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 Data File : BF111020.D
 Acq On : 27 Nov 2018 20:05
 Operator : JU/SJ
 Sample : J6064-01 20X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-SOIL

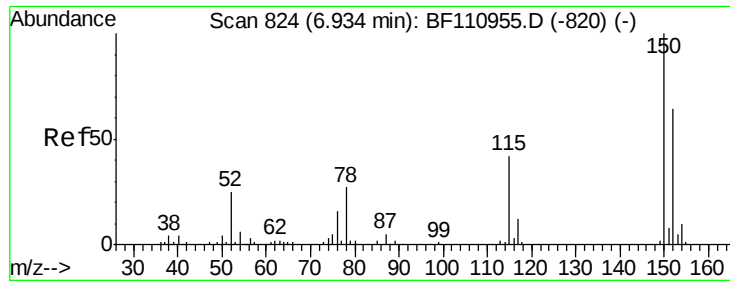
Quant Time: Nov 28 00:59:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	42254	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	154440	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	65366	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	120700	20.00	ng	0.00
76) Chrysene-d12	14.14	240	95518	20.00	ng	0.00
87) Perylene-d12	15.67	264	64410	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	11308	4.44	ng	0.03
7) Phenol-d6	6.60	99	16171	4.87	ng	0.03
23) Nitrobenzene-d5	7.52	82	9300	3.45	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	3267	5.03	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	19531	4.33	ng	0.00
79) Terphenyl-d14	13.06	244	20327	4.14	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.49	42	6479	5.297	ng	# 1
9) Benzaldehyde	6.49	77	78614	46.137	ng	# 1
17) 2-Methylphenol	7.20	107	5060	2.108	ng	# 1
18) Hexachloroethane	7.47	117	116667	92.971	ng	# 1
19) n-Nitroso-di-n-propylamine	7.35	70	6590	3.047	ng	# 71
22) Acetophenone	7.35	105	32055	8.855	ng	# 88
24) Nitrobenzene	7.50	77	10669	3.802	ng	# 19
28) bis(2-Chloroethoxy)methane	7.98	93	8131	2.742	ng	# 48
31) Naphthalene	8.25	128	627339	86.656	ng	# 99
32) Benzoic acid	7.99	122	5696	3.721	ng	# 1
33) 4-Chloroaniline	8.25	127	86966	28.223	ng	# 34
37) 2-Methylnaphthalene	8.94	142	237719	49.714	ng	100
38) 1-Methylnaphthalene	8.94	142	237719	51.110	ng	97
56) 4-Nitrophenol	10.13	139	372	4.747	ng	# 1

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

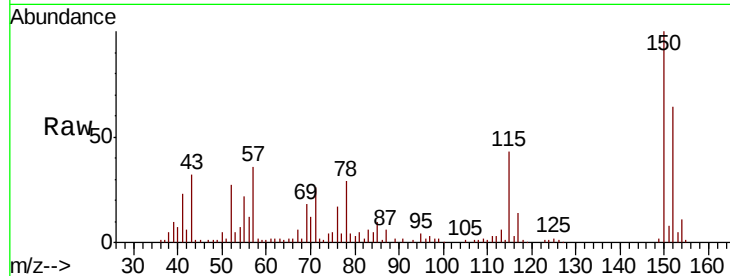


#1

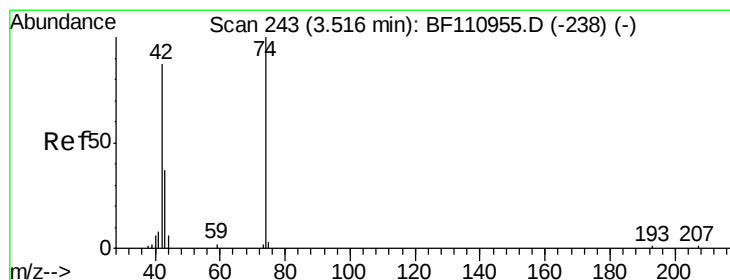
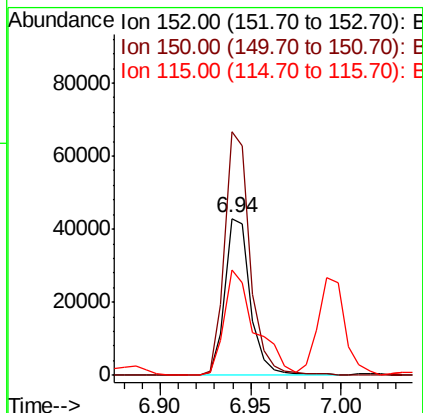
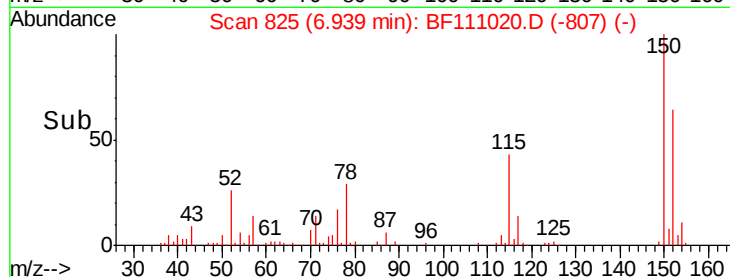
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Instrument :
BNA_F
ClientSampled :
OILY-SOIL

Tgt Ion:152 Resp: 42254
Ion Ratio Lower Upper
152 100
150 155.3 122.7 184.1
115 67.3 49.1 73.7



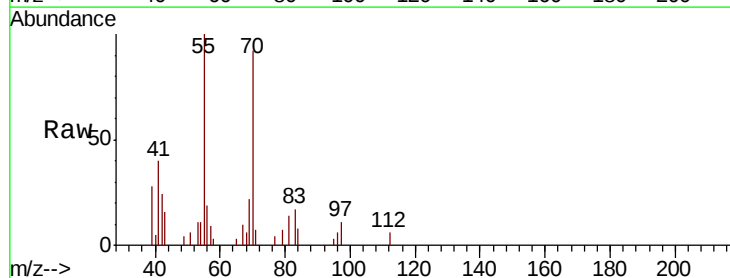
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



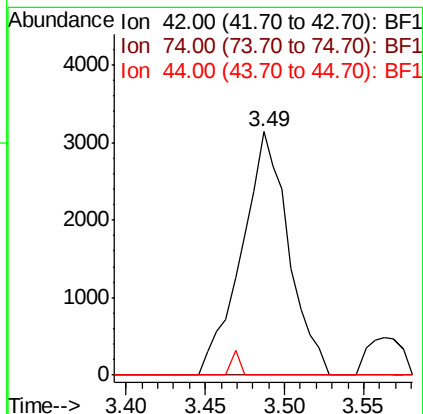
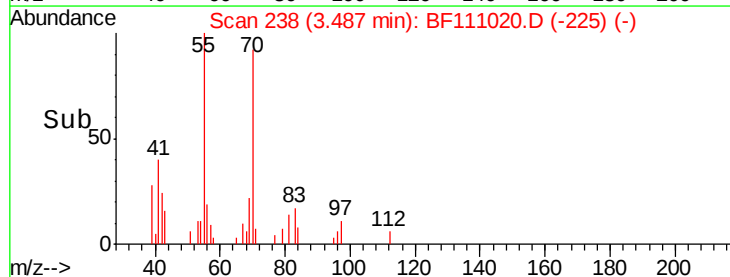
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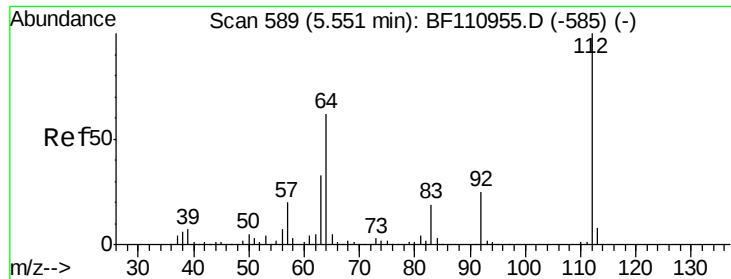
n-Nitrosodimethylamine
Concen: 5.297 ng
RT: 3.49 min Scan# 238
Delta R.T. -0.02 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Tgt Ion: 42 Resp: 6479
Ion Ratio Lower Upper
42 100
74 0.0 105.5 158.3#
44 0.0 4.9 7.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 4.438 ng

RT: 5.58 min Scan# 594

Delta R.T. 0.03 min

Lab File: BF111020.D

Acq: 27 Nov 2018 20:05

Instrument :

BNA_F

ClientSampleId :

OILY-SOIL

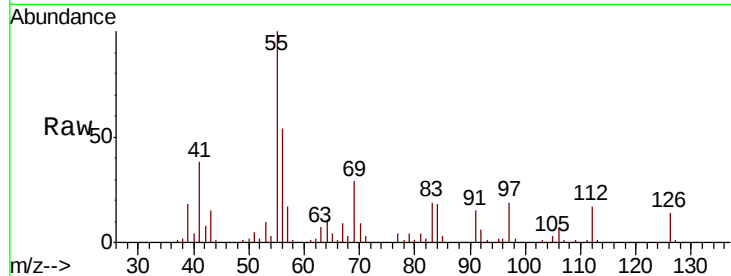
Tgt Ion: 112 Resp: 11308

Ion Ratio Lower Upper

112 100

64 63.0 44.1 66.1

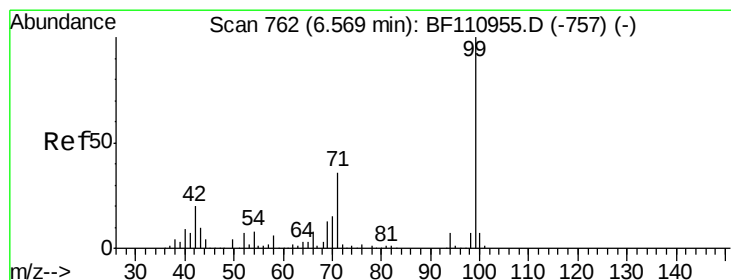
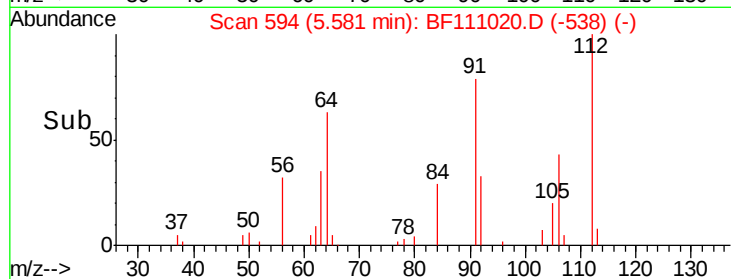
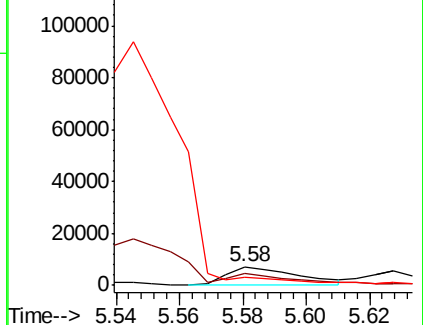
63 42.2 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 4.870 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.03 min

Lab File: BF111020.D

Acq: 27 Nov 2018 20:05

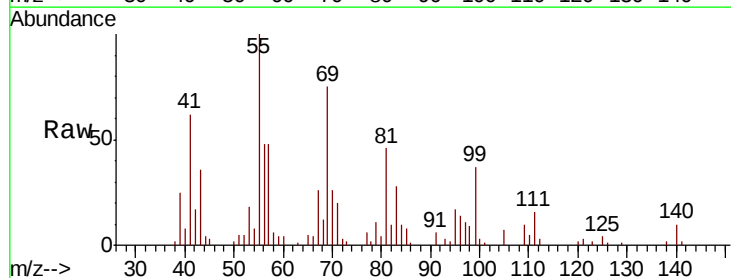
Tgt Ion: 99 Resp: 16171

Ion Ratio Lower Upper

99 100

42 44.7 15.8 23.6#

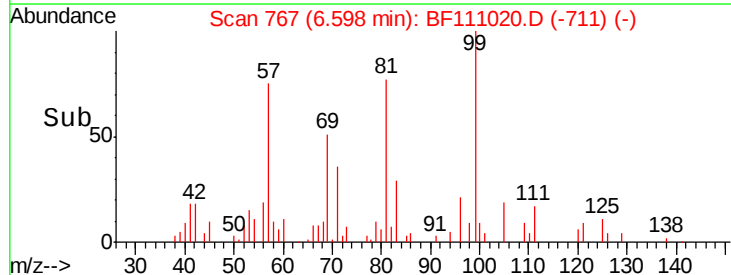
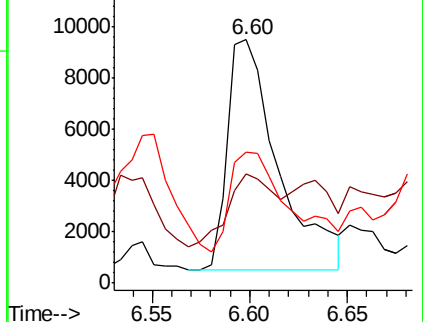
71 53.8 28.0 42.0#

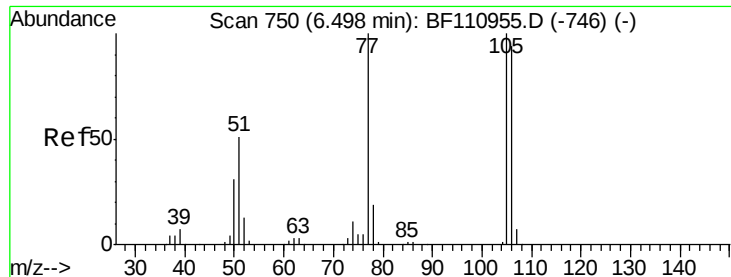


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 46.137 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF111020.D

Acq: 27 Nov 2018 20:05

Instrument :

BNA_F

ClientSampleId :

OILY-SOIL

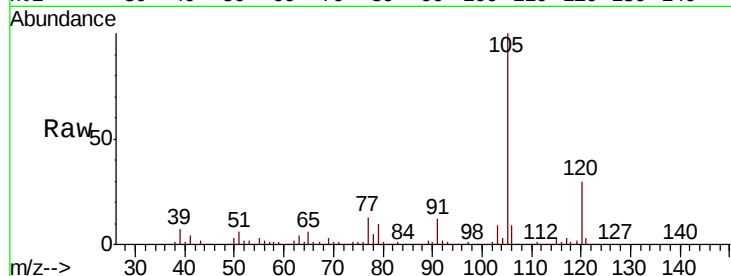
Tgt Ion: 77 Resp: 78614

Ion Ratio Lower Upper

77 100

105 796.2 78.6 118.6#

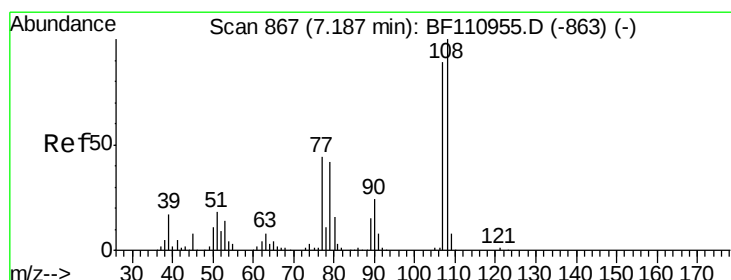
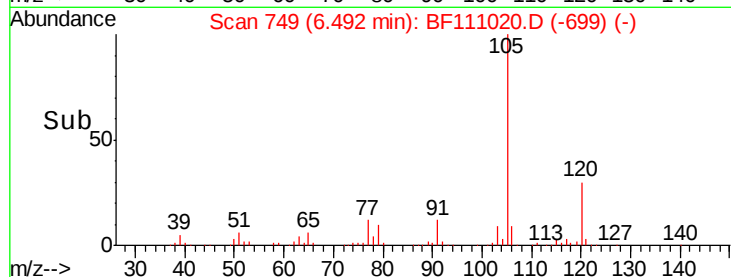
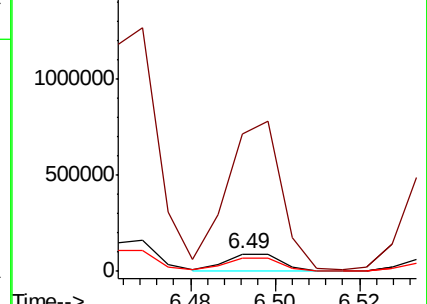
106 73.2 74.8 114.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#17

2-Methylphenol

Concen: 2.108 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.02 min

Lab File: BF111020.D

Acq: 27 Nov 2018 20:05

Tgt Ion: 107 Resp: 5060

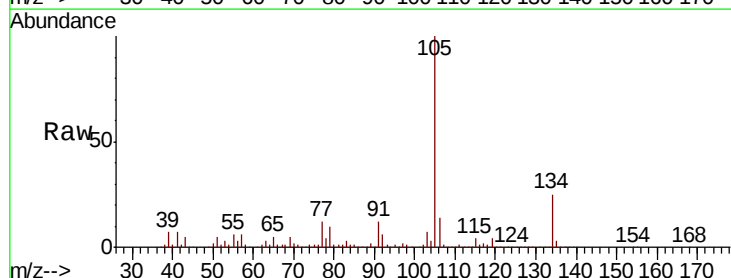
Ion Ratio Lower Upper

107 100

108 6.9 92.6 138.8#

77 1270.5 59.4 89.2#

79 1012.8 54.0 81.0#

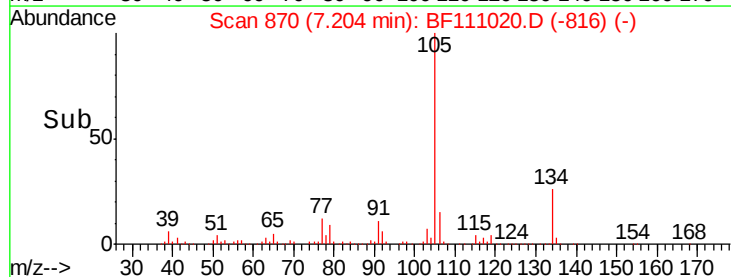
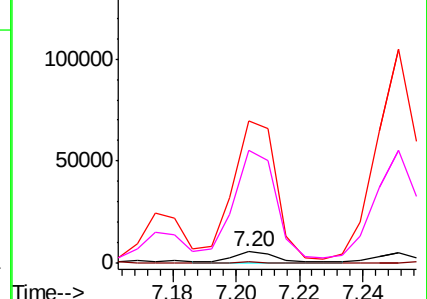


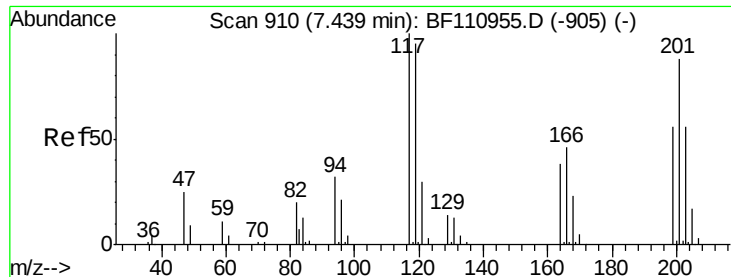
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

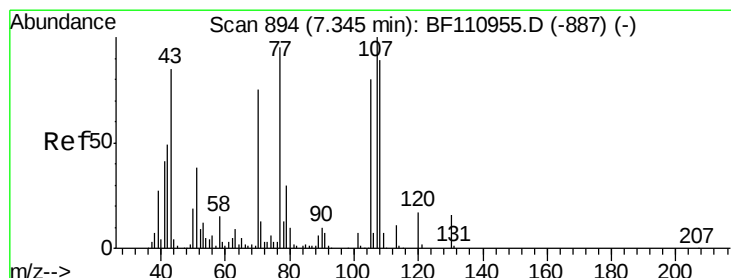
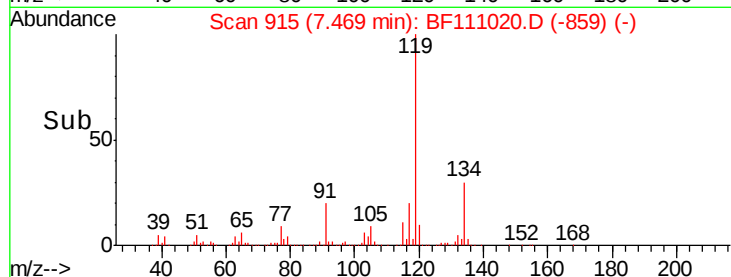
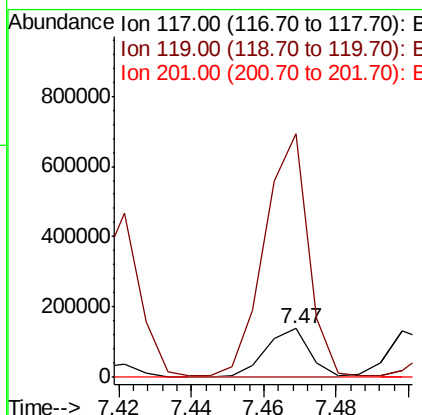
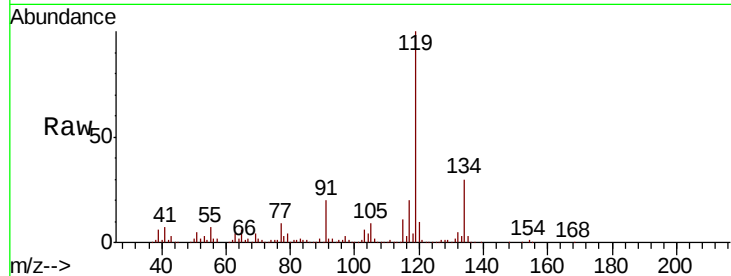




#18
Hexachloroethane
Concen: 92.971 ng
RT: 7.47 min Scan# 915
Delta R.T. 0.03 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

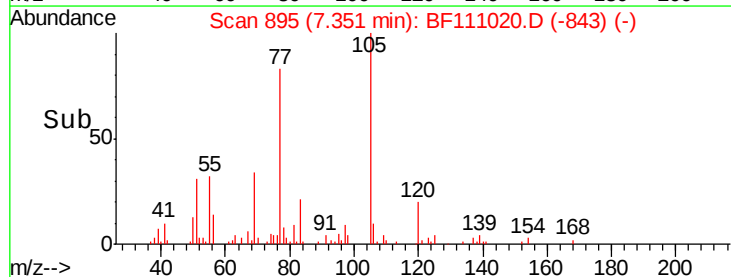
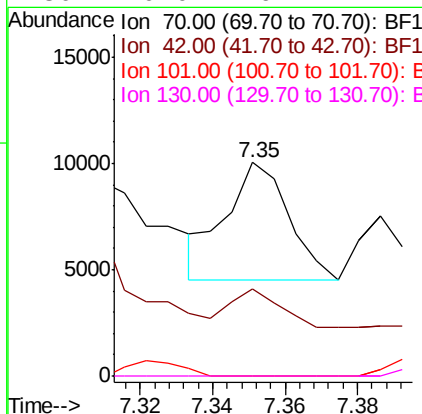
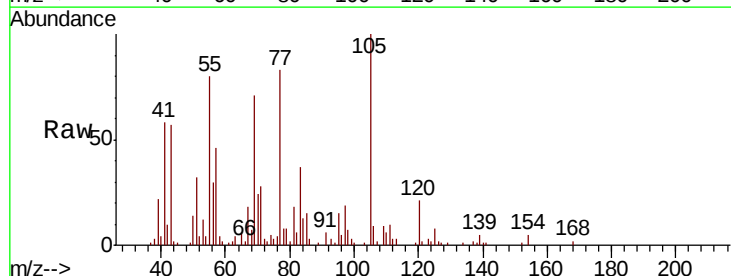
Instrument :
BNA_F
ClientSampled :
OILY-SOIL

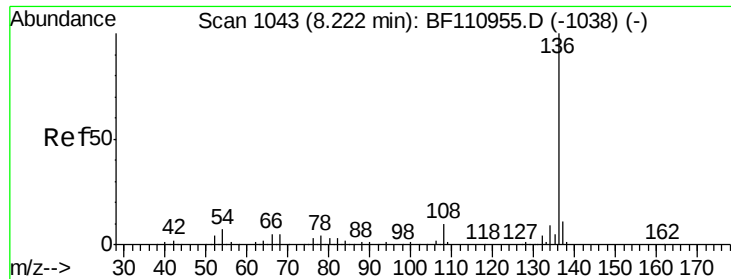
Tgt Ion: 117 Resp: 116667
Ion Ratio Lower Upper
117 100
119 501.4 75.0 112.6#
201 0.0 79.2 118.8#



#19
n-Nitroso-di-n-propylamine
Concen: 3.047 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.01 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Tgt Ion: 70 Resp: 6590
Ion Ratio Lower Upper
70 100
42 40.9 47.4 71.2#
101 0.0 7.3 10.9#
130 0.0 16.2 24.2#

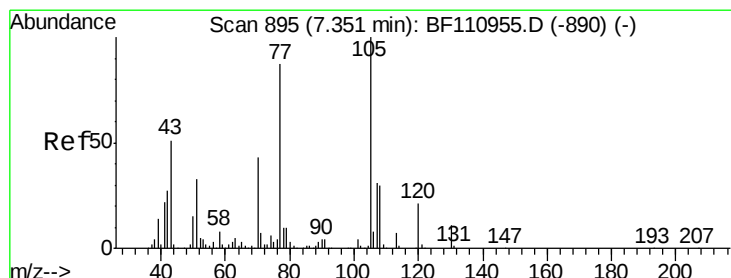
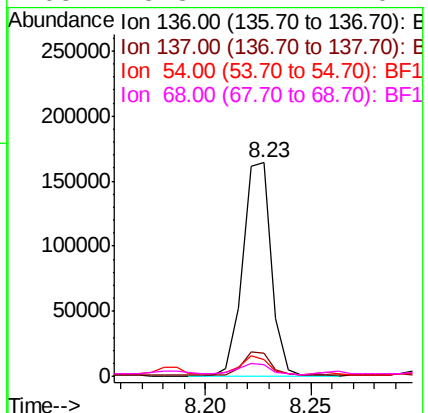
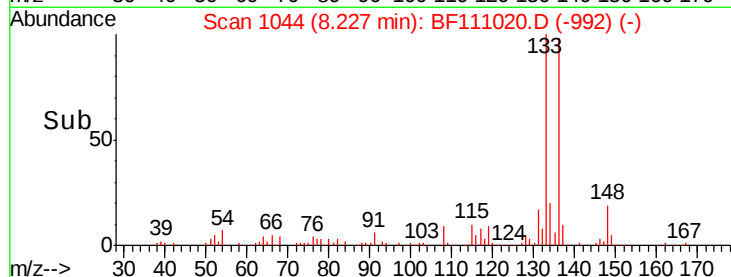
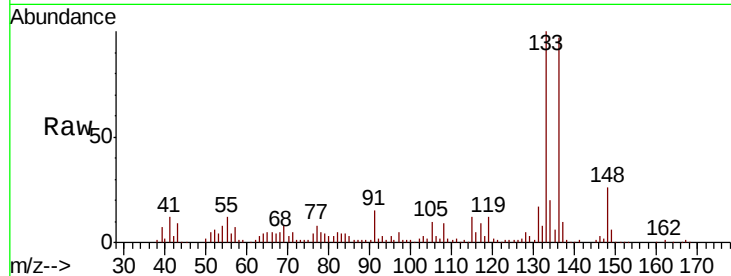




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

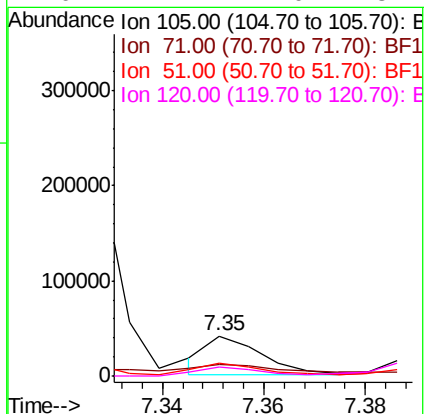
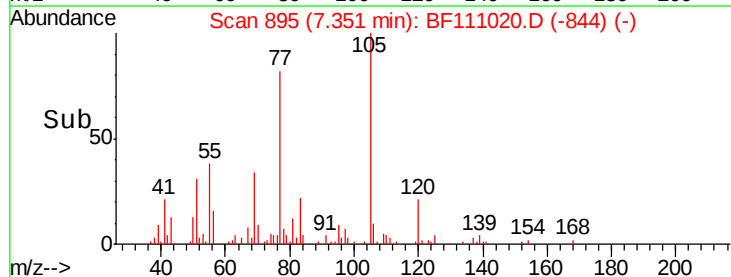
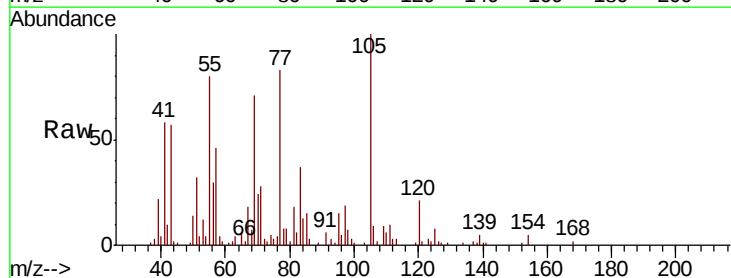
Instrument :
BNA_F
ClientSampleId :
OILY-SOIL

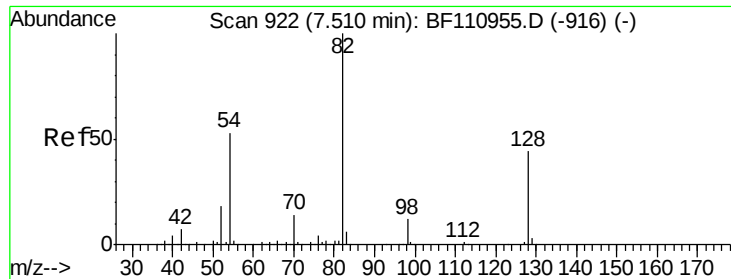
Tgt Ion:	136	Resp:	154440
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.1	5.4	8.2
68	5.3	4.2	6.2



#22
Acetophenone
Concen: 8.855 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.00 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Tgt Ion:	105	Resp:	32055
Ion	Ratio	Lower	Upper
105	100		
71	27.7	5.2	7.8#
51	32.2	21.8	32.8
120	21.4	17.0	25.4

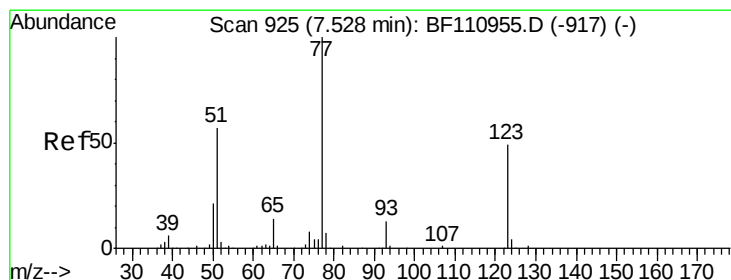
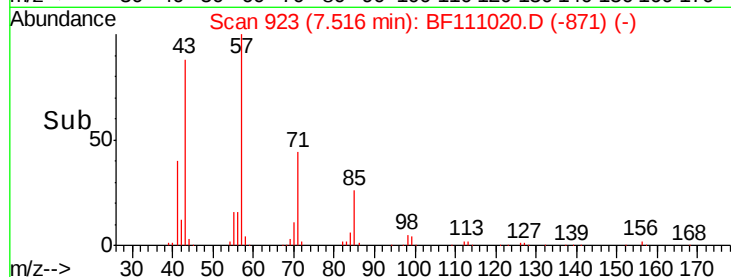
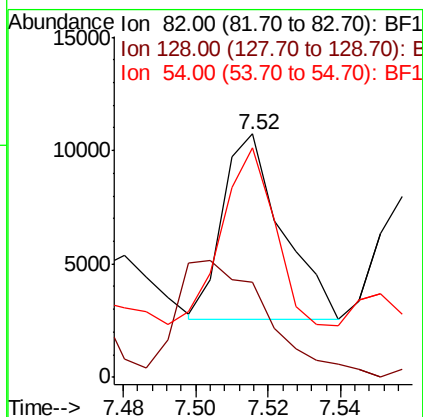
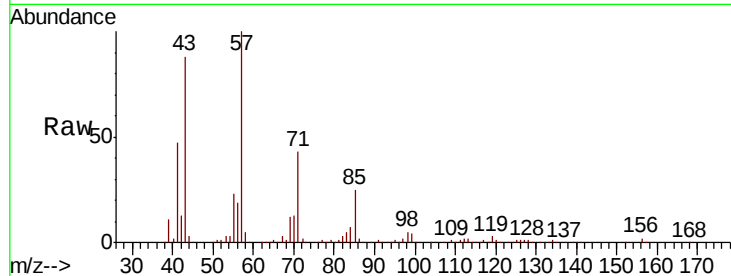




#23
Nitrobenzene-d5
Concen: 3.446 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.01 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

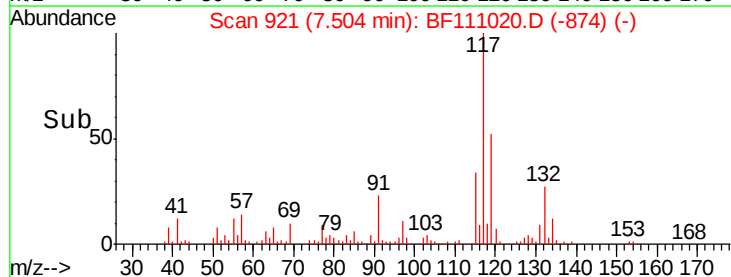
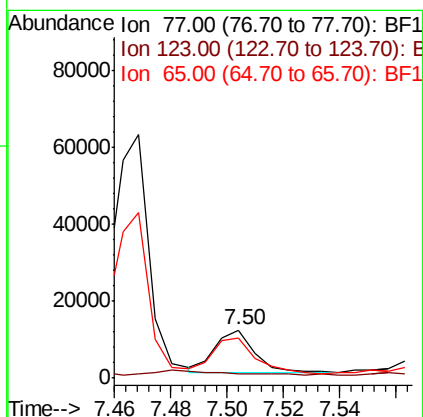
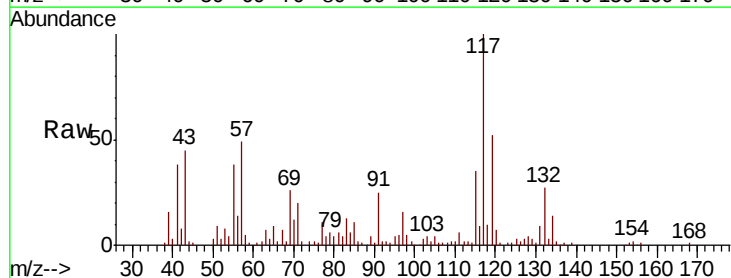
Instrument :
BNA_F
ClientSampled :
OILY-SOIL

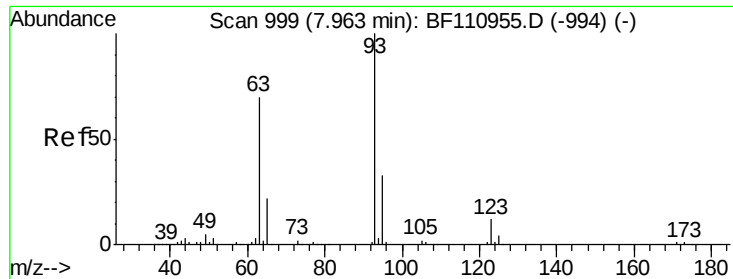
Tgt Ion: 82 Resp: 9300
Ion Ratio Lower Upper
82 100
128 39.2 34.2 51.2
54 94.5 38.6 58.0#



#24
Nitrobenzene
Concen: 3.802 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.02 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Tgt Ion: 77 Resp: 10669
Ion Ratio Lower Upper
77 100
123 9.6 35.7 53.5#
65 82.6 10.7 16.1#

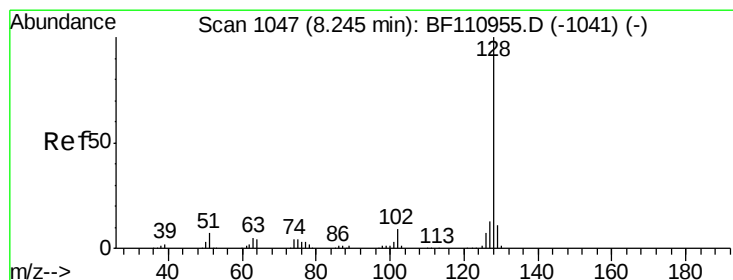
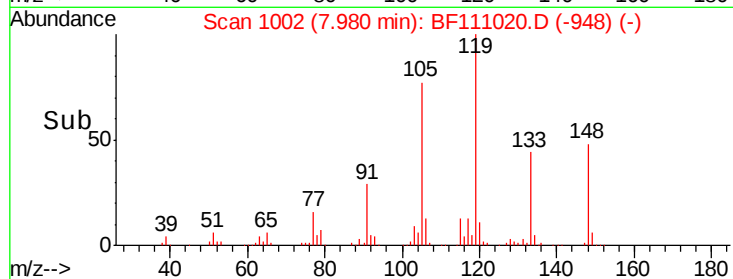
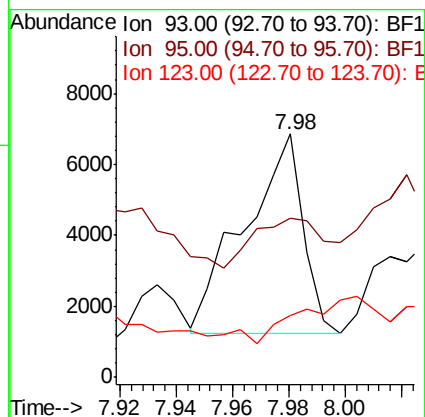
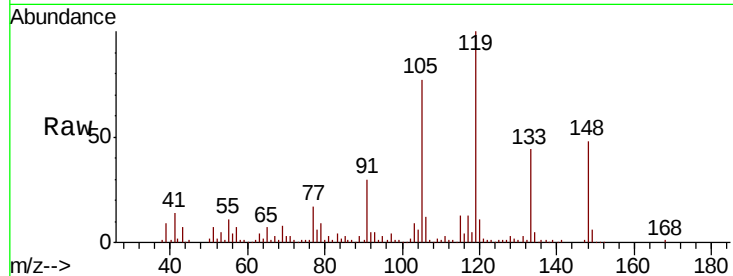




#28
bis(2-Chloroethoxy)methane
Concen: 2.742 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.02 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

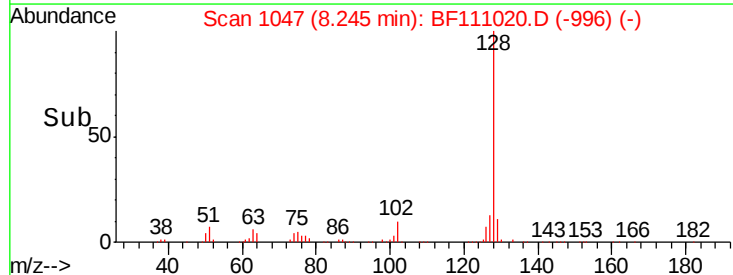
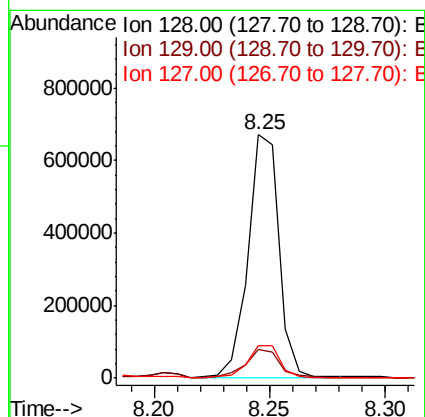
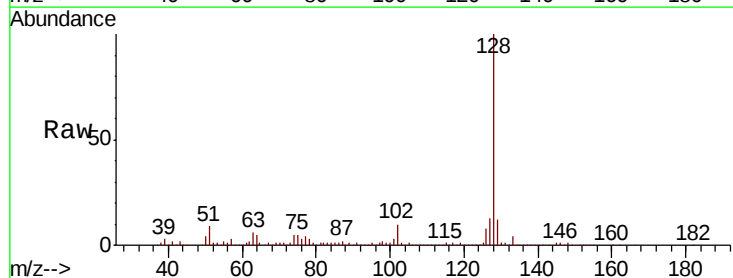
Instrument :
BNA_F
ClientSampleId :
OILY-SOIL

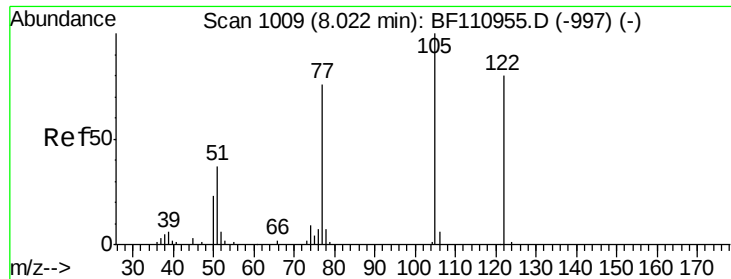
Tgt Ion: 93 Resp: 8131
Ion Ratio Lower Upper
93 100
95 65.6 26.4 39.6#
123 25.5 9.0 13.6#



#31
Naphthalene
Concen: 86.656 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Tgt Ion: 128 Resp: 627339
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 13.3 10.8 16.2

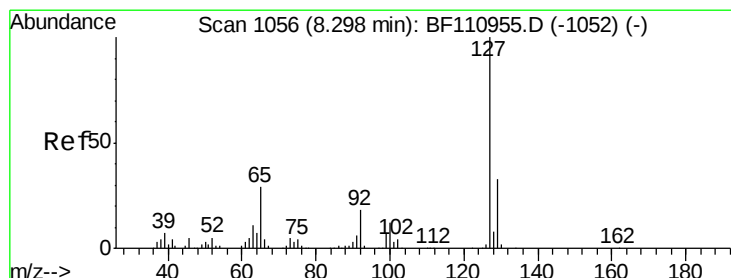
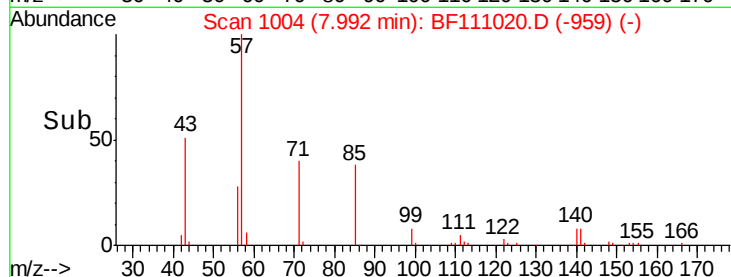
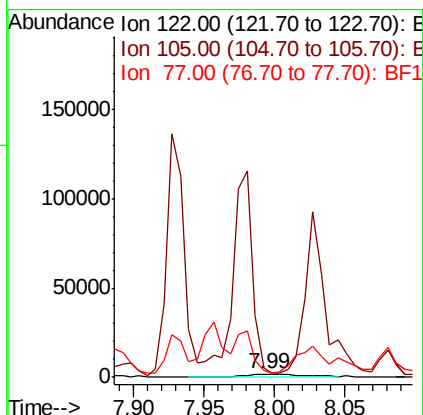
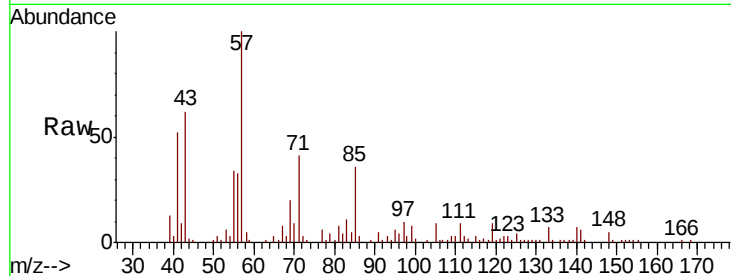




#32
Benzoic acid
Concen: 3.721 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.04 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

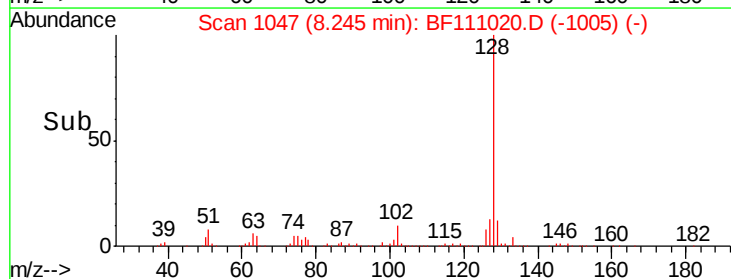
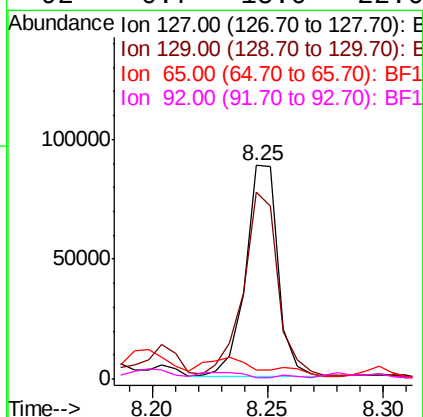
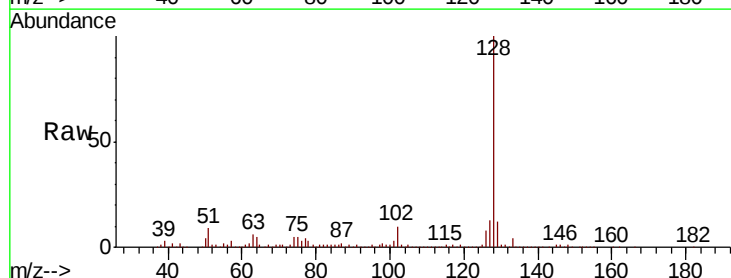
Instrument :
BNA_F
ClientSampleId :
OILY-SOIL

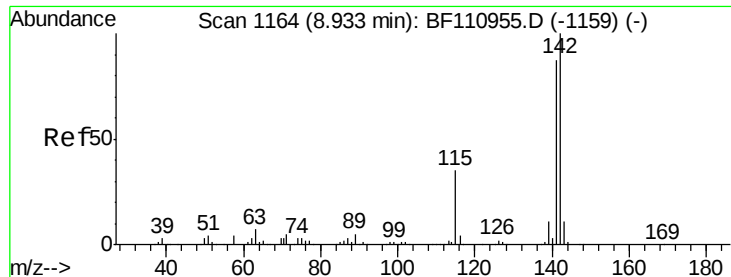
Tgt Ion:122 Resp: 5696
Ion Ratio Lower Upper
122 100
105 304.6 109.0 149.0#
77 209.7 79.0 119.0#



#33
4-Chloroaniline
Concen: 28.223 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.05 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Tgt Ion:127 Resp: 86966
Ion Ratio Lower Upper
127 100
129 87.7 26.0 39.0#
65 4.3 25.1 37.7#
92 0.7 15.0 22.6#

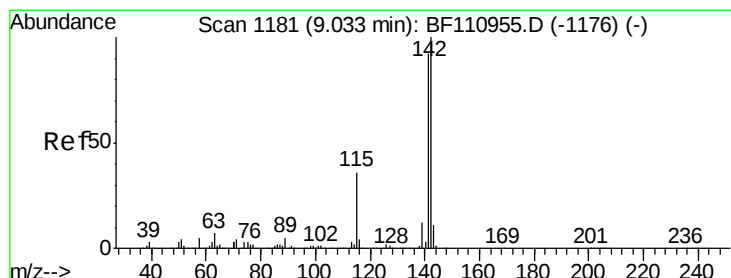
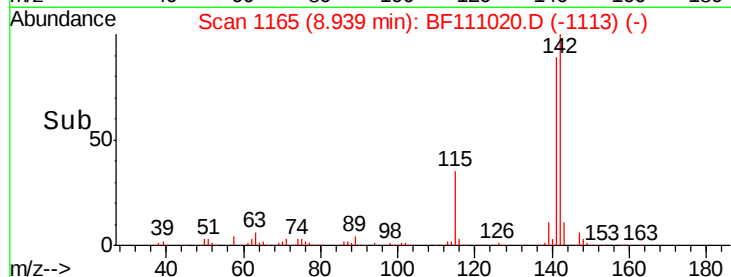
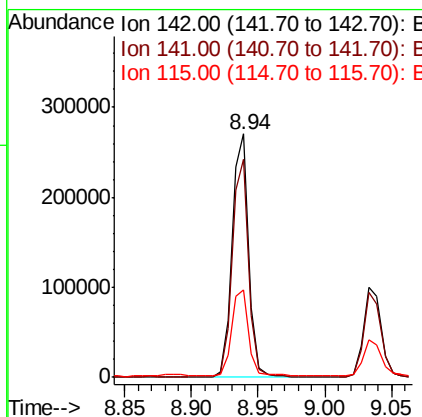
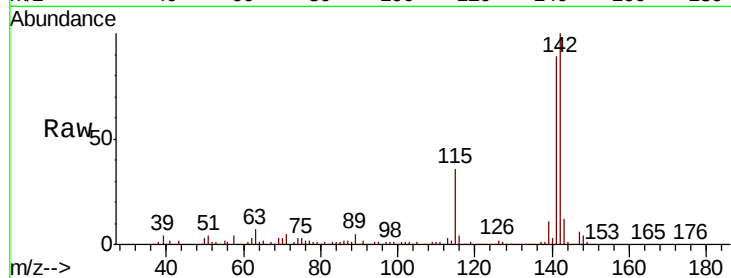




#37
 2-Methylnaphthalene
 Concen: 49.714 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: BF111020.D
 Acq: 27 Nov 2018 20:05

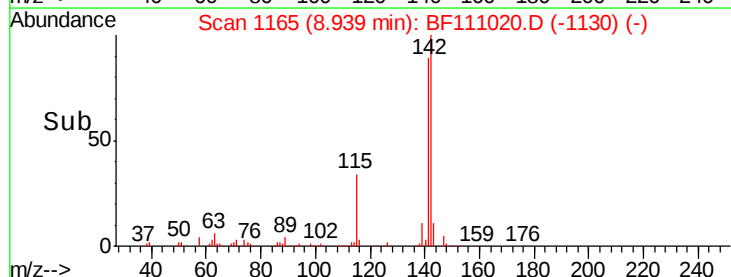
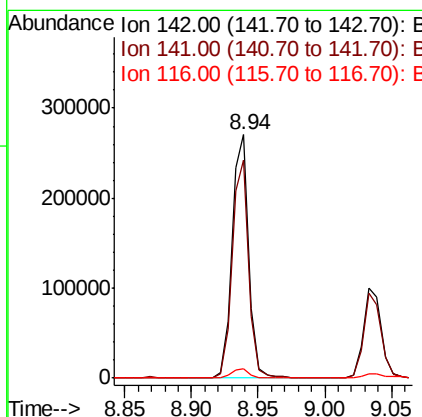
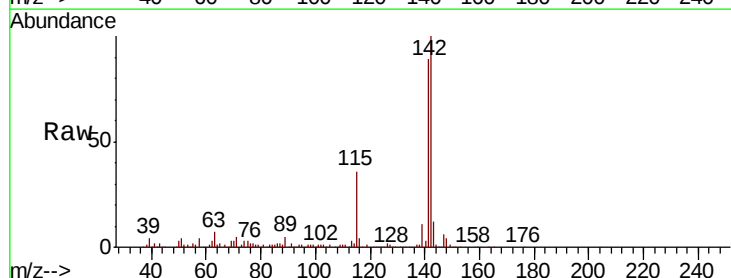
Instrument :
 BNA_F
 ClientSampleId :
 OILY-SOIL

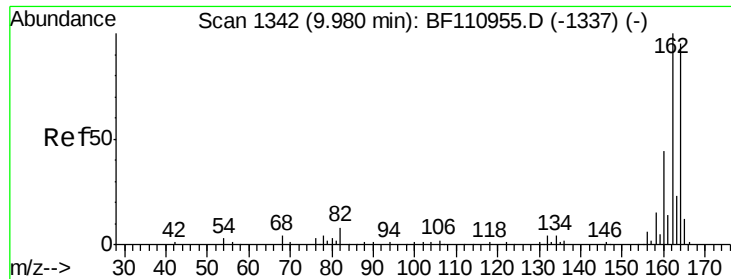
Tgt Ion:142 Resp: 237719
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.4 107.2
 115 36.0 28.7 43.1



#38
 1-Methylnaphthalene
 Concen: 51.110 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.09 min
 Lab File: BF111020.D
 Acq: 27 Nov 2018 20:05

Tgt Ion:142 Resp: 237719
 Ion Ratio Lower Upper
 142 100
 141 89.4 74.2 111.4
 116 3.7 2.6 4.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF111020.D

Acq: 27 Nov 2018 20:05

Instrument :

BNA_F

ClientSampleId :

OILY-SOIL

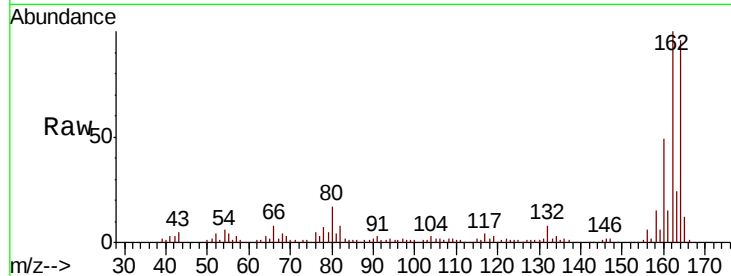
Tgt Ion:164 Resp: 65366

Ion Ratio Lower Upper

164 100

162 104.1 83.0 124.6

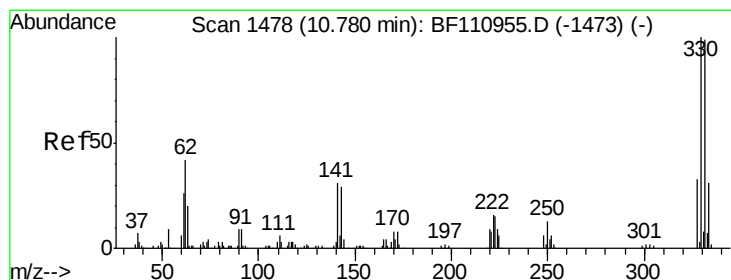
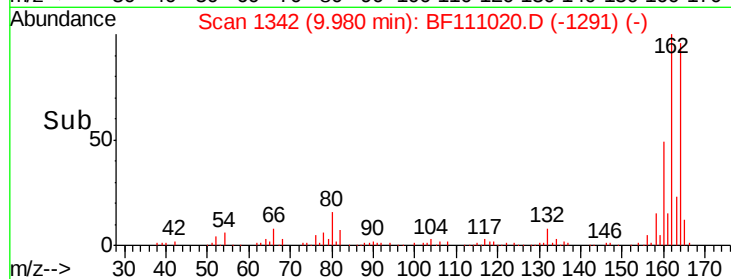
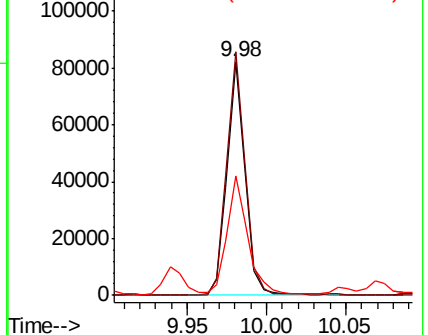
160 51.3 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 5.033 ng

RT: 10.79 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BF111020.D

Acq: 27 Nov 2018 20:05

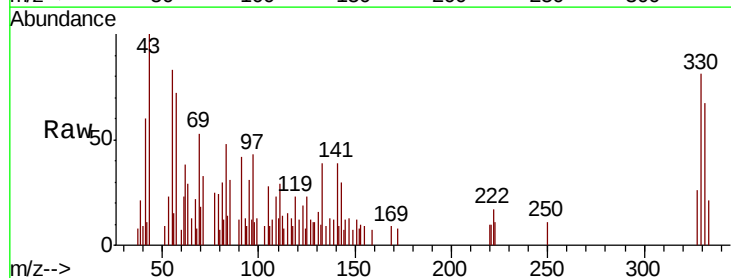
Tgt Ion:330 Resp: 3267

Ion Ratio Lower Upper

330 100

332 92.3 77.1 115.7

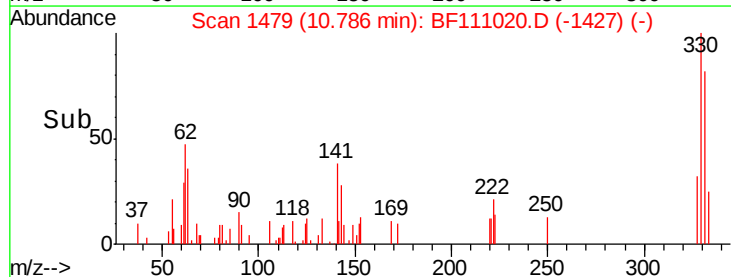
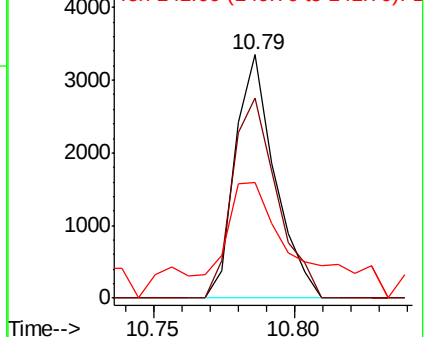
141 100.7 27.0 40.4#

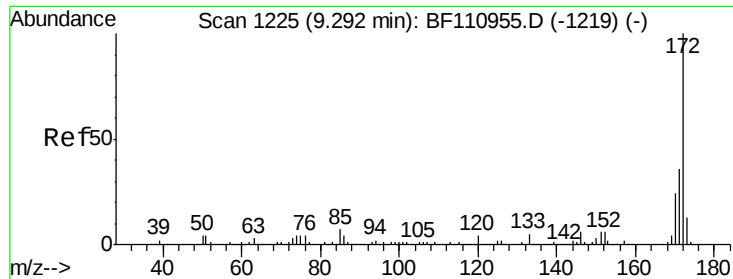


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

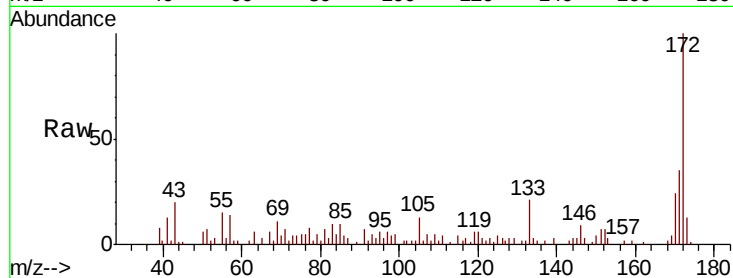




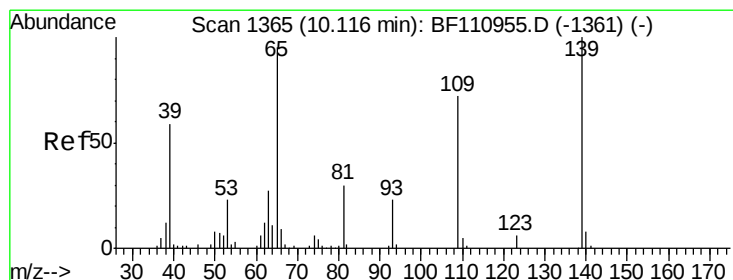
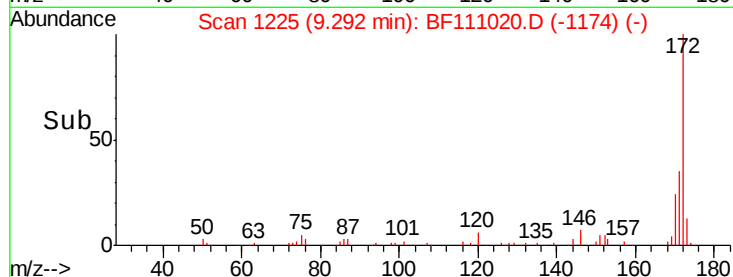
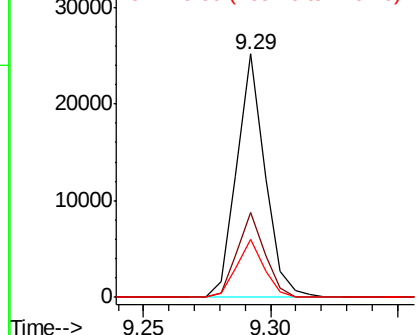
#45
2-Fluorobiphenyl
Concen: 4.329 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Instrument :
BNA_F
ClientSampleId :
OILY-SOIL

Tgt Ion:172 Resp: 19531
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 23.7 19.7 29.5

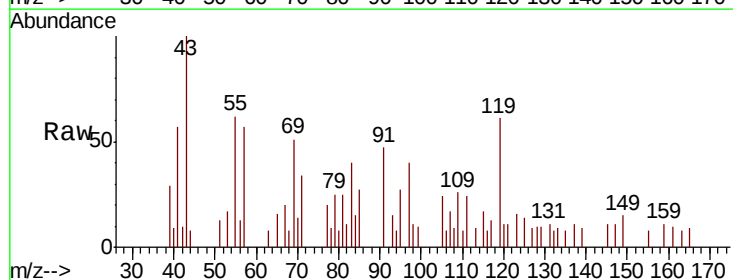


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

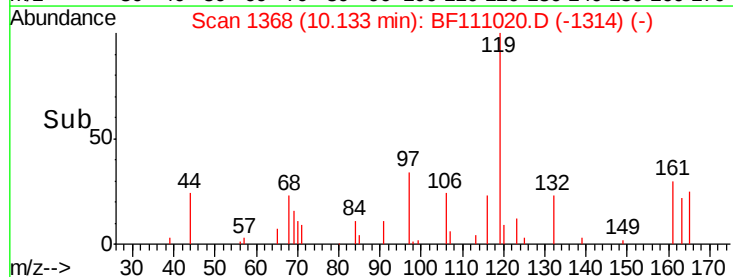
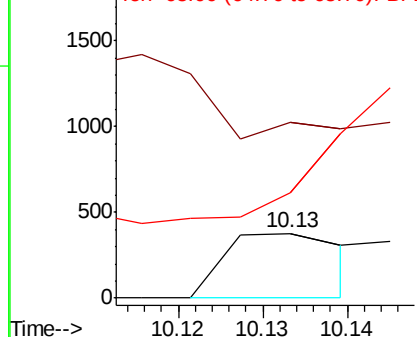


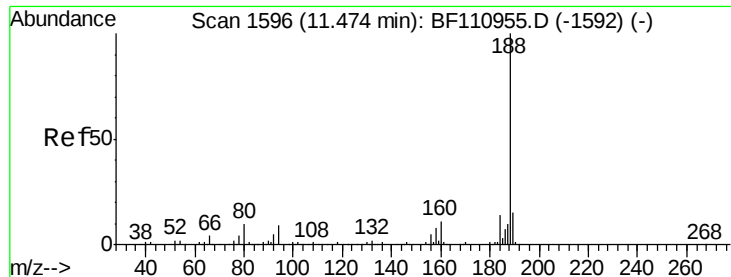
#56
4-Nitrophenol
Concen: 4.747 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.02 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Tgt Ion:139 Resp: 372
Ion Ratio Lower Upper
139 100
109 271.9 55.8 95.8#
65 163.9 77.9 117.9#



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): BF1

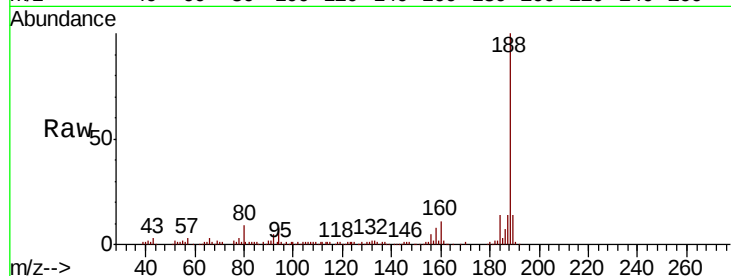




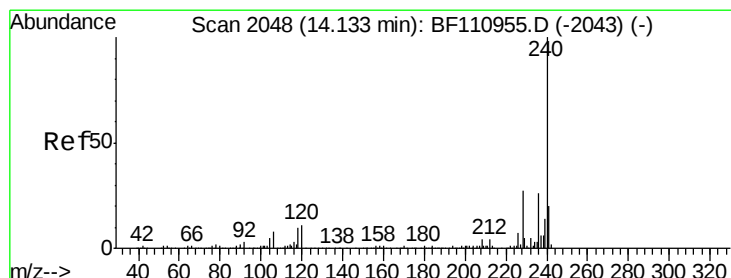
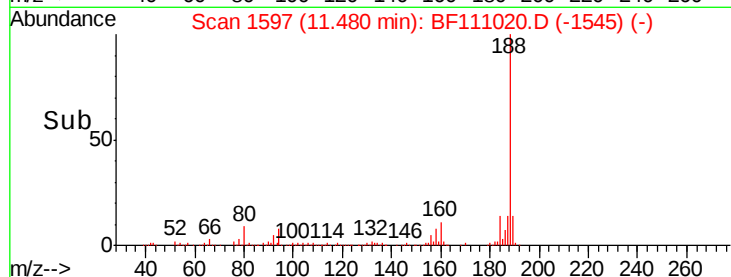
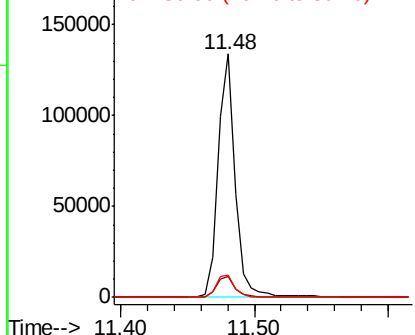
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Instrument :
BNA_F
ClientSampleId :
OILY-SOIL

Tgt Ion:188 Resp: 120700
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 9.2 7.9 11.9

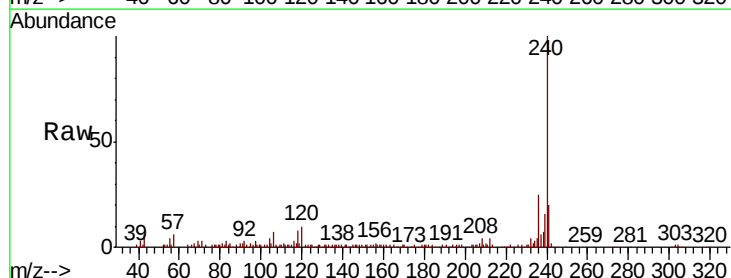


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

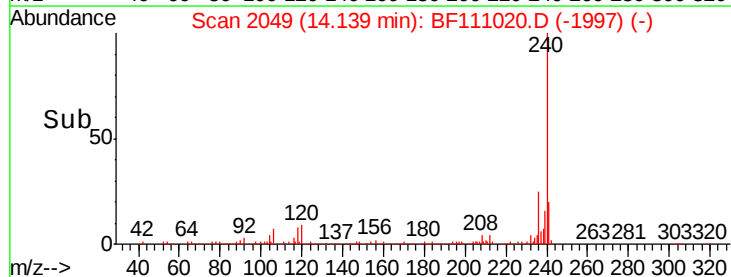
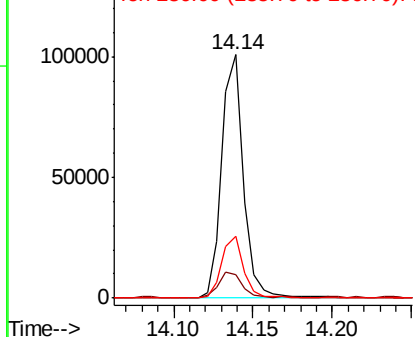


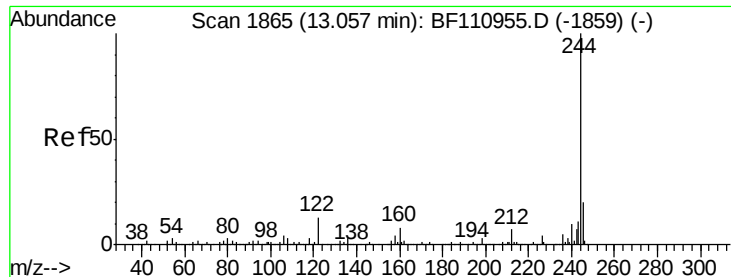
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BF111020.D
Acq: 27 Nov 2018 20:05

Tgt Ion:240 Resp: 95518
Ion Ratio Lower Upper
240 100
120 9.8 8.3 12.5
236 25.2 21.2 31.8



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





#79

Terphenyl-d14

Concen: 4.143 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BF111020.D

Acq: 27 Nov 2018 20:05

Instrument :

BNA_F

ClientSampleId :

OILY-SOIL

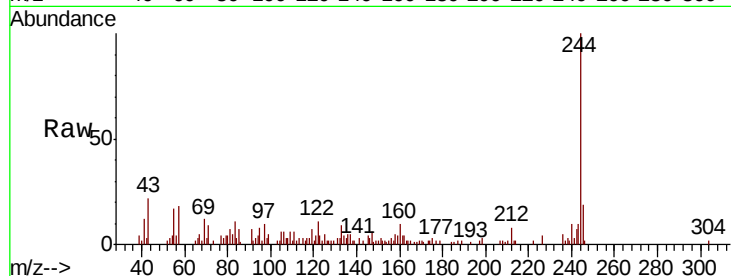
Tgt Ion:244 Resp: 20327

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

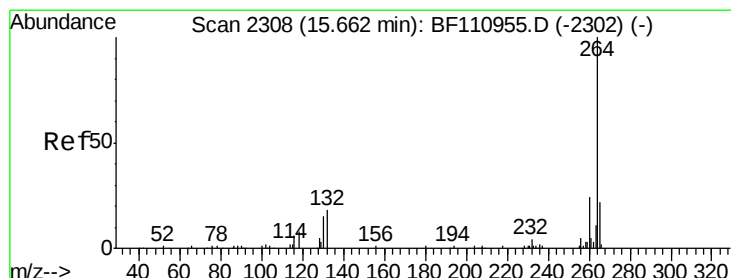
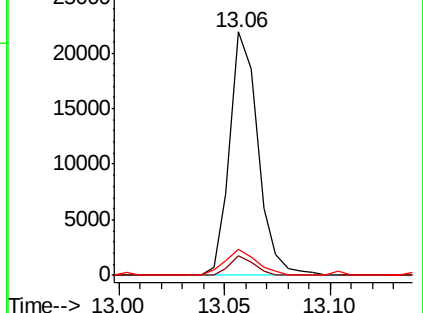
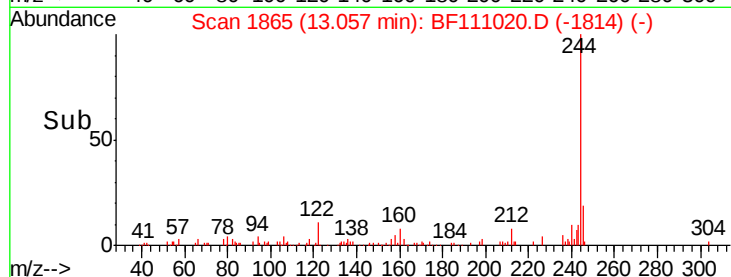
122 10.9 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF111020.D

Acq: 27 Nov 2018 20:05

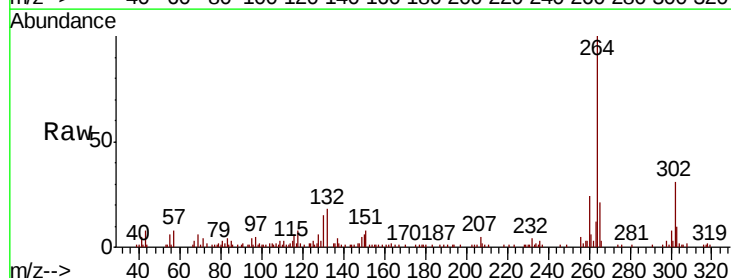
Tgt Ion:264 Resp: 64410

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 20.8 16.7 25.1



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

