

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112876.D
 Acq On : 6 Mar 2019 2:28
 Operator : JU/SJ
 Sample : K1705-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

Quant Time: Mar 06 04:17:05 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	167800	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	606017	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	250765	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	461719	20.00	ng	0.00
76) Chrysene-d12	13.87	240	447033	20.00	ng	0.00
87) Perylene-d12	15.29	264	306138	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	883917	81.94	ng	0.00
7) Phenol-d6	6.37	99	1144037	84.43	ng	0.00
23) Nitrobenzene-d5	7.30	82	698079	68.93	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	281373	105.69	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1136568	72.16	ng	0.00
79) Terphenyl-d14	12.83	244	1078533	46.77	ng	0.00

Target Compounds

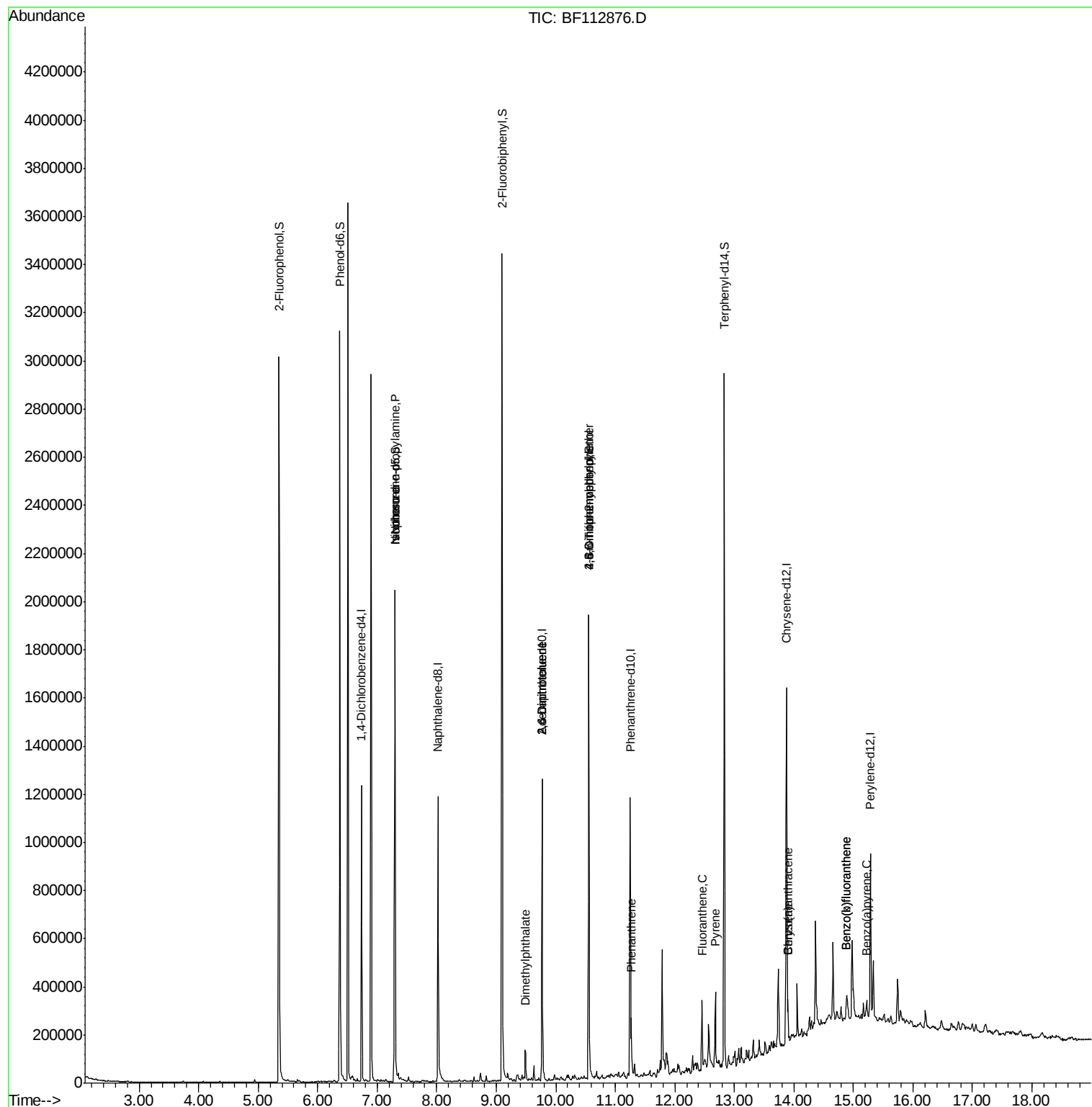
						Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	86902	10.126	ng	# 77
25) Isophorone	7.30	82	682066	31.261	ng	# 66
50) Dimethylphthalate	9.49	163	54552	2.950	ng	99
51) 2,6-Dinitrotoluene	9.77	165	33130	8.604	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	33130	6.922	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	427	4.816	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	15204	3.126	ng	# 1
71) Phenanthrene	11.27	178	83691	3.643	ng	99
75) Fluoranthene	12.46	202	117896	4.790	ng	96
78) Pyrene	12.68	202	126692	3.362	ng	99
81) Benzo(a)anthracene	13.90	228	68259	2.203	ng	94
83) Chrysene	13.90	228	68259	2.249	ng	96
88) Benzo(b)fluoranthene	14.89	252	72676	3.670	ng	97
89) Benzo(k)fluoranthene	14.89	252	72676	4.052	ng	97
90) Benzo(a)pyrene	15.23	252	36783	2.100	ng	# 94

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

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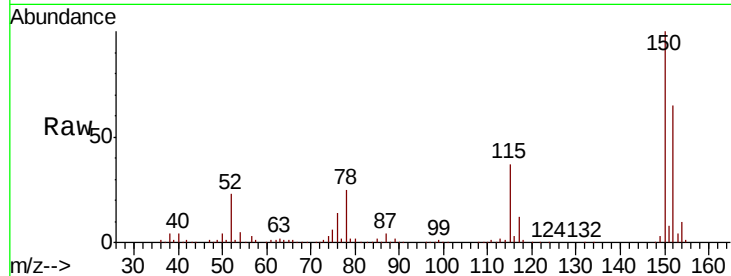


#1

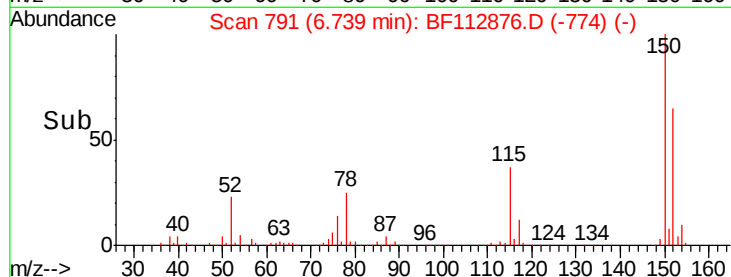
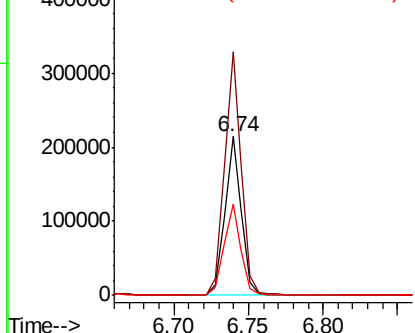
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tgt Ion:152 Resp: 167800
Ion Ratio Lower Upper
152 100
150 153.1 124.2 186.2
115 57.0 48.2 72.4



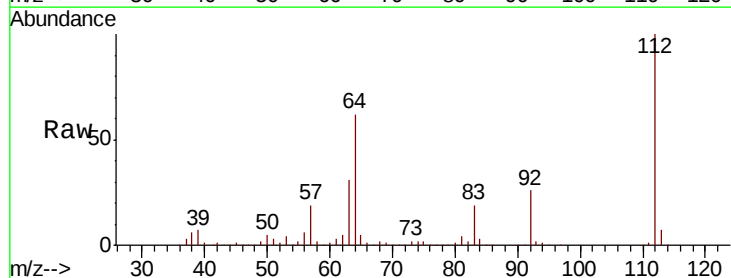
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



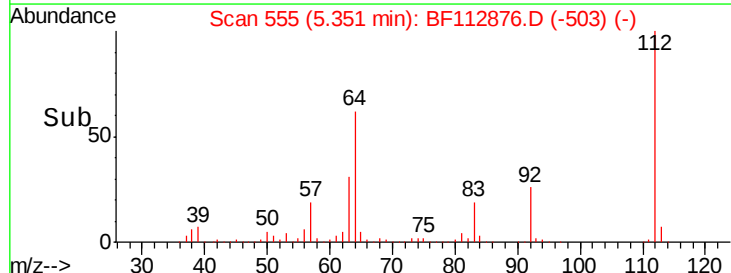
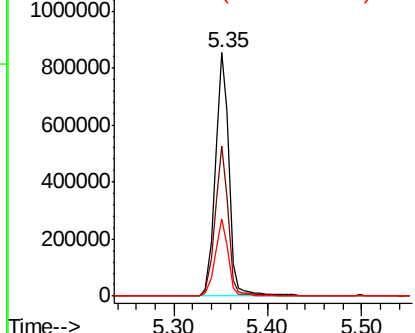
#5

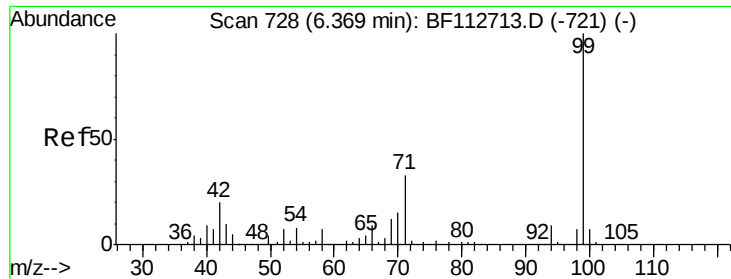
2-Fluorophenol
Concen: 81.941 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Tgt Ion:112 Resp: 883917
Ion Ratio Lower Upper
112 100
64 61.8 47.6 71.4
63 31.5 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: 84.427 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW014-022719

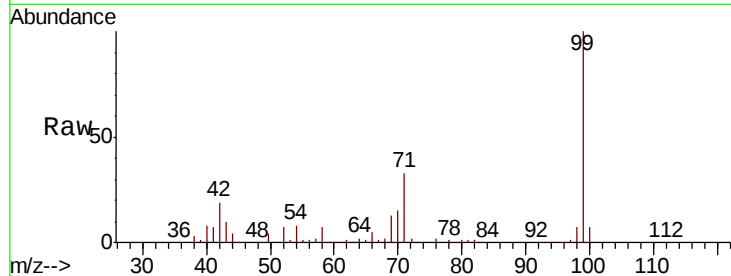
Tgt Ion: 99 Resp: 1144037

Ion Ratio Lower Upper

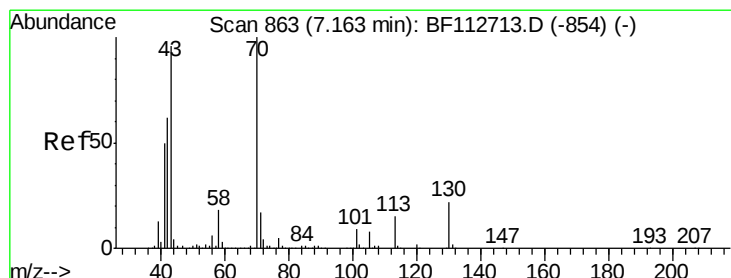
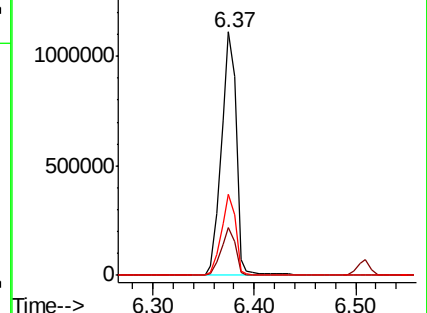
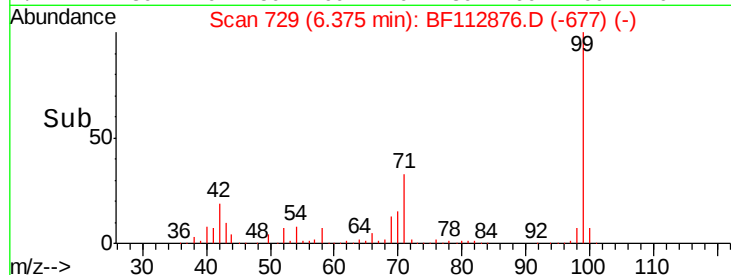
99 100

42 19.5 16.3 24.5

71 33.3 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: 10.126 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

Tgt Ion: 70 Resp: 86902

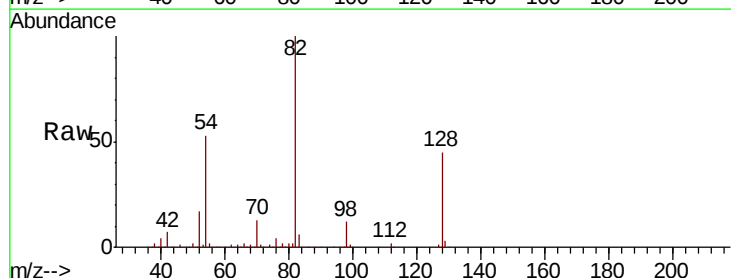
Ion Ratio Lower Upper

70 100

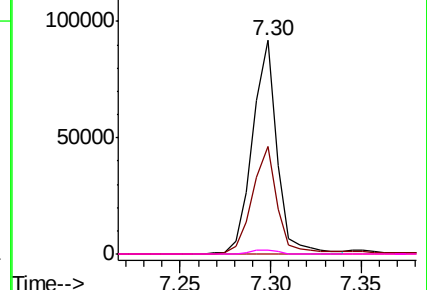
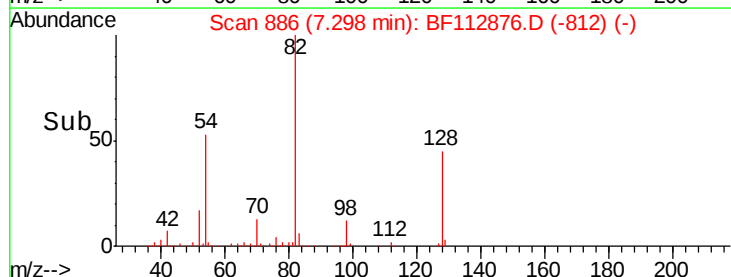
42 50.2 49.9 74.9

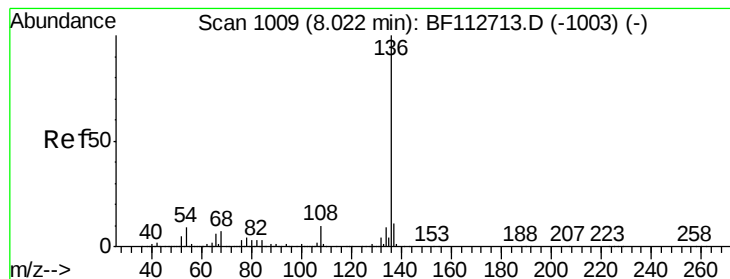
101 0.0 7.4 11.2#

130 2.1 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: BF112876.D

Acq: 6 Mar 2019 2:28

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW014-022719

Tgt Ion: 136 Resp: 606017

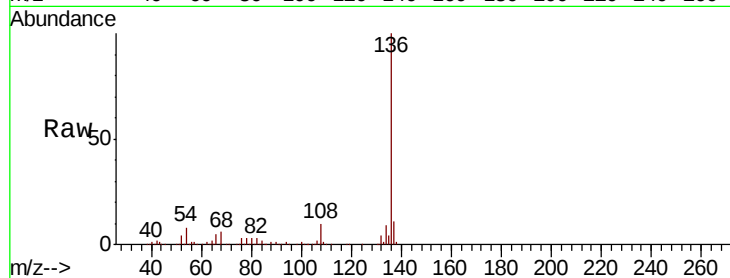
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.9 7.3 10.9

68 5.8 5.4 8.2

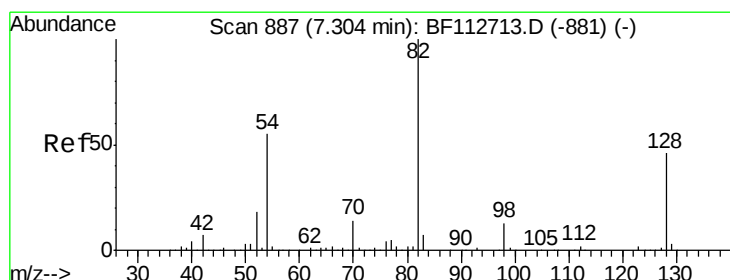
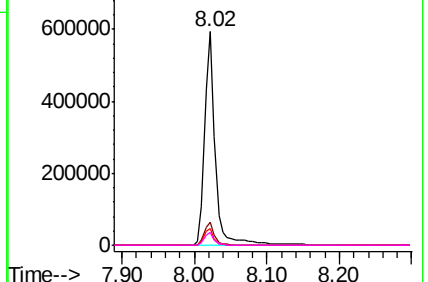
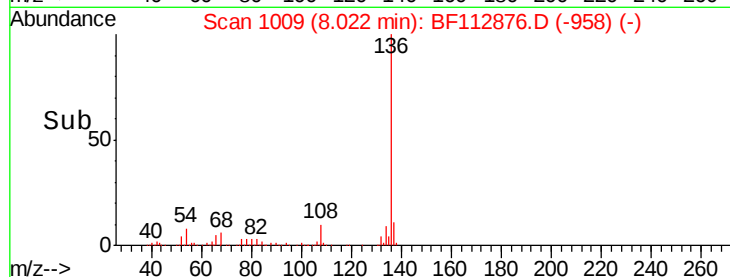


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 68.928 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

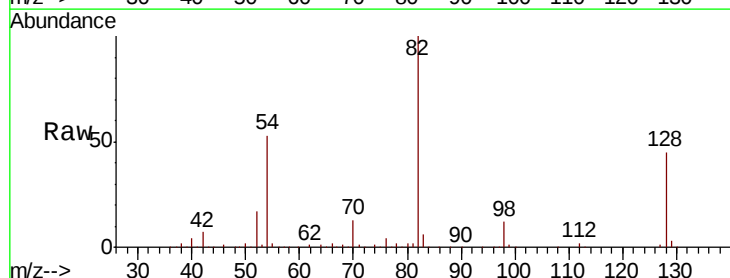
Tgt Ion: 82 Resp: 698079

Ion Ratio Lower Upper

82 100

128 45.5 36.3 54.5

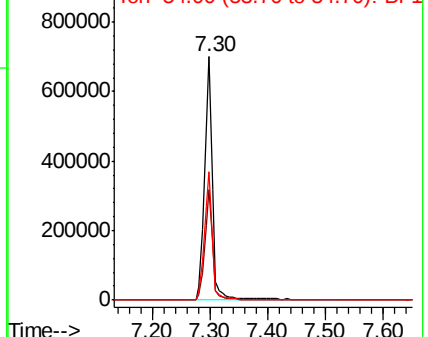
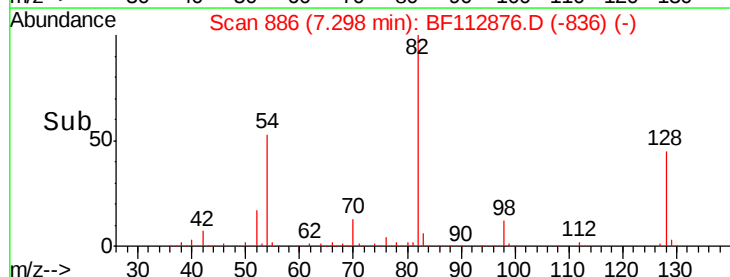
54 52.9 43.7 65.5



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: 31.261 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

Instrument :

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ClientSampleId :

EXT-027-SW014-022719

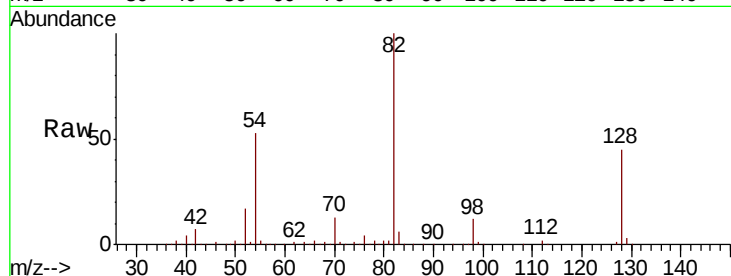
Tgt Ion: 82 Resp: 682066

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

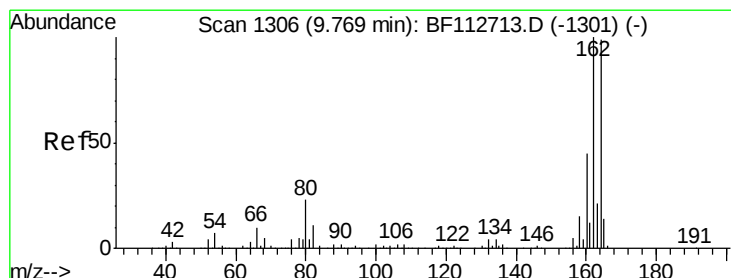
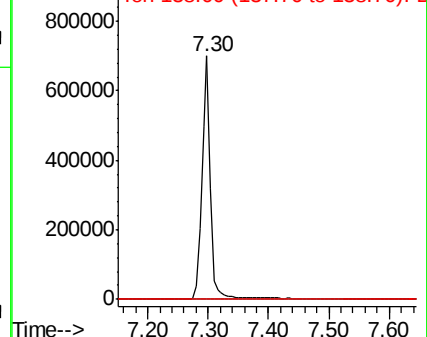
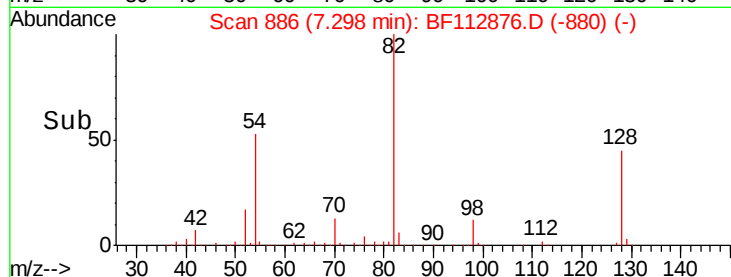
138 0.0 13.8 20.8#



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: BF112876.D

Acq: 6 Mar 2019 2:28

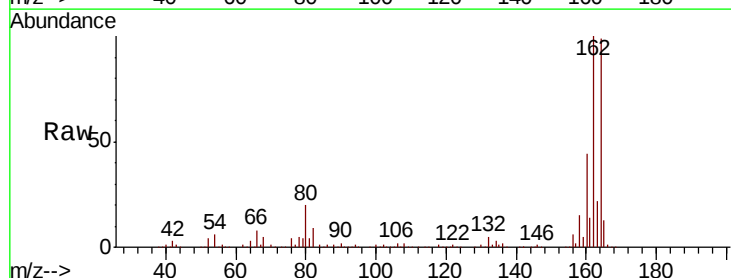
Tgt Ion: 164 Resp: 250765

Ion Ratio Lower Upper

164 100

162 101.0 80.6 120.8

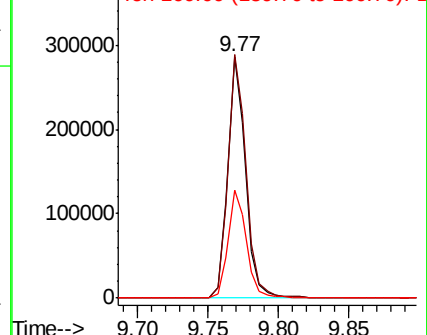
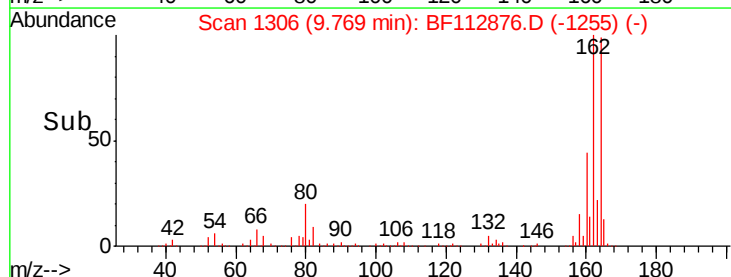
160 44.6 36.0 54.0



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

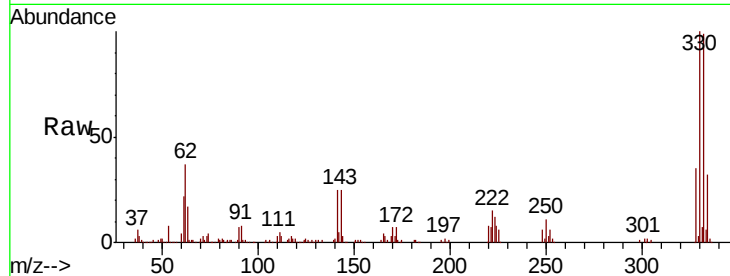




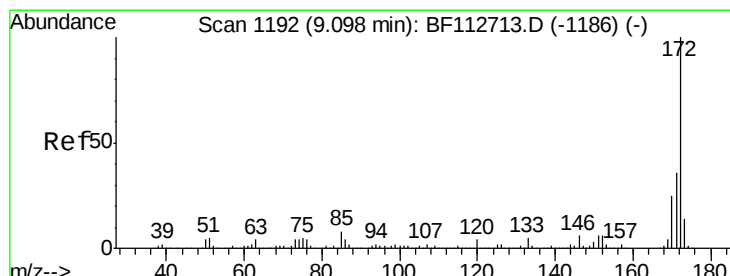
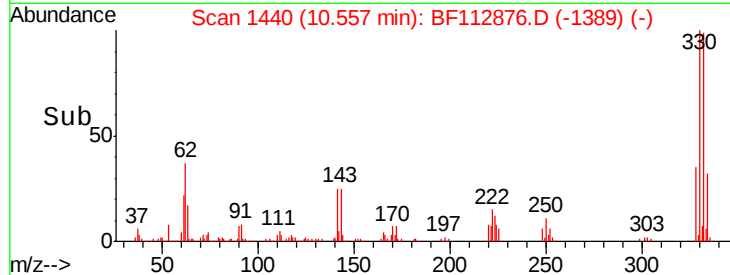
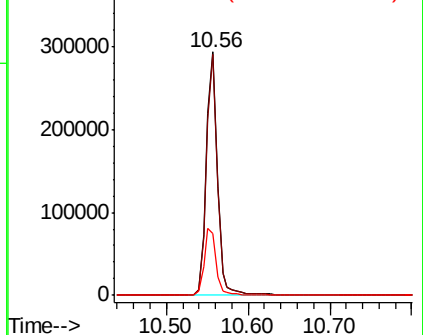
#42
 2,4,6-Tribromophenol
 Concen: 105.693 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112876.D
 Acq: 6 Mar 2019 2:28

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

Tgt Ion:330 Resp: 281373
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.2 114.4
 141 29.3 27.0 40.6

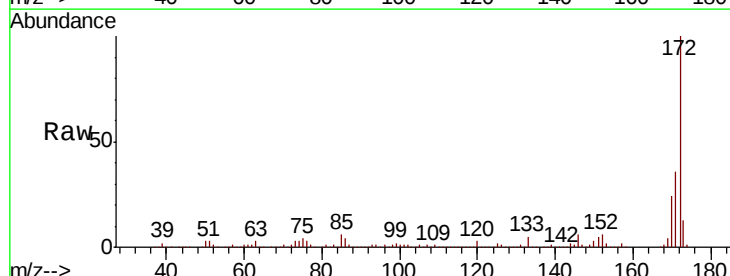


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

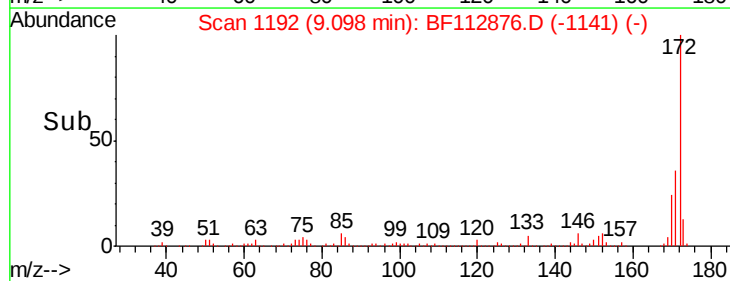
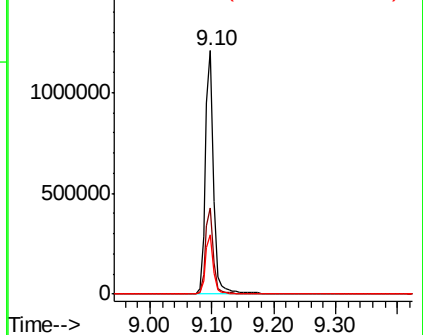


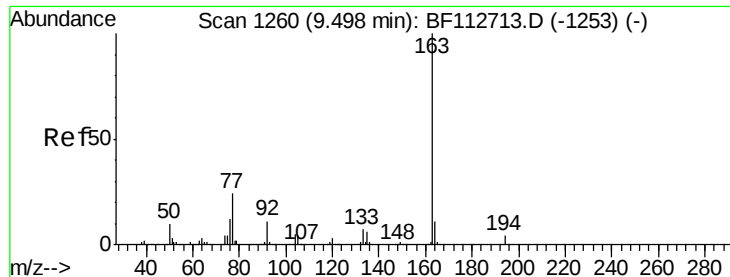
#45
 2-Fluorobiphenyl
 Concen: 72.161 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112876.D
 Acq: 6 Mar 2019 2:28

Tgt Ion:172 Resp: 1136568
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.0 43.4
 170 24.1 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

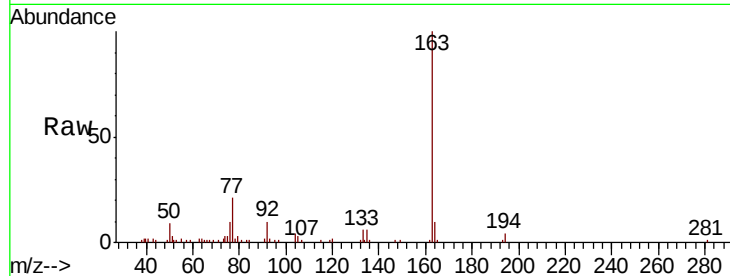




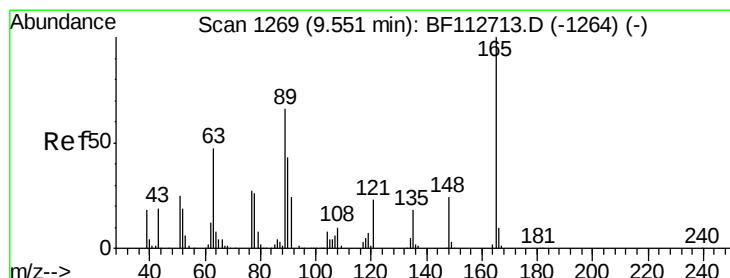
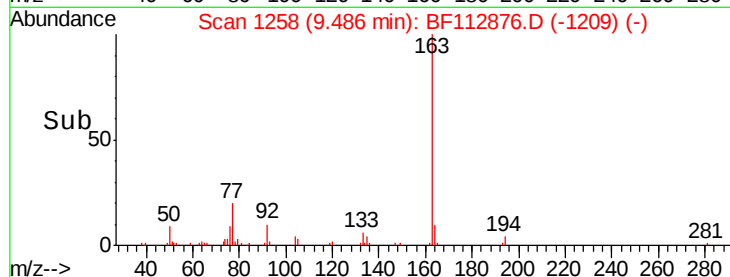
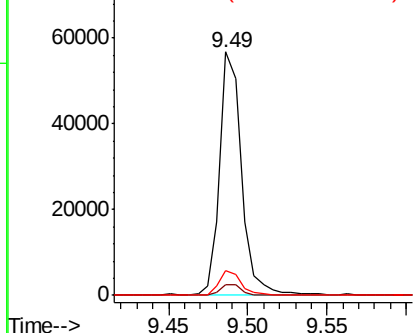
#50
Dimethylphthalate
Concen: 2.950 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tgt Ion:163 Resp: 54552
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 10.4 8.4 12.6

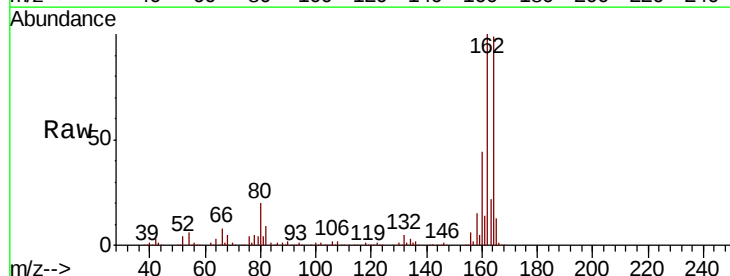


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

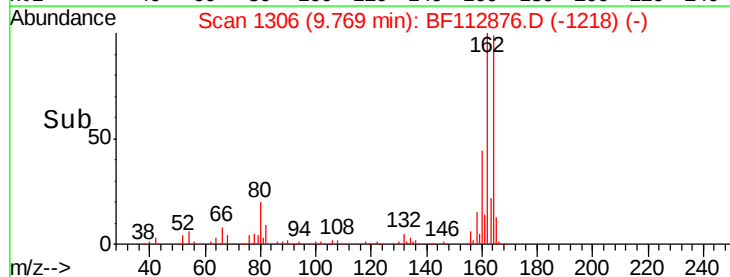
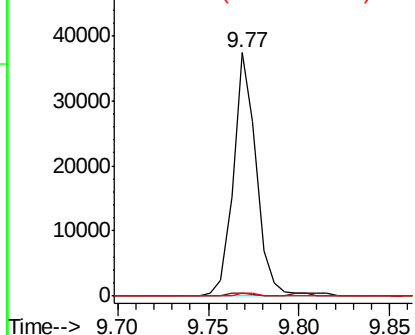


#51
2,6-Dinitrotoluene
Concen: 8.604 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Tgt Ion:165 Resp: 33130
Ion Ratio Lower Upper
165 100
63 1.1 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

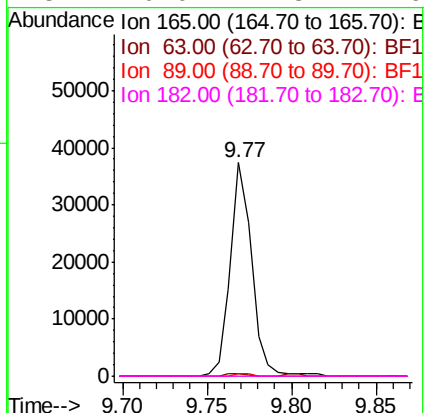
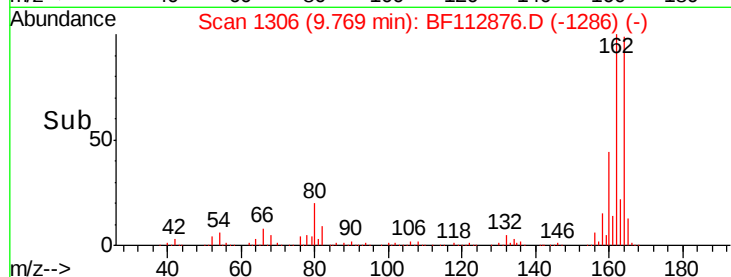
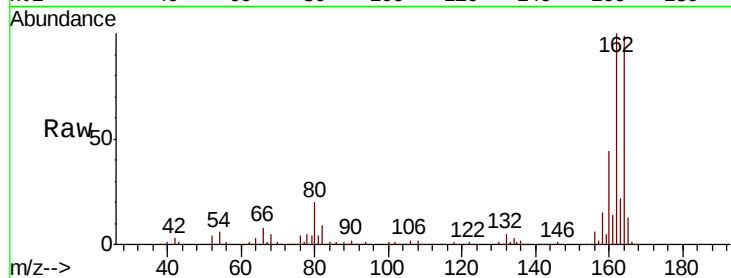




#57
2,4-Dinitrotoluene
Concen: 6.922 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

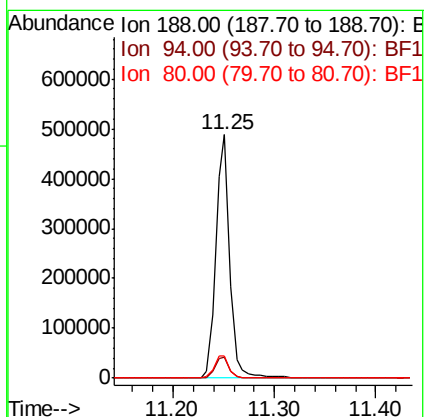
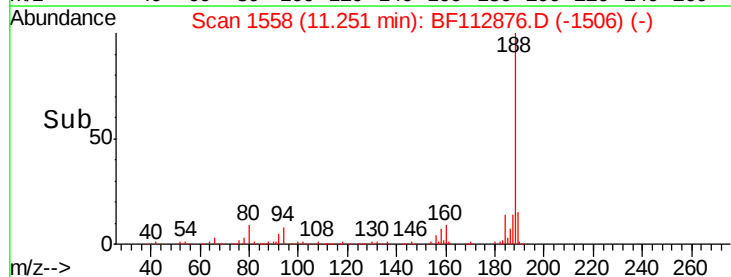
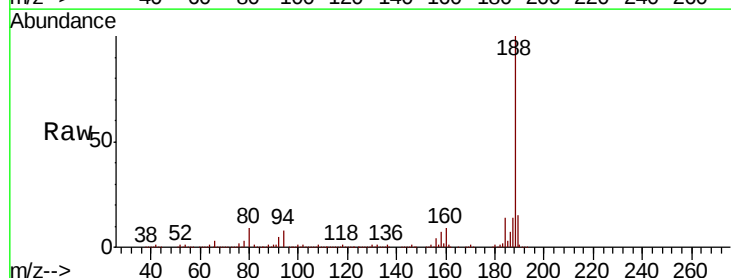
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

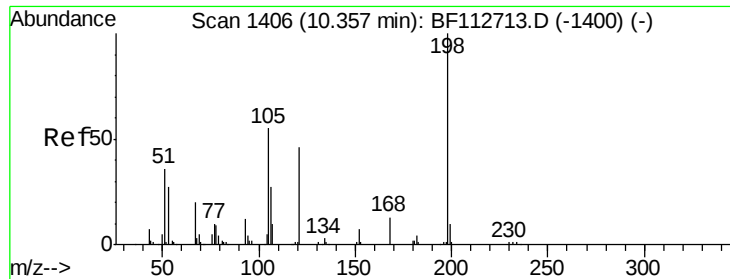
Tgt Ion:	165	Resp:	33130
Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.2	63.2#
89	1.4	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Tgt Ion:	188	Resp:	461719
Ion	Ratio	Lower	Upper
188	100		
94	8.3	9.0	13.4#
80	9.1	9.2	13.8#

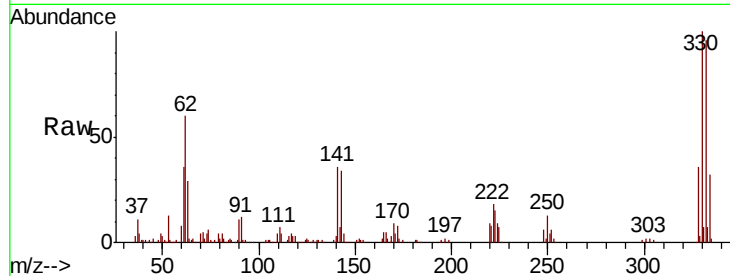




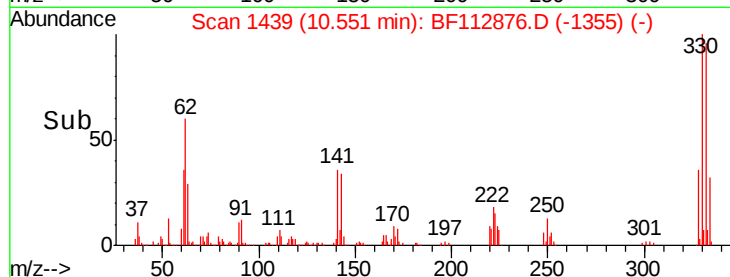
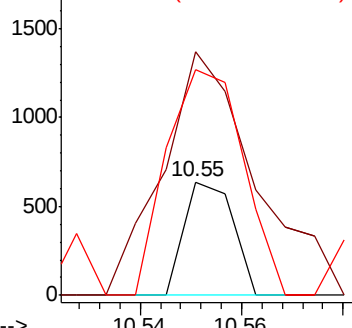
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.816 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.19 min
 Lab File: BF112876.D
 Acq: 6 Mar 2019 2:28

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

Tgt Ion:198 Resp: 427
 Ion Ratio Lower Upper
 198 100
 51 214.6 43.8 83.8#
 105 199.1 36.5 76.5#

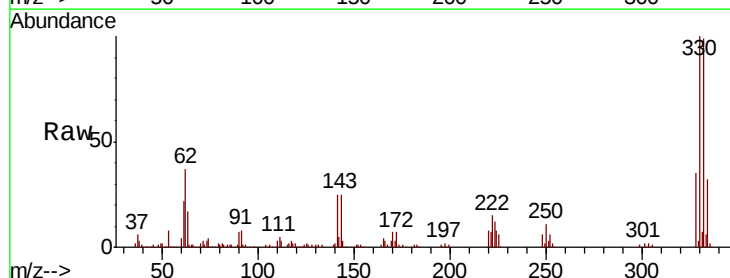


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

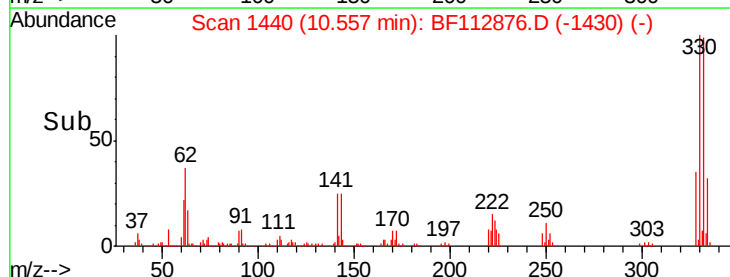
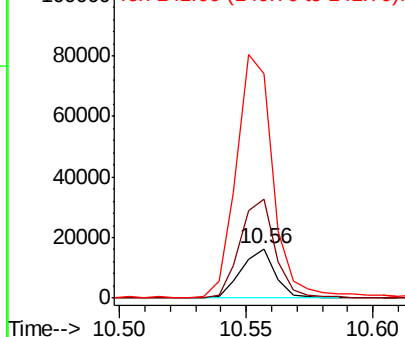


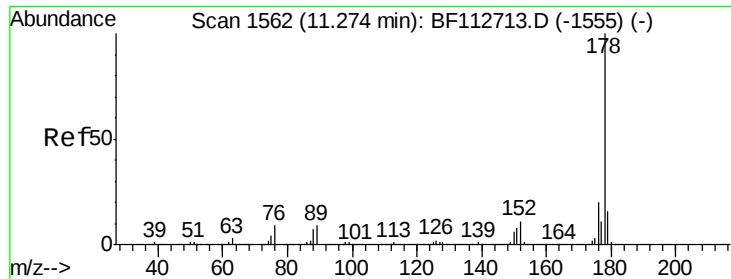
#67
 4-Bromophenyl-phenylether
 Concen: 3.126 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112876.D
 Acq: 6 Mar 2019 2:28

Tgt Ion:248 Resp: 15204
 Ion Ratio Lower Upper
 248 100
 250 201.0 77.5 116.3#
 141 456.8 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

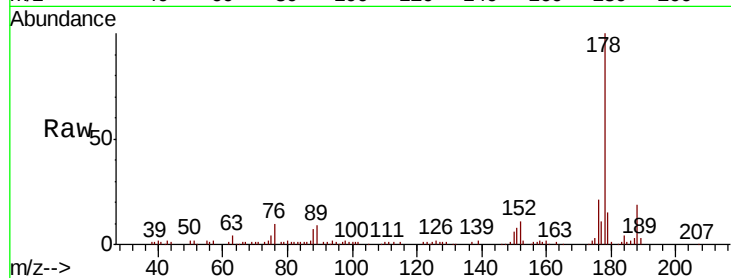




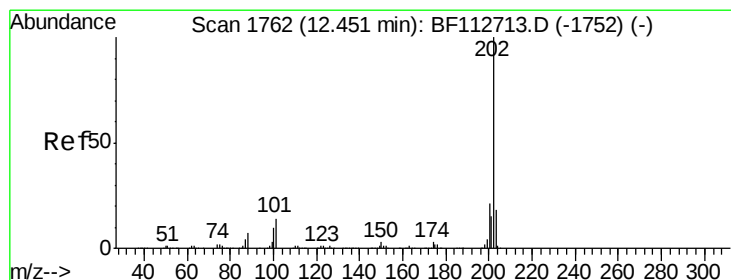
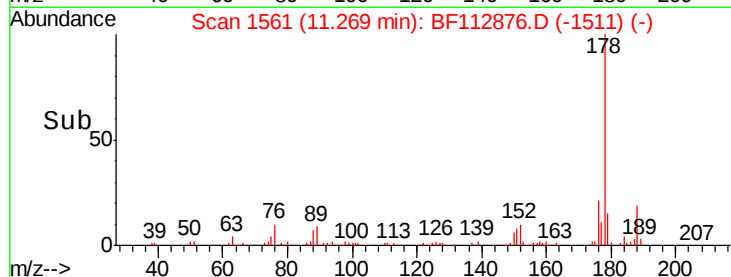
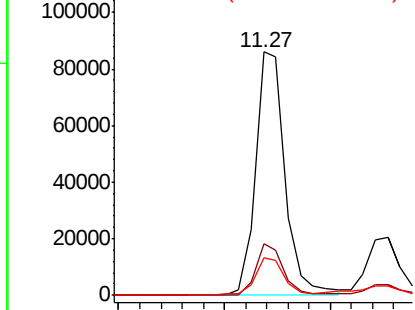
#71
Phenanthrene
Concen: 3.643 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tgt Ion:178 Resp: 83691
Ion Ratio Lower Upper
178 100
176 21.0 16.3 24.5
179 15.5 12.7 19.1

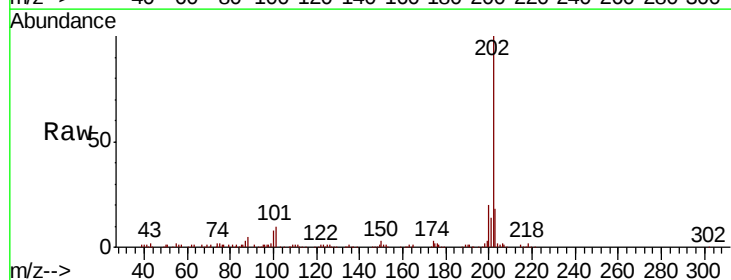


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

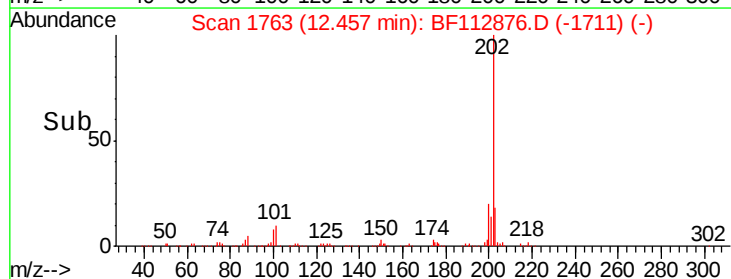
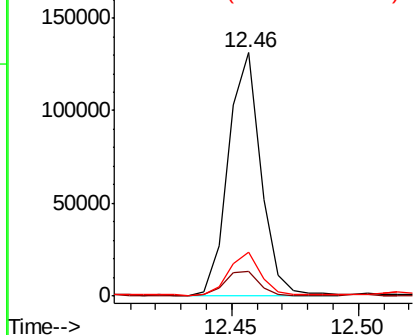


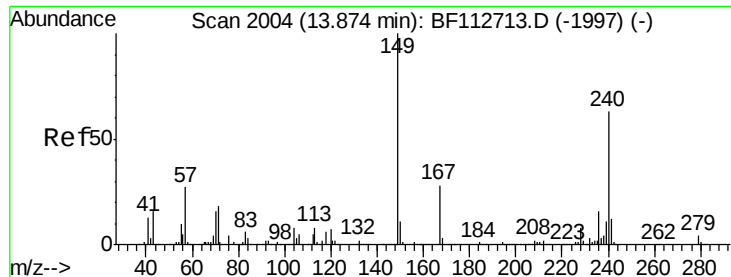
#75
Fluoranthene
Concen: 4.790 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Tgt Ion:202 Resp: 117896
Ion Ratio Lower Upper
202 100
101 10.0 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

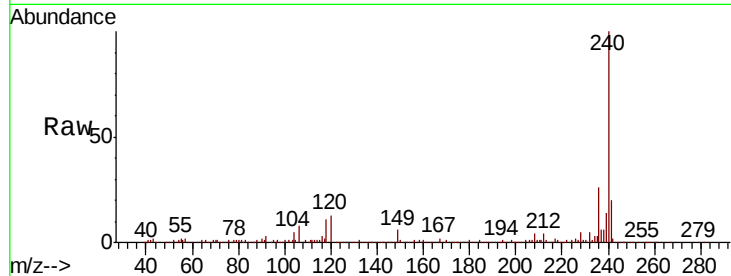




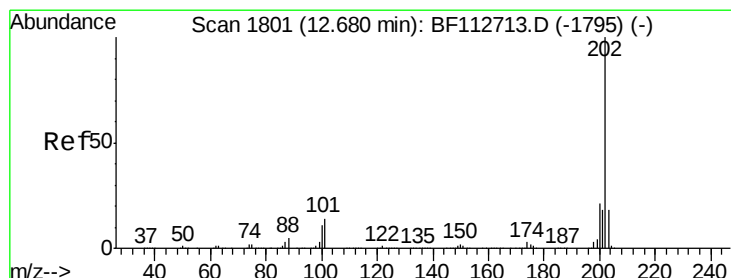
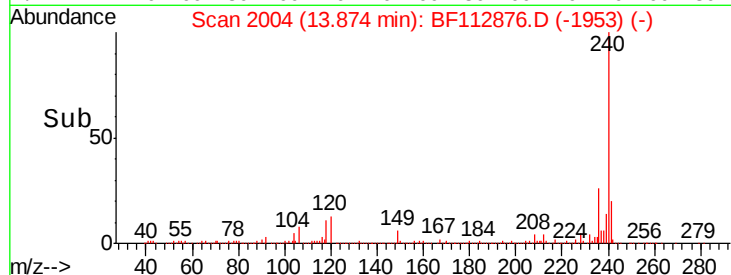
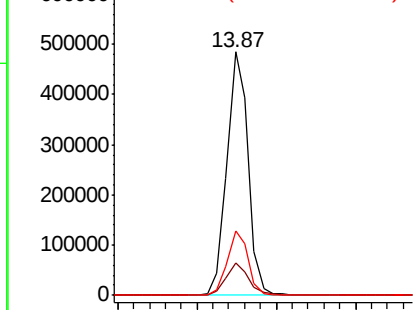
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tgt Ion:240 Resp: 447033
Ion Ratio Lower Upper
240 100
120 13.2 8.9 13.3
236 26.4 20.7 31.1

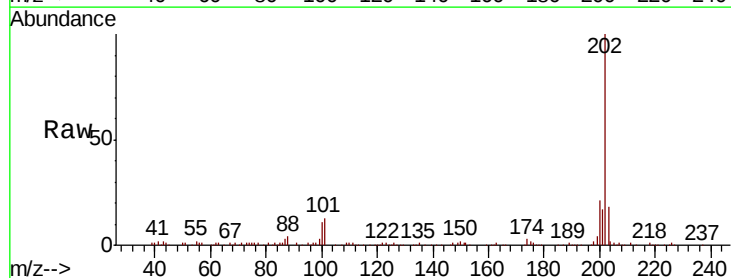


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

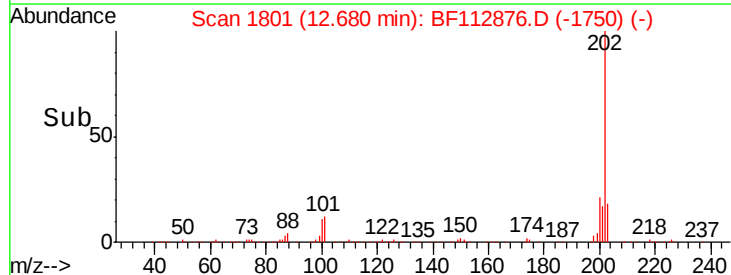
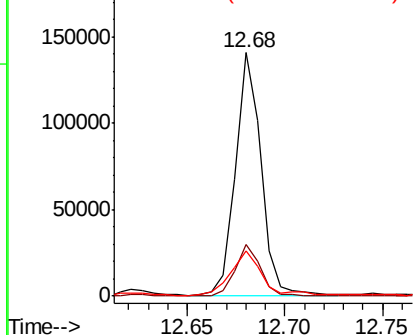


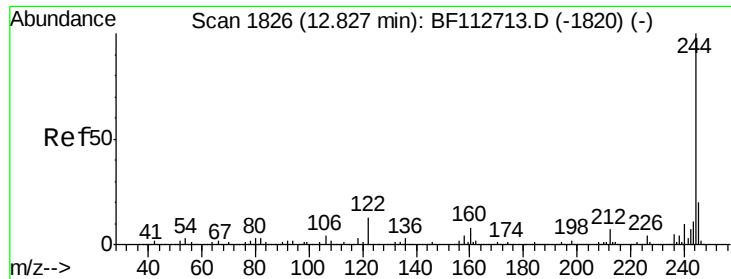
#78
Pyrene
Concen: 3.362 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Tgt Ion:202 Resp: 126692
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.4 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

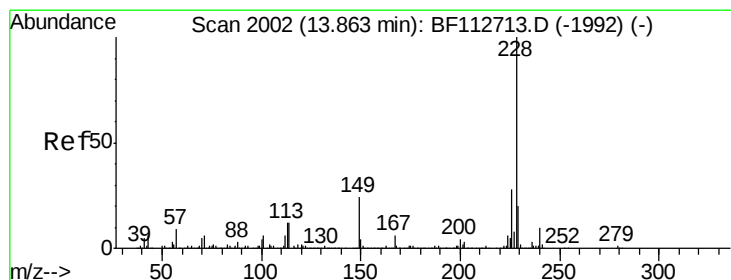
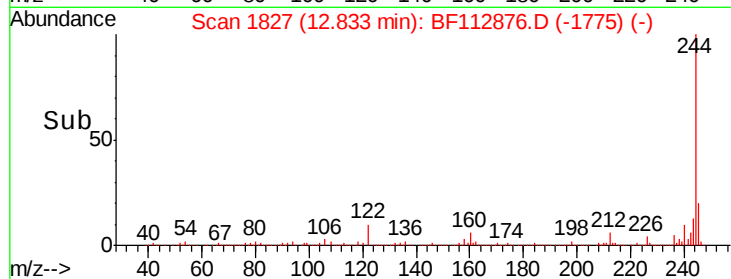
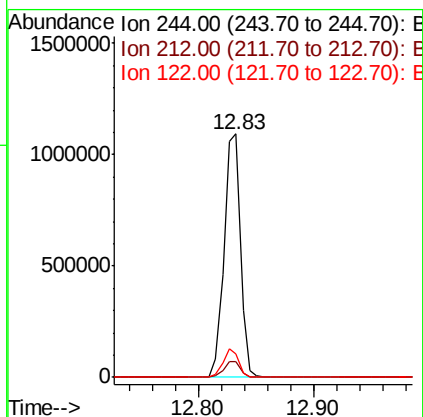
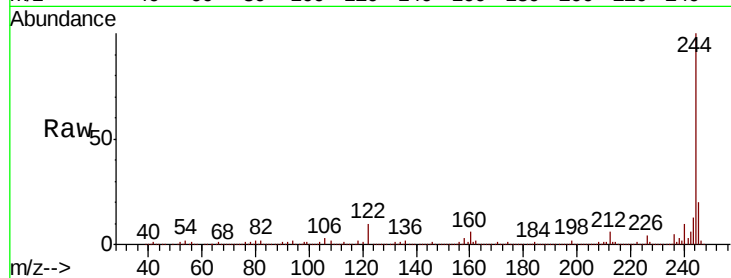




#79
 Terphenyl-d14
 Concen: 46.769 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112876.D
 Acq: 6 Mar 2019 2:28

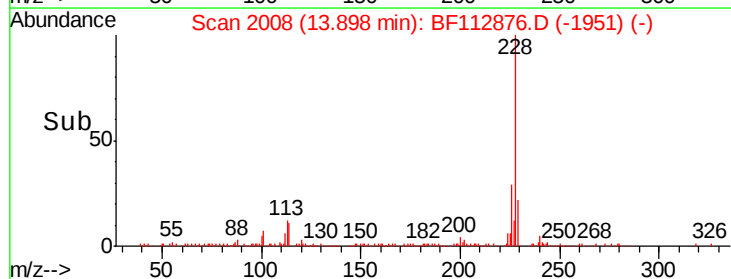
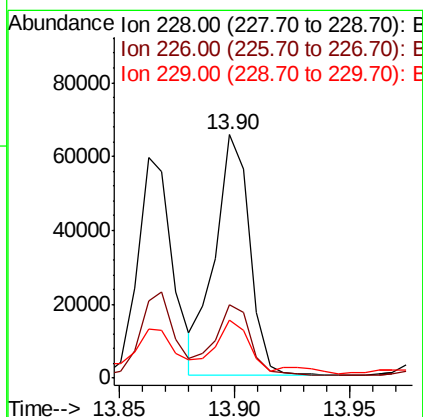
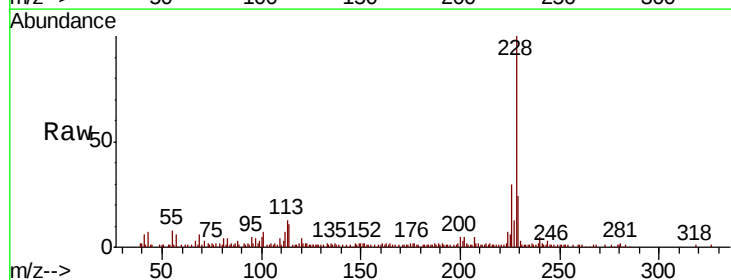
Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

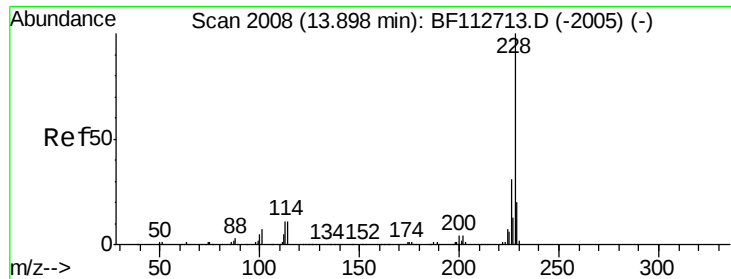
Tgt Ion:244 Resp: 1078533
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 9.7 10.5 15.7#



#81
 Benzo(a)anthracene
 Concen: 2.203 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.04 min
 Lab File: BF112876.D
 Acq: 6 Mar 2019 2:28

Tgt Ion:228 Resp: 68259
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.2 33.4
 229 23.7 16.0 24.0

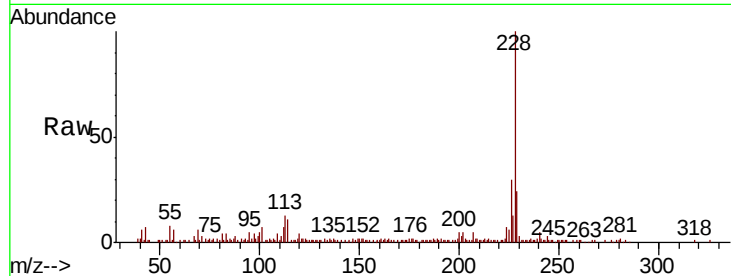




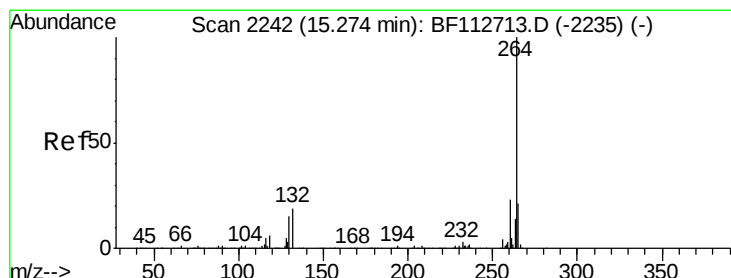
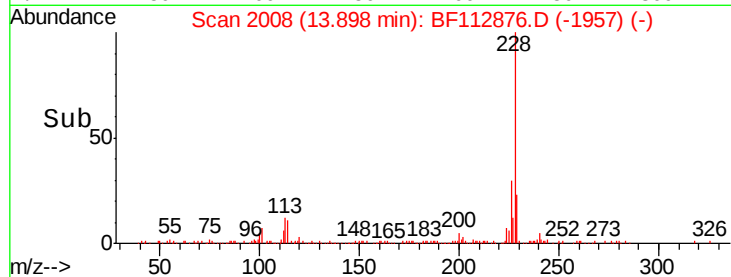
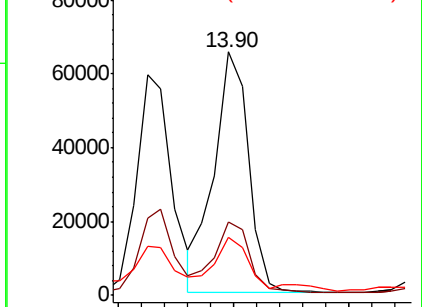
#83
Chrysene
Concen: 2.249 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tgt Ion: 228 Resp: 68259
Ion Ratio Lower Upper
228 100
226 30.1 24.9 37.3
229 23.7 16.3 24.5

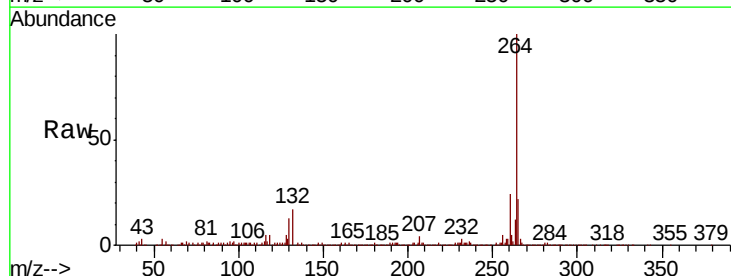


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

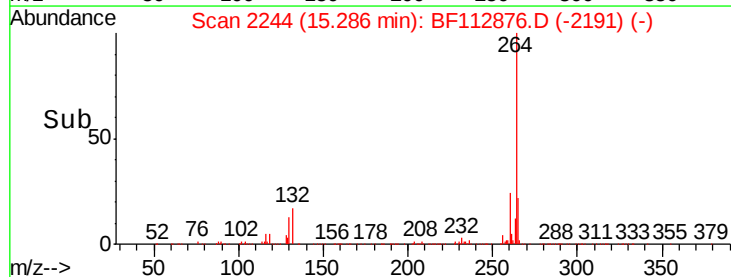
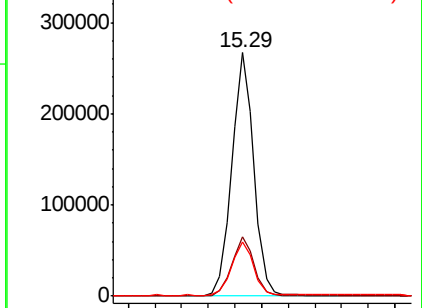


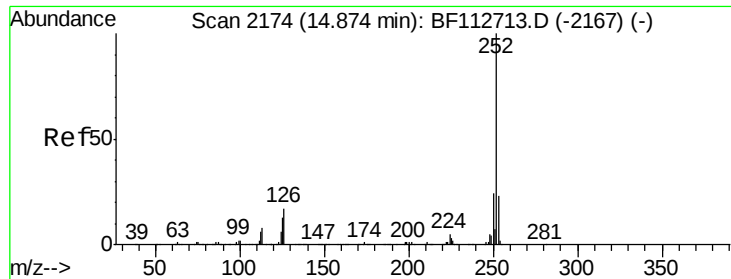
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Tgt Ion: 264 Resp: 306138
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 22.5 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

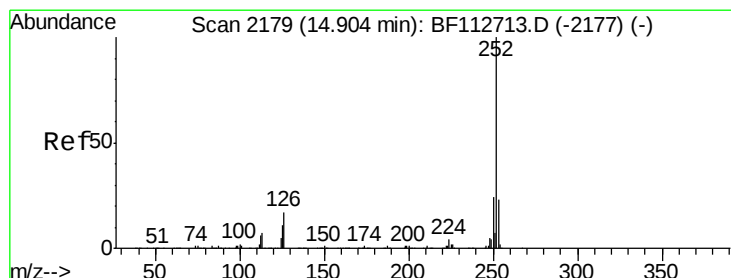
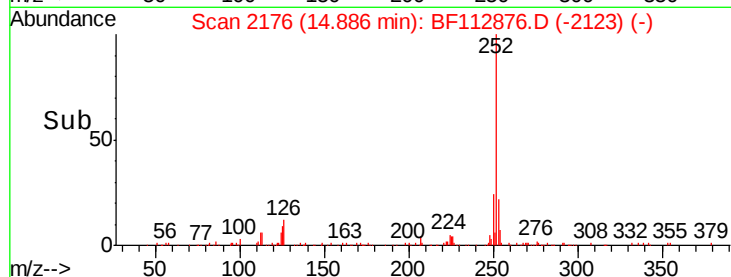
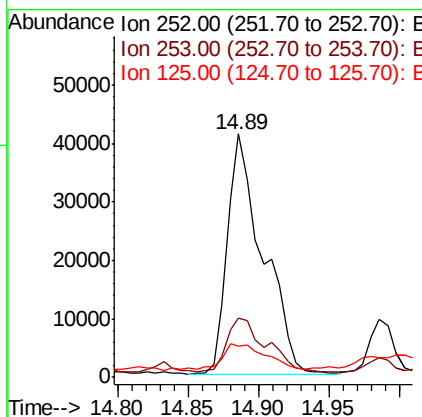
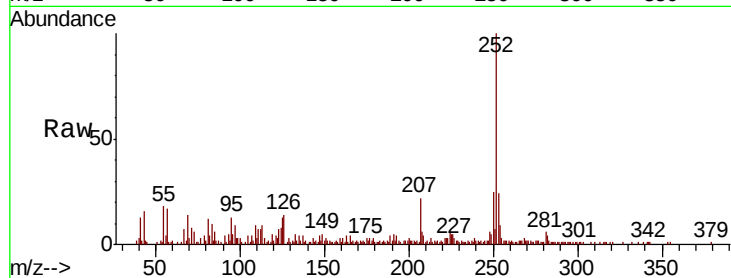




#88
Benzo(b)fluoranthene
Concen: 3.670 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

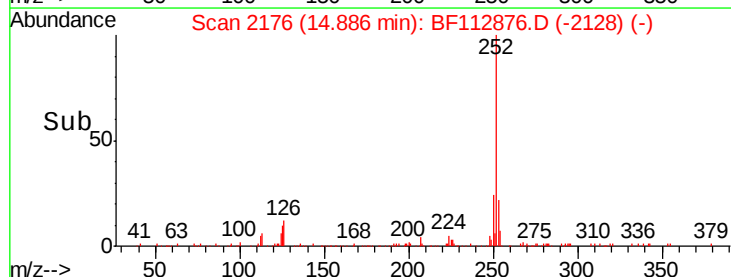
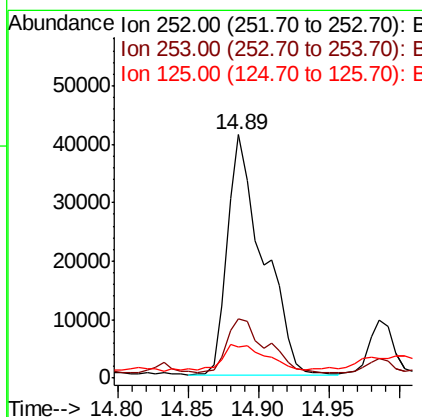
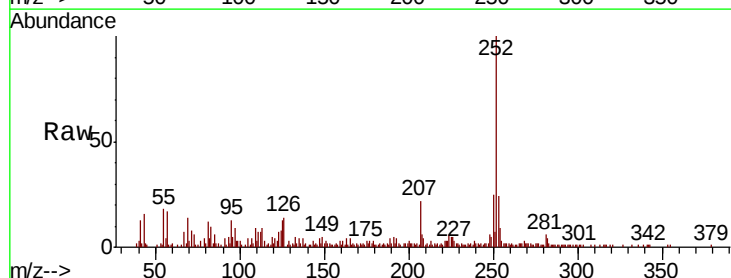
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

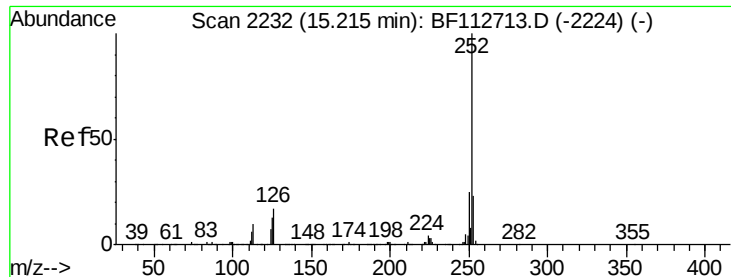
Tgt Ion:252 Resp: 72676
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 13.0 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 4.052 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Tgt Ion:252 Resp: 72676
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 13.0 9.8 14.6





#90

Benzo(a)pyrene

Concen: 2.100 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.01 min

Lab File: BF112876.D

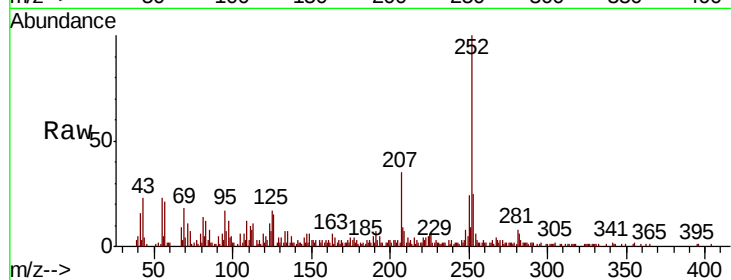
Acq: 6 Mar 2019 2:28

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW014-022719



Tgt Ion:	252	Resp:	36783
Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	16.9	10.7	16.1#

