

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103416.D
 Acq On : 5 Mar 2018 18:44
 Operator : SJ/JU
 Sample : J1751-15 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 23:52:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	150312	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	622178	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	270633	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	425759	20.00	ng	0.00
75) Chrysene-d12	14.07	240	244412	20.00	ng	0.00
86) Perylene-d12	15.58	264	239323	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	478410	48.14	ng	0.00
7) Phenol-d6	6.51	99	591102	48.61	ng	-0.01
23) Nitrobenzene-d5	7.43	82	363060	33.32	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	78952	34.47	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	524705	27.53	ng	0.00
78) Terphenyl-d14	13.00	244	358315	35.24	ng	0.00

Target Compounds

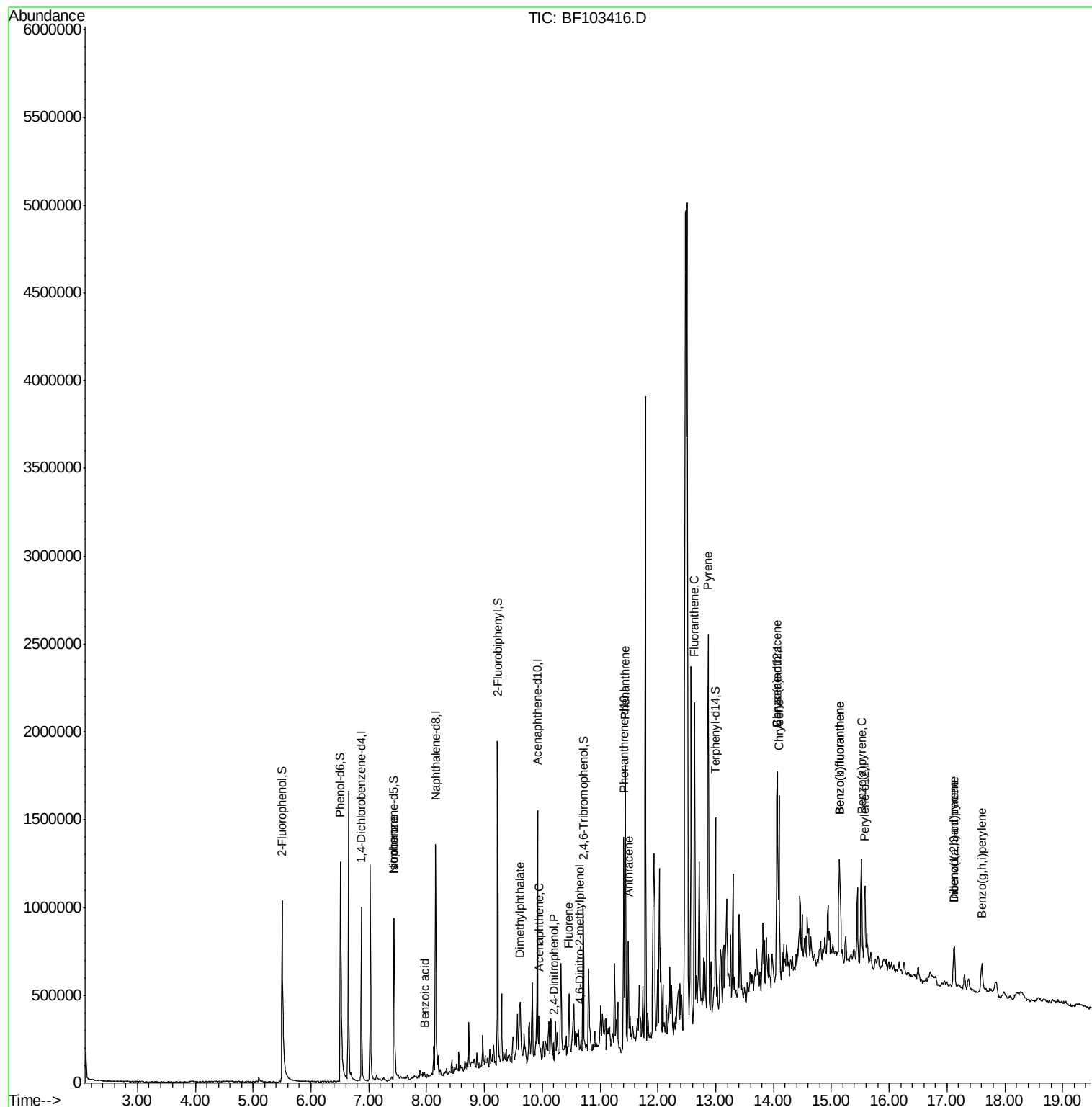
						Qvalue
9) Benzaldehyde	6.52	77	1665	Below Cal	#	1
25) Isophorone	7.43	82	358882	16.726	ng	# 64
32) Benzoic acid	7.97	122	117	6.929	ng	# 1
49) Dimethylphthalate	9.62	163	73126	3.368	ng	99
51) Acenaphthene	9.95	154	41325	2.567	ng	93
53) 2,4-Dinitrophenol	10.20	184	277	9.769	ng	# 1
57) Fluorene	10.46	166	84569	4.493	ng	97
64) 4,6-Dinitro-2-methylphenol	10.65	198	120	4.987	ng	# 1
70) Phenanthrene	11.43	178	571327	24.384	ng	99
71) Anthracene	11.49	178	220594	9.181	ng	100
74) Fluoranthene	12.63	202	724279	30.761	ng	98
77) Pyrene	12.87	202	977659	51.305	ng	99
80) Benzo(a)anthracene	14.06	228	430099	27.121	ng	98
82) Chrysene	14.10	228	415526	26.986	ng	98
85) Indeno(1,2,3-cd)pyrene	17.13	276	139845	11.472	ng	96
87) Benzo(b)fluoranthene	15.14	252	494819	31.446	ng	# 92
88) Benzo(k)fluoranthene	15.14	252	494960	33.404	ng	# 95
89) Benzo(a)pyrene	15.52	252	338246	24.072	ng	96
90) Dibenzo(a,h)anthracene	17.13	278	46986	4.327	ng	# 80
91) Benzo(a,h,i)perylene	17.60	276	143002	13.476	ng	96

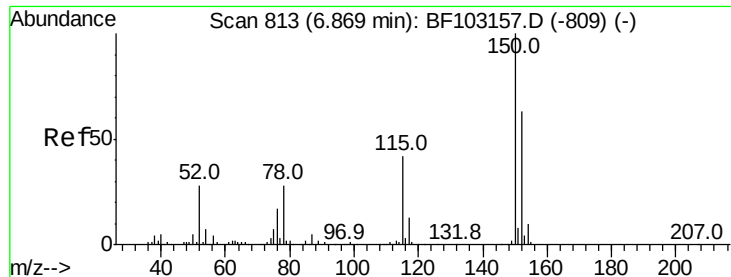
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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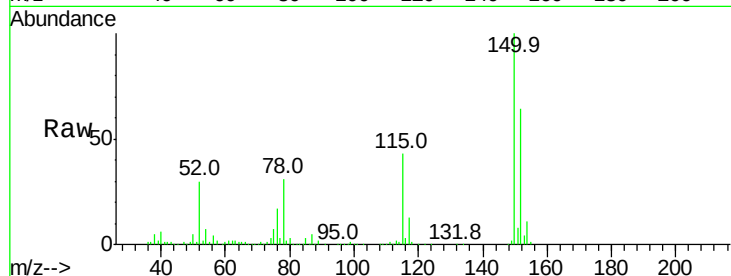


#1

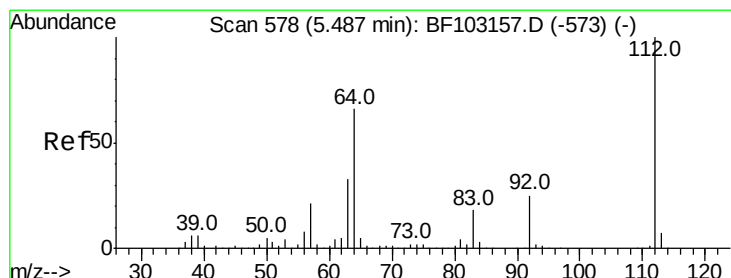
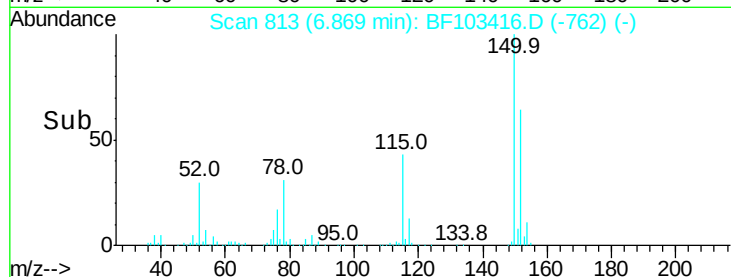
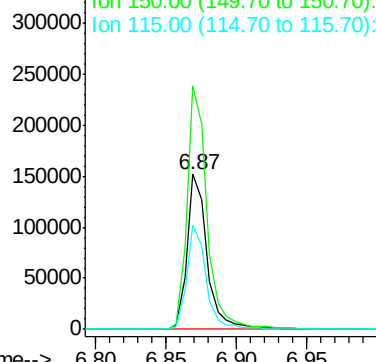
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103416.D
Acq: 5 Mar 2018 18:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 150312
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 66.8 50.1 75.1



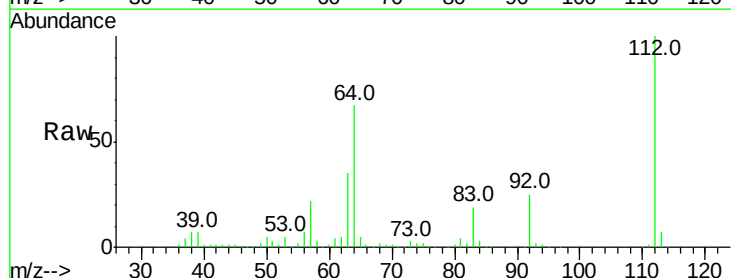
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



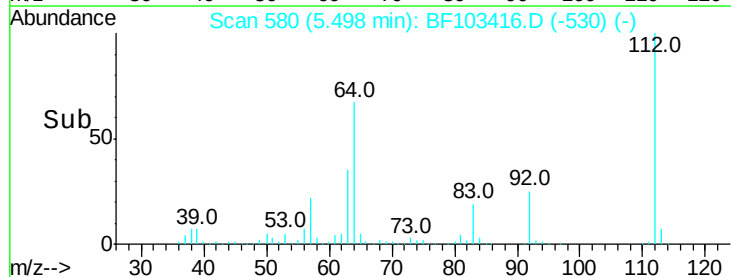
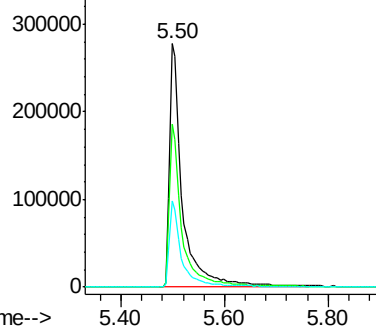
#5

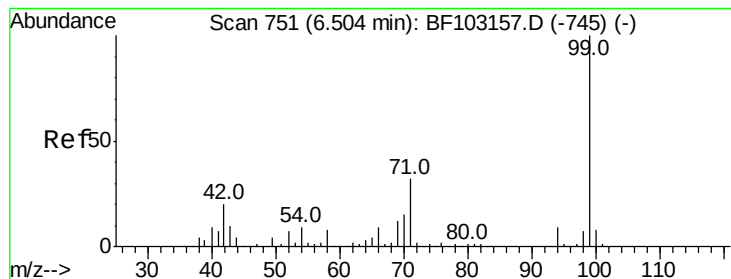
2-Fluorophenol
Concen: 48.137 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF103416.D
Acq: 5 Mar 2018 18:44

Tgt Ion:112 Resp: 478410
Ion Ratio Lower Upper
112 100
64 67.1 47.9 71.9
63 35.2 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: 48.606 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

Instrument :

BNA_F

ClientSampled :

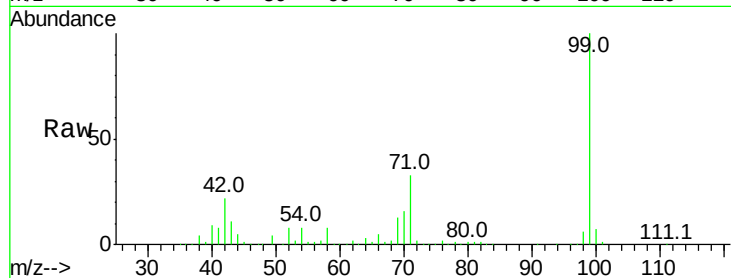
Tot Ion: 99 Resp: 591102

Ion Ratio Lower Upper

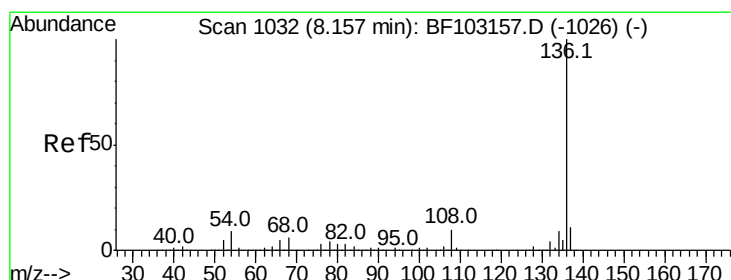
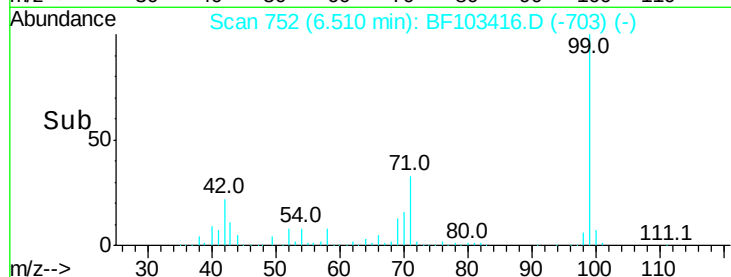
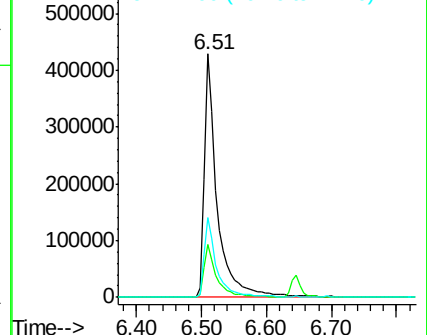
99 100

42 21.9 14.5 21.7#

71 32.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

Tgt Ion: 136 Resp: 622178

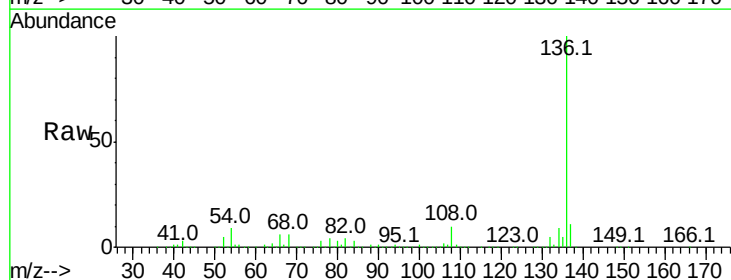
Ion Ratio Lower Upper

136 100

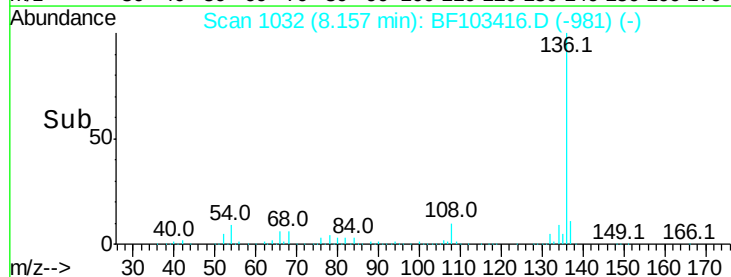
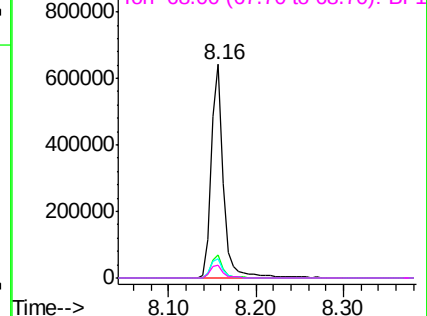
137 10.8 8.9 13.3

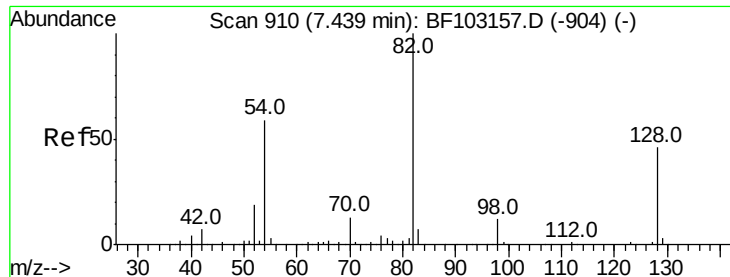
54 9.0 6.6 9.8

68 6.2 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

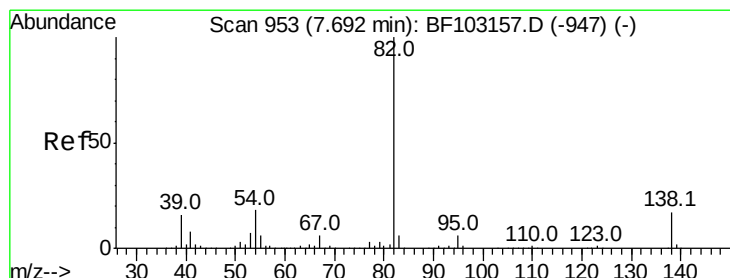
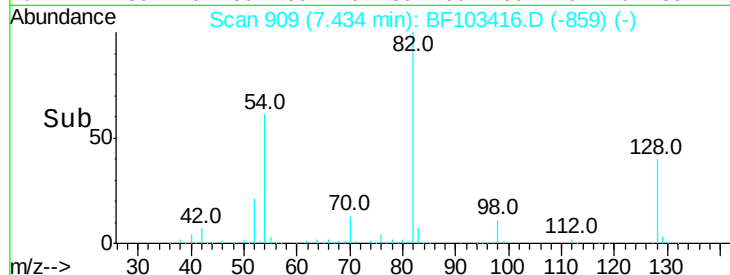
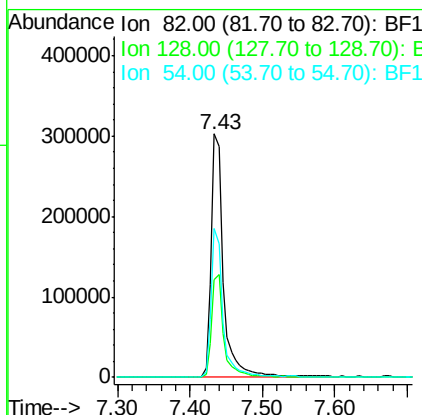
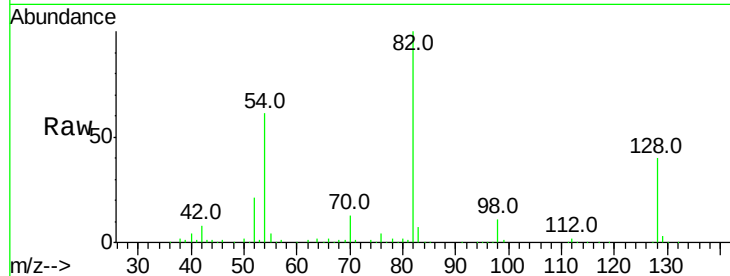




#23
 Nitrobenzene-d5
 Concen: 33.325 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103416.D
 Acq: 5 Mar 2018 18:44

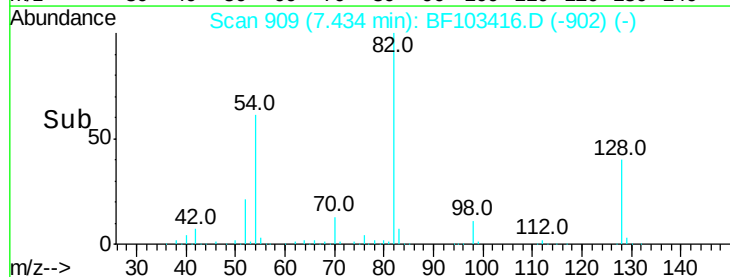
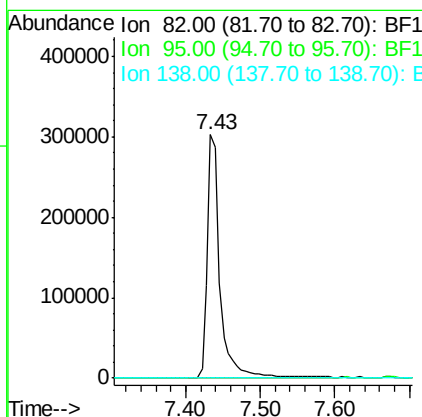
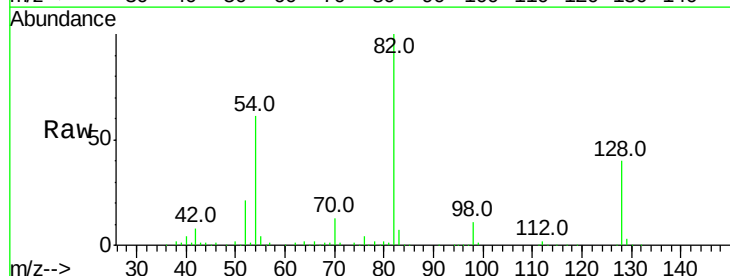
Instrument :
 BNA_F
 ClientSampleId :

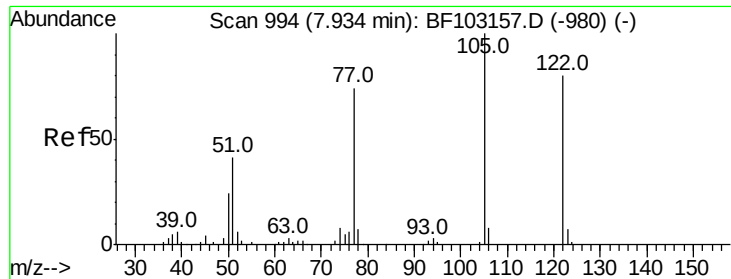
Tot Ion: 82 Resp: 363060
 Ion Ratio Lower Upper
 82 100
 128 40.0 36.1 54.1
 54 61.3 41.4 62.2



#25
 Isophorone
 Concen: 16.726 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.26 min
 Lab File: BF103416.D
 Acq: 5 Mar 2018 18:44

Tgt Ion: 82 Resp: 358882
 Ion Ratio Lower Upper
 82 100
 95 0.2 5.2 7.8#
 138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 6.929 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.01 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

Instrument :

BNA_F

ClientSampled :

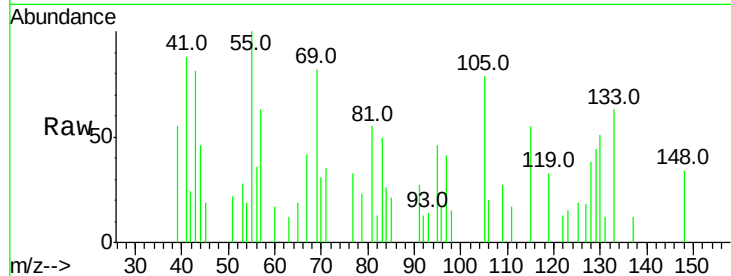
Tot Ion:122 Resp: 117

Ion Ratio Lower Upper

122 100

105 622.5 101.1 141.1#

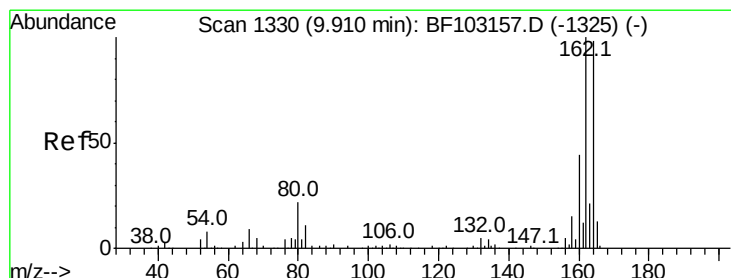
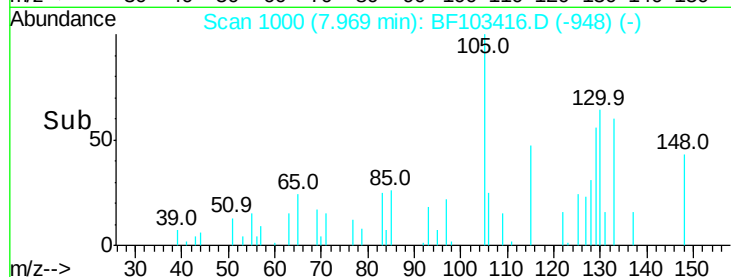
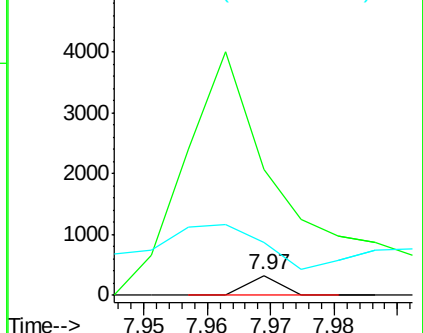
77 264.3 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

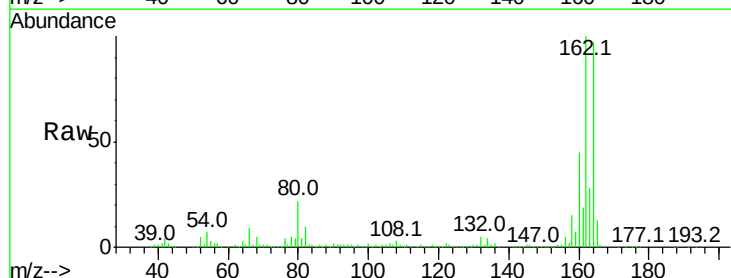
Tgt Ion:164 Resp: 270633

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

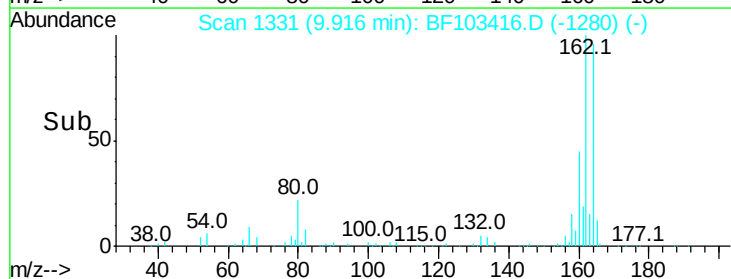
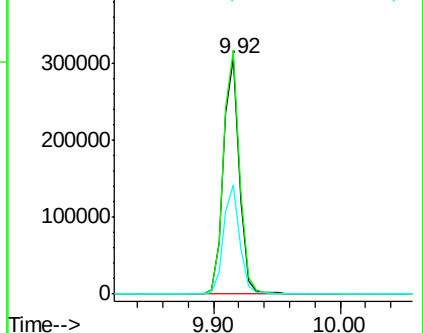
160 46.4 38.3 57.5

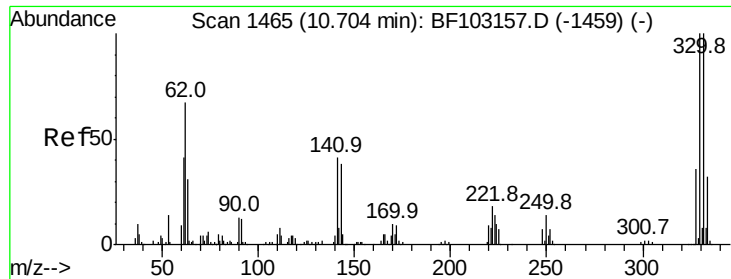


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

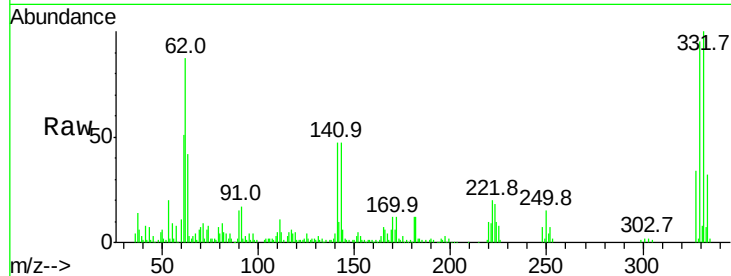




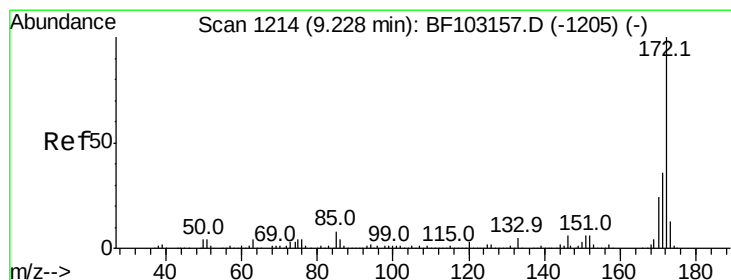
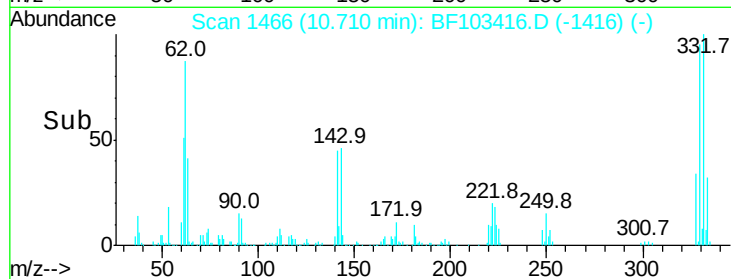
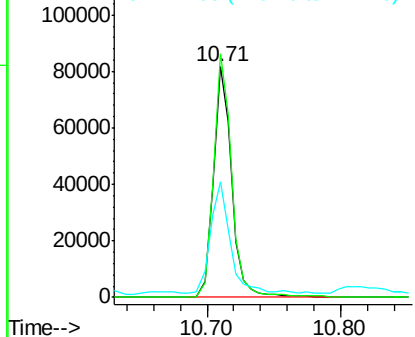
#41
 2,4,6-Tribromophenol
 Concen: 34.465 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103416.D
 Acq: 5 Mar 2018 18:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 78952
 Ion Ratio Lower Upper
 330 100
 332 104.4 77.0 115.6
 141 50.4 29.9 44.9#

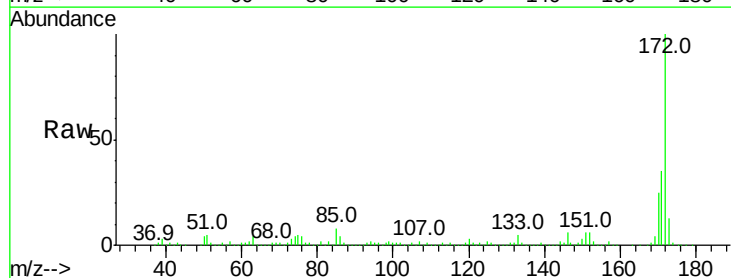


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

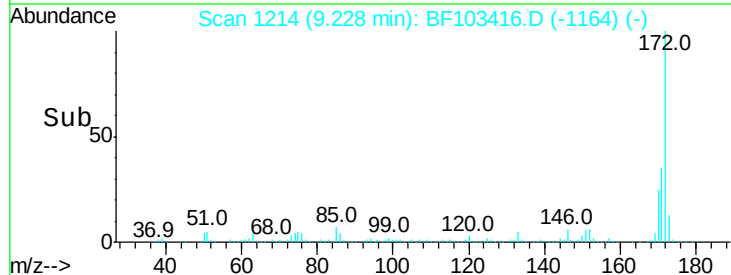
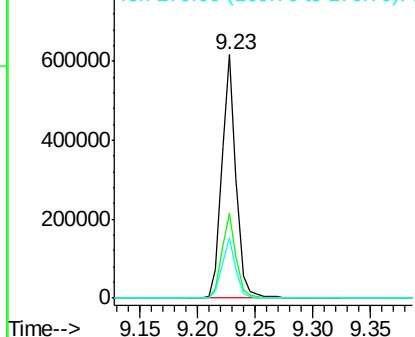


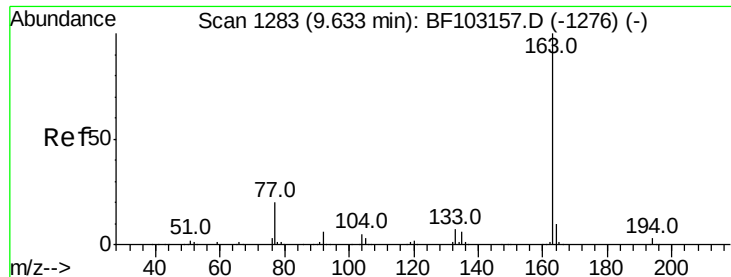
#44
 2-Fluorobiphenyl
 Concen: 27.526 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103416.D
 Acq: 5 Mar 2018 18:44

Tgt Ion:172 Resp: 524705
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 24.7 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

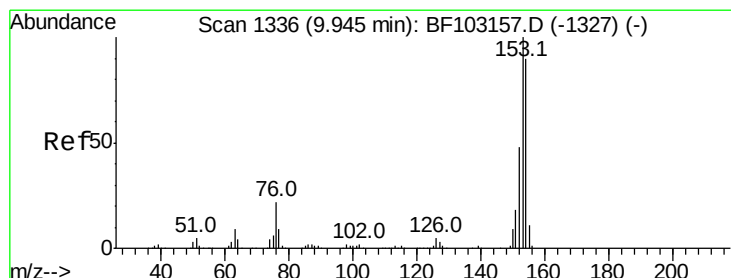
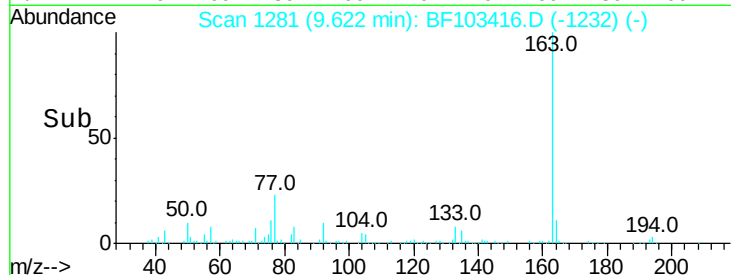
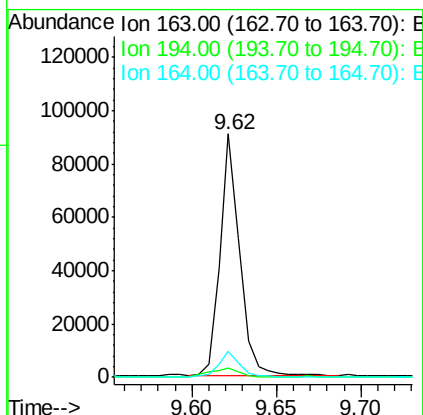
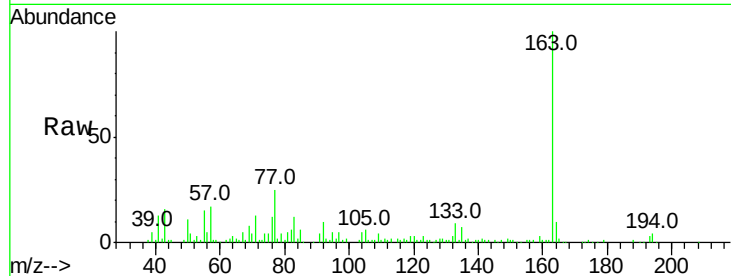




#49
Dimethylphthalate
Concen: 3.368 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103416.D
Acq: 5 Mar 2018 18:44

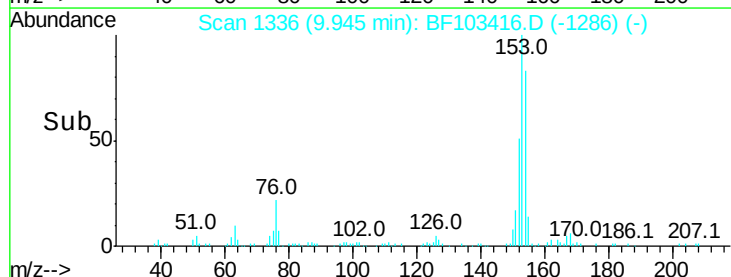
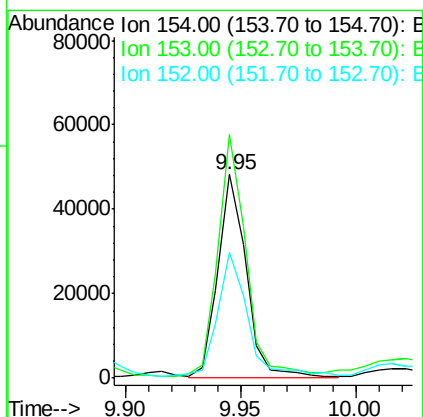
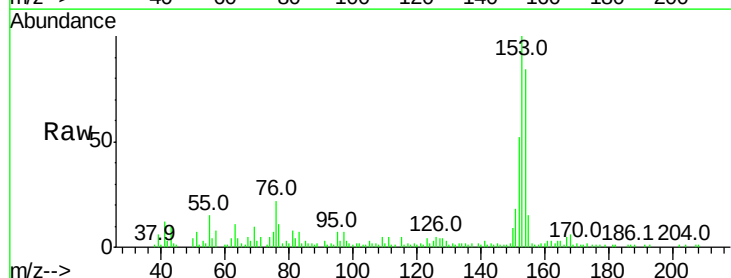
Instrument :
BNA_F
ClientSampleId :

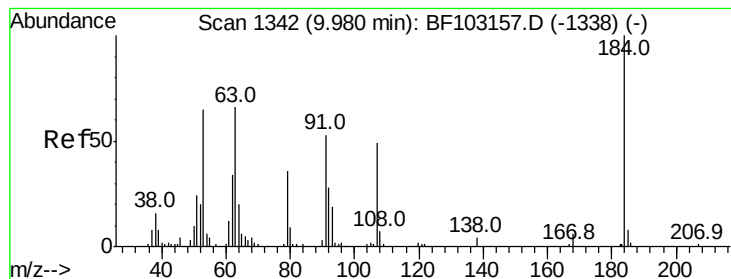
Tot Ion:163 Resp: 73126
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.5 8.2 12.2



#51
Acenaphthene
Concen: 2.567 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF103416.D
Acq: 5 Mar 2018 18:44

Tgt Ion:154 Resp: 41325
Ion Ratio Lower Upper
154 100
153 119.6 91.2 136.8
152 61.7 43.8 65.8





#53

2,4-Dinitrophenol

Concen: 9.769 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.20 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

Instrument :

BNA_F

ClientSampleId :

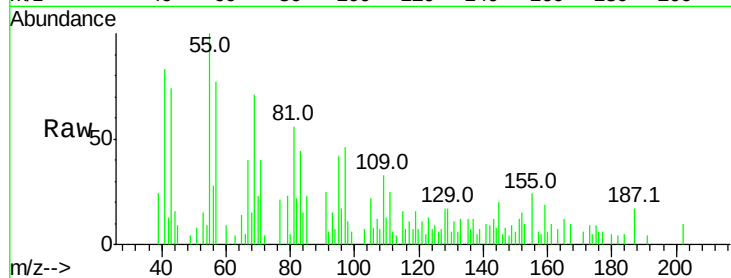
Tot Ion:184 Resp: 277

Ion Ratio Lower Upper

184 100

63 78.3 54.2 81.2

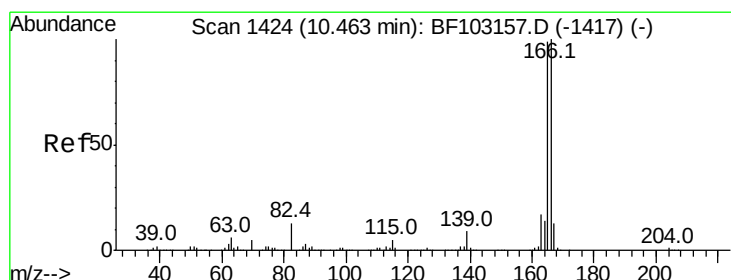
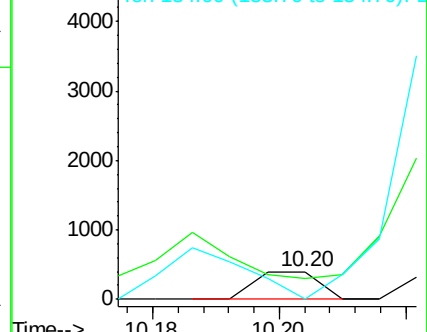
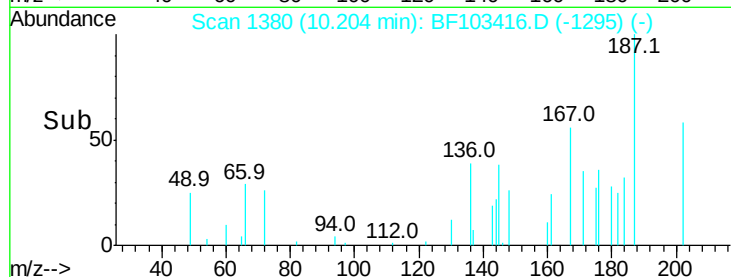
154 0.0 184.0 276.0#



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: 4.493 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

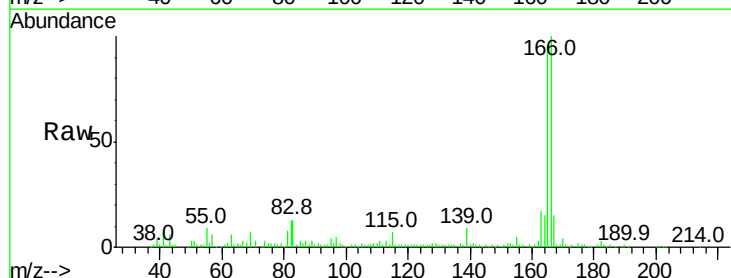
Tgt Ion:166 Resp: 84569

Ion Ratio Lower Upper

166 100

165 96.5 79.8 119.8

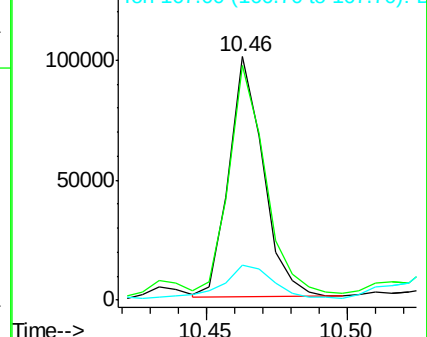
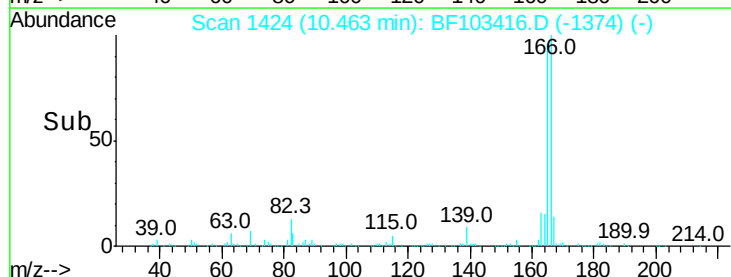
167 14.6 10.6 16.0

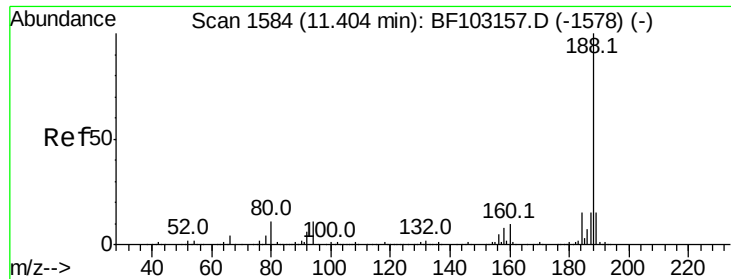


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

Instrument :

BNA_F

ClientSampleId :

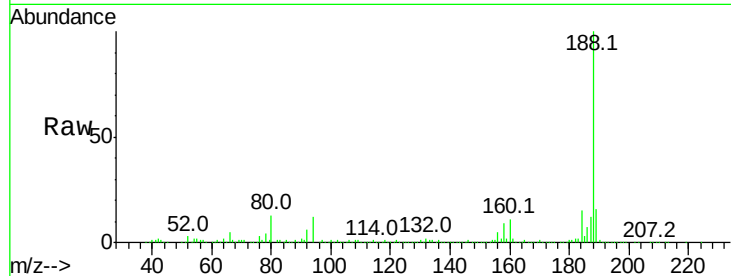
Tot Ion:188 Resp: 425759

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

80 13.1 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

11.41

400000

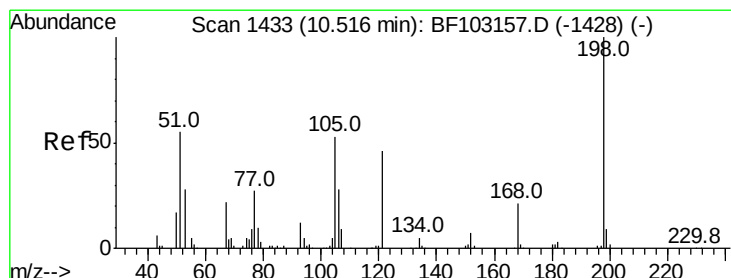
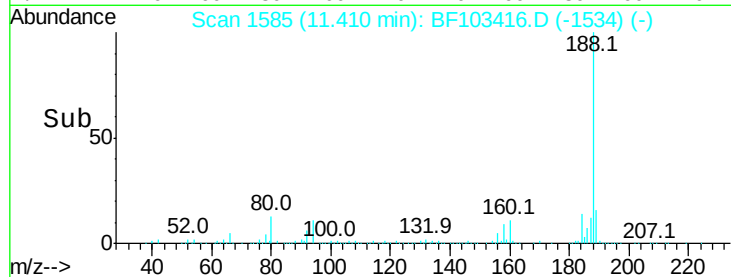
300000

200000

100000

0

Time--> 11.35 11.40 11.45



#64

4,6-Dinitro-2-methylphenol

Concen: 4.987 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.11 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

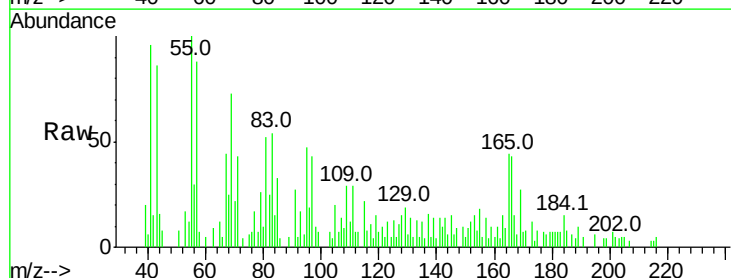
Tgt Ion:198 Resp: 120

Ion Ratio Lower Upper

198 100

51 214.4 37.7 77.7#

105 520.8 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

10.65

8000

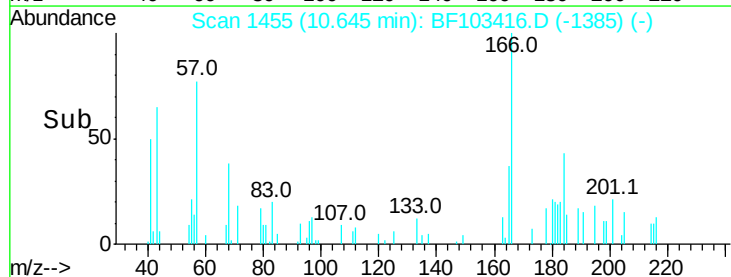
6000

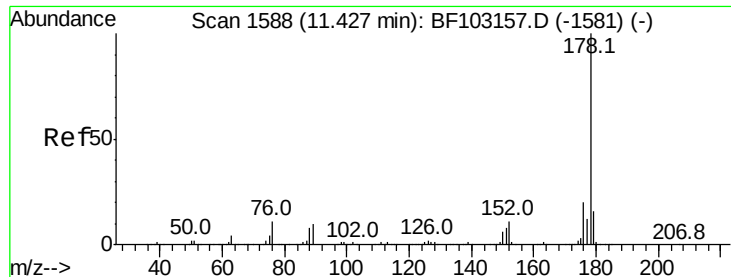
4000

2000

0

Time--> 10.64 10.66





#70

Phenanthrene

Concen: 24.384 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

Instrument :

BNA_F

ClientSampled :

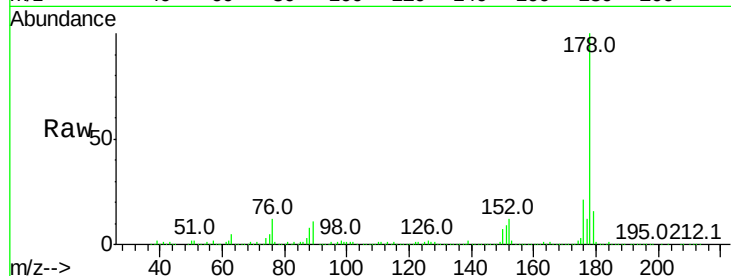
Tot Ion:178 Resp: 571327

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

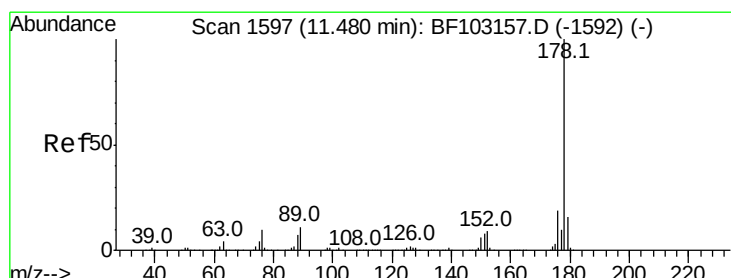
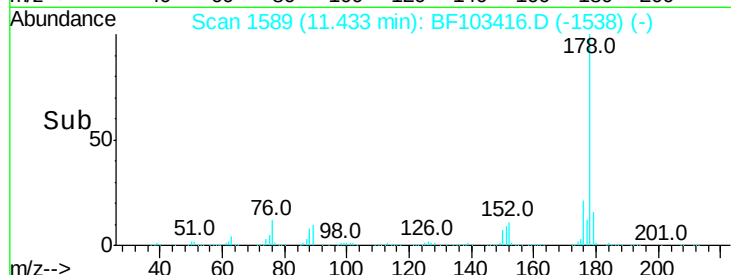
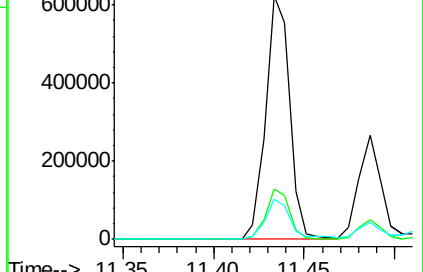
179 16.3 13.0 19.6



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: 9.181 ng

RT: 11.49 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

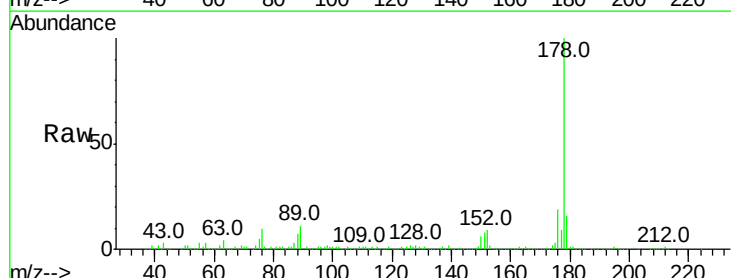
Tgt Ion:178 Resp: 220594

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

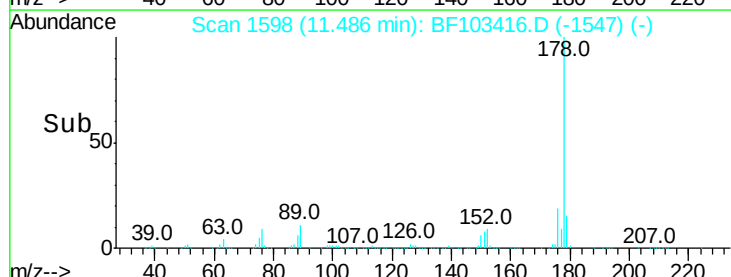
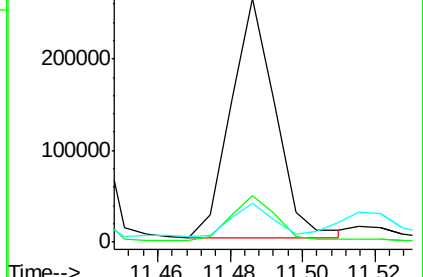
179 15.9 12.6 19.0

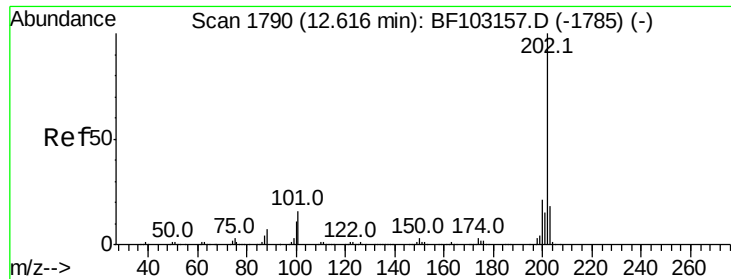


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 30.761 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

Instrument :

BNA_F

ClientSampleId :

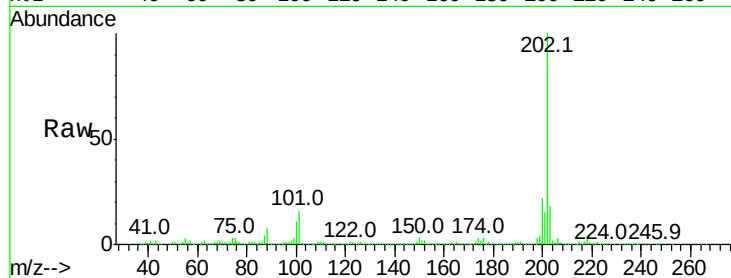
Tot Ion:202 Resp: 724279

Ion Ratio Lower Upper

202 100

101 15.9 0.0 34.1

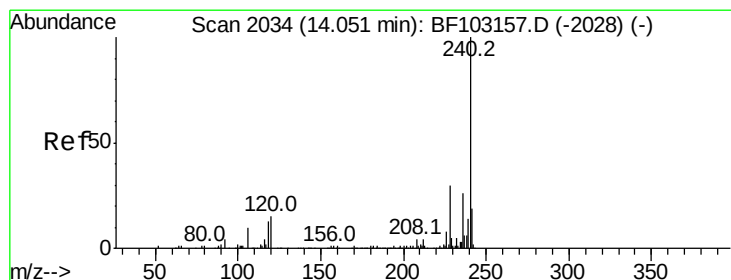
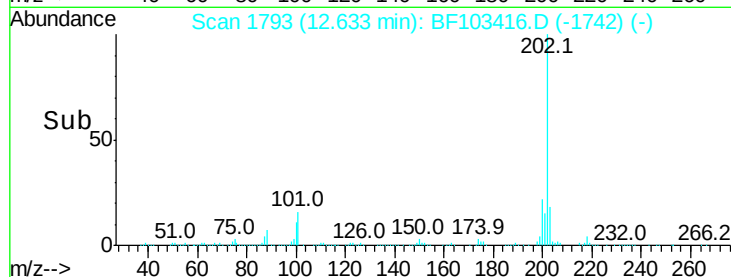
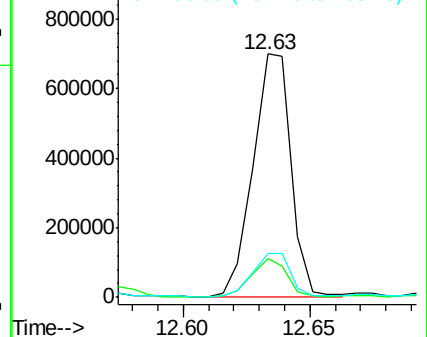
203 18.2 0.0 38.1



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: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

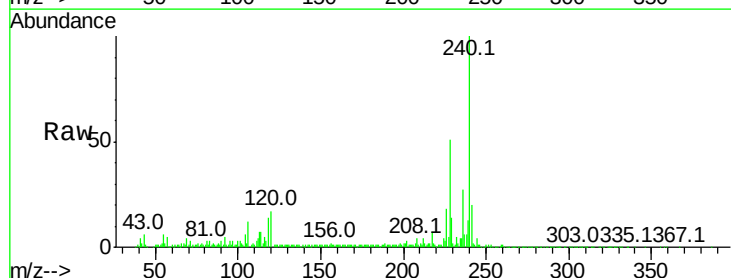
Tgt Ion:240 Resp: 244412

Ion Ratio Lower Upper

240 100

120 16.8 9.5 14.3#

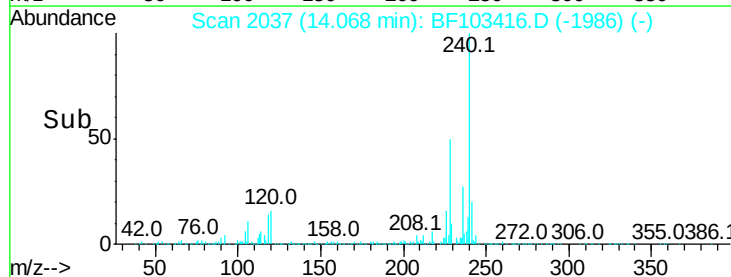
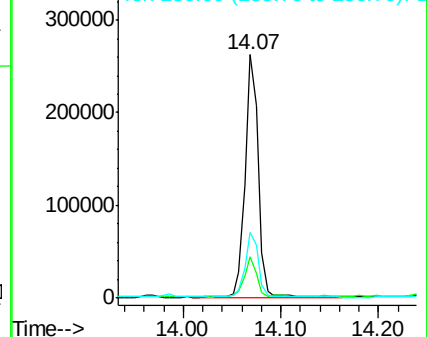
236 27.2 20.7 31.1

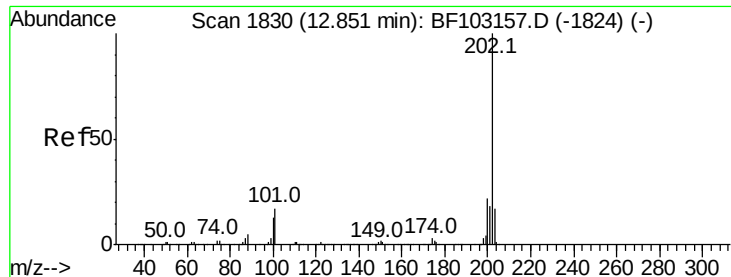


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 51.305 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

Instrument :

BNA_F

ClientSampleId :

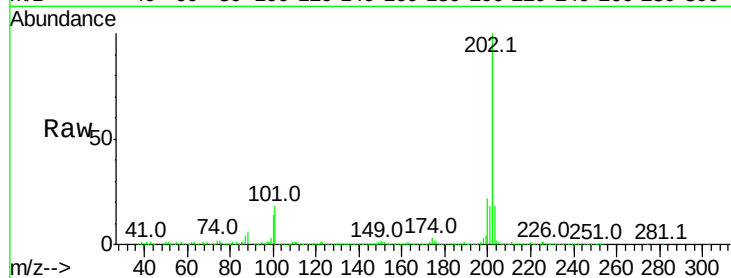
Tot Ion:202 Resp: 977659

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

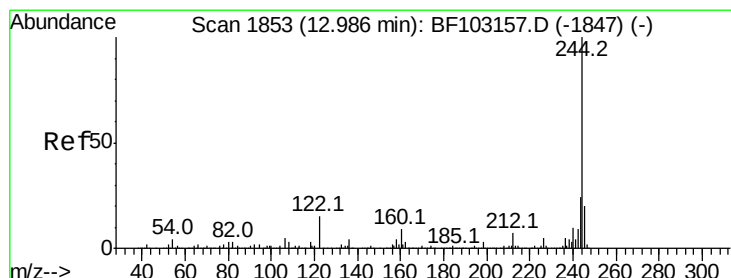
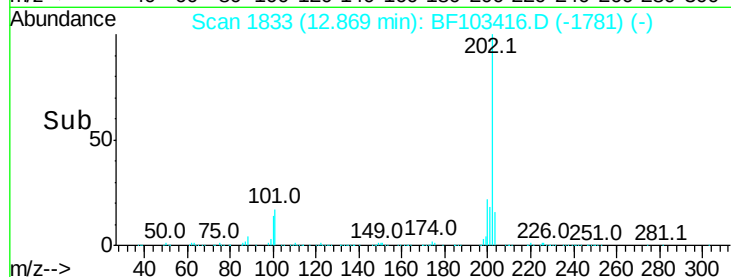
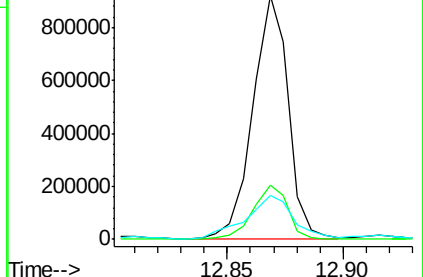
203 18.1 14.3 21.5



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



#78

Terphenyl-d14

Concen: 35.241 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

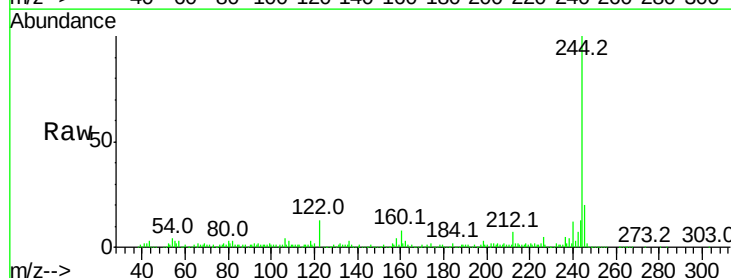
Tgt Ion:244 Resp: 358315

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

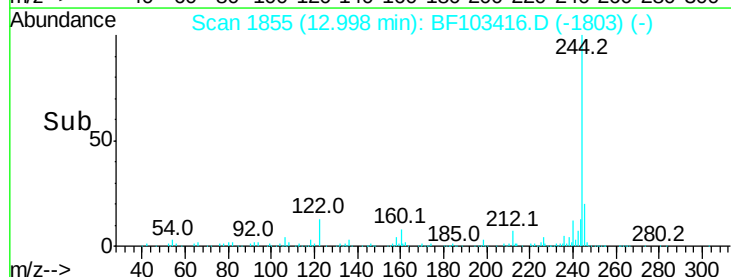
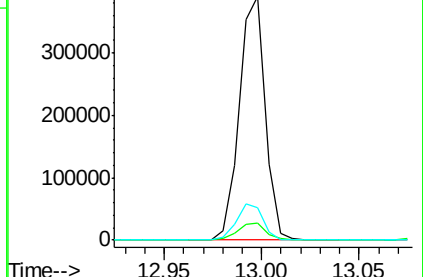
122 13.4 11.0 16.4

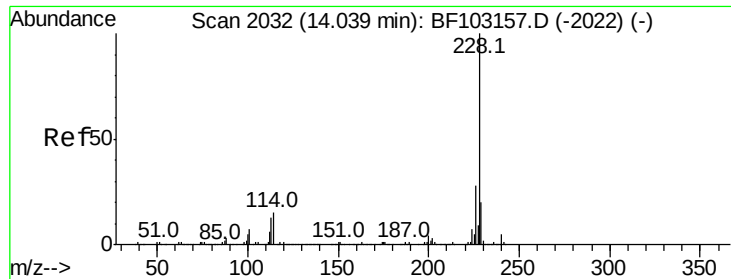


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

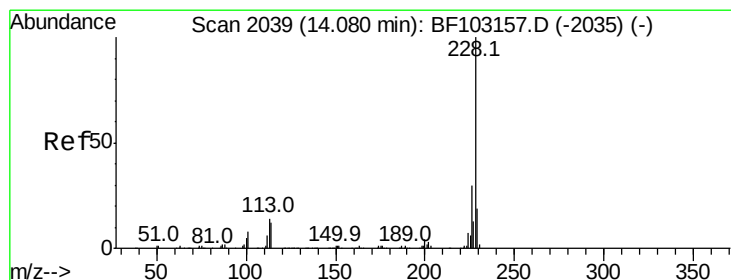
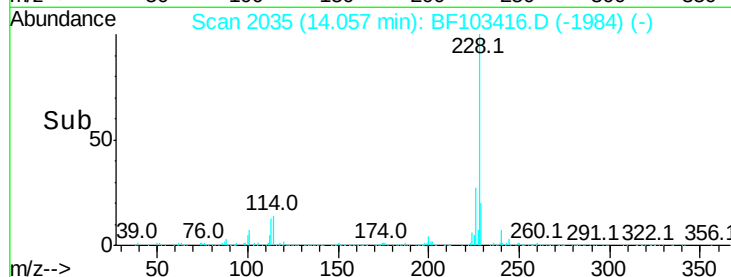
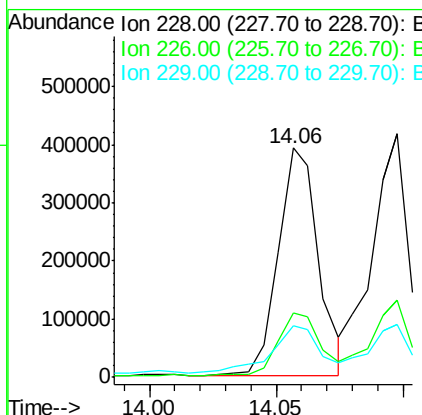
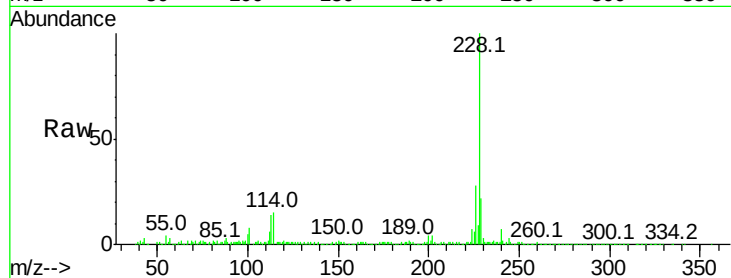




#80
Benzo(a)anthracene
Concen: 27.121 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103416.D
Acq: 5 Mar 2018 18:44

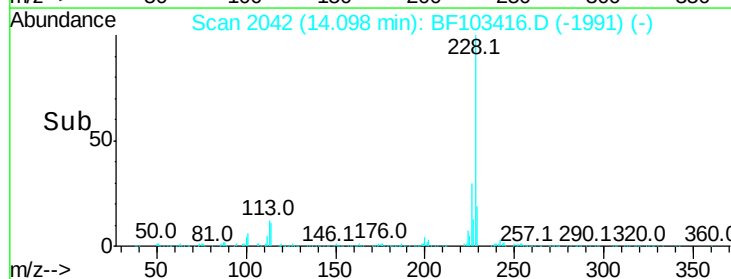
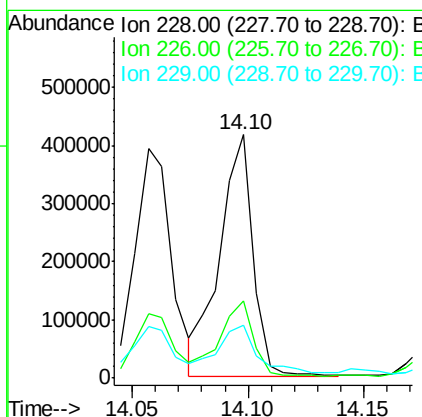
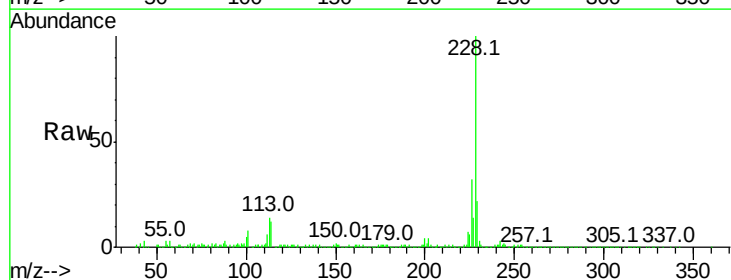
Instrument :
BNA_F
ClientSampleId :

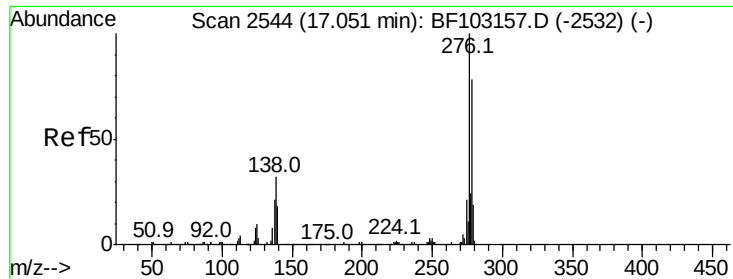
Tot Ion:228 Resp: 430099
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 22.3 15.8 23.6



#82
Chrysene
Concen: 26.986 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.00 min
Lab File: BF103416.D
Acq: 5 Mar 2018 18:44

Tgt Ion:228 Resp: 415526
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 21.9 16.2 24.4

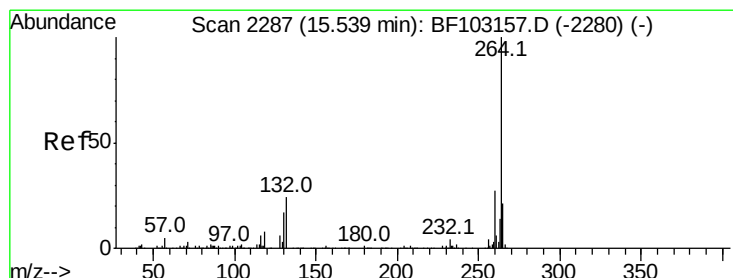
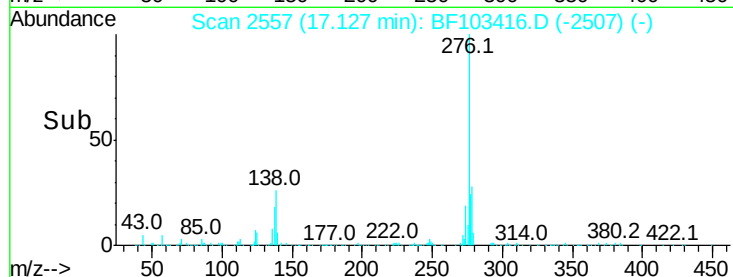
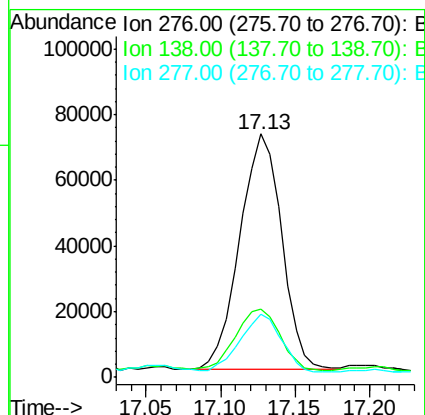
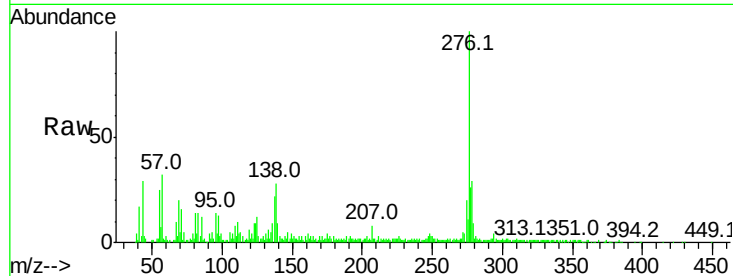




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.472 ng
 RT: 17.13 min Scan# 2557
 Delta R.T. -0.01 min
 Lab File: BF103416.D
 Acq: 5 Mar 2018 18:44

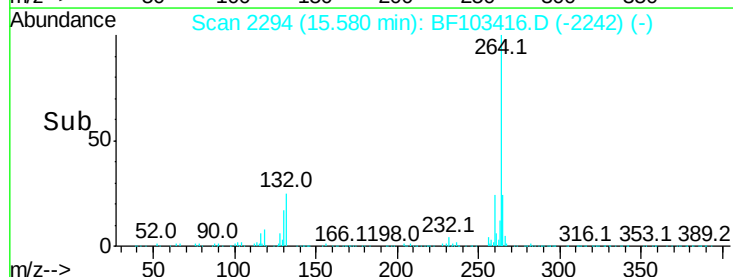
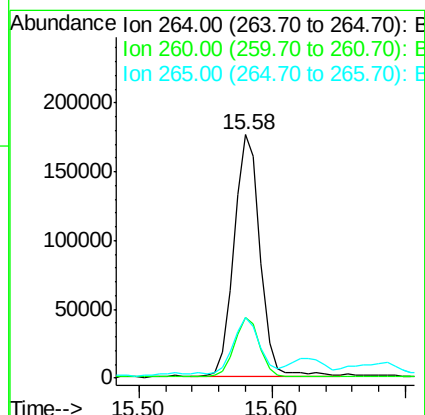
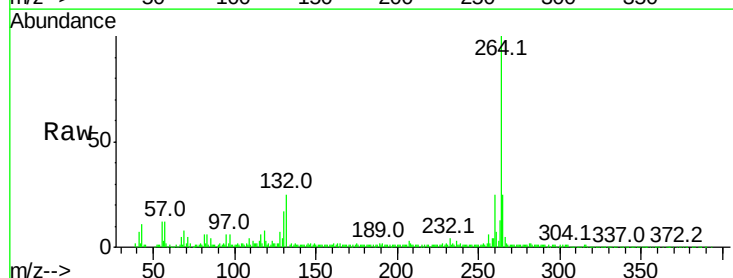
Instrument :
 BNA_F
 ClientSampleId :

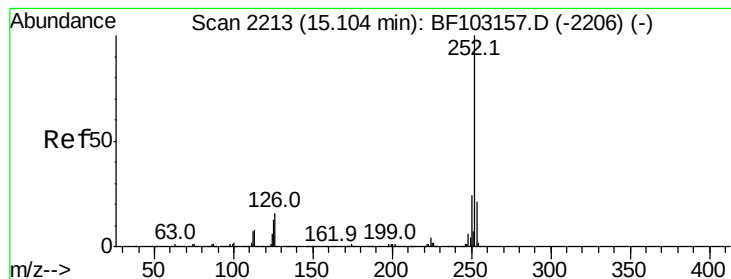
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.0	37.6
277	23.8	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF103416.D
 Acq: 5 Mar 2018 18:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	24.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 31.446 ng

RT: 15.14 min Scan# 2219

Delta R.T. 0.01 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

Instrument :

BNA_F

ClientSampleId :

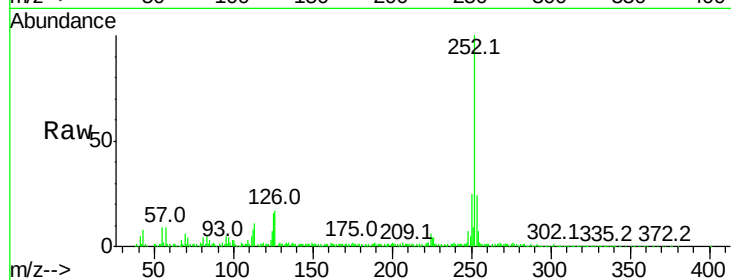
Tot Ion:252 Resp: 494819

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.6

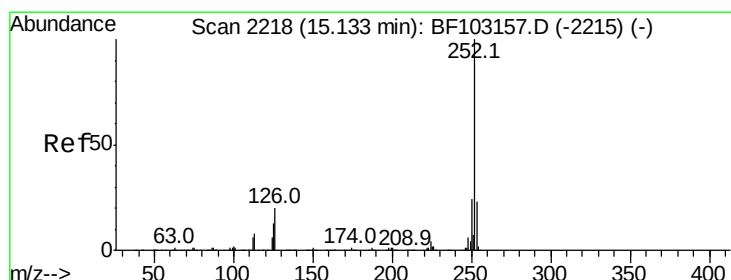
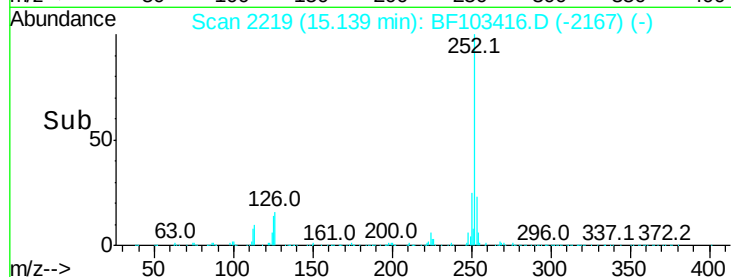
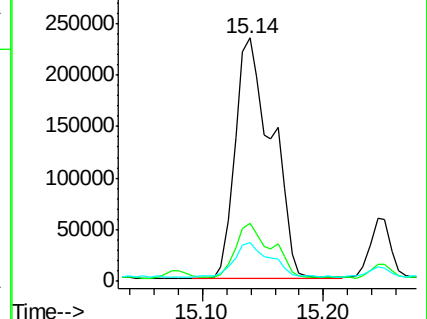
125 15.9 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 33.404 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

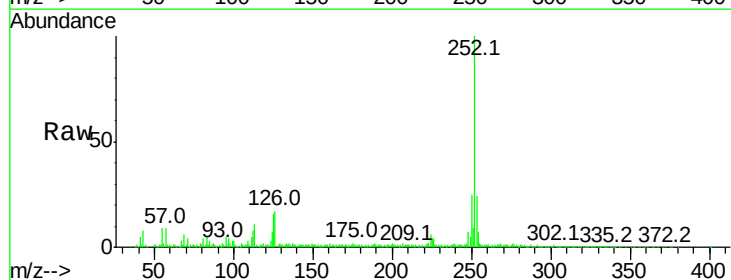
Tgt Ion:252 Resp: 494960

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

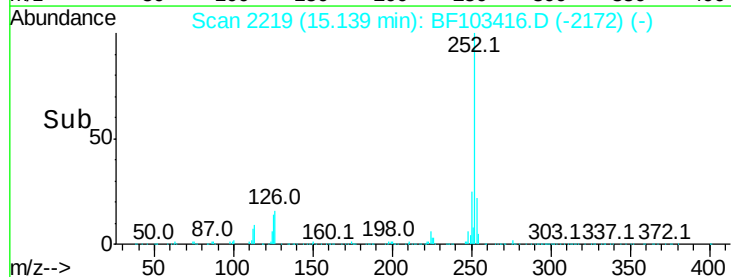
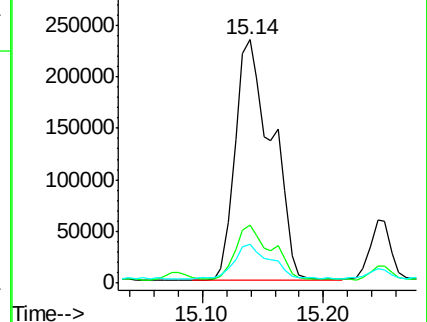
125 15.9 10.2 15.2#

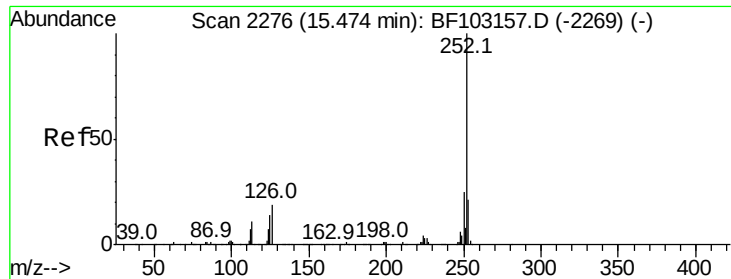


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

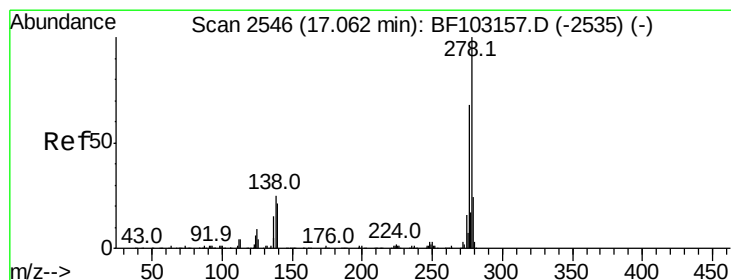
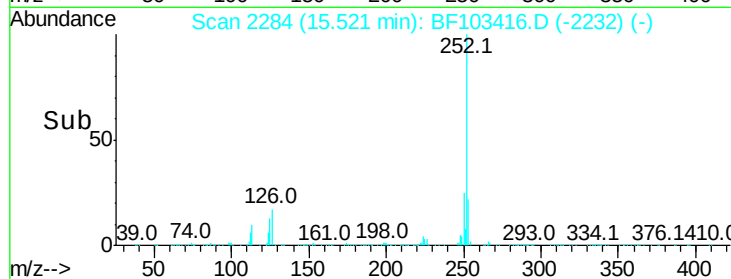
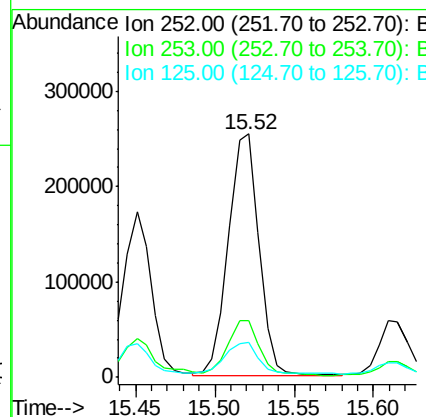
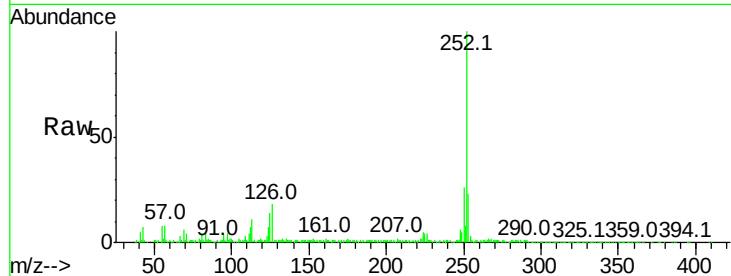




#89
Benzo(a)pyrene
Concen: 24.072 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103416.D
Acq: 5 Mar 2018 18:44

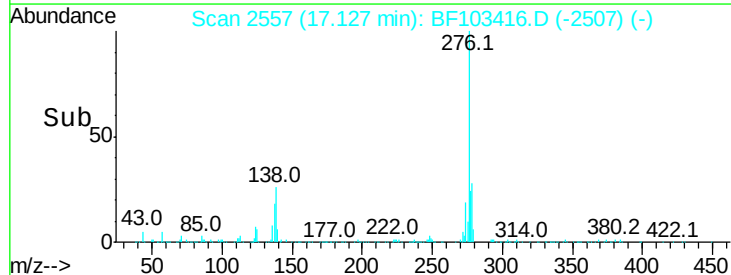
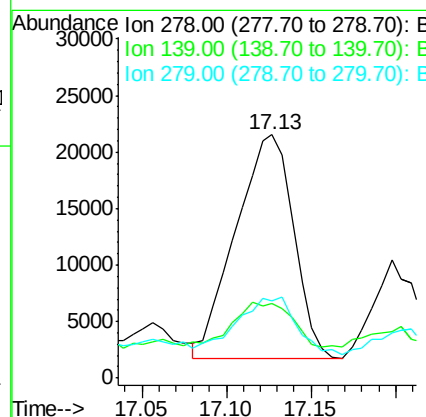
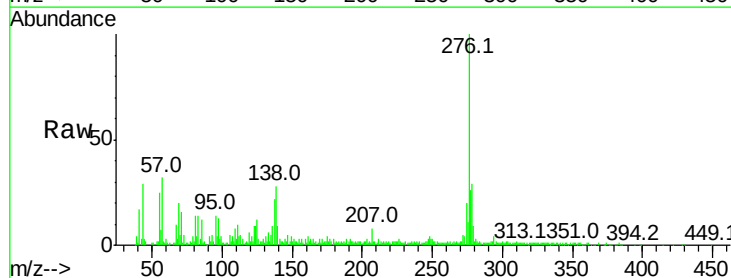
Instrument :
BNA_F
ClientSampleId :

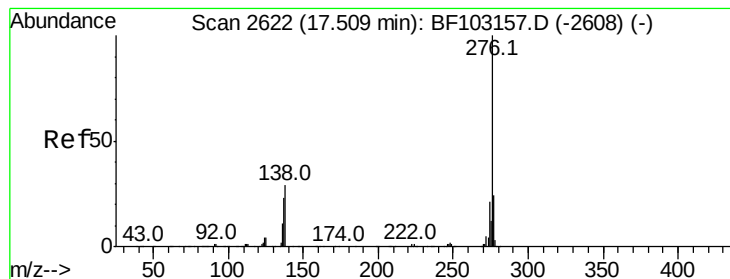
Tot Ion:252 Resp: 338246
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 14.1 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 4.327 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103416.D
Acq: 5 Mar 2018 18:44

Tgt Ion:278 Resp: 46986
Ion Ratio Lower Upper
278 100
139 30.9 15.9 23.9#
279 31.5 19.0 28.4#





#91

Benzo(a,h,i)perylene

Concen: 13.476 ng

RT: 17.60 min Scan# 2637

Delta R.T. 0.01 min

Lab File: BF103416.D

Acq: 5 Mar 2018 18:44

Instrument :

BNA_F

ClientSampleId :

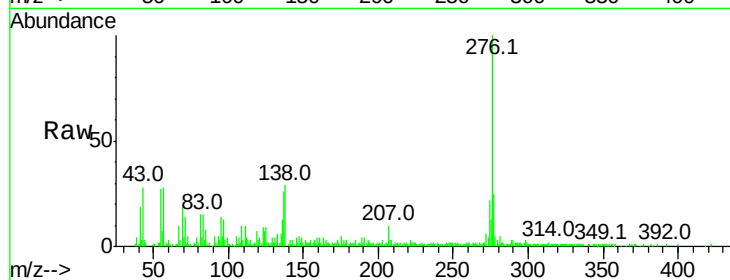
Tot Ion: 276 Resp: 143002

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 29.2 21.8 32.8



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

