

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122018\
 Data File : BF111647.D
 Acq On : 20 Dec 2018 19:09
 Operator : JU/SJ
 Sample : J6357-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07B

Quant Time: Dec 21 06:21:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	195788	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	729421	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	351160	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	587200	20.00	ng	0.00
76) Chrysene-d12	14.04	240	463027	20.00	ng	0.00
87) Perylene-d12	15.52	264	473445	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1294190	112.67	ng	0.00
7) Phenol-d6	6.52	99	1679830	114.91	ng	0.00
23) Nitrobenzene-d5	7.45	82	1055091	84.20	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	424814	102.38	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1909688	79.27	ng	0.00
79) Terphenyl-d14	13.00	244	1528150	62.59	ng	0.00

Target Compounds

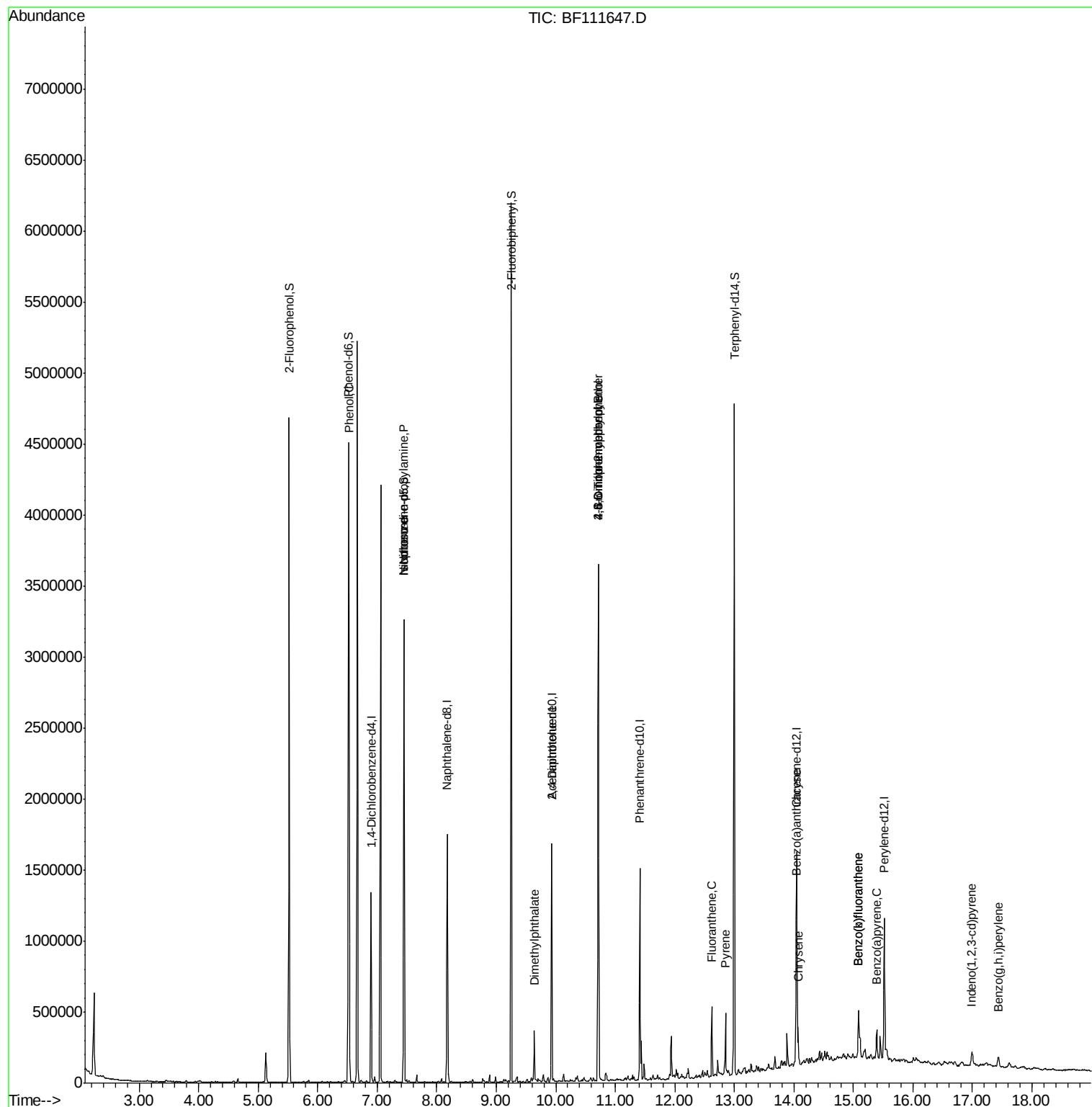
						Qvalue
10) Phenol	6.53	94	113380	6.874	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	144562	14.891	ng	# 80
25) Isophorone	7.45	82	1055076	47.426	ng	# 64
50) Dimethylphthalate	9.64	163	124582	4.851	ng	97
57) 2,4-Dinitrotoluene	9.93	165	46332	7.529	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.72	198	964	7.035	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	26134	3.588	ng	# 1
75) Fluoranthene	12.62	202	174684	5.539	ng	94
78) Pyrene	12.85	202	172676	5.281	ng	94
81) Benzo(a)anthracene	14.03	228	90933	3.441	ng	95
83) Chrysene	14.07	228	107889	4.154	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	65246	2.955	ng	# 84
88) Benzo(b)fluoranthene	15.09	252	236190	8.536	ng	97
89) Benzo(k)fluoranthene	15.09	252	236190	8.966	ng	98
90) Benzo(a)pyrene	15.39	252	91368	3.635	ng	99
92) Benzo(g,h,i)perylene	17.43	276	58038	2.700	ng	94

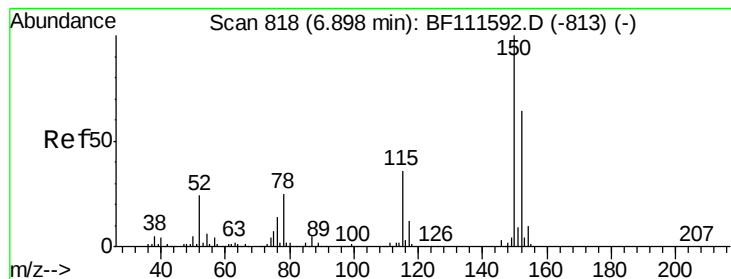
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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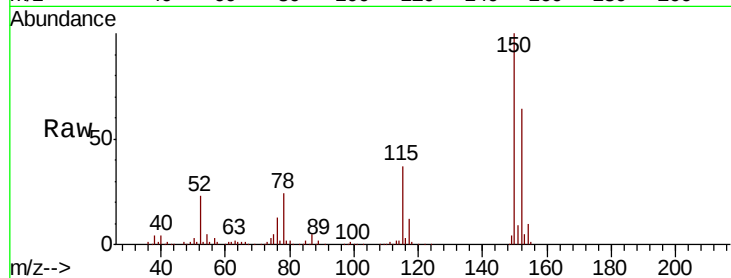


#1

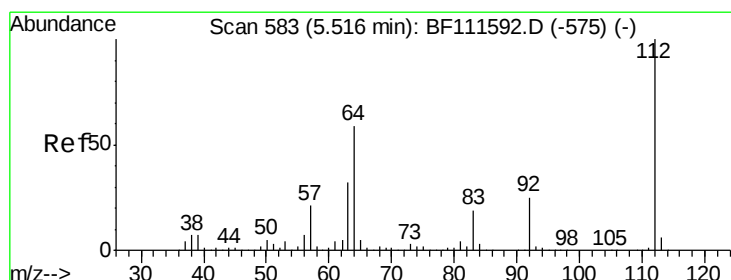
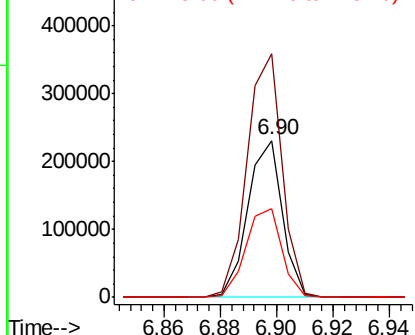
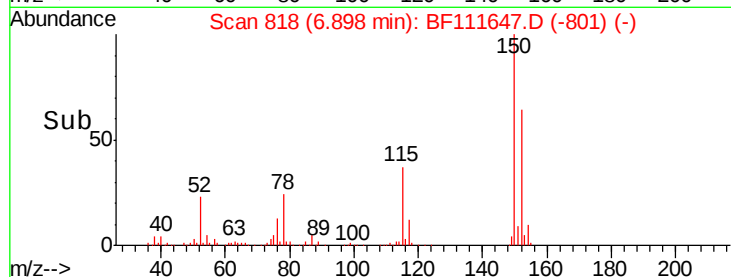
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SB-07B

Tgt Ion:152 Resp: 195788
Ion Ratio Lower Upper
152 100
150 155.5 126.6 189.8
115 56.9 50.7 76.1



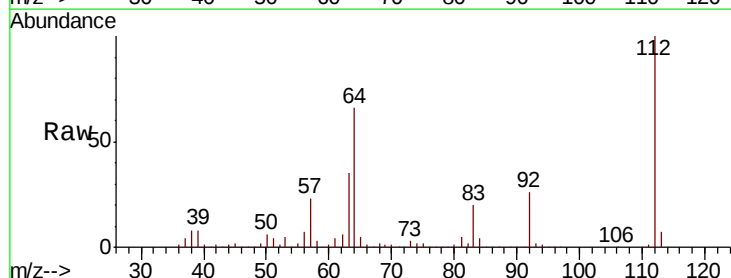
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



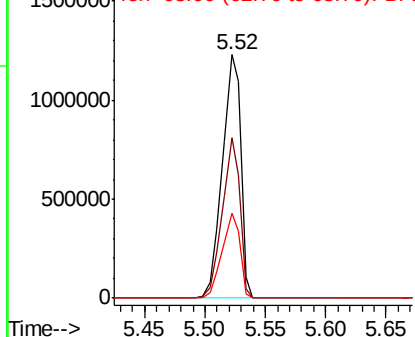
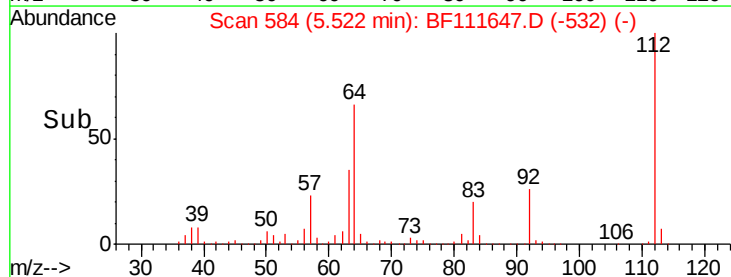
#5

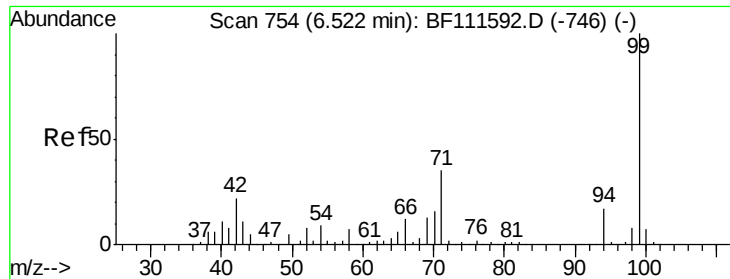
2-Fluorophenol
Concen: 112.672 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Tgt Ion:112 Resp: 1294190
Ion Ratio Lower Upper
112 100
64 65.8 51.8 77.6
63 35.0 26.8 40.2



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: 114.915 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111647.D

Acq: 20 Dec 2018 19:09

Instrument :

BNA_F

ClientSampleId :

SB-07B

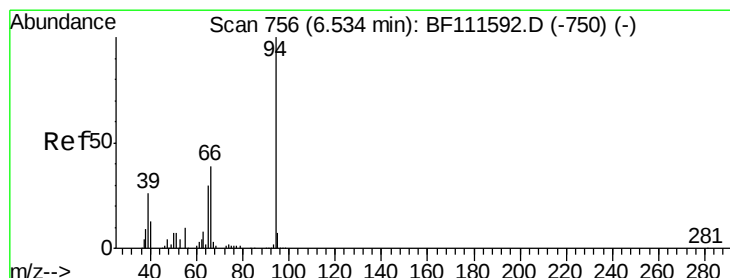
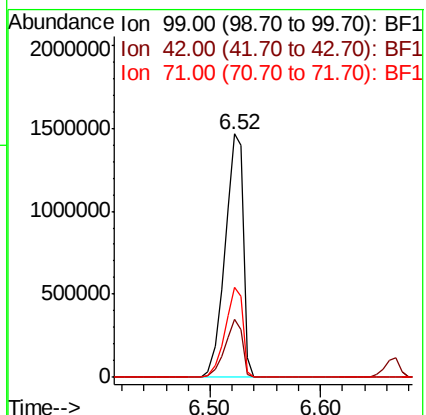
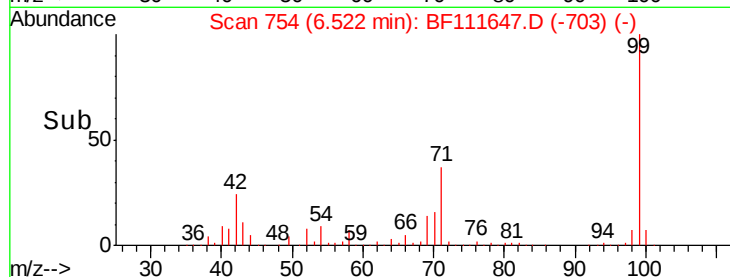
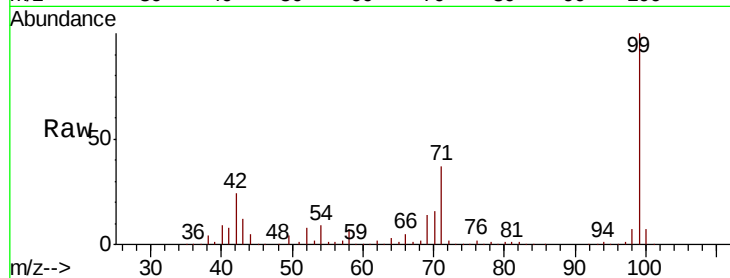
Tgt Ion: 99 Resp: 1679830

Ion Ratio Lower Upper

99 100

42 23.7 17.4 26.0

71 37.1 26.1 39.1



#10

Phenol

Concen: 6.874 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111647.D

Acq: 20 Dec 2018 19:09

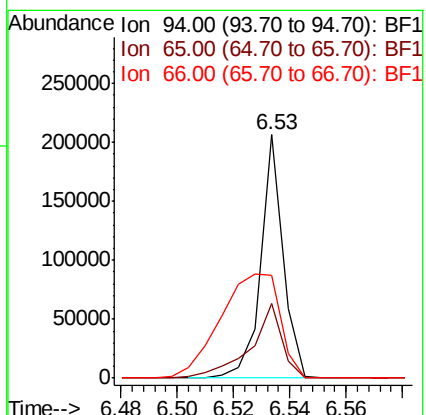
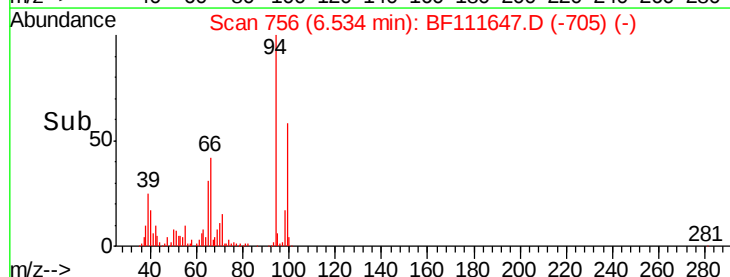
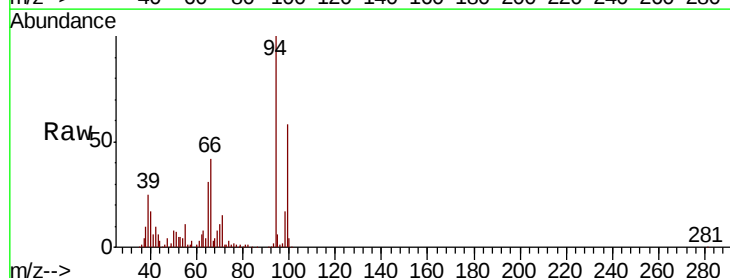
Tgt Ion: 94 Resp: 113380

Ion Ratio Lower Upper

94 100

65 30.6 11.7 51.7

66 42.3 21.0 61.0

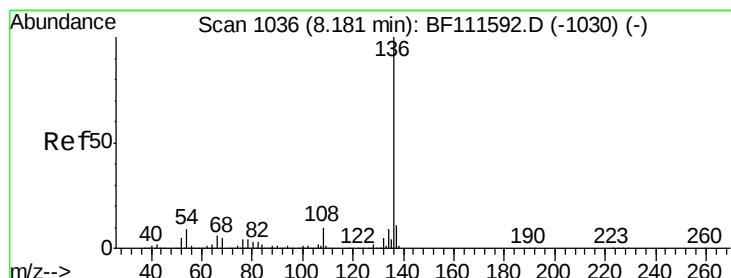
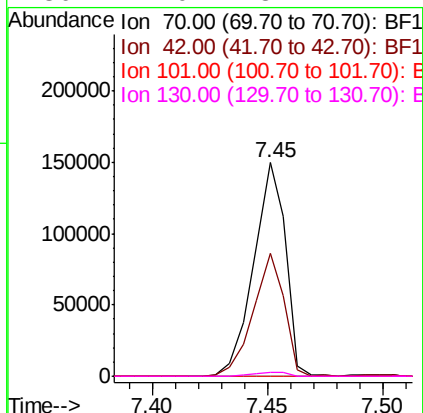
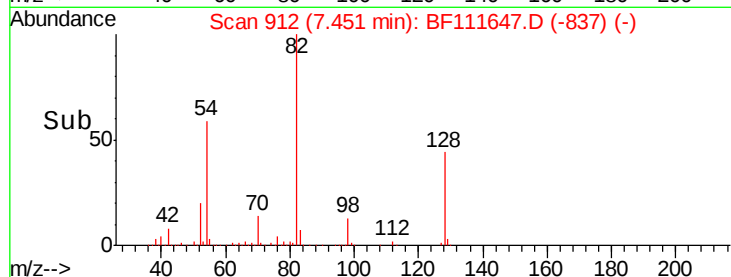
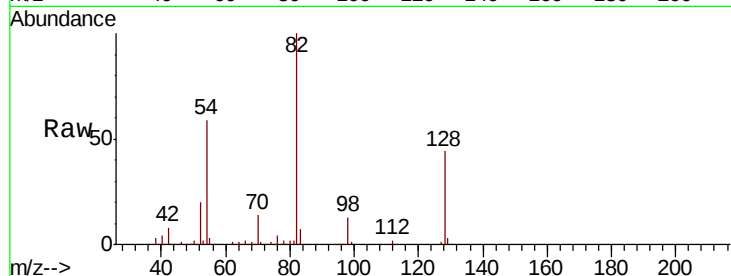




#19
n-Nitroso-di-n-propylamine
Concen: 14.891 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

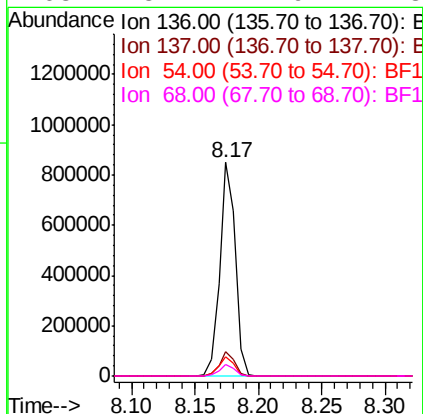
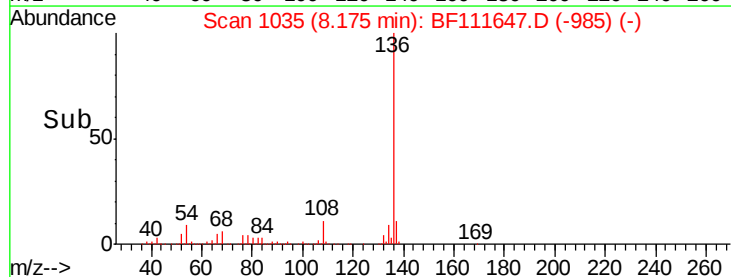
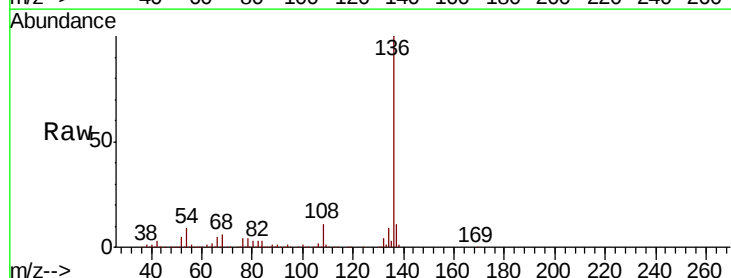
Instrument :
BNA_F
ClientSampleId :
SB-07B

Tgt Ion: 70 Resp: 144562
Ion Ratio Lower Upper
70 100
42 57.4 53.2 79.8
101 0.0 8.2 12.4#
130 2.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Tgt Ion: 136 Resp: 729421
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 9.2 7.7 11.5
68 5.7 4.9 7.3

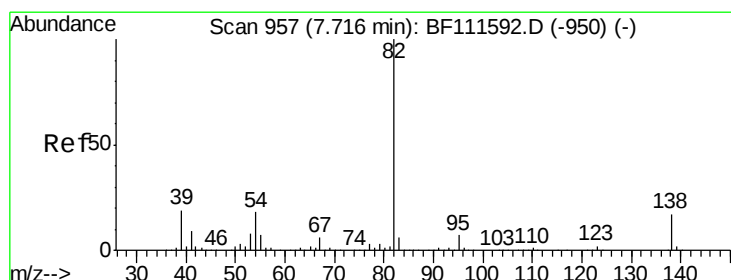
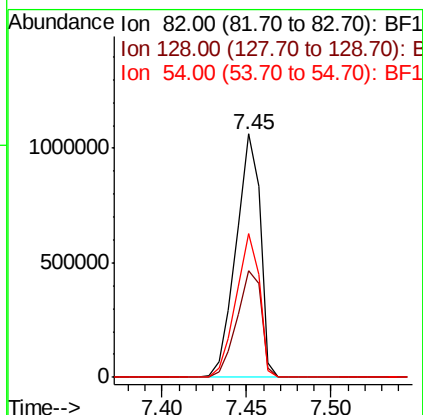
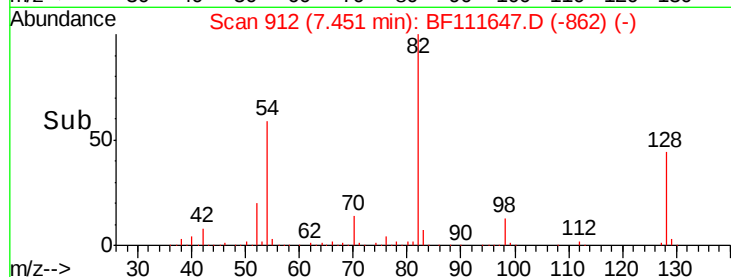
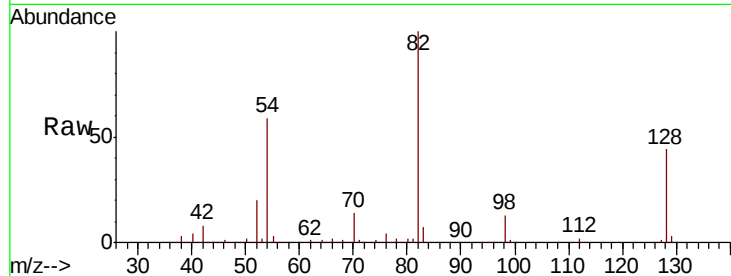




#23
Nitrobenzene-d5
Concen: 84.196 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

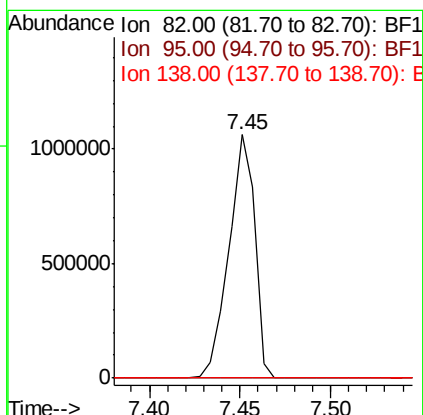
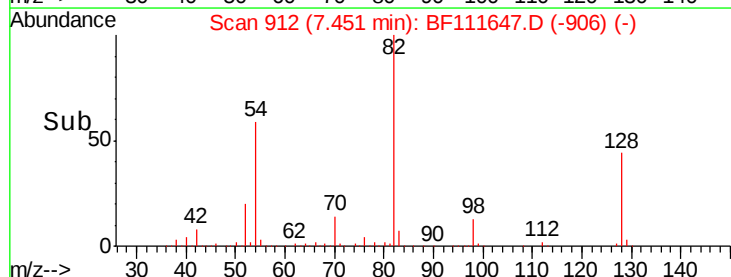
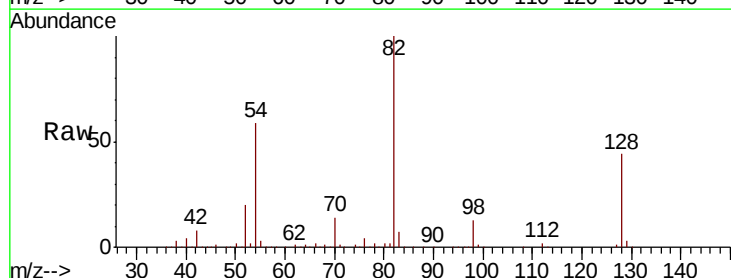
Instrument :
BNA_F
ClientSampleId :
SB-07B

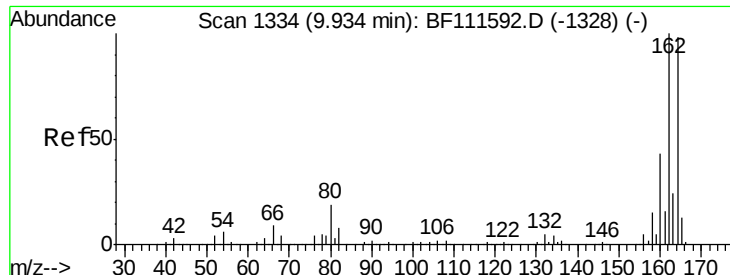
Tgt Ion: 82 Resp: 1055091
Ion Ratio Lower Upper
82 100
128 43.6 37.4 56.2
54 58.9 47.6 71.4



#25
Isophorone
Concen: 47.426 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Tgt Ion: 82 Resp: 1055076
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#

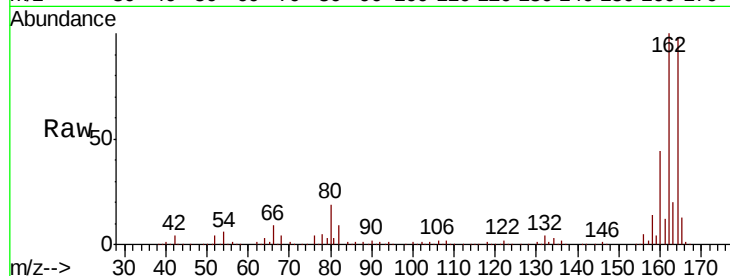




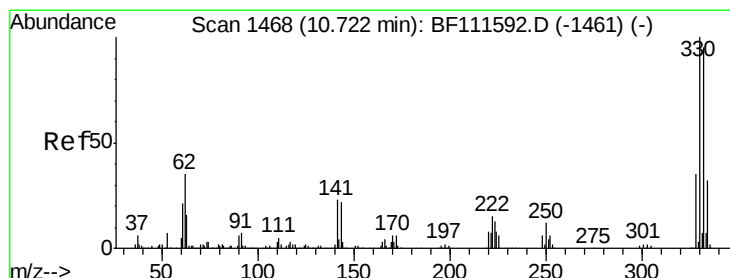
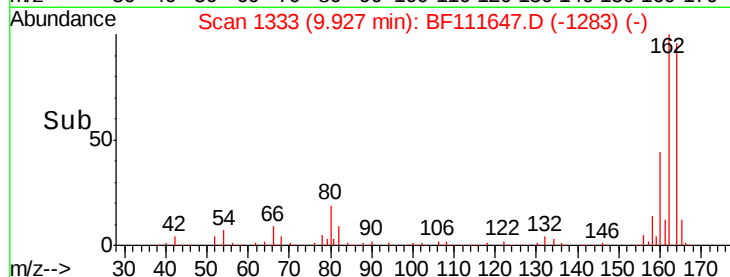
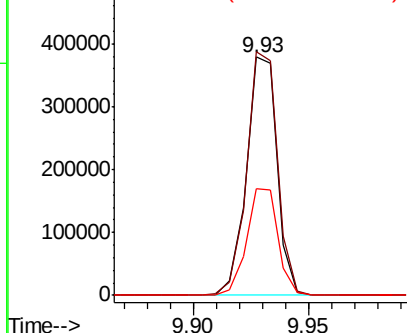
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SB-07B

Tgt Ion:164 Resp: 351160
Ion Ratio Lower Upper
164 100
162 102.2 81.4 122.0
160 44.6 35.7 53.5

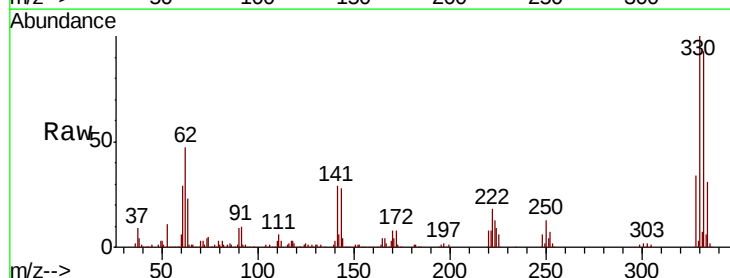


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

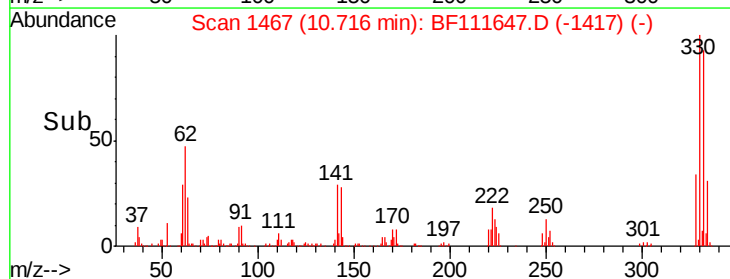
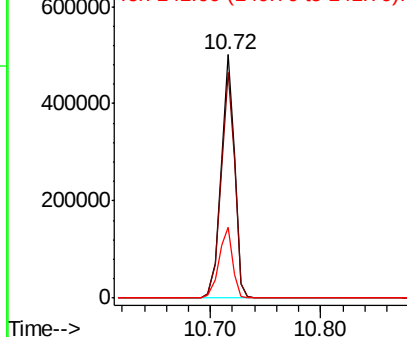


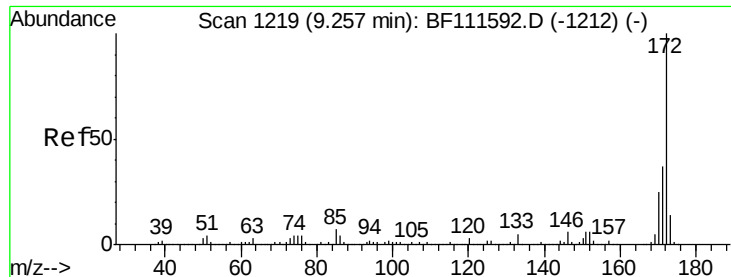
#42
2,4,6-Tribromophenol
Concen: 102.384 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Tgt Ion:330 Resp: 424814
Ion Ratio Lower Upper
330 100
332 94.6 76.0 114.0
141 29.7 31.0 46.6#



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

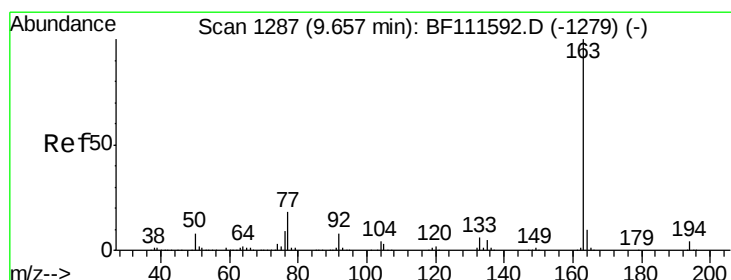
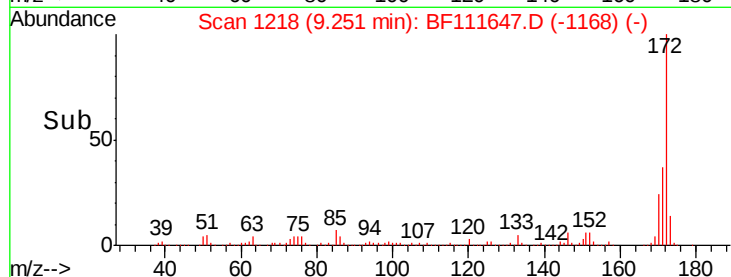
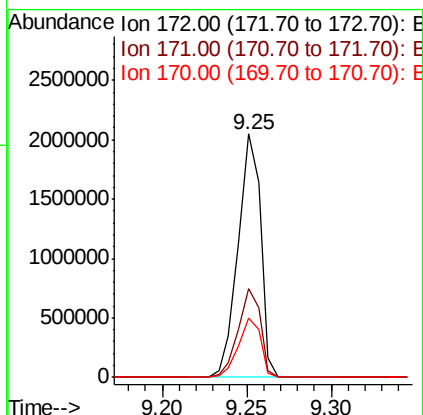
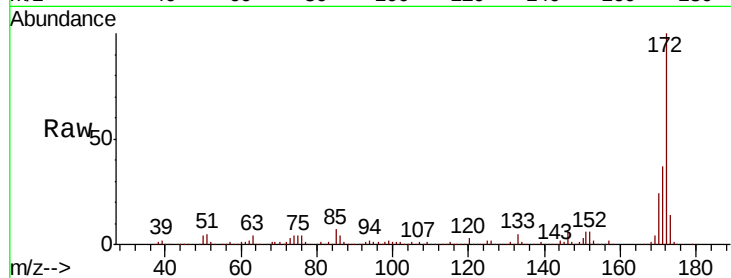




#45
2-Fluorobiphenyl
Concen: 79.266 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

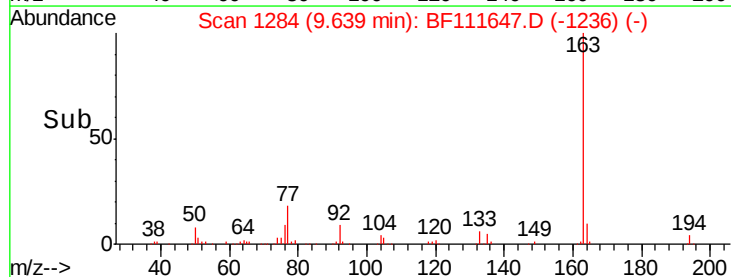
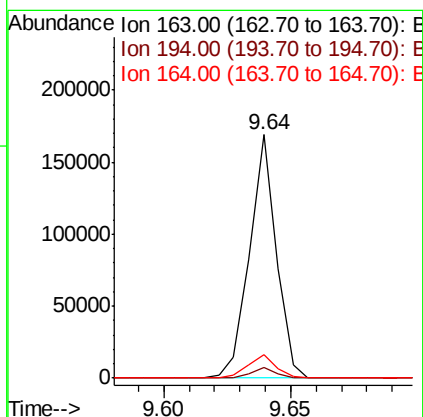
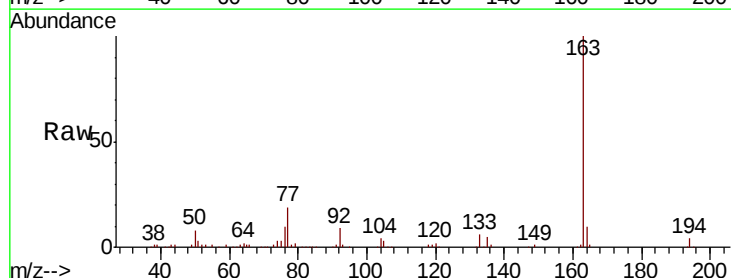
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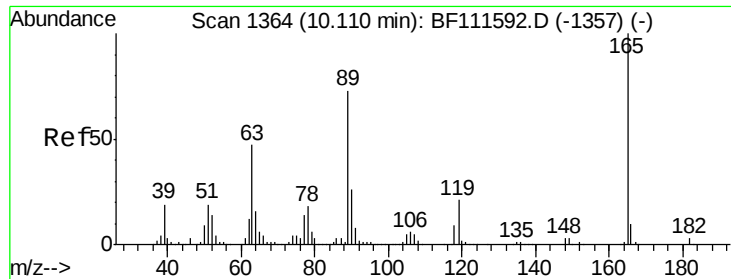
Tgt Ion:172 Resp: 1909688
Ion Ratio Lower Upper
172 100
171 36.6 33.0 49.4
170 24.5 22.3 33.5



#50
Dimethylphthalate
Concen: 4.851 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Tgt Ion:163 Resp: 124582
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 9.6 8.9 13.3

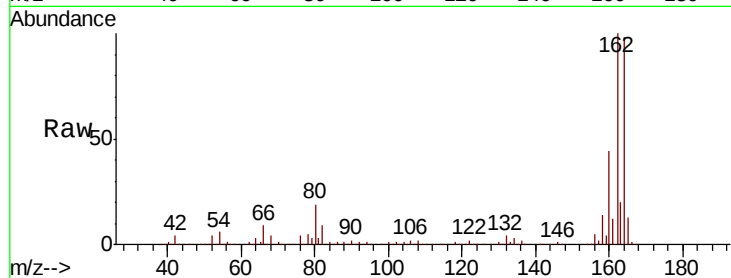




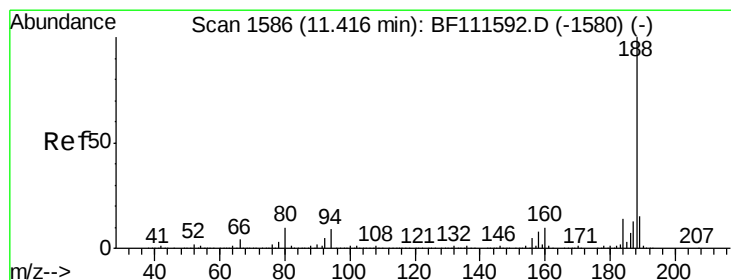
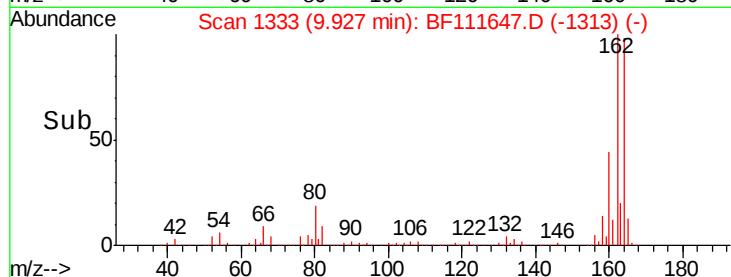
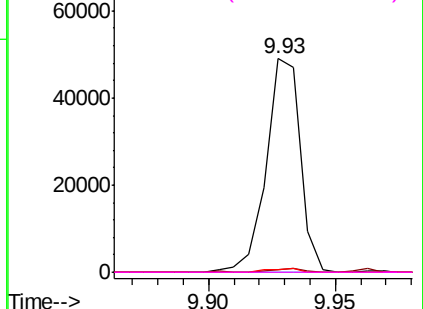
#57
 2,4-Dinitrotoluene
 Concen: 7.529 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF111647.D
 Acq: 20 Dec 2018 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SB-07B

Tgt Ion:	165	Resp:	46332
Ion Ratio	Lower	Upper	
165	100		
63	1.0	34.6	52.0#
89	1.3	56.2	84.4#
182	0.0	1.8	2.6#

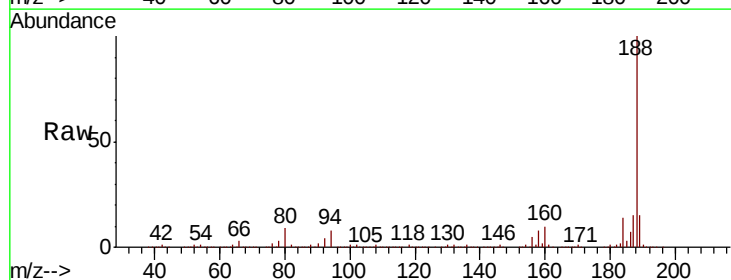


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

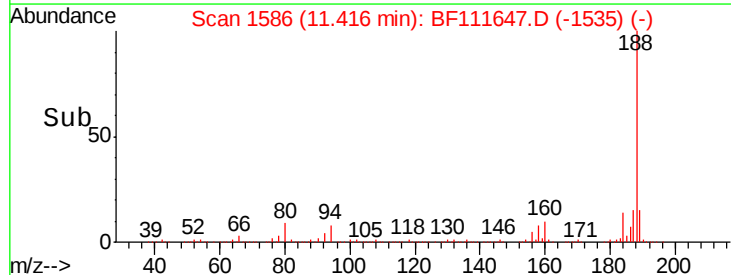
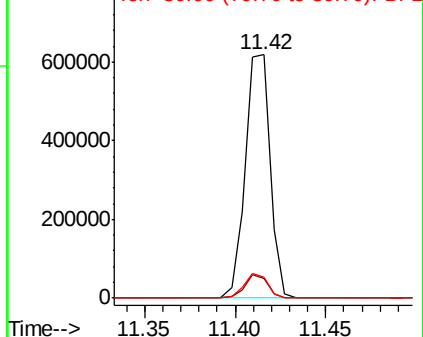


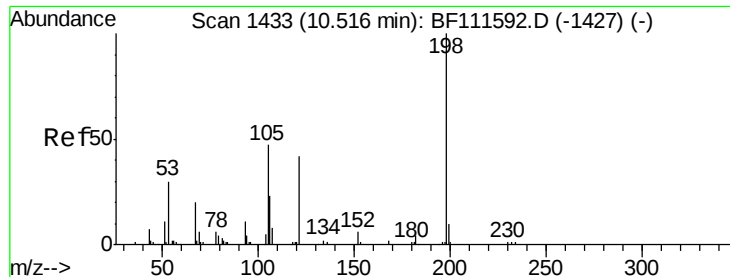
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF111647.D
 Acq: 20 Dec 2018 19:09

Tgt Ion:	188	Resp:	587200
Ion Ratio	Lower	Upper	
188	100		
94	8.0	9.6	14.4#
80	8.5	9.8	14.6#



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

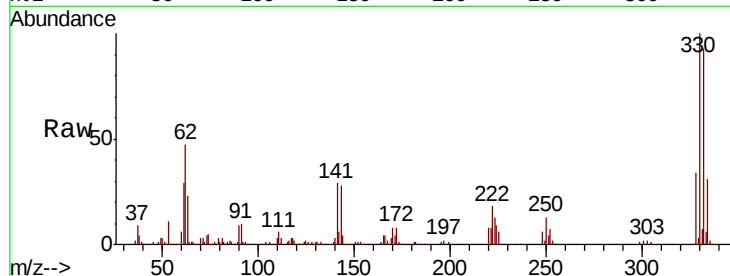




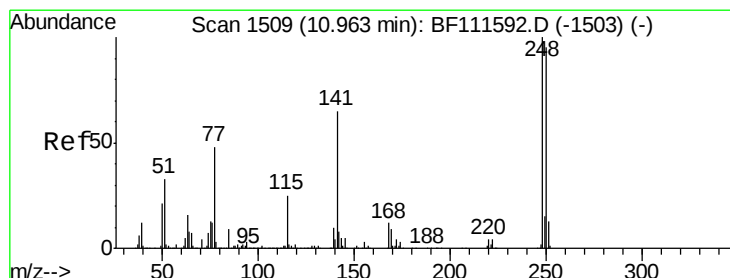
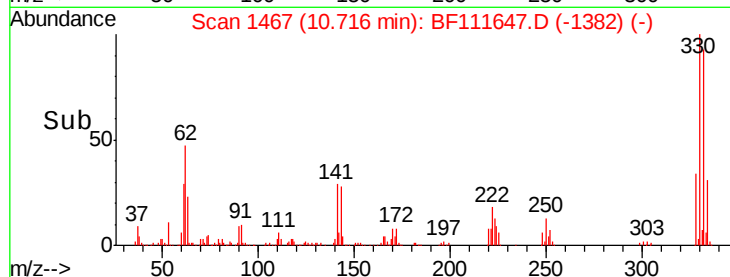
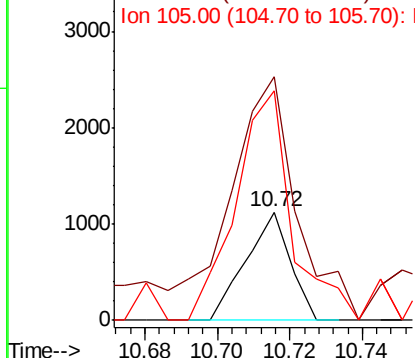
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.035 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.20 min
 Lab File: BF111647.D
 Acq: 20 Dec 2018 19:09

Instrument :
 BNA_F
 ClientSampleId :
 SB-07B

Tgt Ion:198 Resp: 964
 Ion Ratio Lower Upper
 198 100
 51 224.4 48.0 88.0#
 105 211.3 34.0 74.0#

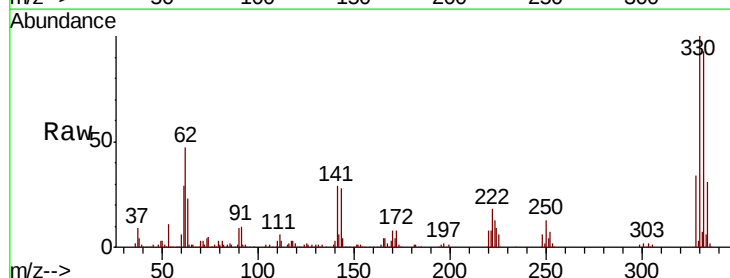


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

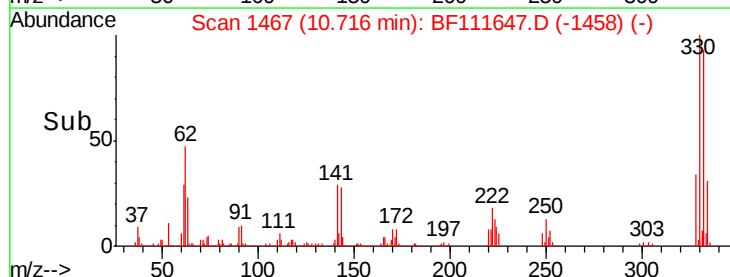
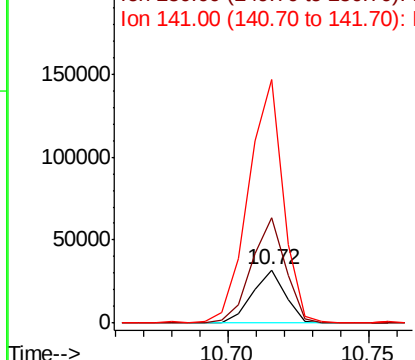


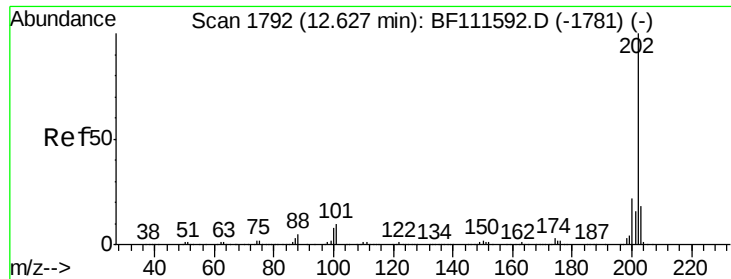
#67
 4-Bromophenyl-phenylether
 Concen: 3.588 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF111647.D
 Acq: 20 Dec 2018 19:09

Tgt Ion:248 Resp: 26134
 Ion Ratio Lower Upper
 248 100
 250 197.5 77.0 115.4#
 141 456.0 63.0 94.6#



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





#75

Fluoranthene

Concen: 5.539 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111647.D

Acq: 20 Dec 2018 19:09

Instrument :

BNA_F

ClientSampleId :

SB-07B

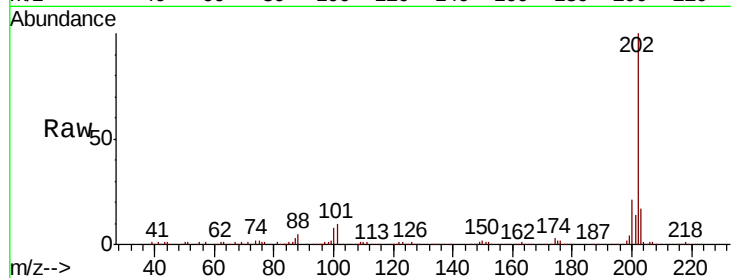
Tgt Ion: 202 Resp: 174684

Ion Ratio Lower Upper

202 100

101 9.8 0.0 33.8

203 16.8 0.0 38.6

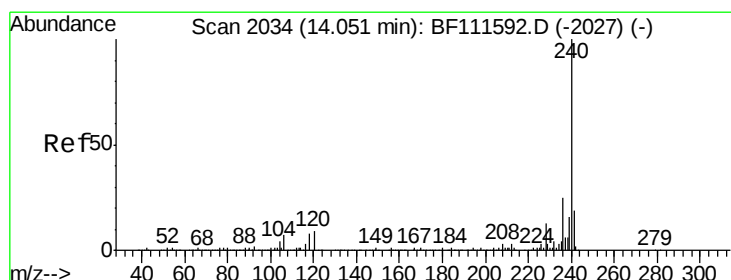
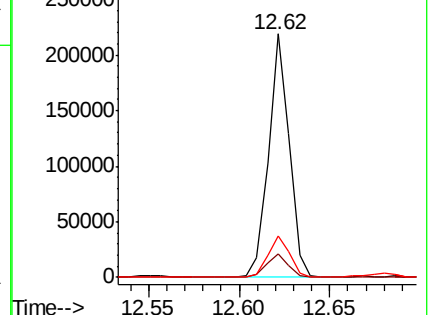
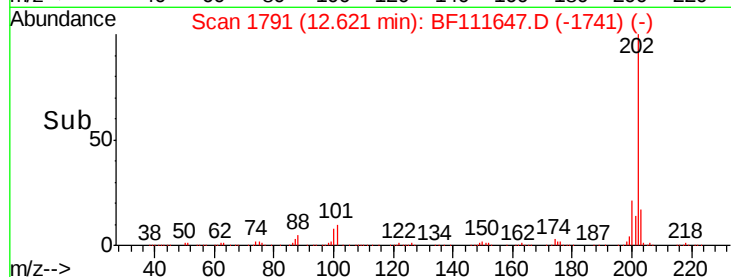


Abundance

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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF111647.D

Acq: 20 Dec 2018 19:09

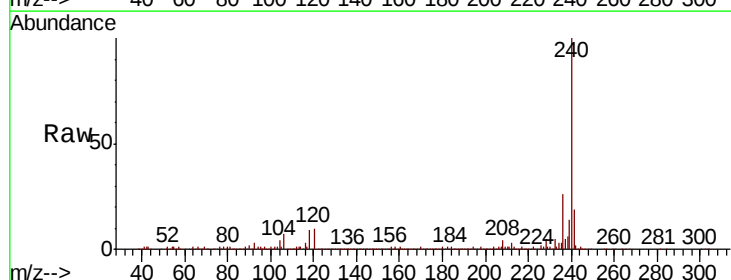
Tgt Ion: 240 Resp: 463027

Ion Ratio Lower Upper

240 100

120 10.0 12.2 18.2#

236 26.3 20.2 30.2

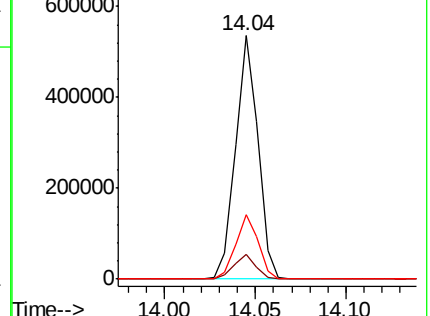
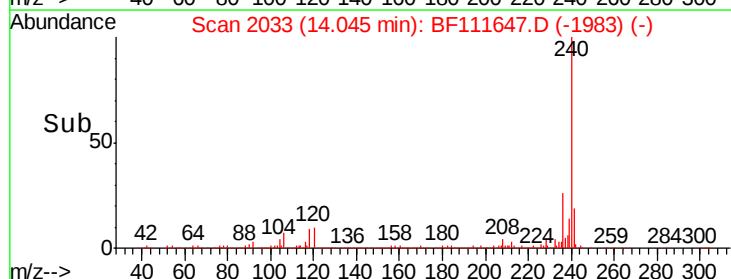


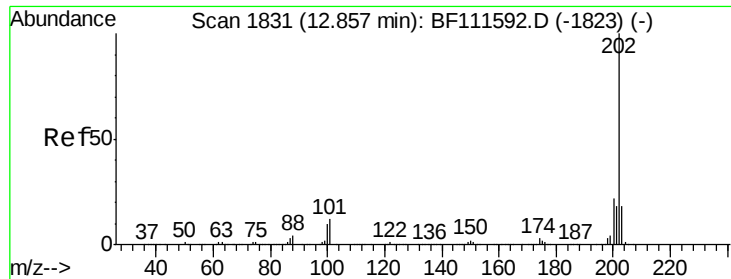
Abundance

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

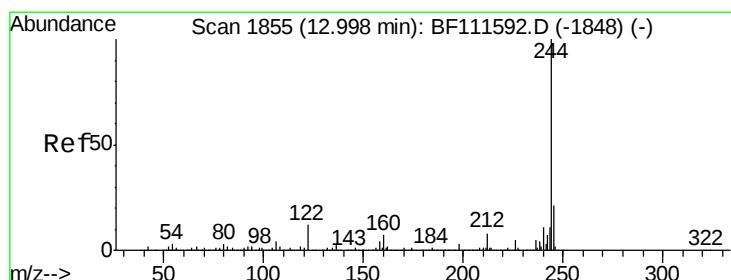
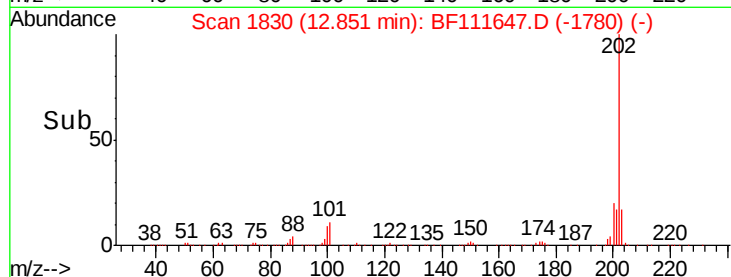
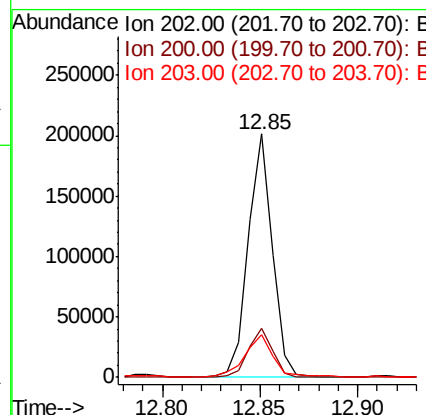
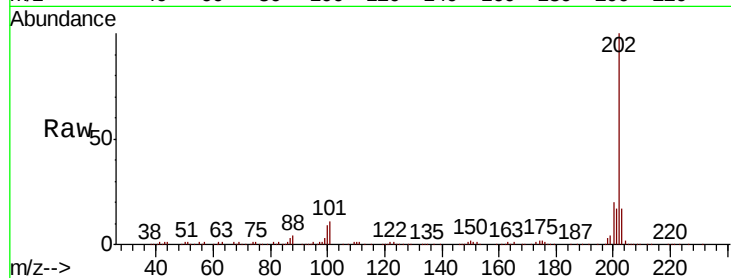




#78
Pyrene
Concen: 5.281 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

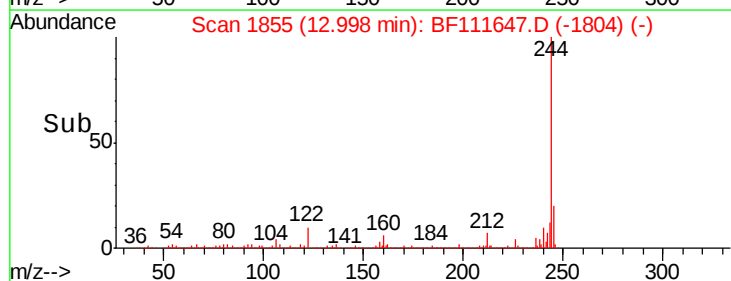
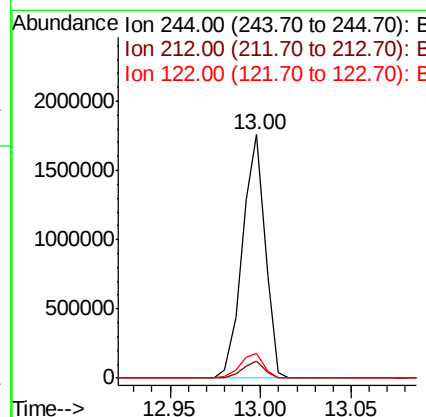
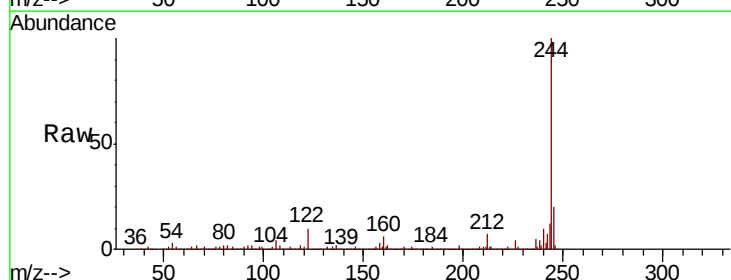
Instrument :
BNA_F
ClientSampled :
SB-07B

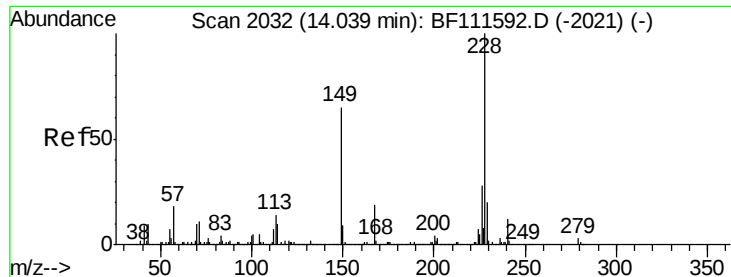
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	19.0	28.4
203	17.3	15.2	22.8



#79
Terphenyl-d14
Concen: 62.588 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.1	13.1	19.7#

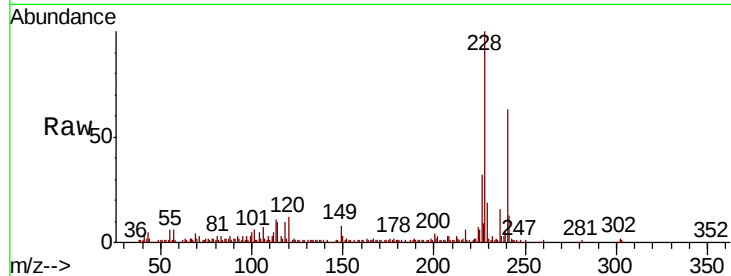




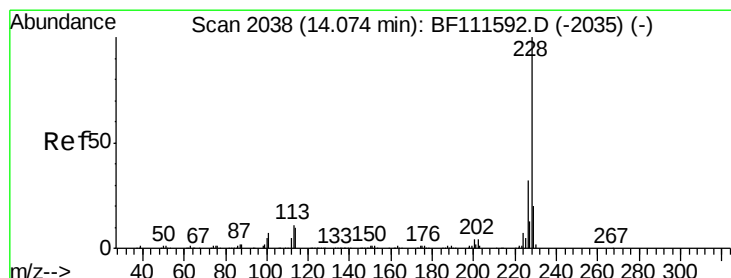
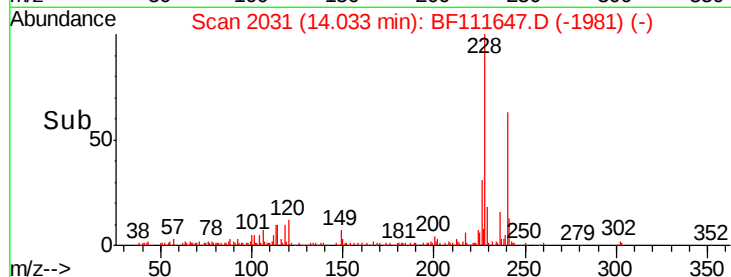
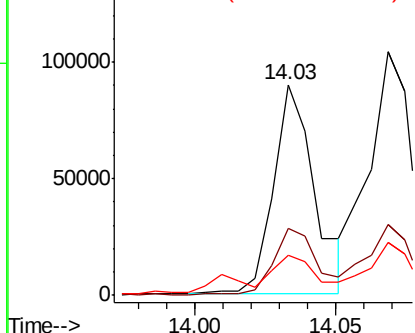
#81
Benzo(a)anthracene
Concen: 3.441 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SB-07B

Tgt Ion:228 Resp: 90933
Ion Ratio Lower Upper
228 100
226 31.7 22.6 34.0
229 19.1 16.3 24.5

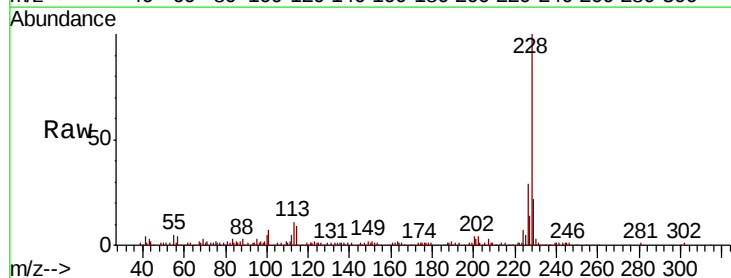


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

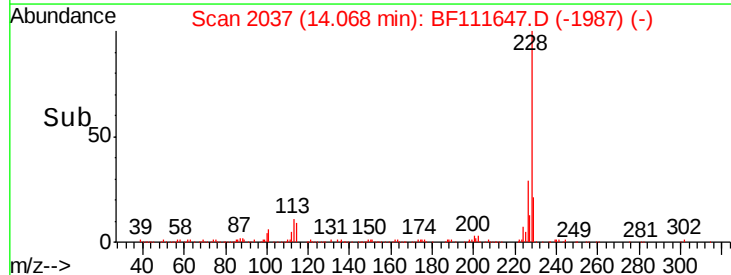
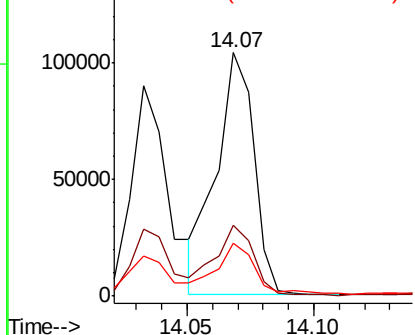


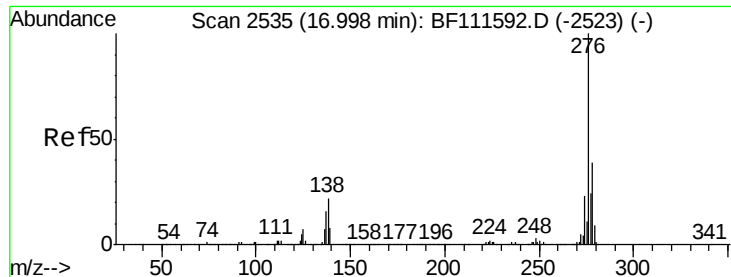
#83
Chrysene
Concen: 4.154 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Tgt Ion:228 Resp: 107889
Ion Ratio Lower Upper
228 100
226 29.1 25.3 37.9
229 21.6 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

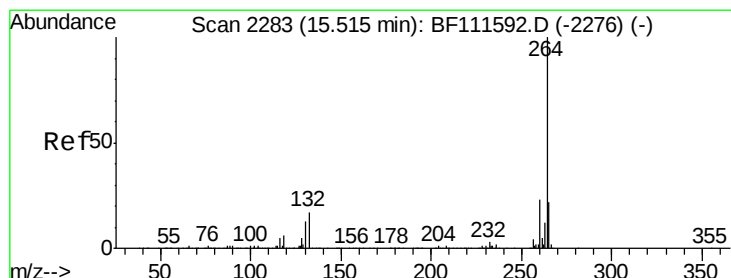
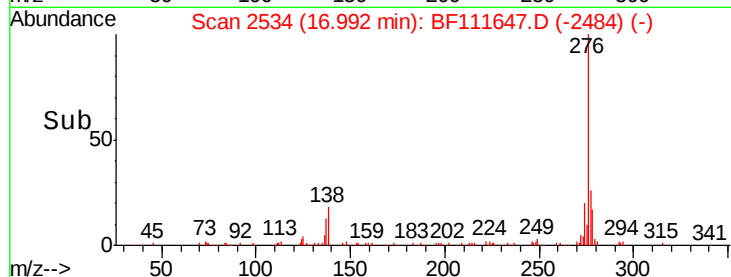
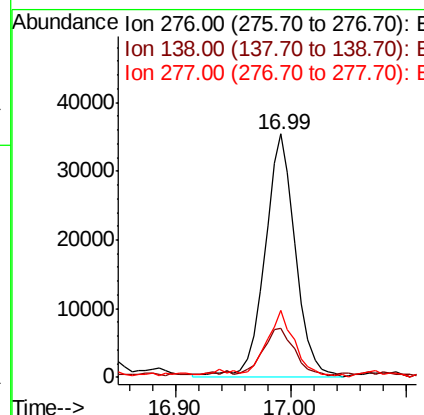
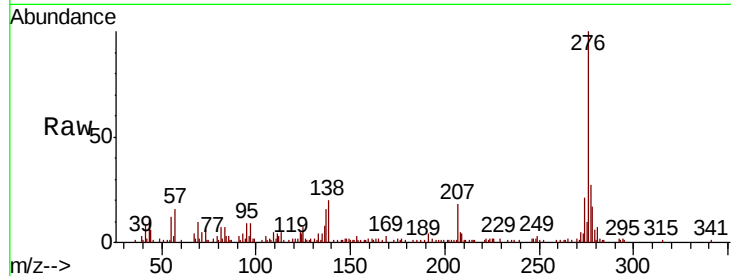




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.955 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF111647.D
 Acq: 20 Dec 2018 19:09

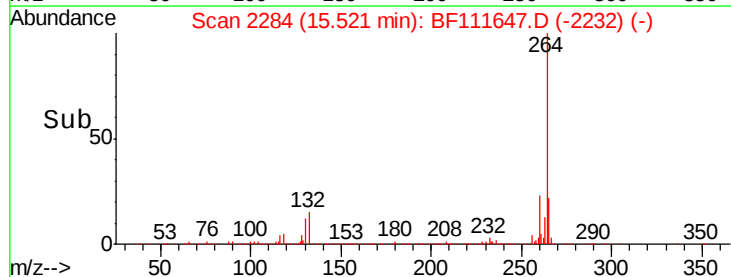
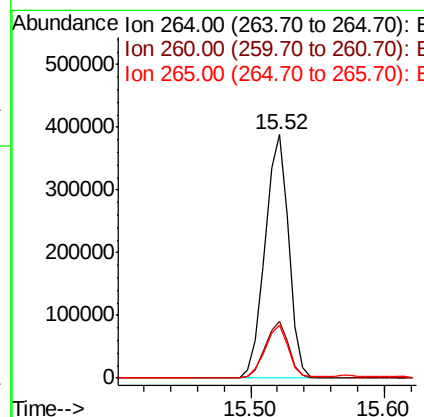
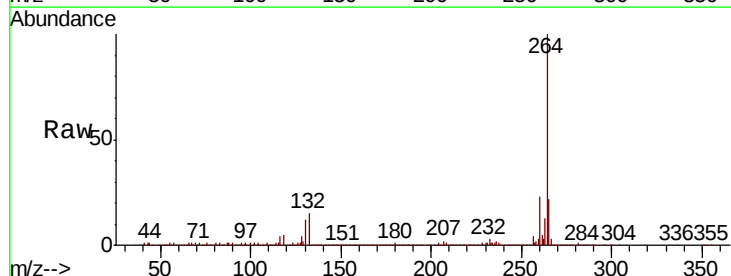
Instrument :
 BNA_F
 ClientSampleId :
 SB-07B

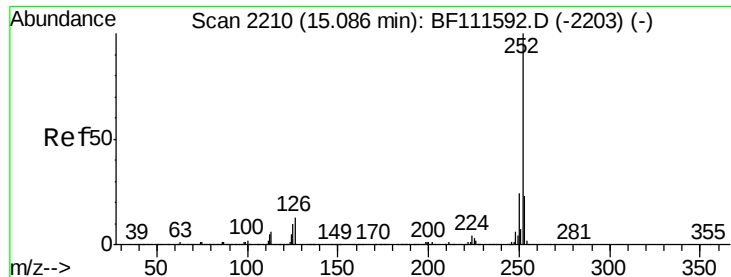
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	27.8	41.6#
277	26.1	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. 0.01 min
 Lab File: BF111647.D
 Acq: 20 Dec 2018 19:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.3	27.5
265	21.7	17.7	26.5

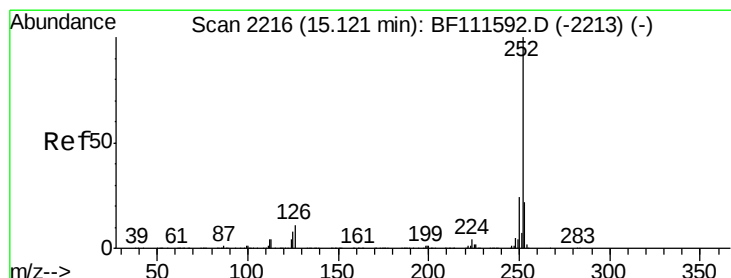
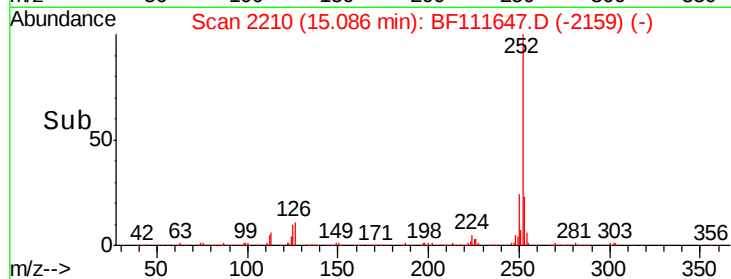
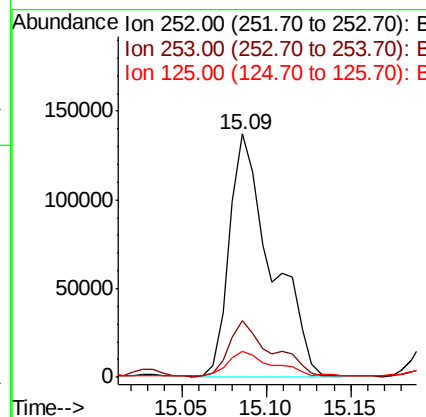
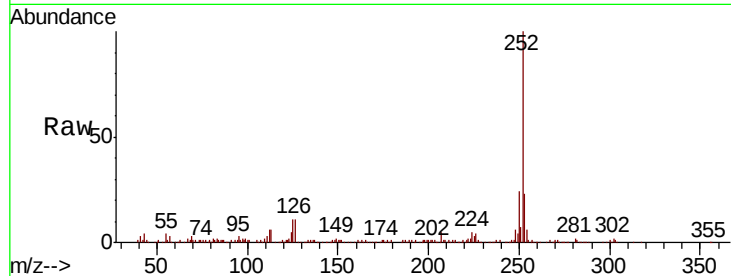




#88
Benzo(b)fluoranthene
Concen: 8.536 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

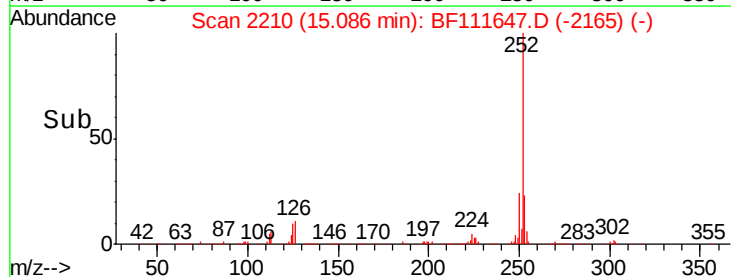
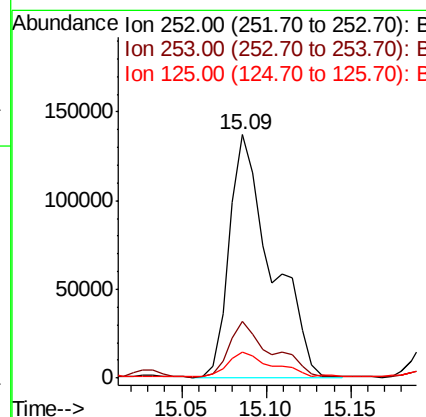
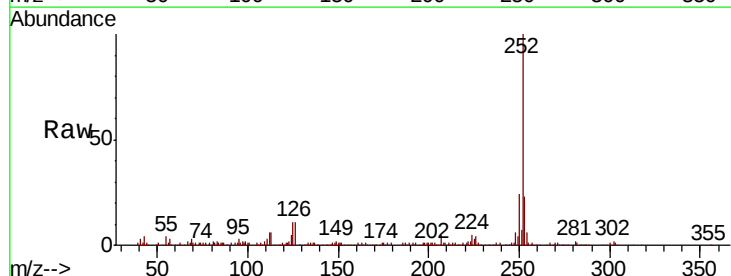
Instrument :
BNA_F
ClientSampleId :
SB-07B

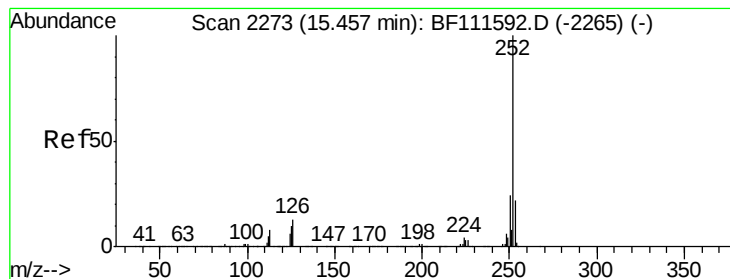
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	10.7	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 8.966 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	10.7	9.8	14.8

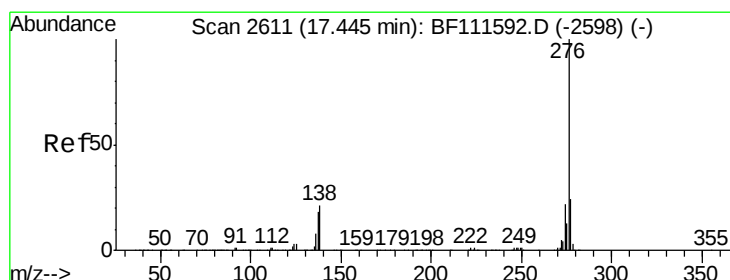
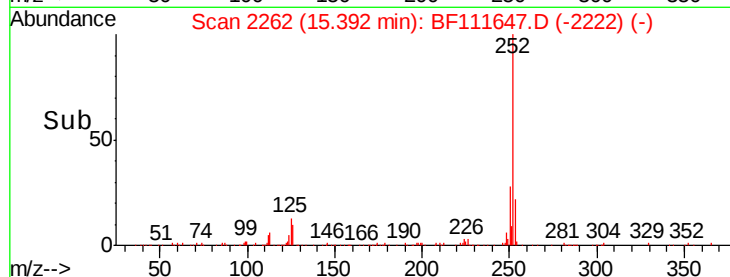
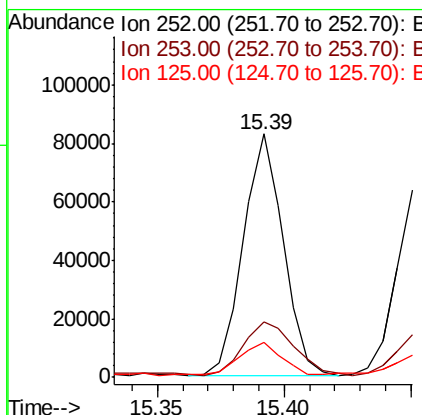
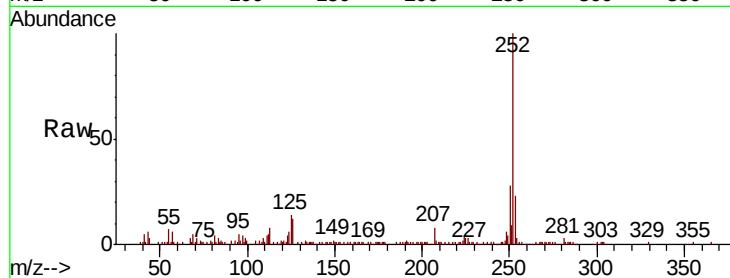




#90
Benzo(a)pyrene
Concen: 3.635 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.06 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SB-07B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	14.4	12.3	18.5



#92
Benzo(g,h,i)perylene
Concen: 2.700 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF111647.D
Acq: 20 Dec 2018 19:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	25.5	24.9	37.3

