

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012420\
 Data File : BM024618.D
 Acq On : 24 Jan 2020 13:07
 Operator : CG/JU
 Sample : K5111-03
 Misc : 8 PPM MDL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:13:08 AM

Quant Time: Jan 24 17:02:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	207216	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	859603	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	611590	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1437447	20.00	ng	0.00
76) Chrysene-d12	21.05	240	1548833	20.00	ng	0.00
87) Perylene-d12	23.16	264	1724049	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	1433374	131.55	ng	0.00
7) Phenol-d6	6.64	99	1908026	127.12	ng	0.00
23) Nitrobenzene-d5	8.58	82	1298815	74.10	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	1254071	126.06	ng	0.00
45) 2-Fluorobiphenyl	12.70	172	3299083	73.34	ng	0.00
79) Terphenyl-d14	19.50	244	6740047	81.24	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.08	88	34412	7.984	ng	98
3) Pyridine	3.46	79	100961	8.080	ng	97
4) n-Nitrosodimethylamine	3.37	42	41690	7.517	ng	# 97
6) Aniline	6.78	93	141655	7.752	ng	97
8) 2-Chlorophenol	7.02	128	96162	7.753	ng	96
9) Benzaldehyde	6.60	77	64694	7.294	ng	96
10) Phenol	6.66	94	116644	7.796	ng	97
11) bis(2-Chloroethyl)ether	6.88	93	93040	7.768	ng	93
12) 1,3-Dichlorobenzene	7.33	146	119171	7.821	ng	99
13) 1,4-Dichlorobenzene	7.48	146	120318	7.783	ng	99
14) 1,2-Dichlorobenzene	7.79	146	119599	8.015	ng	99
15) Benzyl Alcohol	7.68	79	93695	7.571	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.98	45	87359	7.967	ng	97
17) 2-Methylphenol	7.89	107	78000	7.398	ng	96
18) Hexachloroethane	8.50	117	46310	7.758	ng	95
19) n-Nitroso-di-n-propylamine	8.25	70	88160	7.823	ng	95
20) 3+4-Methylphenols	8.22	107	108064	7.404	ng	97
22) Acetophenone	8.25	105	168116	7.585	ng	98
24) Nitrobenzene	8.62	77	134428	8.003	ng	98
25) Isophorone	9.15	82	226534	7.606	ng	98
26) 2-Nitrophenol	9.33	139	52224	6.714	ng	98
27) 2,4-Dimethylphenol	9.40	122	76488	7.237	ng	93
28) bis(2-Chloroethoxy)methane	9.63	93	136175	7.485	ng	99
29) 2,4-Dichlorophenol	9.86	162	99259	6.951	ng	100
30) 1,2,4-Trichlorobenzene	10.07	180	128512	7.462	ng	96
31) Naphthalene	10.25	128	325219	7.491	ng	99
32) Benzoic acid	9.49	122	58717m	6.073	ng	
33) 4-Chloroaniline	10.36	127	138341	7.269	ng	98
34) Hexachlorobutadiene	10.55	225	88858	7.464	ng	99
35) Caprolactam	11.12	113	31872	6.957	ng	100
36) 4-Chloro-3-methylphenol	11.50	107	105210	6.929	ng	99
37) 2-Methylnaphthalene	11.87	142	244341	7.293	ng	99
38) 1-Methylnaphthalene	12.10	142	235344	7.384	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.26	216	160182	7.338	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.25	237	83476	6.823	nq	99
43) 2,4,6-Trichlorophenol	12.50	196	94211	6.783	nq	99
44) 2,4,5-Trichlorophenol	12.57	196	99159	6.990	nq	98
46) 1,1'-Biphenyl	12.92	154	349295	7.547	nq	99
47) 2-Chloronaphthalene	12.95	162	281397	7.531	nq	98
48) 2-Nitroaniline	13.16	65	78351	6.875	nq	96
49) Acenaphthylene	13.80	152	419044	7.492	nq	99
50) Dimethylphthalate	13.56	163	374538	7.573	nq	99
51) 2,6-Dinitrotoluene	13.67	165	74953	7.129	nq	98
52) Acenaphthene	14.15	154	255399	7.358	nq	100
53) 3-Nitroaniline	13.99	138	73403	6.731	nq	98
54) 2,4-Dinitrophenol	14.20	184	32322	5.141	nq	98
55) Dibenzofuran	14.49	168	422738	7.468	nq	99
56) 4-Nitrophenol	14.32	139	54752	6.423	nq	98
57) 2,4-Dinitrotoluene	14.46	165	101323	6.724	nq	97
58) Fluorene	15.15	166	340803	7.164	nq	98
59) 2,3,4,6-Tetrachlorophenol	14.73	232	101922	7.085	nq	99
60) Diethylphthalate	14.95	149	374956	7.468	nq	99
61) 4-Chlorophenyl-phenylether	15.15	204	198261	7.229	nq	96
62) 4-Nitroaniline	15.16	138	81162	6.742	nq	98
63) Azobenzene	15.45	77	321353	7.504	nq	98
65) 4,6-Dinitro-2-methylphenol	15.23	198	48016	5.681	nq	99
66) n-Nitrosodiphenylamine	15.37	169	299503	7.254	nq	98
67) 4-Bromophenyl-phenylether	16.05	248	128082	7.165	nq	95
68) Hexachlorobenzene	16.16	284	151972	7.408	nq	99
69) Atrazine	16.33	200	111280	7.021	nq	97
70) Pentachlorophenol	16.50	266	78904	6.315	nq	99
71) Phenanthrene	16.88	178	570056	7.323	nq	99
72) Anthracene	16.97	178	547700	7.191	nq	100
73) Carbazole	17.25	167	497581	7.176	nq	100
74) Di-n-butylphthalate	17.84	149	628616	7.092	nq	99
75) Fluoranthene	18.90	202	710054	7.309	nq	99
77) Benzidine	19.10	184	251120	6.962	nq	97
78) Pyrene	19.27	202	746497	7.311	nq	98
80) Butylbenzylphthalate	20.21	149	279981	6.535	nq	97
81) Benzo(a)anthracene	21.03	228	787192	7.323	nq	100
82) 3,3'-Dichlorobenzidine	20.97	252	260364	6.733	nq	100
83) Chrysene	21.09	228	762774	7.436	nq	100
84) Bis(2-ethylhexyl)phthalate	21.01	149	419407	6.634	nq	98
85) Di-n-octyl phthalate	21.86	149	680585	6.516	nq	98
86) Indeno(1,2,3-cd)pyrene	25.22	276	818067	7.317	nq	100
88) Benzo(b)fluoranthene	22.54	252	770564	6.891	nq	98
89) Benzo(k)fluoranthene	22.58	252	786792	7.209	nq	99
90) Benzo(a)pyrene	23.07	252	704061	6.925	nq	100
91) Dibenzo(a,h)anthracene	25.23	278	677338	7.020	nq	99
92) Benzo(g,h,i)perylene	25.84	276	614778	7.017	nq	100

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

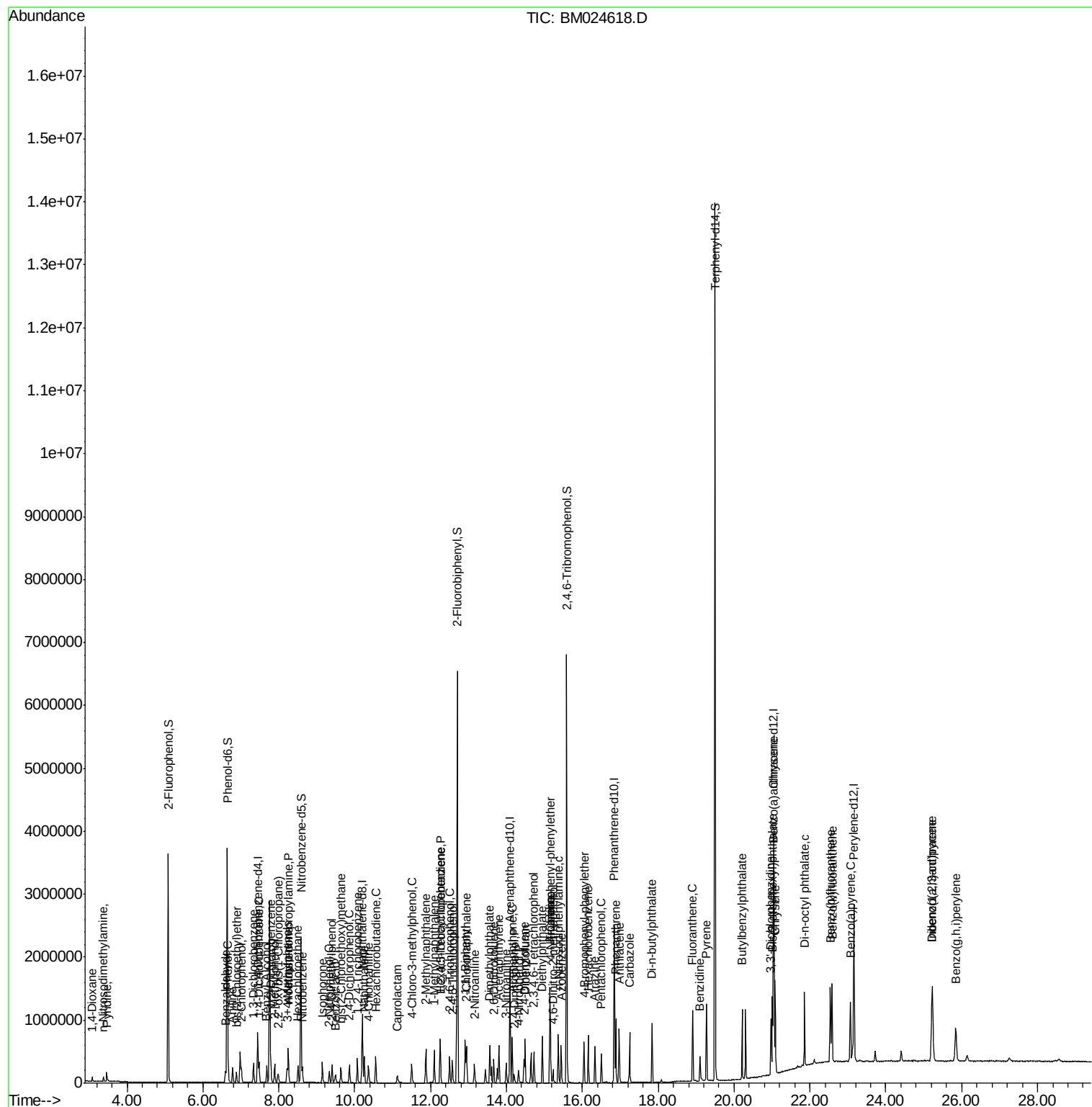
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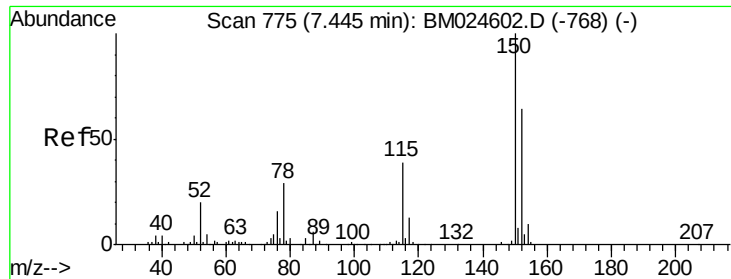
Instrument :
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ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

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#1

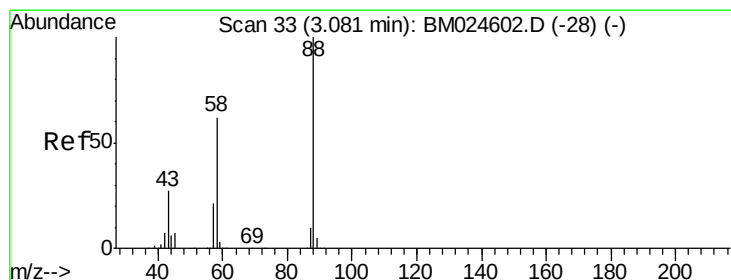
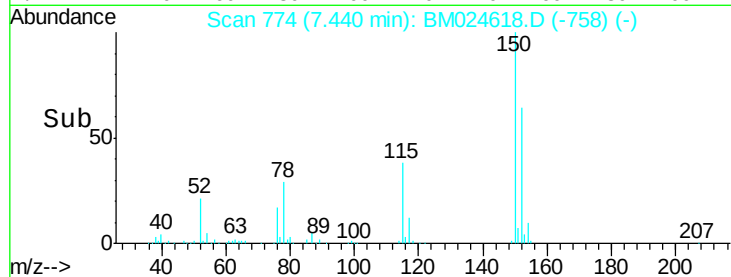
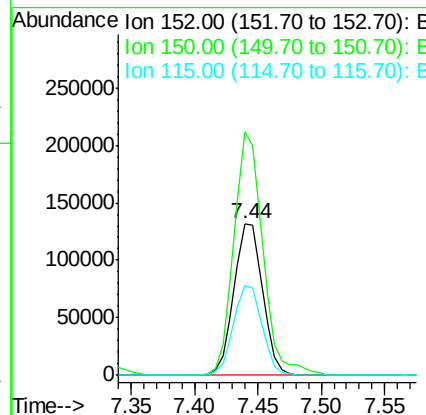
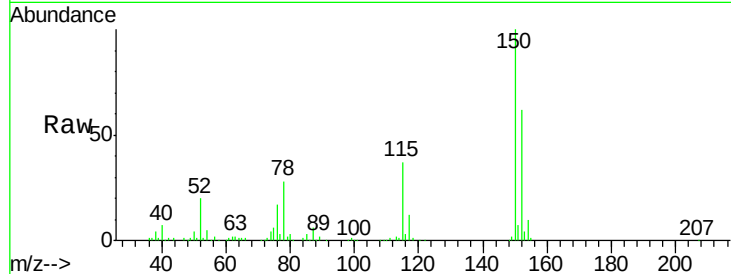
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.44 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.2	186.4
115	59.2	48.6	72.8

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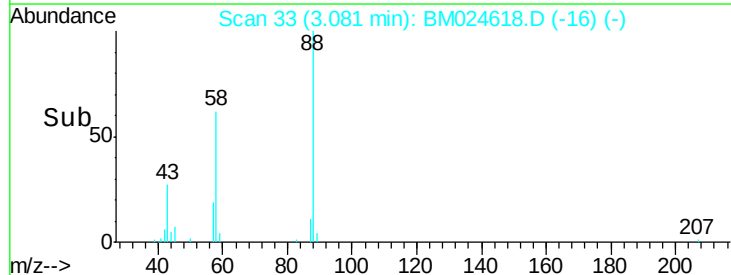
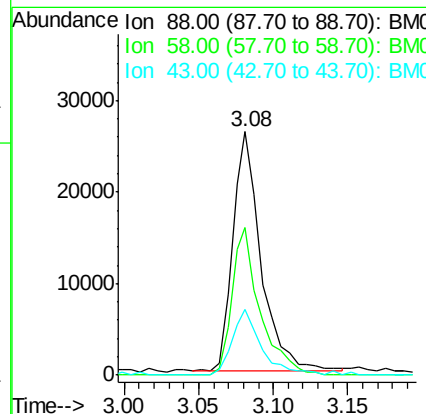
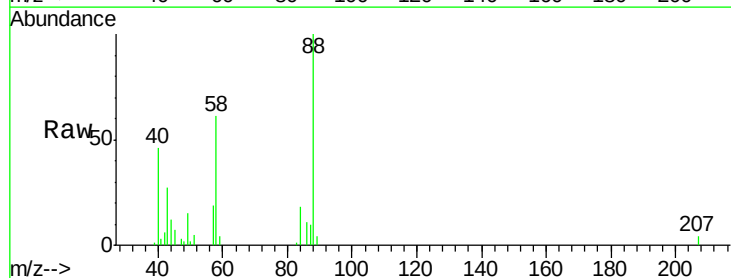
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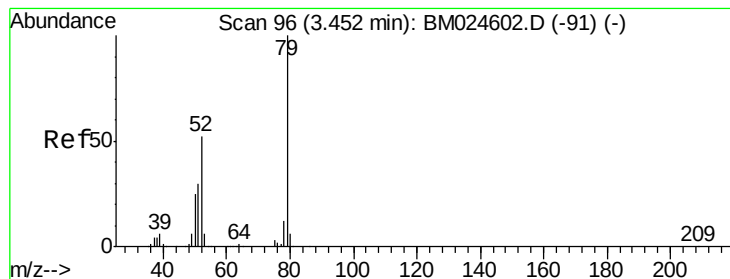


#2

1,4-Dioxane
Concen: 7.984 ng
RT: 3.08 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	61.5	50.0	75.0
43	28.5	21.6	32.4





#3

Pvridine

Concen: 8.080 ng

RT: 3.46 min Scan# 97

Delta R.T. 0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

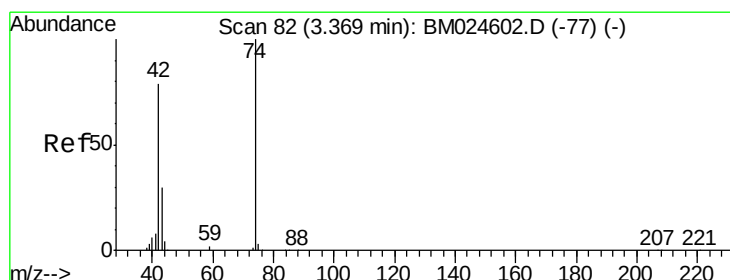
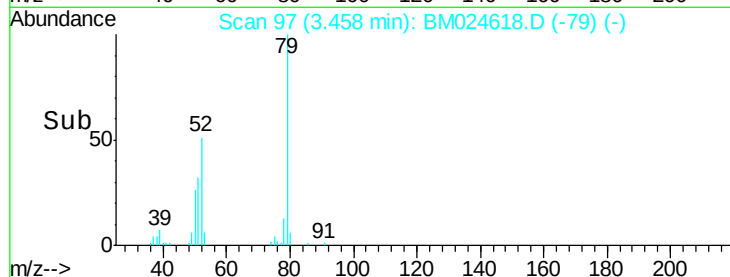
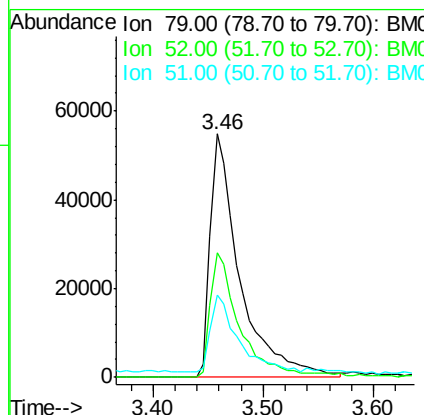
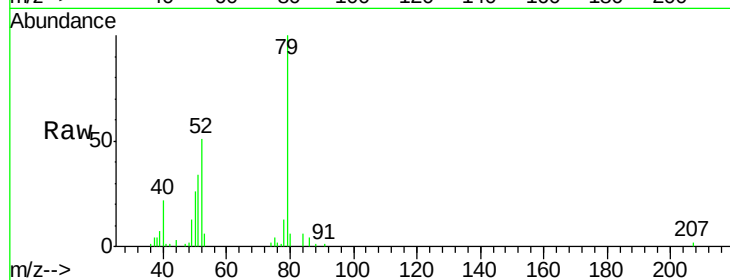
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	79	Resp:	100961
Ion Ratio	Lower	Upper	
79	100		
52	51.0	41.4	62.2
51	33.8	23.8	35.8

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#4

n-Nitrosodimethylamine

Concen: 7.517 ng

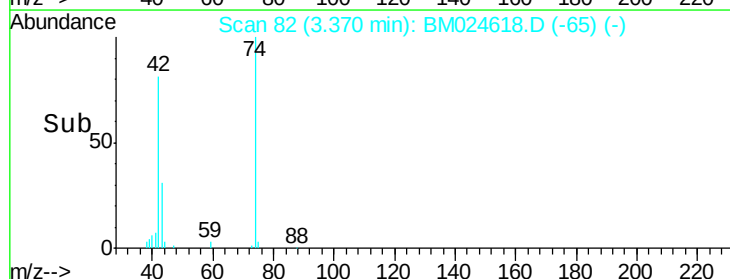
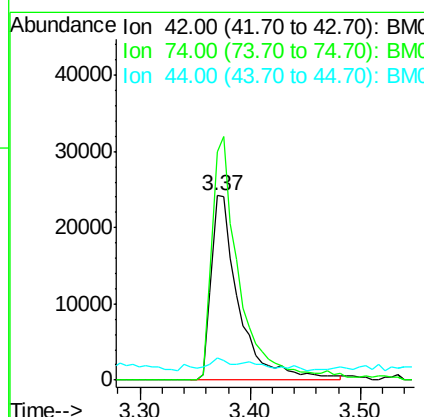
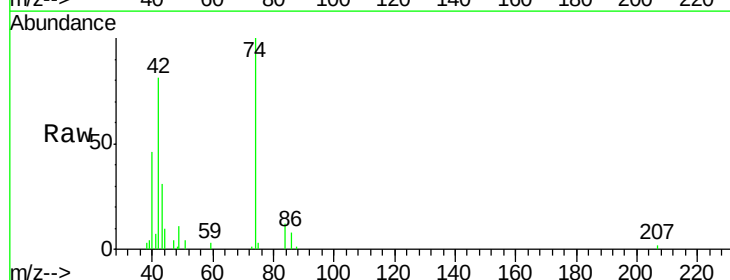
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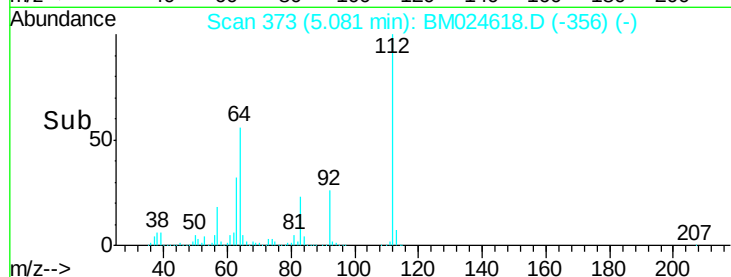
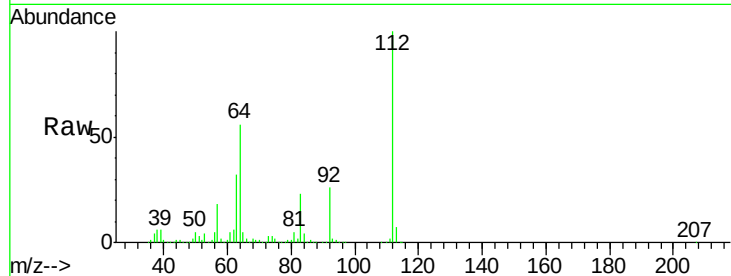
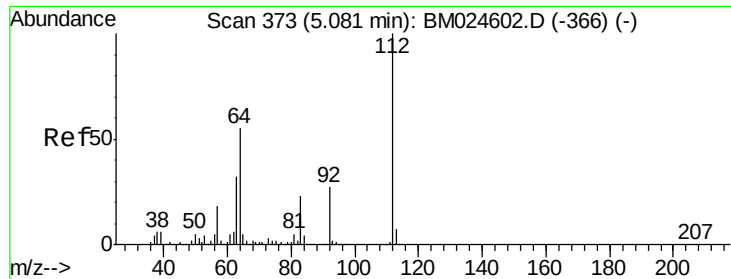
Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion:	42	Resp:	41690
Ion Ratio	Lower	Upper	
42	100		
74	124.0	101.4	152.2
44	12.1	4.6	6.8#





#5

2-Fluorophenol

Concen: 131.550 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tot Ion:	112	Resp:	1433374
Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.2	66.4
63	32.2	25.9	38.9

Instrument :

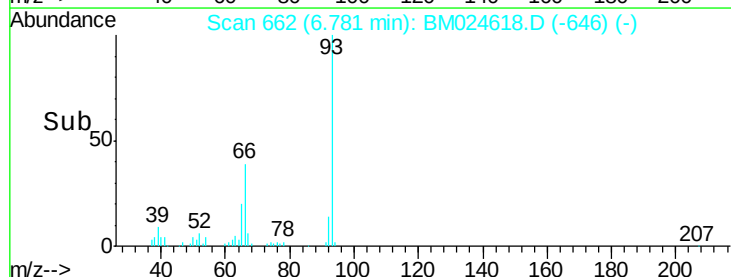
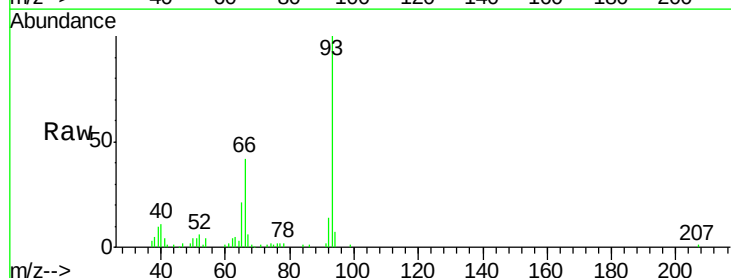
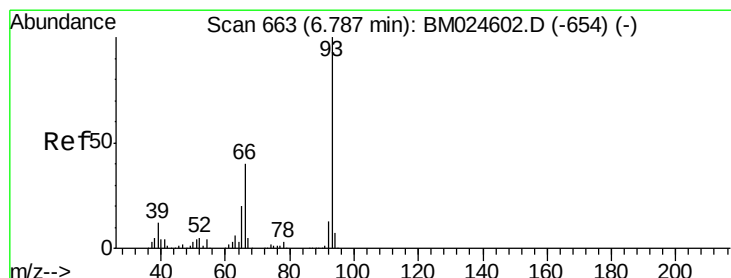
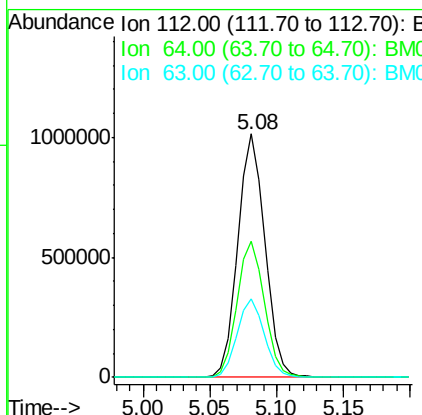
BNA_M

ClientSampleId :

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#6

Aniline

Concen: 7.752 ng

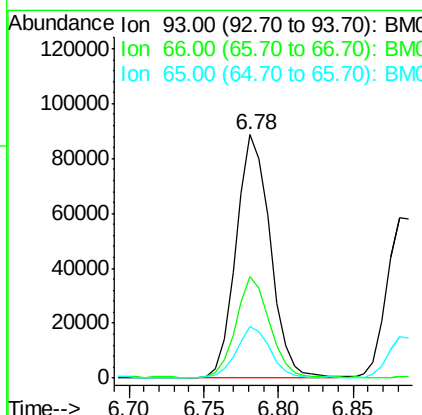
RT: 6.78 min Scan# 662

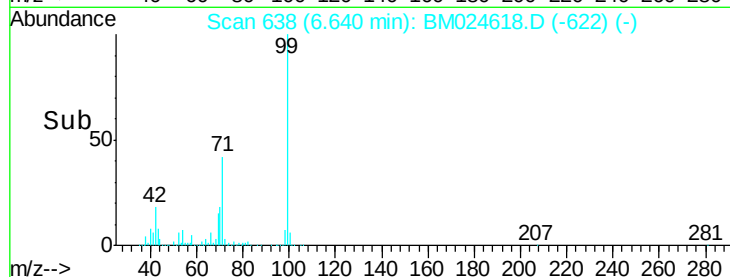
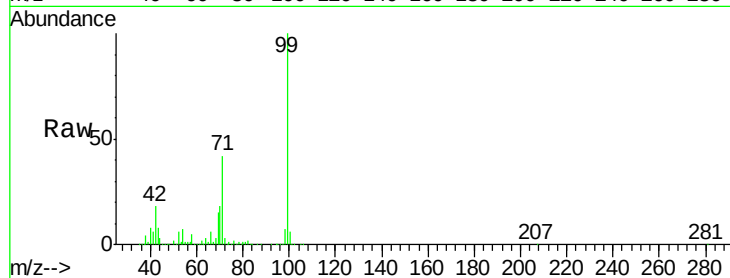
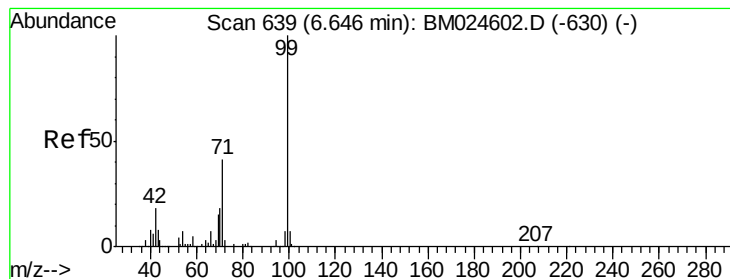
Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion:	93	Resp:	141655
Ion	Ratio	Lower	Upper
93	100		
66	41.8	31.8	47.8
65	21.3	15.8	23.6





#7

Phenol-d6

Concen: 127.117 ng

RT: 6.64 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tot Ion: 99 Resp: 1908026

Ion Ratio Lower Upper

99 100

42 17.5 14.1 21.1

71 41.6 33.0 49.6

Instrument :

BNA_M

ClientSampleId :

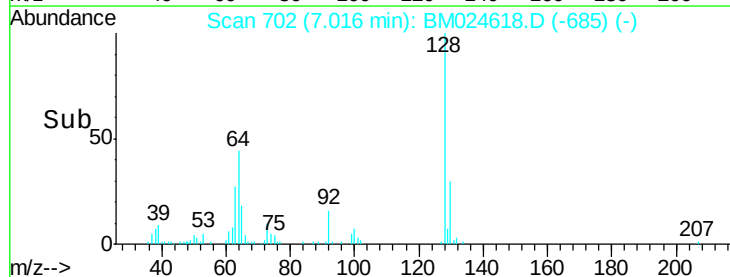
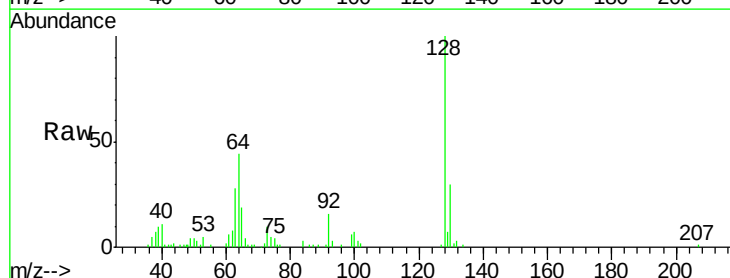
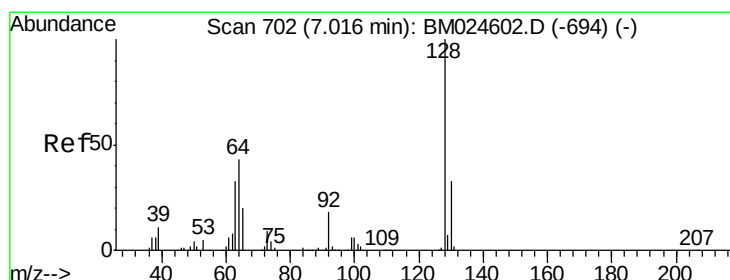
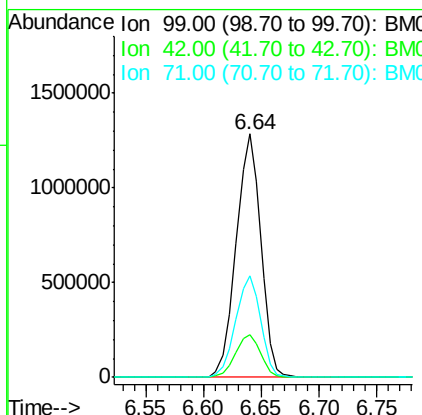
MDL-MDL-SOIL-03-QT4-2019

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#8

2-Chlorophenol

Concen: 7.753 ng

RT: 7.02 min Scan# 702

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

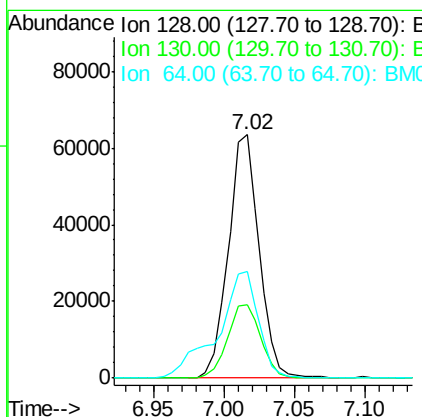
Tgt Ion:128 Resp: 96162

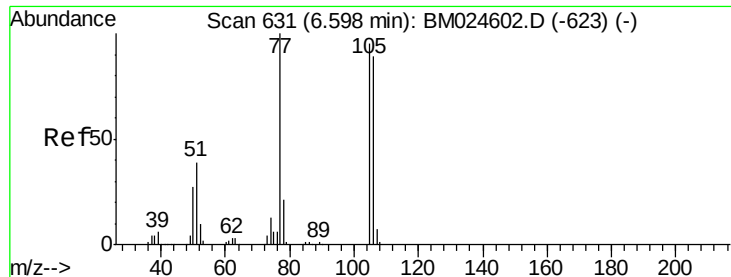
Ion Ratio Lower Upper

128 100

130 30.3 12.5 52.5

64 43.7 26.1 66.1





#9

Benzaldehyde

Concen: 7.294 ng

RT: 6.60 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

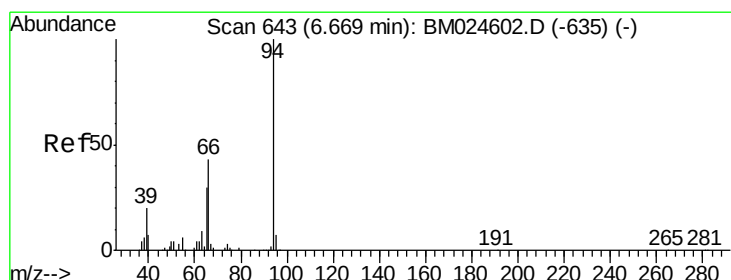
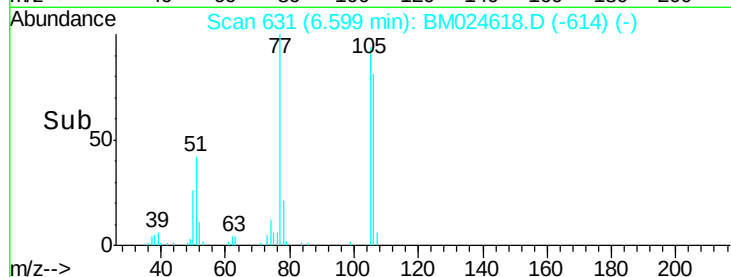
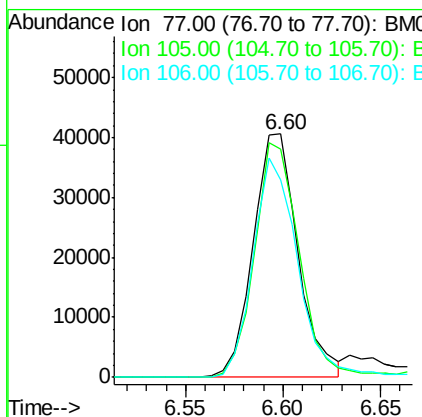
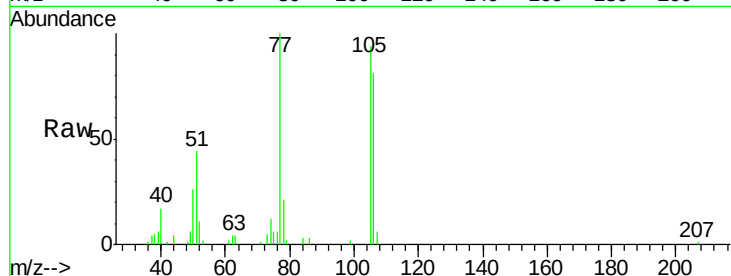
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	93.9	75.2	115.2		
106	81.3	68.6	108.6		

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#10

Phenol

Concen: 7.796 ng

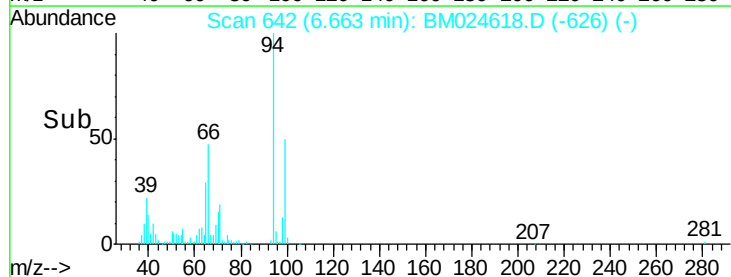
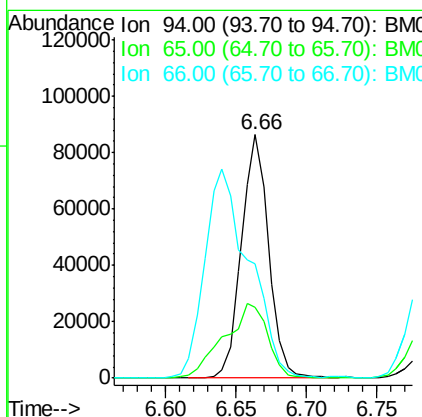
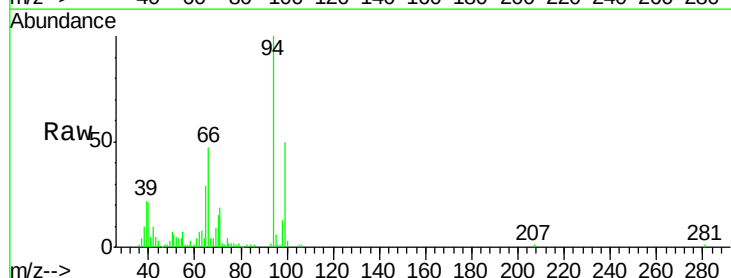
RT: 6.66 min Scan# 642

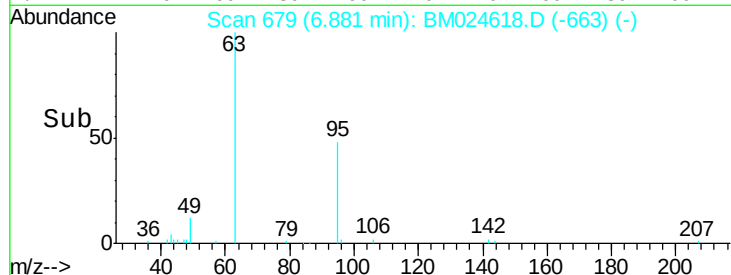
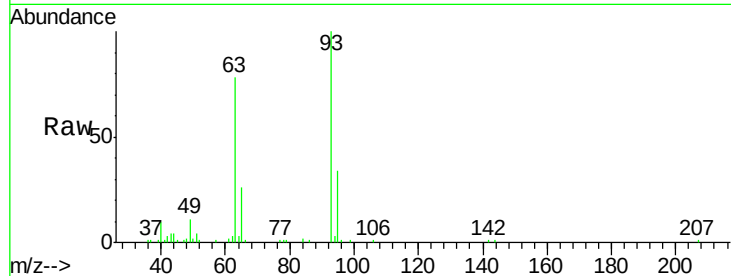
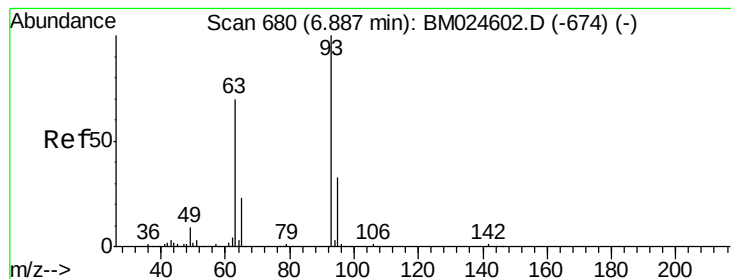
Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	29.0	10.3	50.3		
66	47.2	24.8	64.8		





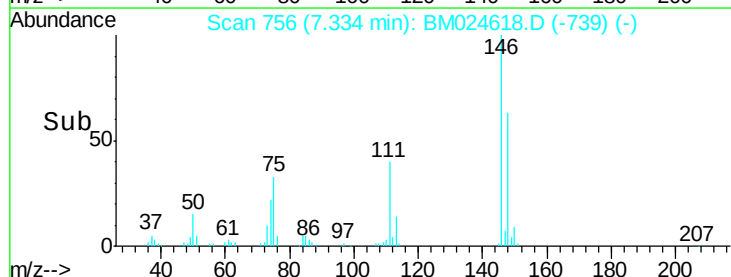
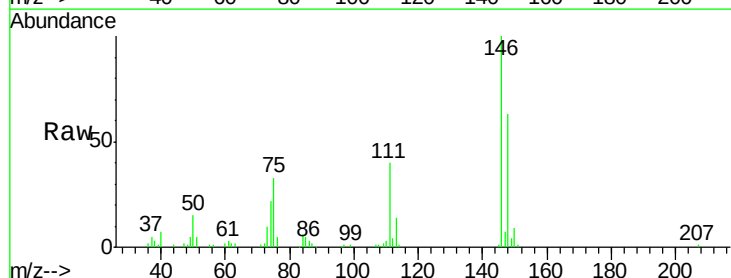
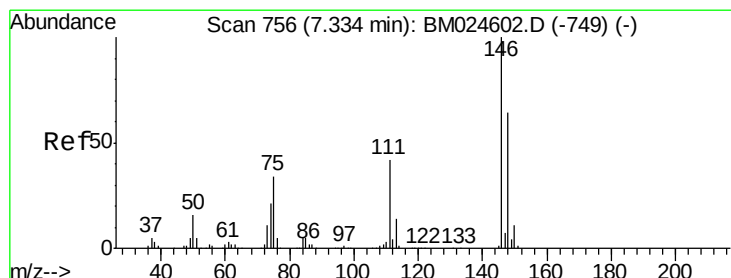
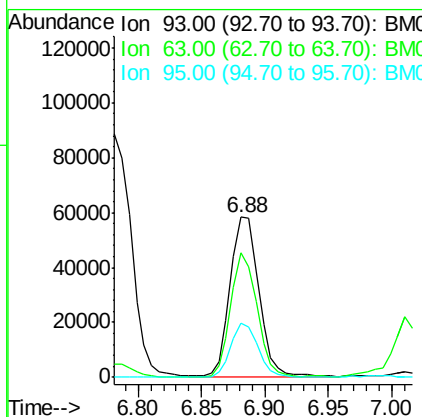
#11
bis(2-Chloroethyl)ether
Concen: 7.768 ng
RT: 6.88 min Scan# 679
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tot Ion:	93	Resp:	93040
Ion	Ratio	Lower	Upper
93	100		
63	77.9	49.6	89.6
95	33.6	12.6	52.6

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

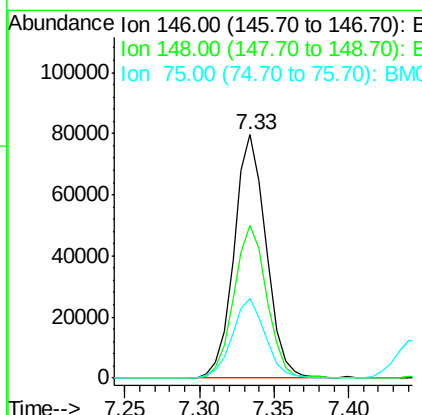
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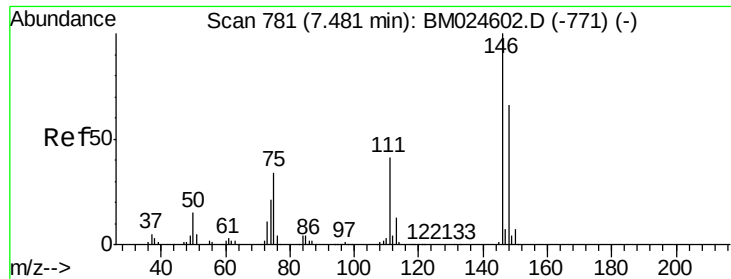
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#12
1,3-Dichlorobenzene
Concen: 7.821 ng
RT: 7.33 min Scan# 756
Delta R.T. 0.00 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:	146	Resp:	119171
Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.6
75	32.5	27.0	40.4





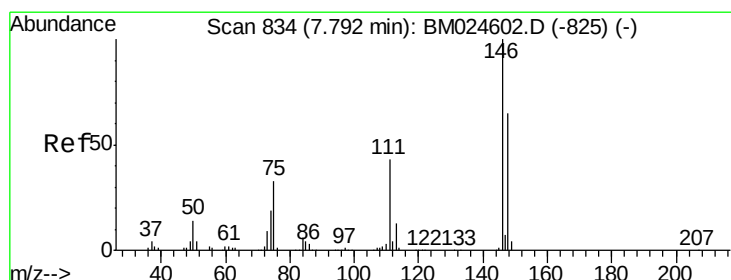
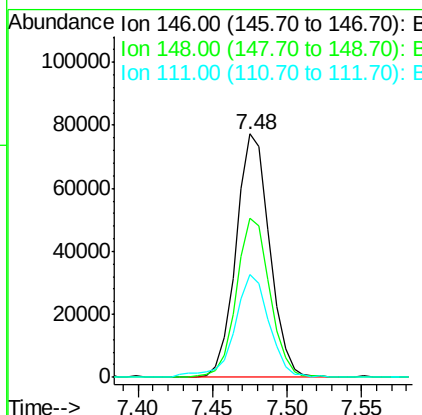
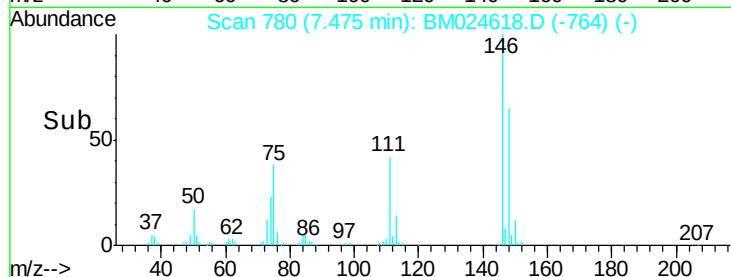
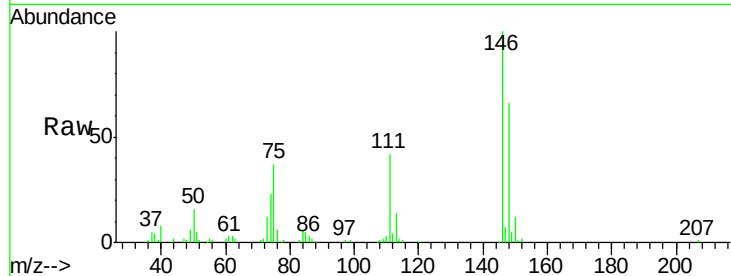
#13
 1,4-Dichlorobenzene
 Concen: 7.783 ng
 RT: 7.48 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.5	78.7
111	42.2	33.0	49.4

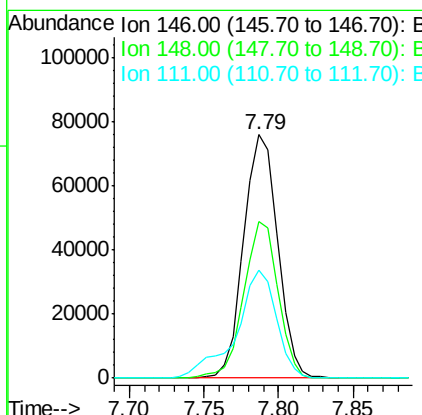
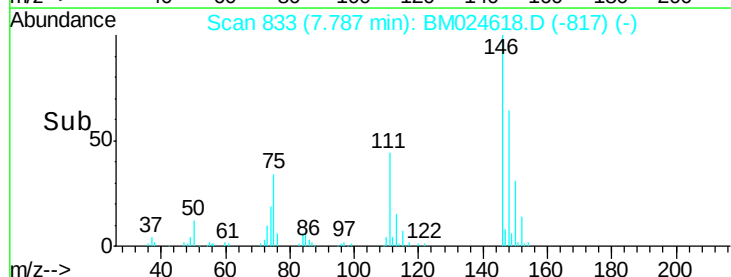
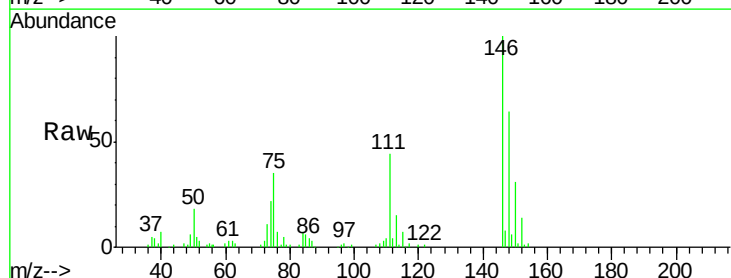
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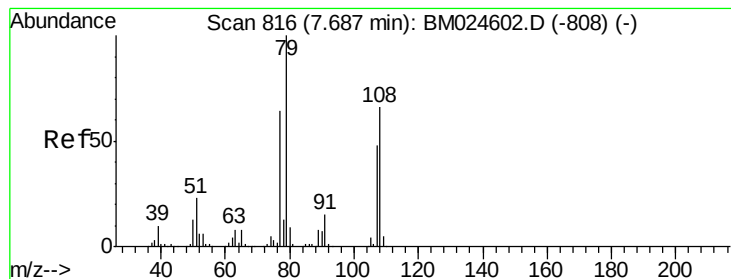
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#14
 1,2-Dichlorobenzene
 Concen: 8.015 ng
 RT: 7.79 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.9	77.9
111	44.4	34.5	51.7





#15

Benzyl Alcohol

Concen: 7.571 ng

RT: 7.68 min Scan# 815

Delta R.T. -0.01 min

Lab File: BM024618.D

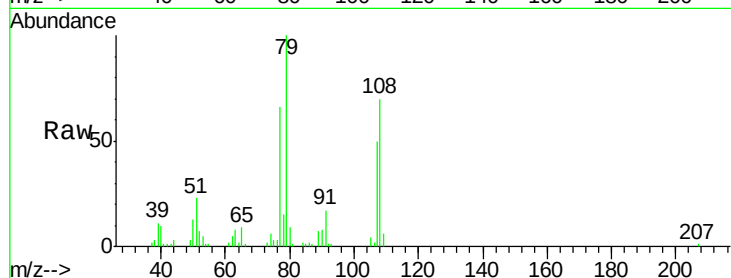
Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

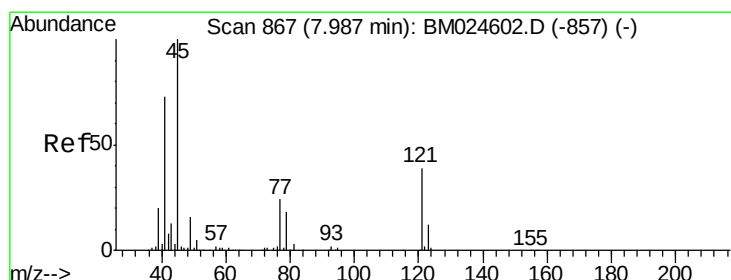
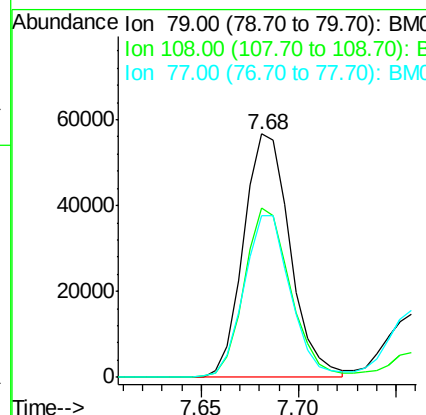
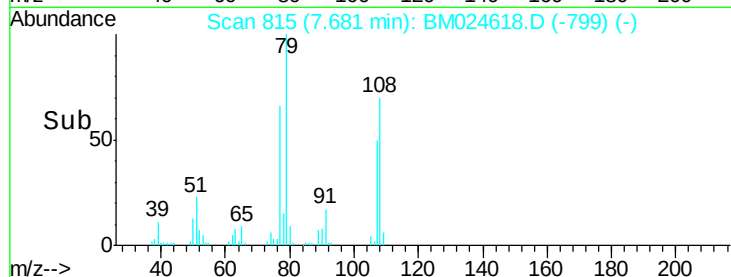
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Tot Ion	79	Resp	93695
Ion	Ratio	Lower	Upper
79	100		
108	69.8	53.0	79.4
77	66.2	50.8	76.2

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#16

2,2'-oxybis(1-chloropropane)

Concen: 7.967 ng

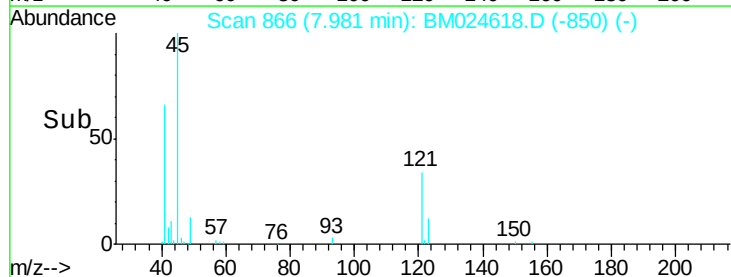
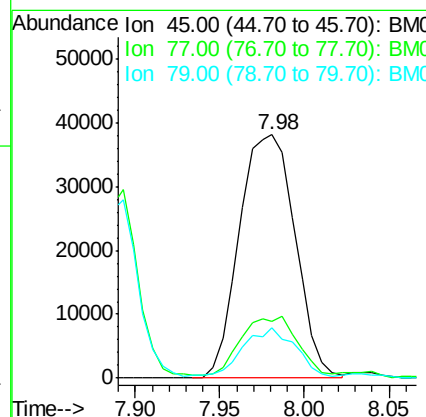
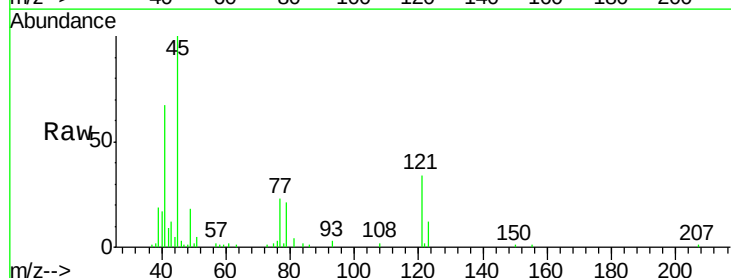
RT: 7.98 min Scan# 866

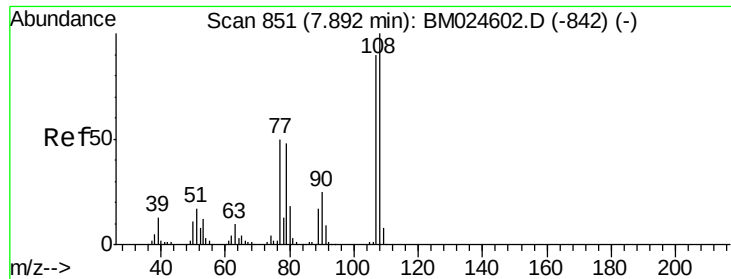
Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion	45	Resp	87359
Ion	Ratio	Lower	Upper
45	100		
77	23.4	5.2	45.2
79	20.7	0.0	39.4





#17

2-Methylphenol

Concen: 7.398 ng

RT: 7.89 min Scan# 851

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

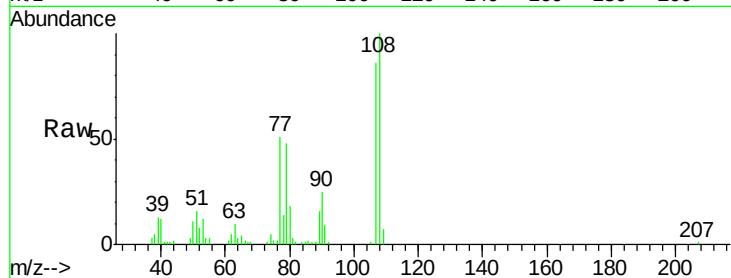
ClientSampleId :

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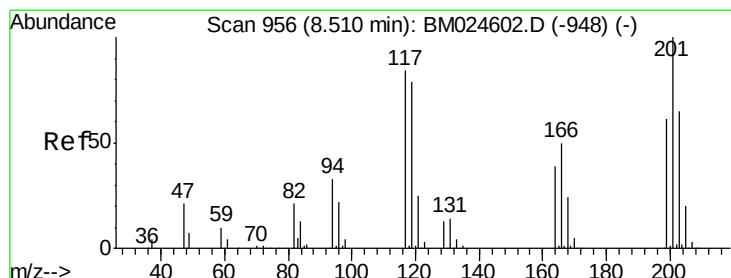
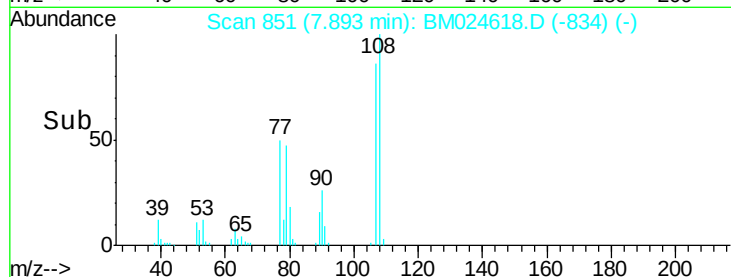
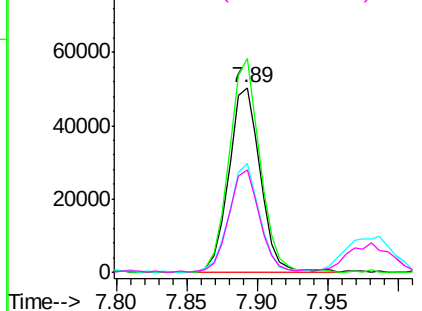
Tot Ion:	107	Resp:	78000
Ion	Ratio	Lower	Upper
107	100		
108	115.9	88.9	133.3
77	58.8	44.5	66.7
79	55.3	42.9	64.3

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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: 7.758 ng

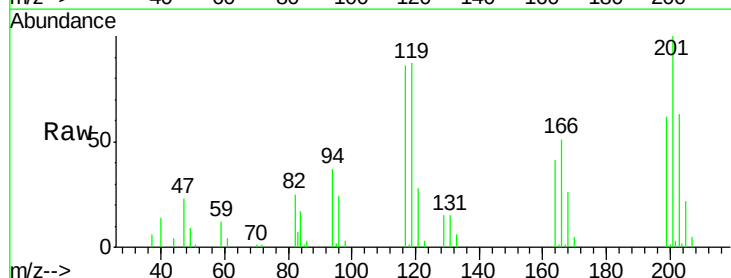
RT: 8.50 min Scan# 955

Delta R.T. -0.01 min

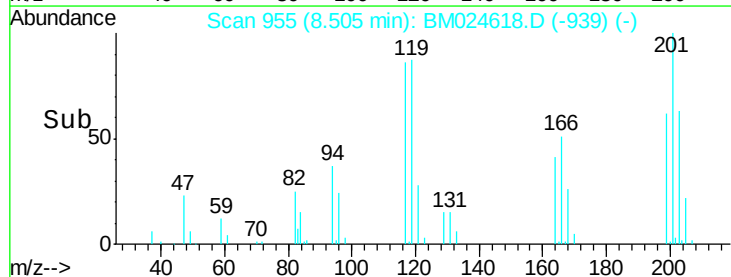
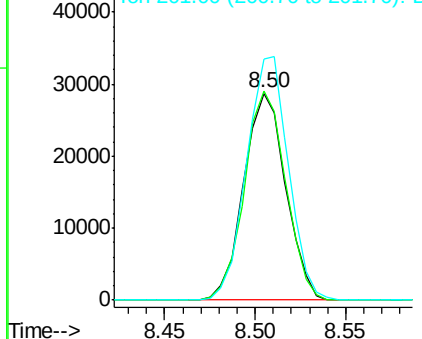
Lab File: BM024618.D

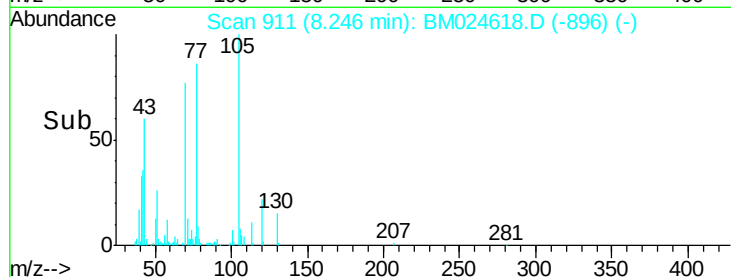
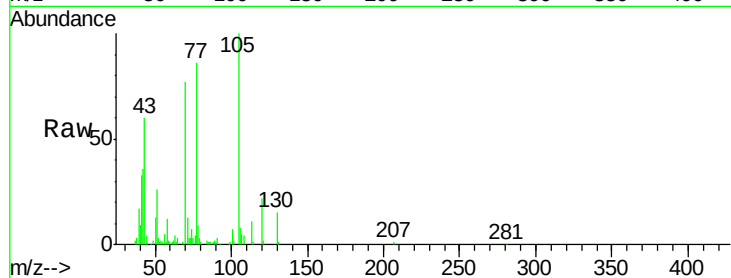
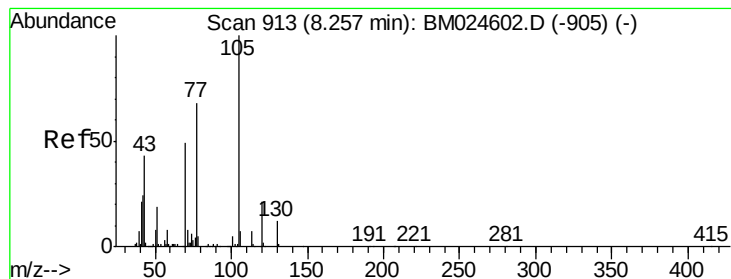
Acq: 24 Jan 2020 13:07

Tgt Ion:	117	Resp:	46310
Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.4	113.2
201	116.8	95.8	143.6



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: 7.823 ng

RT: 8.25 min Scan# 911

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion: 70 Resp: 88160

Ion Ratio Lower Upper

70 100

42 46.4 40.0 60.0

101 9.3 8.2 12.2

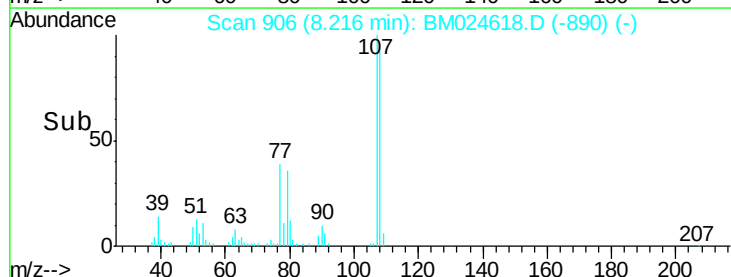
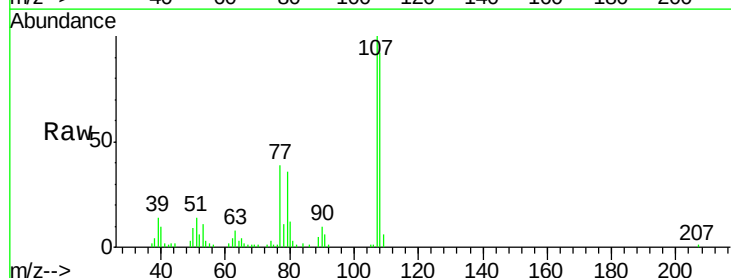
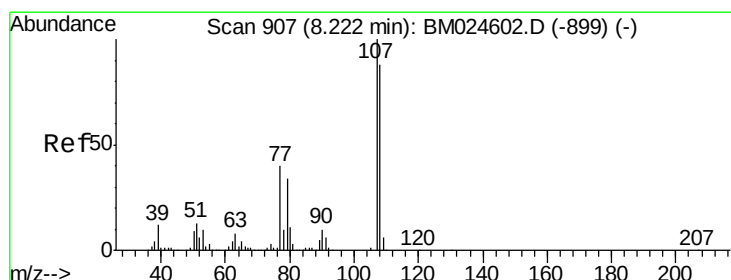
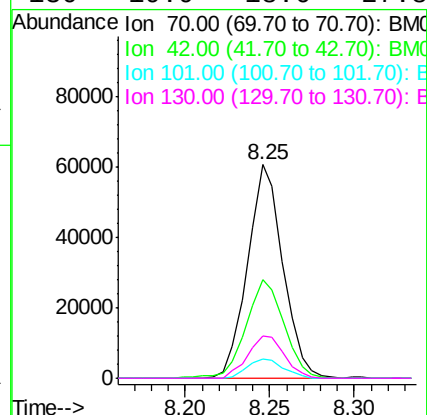
130 19.9 18.6 27.8

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#20

3+4-Methylphenols

Concen: 7.404 ng

RT: 8.22 min Scan# 906

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion: 107 Resp: 108064

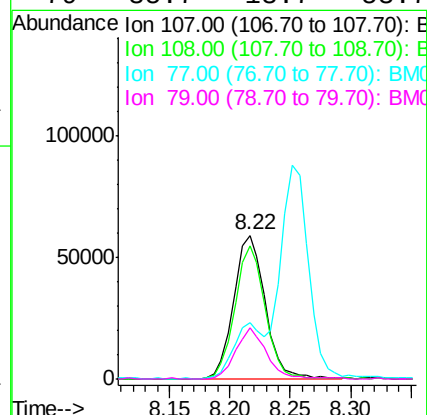
Ion Ratio Lower Upper

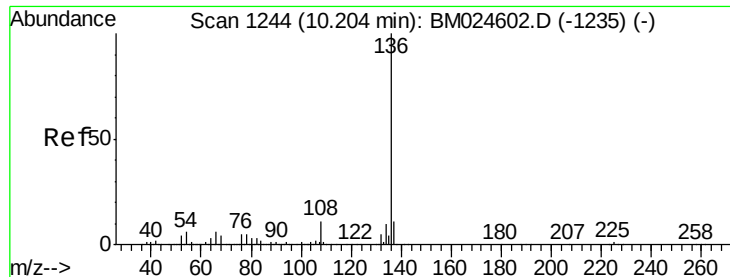
107 100

108 92.3 68.0 108.0

77 39.4 19.9 59.9

79 35.7 13.7 53.7





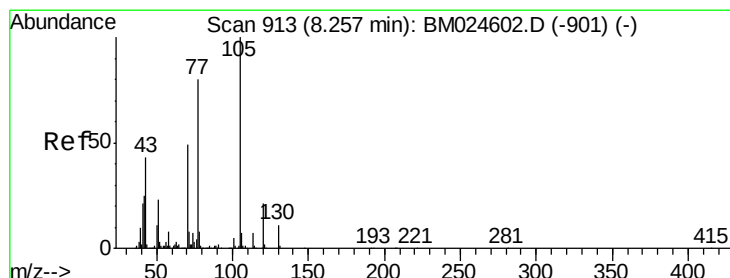
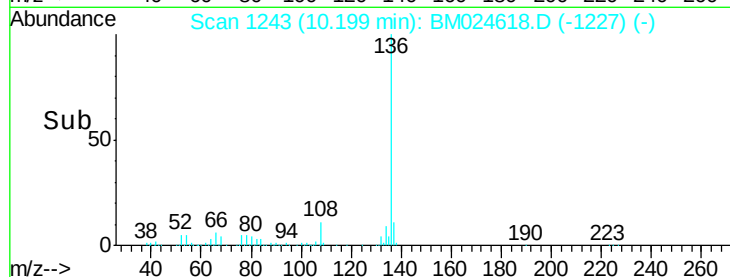
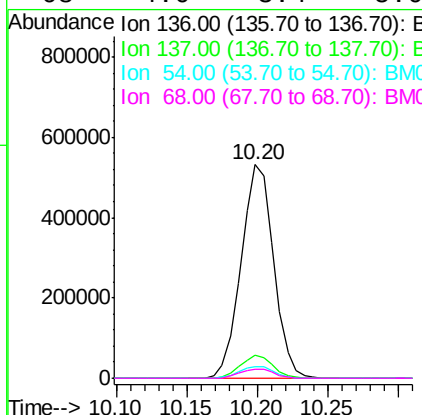
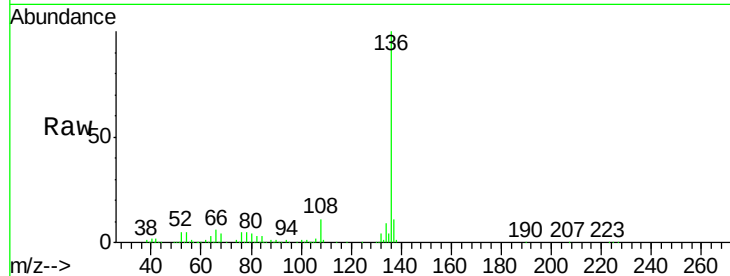
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100	859603		
137	11.1		8.6	13.0
54	5.4		4.5	6.7
68	4.0		3.4	5.0

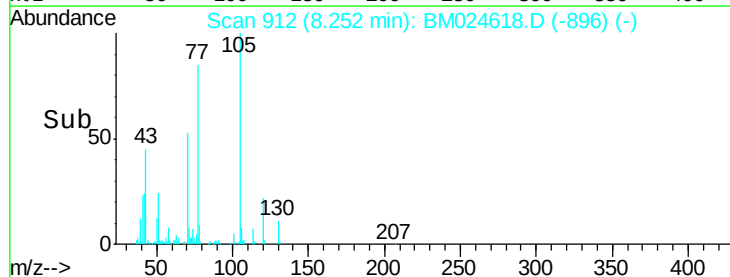
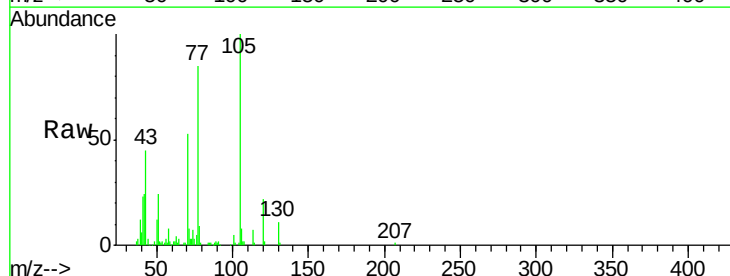
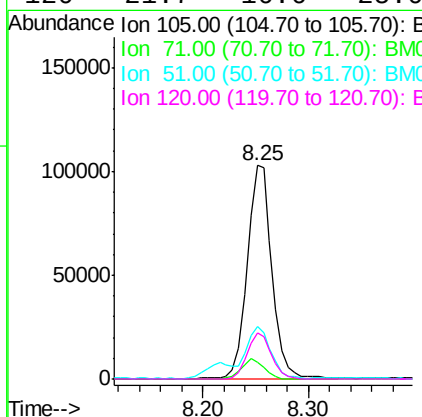
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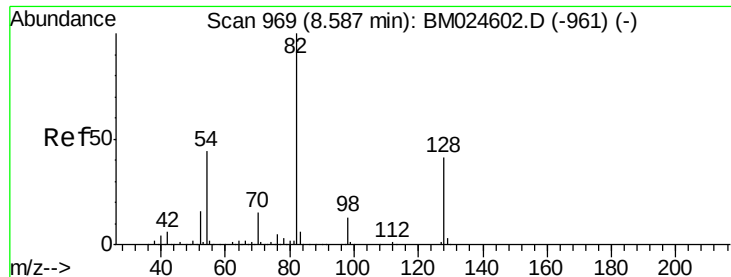
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#22
Acetophenone
Concen: 7.585 ng
RT: 8.25 min Scan# 912
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	168116		
71	7.9		6.7	10.1
51	24.5		18.5	27.7
120	21.7		16.6	25.0





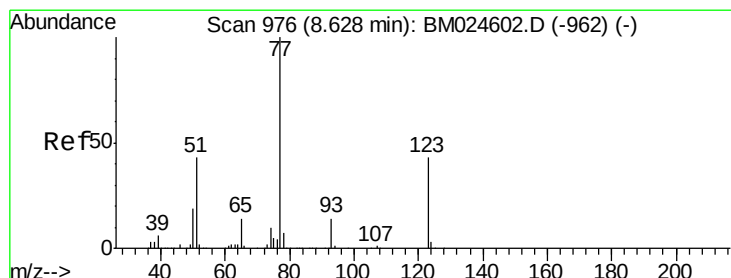
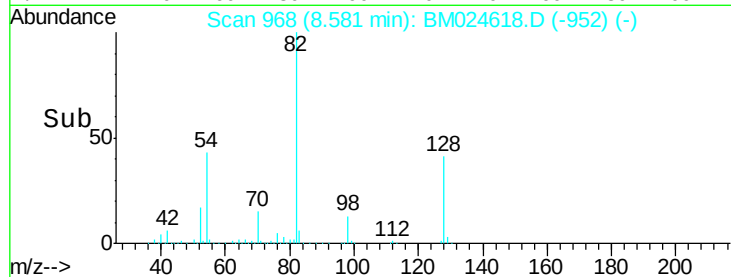
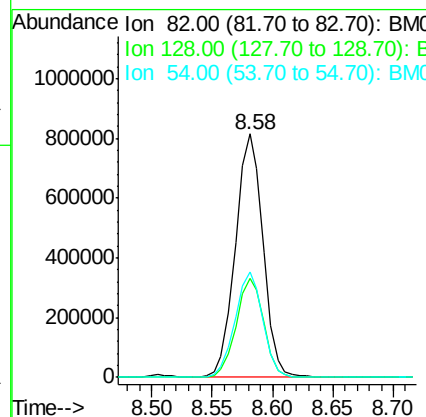
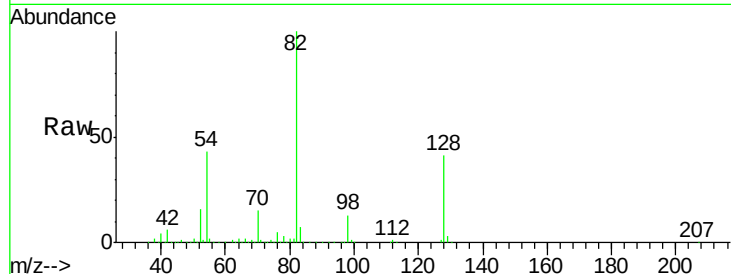
#23
 Nitrobenzene-d5
 Concen: 74.099 ng
 RT: 8.58 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	32.6	48.8
54	43.3	34.8	52.2

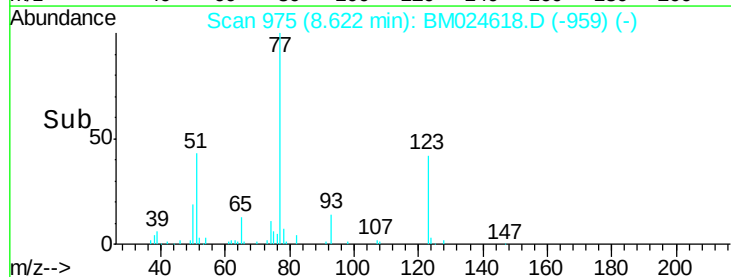
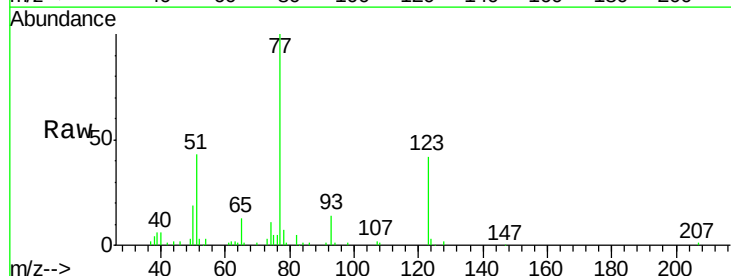
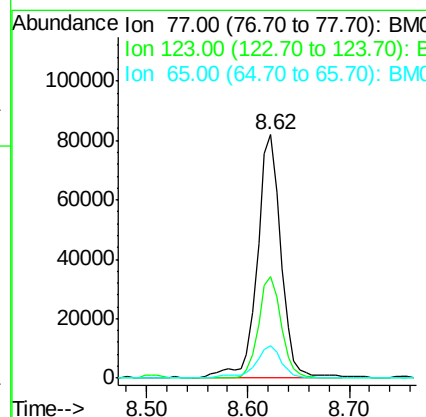
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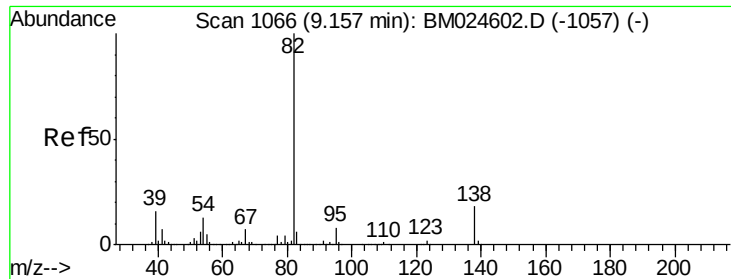
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#24
 Nitrobenzene
 Concen: 8.003 ng
 RT: 8.62 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.6	34.6	52.0
65	13.1	11.0	16.4





#25

Isophorone

Concen: 7.606 ng

RT: 9.15 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

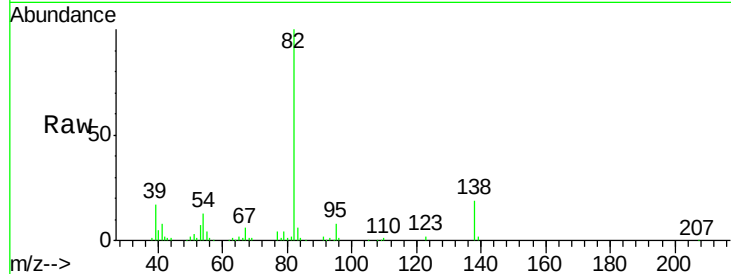
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

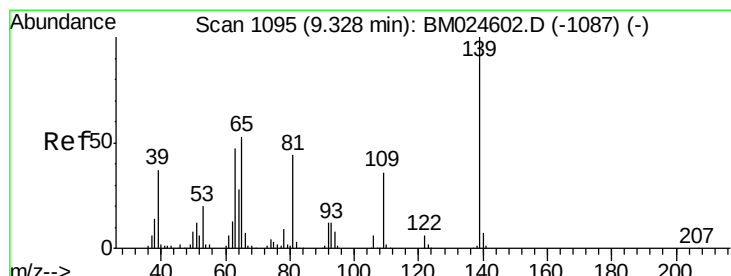
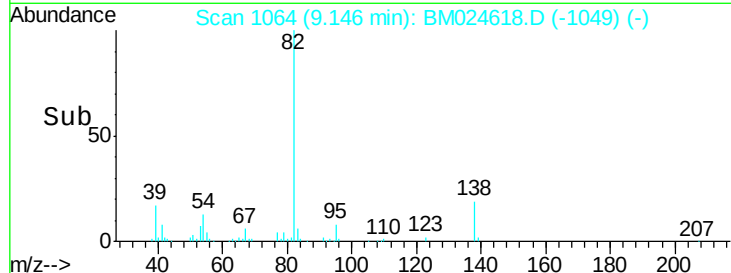
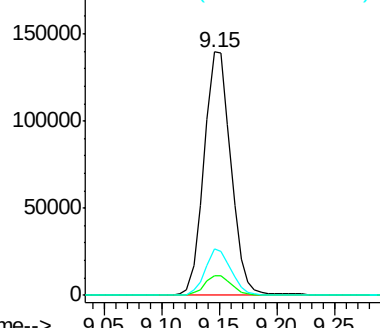
Tot Ion:	82	Resp:	226534
Ion Ratio	Lower	Upper	
82	100		
95	8.1	6.7	10.1
138	19.2	14.7	22.1

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Abundance Ion 82.00 (81.70 to 82.70): BM024618.D (-1057) (-)



#26

2-Nitrophenol

Concen: 6.714 ng

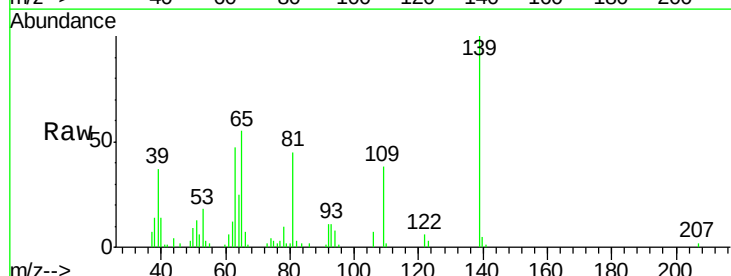
RT: 9.33 min Scan# 1095

Delta R.T. 0.00 min

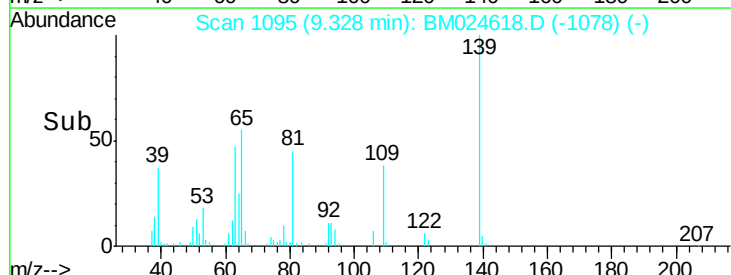
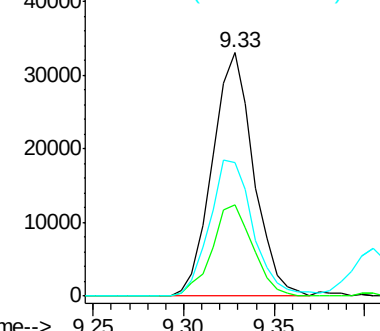
Lab File: BM024618.D

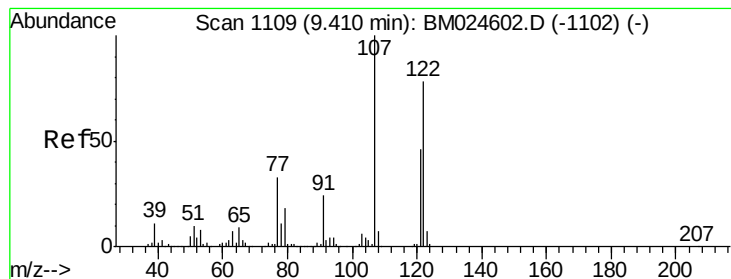
Acq: 24 Jan 2020 13:07

Tgt Ion:	139	Resp:	52224
Ion Ratio	Lower	Upper	
139	100		
109	37.5	28.8	43.2
65	54.6	42.6	63.8



Abundance Ion 139.00 (138.70 to 139.70): BM024618.D (-1087) (-)





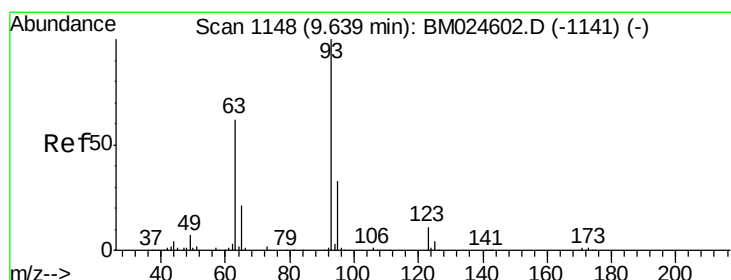
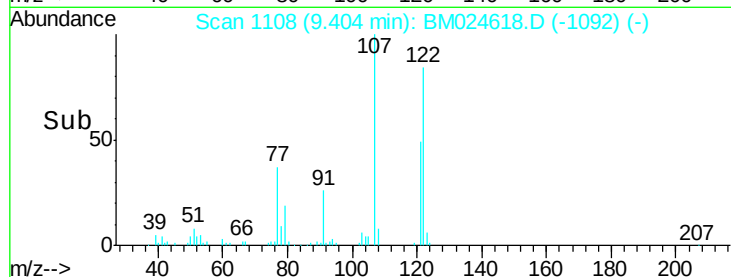
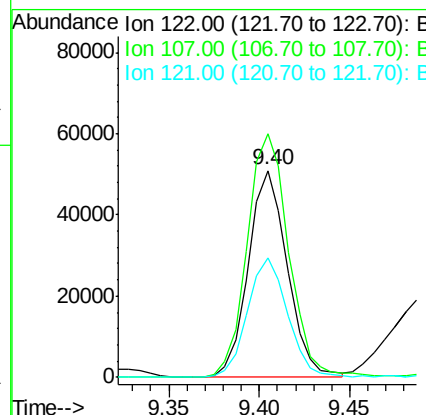
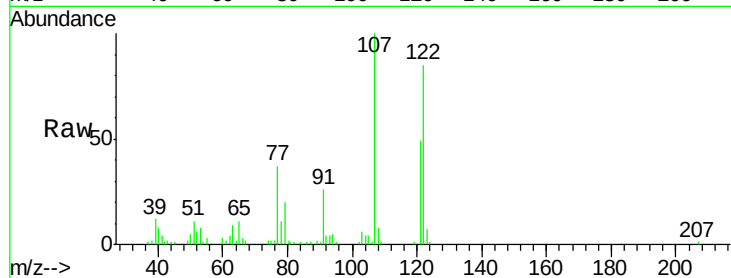
#27
 2,4-Dimethylphenol
 Concen: 7.237 ng
 RT: 9.40 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.7	102.5	153.7
121	57.6	47.0	70.4

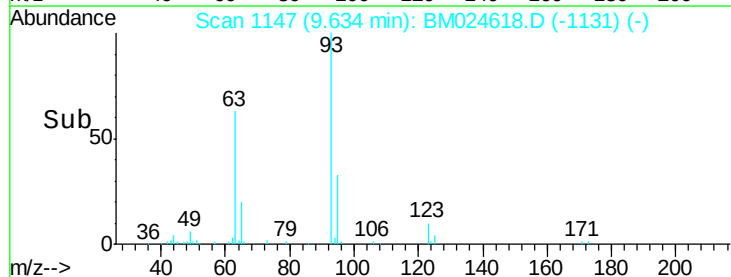
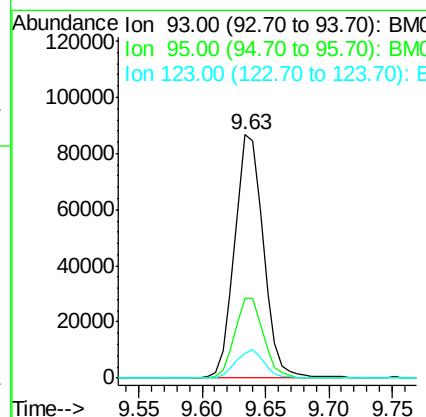
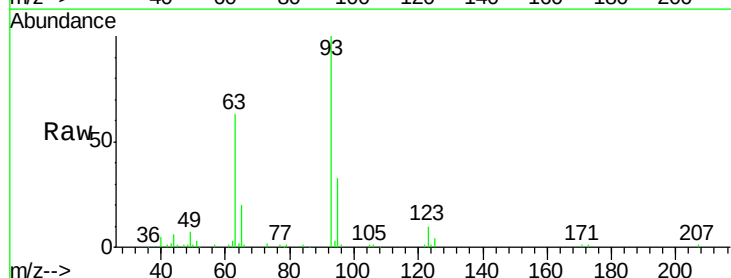
Manual Integrations
 APPROVED

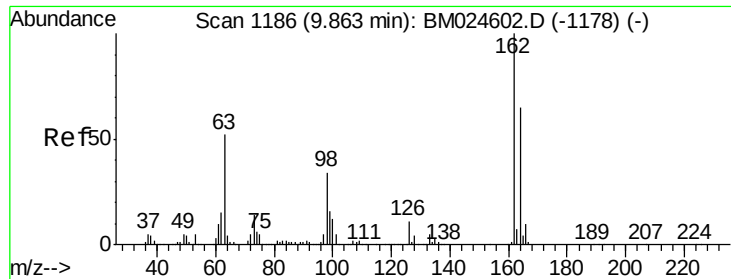
mohammad
 1/28/2020 8:13:08 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.485 ng
 RT: 9.63 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.1	39.1
123	10.4	8.7	13.1





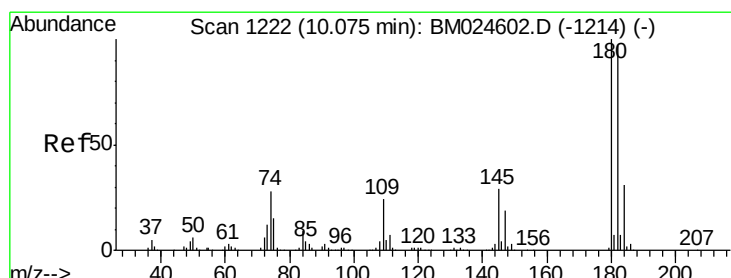
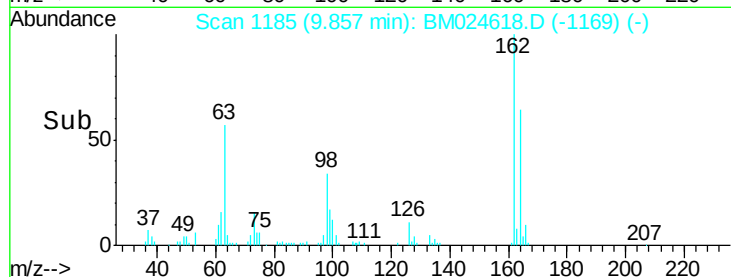
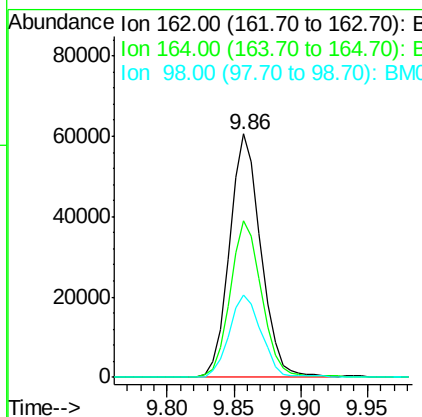
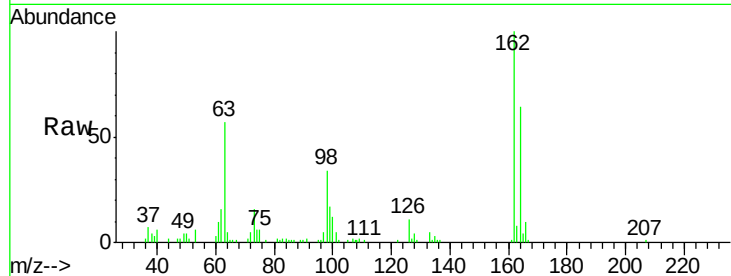
#29
2,4-Dichlorophenol
Concen: 6.951 ng
RT: 9.86 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
162	100	99259		
164	64.2		44.5	84.5
98	34.1		14.2	54.2

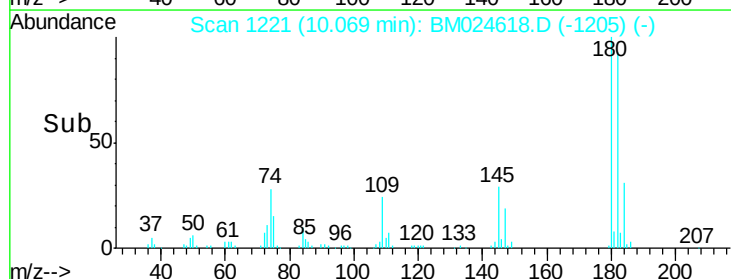
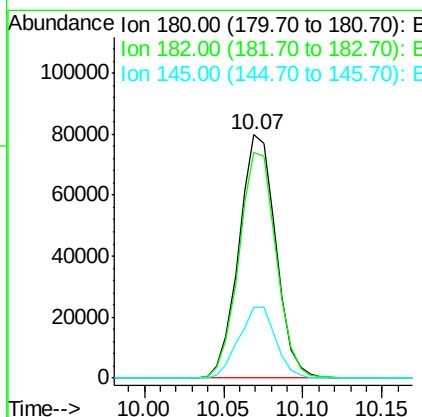
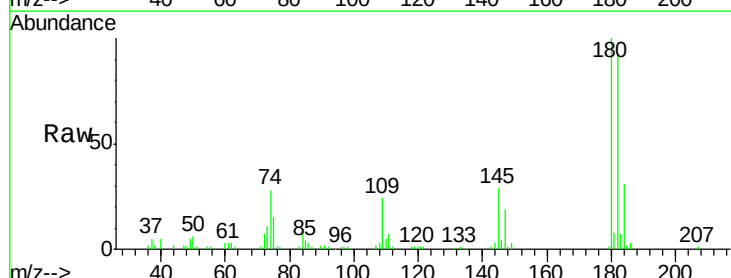
Manual Integrations
APPROVED

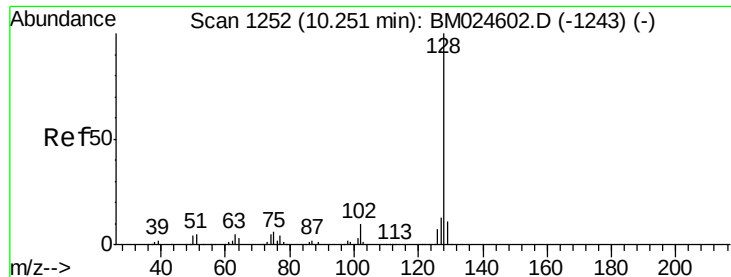
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 7.462 ng
RT: 10.07 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	128512		
182	92.9		77.8	116.6
145	29.0		22.9	34.3





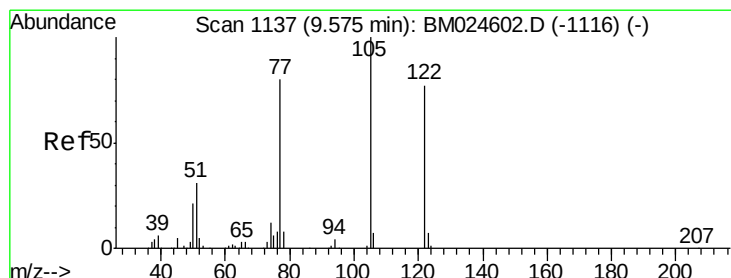
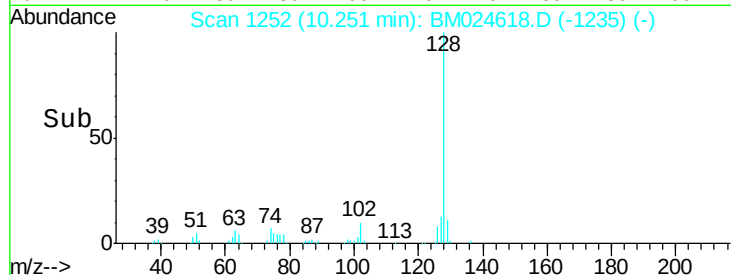
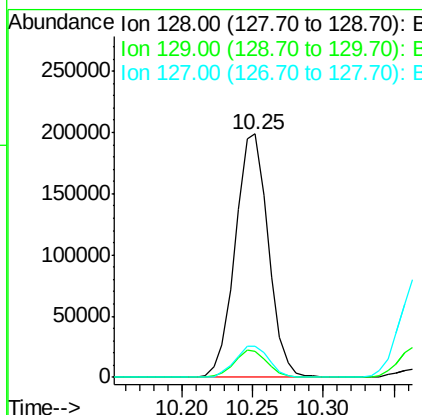
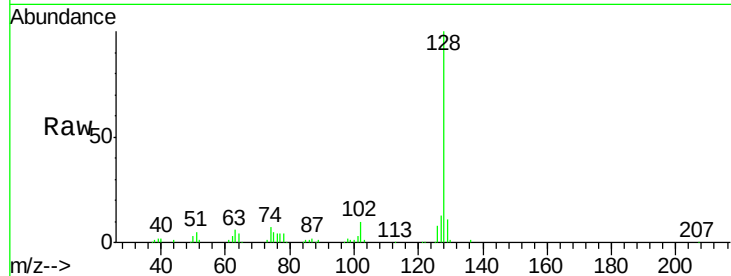
#31
Naphthalene
Concen: 7.491 ng
RT: 10.25 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.0	10.6	15.8

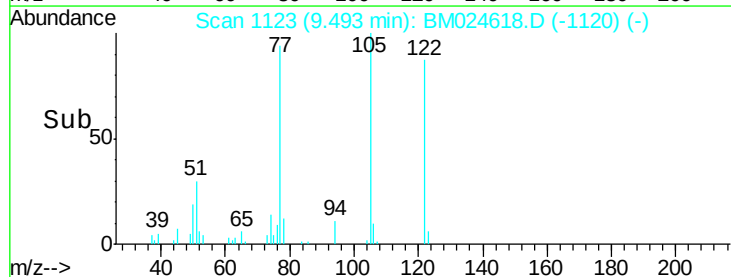
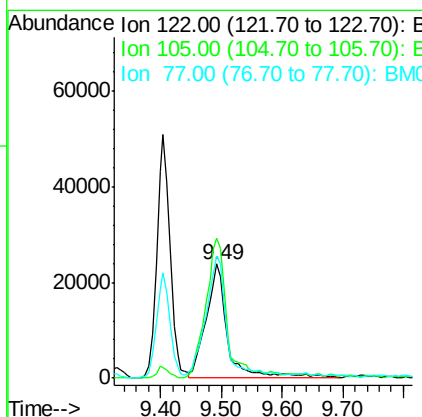
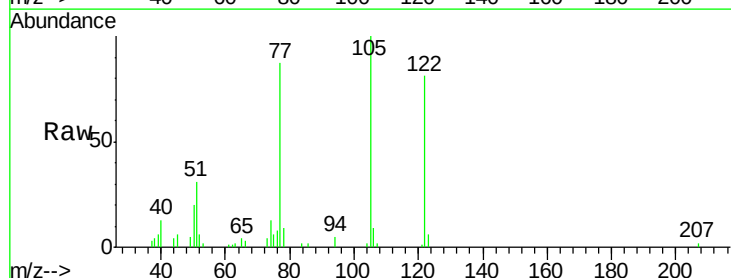
Manual Integrations
APPROVED

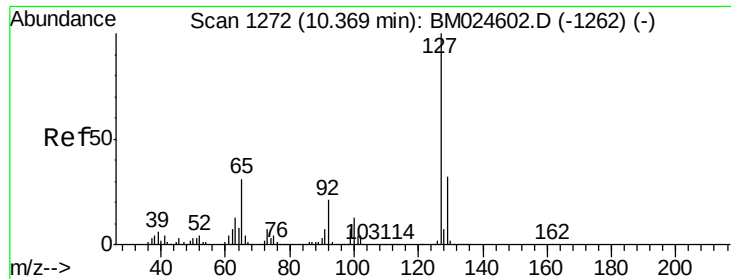
mohammad
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#32
Benzoic acid
Concen: 6.073 ng m
RT: 9.49 min Scan# 1123
Delta R.T. -0.08 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.9	107.7	147.7
77	107.2	83.8	123.8





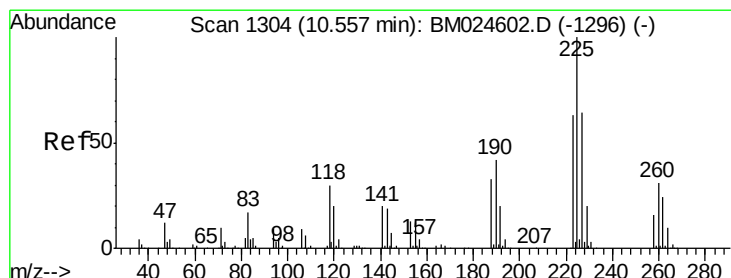
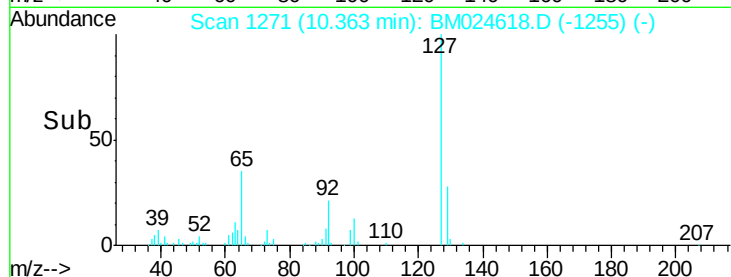
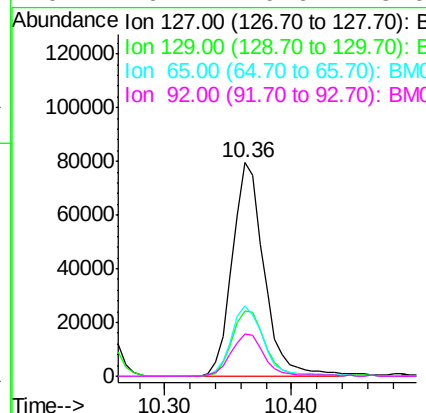
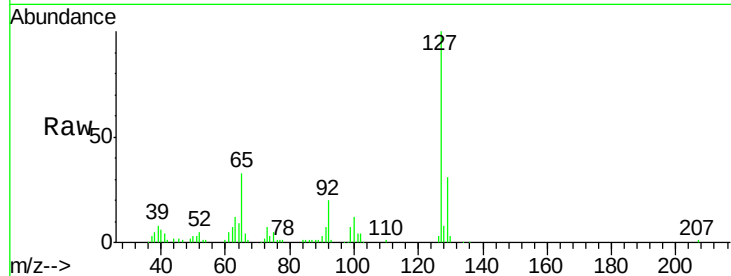
#33
4-Chloroaniline
Concen: 7.269 ng
RT: 10.36 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.8	25.9	38.9		
65	32.7	25.1	37.7		
92	20.1	16.6	25.0		

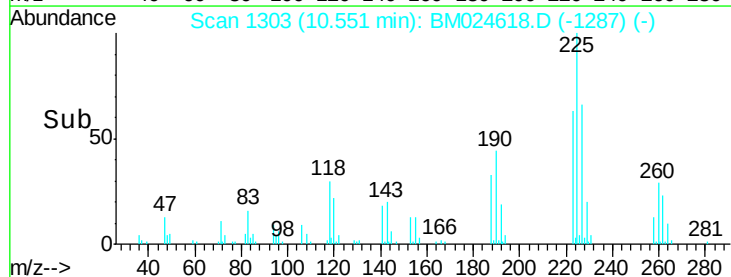
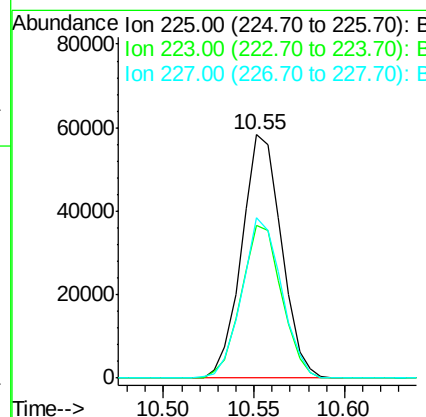
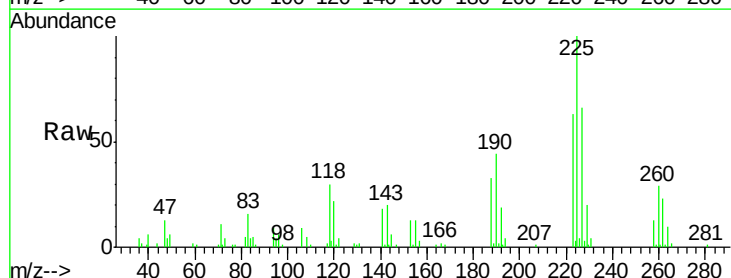
Manual Integrations
APPROVED

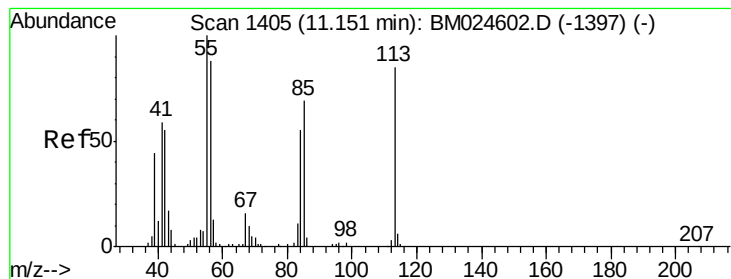
mohammad
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#34
Hexachlorobutadiene
Concen: 7.464 ng
RT: 10.55 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.9	50.7	76.1		
227	65.9	51.4	77.0		





#35

Caprolactam

Concen: 6.957 ng

RT: 11.12 min Scan# 1400

Delta R.T. -0.03 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:113 Resp: 31872

Ion Ratio Lower Upper

113 100

55 118.4 97.5 137.5

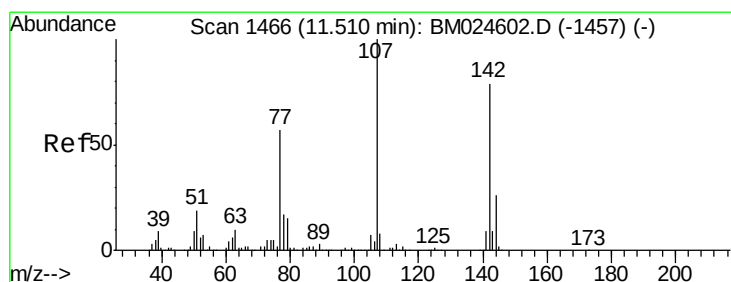
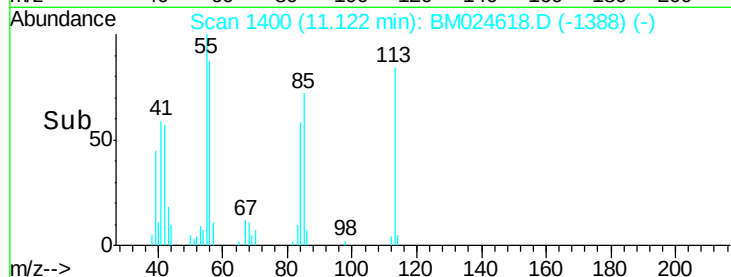
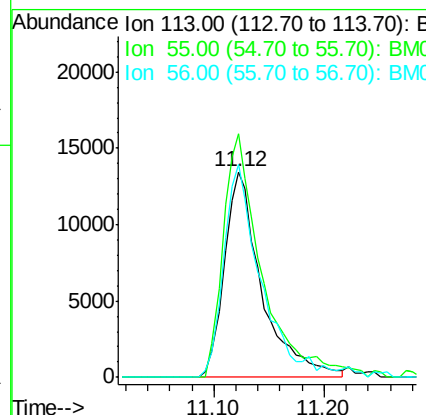
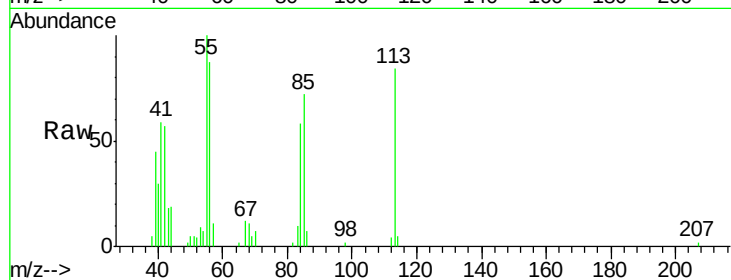
56 103.4 83.4 123.4

Manual Integrations

APPROVED

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#36

4-Chloro-3-methylphenol

Concen: 6.929 ng

RT: 11.50 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

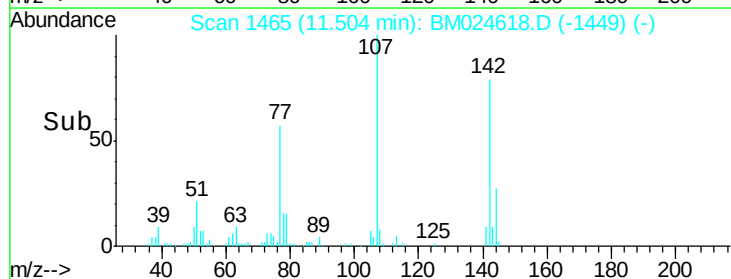
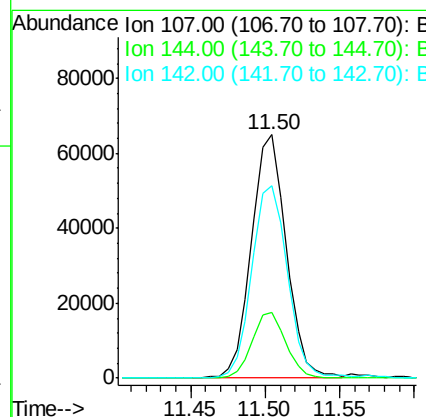
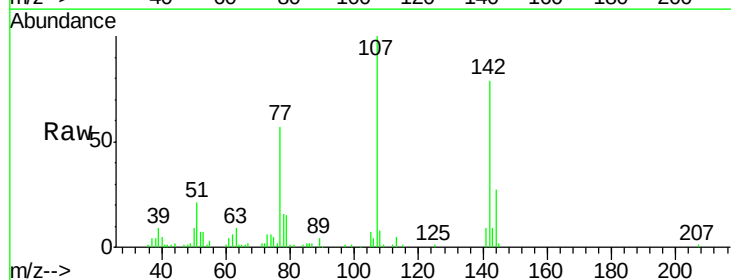
Tgt Ion:107 Resp: 105210

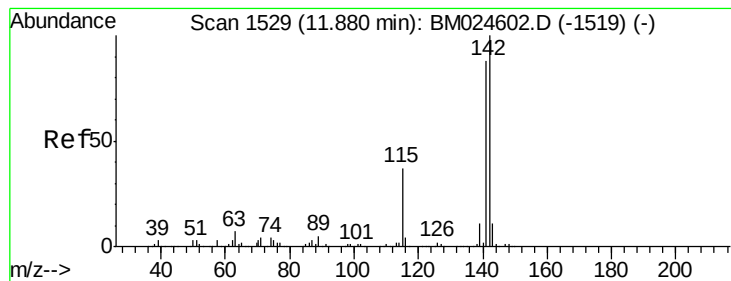
Ion Ratio Lower Upper

107 100

144 27.2 20.5 30.7

142 79.2 62.8 94.2





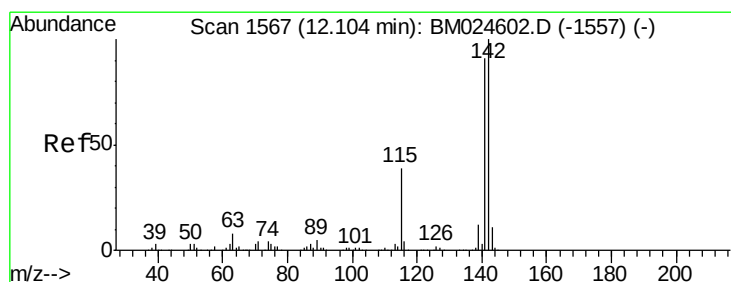
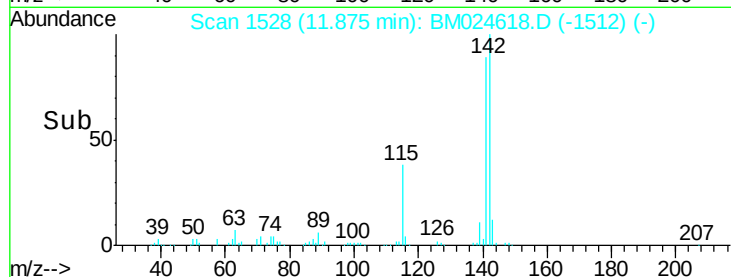
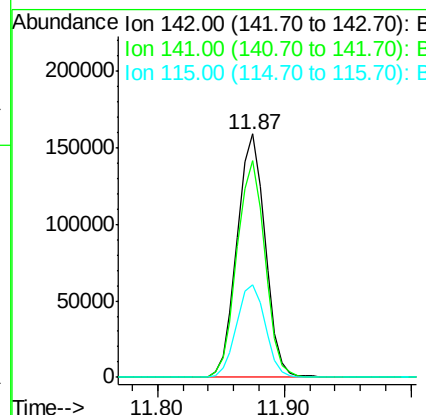
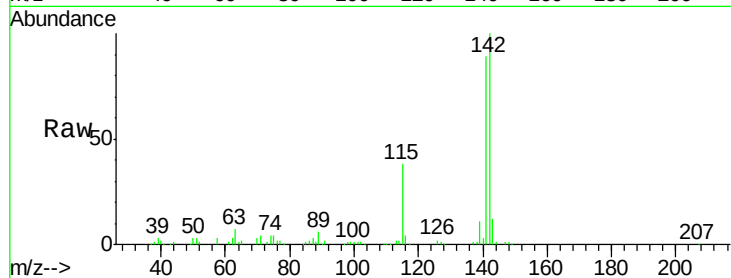
#37
2-Methylnaphthalene
Concen: 7.293 ng
RT: 11.87 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.2	105.2
115	37.9	29.7	44.5

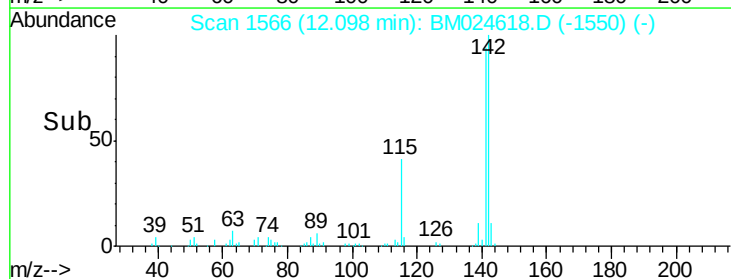
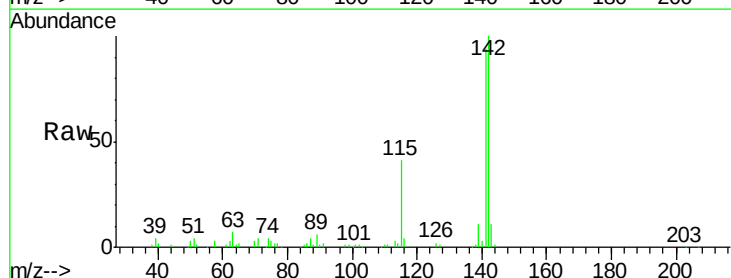
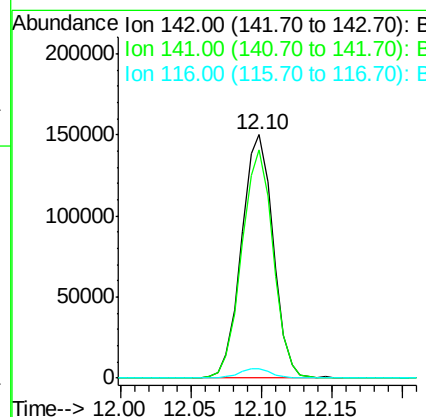
Manual Integrations
APPROVED

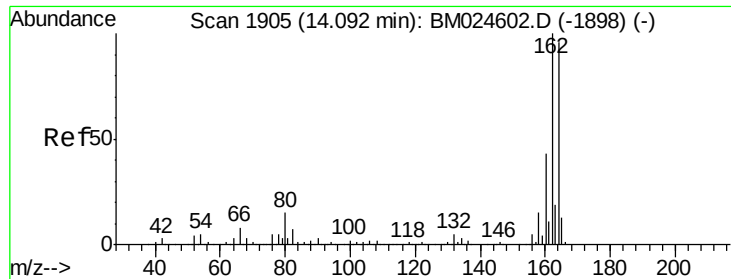
mohammad
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#38
1-Methylnaphthalene
Concen: 7.384 ng
RT: 12.10 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.9	72.8	109.2
116	3.7	3.2	4.8





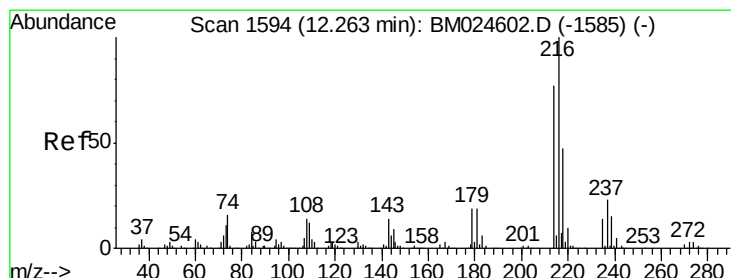
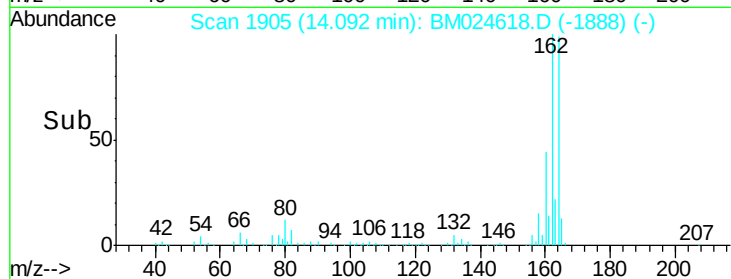
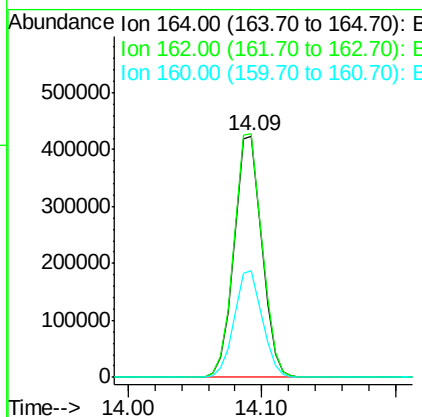
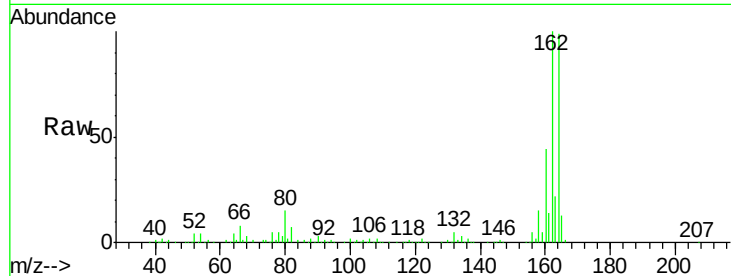
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.09 min Scan# 1905
Delta R.T. 0.00 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.9	124.3
160	44.3	35.5	53.3

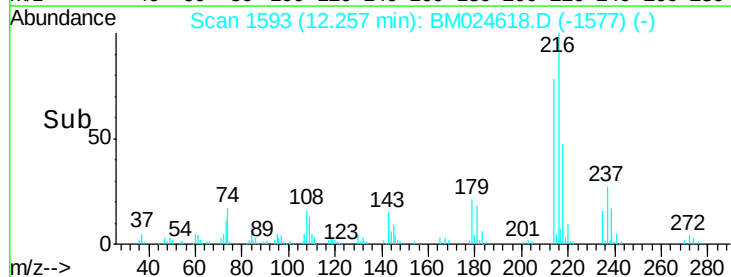
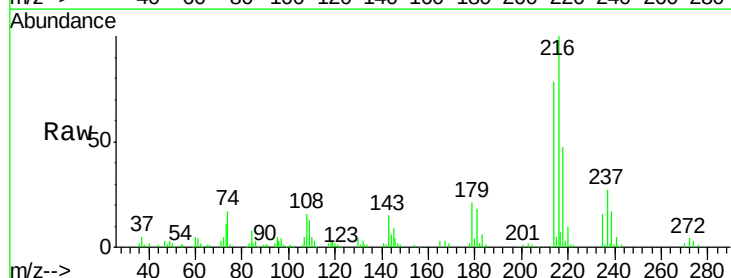
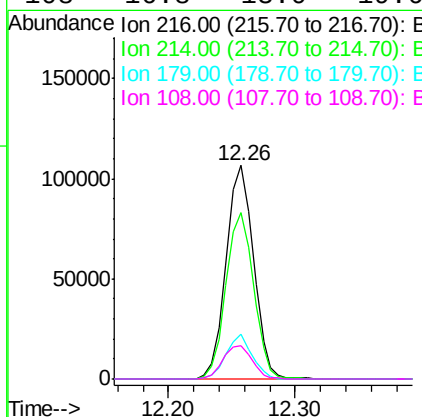
Manual Integrations
APPROVED

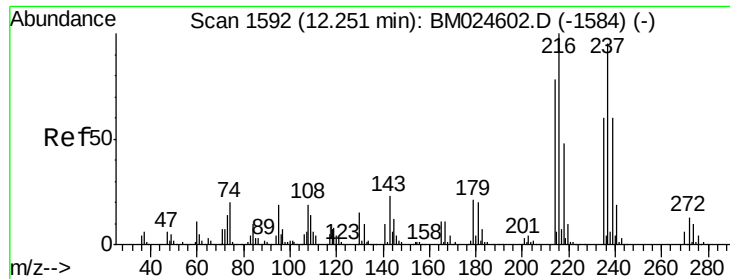
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.338 ng
RT: 12.26 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.3	93.5
179	19.7	16.1	24.1
108	16.8	13.0	19.6





#41

Hexachlorocyclopentadiene

Concen: 6.823 ng

RT: 12.25 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

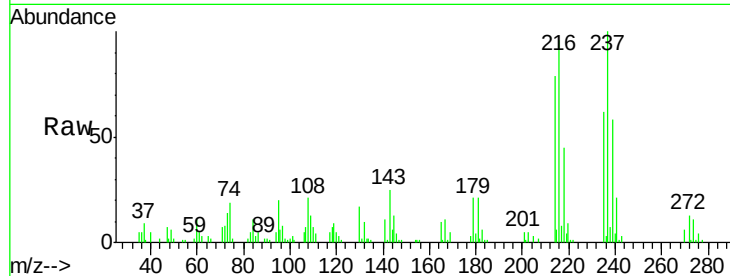
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

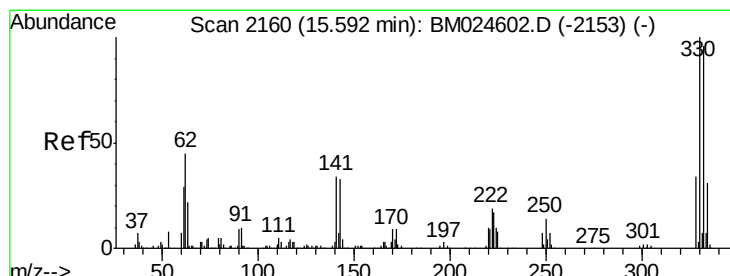
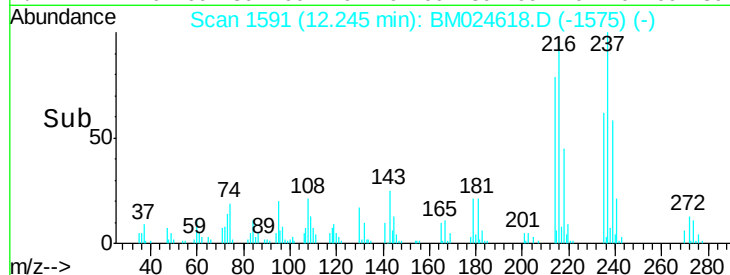
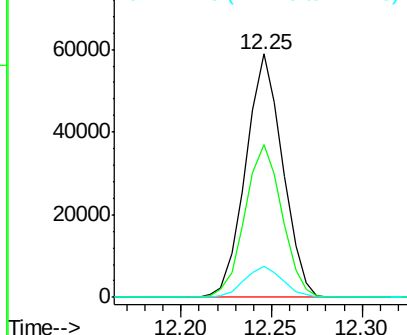
Tot Ion:	237	Resp:	83476
Ion Ratio	Lower	Upper	
237	100		
235	62.5	43.3	83.3
272	12.8	0.0	33.4

Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 126.057 ng

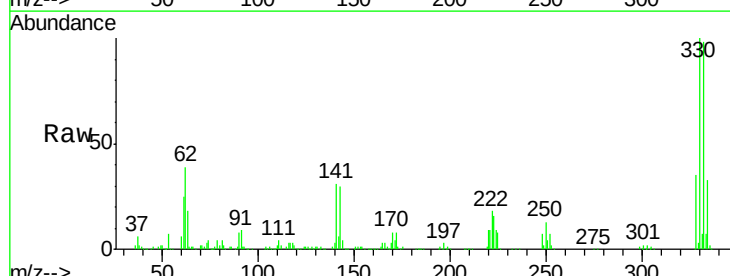
RT: 15.59 min Scan# 2160

Delta R.T. 0.00 min

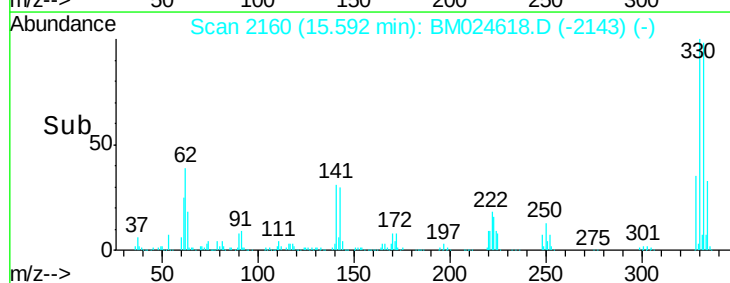
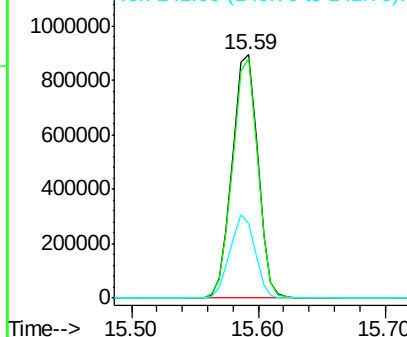
Lab File: BM024618.D

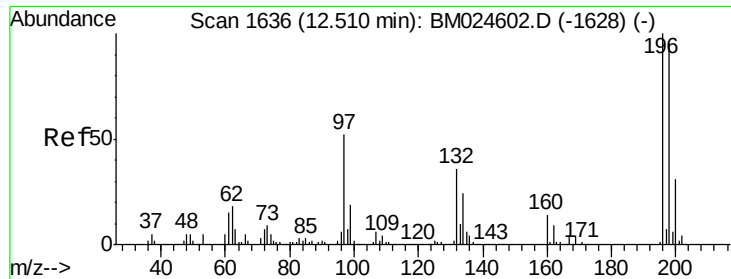
Acq: 24 Jan 2020 13:07

Tgt Ion:	330	Resp:	1254071
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.2	115.8
141	33.6	26.9	40.3



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





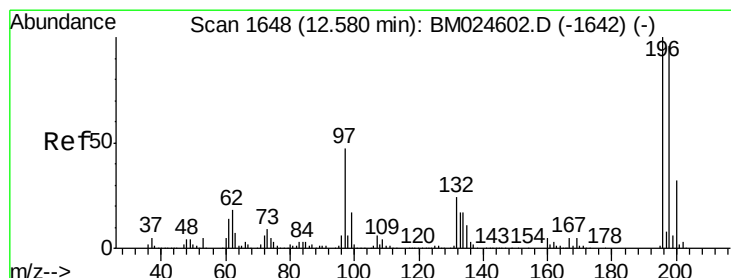
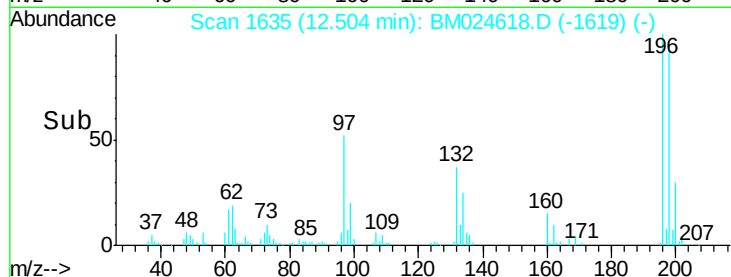
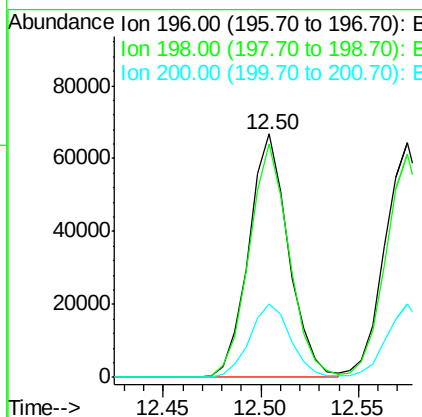
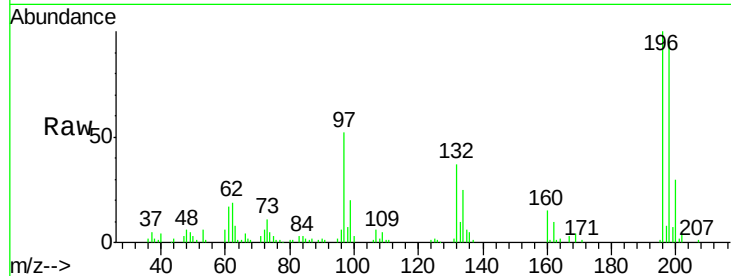
#43
 2,4,6-Trichlorophenol
 Concen: 6.783 ng
 RT: 12.50 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.5	114.7
200	30.1	25.0	37.6

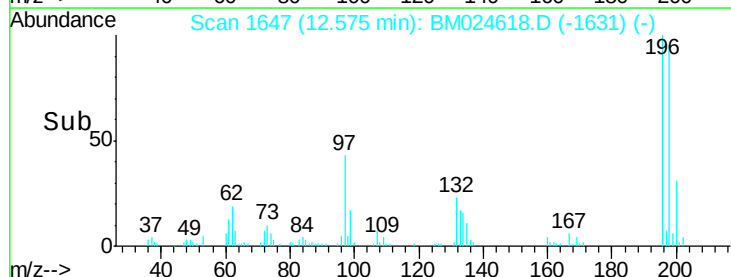
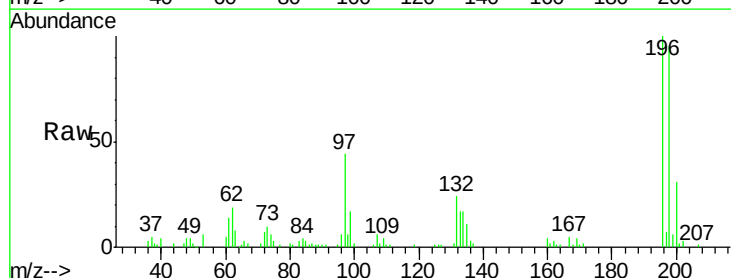
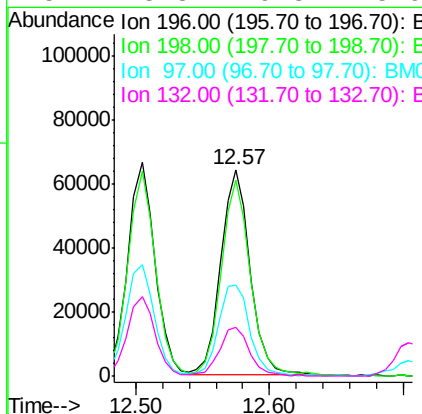
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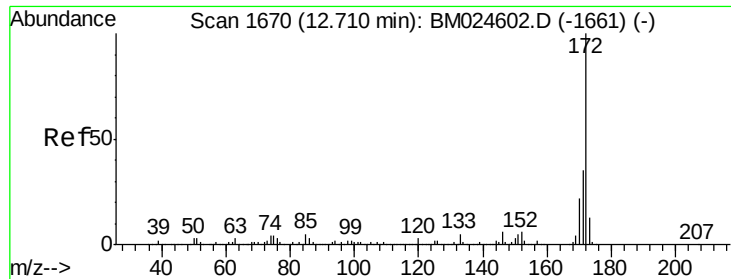
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 6.990 ng
 RT: 12.57 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.2	115.8
97	44.3	37.4	56.0
132	23.8	19.3	28.9





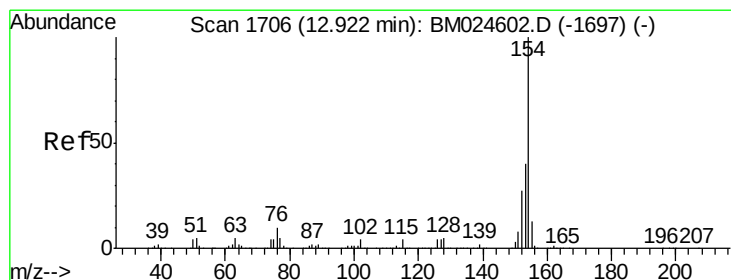
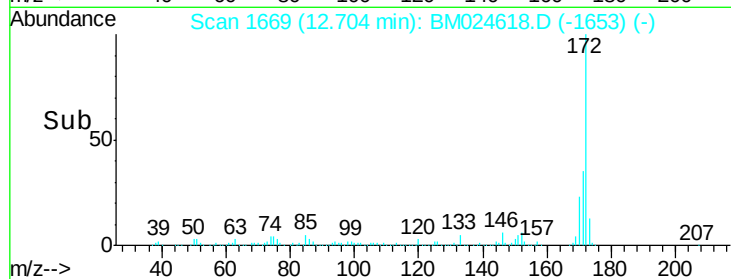
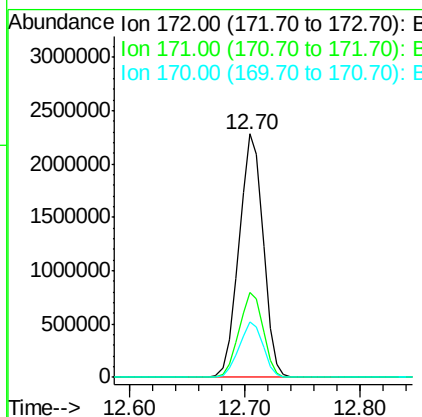
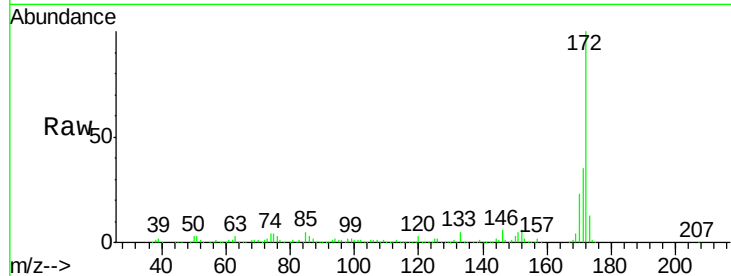
#45
 2-Fluorobiphenyl
 Concen: 73.335 ng
 RT: 12.70 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	22.8	17.9	26.9

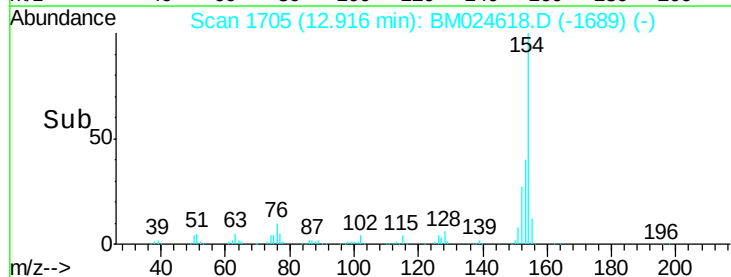
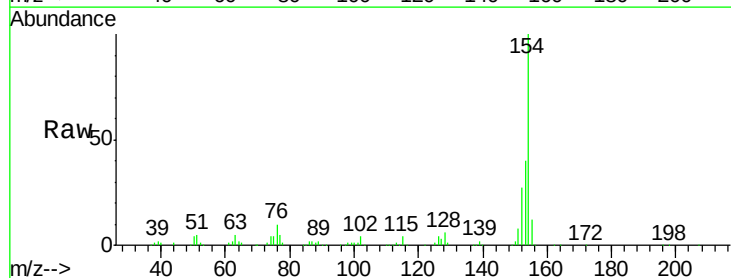
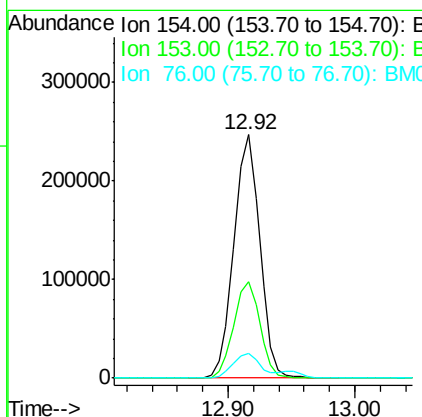
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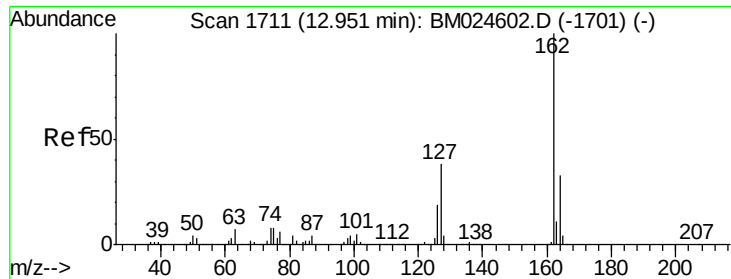
mohammad
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#46
 1,1'-Biphenyl
 Concen: 7.547 ng
 RT: 12.92 min Scan# 1705
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.3	60.3
76	10.3	0.0	30.5





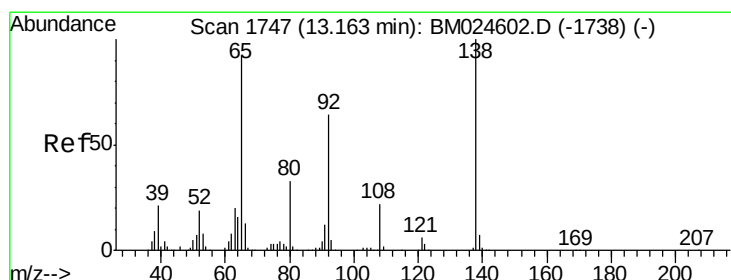
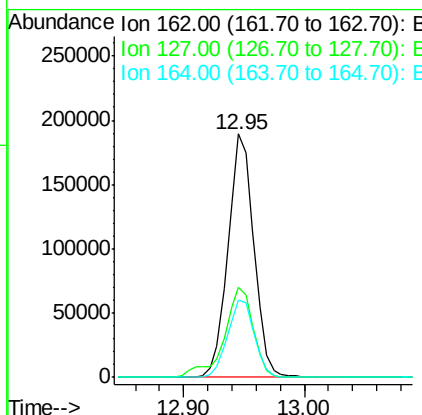
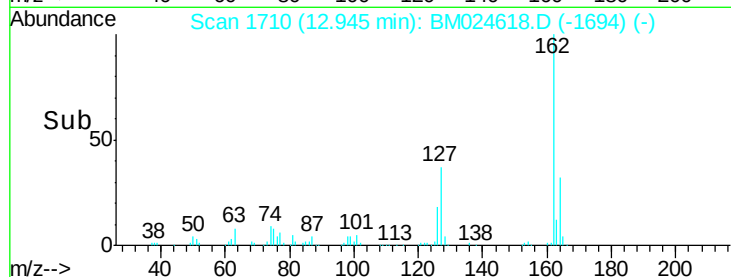
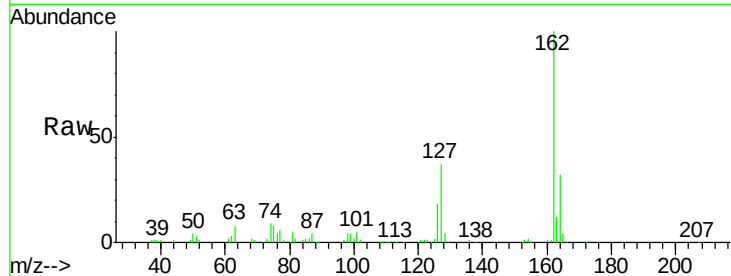
#47
2-Chloronaphthalene
Concen: 7.531 ng
RT: 12.95 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
162	100		
127	36.7	30.4	45.6
164	31.6	26.5	39.7

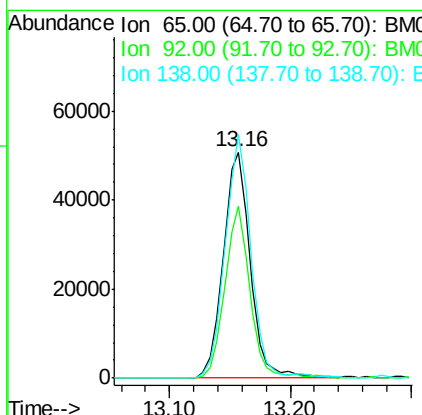
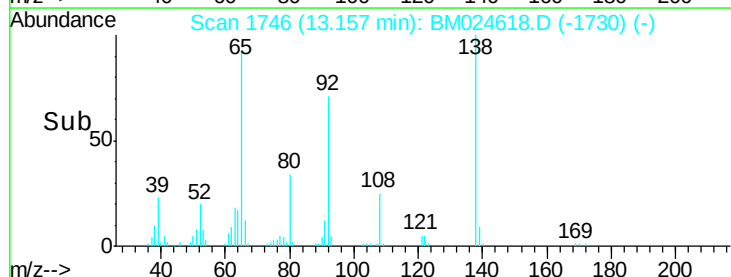
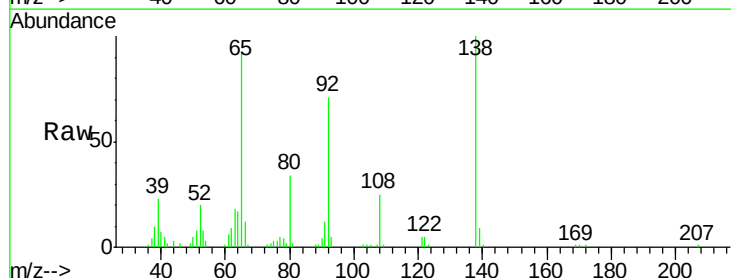
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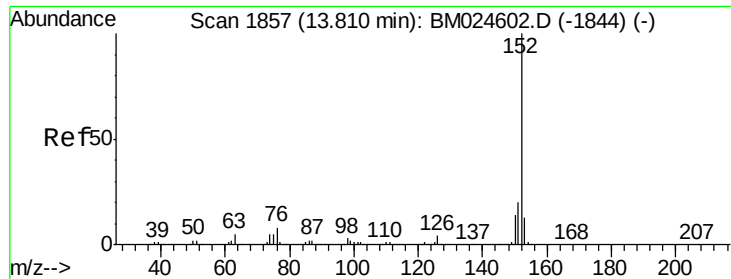
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#48
2-Nitroaniline
Concen: 6.875 ng
RT: 13.16 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.9	55.4	83.2
138	107.6	86.6	129.8





#49

Acenaphthylene

Concen: 7.492 ng

RT: 13.80 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

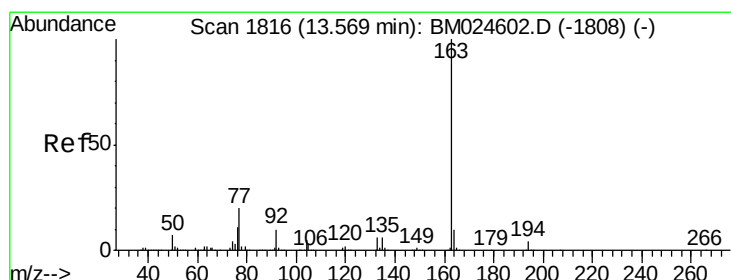
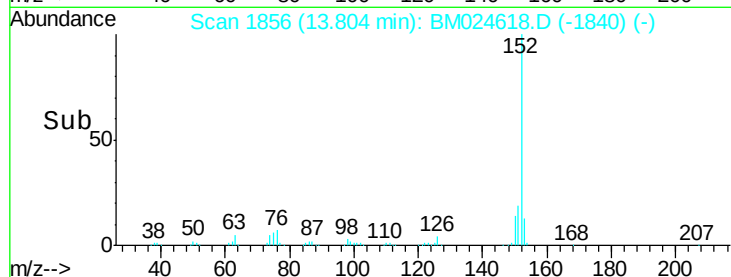
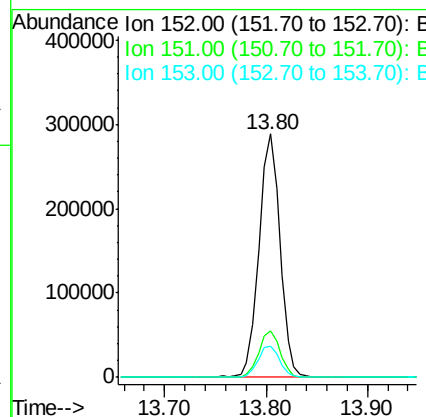
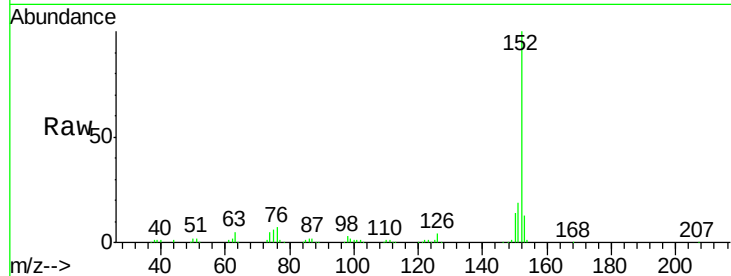
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	12.9	10.4	15.6

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#50

Dimethylphthalate

Concen: 7.573 ng

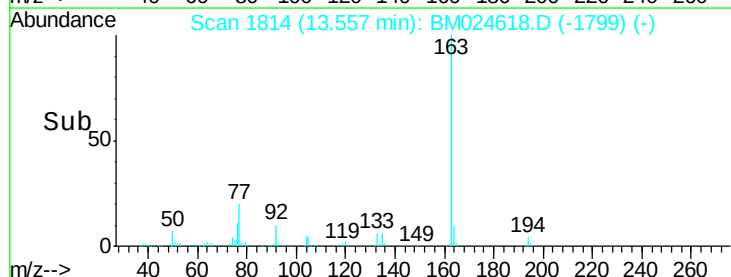
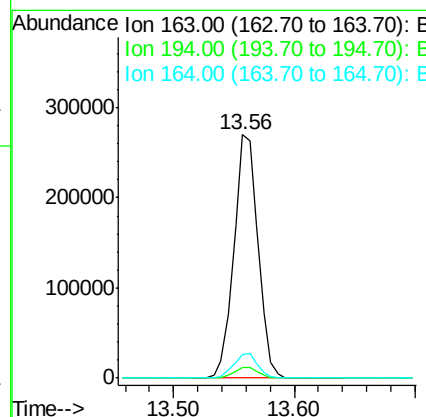
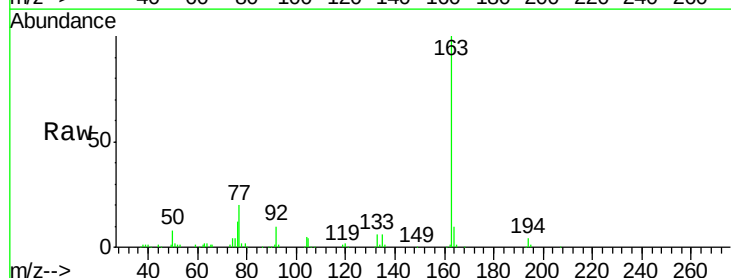
RT: 13.56 min Scan# 1814

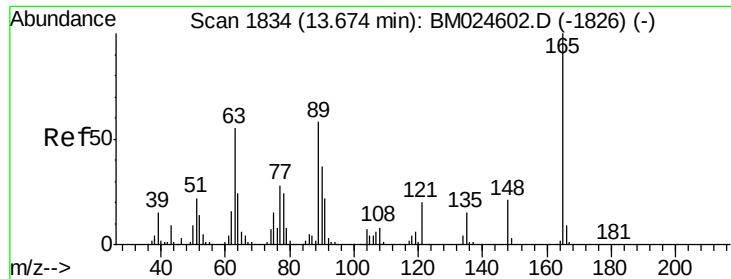
Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	9.8	8.0	12.0





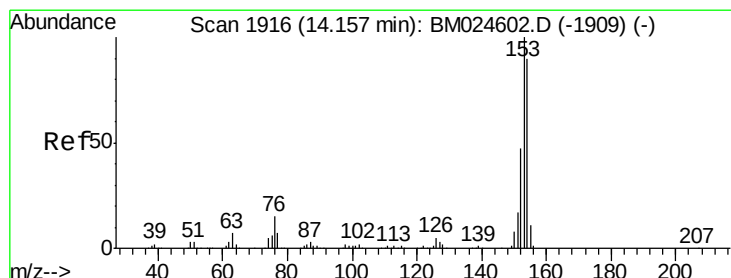
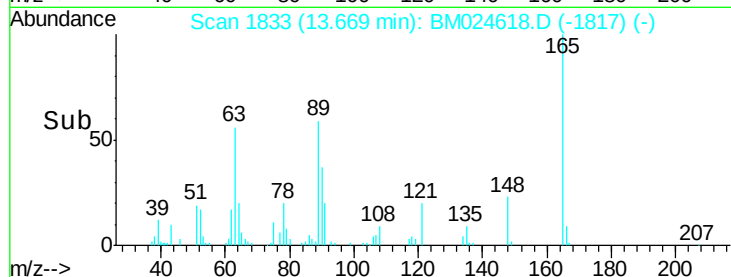
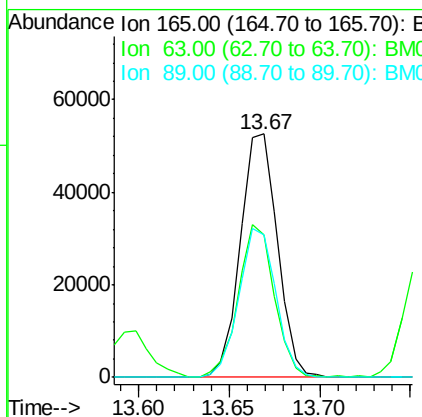
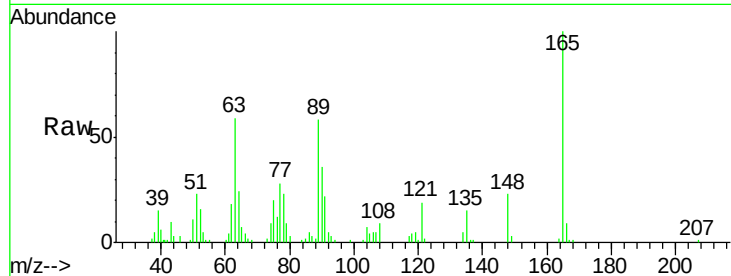
#51
2,6-Dinitrotoluene
Concen: 7.129 ng
RT: 13.67 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
165	100	74953		
63	58.7		45.4	68.0
89	58.5		46.6	69.8

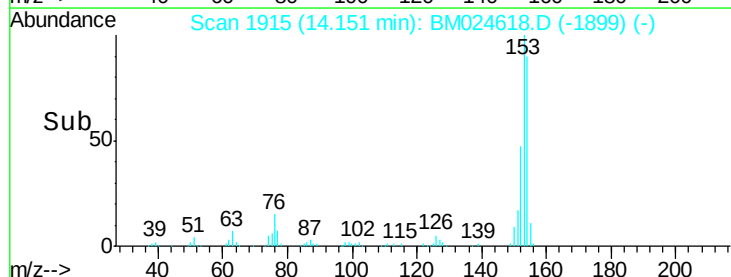
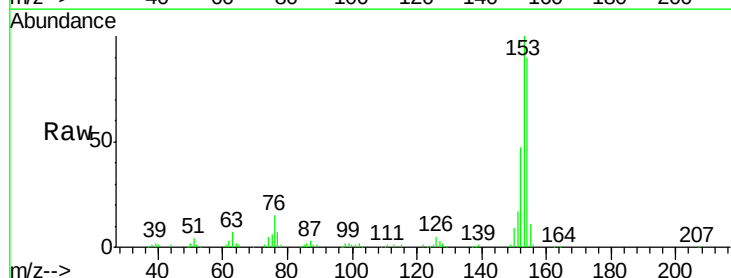
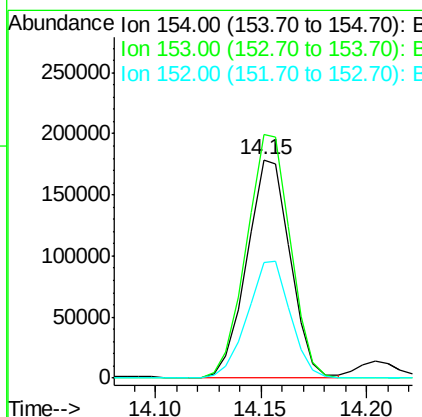
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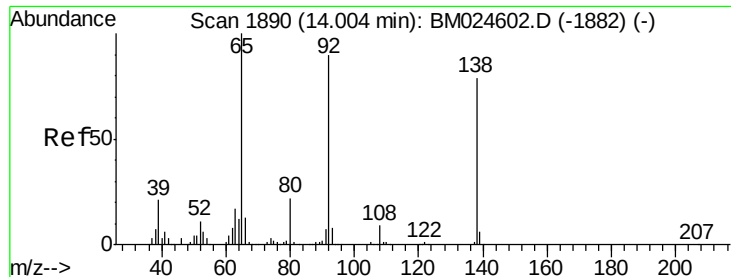
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#52
Acenaphthene
Concen: 7.358 ng
RT: 14.15 min Scan# 1915
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	255399		
153	111.5		89.1	133.7
152	52.8		41.9	62.9





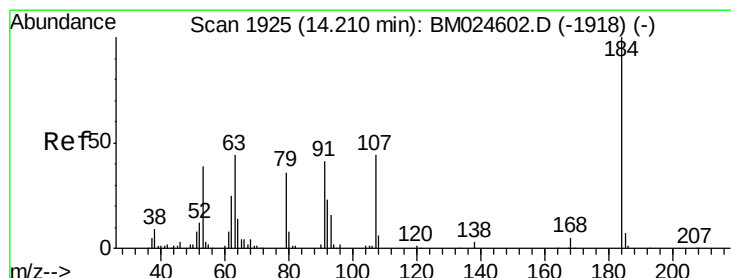
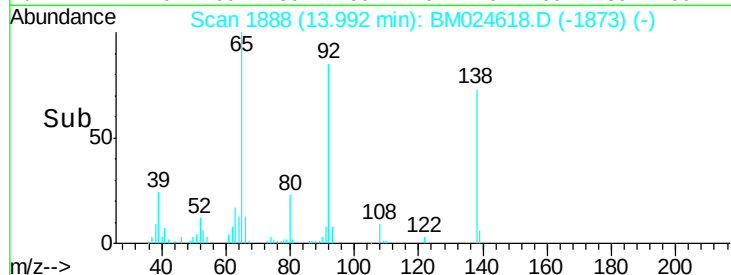
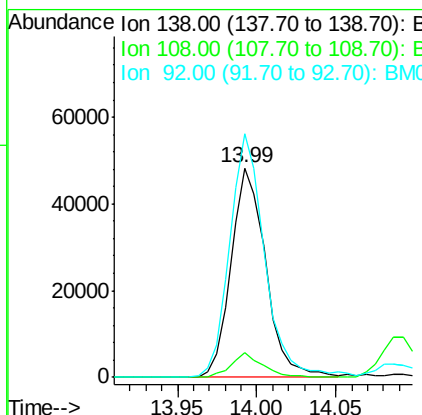
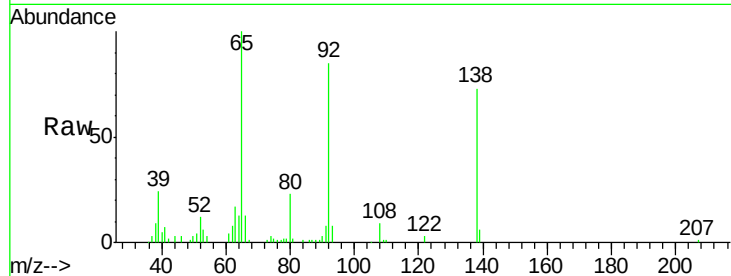
#53
 3-Nitroaniline
 Concen: 6.731 ng
 RT: 13.99 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.8	8.7	13.1
92	116.4	91.0	136.4

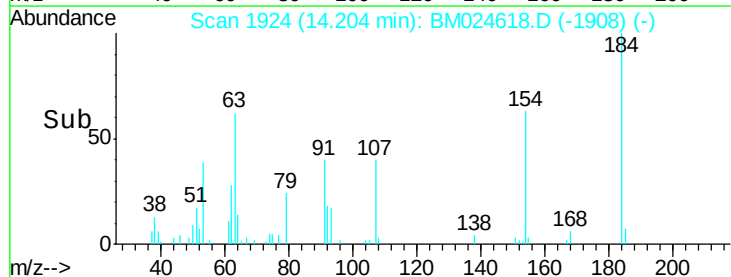
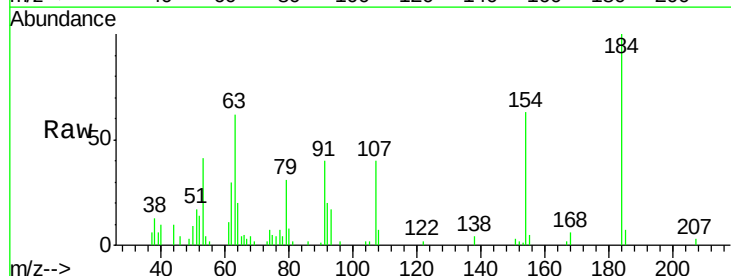
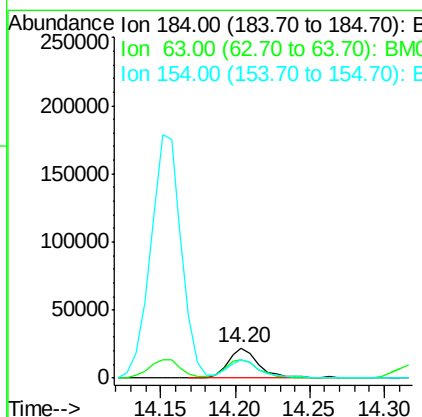
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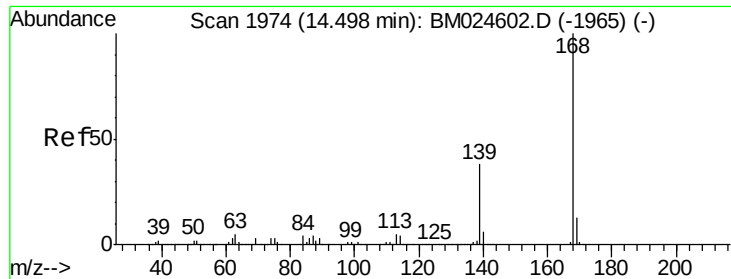
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#54
 2,4-Dinitrophenol
 Concen: 5.141 ng
 RT: 14.20 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.5	51.8	77.8
154	62.6	50.2	75.4





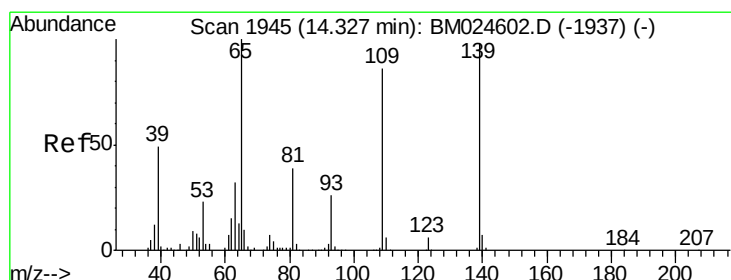
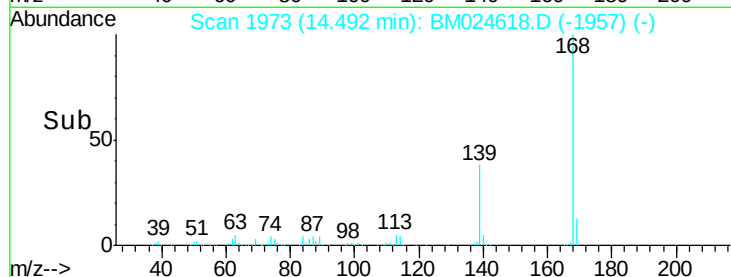
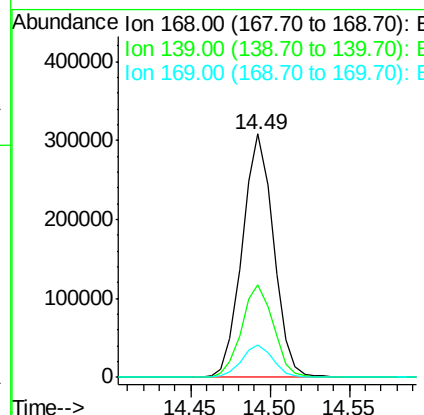
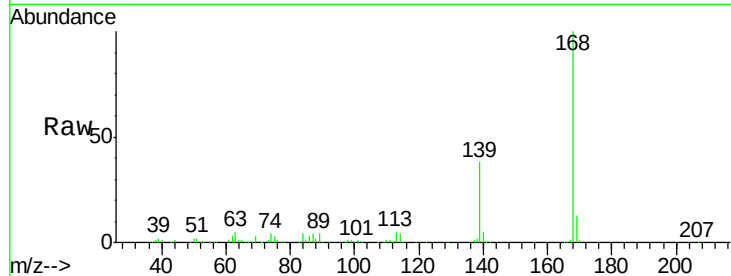
#55
Dibenzofuran
Concen: 7.468 ng
RT: 14.49 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.2	45.4
169	13.2	10.7	16.1

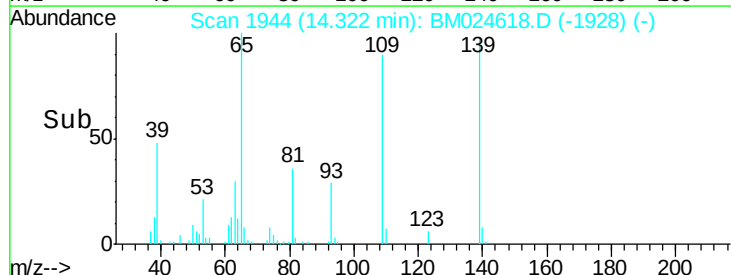
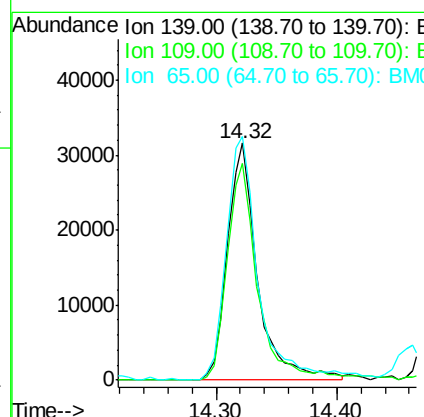
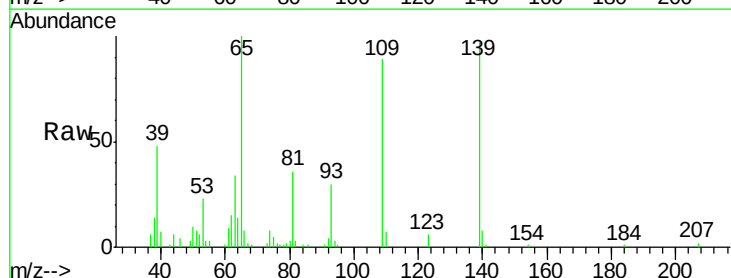
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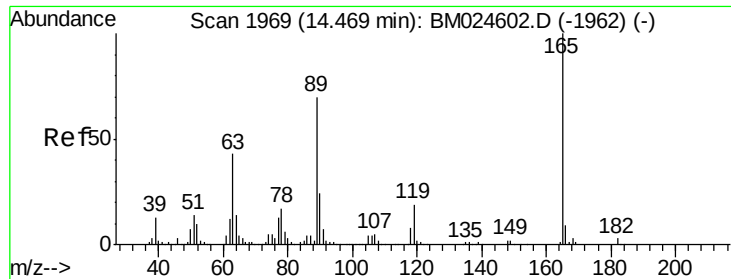
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#56
4-Nitrophenol
Concen: 6.423 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
139	100		
109	91.6	67.4	107.4
65	102.7	82.1	122.1





#57

2,4-Dinitrotoluene

Concen: 6.724 ng

RT: 14.46 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

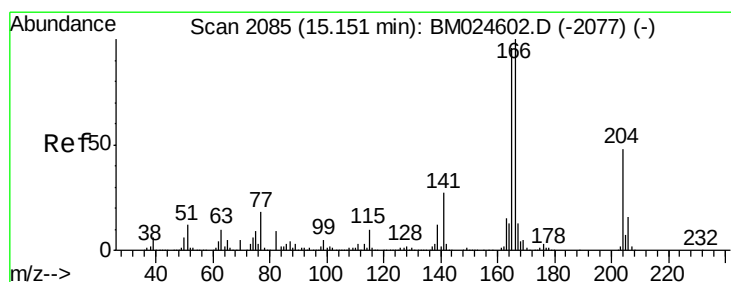
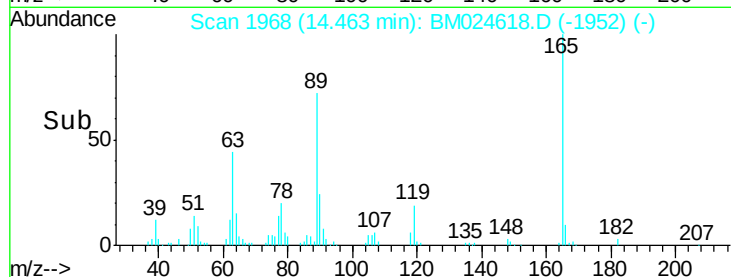
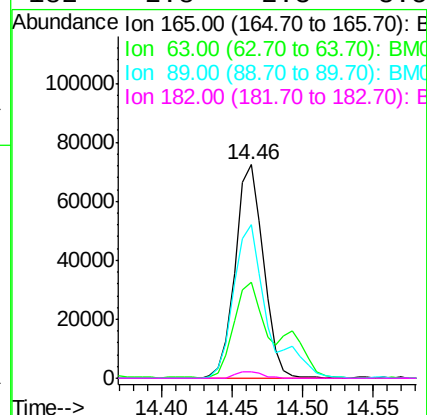
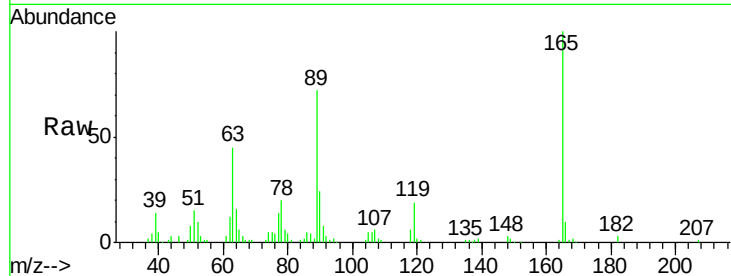
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		101323		
63	44.9	34.5	51.7		
89	71.9	55.8	83.8		
182	2.8	2.3	3.5		

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#58

Fluorene

Concen: 7.164 ng

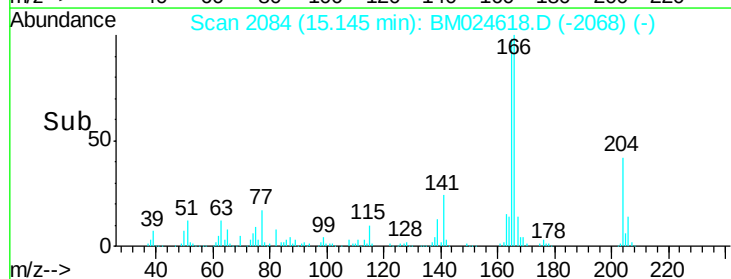
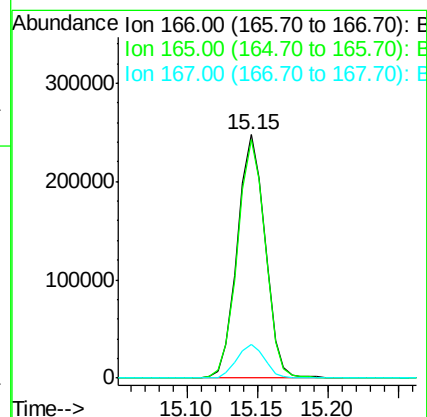
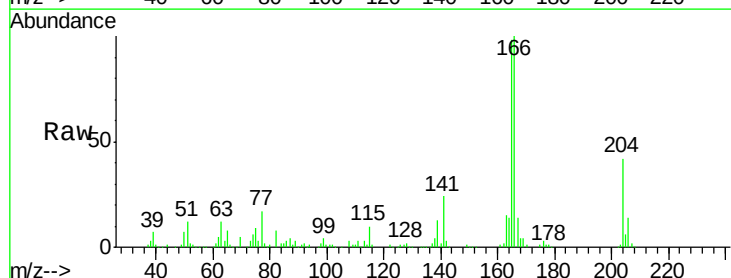
RT: 15.15 min Scan# 2084

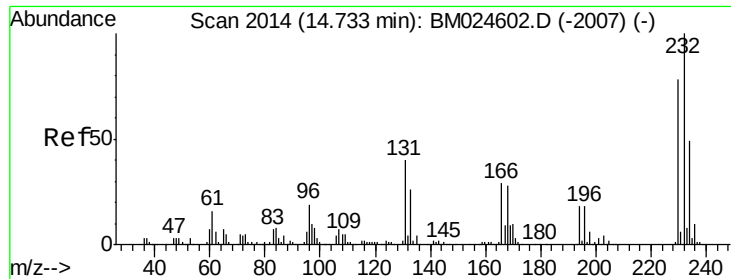
Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		340803		
165	98.0	76.6	114.8		
167	13.7	10.8	16.2		





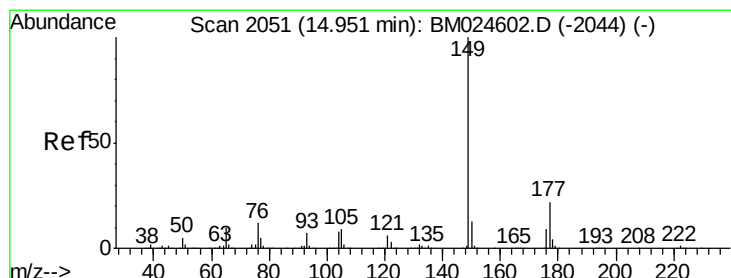
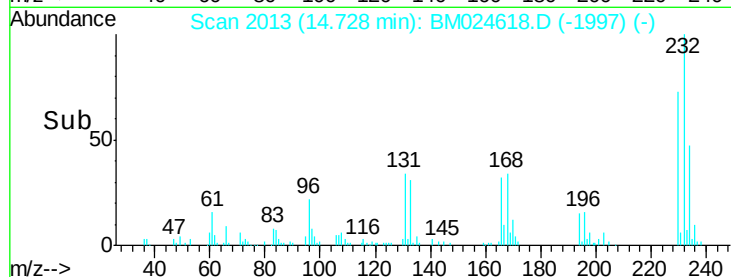
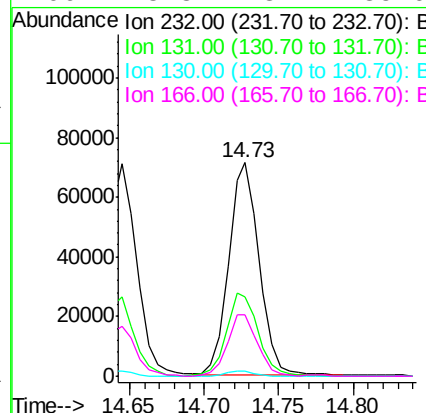
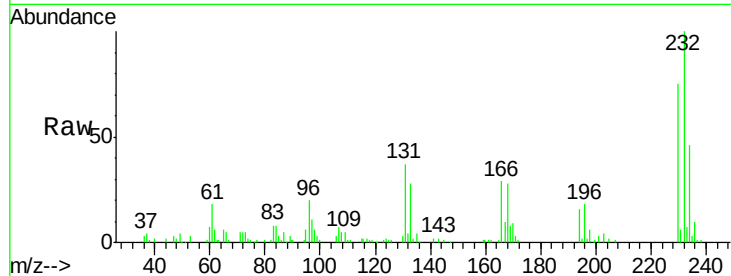
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.085 ng
RT: 14.73 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
232	100	101922		
131	41.1	32.2	48.4	
130	2.2	1.9	2.9	
166	28.8	23.4	35.0	

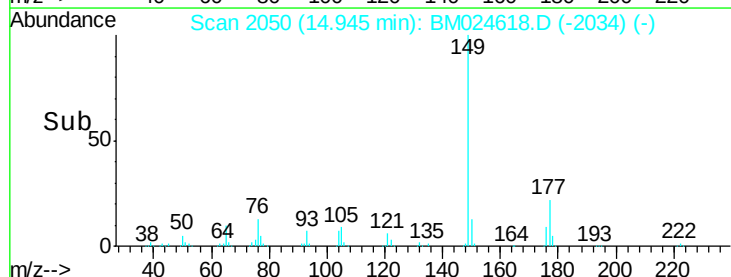
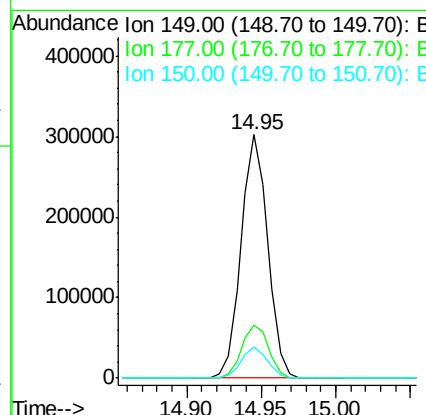
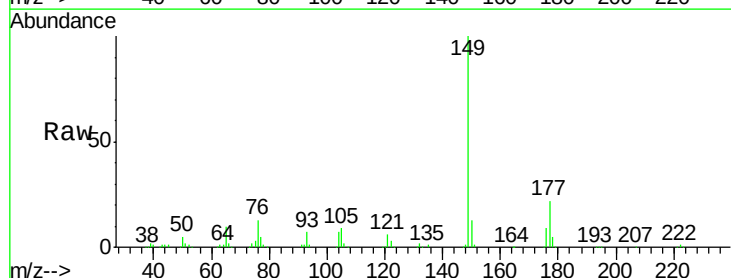
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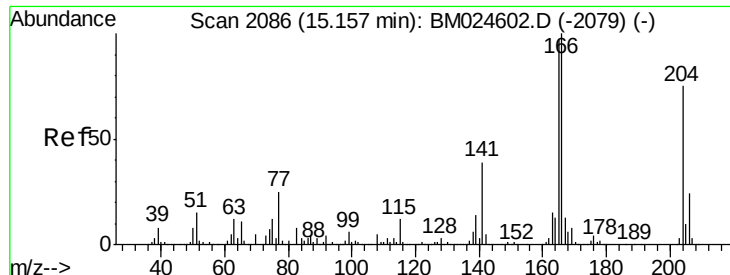
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#60
Diethylphthalate
Concen: 7.468 ng
RT: 14.95 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	374956		
177	22.0	18.0	27.0	
150	12.6	10.2	15.4	





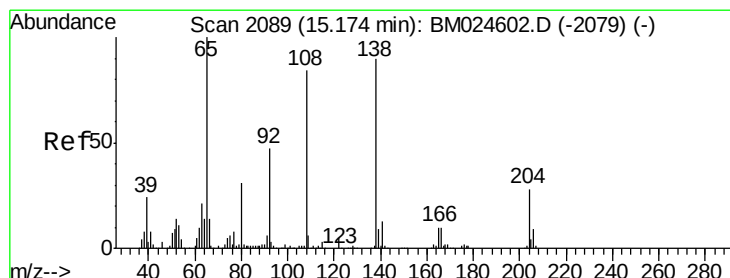
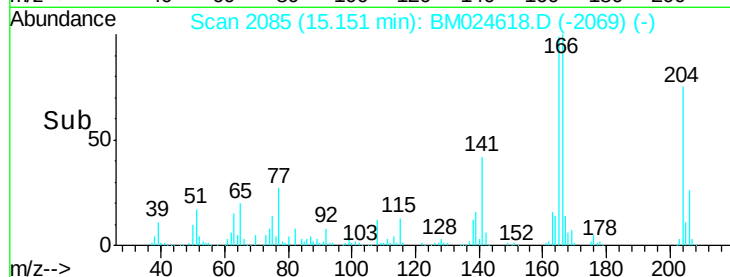
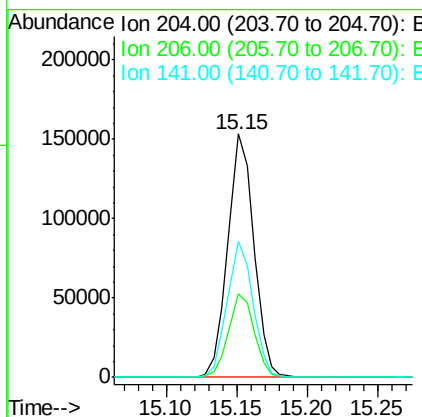
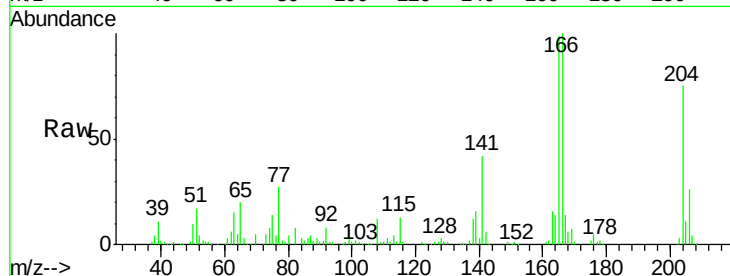
#61
 4-Chlorophenyl-phenylether
 Concen: 7.229 ng
 RT: 15.15 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	204	Resp:	198261
Ion Ratio	Lower	Upper	
204	100		
206	34.2	26.2	39.2
141	55.8	42.2	63.2

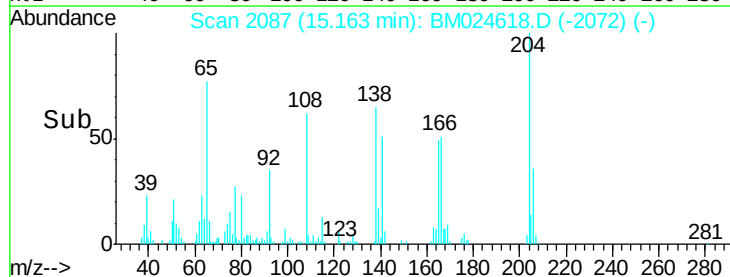
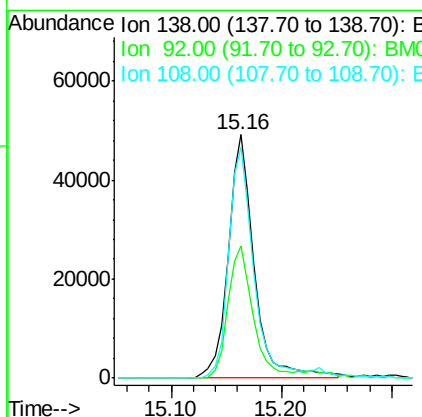
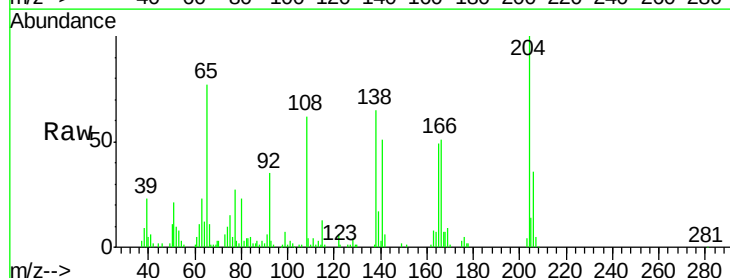
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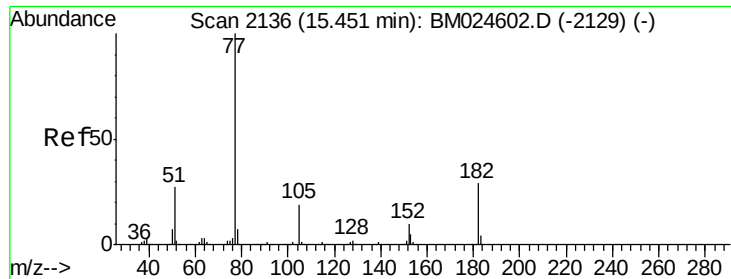
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#62
 4-Nitroaniline
 Concen: 6.742 ng
 RT: 15.16 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion:	138	Resp:	81162
Ion Ratio	Lower	Upper	
138	100		
92	54.1	32.4	72.4
108	94.8	73.3	113.3





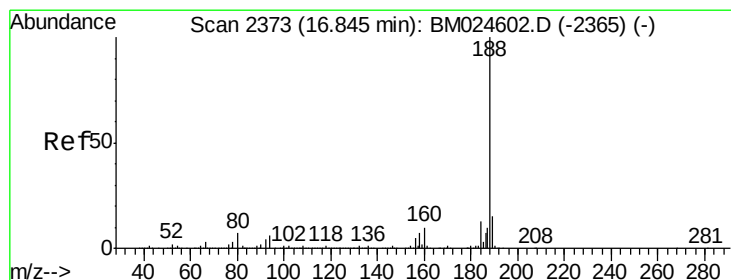
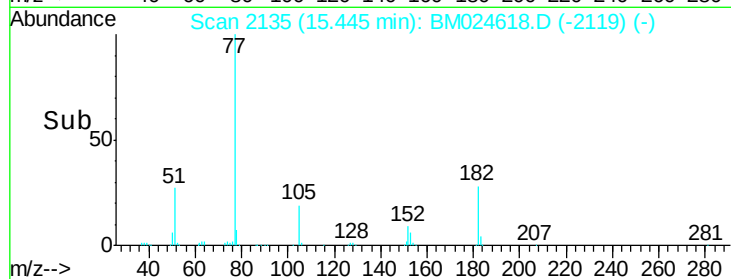
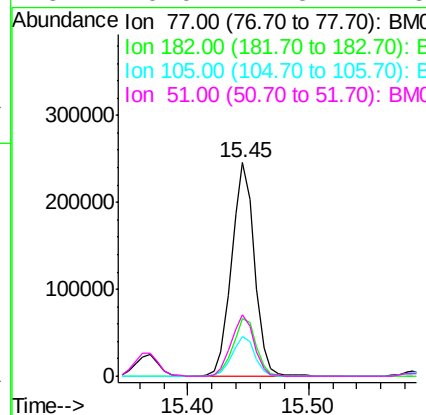
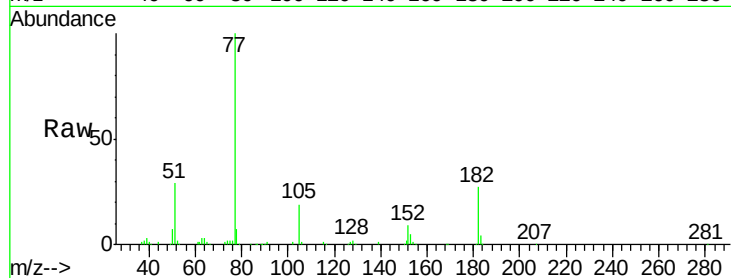
#63
Azobenzene
Concen: 7.504 ng
RT: 15.45 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
77	100		
182	27.2	8.7	48.7
105	18.6	0.0	39.2
51	29.0	7.5	47.5

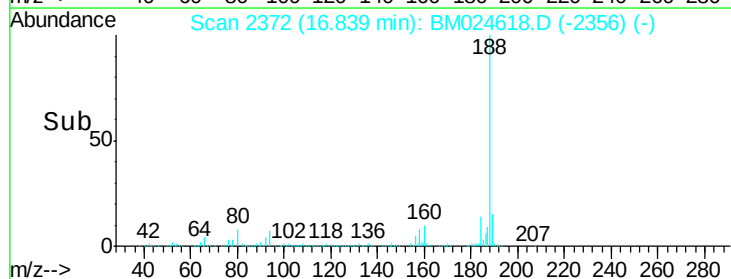
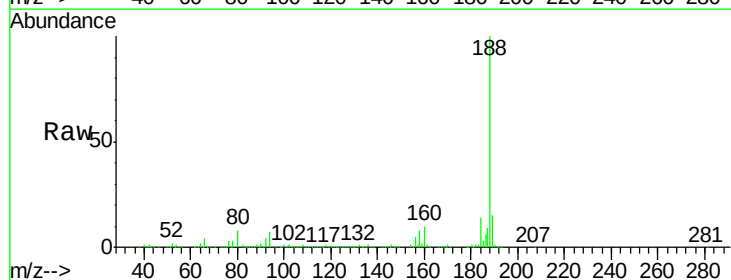
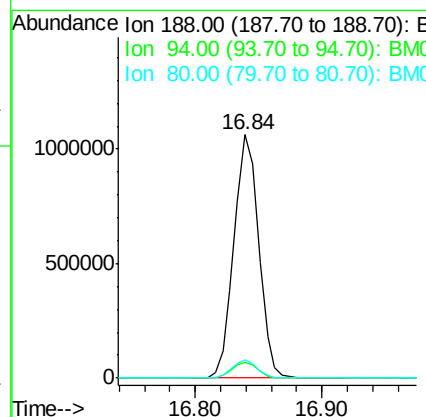
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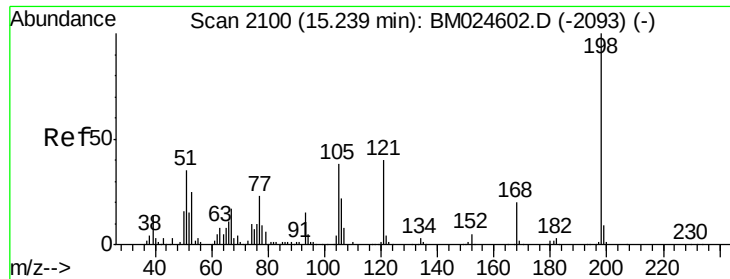
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.0	7.6
80	7.6	5.8	8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 5.681 ng

RT: 15.23 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

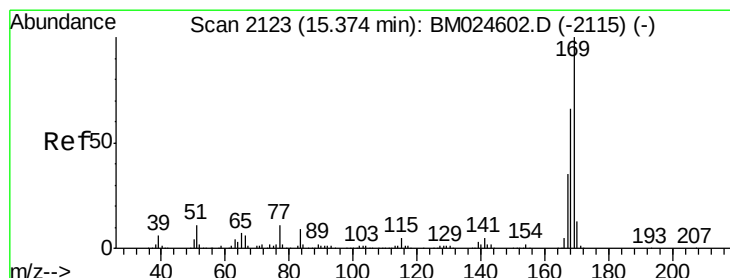
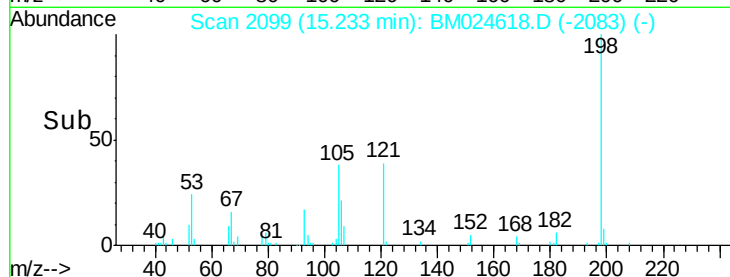
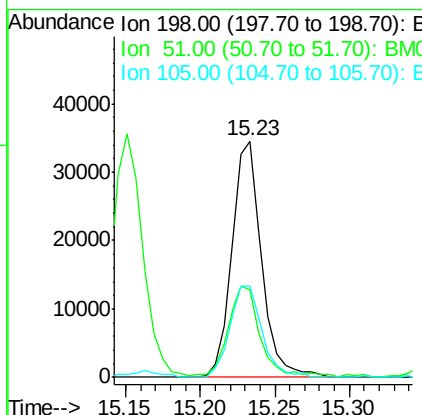
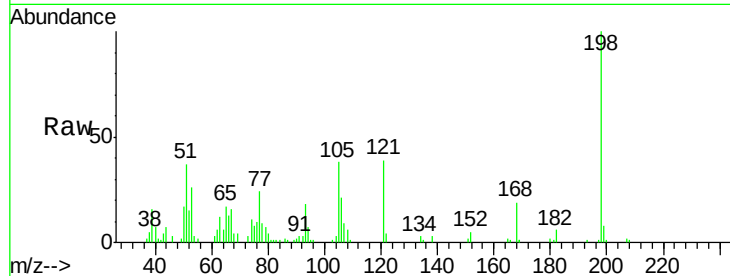
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	198	Resp:	48016
Ion Ratio	Lower	Upper	
198	100		
51	36.8	15.8	55.8
105	38.4	18.5	58.5

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#66

n-Nitrosodiphenylamine

Concen: 7.254 ng

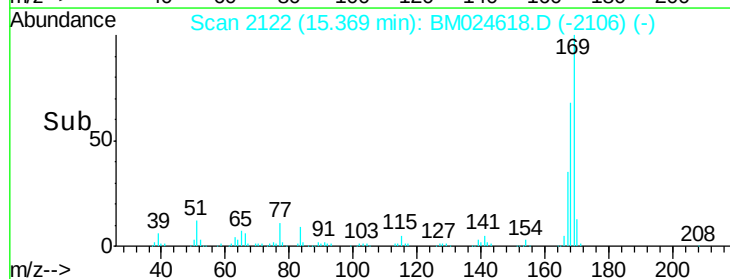
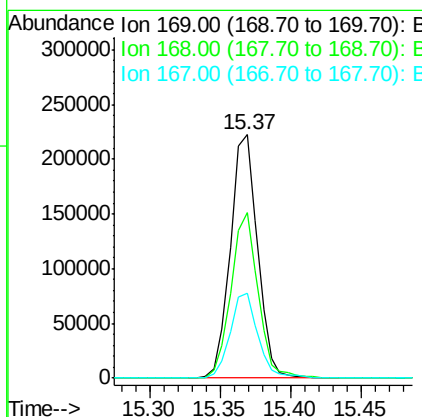
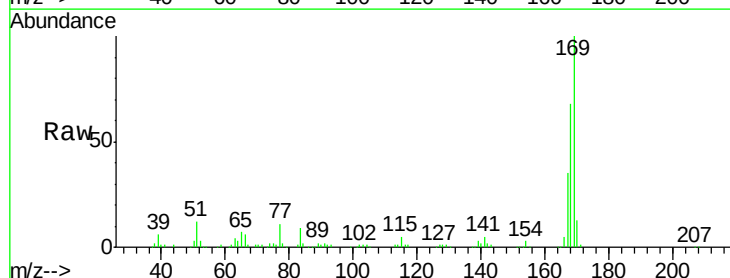
RT: 15.37 min Scan# 2122

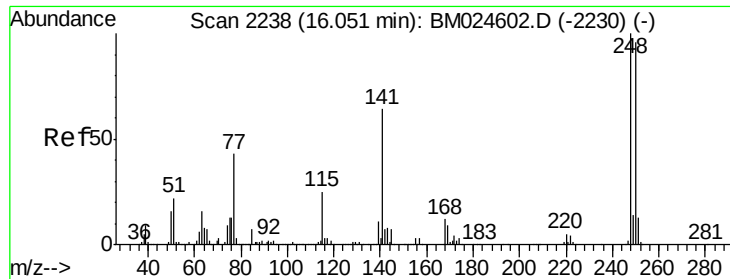
Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion:	169	Resp:	299503
Ion Ratio	Lower	Upper	
169	100		
168	67.9	52.8	79.2
167	34.7	28.2	42.2





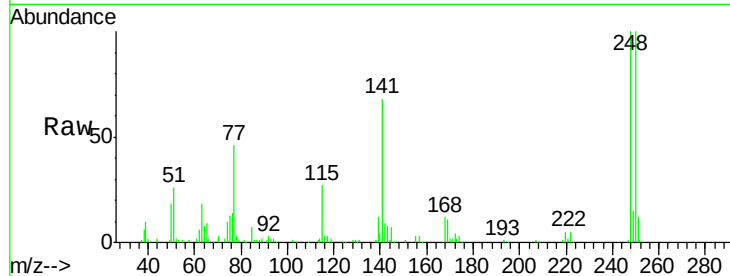
#67
 4-Bromophenyl-phenylether
 Concen: 7.165 ng
 RT: 16.05 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

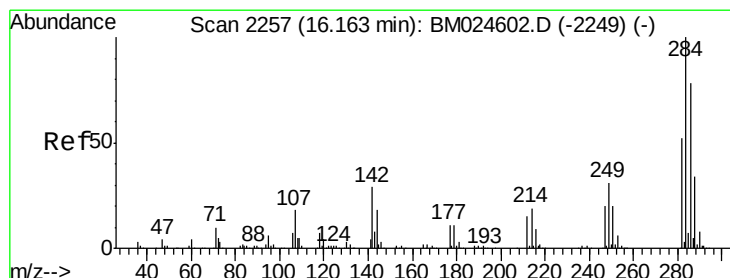
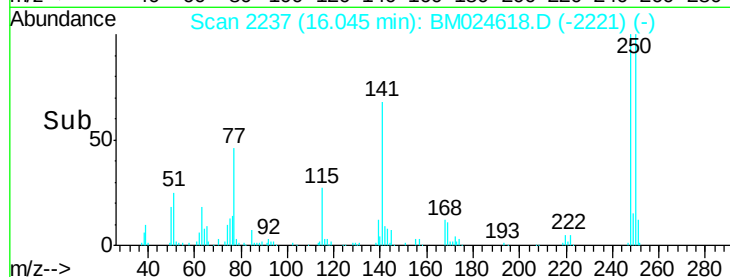
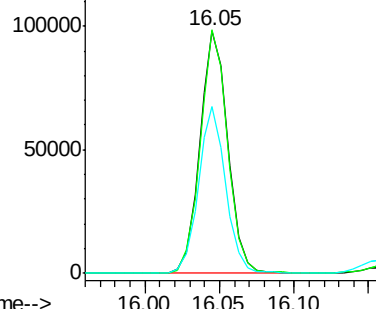
Tot Ion	Ratio	Lower	Upper
248	100		
250	100.4	77.0	115.6
141	68.6	50.9	76.3

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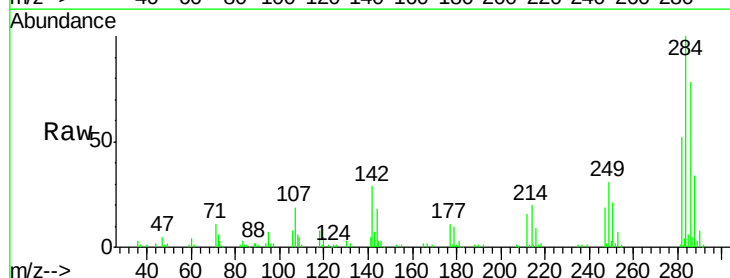


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

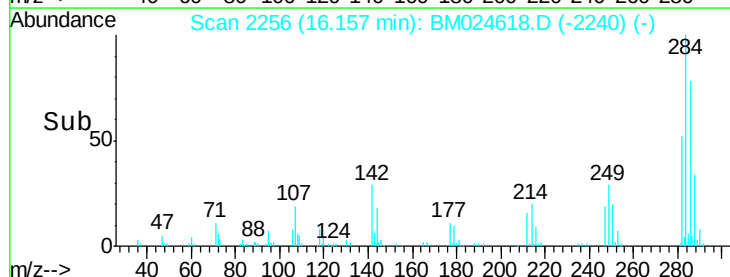
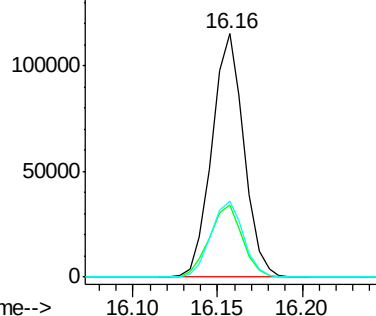


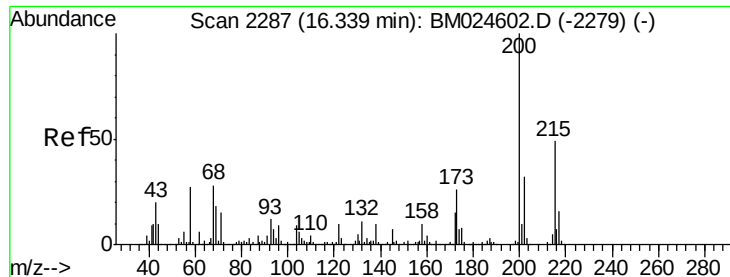
#68
 Hexachlorobenzene
 Concen: 7.408 ng
 RT: 16.16 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.4	23.5	35.3
249	31.3	24.6	36.8



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





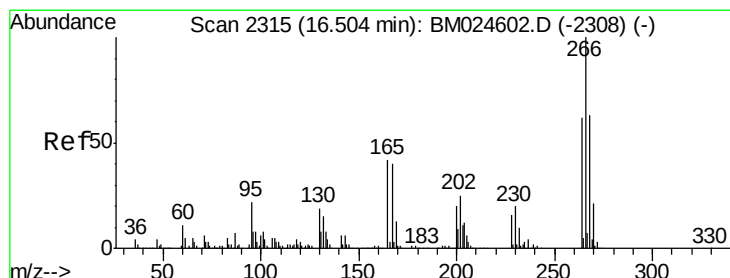
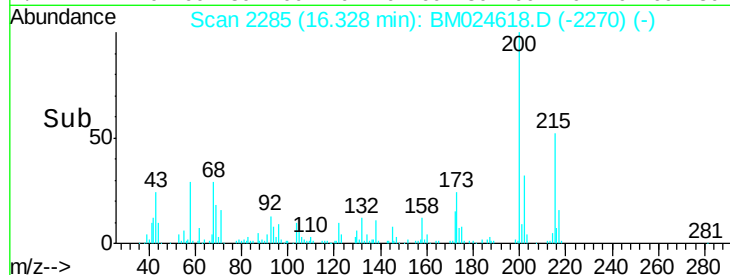
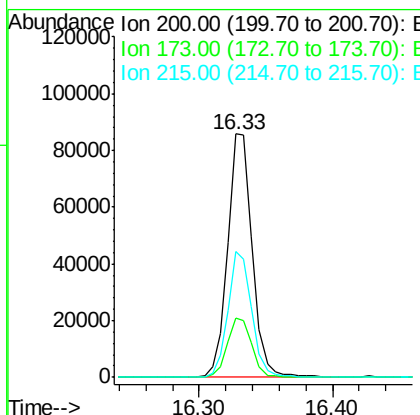
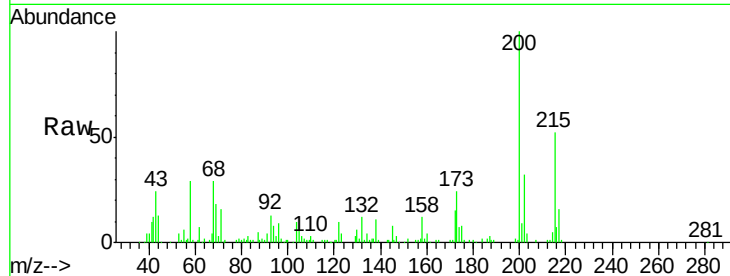
#69
Atrazine
Concen: 7.021 ng
RT: 16.33 min Scan# 2285
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
200	100			
173	24.5	5.5	45.5	
215	51.6	29.4	69.4	

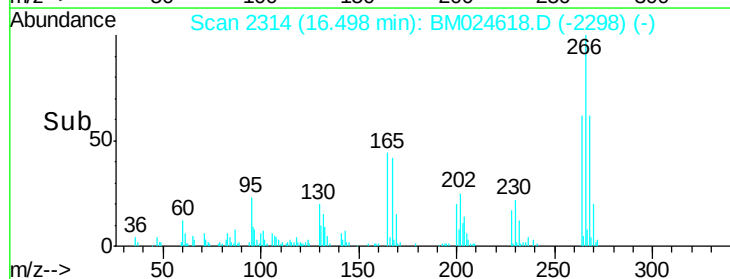
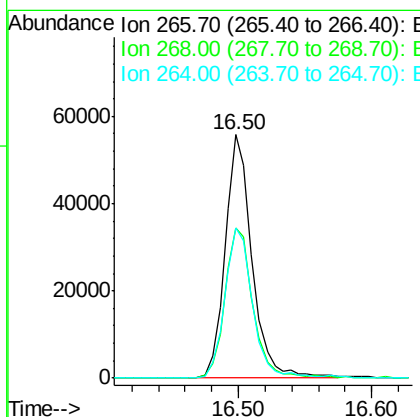
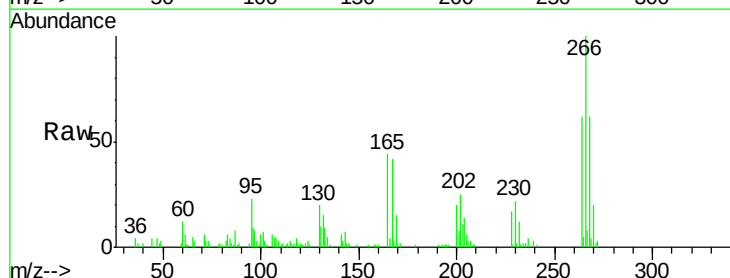
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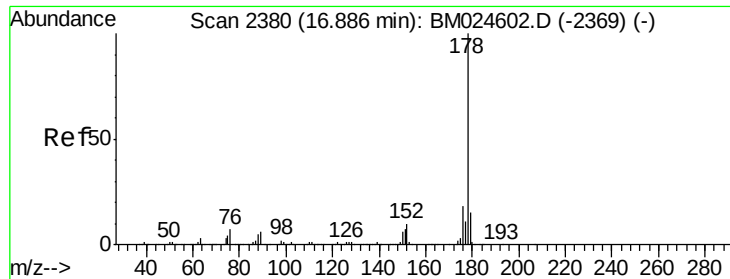
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#70
Pentachlorophenol
Concen: 6.315 ng
RT: 16.50 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	61.8	50.4	75.6	
264	61.8	49.9	74.9	





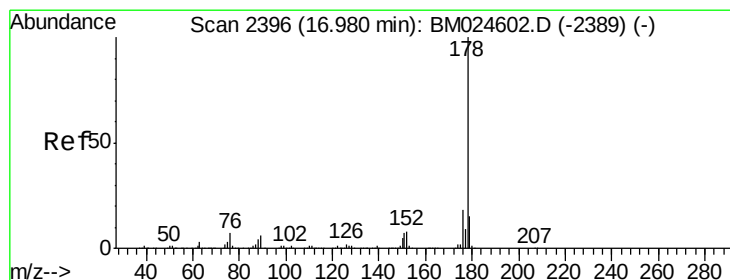
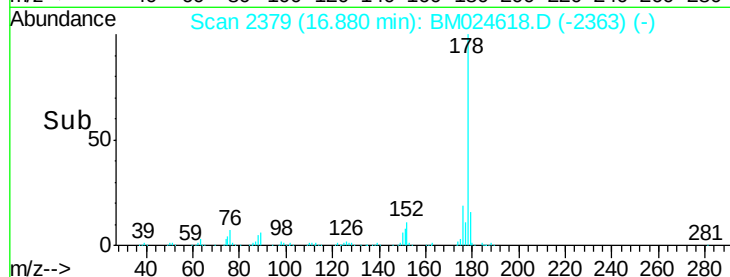
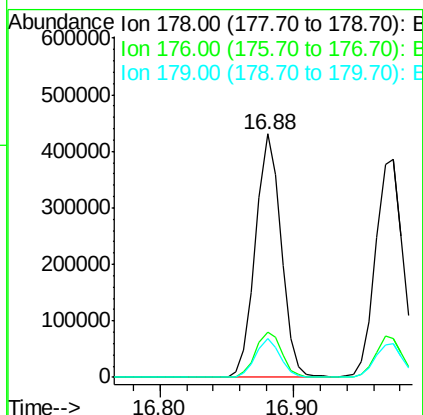
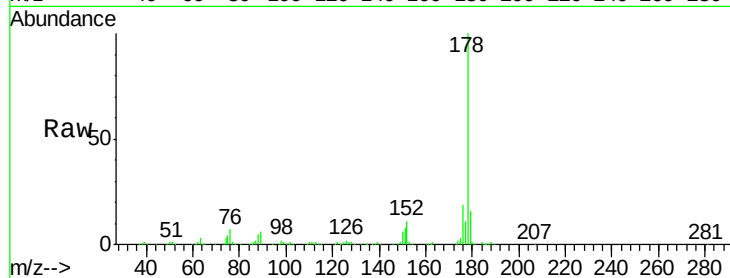
#71
Phenanthrene
Concen: 7.323 ng
RT: 16.88 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.5	21.7
179	15.7	11.9	17.9

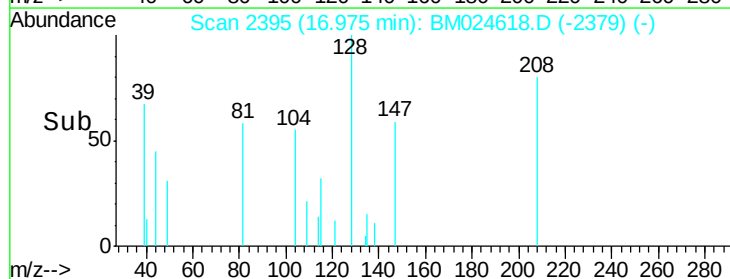
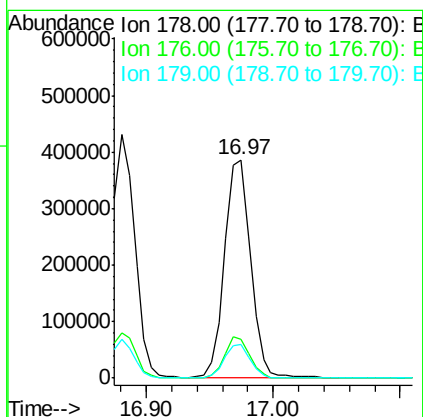
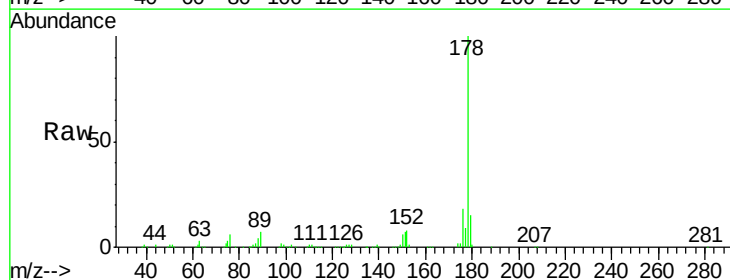
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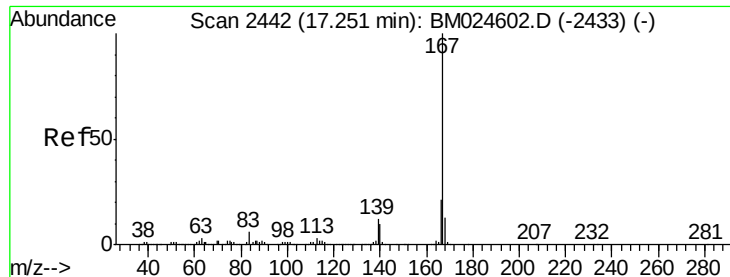
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#72
Anthracene
Concen: 7.191 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.3	21.5
179	15.2	12.1	18.1





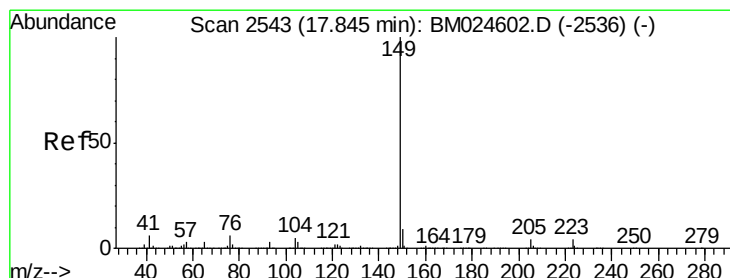
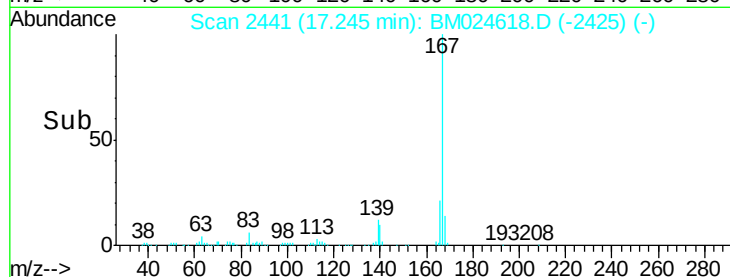
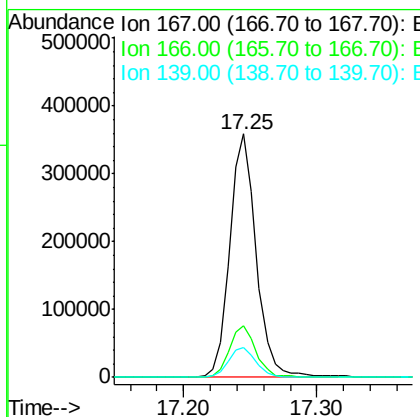
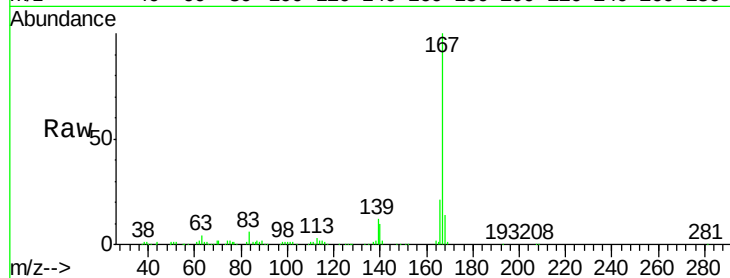
#73
 Carbazole
 Concen: 7.176 ng
 RT: 17.25 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	12.4	9.8	14.8

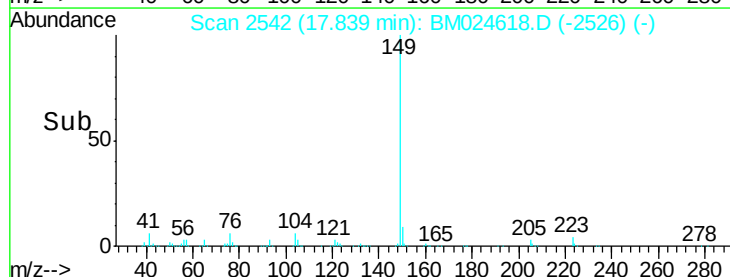
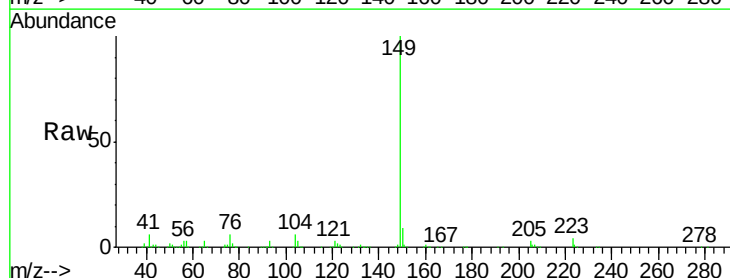
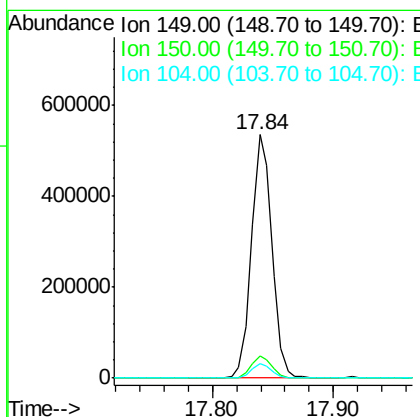
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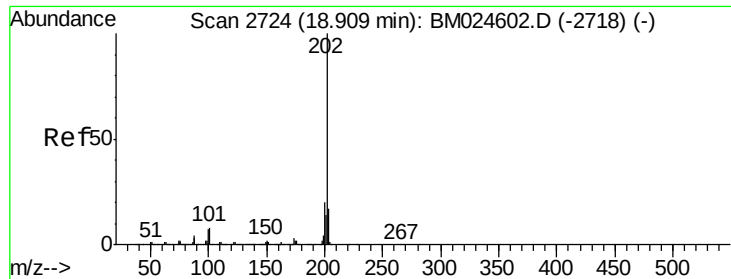
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#74
 Di-n-butylphthalate
 Concen: 7.092 ng
 RT: 17.84 min Scan# 2542
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	6.2	4.3	6.5





#75

Fluoranthene

Concen: 7.309 ng

RT: 18.90 min Scan# 2723

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

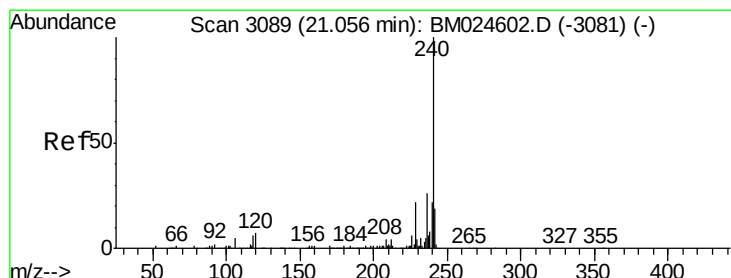
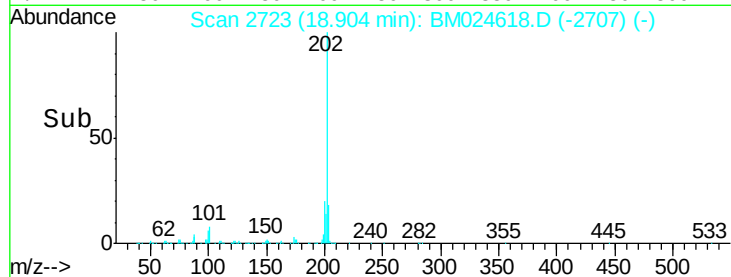
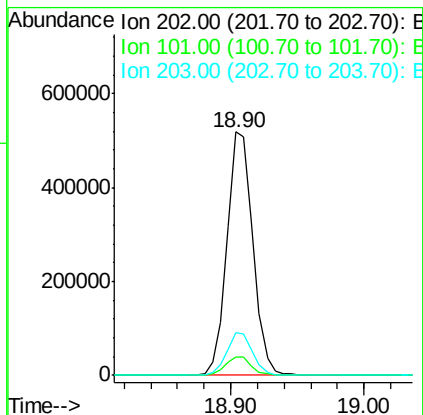
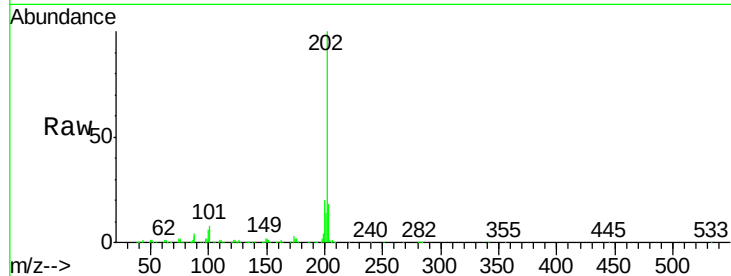
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	202	Resp:	710054
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	28.4
203	17.7	0.0	37.5

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#76

Chrysene-d12

Concen: 20.000 ng

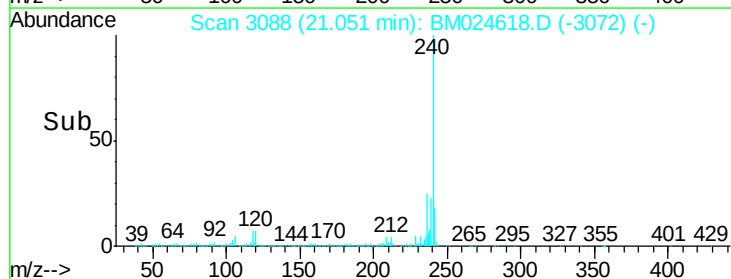
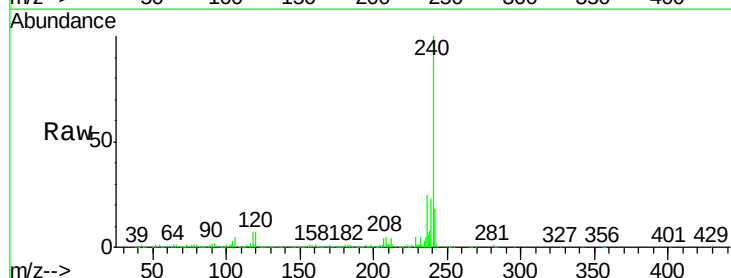
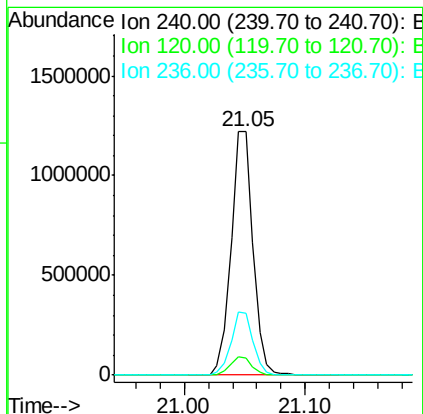
RT: 21.05 min Scan# 3088

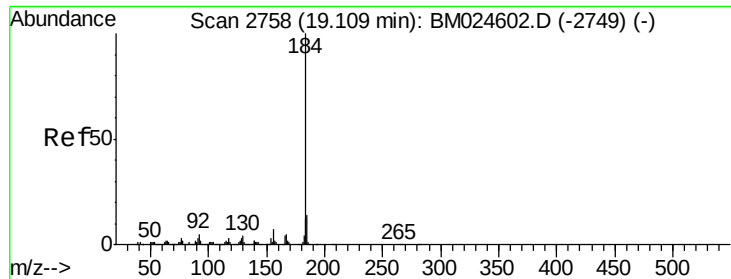
Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion:	240	Resp:	1548833
Ion Ratio	Lower	Upper	
240	100		
120	6.8	5.3	7.9
236	25.4	20.6	31.0





#77

Benzidine

Concen: 6.962 ng

RT: 19.10 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

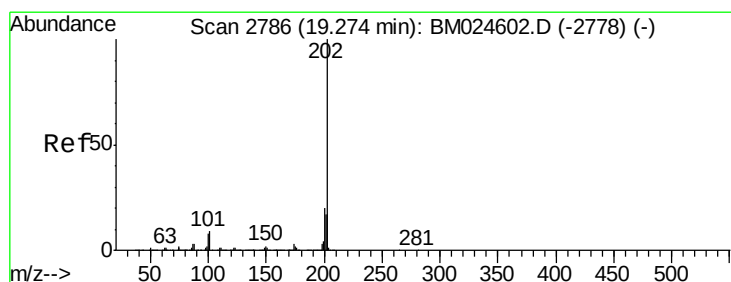
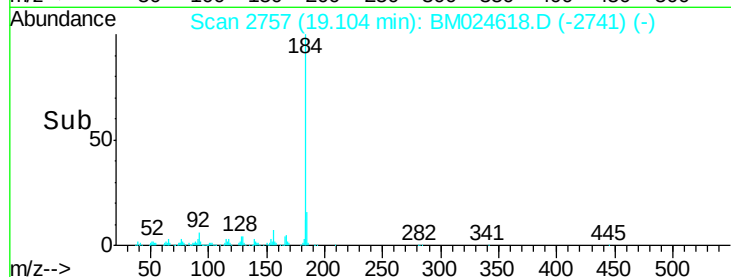
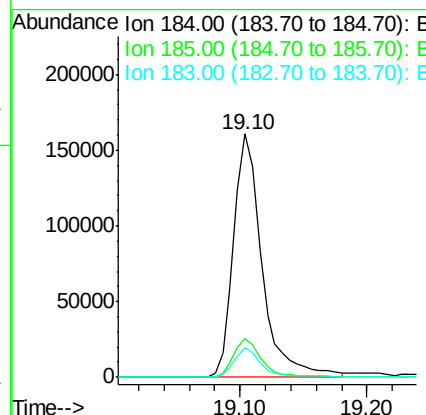
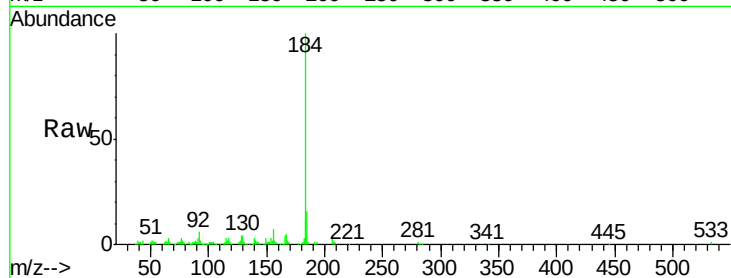
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	184	Resp:	251120
Ion Ratio	Lower	Upper	
184	100		
185	15.9	11.3	16.9
183	12.1	9.6	14.4

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#78

Pyrene

Concen: 7.311 ng

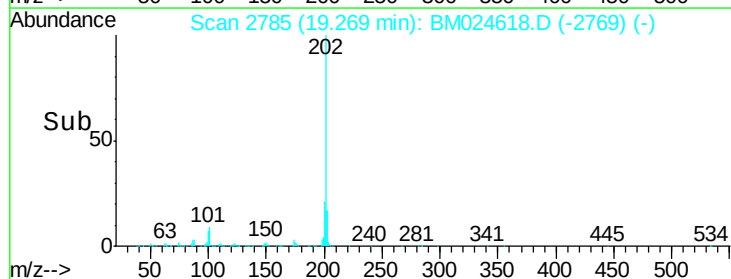
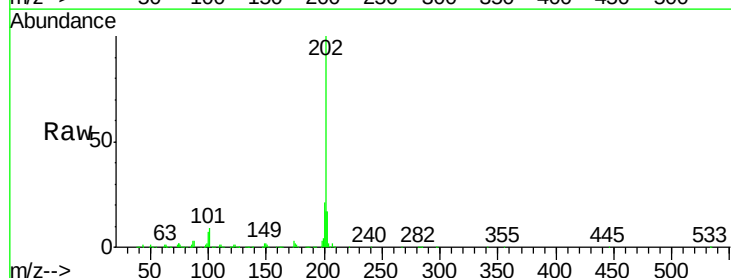
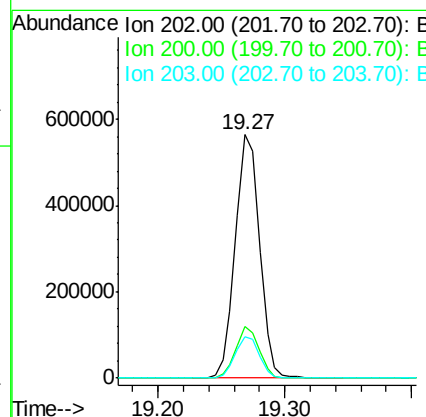
RT: 19.27 min Scan# 2785

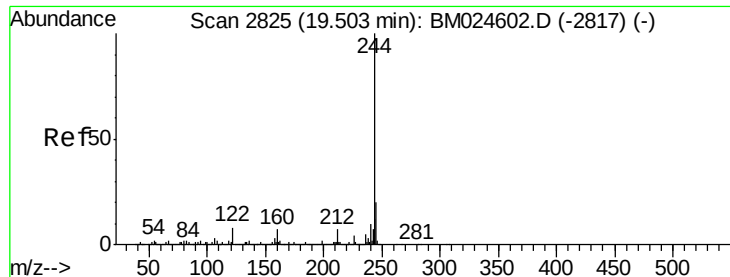
Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion:	202	Resp:	746497
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.2	24.2
203	17.0	14.0	21.0





#79

Terphenyl-d14

Concen: 81.242 ng

RT: 19.50 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:244 Resp: 6740047

Ion Ratio Lower Upper

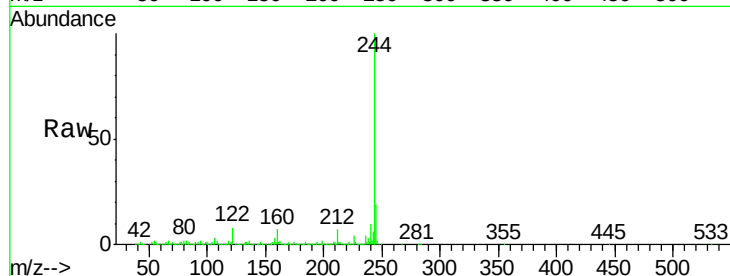
244 100

212 6.8 5.4 8.2

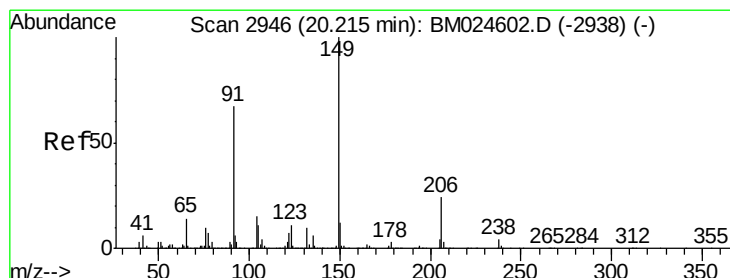
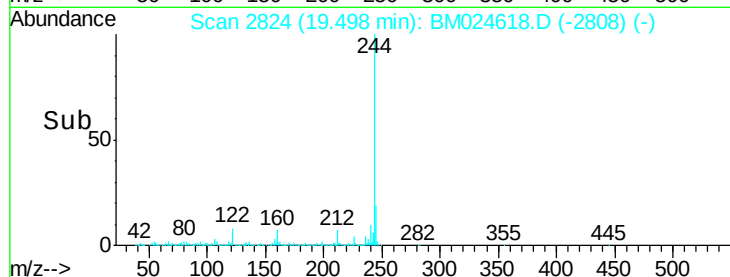
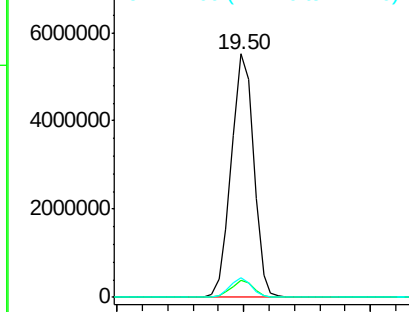
122 7.9 6.2 9.4

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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: 6.535 ng

RT: 20.21 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

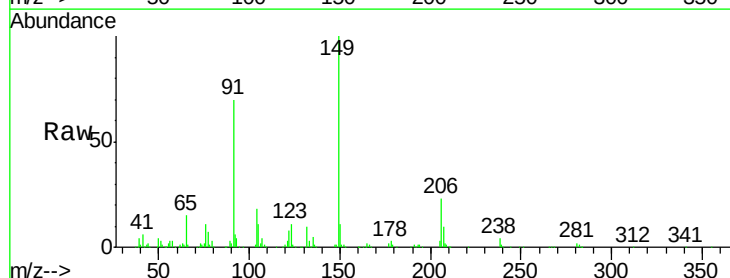
Tgt Ion:149 Resp: 279981

Ion Ratio Lower Upper

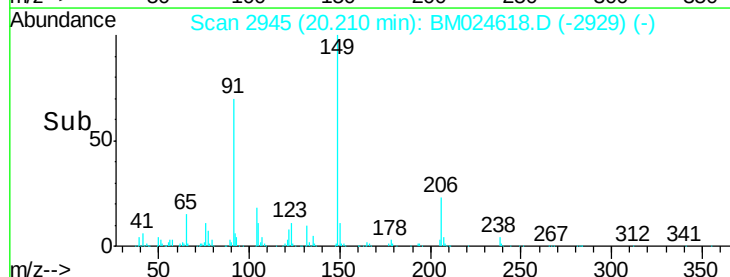
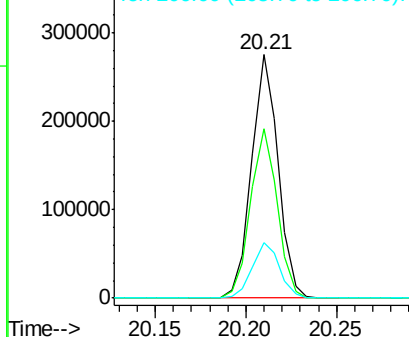
149 100

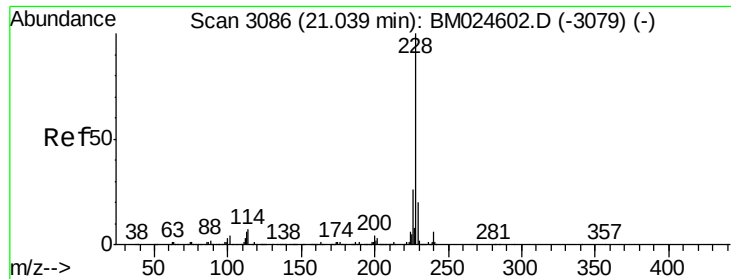
91 69.7 53.9 80.9

206 22.9 19.0 28.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM0
Ion 206.00 (205.70 to 206.70): E





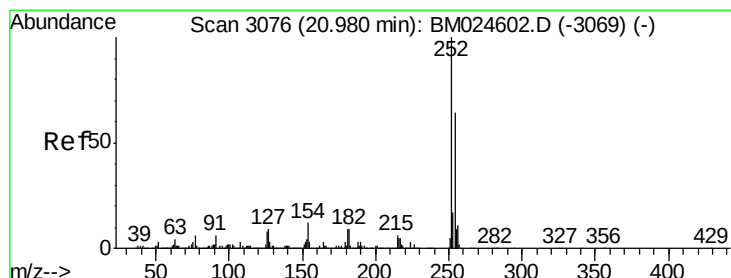
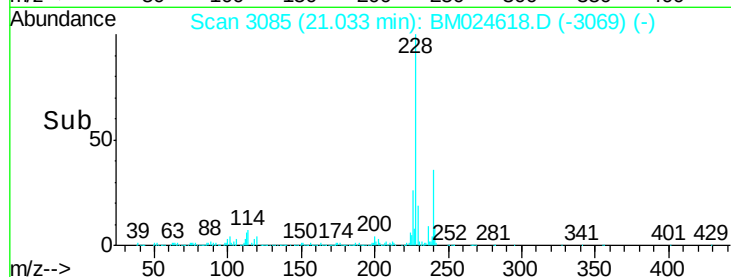
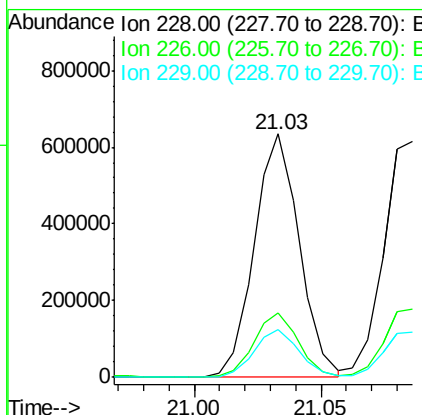
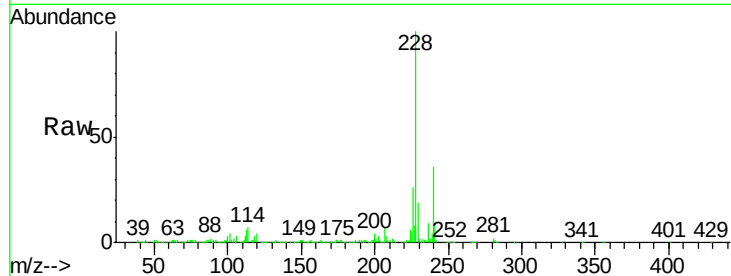
#81
Benzo(a)anthracene
Concen: 7.323 ng
RT: 21.03 min Scan# 3085
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.1	31.7
229	19.4	15.8	23.6

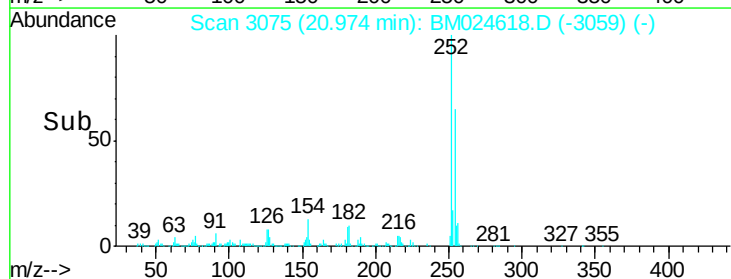
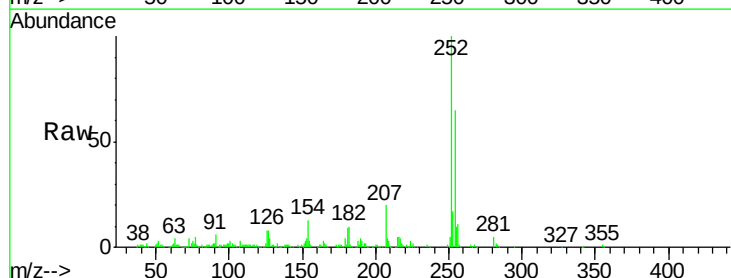
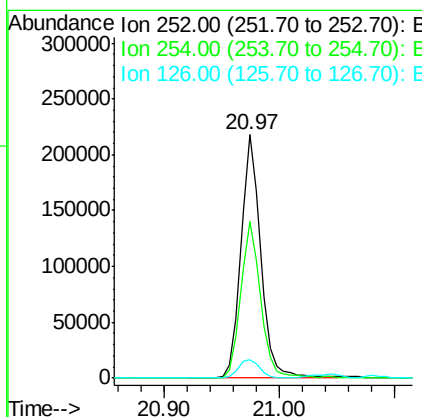
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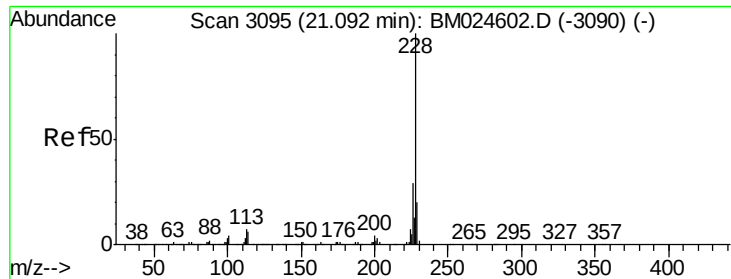
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#82
3,3'-Dichlorobenzidine
Concen: 6.733 ng
RT: 20.97 min Scan# 3075
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.5	77.3
126	7.6	6.7	10.1





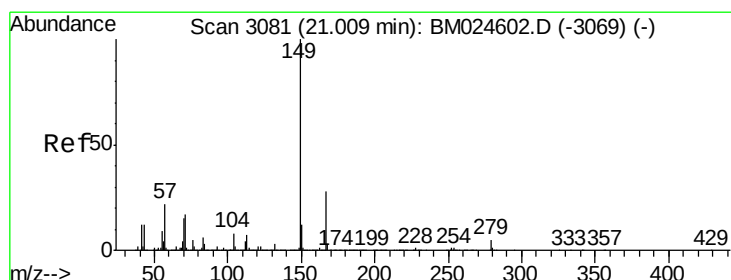
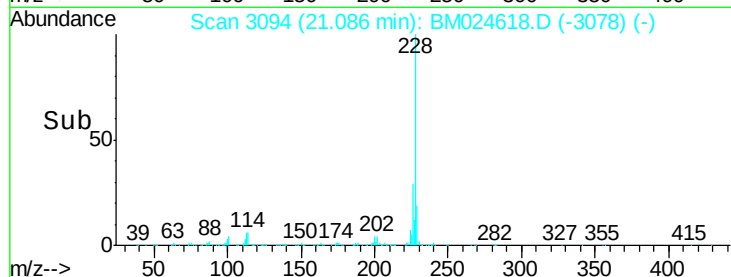
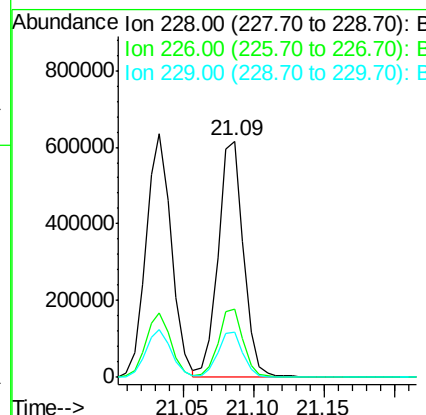
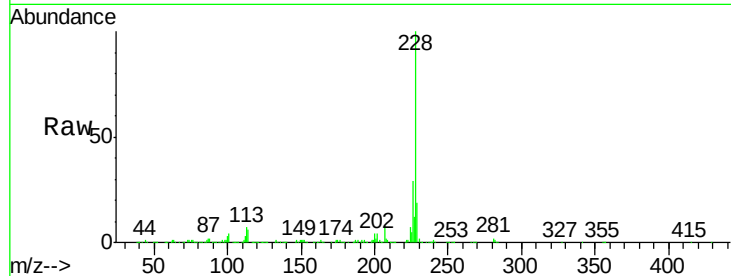
#83
Chrysene
Concen: 7.436 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	19.1	15.7	23.5

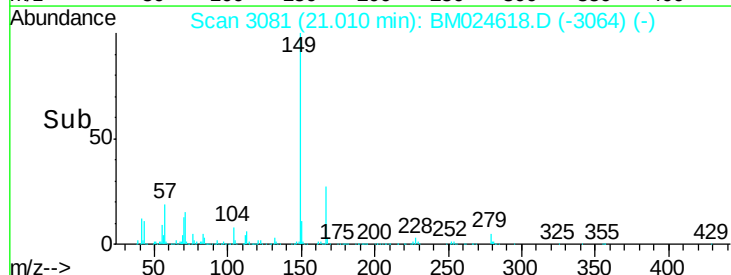
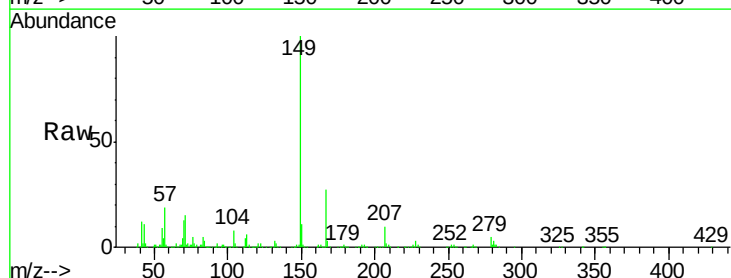
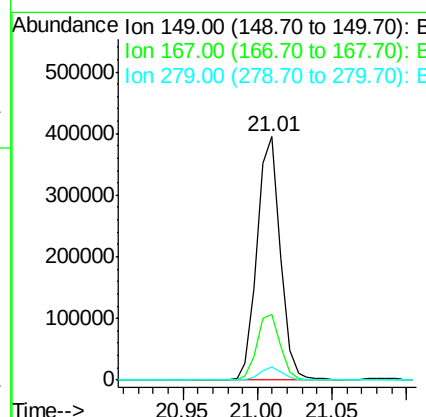
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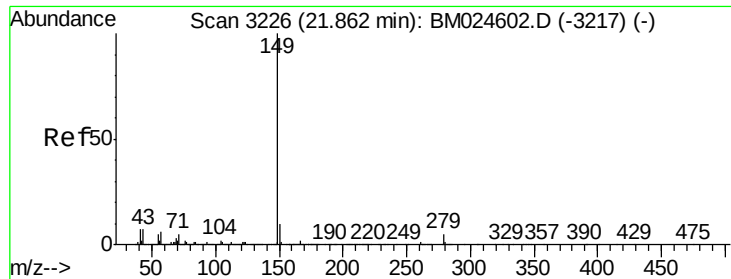
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#84
Bis(2-ethylhexyl)phthalate
Concen: 6.634 ng
RT: 21.01 min Scan# 3081
Delta R.T. 0.00 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.5	33.7
279	5.3	4.0	6.0





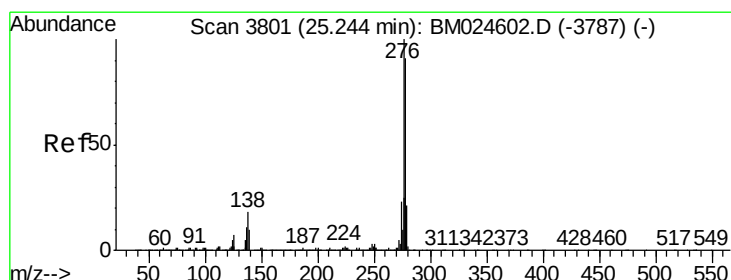
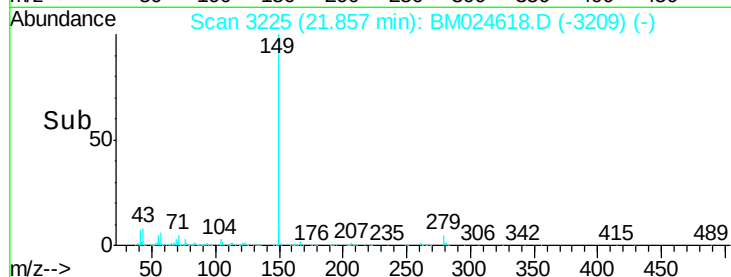
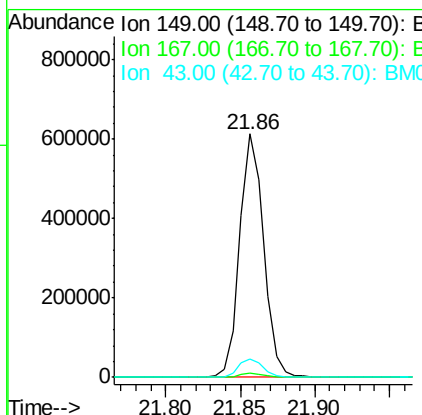
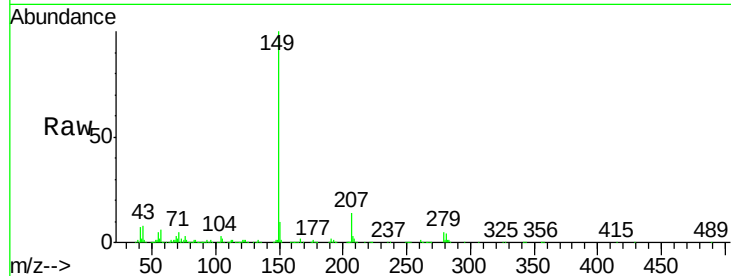
#85
Di-n-octyl phthalate
Concen: 6.516 ng
RT: 21.86 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
149	100	680585		
167	1.6		1.3	1.9
43	7.9		5.8	8.6

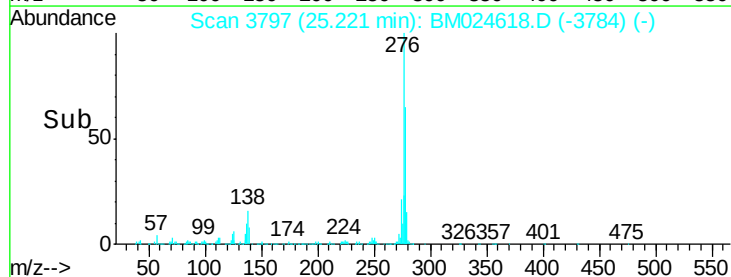
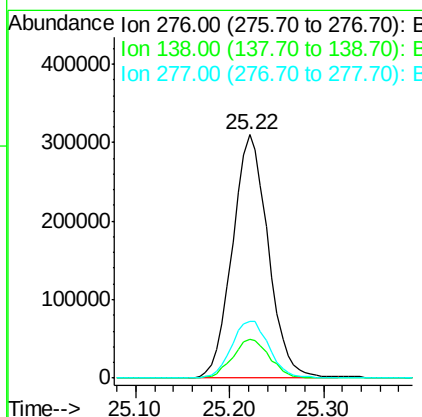
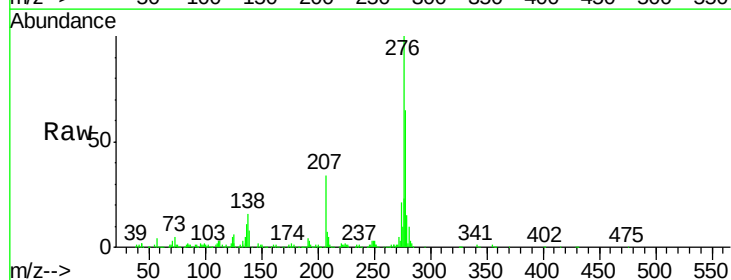
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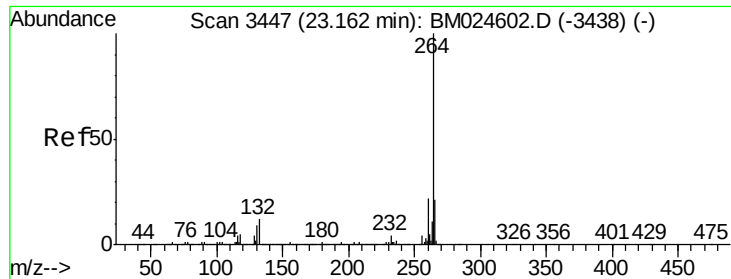
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.317 ng
RT: 25.22 min Scan# 3797
Delta R.T. -0.02 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	818067		
138	16.8		13.4	20.0
277	24.6		19.6	29.4





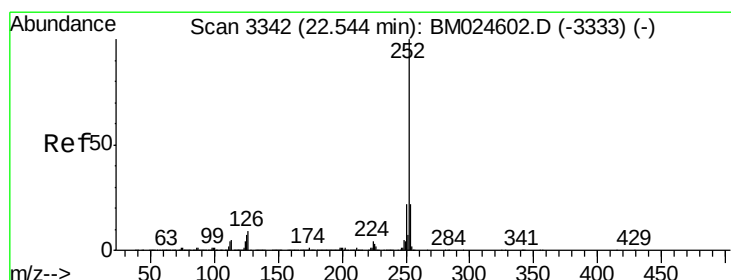
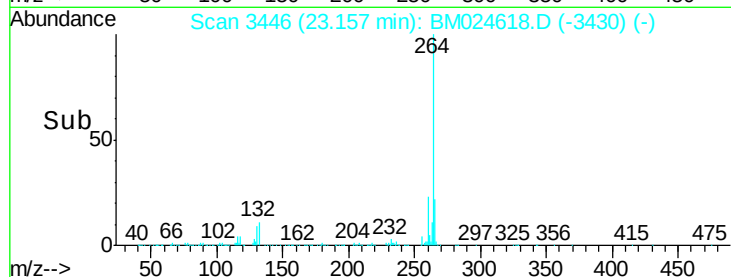
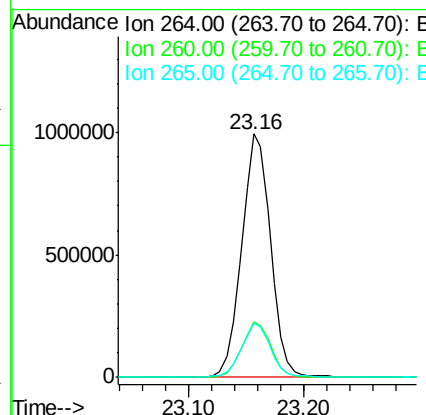
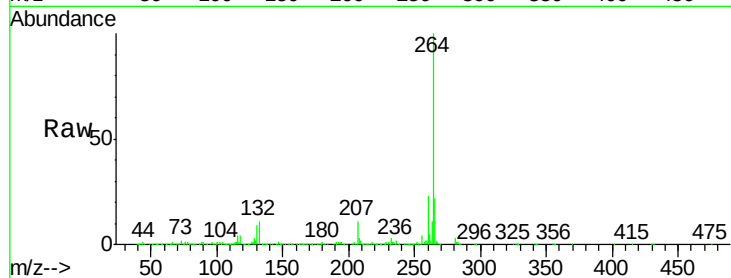
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.16 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:264 Resp: 1724049
Ion Ratio Lower Upper
264 100
260 22.7 17.9 26.9
265 22.5 17.3 25.9

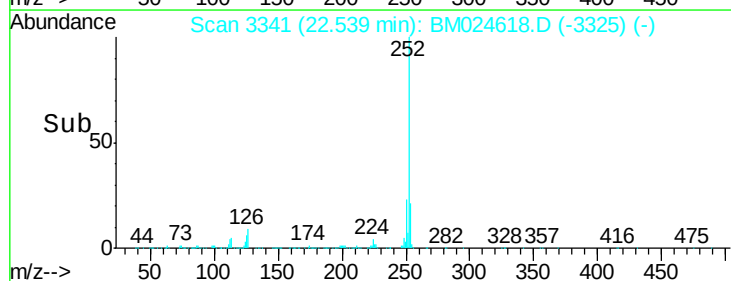
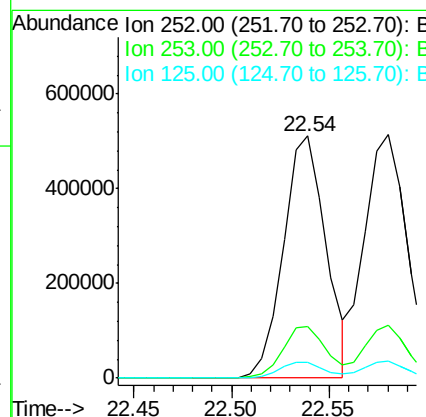
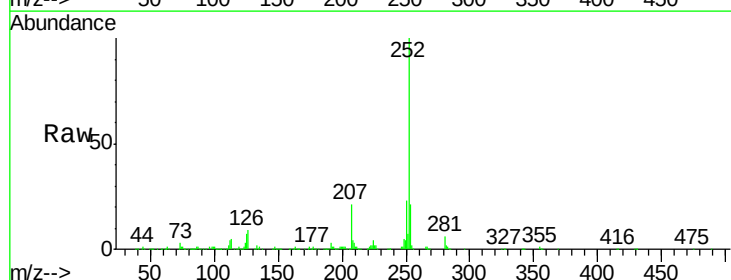
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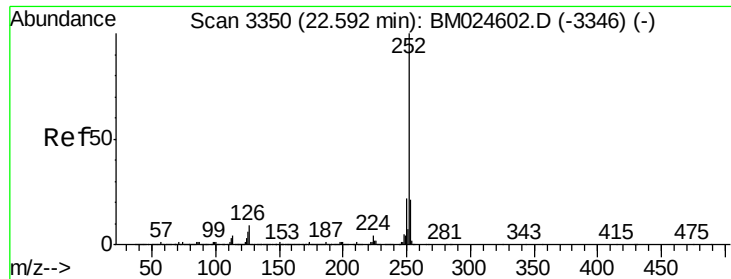
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#88
Benzo(b)fluoranthene
Concen: 6.891 ng
RT: 22.54 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:252 Resp: 770564
Ion Ratio Lower Upper
252 100
253 21.2 17.6 26.4
125 6.6 5.7 8.5





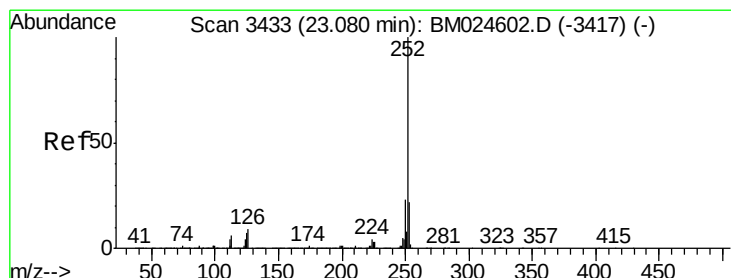
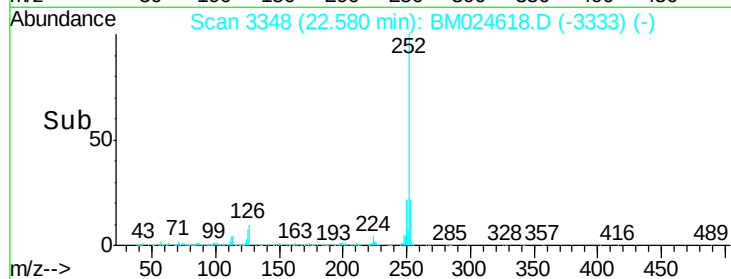
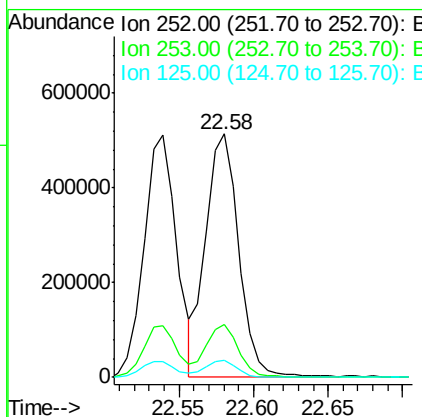
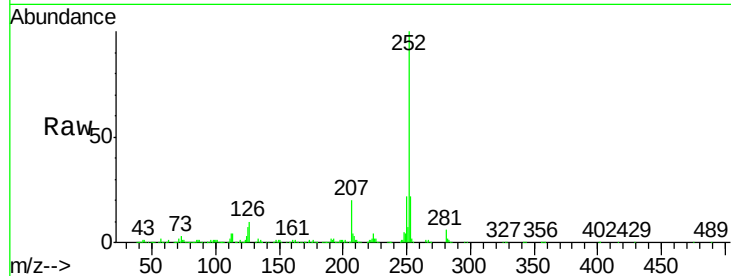
#89
Benzo(k)fluoranthene
Concen: 7.209 ng
RT: 22.58 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	7.1	5.2	7.8

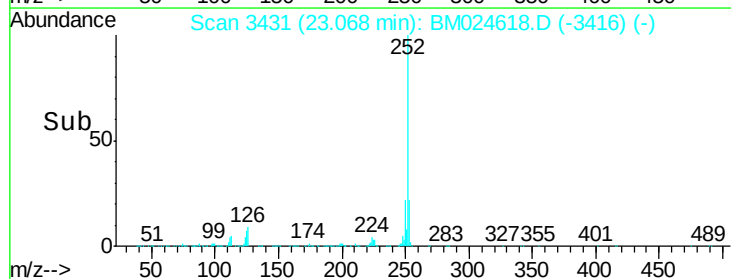
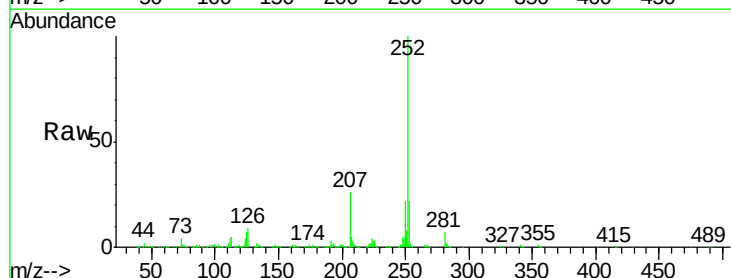
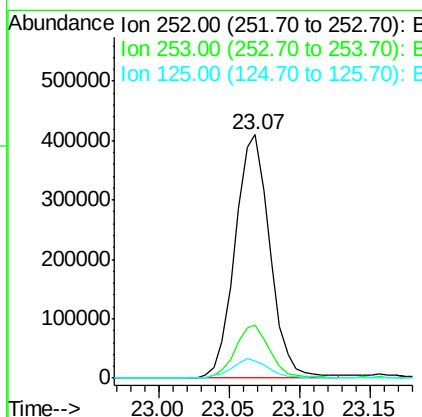
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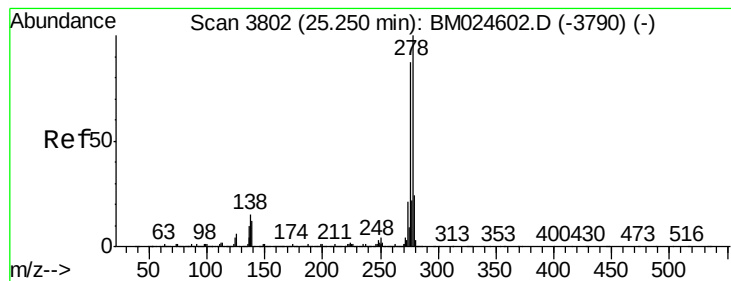
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#90
Benzo(a)pyrene
Concen: 6.925 ng
RT: 23.07 min Scan# 3431
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	6.9	5.8	8.8





#91

Dibenzo(a,h)anthracene

Concen: 7.020 ng

RT: 25.23 min Scan# 3799

Delta R.T. -0.02 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

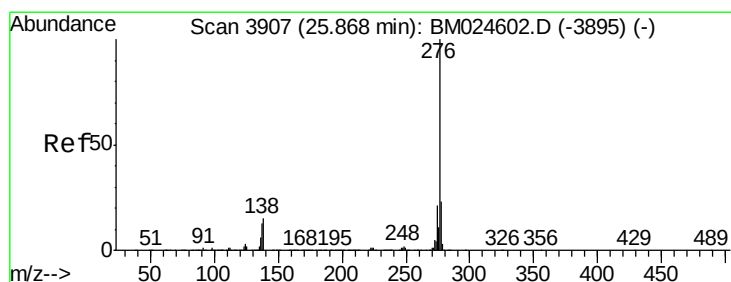
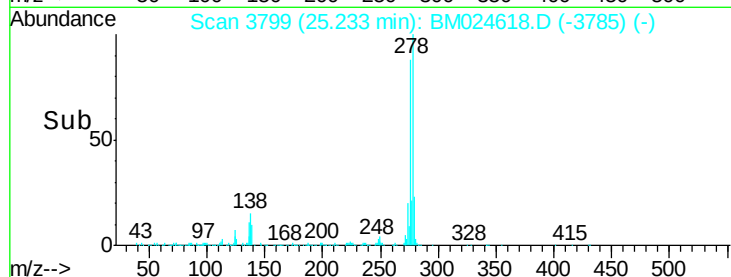
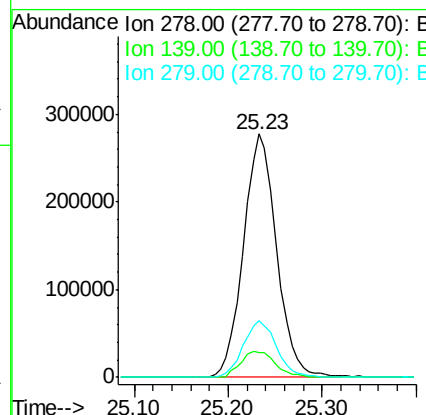
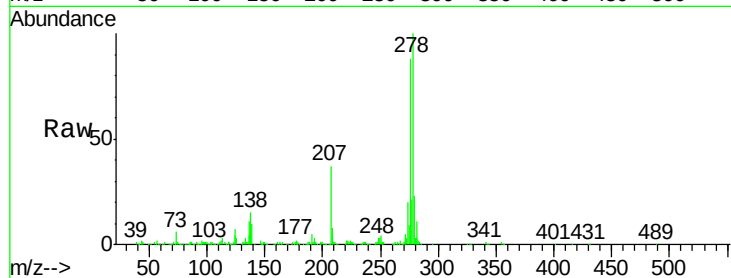
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:278	Resp:	677338
Ion Ratio	Lower	Upper
278 100		
139 10.4	9.3	13.9
279 23.4	18.9	28.3

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 7.017 ng

RT: 25.84 min Scan# 3903

Delta R.T. -0.02 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion:276	Resp:	614778
Ion Ratio	Lower	Upper
276 100		
277 23.1	18.6	28.0
138 14.8	11.9	17.9

