

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092319\
 Data File : BM022746.D
 Acq On : 23 Sep 2019 18:24
 Operator : HP/JU
 Sample : K3591-03
 Misc : MDL-S-8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Quant Time: Sep 24 07:08:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 24 07:00:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	169994	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	746896	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	476602	20.00	ng	0.00
64) Phenanthrene-d10	17.20	188	1006289	20.00	ng	0.00
76) Chrysene-d12	21.37	240	1105404	20.00	ng	0.00
87) Perylene-d12	23.65	264	1271286	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1012492	94.46	ng	0.00
7) Phenol-d6	6.99	99	1367784	99.35	ng	0.00
23) Nitrobenzene-d5	8.97	82	1012786	75.27	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	588534	98.92	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2563699	74.07	ng	0.00
79) Terphenyl-d14	19.82	244	4228271	74.07	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	35301	8.185	ng	# 100
3) Pyridine	3.74	79	78013	6.862	ng	96
4) n-Nitrosodimethylamine	3.64	42	32416	7.833	ng	# 95
6) Aniline	7.15	93	134656	8.157	ng	99
8) 2-Chlorophenol	7.39	128	90093	8.250	ng	97
9) Benzaldehyde	6.96	77	76024	9.698	ng	98
10) Phenol	7.01	94	110538	8.529	ng	96
11) bis(2-Chloroethyl)ether	7.25	93	83269	8.177	ng	98
12) 1,3-Dichlorobenzene	7.72	146	99687	7.637	ng	98
13) 1,4-Dichlorobenzene	7.86	146	102559	7.761	ng	98
14) 1,2-Dichlorobenzene	8.17	146	96494	7.660	ng	99
15) Benzyl Alcohol	8.06	79	72354	8.399	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.36	45	126926	8.581	ng	99
17) 2-Methylphenol	8.26	107	68948	8.037	ng	97
18) Hexachloroethane	8.90	117	34233	7.063	ng	95
19) n-Nitroso-di-n-propylamine	8.63	70	65122	8.471	ng	97
20) 3+4-Methylphenols	8.59	107	92547	8.099	ng	99
22) Acetophenone	8.65	105	137713	7.470	ng	# 99
24) Nitrobenzene	9.02	77	105235	8.174	ng	98
25) Isophorone	9.55	82	169058	7.642	ng	98
26) 2-Nitrophenol	9.73	139	32146	5.784	ng	97
27) 2,4-Dimethylphenol	9.79	122	70471	7.574	ng	97
28) bis(2-Chloroethoxy)methane	10.03	93	120023	7.840	ng	100
29) 2,4-Dichlorophenol	10.26	162	75055	7.135	ng	98
30) 1,2,4-Trichlorobenzene	10.48	180	93133	7.196	ng	100
31) Naphthalene	10.66	128	293569	7.955	ng	99
32) Benzoic acid	9.85	122	22724	3.795	ng	99
33) 4-Chloroaniline	10.77	127	125498	7.832	ng	98
34) Hexachlorobutadiene	10.96	225	51710	6.703	ng	96
35) Caprolactam	11.54	113	21206	6.800	ng	99
36) 4-Chloro-3-methylphenol	11.89	107	81528	7.944	ng	99
37) 2-Methylnaphthalene	12.28	142	207298	8.070	ng	100
38) 1-Methylnaphthalene	12.50	142	195060	7.999	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	103390	6.402	ng	99

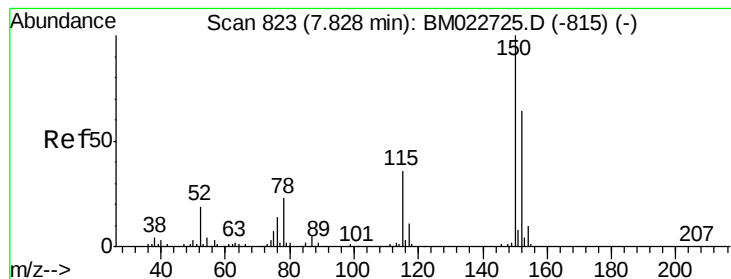
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092319\
 Data File : BM022746.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.63	237	48246	5.476	ng	99
43) 2,4,6-Trichlorophenol	12.89	196	58837	6.312	ng	100
44) 2,4,5-Trichlorophenol	12.96	196	67405	6.940	ng	99
46) 1,1'-Biphenyl	13.29	154	278557	7.062	ng	99
47) 2-Chloronaphthalene	13.33	162	214879	7.309	ng	99
48) 2-Nitroaniline	13.53	65	45655	5.964	ng	93
49) Acenaphthylene	14.18	152	324119	7.445	ng	99
50) Dimethylphthalate	13.91	163	261775	7.600	ng	100
51) 2,6-Dinitrotoluene	14.02	165	48567	6.741	ng	# 88
52) Acenaphthene	14.52	154	213866	7.509	ng	98
53) 3-Nitroaniline	14.35	138	50079	6.038	ng	# 94
54) 2,4-Dinitrophenol	14.56	184	17443	5.128	ng	99
55) Dibenzofuran	14.86	168	337836	8.124	ng	99
56) 4-Nitrophenol	14.65	139	42325	6.639	ng	95
57) 2,4-Dinitrotoluene	14.81	165	58465	6.194	ng	89
58) Fluorene	15.50	166	267376	7.913	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.08	232	58130	6.862	ng	97
60) Diethylphthalate	15.28	149	252660	7.544	ng	98
61) 4-Chlorophenyl-phenylether	15.50	204	132639	7.640	ng	97
62) 4-Nitroaniline	15.51	138	57304	6.590	ng	99
63) Azobenzene	15.79	77	234826	7.764	ng	98
65) 4,6-Dinitro-2-methylphenol	15.57	198	26881	5.704	ng	98
66) n-Nitrosodiphenylamine	15.71	169	227613	7.404	ng	99
67) 4-Bromophenyl-phenylether	16.39	248	75339	6.731	ng	98
68) Hexachlorobenzene	16.51	284	89941	6.891	ng	98
69) Atrazine	16.66	200	67055	6.710	ng	98
70) Pentachlorophenol	16.84	266	42125	6.052	ng	98
71) Phenanthrene	17.24	178	434820	7.658	ng	100
72) Anthracene	17.33	178	408230	7.418	ng	99
73) Carbazole	17.59	167	390993	7.635	ng	99
74) Di-n-butylphthalate	18.16	149	378666	6.522	ng	99
75) Fluoranthene	19.25	202	487824	7.614	ng	99
77) Benzidine	19.43	184	198175	6.535	ng	100
78) Pyrene	19.61	202	514749	7.106	ng	99
80) Butylbenzylphthalate	20.52	149	160305	5.823	ng	94
81) Benzo(a)anthracene	21.36	228	534186	7.456	ng	99
82) 3,3'-Dichlorobenzidine	21.29	252	180003	7.085	ng	# 99
83) Chrysene	21.41	228	529018	7.617	ng	99
84) Bis(2-ethylhexyl)phthalate	21.29	149	253827	6.222	ng	98
85) Di-n-octyl phthalate	22.18	149	399859	6.150	ng	97
86) Indeno(1,2,3-cd)pyrene	25.95	276	677300	8.170	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	571745	7.428	ng	99
89) Benzo(k)fluoranthene	23.00	252	537817	7.042	ng	99
90) Benzo(a)pyrene	23.54	252	529575	7.466	ng	99
91) Dibenzo(a,h)anthracene	25.97	278	575225	7.753	ng	98
92) Benzo(g,h,i)perylene	26.66	276	555029	7.877	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.82 min Scan# 822

Delta R.T. -0.01 min

Lab File: BM022746.D

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BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

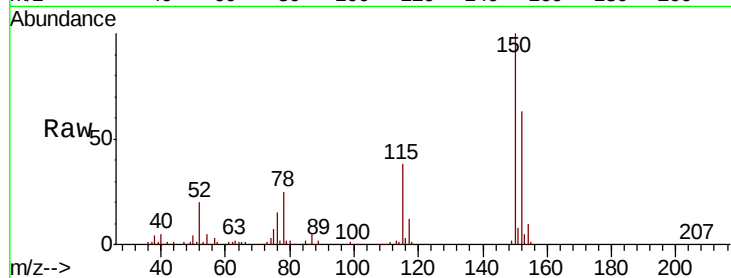
Tot Ion:152 Resp: 169994

Ion Ratio Lower Upper

152 100

150 158.3 124.5 186.7

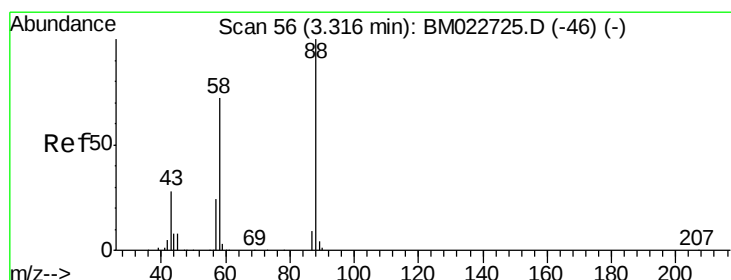
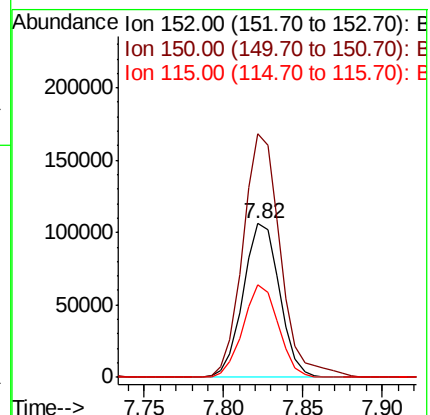
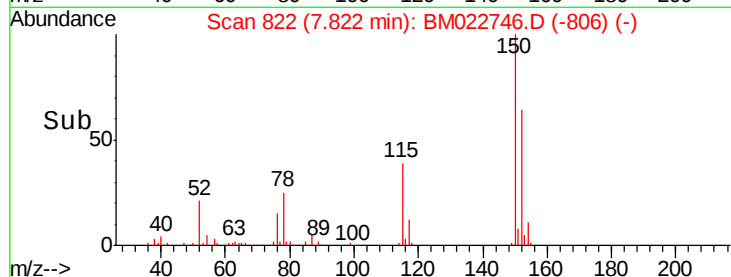
115 60.2 45.0 67.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 8.185 ng

RT: 3.32 min Scan# 56

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

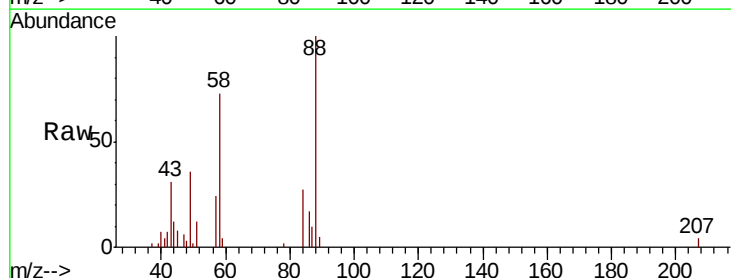
Tgt Ion: 88 Resp: 35301

Ion Ratio Lower Upper

88 100

58 75.6 0.0 0.0#

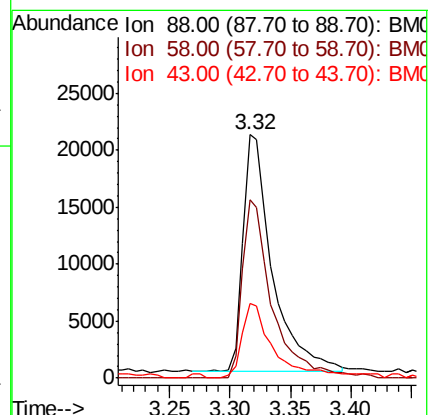
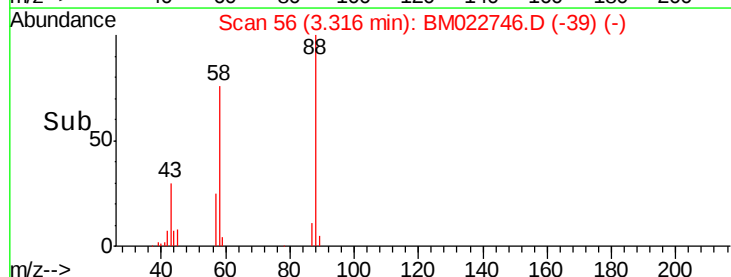
43 33.7 0.0 0.0#

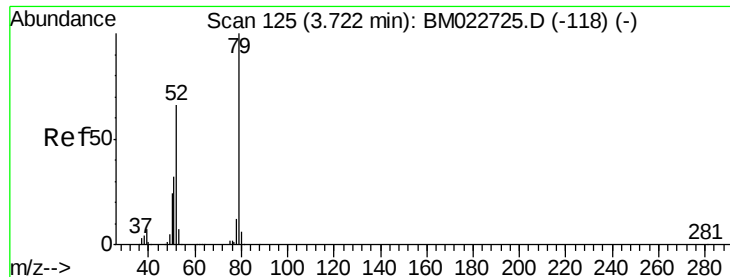


Abundance Ion 88.00 (87.70 to 88.70): BMC

Ion 58.00 (57.70 to 58.70): BMC

Ion 43.00 (42.70 to 43.70): BMC





#3

Pvridine

Concen: 6.862 ng

RT: 3.74 min Scan# 128

Delta R.T. 0.02 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

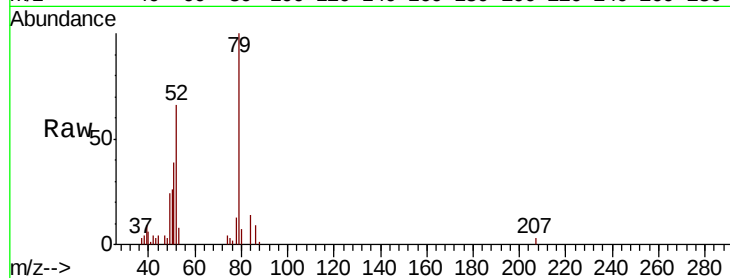
Tot Ion: 79 Resp: 78013

Ion Ratio Lower Upper

79 100

52 65.8 52.4 78.6

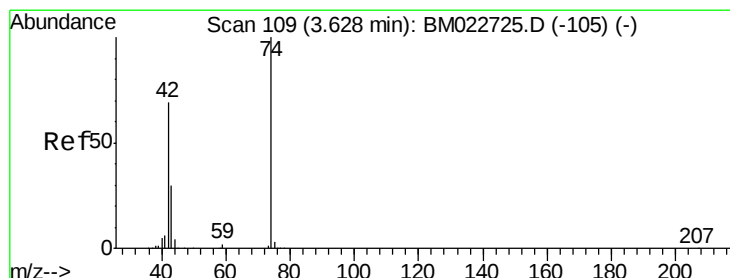
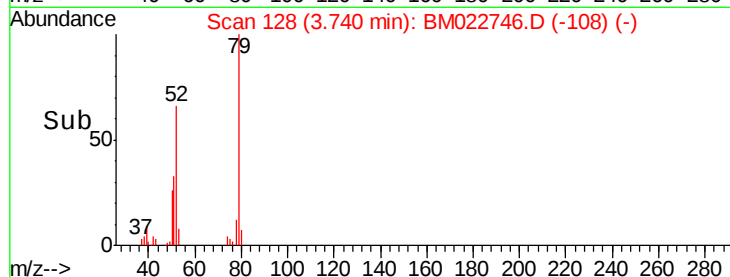
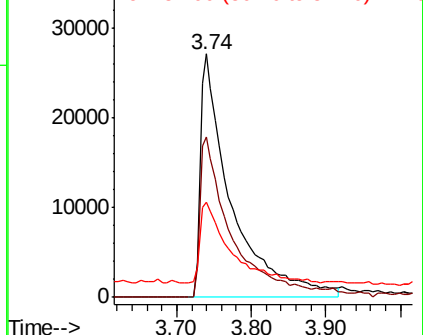
51 39.1 26.2 39.4



Abundance Ion 79.00 (78.70 to 79.70): BM022725.D (-118) (-)

Ion 52.00 (51.70 to 52.70): BM022725.D (-118) (-)

Ion 51.00 (50.70 to 51.70): BM022725.D (-118) (-)



#4

n-Nitrosodimethylamine

Concen: 7.833 ng

RT: 3.64 min Scan# 111

Delta R.T. 0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

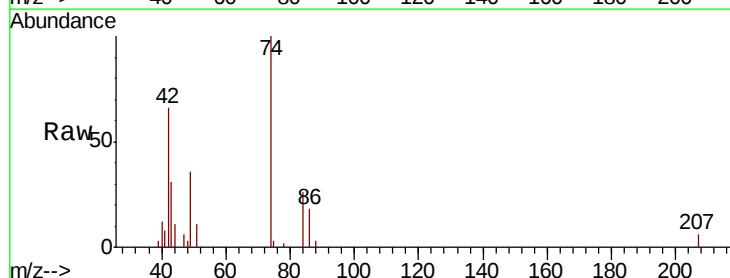
Tgt Ion: 42 Resp: 32416

Ion Ratio Lower Upper

42 100

74 150.7 116.6 175.0

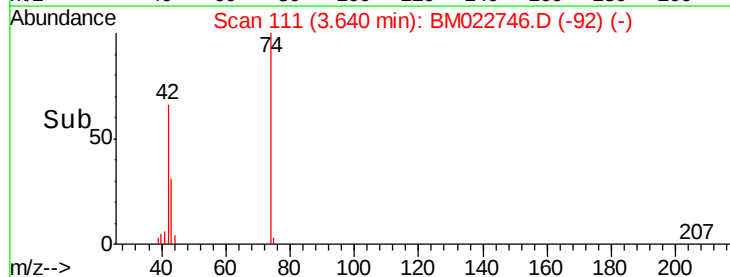
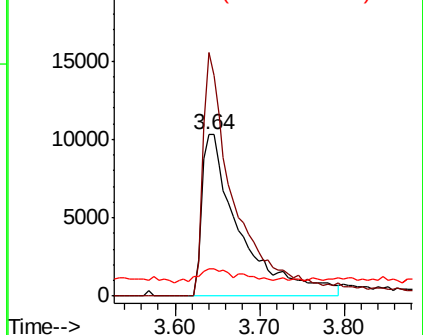
44 17.0 8.2 12.4#

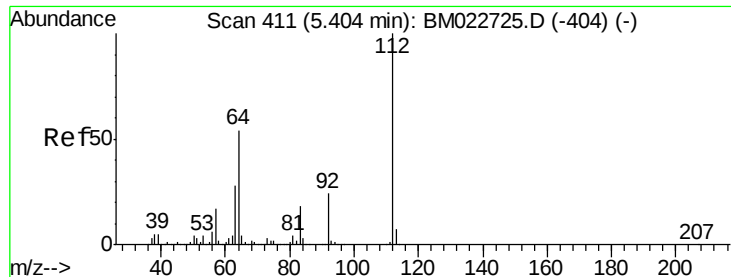


Abundance Ion 42.00 (41.70 to 42.70): BM022725.D (-105) (-)

Ion 74.00 (73.70 to 74.70): BM022725.D (-105) (-)

Ion 44.00 (43.70 to 44.70): BM022725.D (-105) (-)





#5

2-Fluorophenol

Concen: 94.461 ng

RT: 5.40 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

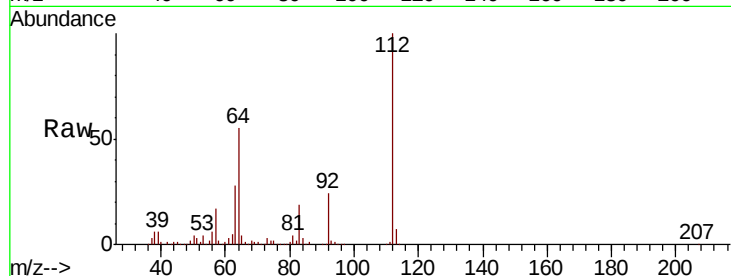
Tot Ion:112 Resp: 1012492

Ion Ratio Lower Upper

112 100

64 55.0 43.4 65.2

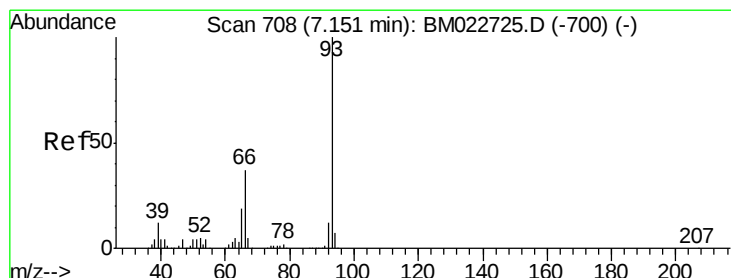
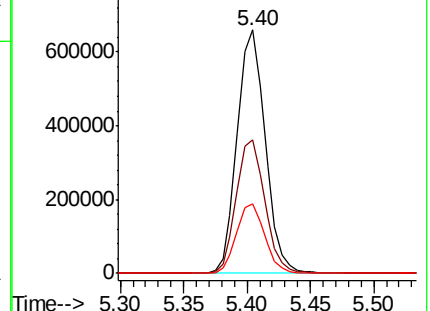
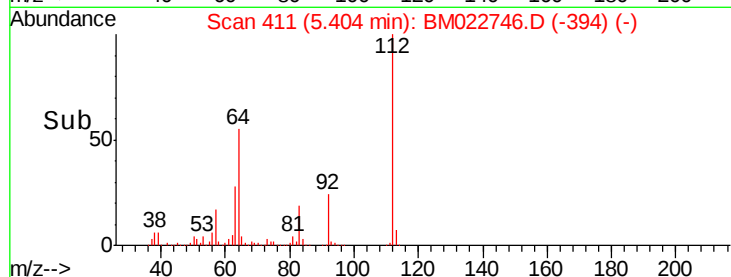
63 28.4 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 8.157 ng

RT: 7.15 min Scan# 708

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

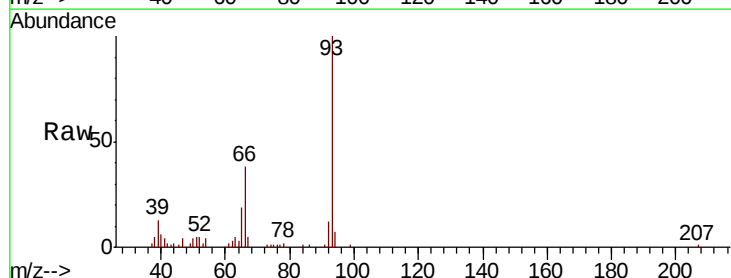
Tgt Ion: 93 Resp: 134656

Ion Ratio Lower Upper

93 100

66 37.5 29.3 43.9

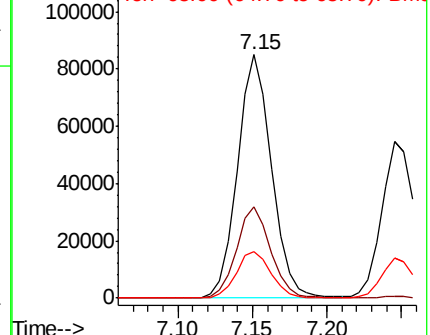
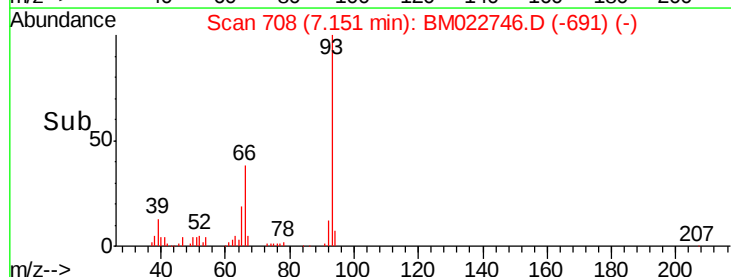
65 19.2 15.3 22.9

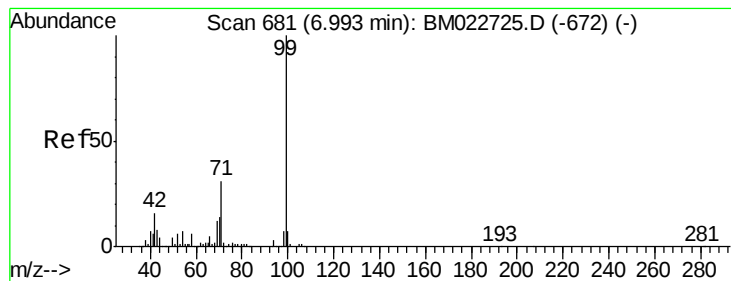


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 99.353 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

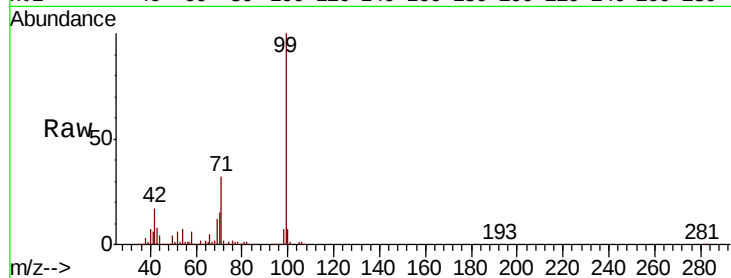
BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion: 99 Resp: 1367784

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.0	19.4
71	31.6	24.7	37.1

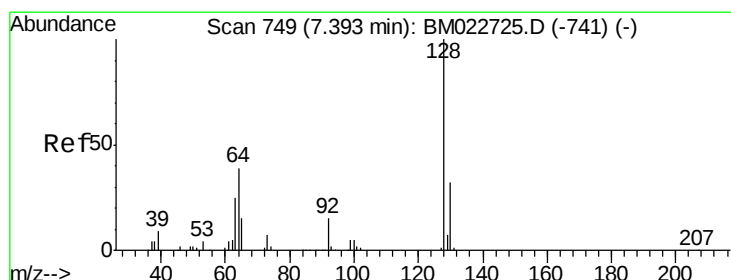
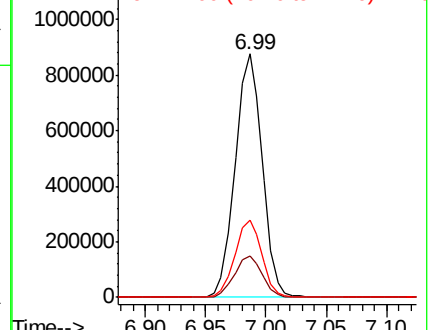
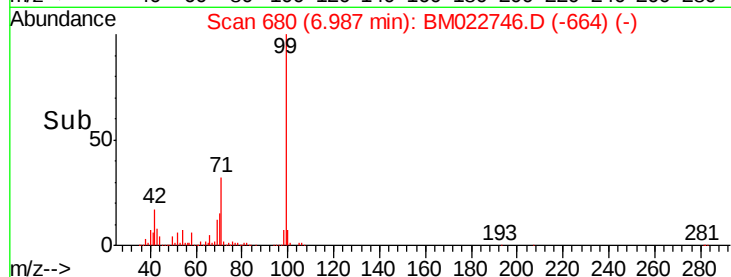


Abundance

Ion 99.00 (98.70 to 99.70): BM022725.D (-672) (-)

Ion 42.00 (41.70 to 42.70): BM022725.D (-672) (-)

Ion 71.00 (70.70 to 71.70): BM022725.D (-672) (-)



#8

2-Chlorophenol

Concen: 8.250 ng

RT: 7.39 min Scan# 748

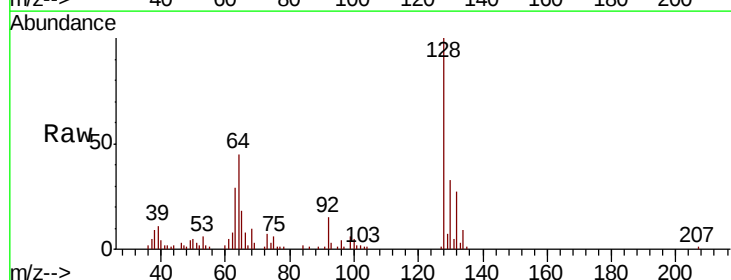
Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Tgt Ion: 128 Resp: 90093

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.1	52.1
64	45.1	22.9	62.9

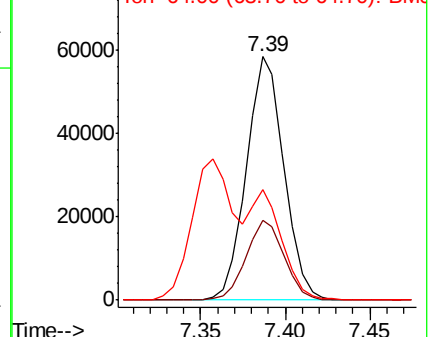
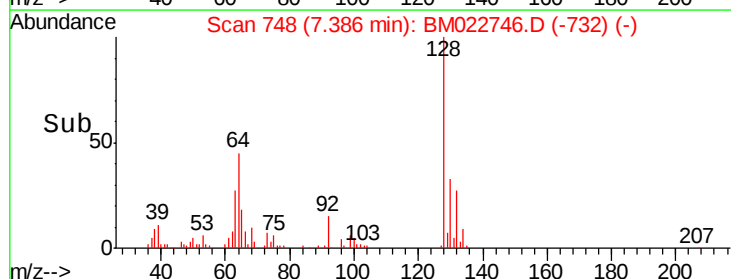


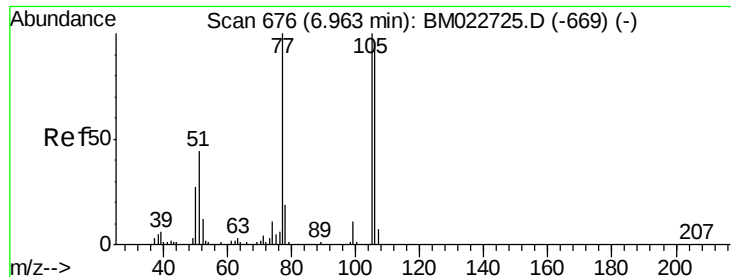
Abundance

Ion 128.00 (127.70 to 128.70): BM022725.D (-741) (-)

Ion 130.00 (129.70 to 130.70): BM022725.D (-741) (-)

Ion 64.00 (63.70 to 64.70): BM022725.D (-741) (-)





#9

Benzaldehyde

Concen: 9.698 ng

RT: 6.96 min Scan# 676

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

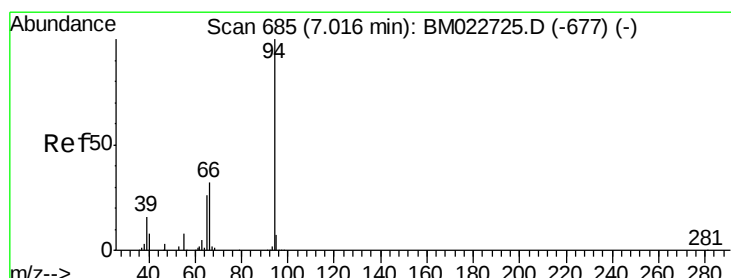
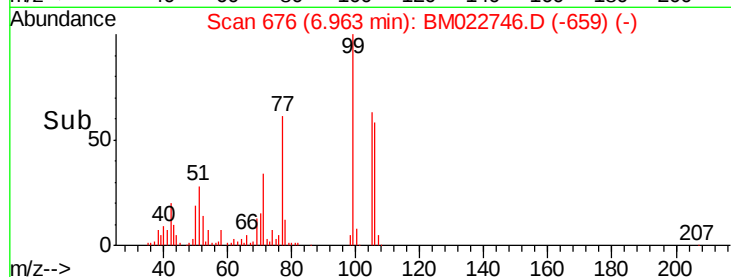
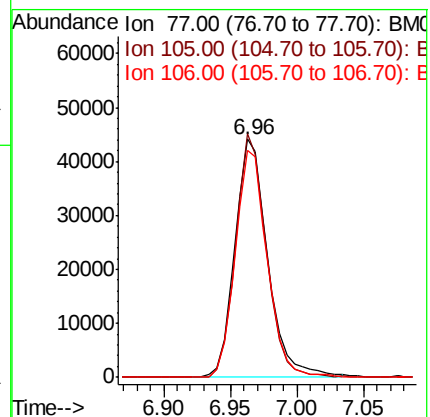
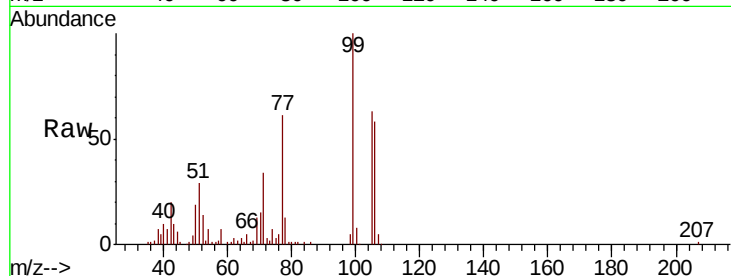
Tot Ion: 77 Resp: 76024

Ion Ratio Lower Upper

77 100

105 102.2 79.6 119.6

106 95.3 76.3 116.3



#10

Phenol

Concen: 8.529 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

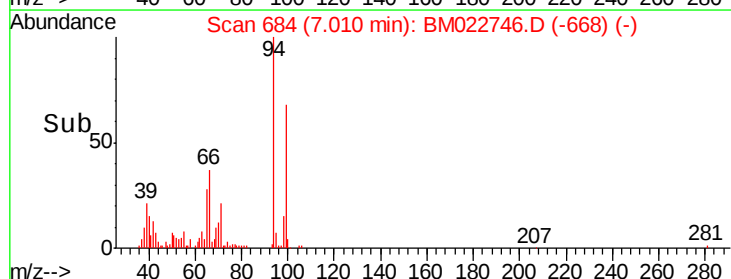
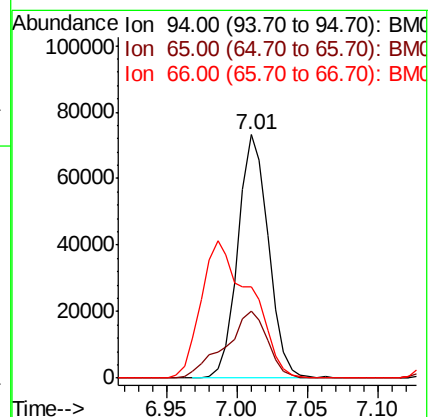
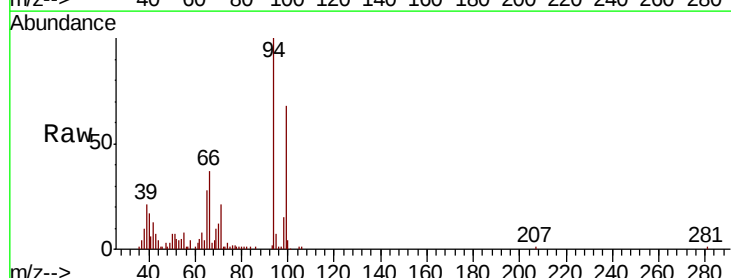
Tgt Ion: 94 Resp: 110538

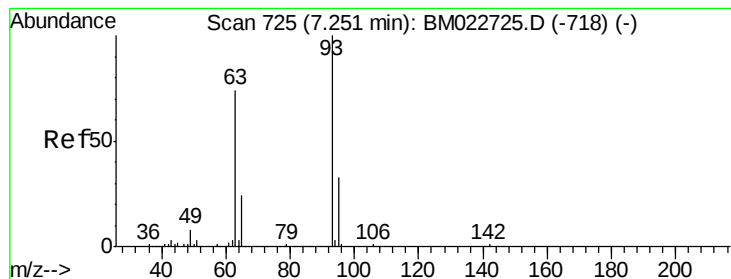
Ion Ratio Lower Upper

94 100

65 27.7 6.7 46.7

66 37.4 13.8 53.8





#11

bis(2-Chloroethyl)ether

Concen: 8.177 ng

RT: 7.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

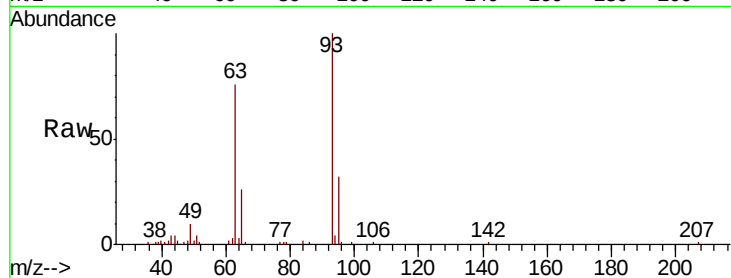
Tot Ion: 93 Resp: 83269

Ion Ratio Lower Upper

93 100

63 76.3 53.8 93.8

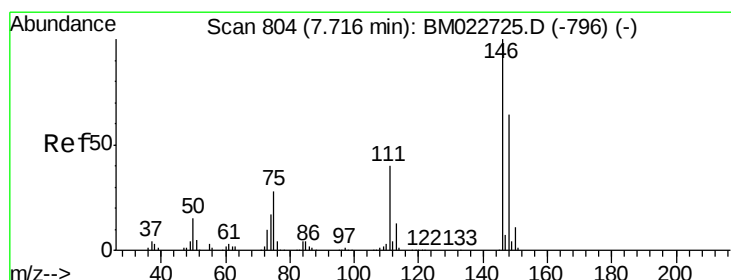
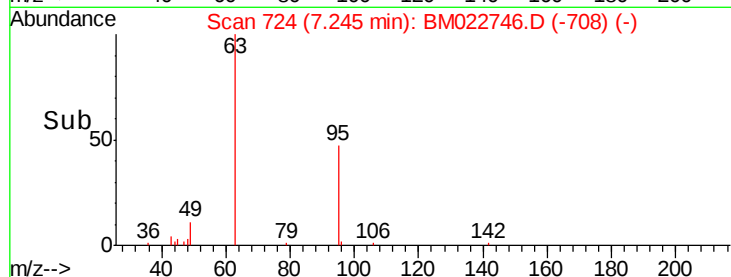
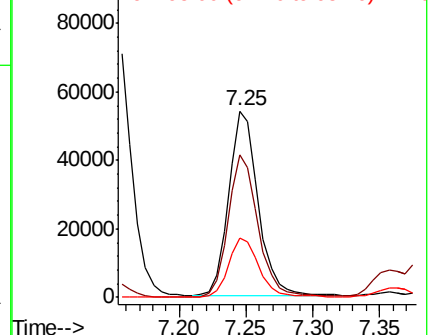
95 32.0 12.7 52.7



Abundance Ion 93.00 (92.70 to 93.70): BM022725.D (-718) (-)

Ion 63.00 (62.70 to 63.70): BM022725.D (-718) (-)

Ion 95.00 (94.70 to 95.70): BM022725.D (-718) (-)



#12

1,3-Dichlorobenzene

Concen: 7.637 ng

RT: 7.72 min Scan# 804

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

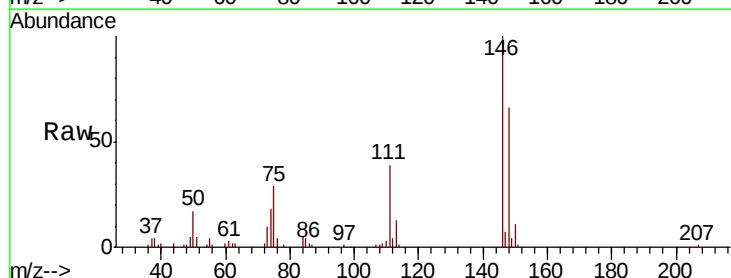
Tgt Ion: 146 Resp: 99687

Ion Ratio Lower Upper

146 100

148 66.0 51.3 76.9

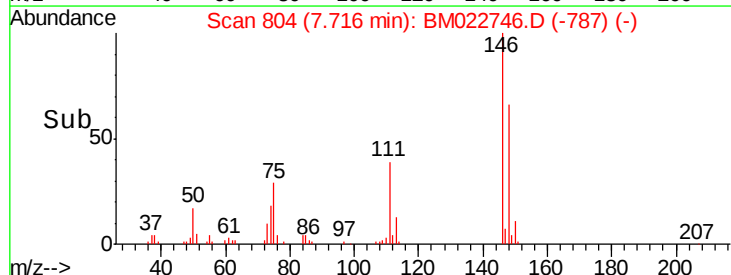
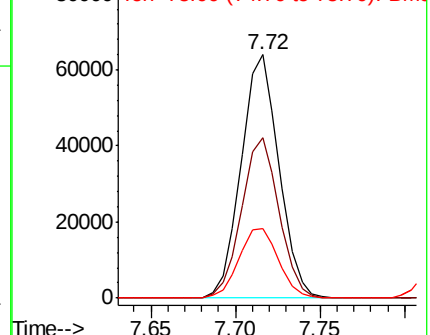
75 28.6 22.5 33.7

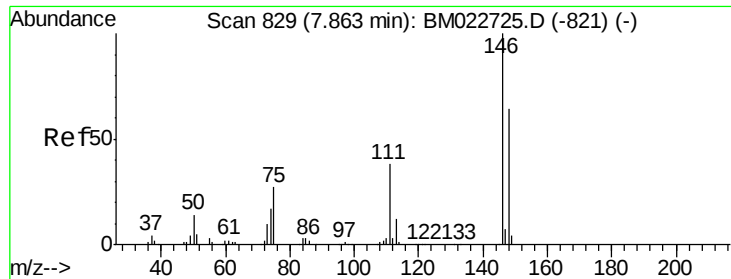


Abundance Ion 146.00 (145.70 to 146.70): BM022725.D (-796) (-)

Ion 148.00 (147.70 to 148.70): BM022725.D (-796) (-)

Ion 75.00 (74.70 to 75.70): BM022725.D (-796) (-)

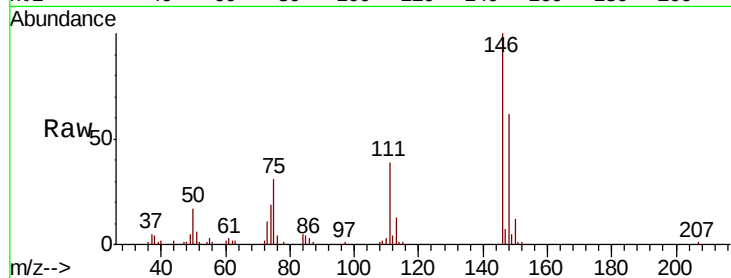




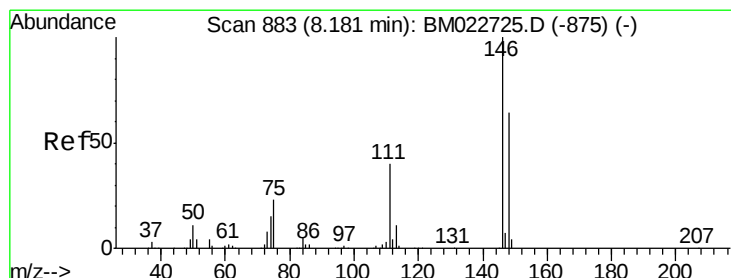
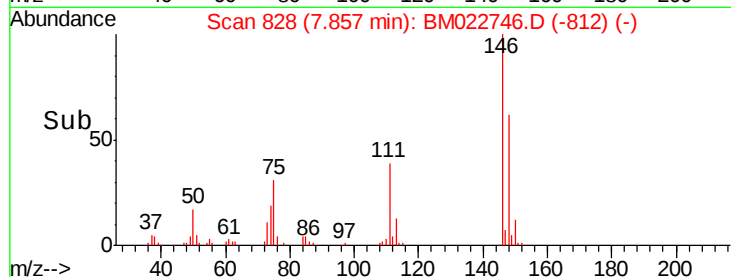
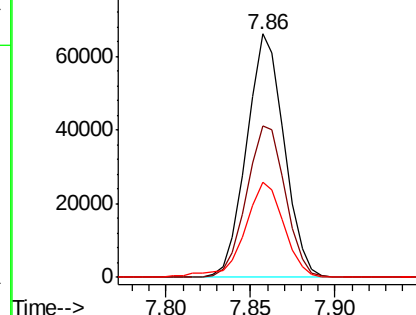
#13
 1,4-Dichlorobenzene
 Concen: 7.761 ng
 RT: 7.86 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion:146 Resp: 102559
 Ion Ratio Lower Upper
 146 100
 148 62.4 51.4 77.0
 111 39.2 30.9 46.3

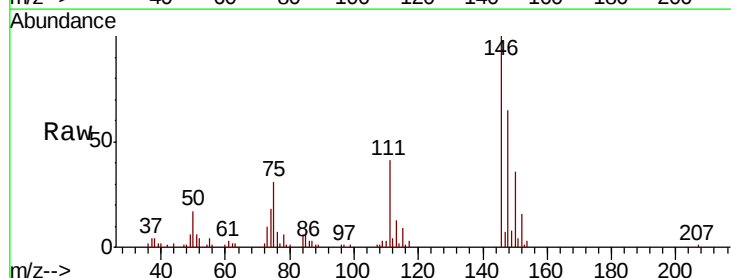


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

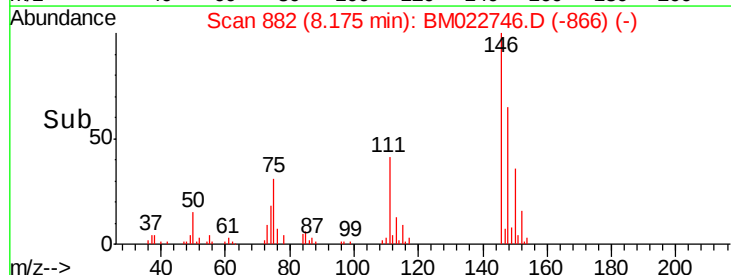
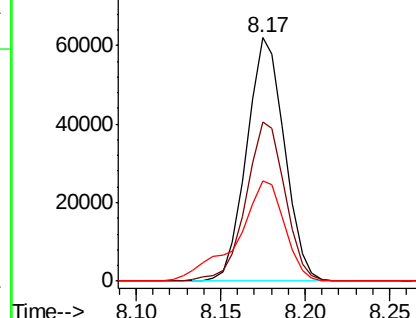


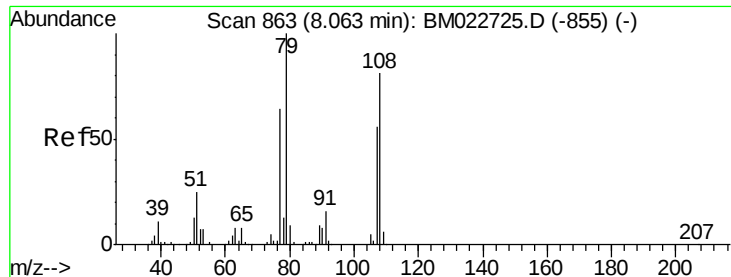
#14
 1,2-Dichlorobenzene
 Concen: 7.660 ng
 RT: 8.17 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

Tgt Ion:146 Resp: 96494
 Ion Ratio Lower Upper
 146 100
 148 65.2 51.3 76.9
 111 40.9 32.3 48.5



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 8.399 ng

RT: 8.06 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

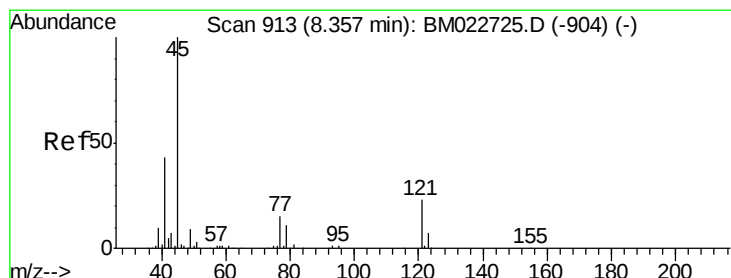
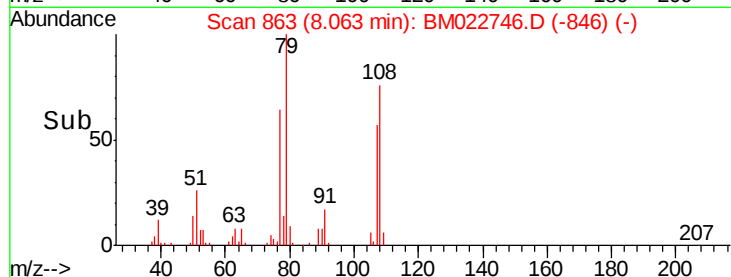
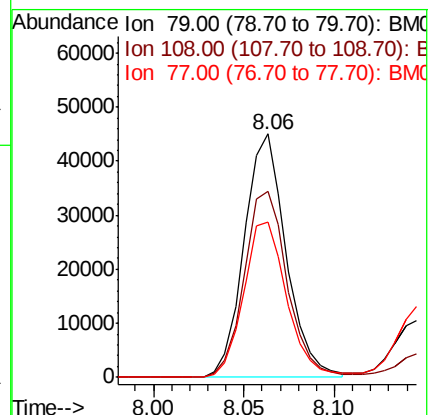
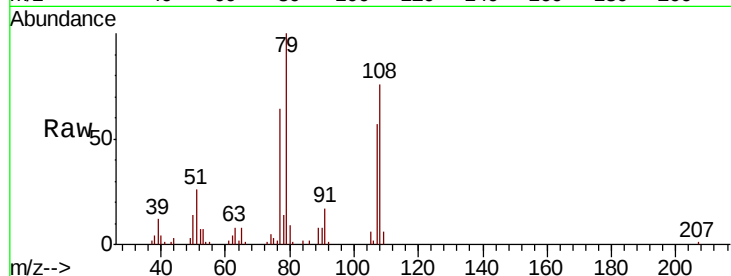
Tot Ion: 79 Resp: 72354

Ion Ratio Lower Upper

79 100

108 76.2 64.9 97.3

77 63.6 51.1 76.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.581 ng

RT: 8.36 min Scan# 913

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

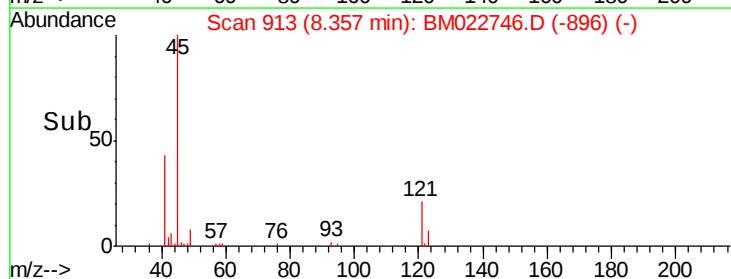
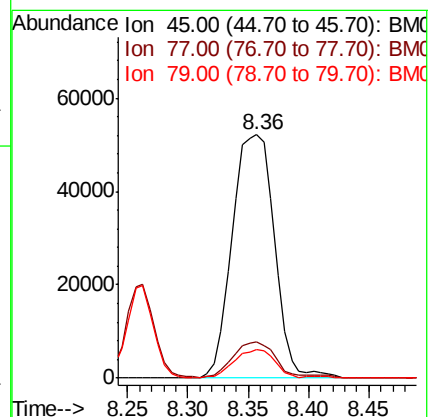
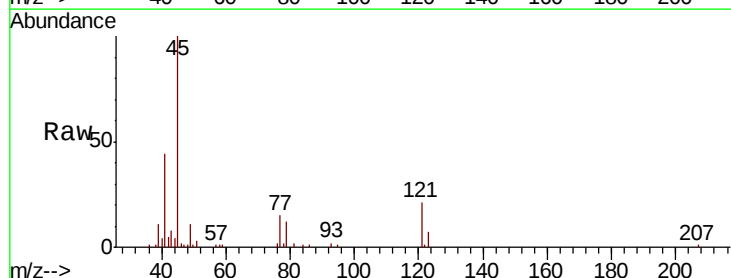
Tgt Ion: 45 Resp: 126926

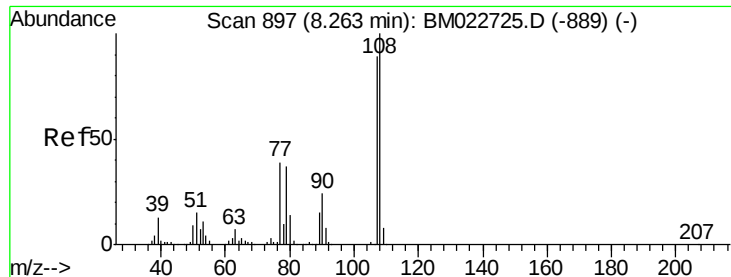
Ion Ratio Lower Upper

45 100

77 14.9 0.0 35.1

79 11.8 0.0 31.4

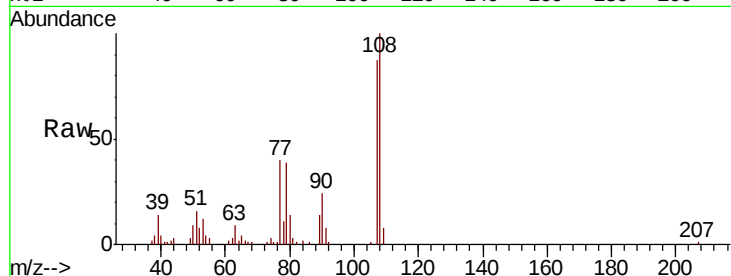




#17
2-Methylphenol
Concen: 8.037 ng
RT: 8.26 min Scan# 897
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	107	Resp:	68948
Ion	Ratio	Lower	Upper
107	100		
108	114.5	90.0	135.0
77	45.3	35.2	52.8
79	44.9	33.4	50.2



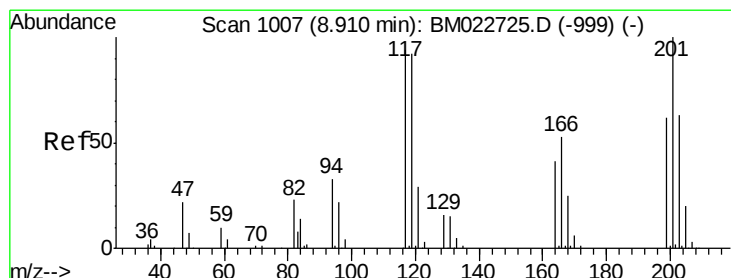
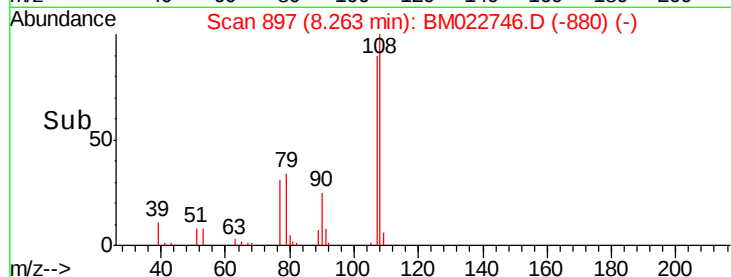
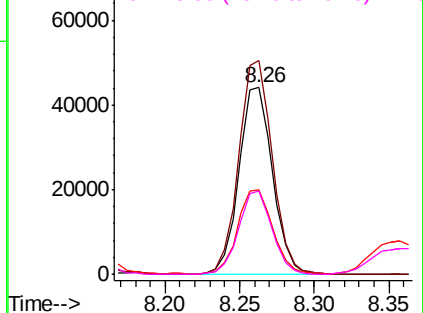
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

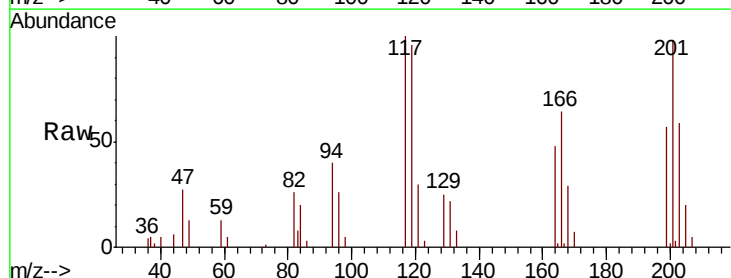
Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18
Hexachloroethane
Concen: 7.063 ng
RT: 8.90 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:	117	Resp:	34233
Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.0	117.0
201	97.7	85.0	127.6

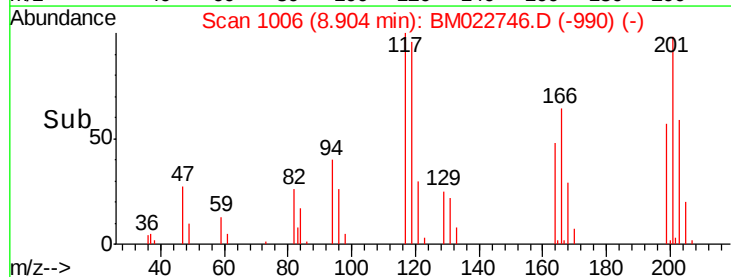
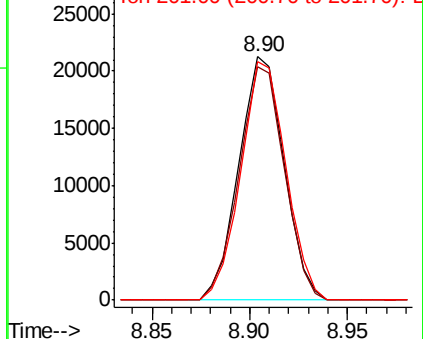


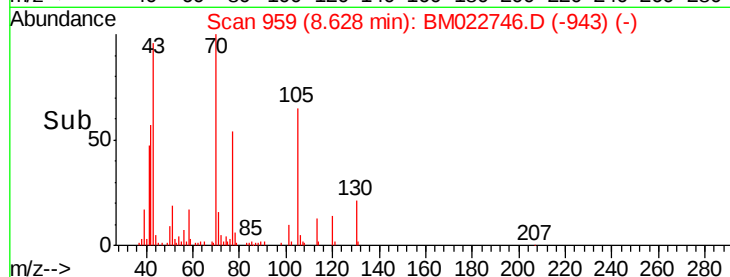
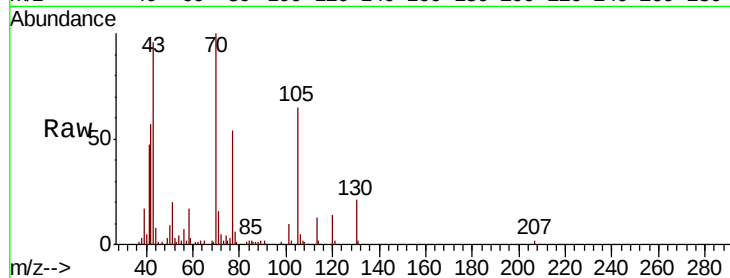
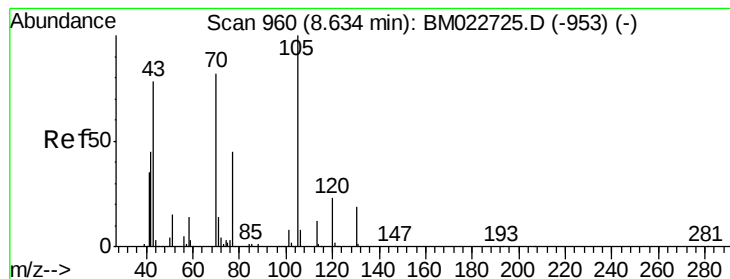
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 8.471 ng

RT: 8.63 min Scan# 959

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion: 70 Resp: 65122

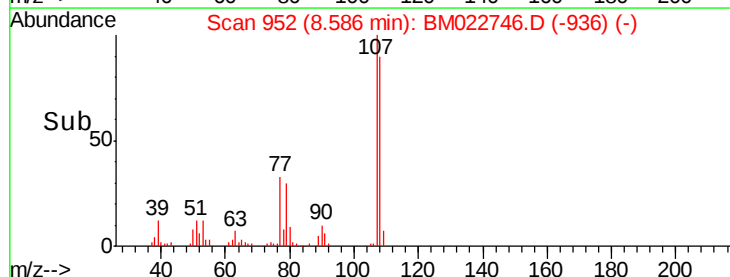
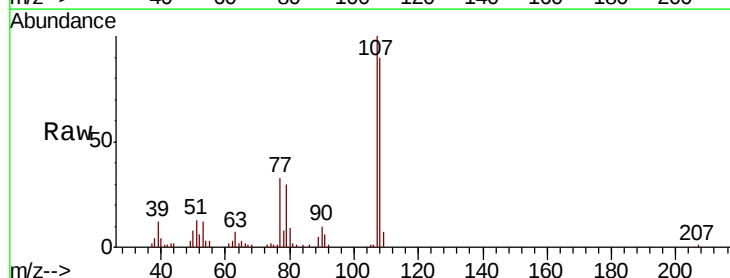
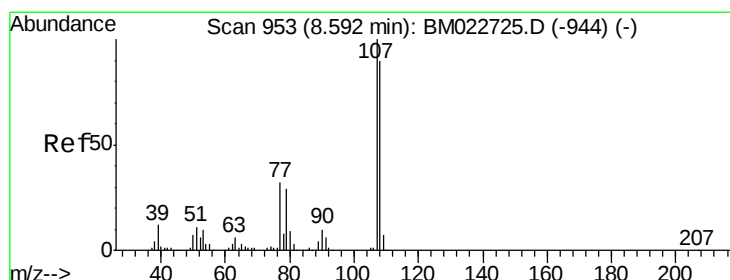
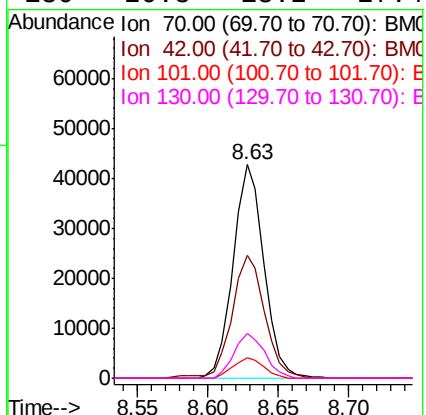
Ion Ratio Lower Upper

70 100

42 57.3 44.4 66.6

101 9.9 7.8 11.6

130 20.8 18.2 27.4



#20

3+4-Methylphenols

Concen: 8.099 ng

RT: 8.59 min Scan# 952

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Tgt Ion: 107 Resp: 92547

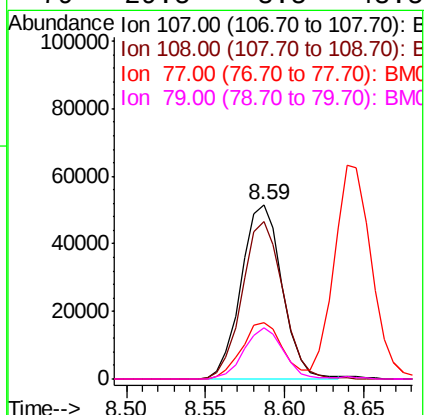
Ion Ratio Lower Upper

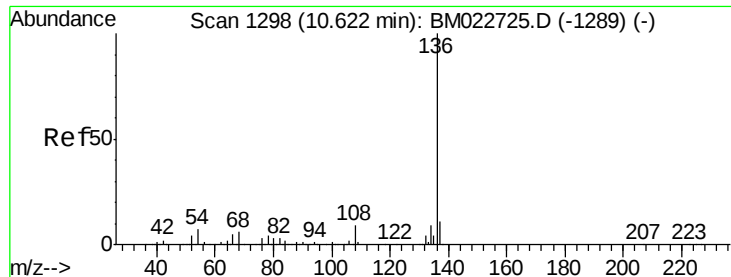
107 100

108 89.9 70.1 110.1

77 32.6 12.1 52.1

79 29.5 8.5 48.5

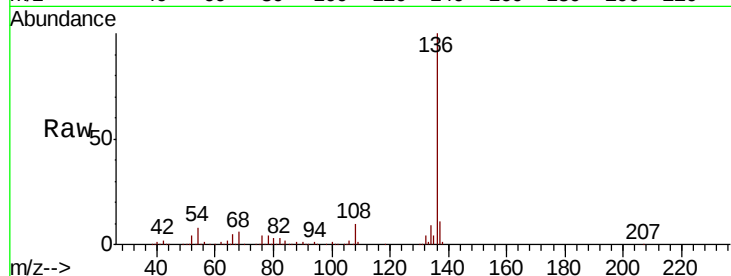




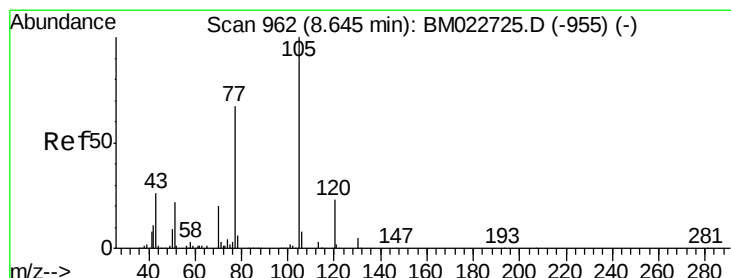
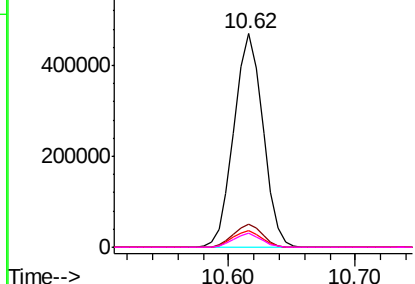
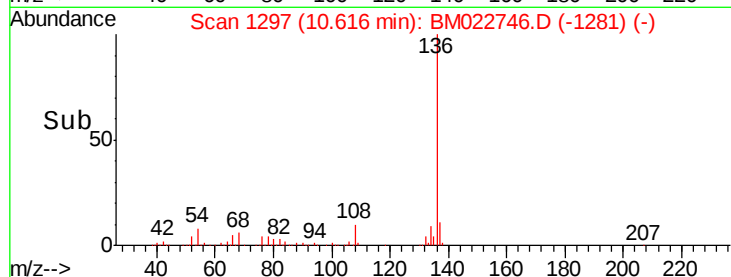
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	136	Resp:	746896
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.5	6.0	9.0
68	6.4	4.9	7.3

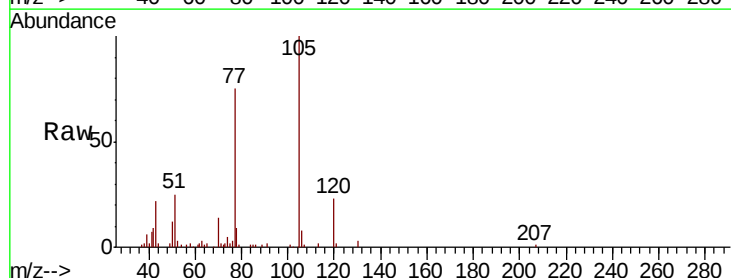


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

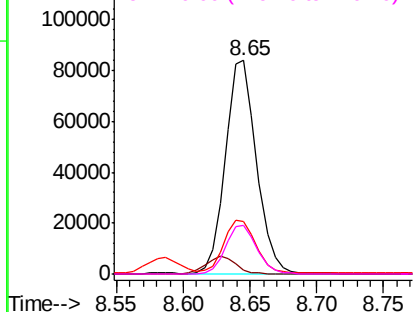
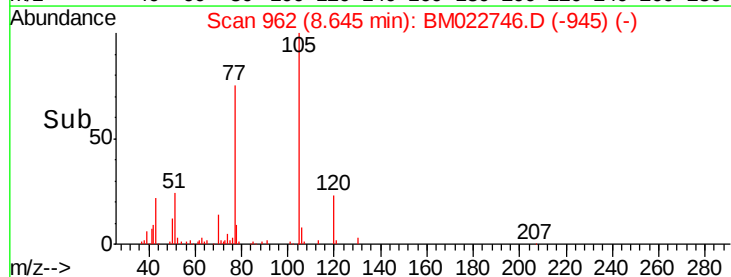


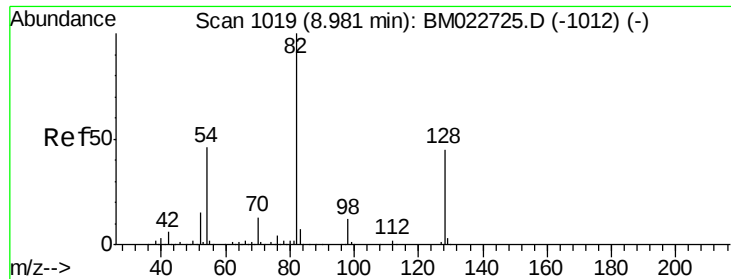
#22
Acetophenone
Concen: 7.470 ng
RT: 8.65 min Scan# 962
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:	105	Resp:	137713
Ion	Ratio	Lower	Upper
105	100		
71	2.0	2.7	4.1#
51	24.5	19.9	29.9
120	22.6	18.3	27.5



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM0
Ion 51.00 (50.70 to 51.70): BM0
Ion 120.00 (119.70 to 120.70): E

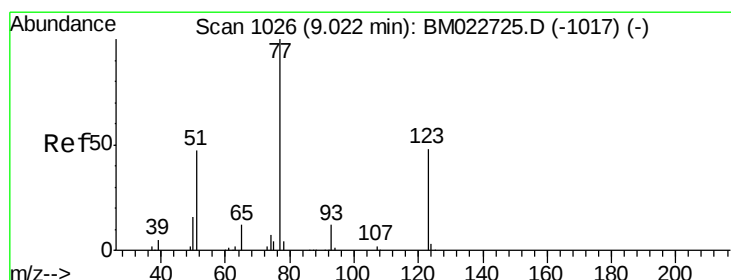
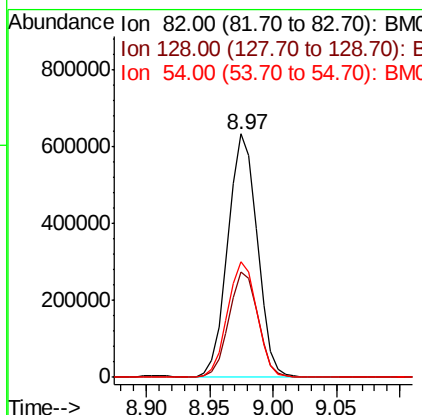
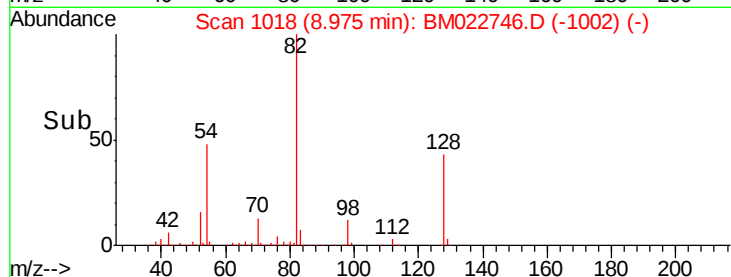
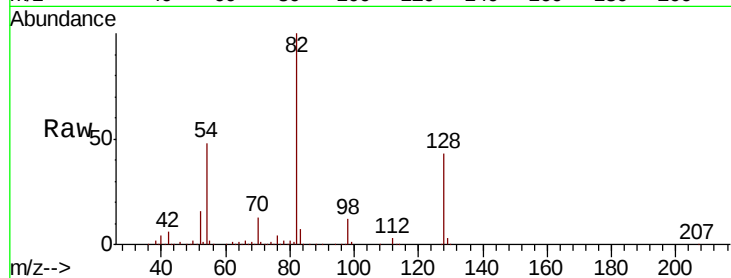




#23
Nitrobenzene-d5
Concen: 75.271 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

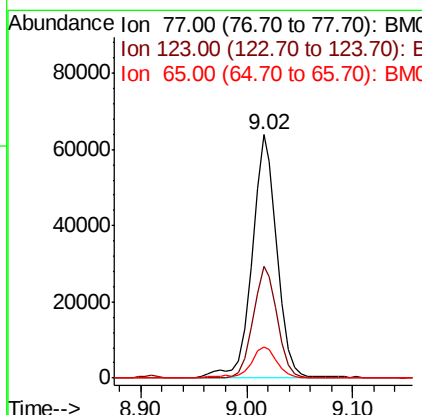
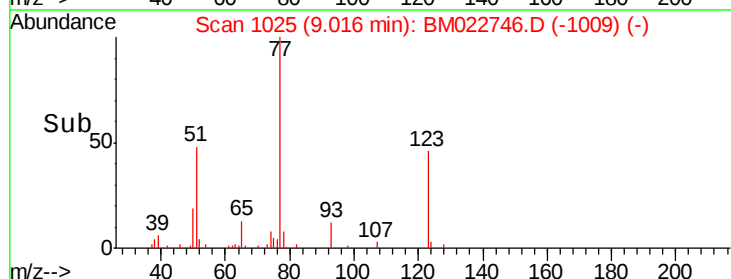
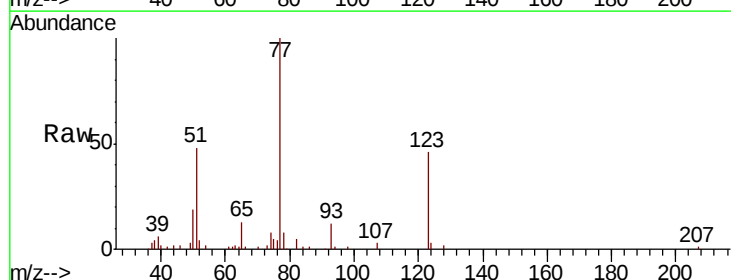
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

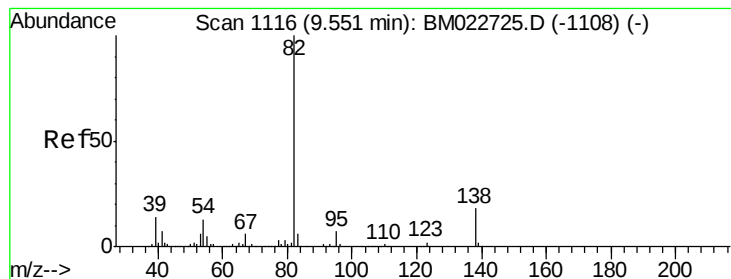
Tot Ion: 82 Resp: 1012786
Ion Ratio Lower Upper
82 100
128 43.2 36.0 54.0
54 47.5 37.1 55.7



#24
Nitrobenzene
Concen: 8.174 ng
RT: 9.02 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion: 77 Resp: 105235
Ion Ratio Lower Upper
77 100
123 45.8 38.0 57.0
65 13.0 10.0 15.0





#25

Isophorone

Concen: 7.642 ng

RT: 9.55 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

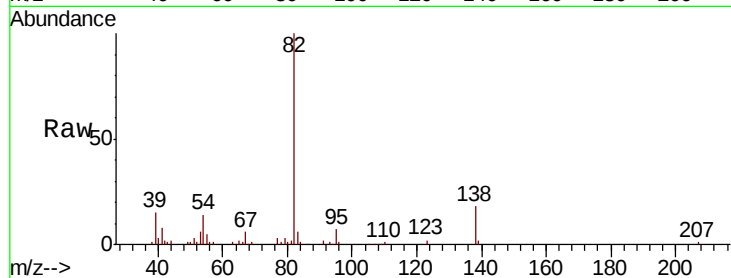
Tot Ion: 82 Resp: 169058

Ion Ratio Lower Upper

82 100

95 7.3 5.4 8.0

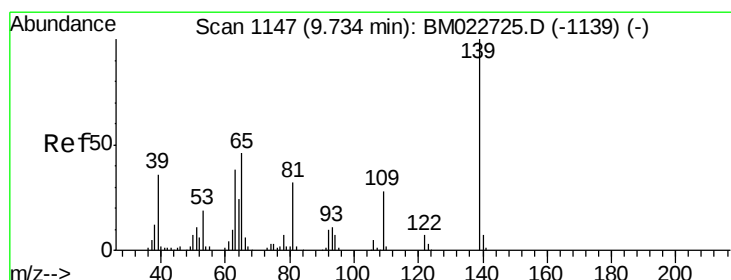
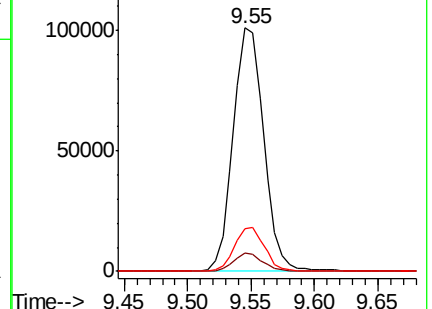
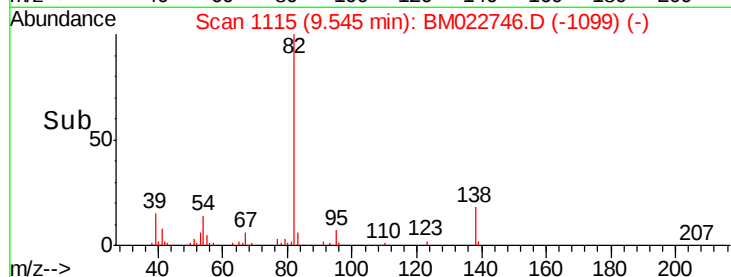
138 17.7 14.7 22.1



Abundance Ion 82.00 (81.70 to 82.70): BM022725.D (-1108) (-)

Ion 95.00 (94.70 to 95.70): BM022725.D (-1108) (-)

Ion 138.00 (137.70 to 138.70): BM022725.D (-1108) (-)



#26

2-Nitrophenol

Concen: 5.784 ng

RT: 9.73 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

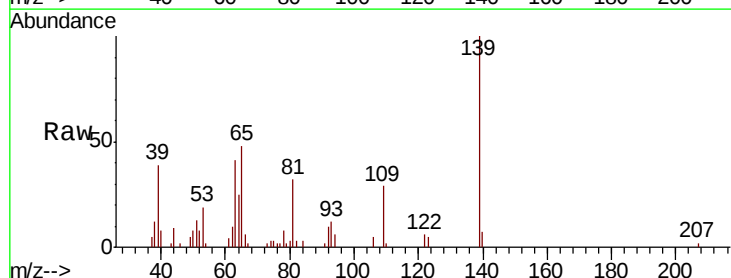
Tgt Ion: 139 Resp: 32146

Ion Ratio Lower Upper

139 100

109 29.0 22.6 33.8

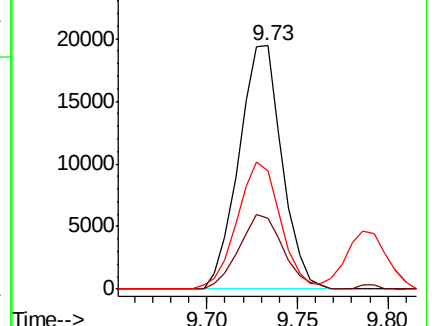
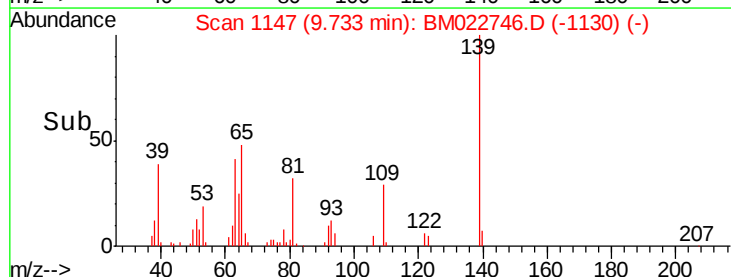
65 48.5 37.0 55.4

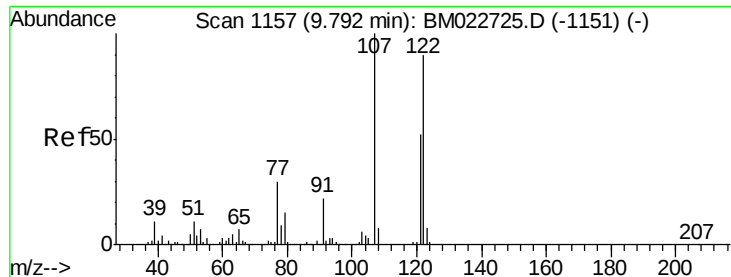


Abundance Ion 139.00 (138.70 to 139.70): BM022725.D (-1139) (-)

Ion 109.00 (108.70 to 109.70): BM022725.D (-1139) (-)

Ion 65.00 (64.70 to 65.70): BM022725.D (-1139) (-)





#27

2,4-Dimethylphenol

Concen: 7.574 ng

RT: 9.79 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

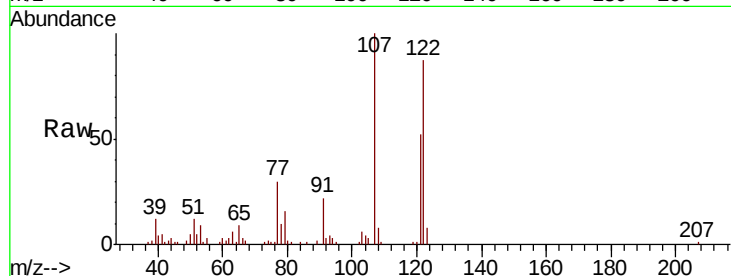
Tot Ion:122 Resp: 70471

Ion Ratio Lower Upper

122 100

107 114.4 88.9 133.3

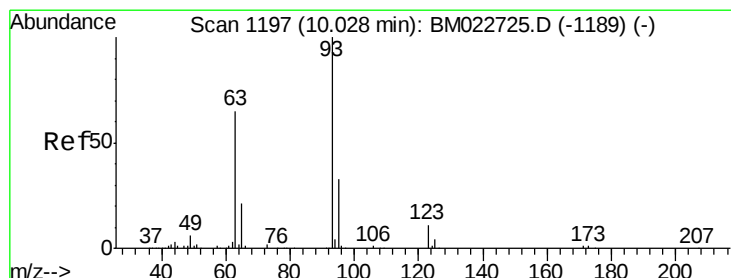
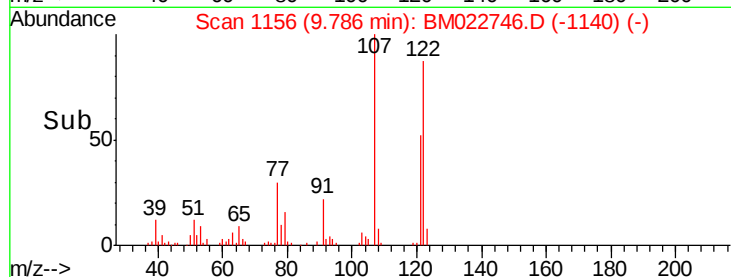
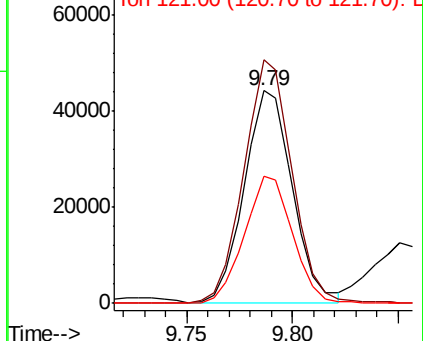
121 59.9 46.5 69.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.840 ng

RT: 10.03 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

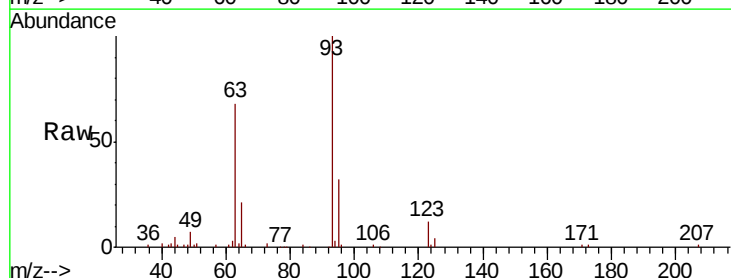
Tgt Ion: 93 Resp: 120023

Ion Ratio Lower Upper

93 100

95 32.4 26.0 39.0

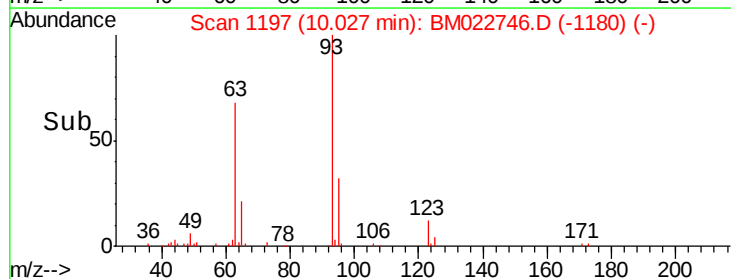
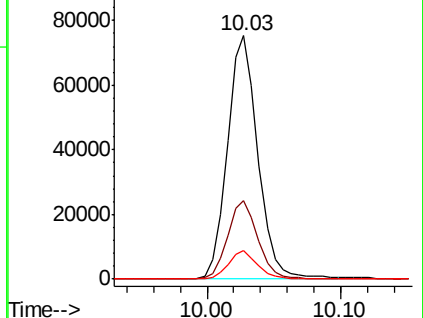
123 11.5 9.0 13.6

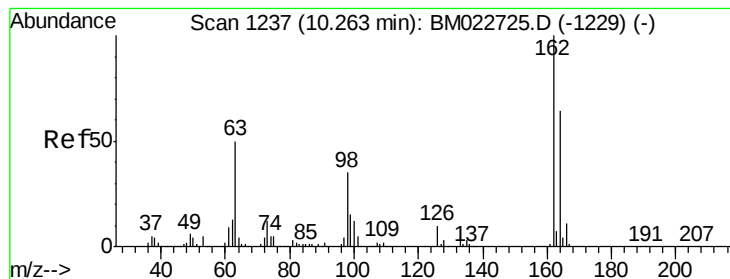


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 7.135 ng

RT: 10.26 min Scan# 1237

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

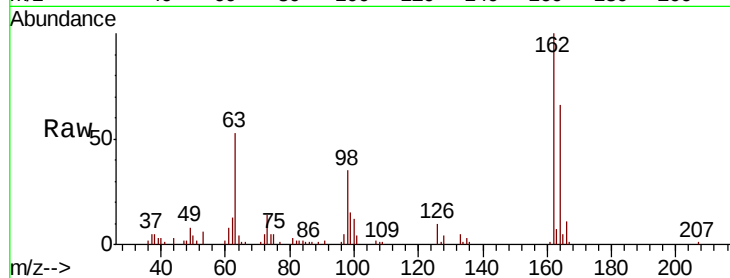
Tot Ion:162 Resp: 75055

Ion Ratio Lower Upper

162 100

164 66.4 44.4 84.4

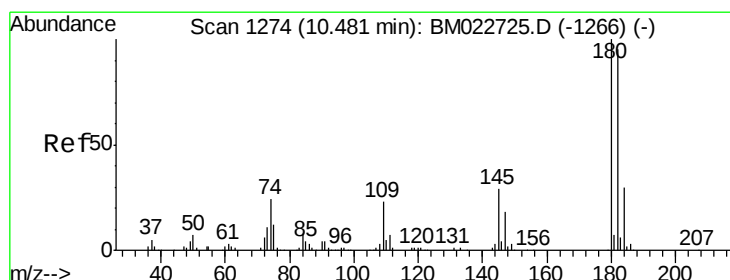
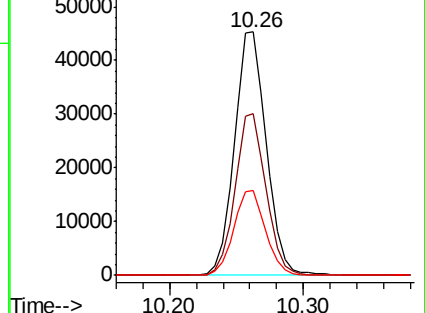
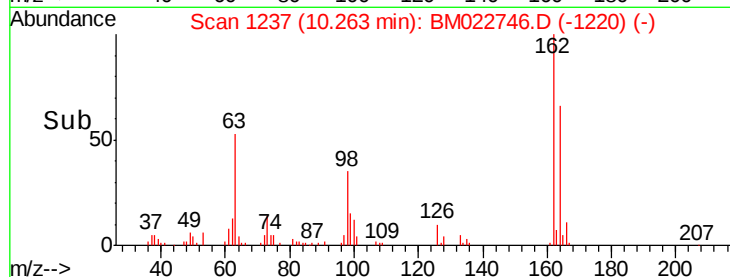
98 34.8 14.8 54.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 7.196 ng

RT: 10.48 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

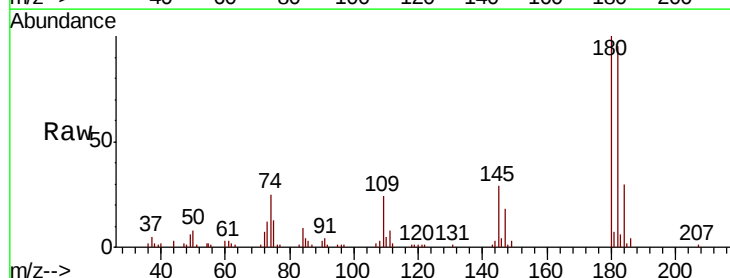
Tgt Ion:180 Resp: 93133

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

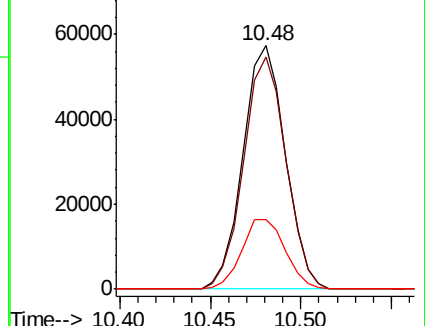
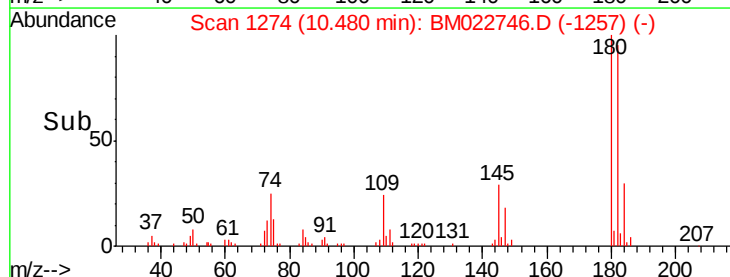
145 28.6 23.0 34.4

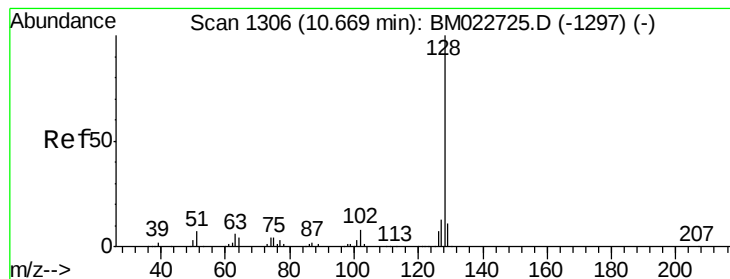


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 7.955 ng

RT: 10.66 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

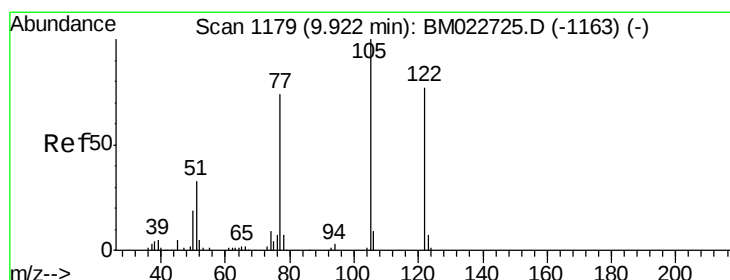
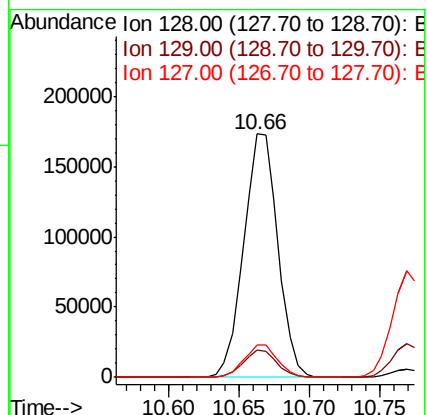
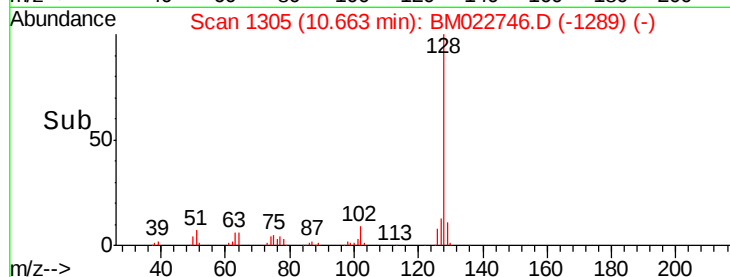
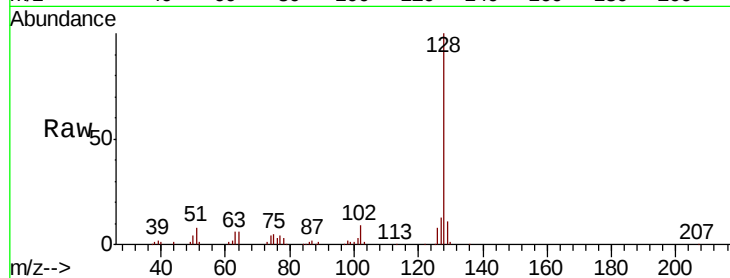
Tot Ion:128 Resp: 293569

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.1 10.2 15.4



#32

Benzoic acid

Concen: 3.795 ng

RT: 9.85 min Scan# 1167

Delta R.T. -0.07 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

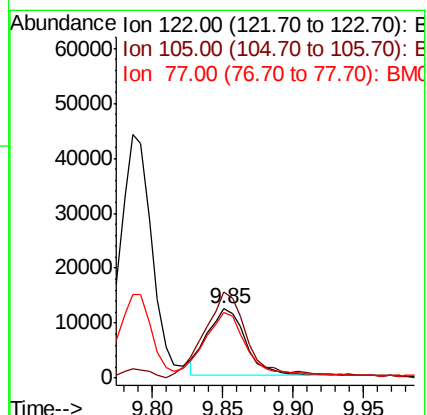
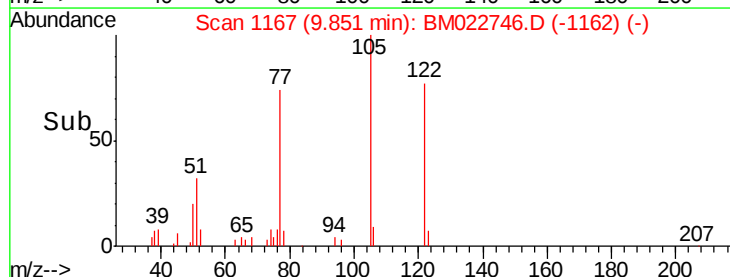
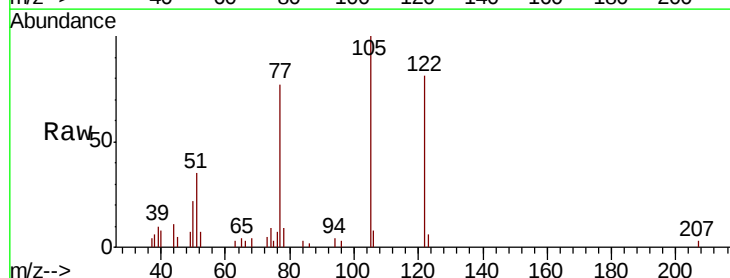
Tgt Ion:122 Resp: 22724

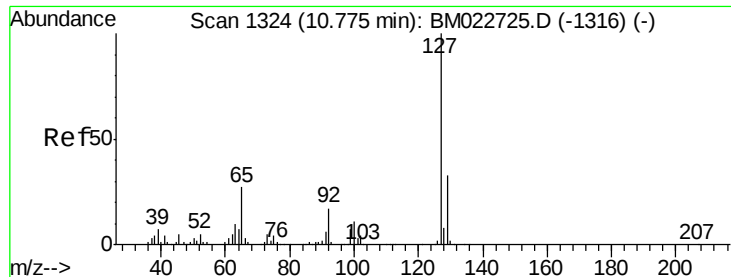
Ion Ratio Lower Upper

122 100

105 123.7 105.3 145.3

77 94.7 74.7 114.7

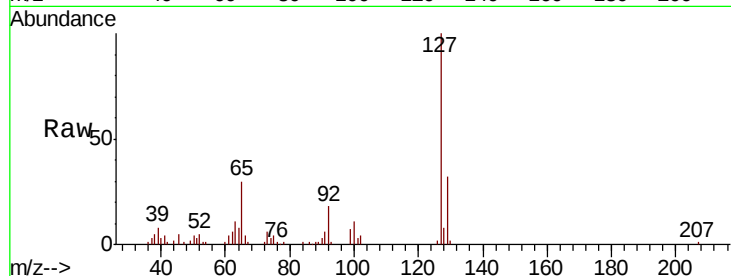




#33
4-Chloroaniline
Concen: 7.832 ng
RT: 10.77 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	127	Resp:	125498
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	29.8	22.0	33.0
92	17.7	13.8	20.8



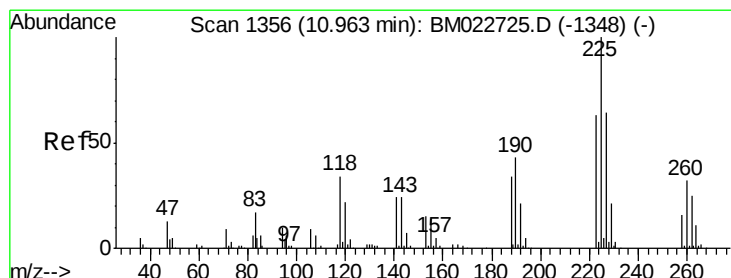
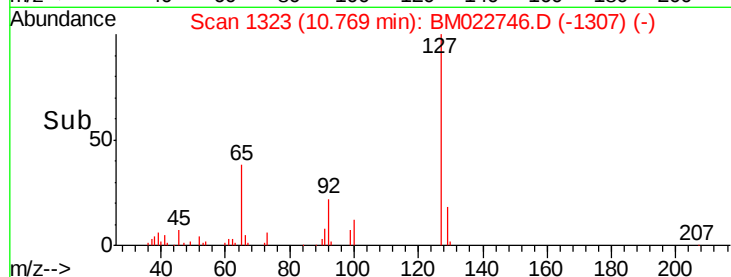
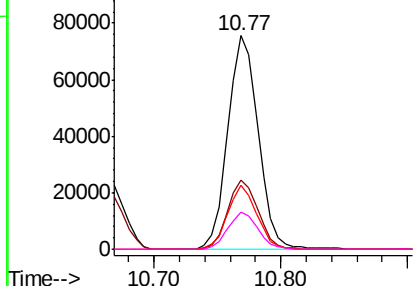
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

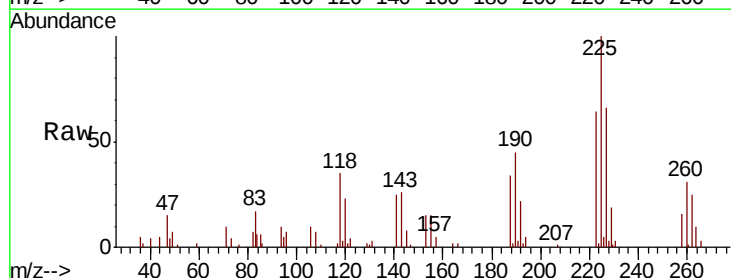
Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34
Hexachlorobutadiene
Concen: 6.703 ng
RT: 10.96 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:	225	Resp:	51710
Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.2	75.4
227	69.2	51.0	76.4

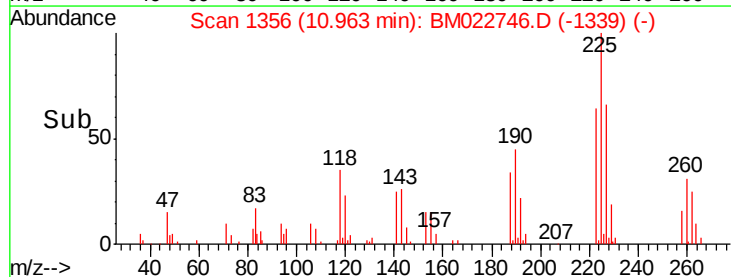
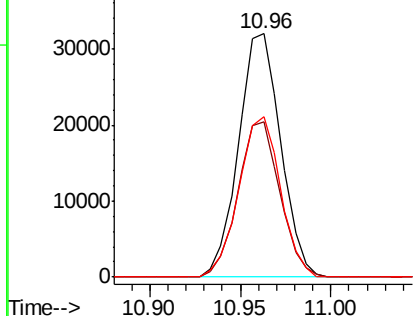


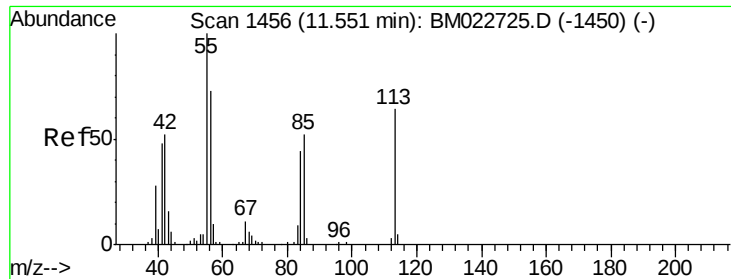
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

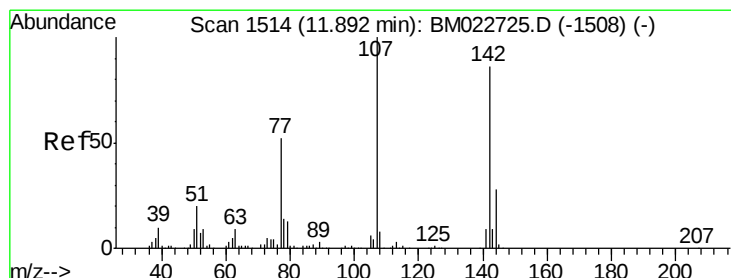
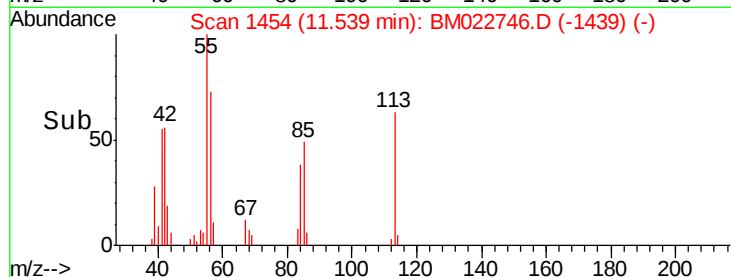
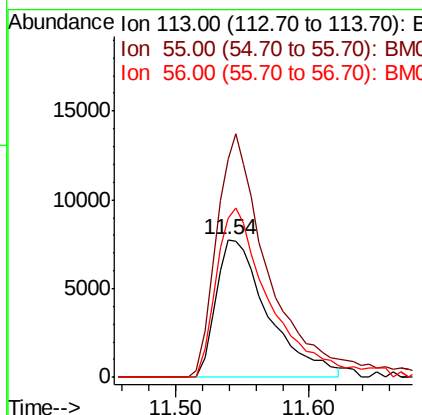
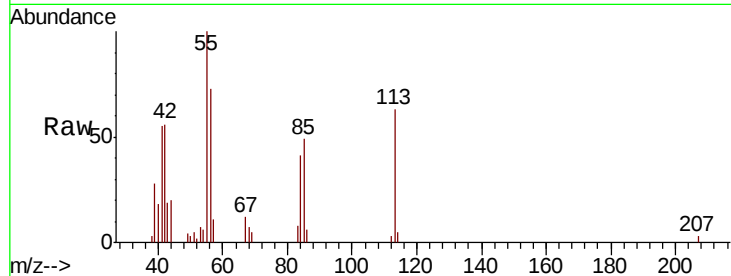




#35
 Caprolactam
 Concen: 6.800 ng
 RT: 11.54 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

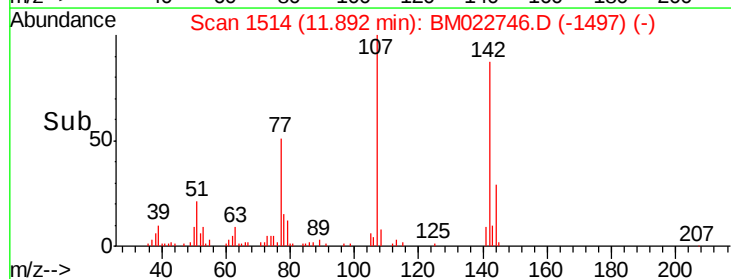
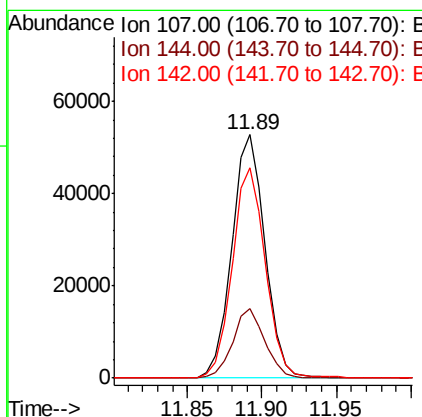
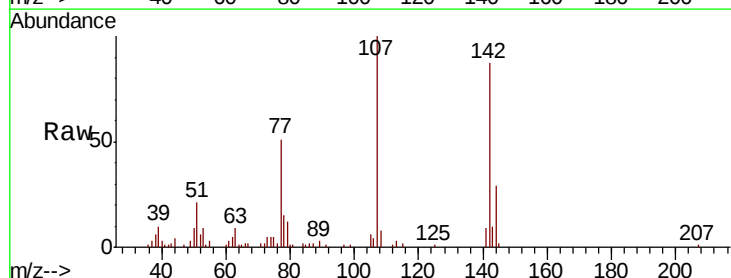
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

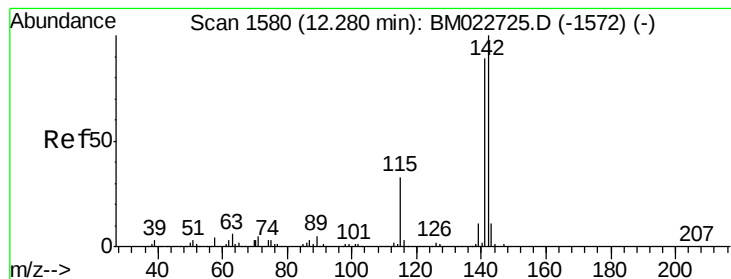
Tot Ion:113 Resp: 21206
 Ion Ratio Lower Upper
 113 100
 55 158.2 136.8 176.8
 56 115.4 95.2 135.2



#36
 4-Chloro-3-methylphenol
 Concen: 7.944 ng
 RT: 11.89 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

Tgt Ion:107 Resp: 81528
 Ion Ratio Lower Upper
 107 100
 144 28.8 22.4 33.6
 142 86.6 68.2 102.4





#37

2-Methylnaphthalene

Concen: 8.070 ng

RT: 12.28 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

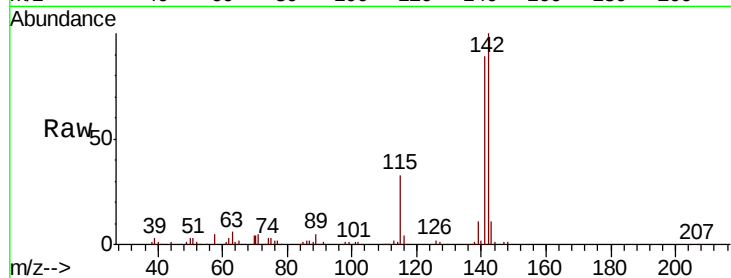
Tot Ion:142 Resp: 207298

Ion Ratio Lower Upper

142 100

141 89.0 71.5 107.3

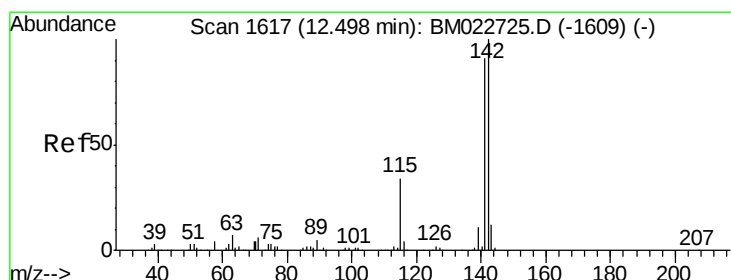
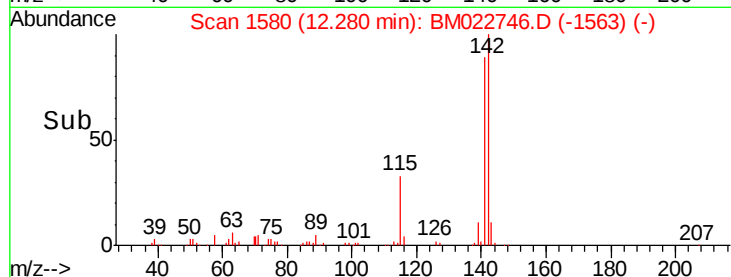
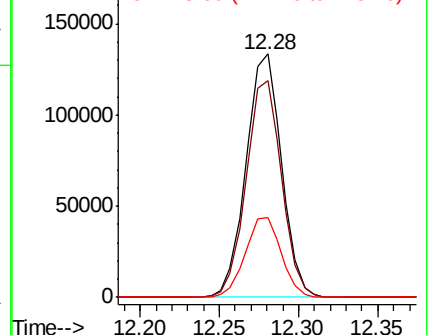
115 32.9 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 7.999 ng

RT: 12.50 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

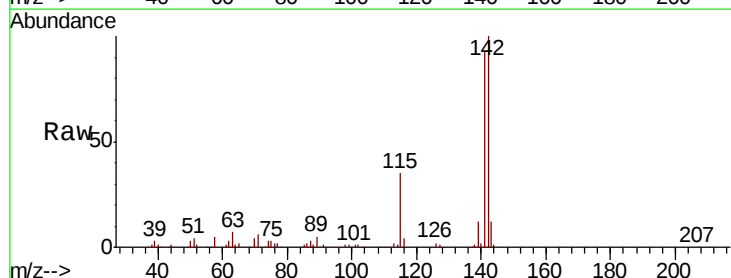
Tgt Ion:142 Resp: 195060

Ion Ratio Lower Upper

142 100

141 92.6 73.0 109.4

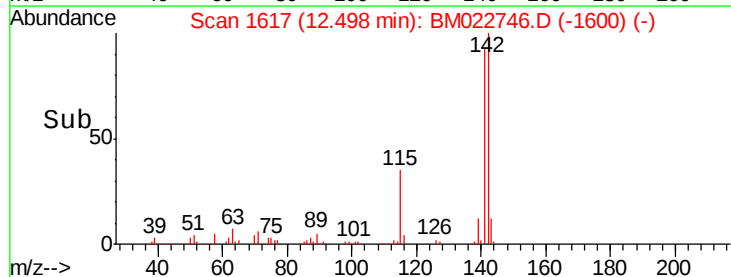
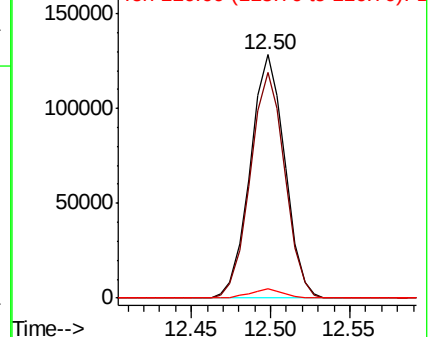
116 3.6 2.9 4.3

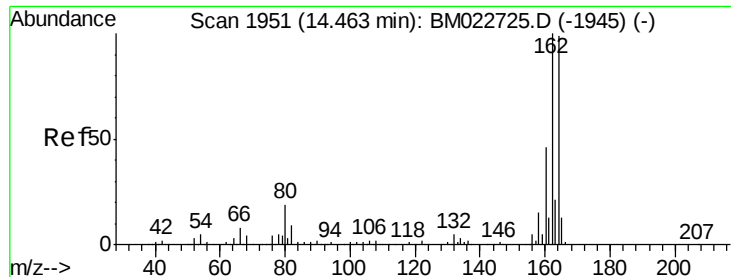


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

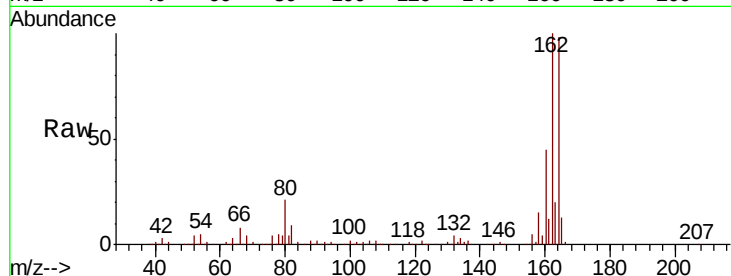
Tot Ion:164 Resp: 476602

Ion Ratio Lower Upper

164 100

162 102.3 81.1 121.7

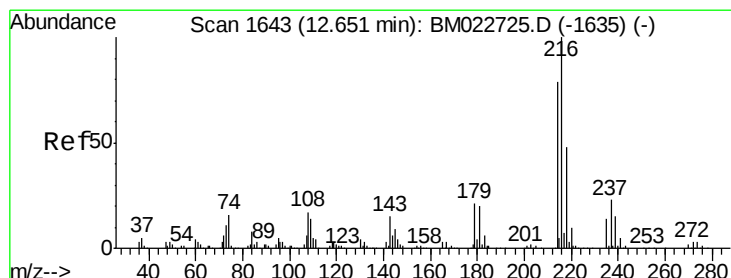
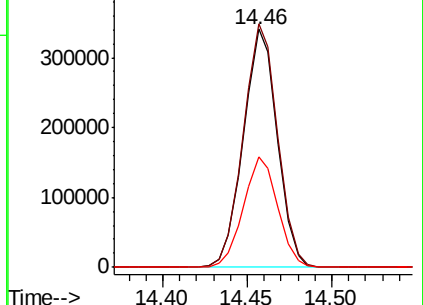
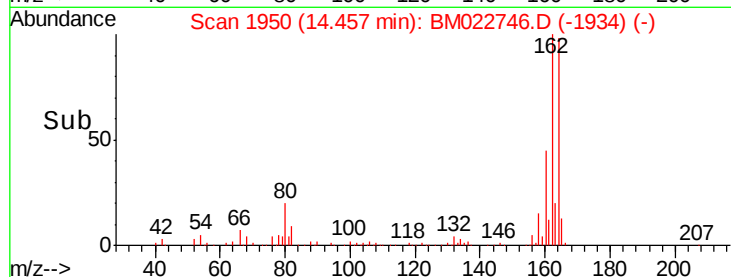
160 46.2 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.402 ng

RT: 12.65 min Scan# 1643

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Tgt Ion:216 Resp: 103390

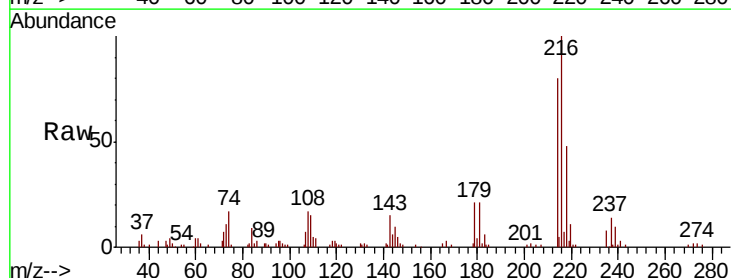
Ion Ratio Lower Upper

216 100

214 78.1 62.9 94.3

179 21.1 16.6 24.8

108 18.7 14.2 21.4

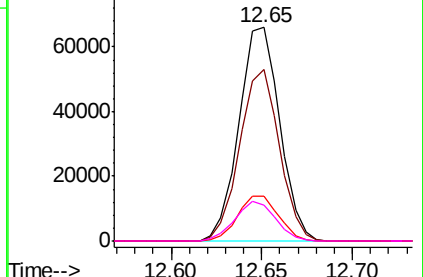
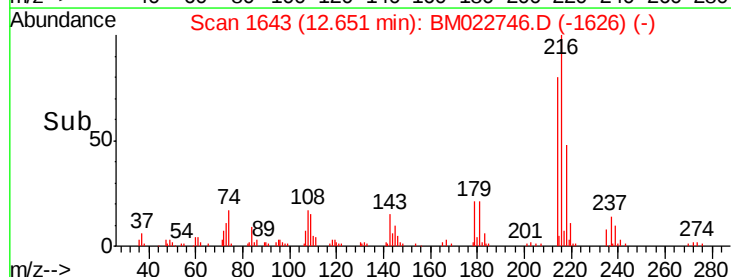


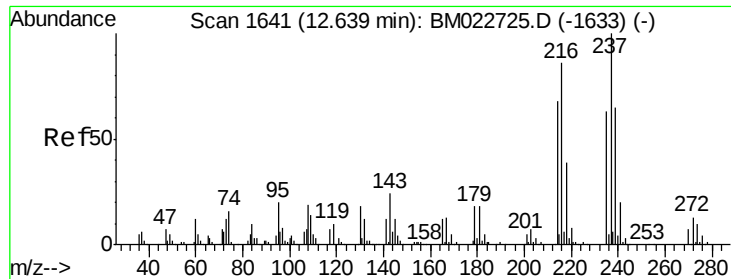
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

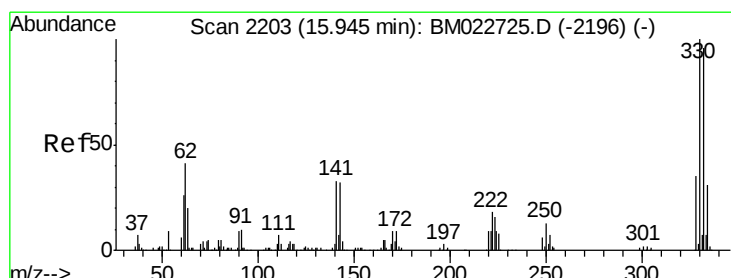
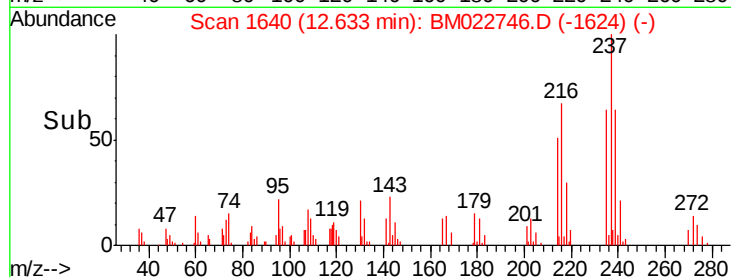
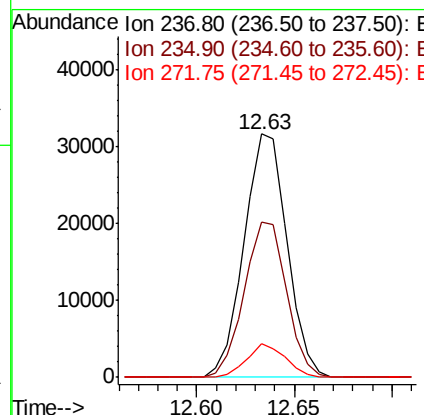
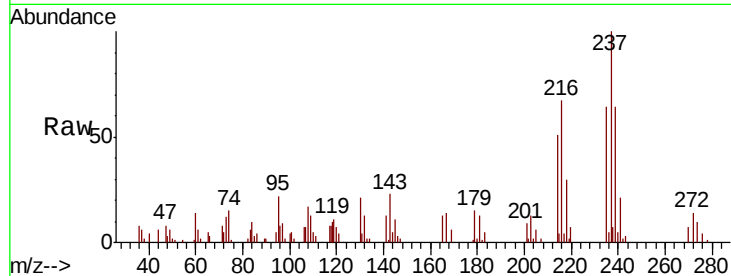




#41
 Hexachlorocyclopentadiene
 Concen: 5.476 ng
 RT: 12.63 min Scan# 1640
 Delta R.T. -0.01 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

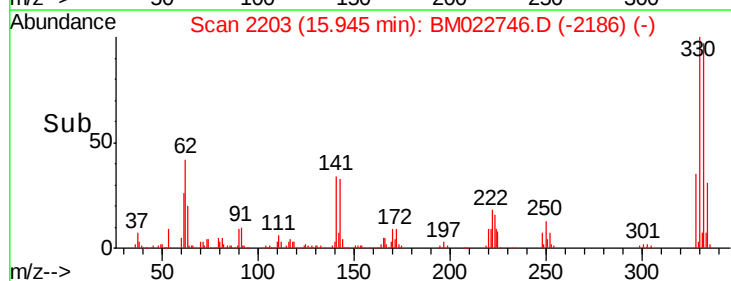
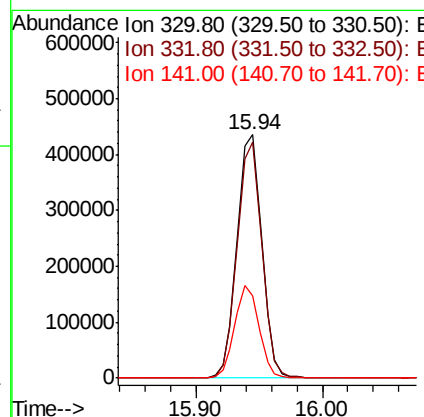
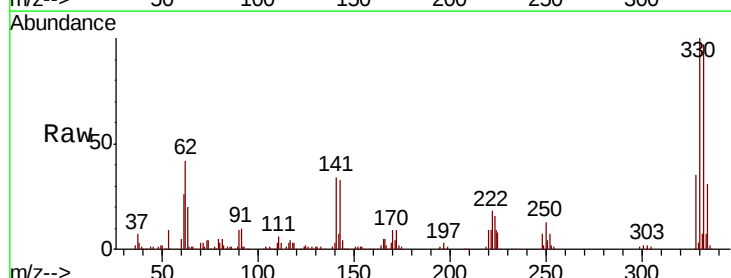
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

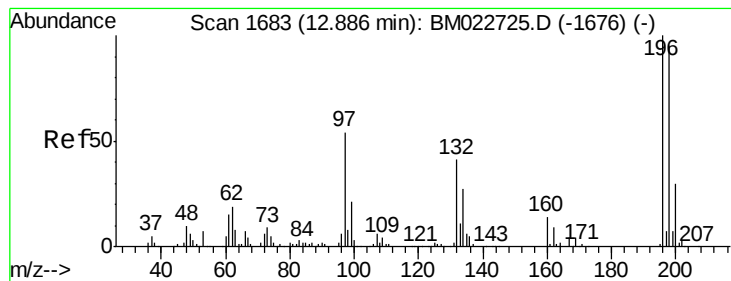
Tot Ion:	237	Resp:	48246
Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.3	83.3
272	13.8	0.0	32.6



#42
 2,4,6-Tribromophenol
 Concen: 98.920 ng
 RT: 15.94 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

Tgt Ion:	330	Resp:	588534
Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	37.4	28.6	42.8





#43

2,4,6-Trichlorophenol

Concen: 6.312 ng

RT: 12.89 min Scan# 1683

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

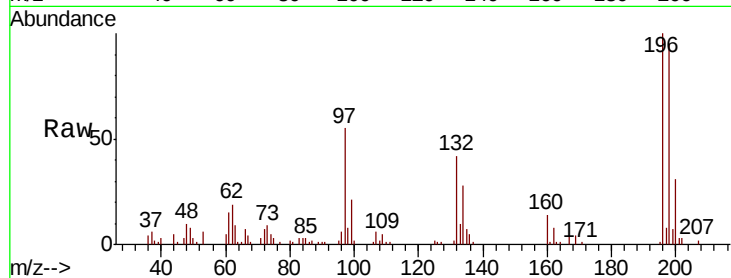
Tot Ion:196 Resp: 58837

Ion Ratio Lower Upper

196 100

198 95.2 76.3 114.5

200 31.0 24.4 36.6

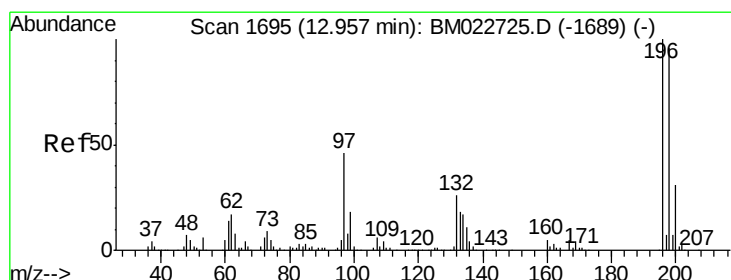
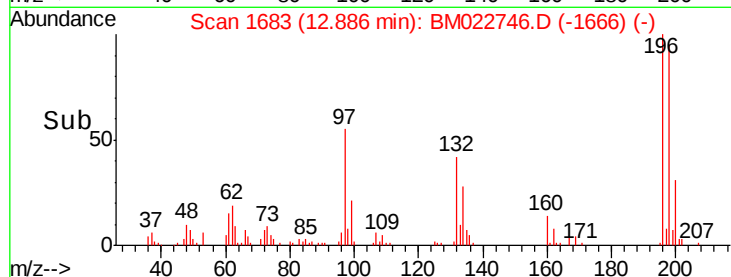
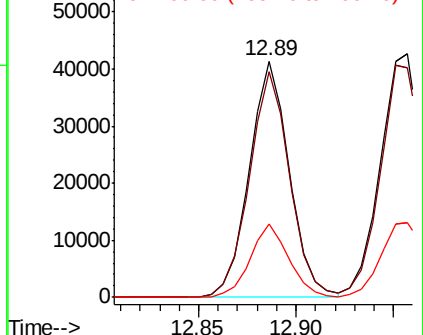


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 6.940 ng

RT: 12.96 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Tgt Ion:196 Resp: 67405

Ion Ratio Lower Upper

196 100

198 94.4 77.0 115.4

97 47.0 37.2 55.8

132 26.4 20.8 31.2

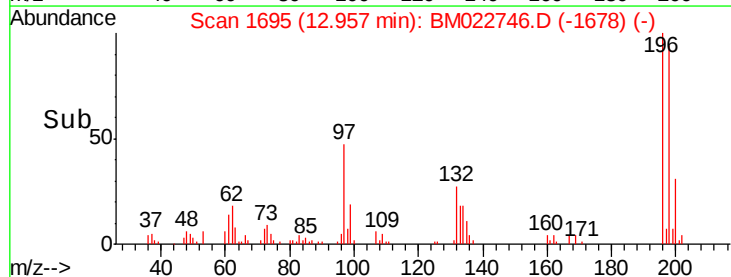
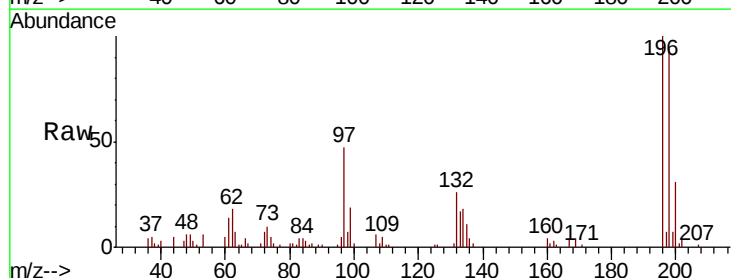
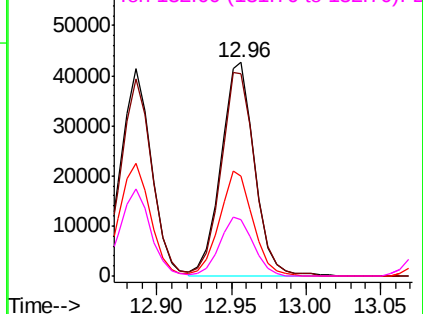
Abundance

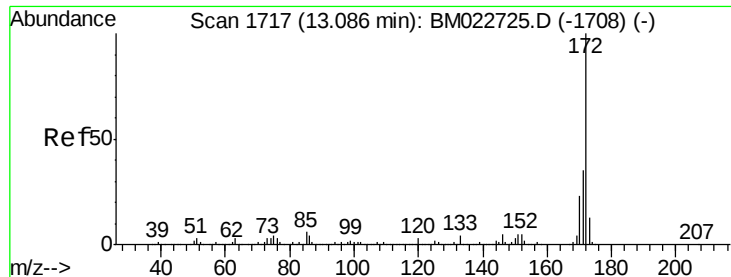
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM0

Ion 132.00 (131.70 to 132.70): E

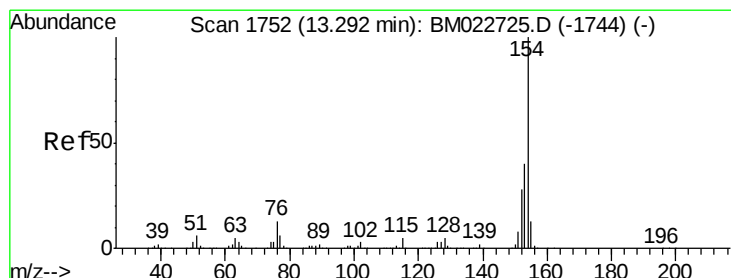
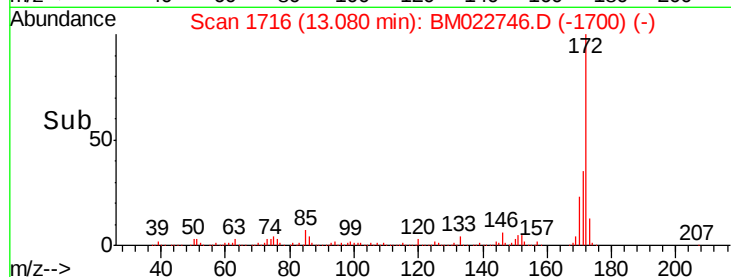
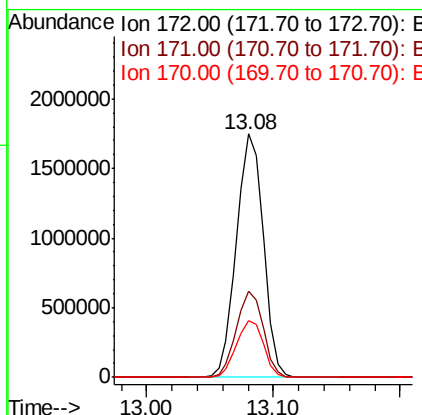
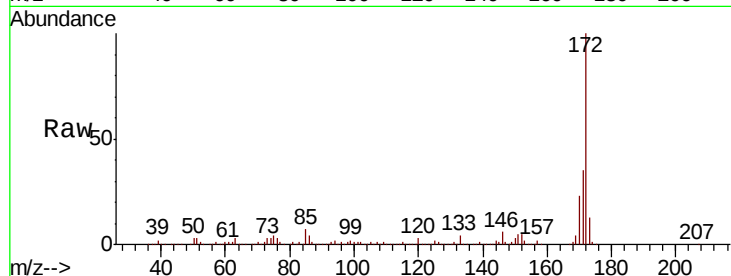




#45
2-Fluorobiphenyl
Concen: 74.073 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

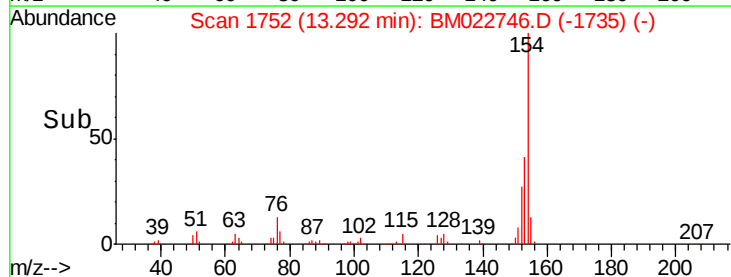
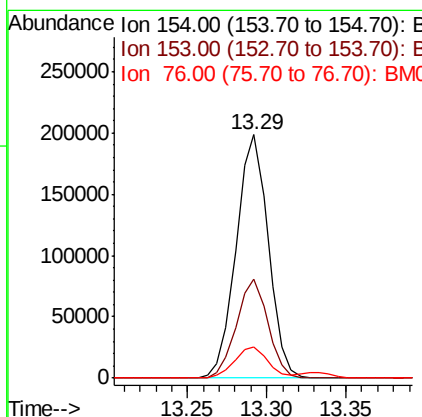
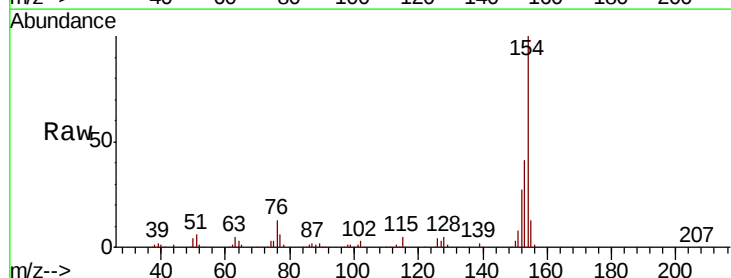
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

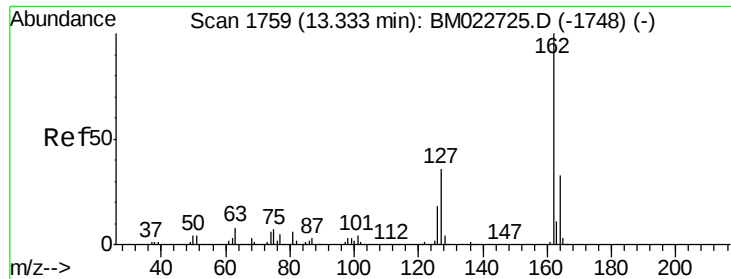
Tot Ion:172 Resp: 2563699
Ion Ratio Lower Upper
172 100
171 35.2 27.8 41.8
170 23.3 18.7 28.1



#46
1,1'-Biphenyl
Concen: 7.062 ng
RT: 13.29 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:154 Resp: 278557
Ion Ratio Lower Upper
154 100
153 40.8 20.1 60.1
76 13.0 0.0 32.6





#47

2-Chloronaphthalene

Concen: 7.309 ng

RT: 13.33 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

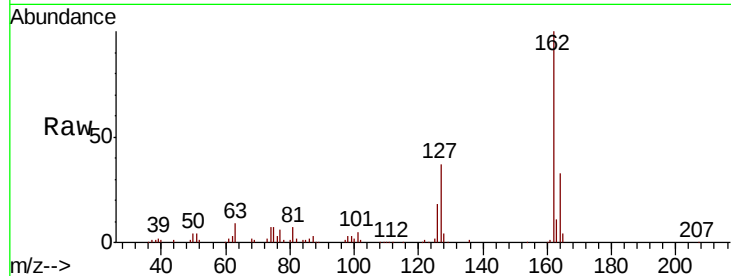
Tot Ion:162 Resp: 214879

Ion Ratio Lower Upper

162 100

127 36.6 29.0 43.6

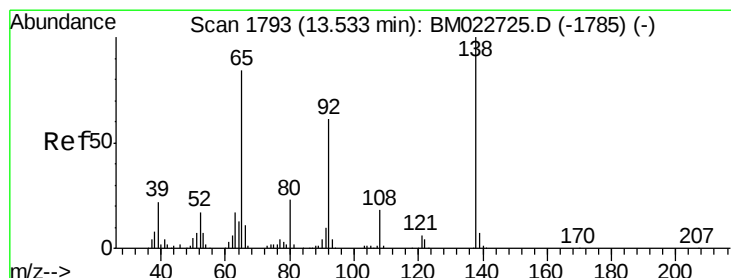
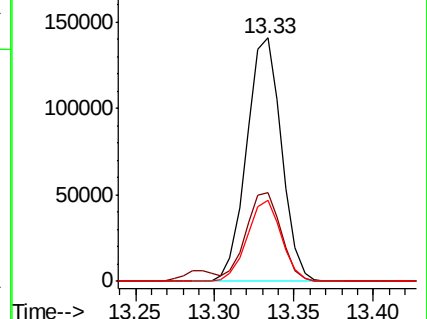
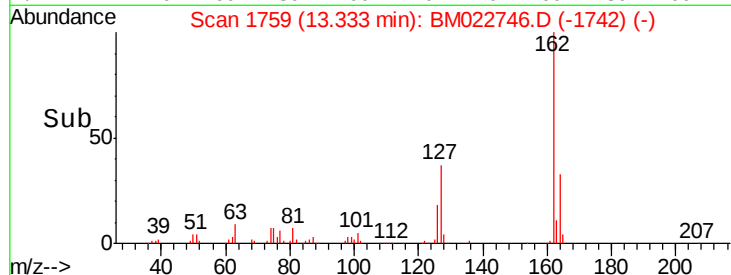
164 33.3 26.0 39.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 5.964 ng

RT: 13.53 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

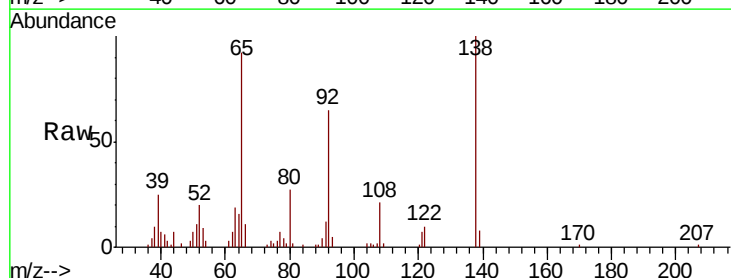
Tgt Ion: 65 Resp: 45655

Ion Ratio Lower Upper

65 100

92 70.4 58.6 87.8

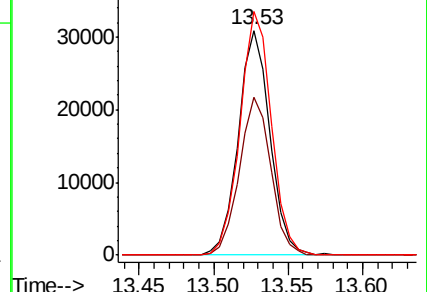
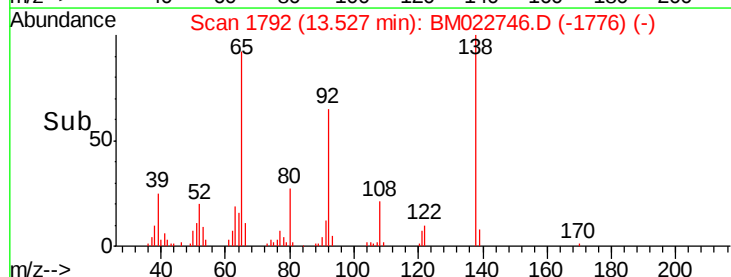
138 108.2 95.4 143.0

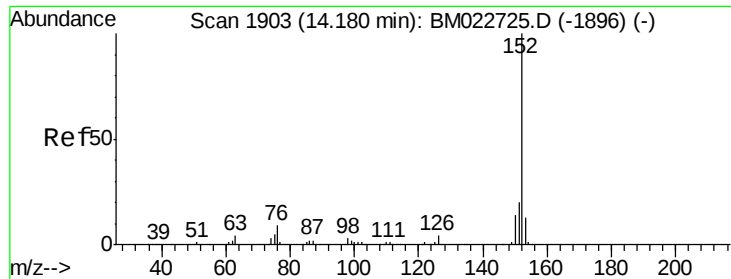


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 7.445 ng

RT: 14.18 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

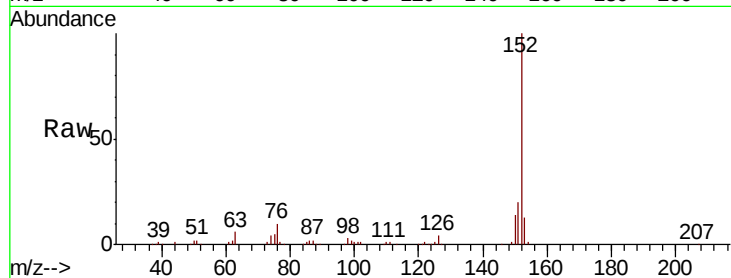
Tot Ion:152 Resp: 324119

Ion Ratio Lower Upper

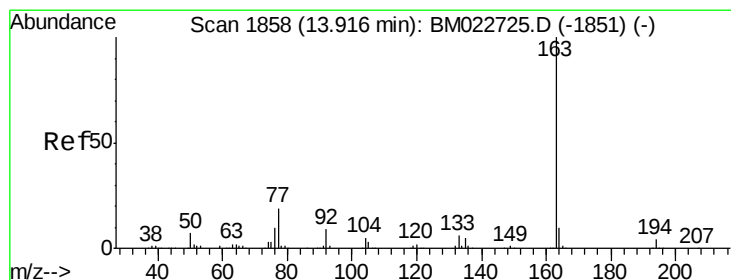
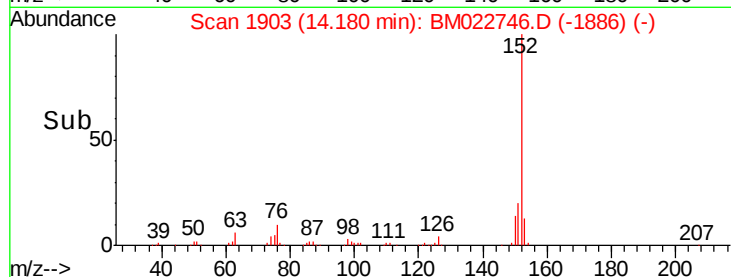
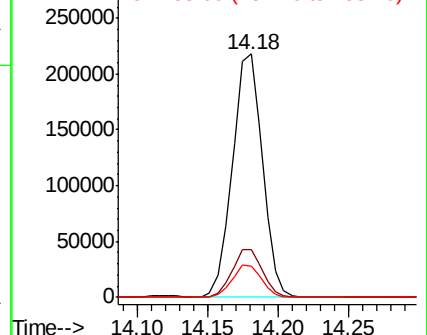
152 100

151 19.8 15.9 23.9

153 12.7 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.600 ng

RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

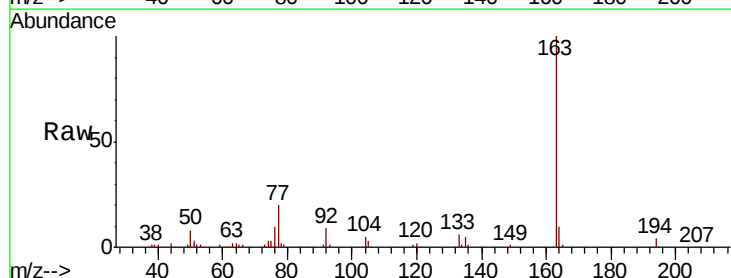
Tgt Ion:163 Resp: 261775

Ion Ratio Lower Upper

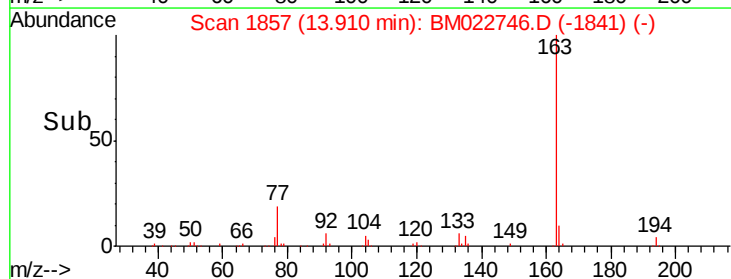
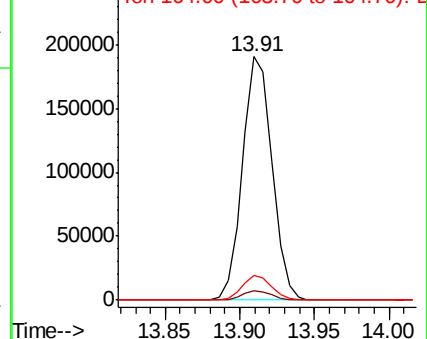
163 100

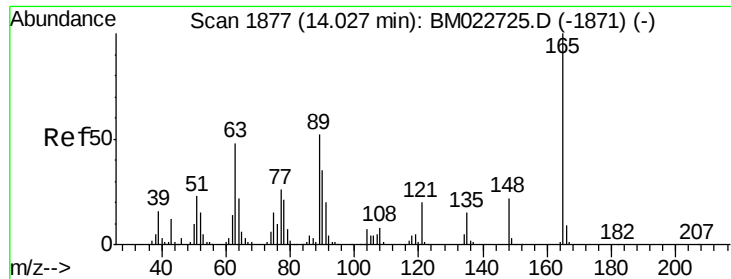
194 3.9 3.3 4.9

164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 6.741 ng

RT: 14.02 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

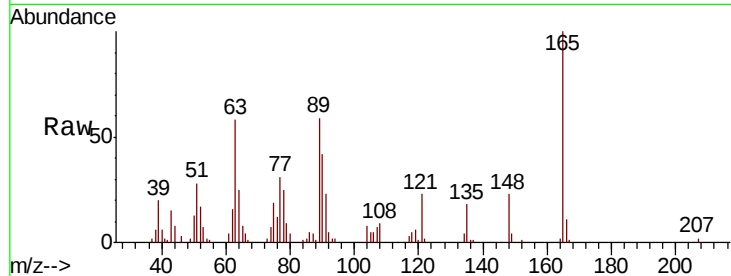
Tot Ion:165 Resp: 48567

Ion Ratio Lower Upper

165 100

63 58.1 38.6 58.0#

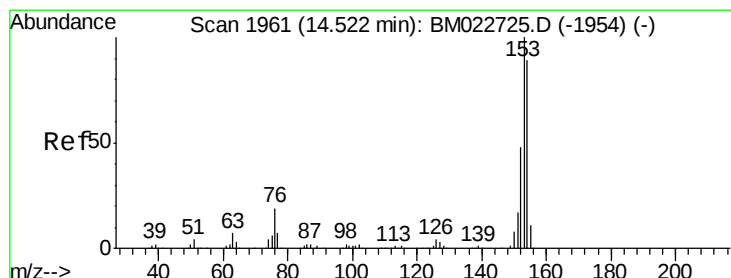
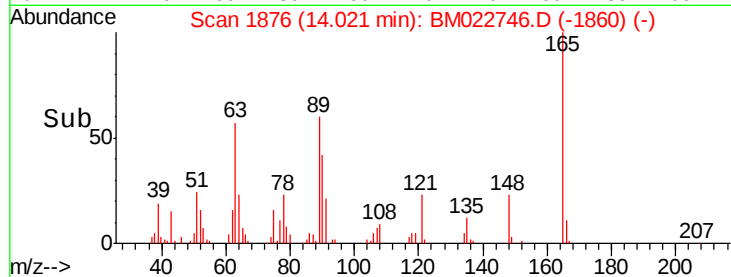
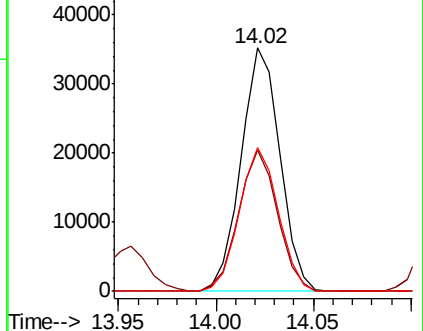
89 59.1 41.6 62.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM



#52

Acenaphthene

Concen: 7.509 ng

RT: 14.52 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

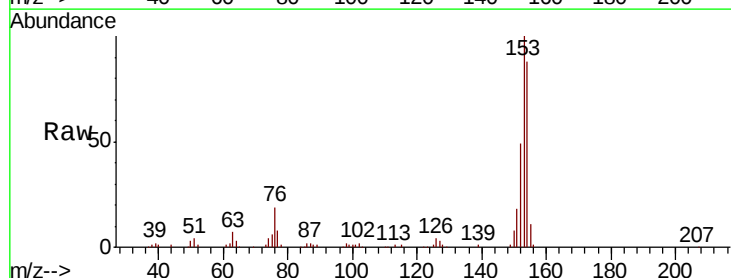
Tgt Ion:154 Resp: 213866

Ion Ratio Lower Upper

154 100

153 114.0 90.0 135.0

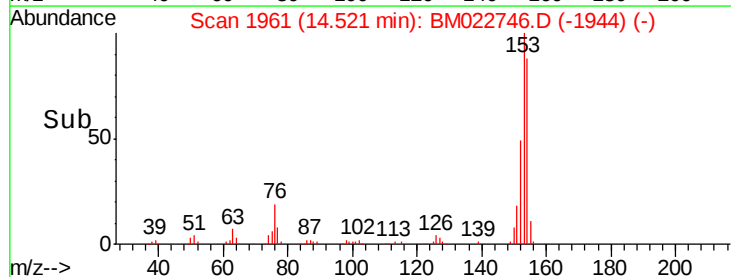
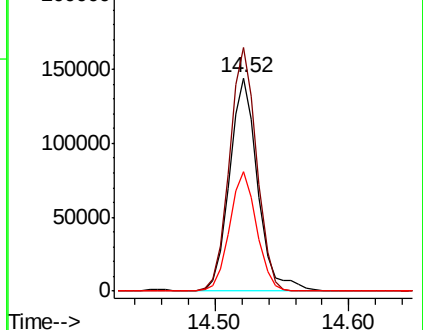
152 55.7 42.9 64.3

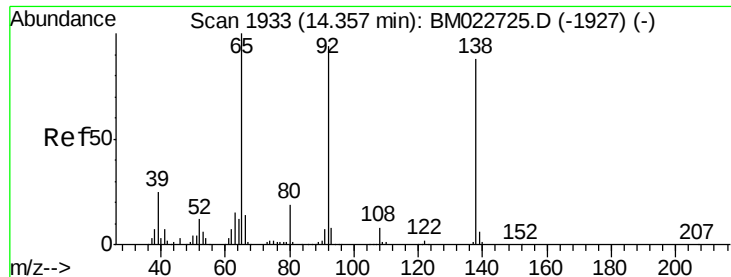


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 6.038 ng

RT: 14.35 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

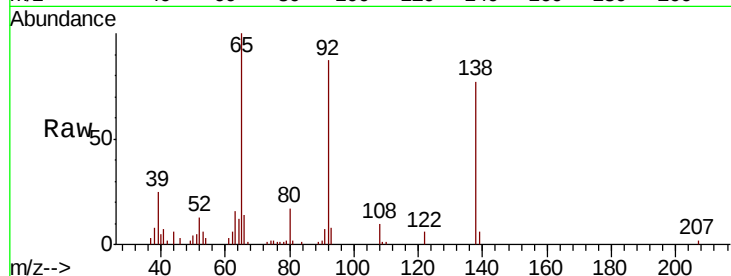
Tot Ion:138 Resp: 50079

Ion Ratio Lower Upper

138 100

108 13.3 7.3 10.9#

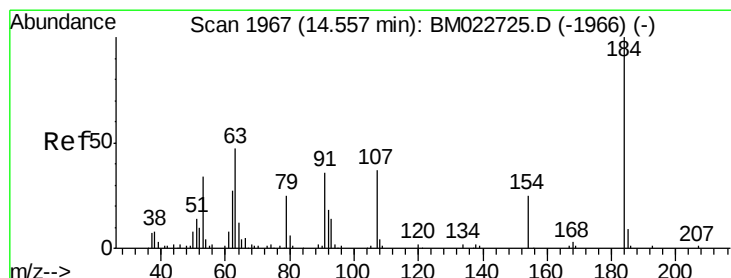
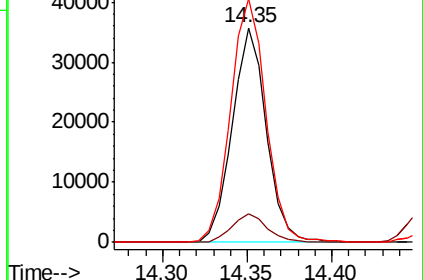
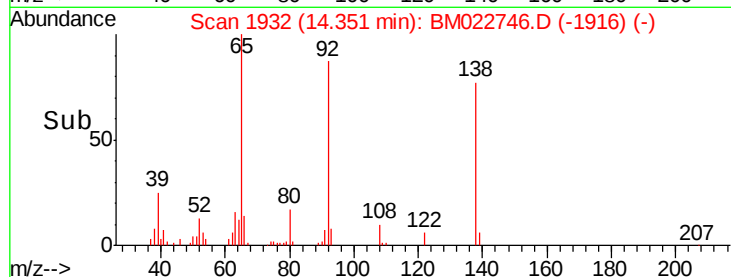
92 113.7 86.3 129.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54

2,4-Dinitrophenol

Concen: 5.128 ng

RT: 14.56 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

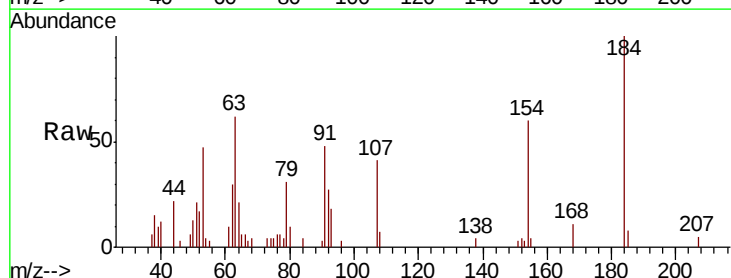
Tgt Ion:184 Resp: 17443

Ion Ratio Lower Upper

184 100

63 61.5 48.5 72.7

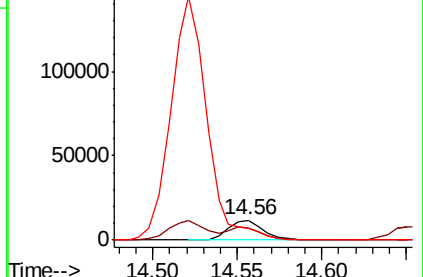
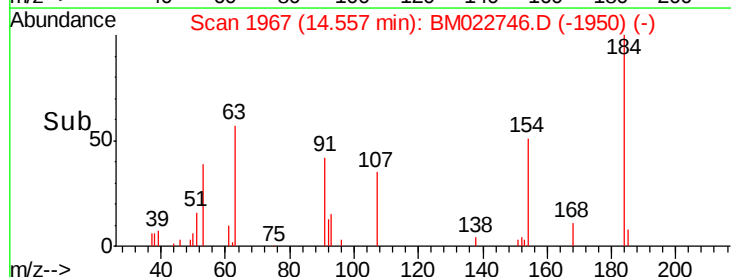
154 59.9 48.1 72.1

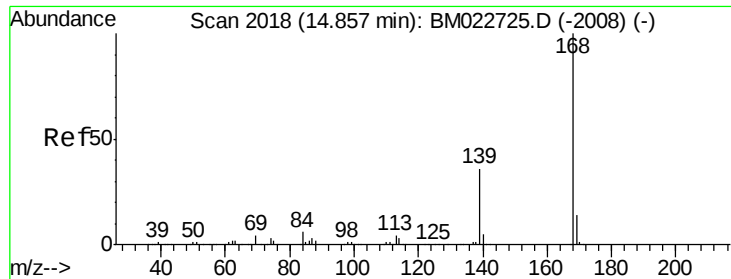


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E

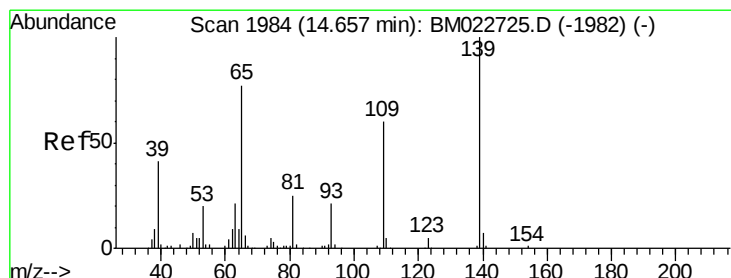
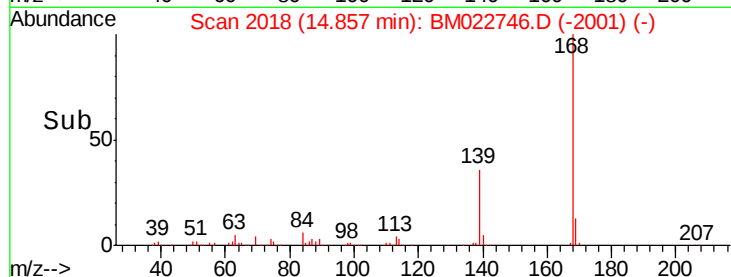
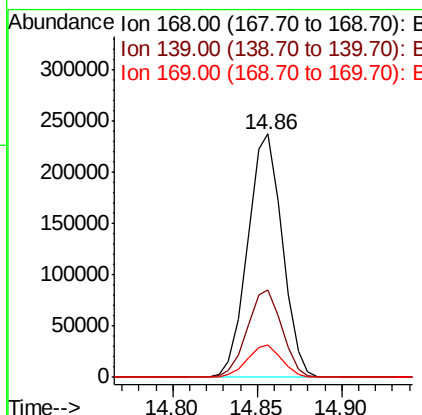
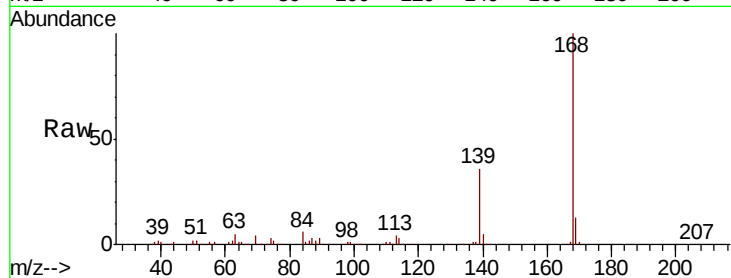




#55
Dibenzenofuran
Concen: 8.124 ng
RT: 14.86 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

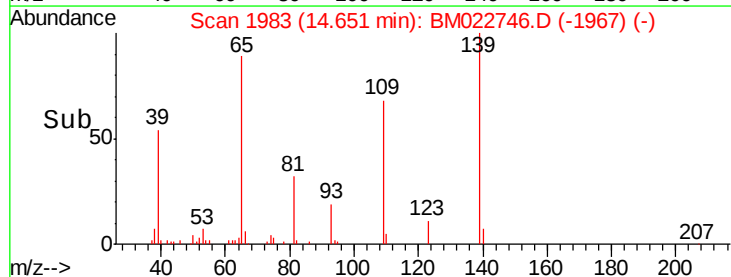
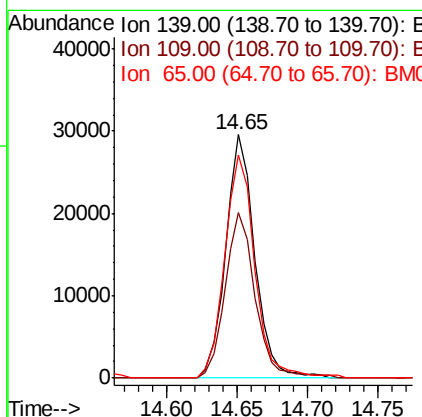
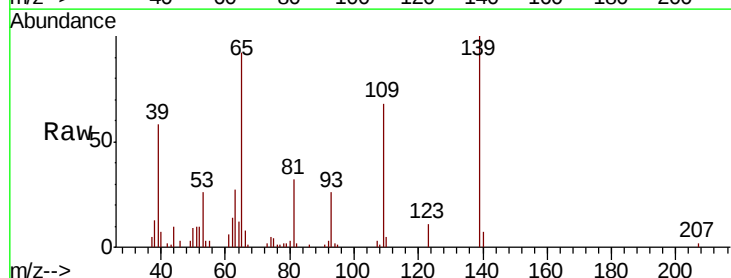
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

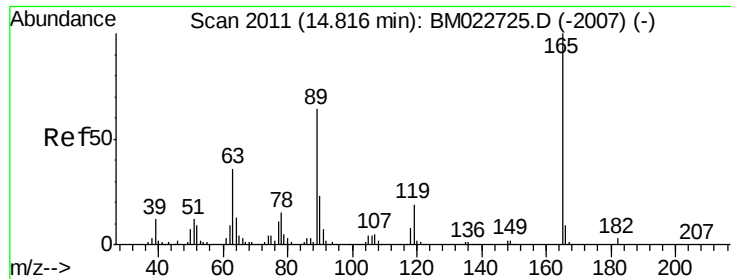
Tot Ion:168 Resp: 337836
Ion Ratio Lower Upper
168 100
139 35.7 28.8 43.2
169 13.2 10.9 16.3



#56
4-Nitrophenol
Concen: 6.639 ng
RT: 14.65 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:139 Resp: 42325
Ion Ratio Lower Upper
139 100
109 67.8 44.8 84.8
65 91.7 66.6 106.6

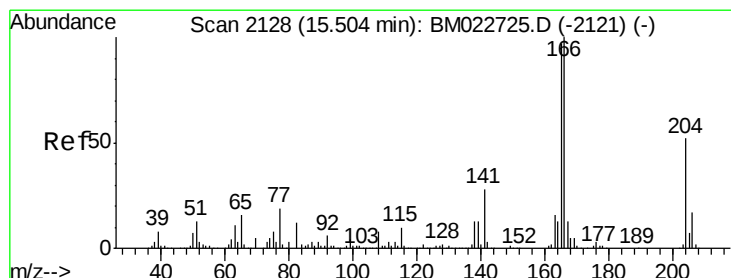
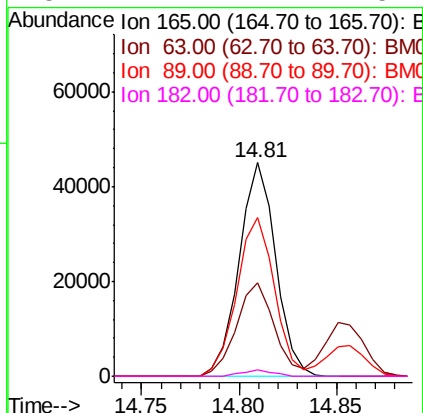
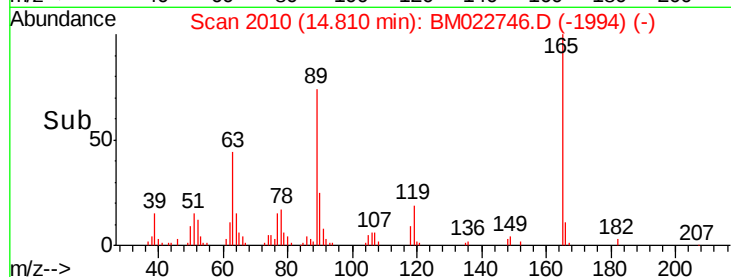
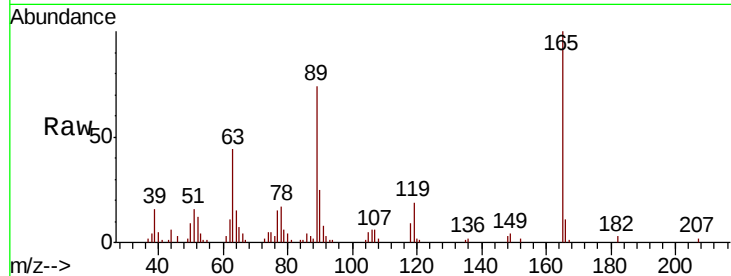




#57
 2,4-Dinitrotoluene
 Concen: 6.194 ng
 RT: 14.81 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

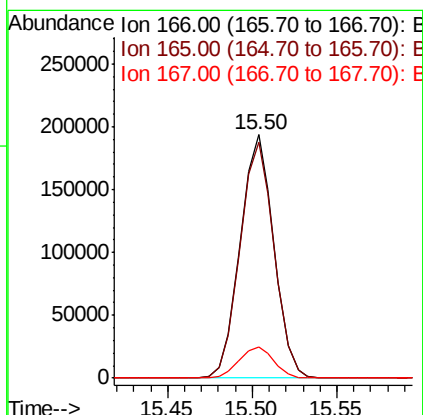
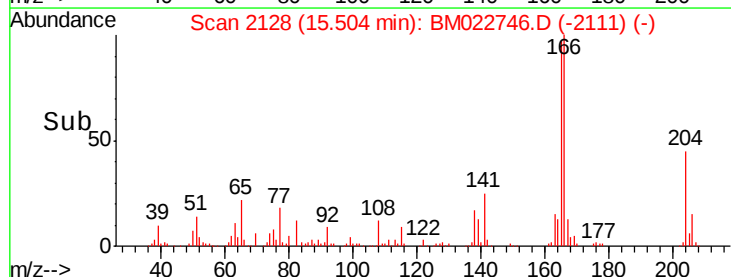
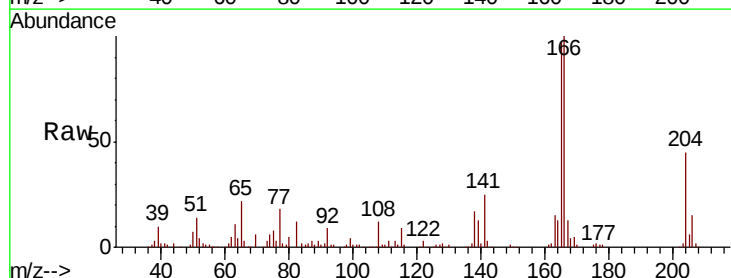
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

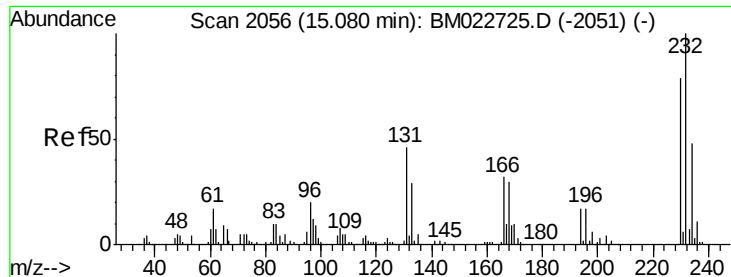
Tot Ion:	165	Resp:	58465
Ion	Ratio	Lower	Upper
165	100		
63	43.8	30.1	45.1
89	74.4	52.5	78.7
182	2.7	2.2	3.4



#58
 Fluorene
 Concen: 7.913 ng
 RT: 15.50 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

Tgt Ion:	166	Resp:	267376
Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.6	116.4
167	12.9	10.8	16.2

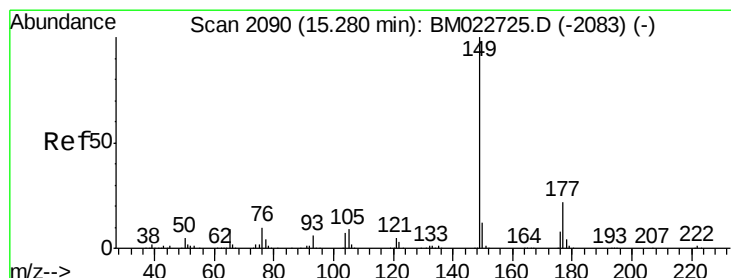
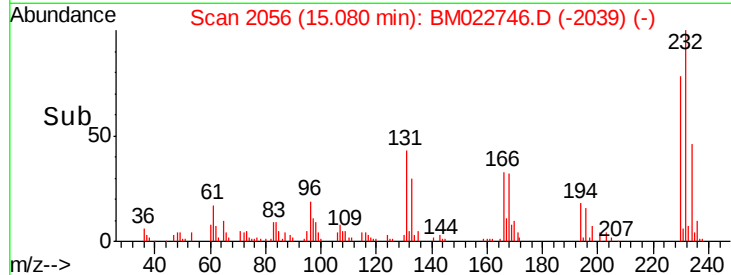
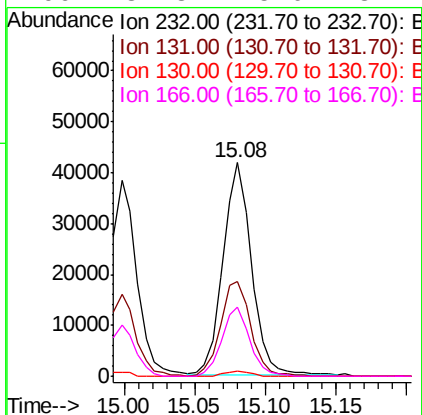
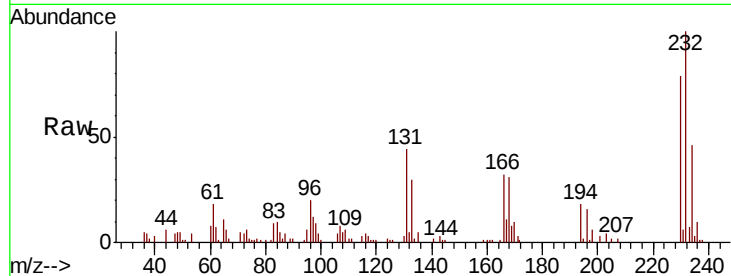




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.862 ng
 RT: 15.08 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

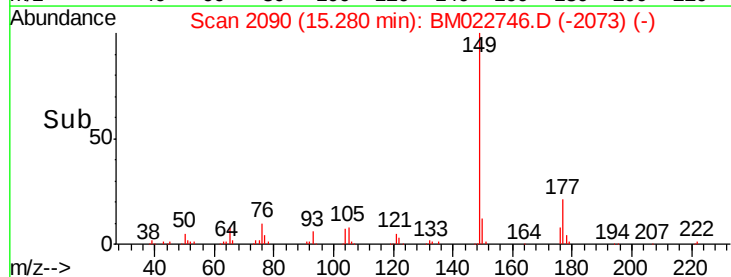
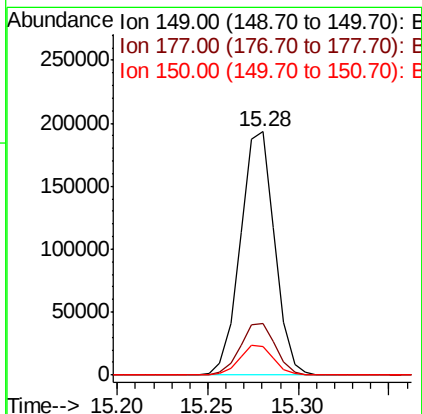
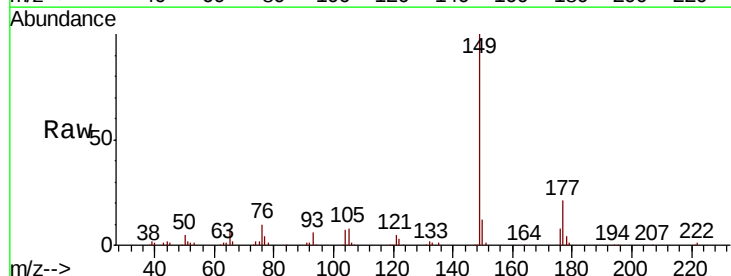
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

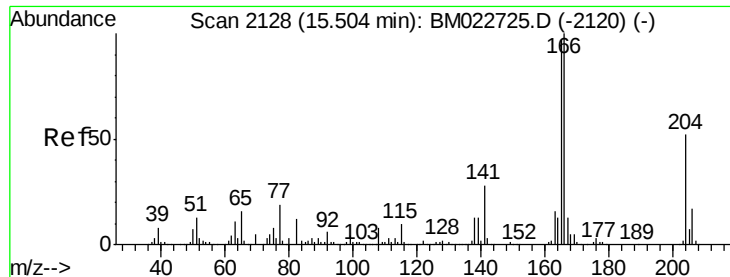
Tot Ion:232	Resp:	58130
Ion Ratio	Lower	Upper
232	100	
131	48.0	36.3 54.5
130	2.3	1.8 2.8
166	32.3	25.0 37.4



#60
 Diethylphthalate
 Concen: 7.544 ng
 RT: 15.28 min Scan# 2090
 Delta R.T. -0.00 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

Tgt Ion:149	Resp:	252660
Ion Ratio	Lower	Upper
149	100	
177	21.1	17.6 26.4
150	11.8	9.9 14.9

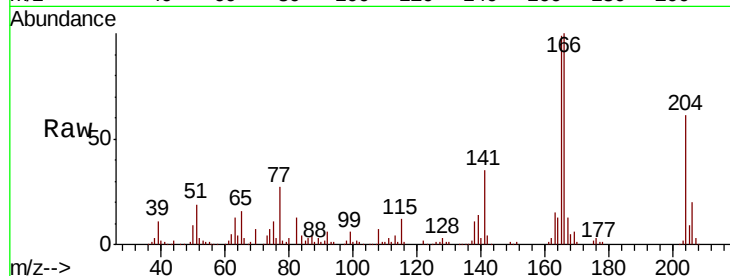




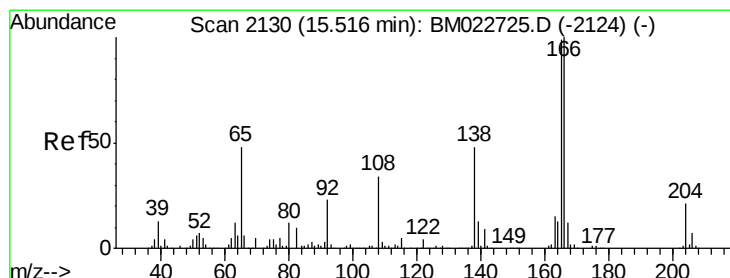
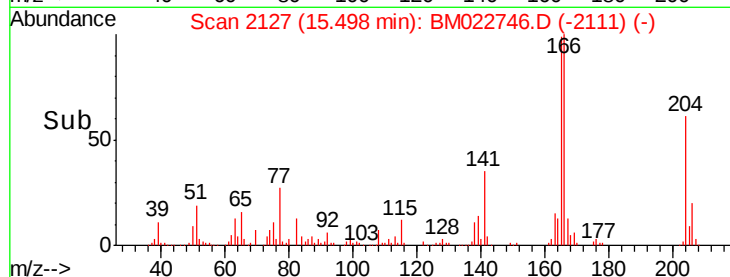
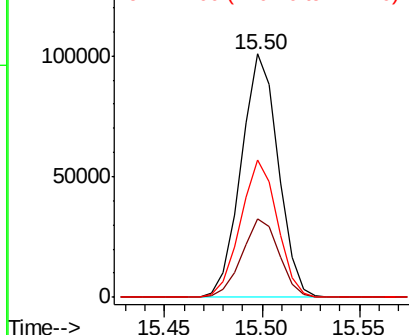
#61
4-Chlorophenyl-phenylether
Concen: 7.640 ng
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion:204 Resp: 132639
Ion Ratio Lower Upper
204 100
206 32.3 26.2 39.4
141 56.6 42.6 64.0

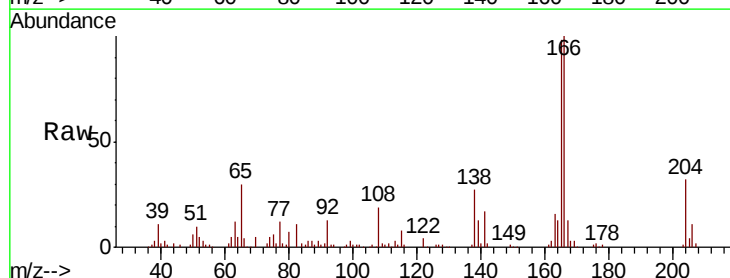


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

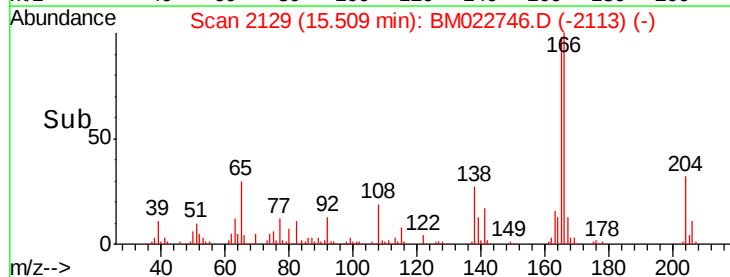
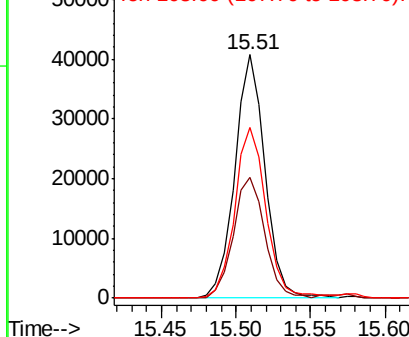


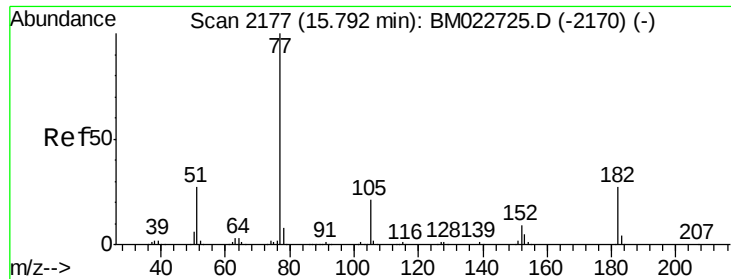
#62
4-Nitroaniline
Concen: 6.590 ng
RT: 15.51 min Scan# 2129
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:138 Resp: 57304
Ion Ratio Lower Upper
138 100
92 49.6 28.7 68.7
108 70.1 50.3 90.3



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

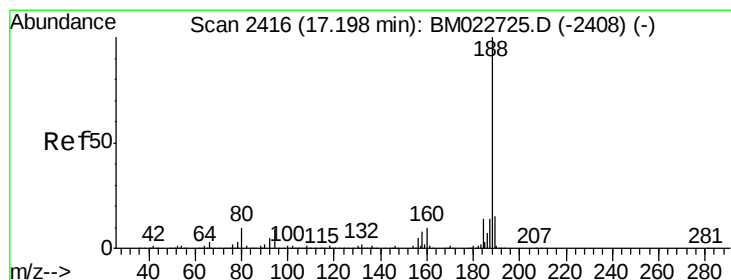
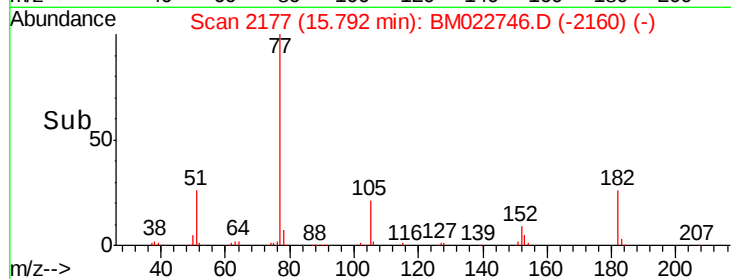
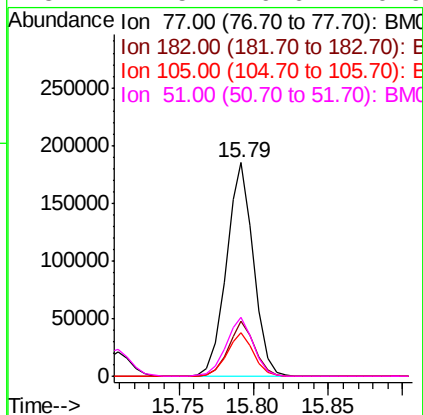
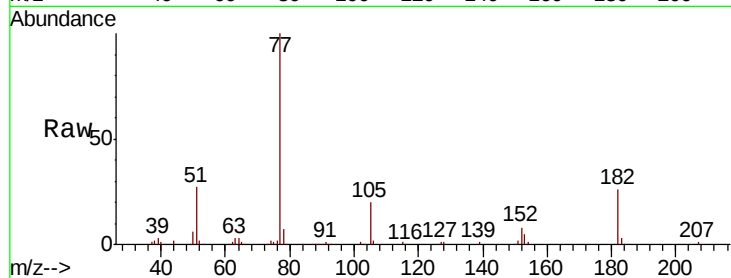




#63
Azobenzene
Concen: 7.764 ng
RT: 15.79 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

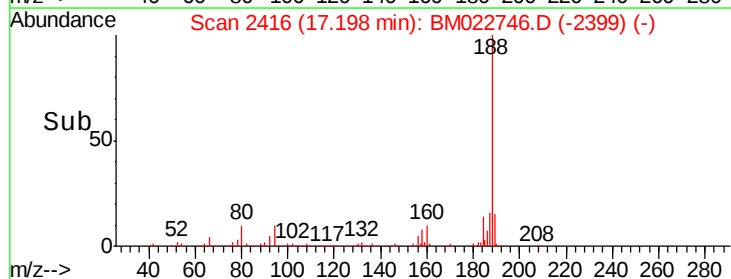
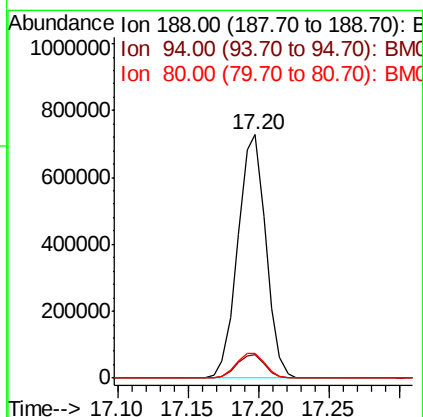
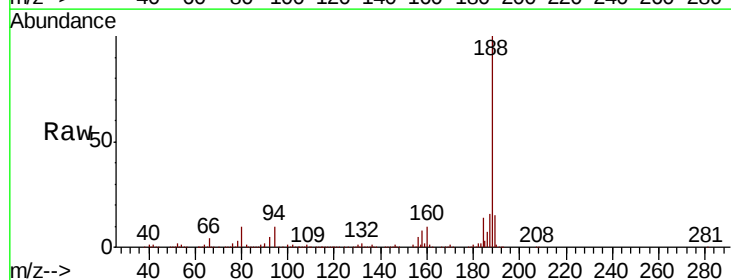
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

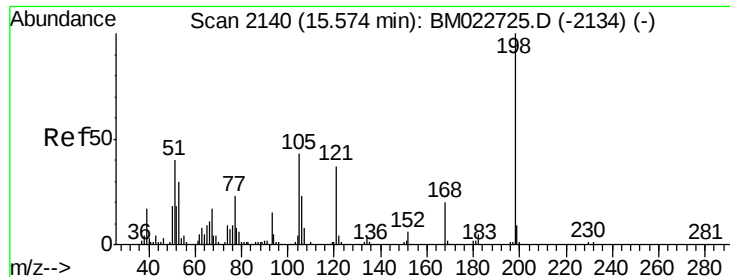
Tot Ion:	77	Resp:	234826
Ion	Ratio	Lower	Upper
77	100		
182	25.6	7.0	47.0
105	20.1	0.9	40.9
51	27.5	6.6	46.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.20 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:	188	Resp:	1006289
Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.3	10.9
80	10.2	7.8	11.8

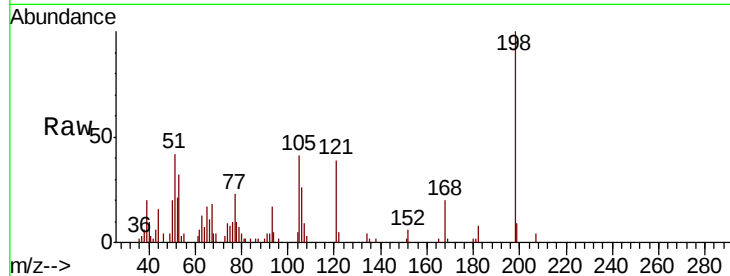




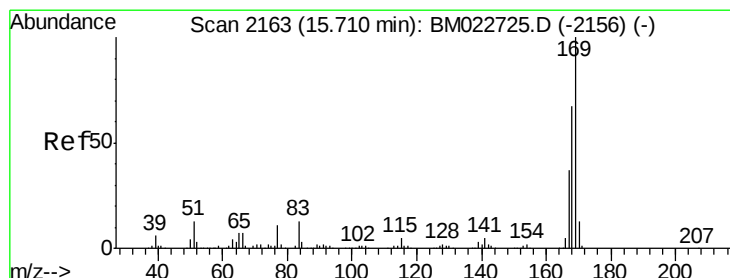
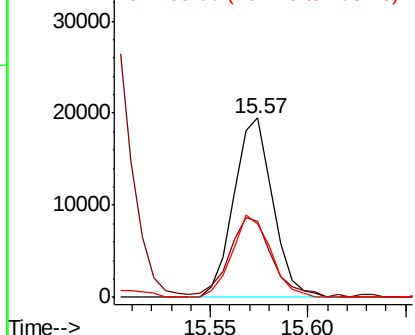
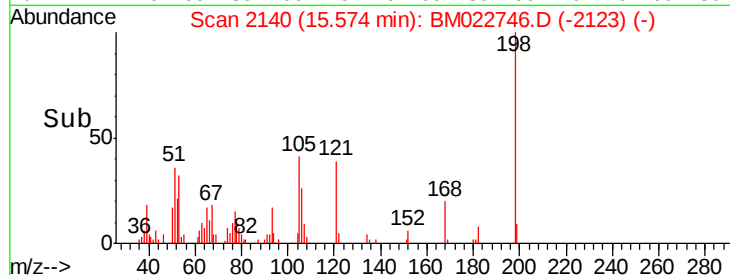
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.704 ng
 RT: 15.57 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion:198 Resp: 26881
 Ion Ratio Lower Upper
 198 100
 51 42.4 21.0 61.0
 105 40.9 22.5 62.5

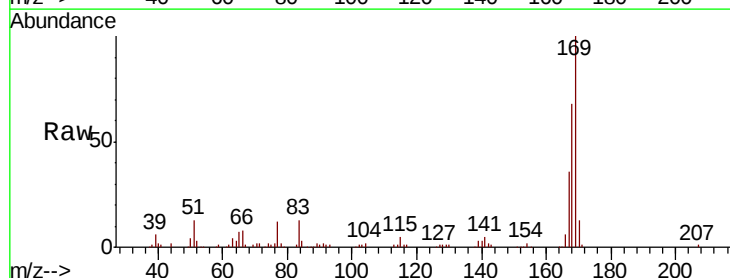


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BM
 Ion 105.00 (104.70 to 105.70): E

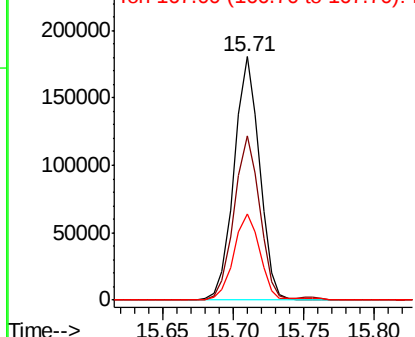
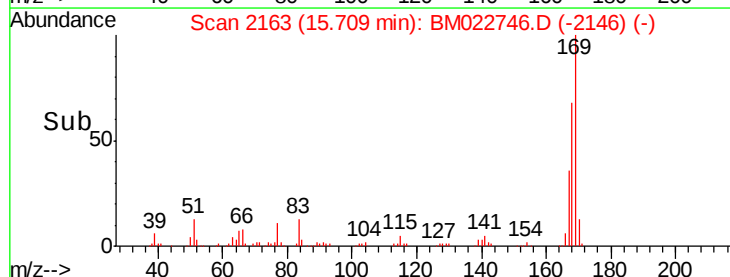


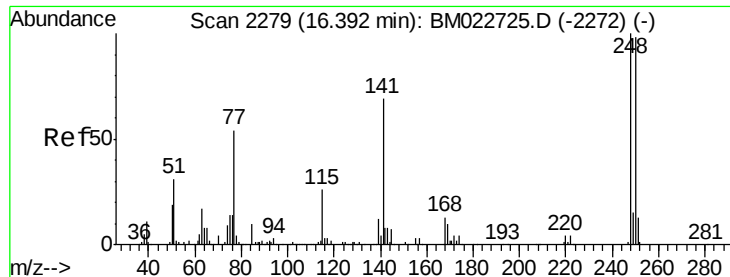
#66
 n-Nitrosodiphenylamine
 Concen: 7.404 ng
 RT: 15.71 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

Tgt Ion:169 Resp: 227613
 Ion Ratio Lower Upper
 169 100
 168 67.6 53.4 80.2
 167 35.6 29.3 43.9



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

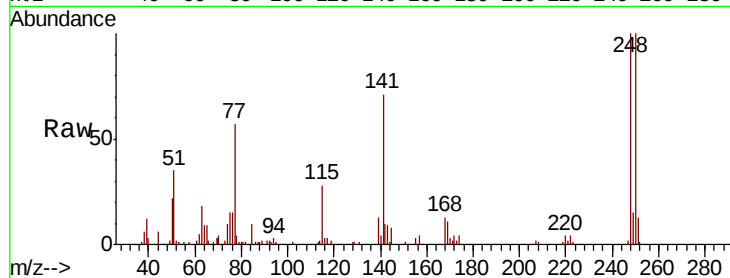




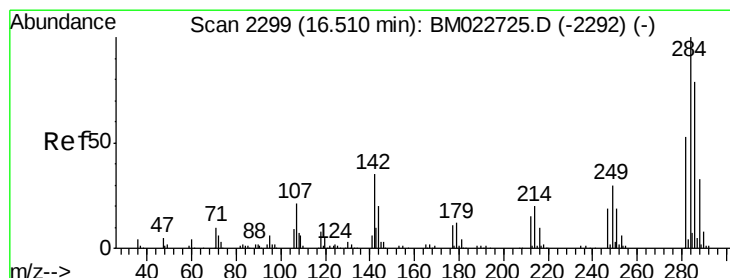
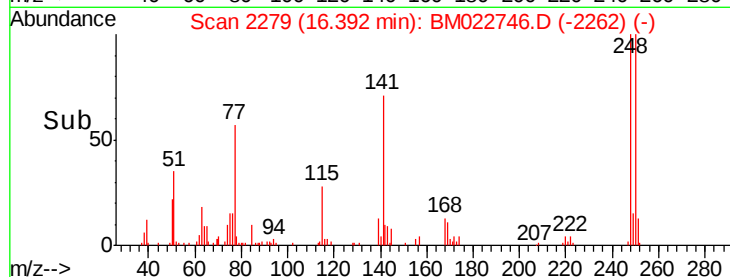
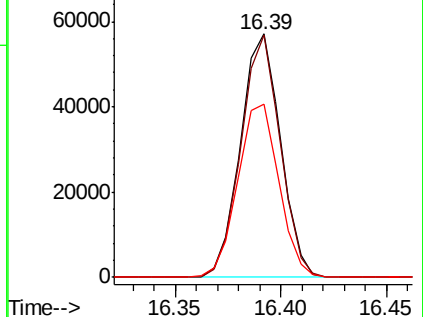
#67
4-Bromophenyl-phenylether
Concen: 6.731 ng
RT: 16.39 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion:248 Resp: 75339
Ion Ratio Lower Upper
248 100
250 99.7 78.4 117.6
141 71.4 55.1 82.7

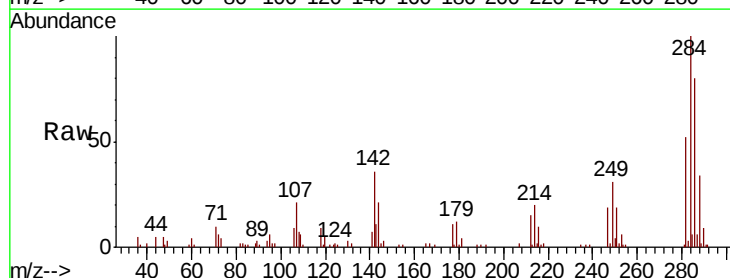


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

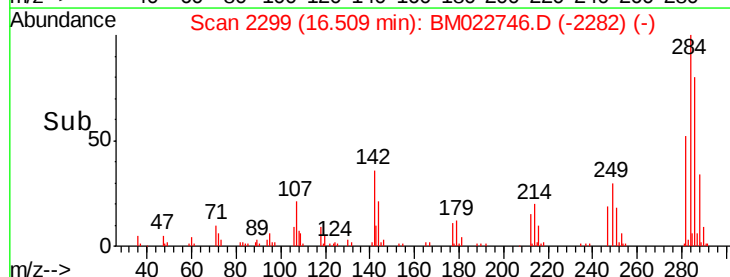
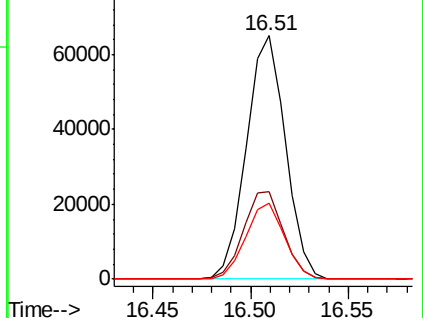


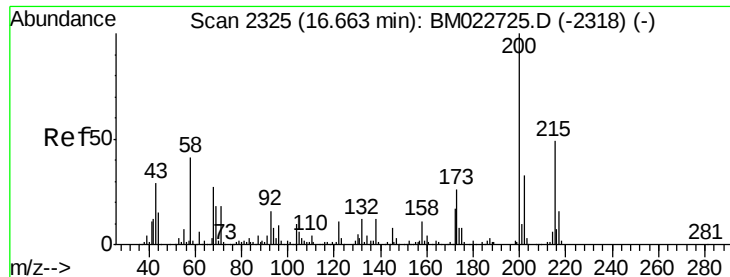
#68
Hexachlorobenzene
Concen: 6.891 ng
RT: 16.51 min Scan# 2299
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:284 Resp: 89941
Ion Ratio Lower Upper
284 100
142 36.2 27.8 41.8
249 31.0 24.4 36.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 6.710 ng

RT: 16.66 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

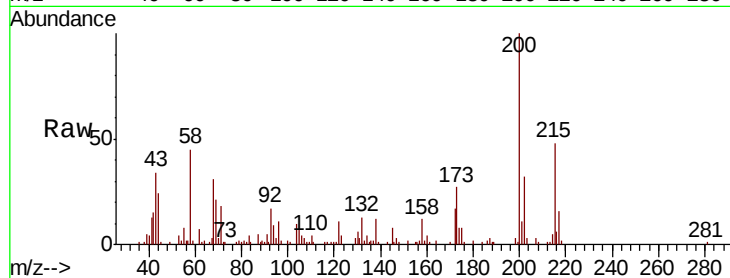
Tot Ion:200 Resp: 67055

Ion Ratio Lower Upper

200 100

173 27.0 5.8 45.8

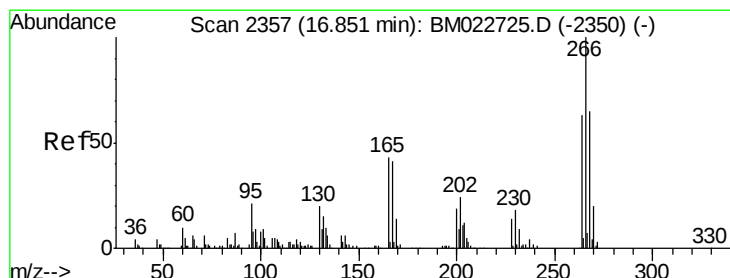
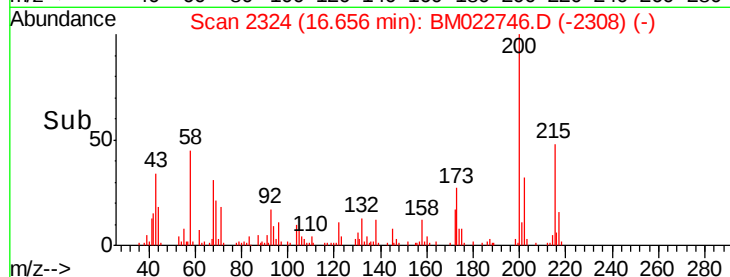
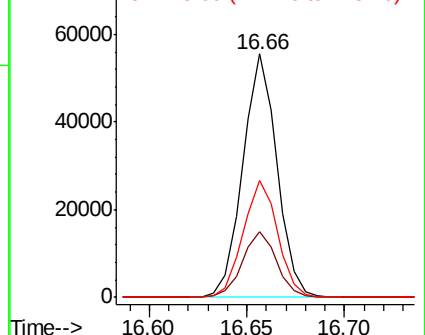
215 47.9 29.2 69.2



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 6.052 ng

RT: 16.84 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

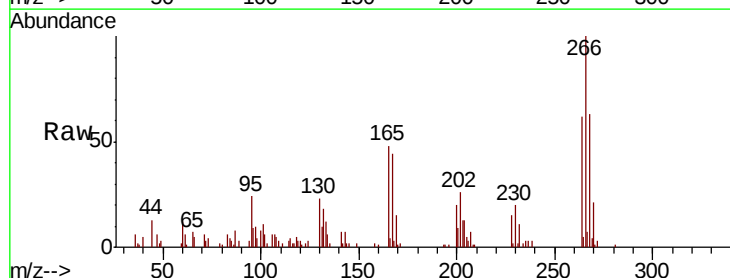
Tgt Ion:266 Resp: 42125

Ion Ratio Lower Upper

266 100

268 62.8 51.8 77.6

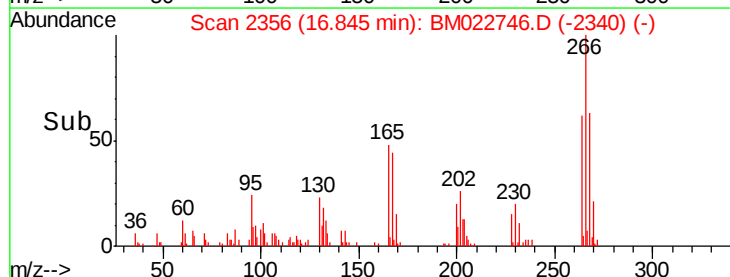
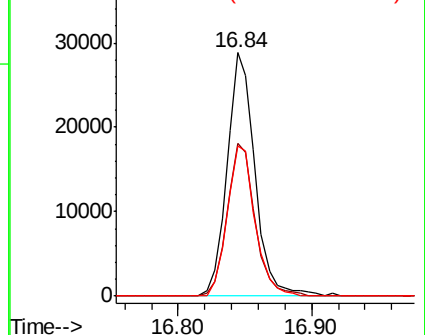
264 61.5 50.2 75.4

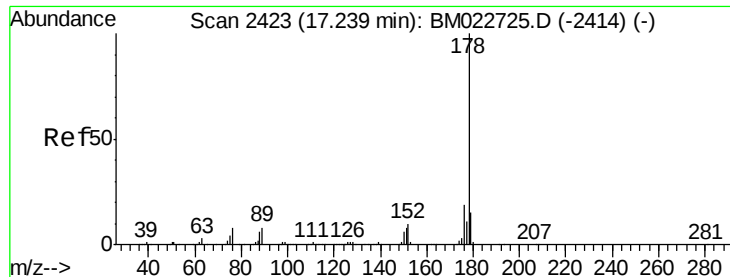


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

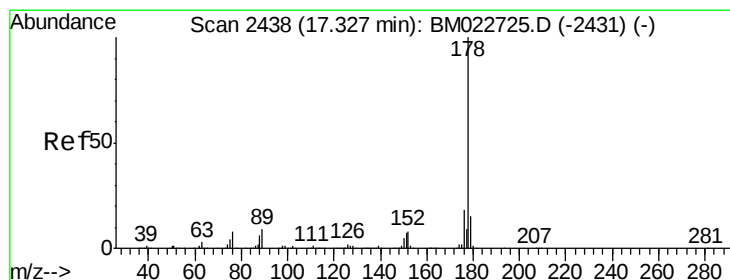
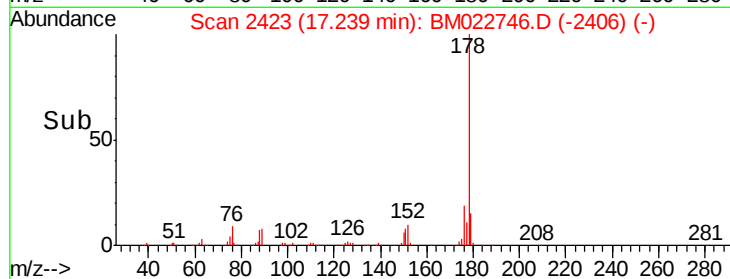
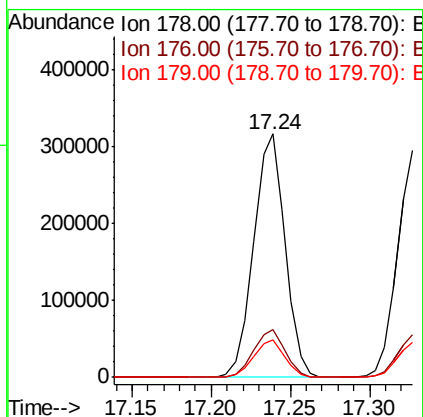
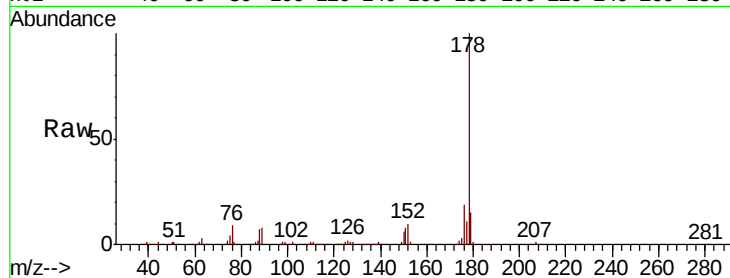




#71
Phenanthrene
Concen: 7.658 ng
RT: 17.24 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

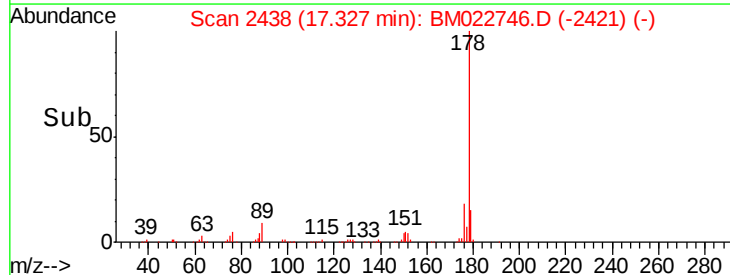
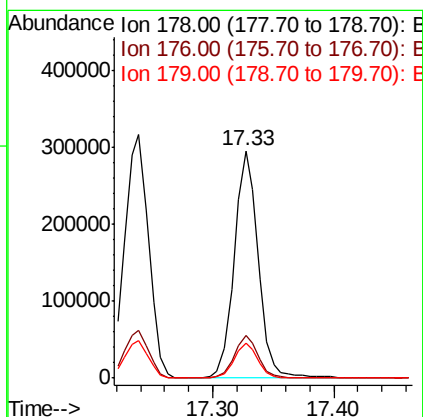
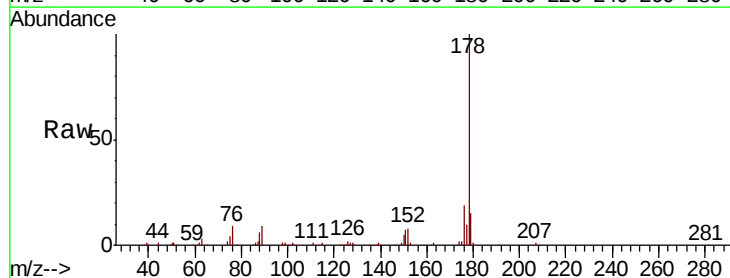
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

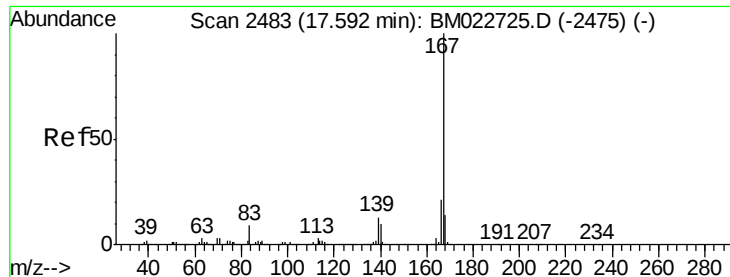
Tot Ion:178 Resp: 434820
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.3 12.3 18.5



#72
Anthracene
Concen: 7.418 ng
RT: 17.33 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:178 Resp: 408230
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.5 12.2 18.4

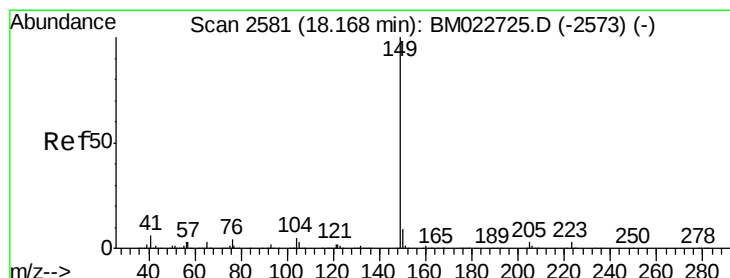
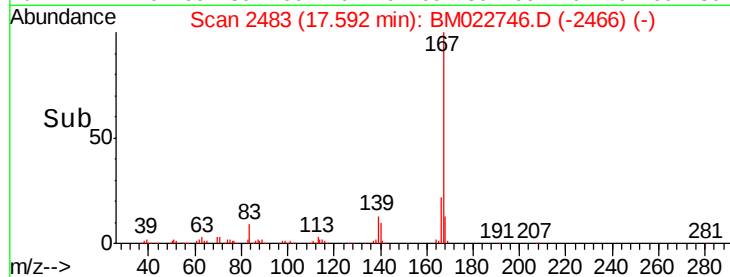
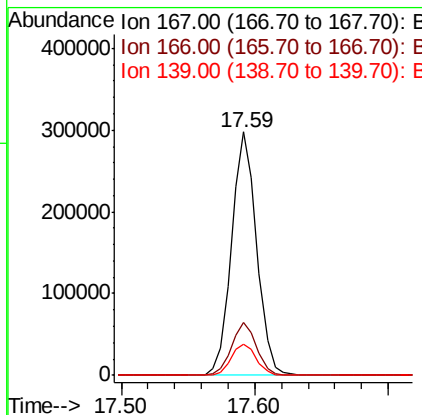
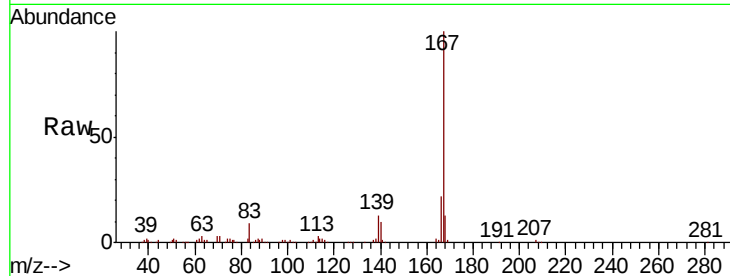




#73
 Carbazole
 Concen: 7.635 ng
 RT: 17.59 min Scan# 2483
 Delta R.T. -0.00 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

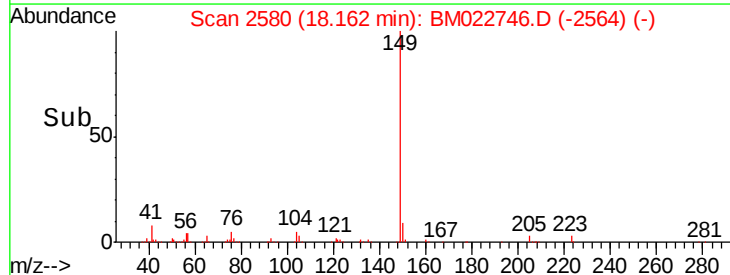
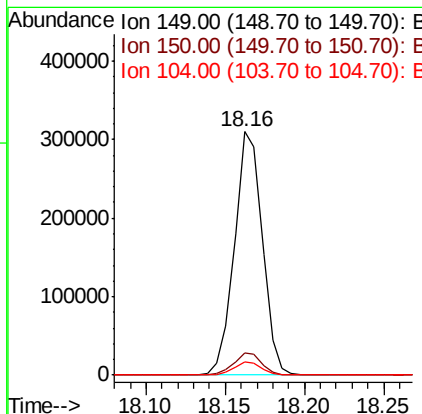
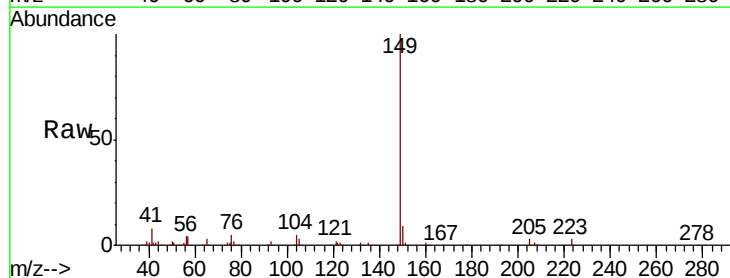
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

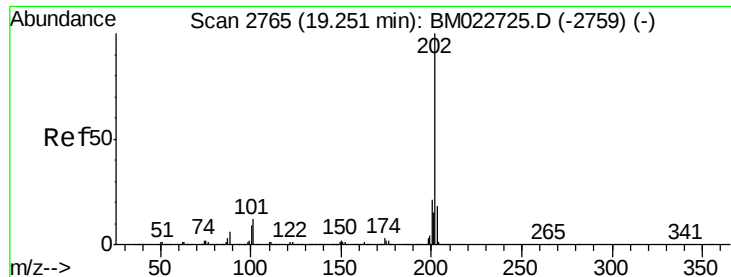
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.4
139	12.9	10.1	15.1



#74
 Di-n-butylphthalate
 Concen: 6.522 ng
 RT: 18.16 min Scan# 2580
 Delta R.T. -0.01 min
 Lab File: BM022746.D
 Acq: 23 Sep 2019 18:24

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	5.2	3.8	5.6





#75

Fluoranthene

Concen: 7.614 ng

RT: 19.25 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

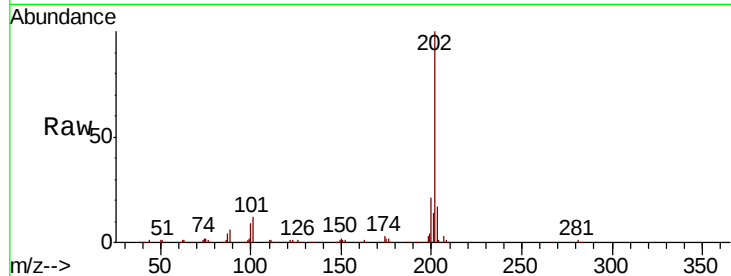
Tot Ion:202 Resp: 487824

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.1

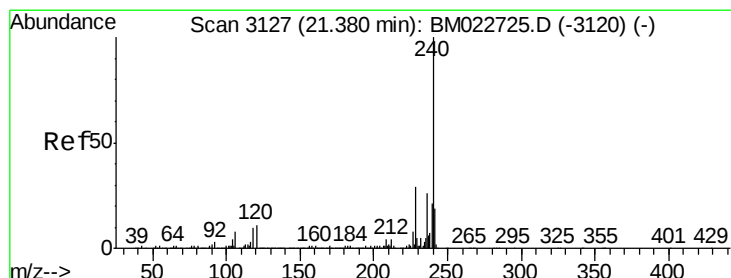
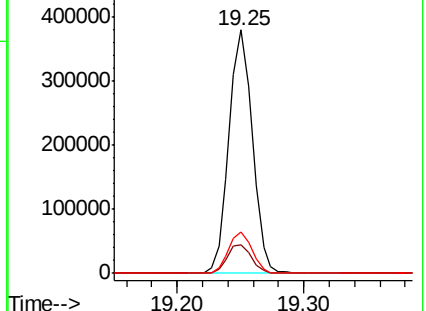
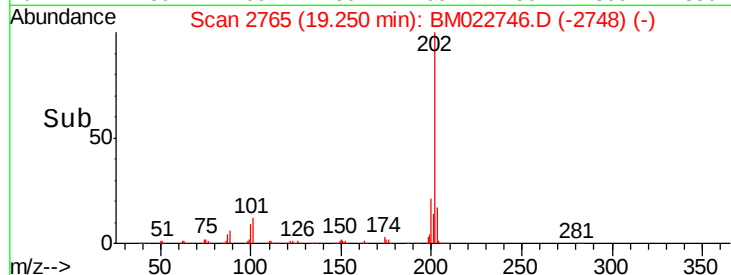
203 17.2 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.37 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

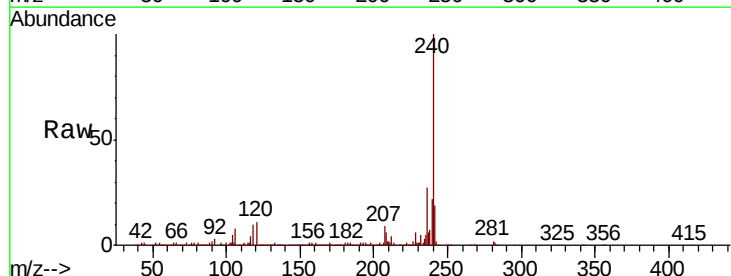
Tgt Ion:240 Resp: 1105404

Ion Ratio Lower Upper

240 100

120 11.4 8.8 13.2

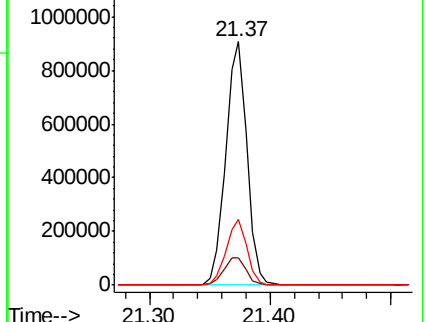
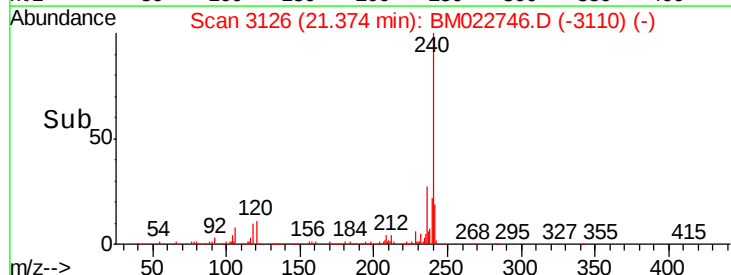
236 26.7 20.8 31.2

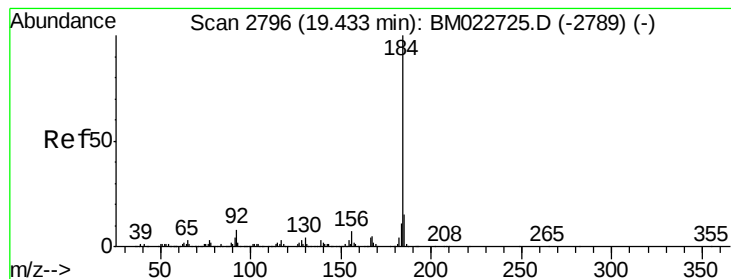


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.535 ng

RT: 19.43 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

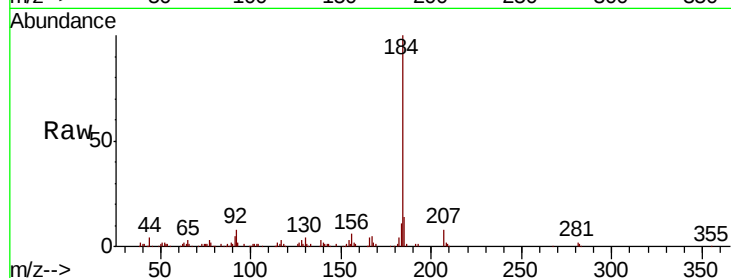
Tot Ion:184 Resp: 198175

Ion Ratio Lower Upper

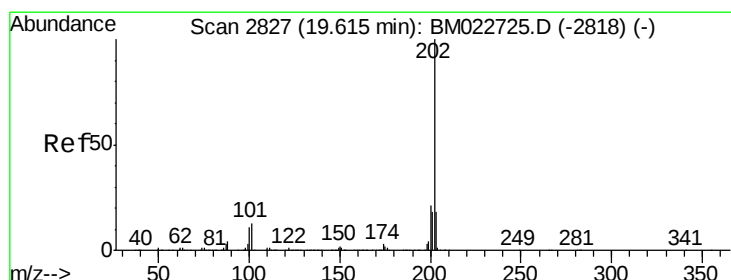
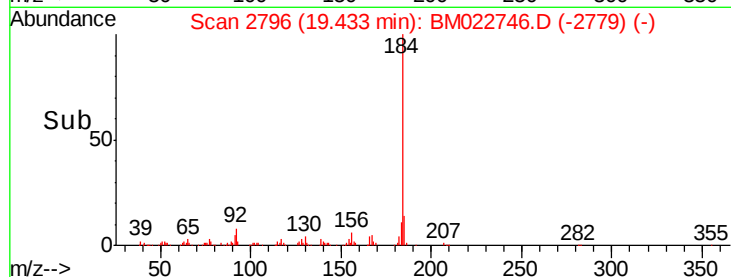
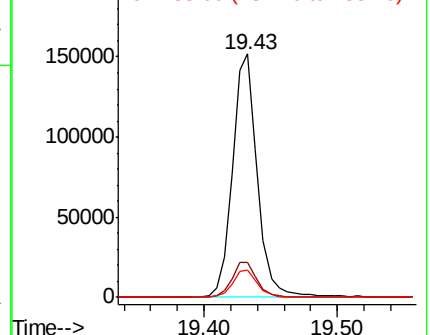
184 100

185 14.4 11.6 17.4

183 11.3 9.1 13.7



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 7.106 ng

RT: 19.61 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

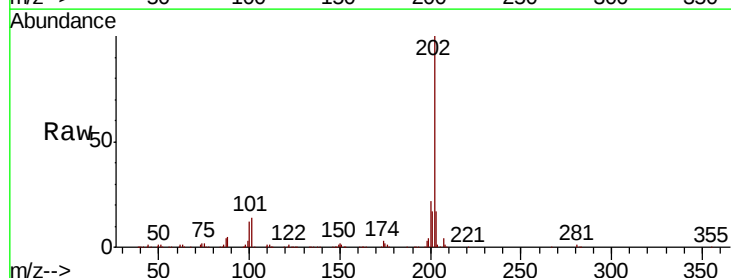
Tgt Ion:202 Resp: 514749

Ion Ratio Lower Upper

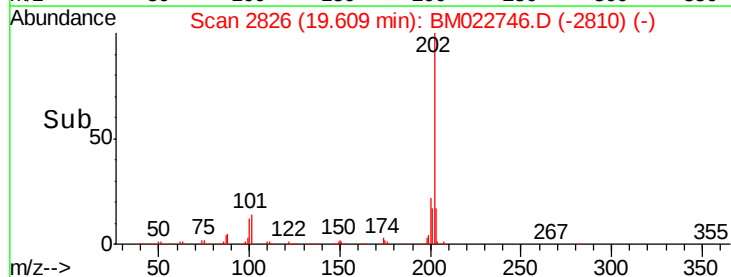
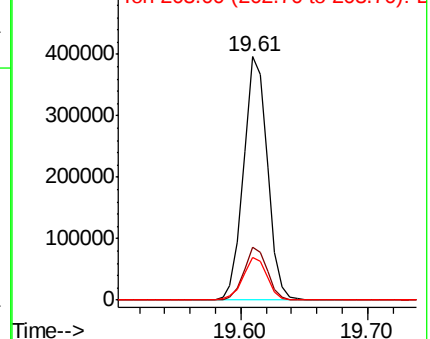
202 100

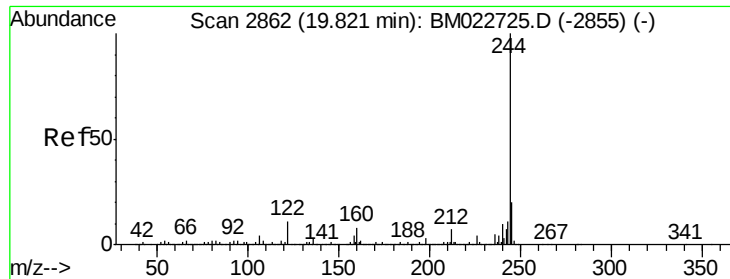
200 21.5 16.7 25.1

203 17.4 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.068 ng

RT: 19.82 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

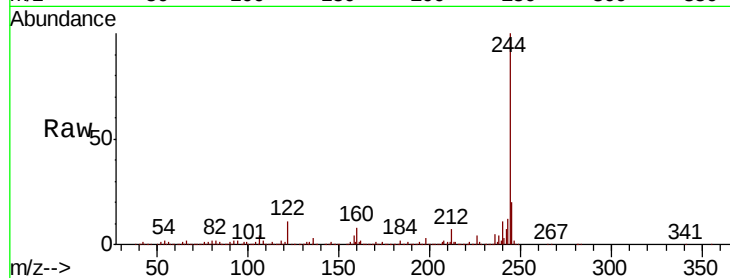
BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:244 Resp: 4228271

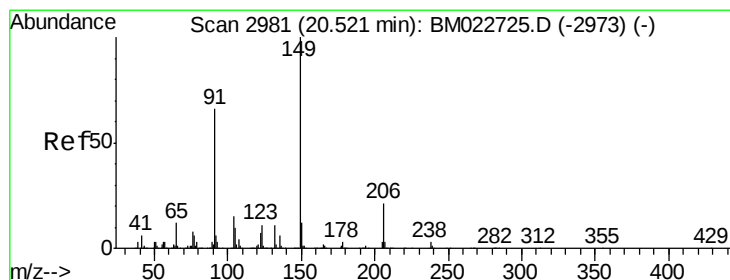
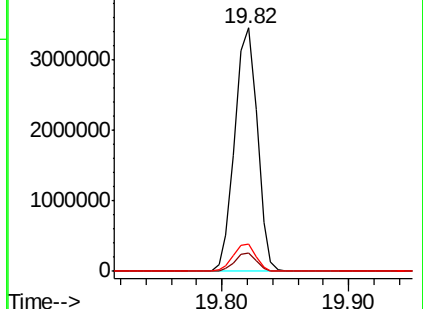
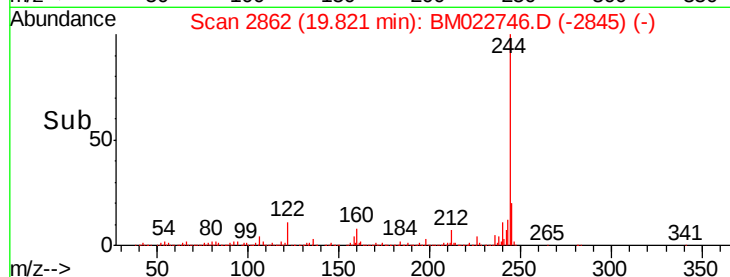
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	11.0	9.0	13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 5.823 ng

RT: 20.52 min Scan# 2980

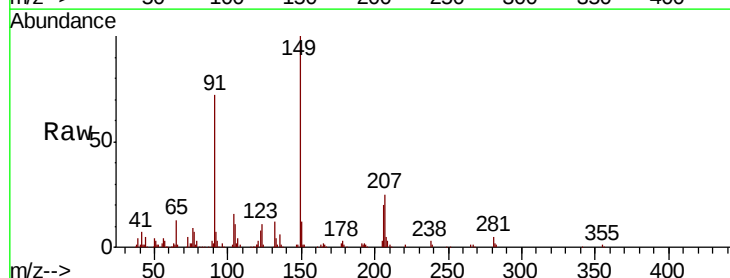
Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Tgt Ion:149 Resp: 160305

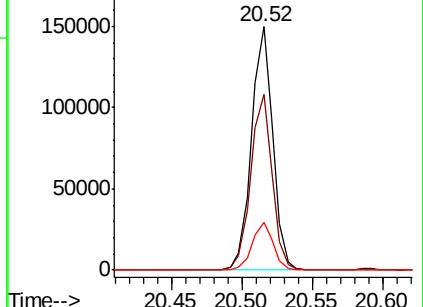
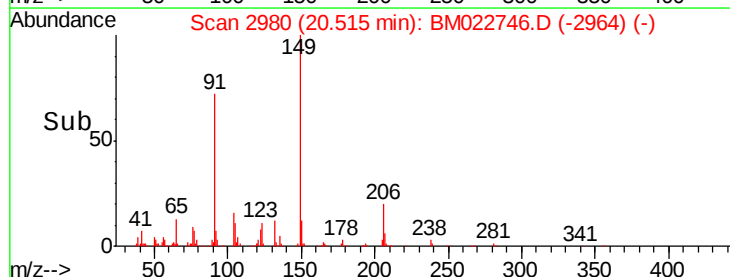
Ion	Ratio	Lower	Upper
149	100		
91	72.2	53.0	79.4
206	19.6	16.9	25.3

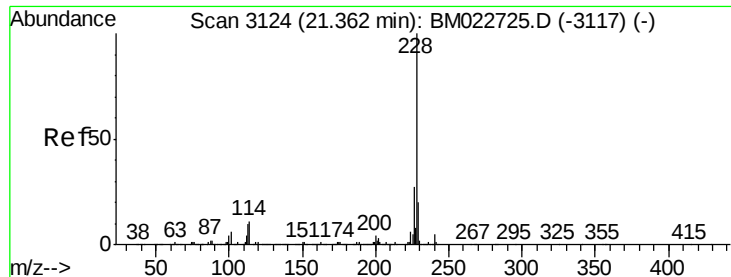


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 7.456 ng

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

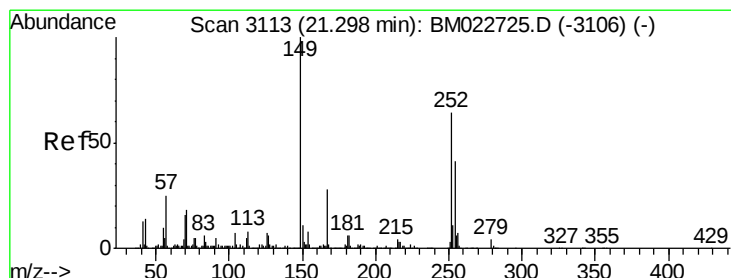
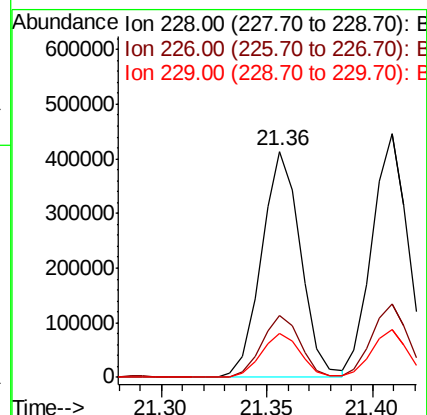
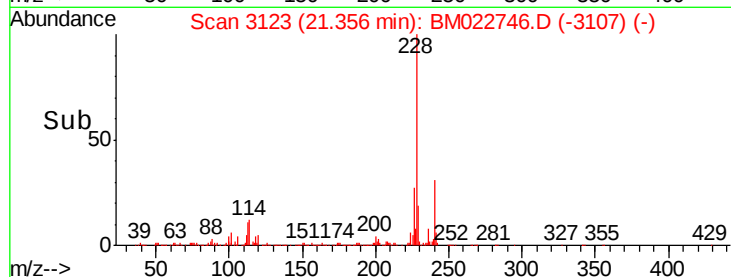
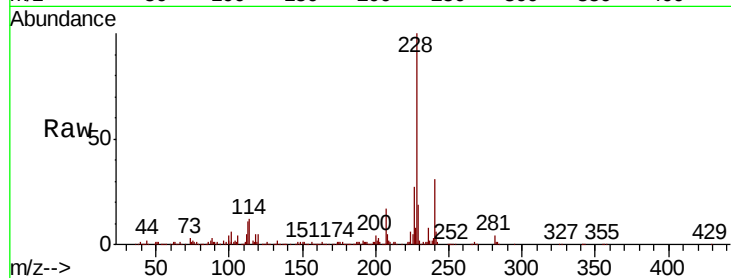
Tot Ion:228 Resp: 534186

Ion Ratio Lower Upper

228 100

226 27.2 22.0 33.0

229 19.5 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 7.085 ng

RT: 21.29 min Scan# 3111

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

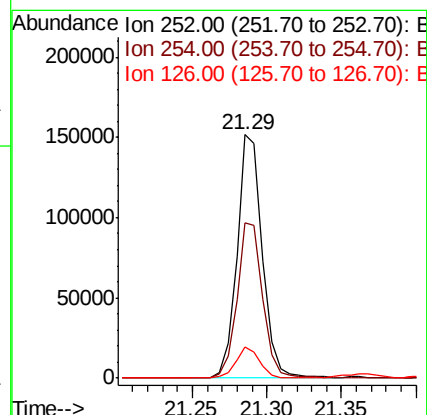
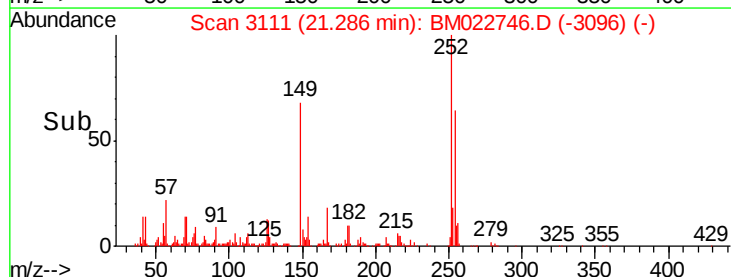
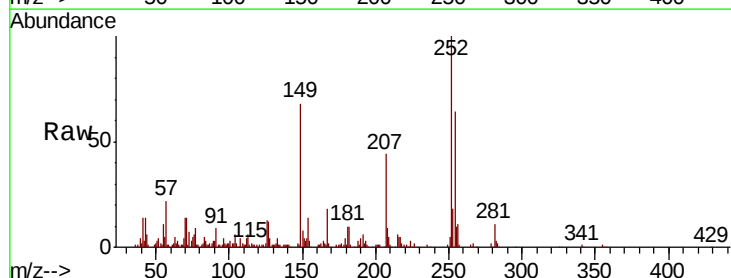
Tgt Ion:252 Resp: 180003

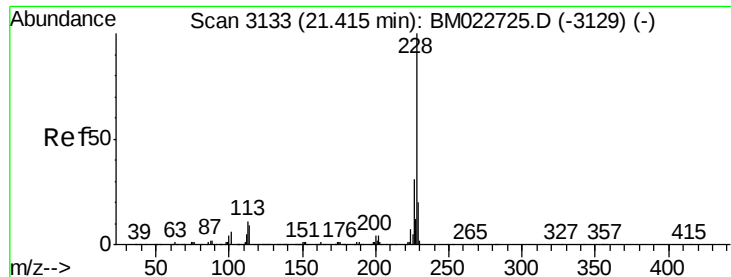
Ion Ratio Lower Upper

252 100

254 64.0 51.7 77.5

126 12.6 8.3 12.5#

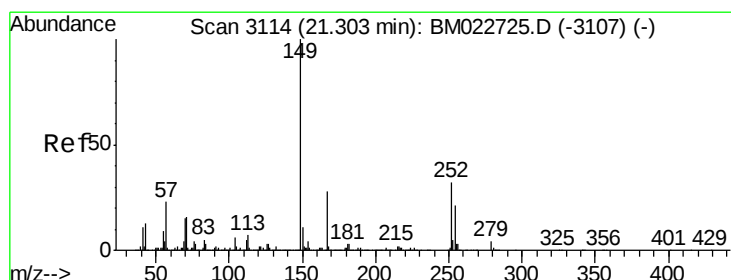
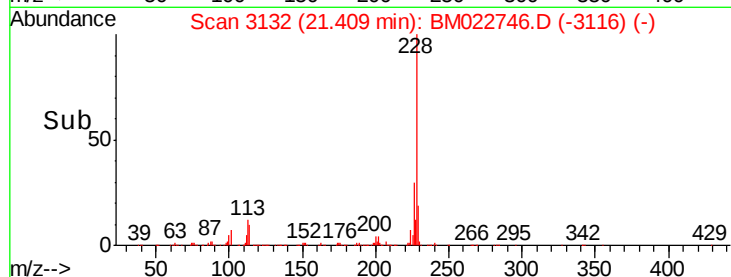
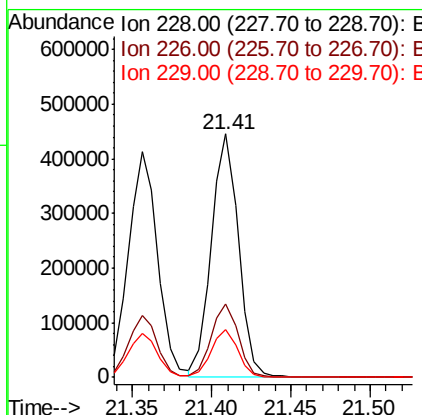
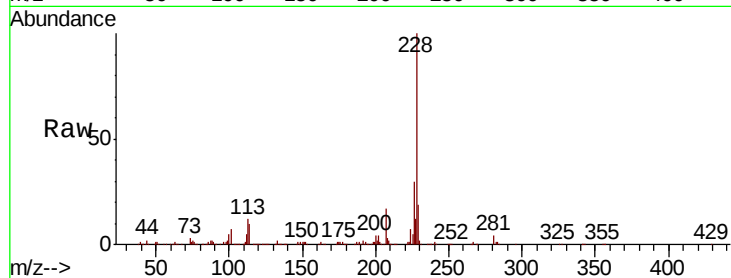




#83
Chrysene
Concen: 7.617 ng
RT: 21.41 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

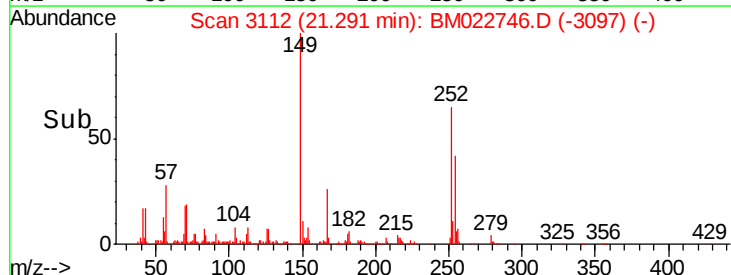
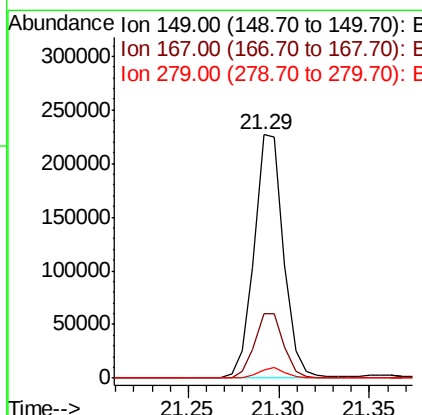
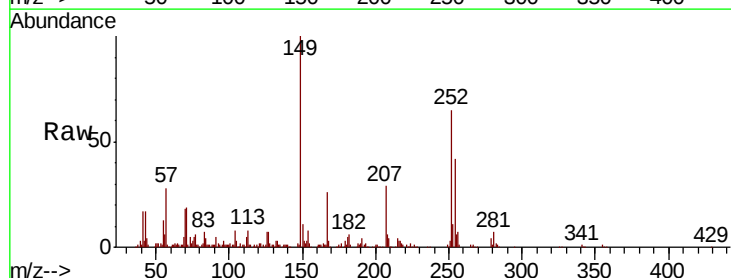
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

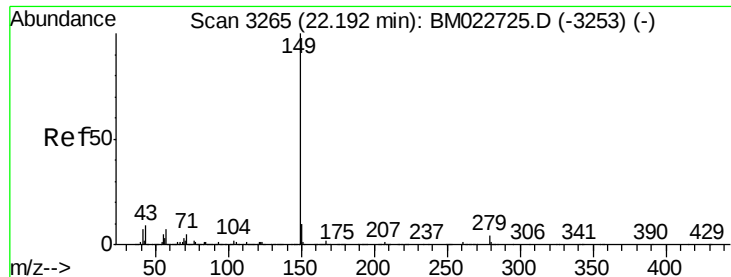
Tot Ion:228 Resp: 529018
Ion Ratio Lower Upper
228 100
226 30.1 24.5 36.7
229 19.4 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.222 ng
RT: 21.29 min Scan# 3112
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:149 Resp: 253827
Ion Ratio Lower Upper
149 100
167 26.3 22.1 33.1
279 3.6 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 6.150 ng

RT: 22.18 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

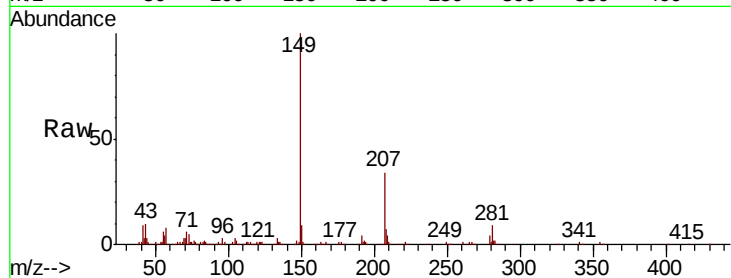
Tot Ion:149 Resp: 399859

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

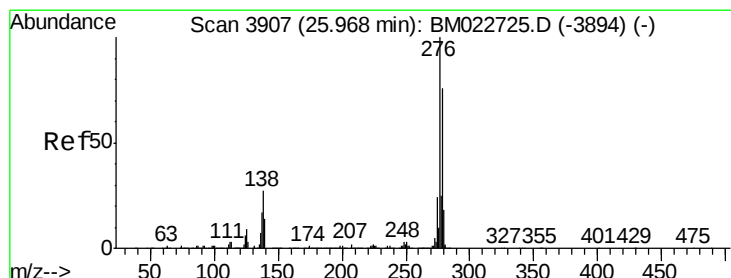
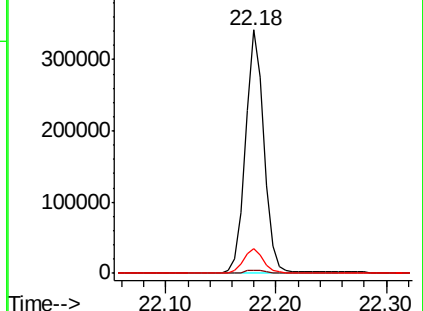
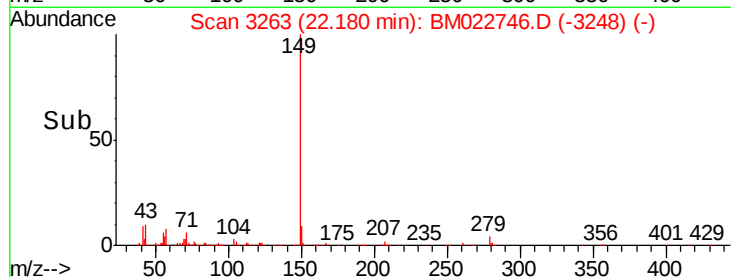
43 10.7 7.4 11.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.170 ng

RT: 25.95 min Scan# 3904

Delta R.T. -0.02 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

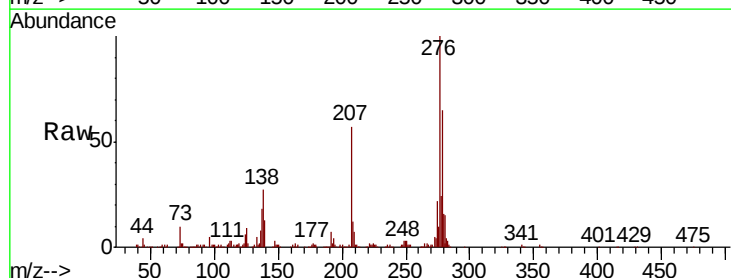
Tgt Ion:276 Resp: 677300

Ion Ratio Lower Upper

276 100

138 27.6 0.0 0.0#

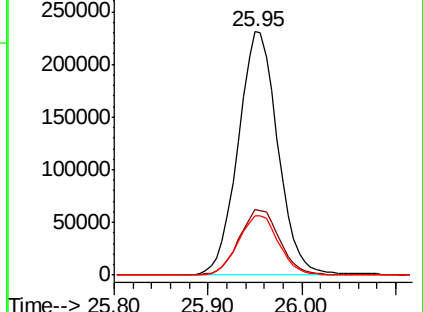
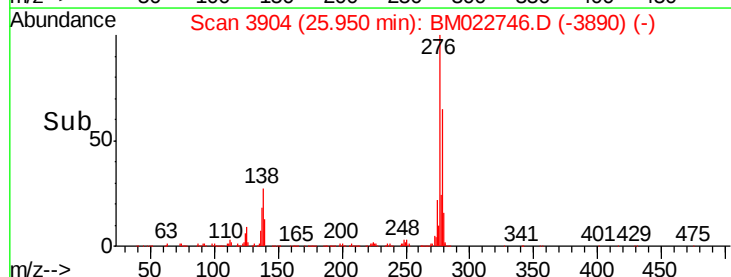
277 25.1 0.0 0.0#

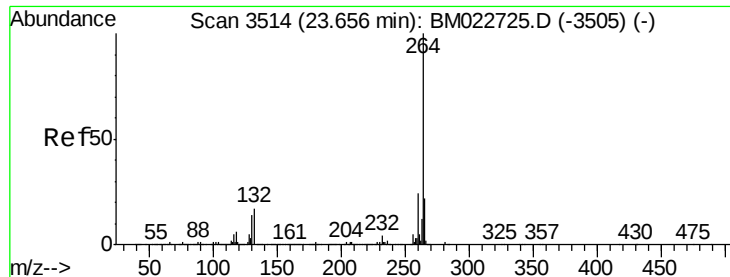


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.65 min Scan# 3513

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

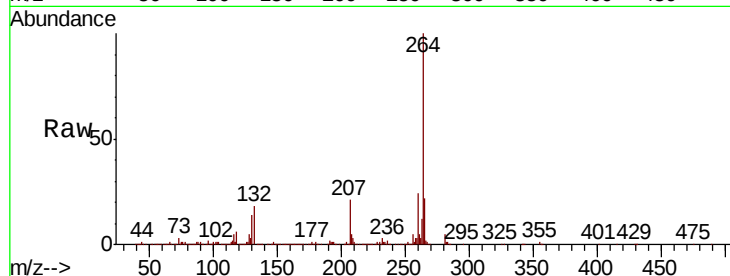
BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:264 Resp: 1271286

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	22.0	17.9	26.9

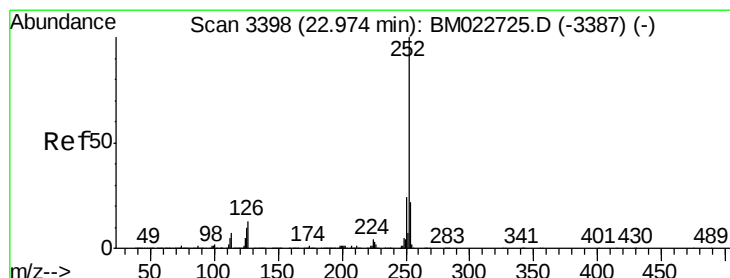
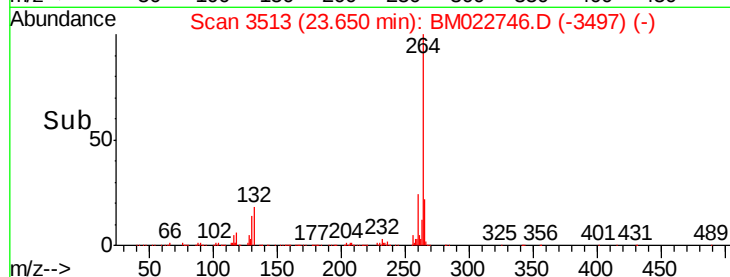
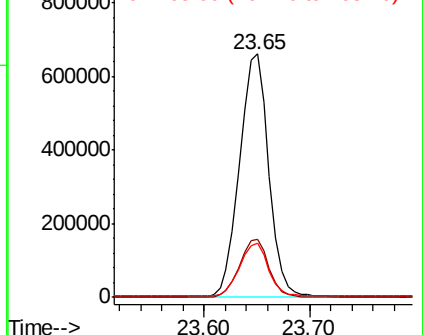


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.428 ng

RT: 22.96 min Scan# 3396

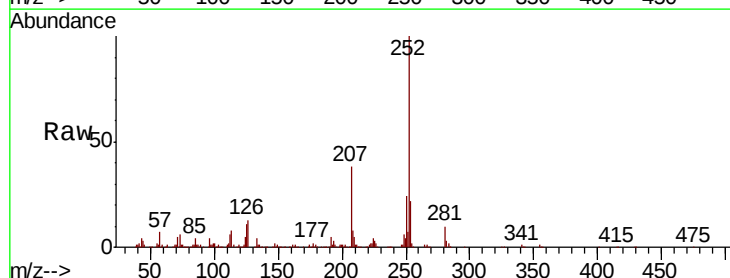
Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Tgt Ion:252 Resp: 571745

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.3	8.2	12.4

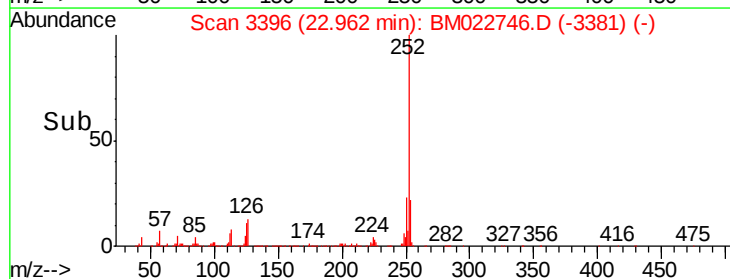
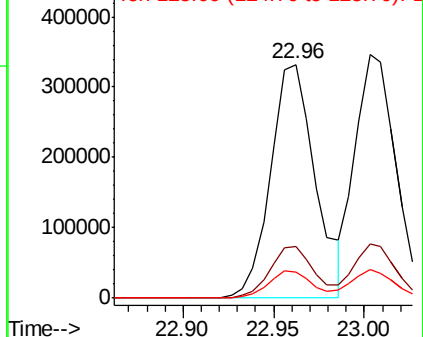


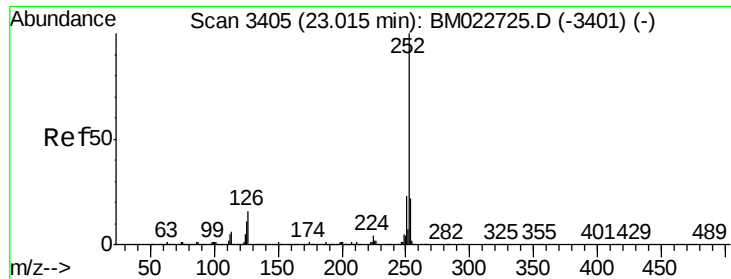
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

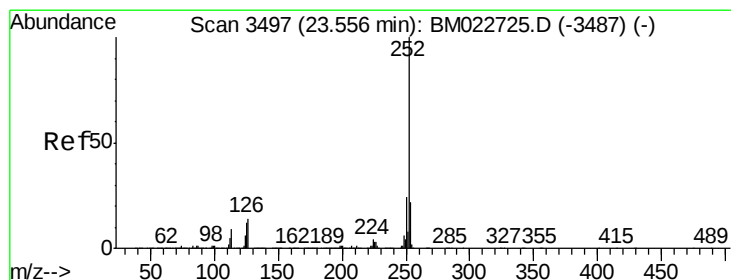
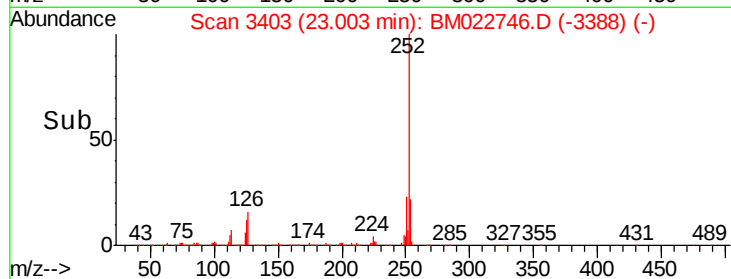
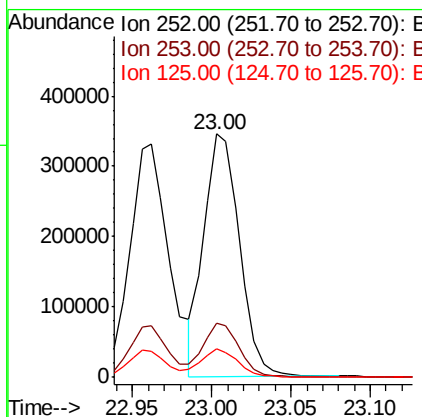
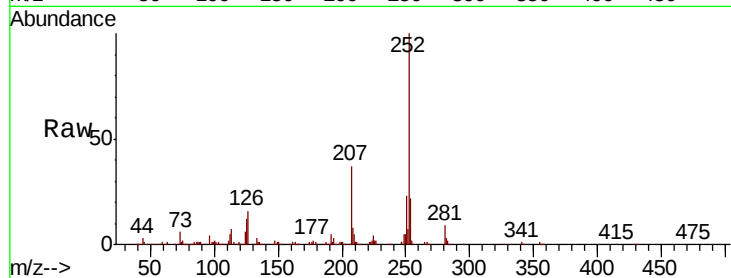




#89
Benzo(k)fluoranthene
Concen: 7.042 ng
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

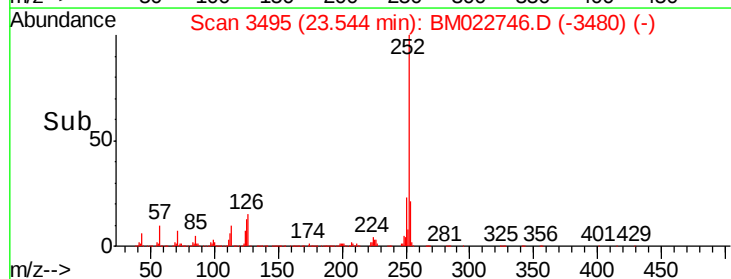
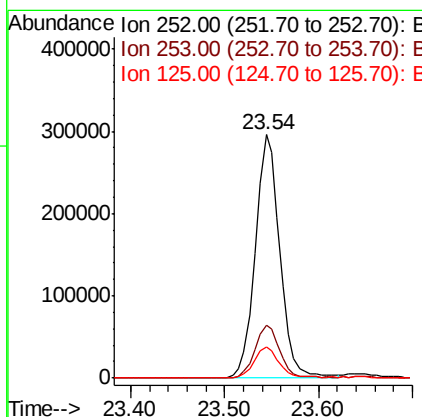
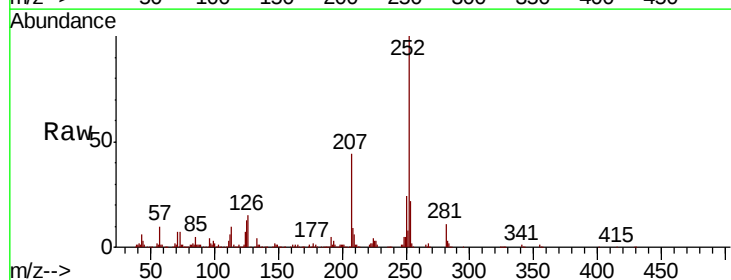
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

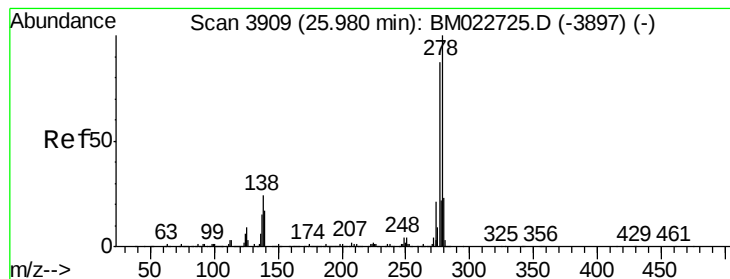
Tot Ion:252 Resp: 537817
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.7 8.5 12.7



#90
Benzo(a)pyrene
Concen: 7.466 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM022746.D
Acq: 23 Sep 2019 18:24

Tgt Ion:252 Resp: 529575
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 12.9 9.3 13.9





#91

Dibenzo(a,h)anthracene

Concen: 7.753 ng

RT: 25.97 min Scan# 3907

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

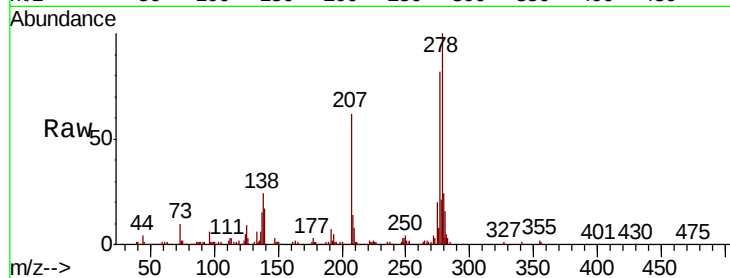
Tot Ion:278 Resp: 575225

Ion Ratio Lower Upper

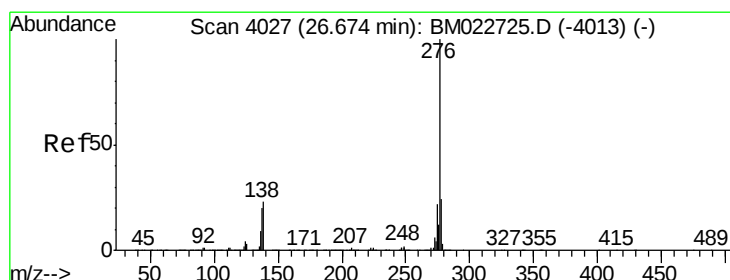
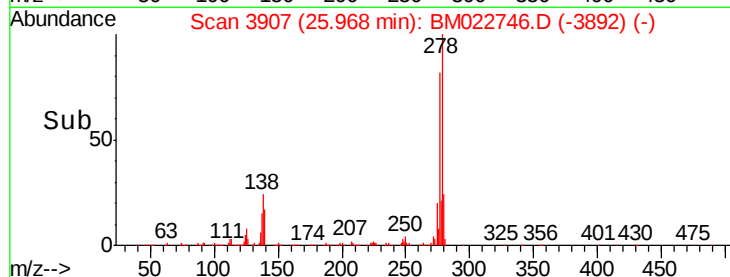
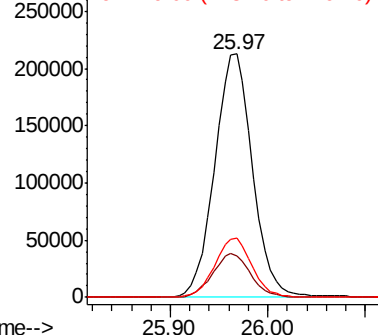
278 100

139 16.9 13.7 20.5

279 24.4 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.877 ng

RT: 26.66 min Scan# 4025

Delta R.T. -0.01 min

Lab File: BM022746.D

Acq: 23 Sep 2019 18:24

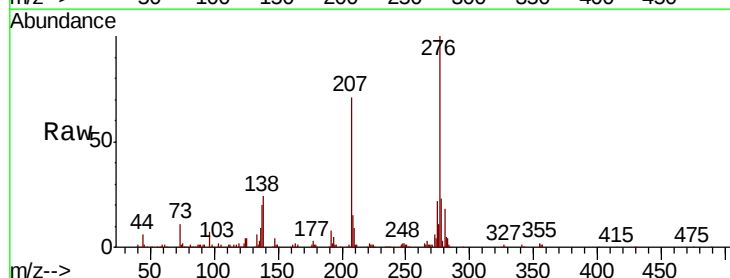
Tgt Ion:276 Resp: 555029

Ion Ratio Lower Upper

276 100

277 23.1 19.1 28.7

138 23.7 18.5 27.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

