

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112818\
 Data File : BF111063.D
 Acq On : 28 Nov 2018 23:24
 Operator : JU/SJ
 Sample : J6064-01DL 40X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-SOILDL

Quant Time: Nov 29 01:30:38 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	6.93	152	56320	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	212301	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	86494	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	131289	20.00	ng	0.00
76) Chrysene-d12	14.13	240	124695	20.00	ng	0.00
87) Perylene-d12	15.66	264	93064	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1198	0.35	ng	-0.04
7) Phenol-d6	6.56	99	412	0.09	ng	-0.01
23) Nitrobenzene-d5	7.52	82	4985	1.34	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	1431	1.67	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	11502	1.93	ng	0.00
79) Terphenyl-d14	13.05	244	9018	1.41	ng	0.00

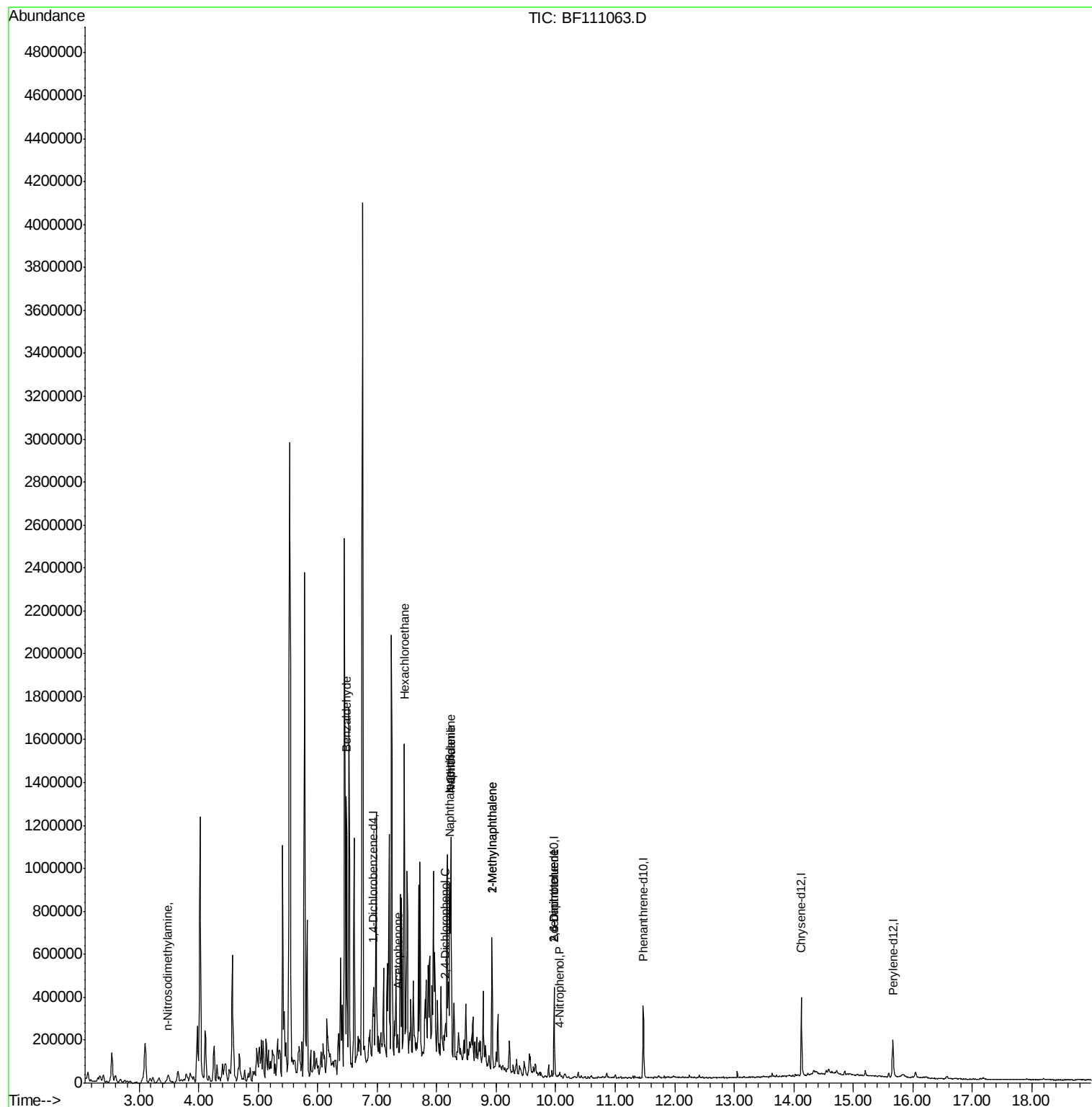
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.48	42	3388	2.078	ng	# 1
9) Benzaldehyde	6.48	77	50325	17.997	ng	# 1
18) Hexachloroethane	7.46	117	73680	44.051	ng	# 1
22) Acetophenone	7.35	105	16341	3.284	ng	# 91
29) 2,4-Dichlorophenol	8.15	162	7327	2.474	ng	# 45
31) Naphthalene	8.24	128	413310	41.532	ng	99
33) 4-Chloroaniline	8.24	127	55308	13.057	ng	# 38
37) 2-Methylnaphthalene	8.93	142	153230	23.311	ng	99
38) 1-Methylnaphthalene	8.93	142	153230	23.966	ng	96
51) 2,6-Dinitrotoluene	9.97	165	11212	7.939	ng	# 26
56) 4-Nitrophenol	10.07	139	109	4.350	ng	# 32
57) 2,4-Dinitrotoluene	9.97	165	11212	6.119	ng	# 22

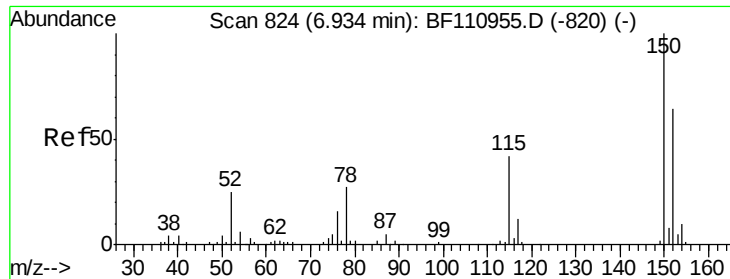
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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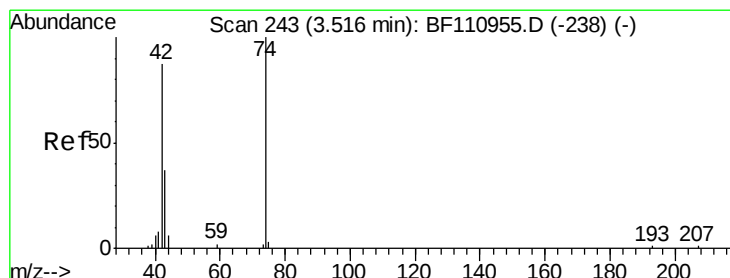
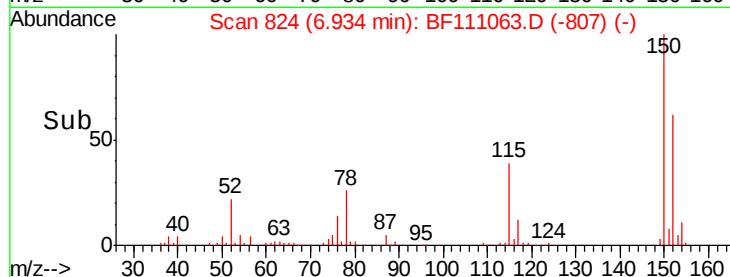
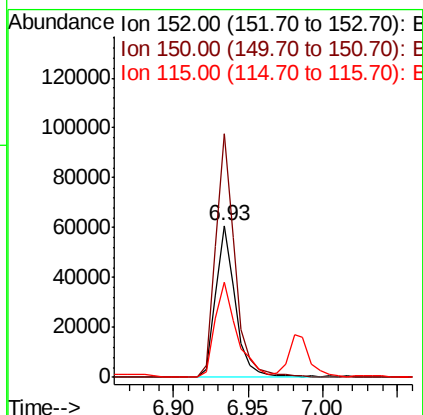
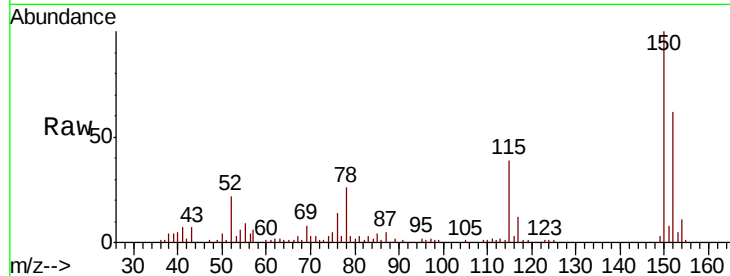




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BF111063.D
 Acq: 28 Nov 2018 23:24

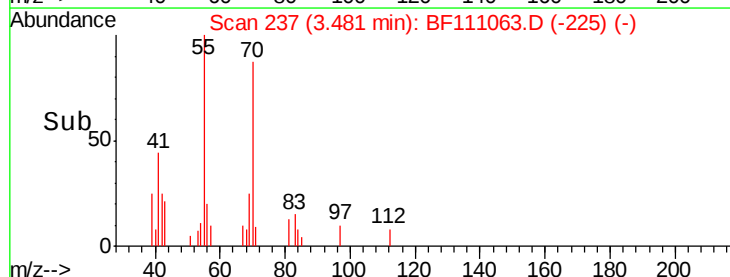
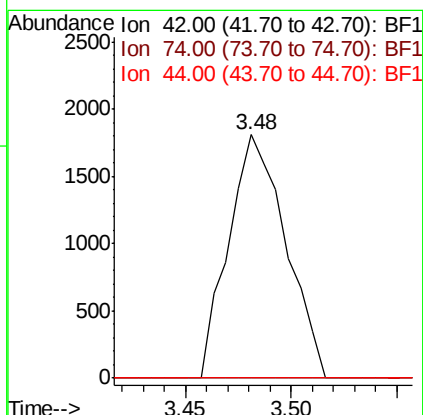
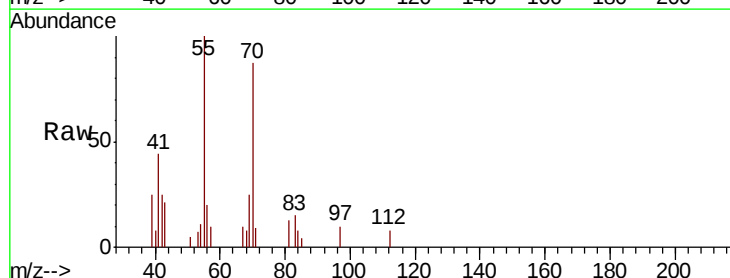
Instrument :
 BNA_F
 ClientSampleId :
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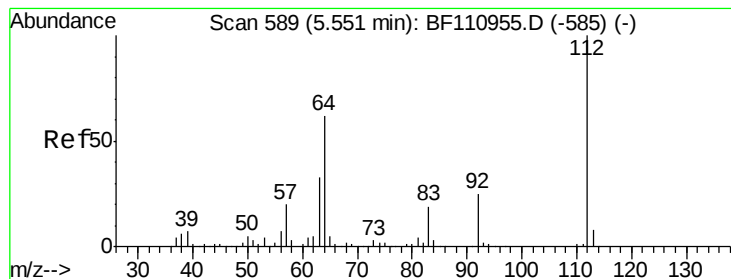
Tgt Ion:152 Resp: 56320
 Ion Ratio Lower Upper
 152 100
 150 160.5 122.7 184.1
 115 62.7 49.1 73.7



#4
 n-Nitrosodimethylamine
 Concen: 2.078 ng
 RT: 3.48 min Scan# 237
 Delta R.T. -0.03 min
 Lab File: BF111063.D
 Acq: 28 Nov 2018 23:24

Tgt Ion: 42 Resp: 3388
 Ion Ratio Lower Upper
 42 100
 74 0.0 105.5 158.3#
 44 0.0 4.9 7.3#





#5

2-Fluorophenol

Concen: 0.353 ng

RT: 5.52 min Scan# 583

Delta R.T. -0.04 min

Lab File: BF111063.D

Acq: 28 Nov 2018 23:24

Instrument :

BNA_F

ClientSampleId :

OILY-SOILDL

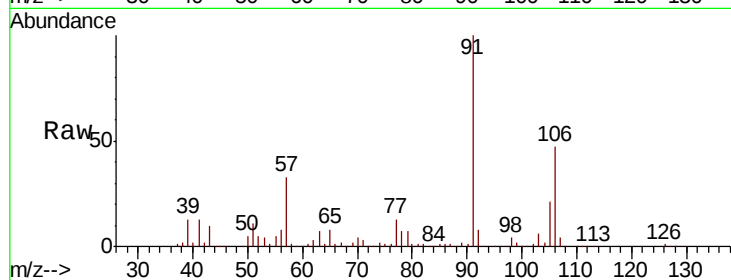
Tgt Ion: 112 Resp: 1198

Ion Ratio Lower Upper

112 100

64 791.4 44.1 66.1#

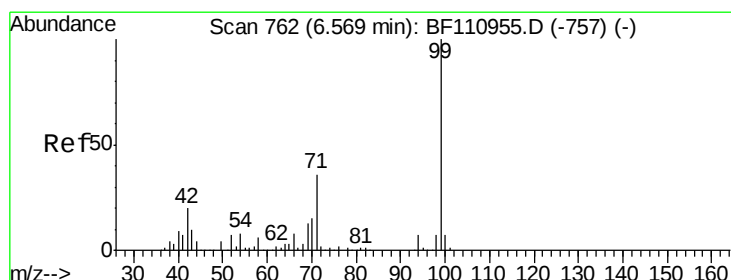
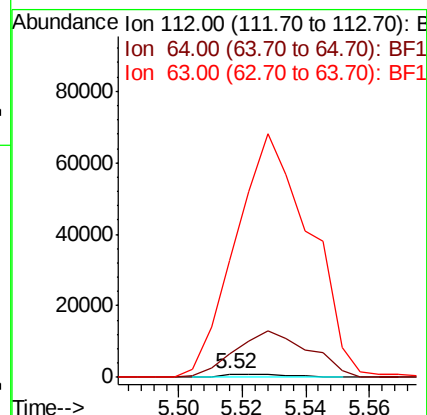
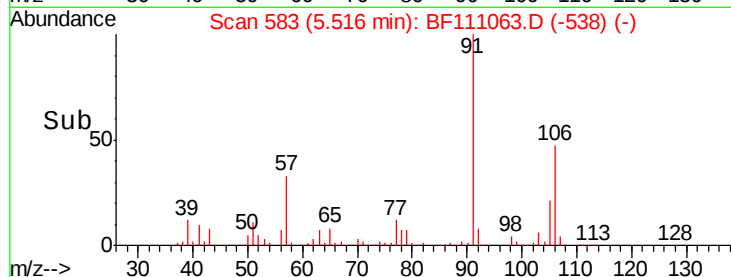
63 3877.0 23.7 35.5#



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: 0.093 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF111063.D

Acq: 28 Nov 2018 23:24

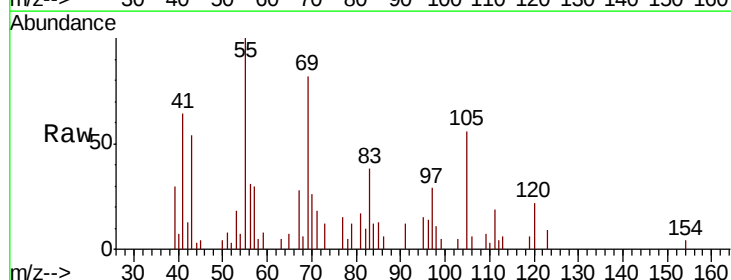
Tgt Ion: 99 Resp: 412

Ion Ratio Lower Upper

99 100

42 283.1 15.8 23.6#

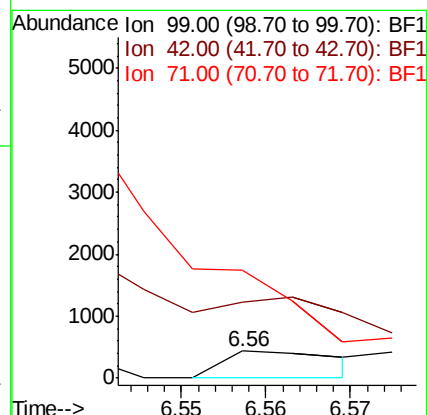
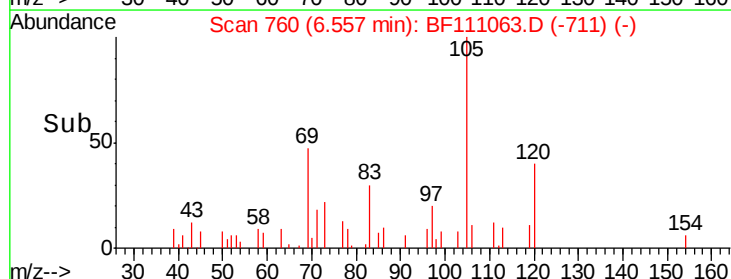
71 403.0 28.0 42.0#

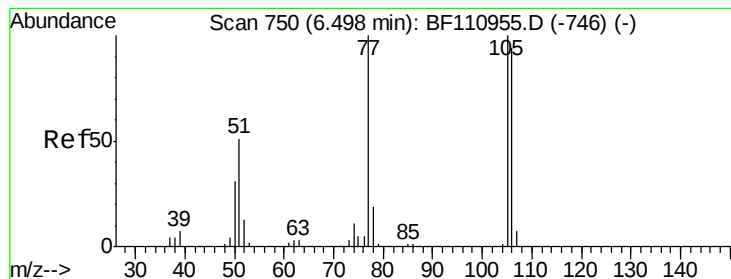


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 17.997 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF111063.D

Acq: 28 Nov 2018 23:24

Instrument :

BNA_F

ClientSampleID :

OILY-SOILD

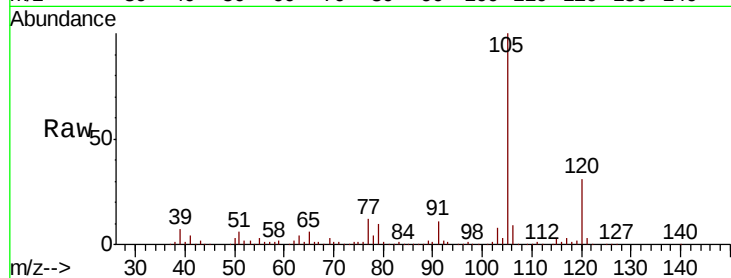
Tgt Ion: 77 Resp: 50325

Ion Ratio Lower Upper

77 100

105 818.3 78.6 118.6#

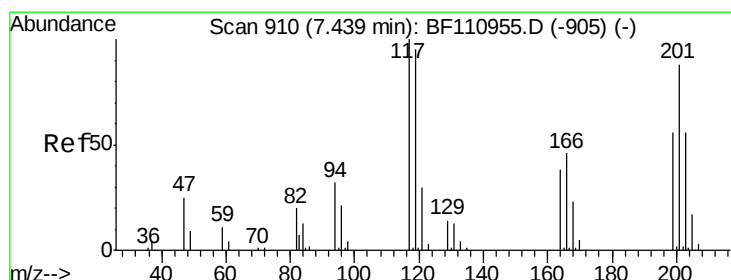
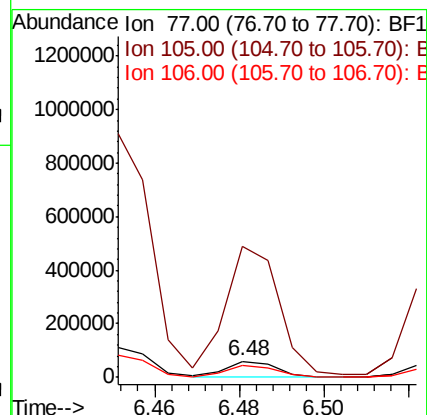
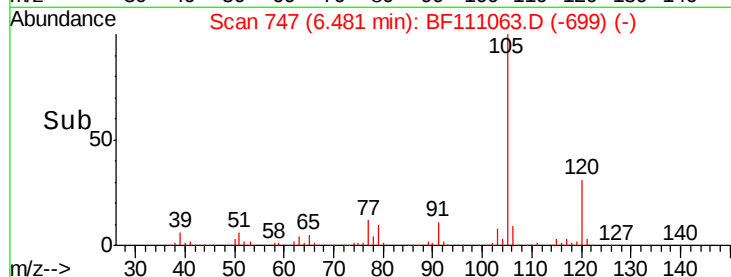
106 72.0 74.8 114.8#



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



#18

Hexachloroethane

Concen: 44.051 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.02 min

Lab File: BF111063.D

Acq: 28 Nov 2018 23:24

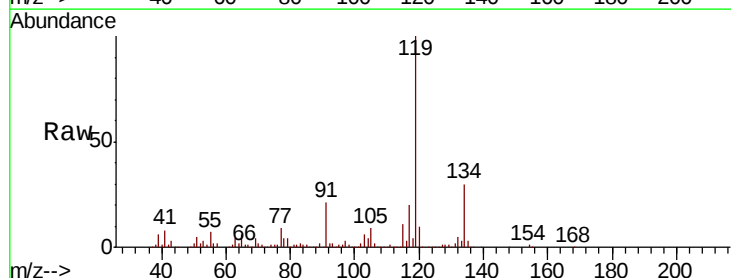
Tgt Ion: 117 Resp: 73680

Ion Ratio Lower Upper

117 100

119 501.6 75.0 112.6#

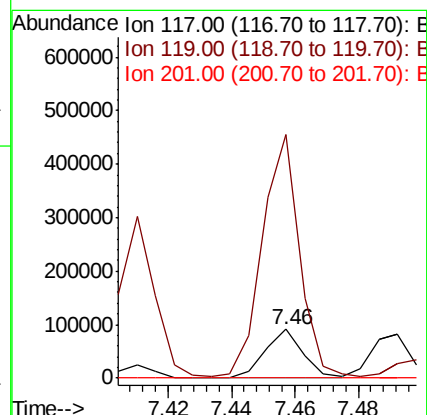
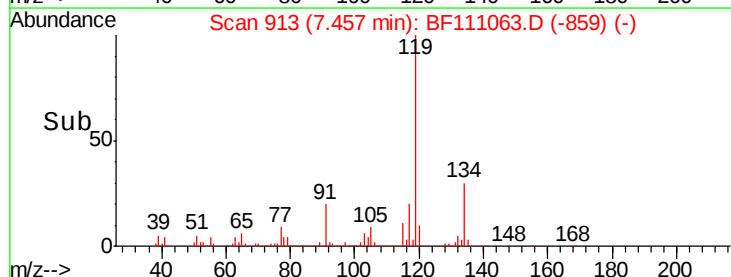
201 0.0 79.2 118.8#

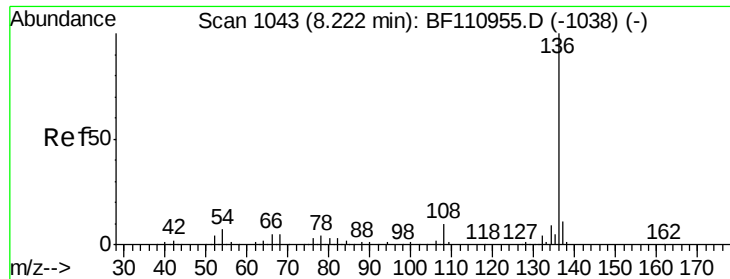


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

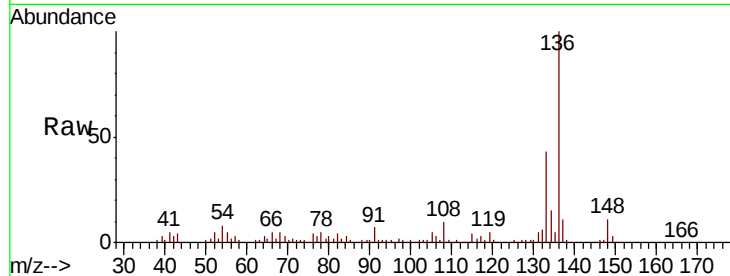




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Instrument :
BNA_F
ClientSampleId :
OILY-SOILDL

Tgt Ion:	136	Resp:	212301
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.8	5.4	8.2
68	4.9	4.2	6.2



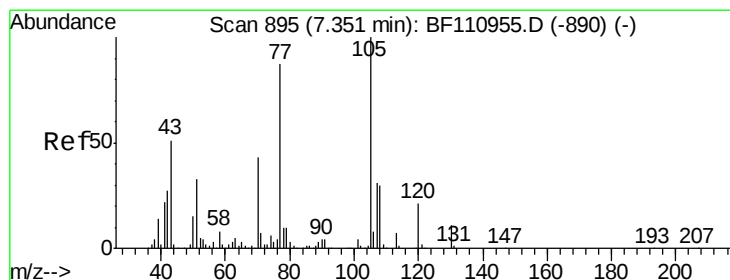
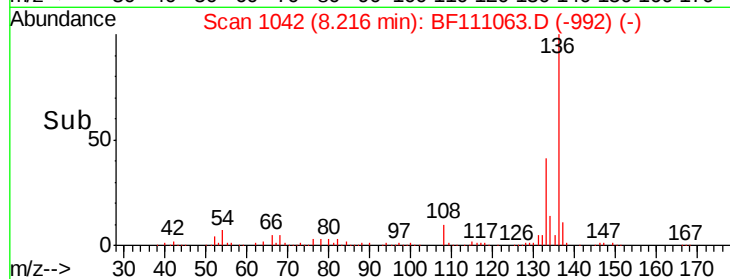
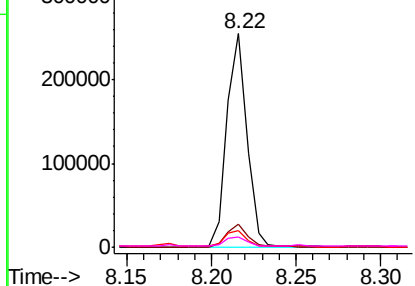
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

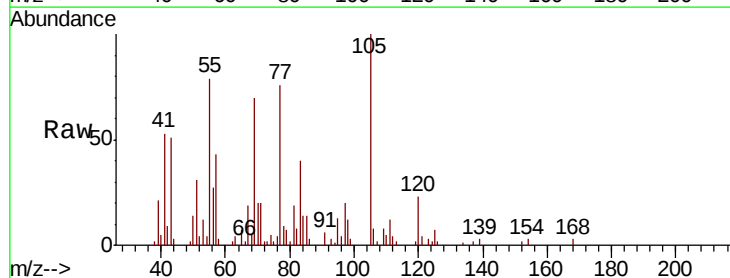
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 3.284 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.00 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Tgt Ion:	105	Resp:	16341
Ion	Ratio	Lower	Upper
105	100		
71	20.1	5.2	7.8#
51	30.7	21.8	32.8
120	22.9	17.0	25.4



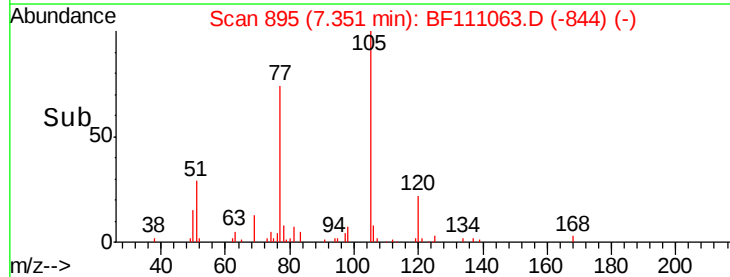
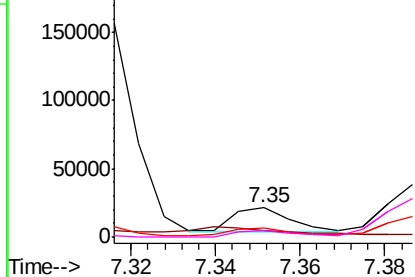
Abundance

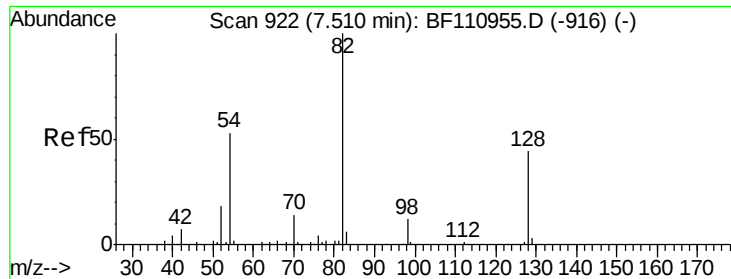
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

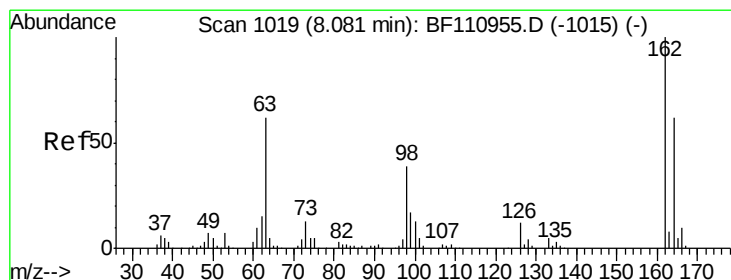
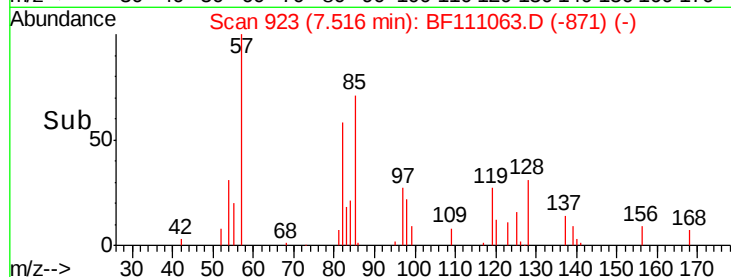
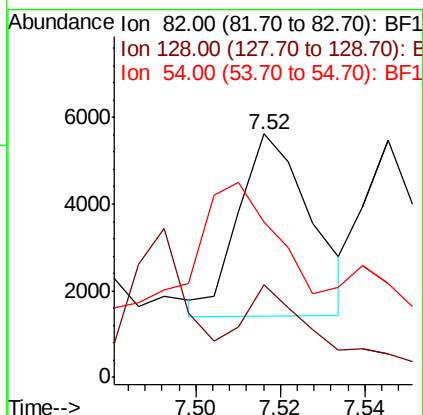
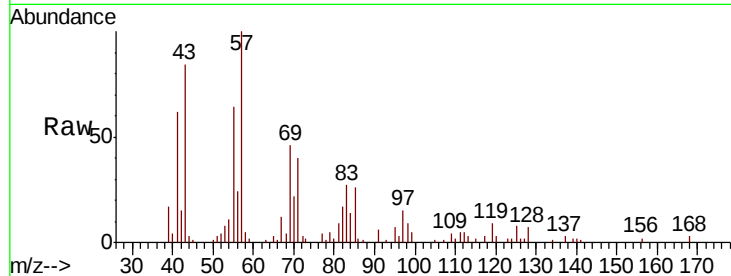




#23
 Nitrobenzene-d5
 Concen: 1.344 ng
 RT: 7.52 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: BF111063.D
 Acq: 28 Nov 2018 23:24

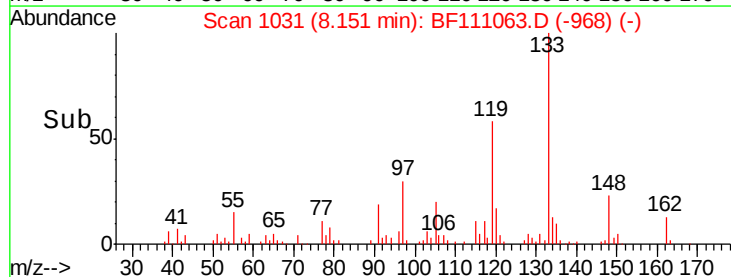
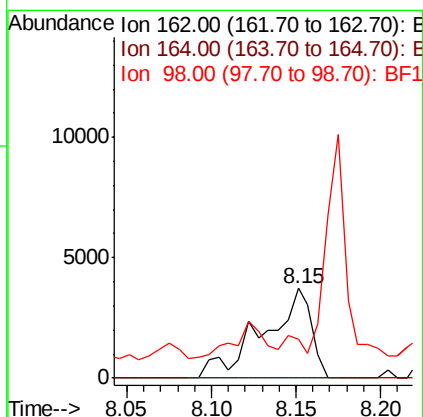
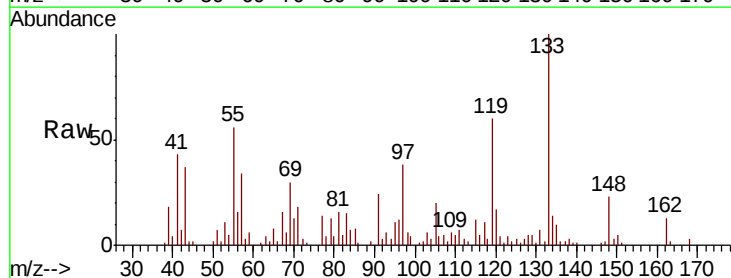
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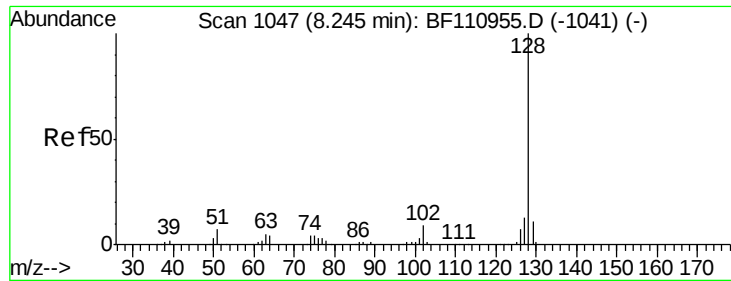
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.8	34.2	51.2
54	63.8	38.6	58.0#



#29
 2,4-Dichlorophenol
 Concen: 2.474 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. 0.07 min
 Lab File: BF111063.D
 Acq: 28 Nov 2018 23:24

Tgt Ion	Ratio	Lower	Upper
162	100		
164	0.0	44.6	84.6#
98	42.8	17.4	57.4

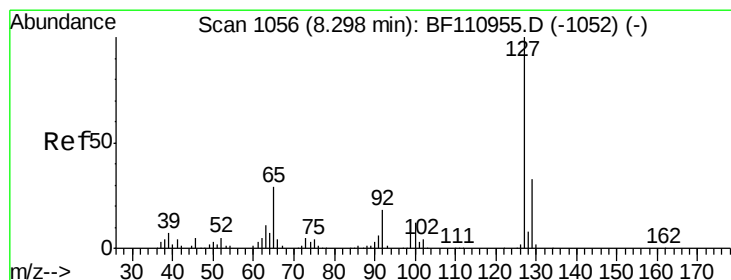
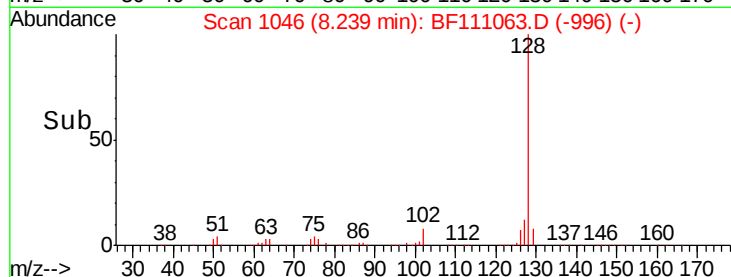
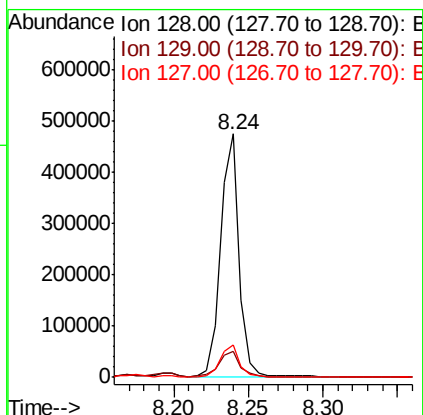
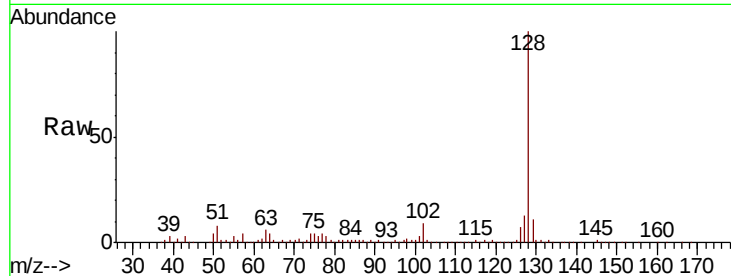




#31
Naphthalene
Concen: 41.532 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

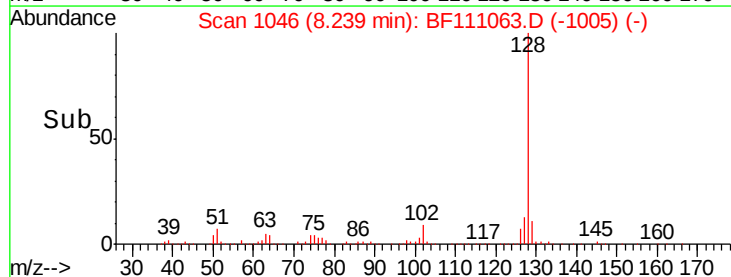
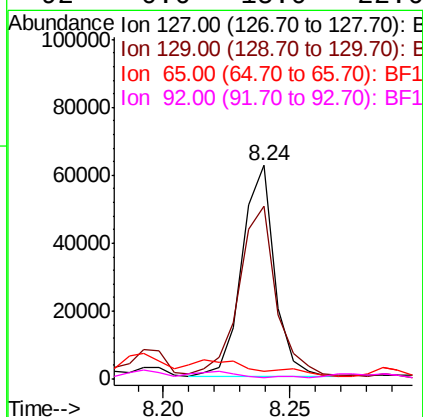
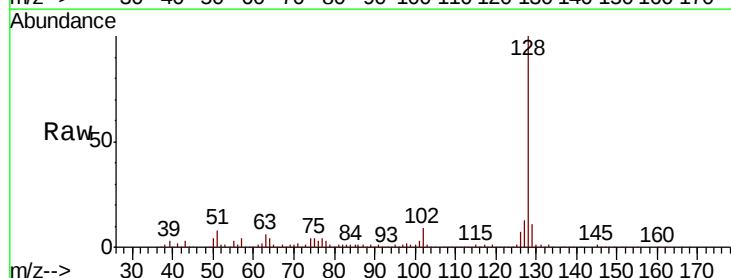
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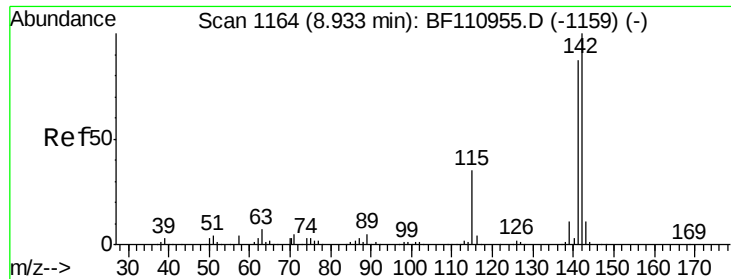
Tgt Ion:128 Resp: 413310
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.2 10.8 16.2



#33
4-Chloroaniline
Concen: 13.057 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.06 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Tgt Ion:127 Resp: 55308
Ion Ratio Lower Upper
127 100
129 80.7 26.0 39.0#
65 3.9 25.1 37.7#
92 0.6 15.0 22.6#

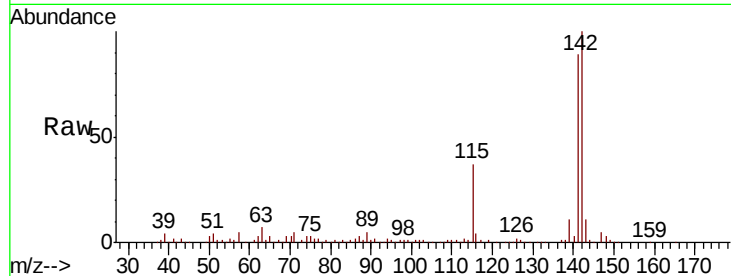




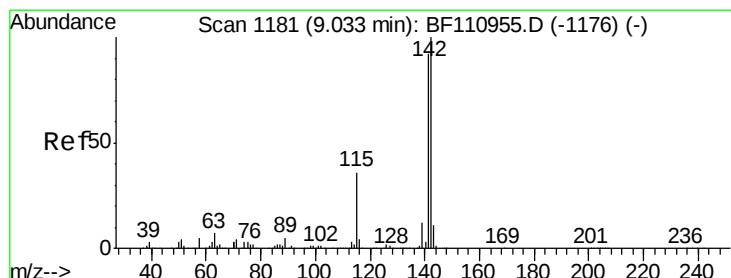
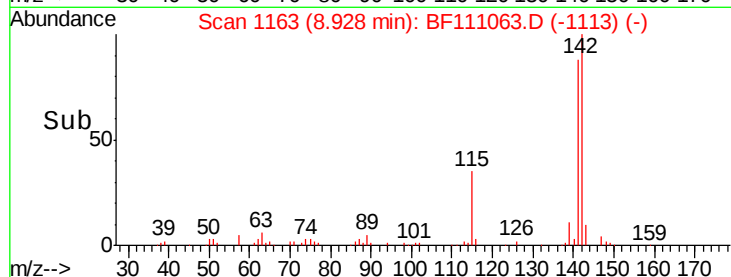
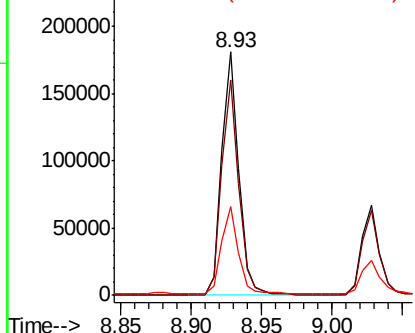
#37
2-Methylnaphthalene
Concen: 23.311 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Instrument :
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OILY-SOILDL

Tgt Ion:142 Resp: 153230
Ion Ratio Lower Upper
142 100
141 88.7 71.4 107.2
115 36.7 28.7 43.1

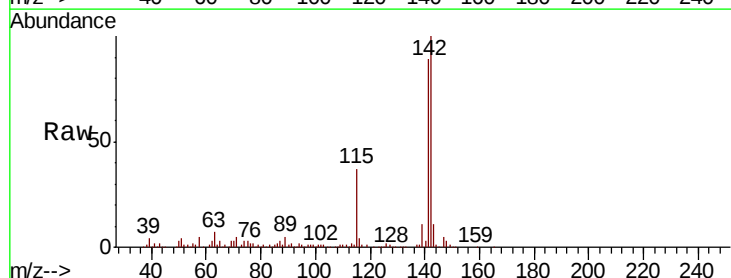


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

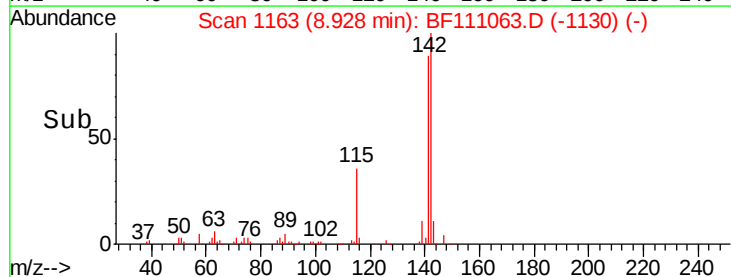
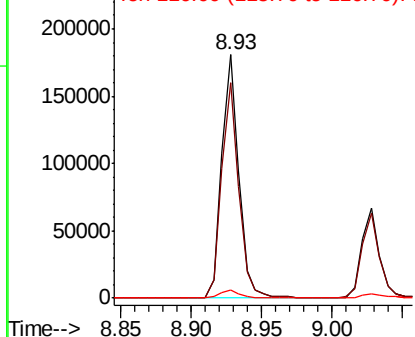


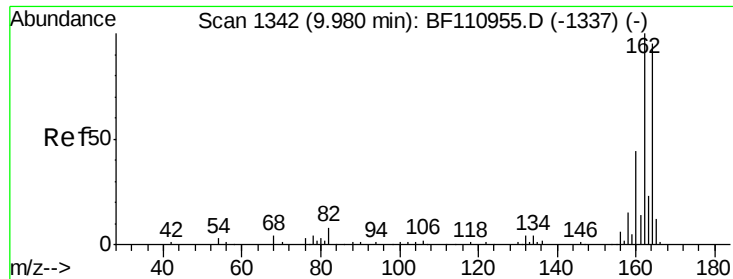
#38
1-Methylnaphthalene
Concen: 23.966 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.11 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Tgt Ion:142 Resp: 153230
Ion Ratio Lower Upper
142 100
141 88.7 74.2 111.4
116 3.5 2.6 4.0



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

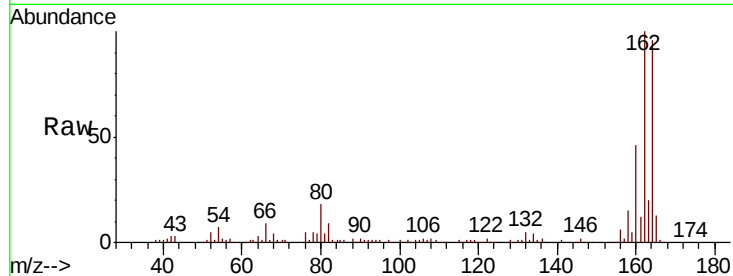




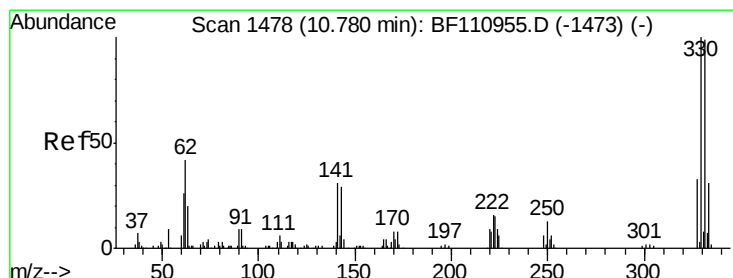
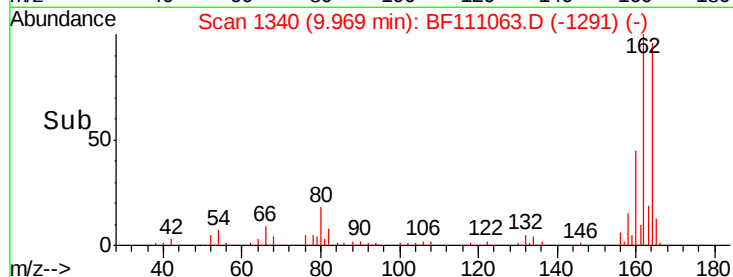
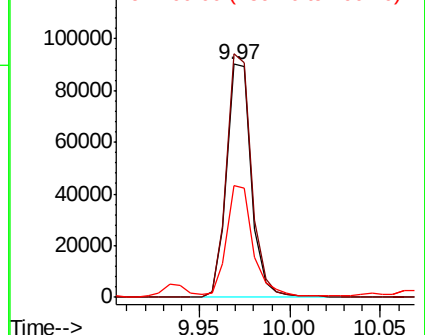
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Instrument :
BNA_F
ClientSampleId :
OILY-SOILDL

Tgt Ion:164 Resp: 86494
Ion Ratio Lower Upper
164 100
162 104.4 83.0 124.6
160 47.7 37.0 55.6

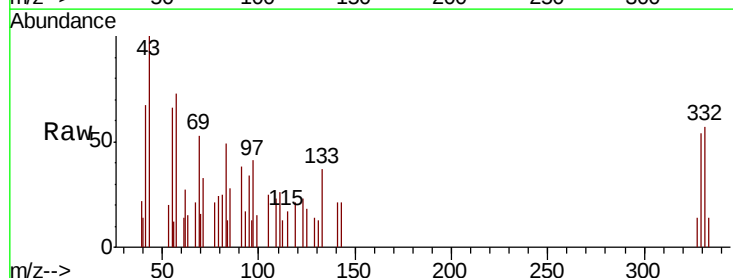


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

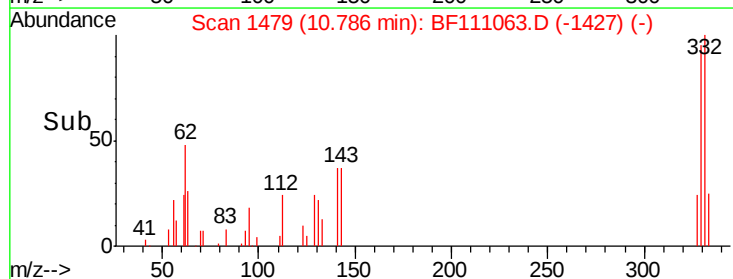
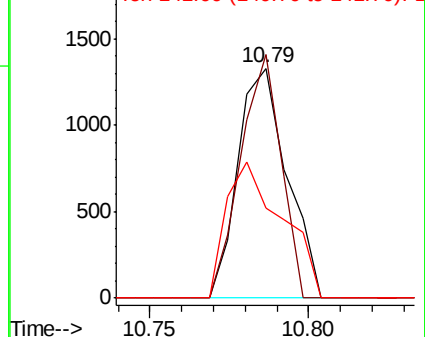


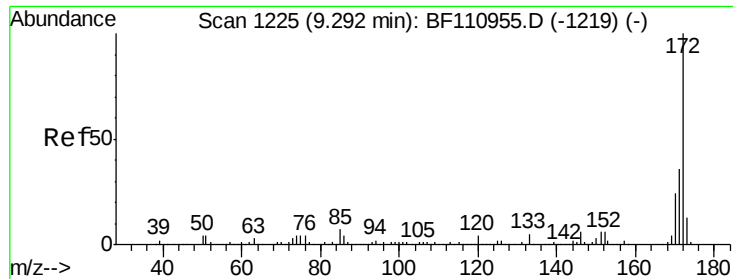
#42
2,4,6-Tribromophenol
Concen: 1.666 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.01 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Tgt Ion:330 Resp: 1431
Ion Ratio Lower Upper
330 100
332 86.7 77.1 115.7
141 67.4 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

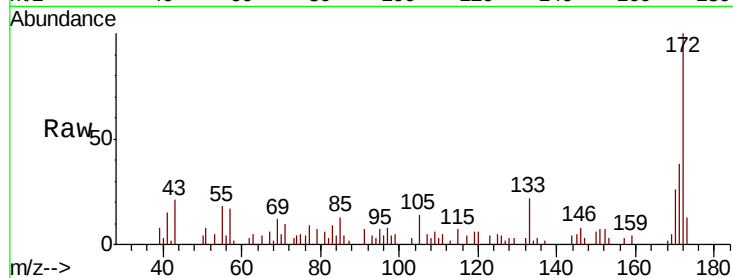




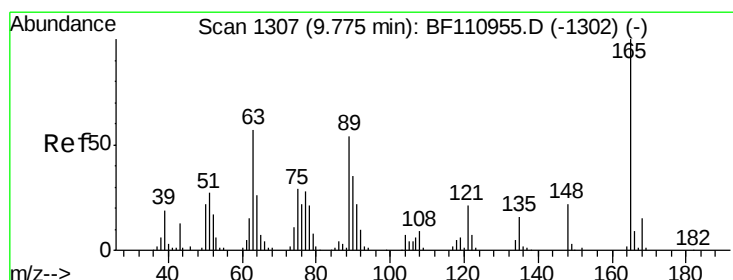
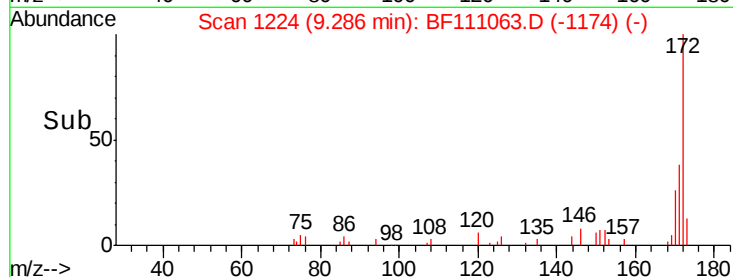
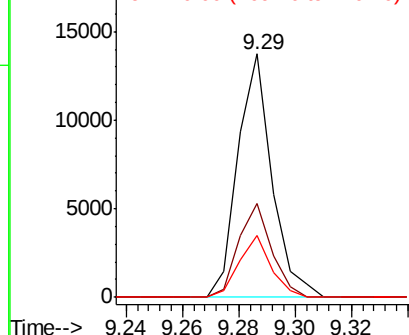
#45
2-Fluorobiphenyl
Concen: 1.927 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Instrument :
BNA_F
ClientSampleId :
OILY-SOILD

Tgt Ion:172 Resp: 11502
Ion Ratio Lower Upper
172 100
171 38.4 28.6 43.0
170 25.7 19.7 29.5

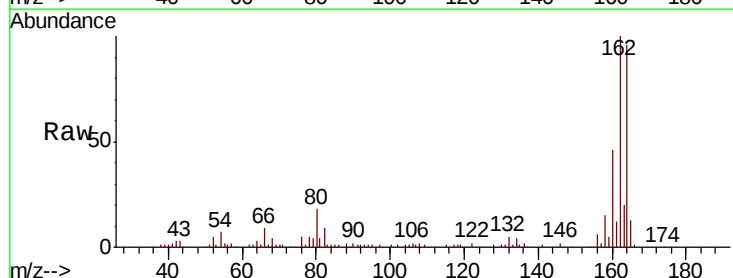


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

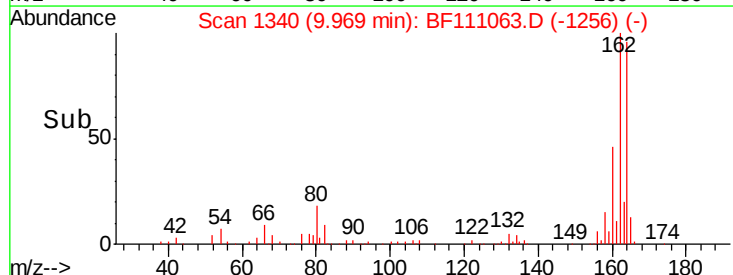
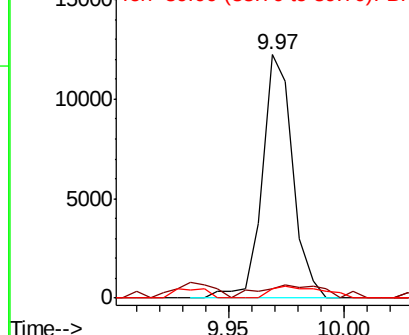


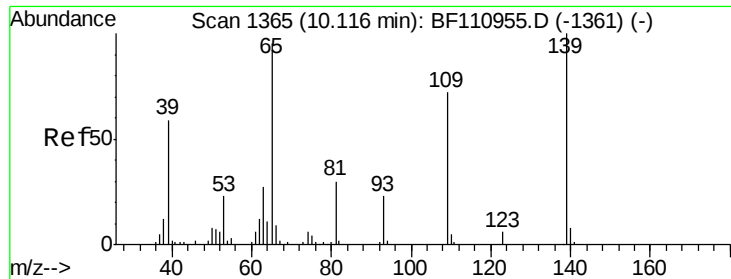
#51
2,6-Dinitrotoluene
Concen: 7.939 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.19 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Tgt Ion:165 Resp: 11212
Ion Ratio Lower Upper
165 100
63 4.0 48.9 73.3#
89 3.7 46.6 69.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#56

4-Nitrophenol

Concen: 4.350 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.05 min

Lab File: BF111063.D

Acq: 28 Nov 2018 23:24

Instrument :

BNA_F

ClientSampled :

OILY-SOILDL

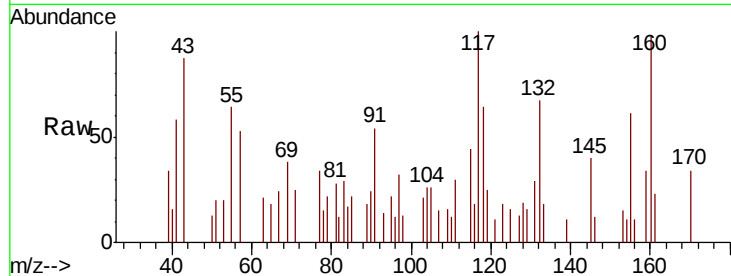
Tgt Ion:139 Resp: 109

Ion Ratio Lower Upper

139 100

109 140.6 55.8 95.8#

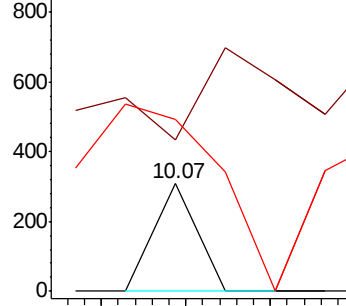
65 159.7 77.9 117.9#



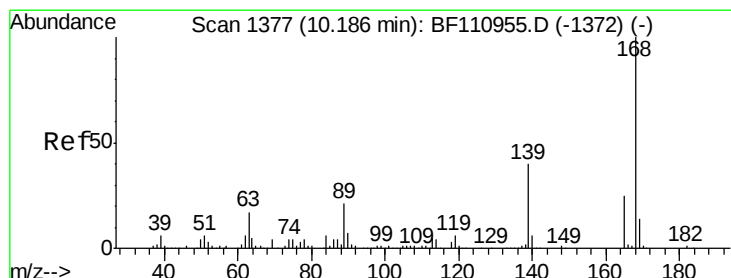
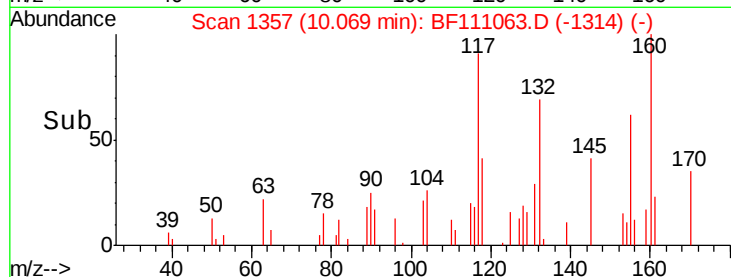
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



Time-->



#57

2,4-Dinitrotoluene

Concen: 6.119 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.22 min

Lab File: BF111063.D

Acq: 28 Nov 2018 23:24

Tgt Ion:165 Resp: 11212

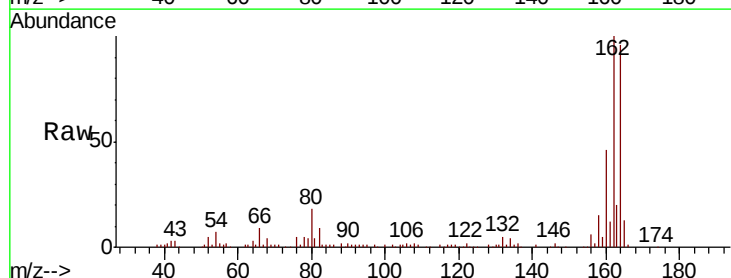
Ion Ratio Lower Upper

165 100

63 4.0 44.8 67.2#

89 3.7 62.2 93.4#

182 0.0 2.1 3.1#

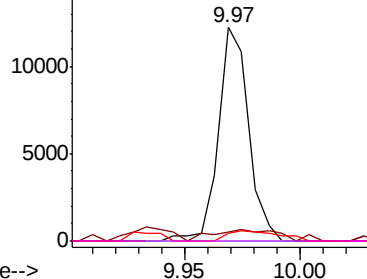


Abundance Ion 165.00 (164.70 to 165.70): E

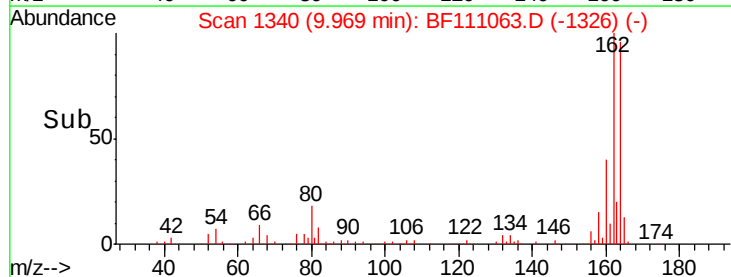
Ion 63.00 (62.70 to 63.70): BF1

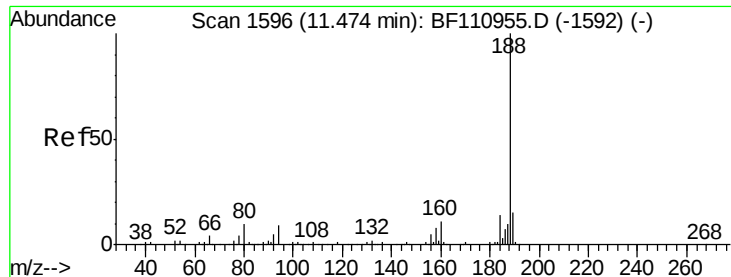
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): BF1



Time-->

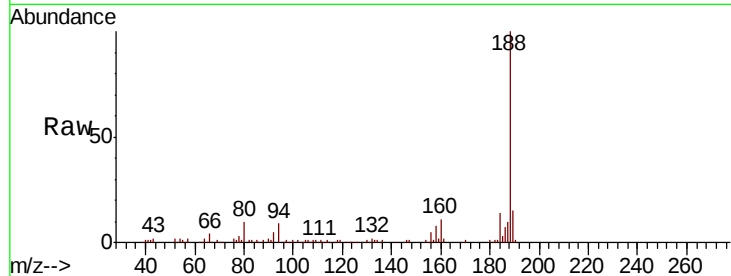




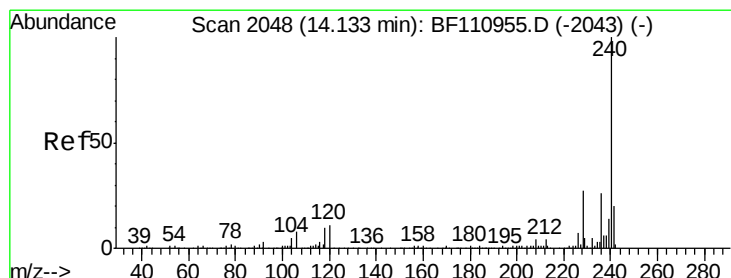
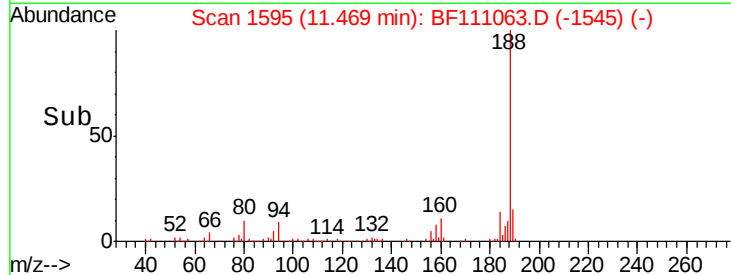
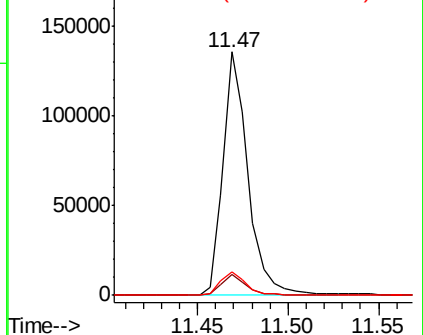
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Instrument :
BNA_F
ClientSampleId :
OILY-SOILDL

Tgt Ion:188 Resp: 131289
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.7 7.9 11.9

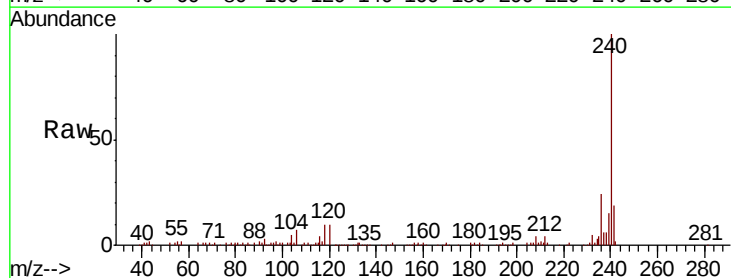


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

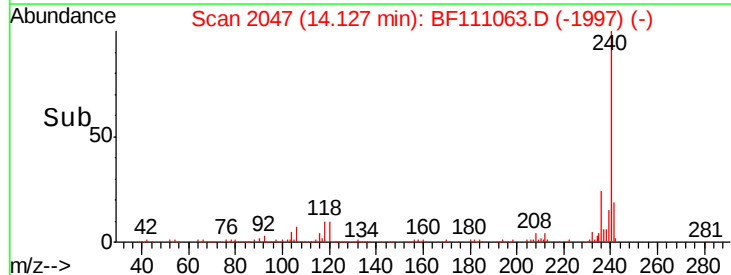
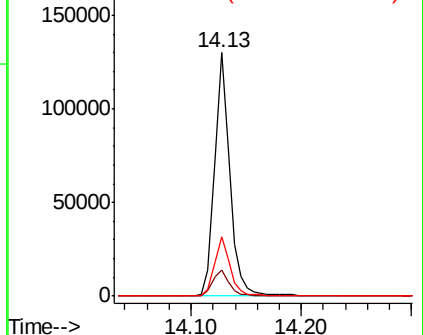


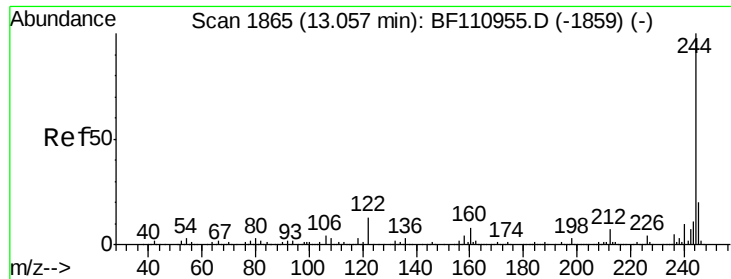
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF111063.D
Acq: 28 Nov 2018 23:24

Tgt Ion:240 Resp: 124695
Ion Ratio Lower Upper
240 100
120 10.5 8.3 12.5
236 24.5 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

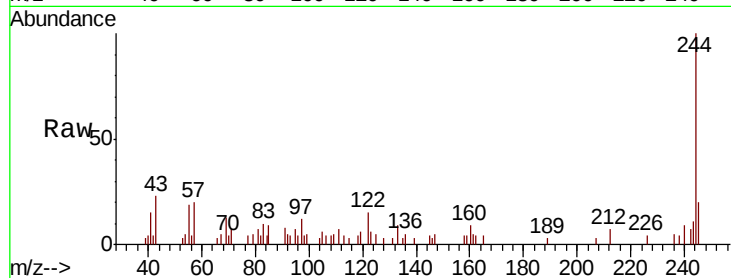




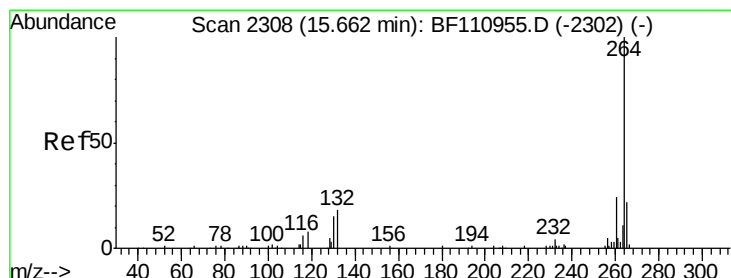
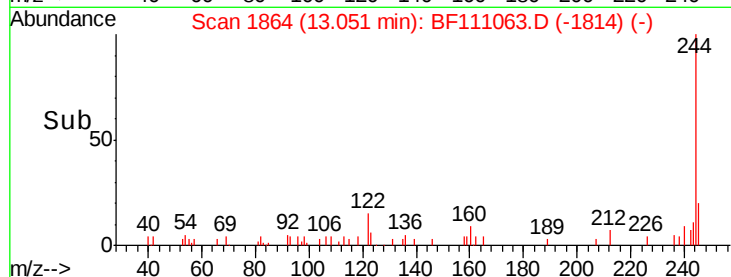
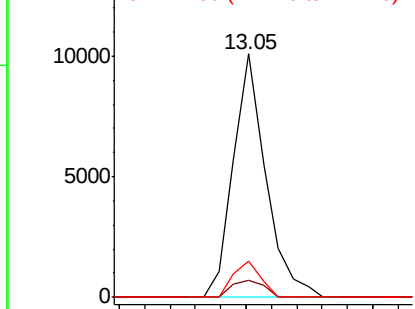
#79
 Terphenyl-d14
 Concen: 1.408 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF111063.D
 Acq: 28 Nov 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :
 OILY-SOILDL

Tgt Ion:244 Resp: 9018
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 15.0 8.7 13.1#

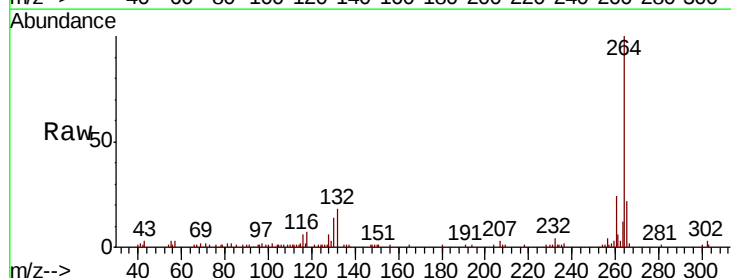


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. -0.01 min
 Lab File: BF111063.D
 Acq: 28 Nov 2018 23:24

Tgt Ion:264 Resp: 93064
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.7 28.1
 265 21.8 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

