

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111898.D
 Acq On : 8 Jan 2019 1:09
 Operator : JU/SJ
 Sample : K1012-05 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 08 04:08:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	112408	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	376853	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	172069	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	379476	20.00	ng	0.00
76) Chrysene-d12	14.06	240	389477	20.00	ng	0.00
87) Perylene-d12	15.54	264	207705	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	296929	45.19	ng	0.00
7) Phenol-d6	6.53	99	328100	38.74	ng	0.00
23) Nitrobenzene-d5	7.45	82	233691	33.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	105203	47.01	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	366114	31.03	ng	0.00
79) Terphenyl-d14	13.00	244	425258	20.73	ng	0.00

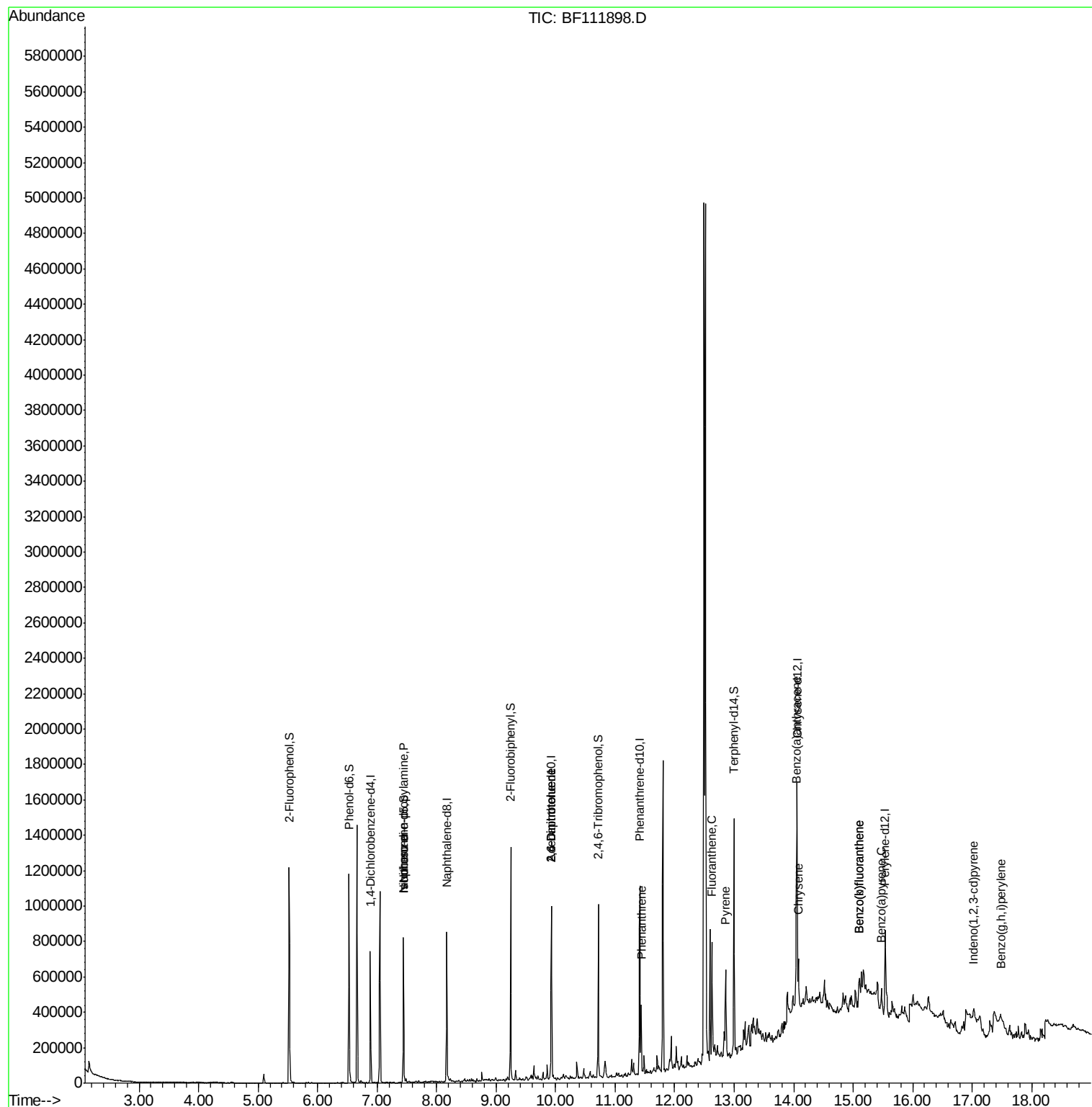
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	665	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.45	70	32325	5.875	ng	# 79
25) Isophorone	7.45	82	233689	20.467	ng	# 65
51) 2,6-Dinitrotoluene	9.93	165	22335	7.727	ng	# 26
57) 2,4-Dinitrotoluene	9.93	165	22335	5.980	ng	# 26
71) Phenanthrene	11.44	178	137684	6.786	ng	98
75) Fluoranthene	12.63	202	235806	11.322	ng	100
78) Pyrene	12.86	202	190822	7.121	ng	98
81) Benzo(a)anthracene	14.04	228	120303	5.367	ng	98
83) Chrysene	14.08	228	103385	4.837	ng	96
86) Indeno(1,2,3-cd)pyrene	17.03	276	42530	2.730	ng	95
88) Benzo(b)fluoranthene	15.10	252	123536	9.943	ng	# 92
89) Benzo(k)fluoranthene	15.10	252	123536	10.578	ng	# 93
90) Benzo(a)pyrene	15.47	252	61960	5.672	ng	# 92
92) Benzo(a,h,i)perylene	17.48	276	39143	4.555	ng	96

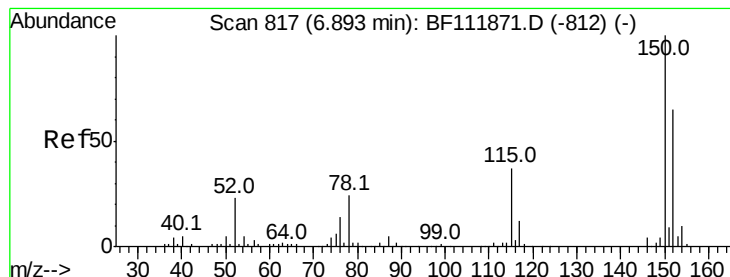
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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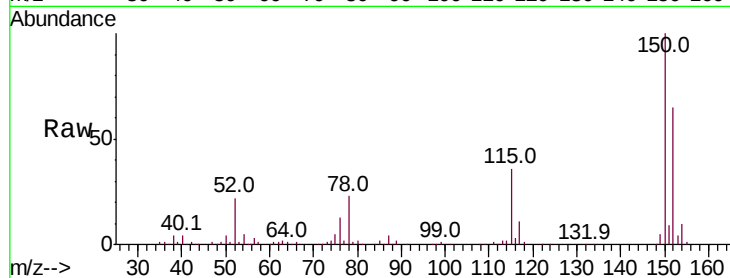


#1

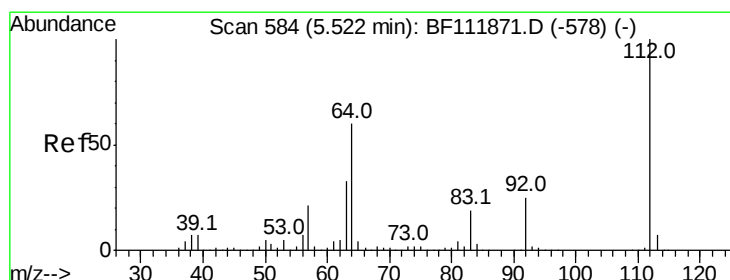
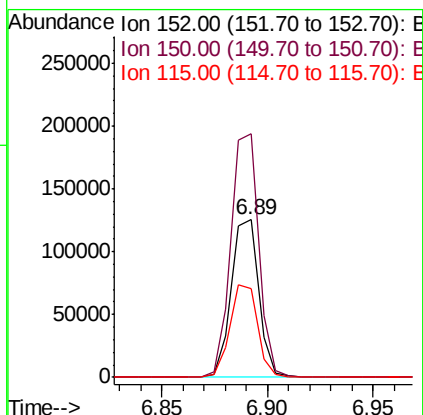
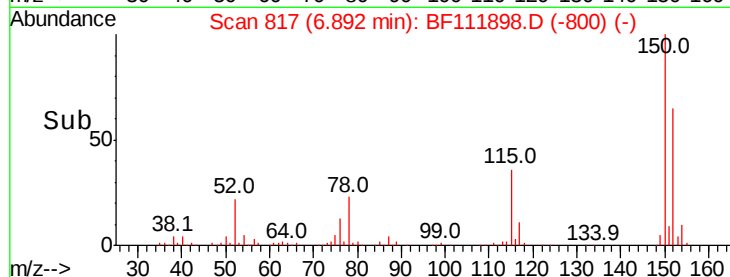
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 112408
Ion Ratio Lower Upper
152 100
150 154.7 122.7 184.1
115 56.2 45.2 67.8



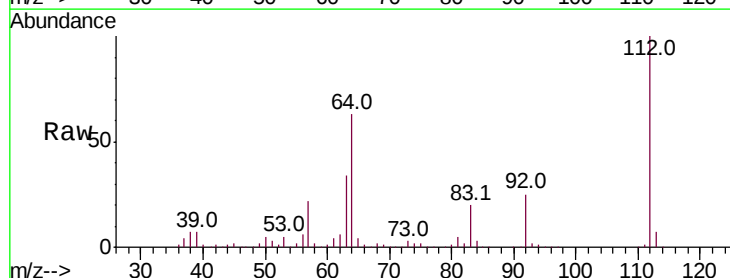
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



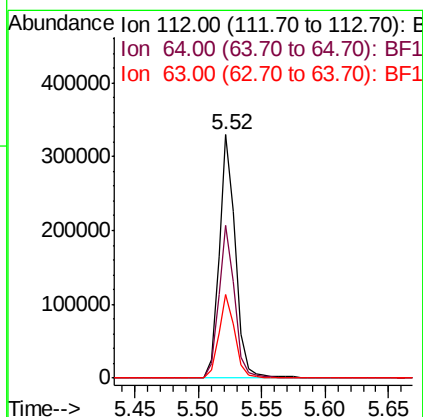
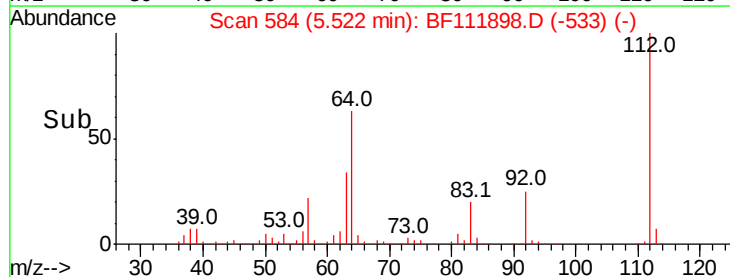
#5

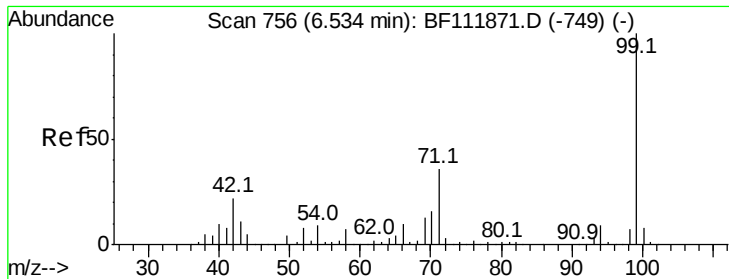
2-Fluorophenol
Concen: 45.192 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Tgt Ion:112 Resp: 296929
Ion Ratio Lower Upper
112 100
64 62.7 48.3 72.5
63 34.5 26.1 39.1



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: 38.744 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Instrument :

BNA_F

ClientSampleId :

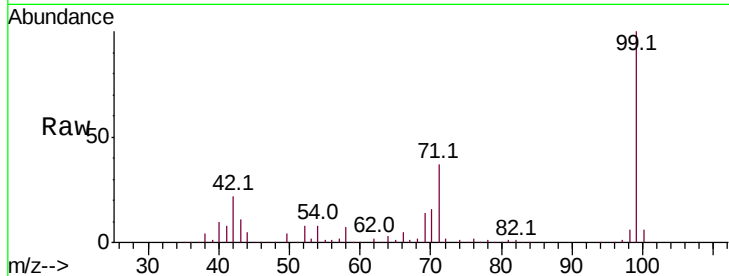
Tot Ion: 99 Resp: 328100

Ion Ratio Lower Upper

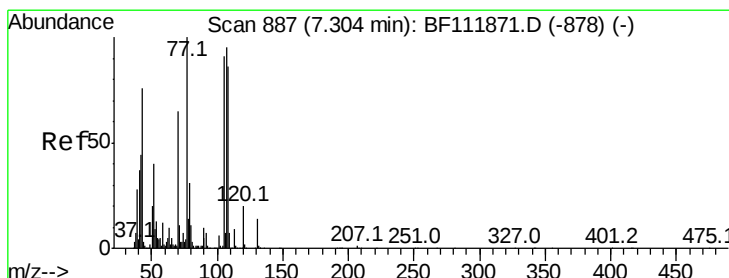
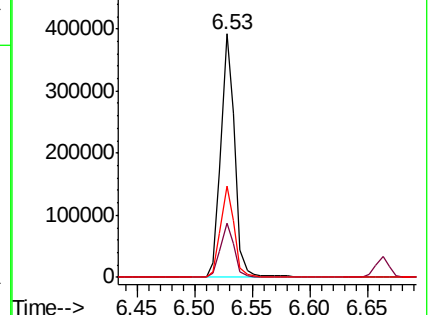
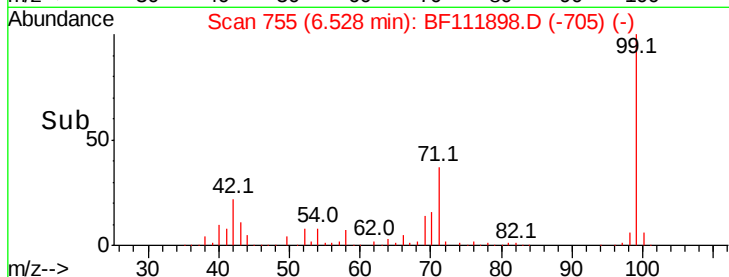
99 100

42 22.5 17.9 26.9

71 37.5 28.7 43.1



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: 5.875 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Tgt Ion: 70 Resp: 32325

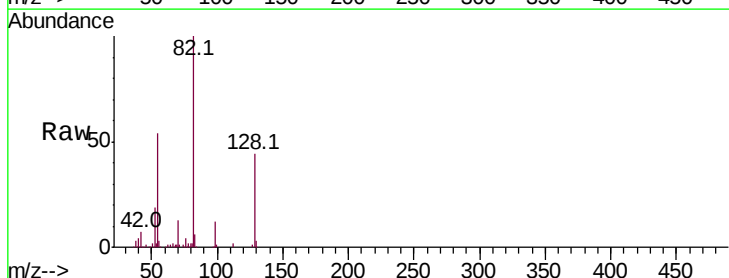
Ion Ratio Lower Upper

70 100

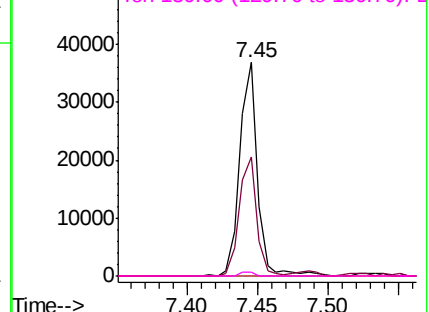
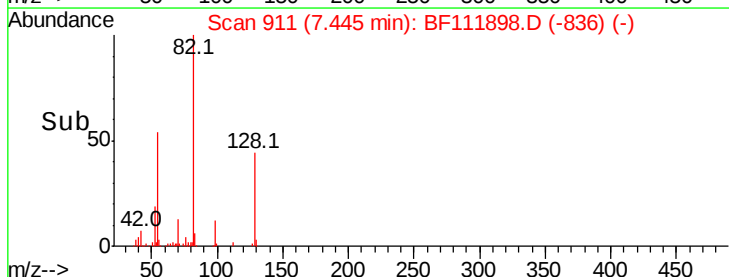
42 55.5 53.6 80.4

101 0.0 7.3 10.9#

130 1.8 16.8 25.2#



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# 1034

Delta R.T. -0.01 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 376853

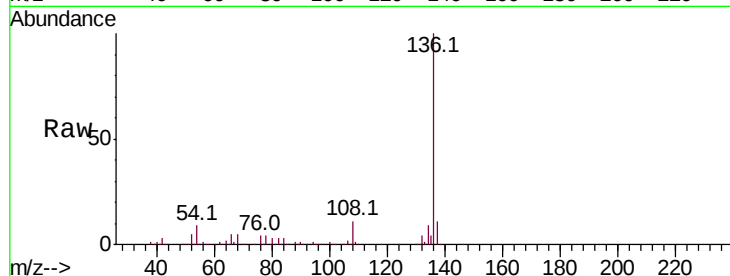
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 9.4 7.2 10.8

68 5.0 4.4 6.6

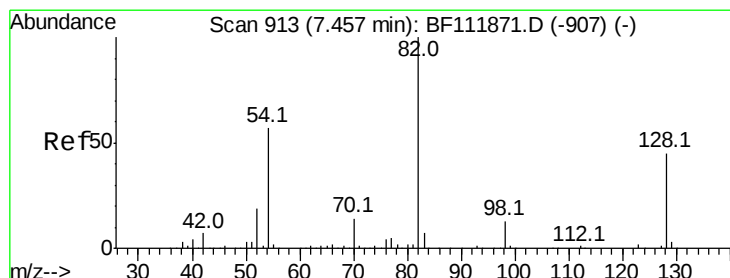
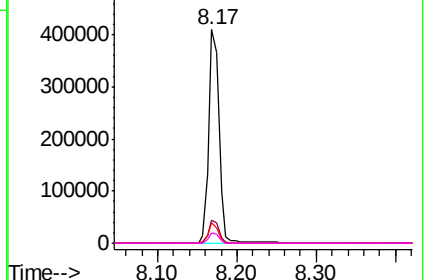
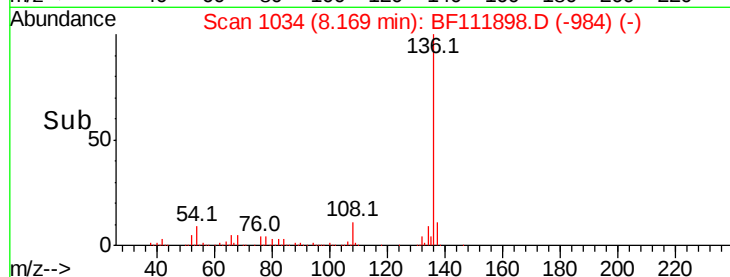


Abundance Ion 136.00 (135.70 to 136.70): E

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: 33.142 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

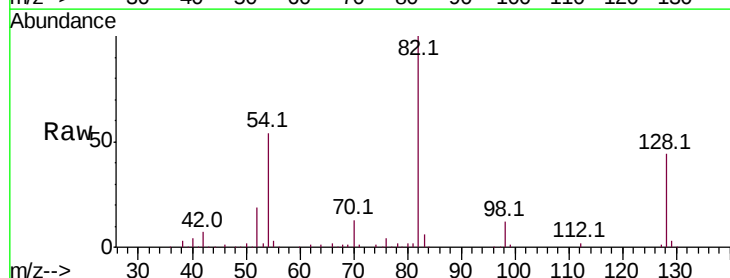
Tgt Ion: 82 Resp: 233691

Ion Ratio Lower Upper

82 100

128 44.5 35.7 53.5

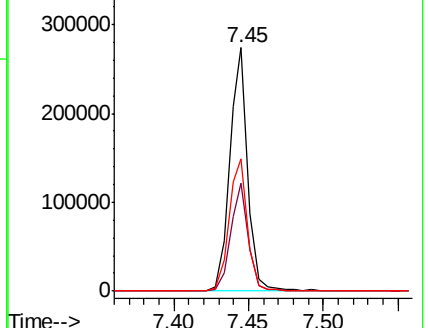
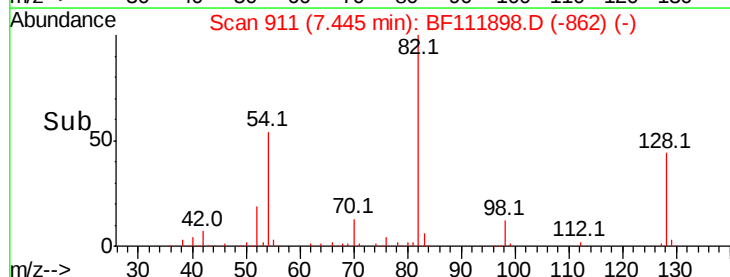
54 54.3 45.8 68.8

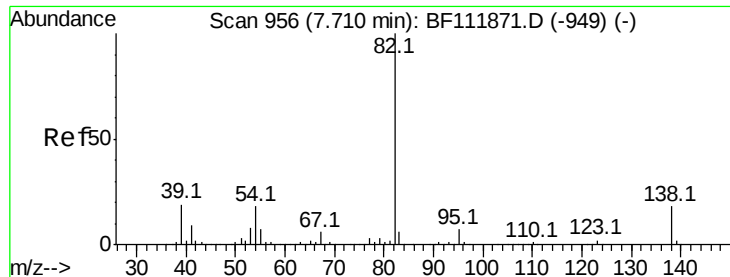


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 20.467 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Instrument :

BNA_F

ClientSampleId :

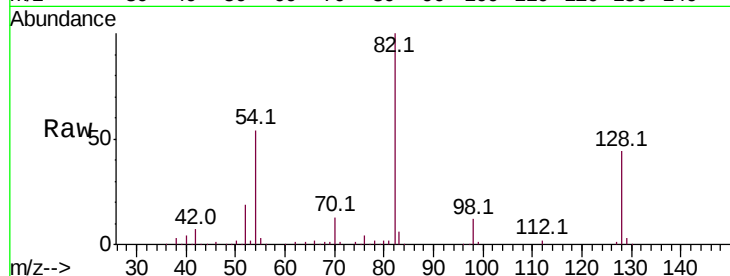
Tot Ion: 82 Resp: 233689

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

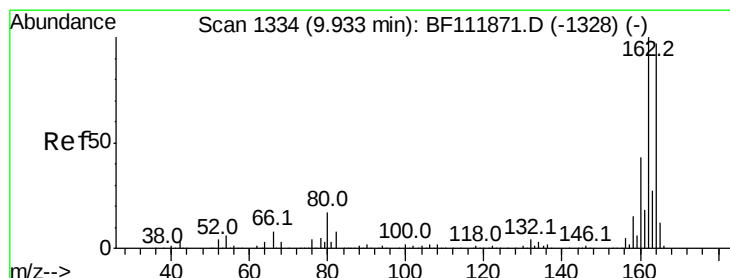
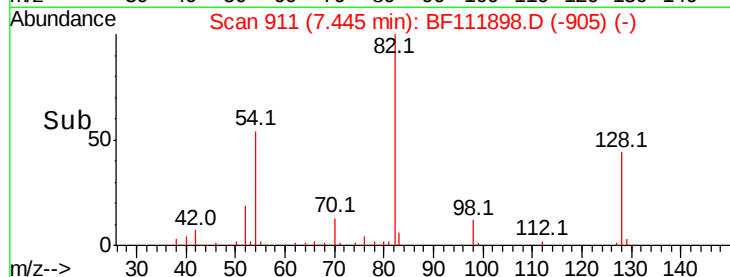
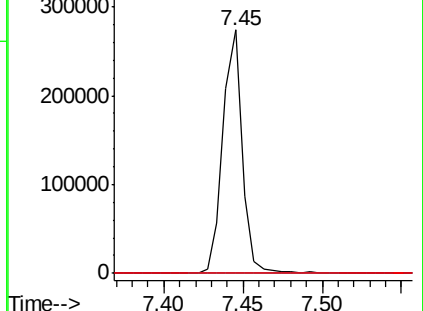
138 0.0 14.4 21.6#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

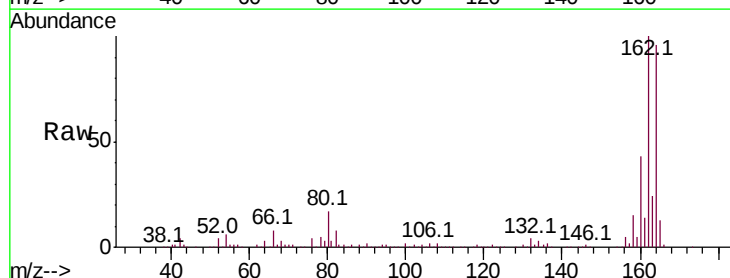
Tgt Ion:164 Resp: 172069

Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.2

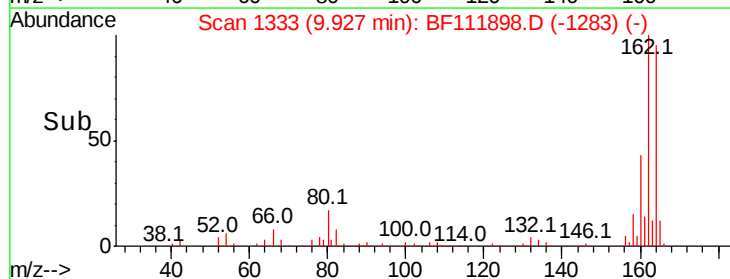
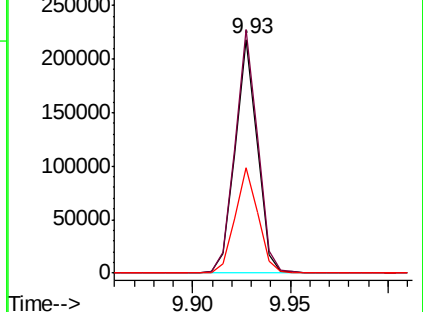
160 45.2 35.5 53.3

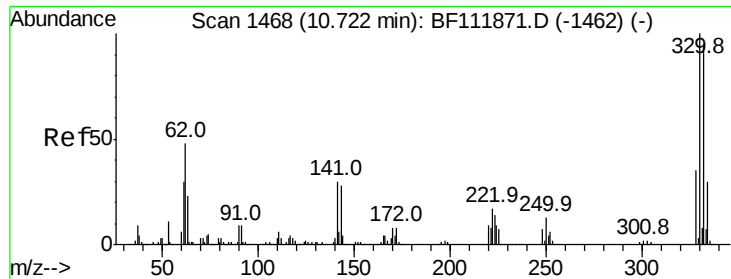


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

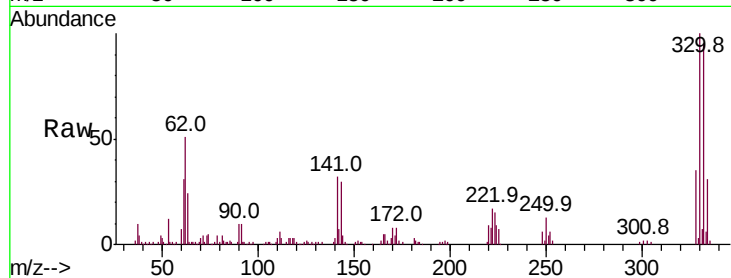




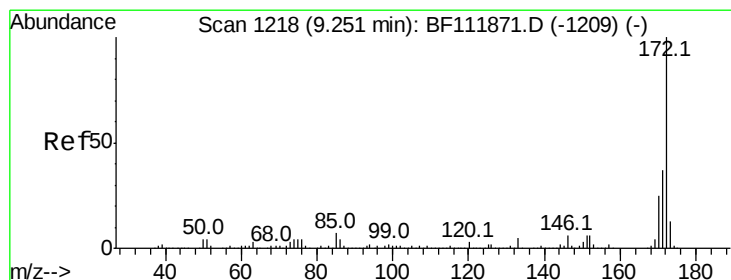
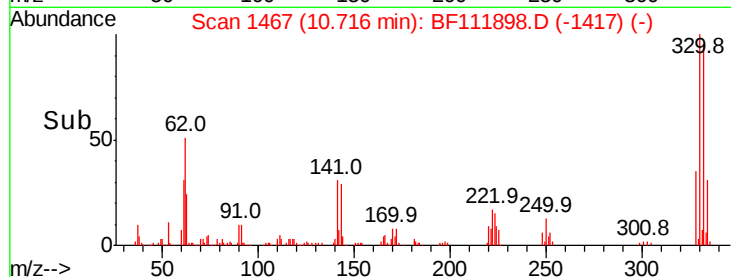
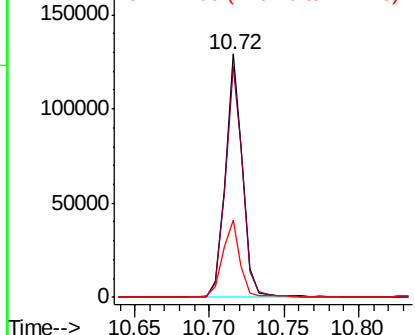
#42
 2,4,6-Tribromophenol
 Concen: 47.006 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111898.D
 Acq: 8 Jan 2019 1:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 105203
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.9 115.3
 141 32.8 23.7 35.5

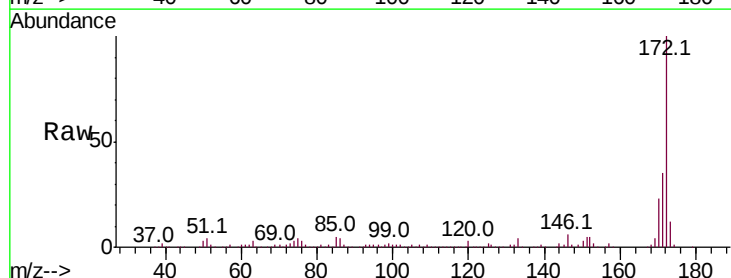


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

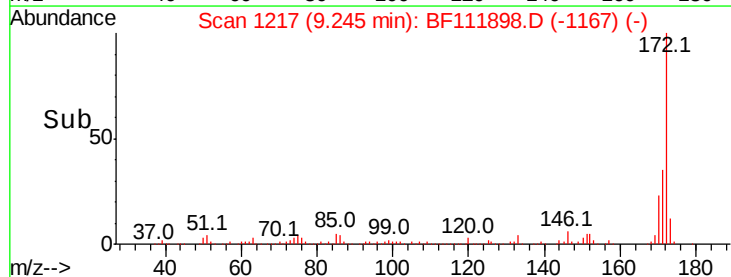
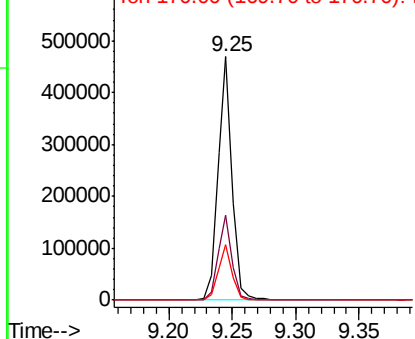


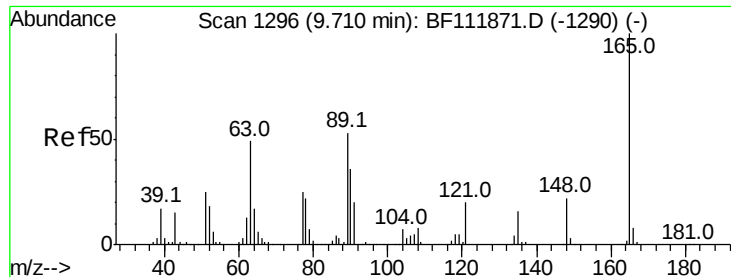
#45
 2-Fluorobiphenyl
 Concen: 31.026 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111898.D
 Acq: 8 Jan 2019 1:09

Tgt Ion:172 Resp: 366114
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.6 44.4
 170 22.7 19.8 29.8



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

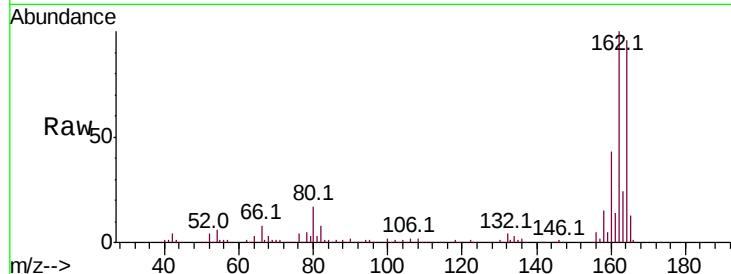




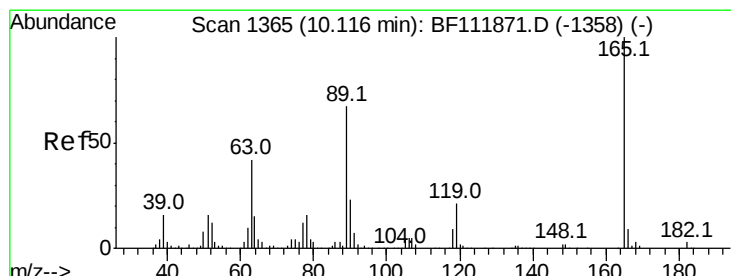
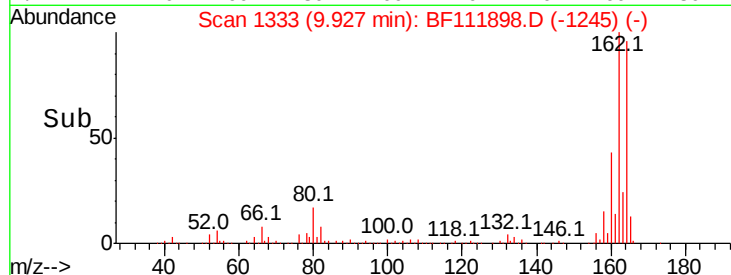
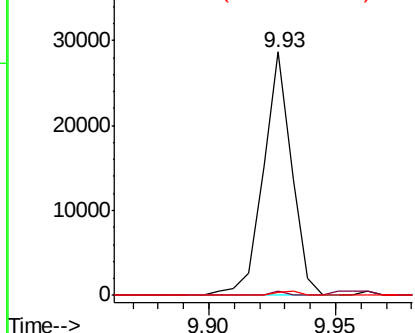
#51
 2,6-Dinitrotoluene
 Concen: 7.727 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF111898.D
 Acq: 8 Jan 2019 1:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	46.2	69.2#
89	1.1	42.2	63.2#

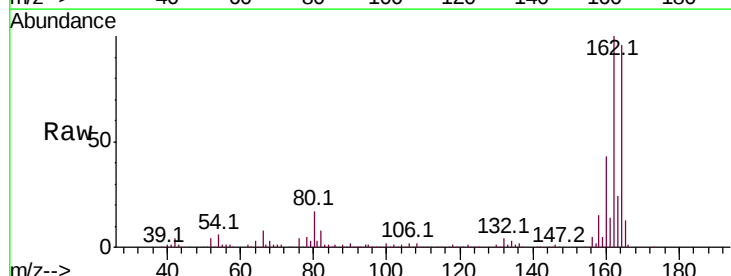


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

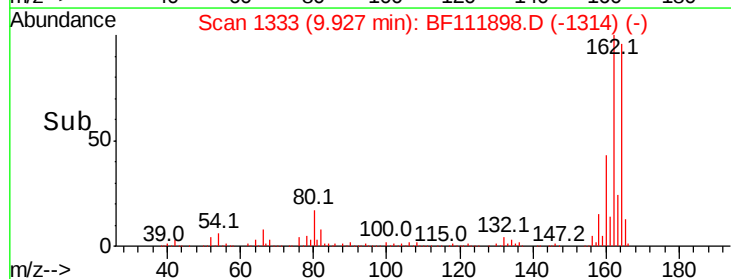
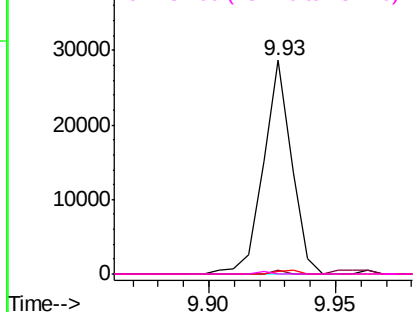


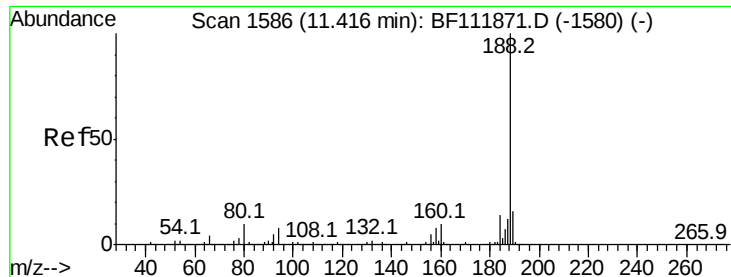
#57
 2,4-Dinitrotoluene
 Concen: 5.980 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF111898.D
 Acq: 8 Jan 2019 1:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.1	51.1#
89	1.1	53.5	80.3#
182	0.0	2.0	3.0#



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): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Instrument :

BNA_F

ClientSampled :

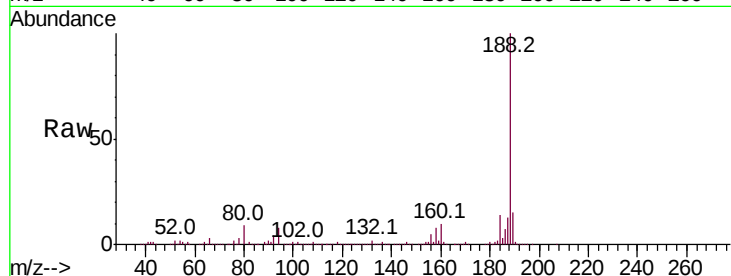
Tot Ion:188 Resp: 379476

Ion Ratio Lower Upper

188 100

94 7.9 6.6 10.0

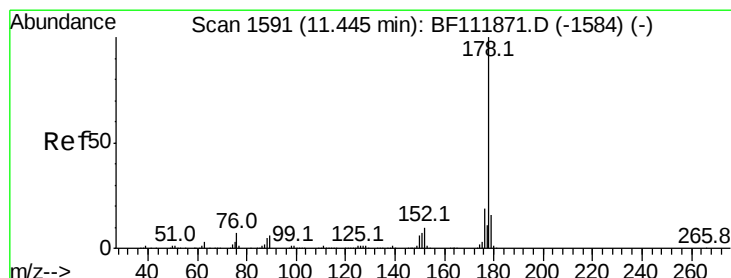
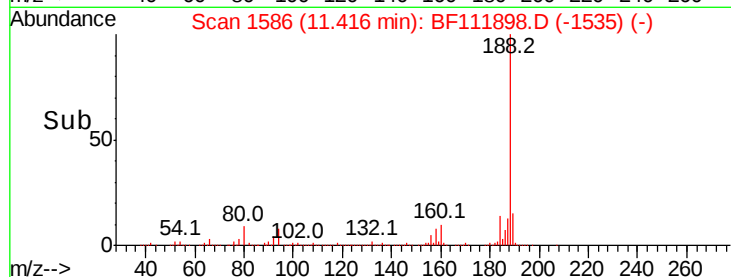
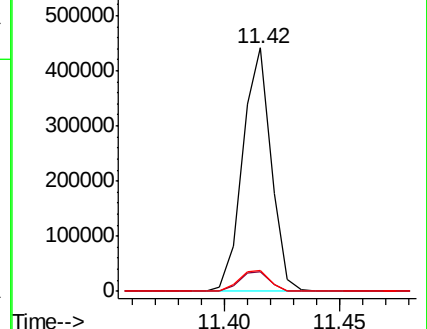
80 8.7 7.7 11.5



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



#71

Phenanthrene

Concen: 6.786 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

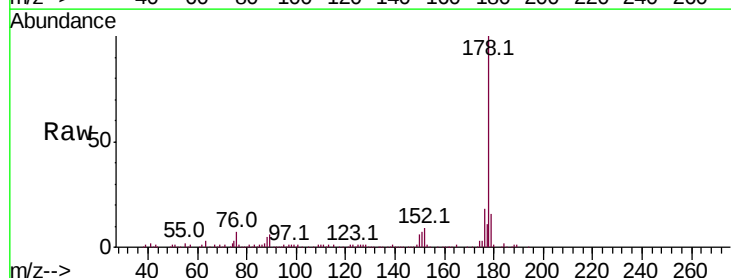
Tgt Ion:178 Resp: 137684

Ion Ratio Lower Upper

178 100

176 18.0 15.6 23.4

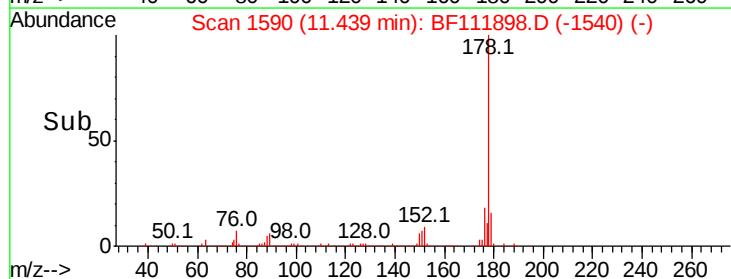
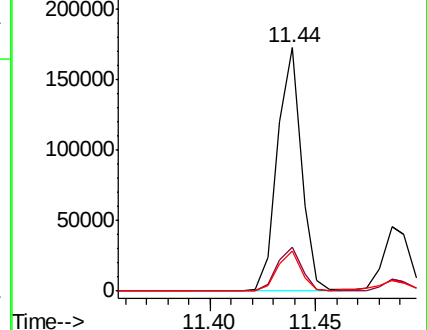
179 16.2 12.6 18.8

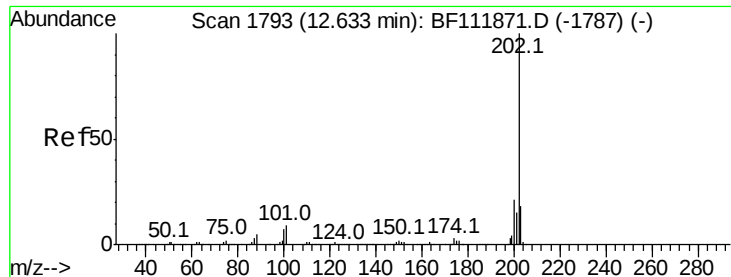


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 11.322 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Instrument :

BNA_F

ClientSampleId :

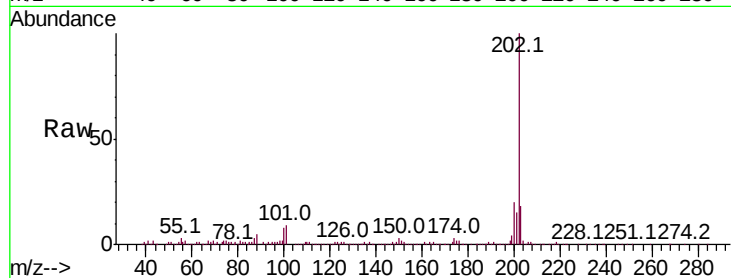
Tot Ion:202 Resp: 235806

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.3

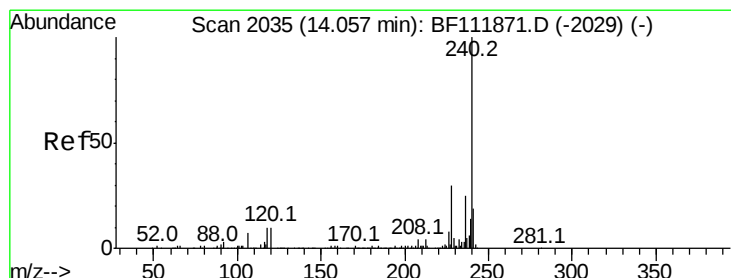
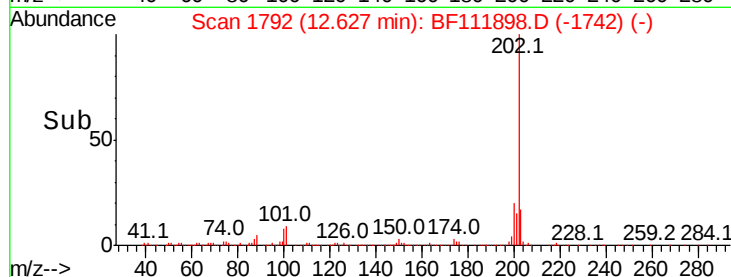
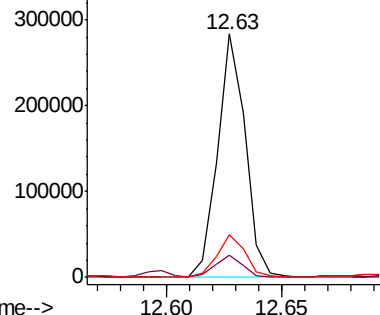
203 17.5 0.0 37.6



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# 2035

Delta R.T. -0.00 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

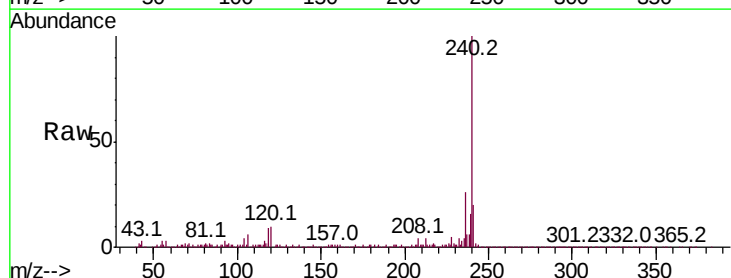
Tgt Ion:240 Resp: 389477

Ion Ratio Lower Upper

240 100

120 9.9 8.2 12.2

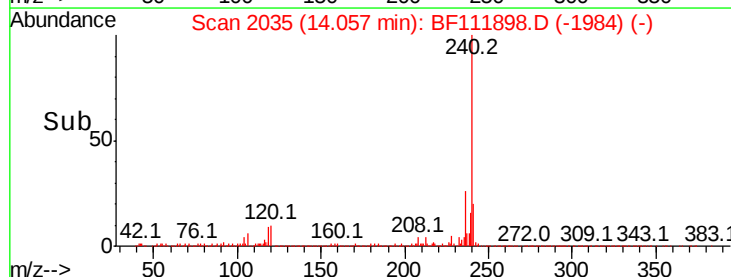
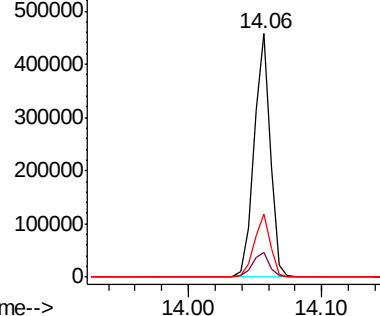
236 25.7 20.2 30.4

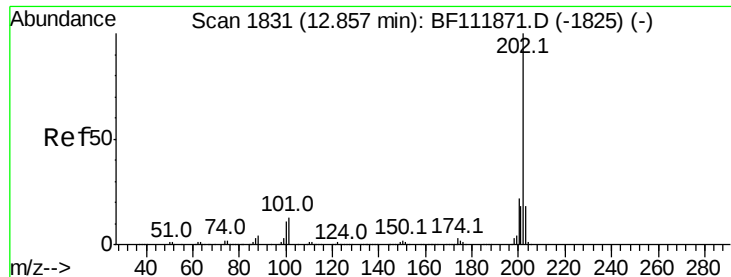


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

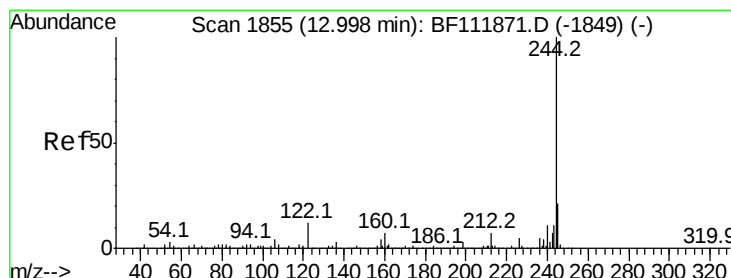
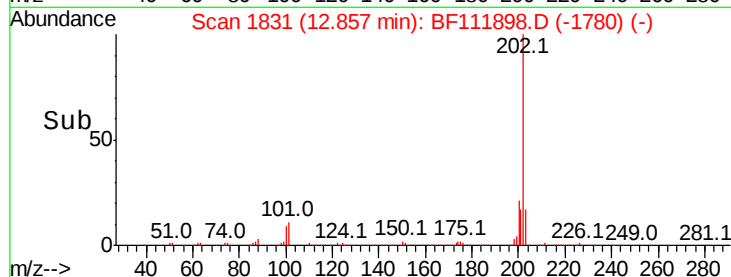
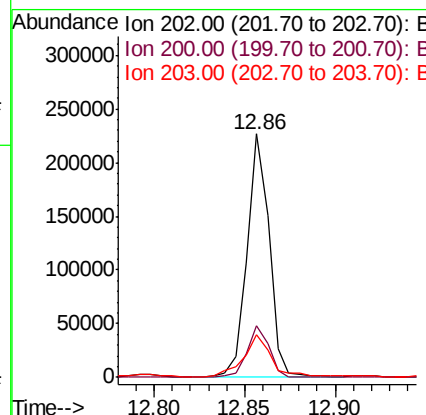
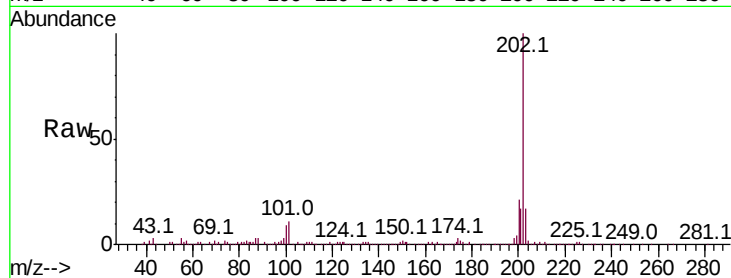




#78
Pvrene
Concen: 7.121 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

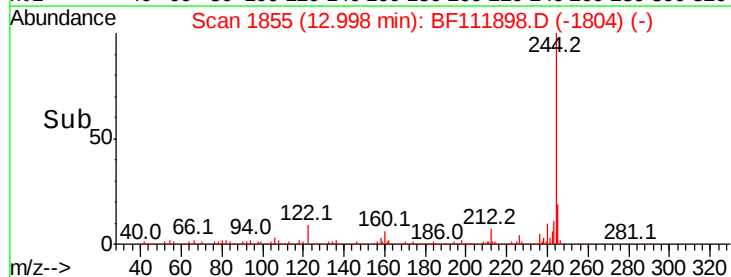
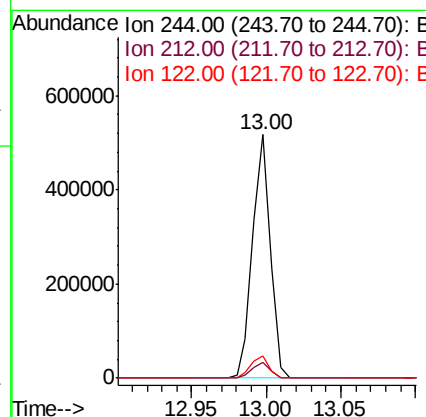
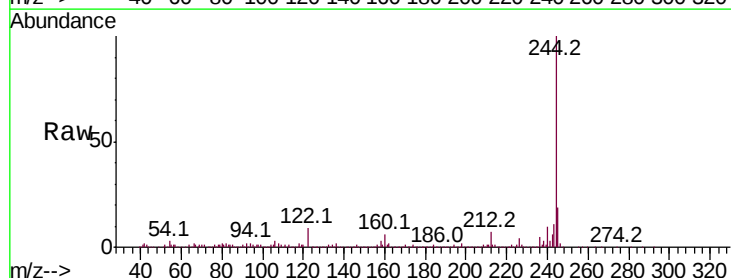
Instrument :
BNA_F
ClientSampleId :

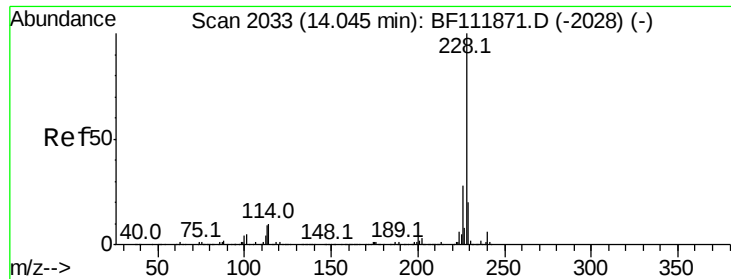
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.3	14.6	21.8



#79
Terphenyl-d14
Concen: 20.726 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	9.2	9.5	14.3#

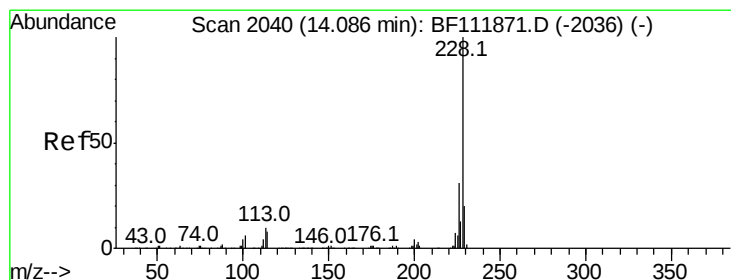
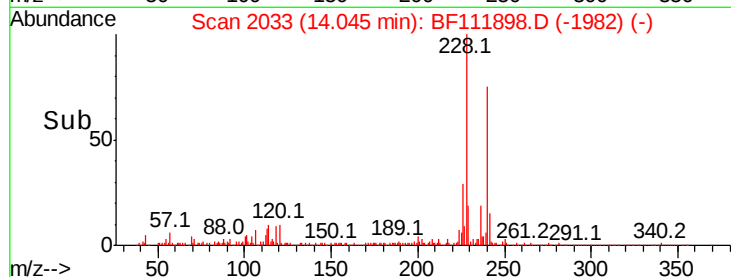
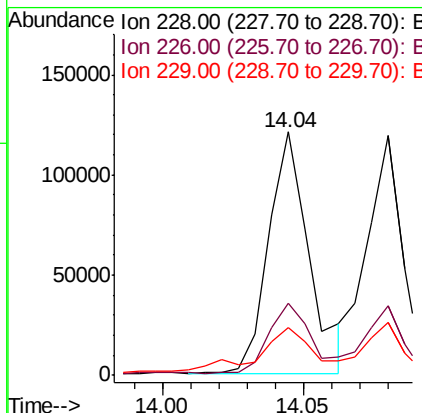
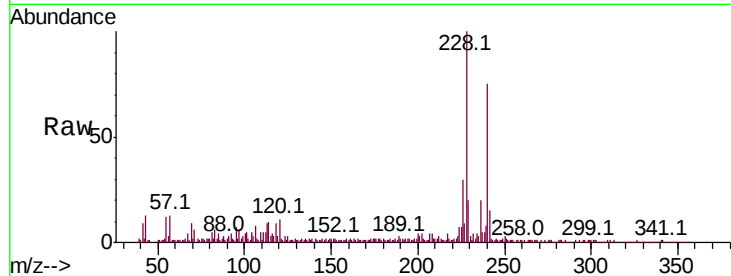




#81
Benzo(a)anthracene
Concen: 5.367 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

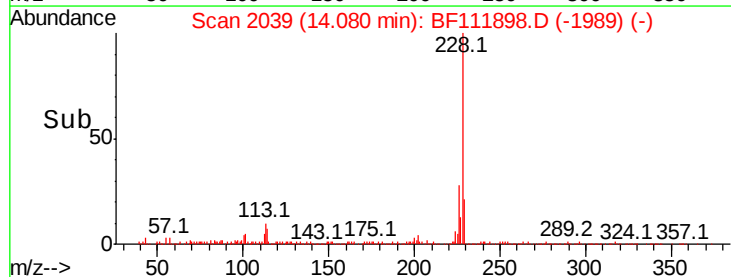
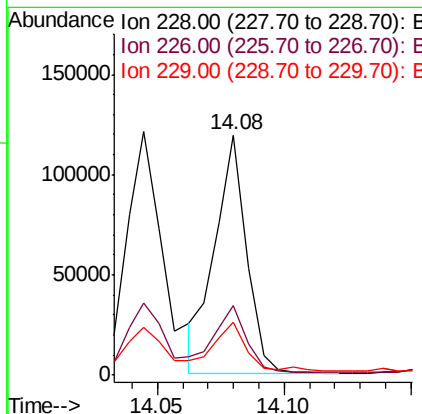
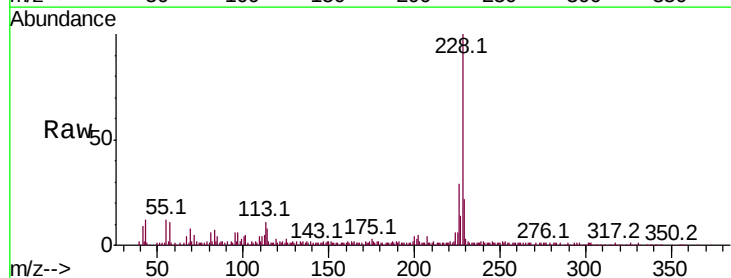
Instrument :
BNA_F
ClientSampleId :

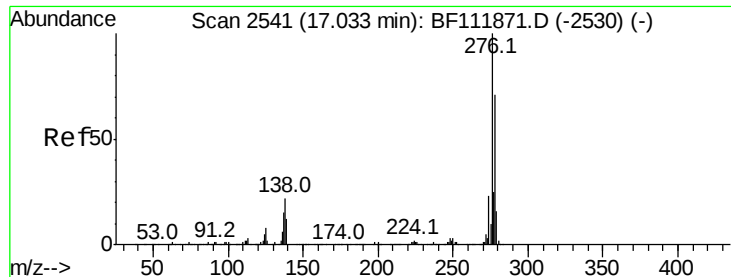
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.2	33.2
229	19.8	16.2	24.2



#83
Chrysene
Concen: 4.837 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.6	37.0
229	21.9	15.7	23.5

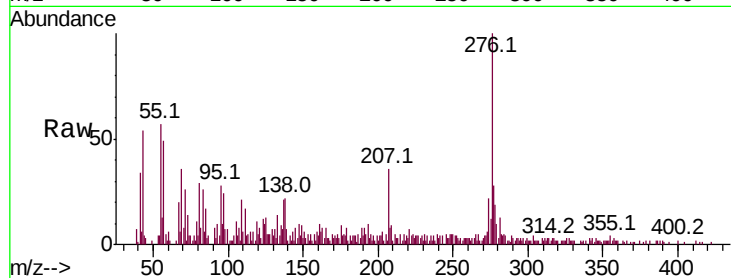




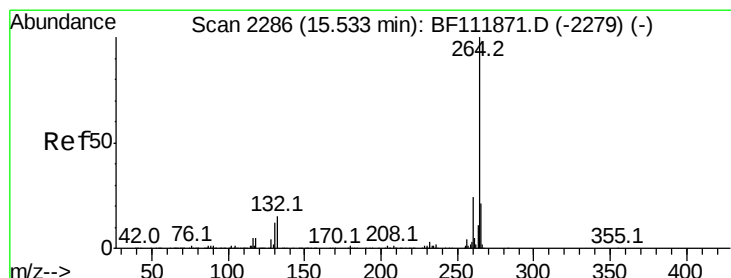
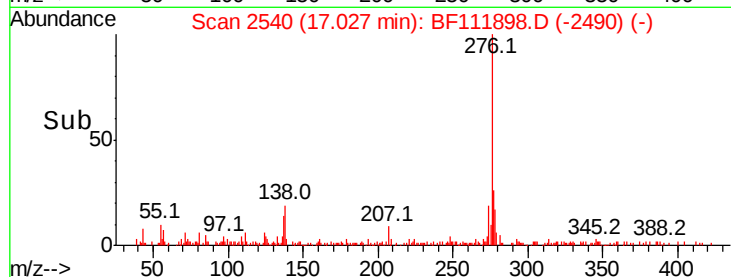
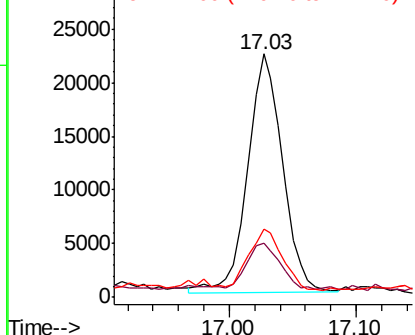
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.730 ng
 RT: 17.03 min Scan# 2540
 Delta R.T. -0.01 min
 Lab File: BF111898.D
 Acq: 8 Jan 2019 1:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 42530
 Ion Ratio Lower Upper
 276 100
 138 18.7 18.1 27.1
 277 25.6 19.9 29.9

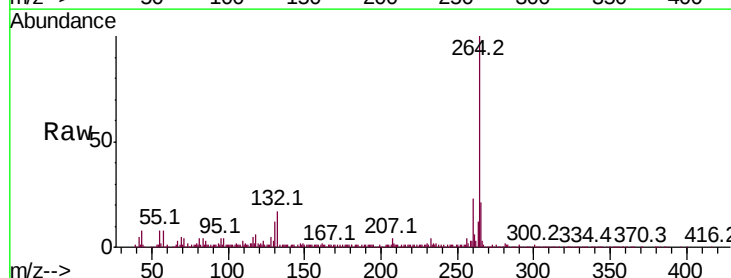


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

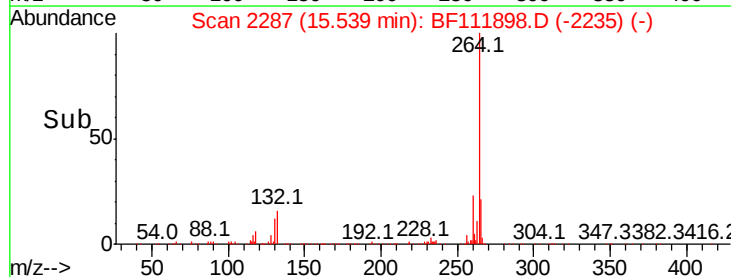
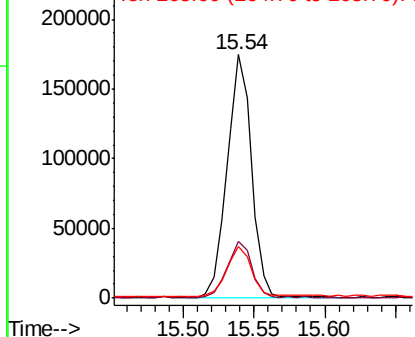


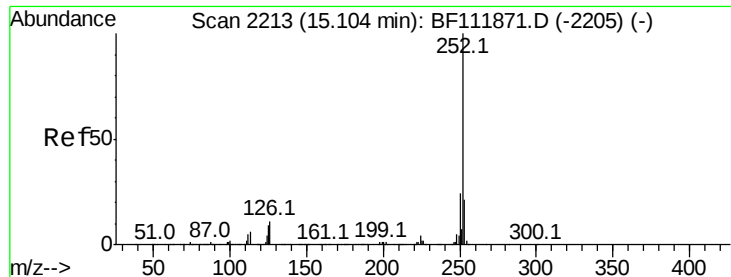
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF111898.D
 Acq: 8 Jan 2019 1:09

Tgt Ion:264 Resp: 207705
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.3 17.1 25.7



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: 9.943 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BF111898.D

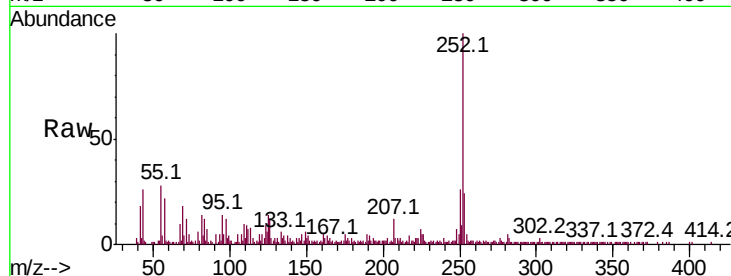
Acq: 8 Jan 2019 1:09

Instrument :

BNA_F

ClientSampleId :

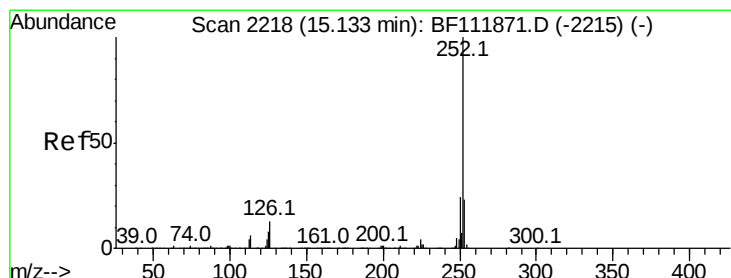
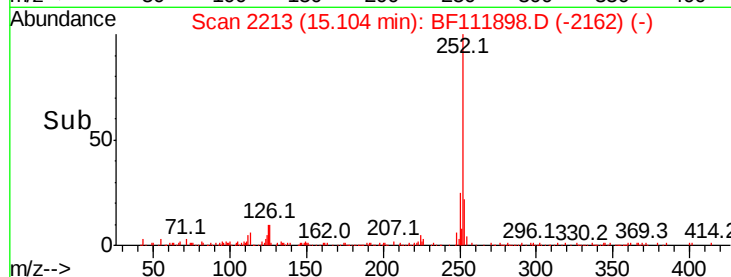
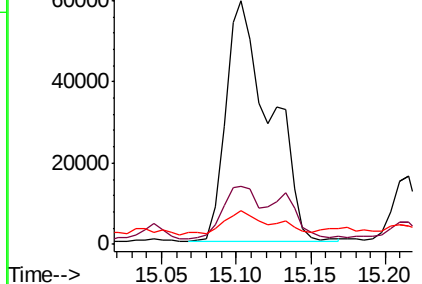
Tot Ion:252	Resp:	123536
Ion Ratio	Lower	Upper
252	100	
253	24.0	17.0 25.6
125	13.9	7.1 10.7#



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



#89

Benzo(k)fluoranthene

Concen: 10.578 ng

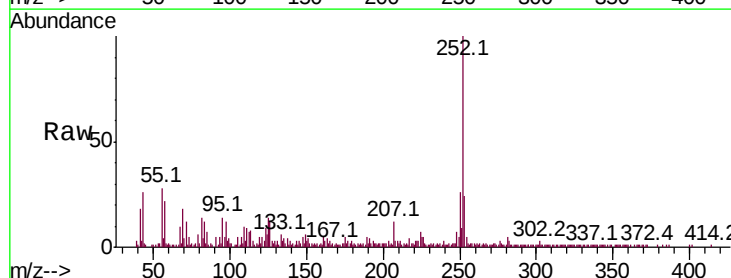
RT: 15.10 min Scan# 2213

Delta R.T. -0.03 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

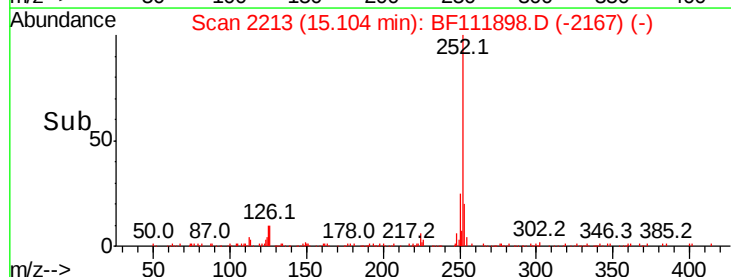
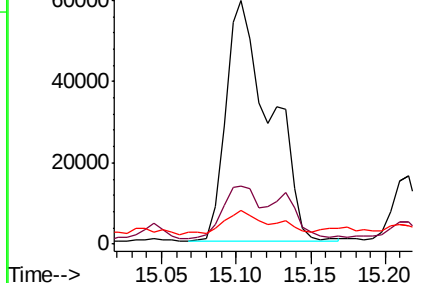
Tgt Ion:252	Resp:	123536
Ion Ratio	Lower	Upper
252	100	
253	24.0	17.8 26.6
125	13.9	7.0 10.4#

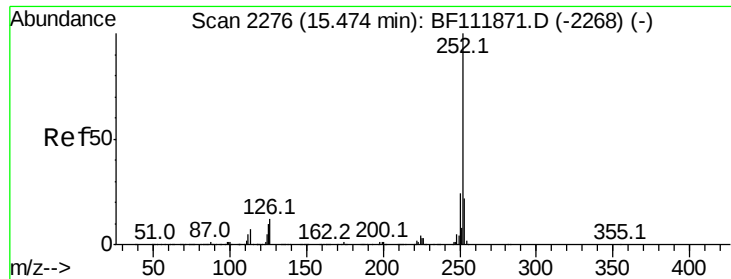


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

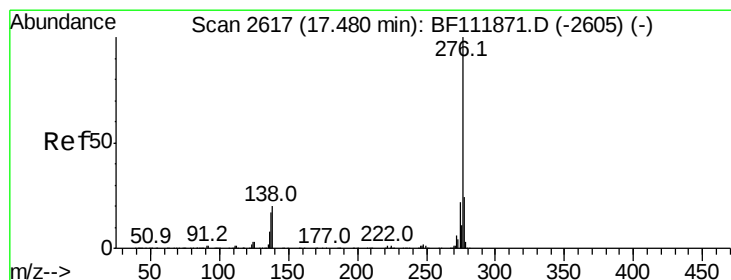
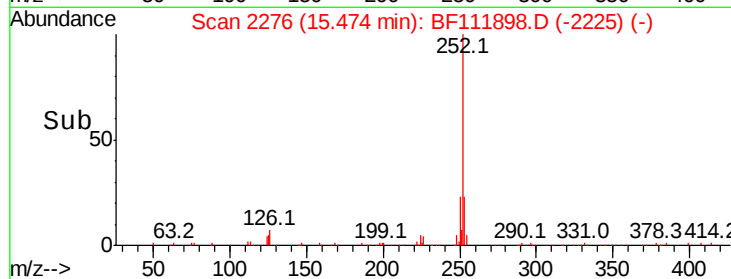
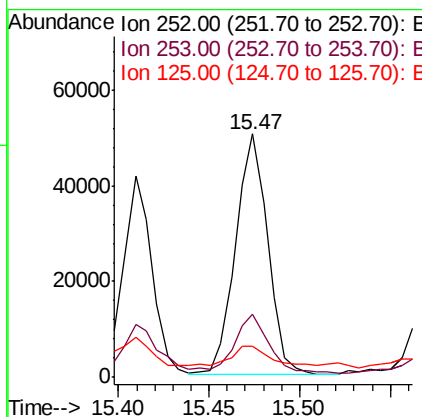
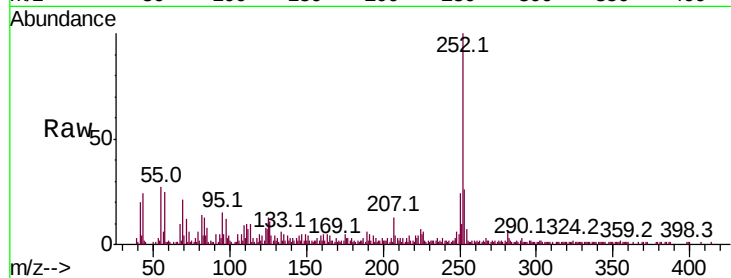




#90
Benzo(a)pyrene
Concen: 5.672 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.2
125	12.6	7.9	11.9#



#92
Benzo(g,h,i)perylene
Concen: 4.555 ng
RT: 17.48 min Scan# 2617
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.0	28.6
138	19.9	16.2	24.2

