

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061920\
 Data File : BM026477.D
 Acq On : 19 Jun 2020 22:06
 Operator : JU/CG
 Sample : L2182-02
 Misc : L00--S-10PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Quant Time: Jun 20 04:56:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 20 04:14:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	97139	20.00	ng	0.00
21) Naphthalene-d8	10.15	136	432972	20.00	ng	0.00
39) Acenaphthene-d10	14.04	164	307239	20.00	ng	0.00
64) Phenanthrene-d10	16.80	188	694421	20.00	ng	0.00
76) Chrysene-d12	21.01	240	697271	20.00	ng	0.00
86) Perylene-d12	23.10	264	657118	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	758232	138.01	ng	0.00
7) Phenol-d6	6.59	99	1153671	145.01	ng	0.00
23) Nitrobenzene-d5	8.53	82	895540	101.56	ng	0.00
42) 2,4,6-Tribromophenol	15.55	330	628439	168.86	ng	0.00
45) 2-Fluorobiphenyl	12.66	172	2026767	100.14	ng	0.00
79) Terphenyl-d14	19.46	244	3575205	99.53	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	23746	9.586	ng	95
3) Pyridine	3.40	79	56907	7.822	ng	98
4) n-Nitrosodimethylamine	3.31	42	35256	9.787	ng	83
6) Aniline	6.73	93	97189	9.313	ng	99
8) 2-Chlorophenol	6.96	128	57650	9.097	ng	93
9) Benzaldehyde	6.55	77	61524	12.128	ng	100
10) Phenol	6.62	94	77041	9.093	ng	91
11) bis(2-Chloroethyl)ether	6.83	93	61917	9.073	ng	96
12) 1,3-Dichlorobenzene	7.27	146	62786	8.949	ng	98
13) 1,4-Dichlorobenzene	7.42	146	65204	9.124	ng	96
14) 1,2-Dichlorobenzene	7.73	146	63365	9.077	ng	99
15) Benzyl Alcohol	7.64	79	59140	8.754	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.92	45	122735	9.630	ng	99
17) 2-Methylphenol	7.85	107	51761	8.359	ng	97
18) Hexachloroethane	8.44	117	24694	9.124	ng	99
19) n-Nitroso-di-n-propylamine	8.20	70	62611	10.099	ng	94
20) 3+4-Methylphenols	8.17	107	70114	8.307	ng	98
22) Acetophenone	8.20	105	108476	9.743	ng	# 93
24) Nitrobenzene	8.57	77	91192	9.879	ng	100
25) Isophorone	9.10	82	161987	9.778	ng	99
26) 2-Nitrophenol	9.28	139	31599	8.649	ng	# 85
27) 2,4-Dimethylphenol	9.36	122	47118	8.170	ng	95
28) bis(2-Chloroethoxy)methane	9.59	93	93434	9.941	ng	99
29) 2,4-Dichlorophenol	9.82	162	56134	8.871	ng	98
30) 1,2,4-Trichlorobenzene	10.02	180	65116	9.384	ng	98
31) Naphthalene	10.19	128	209783	9.615	ng	99
32) Benzoic acid	9.47	122	14319	3.342	ng	97
33) 4-Chloroaniline	10.32	127	83347	8.758	ng	96
34) Hexachlorobutadiene	10.49	225	41423	9.456	ng	93
35) Caprolactam	11.10	113	23245	10.456	ng	92
36) 4-Chloro-3-methylphenol	11.46	107	73932	9.588	ng	95
37) 2-Methylnaphthalene	11.82	142	157746	10.146	ng	99
38) 1-Methylnaphthalene	12.05	142	153250	10.405	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.20	216	85378	9.762	ng	98

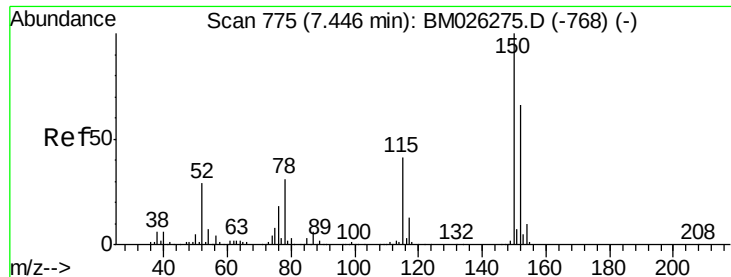
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061920\
 Data File : BM026477.D
 Acq On : 19 Jun 2020 22:06
 Operator : JU/CG
 Sample : L2182-02
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Instrument :
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Quant Time: Jun 20 04:56:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 20 04:14:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.18	237	37884	7.351	ng	96
43) 2,4,6-Trichlorophenol	12.46	196	50715	8.567	ng	94
44) 2,4,5-Trichlorophenol	12.54	196	54077	7.870	ng	99
46) 1,1'-Biphenyl	12.86	154	219011	10.168	ng	99
47) 2-Chloronaphthalene	12.90	162	159901	9.139	ng	97
48) 2-Nitroaniline	13.12	65	58484	8.434	ng	95
49) Acenaphthylene	13.76	152	259174	9.262	ng	99
50) Dimethylphthalate	13.52	163	215504	9.590	ng	99
51) 2,6-Dinitrotoluene	13.63	165	45322	9.191	ng	97
52) Acenaphthene	14.10	154	158829	9.454	ng	100
53) 3-Nitroaniline	13.96	138	40724	7.416	ng	94
54) 2,4-Dinitrophenol	14.19	184	37214	12.417	ng	90
55) Dibenzofuran	14.44	168	256821	9.488	ng	100
56) 4-Nitrophenol	14.30	139	27764	6.376	ng	97
57) 2,4-Dinitrotoluene	14.43	165	61782	9.011	ng	89
58) Fluorene	15.10	166	208374	9.478	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.69	232	53154	9.044	ng	97
60) Diethylphthalate	14.90	149	222121	9.704	ng	99
61) 4-Chlorophenyl-phenylether	15.11	204	110194	9.449	ng	96
62) 4-Nitroaniline	15.14	138	40432	6.904	ng	94
63) Azobenzene	15.40	77	239918	9.580	ng	97
65) 4,6-Dinitro-2-methylphenol	15.21	198	31249	7.400	ng	96
66) n-Nitrosodiphenylamine	15.33	169	183627	9.128	ng	98
67) 4-Bromophenyl-phenylether	16.00	248	66815	8.740	ng	99
68) Hexachlorobenzene	16.11	284	75914	9.517	ng	97
69) Atrazine	16.29	200	65048	10.823	ng	97
70) Pentachlorophenol	16.47	266	33645	7.004	ng	94
71) Phenanthrene	16.84	178	346578	9.584	ng	99
72) Anthracene	16.93	178	334643	9.272	ng	99
73) Carbazole	17.21	167	301274	8.803	ng	99
74) Di-n-butylphthalate	17.79	149	370573	9.181	ng	99
75) Fluoranthene	18.87	202	404584	9.759	ng	98
77) Benzidine	19.07	184	132814	9.170	ng	98
78) Pyrene	19.23	202	423059	9.183	ng	100
80) Butylbenzylphthalate	20.17	149	166691	8.947	ng	97
81) Benzo(a)anthracene	20.99	228	416711	9.956	ng	99
82) 3,3'-Dichlorobenzidine	20.94	252	148060	11.434	ng	98
83) Chrysene	21.04	228	401932	10.077	ng	99
84) Bis(2-ethylhexyl)phthalate	20.96	149	255048	9.601	ng	99
85) Di-n-octyl phthalate	21.80	149	412664	10.070	ng	97
87) Indeno(1,2,3-cd)pyrene	25.13	276	342801	9.018	ng	100
88) Benzo(b)fluoranthene	22.49	252	373176	9.440	ng	98
89) Benzo(k)fluoranthene	22.53	252	379347	9.878	ng	99
90) Benzo(a)pyrene	23.01	252	325187	9.262	ng	98
91) Dibenzo(a,h)anthracene	25.14	278	291375	9.182	ng	99
92) Benzo(g,h,i)perylene	25.74	276	279624	9.260	ng	99

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

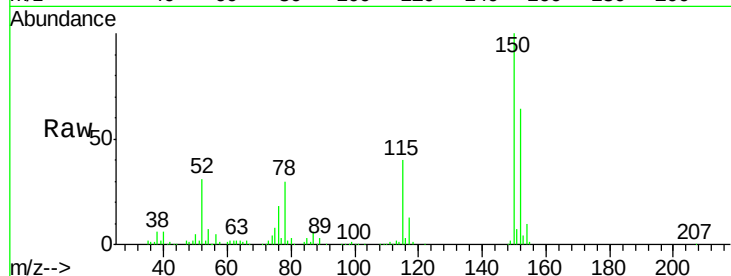


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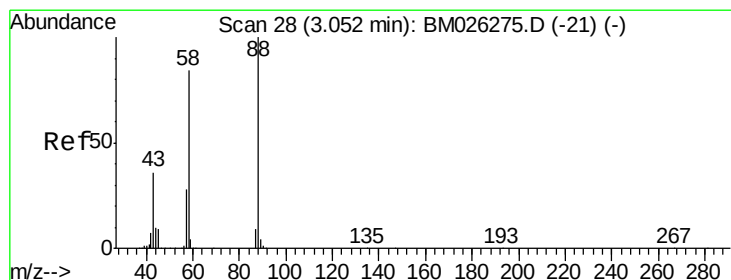
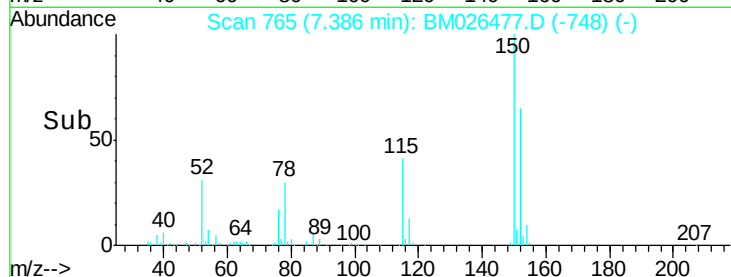
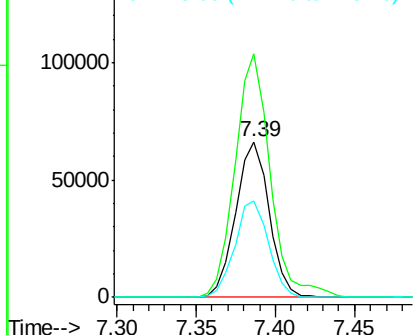
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.39 min Scan# 765
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:152 Resp: 97139
Ion Ratio Lower Upper
152 100
150 156.3 127.8 191.6
115 62.2 51.5 77.3



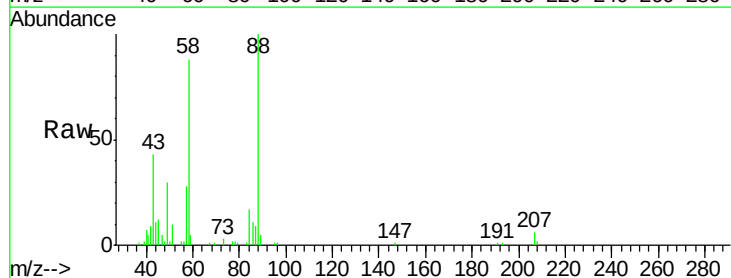
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



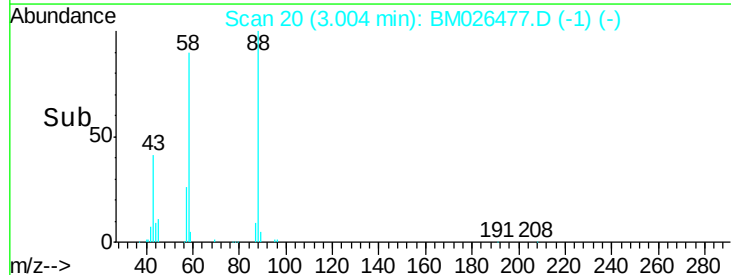
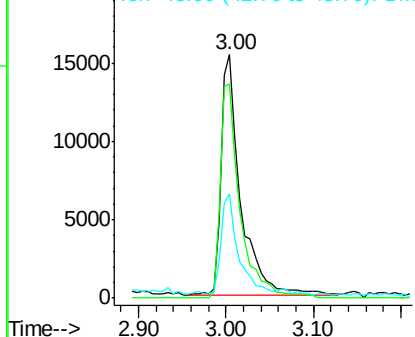
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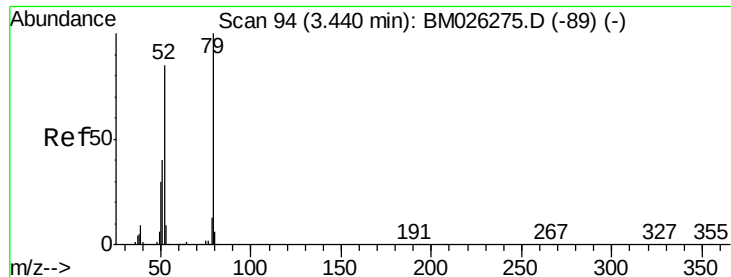
1,4-Dioxane
Concen: 9.586 ng
RT: 3.00 min Scan# 20
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion: 88 Resp: 23746
Ion Ratio Lower Upper
88 100
58 89.5 67.7 101.5
43 37.1 28.0 42.0



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0

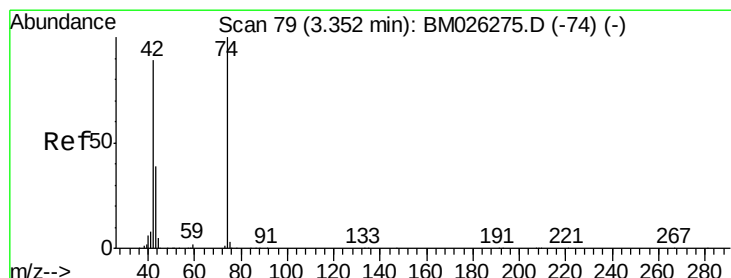
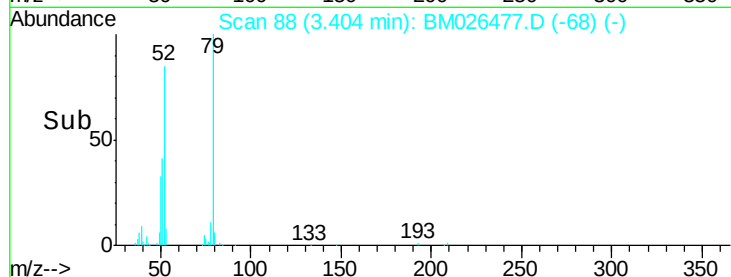
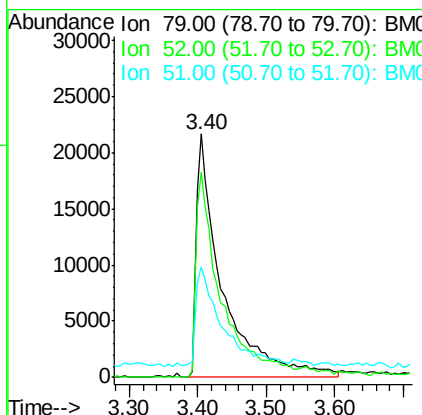
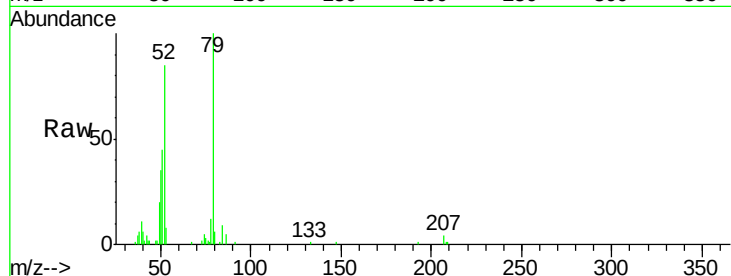




#3
 Pvridine
 Concen: 7.822 ng
 RT: 3.40 min Scan# 88
 Delta R.T. 0.02 min
 Lab File: BM026477.D
 Acq: 19 Jun 2020 22:06

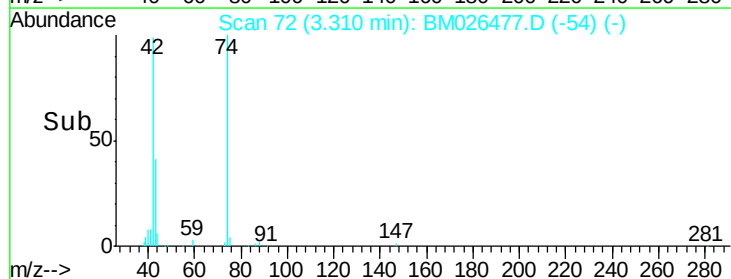
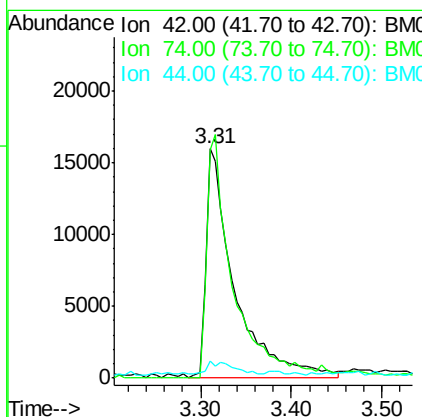
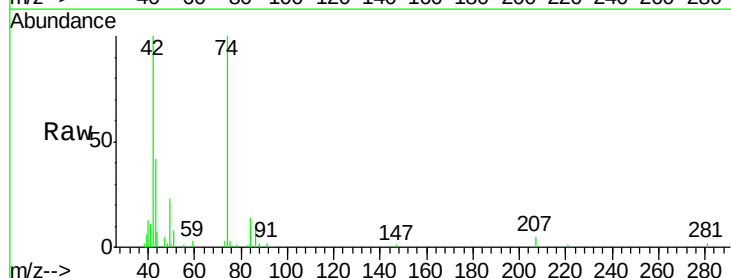
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

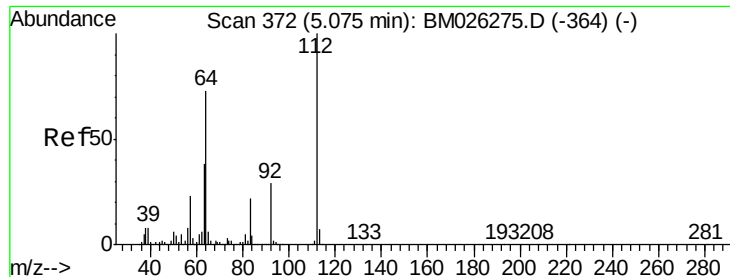
Tot Ion: 79 Resp: 56907
 Ion Ratio Lower Upper
 79 100
 52 84.5 67.4 101.2
 51 45.4 33.0 49.6



#4
 n-Nitrosodimethylamine
 Concen: 9.787 ng
 RT: 3.31 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: BM026477.D
 Acq: 19 Jun 2020 22:06

Tgt Ion: 42 Resp: 35256
 Ion Ratio Lower Upper
 42 100
 74 99.7 95.4 143.2
 44 7.5 5.9 8.9





#5

2-Fluorophenol

Concen: 138.007 ng

RT: 5.02 min Scan# 363

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

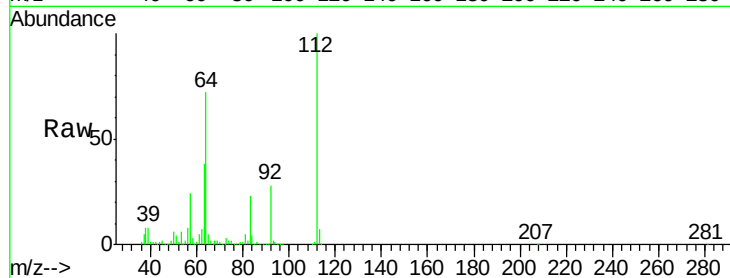
Tot Ion:112 Resp: 758232

Ion Ratio Lower Upper

112 100

64 72.0 56.0 84.0

63 38.1 29.0 43.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0

600000

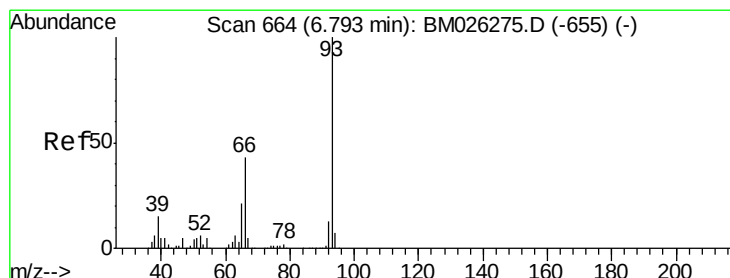
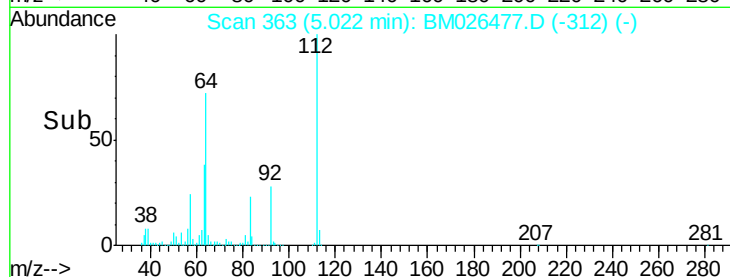
400000

200000

0

5.02

Time--> 4.90 5.00 5.10



#6

Aniline

Concen: 9.313 ng

RT: 6.73 min Scan# 654

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

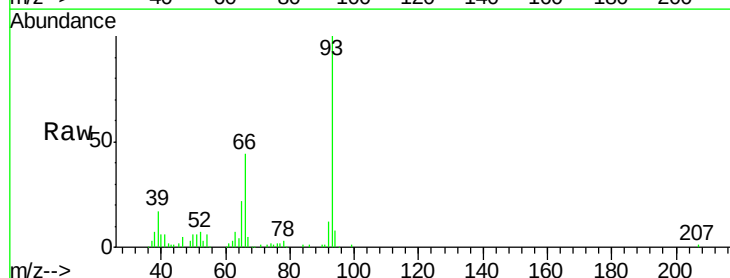
Tgt Ion: 93 Resp: 97189

Ion Ratio Lower Upper

93 100

66 43.7 34.1 51.1

65 21.9 17.5 26.3



Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0

80000

60000

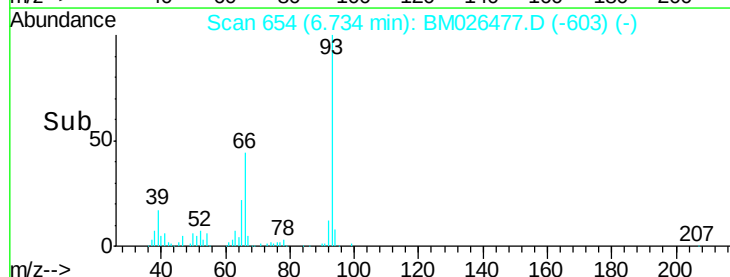
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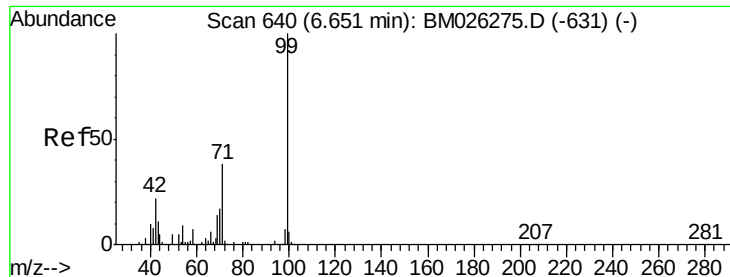
20000

0

6.73

Time--> 6.65 6.70 6.75 6.80





#7

Phenol-d6

Concen: 145.009 ng

RT: 6.59 min Scan# 630

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

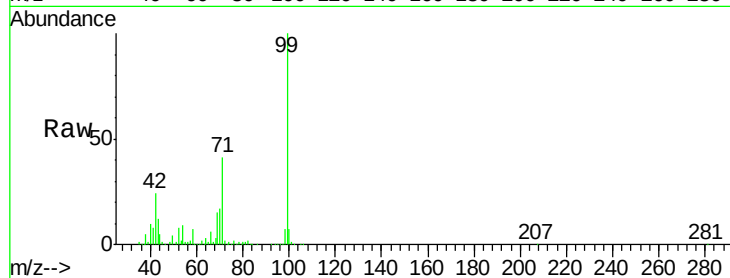
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion: 99 Resp: 1153671

Ion	Ratio	Lower	Upper
99	100		
42	24.3	17.8	26.6
71	40.5	31.0	46.4

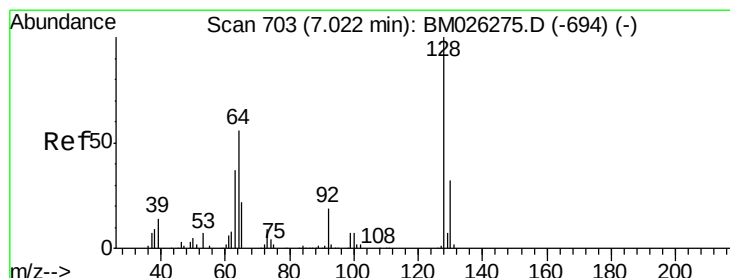
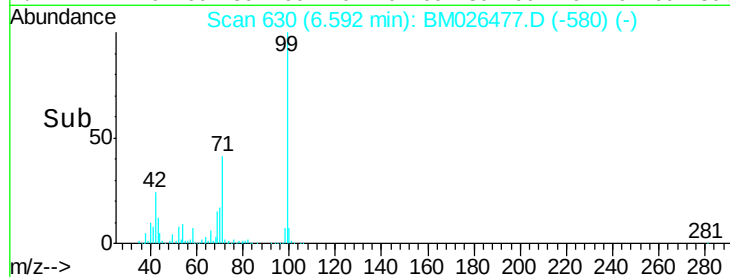


Abundance

Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0



#8

2-Chlorophenol

Concen: 9.097 ng

RT: 6.96 min Scan# 692

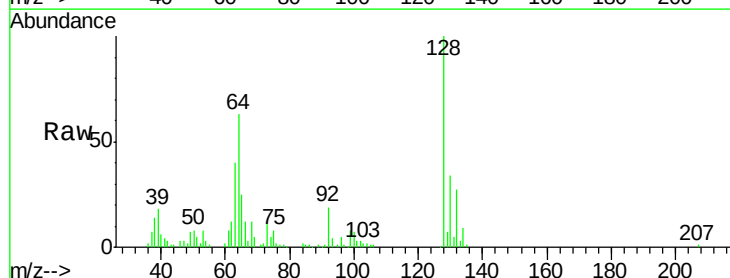
Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Tgt Ion: 128 Resp: 57650

Ion	Ratio	Lower	Upper
128	100		
130	34.2	12.3	52.3
64	63.4	36.4	76.4

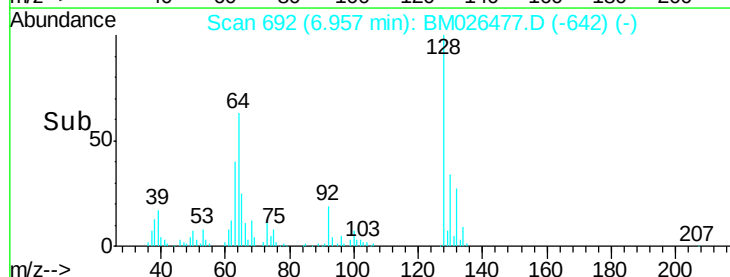


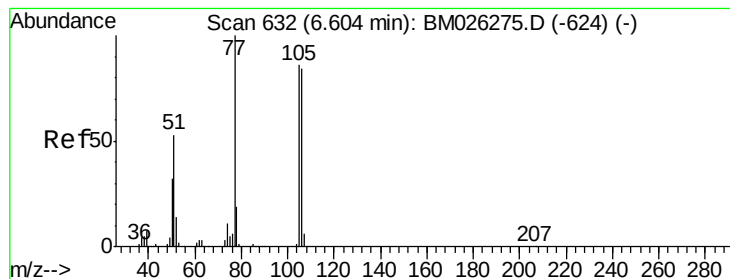
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM0





#9

Benzaldehyde

Concen: 12.128 ng

RT: 6.55 min Scan# 622

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

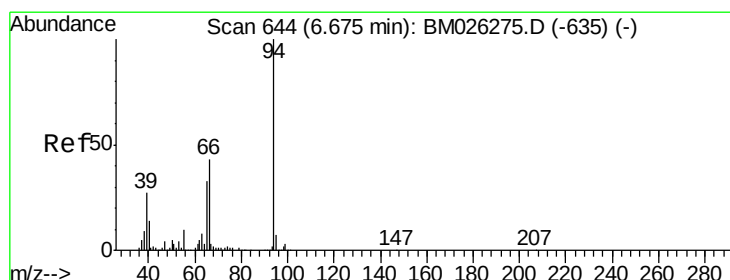
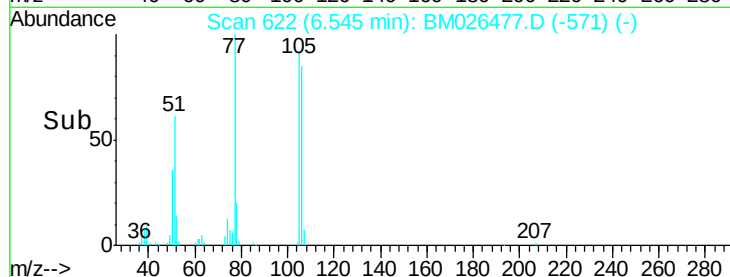
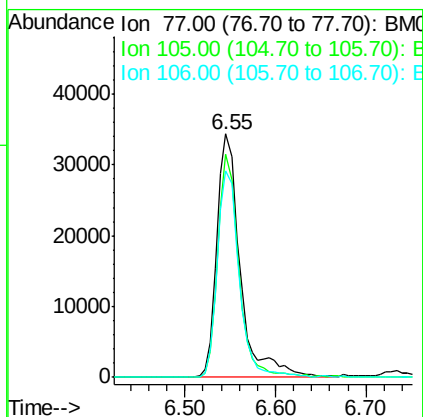
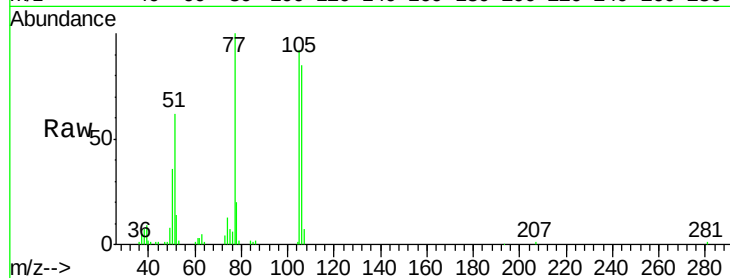
Tot Ion: 77 Resp: 61524

Ion Ratio Lower Upper

77 100

105 91.7 71.5 111.5

106 84.9 64.7 104.7



#10

Phenol

Concen: 9.093 ng

RT: 6.62 min Scan# 634

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

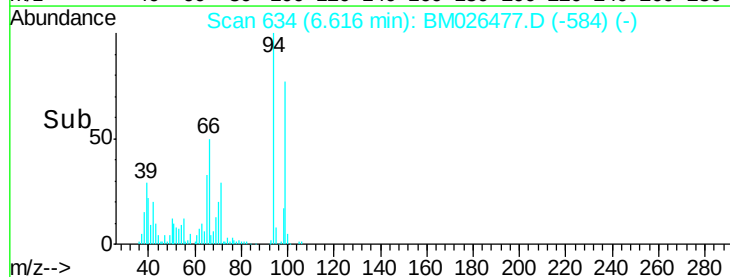
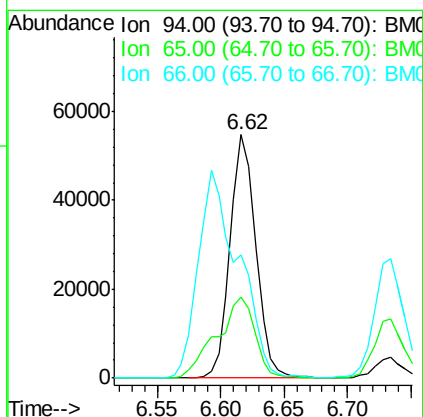
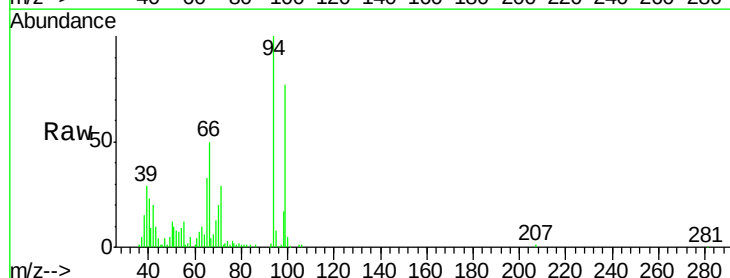
Tgt Ion: 94 Resp: 77041

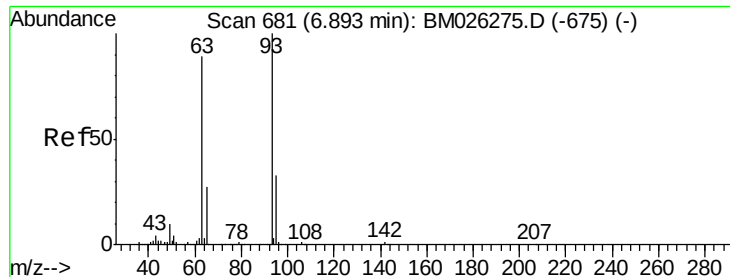
Ion Ratio Lower Upper

94 100

65 33.2 11.4 51.4

66 50.5 21.7 61.7

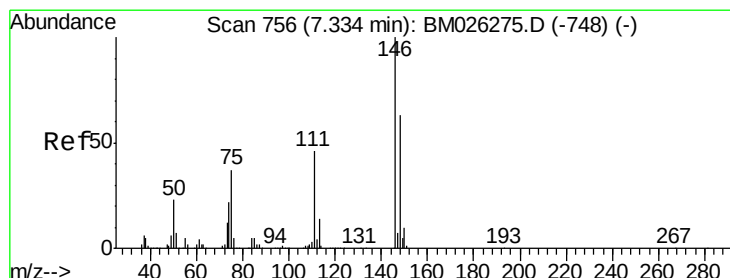
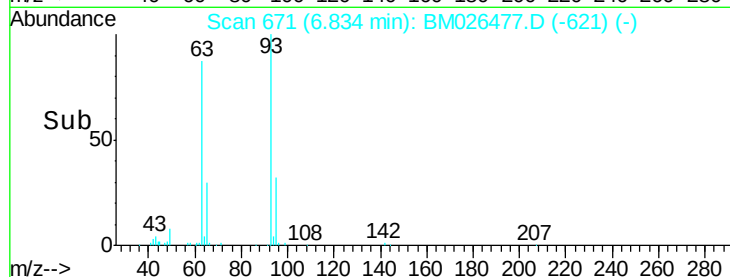
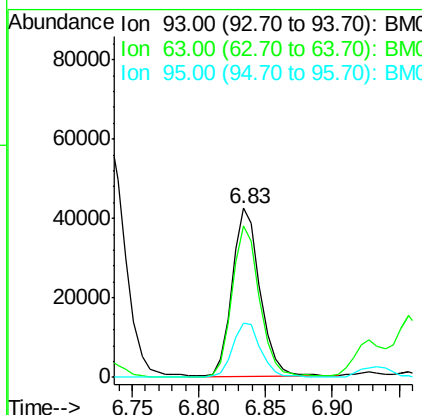
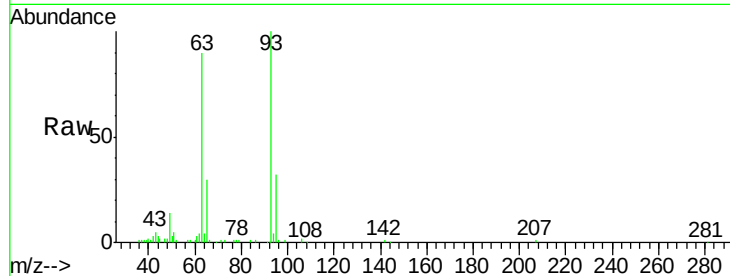




#11
bis(2-Chloroethyl)ether
Concen: 9.073 ng
RT: 6.83 min Scan# 671
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

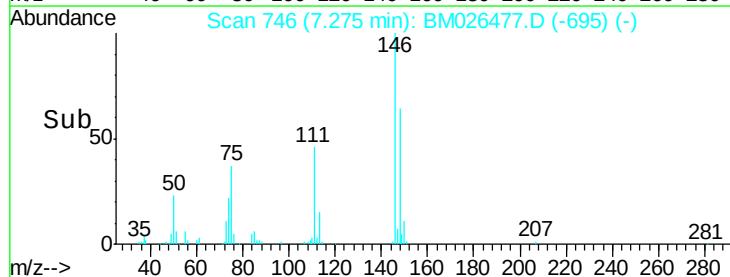
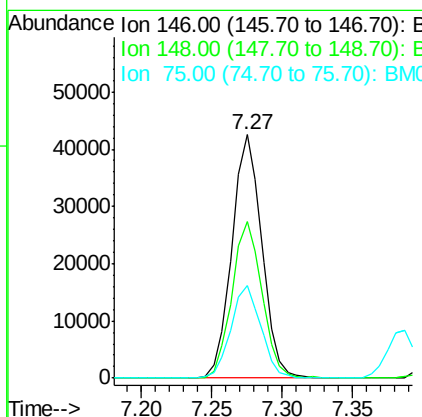
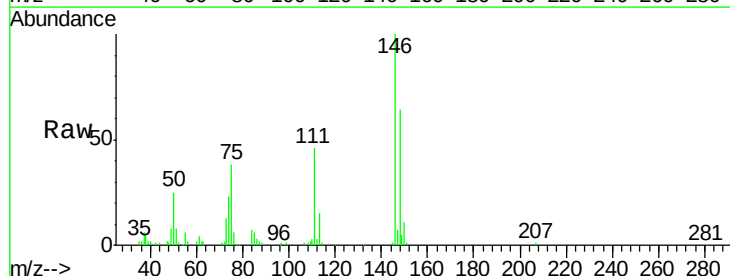
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

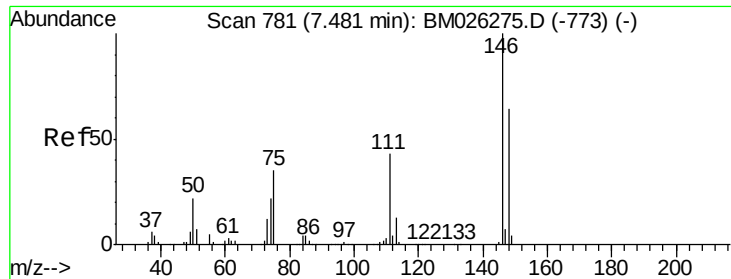
Tot Ion: 93 Resp: 61917
Ion Ratio Lower Upper
93 100
63 89.7 66.7 106.7
95 32.1 14.5 54.5



#12
1,3-Dichlorobenzene
Concen: 8.949 ng
RT: 7.27 min Scan# 746
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion: 146 Resp: 62786
Ion Ratio Lower Upper
146 100
148 64.1 50.3 75.5
75 38.3 29.0 43.6

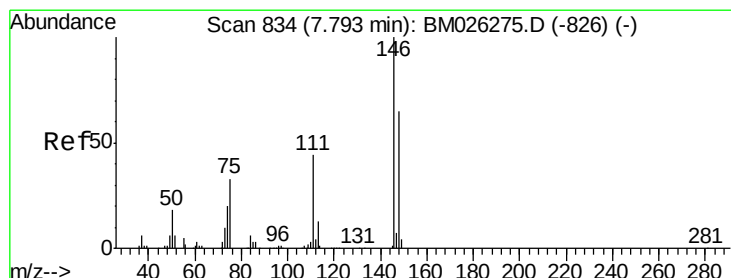
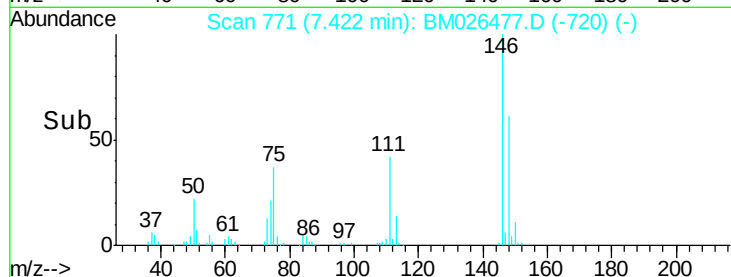
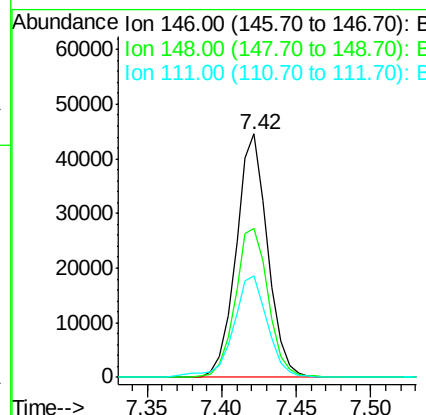
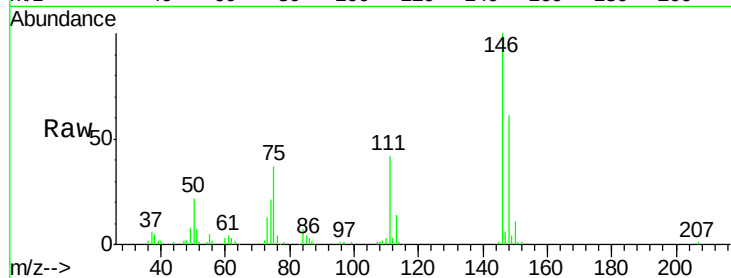




#13
 1,4-Dichlorobenzene
 Concen: 9.124 ng
 RT: 7.42 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: BM026477.D
 Acq: 19 Jun 2020 22:06

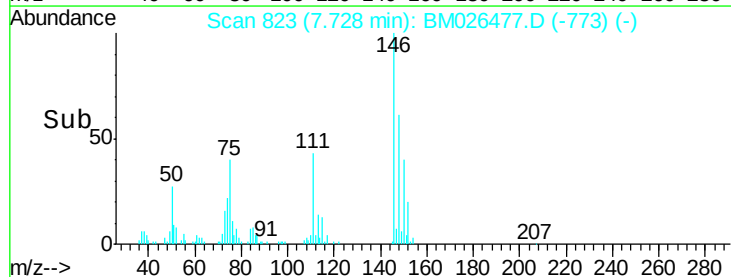
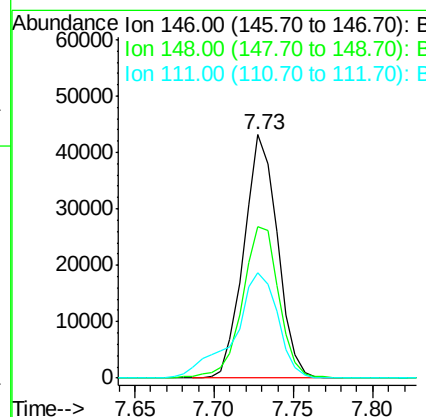
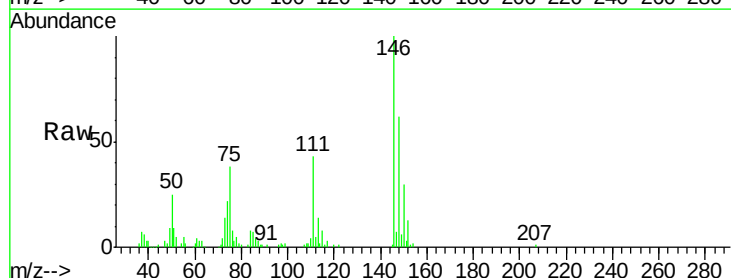
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

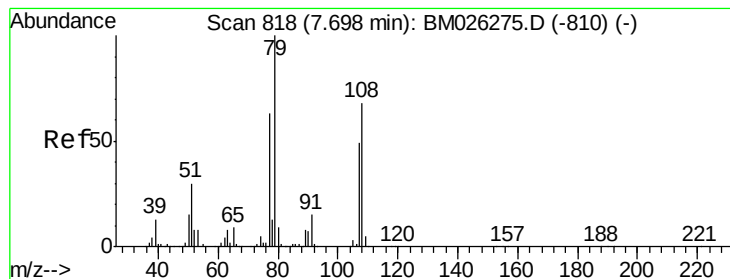
Tot Ion:146 Resp: 65204
 Ion Ratio Lower Upper
 146 100
 148 61.0 52.2 78.2
 111 41.9 34.9 52.3



#14
 1,2-Dichlorobenzene
 Concen: 9.077 ng
 RT: 7.73 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BM026477.D
 Acq: 19 Jun 2020 22:06

Tgt Ion:146 Resp: 63365
 Ion Ratio Lower Upper
 146 100
 148 62.3 50.8 76.2
 111 43.3 35.4 53.0





#15

Benzyl Alcohol

Concen: 8.754 ng

RT: 7.64 min Scan# 808

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

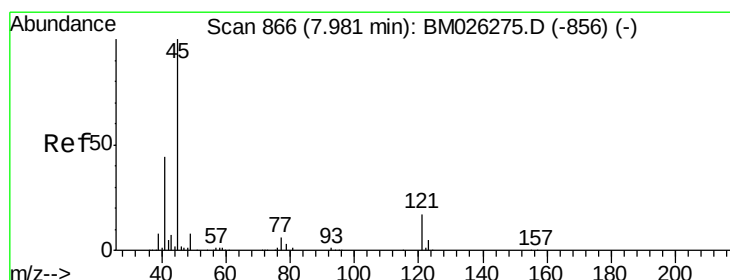
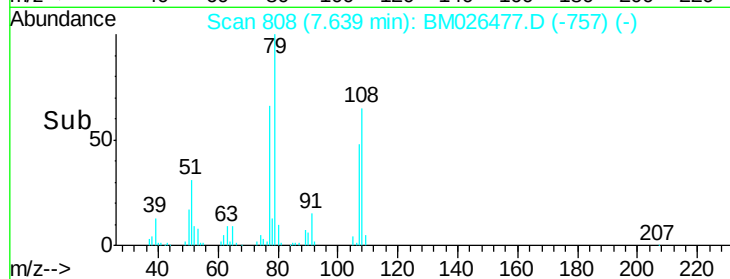
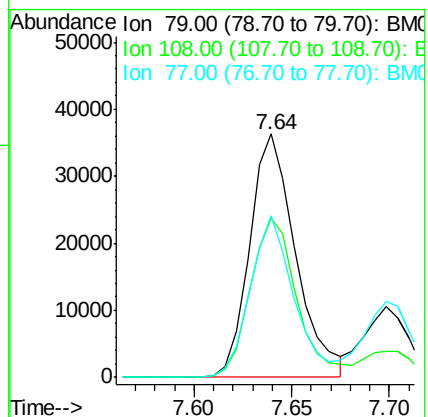
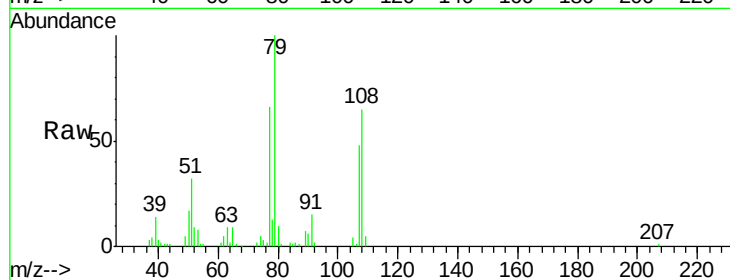
Tot Ion: 79 Resp: 59140

Ion Ratio Lower Upper

79 100

108 65.1 54.6 82.0

77 66.2 51.0 76.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 9.630 ng

RT: 7.92 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

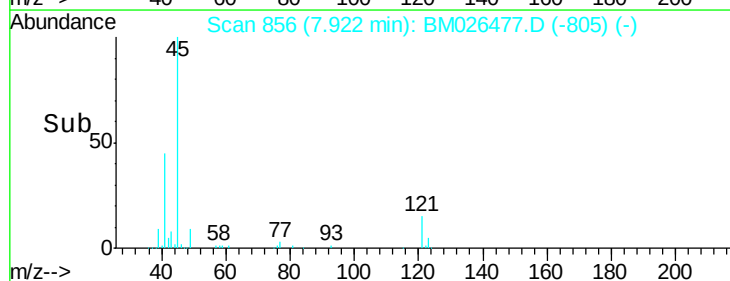
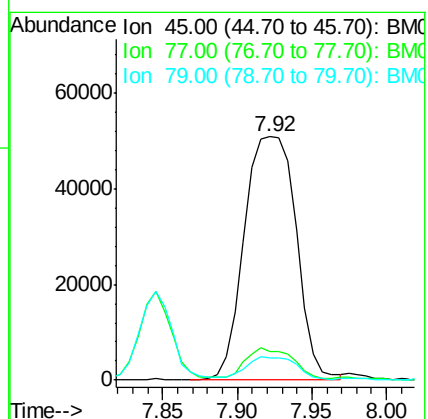
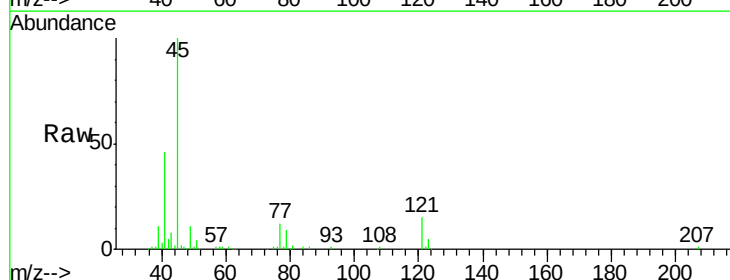
Tgt Ion: 45 Resp: 122735

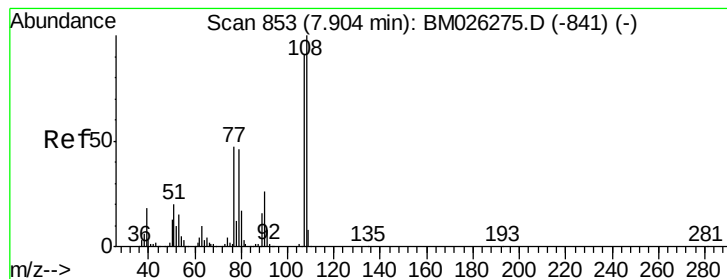
Ion Ratio Lower Upper

45 100

77 11.7 0.0 31.8

79 9.3 0.0 28.9





#17

2-Methylphenol

Concen: 8.359 ng

RT: 7.85 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:107 Resp: 51761

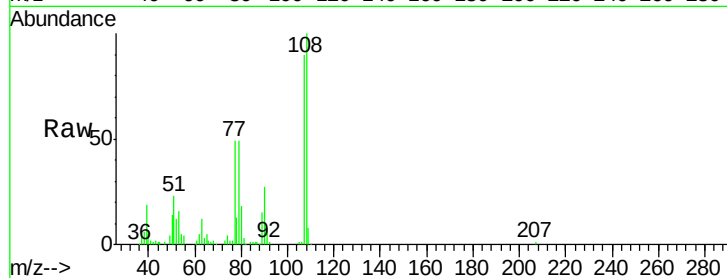
Ion Ratio Lower Upper

107 100

108 111.6 88.5 132.7

77 54.3 40.6 60.8

79 54.1 39.6 59.4

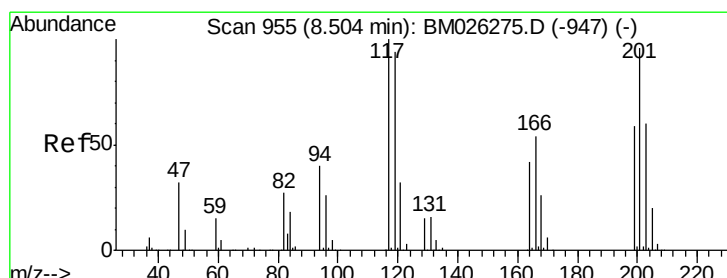
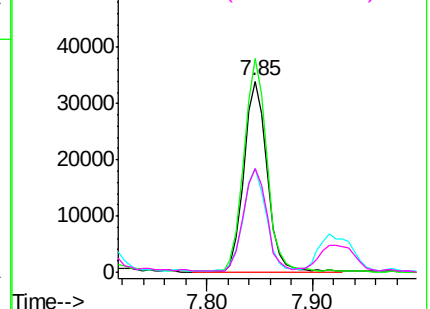
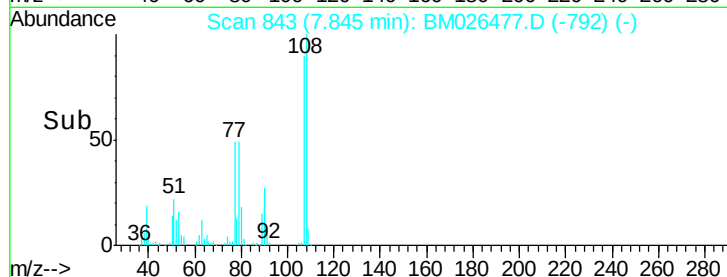


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 9.124 ng

RT: 8.44 min Scan# 944

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

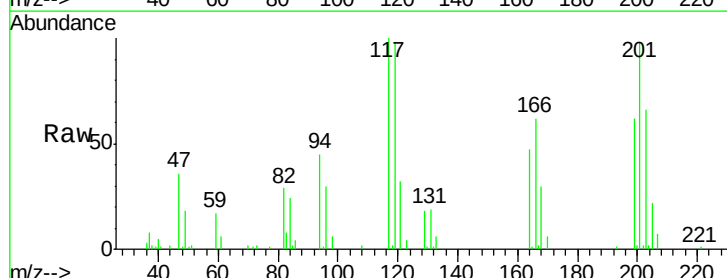
Tgt Ion:117 Resp: 24694

Ion Ratio Lower Upper

117 100

119 98.1 77.8 116.6

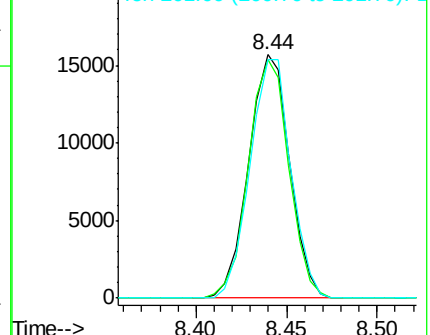
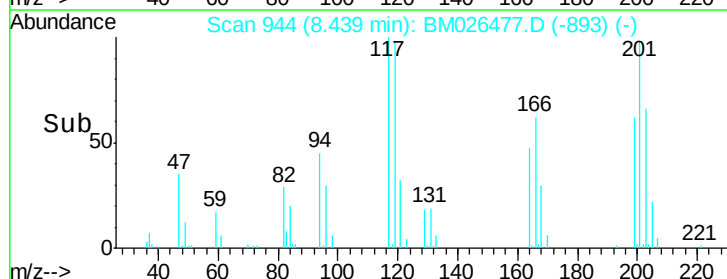
201 97.9 79.9 119.9

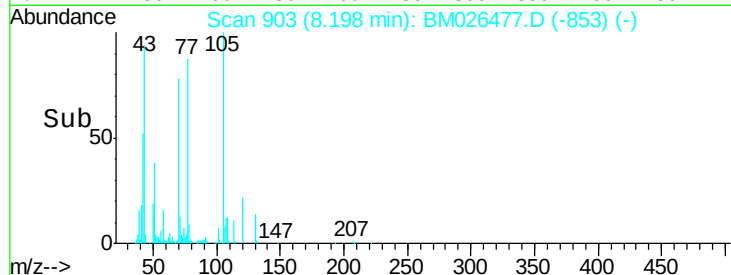
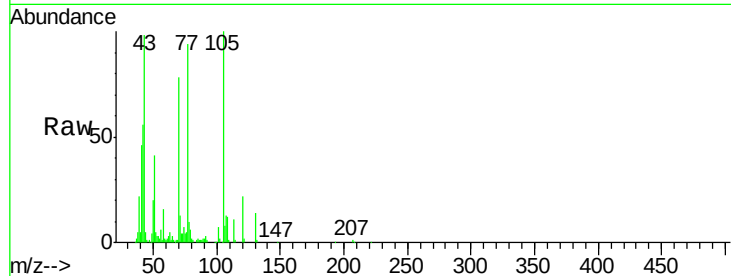
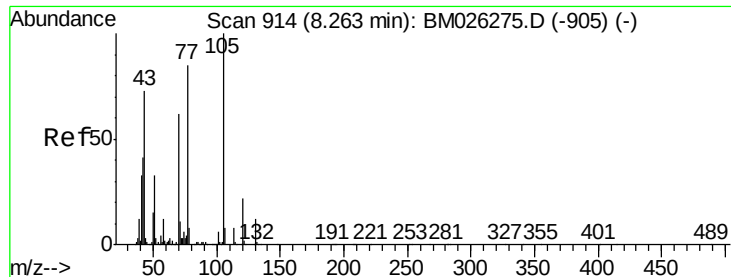


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

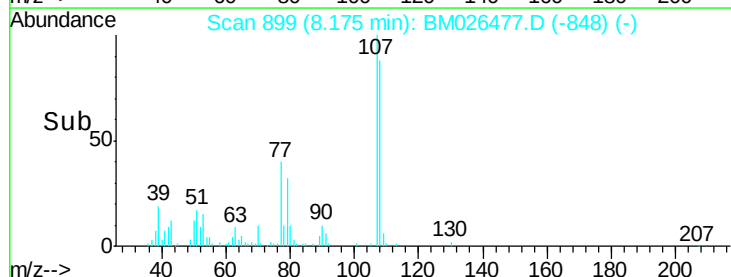
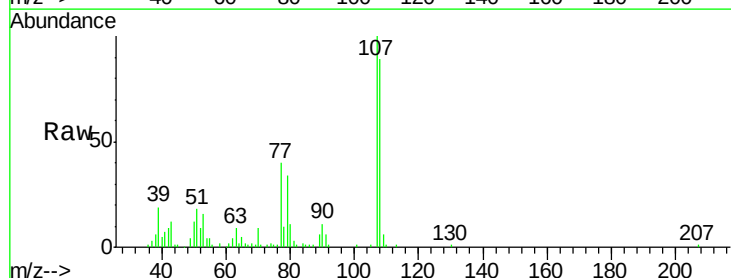
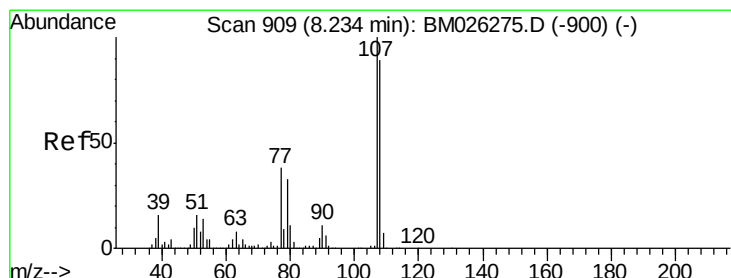
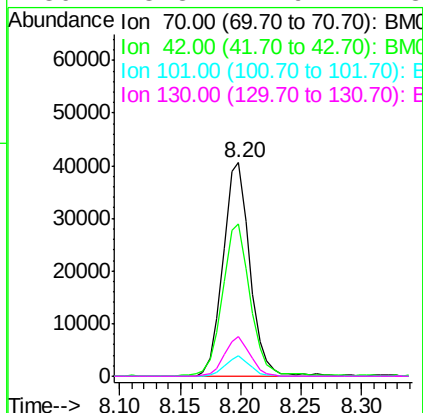




#19
n-Nitroso-di-n-propylamine
Concen: 10.099 ng
RT: 8.20 min Scan# 903
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

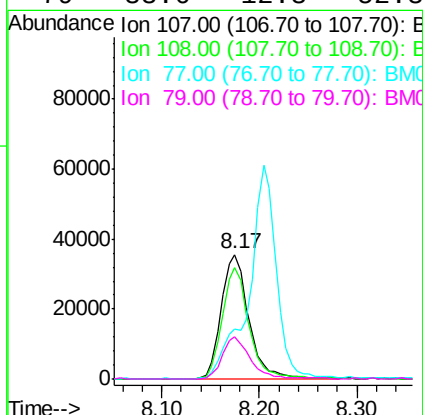
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

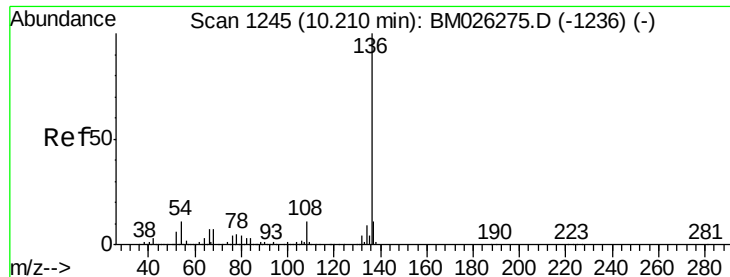
Tot Ion:	70	Resp:	62611
Ion	Ratio	Lower	Upper
70	100		
42	71.6	52.2	78.4
101	9.5	7.0	10.6
130	18.3	14.9	22.3



#20
3+4-Methylphenols
Concen: 8.307 ng
RT: 8.17 min Scan# 899
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion:	107	Resp:	70114
Ion	Ratio	Lower	Upper
107	100		
108	89.4	70.4	110.4
77	40.1	17.3	57.3
79	33.6	12.3	52.3

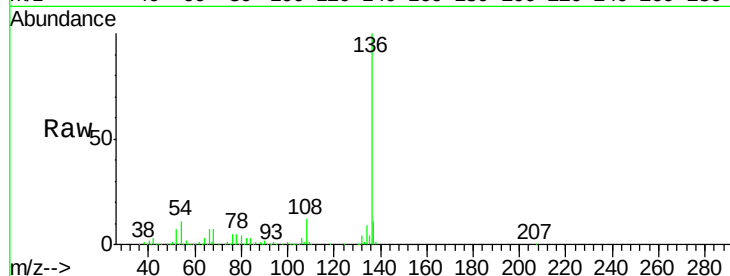




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.15 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:136	Resp:	432972	
Ion Ratio	Lower	Upper	
136 100			
137 10.5	8.5	12.7	
54 10.9	9.0	13.6	
68 6.9	5.6	8.4	



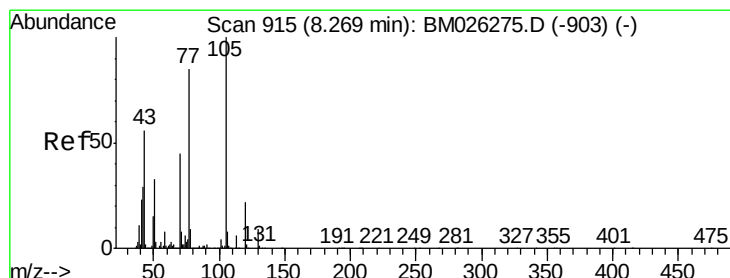
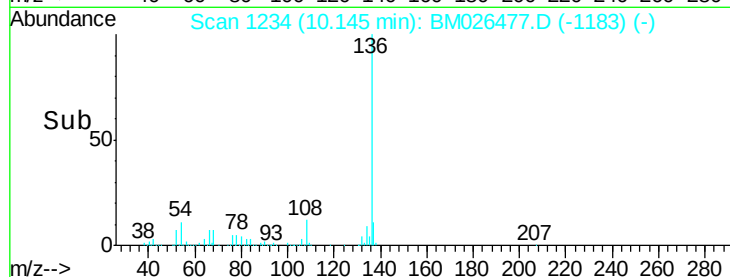
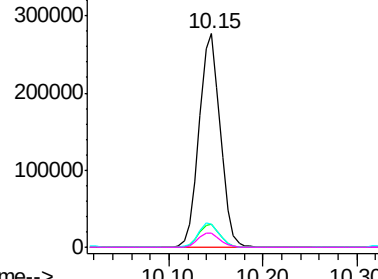
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

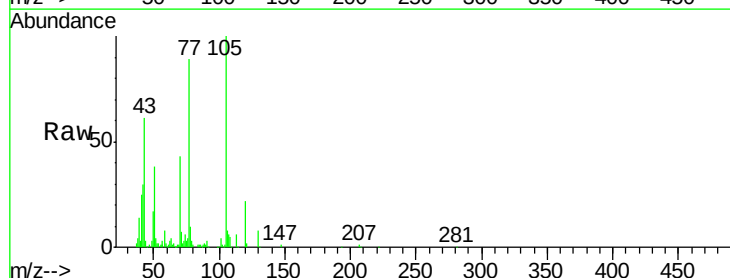
Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0



#22
Acetophenone
Concen: 9.743 ng
RT: 8.20 min Scan# 904
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt	Ion:105	Resp:	108476
Ion	Ratio	Lower	Upper
105	100		
71	6.9	4.5	6.7#
51	37.9	25.2	37.8#
120	21.5	17.0	25.6



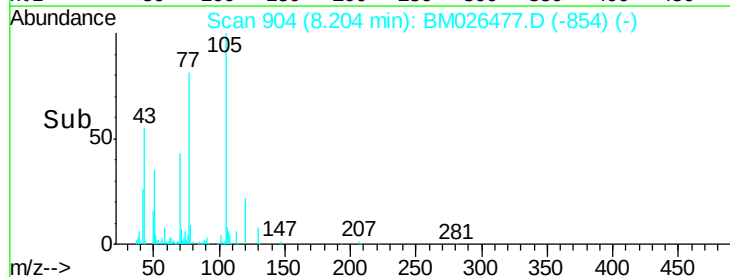
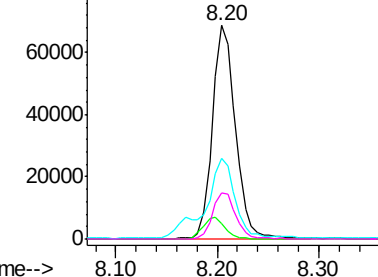
Abundance

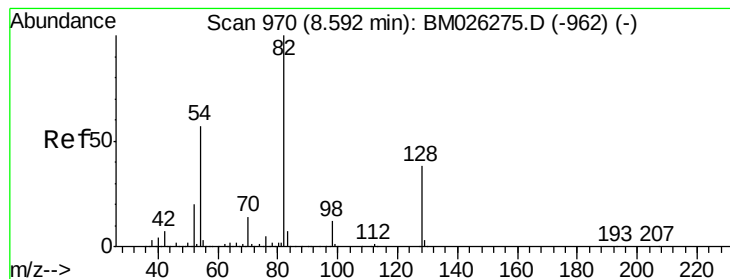
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM0

Ion 51.00 (50.70 to 51.70): BM0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 101.556 ng

RT: 8.53 min Scan# 960

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

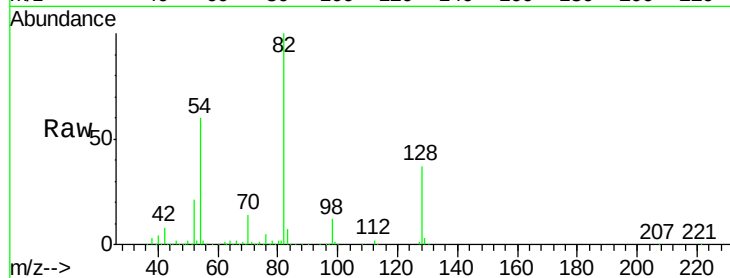
Tot Ion: 82 Resp: 895540

Ion Ratio Lower Upper

82 100

128 37.2 31.0 46.6

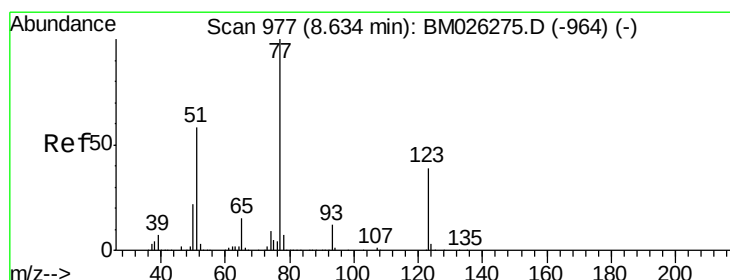
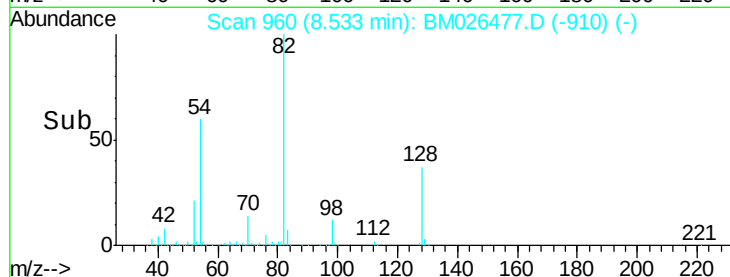
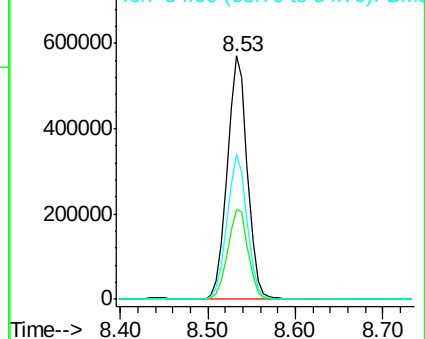
54 59.7 45.4 68.2



Abundance Ion 82.00 (81.70 to 82.70): BM026477.D (-910) (-)

Ion 128.00 (127.70 to 128.70): BM026477.D (-910) (-)

Ion 54.00 (53.70 to 54.70): BM026477.D (-910) (-)



#24

Nitrobenzene

Concen: 9.879 ng

RT: 8.57 min Scan# 967

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

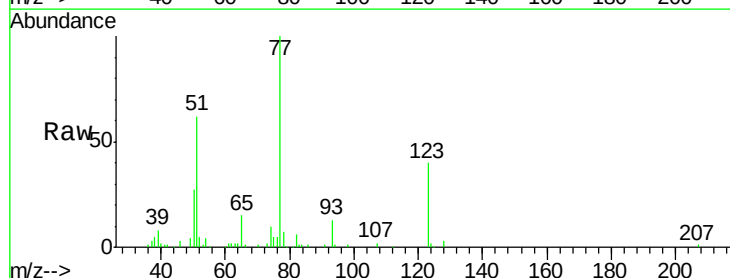
Tgt Ion: 77 Resp: 91192

Ion Ratio Lower Upper

77 100

123 39.7 32.0 48.0

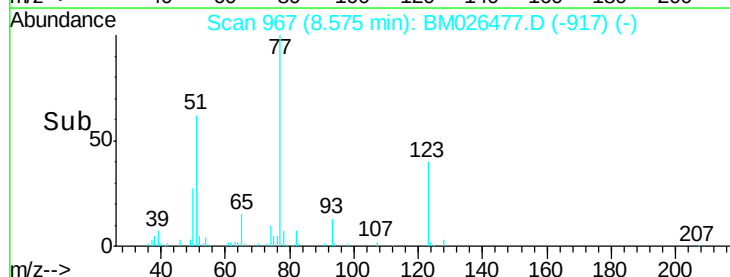
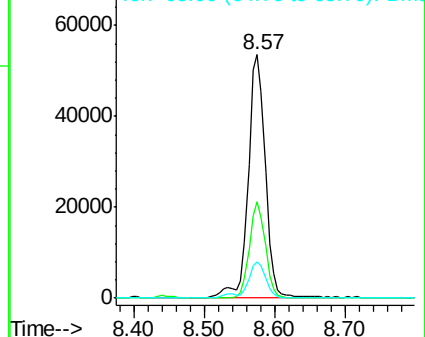
65 14.9 11.8 17.8

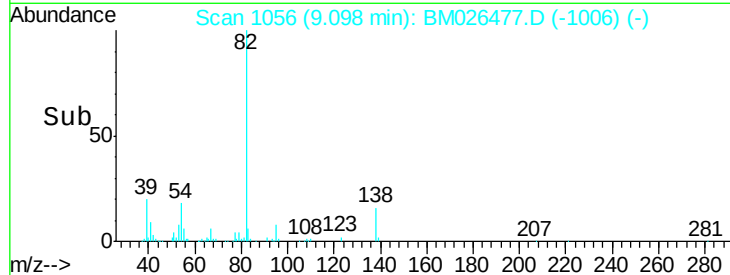
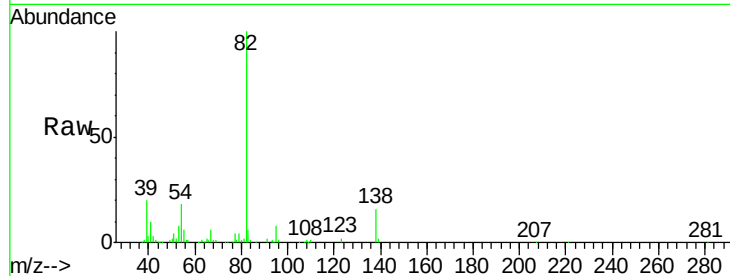
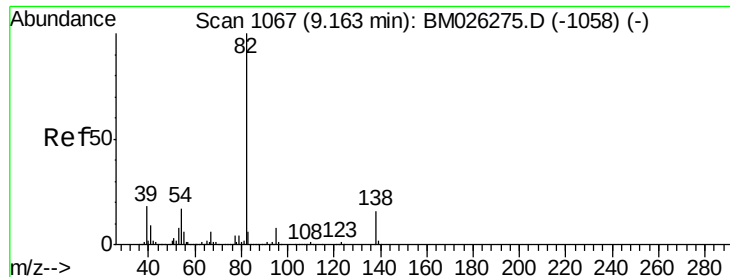


Abundance Ion 77.00 (76.70 to 77.70): BM026477.D (-917) (-)

Ion 123.00 (122.70 to 123.70): BM026477.D (-917) (-)

Ion 65.00 (64.70 to 65.70): BM026477.D (-917) (-)

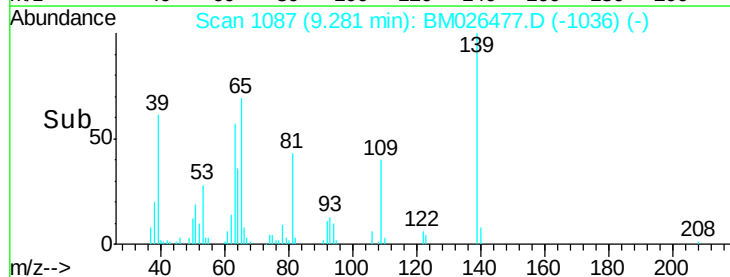
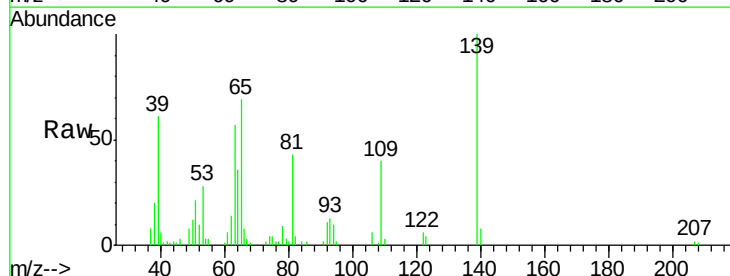
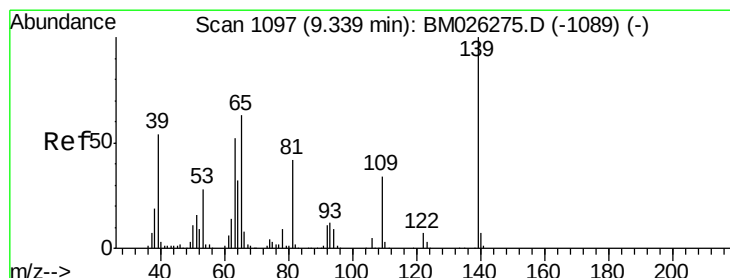
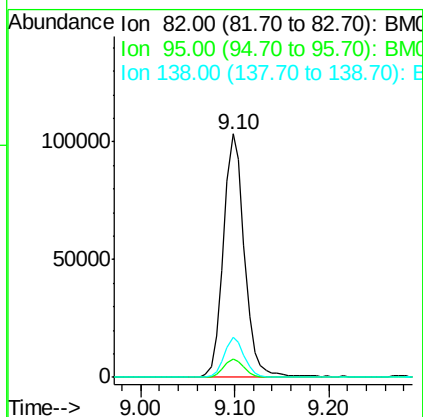




#25
Isophorone
Concen: 9.778 ng
RT: 9.10 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

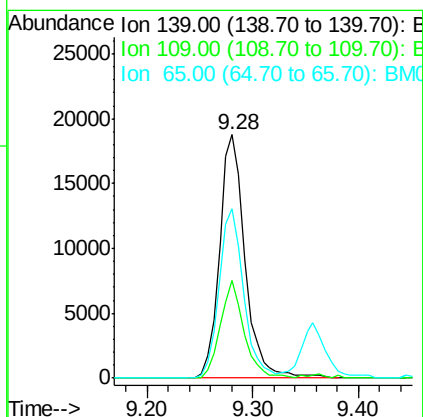
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

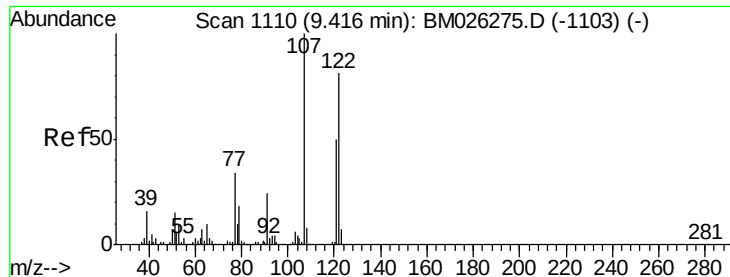
Tot Ion: 82 Resp: 161987
Ion Ratio Lower Upper
82 100
95 7.8 6.0 9.0
138 16.4 12.7 19.1



#26
2-Nitrophenol
Concen: 8.649 ng
RT: 9.28 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion: 139 Resp: 31599
Ion Ratio Lower Upper
139 100
109 40.3 25.2 37.8#
65 69.4 47.1 70.7

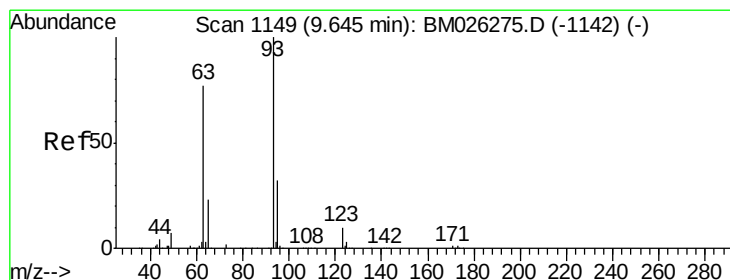
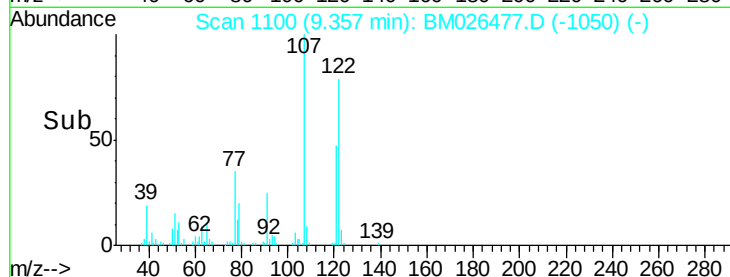
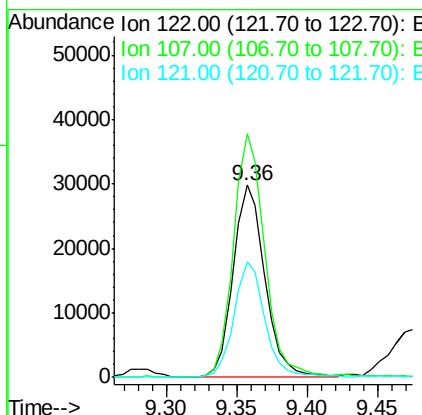
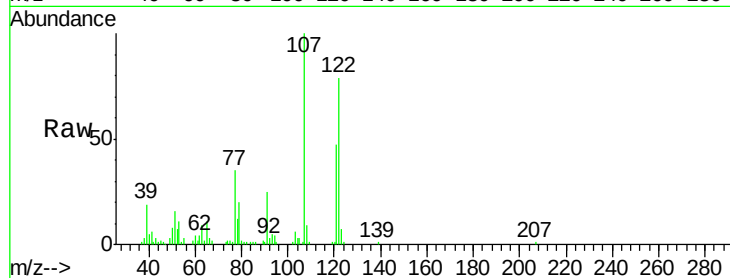




#27
2,4-Dimethylphenol
Concen: 8.170 ng
RT: 9.36 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

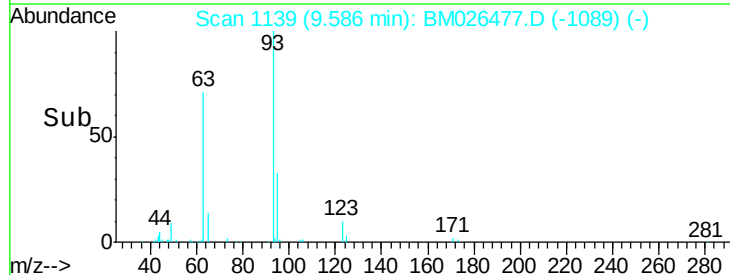
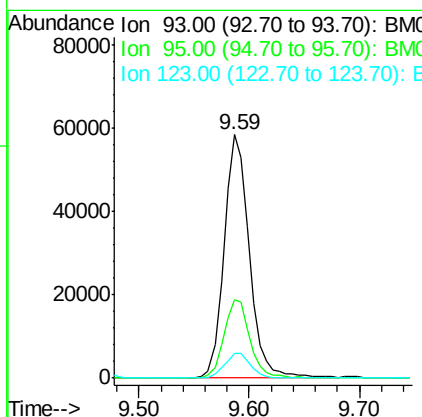
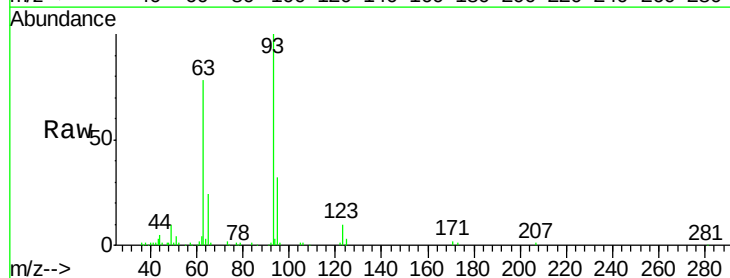
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

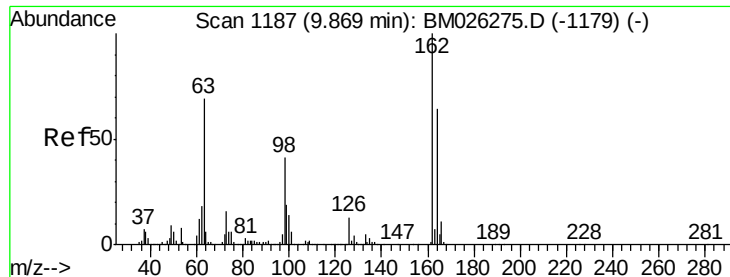
Tot Ion:122 Resp: 47118
Ion Ratio Lower Upper
122 100
107 126.6 96.1 144.1
121 60.0 46.0 69.0



#28
bis(2-Chloroethoxy)methane
Concen: 9.941 ng
RT: 9.59 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion: 93 Resp: 93434
Ion Ratio Lower Upper
93 100
95 32.2 25.9 38.9
123 10.2 8.9 13.3

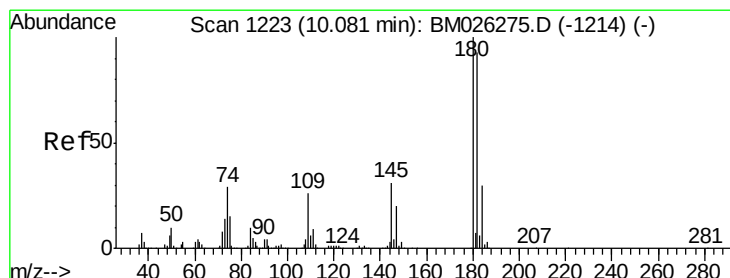
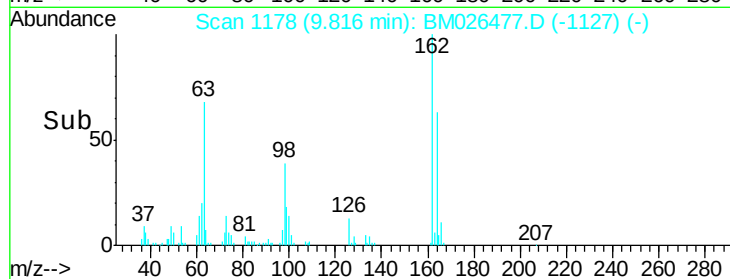
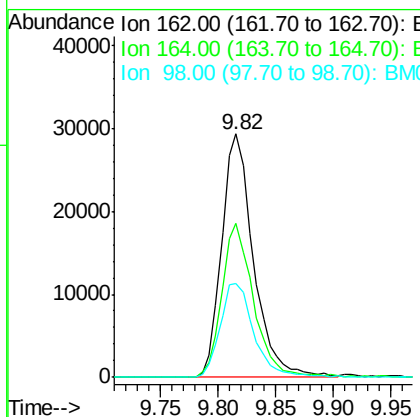
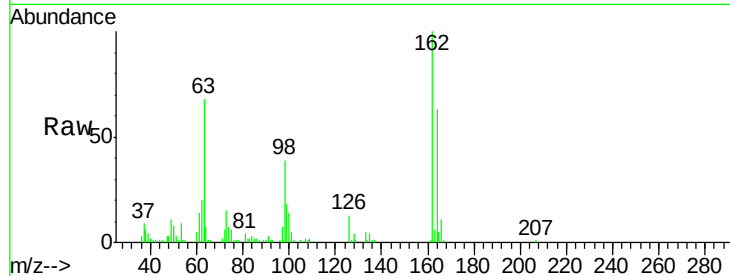




#29
2,4-Dichlorophenol
Concen: 8.871 ng
RT: 9.82 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

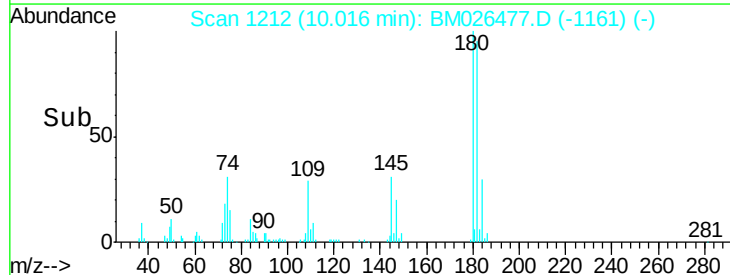
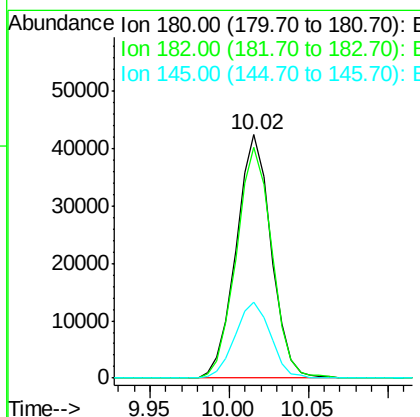
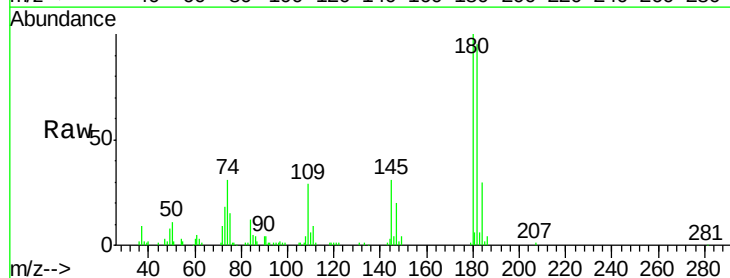
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

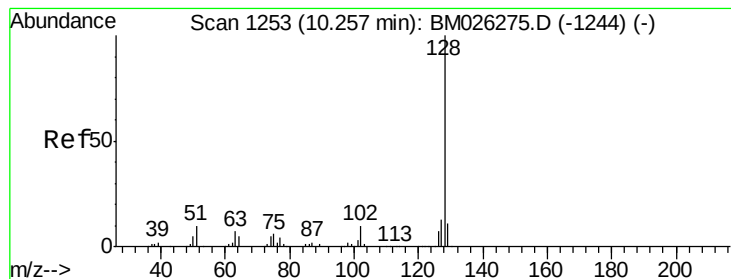
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.3	46.2	86.2
98	38.8	19.0	59.0



#30
1,2,4-Trichlorobenzene
Concen: 9.384 ng
RT: 10.02 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.3	115.9
145	31.1	26.6	40.0

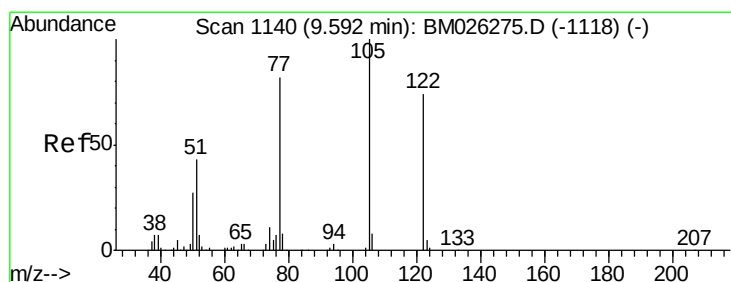
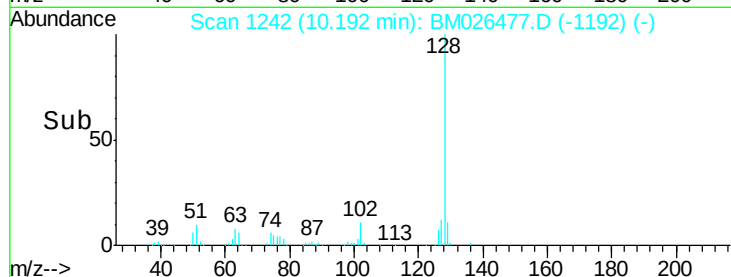
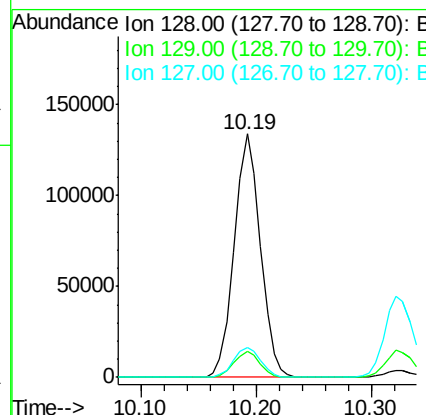
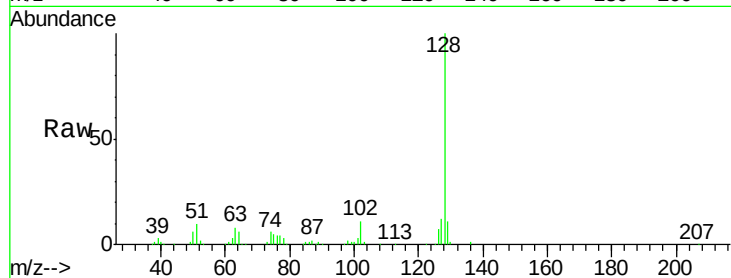




#31
Naphthalene
Concen: 9.615 ng
RT: 10.19 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

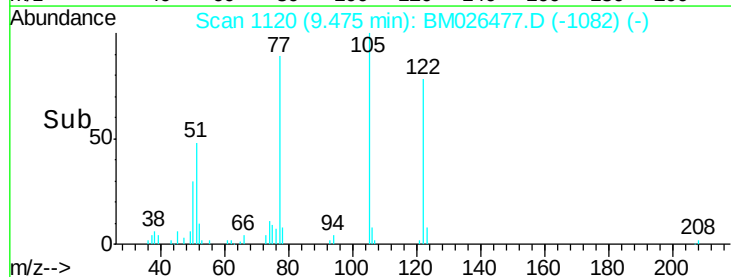
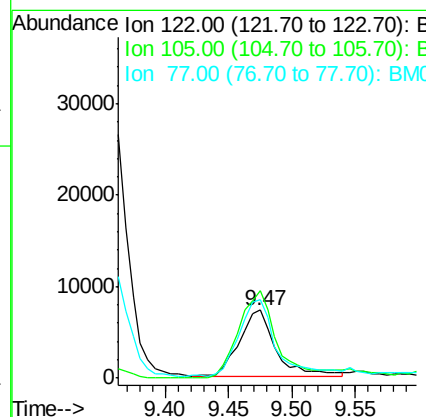
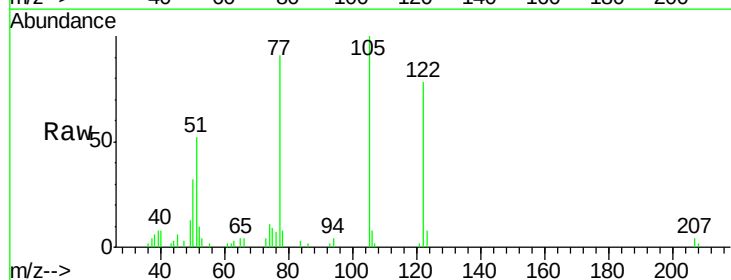
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

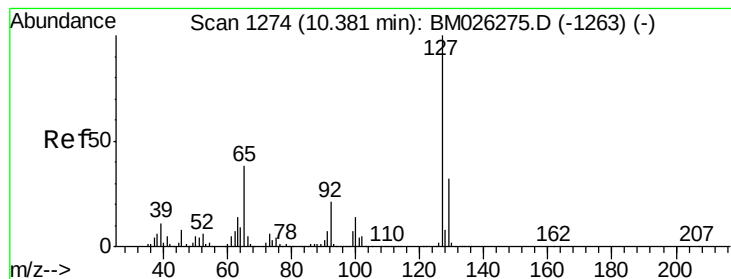
Tot Ion:128 Resp: 209783
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 12.2 10.2 15.4



#32
Benzoic acid
Concen: 3.342 ng
RT: 9.47 min Scan# 1120
Delta R.T. -0.08 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion:122 Resp: 14319
Ion Ratio Lower Upper
122 100
105 128.1 108.9 148.9
77 116.2 90.1 130.1





#33

4-Chloroaniline

Concen: 8.758 ng

RT: 10.32 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

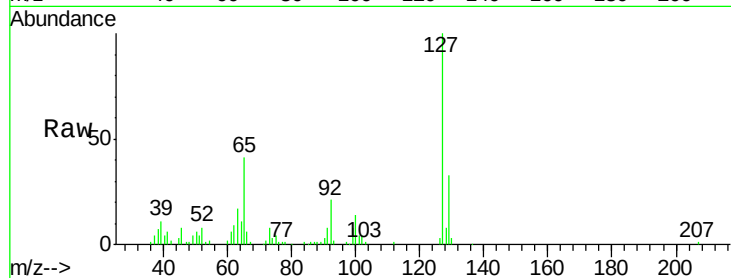
Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:127	Resp:	83347
Ion Ratio	Lower	Upper
127	100	
129	33.5	25.3 37.9
65	40.8	30.0 45.0
92	21.0	17.1 25.7

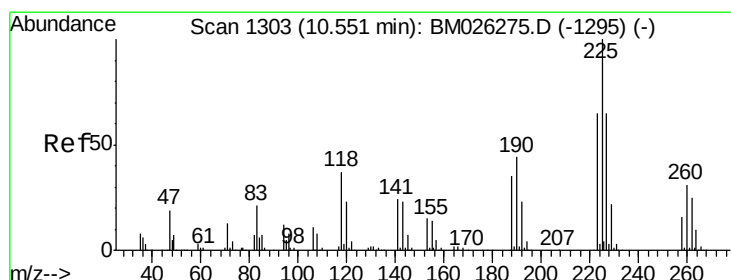
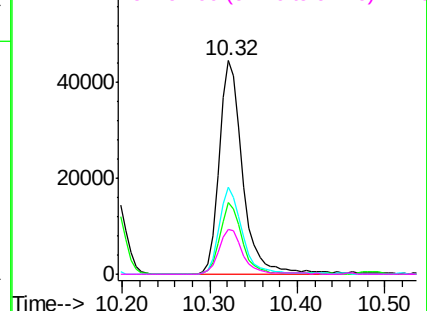
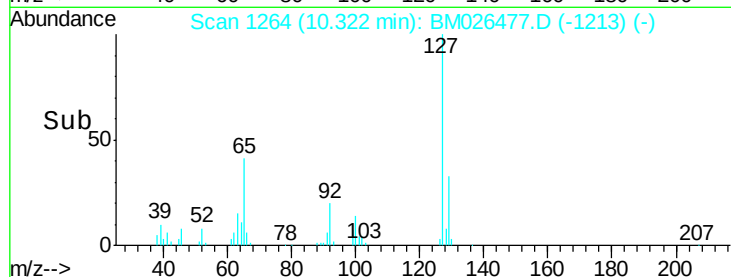


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34

Hexachlorobutadiene

Concen: 9.456 ng

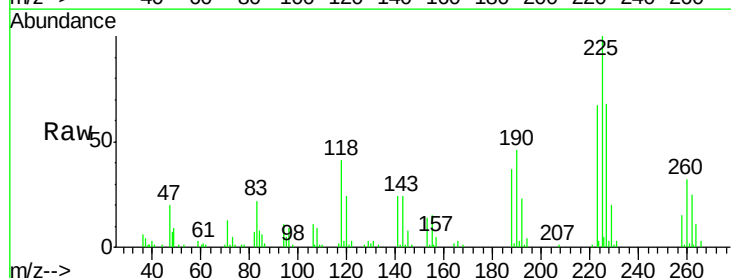
RT: 10.49 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

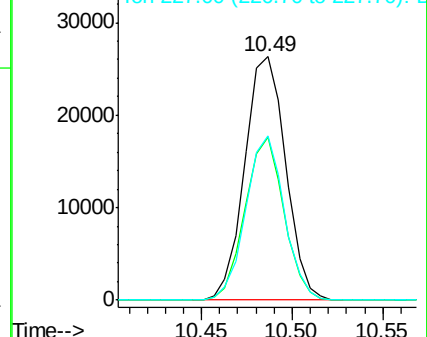
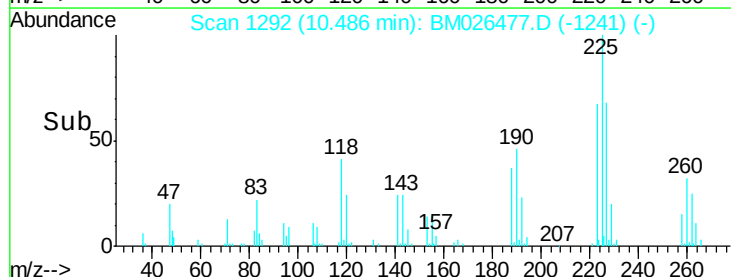
Tgt Ion:225	Resp:	41423
Ion Ratio	Lower	Upper
225	100	
223	67.1	50.2 75.4
227	67.7	49.5 74.3

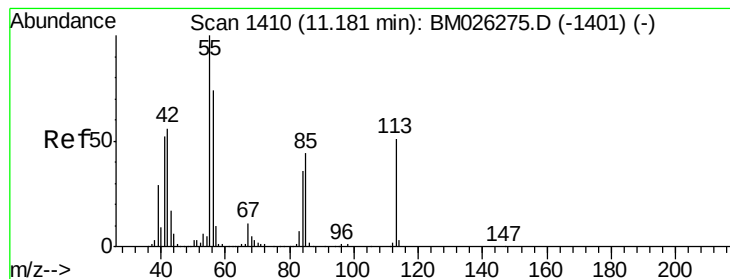


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 10.456 ng

RT: 11.10 min Scan# 1396

Delta R.T. -0.02 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

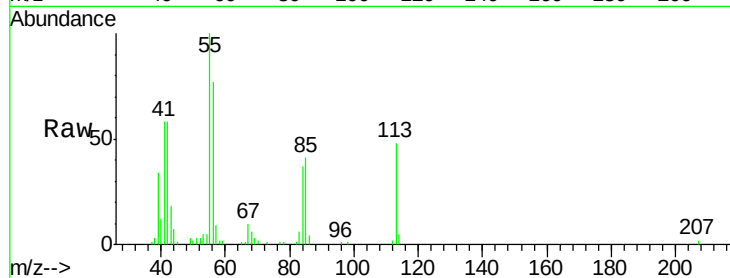
Tot Ion:113 Resp: 23245

Ion Ratio Lower Upper

113 100

55 210.3 177.1 217.1

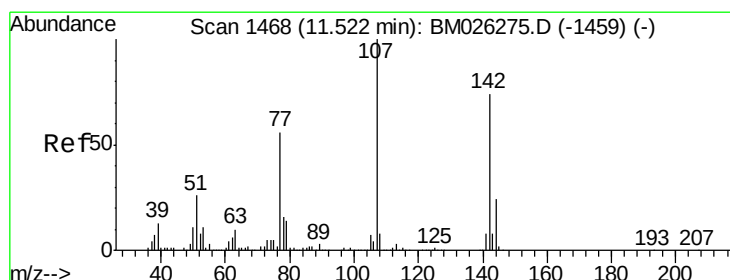
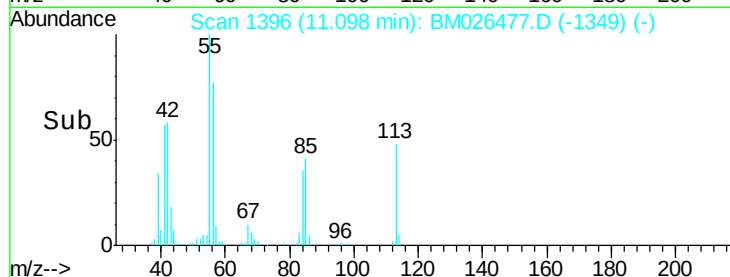
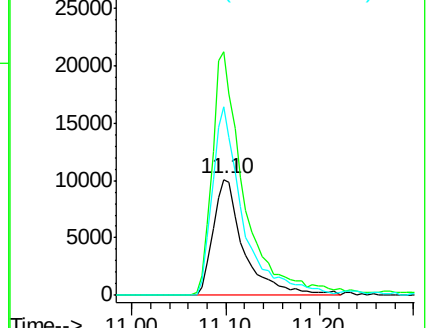
56 162.9 134.8 174.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 9.588 ng

RT: 11.46 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

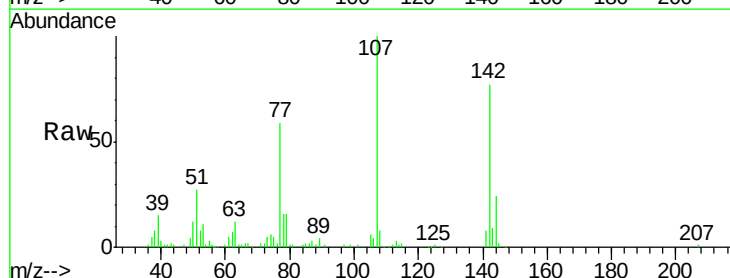
Tgt Ion:107 Resp: 73932

Ion Ratio Lower Upper

107 100

144 23.9 18.7 28.1

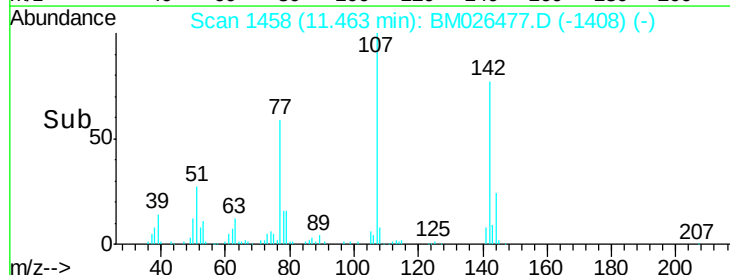
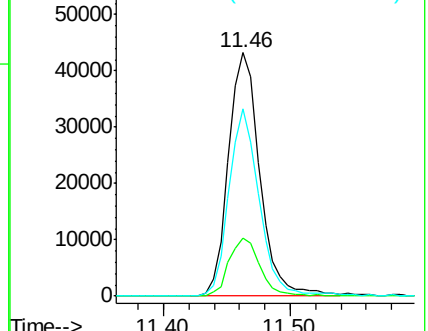
142 77.2 57.7 86.5

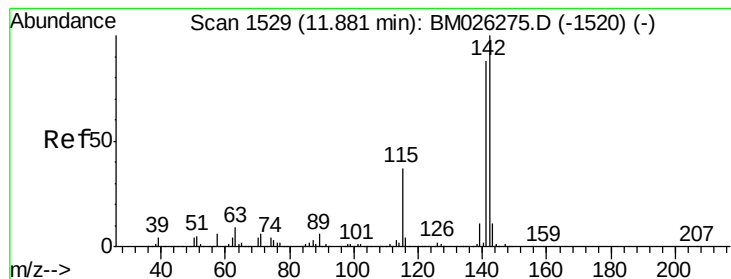


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 10.146 ng

RT: 11.82 min Scan# 1519

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

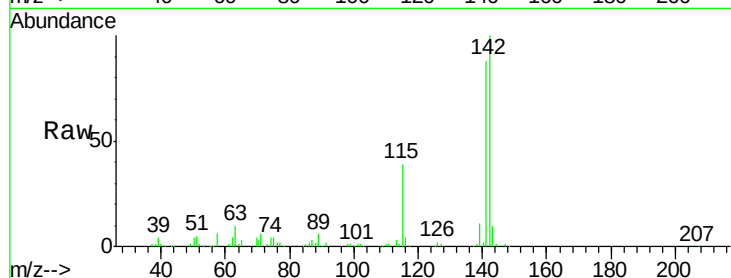
Tot Ion:142 Resp: 157746

Ion Ratio Lower Upper

142 100

141 87.8 70.5 105.7

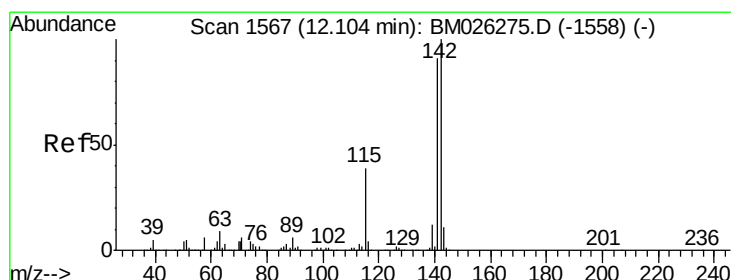
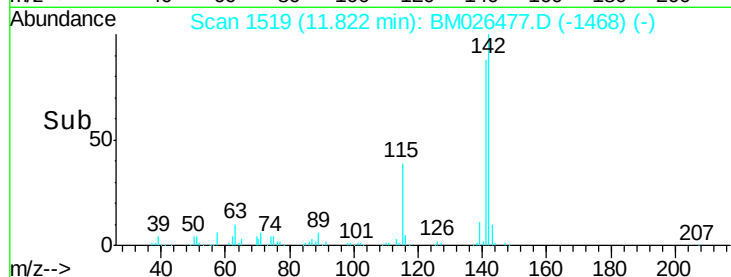
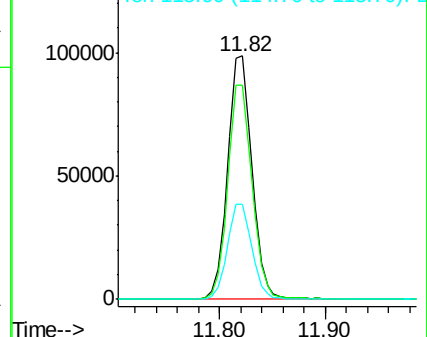
115 38.8 30.2 45.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 10.405 ng

RT: 12.05 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

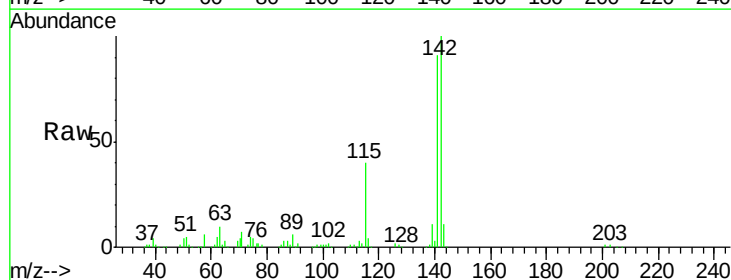
Tgt Ion:142 Resp: 153250

Ion Ratio Lower Upper

142 100

141 90.7 73.3 109.9

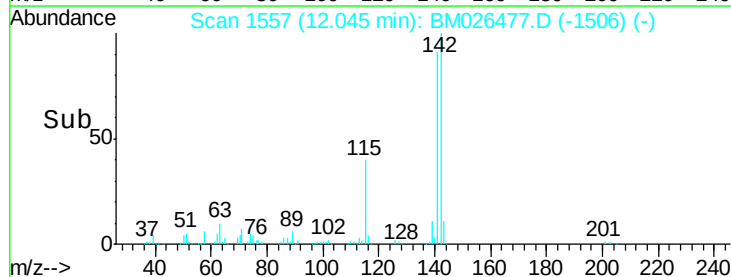
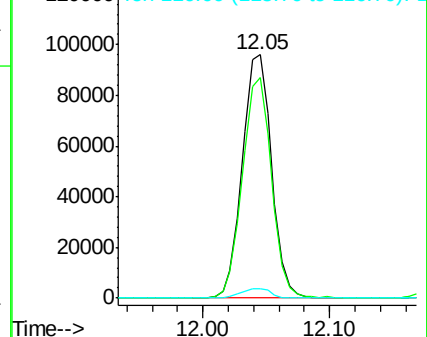
116 3.9 3.4 5.0

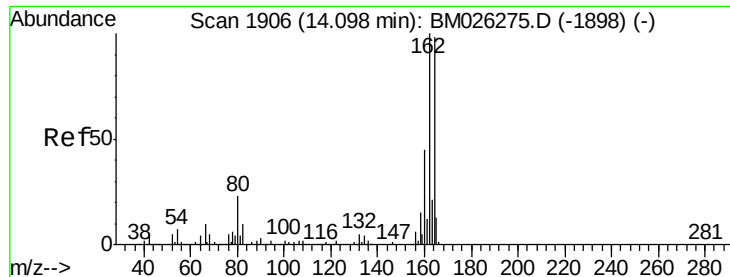


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

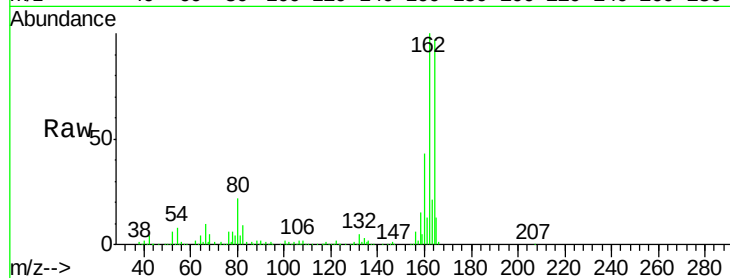
Tot Ion:164 Resp: 307239

Ion Ratio Lower Upper

164 100

162 103.2 77.7 116.5

160 44.8 34.2 51.2

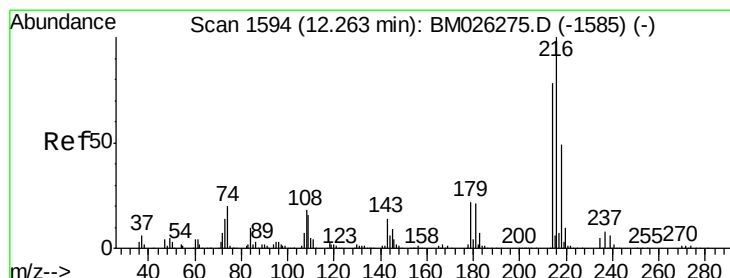
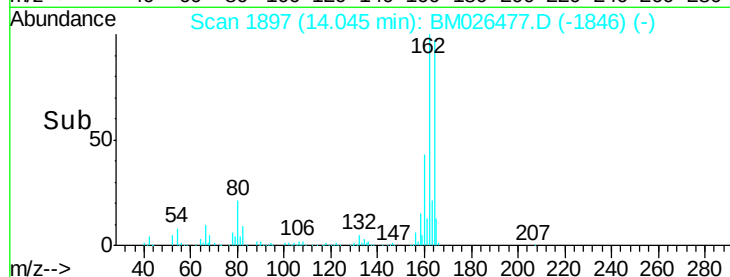
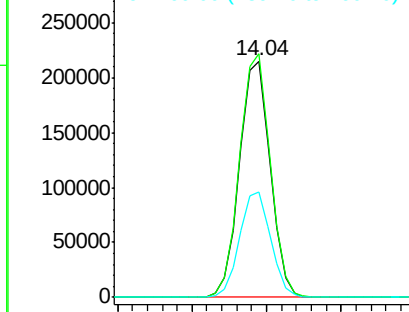


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.762 ng

RT: 12.20 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Tgt Ion:216 Resp: 85378

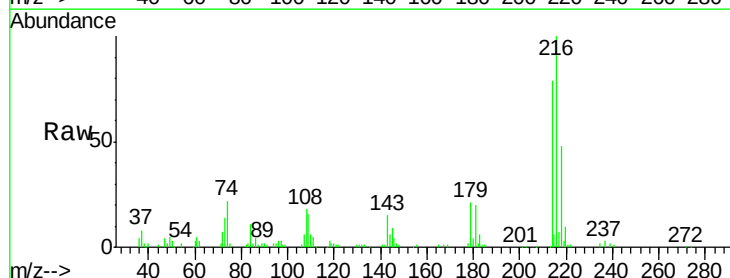
Ion Ratio Lower Upper

216 100

214 78.3 61.9 92.9

179 22.1 16.3 24.5

108 19.8 15.3 22.9



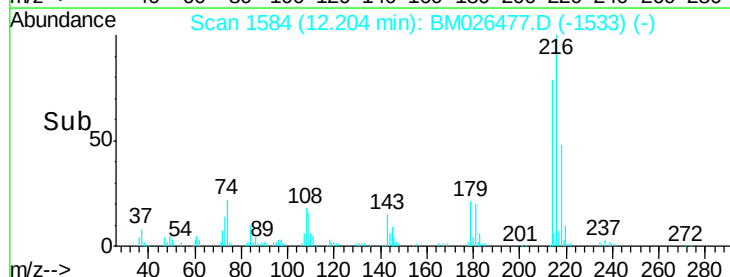
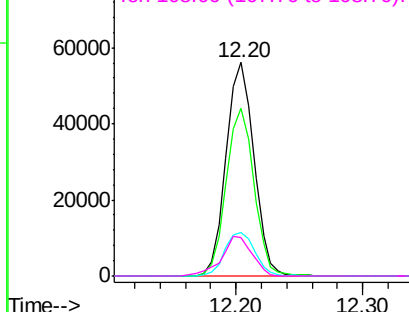
Abundance

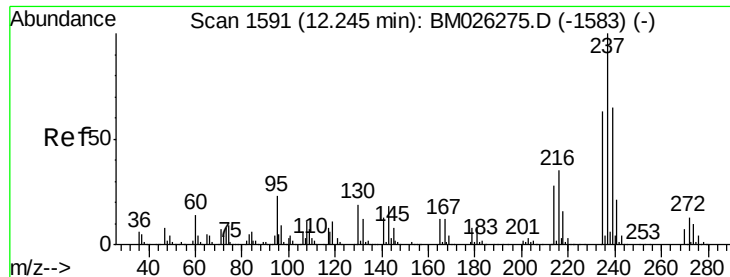
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 7.351 ng

RT: 12.18 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

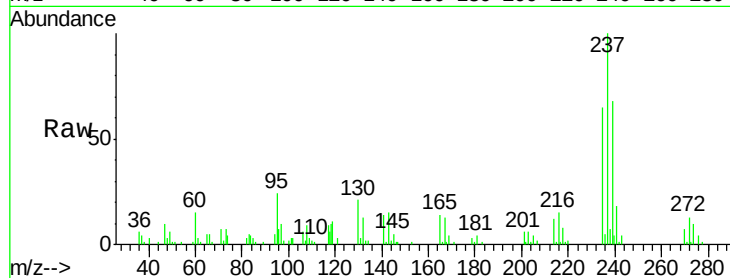
Tot Ion:237 Resp: 37884

Ion Ratio Lower Upper

237 100

235 65.4 42.1 82.1

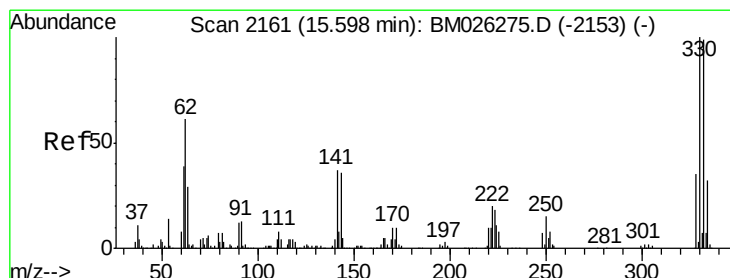
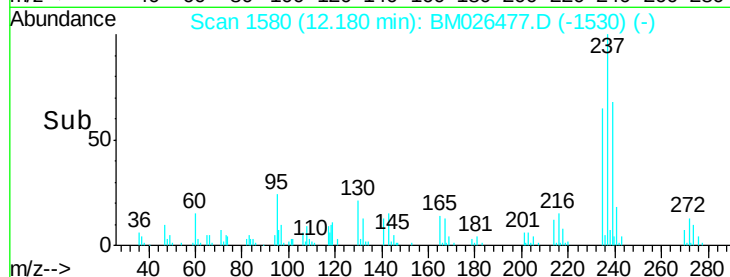
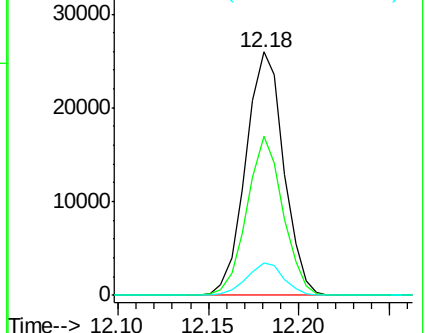
272 13.4 0.0 33.5



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: 168.856 ng

RT: 15.55 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

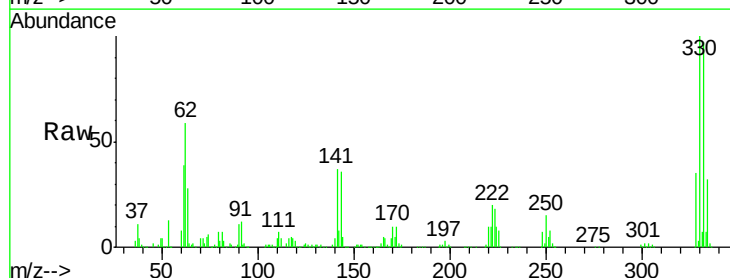
Tgt Ion:330 Resp: 628439

Ion Ratio Lower Upper

330 100

332 97.1 77.7 116.5

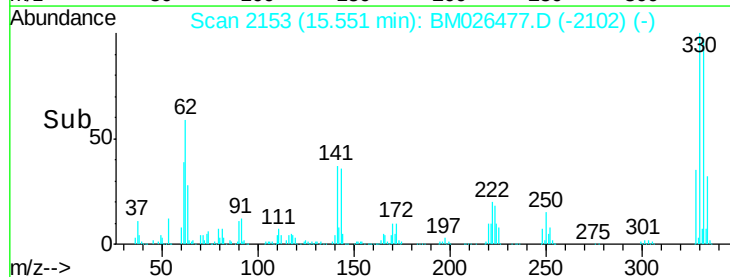
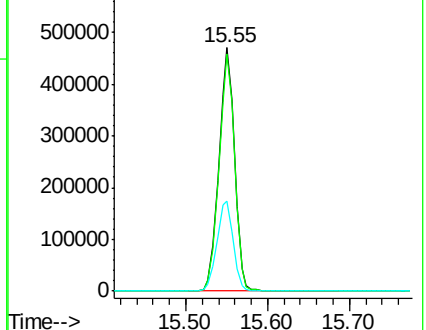
141 38.2 29.7 44.5

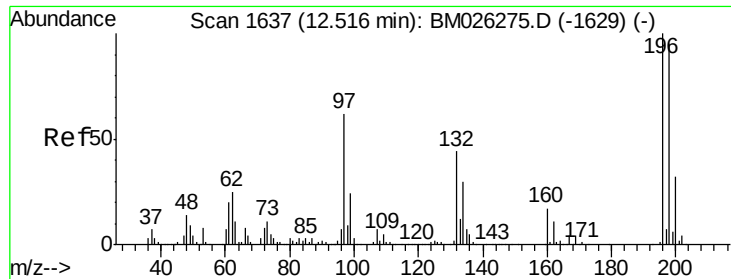


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

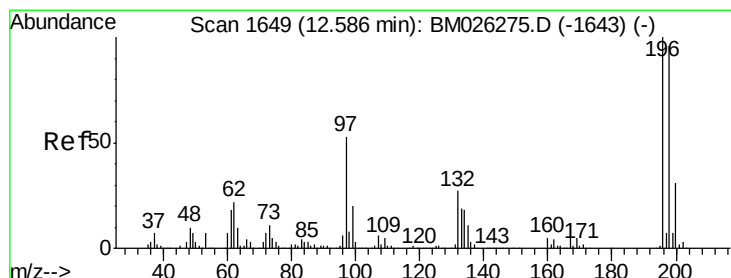
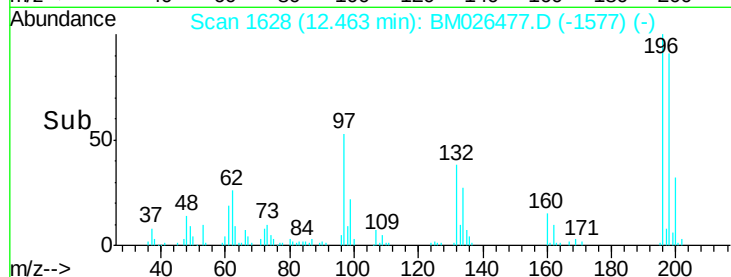
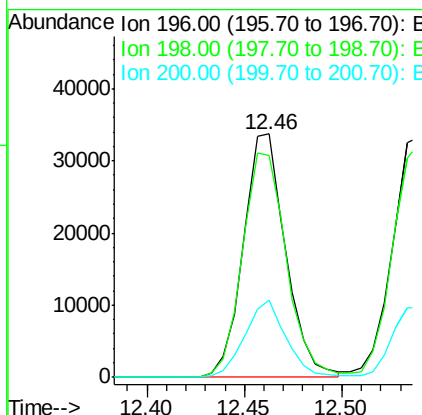
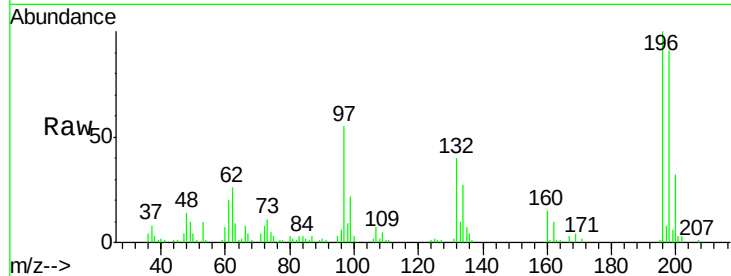




#43
 2,4,6-Trichlorophenol
 Concen: 8.567 ng
 RT: 12.46 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: BM026477.D
 Acq: 19 Jun 2020 22:06

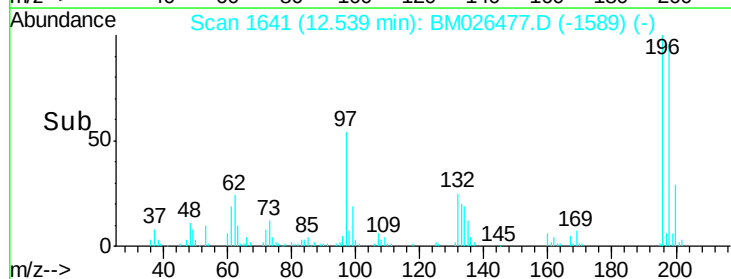
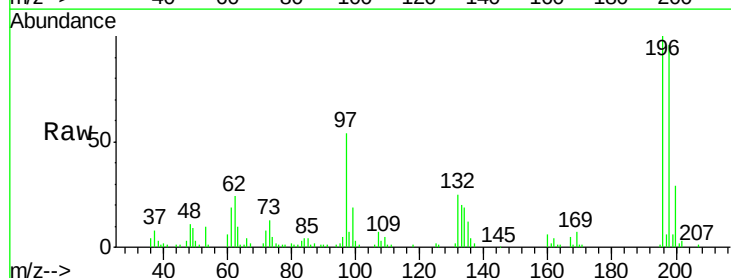
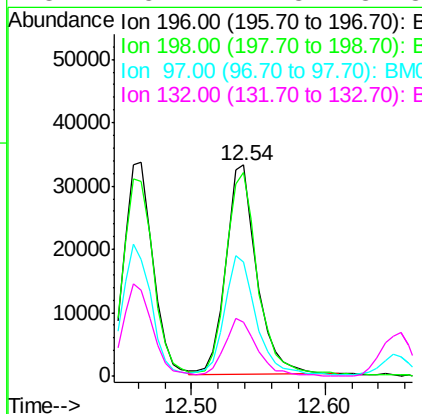
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

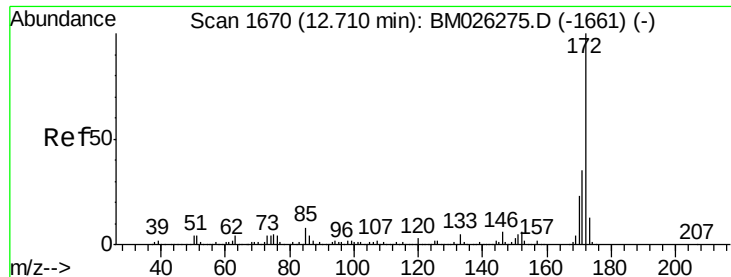
Tot Ion:196 Resp: 50715
 Ion Ratio Lower Upper
 196 100
 198 91.3 79.0 118.4
 200 31.6 25.2 37.8



#44
 2,4,5-Trichlorophenol
 Concen: 7.870 ng
 RT: 12.54 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BM026477.D
 Acq: 19 Jun 2020 22:06

Tgt Ion:196 Resp: 54077
 Ion Ratio Lower Upper
 196 100
 198 96.4 77.1 115.7
 97 54.3 43.0 64.4
 132 25.4 21.8 32.8

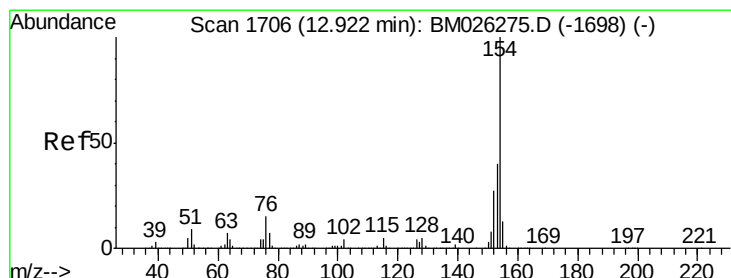
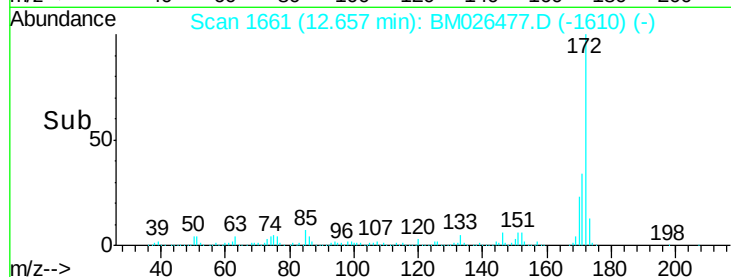
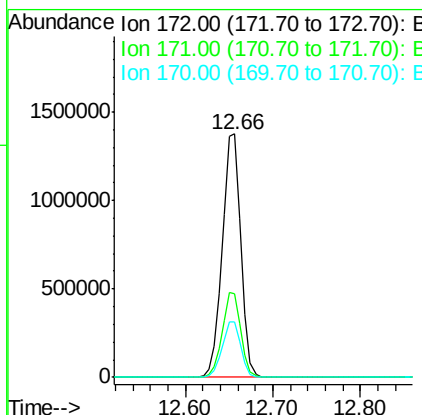
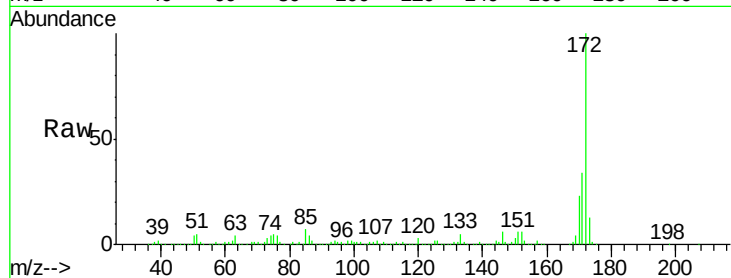




#45
2-Fluorobiphenyl
Concen: 100.136 ng
RT: 12.66 min Scan# 1661
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

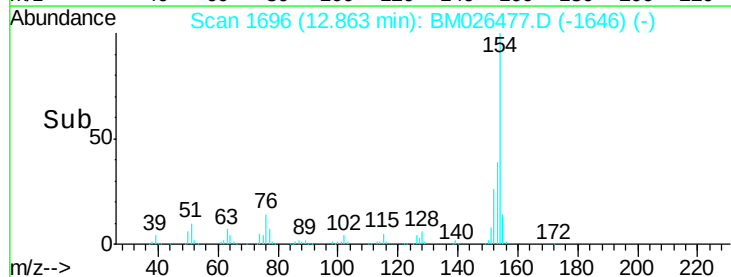
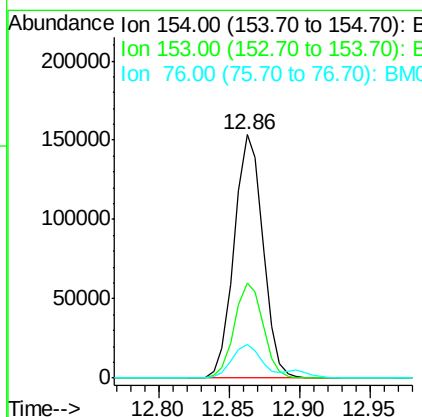
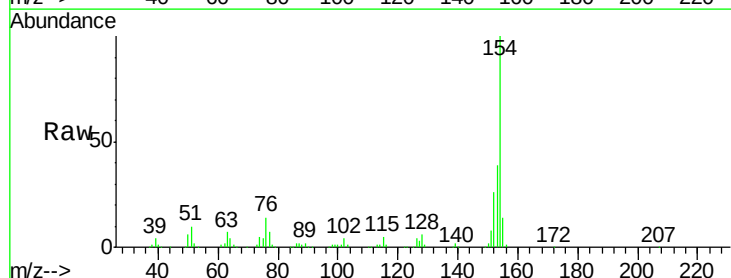
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

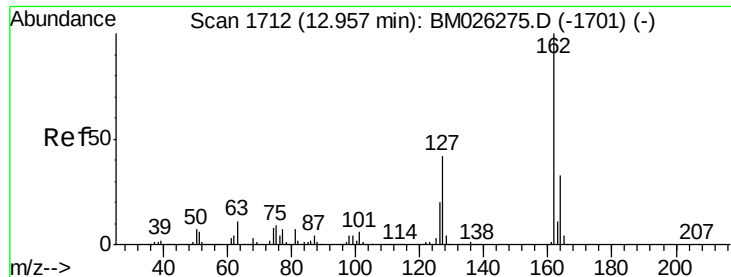
Tot Ion:172 Resp: 2026767
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.8
170 23.0 18.2 27.4



#46
1,1'-Biphenyl
Concen: 10.168 ng
RT: 12.86 min Scan# 1696
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion:154 Resp: 219011
Ion Ratio Lower Upper
154 100
153 39.2 20.0 60.0
76 14.0 0.0 34.6





#47

2-Chloronaphthalene

Concen: 9.139 ng

RT: 12.90 min Scan# 1702

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

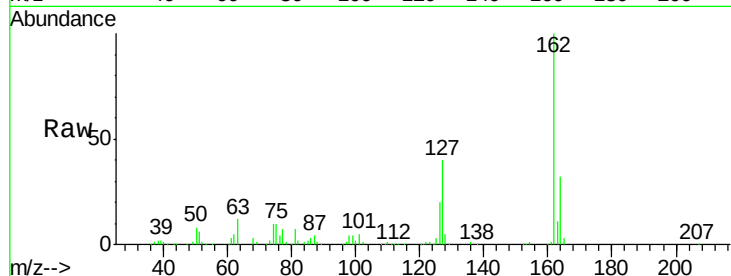
Tot Ion: 162 Resp: 159901

Ion Ratio Lower Upper

162 100

127 40.3 34.0 51.0

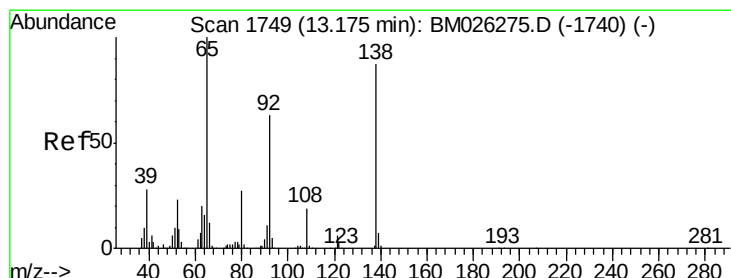
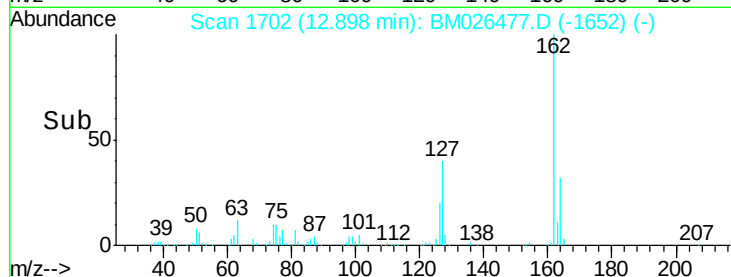
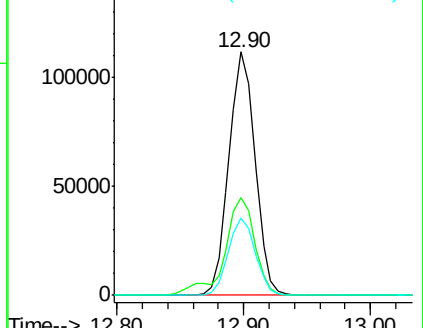
164 32.0 26.3 39.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 8.434 ng

RT: 13.12 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

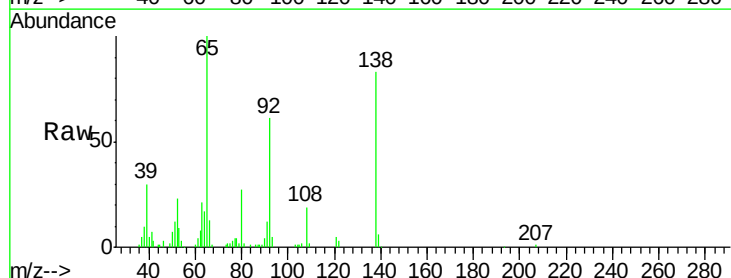
Tgt Ion: 65 Resp: 58484

Ion Ratio Lower Upper

65 100

92 60.9 50.6 76.0

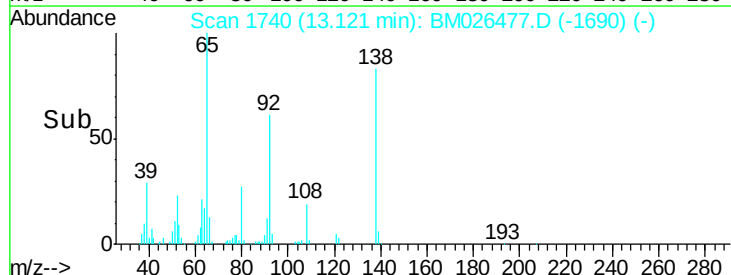
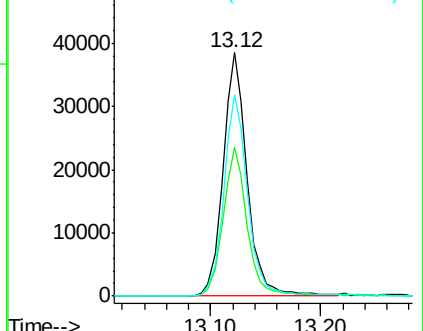
138 82.7 71.6 107.4

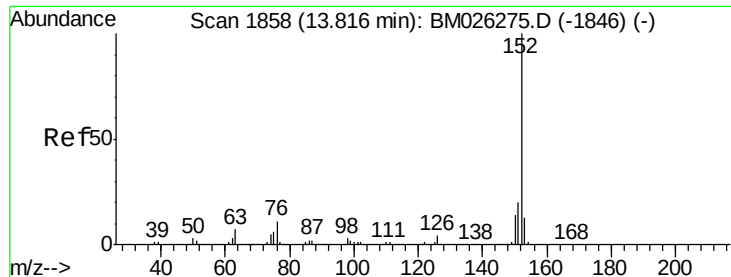


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 9.262 ng

RT: 13.76 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

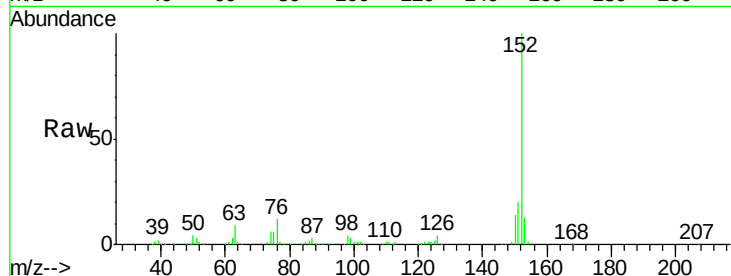
Tot Ion:152 Resp: 259174

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

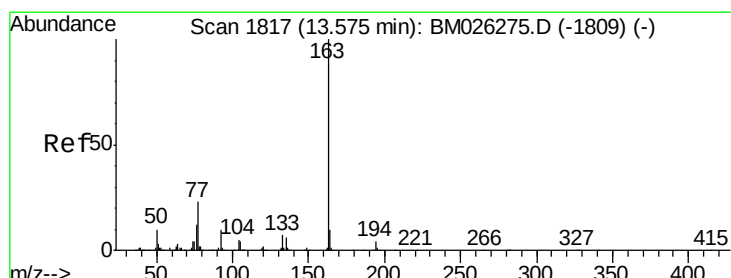
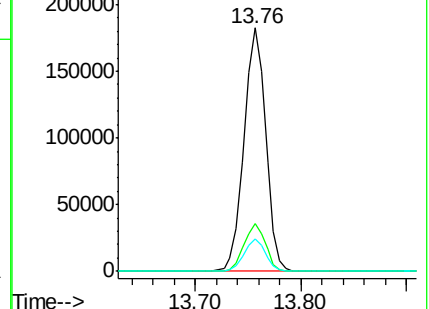
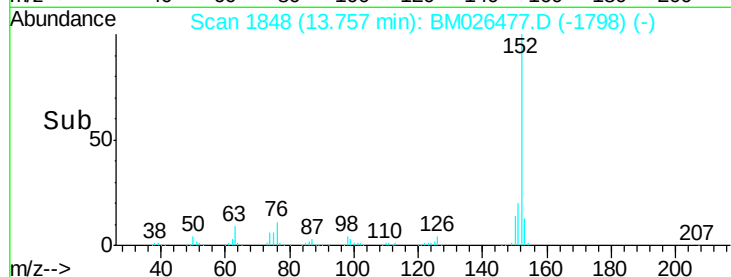
153 13.2 10.1 15.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.590 ng

RT: 13.52 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

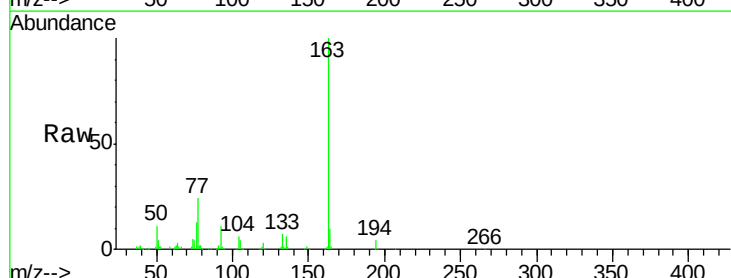
Tgt Ion:163 Resp: 215504

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

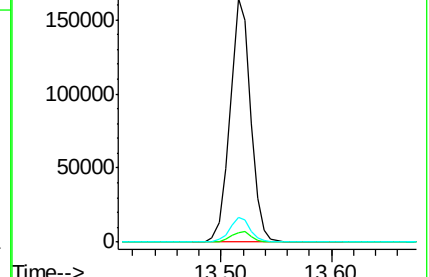
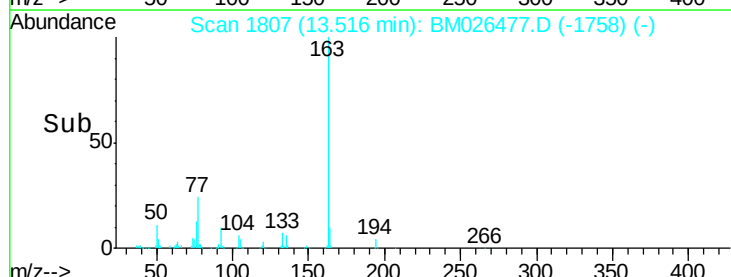
164 9.9 7.8 11.8

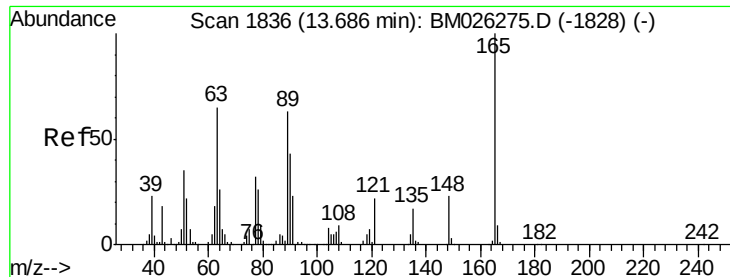


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

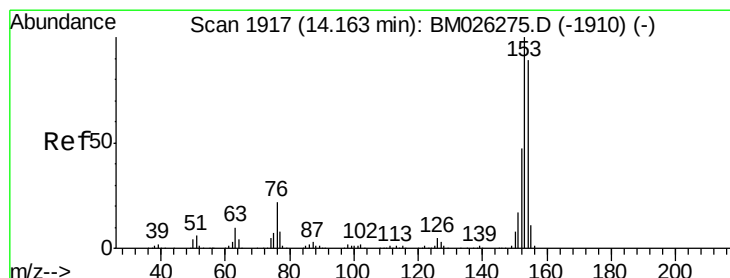
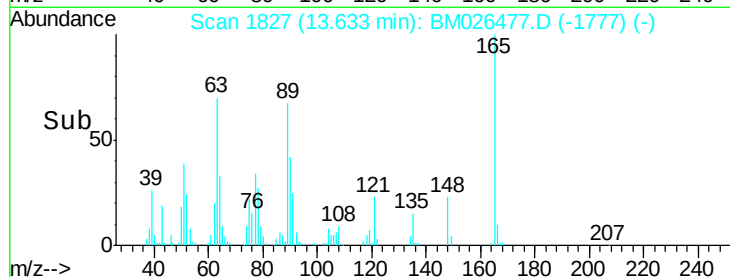
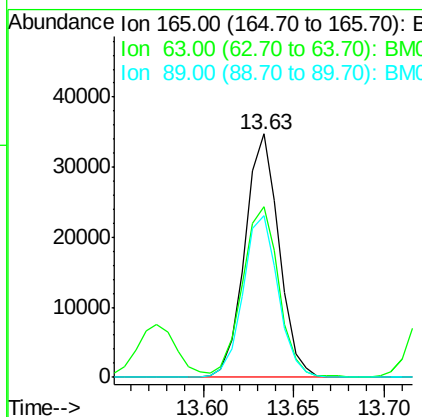
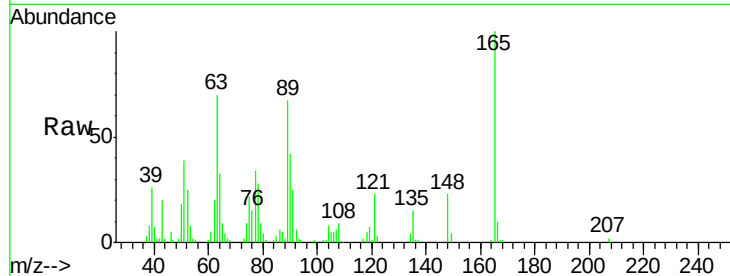




#51
2,6-Dinitrotoluene
Concen: 9.191 ng
RT: 13.63 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

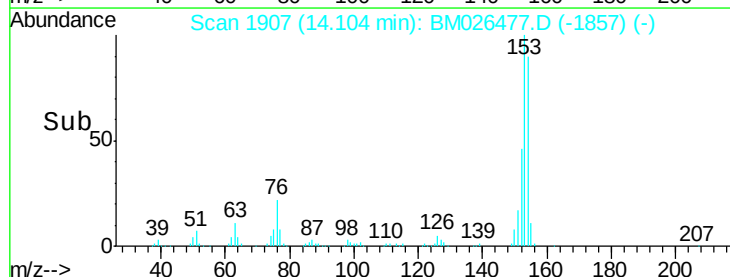
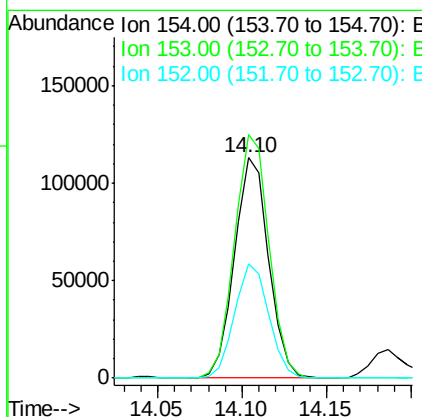
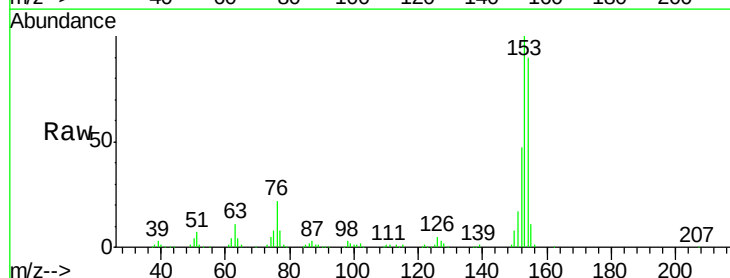
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

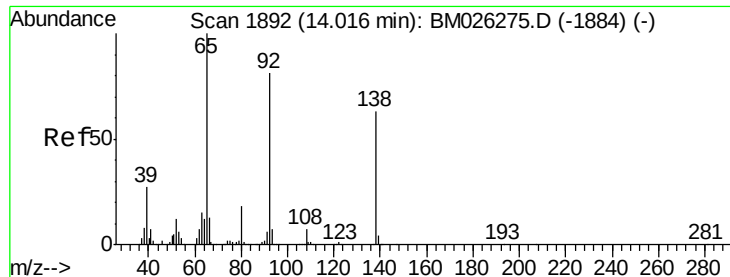
Tot Ion:165 Resp: 45322
Ion Ratio Lower Upper
165 100
63 70.0 54.3 81.5
89 66.6 51.5 77.3



#52
Acenaphthene
Concen: 9.454 ng
RT: 14.10 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion:154 Resp: 158829
Ion Ratio Lower Upper
154 100
153 110.6 88.6 132.8
152 51.7 42.0 63.0





#53

3-Nitroaniline

Concen: 7.416 ng

RT: 13.96 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

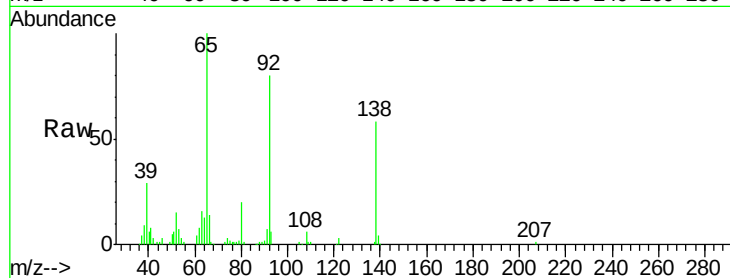
Tot Ion:138 Resp: 40724

Ion Ratio Lower Upper

138 100

108 11.2 9.4 14.0

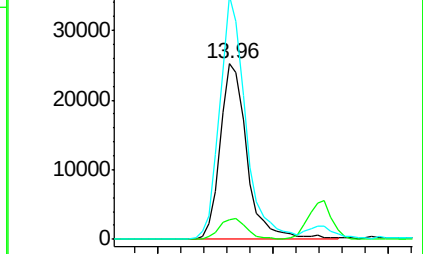
92 138.9 105.4 158.2



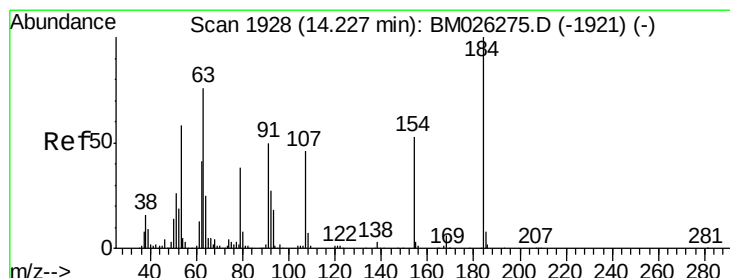
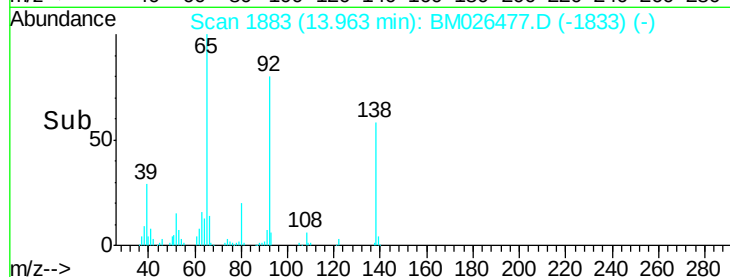
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



Time-->



#54

2,4-Dinitrophenol

Concen: 12.417 ng

RT: 14.19 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

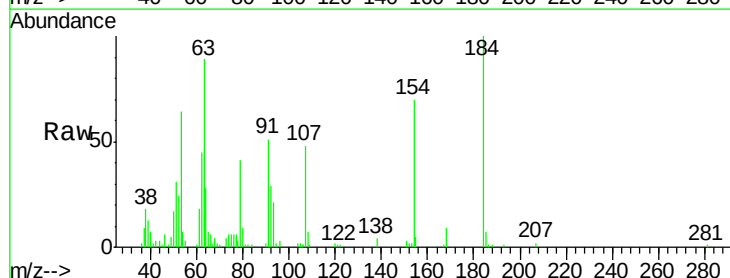
Tgt Ion:184 Resp: 37214

Ion Ratio Lower Upper

184 100

63 89.1 61.8 92.6

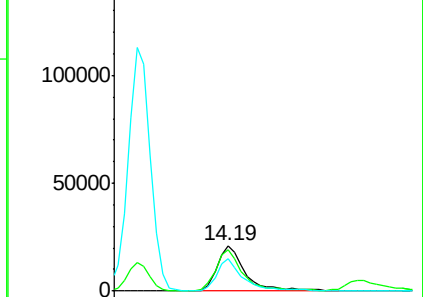
154 70.1 53.1 79.7



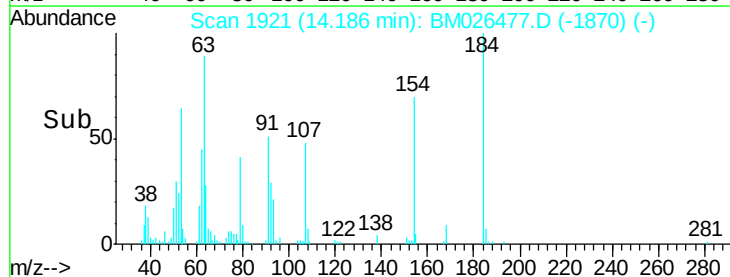
Abundance Ion 184.00 (183.70 to 184.70): E

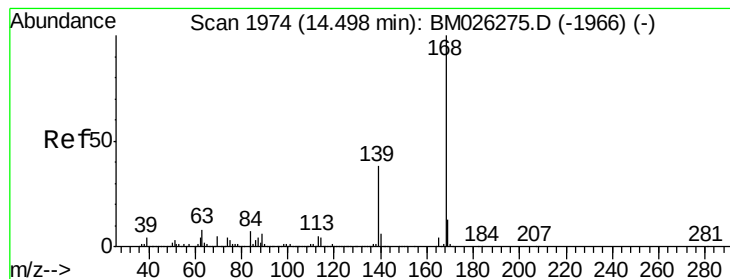
Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E



Time-->





#55

Dibenzenofuran

Concen: 9.488 ng

RT: 14.44 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

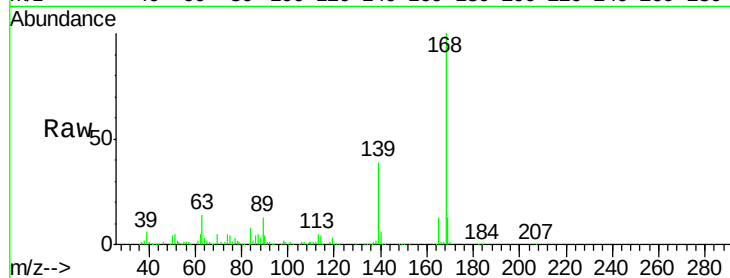
Tot Ion:168 Resp: 256821

Ion Ratio Lower Upper

168 100

139 39.4 31.4 47.0

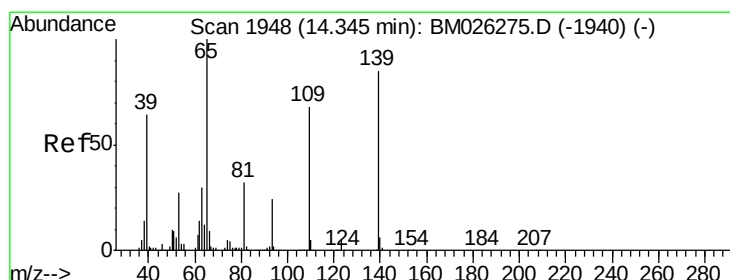
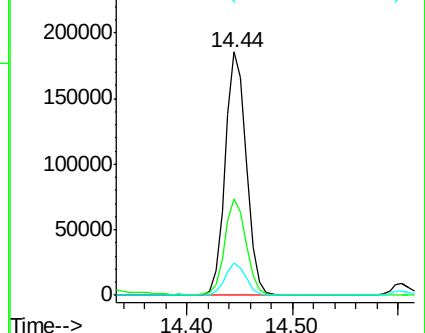
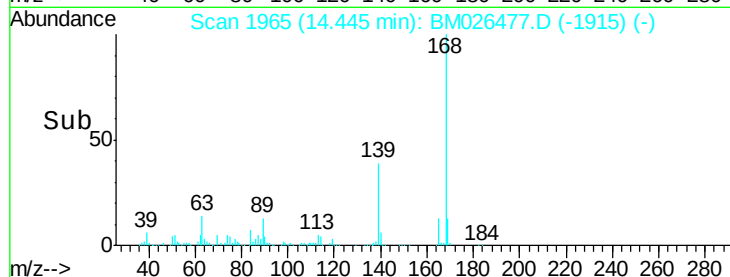
169 13.1 10.7 16.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 6.376 ng

RT: 14.30 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

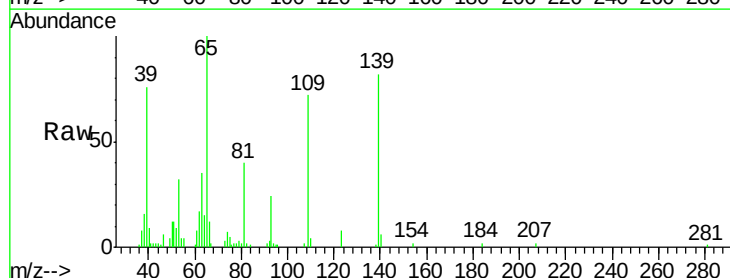
Tgt Ion:139 Resp: 27764

Ion Ratio Lower Upper

139 100

109 87.2 64.9 104.9

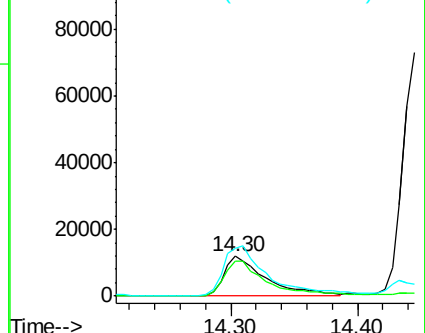
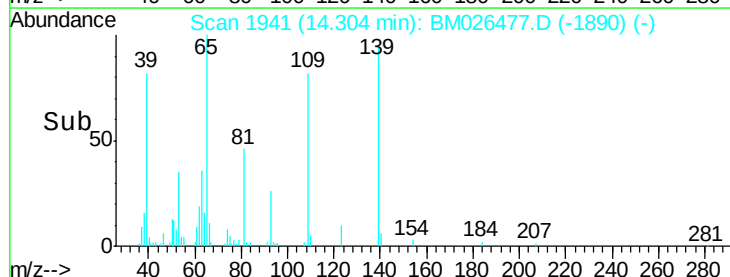
65 121.3 98.1 138.1

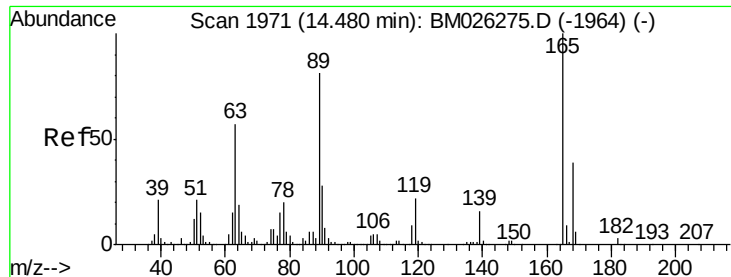


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

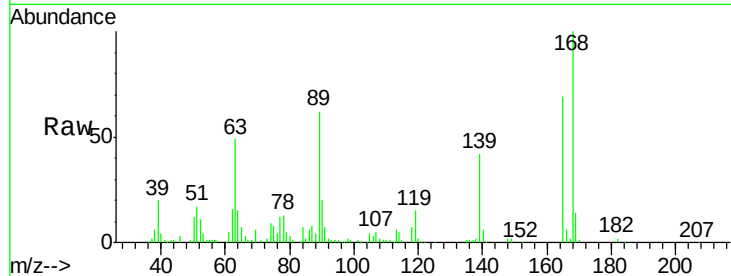




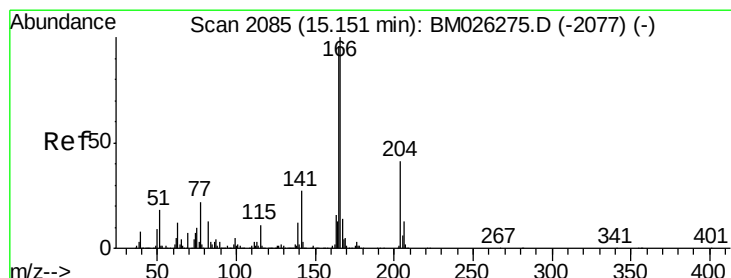
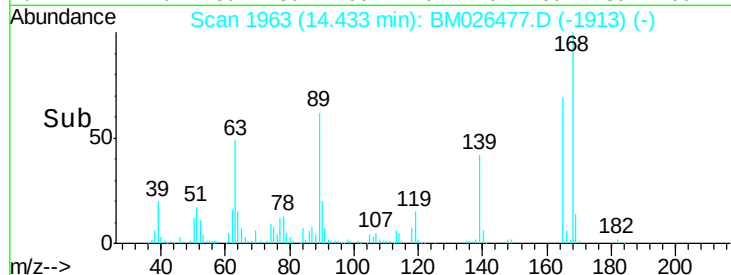
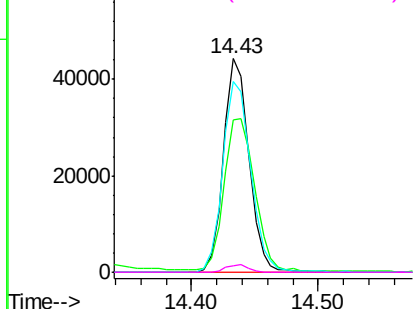
#57
2,4-Dinitrotoluene
Concen: 9.011 ng
RT: 14.43 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:165 Resp: 61782
Ion Ratio Lower Upper
165 100
63 71.4 48.1 72.1
89 89.1 65.6 98.4
182 3.0 2.7 4.1

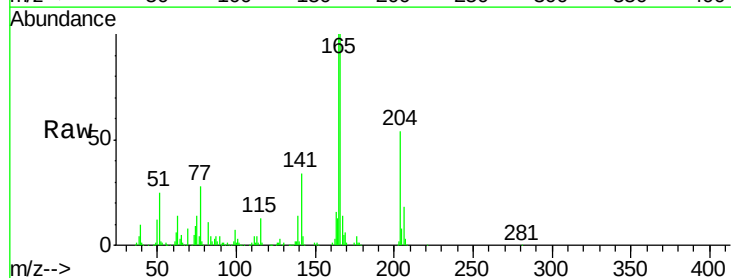


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 89.00 (88.70 to 89.70): BM0
Ion 182.00 (181.70 to 182.70): E

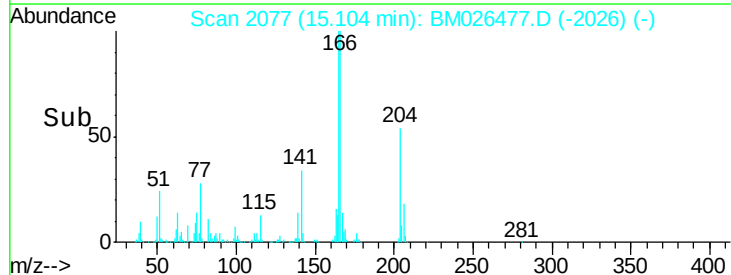
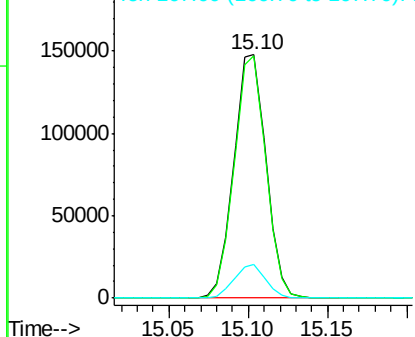


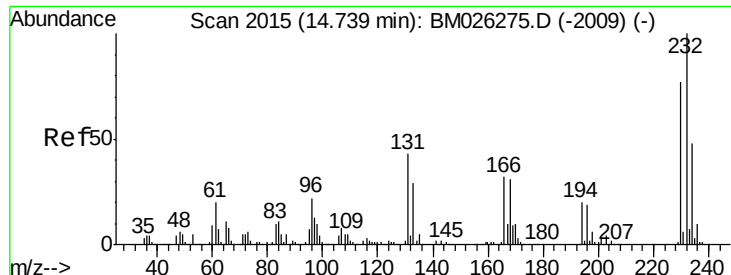
#58
Fluorene
Concen: 9.478 ng
RT: 15.10 min Scan# 2077
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion:166 Resp: 208374
Ion Ratio Lower Upper
166 100
165 99.7 77.5 116.3
167 13.7 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

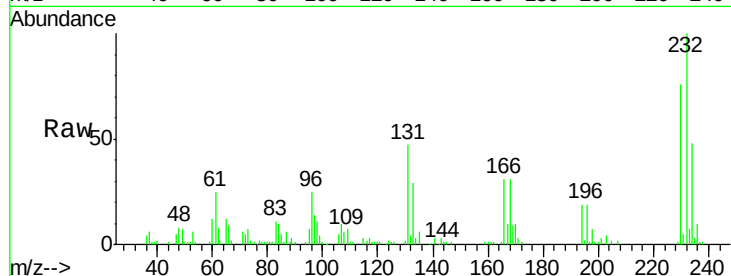




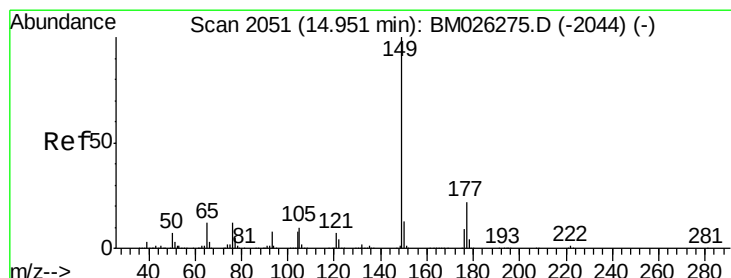
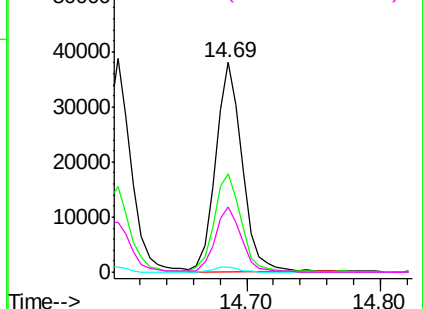
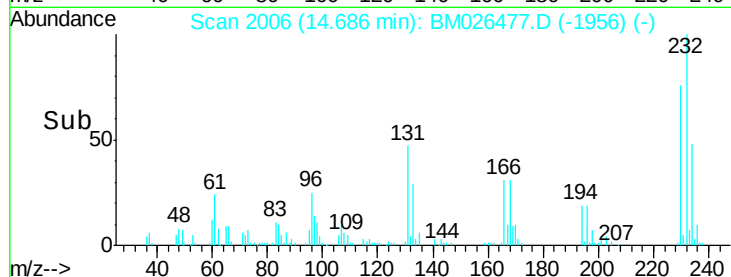
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 9.044 ng
 RT: 14.69 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BM026477.D
 Acq: 19 Jun 2020 22:06

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion:232 Resp: 53154
 Ion Ratio Lower Upper
 232 100
 131 48.7 36.4 54.6
 130 2.5 2.0 3.0
 166 31.2 24.8 37.2

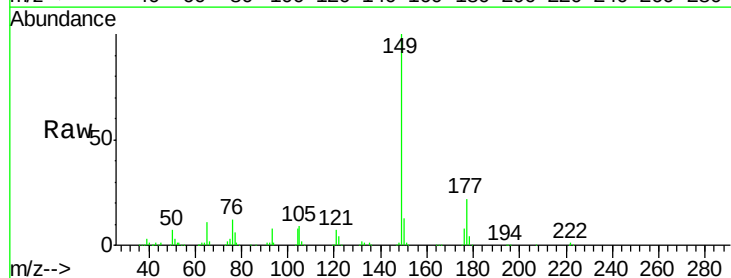


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

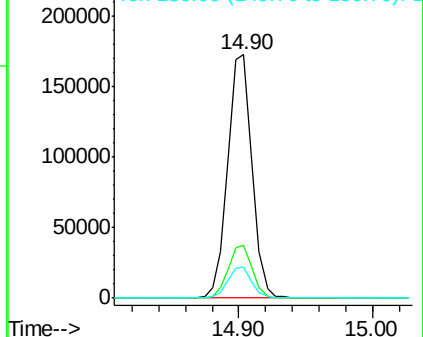
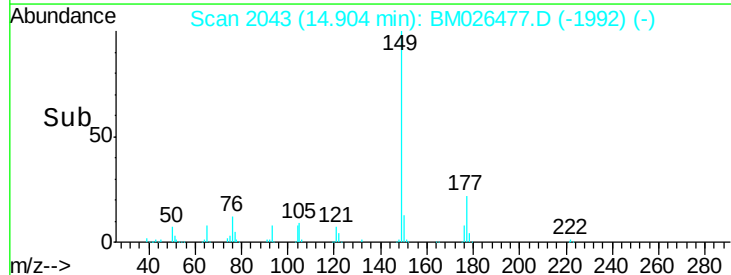


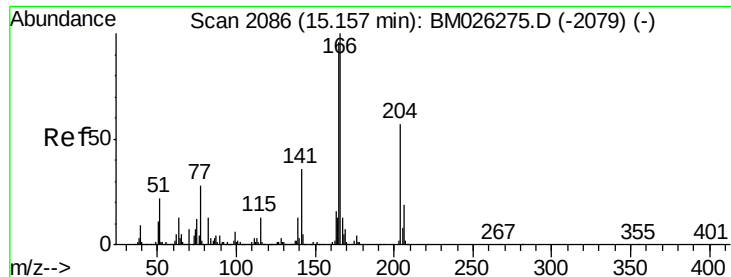
#60
 Diethylphthalate
 Concen: 9.704 ng
 RT: 14.90 min Scan# 2043
 Delta R.T. -0.00 min
 Lab File: BM026477.D
 Acq: 19 Jun 2020 22:06

Tgt Ion:149 Resp: 222121
 Ion Ratio Lower Upper
 149 100
 177 21.9 17.6 26.4
 150 12.8 9.9 14.9



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

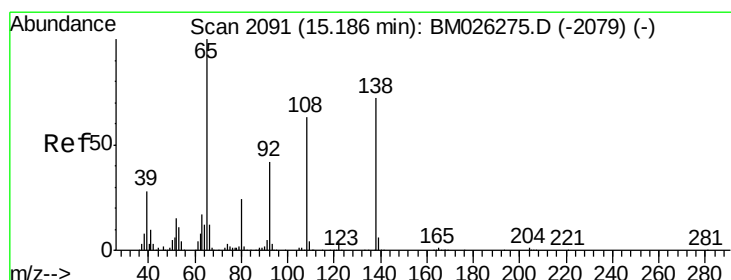
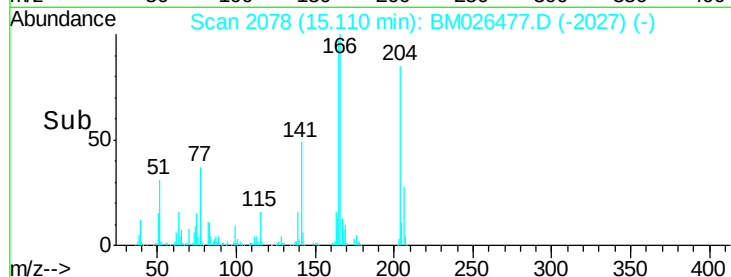
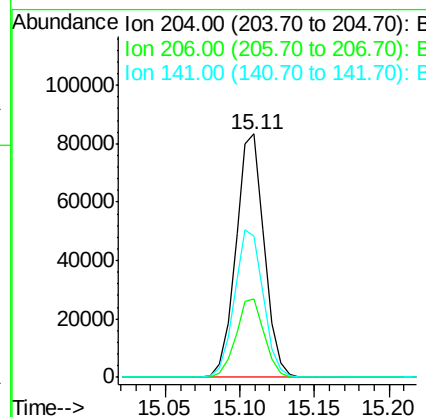
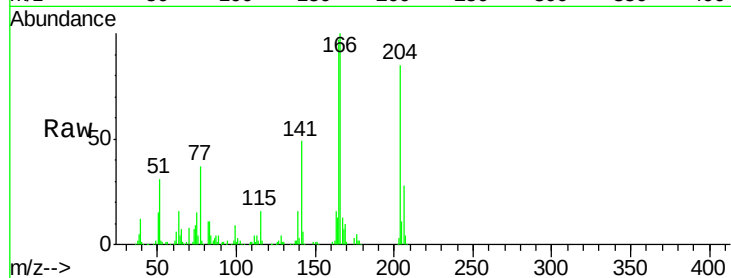




#61
4-Chlorophenyl-phenylether
Concen: 9.449 ng
RT: 15.11 min Scan# 2078
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

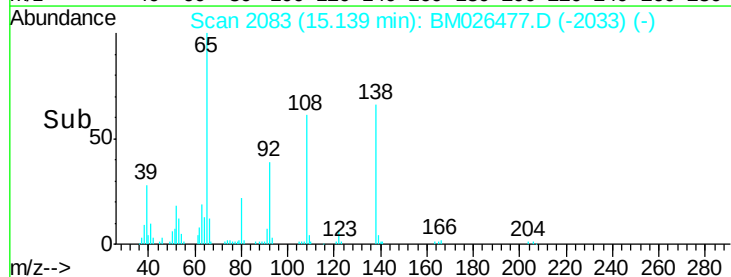
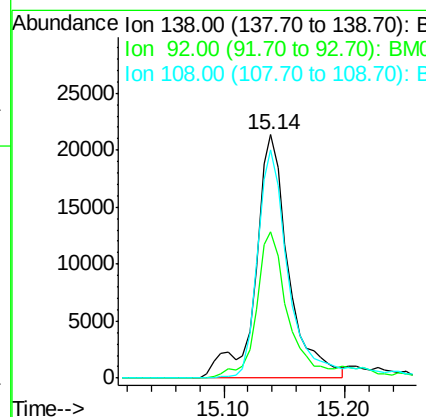
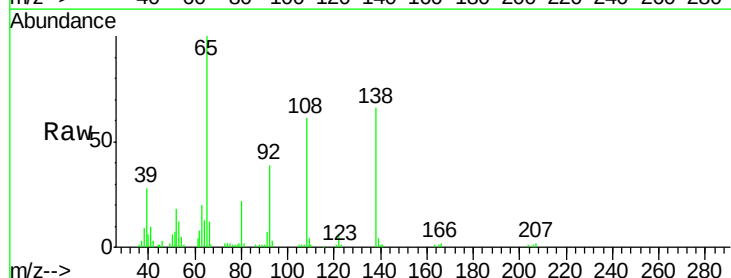
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

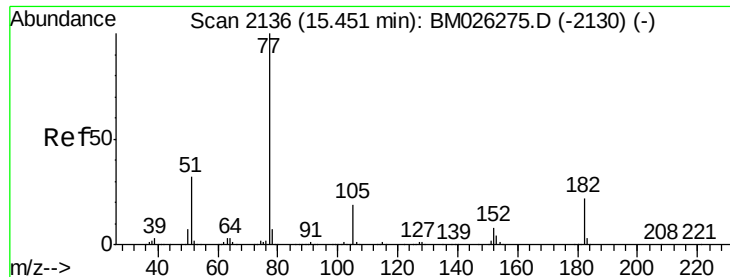
Tot Ion:204 Resp: 110194
Ion Ratio Lower Upper
204 100
206 32.3 26.6 40.0
141 58.0 49.4 74.2



#62
4-Nitroaniline
Concen: 6.904 ng
RT: 15.14 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion:138 Resp: 40432
Ion Ratio Lower Upper
138 100
92 59.8 37.5 77.5
108 93.6 66.3 106.3





#63

Azobenzene

Concen: 9.580 ng

RT: 15.40 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion: 77 Resp: 239918

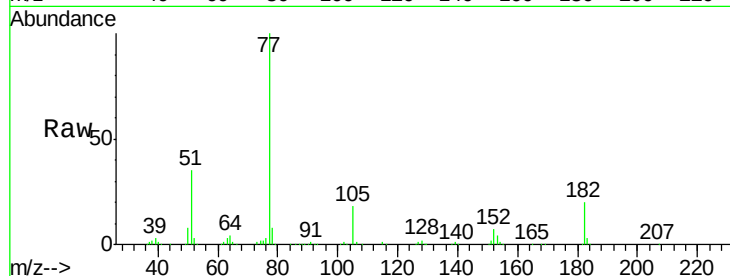
Ion Ratio Lower Upper

77 100

182 20.0 2.1 42.1

105 17.8 0.0 38.3

51 35.4 13.5 53.5

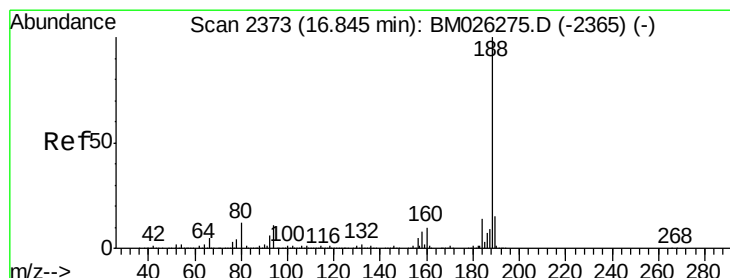
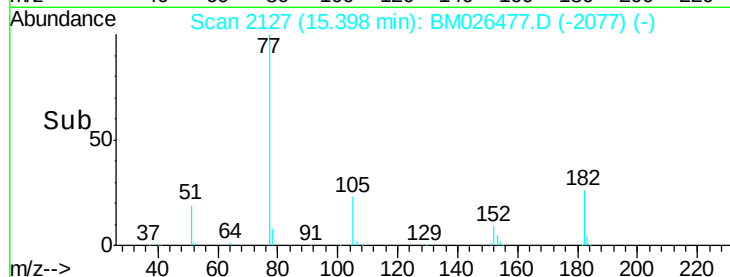
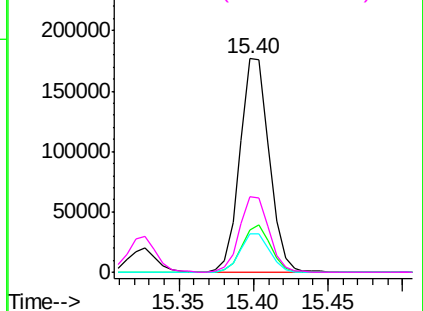


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.80 min Scan# 2365

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

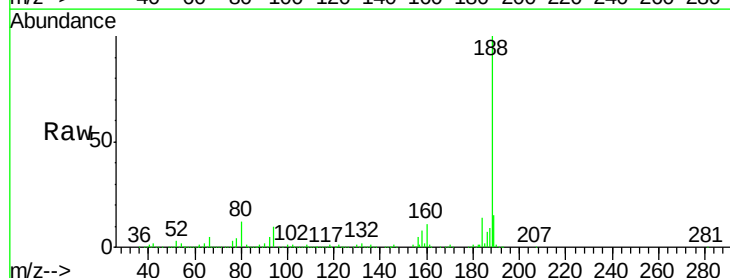
Tgt Ion: 188 Resp: 694421

Ion Ratio Lower Upper

188 100

94 9.7 7.8 11.6

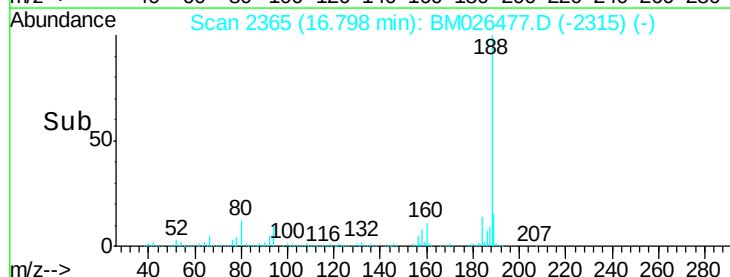
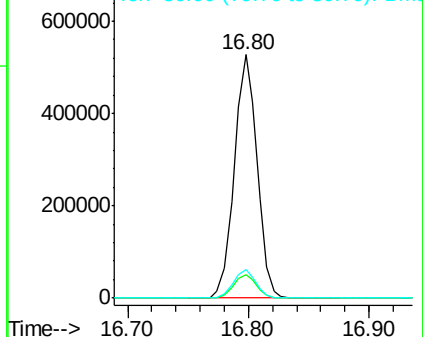
80 11.5 9.5 14.3

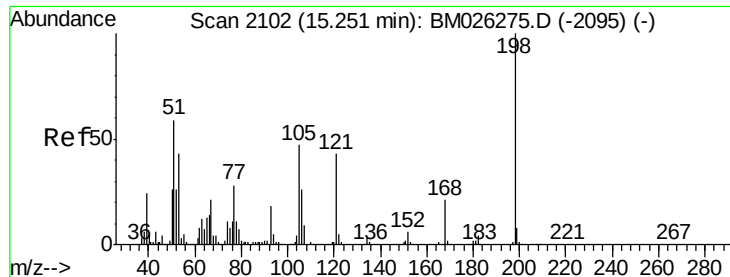


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

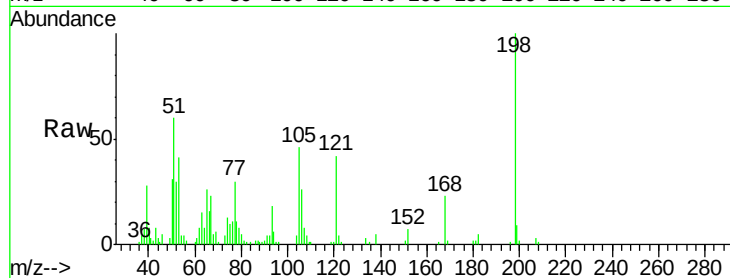




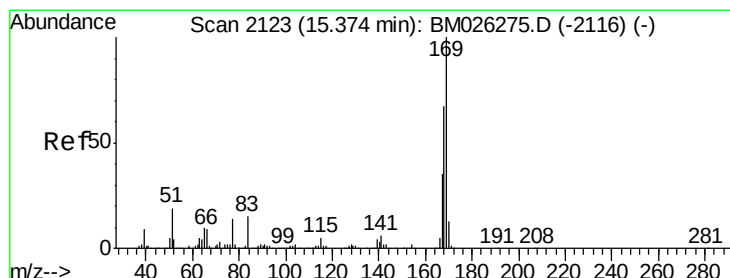
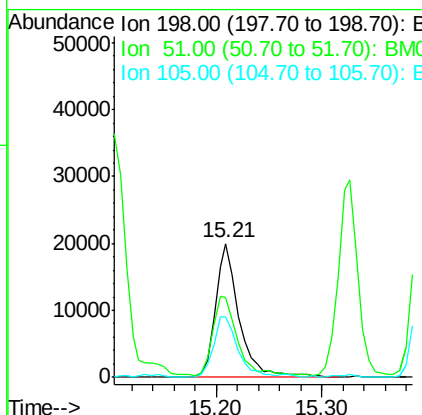
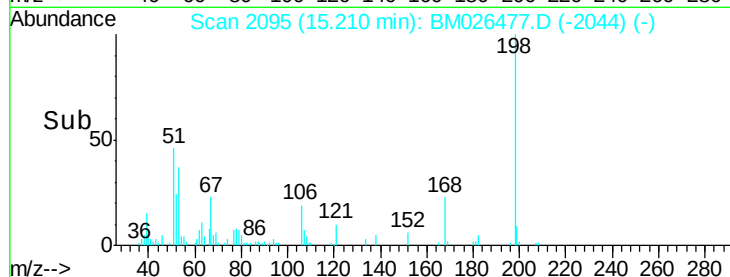
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.400 ng
 RT: 15.21 min Scan# 2095
 Delta R.T. -0.00 min
 Lab File: BM026477.D
 Acq: 19 Jun 2020 22:06

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion:198 Resp: 31249
 Ion Ratio Lower Upper
 198 100
 51 60.1 35.6 75.6
 105 45.7 24.3 64.3

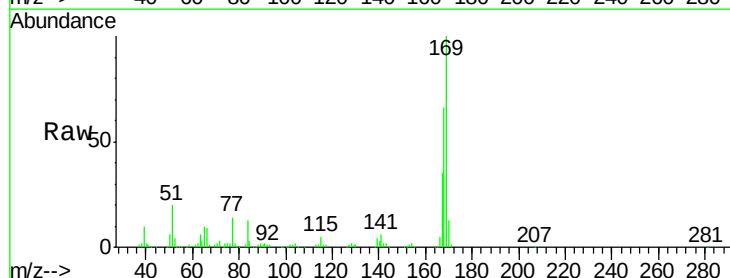


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BM026477.D (-2095) (-)
 Ion 105.00 (104.70 to 105.70): E

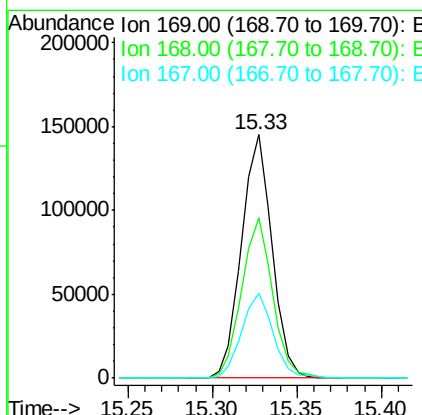
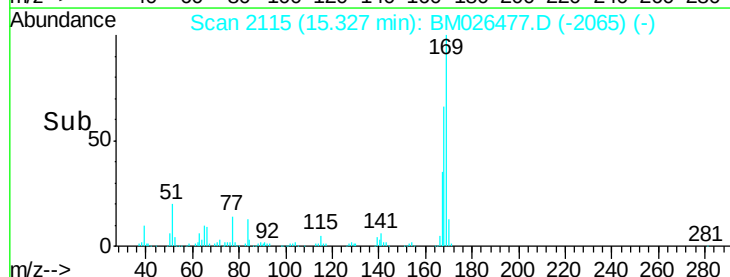


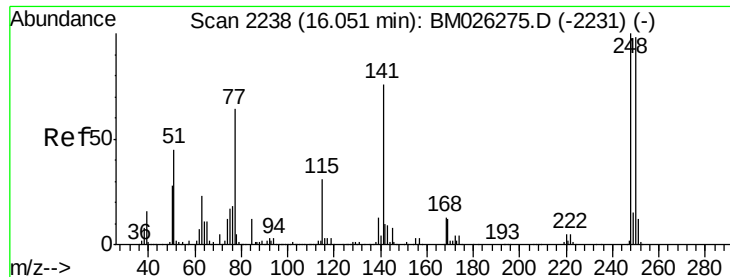
#66
 n-Nitrosodiphenylamine
 Concen: 9.128 ng
 RT: 15.33 min Scan# 2115
 Delta R.T. -0.01 min
 Lab File: BM026477.D
 Acq: 19 Jun 2020 22:06

Tgt Ion:169 Resp: 183627
 Ion Ratio Lower Upper
 169 100
 168 66.1 51.6 77.4
 167 35.0 28.2 42.4



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

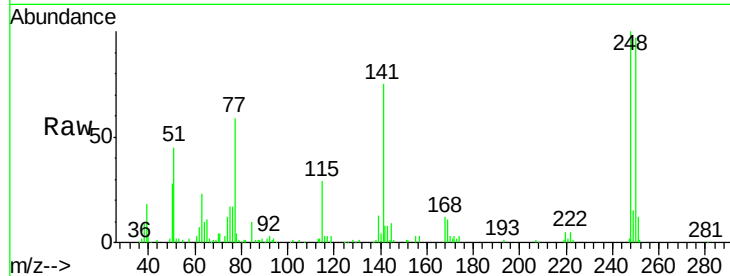




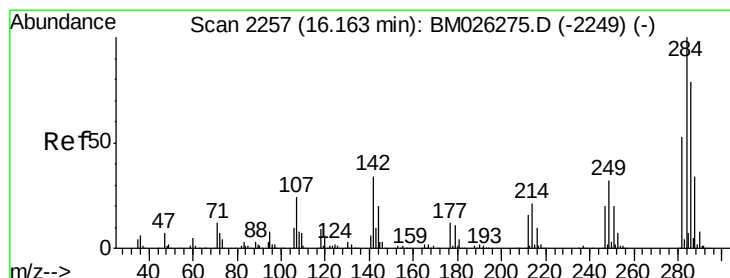
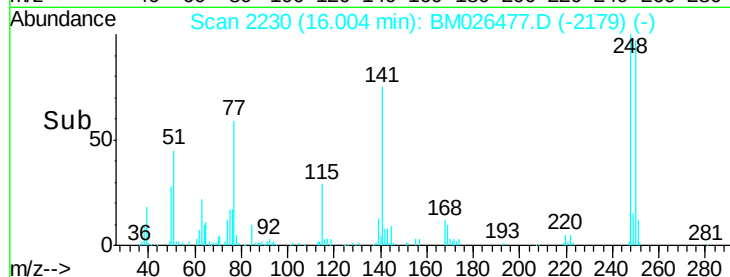
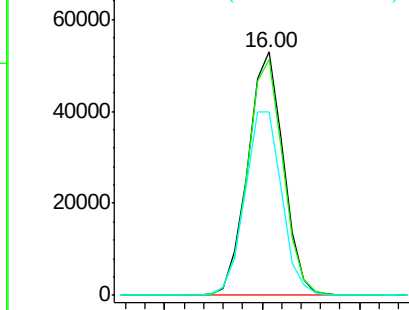
#67
4-Bromophenyl-phenylether
Concen: 8.740 ng
RT: 16.00 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:248 Resp: 66815
Ion Ratio Lower Upper
248 100
250 97.0 78.4 117.6
141 75.1 60.6 91.0

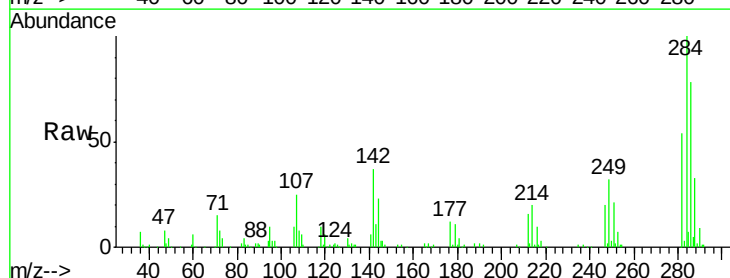


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

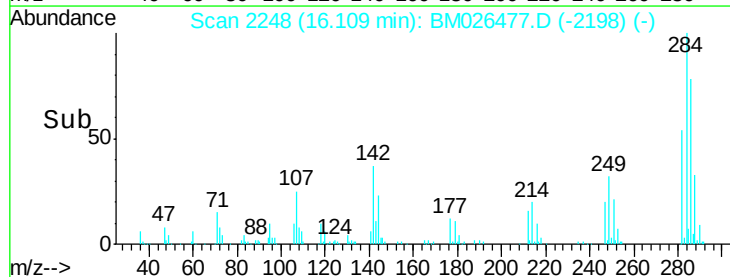
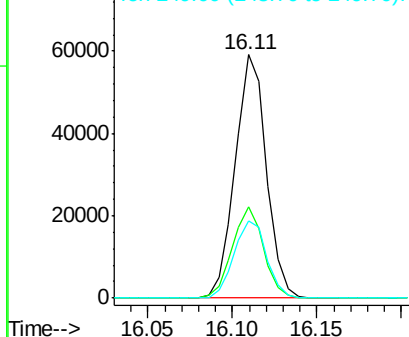


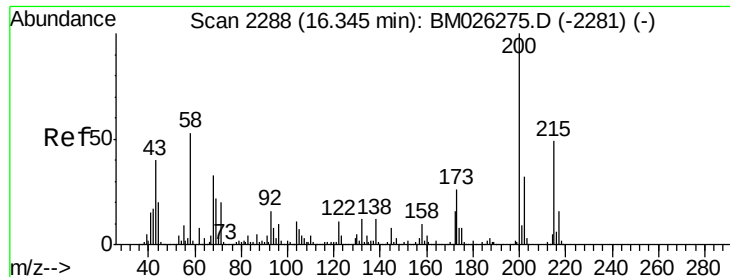
#68
Hexachlorobenzene
Concen: 9.517 ng
RT: 16.11 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion:284 Resp: 75914
Ion Ratio Lower Upper
284 100
142 37.3 29.1 43.7
249 31.7 27.2 40.8



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: 10.823 ng

RT: 16.29 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

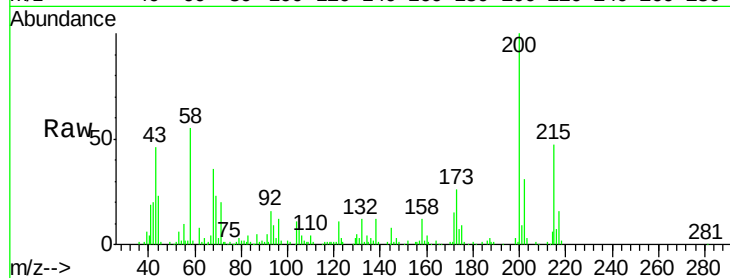
Tot Ion:200 Resp: 65048

Ion Ratio Lower Upper

200 100

173 25.7 6.6 46.6

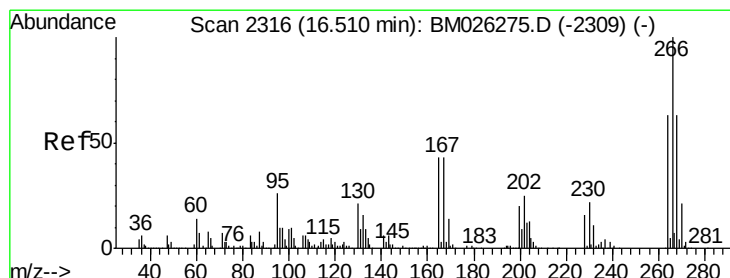
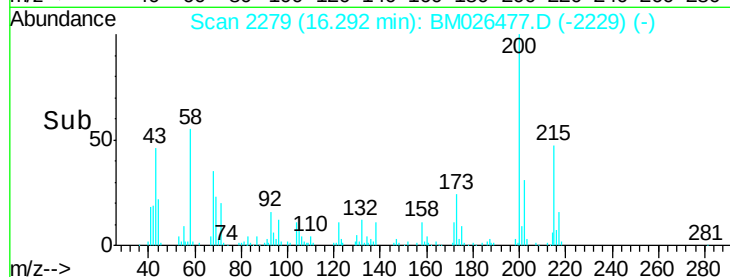
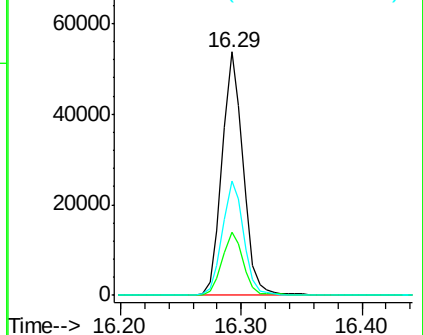
215 47.0 29.8 69.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 7.004 ng

RT: 16.47 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

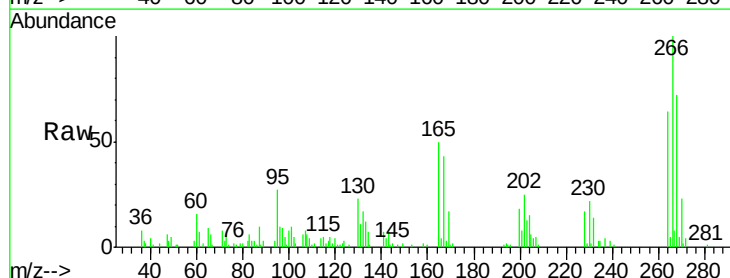
Tgt Ion:266 Resp: 33645

Ion Ratio Lower Upper

266 100

268 71.9 50.2 75.4

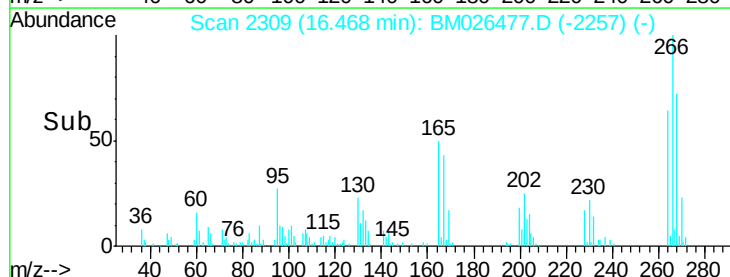
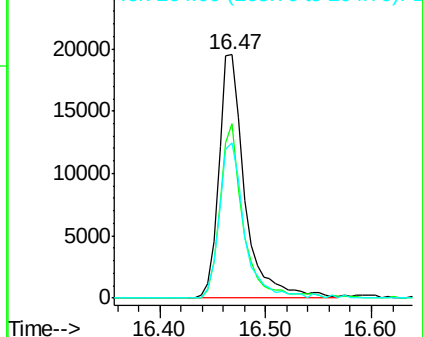
264 63.8 50.6 75.8

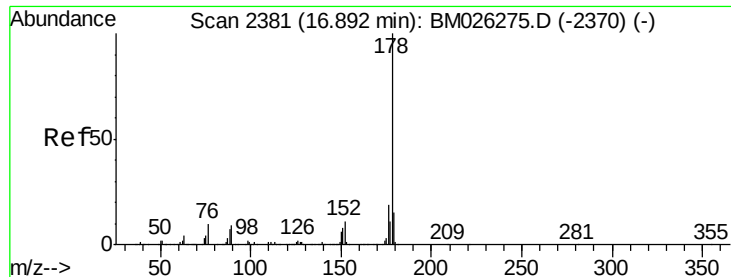


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

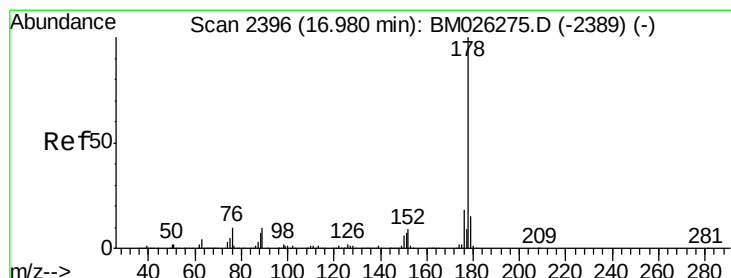
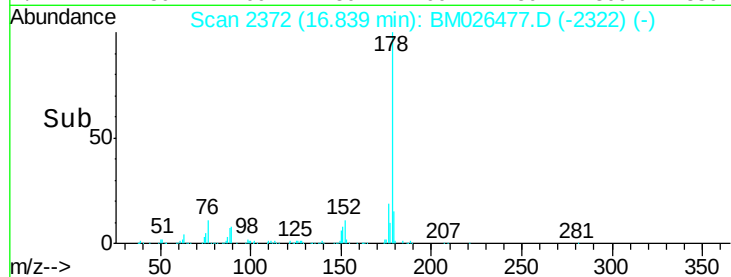
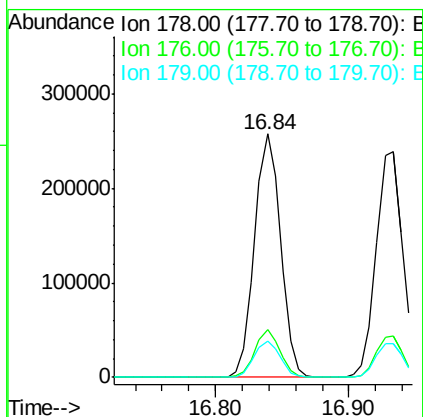
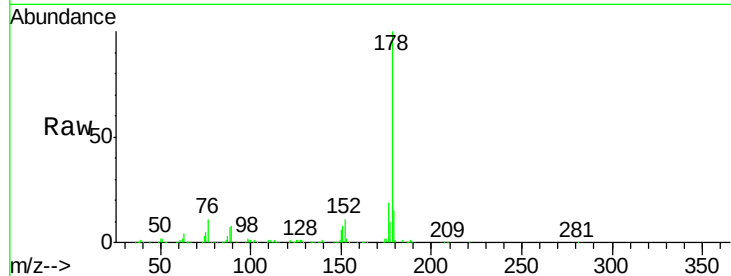




#71
Phenanthrene
Concen: 9.584 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

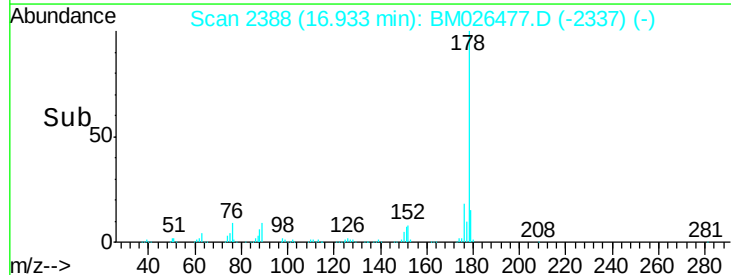
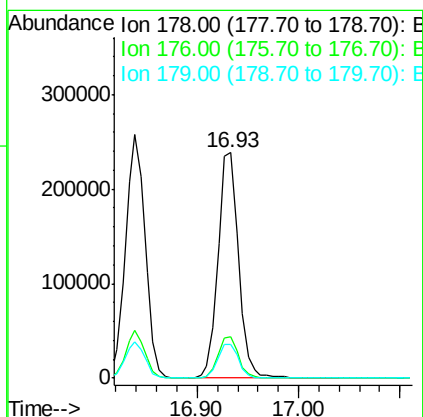
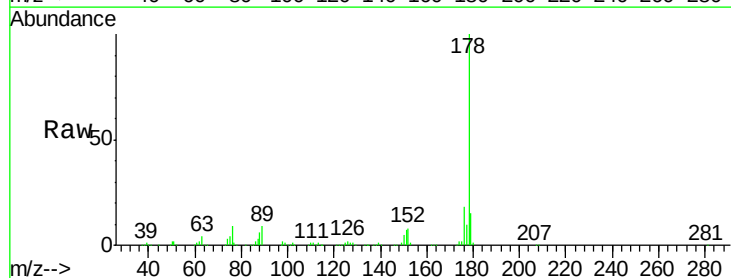
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

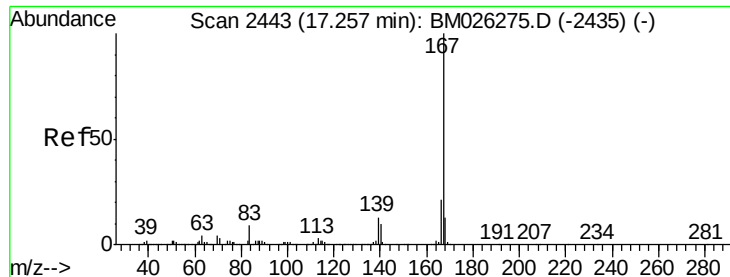
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	14.9	12.3	18.5



#72
Anthracene
Concen: 9.272 ng
RT: 16.93 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.5	21.7
179	15.1	12.3	18.5





#73

Carbazole

Concen: 8.803 ng

RT: 17.21 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

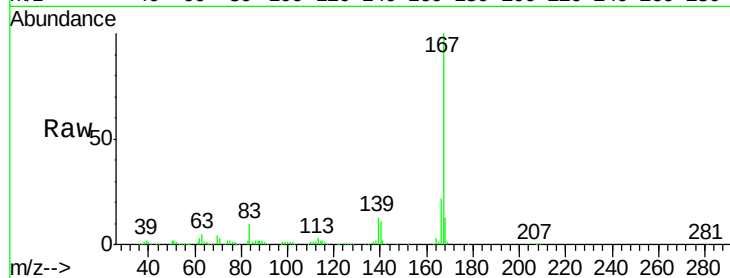
Tot Ion:167 Resp: 301274

Ion Ratio Lower Upper

167 100

166 21.5 16.9 25.3

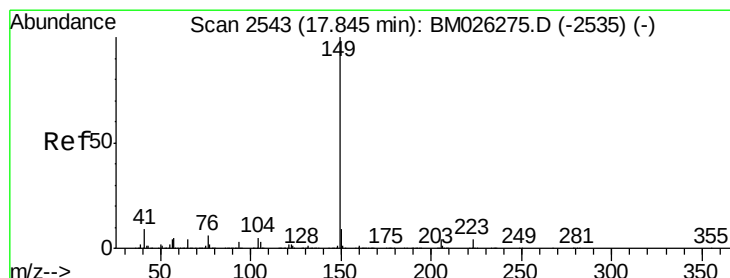
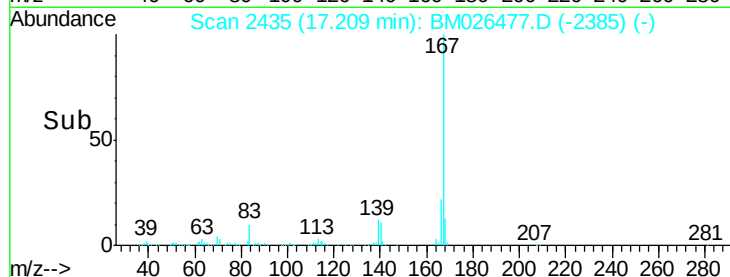
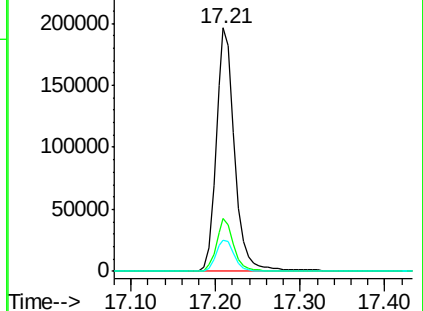
139 12.7 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 9.181 ng

RT: 17.79 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

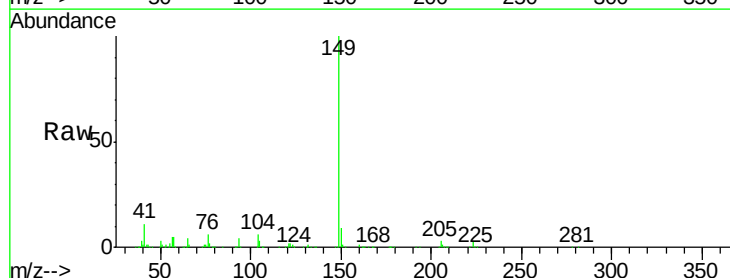
Tgt Ion:149 Resp: 370573

Ion Ratio Lower Upper

149 100

150 9.3 7.1 10.7

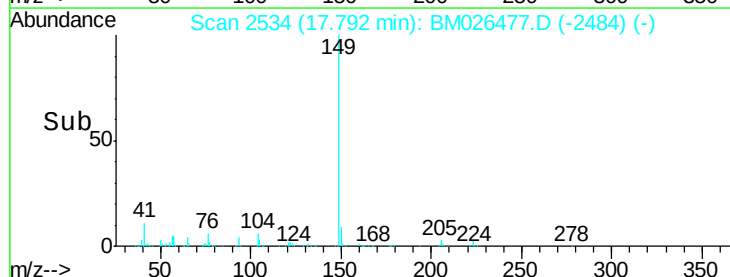
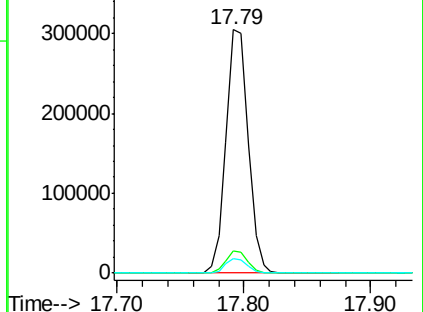
104 5.7 4.2 6.2

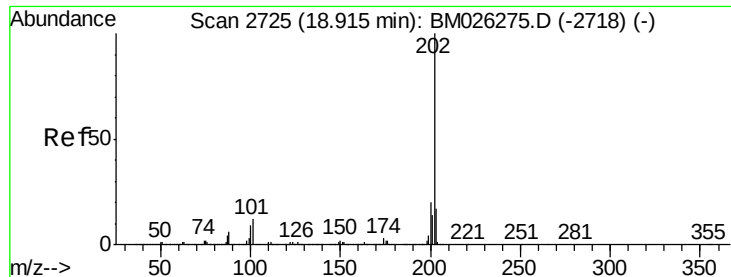


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 9.759 ng

RT: 18.87 min Scan# 2717

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

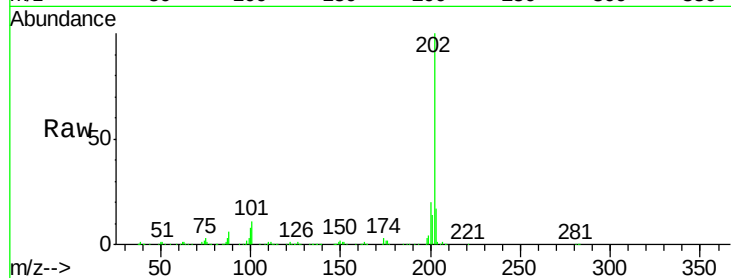
Tot Ion:202 Resp: 404584

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.9

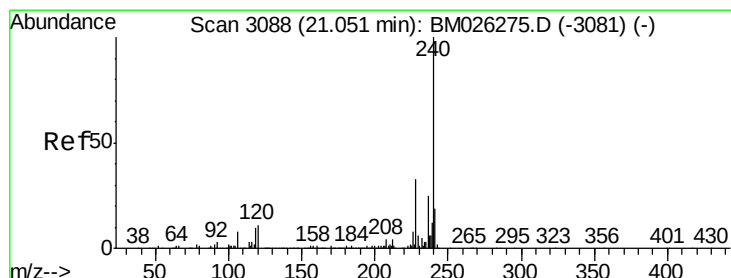
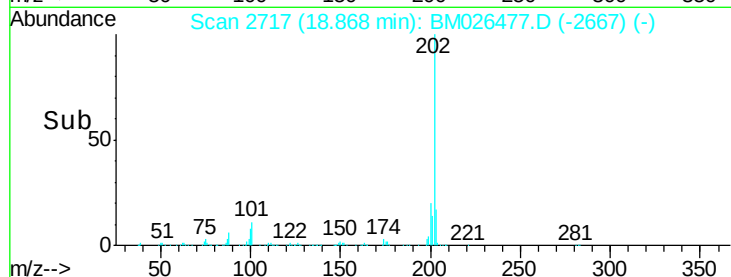
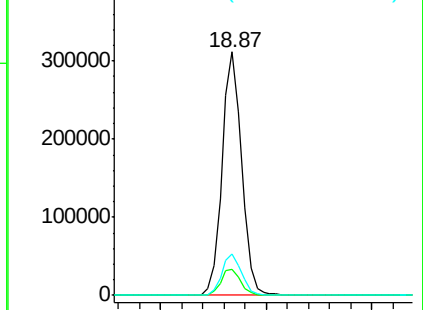
203 17.2 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.01 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

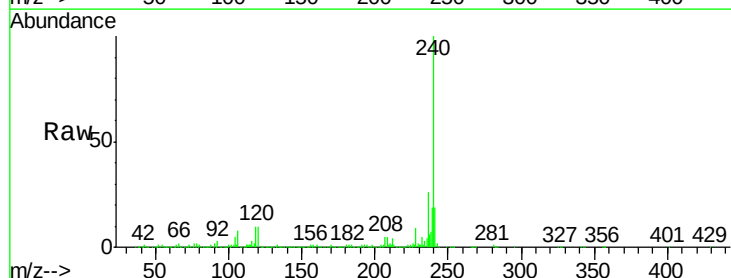
Tgt Ion:240 Resp: 697271

Ion Ratio Lower Upper

240 100

120 10.4 9.3 13.9

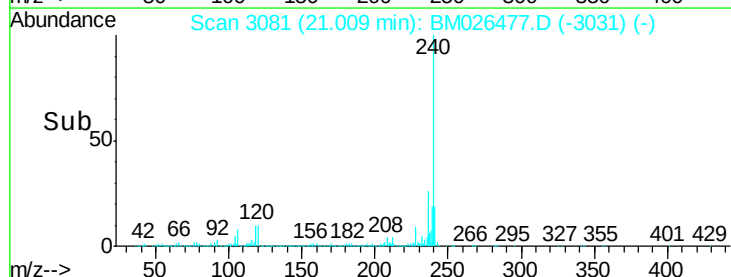
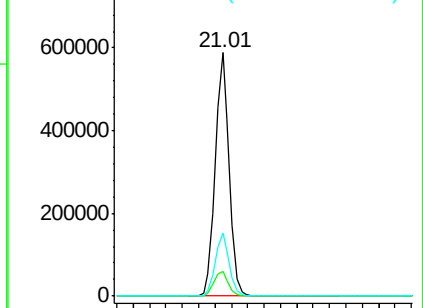
236 25.8 19.4 29.0

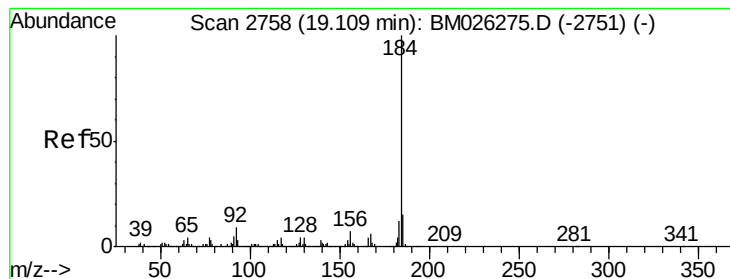


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 9.170 ng

RT: 19.07 min Scan# 2751

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

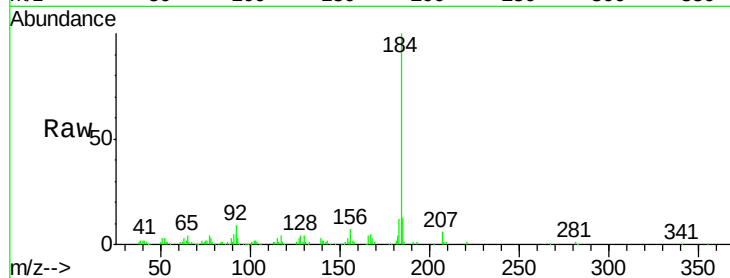
Tot Ion:184 Resp: 132814

Ion Ratio Lower Upper

184 100

185 12.9 11.2 16.8

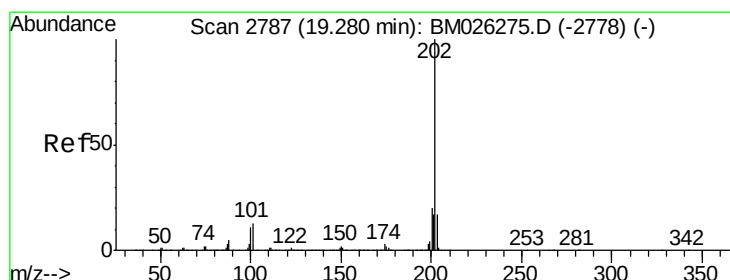
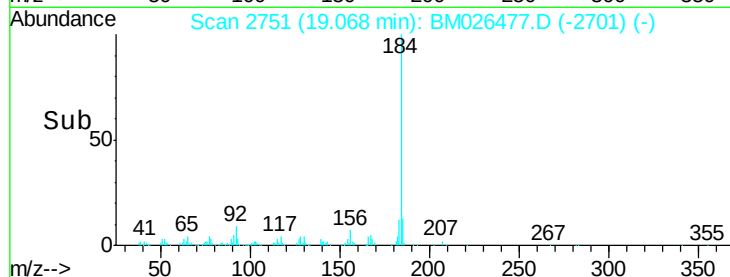
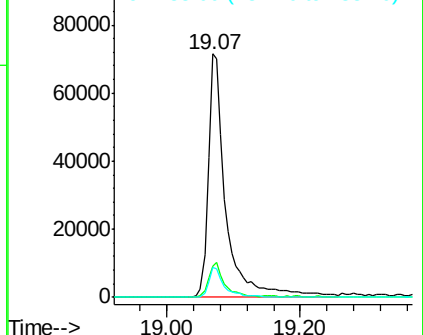
183 12.3 9.4 14.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 9.183 ng

RT: 19.23 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

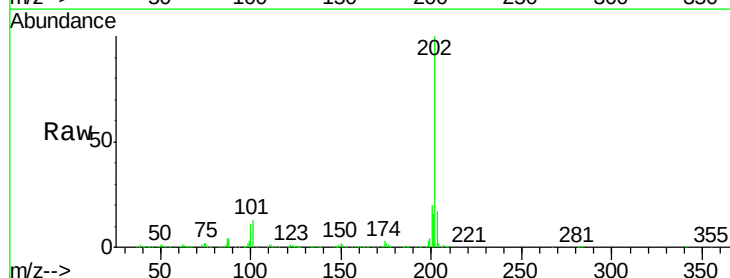
Tgt Ion:202 Resp: 423059

Ion Ratio Lower Upper

202 100

200 20.1 16.3 24.5

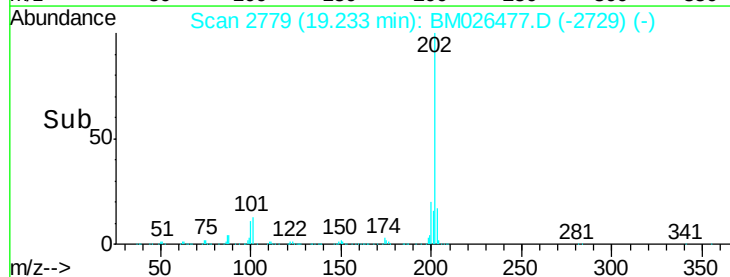
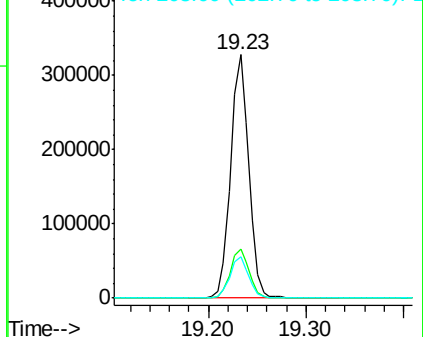
203 17.2 13.8 20.6

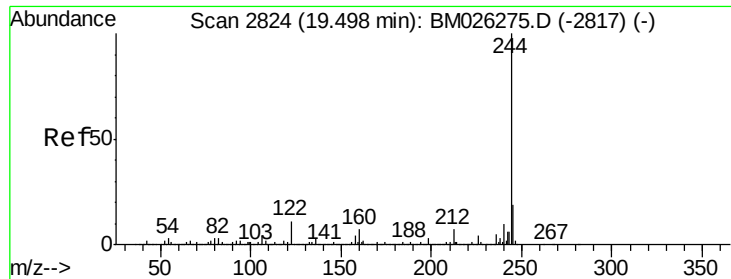


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 99.532 ng

RT: 19.46 min Scan# 2817

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

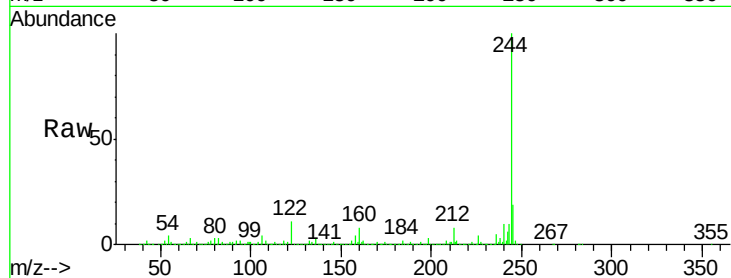
Tot Ion:244 Resp: 3575205

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

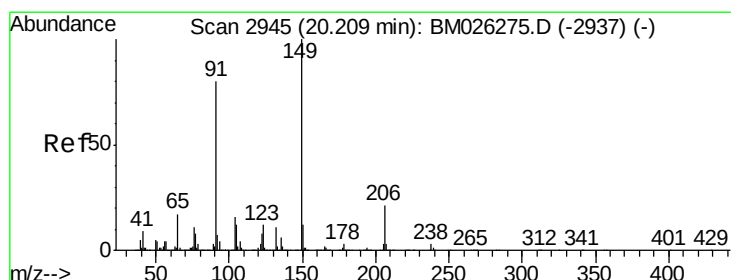
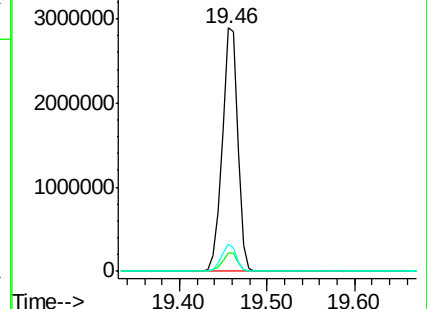
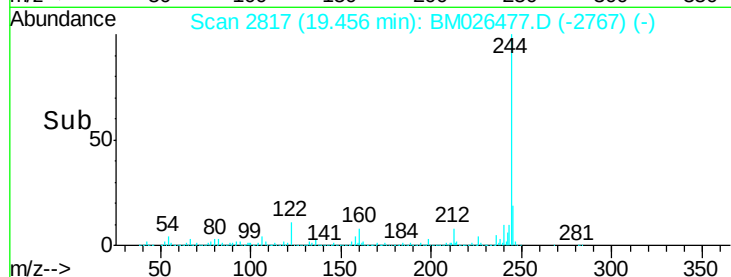
122 11.1 8.6 13.0



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: 8.947 ng

RT: 20.17 min Scan# 2938

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

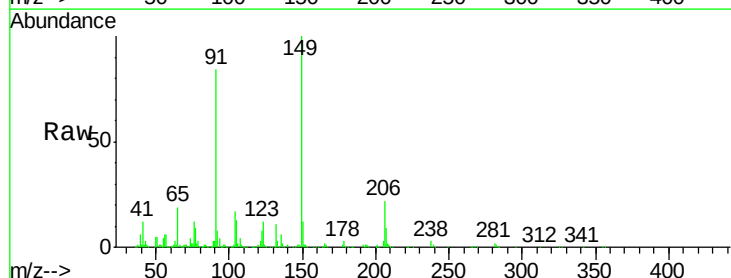
Tgt Ion:149 Resp: 166691

Ion Ratio Lower Upper

149 100

91 83.8 64.6 97.0

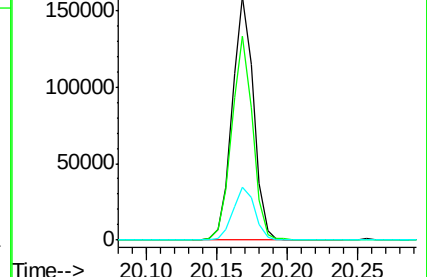
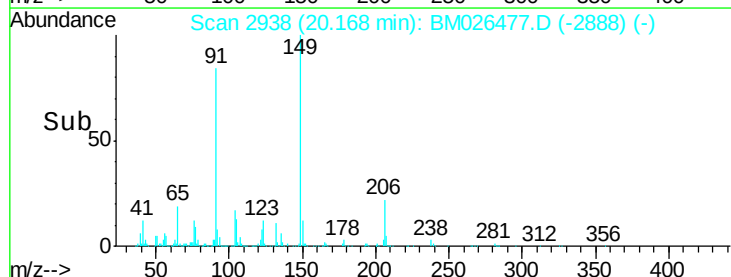
206 21.9 17.6 26.4

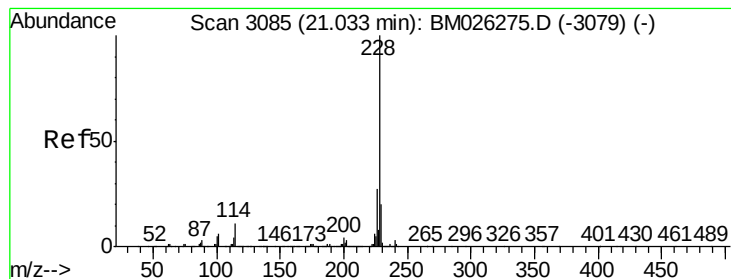


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 9.956 ng

RT: 20.99 min Scan# 3078

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

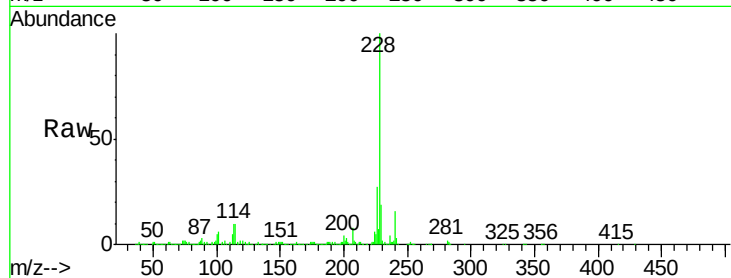
Tot Ion:228 Resp: 416711

Ion Ratio Lower Upper

228 100

226 26.9 21.1 31.7

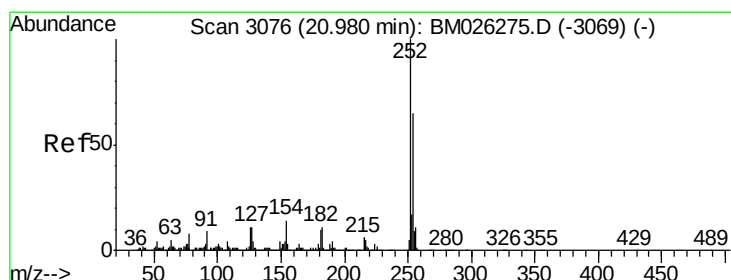
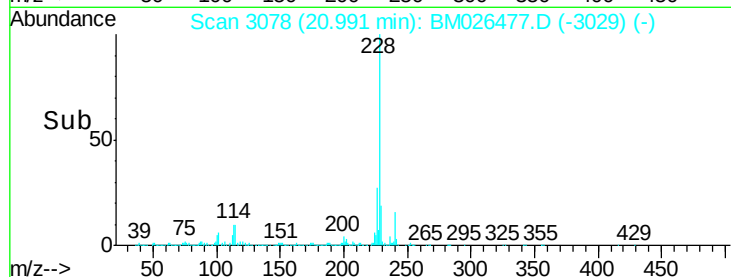
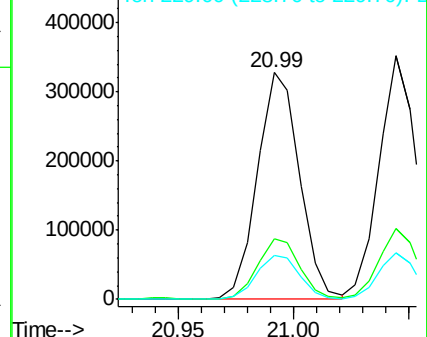
229 19.4 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 11.434 ng

RT: 20.94 min Scan# 3069

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

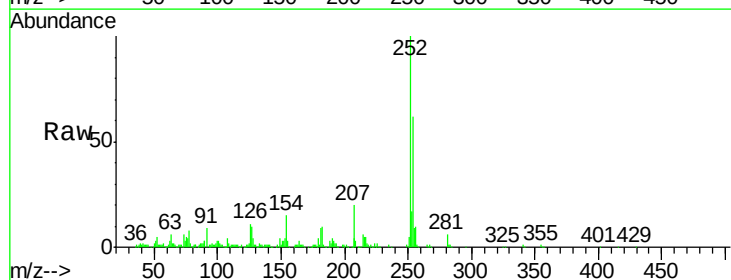
Tgt Ion:252 Resp: 148060

Ion Ratio Lower Upper

252 100

254 62.5 51.0 76.6

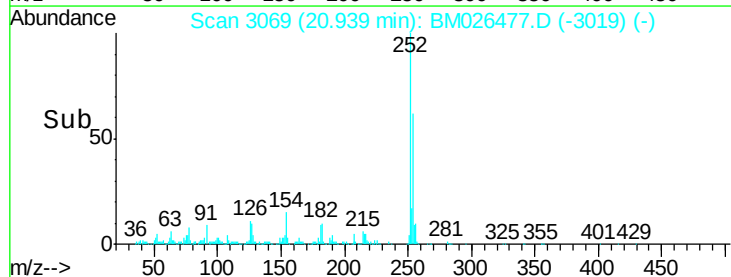
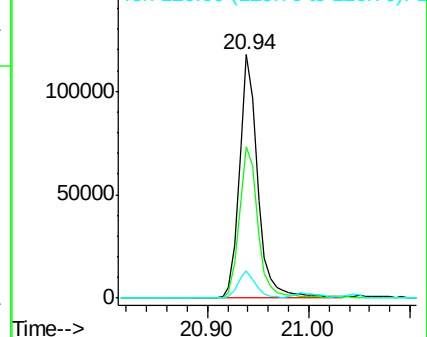
126 11.2 9.2 13.8

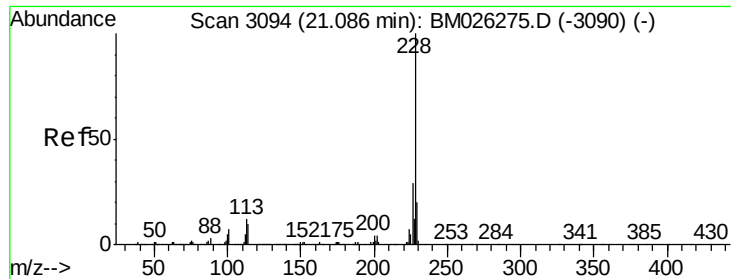


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

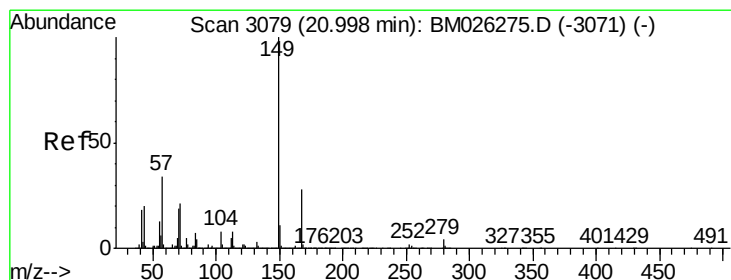
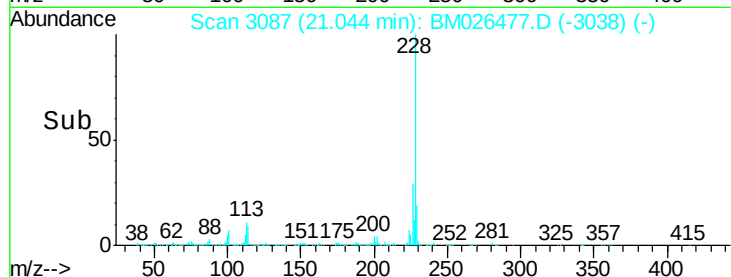
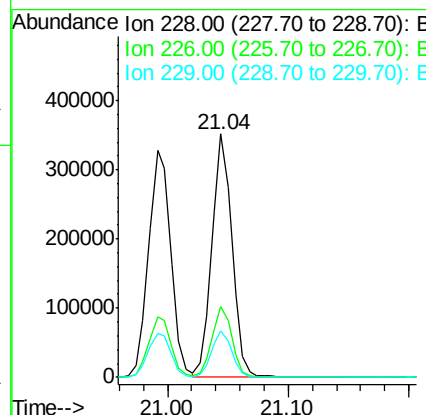
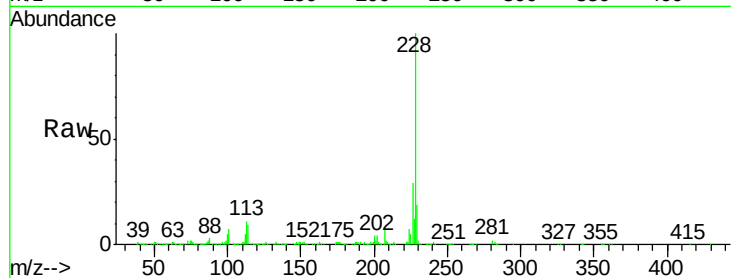




#83
Chrysene
Concen: 10.077 ng
RT: 21.04 min Scan# 3087
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

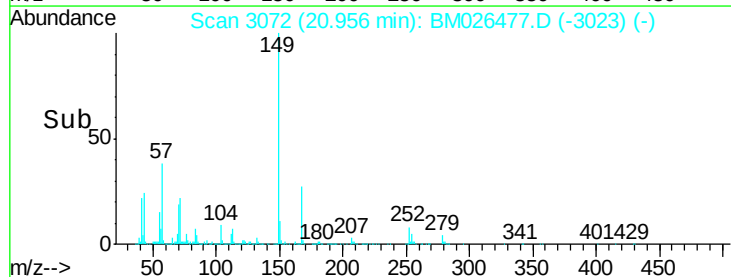
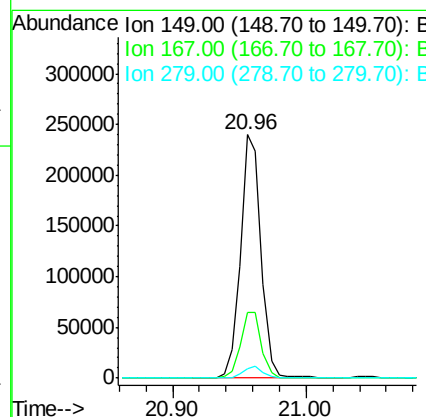
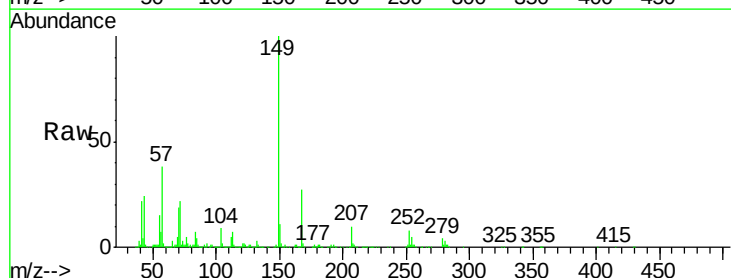
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2020

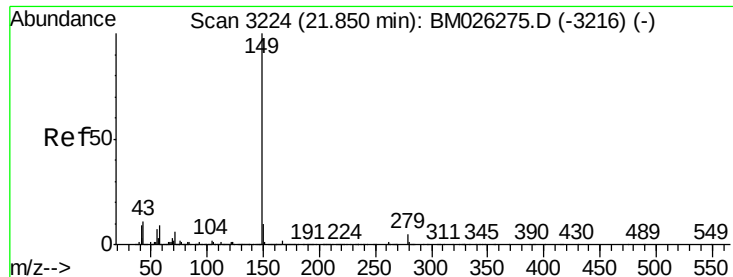
Tot Ion:228	Resp: 401932
Ion Ratio	Lower Upper
228 100	
226 28.8	23.8 35.6
229 19.3	15.5 23.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.601 ng
RT: 20.96 min Scan# 3072
Delta R.T. -0.01 min
Lab File: BM026477.D
Acq: 19 Jun 2020 22:06

Tgt	Ion:149	Resp:	255048
Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.0	33.0
279	3.8	3.7	5.5





#85

Di-n-octyl phthalate

Concen: 10.070 ng

RT: 21.80 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

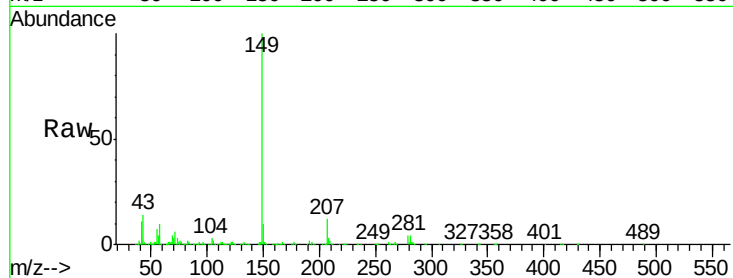
Tot Ion:149 Resp: 412664

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

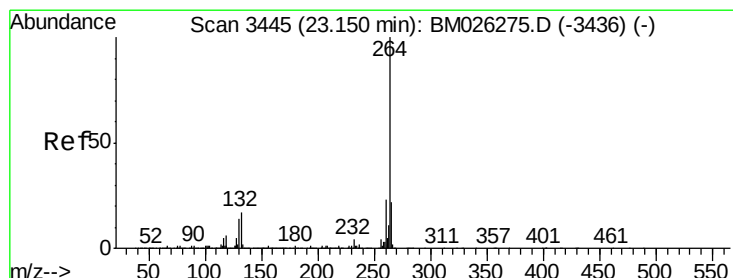
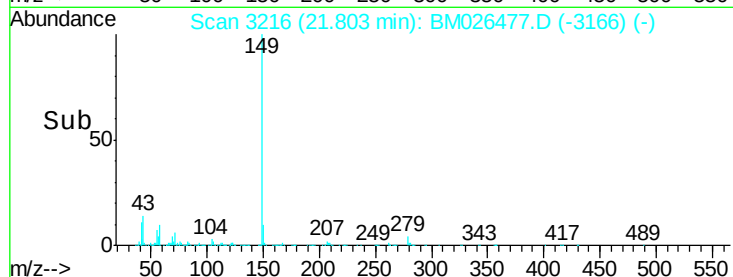
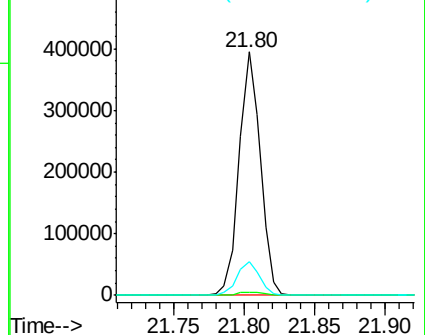
43 14.3 10.3 15.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.10 min Scan# 3436

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

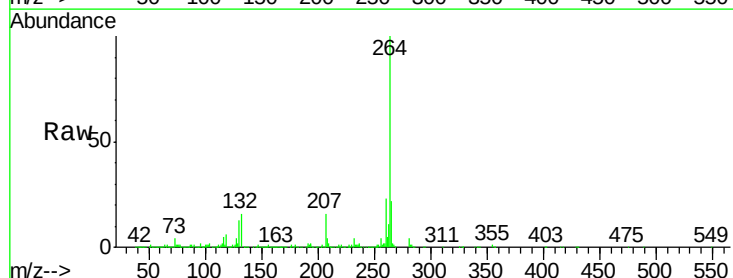
Tgt Ion:264 Resp: 657118

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

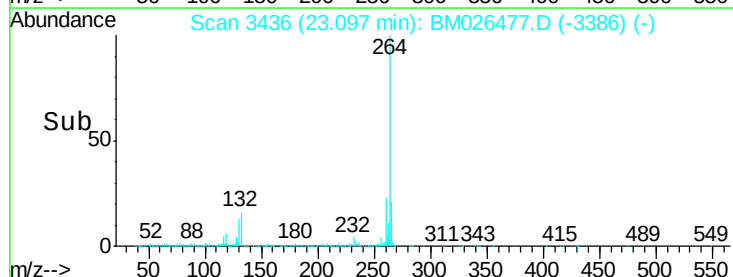
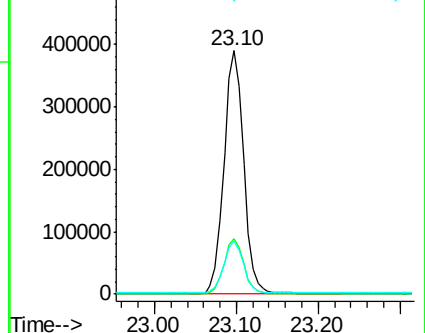
265 21.6 17.8 26.6

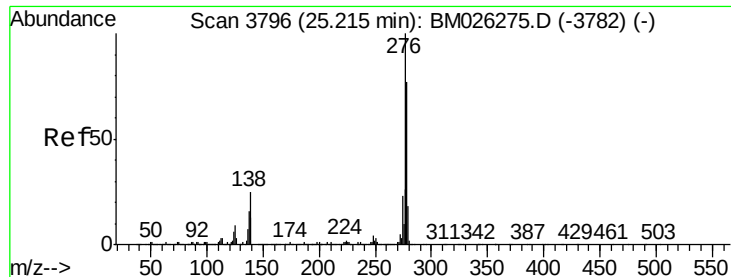


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.018 ng

RT: 25.13 min Scan# 3781

Delta R.T. -0.02 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

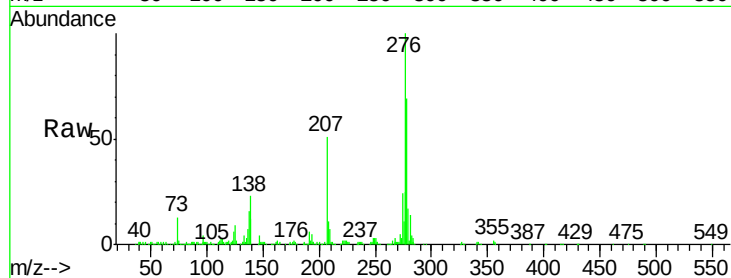
Tot Ion:276 Resp: 342801

Ion Ratio Lower Upper

276 100

138 23.6 19.0 28.6

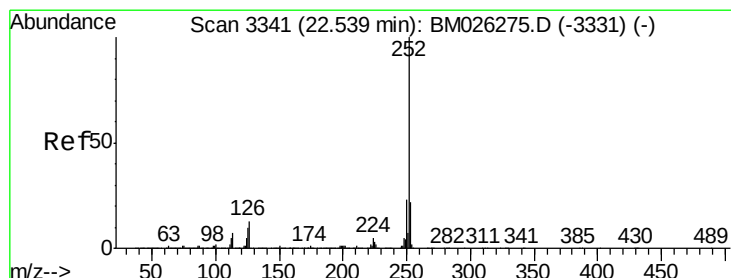
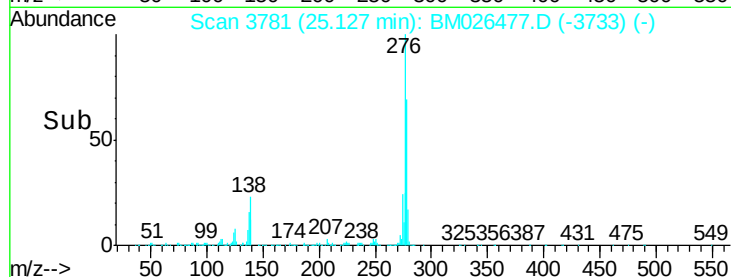
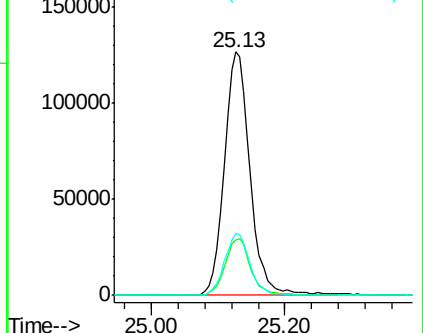
277 25.0 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 9.440 ng

RT: 22.49 min Scan# 3332

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

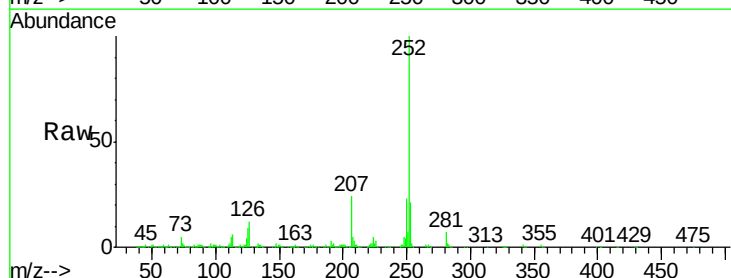
Tgt Ion:252 Resp: 373176

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

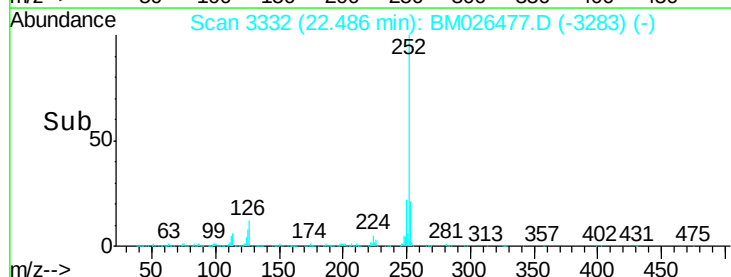
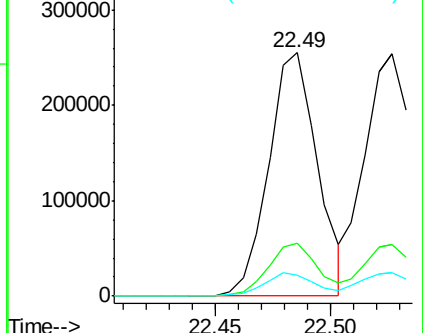
125 8.5 8.0 12.0

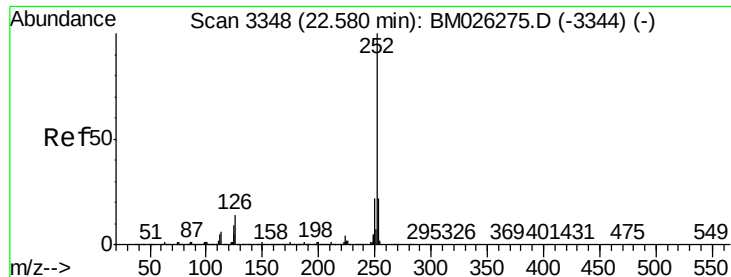


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 9.878 ng

RT: 22.53 min Scan# 3339

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

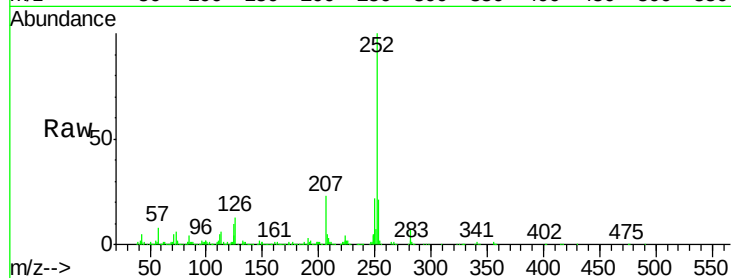
Tot Ion:252 Resp: 379347

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

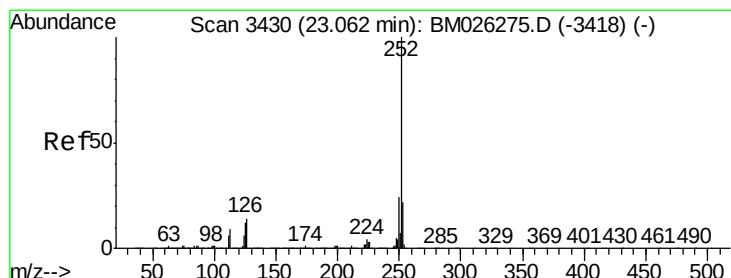
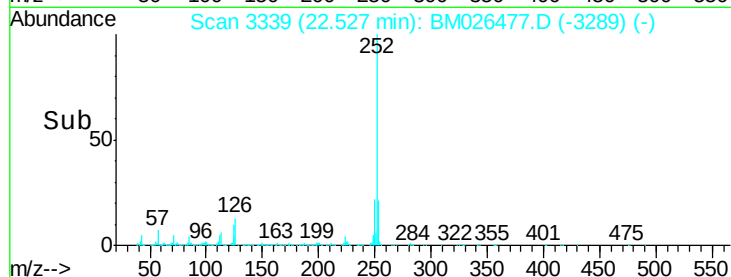
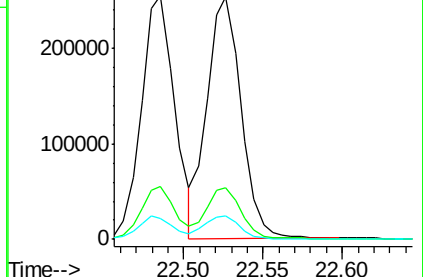
125 9.7 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 9.262 ng

RT: 23.01 min Scan# 3421

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

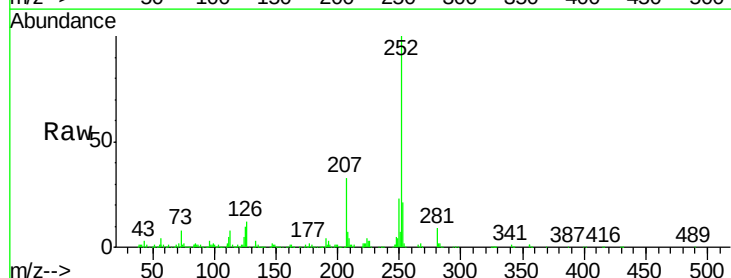
Tgt Ion:252 Resp: 325187

Ion Ratio Lower Upper

252 100

253 20.9 17.3 25.9

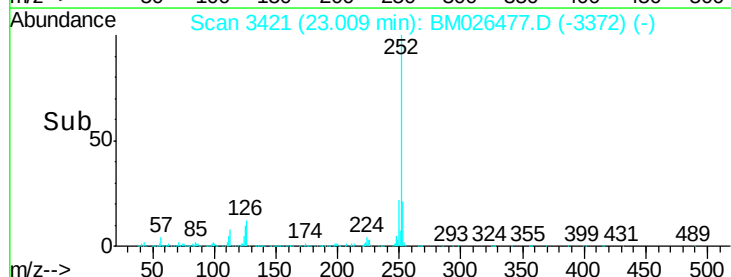
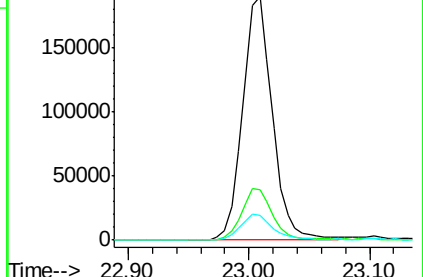
125 9.9 8.6 12.8

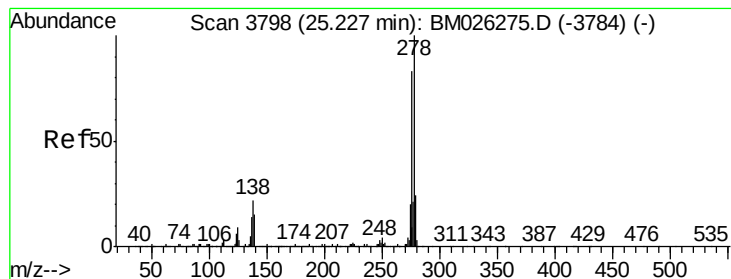


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 9.182 ng

RT: 25.14 min Scan# 3783

Delta R.T. -0.02 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2020

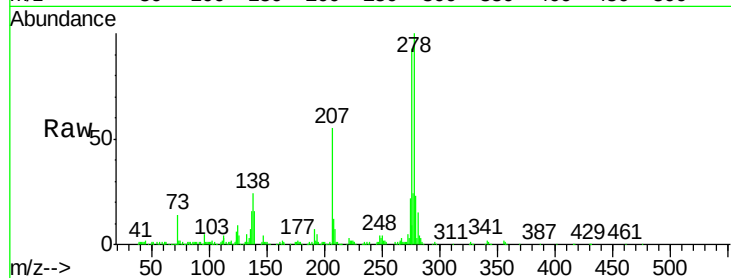
Tot Ion:278 Resp: 291375

Ion Ratio Lower Upper

278 100

139 16.4 12.3 18.5

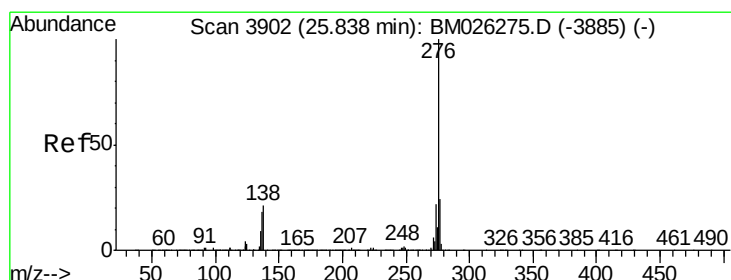
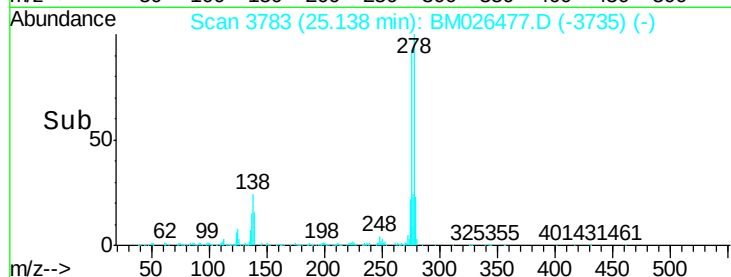
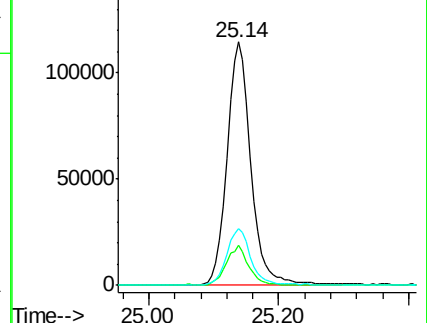
279 23.4 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.260 ng

RT: 25.74 min Scan# 3886

Delta R.T. -0.01 min

Lab File: BM026477.D

Acq: 19 Jun 2020 22:06

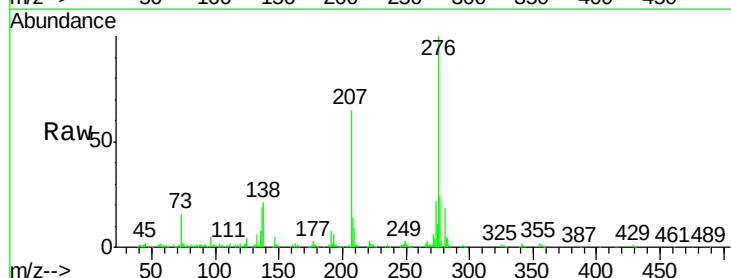
Tgt Ion:276 Resp: 279624

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 20.7 16.2 24.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

