

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
 Data File : BF112914.D
 Acq On : 7 Mar 2019 6:38
 Operator : JU/SJ
 Sample : K1705-10RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW012-022719RE

Quant Time: Mar 07 07:54:34 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	6.73	152	362284	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	1279185	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	575783	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	1084966	20.00	ng	0.00
76) Chrysene-d12	13.87	240	951068	20.00	ng	0.00
87) Perylene-d12	15.27	264	836230	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1012439	43.47	ng	0.00
7) Phenol-d6	6.37	99	1260849	43.10	ng	0.00
23) Nitrobenzene-d5	7.29	82	741405	34.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	323911	52.99	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1186999	28.32	ng	-0.01
79) Terphenyl-d14	12.82	244	1165659	23.76	ng	0.00

Target Compounds

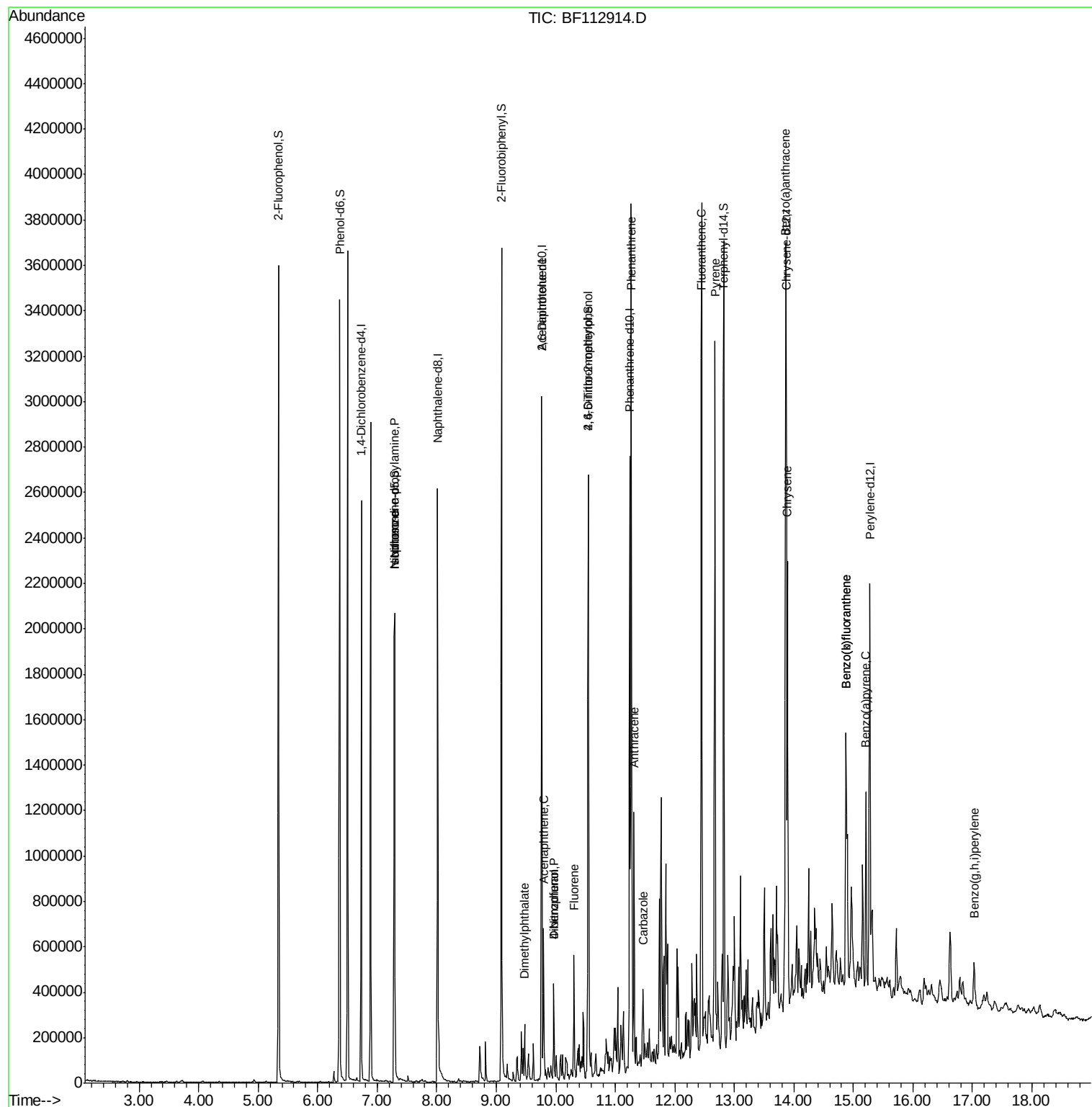
						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	97582	5.266	ng	# 75
25) Isophorone	7.29	82	717978	15.590	ng	# 66
50) Dimethylphthalate	9.48	163	94801	2.233	ng	99
51) 2,6-Dinitrotoluene	9.76	165	76451	8.647	ng	# 18
52) Acenaphthene	9.79	154	129721	3.563	ng	98
55) Dibenzofuran	9.96	168	151354	2.860	ng	95
56) 4-Nitrophenol	9.96	139	54468	6.221	ng	# 8
58) Fluorene	10.30	166	131901	3.512	ng	97
65) 4,6-Dinitro-2-methylphenol	10.55	198	555	4.725	ng	# 1
71) Phenanthrene	11.27	178	1372056	25.417	ng	100
72) Anthracene	11.32	178	429886	7.608	ng	98
73) Carbazole	11.47	167	139185	2.525	ng	97
75) Fluoranthene	12.45	202	1518639	26.258	ng	97
78) Pyrene	12.67	202	1334678	16.647	ng	99
81) Benzo(a)anthracene	13.86	228	801761	12.163	ng	99
83) Chrysene	13.89	228	683822	10.591	ng	96
88) Benzo(b)fluoranthene	14.87	252	851078	15.735	ng	97
89) Benzo(k)fluoranthene	14.87	252	851078	17.371	ng	98
90) Benzo(a)pyrene	15.21	252	432153	9.033	ng	98
92) Benzo(g,h,i)perylene	17.03	276	162870	3.973	ng	96

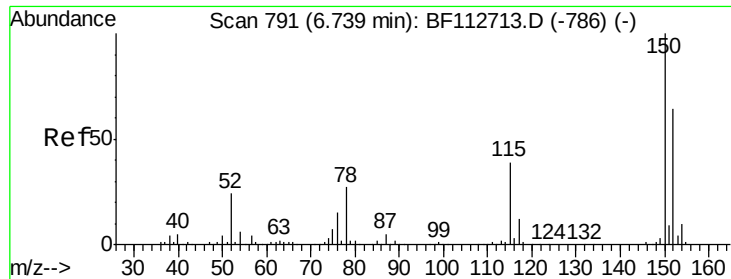
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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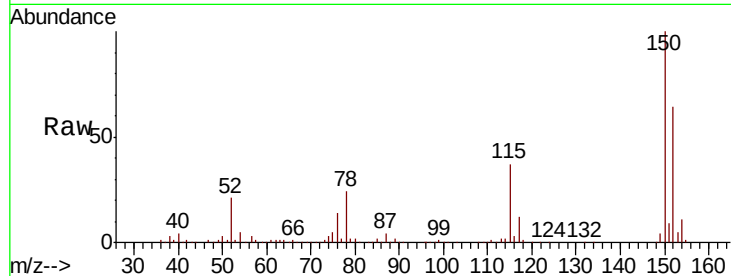


#1

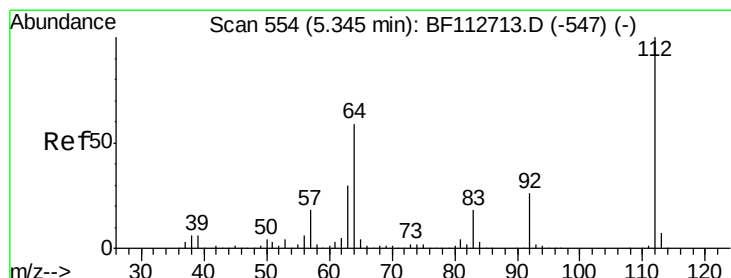
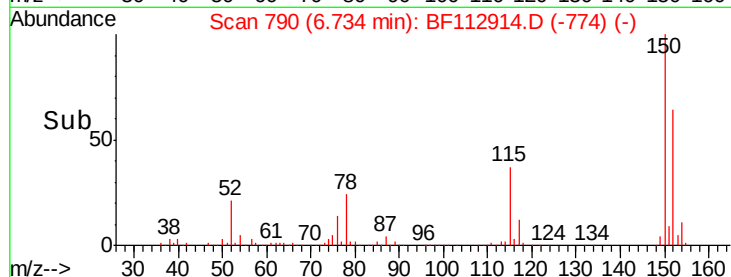
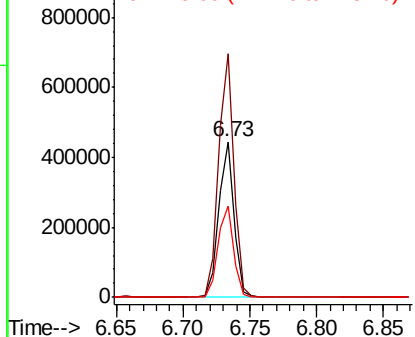
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719RE

Tgt Ion:152 Resp: 362284
Ion Ratio Lower Upper
152 100
150 156.3 124.2 186.2
115 58.5 48.2 72.4



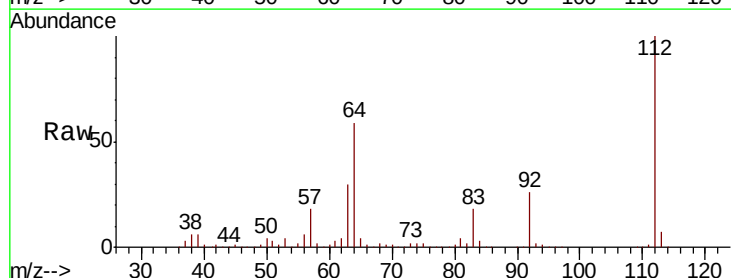
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



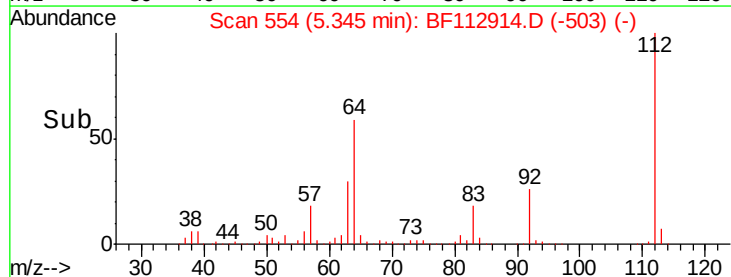
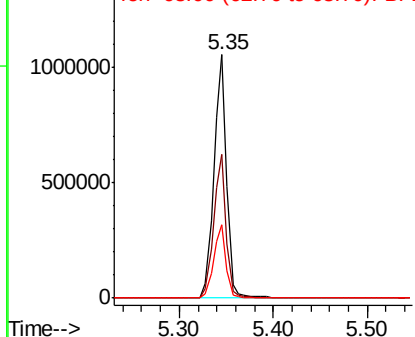
#5

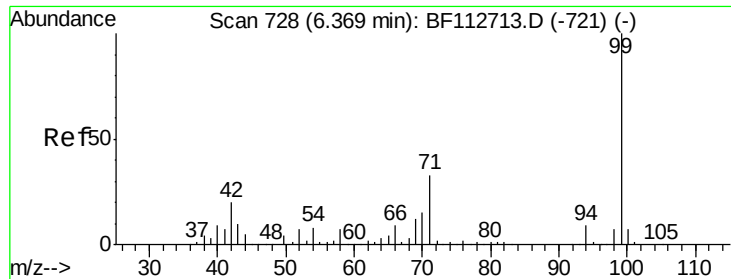
2-Fluorophenol
Concen: 43.471 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Tgt Ion:112 Resp: 1012439
Ion Ratio Lower Upper
112 100
64 59.1 47.6 71.4
63 29.9 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: 43.097 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW012-022719RE

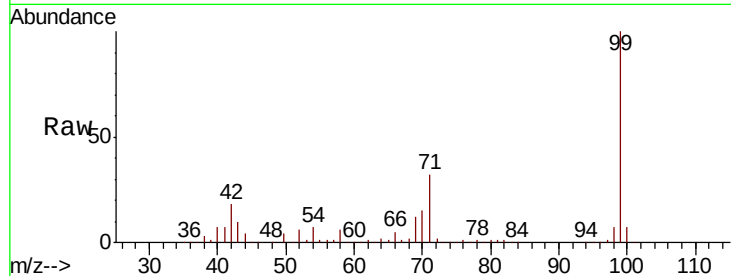
Tgt Ion: 99 Resp: 1260849

Ion Ratio Lower Upper

99 100

42 18.5 16.3 24.5

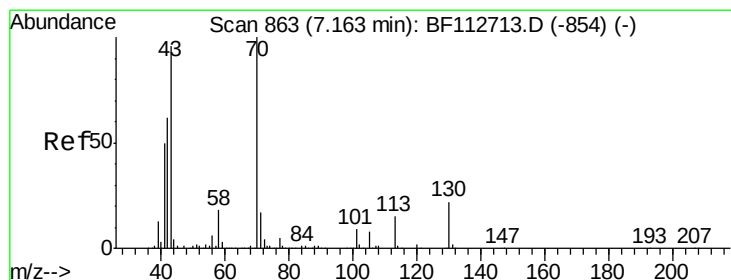
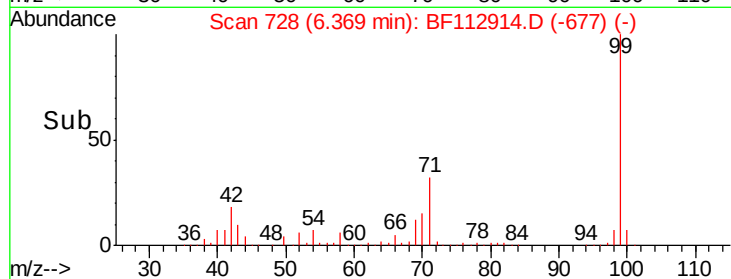
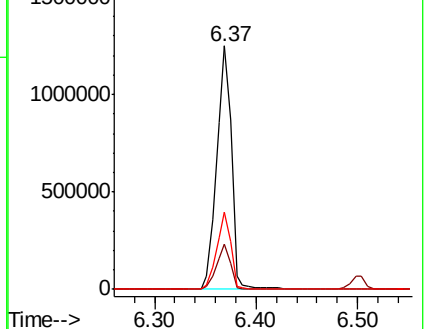
71 31.9 26.2 39.4



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: 5.266 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.13 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Tgt Ion: 70 Resp: 97582

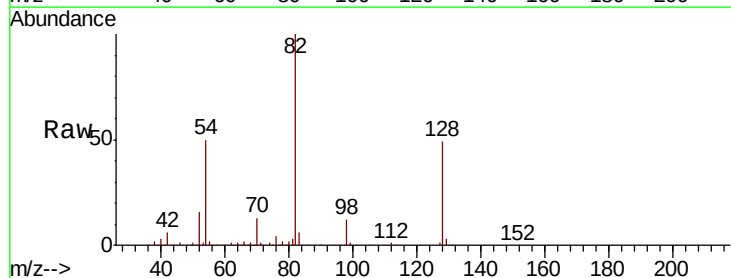
Ion Ratio Lower Upper

70 100

42 47.3 49.9 74.9#

101 0.0 7.4 11.2#

130 2.3 17.4 26.2#

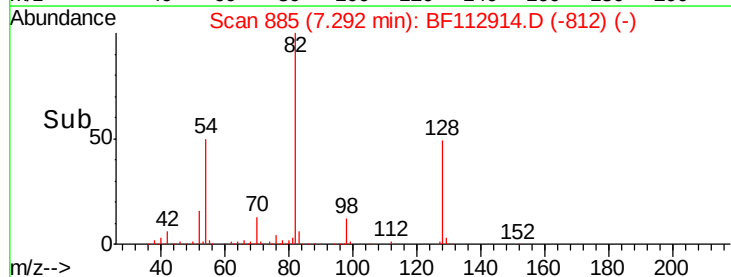
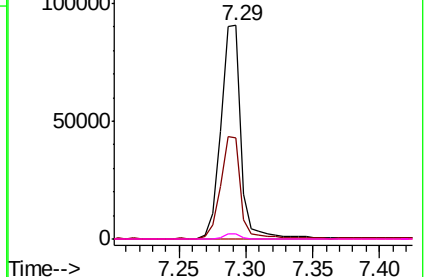


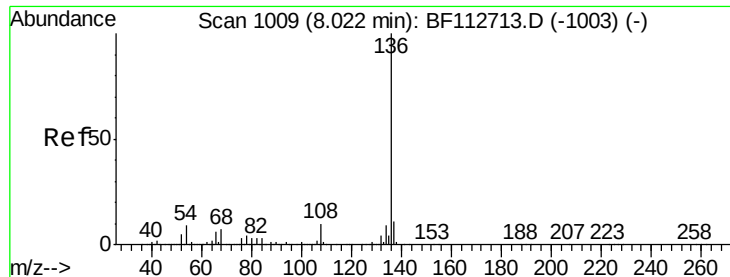
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

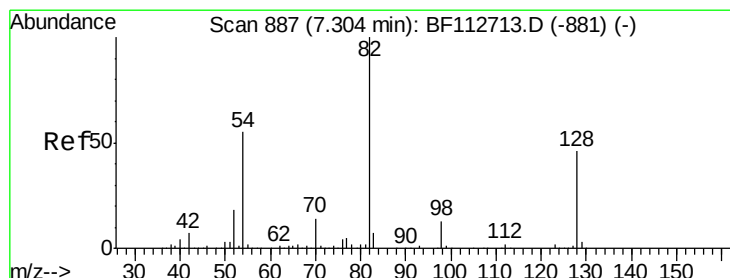
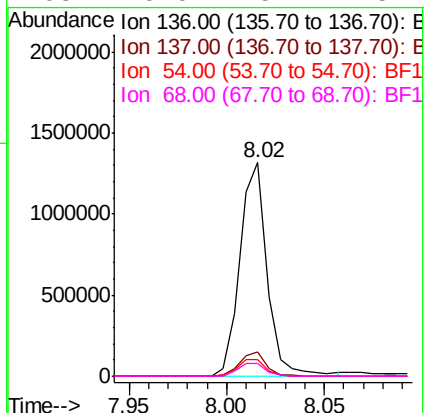
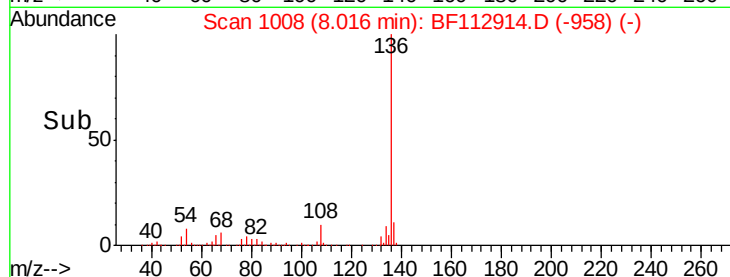
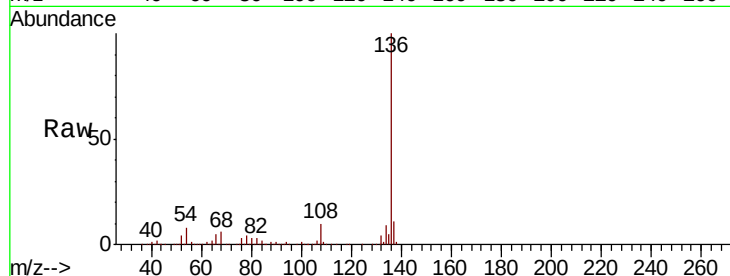




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

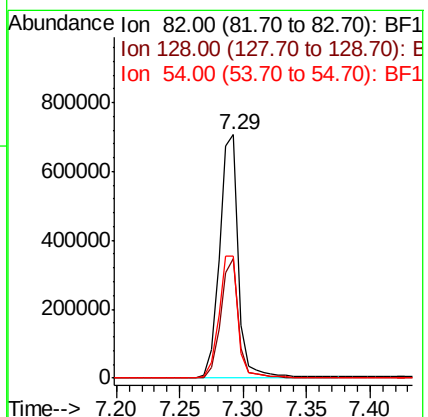
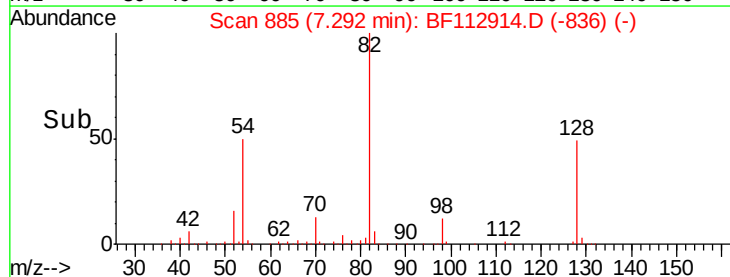
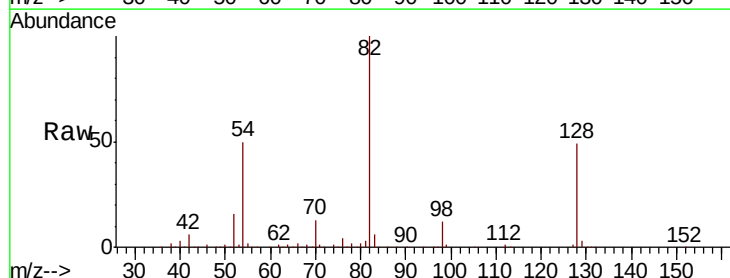
Instrument :
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EXT-027-SW012-022719RE

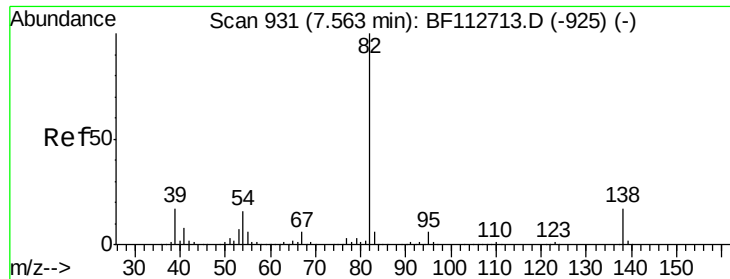
Tgt Ion:	136	Resp:	1279185
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.8	7.3	10.9
68	6.0	5.4	8.2



#23
Nitrobenzene-d5
Concen: 34.682 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Tgt Ion:	82	Resp:	741405
Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.3	54.5
54	50.2	43.7	65.5





#25

Isophorone

Concen: 15.590 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW012-022719RE

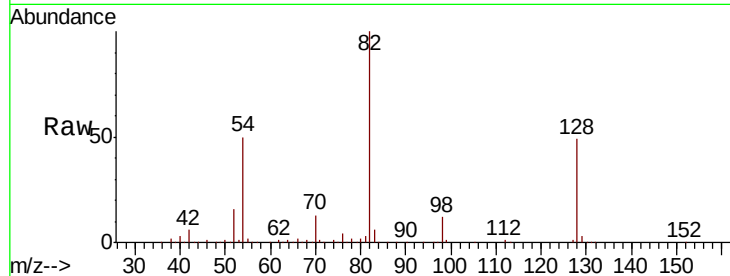
Tgt Ion: 82 Resp: 717978

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

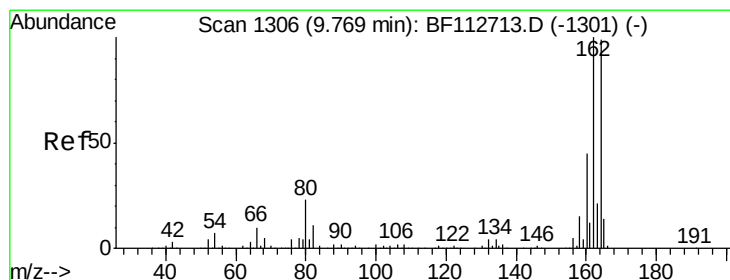
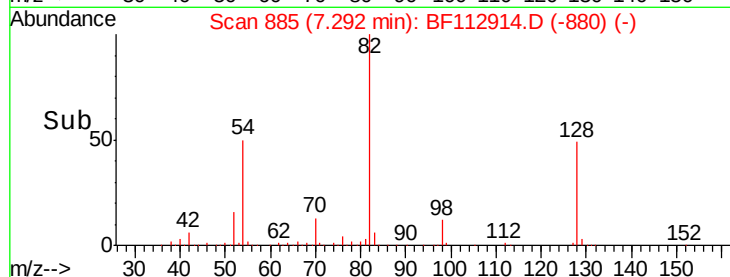
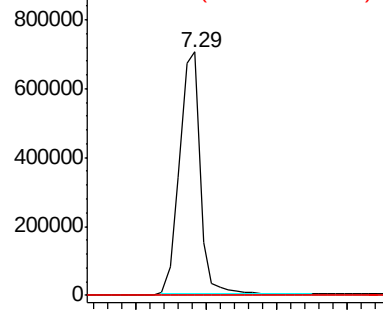
138 0.0 13.8 20.8#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

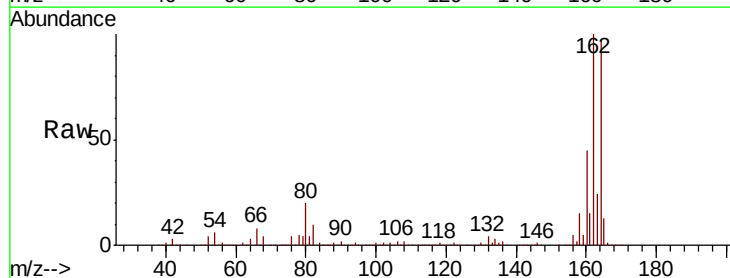
Tgt Ion: 164 Resp: 575783

Ion Ratio Lower Upper

164 100

162 102.8 80.6 120.8

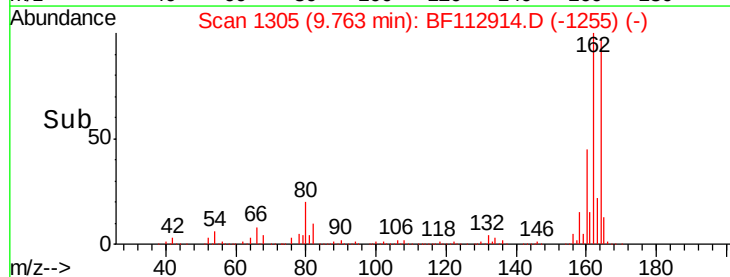
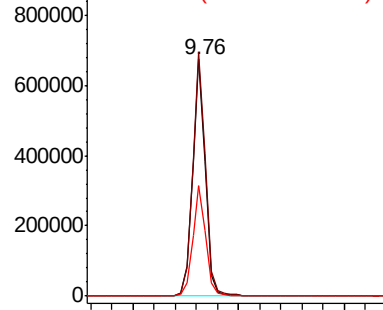
160 46.6 36.0 54.0

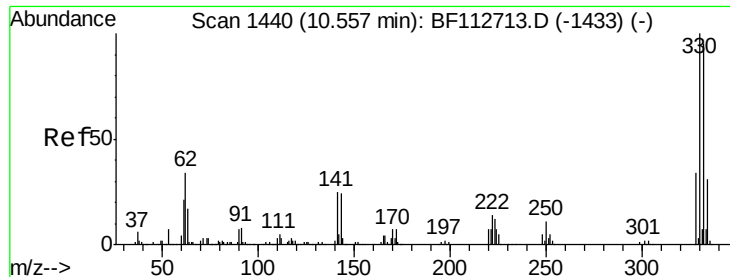


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 52.990 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112914.D

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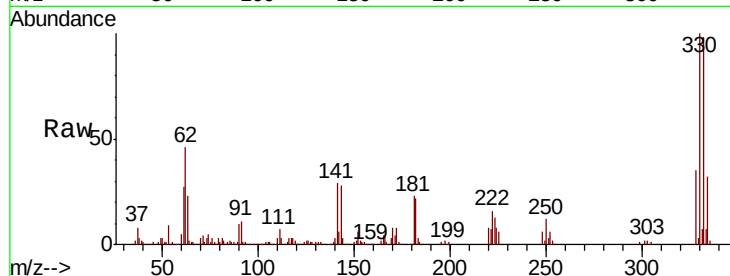
Tgt Ion:330 Resp: 323911

Ion Ratio Lower Upper

330 100

332 96.6 76.2 114.4

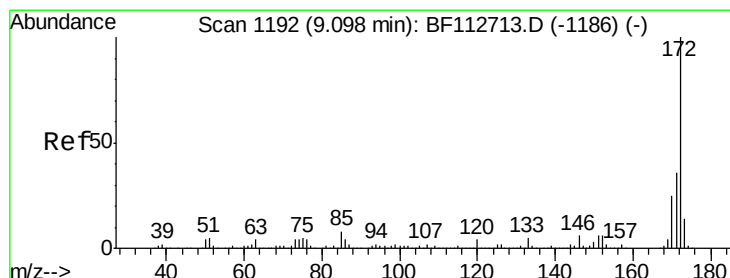
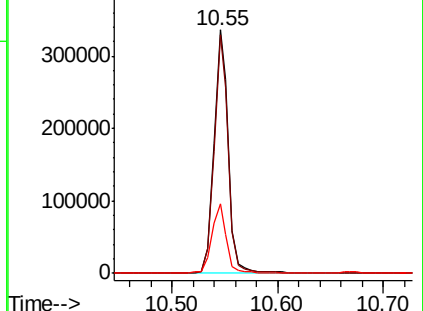
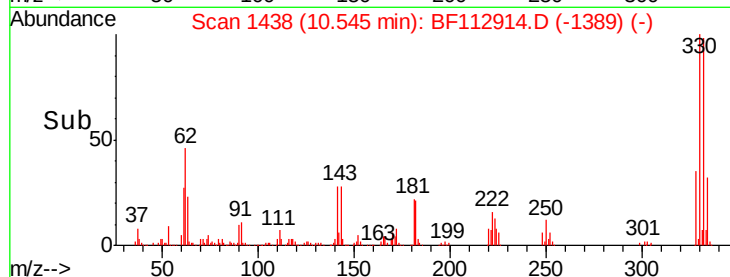
141 28.9 27.0 40.6



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: 28.316 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

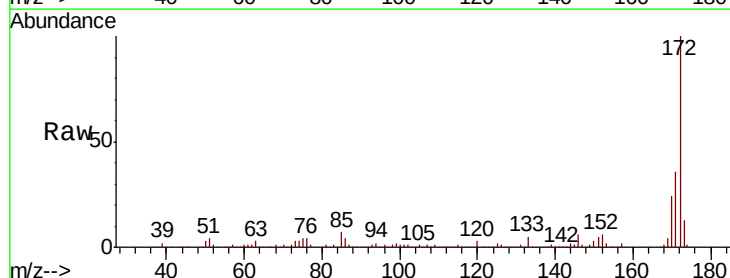
Tgt Ion:172 Resp: 1186999

Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.4

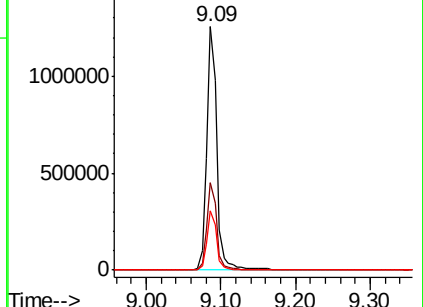
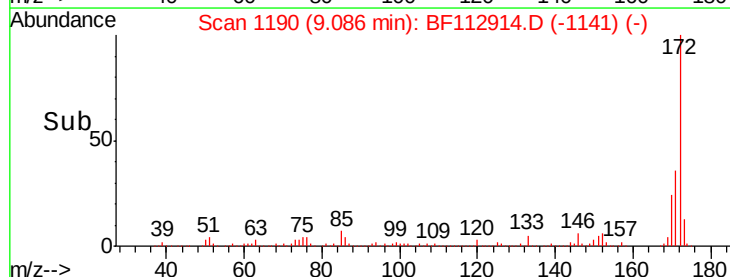
170 24.1 20.0 30.0

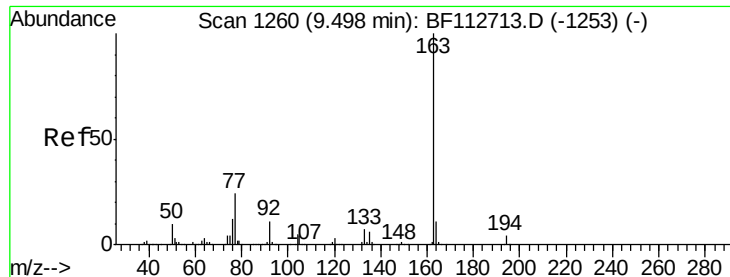


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.233 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

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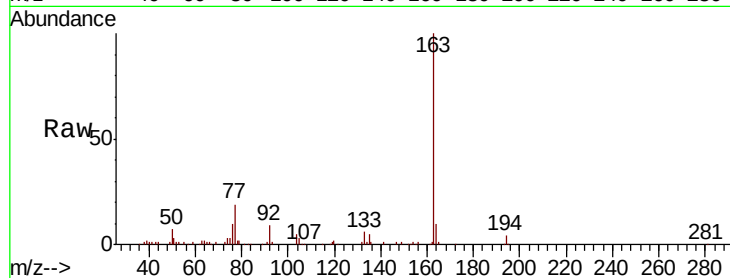
Tgt Ion:163 Resp: 94801

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

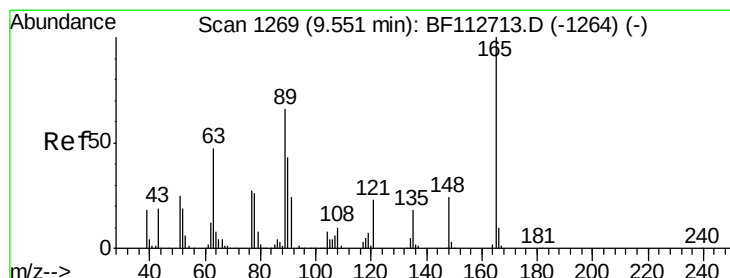
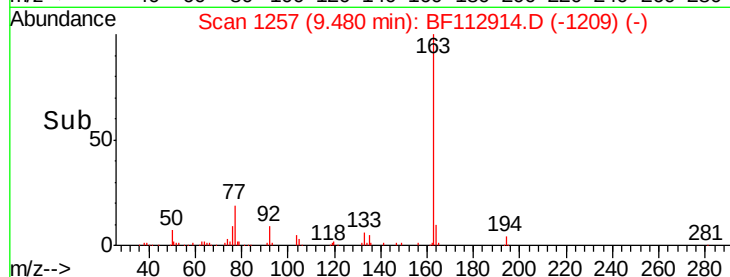
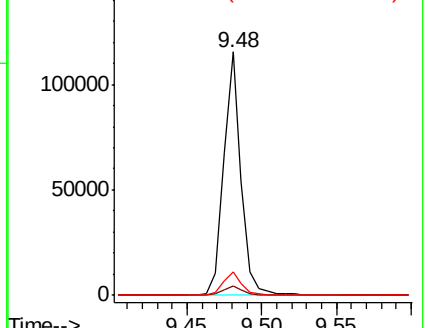
164 9.9 8.4 12.6



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: 8.647 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

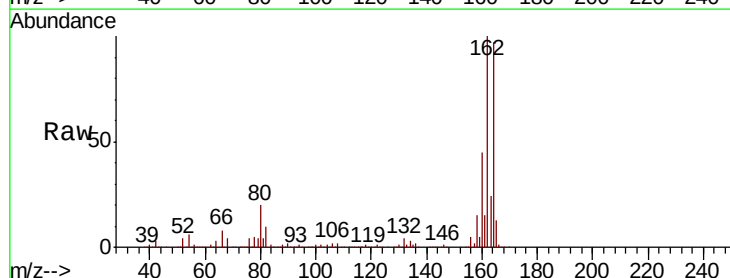
Tgt Ion:165 Resp: 76451

Ion Ratio Lower Upper

165 100

63 1.2 54.1 81.1#

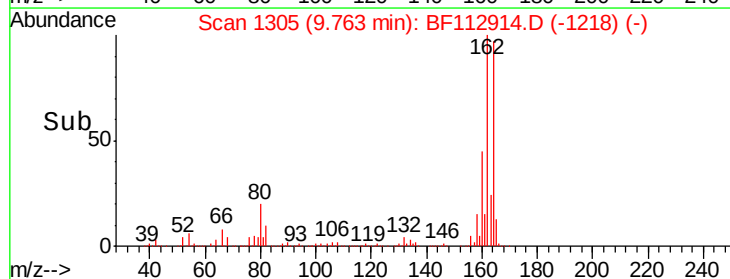
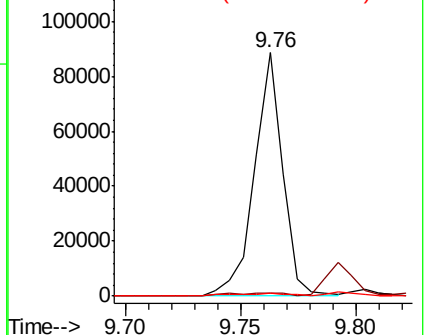
89 1.3 52.8 79.2#

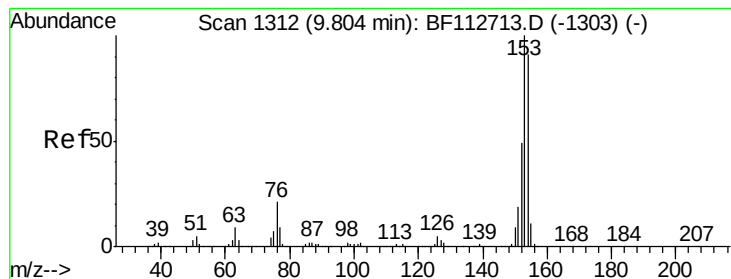


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 3.563 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF112914.D

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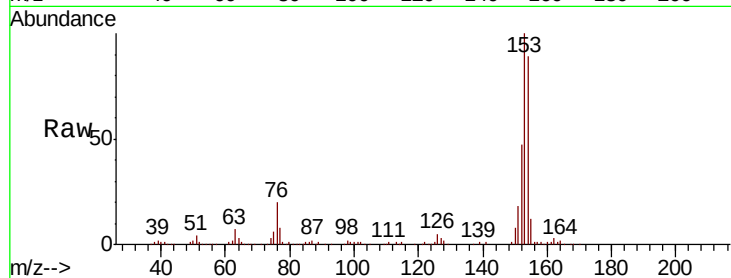
Tgt Ion:154 Resp: 129721

Ion Ratio Lower Upper

154 100

153 112.0 87.8 131.8

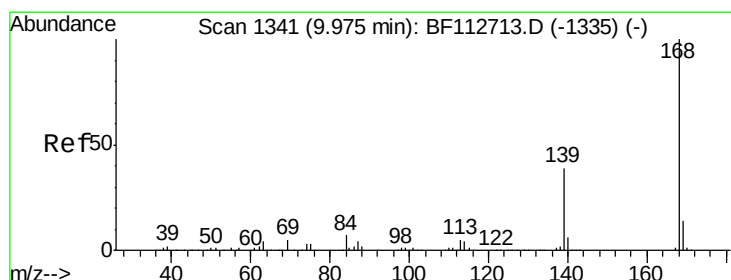
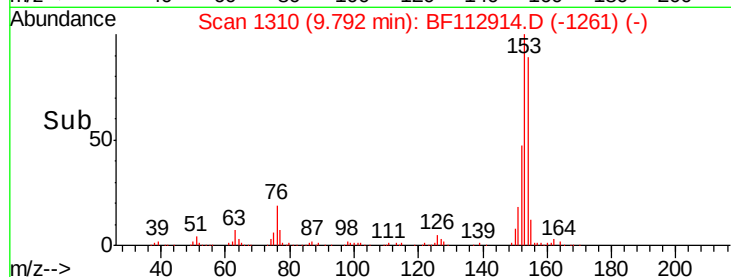
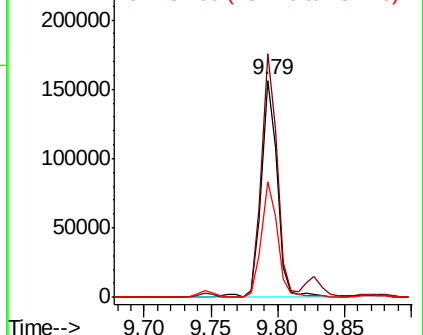
152 52.9 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.860 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

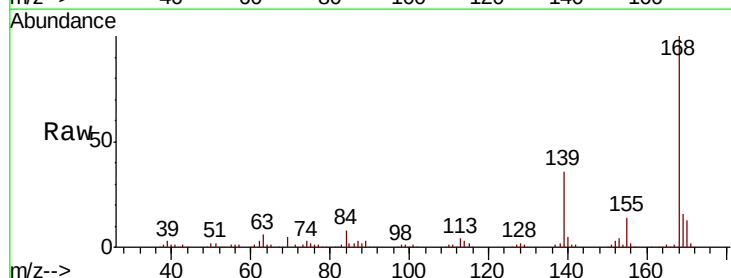
Tgt Ion:168 Resp: 151354

Ion Ratio Lower Upper

168 100

139 36.0 31.3 46.9

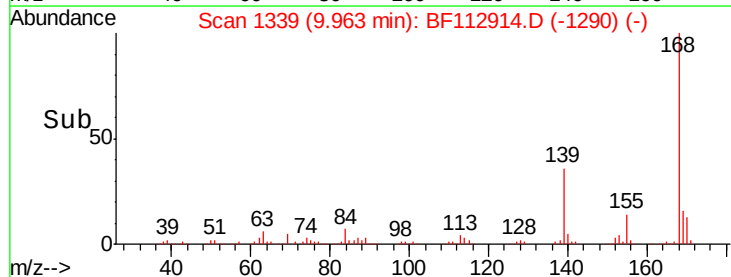
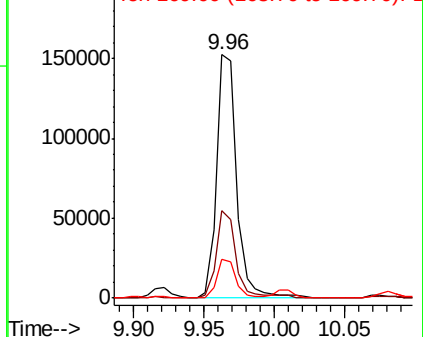
169 16.1 11.3 16.9

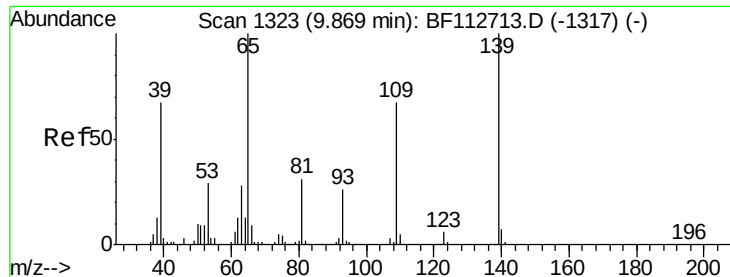


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 6.221 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.09 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW012-022719RE

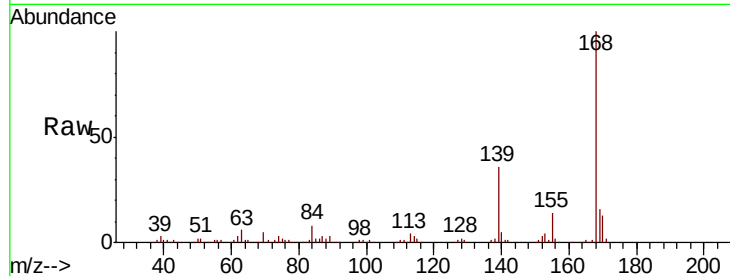
Tgt Ion:139 Resp: 54468

Ion Ratio Lower Upper

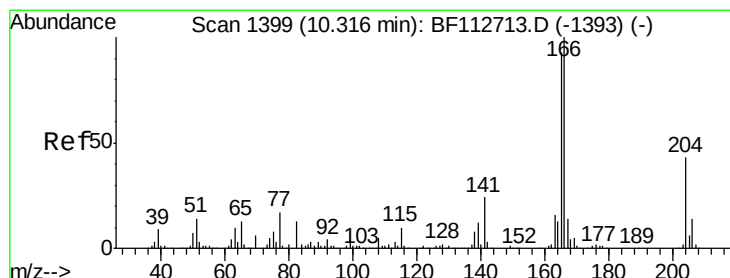
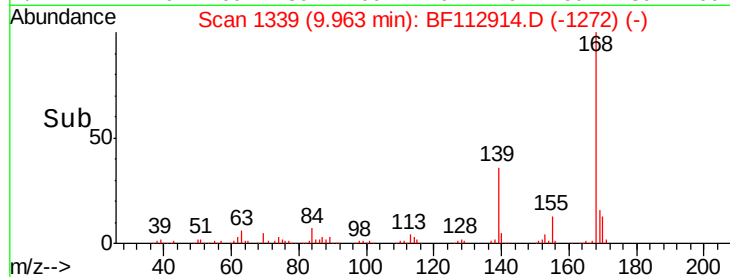
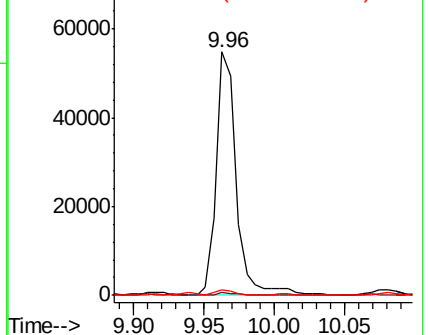
139 100

109 1.2 46.8 86.8#

65 2.1 80.7 120.7#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1



#58

Fluorene

Concen: 3.512 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

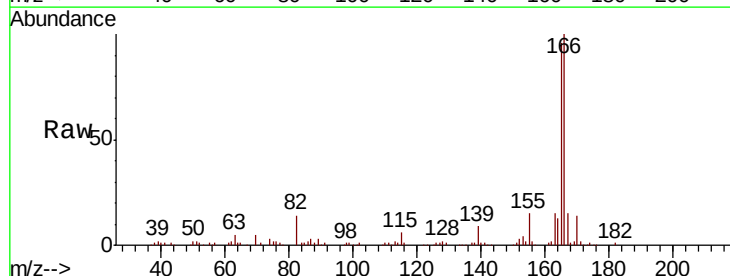
Tgt Ion:166 Resp: 131901

Ion Ratio Lower Upper

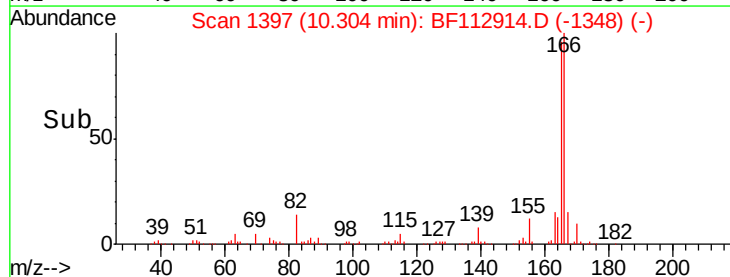
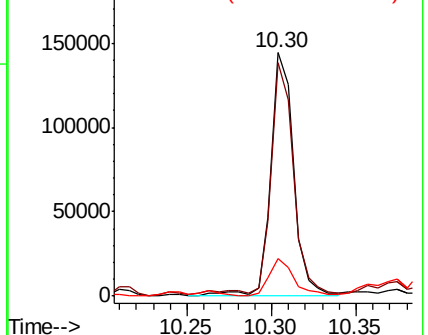
166 100

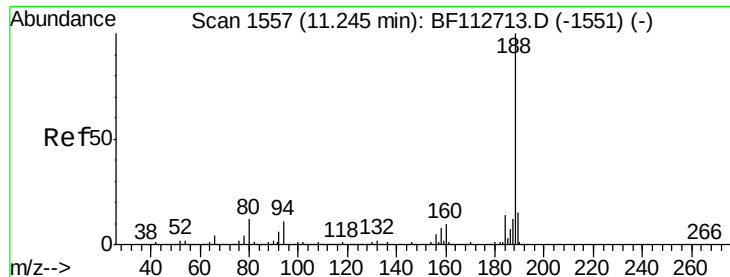
165 96.1 74.7 112.1

167 15.5 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW012-022719RE

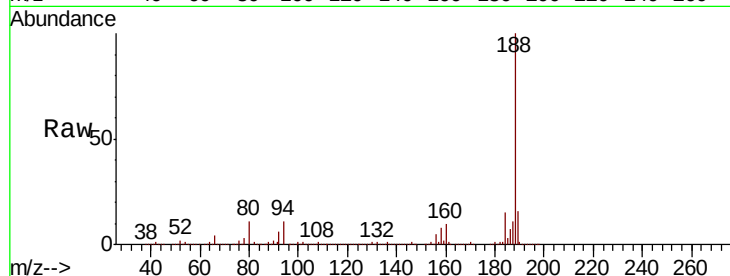
Tgt Ion:188 Resp: 1084966

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.4

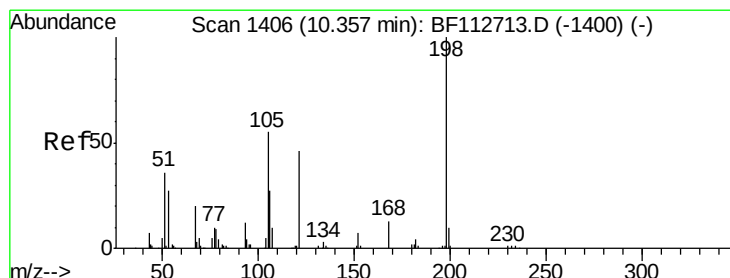
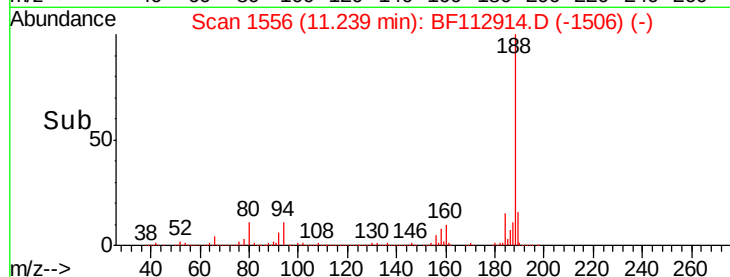
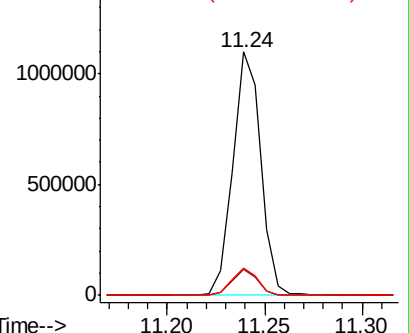
80 11.1 9.2 13.8



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: 4.725 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

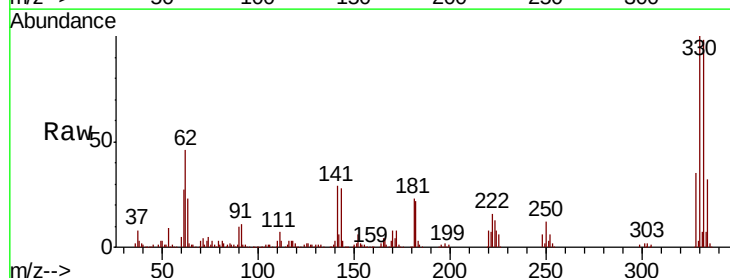
Tgt Ion:198 Resp: 555

Ion Ratio Lower Upper

198 100

51 600.0 43.8 83.8#

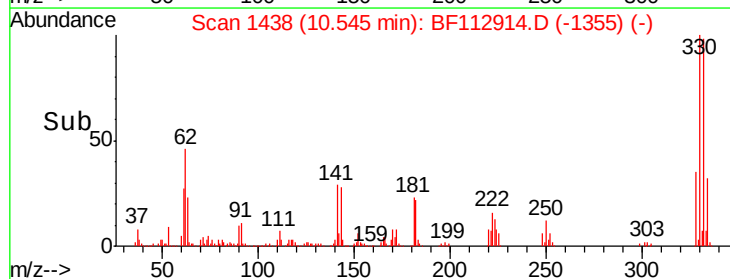
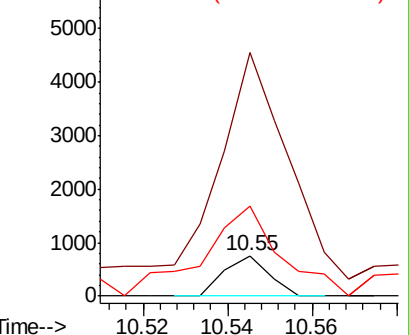
105 222.4 36.5 76.5#

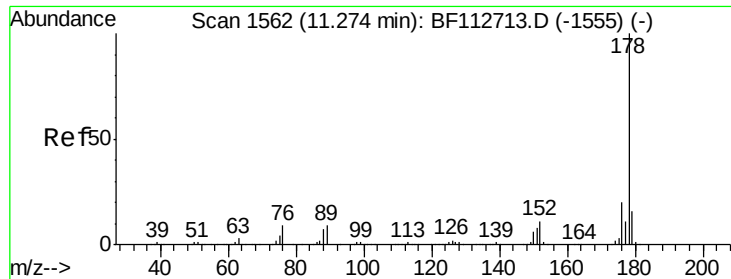


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

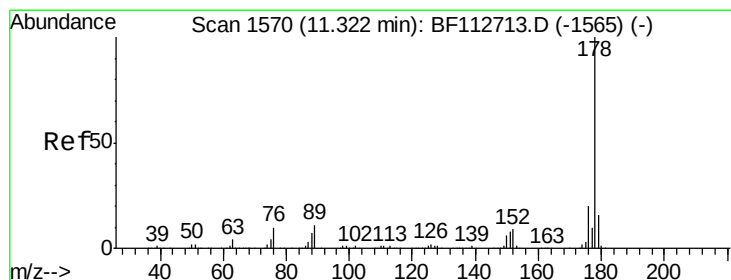
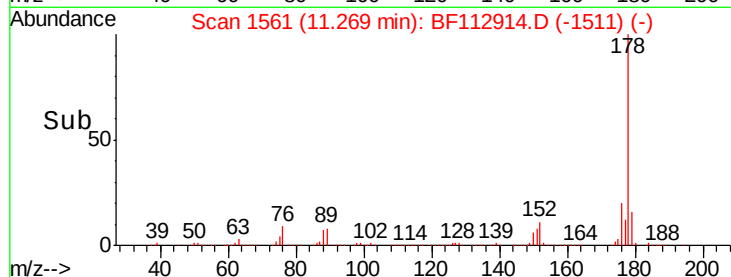
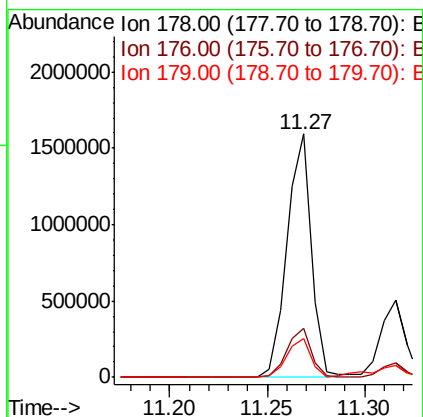
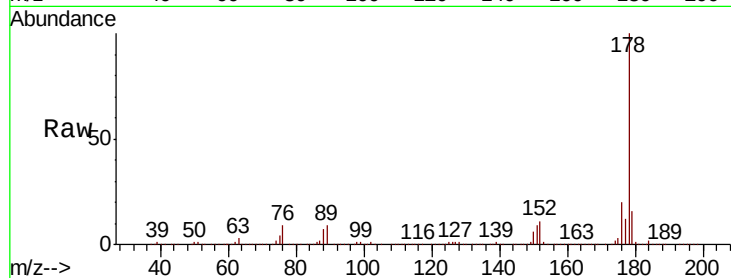




#71
Phenanthrene
Concen: 25.417 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

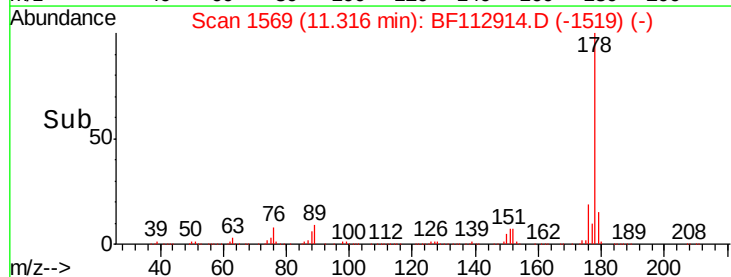
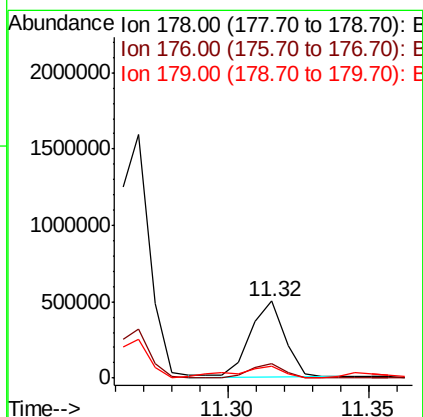
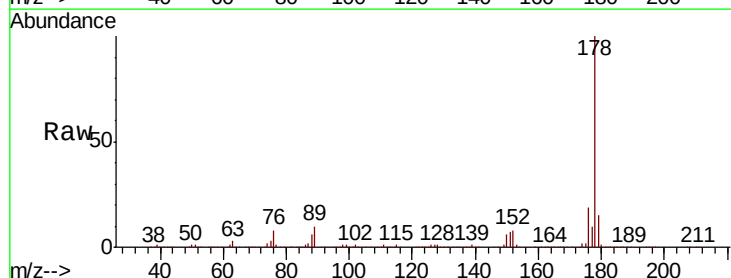
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719RE

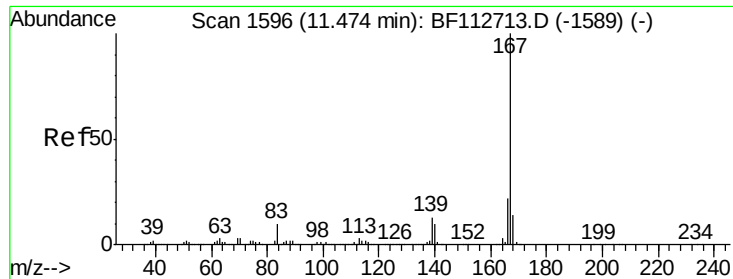
Tgt Ion:178 Resp: 1372056
Ion Ratio Lower Upper
178 100
176 20.3 16.3 24.5
179 15.8 12.7 19.1



#72
Anthracene
Concen: 7.608 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Tgt Ion:178 Resp: 429886
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.4 13.0 19.6

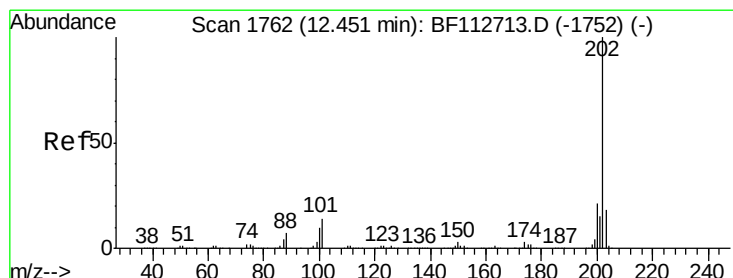
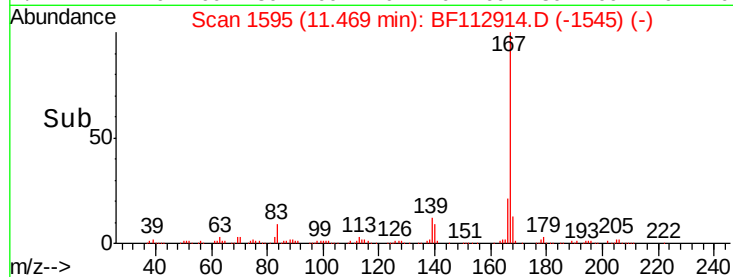
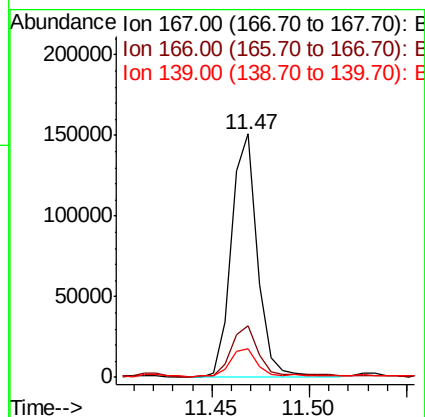
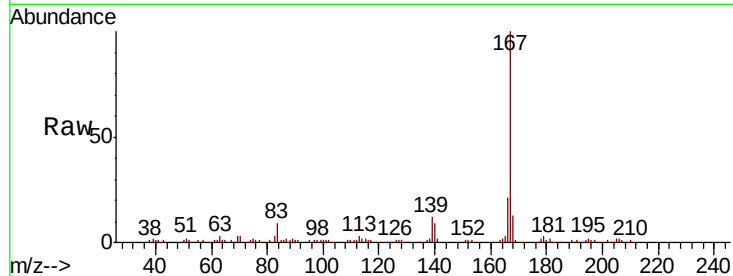




#73
 Carbazole
 Concen: 2.525 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF112914.D
 Acq: 7 Mar 2019 6:38

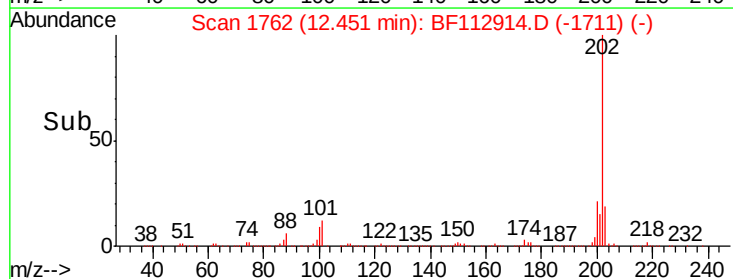
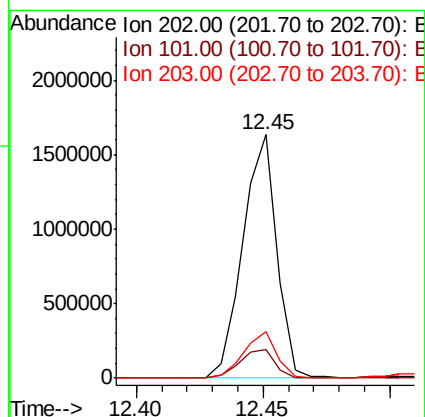
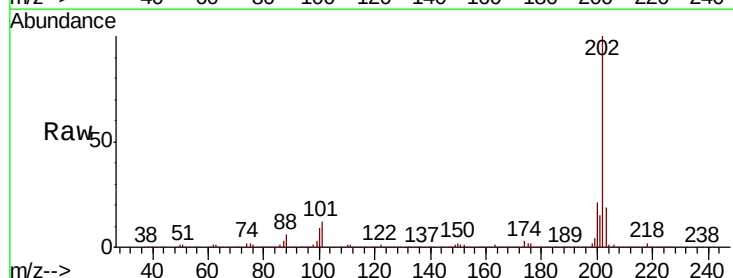
Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW012-022719RE

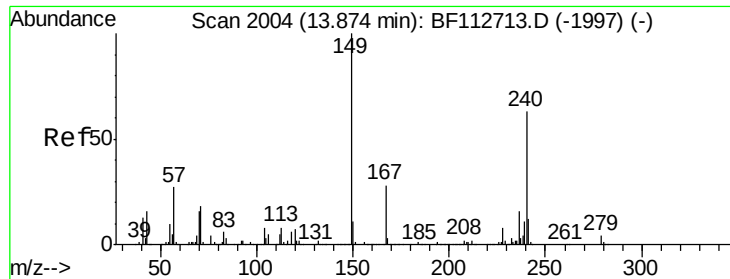
Tgt Ion:167 Resp: 139185
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.5 26.3
 139 12.0 10.8 16.2



#75
 Fluoranthene
 Concen: 26.258 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF112914.D
 Acq: 7 Mar 2019 6:38

Tgt Ion:202 Resp: 1518639
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 33.8
 203 18.9 0.0 38.4

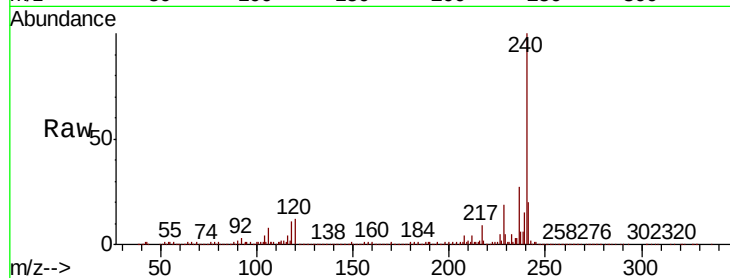




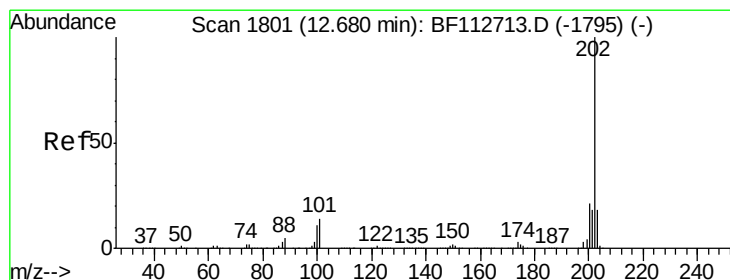
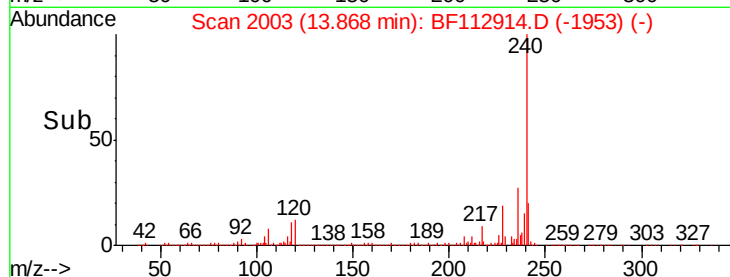
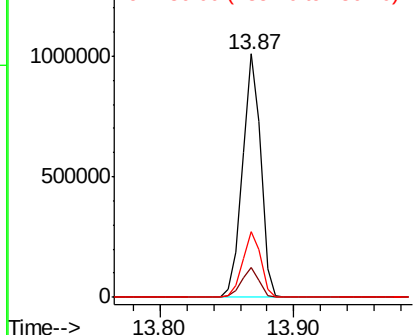
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719RE

Tgt Ion:240 Resp: 951068
Ion Ratio Lower Upper
240 100
120 12.3 8.9 13.3
236 26.8 20.7 31.1

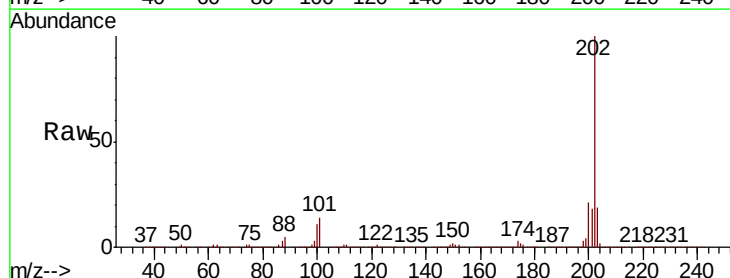


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

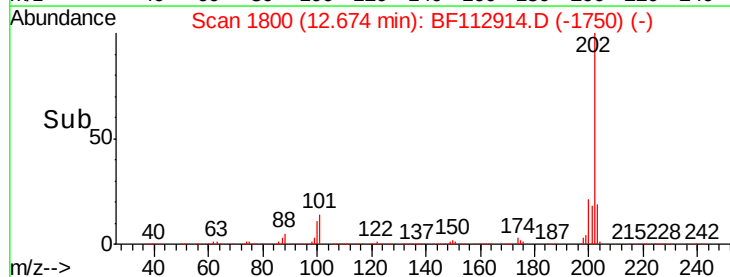
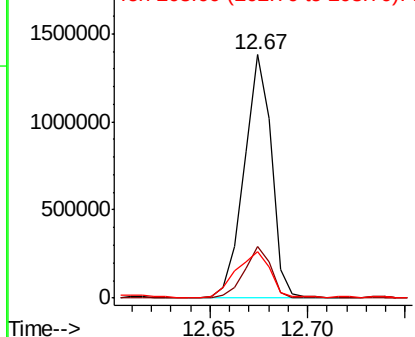


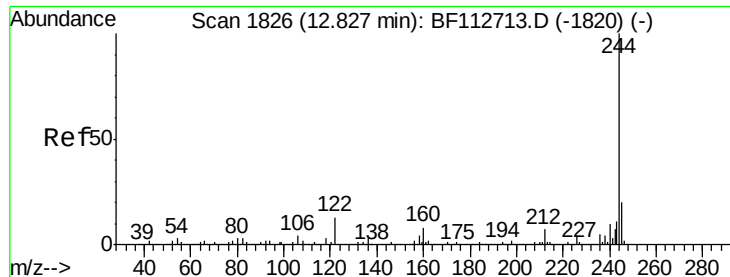
#78
Pyrene
Concen: 16.647 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Tgt Ion:202 Resp: 1334678
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 19.0 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: 23.759 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW012-022719RE

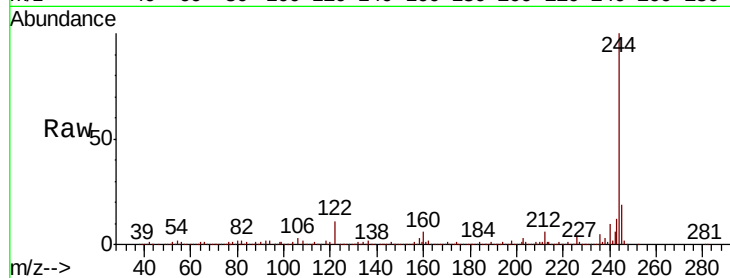
Tgt Ion:244 Resp: 1165659

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

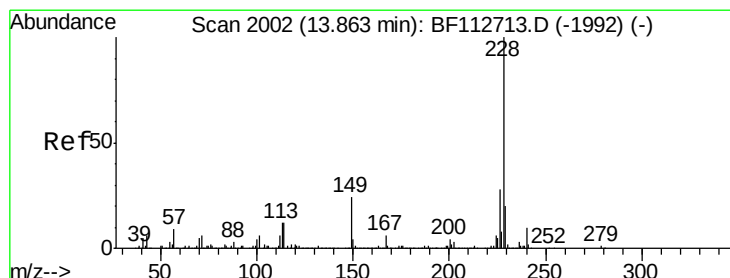
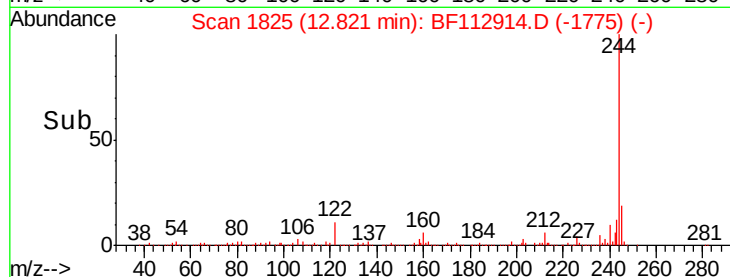
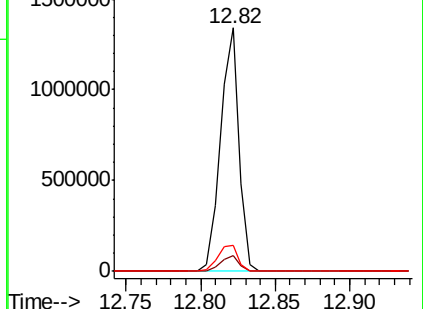
122 10.5 10.5 15.7



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: 12.163 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

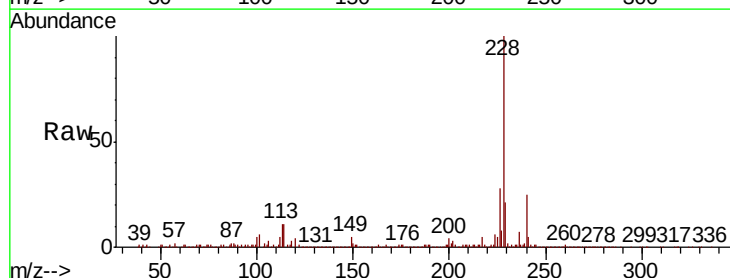
Tgt Ion:228 Resp: 801761

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.4

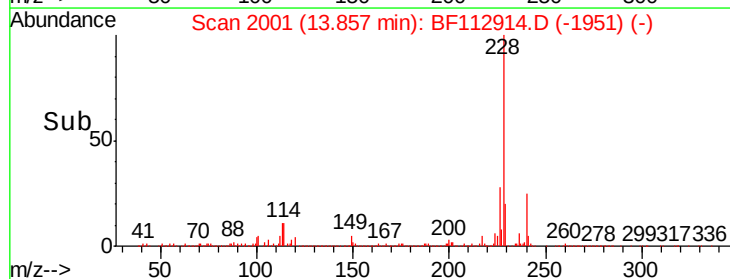
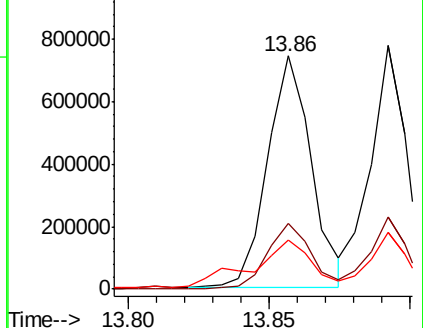
229 21.0 16.0 24.0

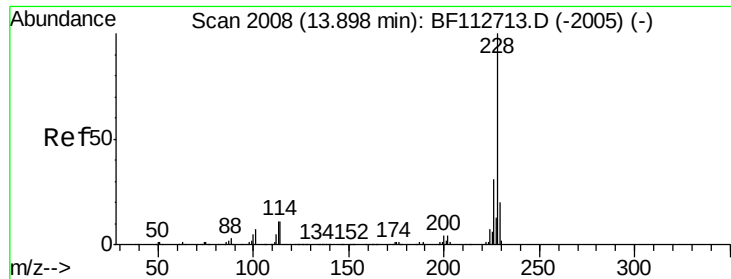


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.591 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW012-022719RE

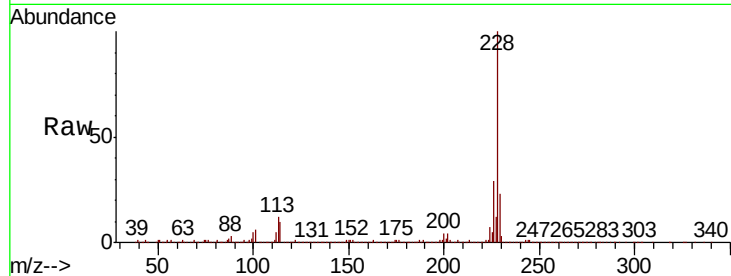
Tgt Ion:228 Resp: 683822

Ion Ratio Lower Upper

228 100

226 29.4 24.9 37.3

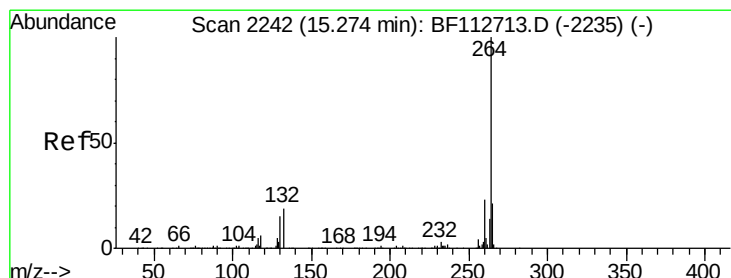
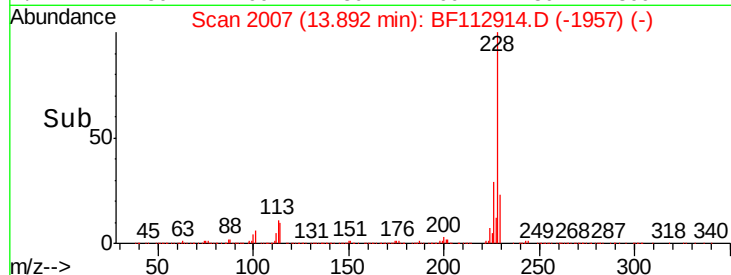
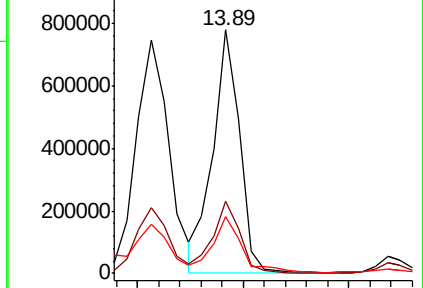
229 23.4 16.3 24.5



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: 15.27 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

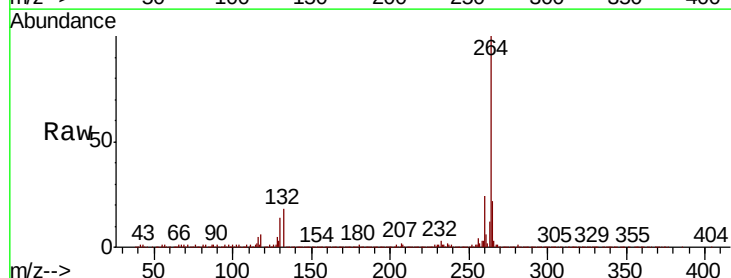
Tgt Ion:264 Resp: 836230

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

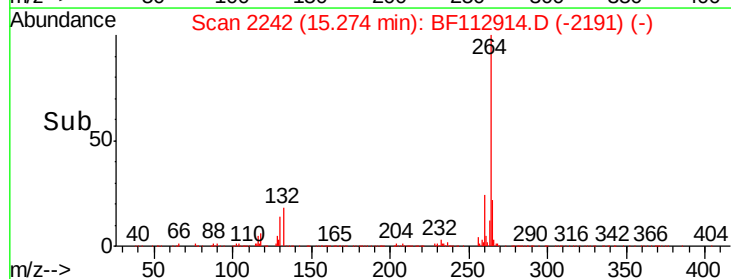
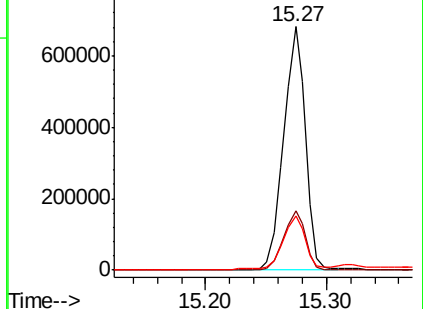
265 22.2 17.2 25.8

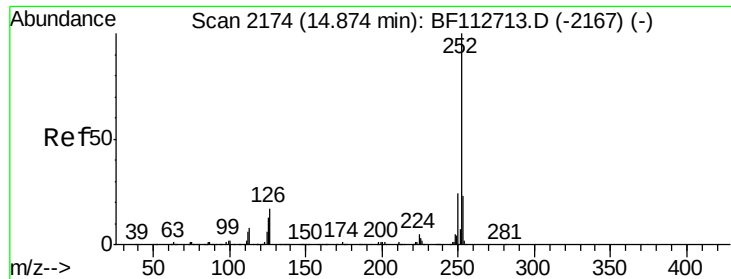


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

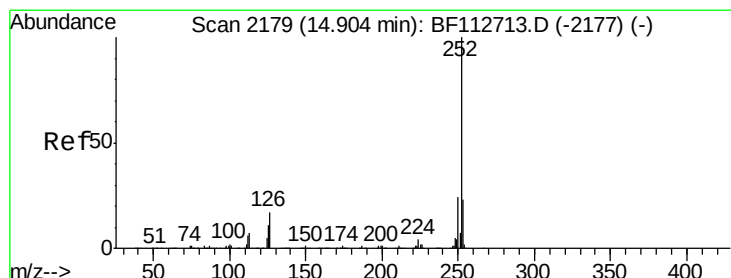
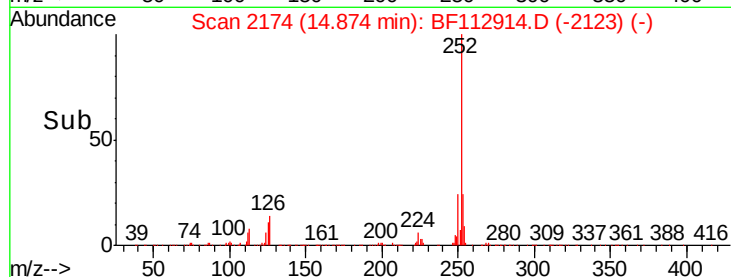
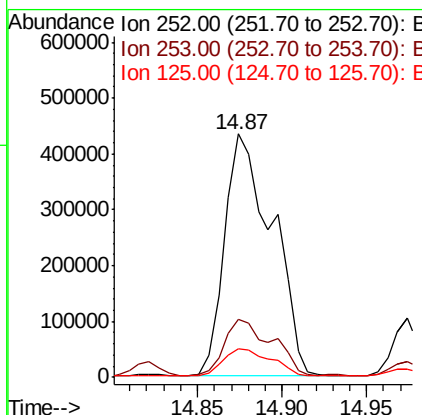
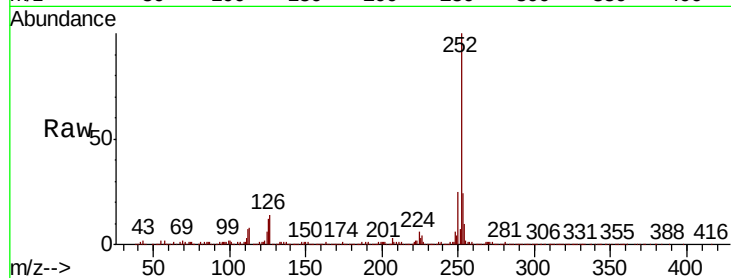




#88
Benzo(b)fluoranthene
Concen: 15.735 ng
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

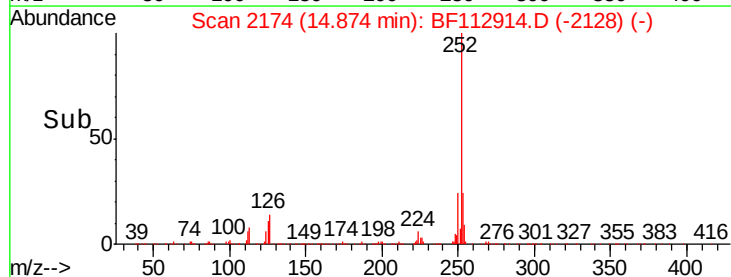
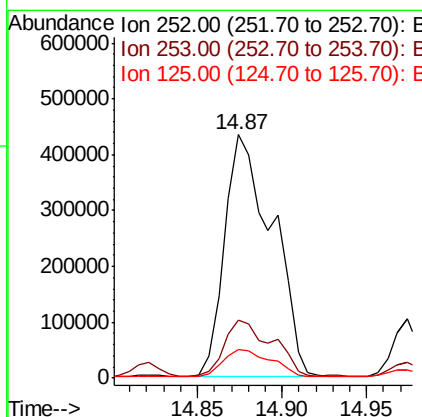
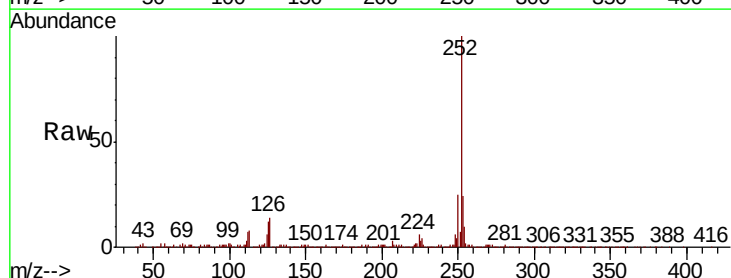
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719RE

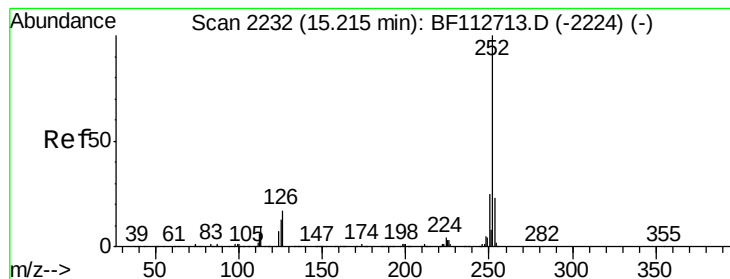
Tgt Ion:252 Resp: 851078
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 11.7 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 17.371 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF112914.D
Acq: 7 Mar 2019 6:38

Tgt Ion:252 Resp: 851078
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 11.7 9.8 14.6





#90

Benzo(a)pyrene

Concen: 9.033 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW012-022719RE

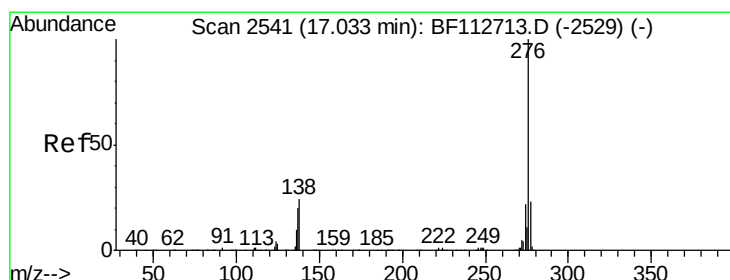
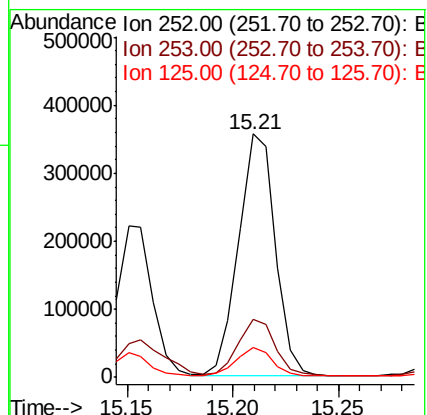
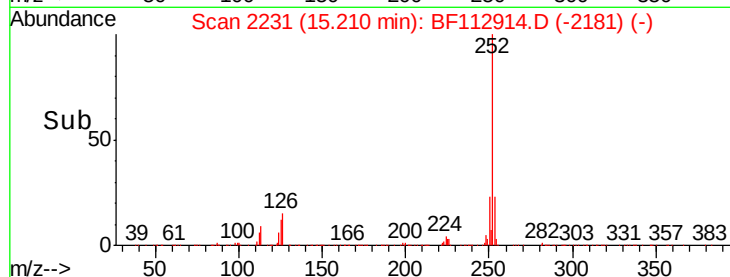
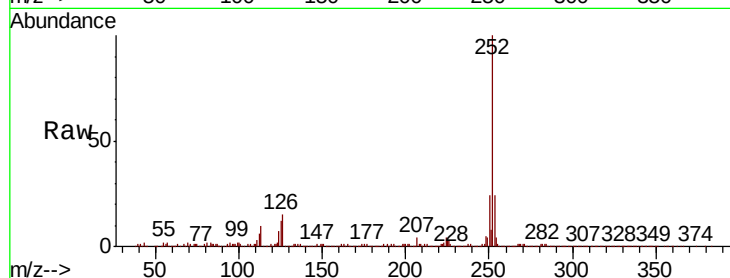
Tgt Ion: 252 Resp: 432153

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

125 12.5 10.7 16.1



#92

Benzo(g,h,i)perylene

Concen: 3.973 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BF112914.D

Acq: 7 Mar 2019 6:38

Tgt Ion: 276 Resp: 162870

Ion Ratio Lower Upper

276 100

277 24.0 18.6 27.8

138 21.1 19.4 29.0

