

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113852.D
 Acq On : 19 Apr 2019 12:18
 Operator : JU/SJ
 Sample : K2453-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Quant Time: Apr 19 23:21:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	208497	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	743030	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	342631	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	537973	20.00	ng	0.00
76) Chrysene-d12	14.06	240	412999	20.00	ng	0.02
87) Perylene-d12	15.54	264	561051	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1402776	111.87	ng	0.01
7) Phenol-d6	6.52	99	1795886	114.85	ng	0.00
23) Nitrobenzene-d5	7.46	82	1087154	89.10	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	440881	116.47	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1892505	84.23	ng	0.00
79) Terphenyl-d14	13.01	244	1448619	73.55	ng	0.01

Target Compounds

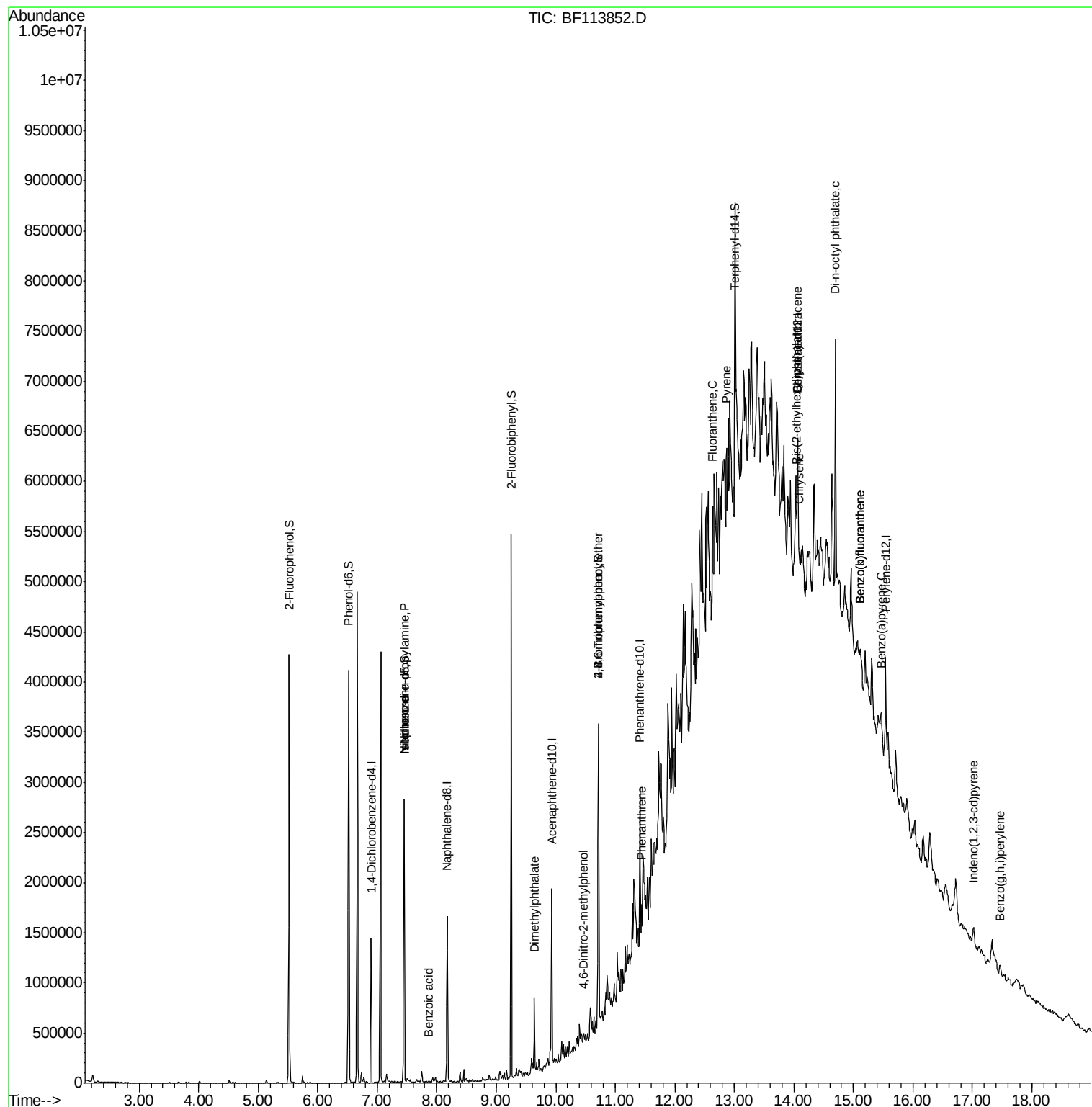
						Qvalue
9) Benzaldehyde	6.52	77	2961	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	150443	14.414 ng	#	77
25) Isophorone	7.46	82	1087143	43.033 ng	#	65
32) Benzoic acid	7.85	122	109	5.940 ng	#	18
50) Dimethylphthalate	9.64	163	262898	10.964 ng		99
65) 4,6-Dinitro-2-methylphenol	10.47	198	121	6.974 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	29120	4.609 ng	#	1
71) Phenanthrene	11.44	178	91209	3.329 ng	#	94
75) Fluoranthene	12.63	202	151473	5.216 ng		94
78) Pyrene	12.86	202	146996	5.050 ng		95
81) Benzo(a)anthracene	14.06	228	87492	3.624 ng		94
83) Chrysene	14.09	228	90869	3.792 ng		96
84) Bis(2-ethylhexyl)phthalate	14.04	149	26777	2.076 ng	#	82
85) Di-n-octyl phthalate	14.70	149	281957	14.088 ng	#	67
86) Indeno(1,2,3-cd)pyrene	17.02	276	72266	3.694 ng		95
88) Benzo(b)fluoranthene	15.11	252	176210	5.038 ng	#	38
89) Benzo(k)fluoranthene	15.11	252	176210	5.531 ng	#	38
90) Benzo(a)pyrene	15.48	252	99211	3.208 ng	#	40
92) Benzo(g,h,i)perylene	17.47	276	67441	2.411 ng	#	91

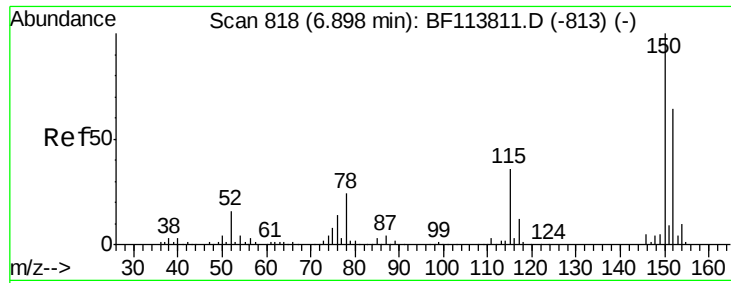
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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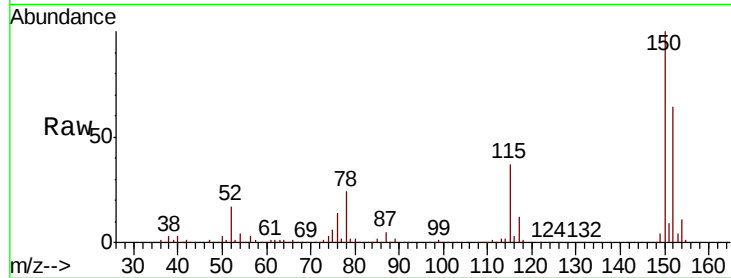




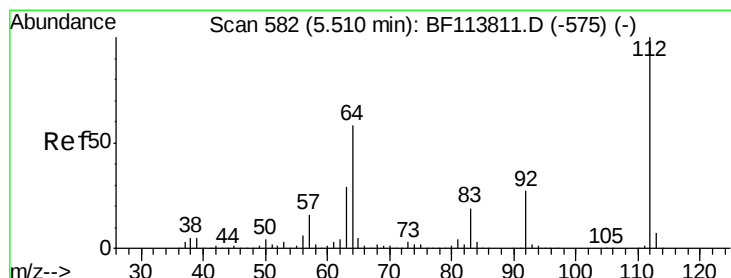
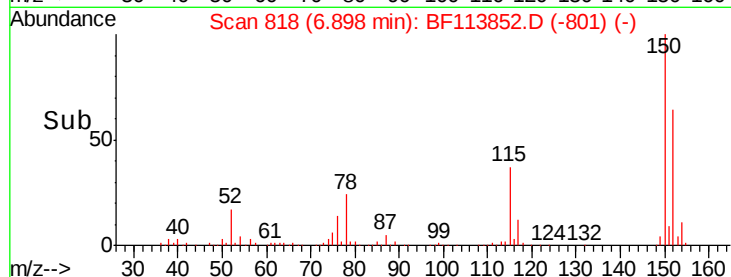
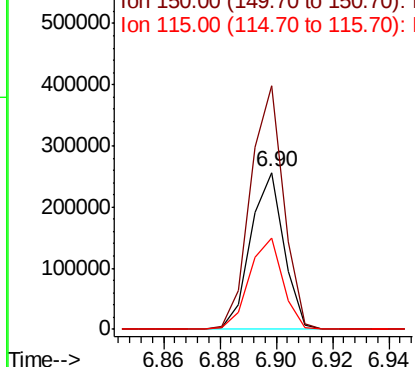
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF113852.D
 Acq: 19 Apr 2019 12:18

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Tgt Ion:152 Resp: 208497
 Ion Ratio Lower Upper
 152 100
 150 155.4 125.9 188.9
 115 58.0 45.9 68.9

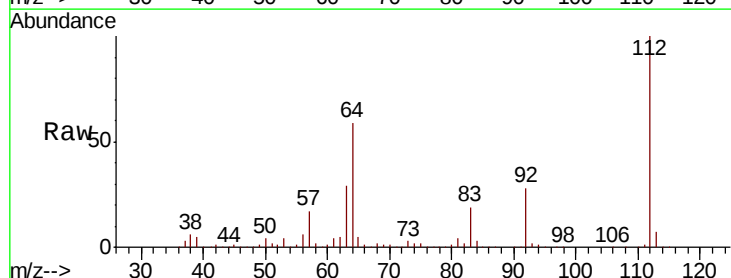


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

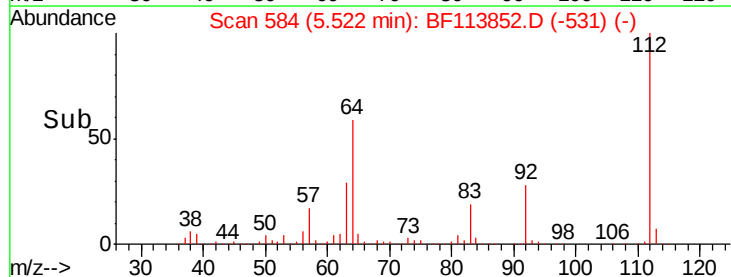
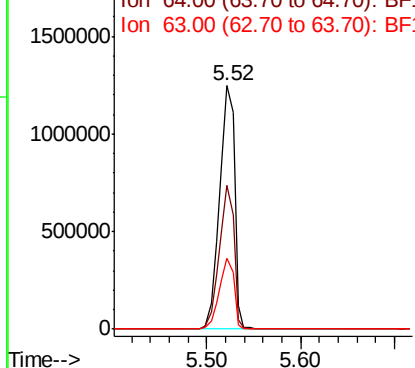


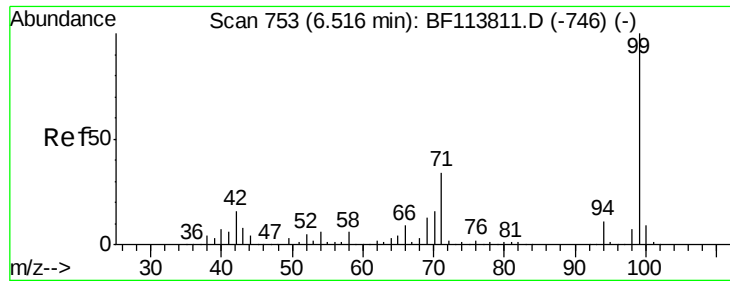
#5
 2-Fluorophenol
 Concen: 111.872 ng
 RT: 5.52 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: BF113852.D
 Acq: 19 Apr 2019 12:18

Tgt Ion:112 Resp: 1402776
 Ion Ratio Lower Upper
 112 100
 64 59.1 46.6 69.8
 63 29.3 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 114.847 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

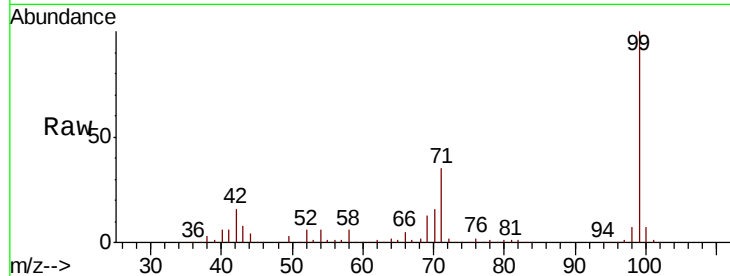
Tgt Ion: 99 Resp: 1795886

Ion Ratio Lower Upper

99 100

42 16.3 12.5 18.7

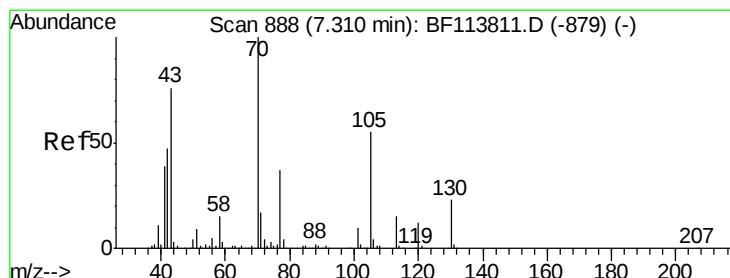
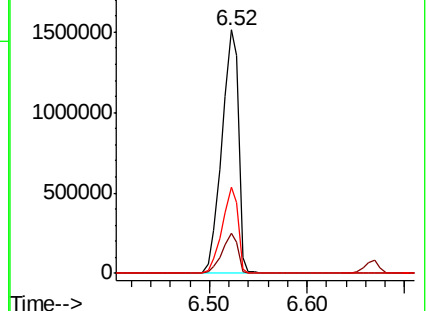
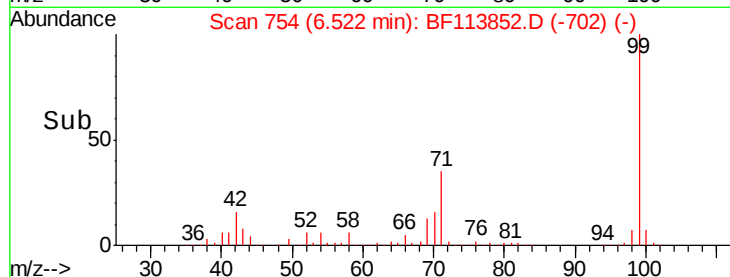
71 35.2 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.414 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

Tgt Ion: 70 Resp: 150443

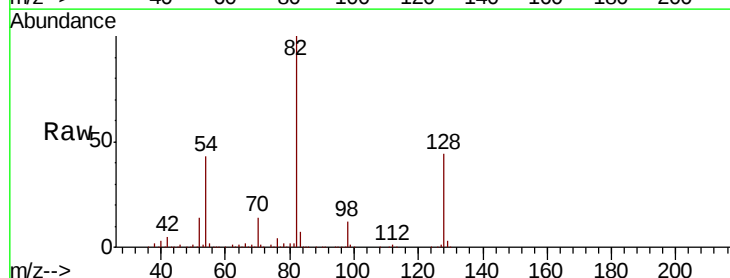
Ion Ratio Lower Upper

70 100

42 38.4 37.3 55.9

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

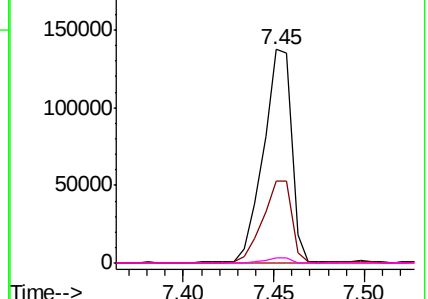
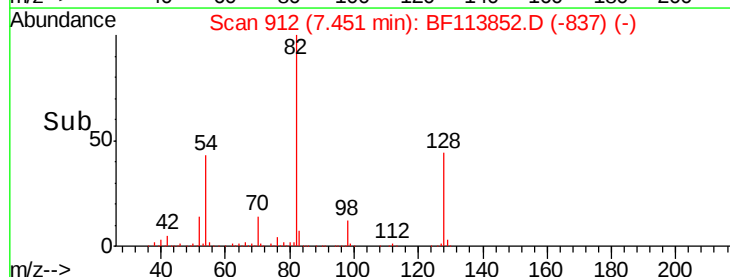


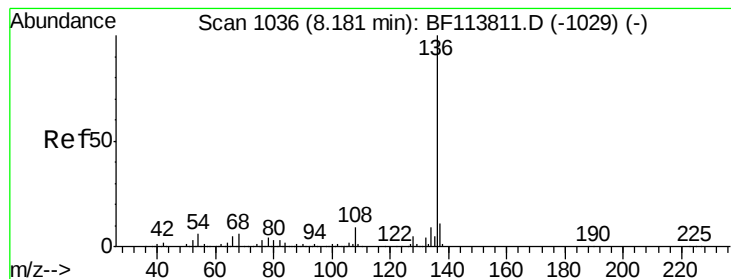
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

Tgt Ion: 136 Resp: 743030

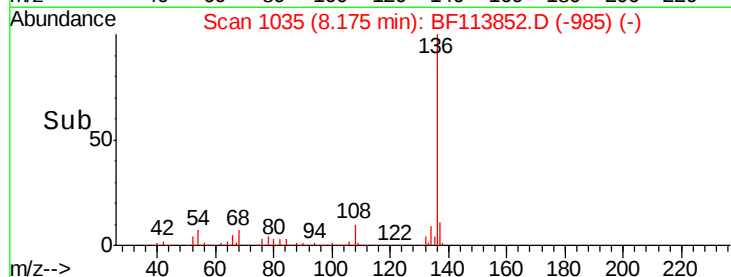
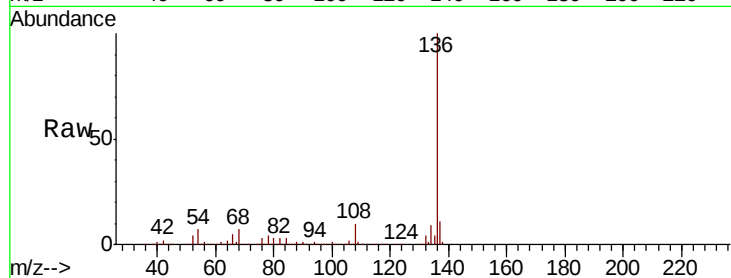
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 7.0 5.0 7.6

68 6.6 4.9 7.3



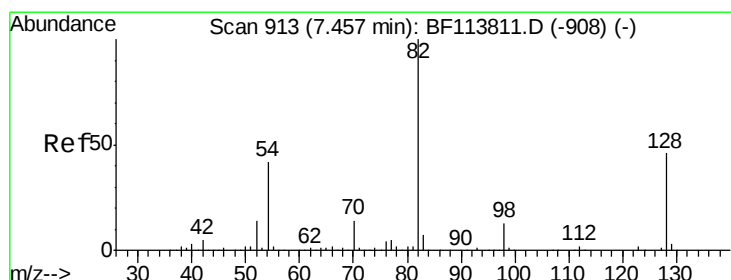
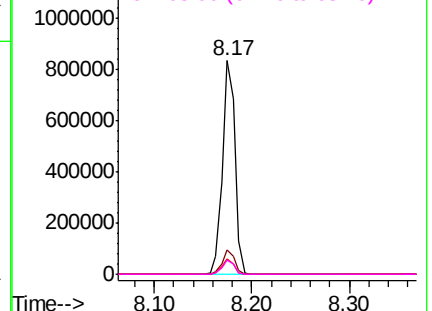
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 89.100 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

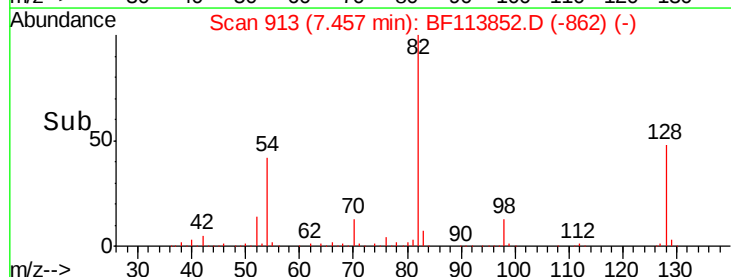
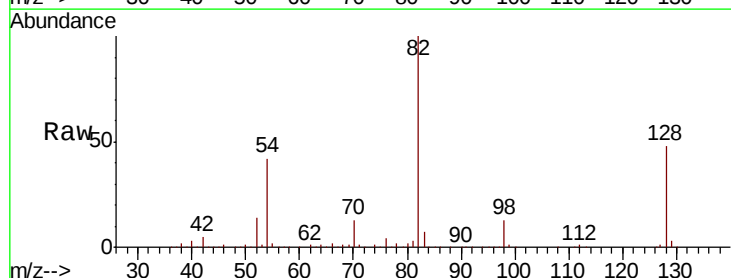
Tgt Ion: 82 Resp: 1087154

Ion Ratio Lower Upper

82 100

128 48.3 36.8 55.2

54 41.8 33.8 50.6

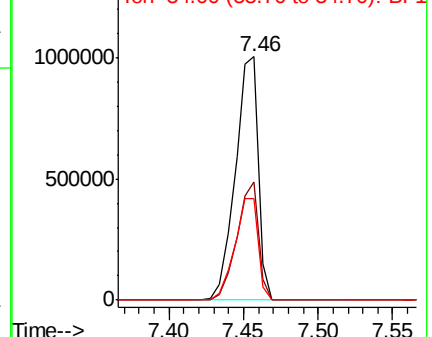


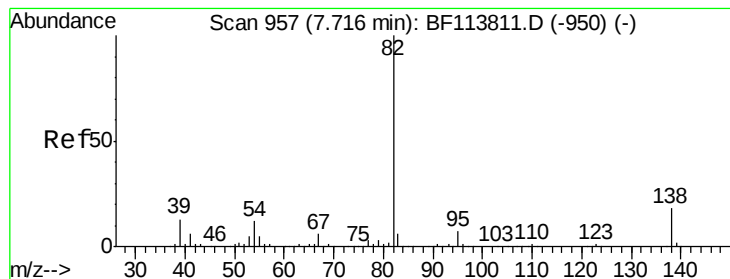
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.033 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

Instrument :

BNA_F

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OILY-STONES

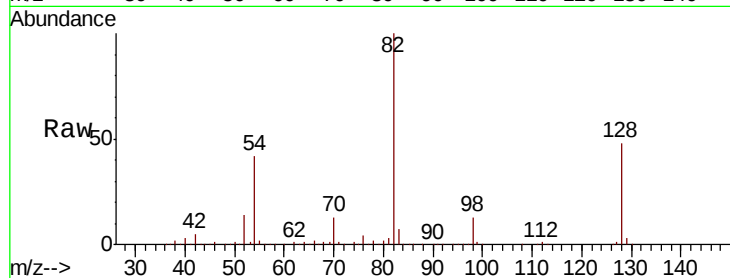
Tgt Ion: 82 Resp: 1087143

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

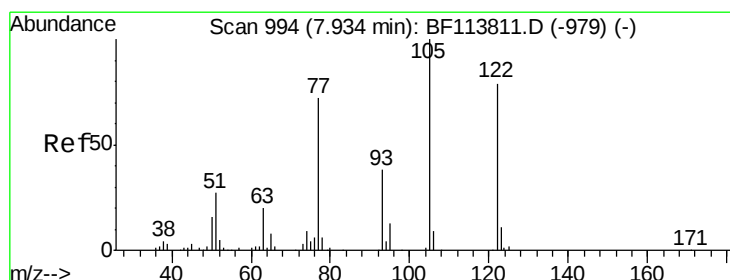
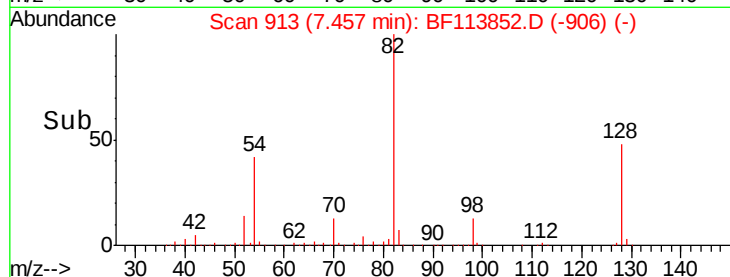
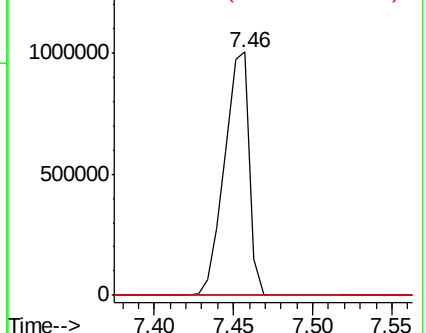
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 5.940 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.08 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

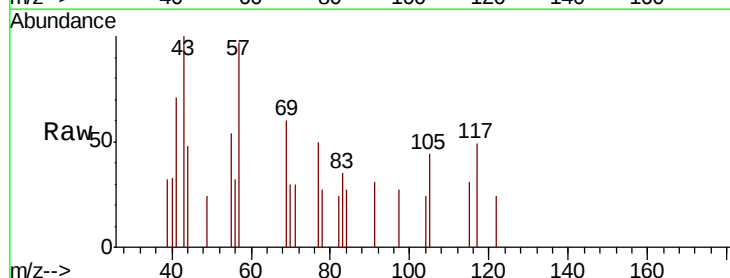
Tgt Ion: 122 Resp: 109

Ion Ratio Lower Upper

122 100

105 184.1 104.3 144.3#

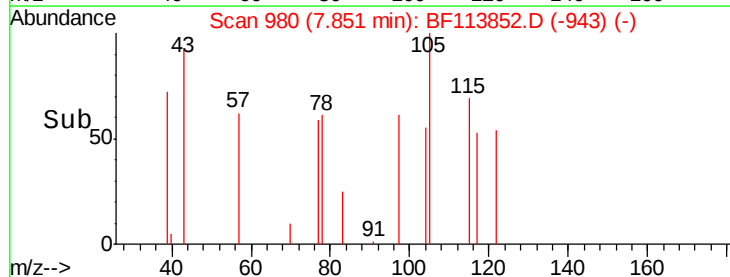
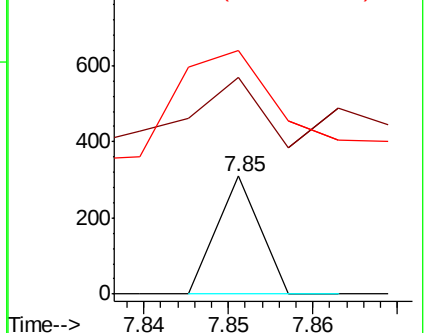
77 206.8 70.4 110.4#

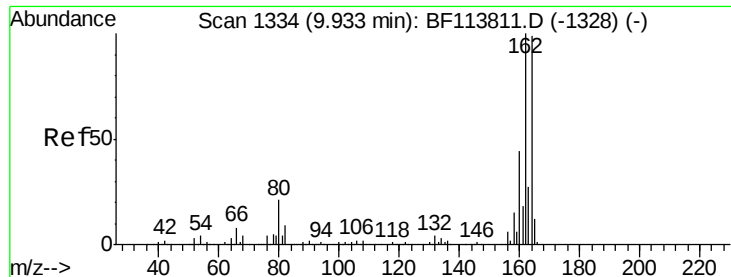


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

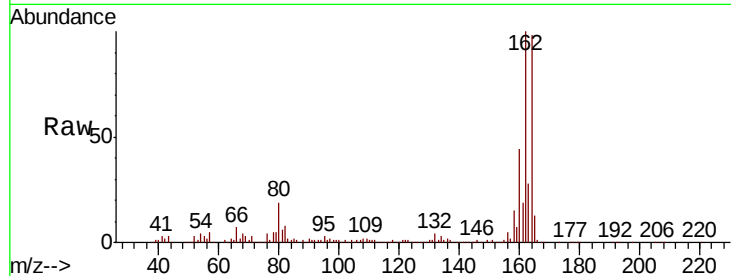




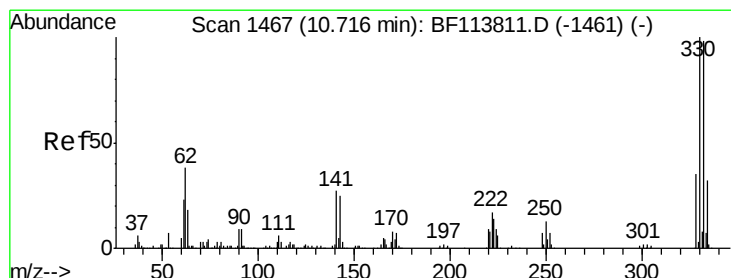
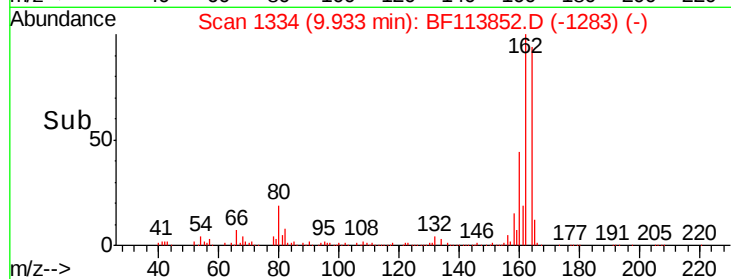
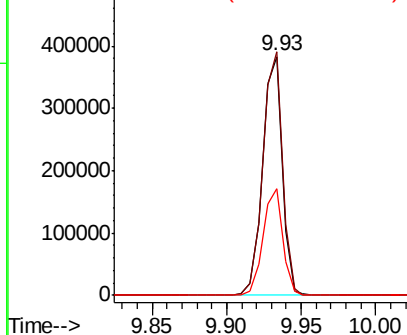
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tgt Ion:164 Resp: 342631
Ion Ratio Lower Upper
164 100
162 102.1 81.1 121.7
160 44.5 35.8 53.6

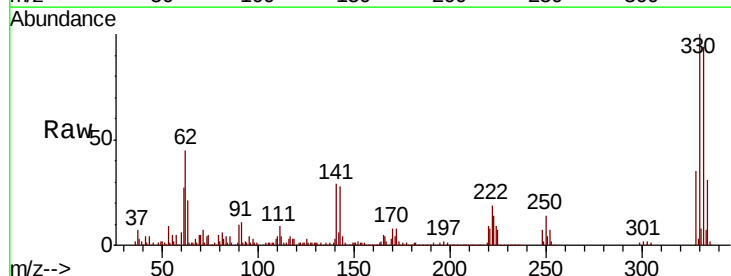


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

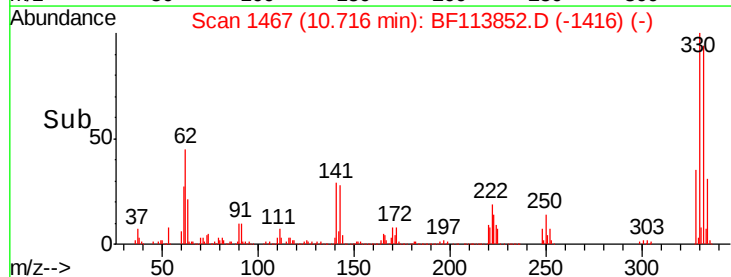
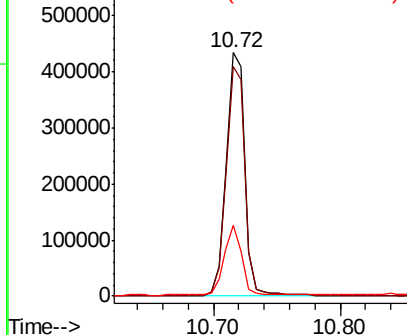


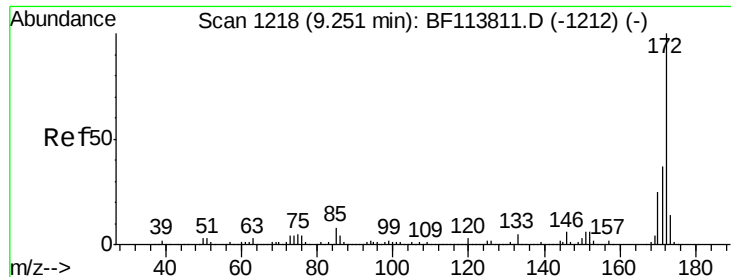
#42
2,4,6-Tribromophenol
Concen: 116.467 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

Tgt Ion:330 Resp: 440881
Ion Ratio Lower Upper
330 100
332 96.0 77.5 116.3
141 26.6 22.2 33.2



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

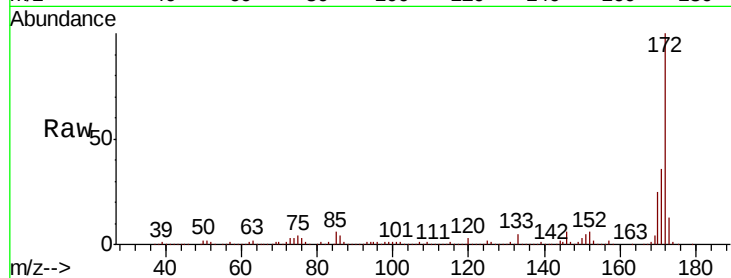




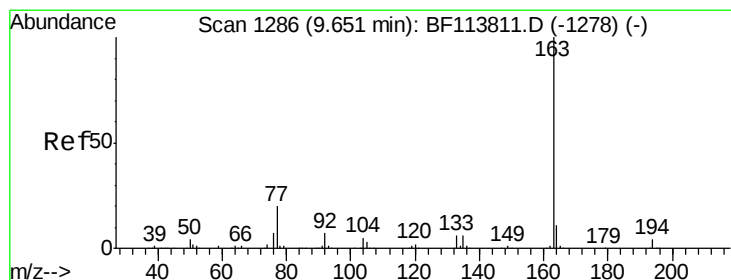
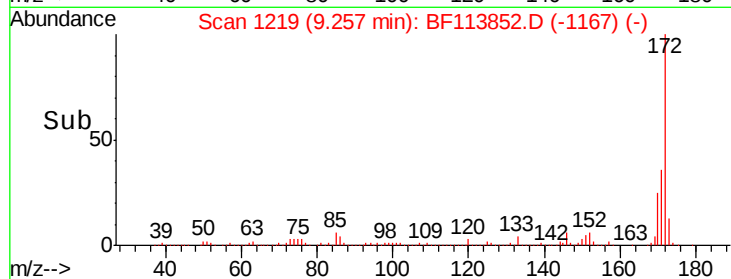
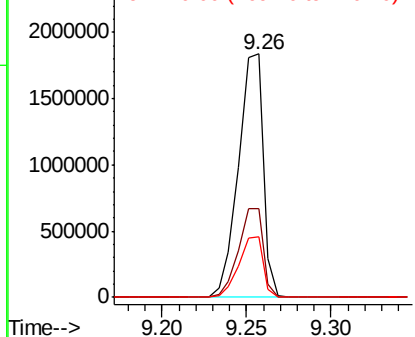
#45
2-Fluorobiphenyl
Concen: 84.235 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

Instrument :
BNA_F
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Tgt Ion:172 Resp: 1892505
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.7 19.9 29.9

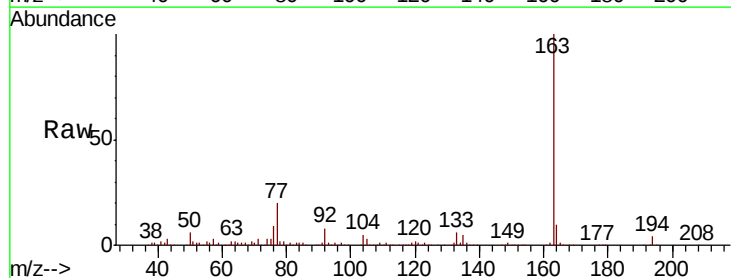


Abundance Ion 172.00 (171.70 to 172.70): E
2500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

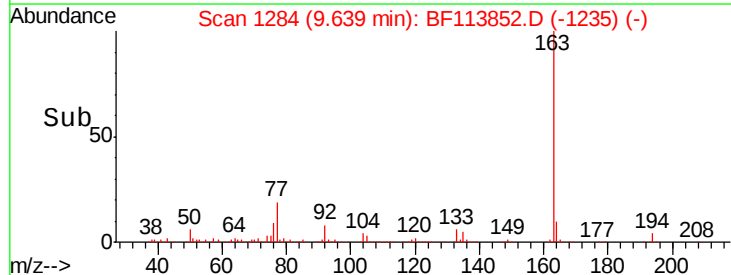
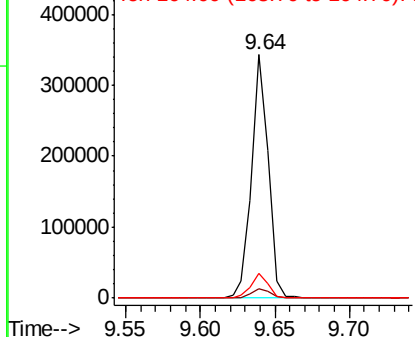


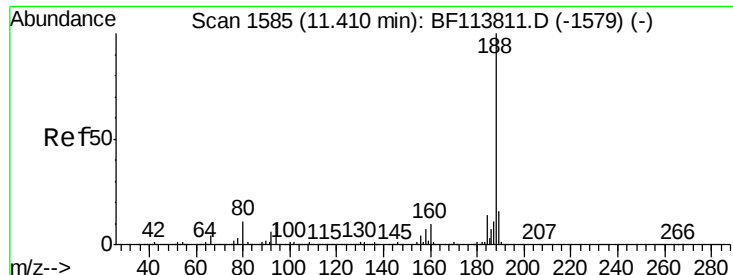
#50
Dimethylphthalate
Concen: 10.964 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

Tgt Ion:163 Resp: 262898
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.3 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
400000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

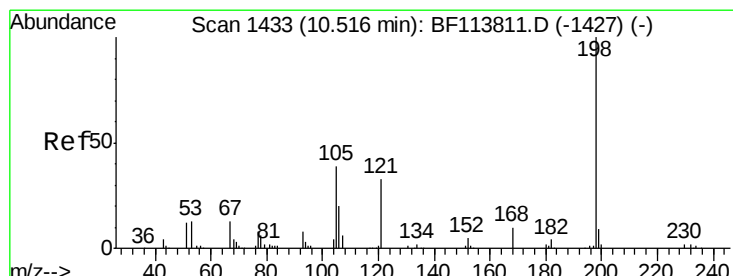
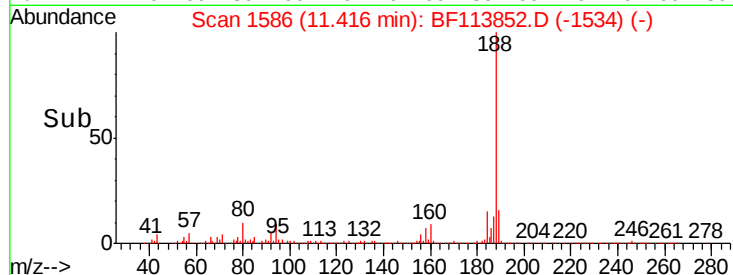
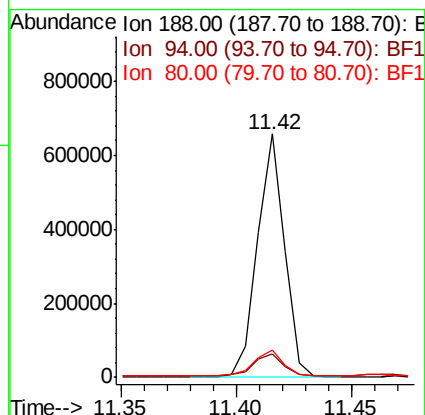
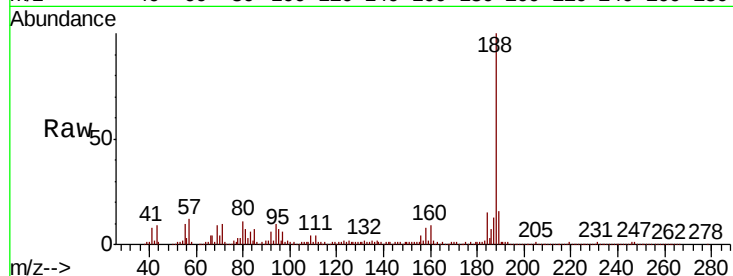




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

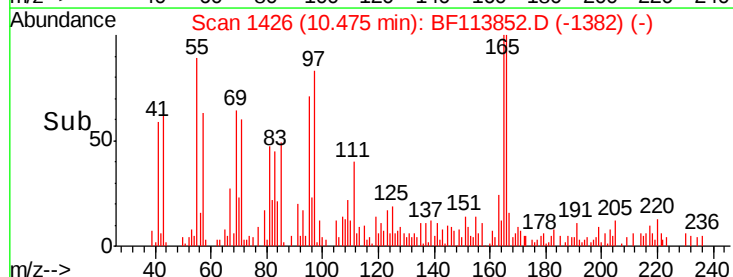
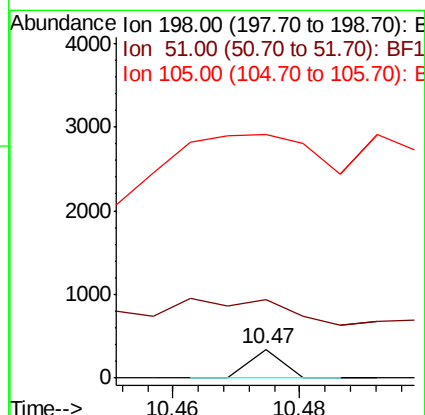
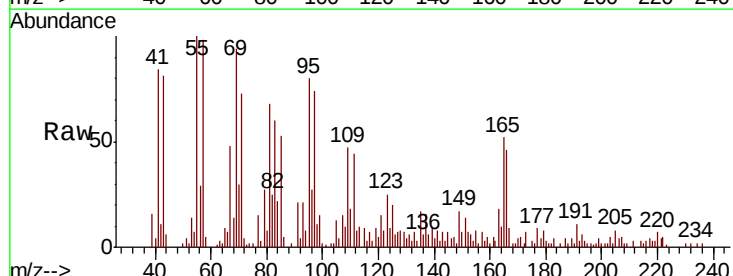
Instrument :
BNA_F
ClientSampleId :
OILY-STONES

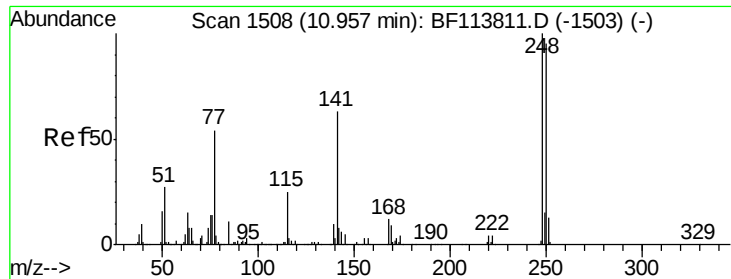
Tgt Ion:188 Resp: 537973
Ion Ratio Lower Upper
188 100
94 9.7 8.2 12.4
80 11.0 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 6.974 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.04 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

Tgt Ion:198 Resp: 121
Ion Ratio Lower Upper
198 100
51 271.2 11.1 51.1#
105 845.6 20.7 60.7#

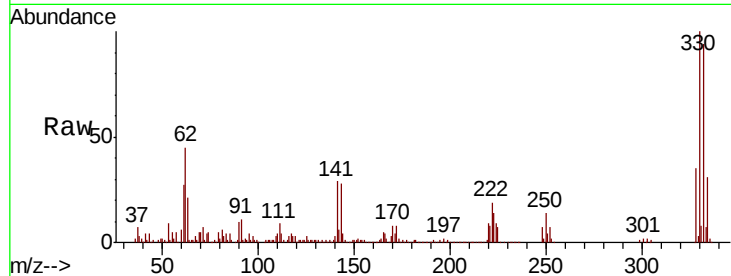




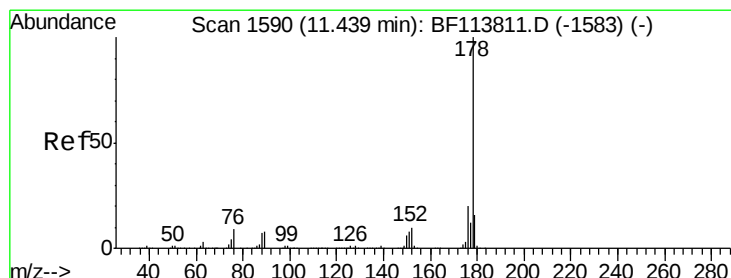
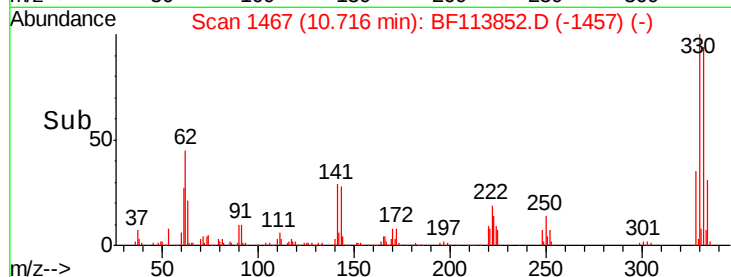
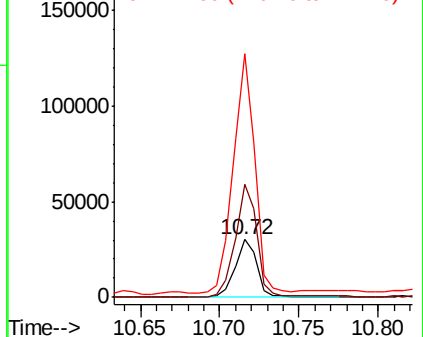
#67
 4-Bromophenyl-phenylether
 Concen: 4.609 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF113852.D
 Acq: 19 Apr 2019 12:18

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Tgt Ion:248 Resp: 29120
 Ion Ratio Lower Upper
 248 100
 250 197.5 75.8 113.6#
 141 424.2 50.2 75.4#

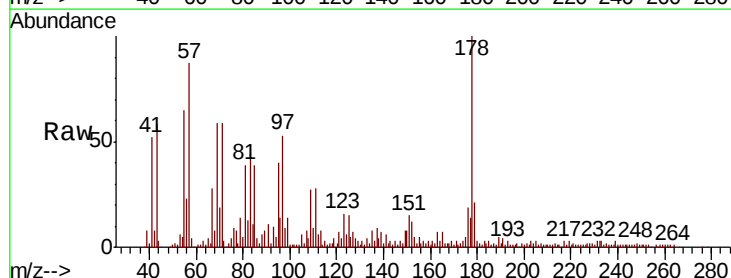


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

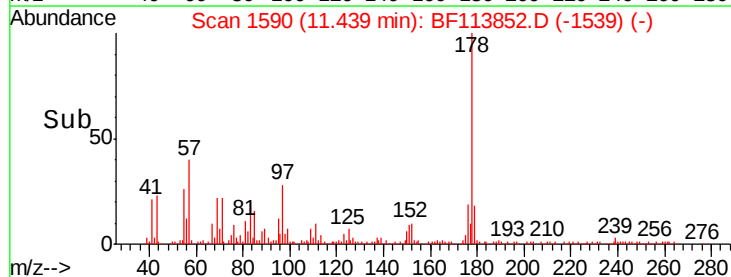
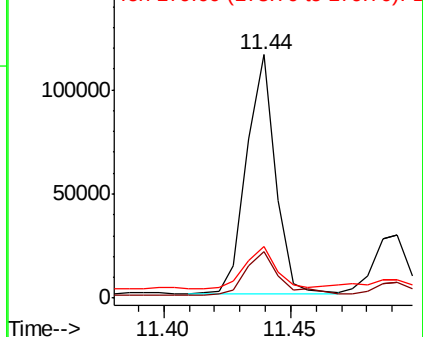


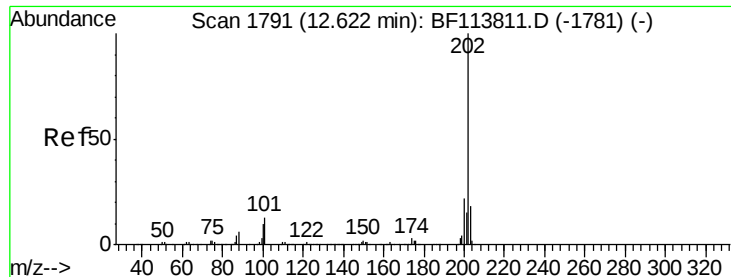
#71
 Phenanthrene
 Concen: 3.329 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BF113852.D
 Acq: 19 Apr 2019 12:18

Tgt Ion:178 Resp: 91209
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.1 24.1
 179 21.1 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.216 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

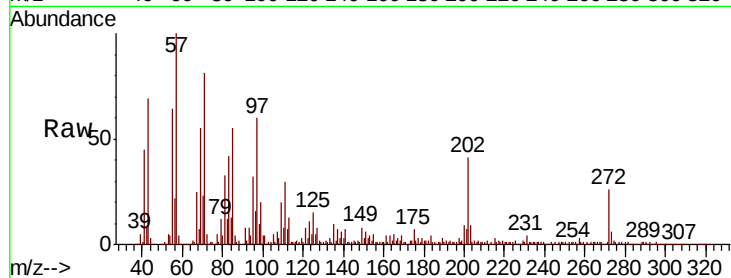
Tgt Ion:202 Resp: 151473

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.9

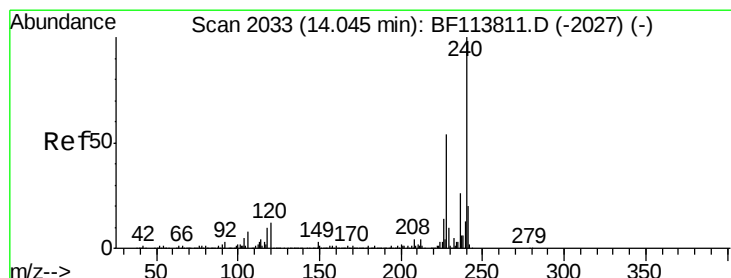
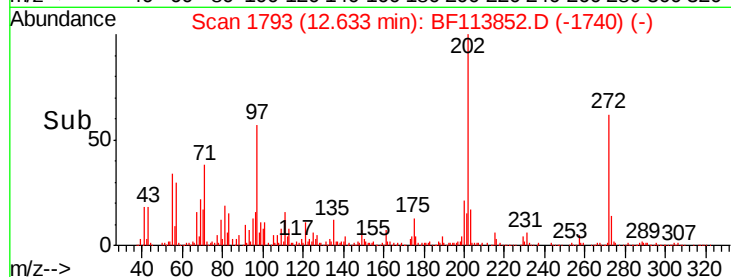
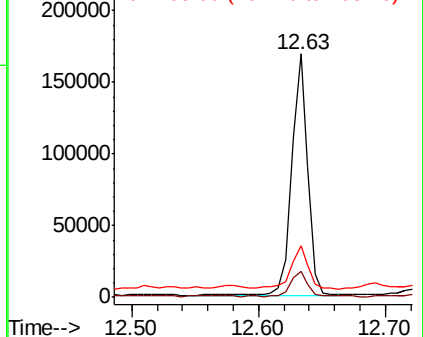
203 21.1 0.0 38.2



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: 14.06 min Scan# 2036

Delta R.T. 0.02 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

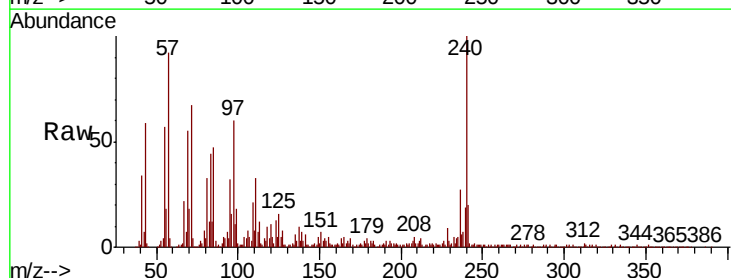
Tgt Ion:240 Resp: 412999

Ion Ratio Lower Upper

240 100

120 11.4 9.3 13.9

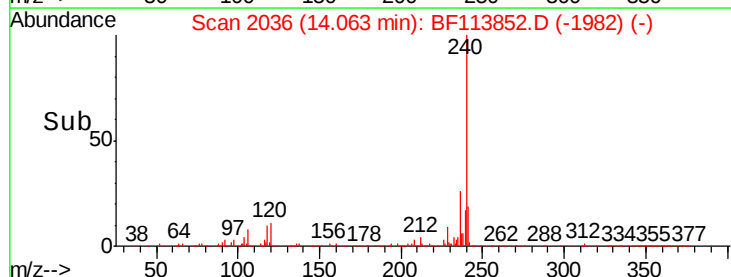
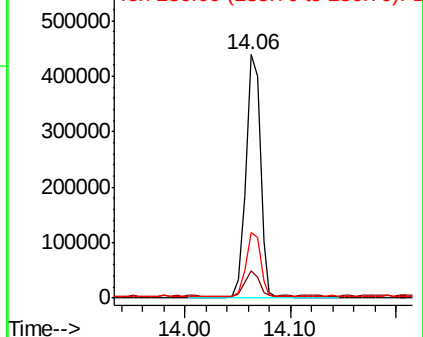
236 26.9 21.2 31.8

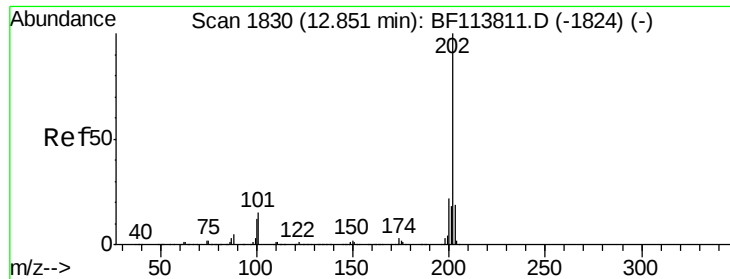


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

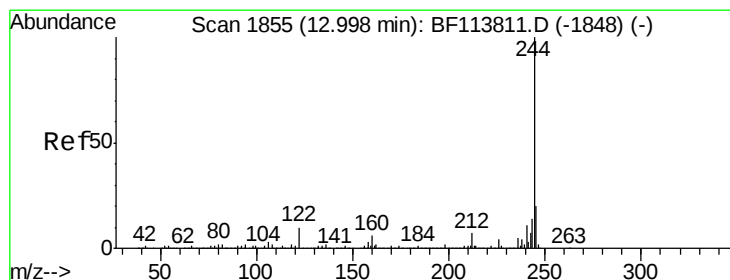
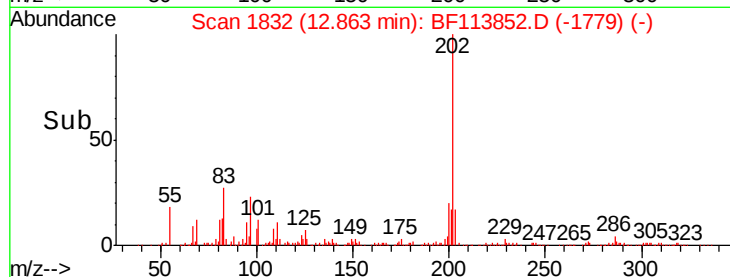
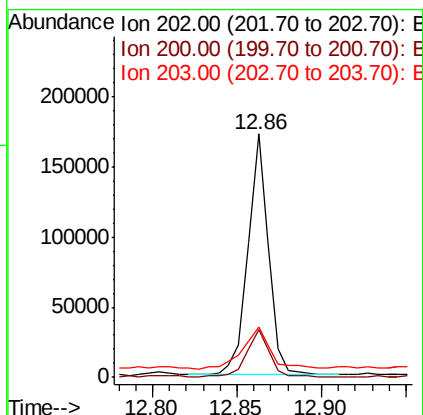
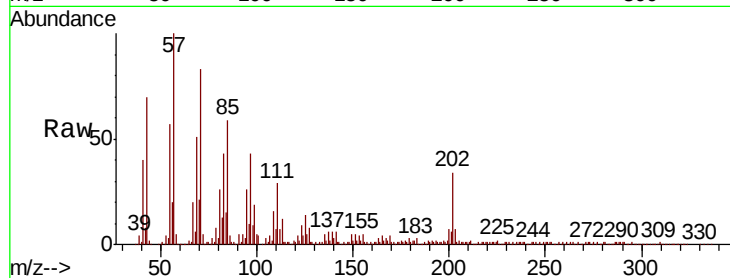




#78
Pyrene
Concen: 5.050 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

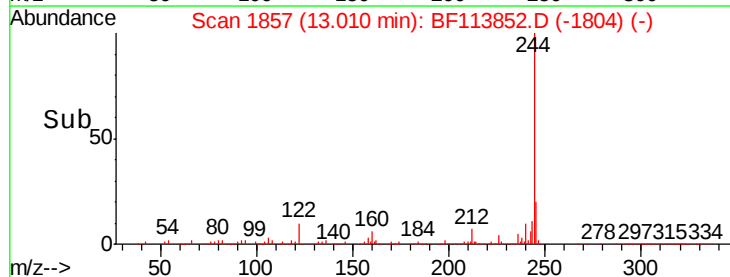
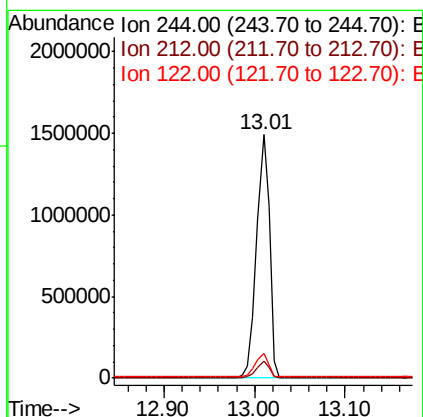
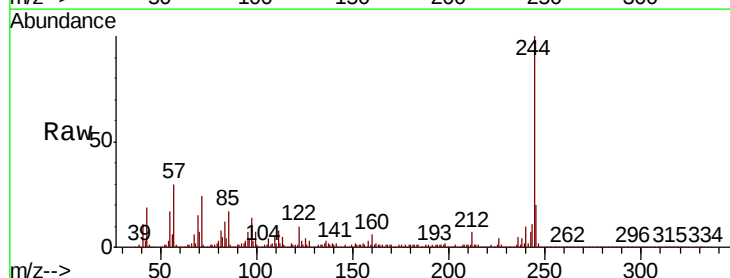
Instrument :
BNA_F
ClientSampleId :
OILY-STONES

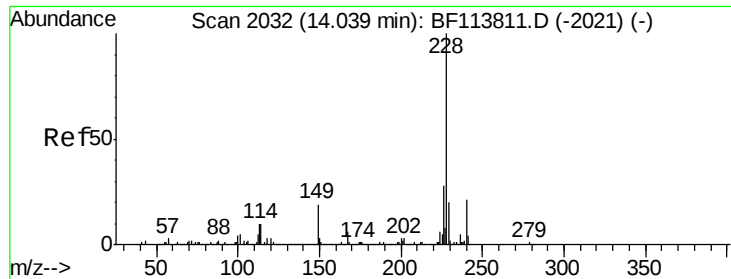
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.7	26.5
203	20.9	15.0	22.6



#79
Terphenyl-d14
Concen: 73.552 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.2	7.6	11.4

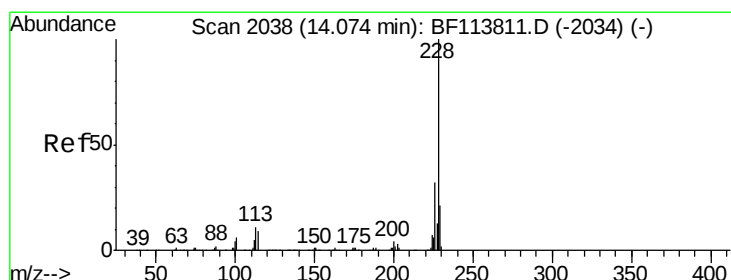
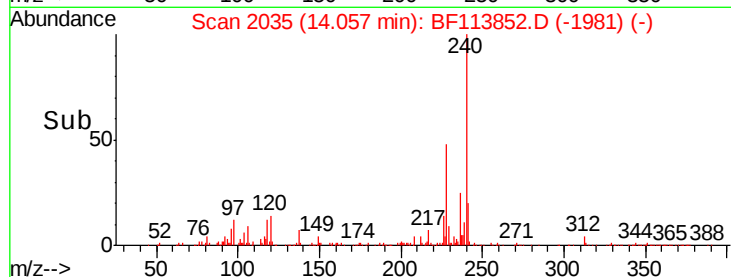
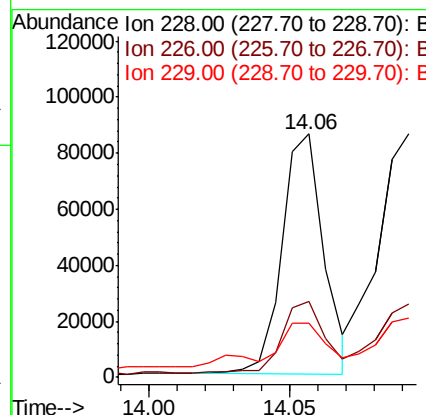
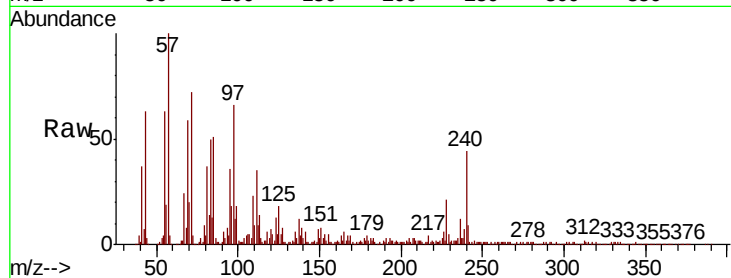




#81
Benzo(a)anthracene
Concen: 3.624 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

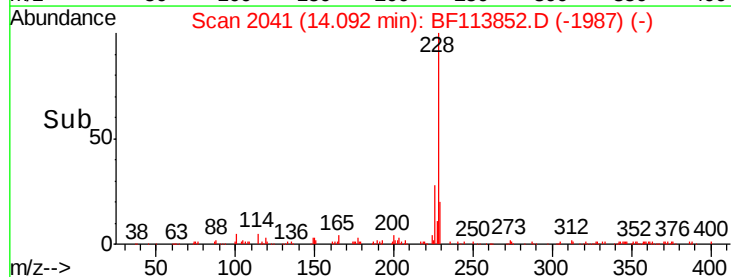
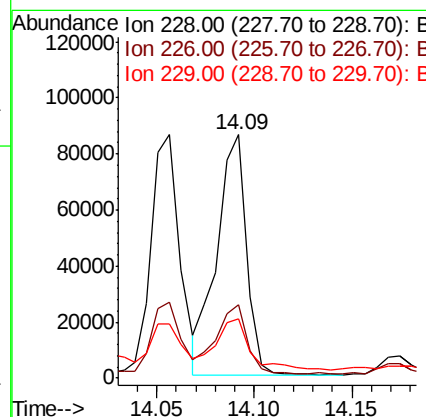
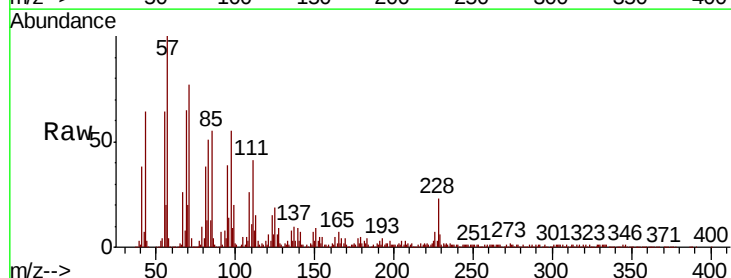
Instrument :
BNA_F
ClientSampleId :
OILY-STONES

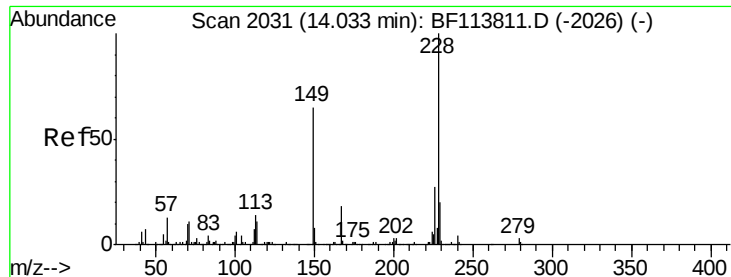
Tgt Ion:228 Resp: 87492
Ion Ratio Lower Upper
228 100
226 31.2 22.2 33.2
229 22.1 16.0 24.0



#83
Chrysene
Concen: 3.792 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

Tgt Ion:228 Resp: 90869
Ion Ratio Lower Upper
228 100
226 30.0 25.2 37.8
229 24.2 16.7 25.1

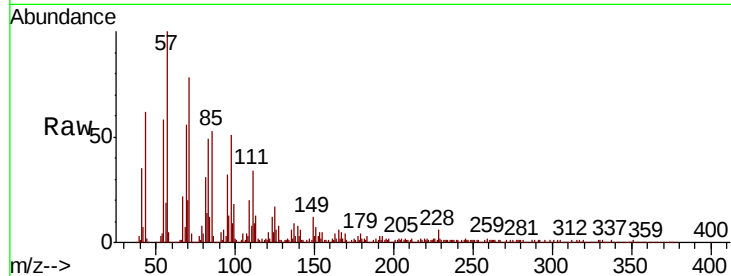




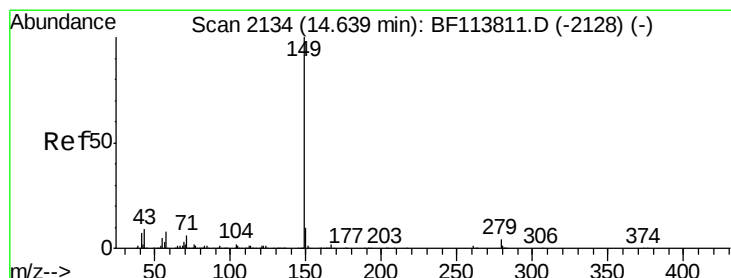
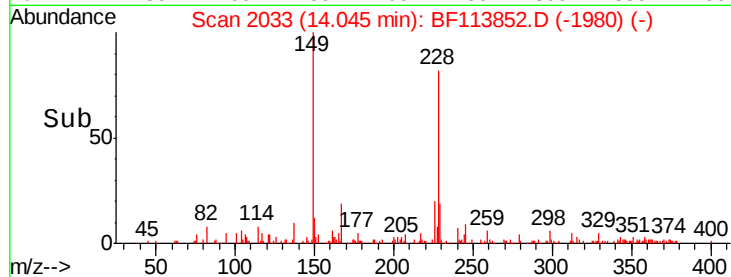
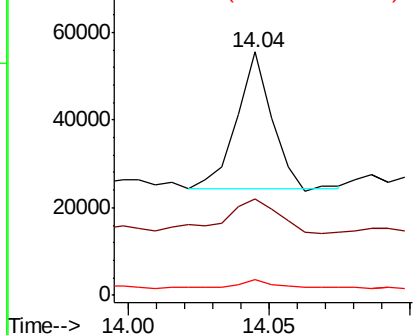
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.076 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF113852.D
 Acq: 19 Apr 2019 12:18

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Tgt Ion:149 Resp: 26777
 Ion Ratio Lower Upper
 149 100
 167 39.7 22.9 34.3#
 279 6.3 4.2 6.2#

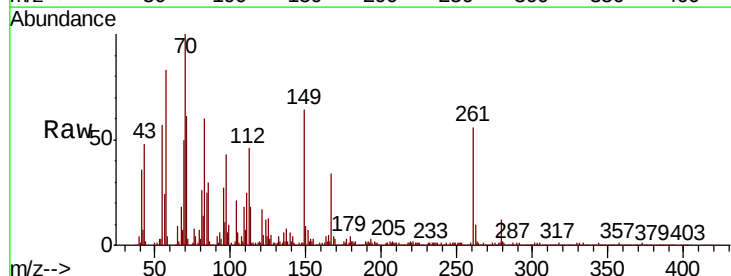


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

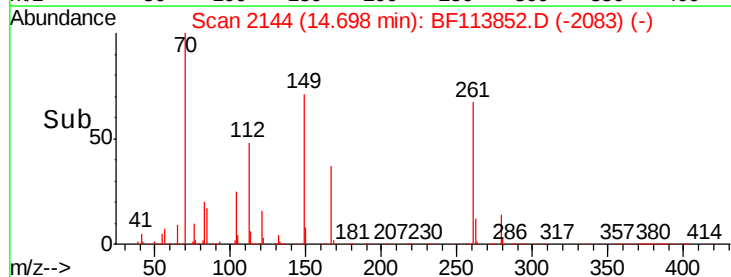
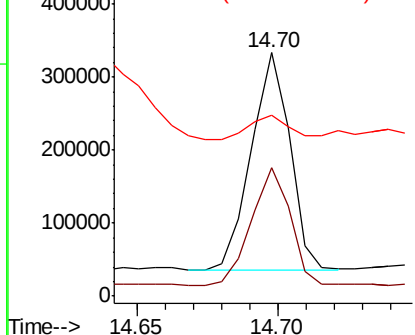


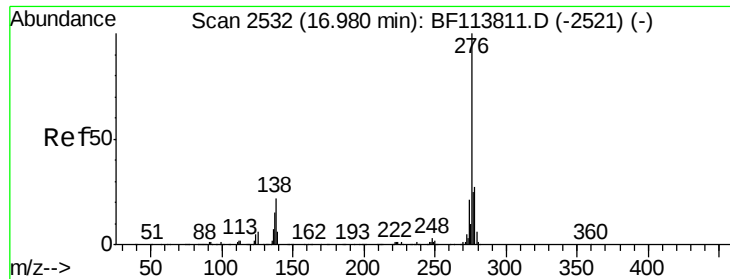
#85
 Di-n-octyl phthalate
 Concen: 14.088 ng
 RT: 14.70 min Scan# 2144
 Delta R.T. 0.06 min
 Lab File: BF113852.D
 Acq: 19 Apr 2019 12:18

Tgt Ion:149 Resp: 281957
 Ion Ratio Lower Upper
 149 100
 167 55.0 1.3 1.9#
 43 12.3 6.6 10.0#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF1





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.694 ng

RT: 17.02 min Scan# 2539

Delta R.T. 0.04 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

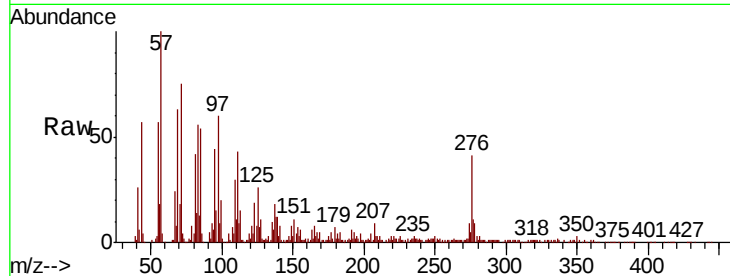
Tgt Ion:276 Resp: 72266

Ion Ratio Lower Upper

276 100

138 19.6 19.6 29.4

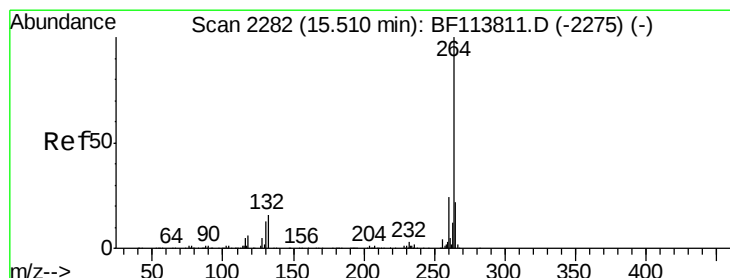
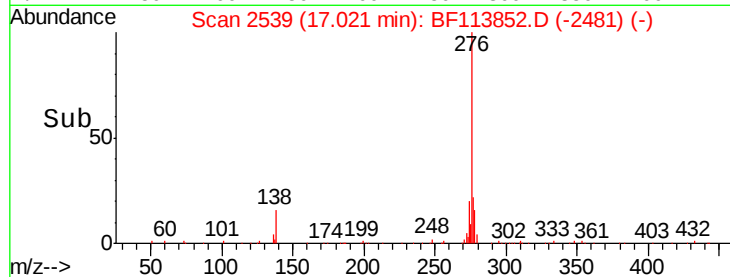
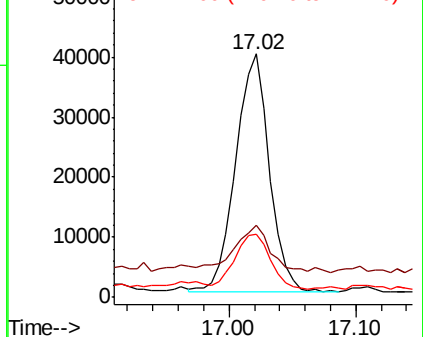
277 25.0 20.2 30.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.04 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

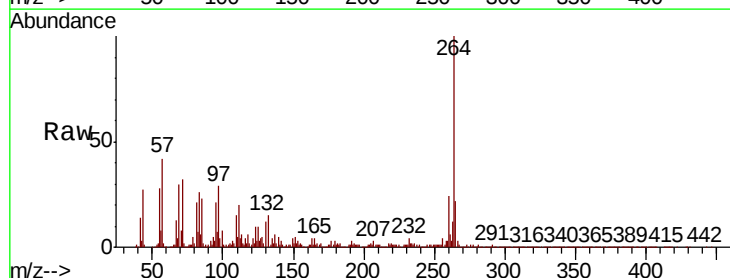
Tgt Ion:264 Resp: 561051

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

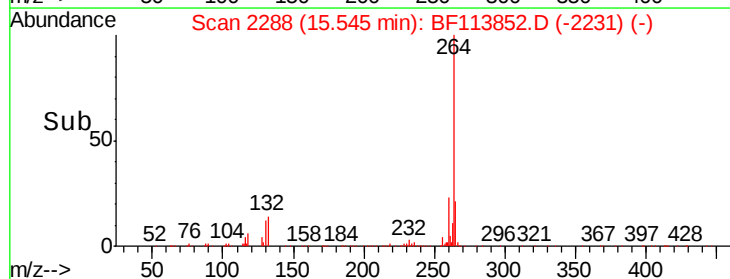
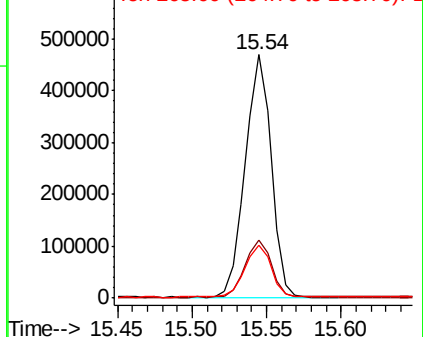
265 21.7 17.3 25.9

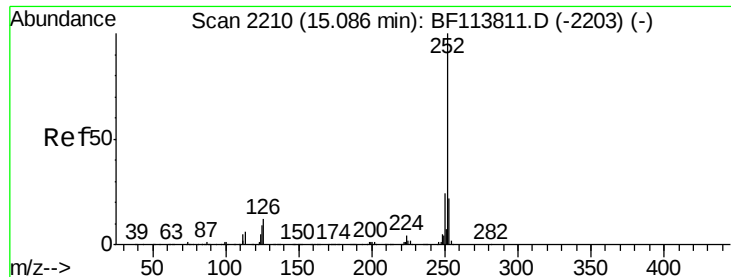


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

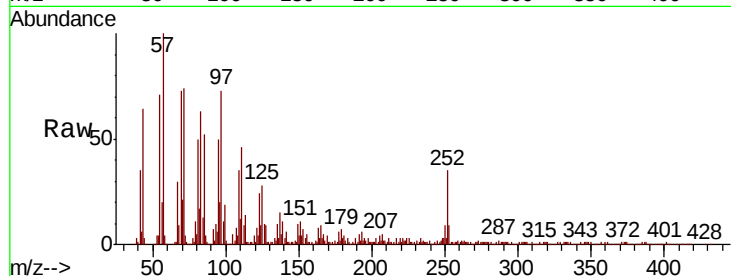




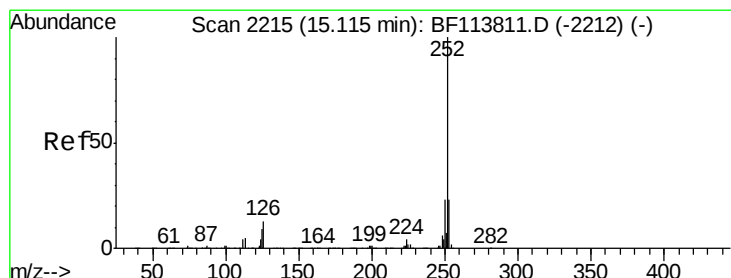
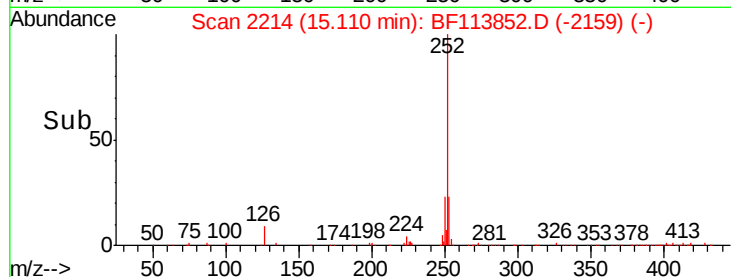
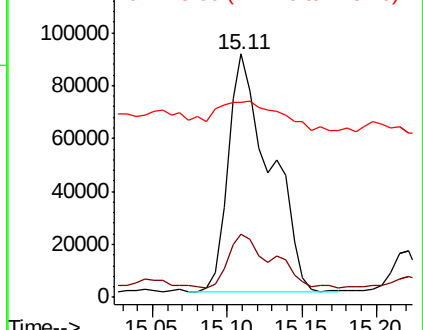
#88
Benzo(b)fluoranthene
Concen: 5.038 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tgt Ion:252 Resp: 176210
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.6
125 80.1 7.0 10.6#

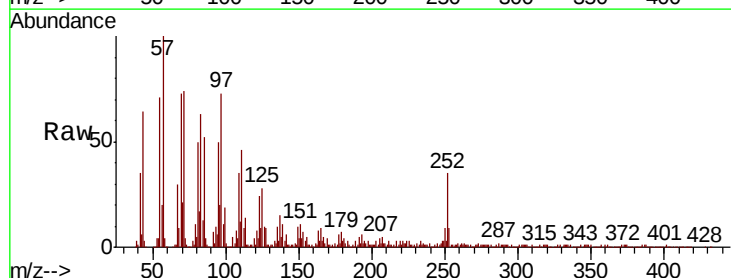


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

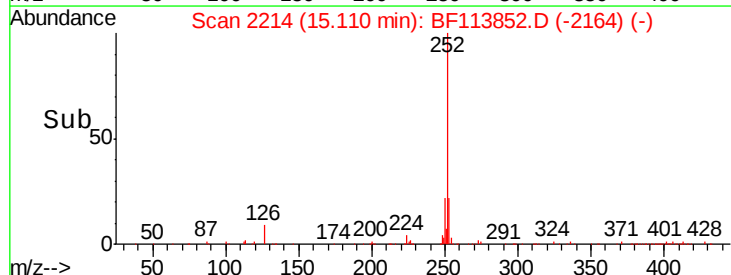
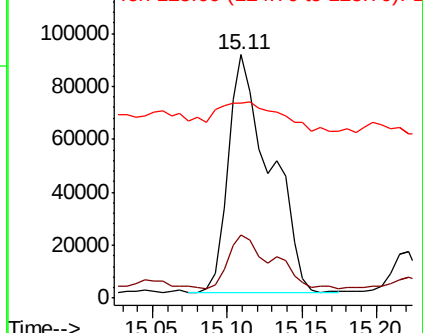


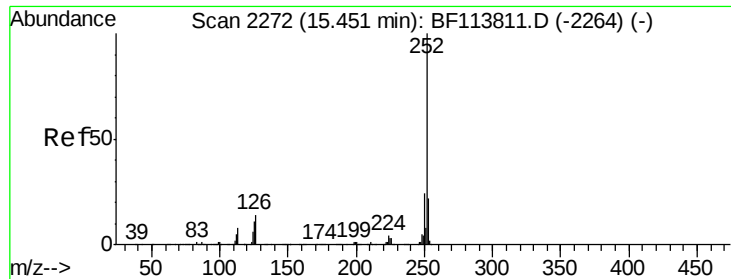
#89
Benzo(k)fluoranthene
Concen: 5.531 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF113852.D
Acq: 19 Apr 2019 12:18

Tgt Ion:252 Resp: 176210
Ion Ratio Lower Upper
252 100
253 26.1 18.2 27.2
125 80.1 7.4 11.2#



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: 3.208 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.03 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

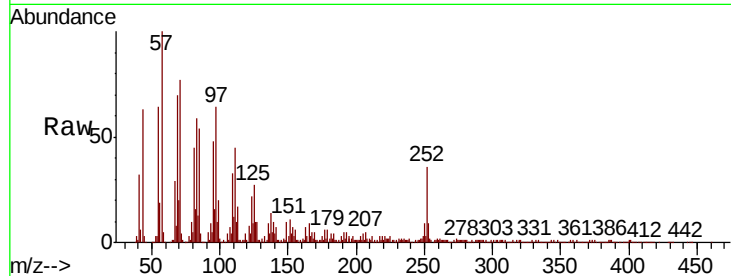
Tgt Ion:252 Resp: 99211

Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

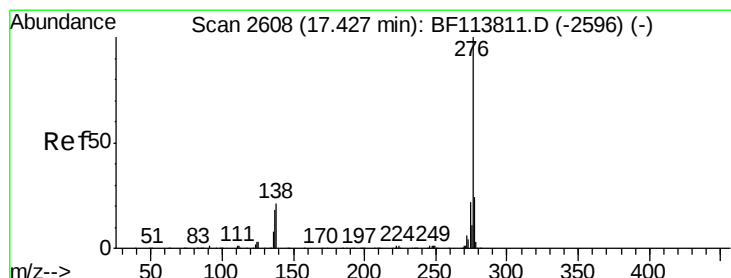
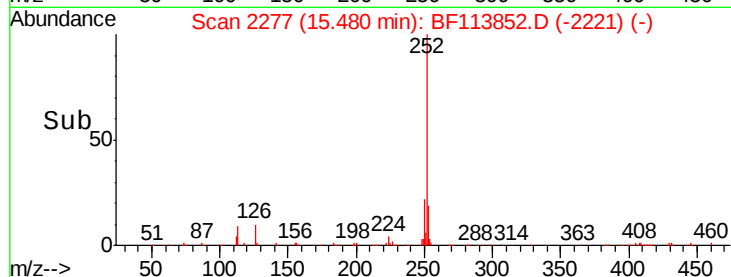
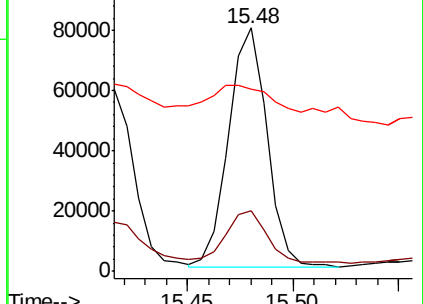
125 74.6 8.5 12.7#



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



#92

Benzo(g,h,i)perylene

Concen: 2.411 ng

RT: 17.47 min Scan# 2615

Delta R.T. 0.04 min

Lab File: BF113852.D

Acq: 19 Apr 2019 12:18

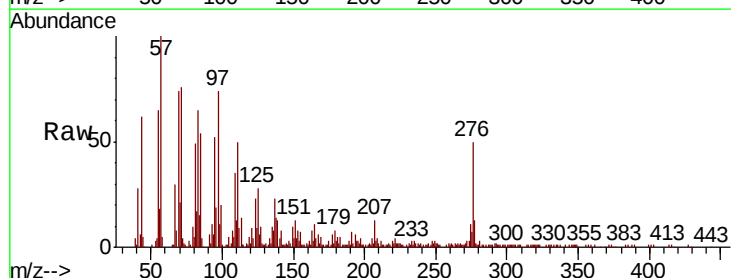
Tgt Ion:276 Resp: 67441

Ion Ratio Lower Upper

276 100

277 25.8 19.0 28.4

138 27.5 16.6 25.0#



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

