

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112866.D
 Acq On : 5 Mar 2019 21:45
 Operator : JU/SJ
 Sample : K1705-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW013-022719

Quant Time: Mar 06 01:46:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	168530	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	659139	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	318265	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	597570	20.00	ng	0.00
76) Chrysene-d12	13.87	240	450738	20.00	ng	0.00
87) Perylene-d12	15.29	264	479650	20.00	ng	0.01

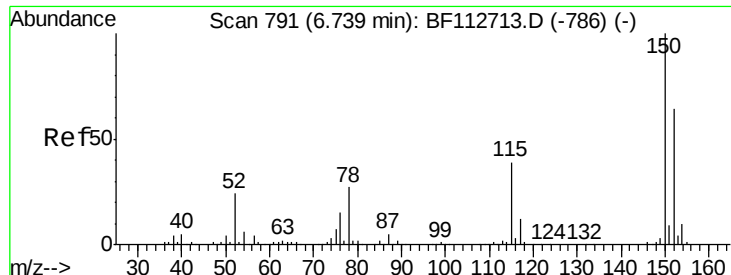
System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	809118	74.68	ng	0.00
7) Phenol-d6	6.37	99	1076716	79.12	ng	0.00
23) Nitrobenzene-d5	7.29	82	647345	58.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	329225	97.44	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1195559	57.06	ng	0.00
79) Terphenyl-d14	12.83	244	1090233	46.89	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	85730	9.946	ng	# 78
25) Isophorone	7.29	82	624353	26.310	ng	# 66
50) Dimethylphthalate	9.49	163	88618	3.776	ng	98
51) 2,6-Dinitrotoluene	9.77	165	40547	8.297	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	40548	6.675	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	634	4.846	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	19281	3.063	ng	# 1
71) Phenanthrene	11.27	178	281575	9.471	ng	99
72) Anthracene	11.32	178	65009	2.089	ng	98
75) Fluoranthene	12.45	202	276808	8.690	ng	97
78) Pyrene	12.68	202	228629	6.017	ng	98
81) Benzo(a)anthracene	13.86	228	129688	4.151	ng	99
83) Chrysene	13.90	228	108826	3.556	ng	98
84) Bis(2-ethylhexyl)phthalate	13.87	149	72204	3.670	ng	97
88) Benzo(b)fluoranthene	14.88	252	171818	5.538	ng	96
89) Benzo(k)fluoranthene	14.88	252	171818	6.114	ng	97
90) Benzo(a)pyrene	15.22	252	90967	3.315	ng	98

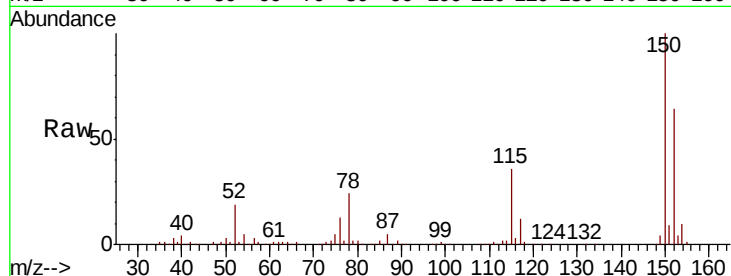
(#) = qualifier out of range (m) = manual integration (+) = signals summed



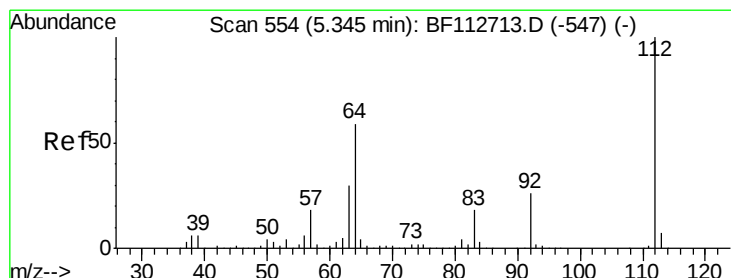
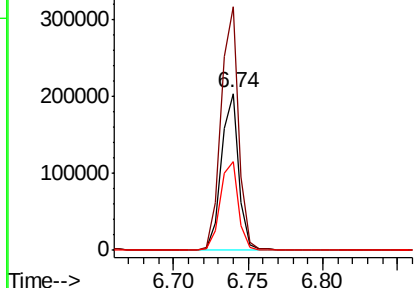
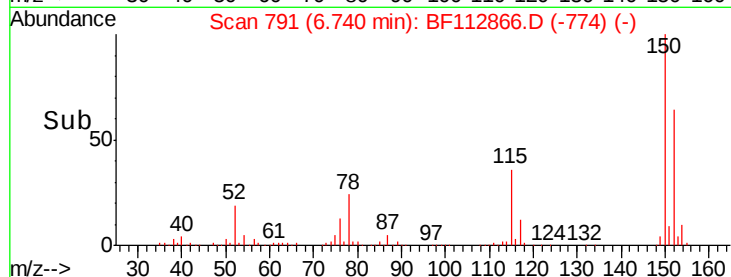
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF112866.D
 Acq: 5 Mar 2019 21:45

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW013-022719

Tgt Ion:152 Resp: 168530
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.2 186.2
 115 56.6 48.2 72.4

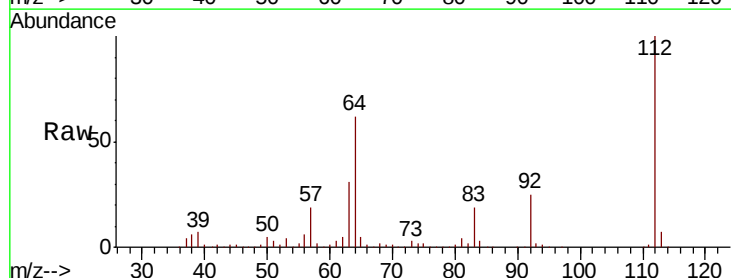


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

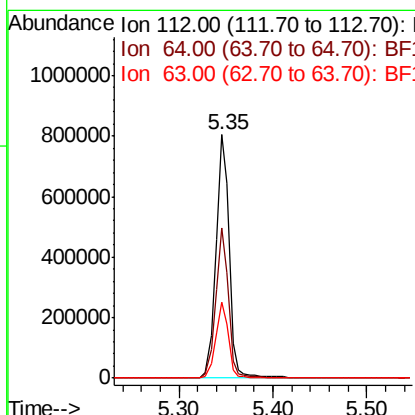
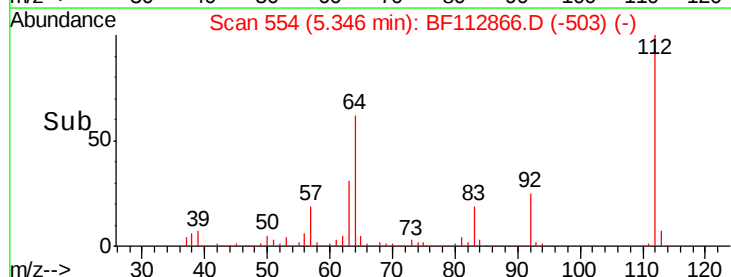


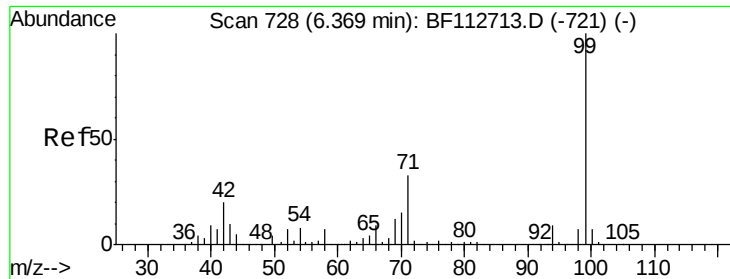
#5
 2-Fluorophenol
 Concen: 74.682 ng
 RT: 5.35 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF112866.D
 Acq: 5 Mar 2019 21:45

Tgt Ion:112 Resp: 809118
 Ion Ratio Lower Upper
 112 100
 64 61.6 47.6 71.4
 63 31.2 24.4 36.6



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: 79.115 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW013-022719

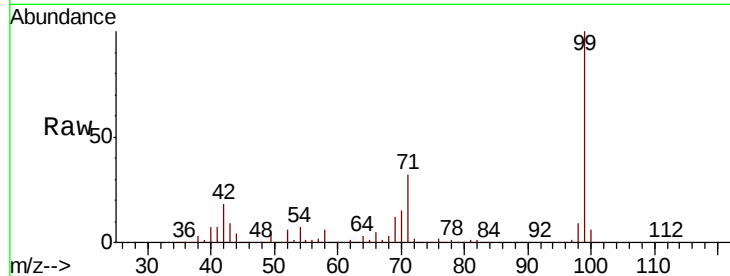
Tgt Ion: 99 Resp: 1076716

Ion Ratio Lower Upper

99 100

42 18.3 16.3 24.5

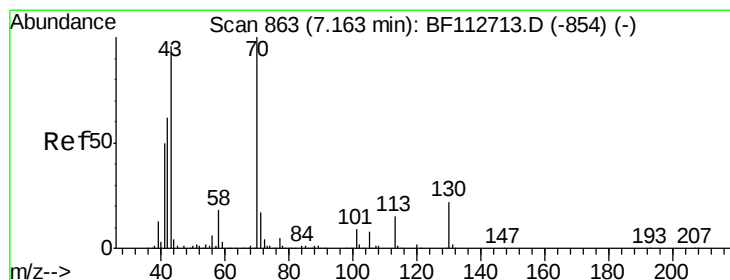
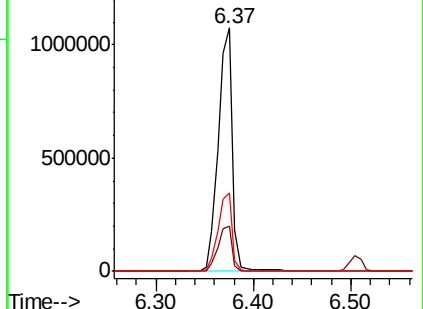
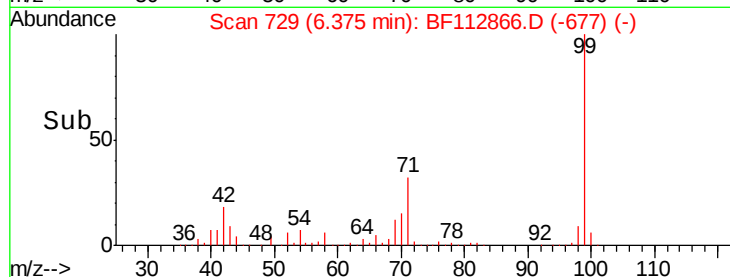
71 32.0 26.2 39.4



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: 9.946 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.13 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

Tgt Ion: 70 Resp: 85730

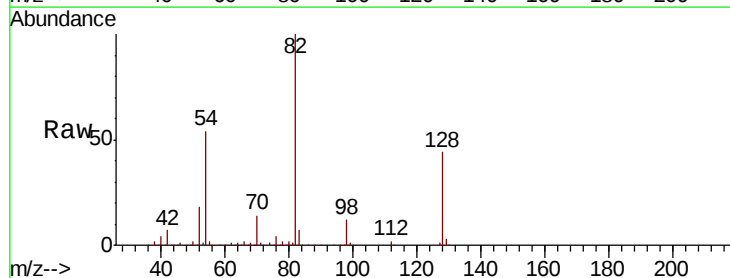
Ion Ratio Lower Upper

70 100

42 50.7 49.9 74.9

101 0.0 7.4 11.2#

130 1.9 17.4 26.2#

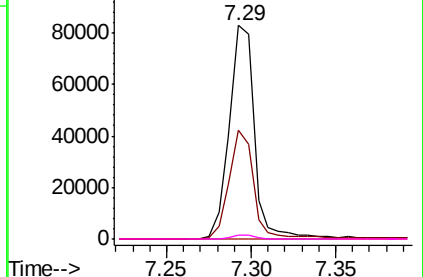
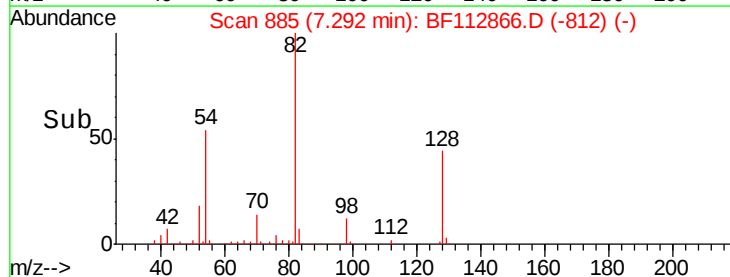


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

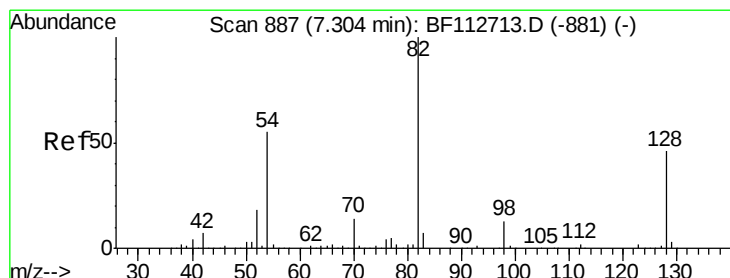
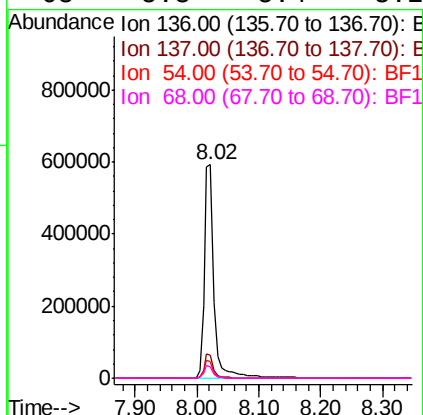
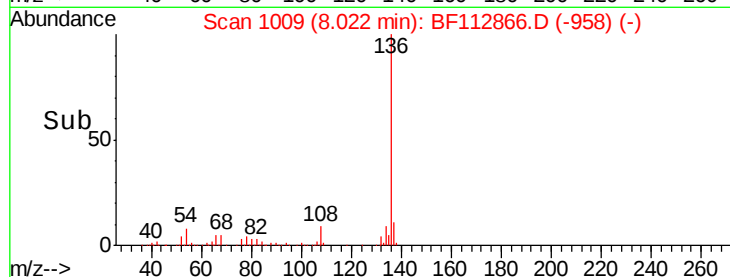
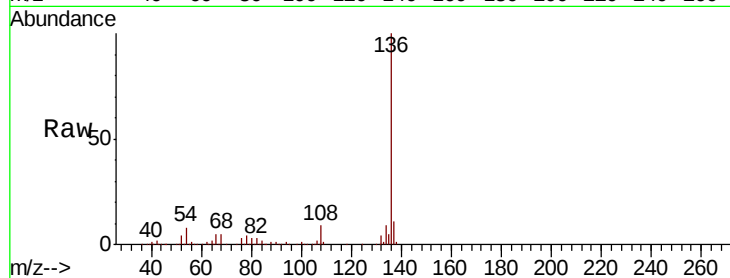




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112866.D
Acq: 5 Mar 2019 21:45

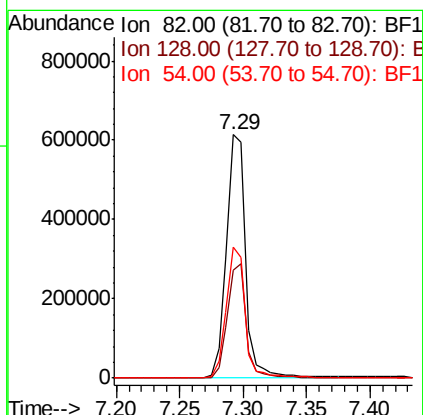
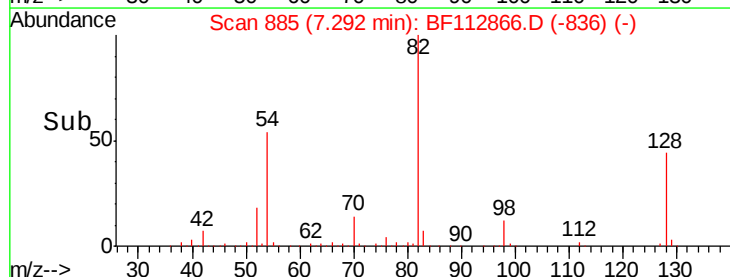
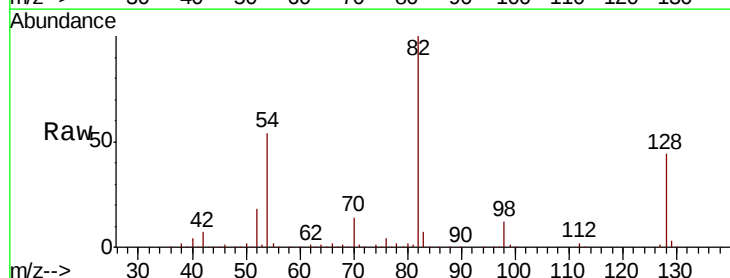
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW013-022719

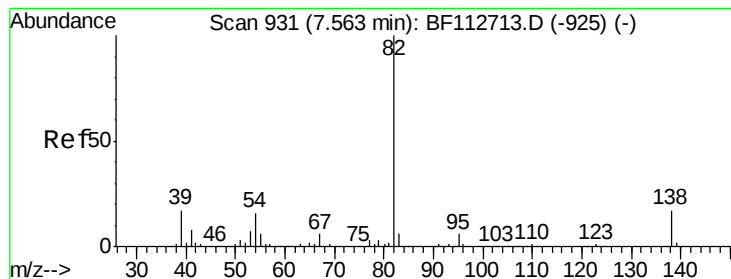
Tgt Ion:	136	Resp:	659139
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.5	7.3	10.9
68	5.3	5.4	8.2#



#23
Nitrobenzene-d5
Concen: 58.767 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112866.D
Acq: 5 Mar 2019 21:45

Tgt Ion:	82	Resp:	647345
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.3	54.5
54	54.0	43.7	65.5





#25

Isophorone

Concen: 26.310 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW013-022719

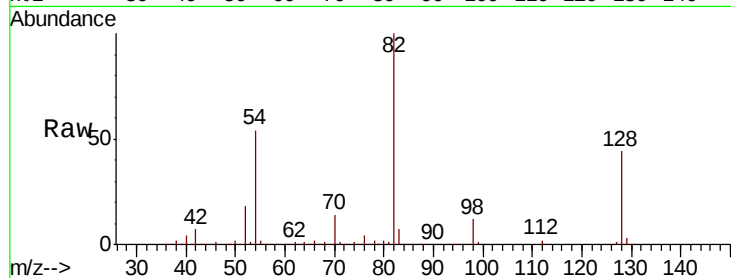
Tgt Ion: 82 Resp: 624353

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

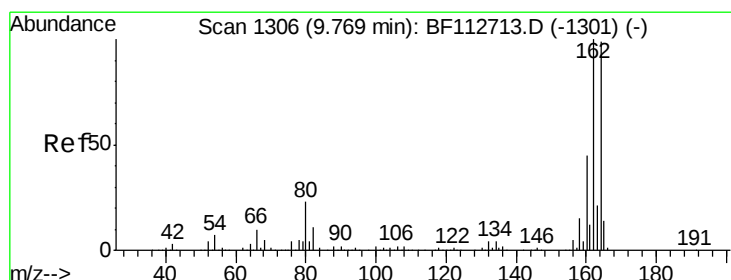
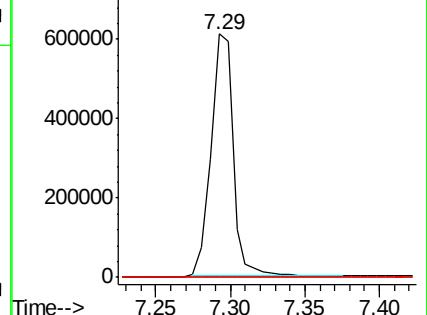
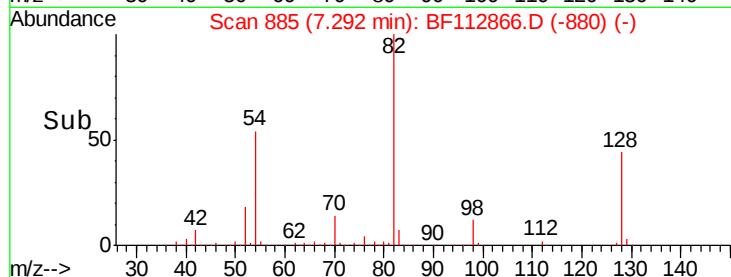
138 0.0 13.8 20.8#



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: 9.77 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

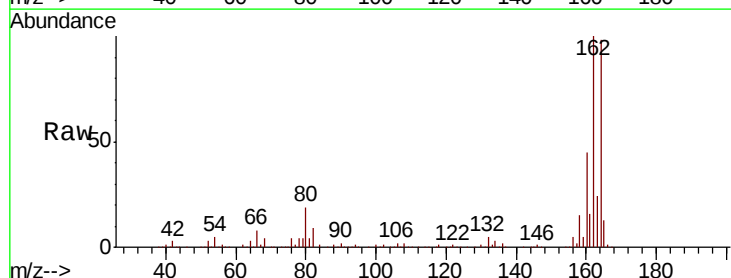
Tgt Ion: 164 Resp: 318265

Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

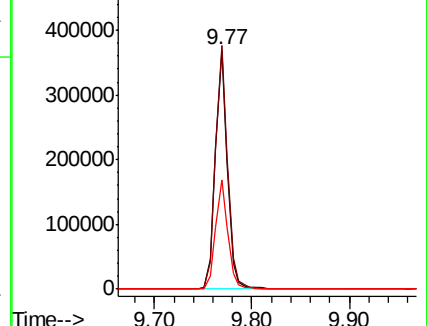
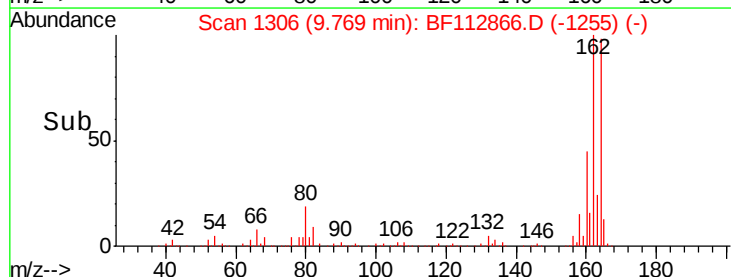
160 45.9 36.0 54.0



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

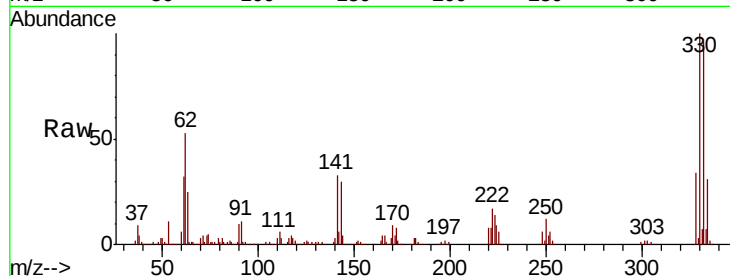




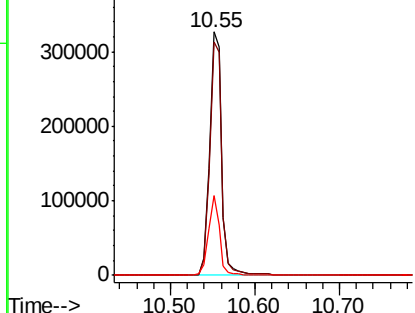
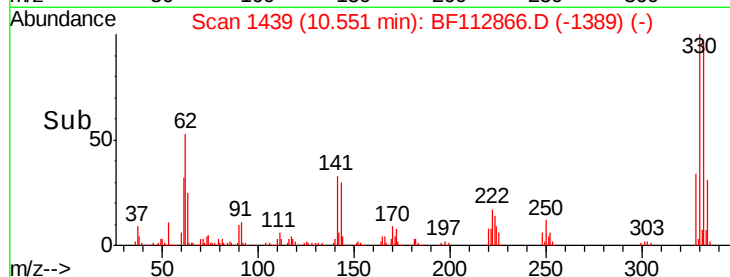
#42
 2,4,6-Tribromophenol
 Concen: 97.439 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF112866.D
 Acq: 5 Mar 2019 21:45

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW013-022719

Tgt Ion:330 Resp: 329225
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.2 114.4
 141 30.1 27.0 40.6

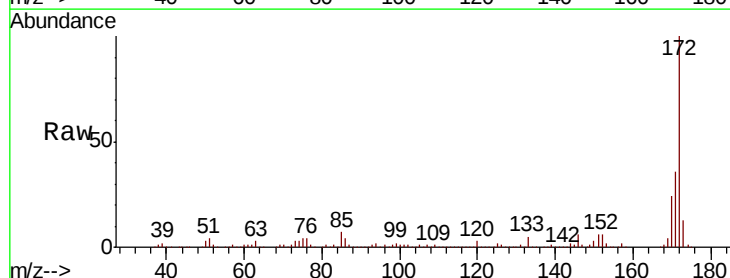


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

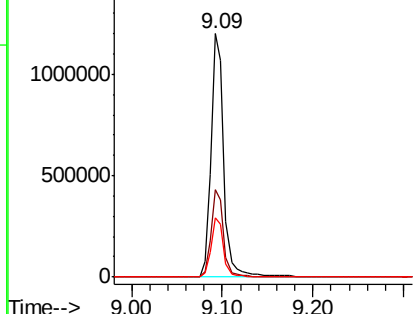
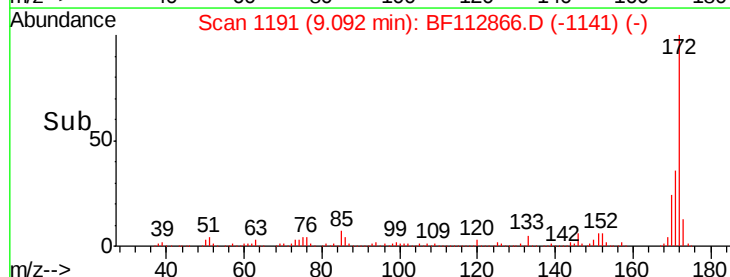


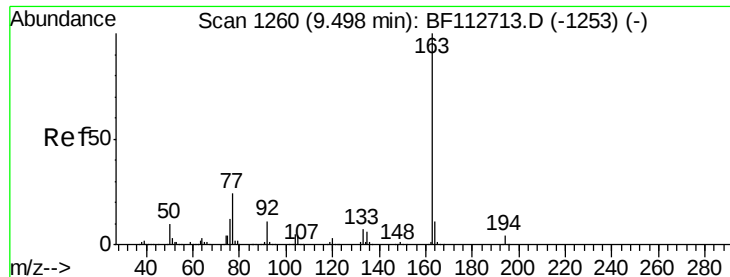
#45
 2-Fluorobiphenyl
 Concen: 57.062 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF112866.D
 Acq: 5 Mar 2019 21:45

Tgt Ion:172 Resp: 1195559
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.4
 170 24.3 20.0 30.0



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





#50

Dimethylphthalate

Concen: 3.776 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW013-022719

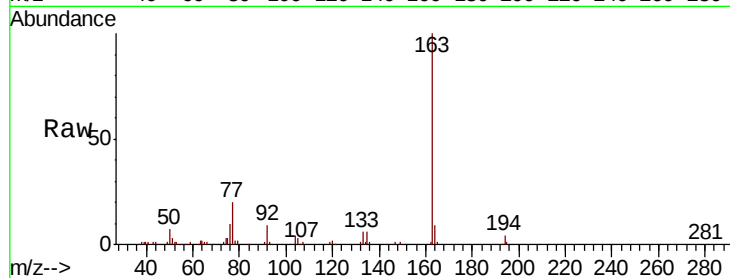
Tgt Ion:163 Resp: 88618

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

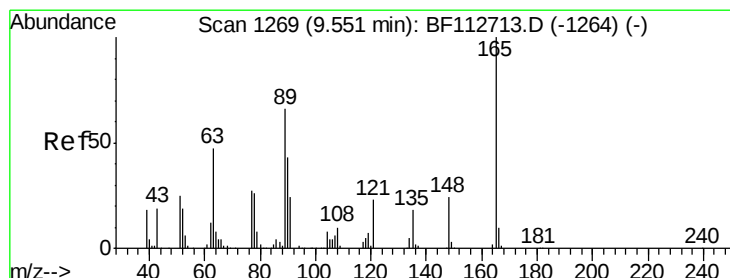
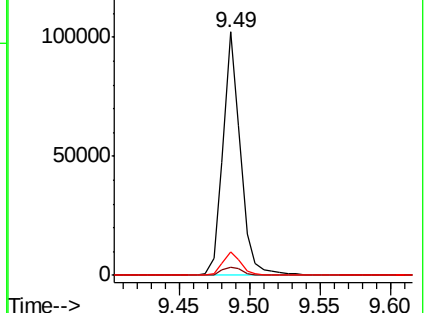
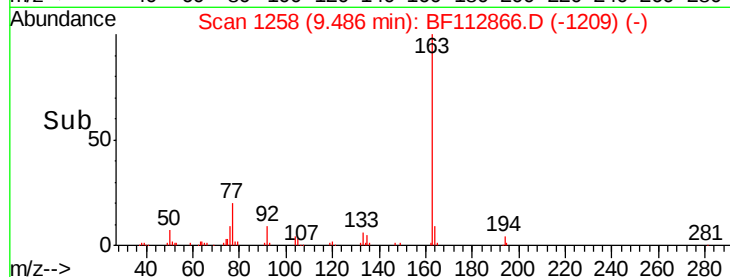
164 9.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.297 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.22 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

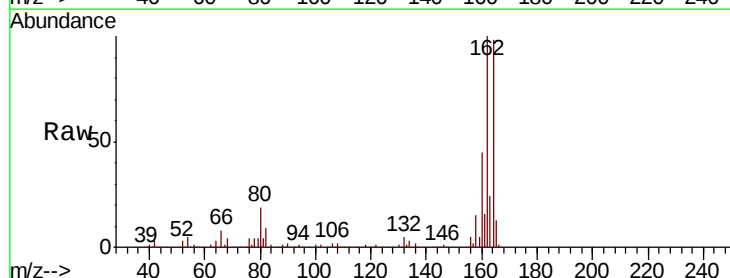
Tgt Ion:165 Resp: 40547

Ion Ratio Lower Upper

165 100

63 1.4 54.1 81.1#

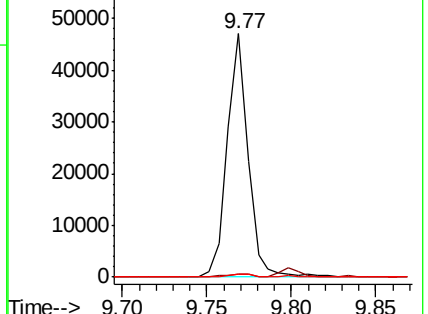
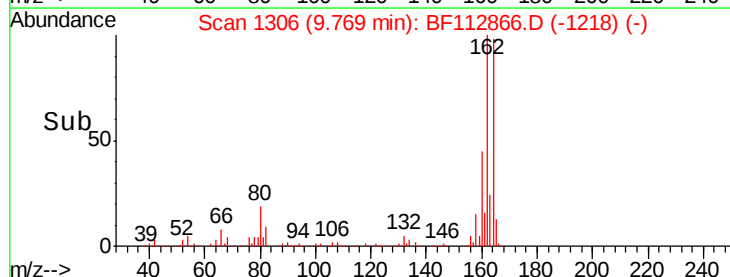
89 1.4 52.8 79.2#



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

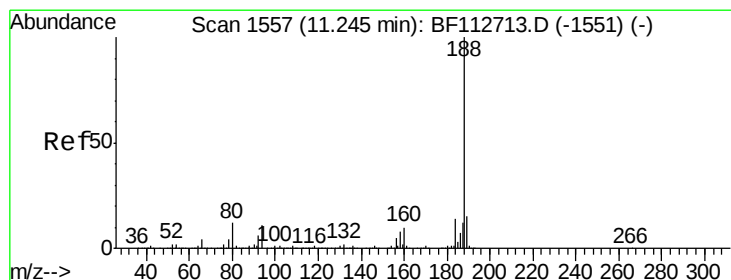
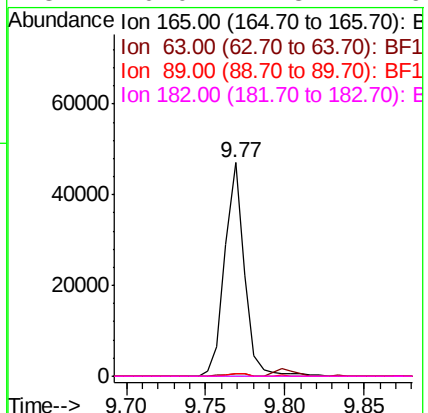
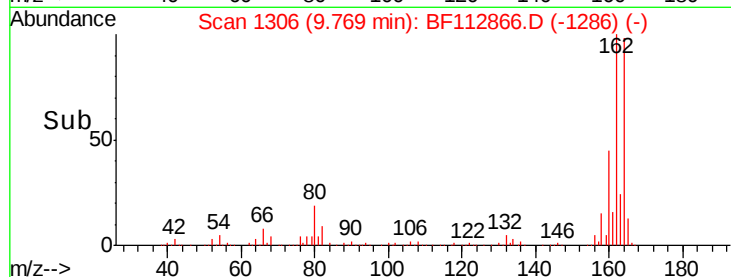
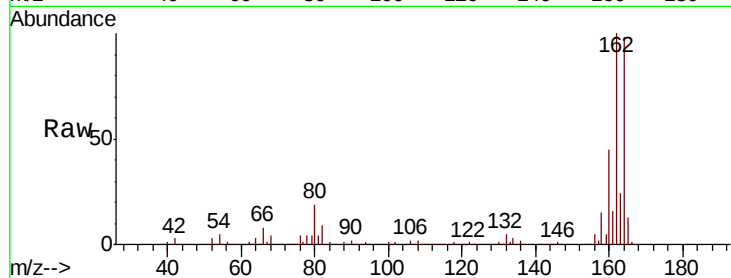




#57
2,4-Dinitrotoluene
Concen: 6.675 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112866.D
Acq: 5 Mar 2019 21:45

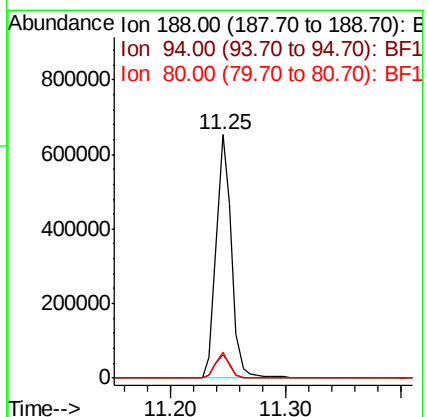
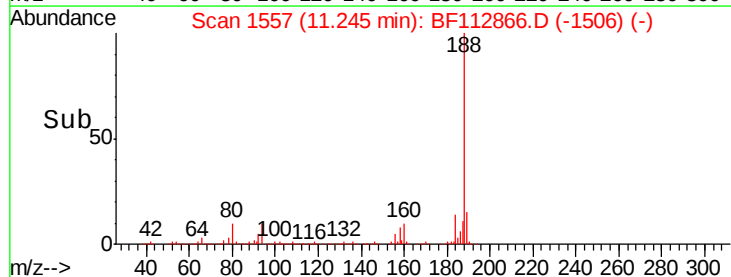
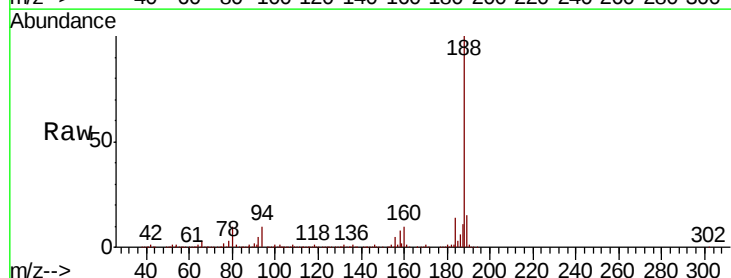
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW013-022719

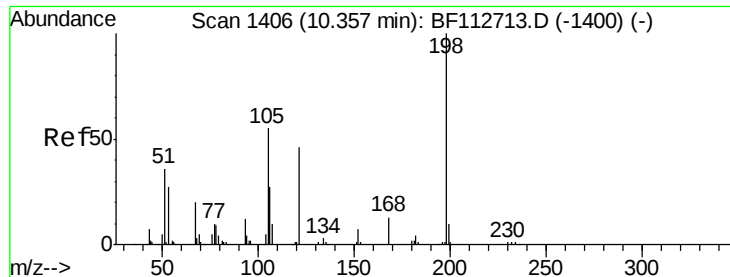
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.2#
89	1.4	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF112866.D
Acq: 5 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	9.0	13.4
80	10.4	9.2	13.8

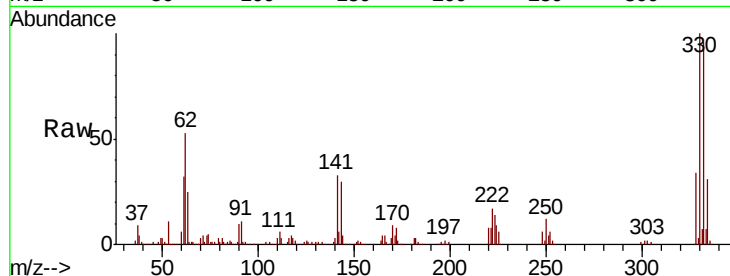




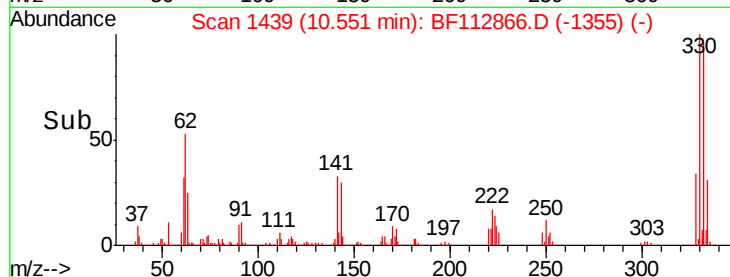
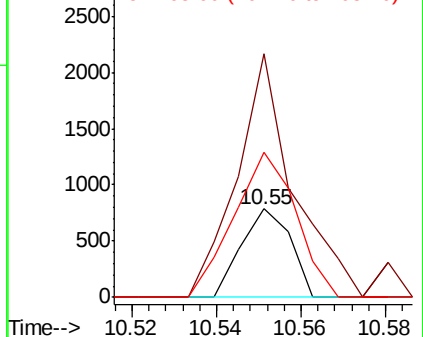
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.846 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.20 min
 Lab File: BF112866.D
 Acq: 5 Mar 2019 21:45

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW013-022719

Tgt Ion:198 Resp: 634
 Ion Ratio Lower Upper
 198 100
 51 275.9 43.8 83.8#
 105 163.7 36.5 76.5#

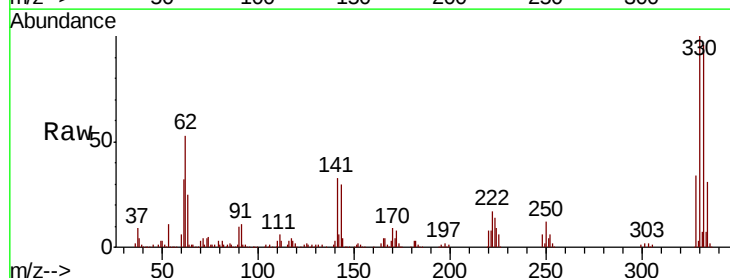


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

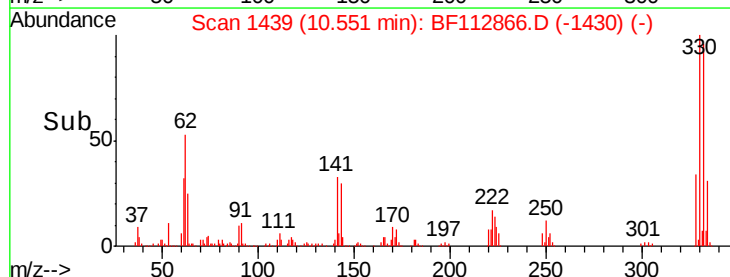
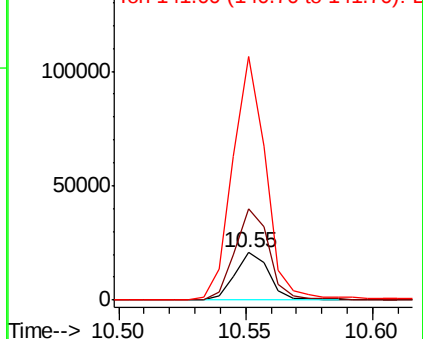


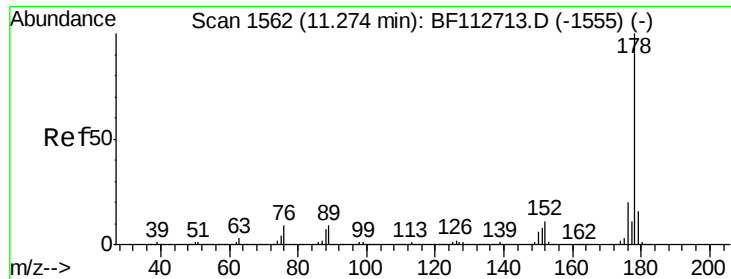
#67
 4-Bromophenyl-phenylether
 Concen: 3.063 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF112866.D
 Acq: 5 Mar 2019 21:45

Tgt Ion:248 Resp: 19281
 Ion Ratio Lower Upper
 248 100
 250 190.7 77.5 116.3#
 141 511.0 62.4 93.6#



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

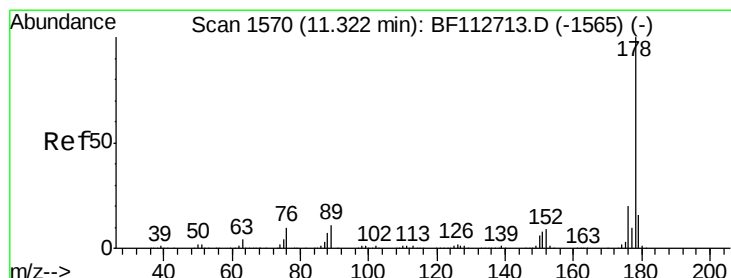
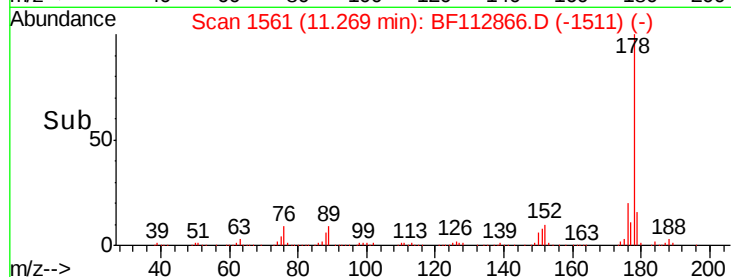
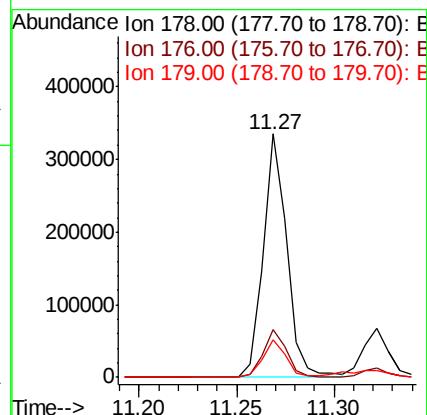
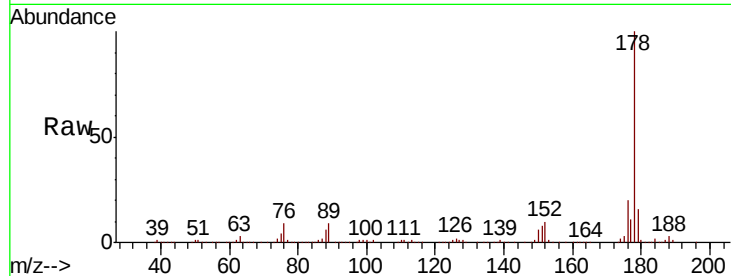




#71
Phenanthrene
Concen: 9.471 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112866.D
Acq: 5 Mar 2019 21:45

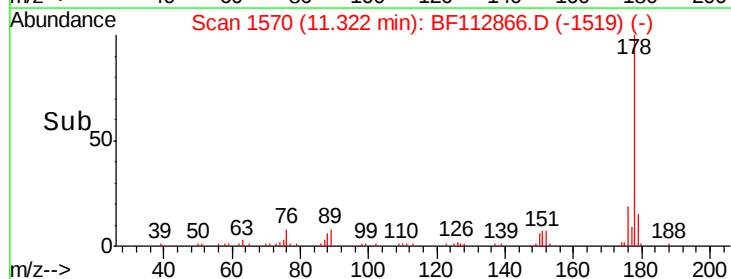
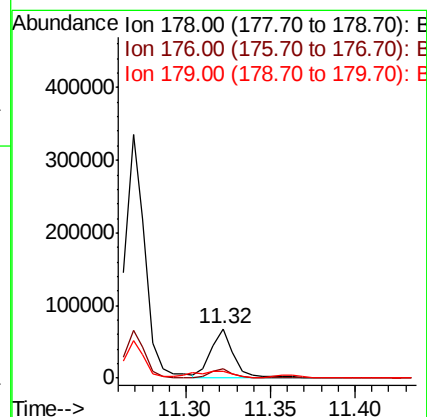
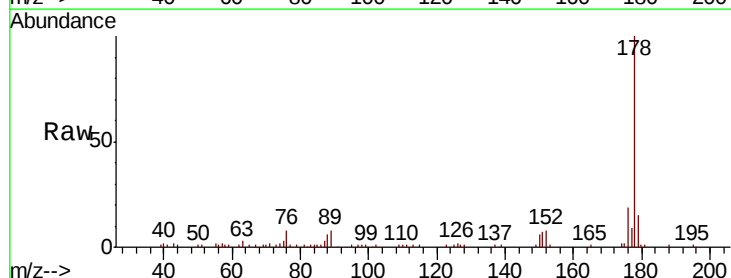
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW013-022719

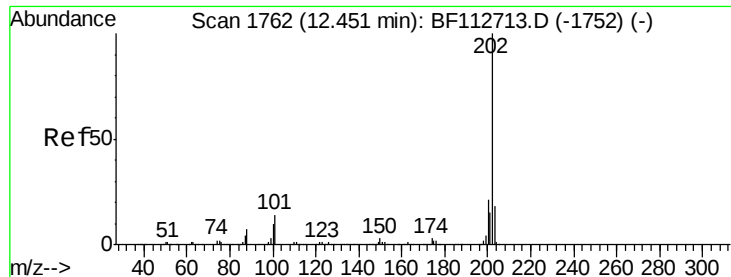
Tgt Ion:178 Resp: 281575
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 15.6 12.7 19.1



#72
Anthracene
Concen: 2.089 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF112866.D
Acq: 5 Mar 2019 21:45

Tgt Ion:178 Resp: 65009
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 14.8 13.0 19.6





#75

Fluoranthene

Concen: 8.690 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

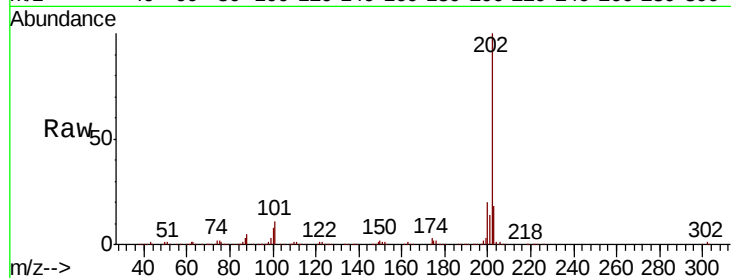
Instrument :

BNA_F

ClientSampleId :

EXT-027-SW013-022719

Tgt Ion:	202	Resp:	276808
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	33.8
203	18.1	0.0	38.4

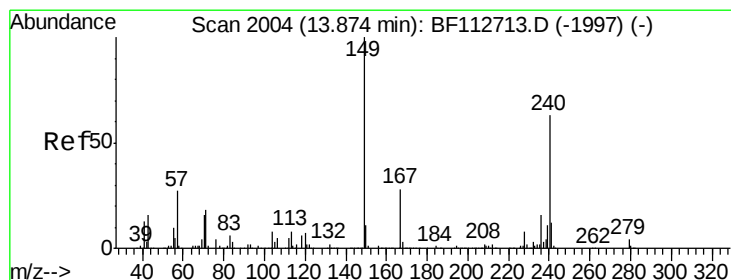
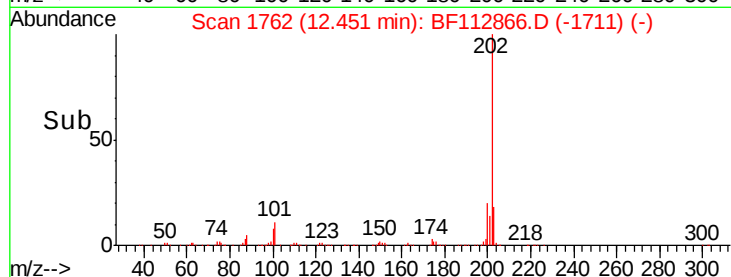
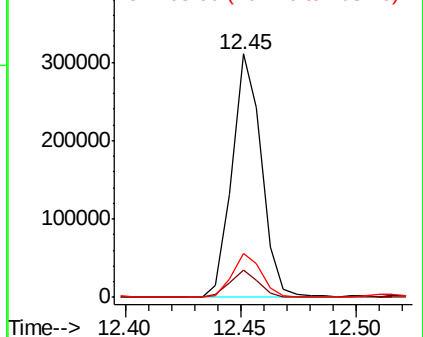


Abundance

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

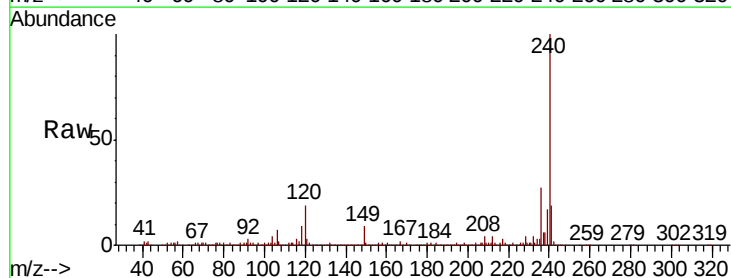
RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

Tgt Ion:	240	Resp:	450738
Ion	Ratio	Lower	Upper
240	100		
120	18.8	8.9	13.3#
236	26.5	20.7	31.1

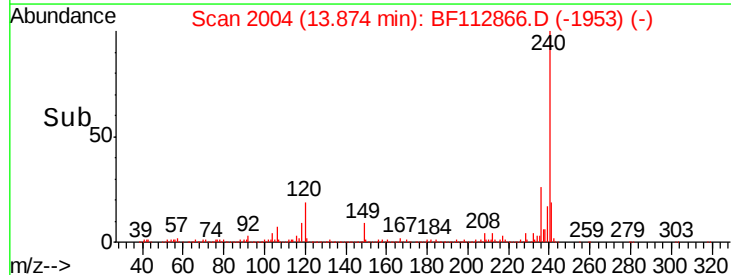
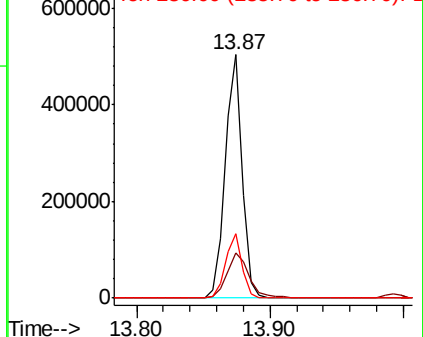


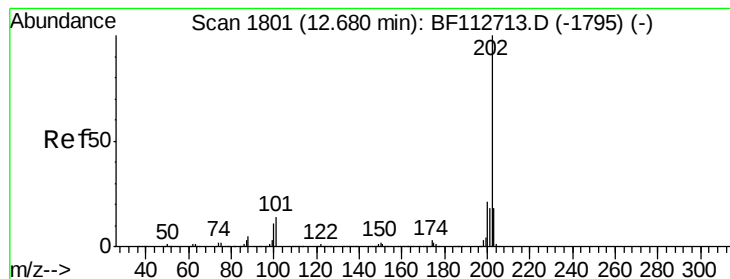
Abundance

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: 6.017 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW013-022719

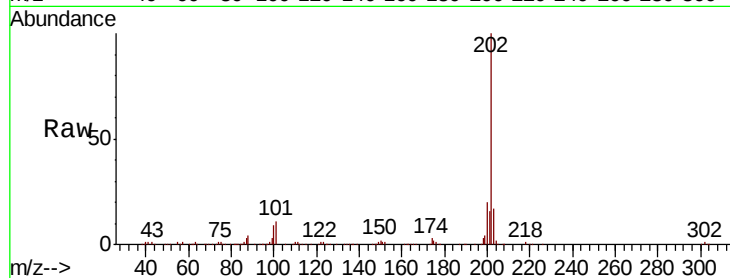
Tgt Ion:202 Resp: 228629

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

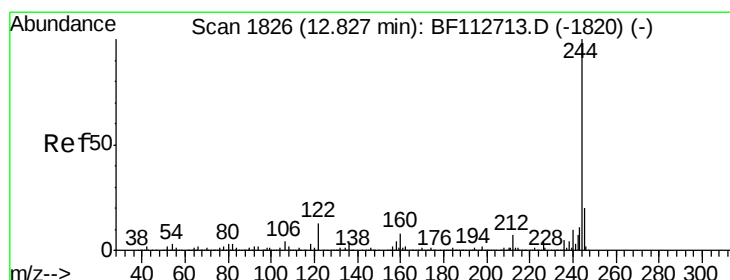
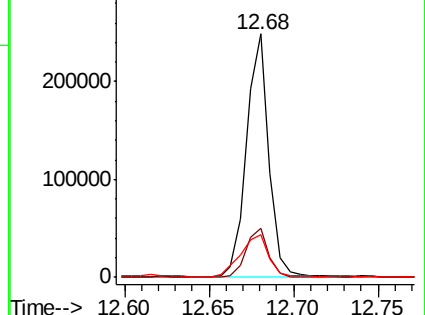
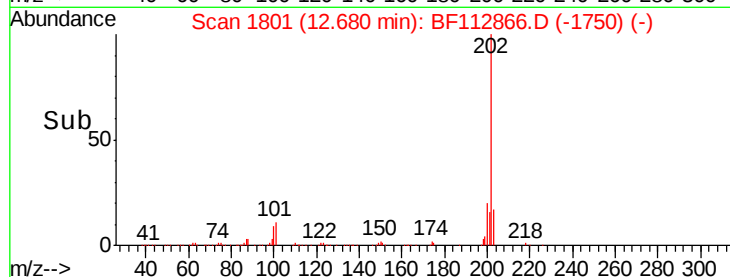
203 17.4 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 46.888 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

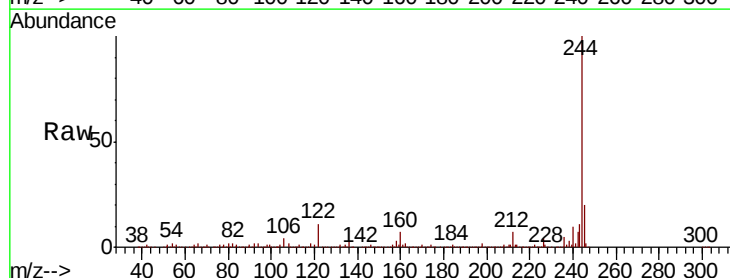
Tgt Ion:244 Resp: 1090233

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

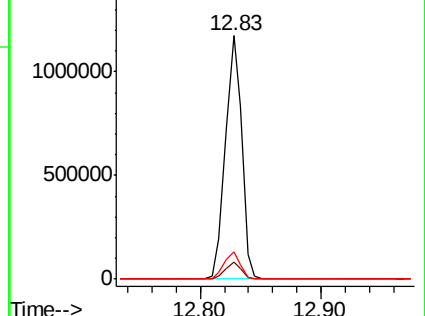
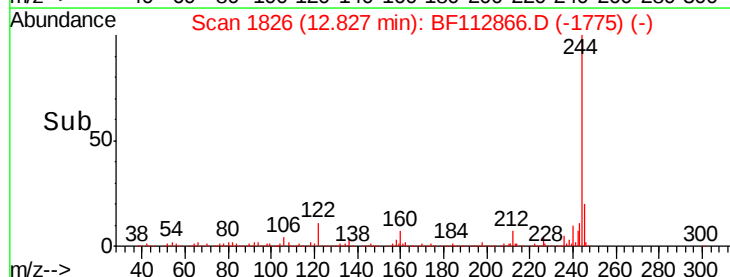
122 11.2 10.5 15.7

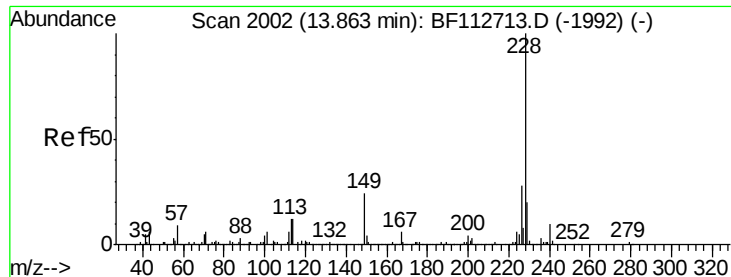


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.151 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW013-022719

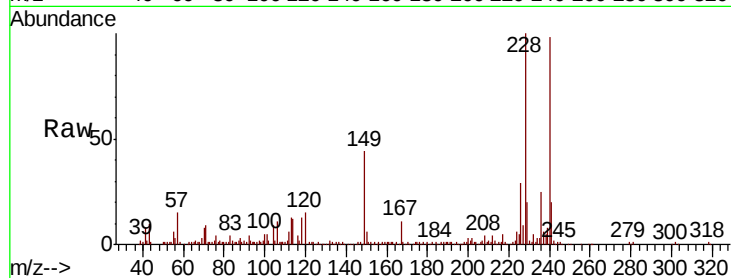
Tgt Ion:228 Resp: 129688

Ion Ratio Lower Upper

228 100

226 28.9 22.2 33.4

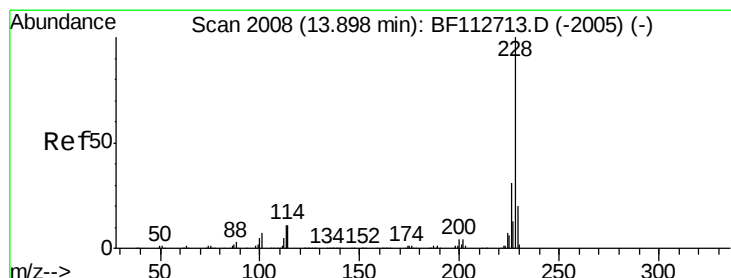
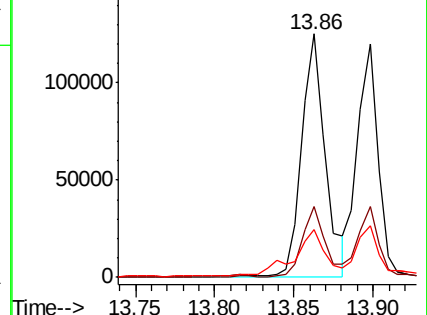
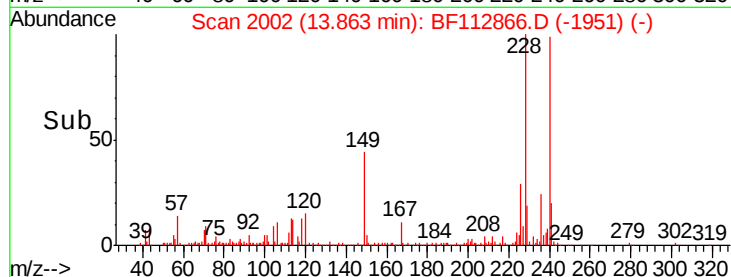
229 19.9 16.0 24.0



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: 3.556 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

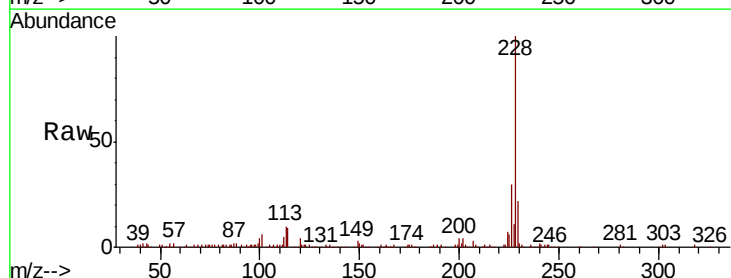
Tgt Ion:228 Resp: 108826

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

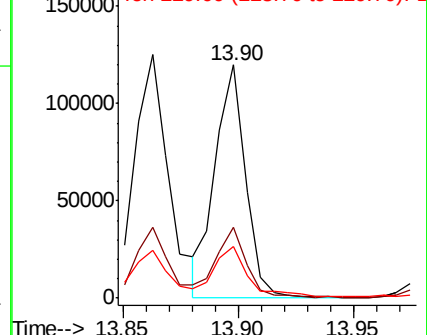
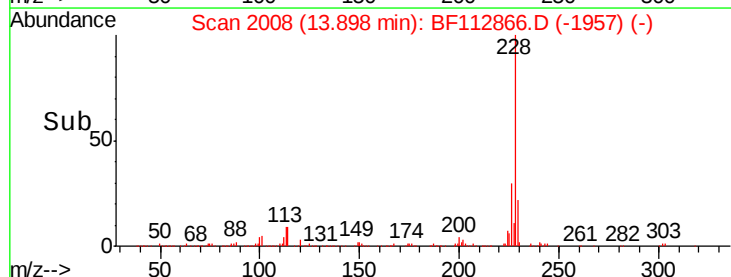
229 22.0 16.3 24.5

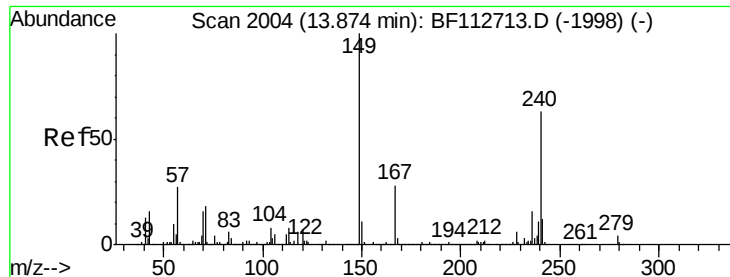


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.670 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW013-022719

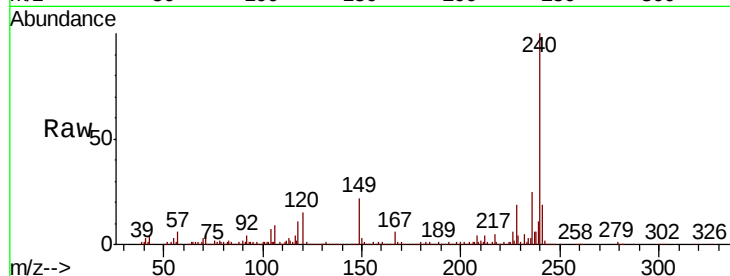
Tgt Ion:149 Resp: 72204

Ion Ratio Lower Upper

149 100

167 26.3 22.4 33.6

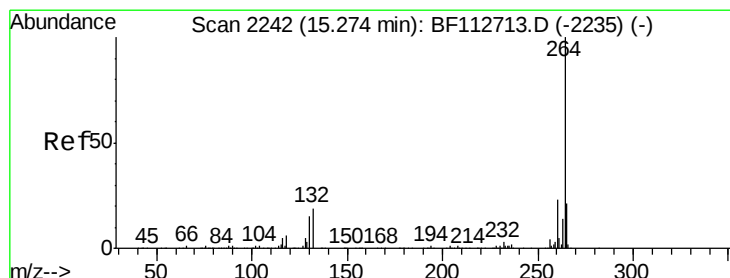
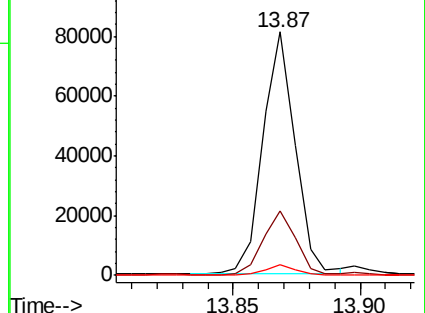
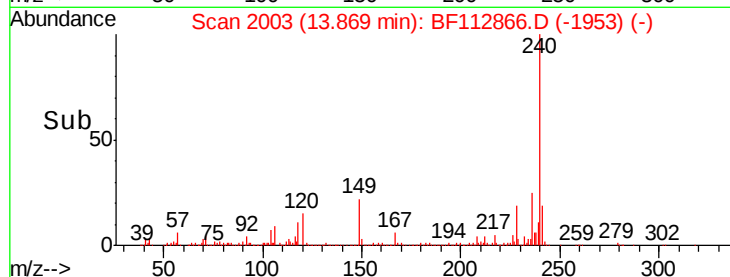
279 4.2 3.3 4.9



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112866.D

Acq: 5 Mar 2019 21:45

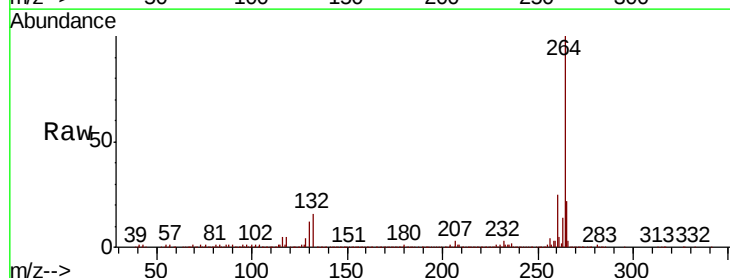
Tgt Ion:264 Resp: 479650

Ion Ratio Lower Upper

264 100

260 24.7 18.7 28.1

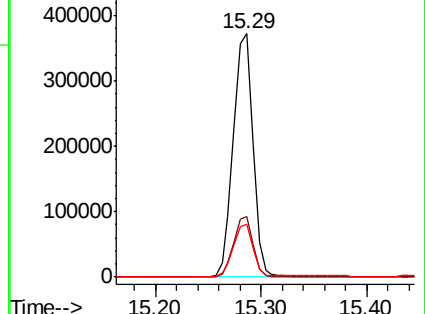
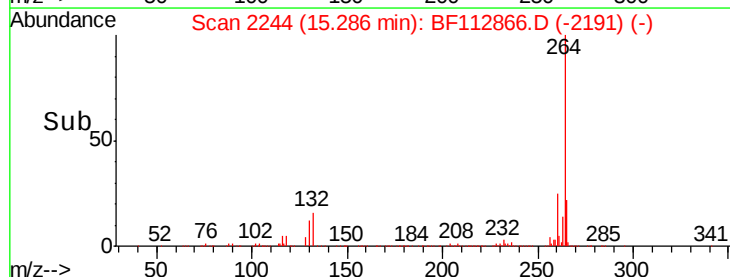
265 21.8 17.2 25.8

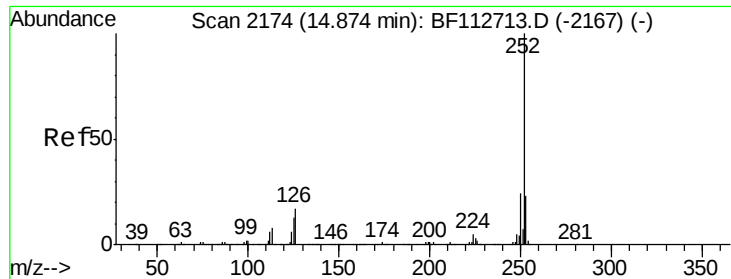


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

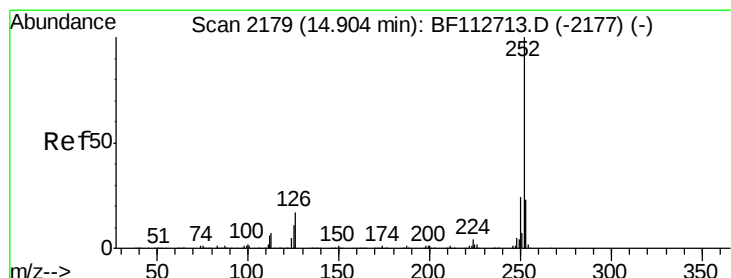
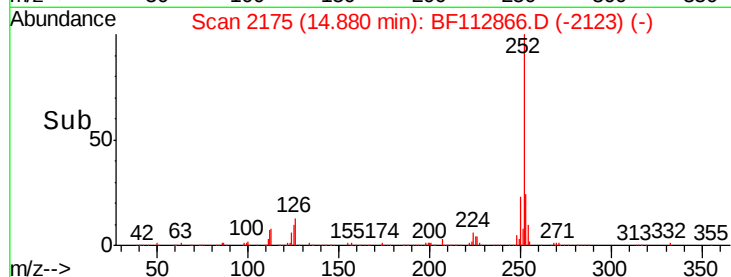
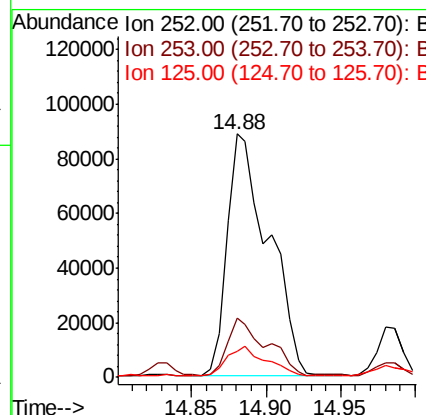
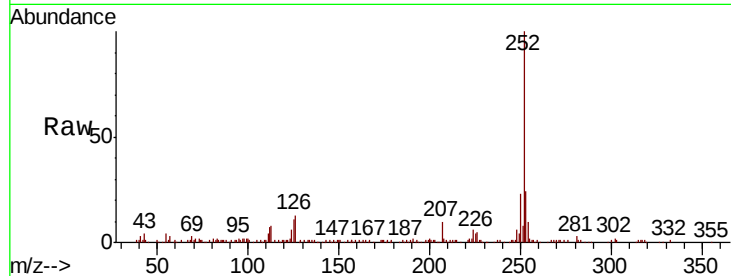




#88
Benzo(b)fluoranthene
Concen: 5.538 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112866.D
Acq: 5 Mar 2019 21:45

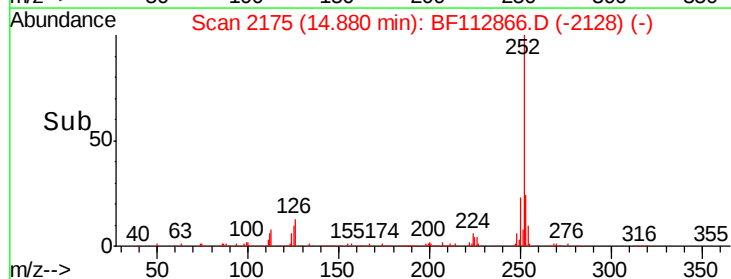
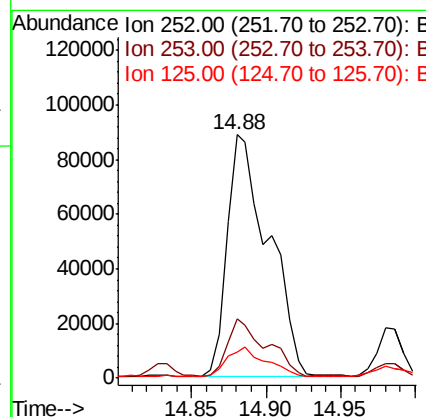
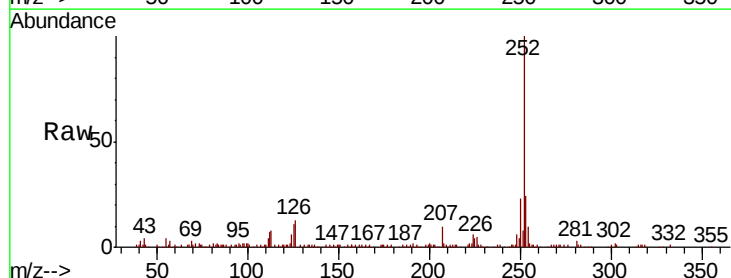
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW013-022719

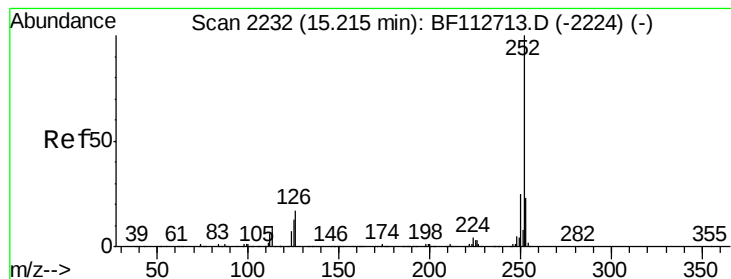
Tgt Ion:252 Resp: 171818
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 10.9 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 6.114 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112866.D
Acq: 5 Mar 2019 21:45

Tgt Ion:252 Resp: 171818
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.2
125 10.9 9.8 14.6





#90

Benzo(a)pyrene

Concen: 3.315 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF112866.D

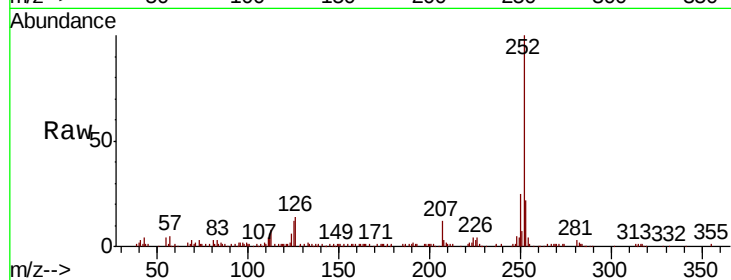
Acq: 5 Mar 2019 21:45

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW013-022719



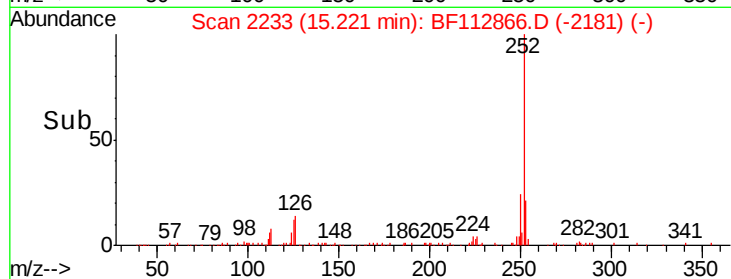
Tgt Ion: 252 Resp: 90967

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

125 12.1 10.7 16.1



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

