

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112014.D
 Acq On : 11 Jan 2019 14:46
 Operator : JU/SJ
 Sample : K1088-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 11 21:22:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	118852	20.00	ng	-0.02
21) Naphthalene-d8	8.16	136	321757	20.00	ng	-0.02
39) Acenaphthene-d10	9.92	164	136723	20.00	ng	-0.02
64) Phenanthrene-d10	11.42	188	212268	20.00	ng	0.00
76) Chrysene-d12	14.10	240	201378	20.00	ng	0.05
87) Perylene-d12	15.60	264	160583	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	697538	100.41	ng	-0.02
7) Phenol-d6	6.52	99	890187	99.42	ng	-0.02
23) Nitrobenzene-d5	7.43	82	435714	72.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	163611	92.00	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	697330	74.37	ng	-0.02
79) Terphenyl-d14	13.03	244	671308	63.28	ng	0.03

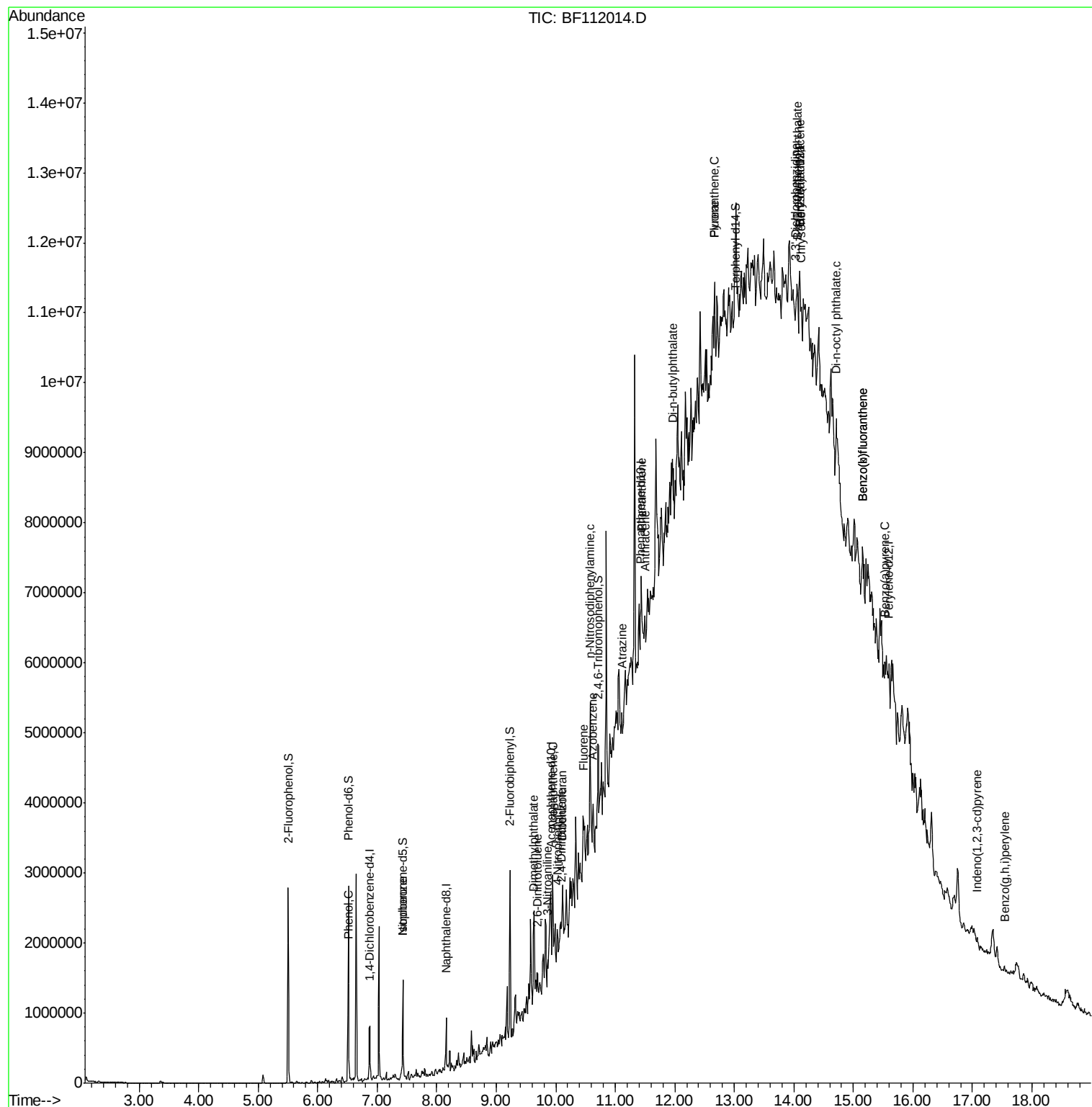
Target Compounds				Qvalue		
9) Benzaldehyde	6.42	77	1226	Below Cal	#	71
10) Phenol	6.53	94	44352	4.557 ng	#	75
25) Isophorone	7.43	82	429788	44.086 ng	#	66
50) Dimethylphthalate	9.62	163	106459	10.365 ng	#	89
51) 2,6-Dinitrotoluene	9.68	165	5723	2.492 ng	#	52
52) Acenaphthene	9.95	154	173823	20.318 ng		90
53) 3-Nitroaniline	9.87	138	5936	2.413 ng	#	36
55) Dibenzofuran	10.12	168	89142	7.165 ng	#	84
56) 4-Nitrophenol	10.03	139	5557	3.198 ng	#	1
57) 2,4-Dinitrotoluene	10.09	165	10744	3.620 ng	#	60
58) Fluorene	10.47	166	146957	16.233 ng	#	93
63) Azobenzene	10.62	77	25334	2.668 ng	#	1
66) n-Nitrosodiphenylamine	10.58	169	93293	13.097 ng	#	55
69) Atrazine	11.11	200	5518	2.205 ng	#	1
71) Phenanthrene	11.44	178	310778	27.384 ng	#	90
72) Anthracene	11.50	178	159857	13.876 ng	#	84
74) Di-n-butylphthalate	11.98	149	27540	2.116 ng	#	7
75) Fluoranthene	12.67	202	587954	50.465 ng		94
78) Pyrene	12.67	202	587954	42.433 ng		97
81) Benzo(a)anthracene	14.09	228	184288	15.901 ng	#	76
82) 3,3'-Dichlorobenzidine	14.03	252	10446	2.441 ng	#	21
83) Chrysene	14.13	228	175790	15.908 ng	#	76
84) Bis(2-ethylhexyl)phthalate	14.06	149	257755	33.505 ng	#	86
85) Di-n-octyl phthalate	14.71	149	22389	2.034 ng	#	1
86) Indeno(1,2,3-cd)pyrene	17.09	276	41677	5.173 ng		98
88) Benzo(b)fluoranthene	15.16	252	152001	15.824 ng	#	1
89) Benzo(k)fluoranthene	15.16	252	152001	16.834 ng	#	1
90) Benzo(a)pyrene	15.53	252	93571	11.078 ng	#	1
92) Benzo(g,h,i)perylene	17.53	276	43336	6.522 ng	#	71

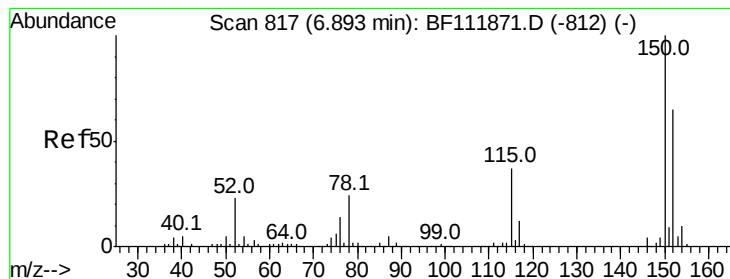
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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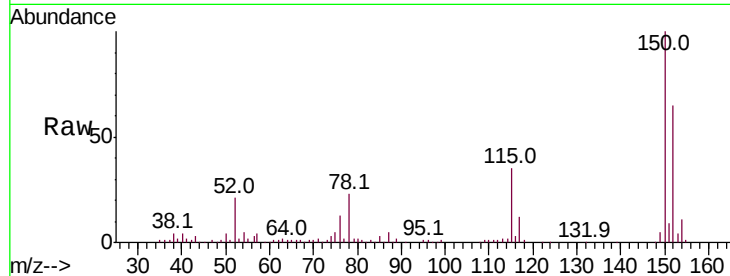


#1

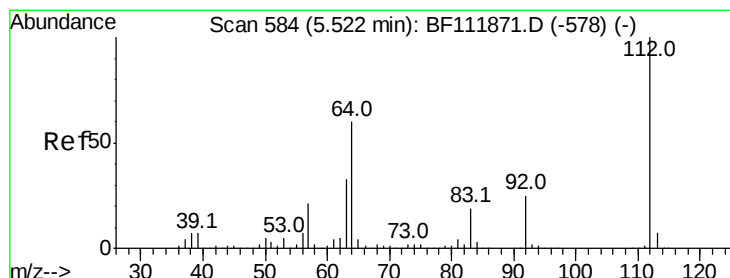
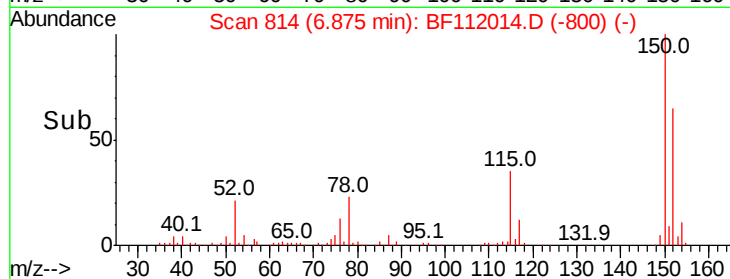
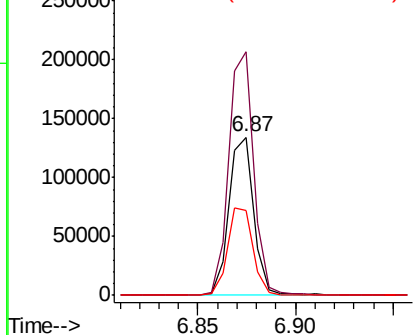
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF112014.D
Acq: 11 Jan 2019 14:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118852
Ion Ratio Lower Upper
152 100
150 153.7 122.7 184.1
115 53.7 45.2 67.8



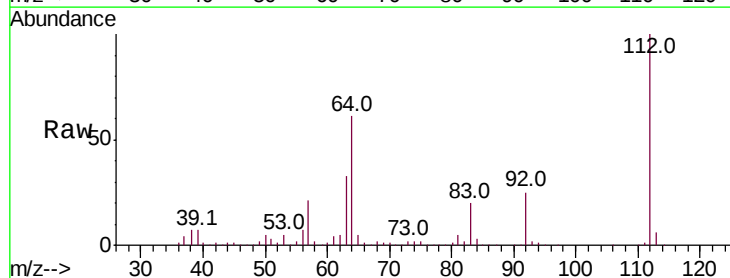
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



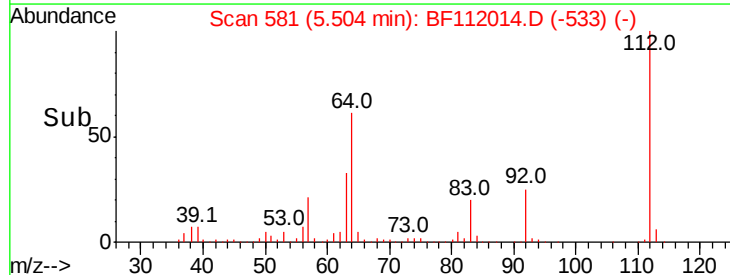
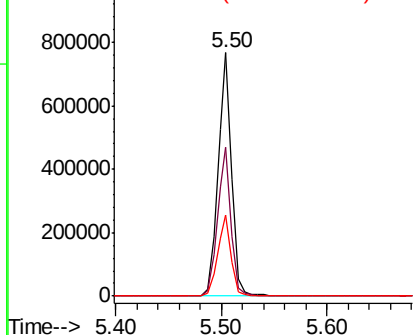
#5

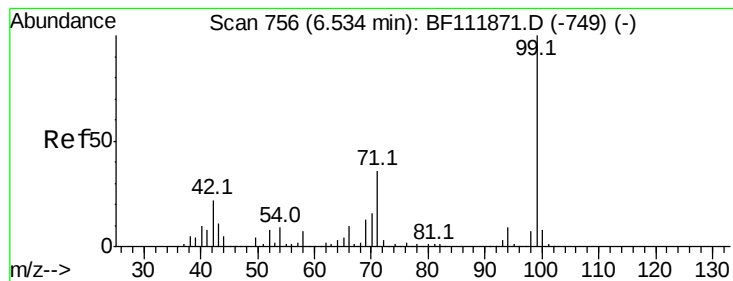
2-Fluorophenol
Concen: 100.407 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF112014.D
Acq: 11 Jan 2019 14:46

Tgt Ion:112 Resp: 697538
Ion Ratio Lower Upper
112 100
64 61.4 48.3 72.5
63 33.5 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 99.418 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

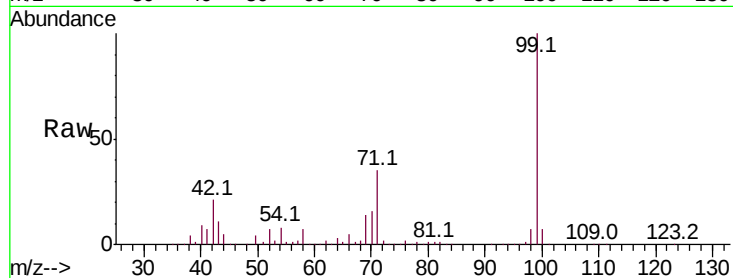
Tot Ion: 99 Resp: 890187

Ion Ratio Lower Upper

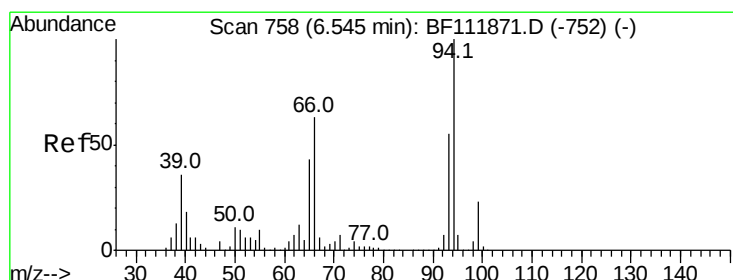
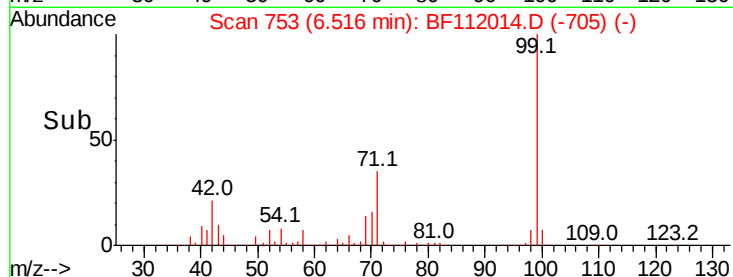
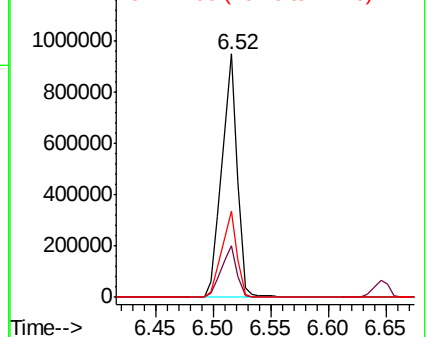
99 100

42 21.4 17.9 26.9

71 35.2 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.557 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

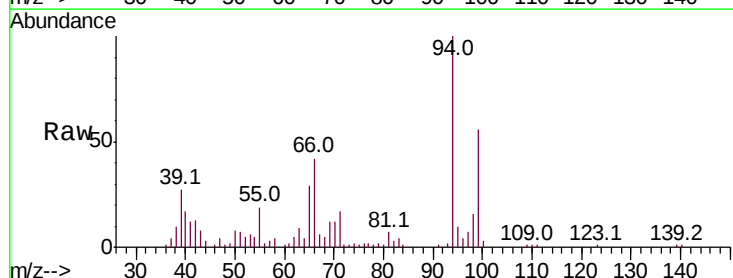
Tgt Ion: 94 Resp: 44352

Ion Ratio Lower Upper

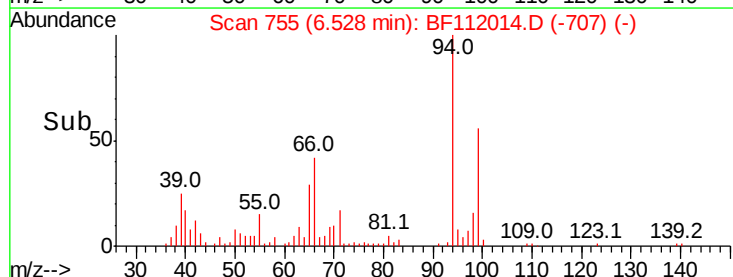
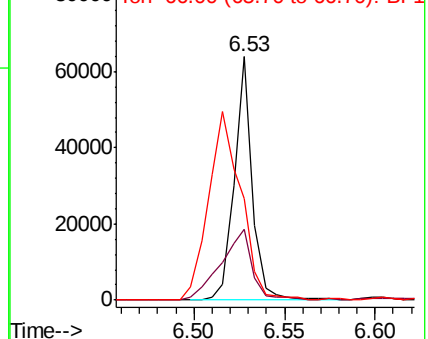
94 100

65 29.1 22.8 62.8

66 41.6 43.3 83.3#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

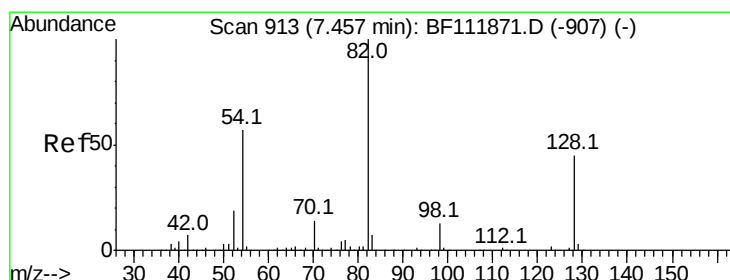
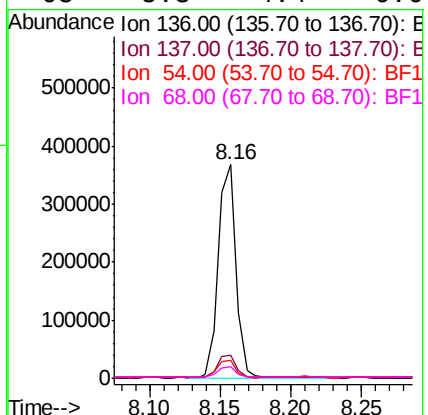
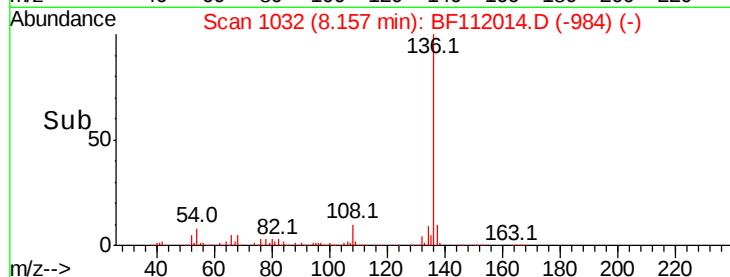
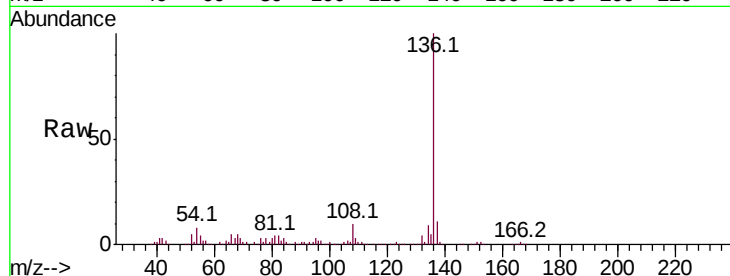




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF112014.D
Acq: 11 Jan 2019 14:46

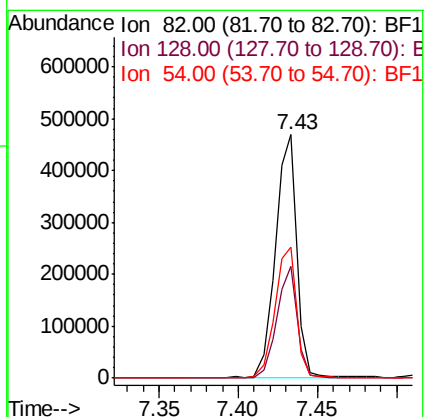
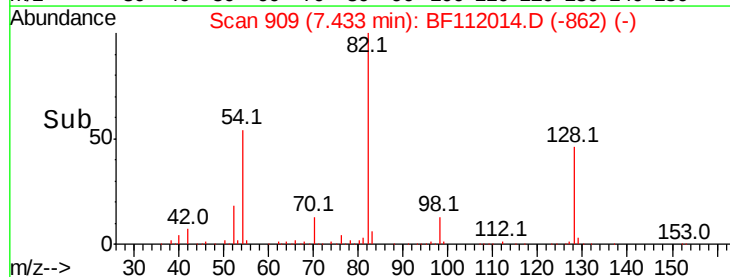
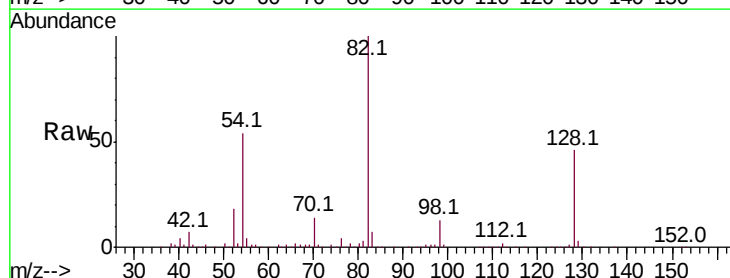
Instrument :
BNA_F
ClientSampleId :

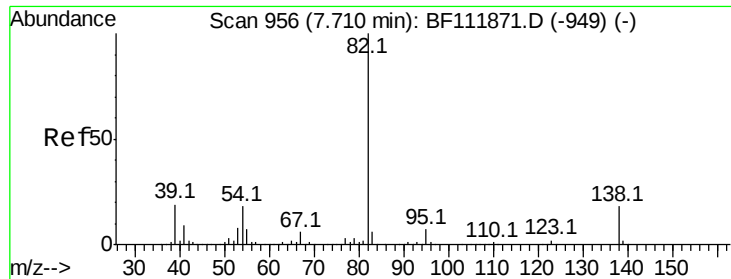
Tot Ion:136	Resp:	321757
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.1 13.7
54	8.1	7.2 10.8
68	5.3	4.4 6.6



#23
Nitrobenzene-d5
Concen: 72.374 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF112014.D
Acq: 11 Jan 2019 14:46

Tgt Ion: 82	Resp:	435714
Ion	Ratio	Lower Upper
82	100	
128	45.9	35.7 53.5
54	53.9	45.8 68.8





#25

Isophorone

Concen: 44.086 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

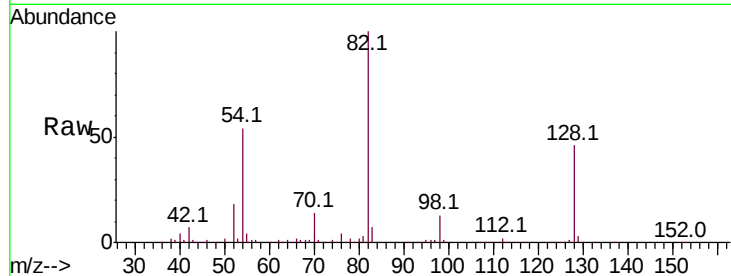
Tot Ion: 82 Resp: 429788

Ion Ratio Lower Upper

82 100

95 1.1 5.8 8.6#

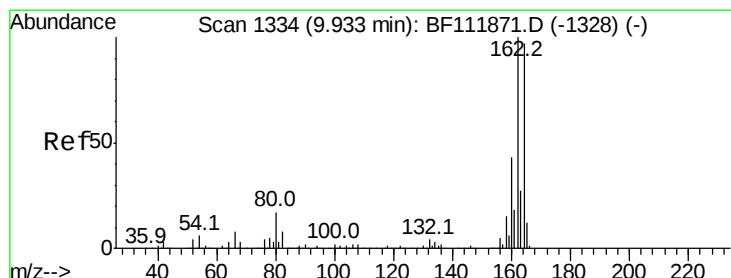
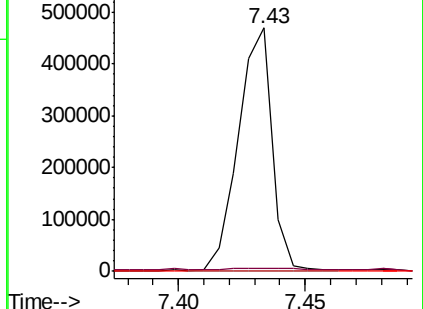
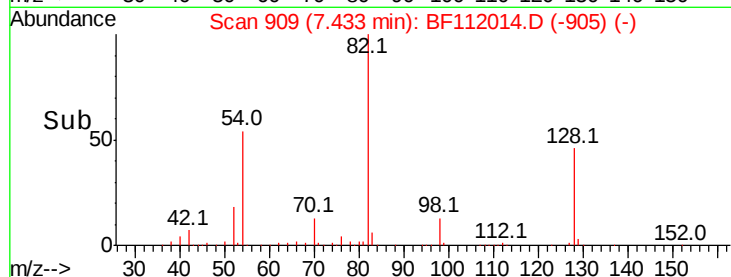
138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

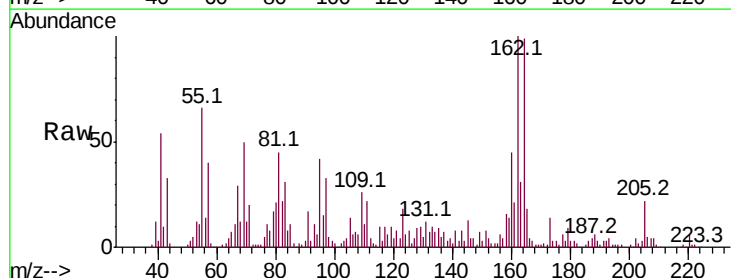
Tgt Ion:164 Resp: 136723

Ion Ratio Lower Upper

164 100

162 101.0 82.2 123.2

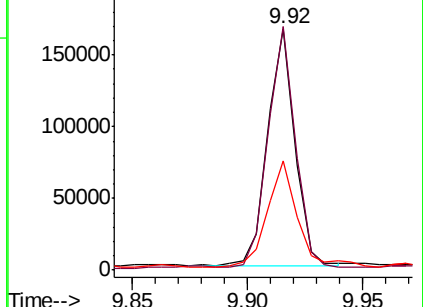
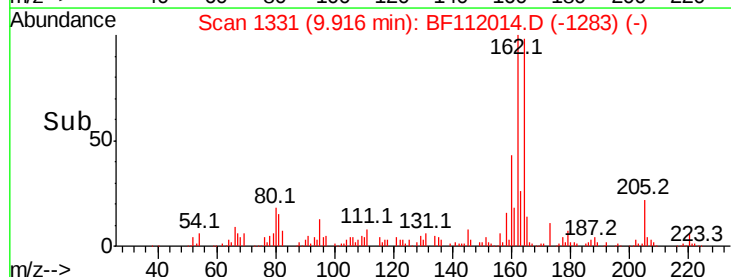
160 45.1 35.5 53.3

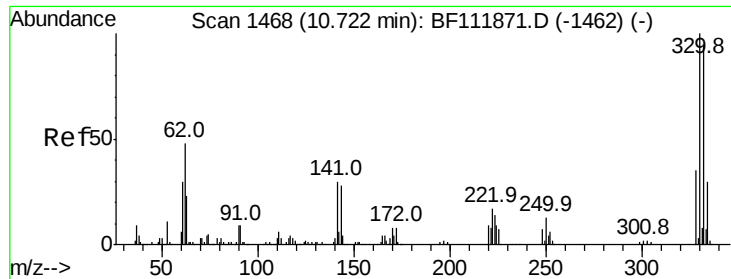


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 92.001 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

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ClientSampleId :

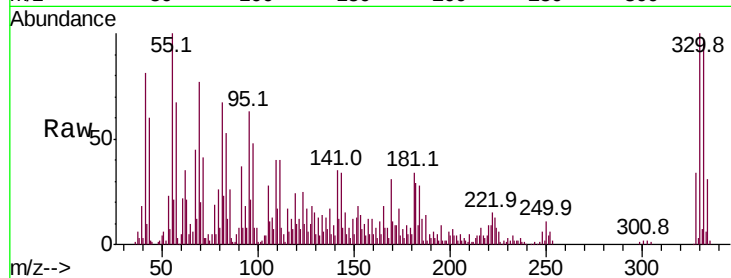
Tot Ion:330 Resp: 163611

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

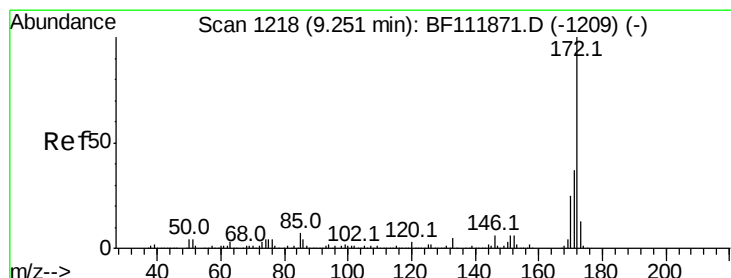
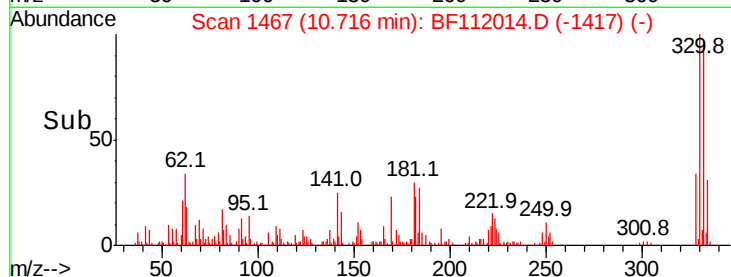
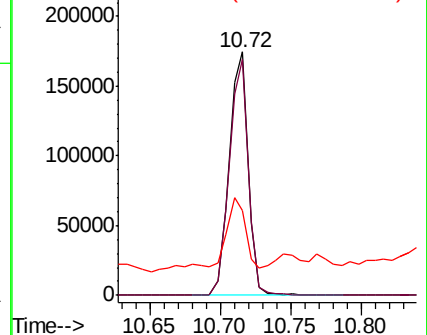
141 26.9 23.7 35.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 74.373 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

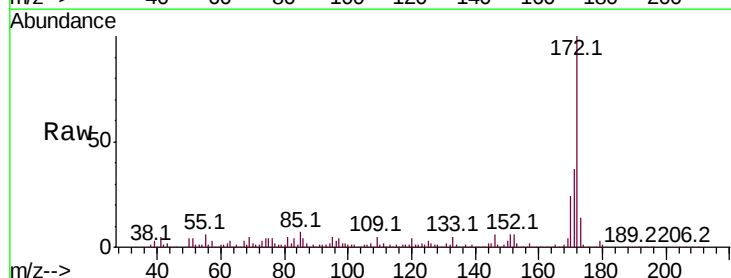
Tgt Ion:172 Resp: 697330

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

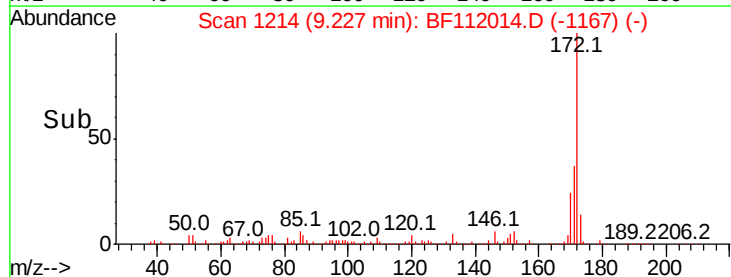
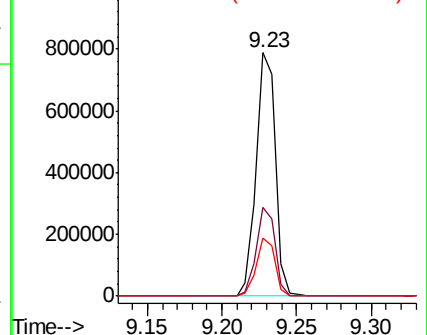
170 23.6 19.8 29.8

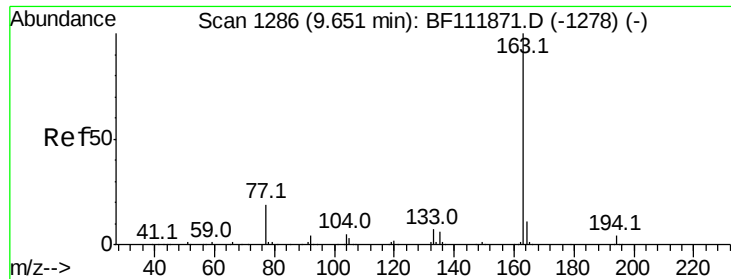


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.365 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.03 min

Lab File: BF112014.D

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ClientSampleId :

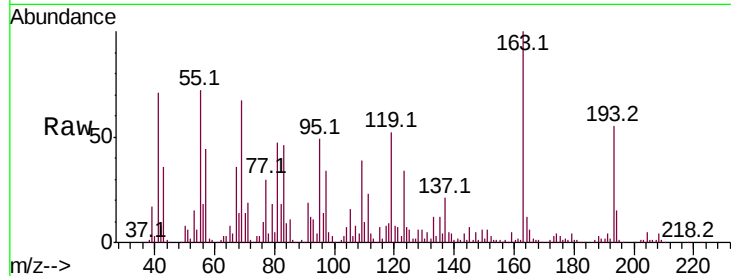
Tot Ion:163 Resp: 106459

Ion Ratio Lower Upper

163 100

194 14.8 3.4 5.2#

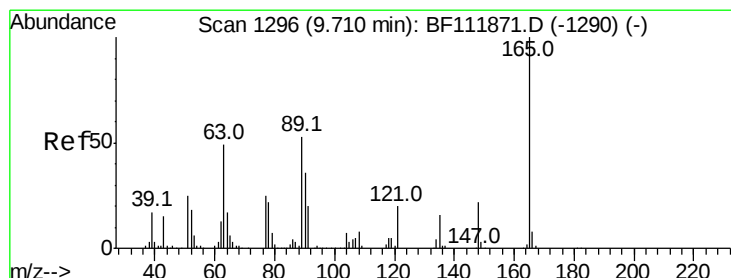
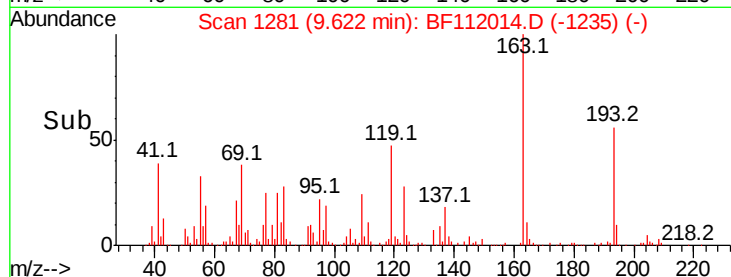
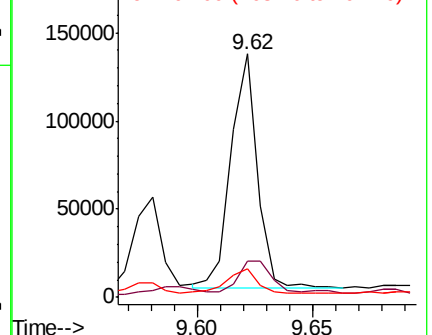
164 11.7 8.5 12.7



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: 2.492 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.03 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

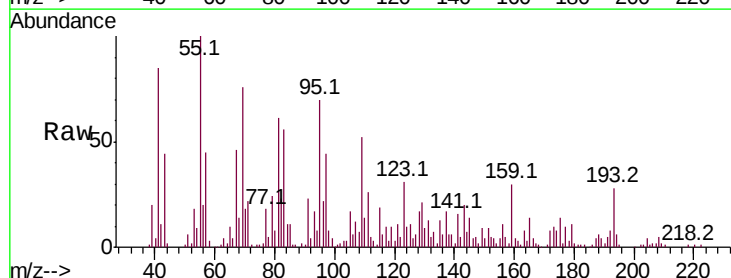
Tgt Ion:165 Resp: 5723

Ion Ratio Lower Upper

165 100

63 26.5 46.2 69.2#

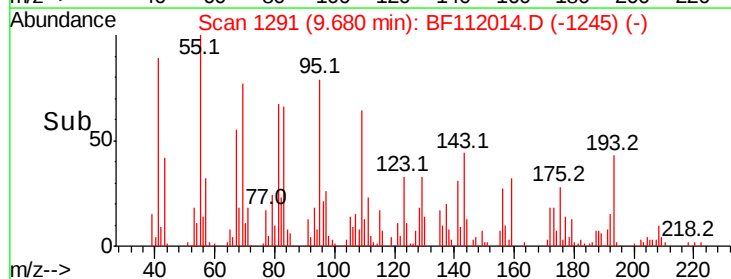
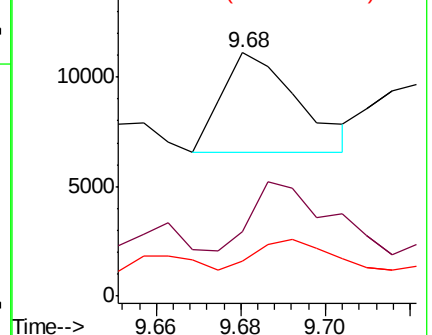
89 14.5 42.2 63.2#

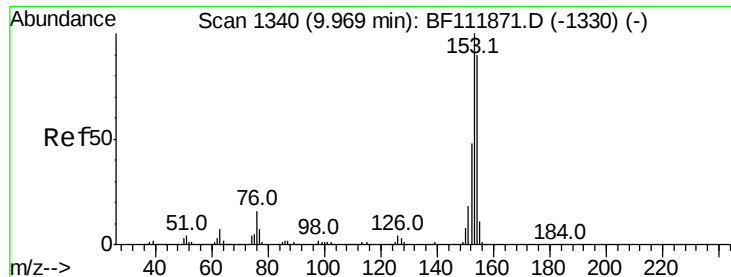


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 20.318 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

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ClientSampleId :

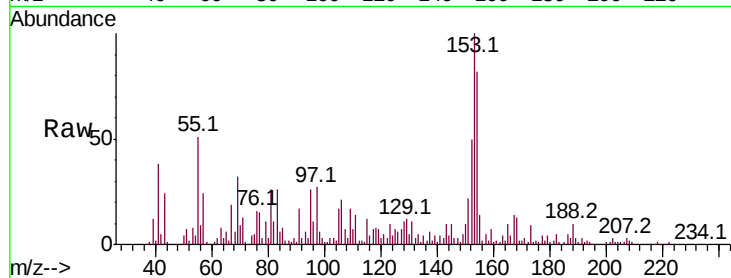
Tot Ion:154 Resp: 173823

Ion Ratio Lower Upper

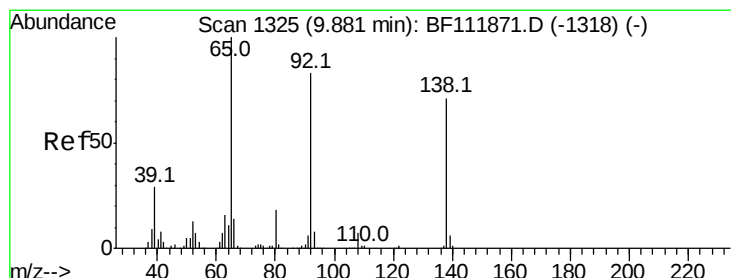
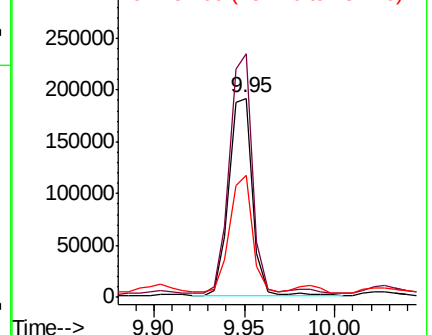
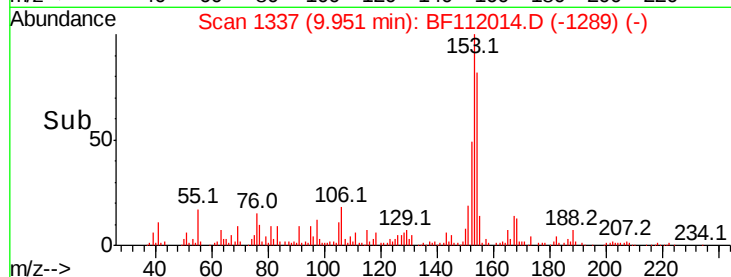
154 100

153 122.4 89.4 134.0

152 61.5 43.1 64.7



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



#53

3-Nitroaniline

Concen: 2.413 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

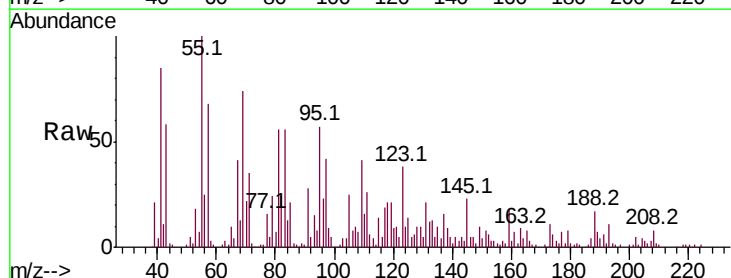
Tgt Ion:138 Resp: 5936

Ion Ratio Lower Upper

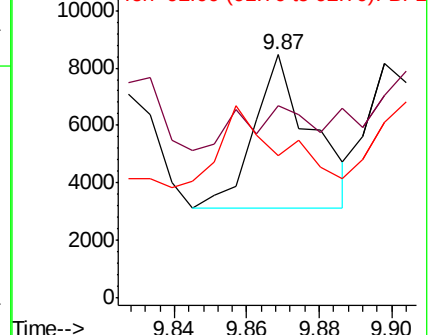
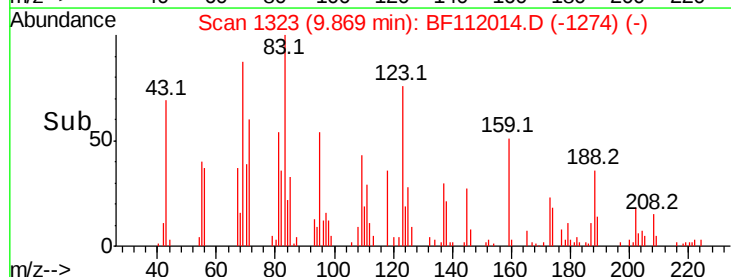
138 100

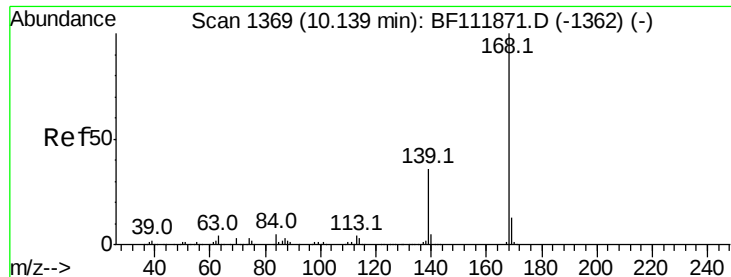
108 78.9 8.2 12.4#

92 58.7 93.5 140.3#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1





#55

Dibenzofuran

Concen: 7.165 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.02 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

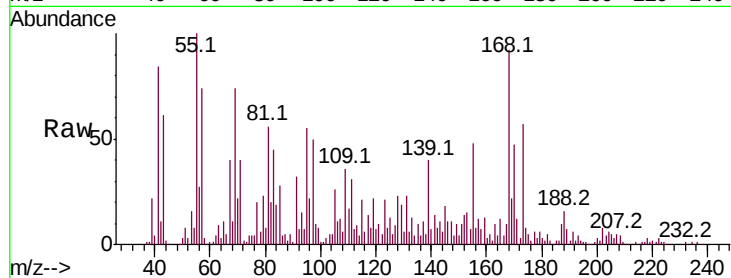
Tot Ion:168 Resp: 89142

Ion Ratio Lower Upper

168 100

139 43.9 29.3 43.9

169 23.7 10.6 16.0#

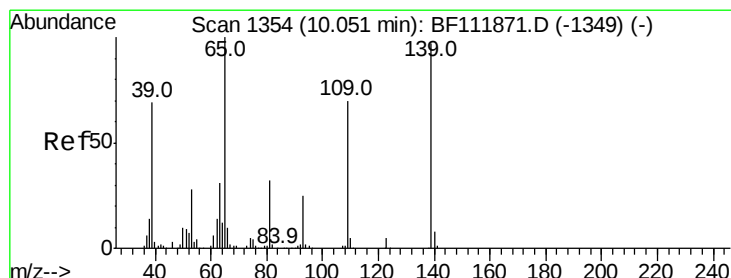
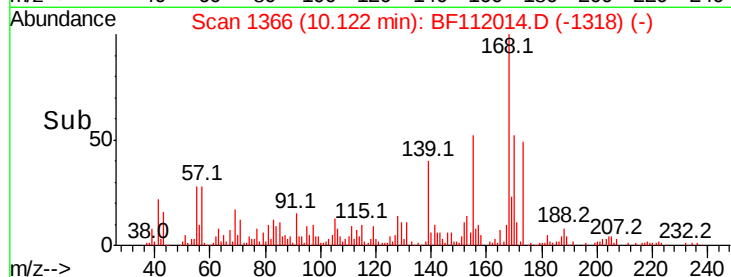
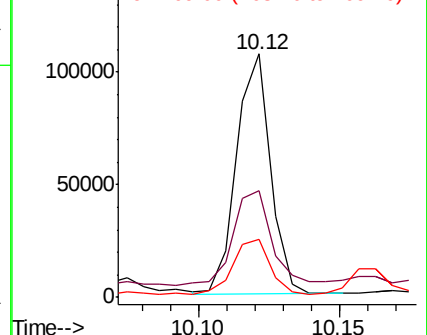


Abundance

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: 3.198 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.02 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

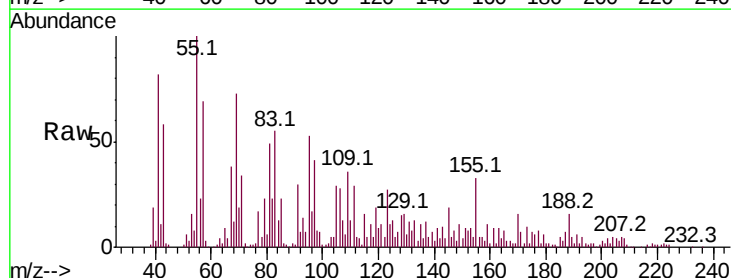
Tgt Ion:139 Resp: 5557

Ion Ratio Lower Upper

139 100

109 500.9 52.2 92.2#

65 120.6 83.1 123.1

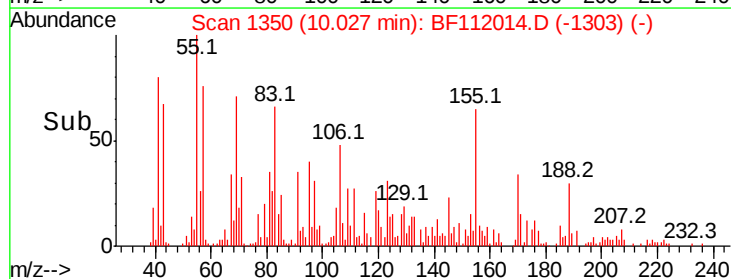
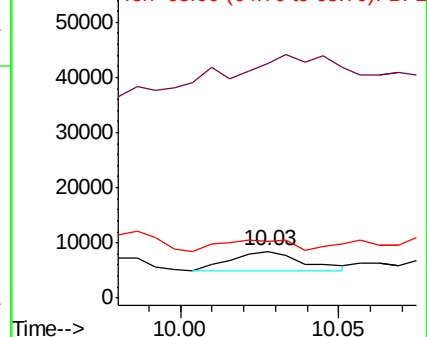


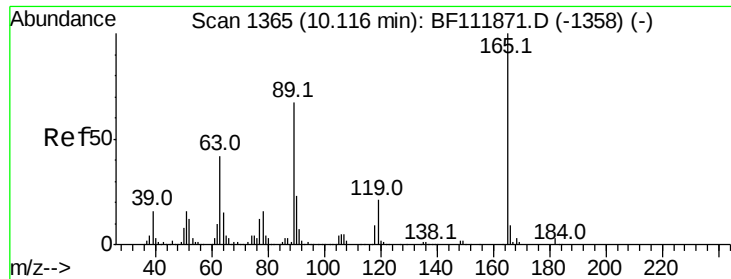
Abundance

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





#57

2,4-Dinitrotoluene

Concen: 3.620 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.02 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 10744

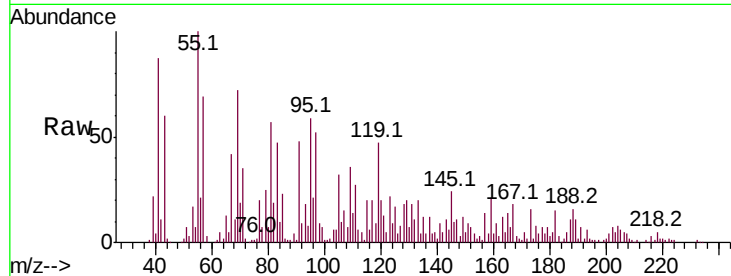
Ion Ratio Lower Upper

165 100

63 34.2 34.1 51.1

89 28.8 53.5 80.3#

182 104.5 2.0 3.0#

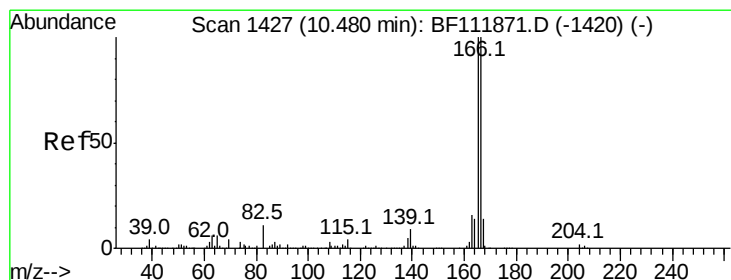
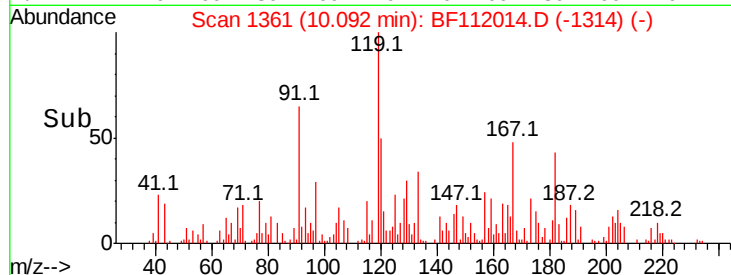
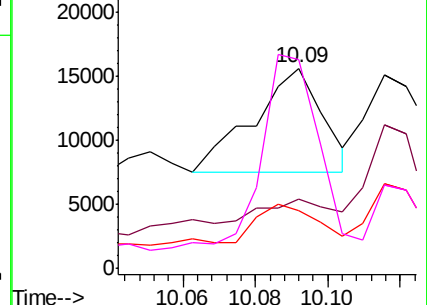


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 16.233 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

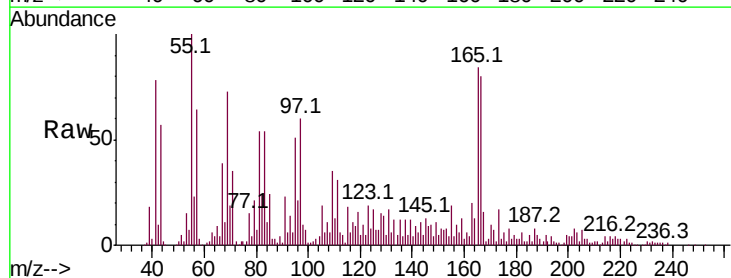
Tgt Ion:166 Resp: 146957

Ion Ratio Lower Upper

166 100

165 105.7 79.7 119.5

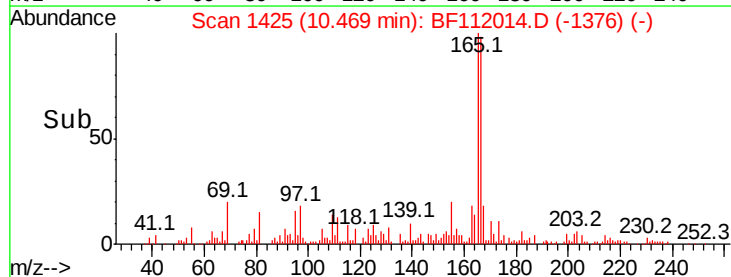
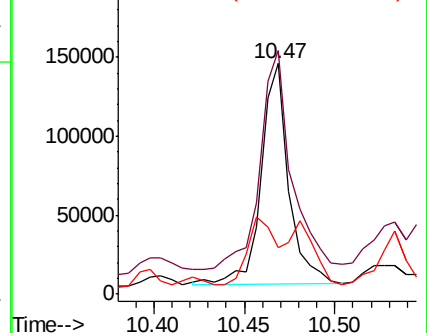
167 20.0 11.1 16.7#

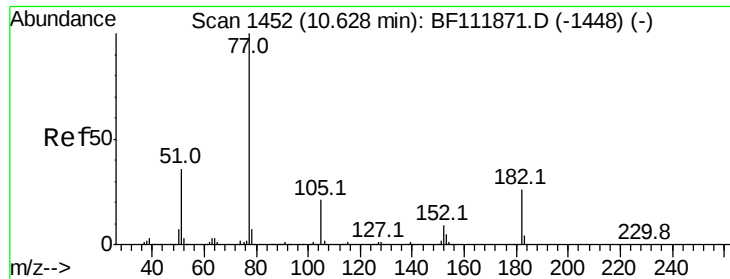


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Azobenzene

Concen: 2.668 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 25334

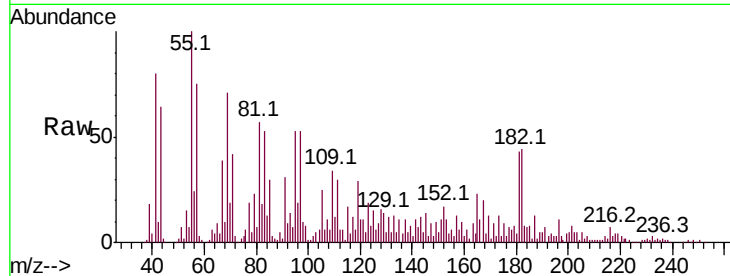
Ion Ratio Lower Upper

77 100

182 230.0 5.7 45.7#

105 133.0 0.8 40.8#

51 35.5 15.6 55.6

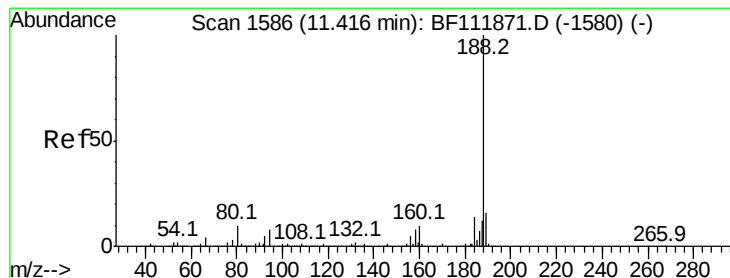
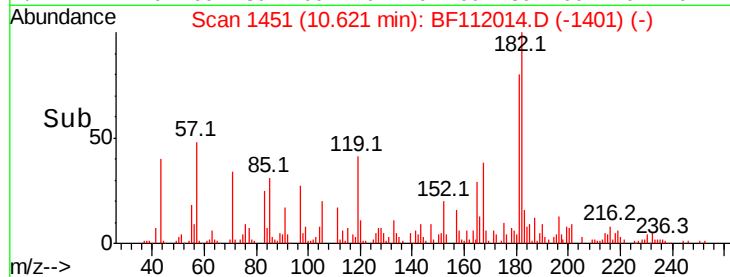
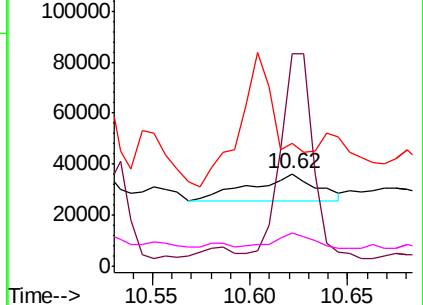


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

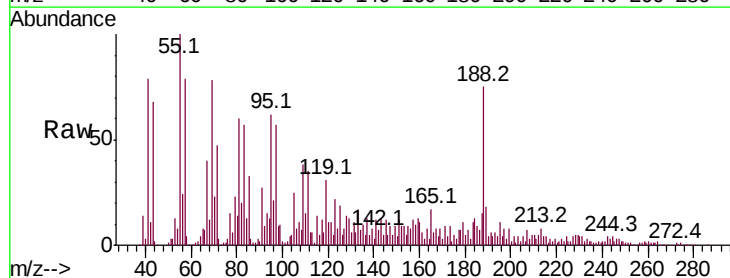
Tgt Ion: 188 Resp: 212268

Ion Ratio Lower Upper

188 100

94 17.7 6.6 10.0#

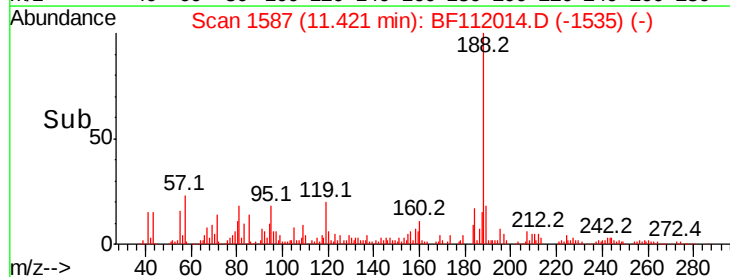
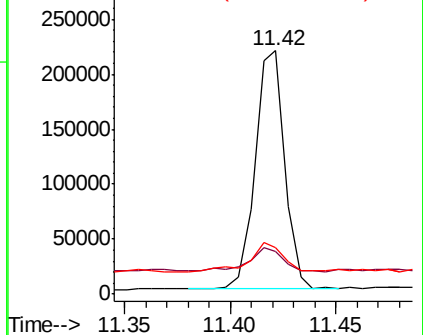
80 19.1 7.7 11.5#

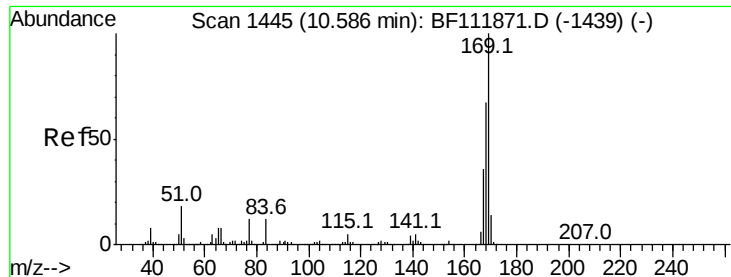


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#66

n-Nitrosodiphenylamine

Concen: 13.097 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

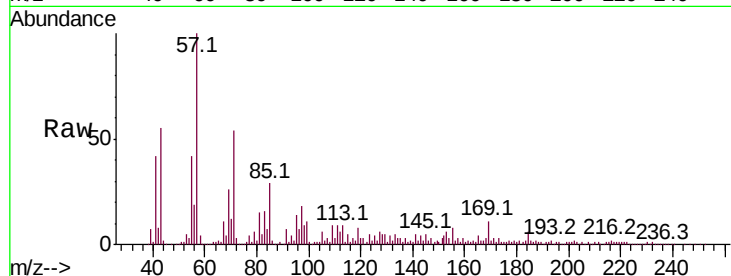
Tot Ion:169 Resp: 93293

Ion Ratio Lower Upper

169 100

168 25.9 53.8 80.6#

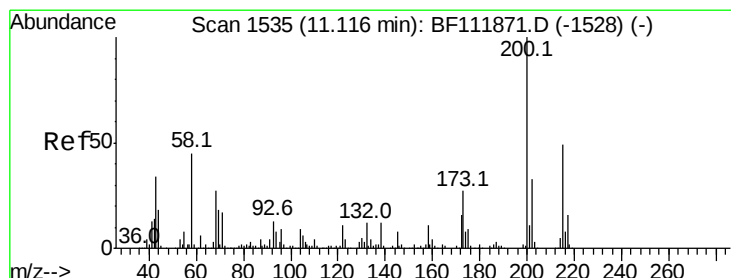
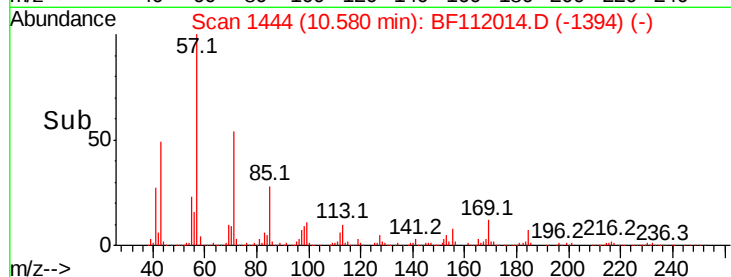
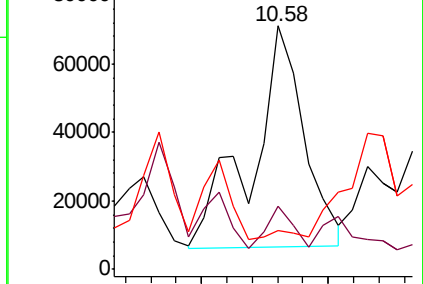
167 16.2 29.1 43.7#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Atrazine

Concen: 2.205 ng

RT: 11.11 min Scan# 1534

Delta R.T. -0.01 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

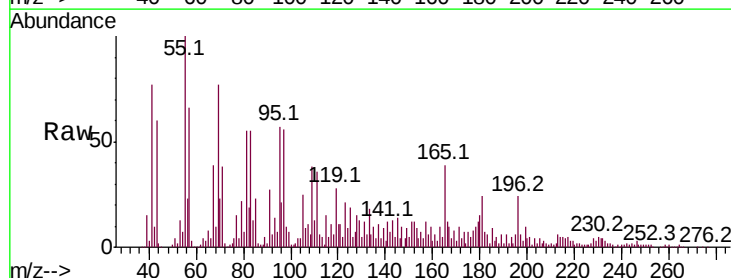
Tgt Ion:200 Resp: 5518

Ion Ratio Lower Upper

200 100

173 188.4 6.6 46.6#

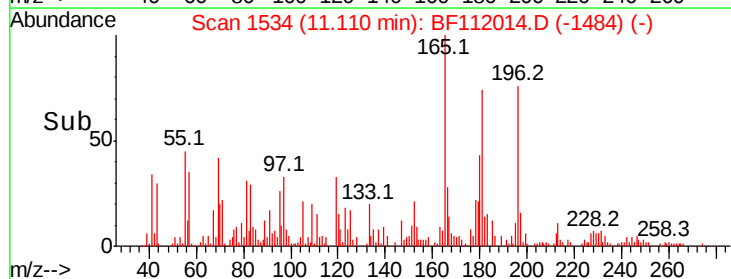
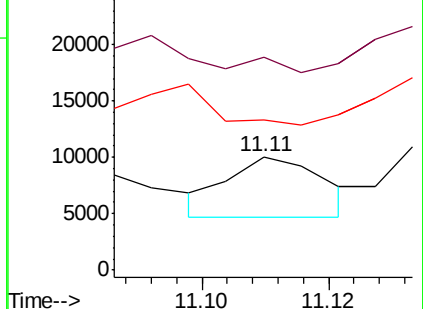
215 132.7 28.9 68.9#

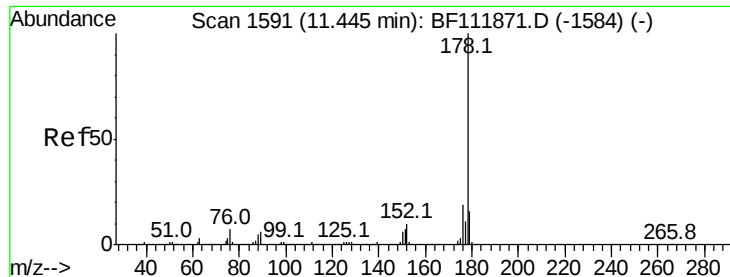


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#71

Phenanthrene

Concen: 27.384 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampled :

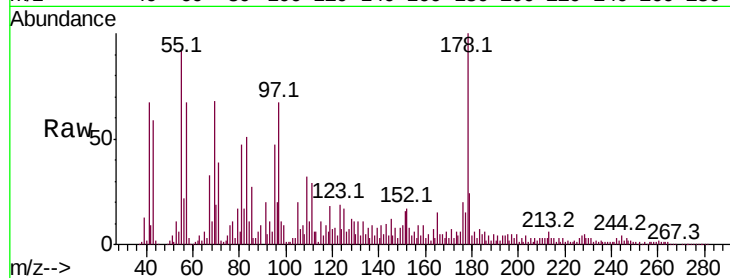
Tot Ion:178 Resp: 310778

Ion Ratio Lower Upper

178 100

176 20.4 15.6 23.4

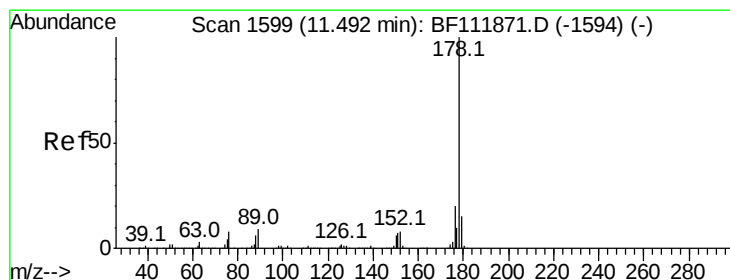
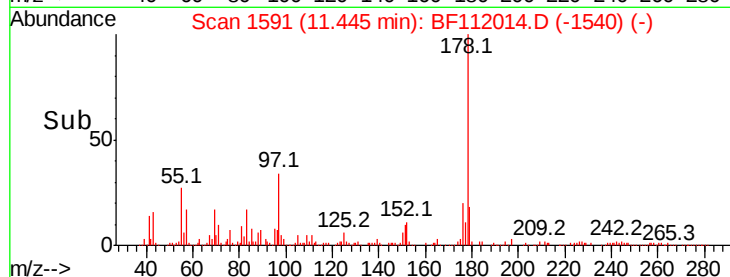
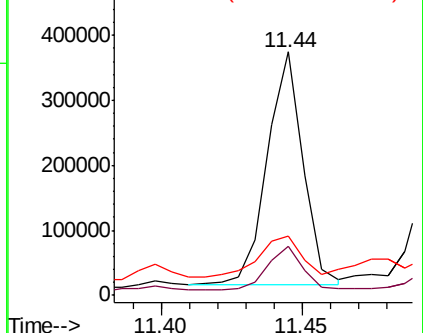
179 24.4 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 13.876 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

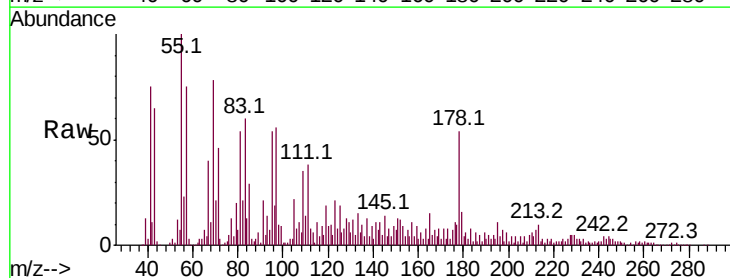
Tgt Ion:178 Resp: 159857

Ion Ratio Lower Upper

178 100

176 21.1 15.7 23.5

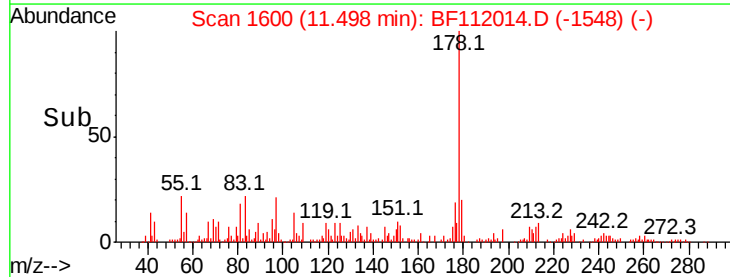
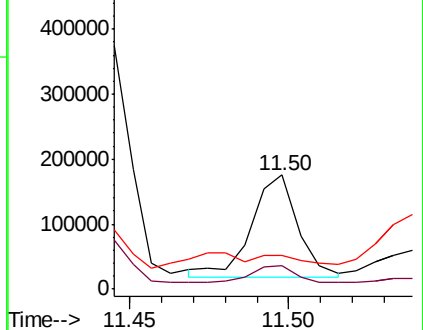
179 29.4 12.4 18.6#

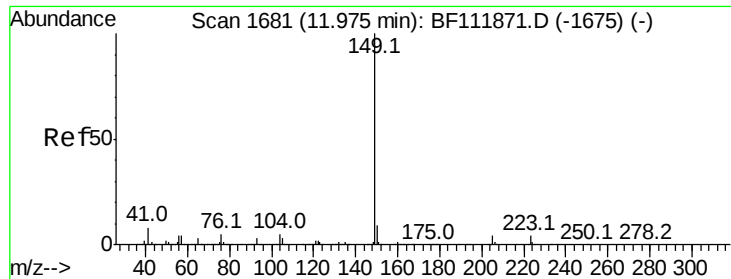


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 2.116 ng

RT: 11.98 min Scan# 1682

Delta R.T. 0.01 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

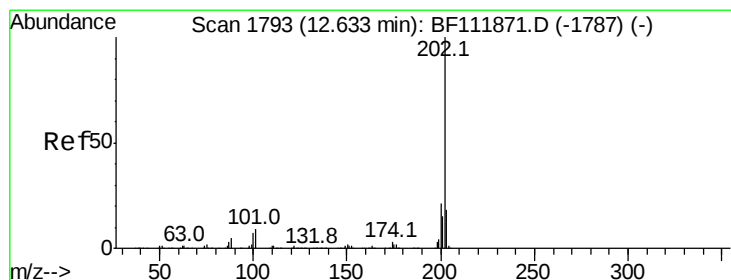
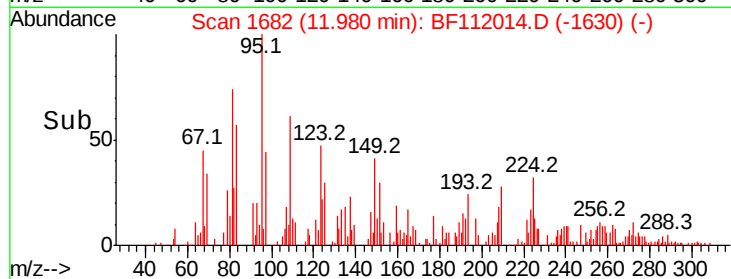
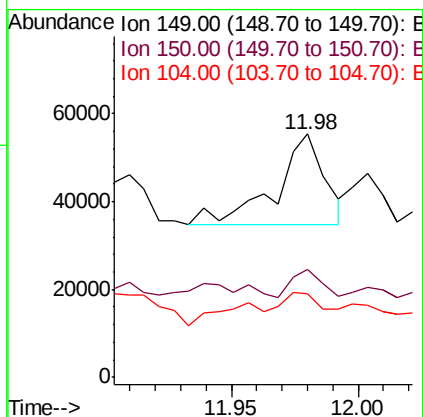
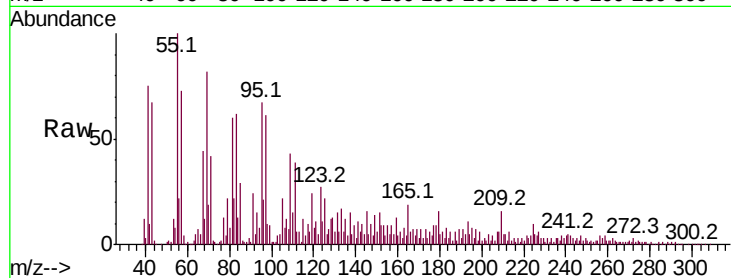
Tot Ion:149 Resp: 27540

Ion Ratio Lower Upper

149 100

150 44.4 7.5 11.3#

104 34.2 3.9 5.9#



#75

Fluoranthene

Concen: 50.465 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.04 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

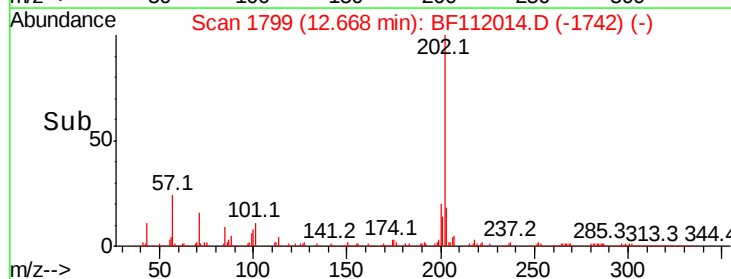
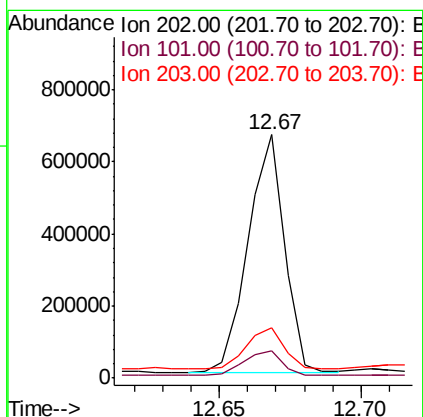
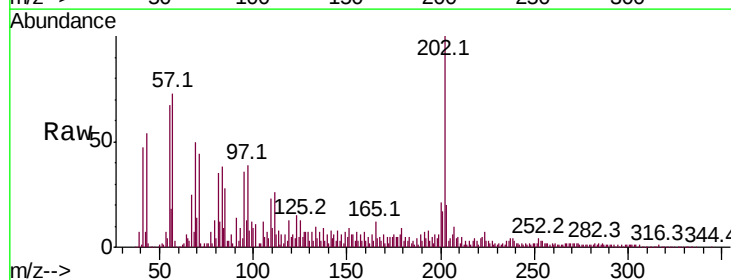
Tgt Ion:202 Resp: 587954

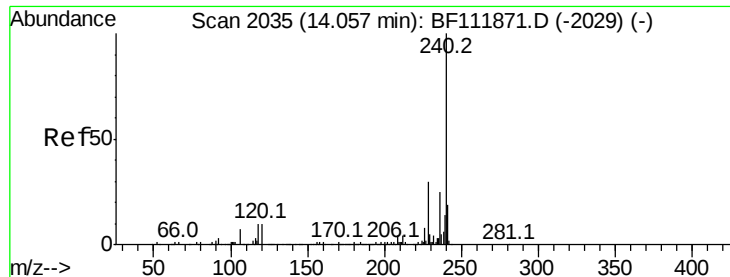
Ion Ratio Lower Upper

202 100

101 11.3 0.0 29.3

203 20.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.05 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

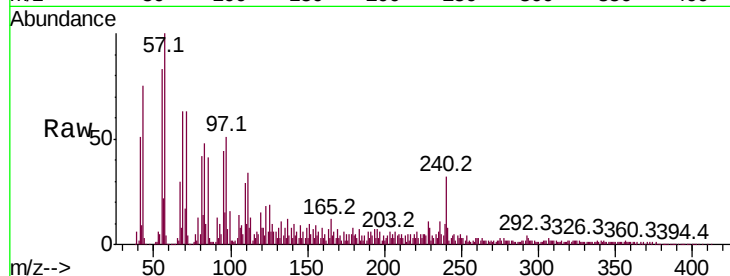
Tot Ion:240 Resp: 201378

Ion Ratio Lower Upper

240 100

120 25.8 8.2 12.2#

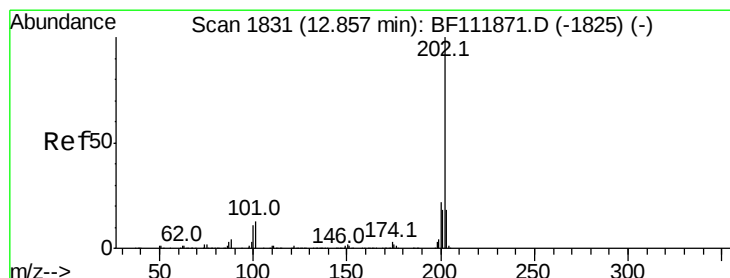
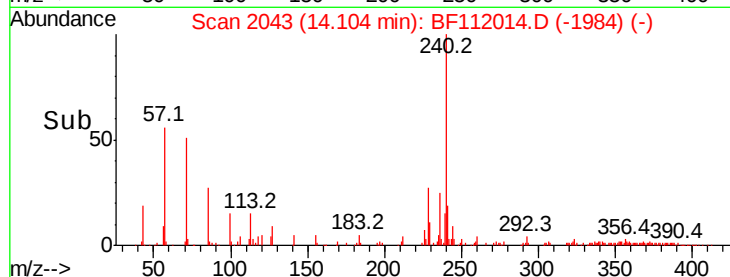
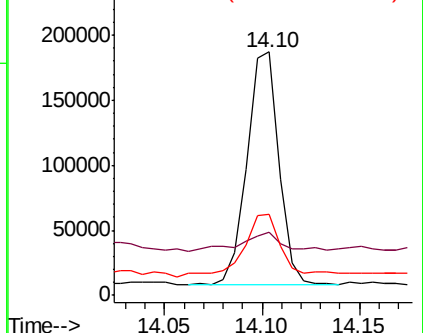
236 33.5 20.2 30.4#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 42.433 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.19 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

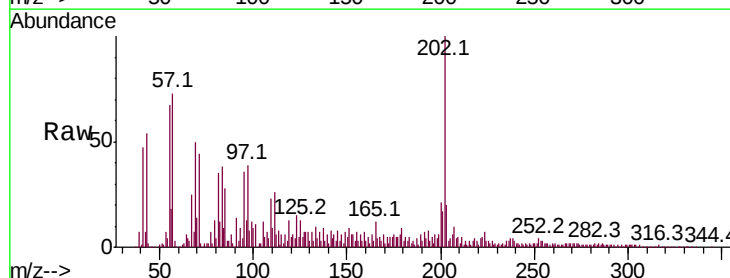
Tgt Ion:202 Resp: 587954

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

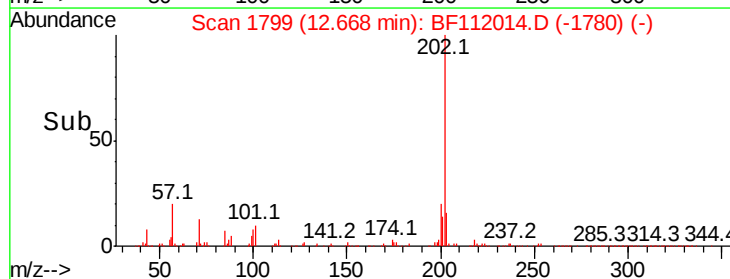
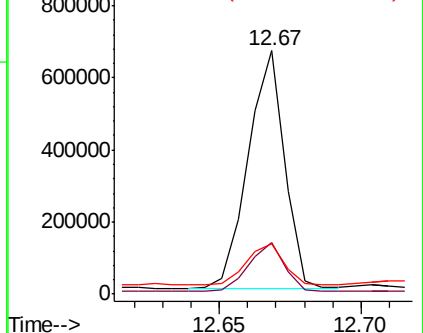
203 20.4 14.6 21.8

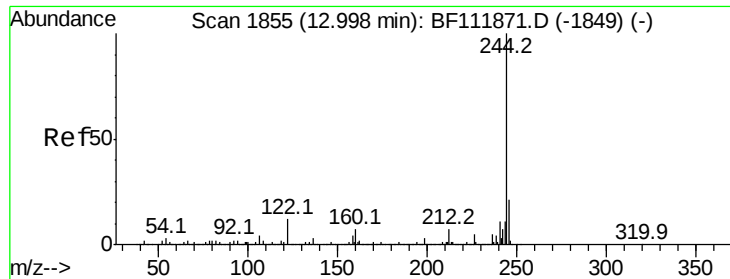


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.279 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.03 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

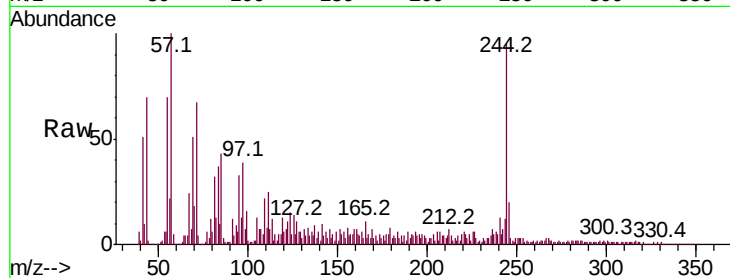
Tot Ion:244 Resp: 671308

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

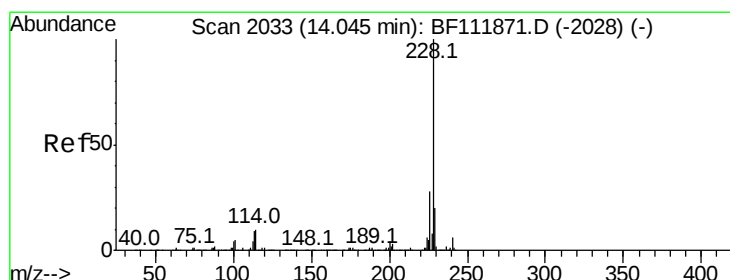
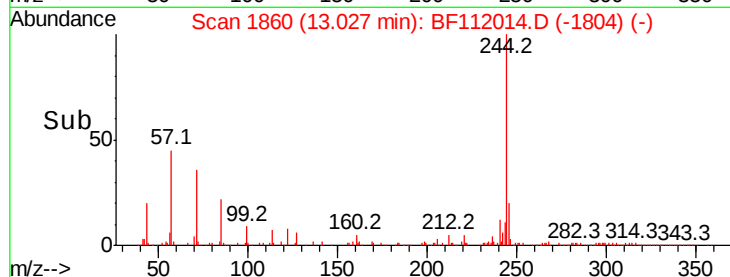
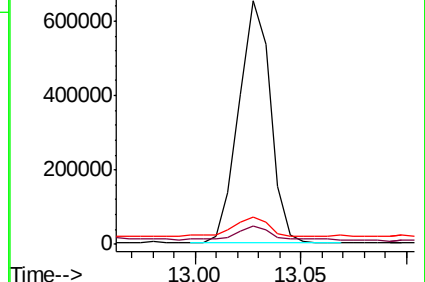
122 11.3 9.5 14.3



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: 15.901 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.05 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

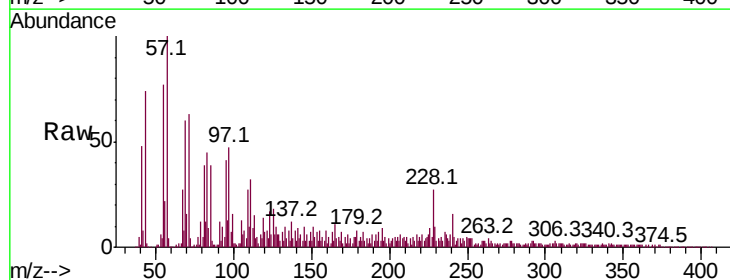
Tgt Ion:228 Resp: 184288

Ion Ratio Lower Upper

228 100

226 35.0 22.2 33.2#

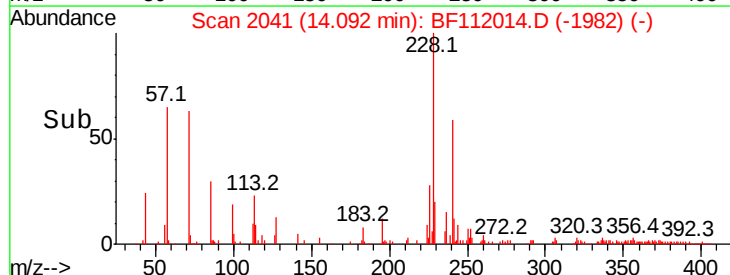
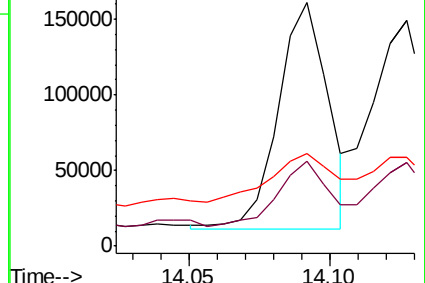
229 37.9 16.2 24.2#

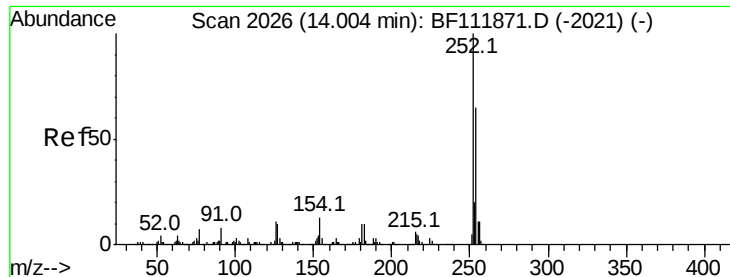


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

3,3'-Dichlorobenzidine

Concen: 2.441 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

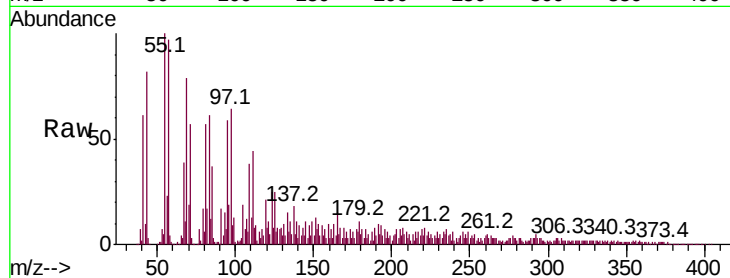
Tot Ion:252 Resp: 10446

Ion Ratio Lower Upper

252 100

254 53.4 52.1 78.1

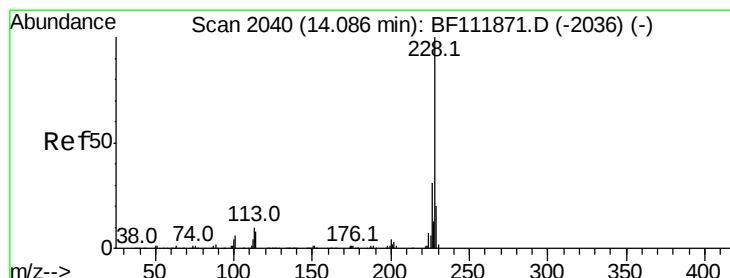
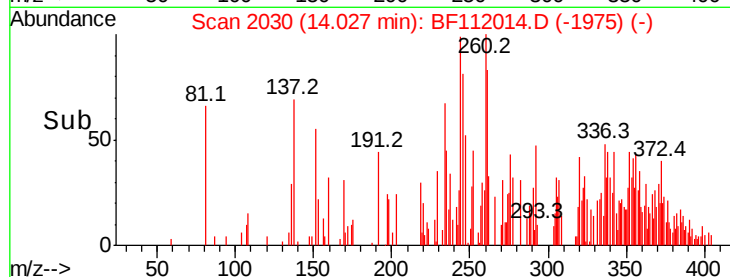
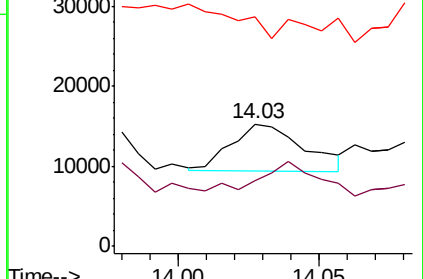
126 187.4 8.6 12.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 15.908 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.04 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

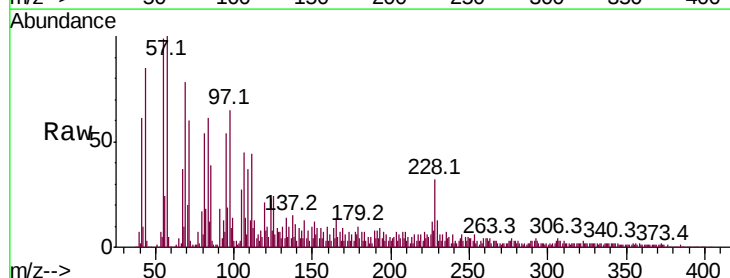
Tgt Ion:228 Resp: 175790

Ion Ratio Lower Upper

228 100

226 37.2 24.6 37.0#

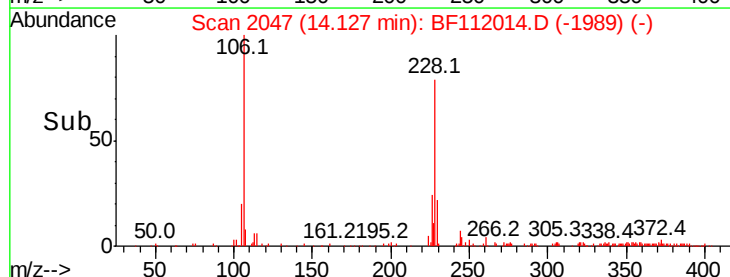
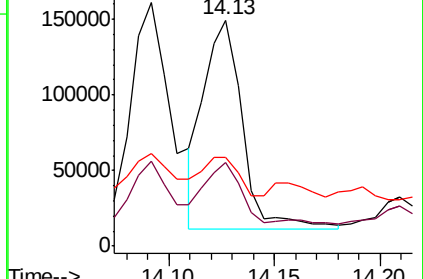
229 39.3 15.7 23.5#

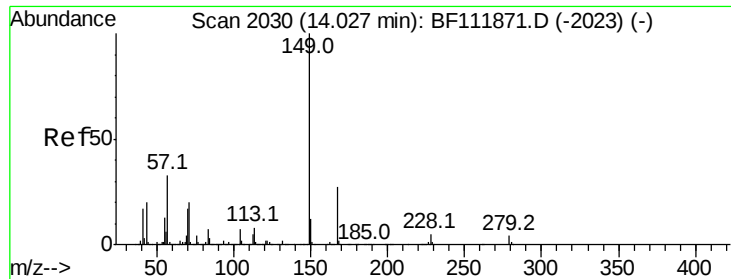


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 33.505 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.03 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

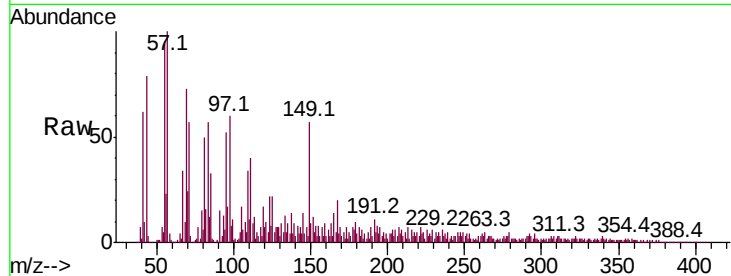
Tot Ion:149 Resp: 257755

Ion Ratio Lower Upper

149 100

167 34.4 21.5 32.3#

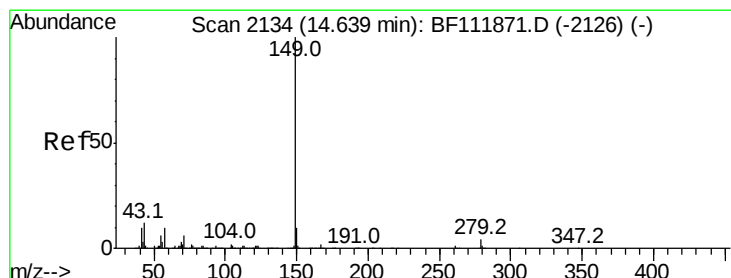
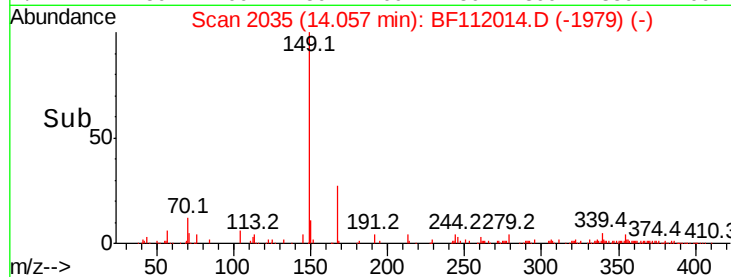
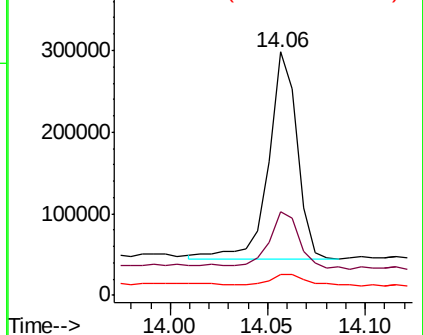
279 8.5 3.0 4.6#



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



#85

Di-n-octyl phthalate

Concen: 2.034 ng

RT: 14.71 min Scan# 2146

Delta R.T. 0.07 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

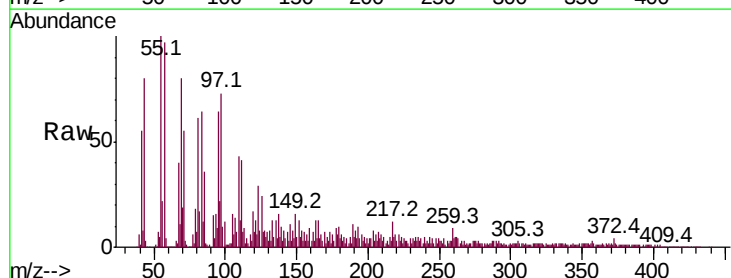
Tgt Ion:149 Resp: 22389

Ion Ratio Lower Upper

149 100

167 30.5 1.3 1.9#

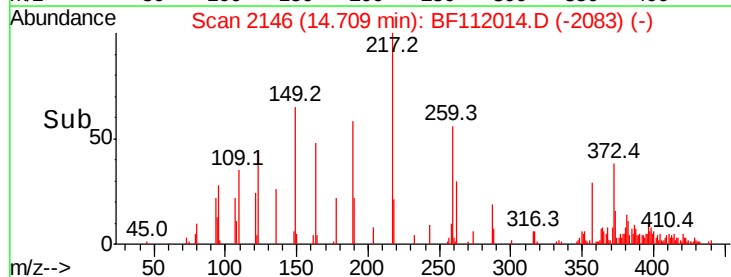
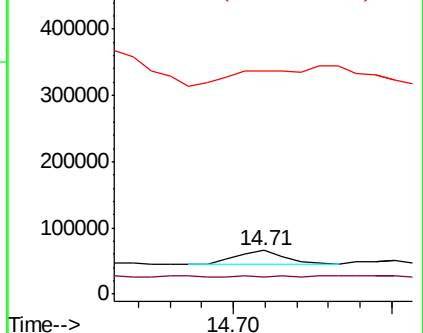
43 623.6 9.1 13.7#

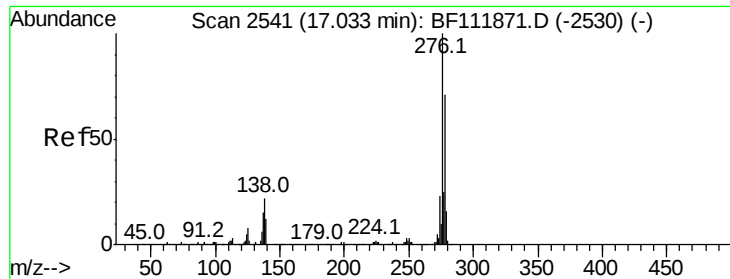


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.173 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.05 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

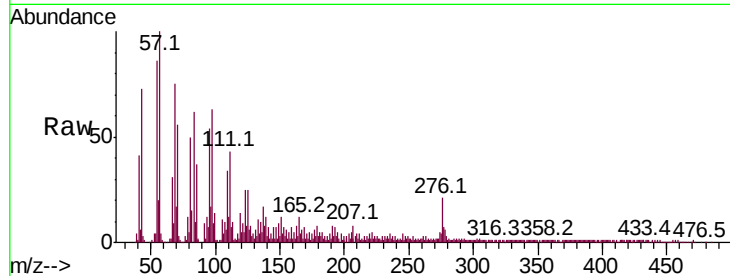
Tot Ion:276 Resp: 41677

Ion Ratio Lower Upper

276 100

138 23.4 18.1 27.1

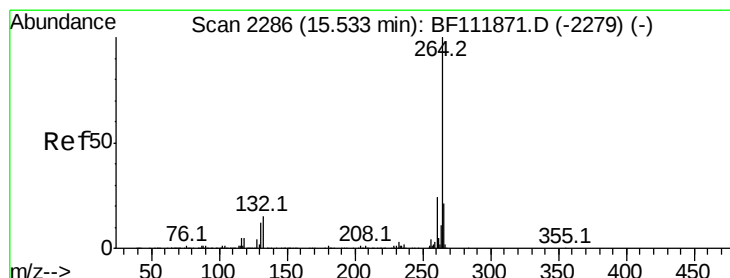
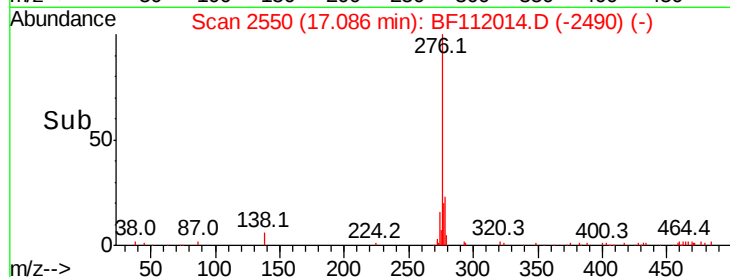
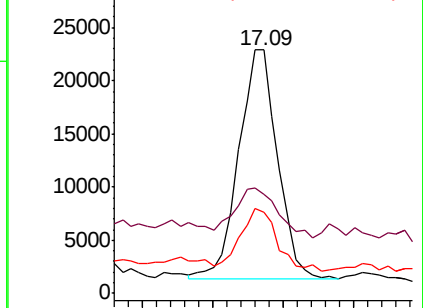
277 26.4 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.60 min Scan# 2297

Delta R.T. 0.06 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

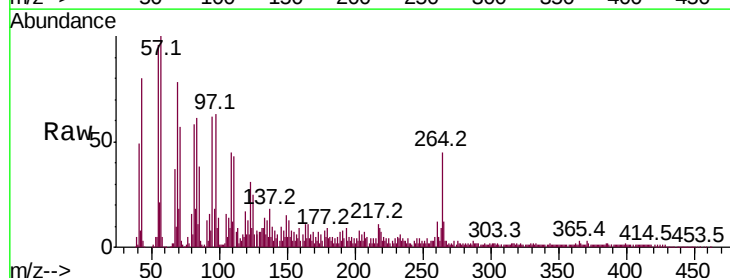
Tgt Ion:264 Resp: 160583

Ion Ratio Lower Upper

264 100

260 25.9 19.2 28.8

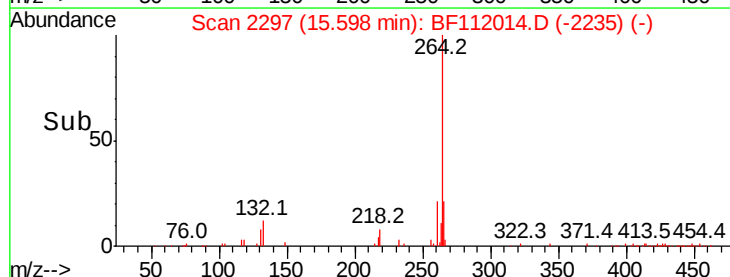
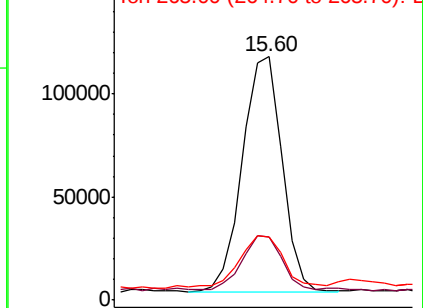
265 25.9 17.1 25.7#

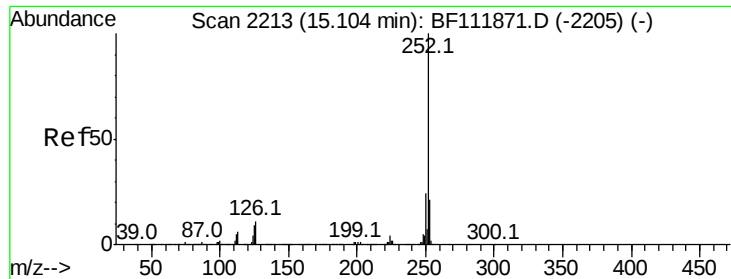


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

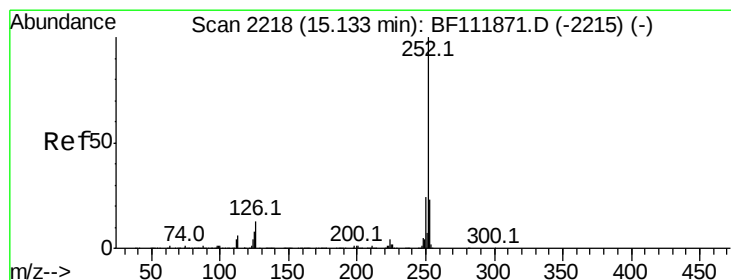
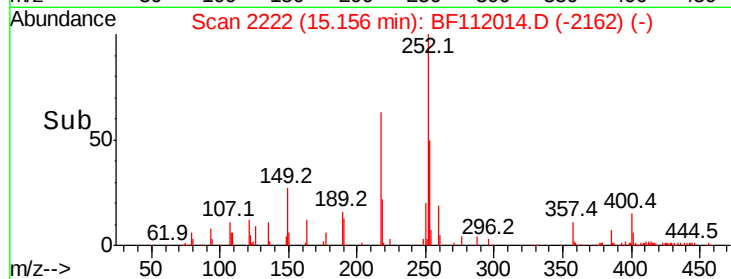
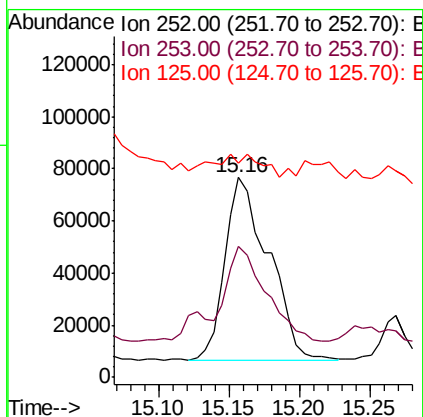
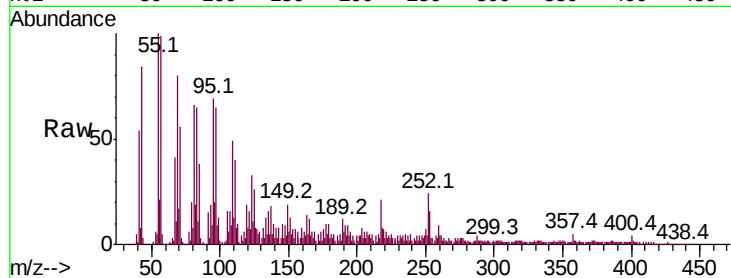




#88
Benzo(b)fluoranthene
Concen: 15.824 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.05 min
Lab File: BF112014.D
Acq: 11 Jan 2019 14:46

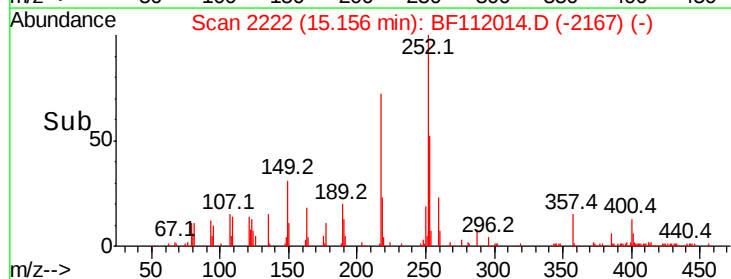
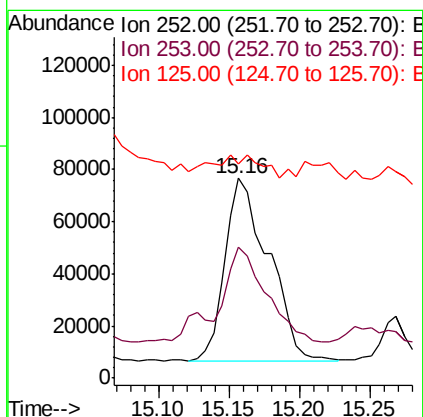
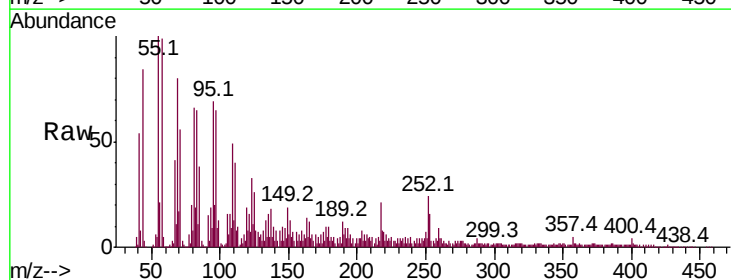
Instrument :
BNA_F
ClientSampleId :

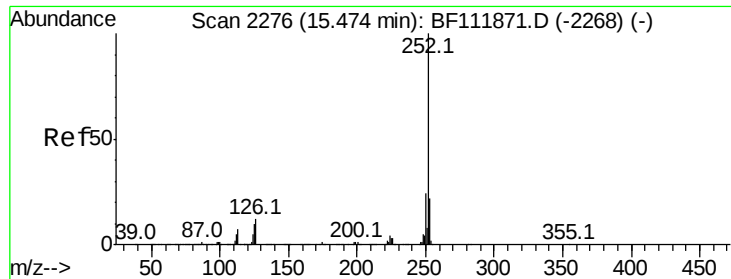
Tot Ion:252 Resp: 152001
Ion Ratio Lower Upper
252 100
253 65.3 17.0 25.6#
125 107.3 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 16.834 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.02 min
Lab File: BF112014.D
Acq: 11 Jan 2019 14:46

Tgt Ion:252 Resp: 152001
Ion Ratio Lower Upper
252 100
253 65.3 17.8 26.6#
125 107.3 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 11.078 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.05 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

Instrument :

BNA_F

ClientSampleId :

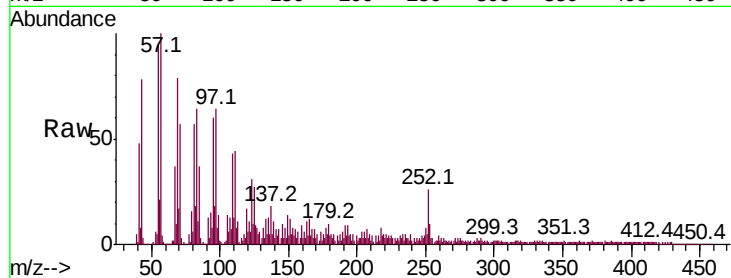
Tot Ion:252 Resp: 93571

Ion Ratio Lower Upper

252 100

253 39.7 17.4 26.2#

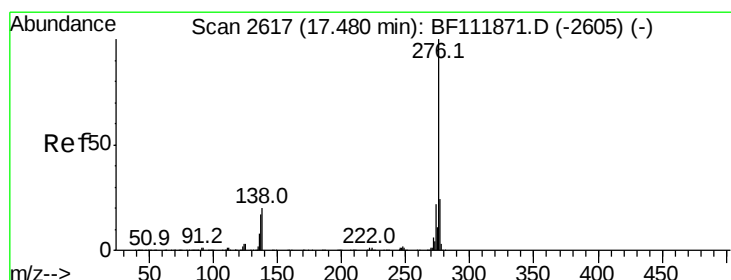
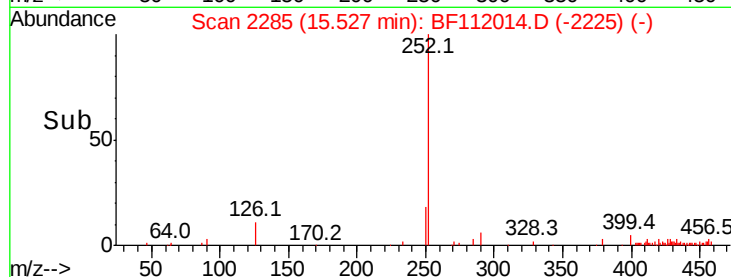
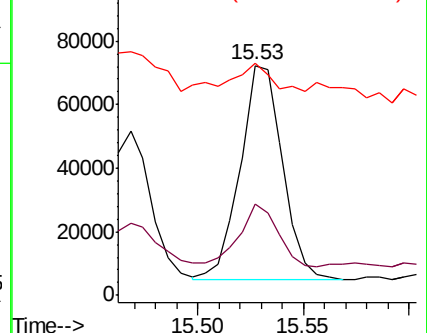
125 101.1 7.9 11.9#



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



#92

Benzo(g,h,i)perylene

Concen: 6.522 ng

RT: 17.53 min Scan# 2626

Delta R.T. 0.05 min

Lab File: BF112014.D

Acq: 11 Jan 2019 14:46

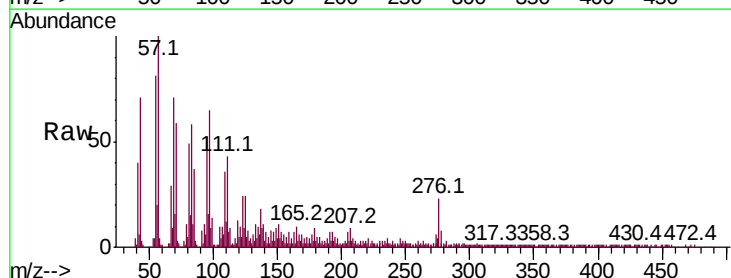
Tgt Ion:276 Resp: 43336

Ion Ratio Lower Upper

276 100

277 34.6 19.0 28.6#

138 37.9 16.2 24.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

