

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104578.D
 Acq On : 17 Apr 2018 22:49
 Operator : JU/SJ
 Sample : J2387-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:53:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	152485	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	591934	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	236171	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	364028	20.00	ng	0.00
75) Chrysene-d12	13.99	240	281535	20.00	ng	0.00
86) Perylene-d12	15.45	264	221064	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	289107	28.99	ng	0.00
7) Phenol-d6	6.44	99	775402	63.28	ng	0.00
23) Nitrobenzene-d5	7.37	82	609363	67.22	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	48595	19.84	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	790684	52.89	ng	0.00
78) Terphenyl-d14	12.92	244	691904	56.03	ng	0.00

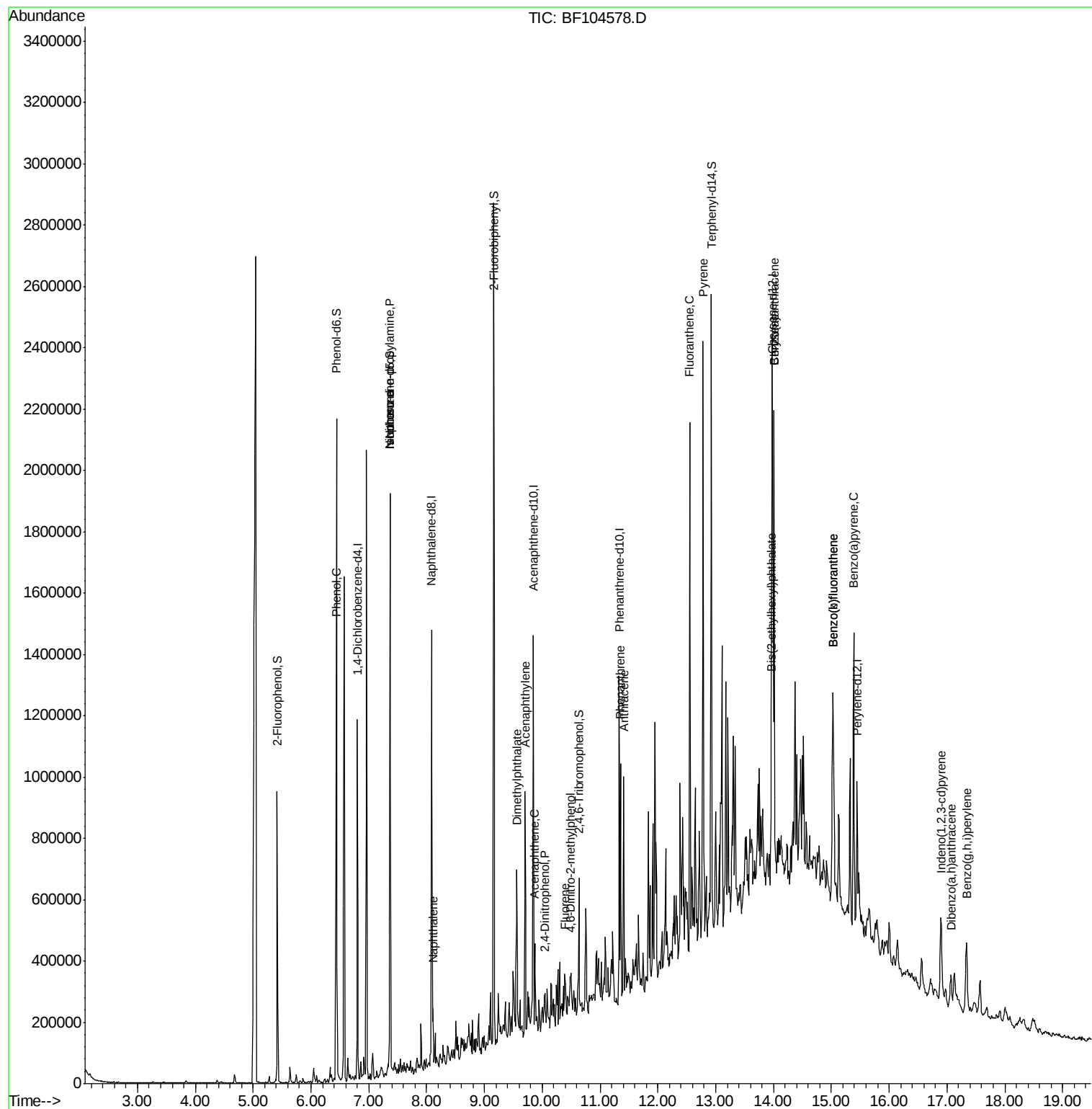
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	2188	Below Cal		# 45
10) Phenol	6.45	94	49919	3.840	ng	98
19) n-Nitroso-di-n-propylamine	7.37	70	85368	10.662	ng	# 74
25) Isophorone	7.37	82	609363	31.788	ng	# 64
31) Naphthalene	8.11	128	64733	2.196	ng	98
48) Acenaphthylene	9.70	152	270270	10.992	ng	100
49) Dimethylphthalate	9.56	163	113523	6.096	ng	# 99
51) Acenaphthene	9.87	154	47790	3.186	ng	99
53) 2,4-Dinitrophenol	10.03	184	110	5.241	ng	# 1
57) Fluorene	10.39	166	45153	2.967	ng	95
64) 4,6-Dinitro-2-methylphenol	10.48	198	111	7.400	ng	# 1
70) Phenanthrene	11.36	178	243242	11.999	ng	100
71) Anthracene	11.41	178	272237	13.211	ng	99
74) Fluoranthene	12.55	202	590234	27.866	ng	99
76) Benzidine	12.70	184	612	Below Cal		# 1
77) Pyrene	12.78	202	847143	40.595	ng	99
80) Benzo(a)anthracene	14.01	228	536941	31.924	ng	94
82) Chrysene	14.01	228	536941	31.080	ng	98
83) Bis(2-ethylhexyl)phthalate	13.96	149	36925	2.920	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	172879	11.780	ng	95
87) Benzo(b)fluoranthene	15.03	252	575228	41.199	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	575228	43.639	ng	# 98
89) Benzo(a)pyrene	15.39	252	465934	37.297	ng	# 95
90) Dibenzo(a,h)anthracene	17.07	278	65951	6.428	ng	94
91) Benzo(g,h,i)perylene	17.34	276	179649	18.073	ng	98

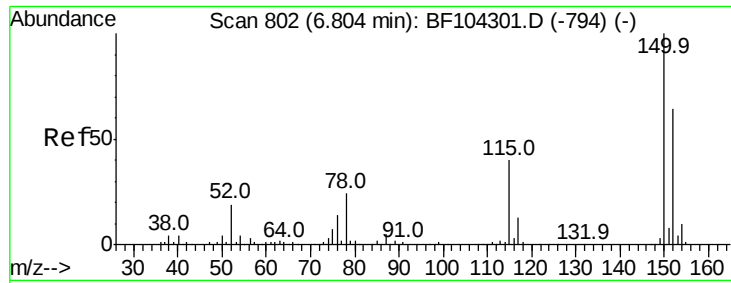
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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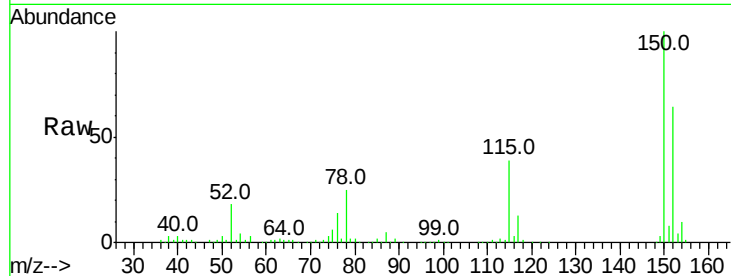


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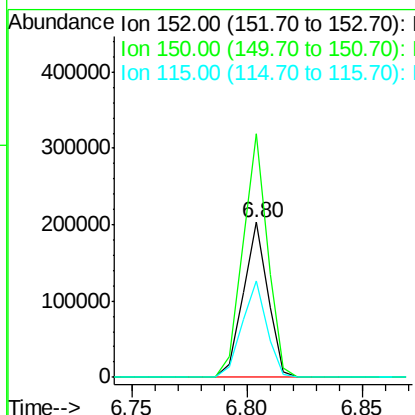
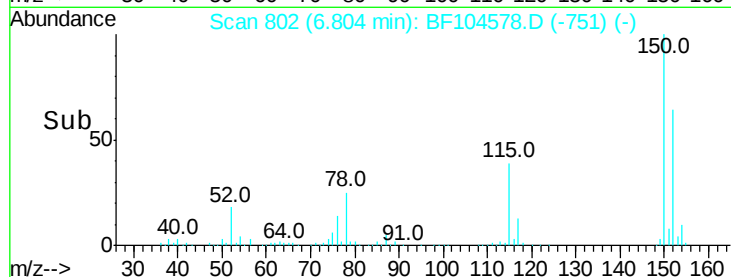
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 152485
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 61.9 50.1 75.1



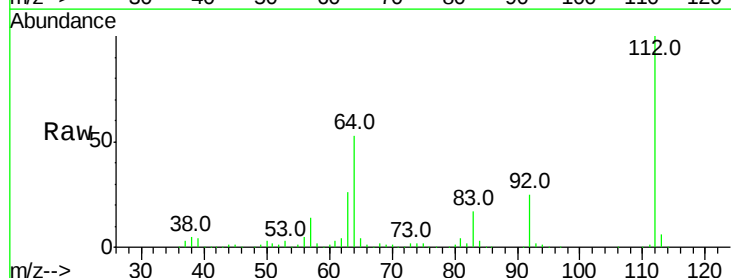
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



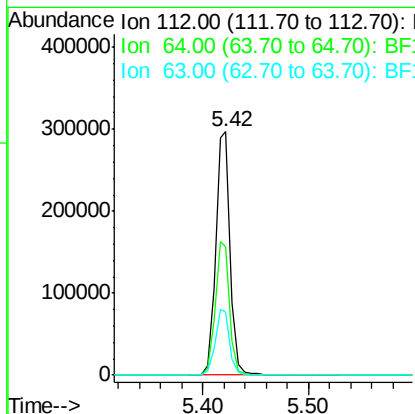
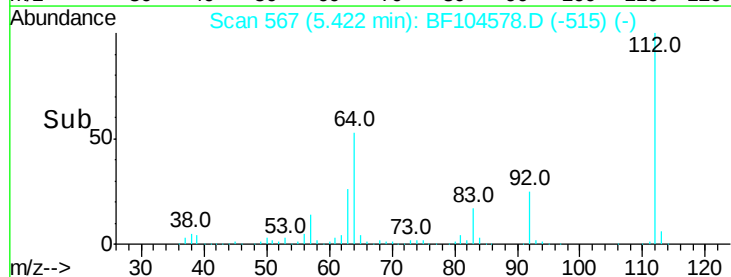
#5

2-Fluorophenol
Concen: 28.990 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Tgt Ion:112 Resp: 289107
Ion Ratio Lower Upper
112 100
64 52.5 47.9 71.9
63 26.0 23.7 35.5



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: 63.283 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampled :

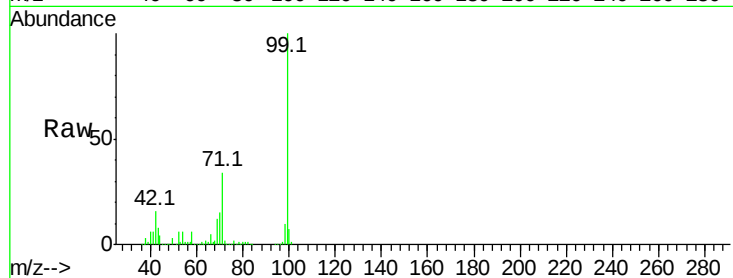
Tot Ion: 99 Resp: 775402

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

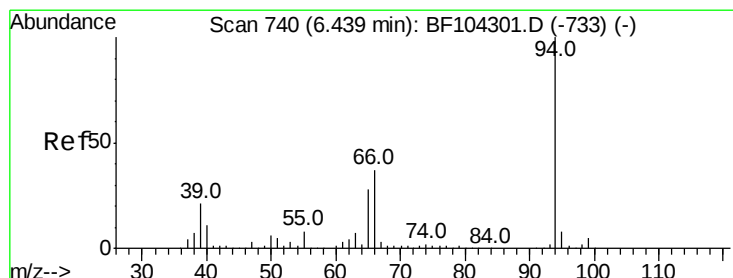
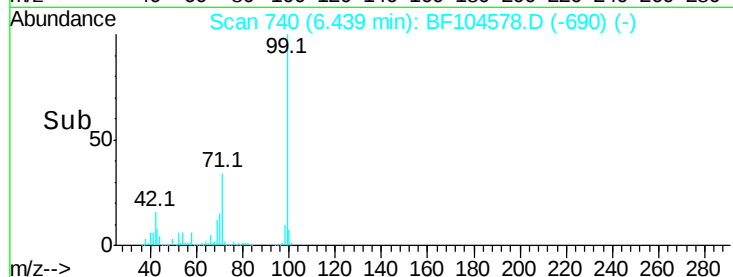
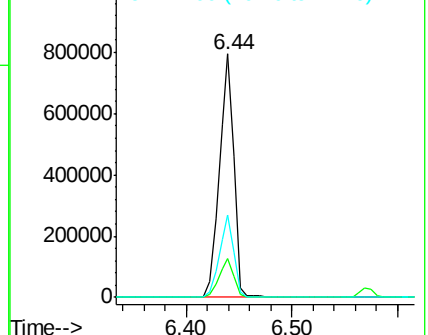
71 33.8 25.4 38.0



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: 3.840 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

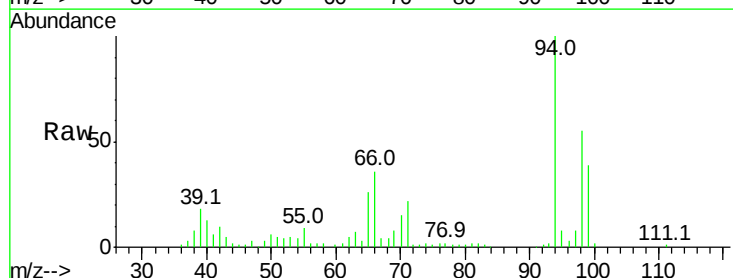
Tgt Ion: 94 Resp: 49919

Ion Ratio Lower Upper

94 100

65 25.7 7.9 47.9

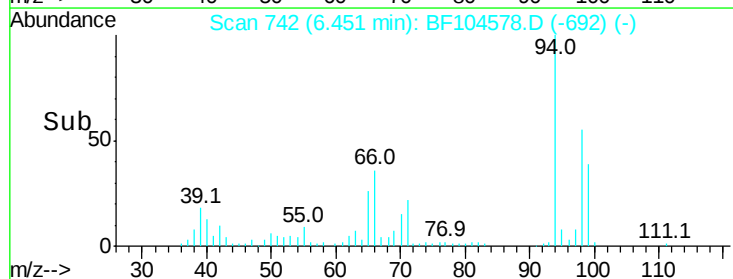
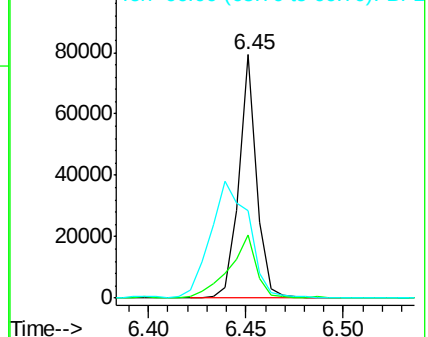
66 35.9 16.2 56.2



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

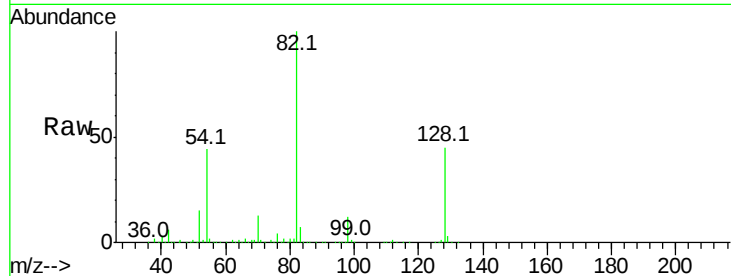




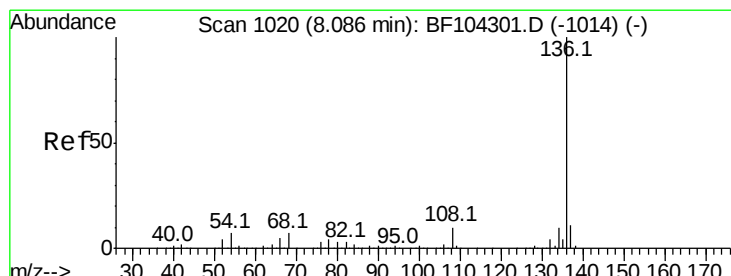
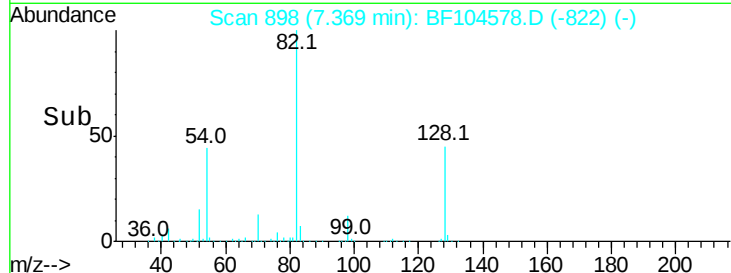
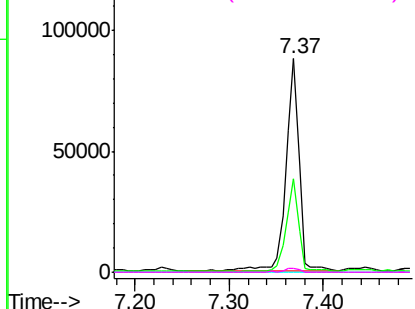
#19
n-Nitroso-di-n-propylamine
Concen: 10.662 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 85368
Ion Ratio Lower Upper
70 100
42 43.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#

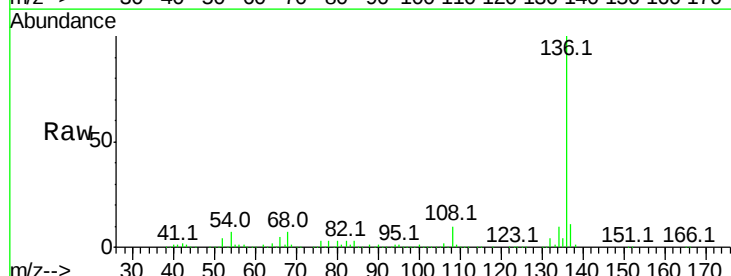


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

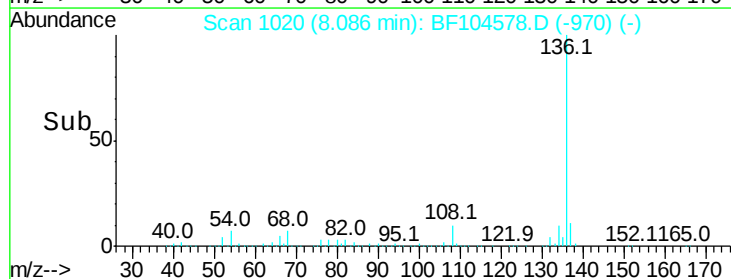
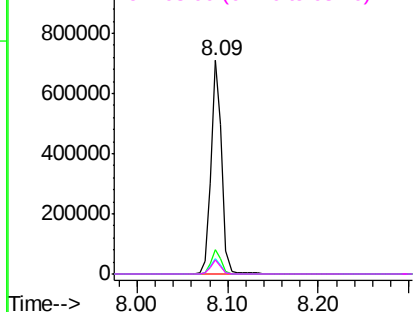


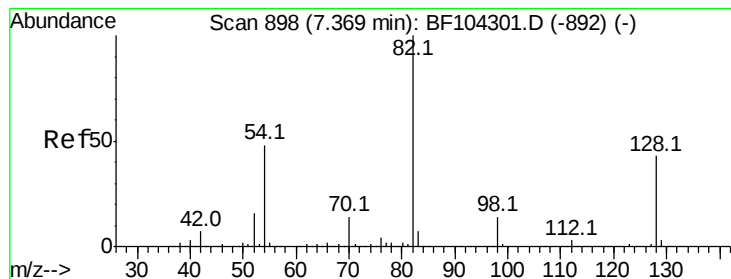
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Tgt Ion:136 Resp: 591934
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.2 6.6 9.8
68 6.7 5.0 7.4



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: 67.221 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampled :

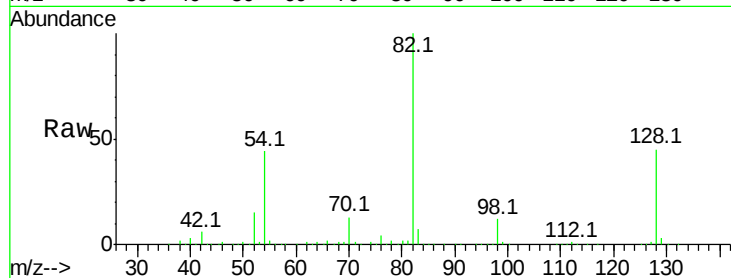
Tot Ion: 82 Resp: 609363

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

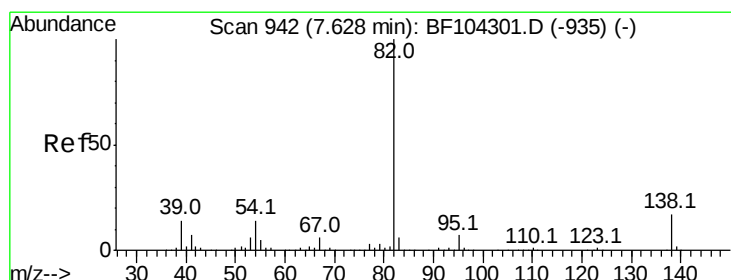
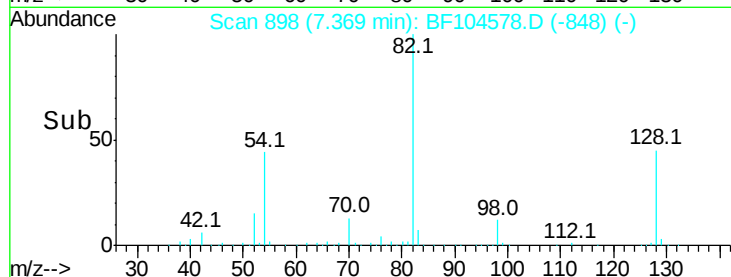
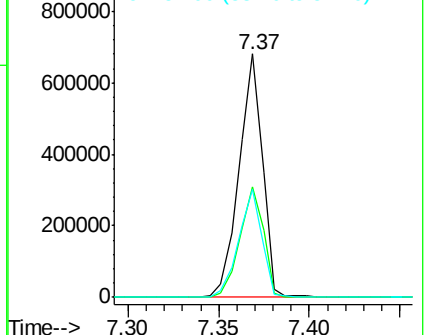
54 44.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 31.788 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

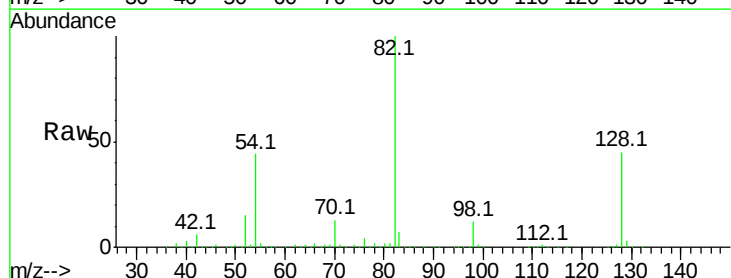
Tgt Ion: 82 Resp: 609363

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

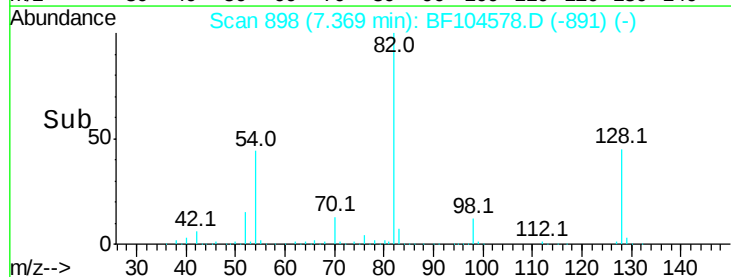
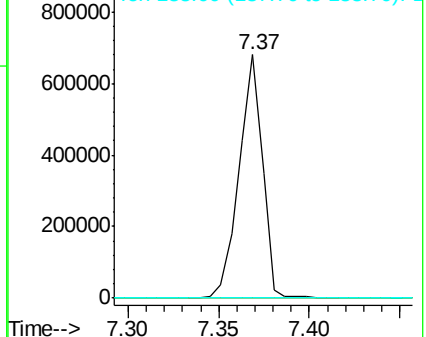
138 0.0 14.9 22.3#

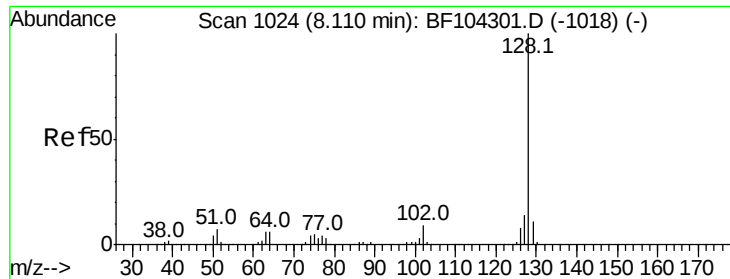


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

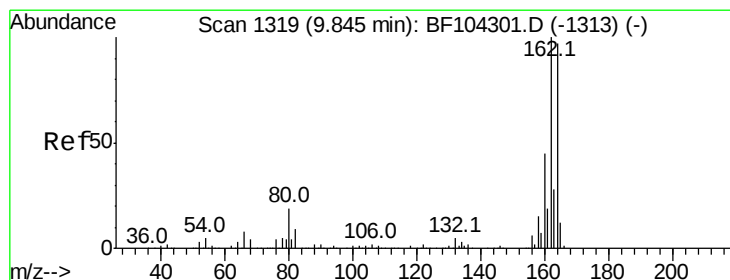
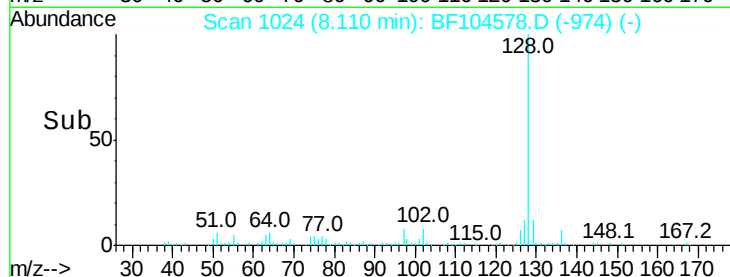
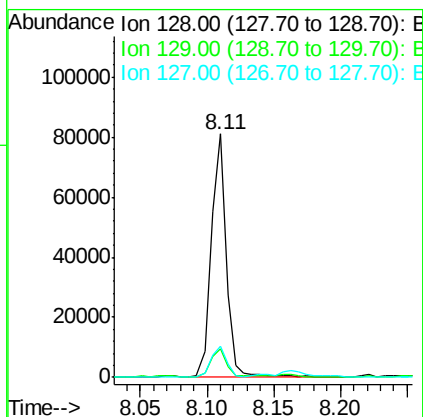
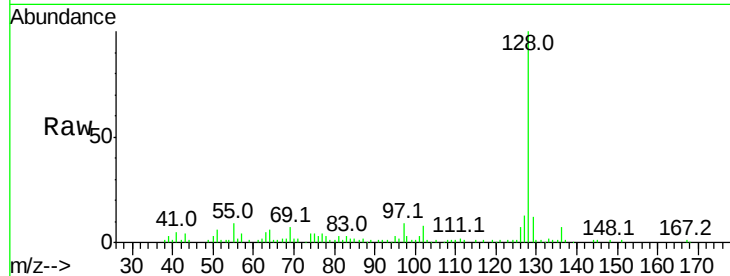




#31
Naphthalene
Concen: 2.196 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

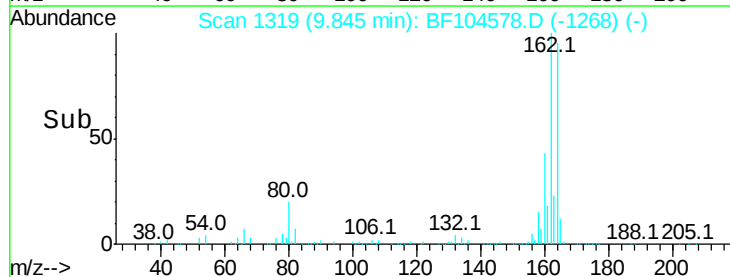
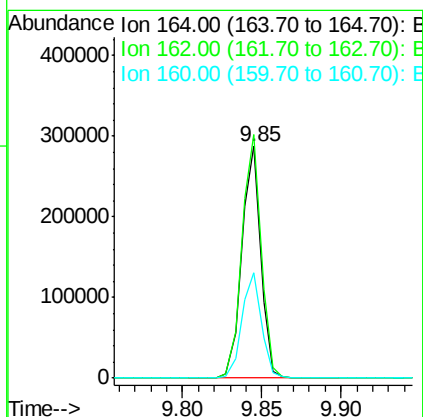
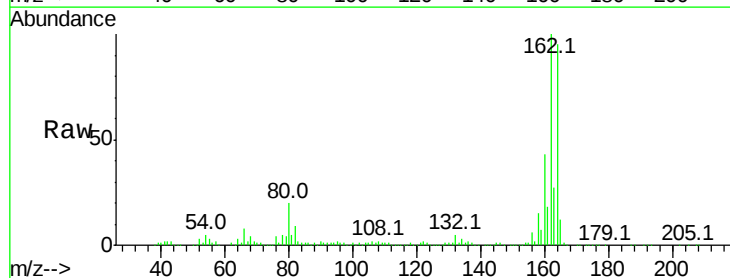
Instrument :
BNA_F
ClientSampled :

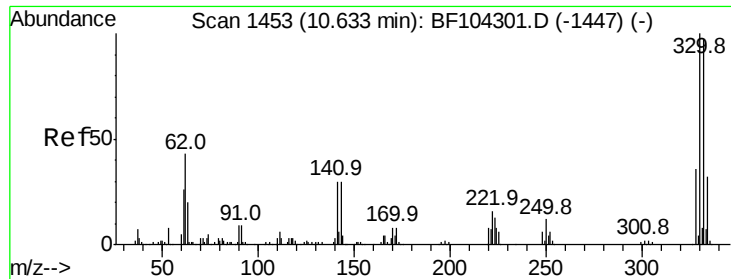
Tot Ion:128 Resp: 64733
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 12.7 10.9 16.3



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF104578.D
Acq: 17 Apr 2018 22:49

Tgt Ion:164 Resp: 236171
Ion Ratio Lower Upper
164 100
162 104.9 86.1 129.1
160 45.3 38.3 57.5

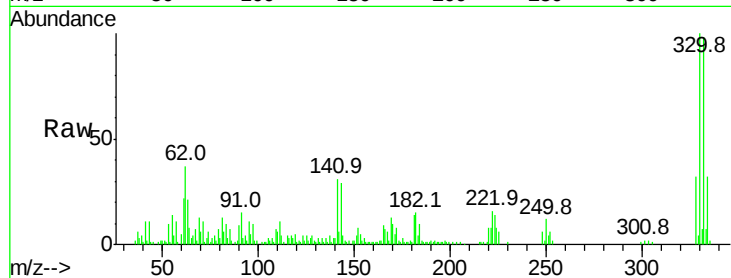




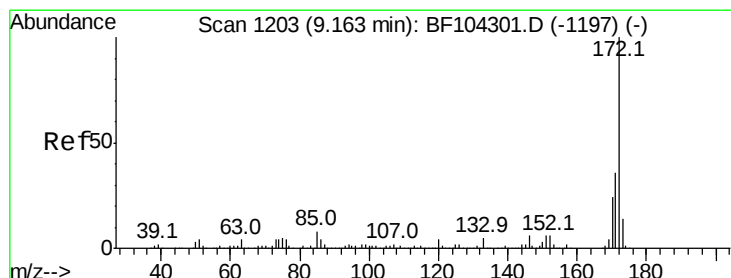
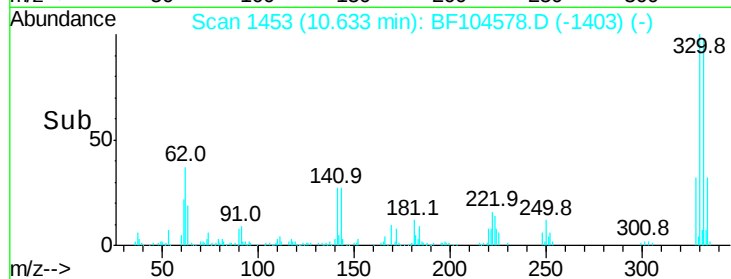
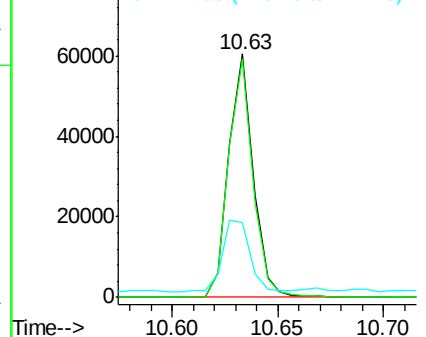
#41
 2,4,6-Tribromophenol
 Concen: 19.836 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	33.3	29.9	44.9

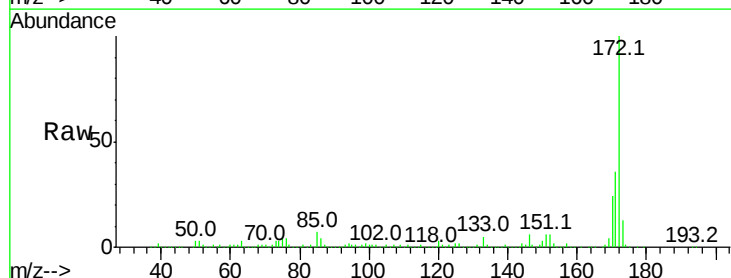


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

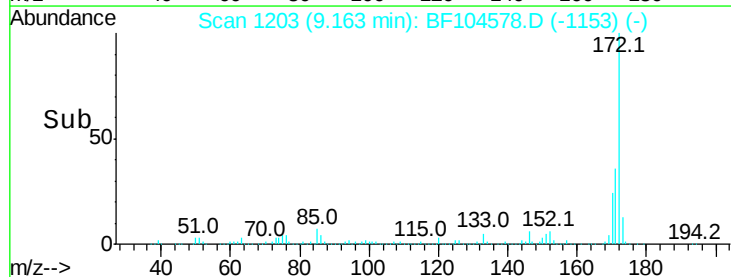
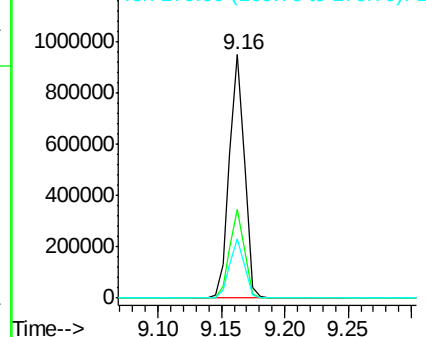


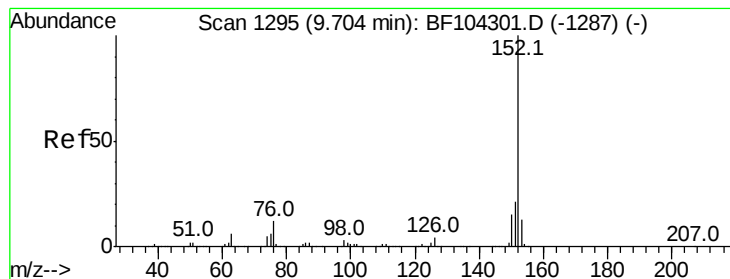
#44
 2-Fluorobiphenyl
 Concen: 52.889 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.4	19.6	29.4



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





#48

Acenaphthylene

Concen: 10.992 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

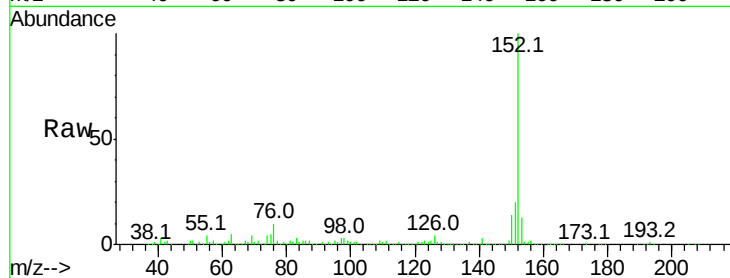
Tot Ion:152 Resp: 270270

Ion Ratio Lower Upper

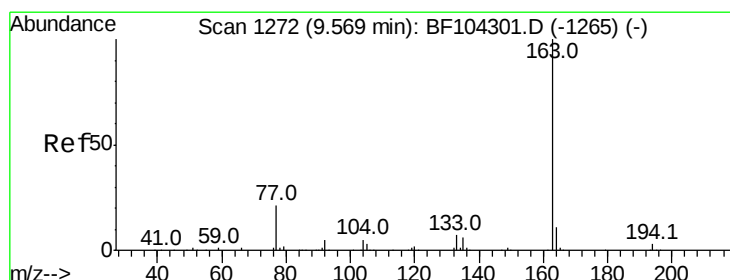
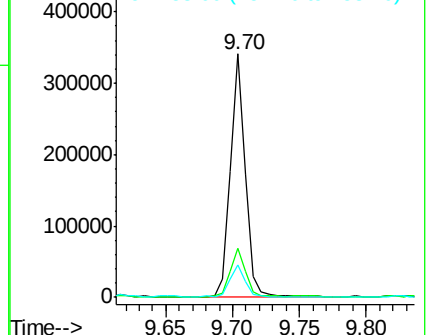
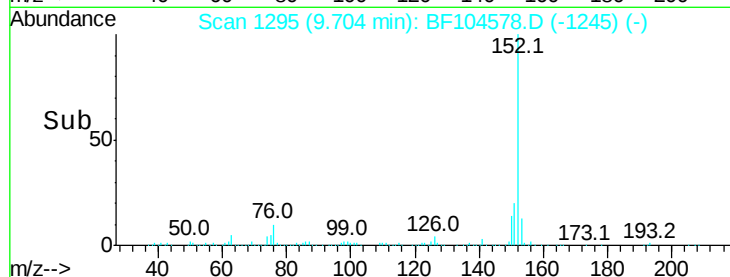
152 100

151 20.3 16.3 24.5

153 13.3 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 6.096 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

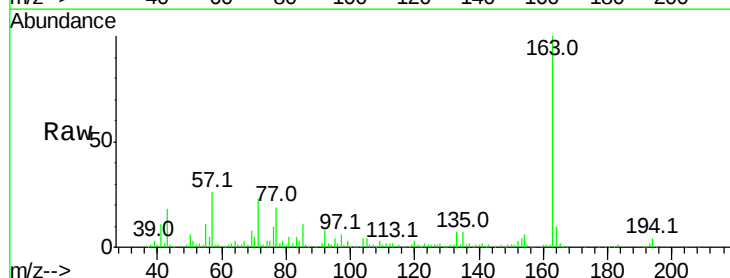
Tgt Ion:163 Resp: 113523

Ion Ratio Lower Upper

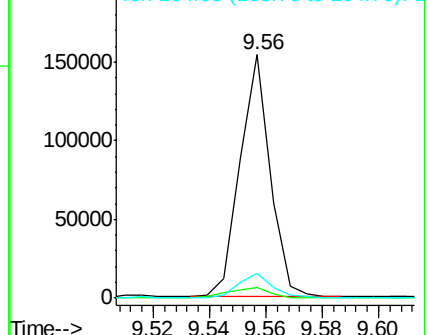
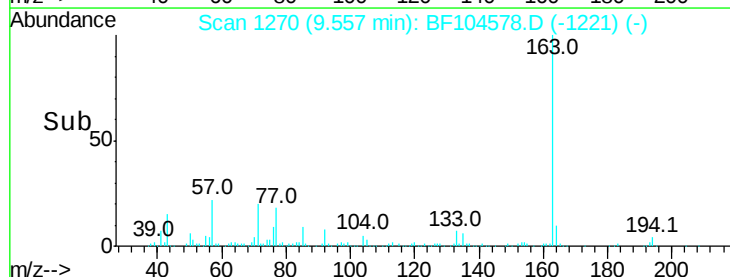
163 100

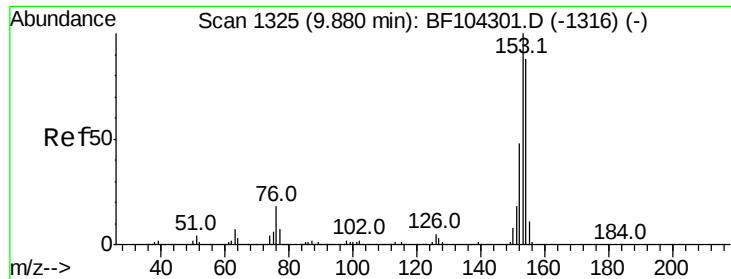
194 4.1 2.7 4.1#

164 10.2 8.2 12.2



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

Acenaphthene

Concen: 3.186 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

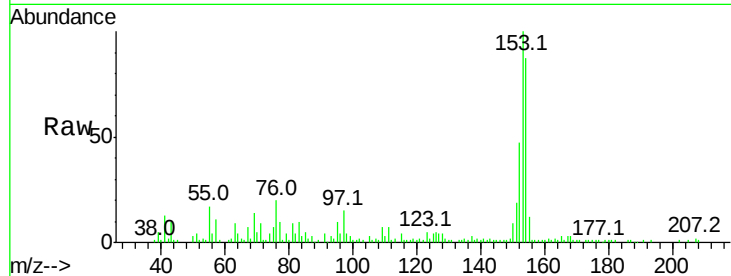
Tot Ion:154 Resp: 47790

Ion Ratio Lower Upper

154 100

153 115.5 91.2 136.8

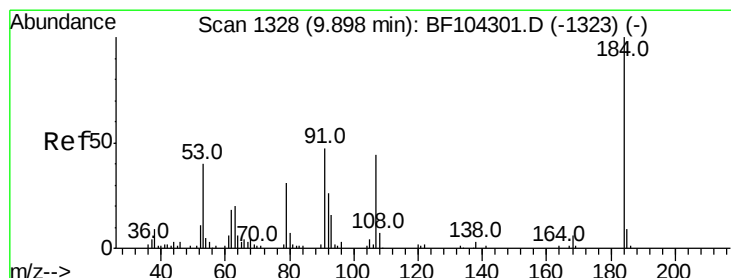
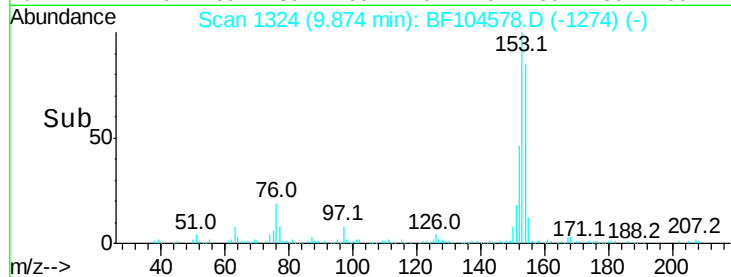
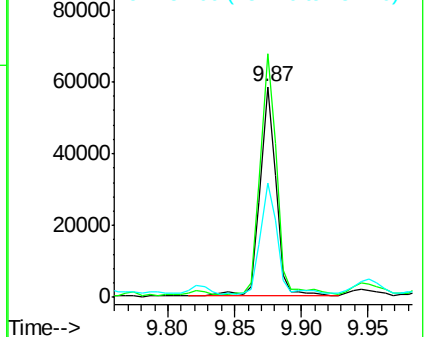
152 54.2 43.8 65.8



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

2,4-Dinitrophenol

Concen: 5.241 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.12 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

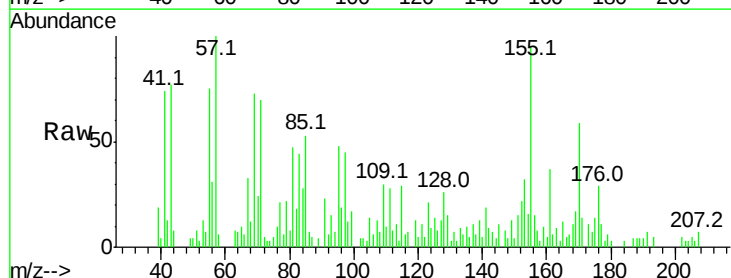
Tgt Ion:184 Resp: 110

Ion Ratio Lower Upper

184 100

63 321.2 54.2 81.2#

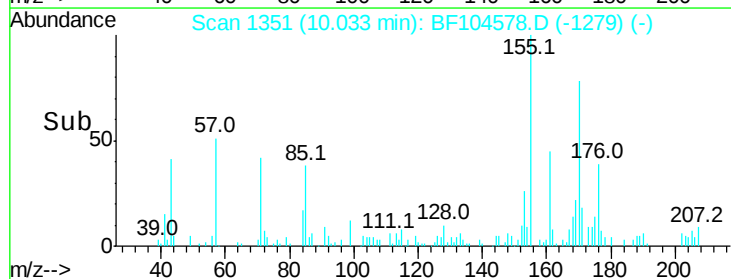
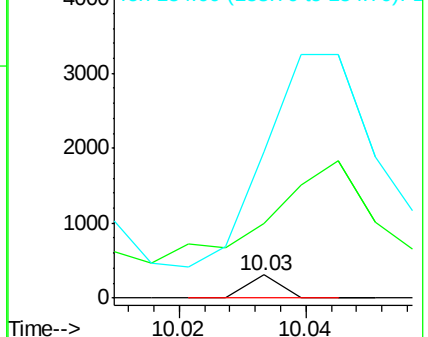
154 627.3 184.0 276.0#

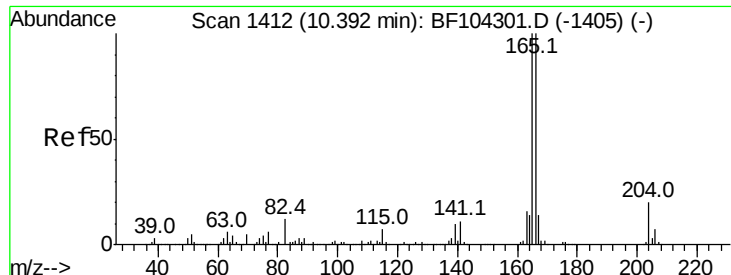


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

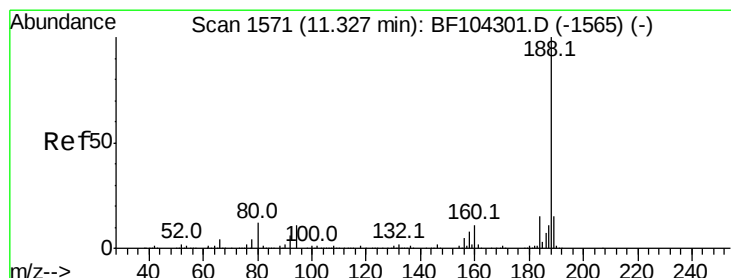
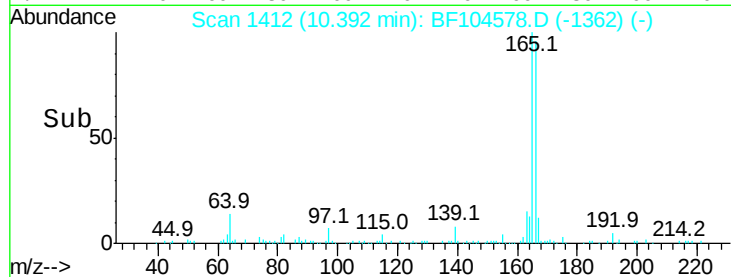
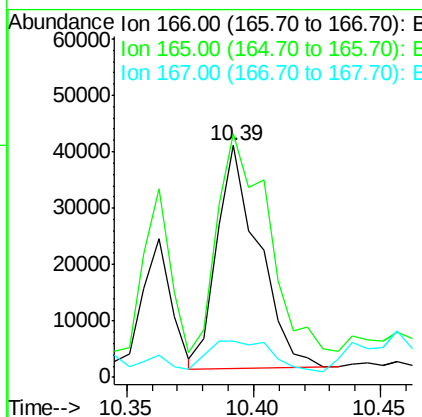
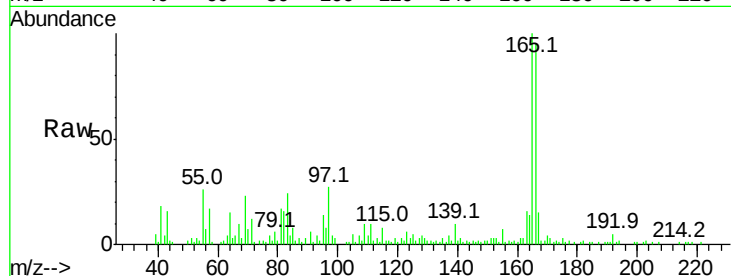




#57
Fluorene
 Concen: 2.967 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

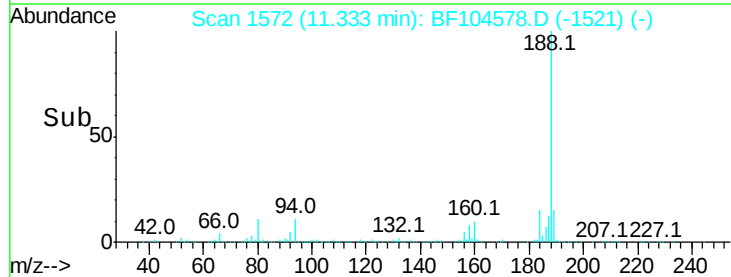
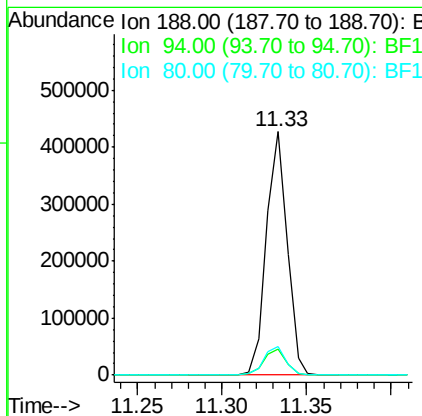
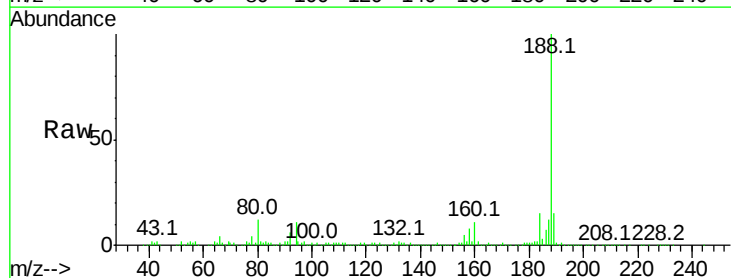
Instrument :
 BNA_F
 ClientSampled :

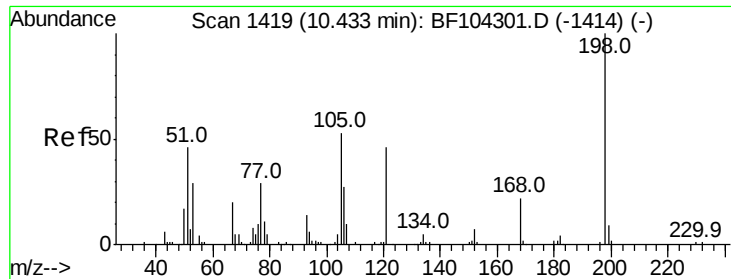
Tot Ion	166	Resp	45153
Ion Ratio	Lower	Upper	
166	100		
165	105.1	79.8	119.8
167	15.6	10.6	16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Tgt Ion	188	Resp	364028
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.5	12.7
80	11.5	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.400 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.03 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

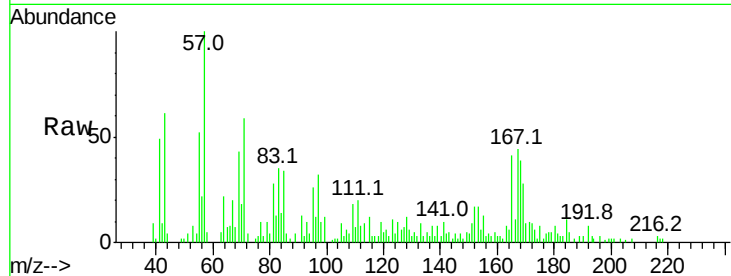
Tot Ion:198 Resp: 111

Ion Ratio Lower Upper

198 100

51 288.6 37.7 77.7#

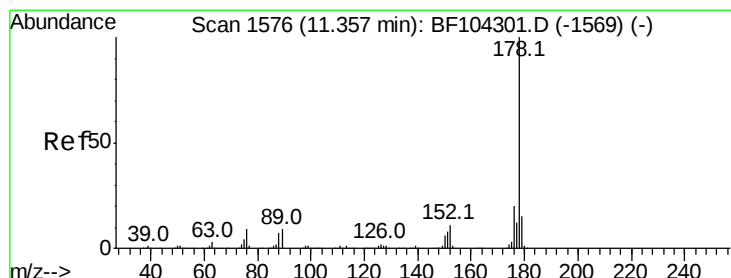
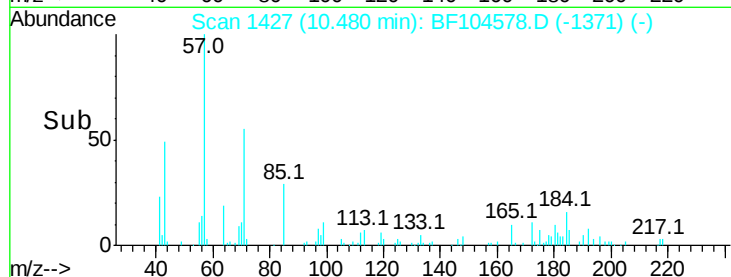
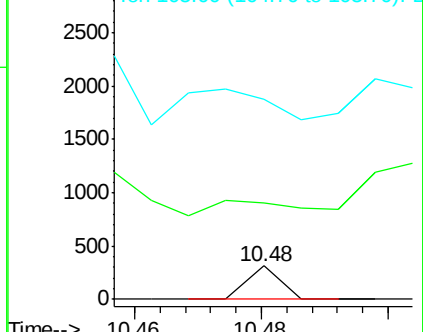
105 596.8 36.3 76.3#



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



#70

Phenanthrene

Concen: 11.999 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

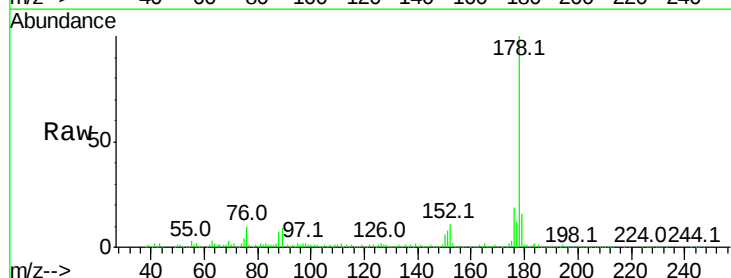
Tgt Ion:178 Resp: 243242

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

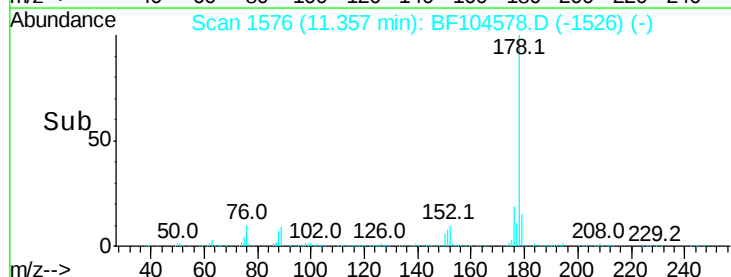
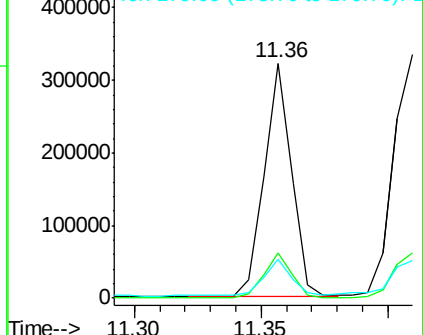
179 16.4 13.0 19.6

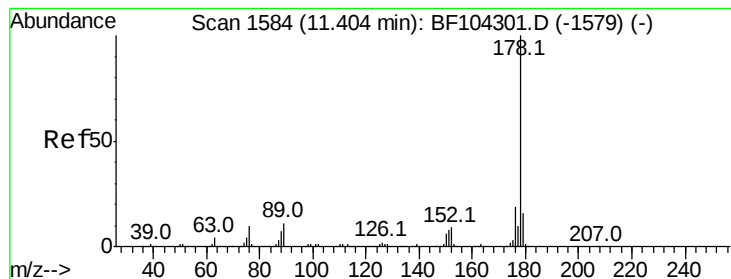


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 13.211 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

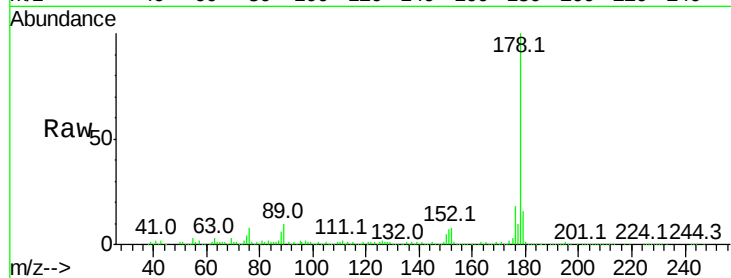
Tot Ion:178 Resp: 272237

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.7	12.6	19.0

178 100

176 18.4 15.4 23.2

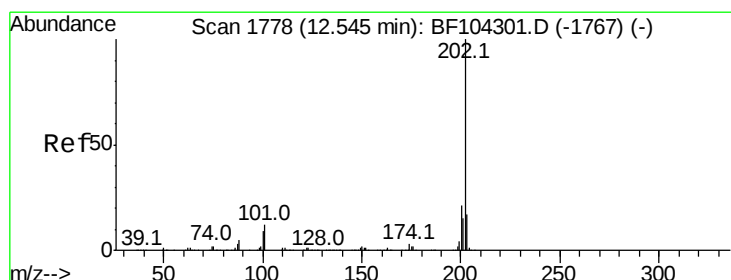
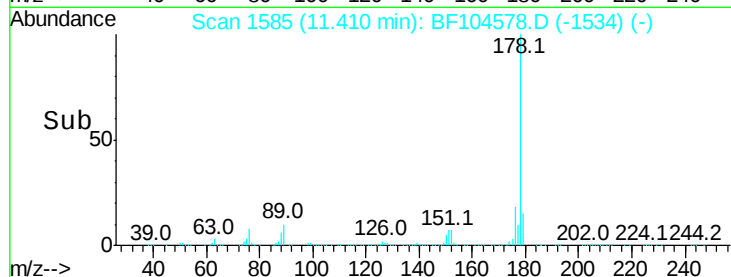
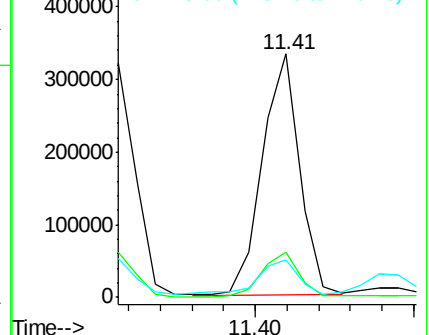
179 15.7 12.6 19.0



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

Fluoranthene

Concen: 27.866 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

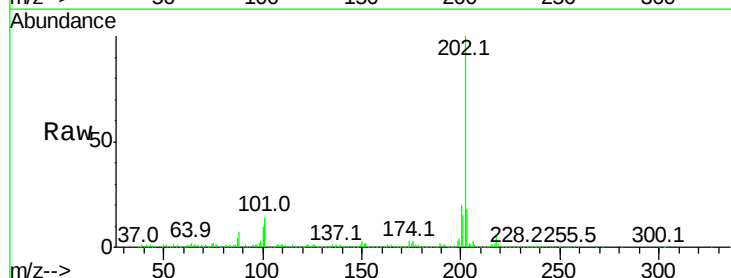
Tgt Ion:202 Resp: 590234

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	18.5	0.0	38.1

202 100

101 14.0 0.0 34.1

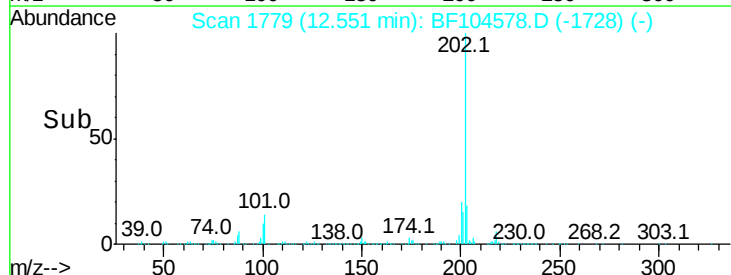
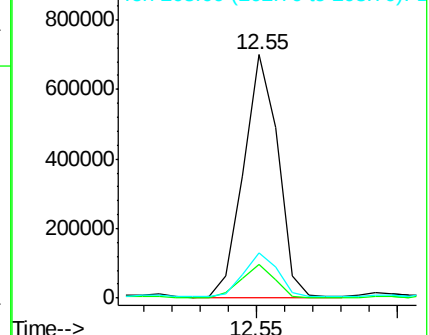
203 18.5 0.0 38.1

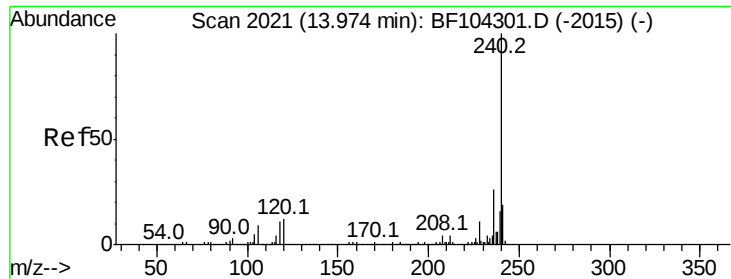


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

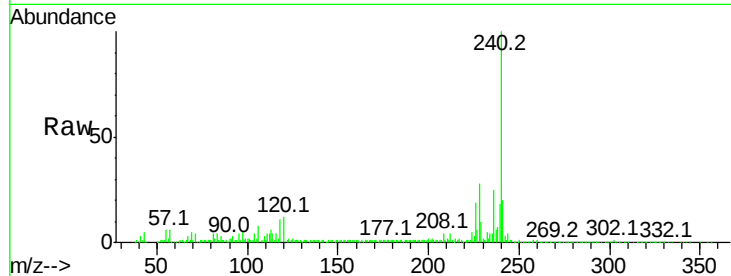
Tot Ion:240 Resp: 281535

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

400000

300000

200000

100000

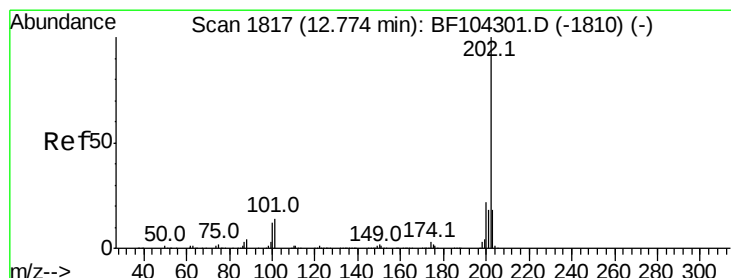
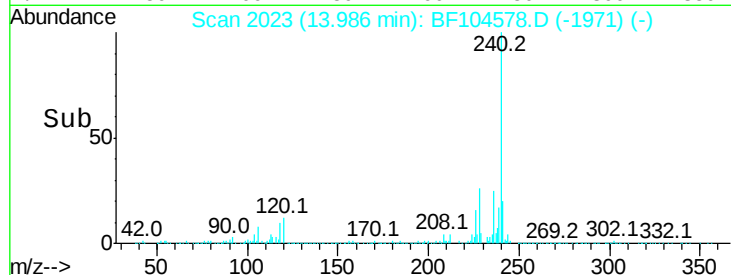
0

13.99

13.95

14.00

Time-->



#77

Pyrene

Concen: 40.595 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

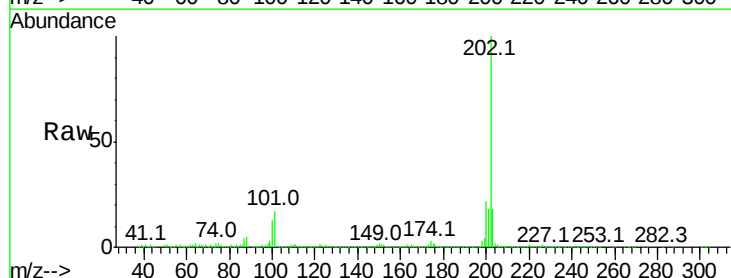
Tgt Ion:202 Resp: 847143

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

203 18.5 14.3 21.5



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

1000000

800000

600000

400000

200000

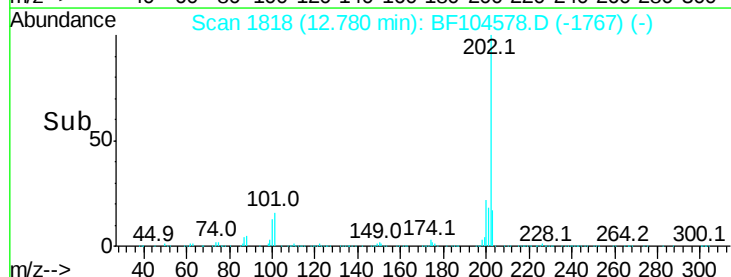
0

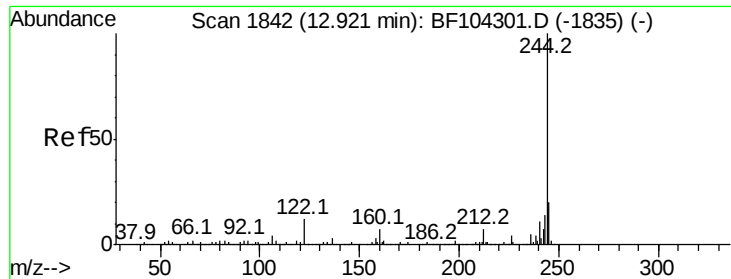
12.78

12.75

12.80

Time-->

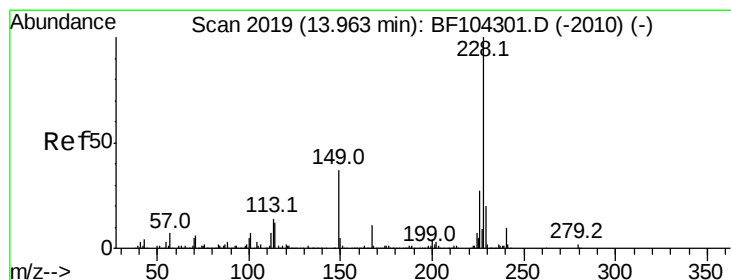
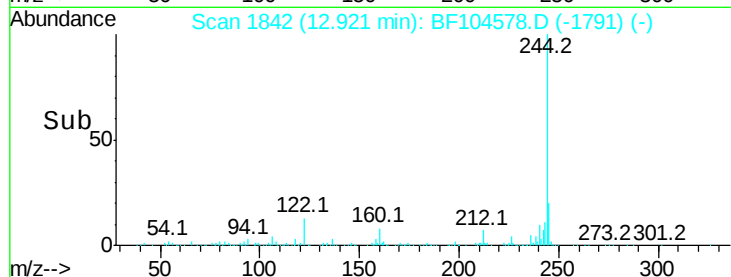
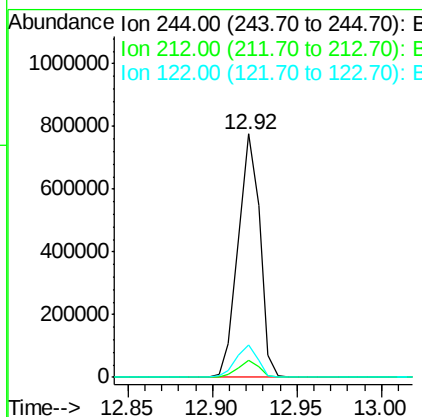
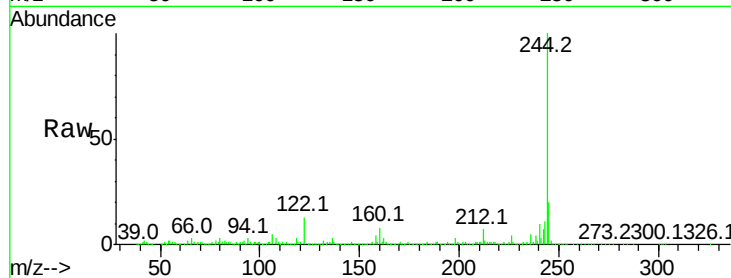




#78
 Terphenyl-d14
 Concen: 56.029 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

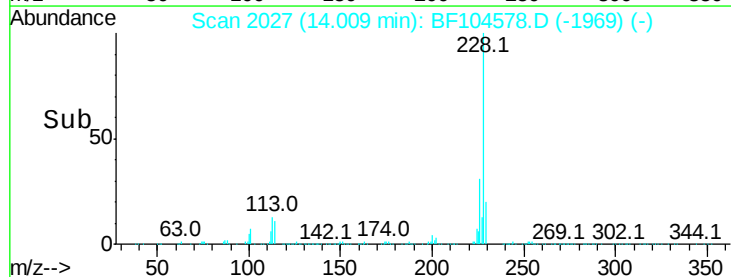
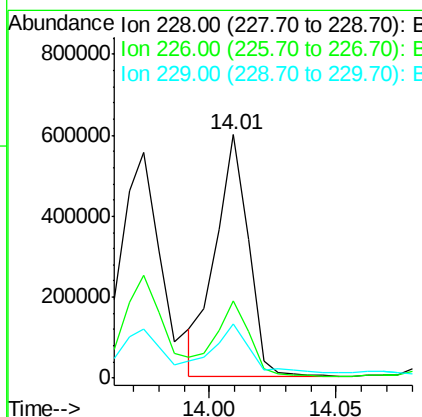
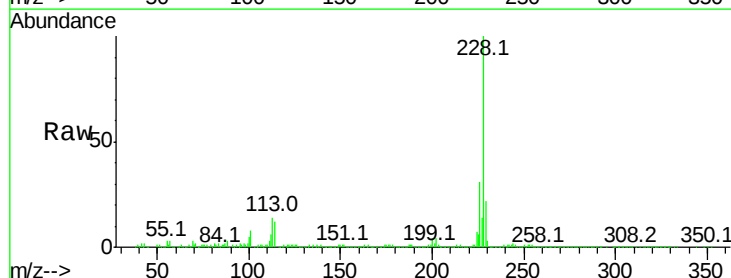
Instrument :
 BNA_F
 ClientSampleId :

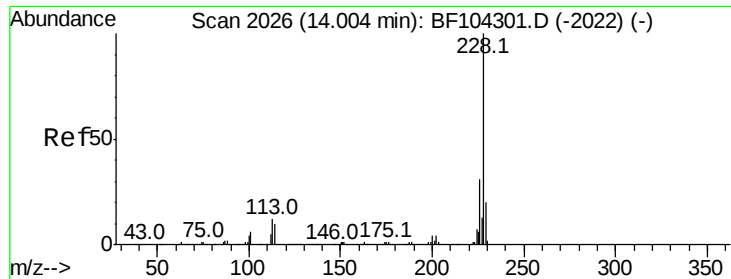
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.2	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 31.924 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.04 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	33.8
229	22.1	15.8	23.6

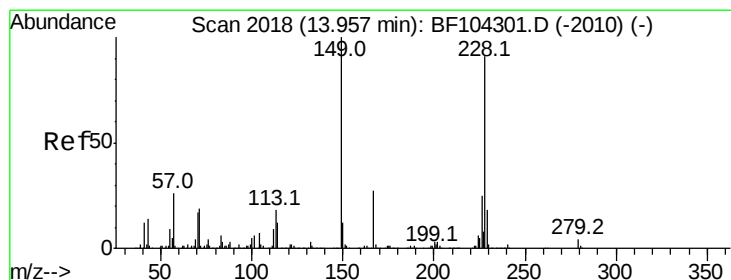
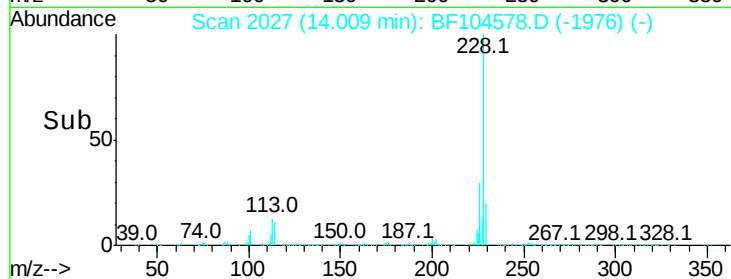
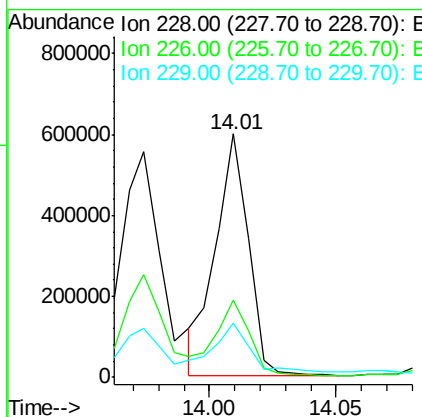
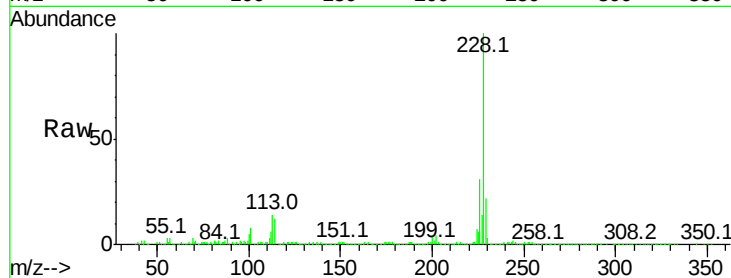




#82
 Chrysene
 Concen: 31.080 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

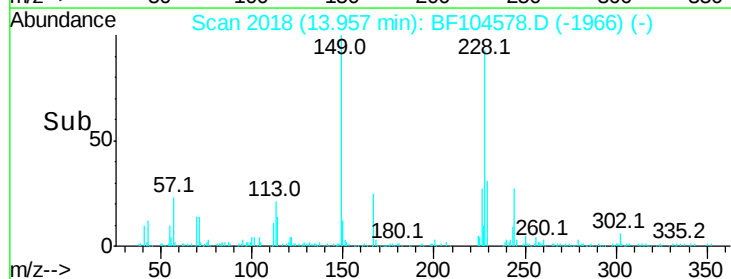
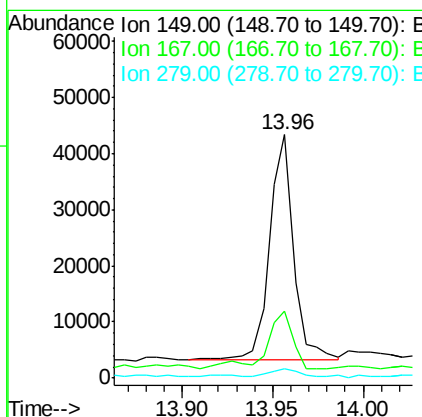
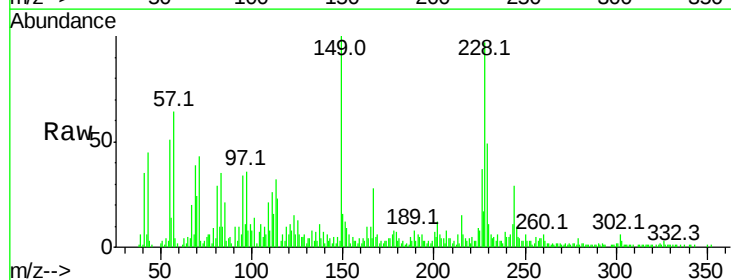
Instrument :
 BNA_F
 ClientSampleId :

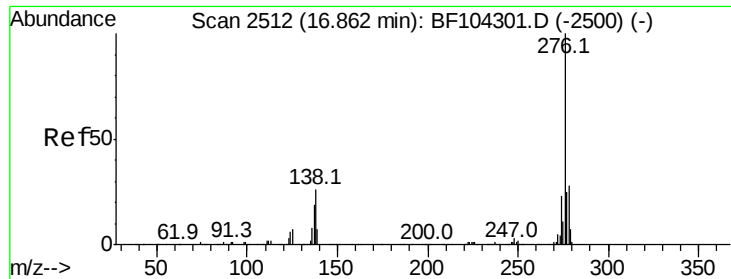
Tot Ion:228 Resp: 536941
 Ion Ratio Lower Upper
 228 100
 226 31.5 25.0 37.6
 229 22.1 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.920 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF104578.D
 Acq: 17 Apr 2018 22:49

Tgt Ion:149 Resp: 36925
 Ion Ratio Lower Upper
 149 100
 167 27.6 21.3 31.9
 279 4.0 3.0 4.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 11.780 ng

RT: 16.90 min Scan# 2518

Delta R.T. 0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

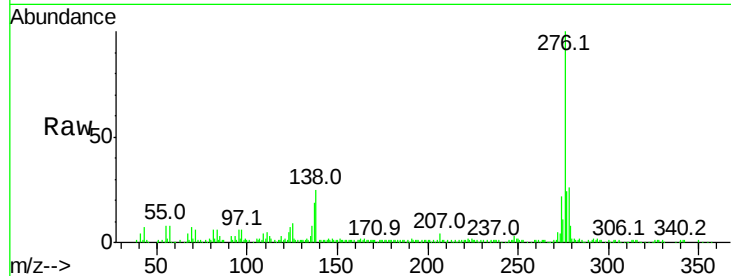
Tot Ion:276 Resp: 172879

Ion Ratio Lower Upper

276 100

138 26.7 25.0 37.6

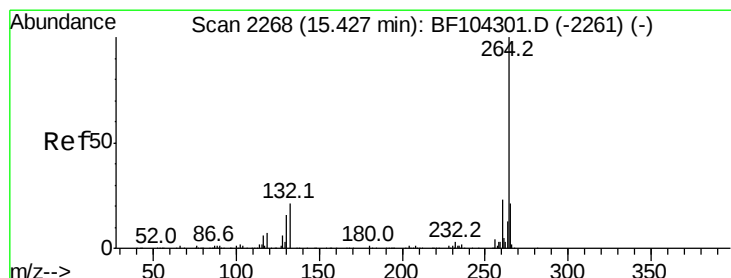
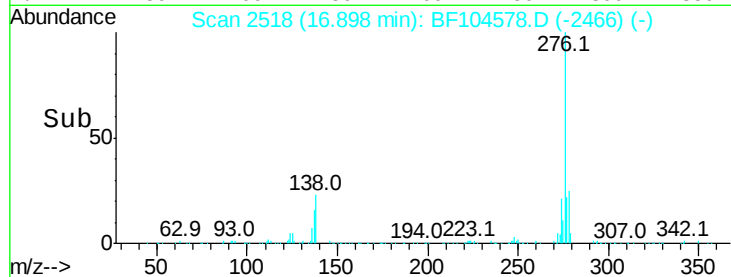
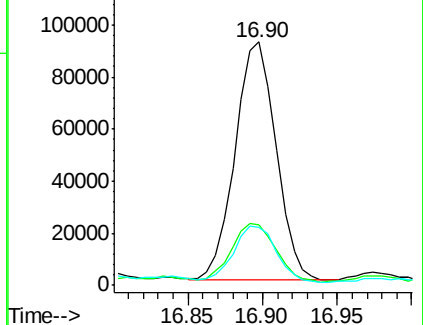
277 24.9 20.1 30.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

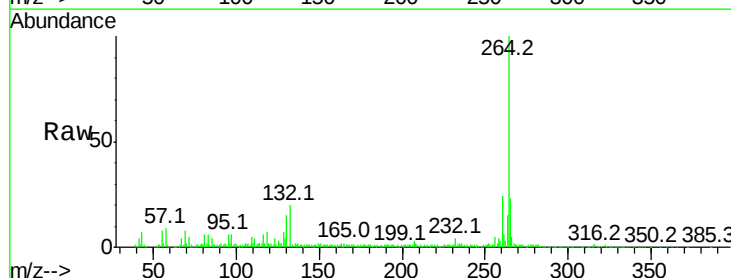
Tgt Ion:264 Resp: 221064

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

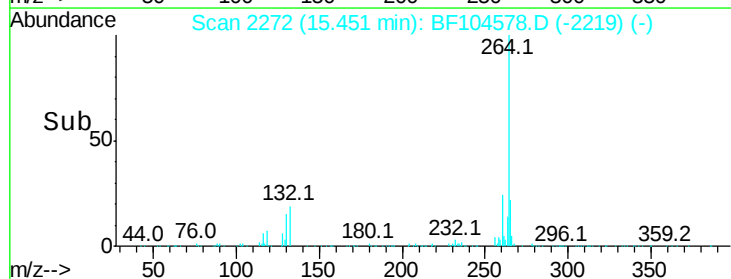
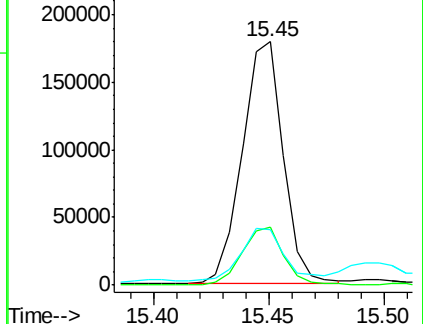
265 23.0 17.5 26.3

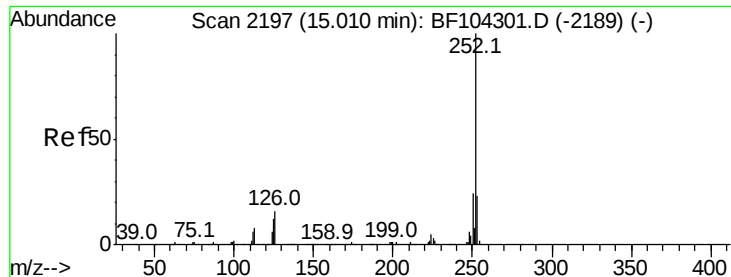


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 41.199 ng

RT: 15.03 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

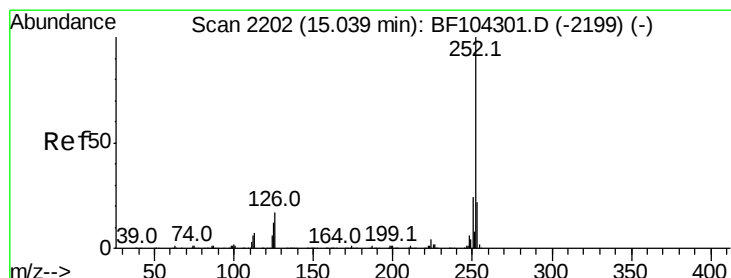
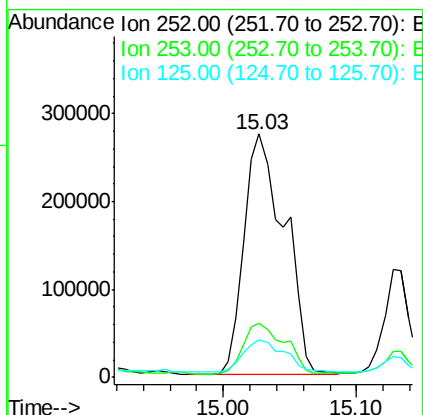
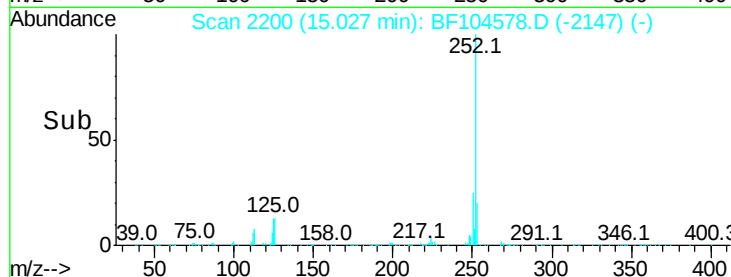
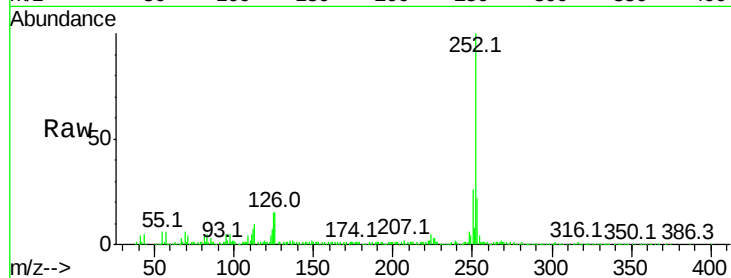
Tot Ion:252 Resp: 575228

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 15.3 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 43.639 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

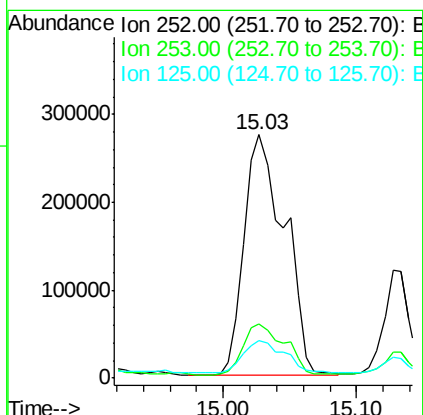
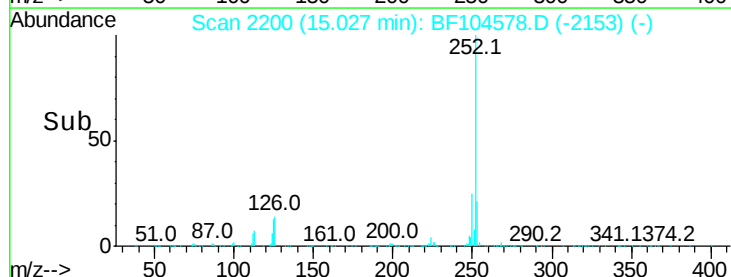
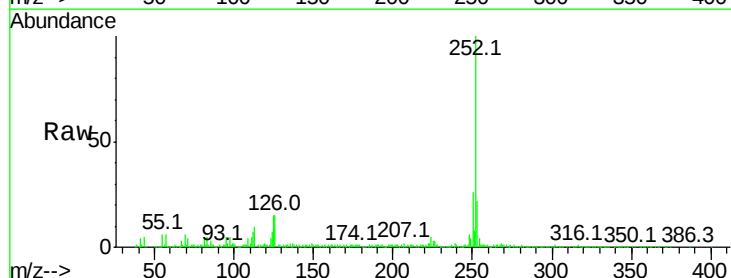
Tgt Ion:252 Resp: 575228

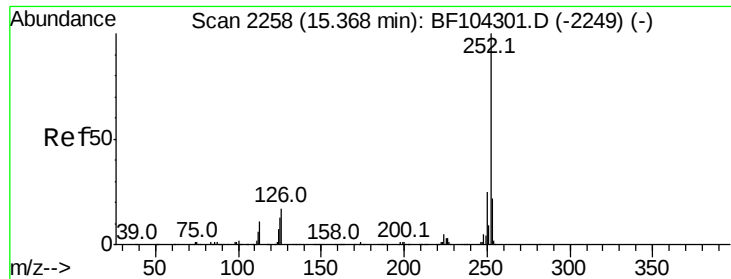
Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 15.3 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 37.297 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

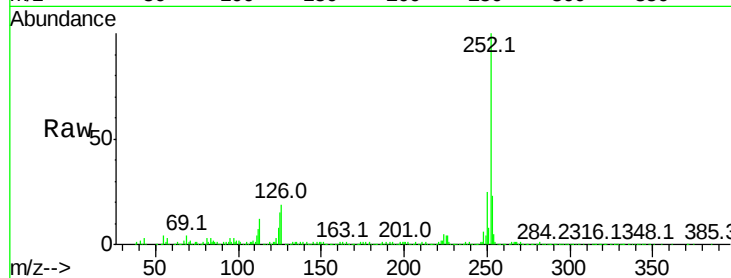
Tot Ion:252 Resp: 465934

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

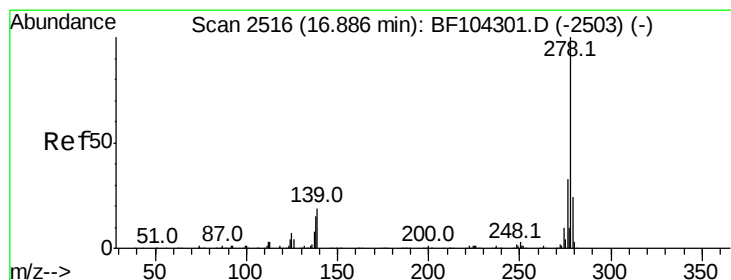
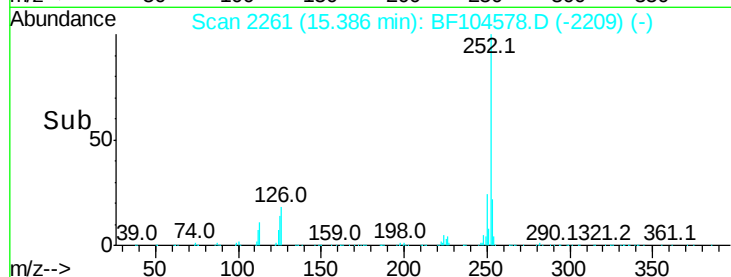
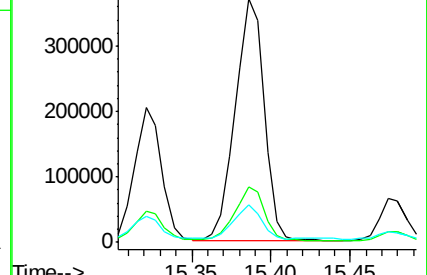
125 15.3 9.8 14.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 6.428 ng

RT: 17.07 min Scan# 2547

Delta R.T. 0.16 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

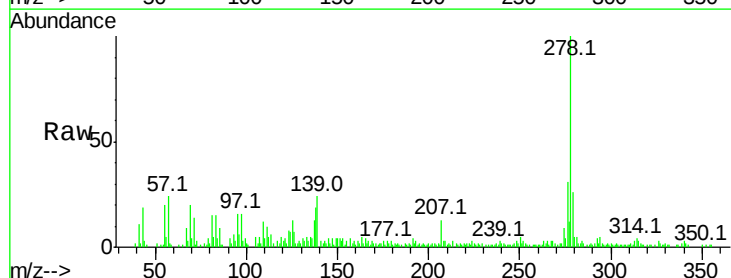
Tgt Ion:278 Resp: 65951

Ion Ratio Lower Upper

278 100

139 23.6 15.9 23.9

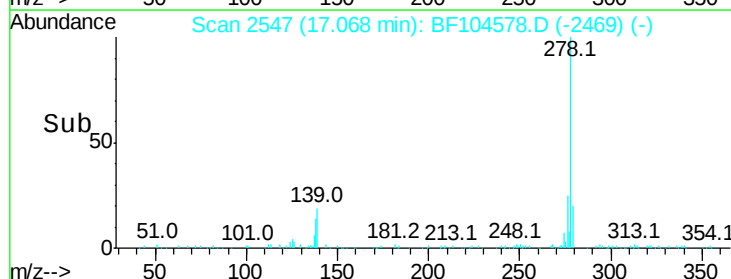
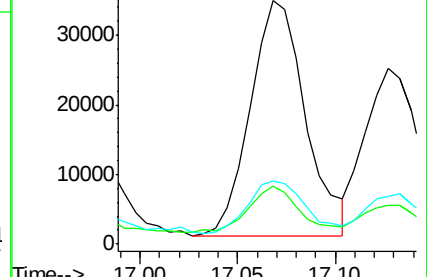
279 26.0 19.0 28.4

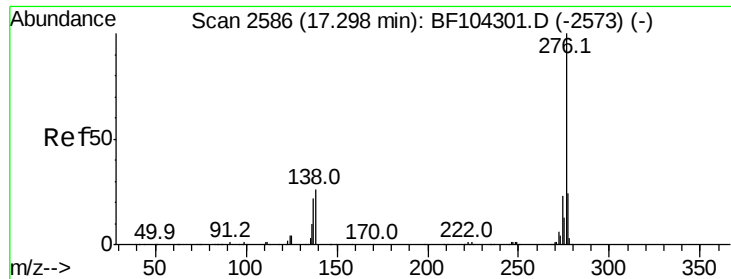


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 18.073 ng

RT: 17.34 min Scan# 2593

Delta R.T. 0.01 min

Lab File: BF104578.D

Acq: 17 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 179649

Ion Ratio Lower Upper

276 100

277 22.3 17.9 26.9

138 25.9 21.8 32.8

