

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103381.D
 Acq On : 2 Mar 2018 22:22
 Operator : SJ/JU
 Sample : J1721-15RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-40

Quant Time: Mar 02 23:12:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	146112	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	598255	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	217623	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	294647	20.00	ng	0.00
75) Chrysene-d12	14.07	240	221214	20.00	ng	0.00
86) Perylene-d12	15.58	264	160299	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	979107	101.35	ng	0.00
7) Phenol-d6	6.52	99	1154145	97.63	ng	0.00
23) Nitrobenzene-d5	7.45	82	755392	72.11	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	142355	77.28	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	990857	76.59	ng	0.00
78) Terphenyl-d14	13.00	244	605757	65.83	ng	0.00

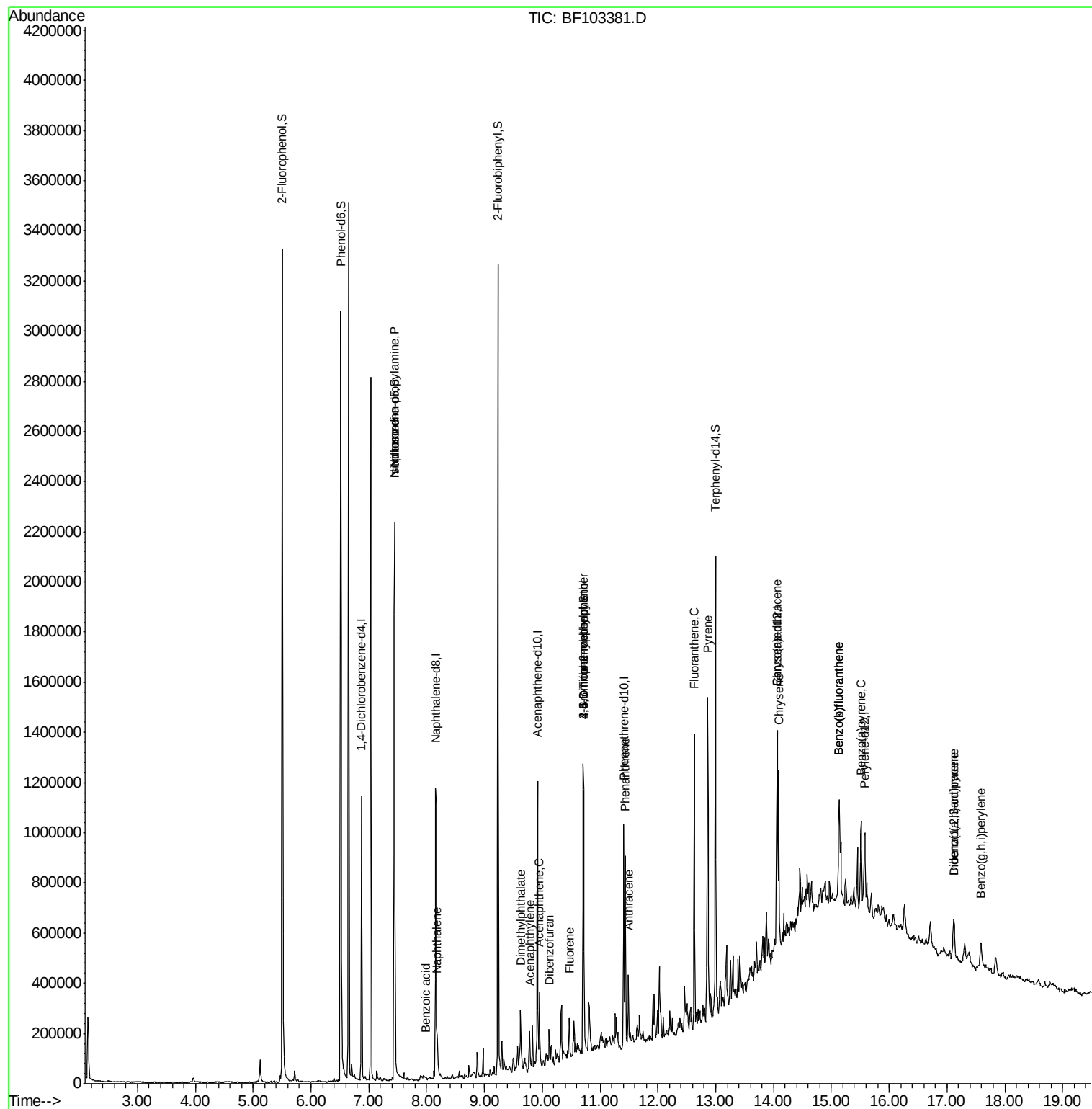
Target Compounds				Qvalue		
9) Benzaldehyde	6.45	77	1413	Below Cal	#	71
19) n-Nitroso-di-n-propylamine	7.45	70	104368	14.186	ng	84
25) Isophorone	7.45	82	755386	36.612	ng	64
31) Naphthalene	8.18	128	79852	2.726	ng	98
32) Benzoic acid	8.00	122	246	6.948	ng	52
48) Acenaphthylene	9.78	152	63870	2.877	ng	99
49) Dimethylphthalate	9.63	163	90509	5.184	ng	99
51) Acenaphthene	9.95	154	57433	4.437	ng	99
54) Dibenzofuran	10.12	168	43146	2.428	ng	96
57) Fluorene	10.47	166	42253	2.792	ng	98
64) 4,6-Dinitro-2-methylphenol	10.72	198	428	5.159	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	9799	3.193	ng	# 1
70) Phenanthrene	11.43	178	247787	15.281	ng	99
71) Anthracene	11.49	178	114690	6.897	ng	98
74) Fluoranthene	12.63	202	462852	28.405	ng	99
77) Pyrene	12.86	202	518756	30.078	ng	100
80) Benzo(a)anthracene	14.06	228	284519	19.823	ng	97
82) Chrysene	14.09	228	257006	18.441	ng	97
85) Indeno(1,2,3-cd)pyrene	17.12	276	86691	7.857	ng	97
87) Benzo(b)fluoranthene	15.13	252	321640	30.518	ng	# 91
88) Benzo(k)fluoranthene	15.13	252	321640	32.408	ng	# 94
89) Benzo(a)pyrene	15.52	252	176739	18.778	ng	# 91
90) Dibenz(a,h)anthracene	17.12	278	23986	3.298	ng	# 71
91) Benzo(g,h,i)perylene	17.59	276	92255	12.979	ng	93

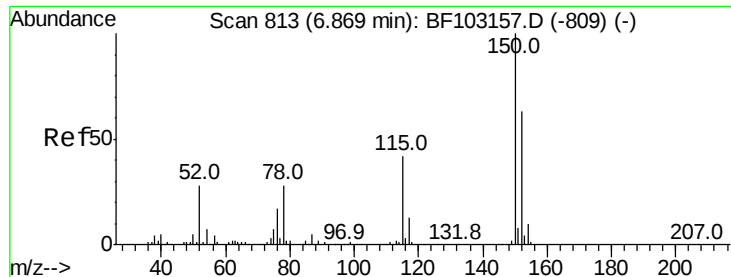
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030218\
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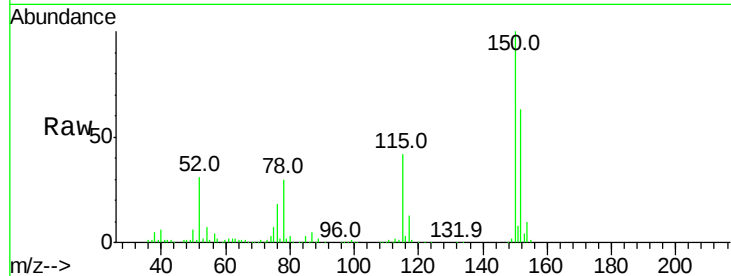


#1

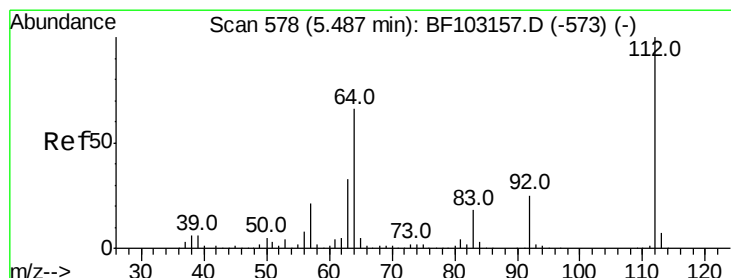
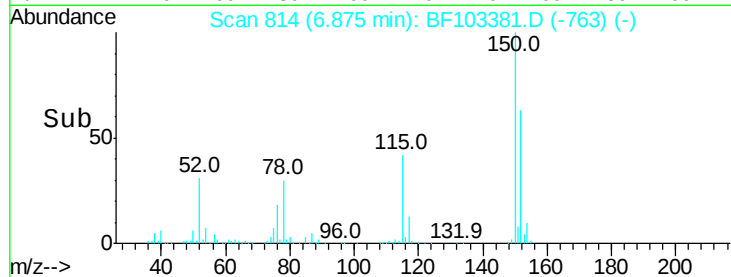
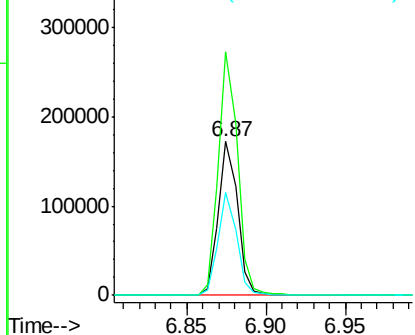
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampleId :
SP-40

Tot Ion:152 Resp: 146112
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 66.9 50.1 75.1



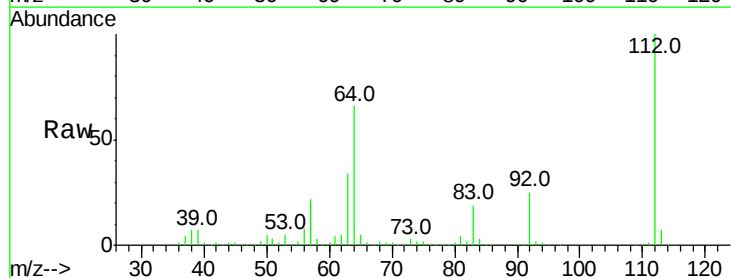
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



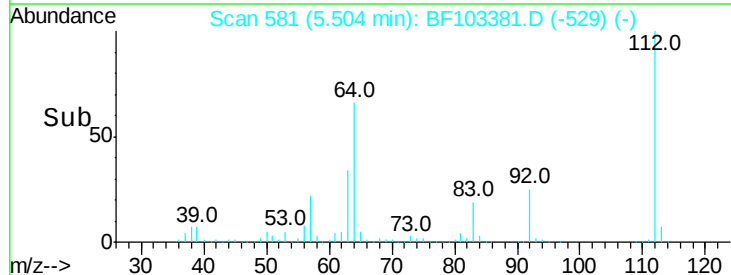
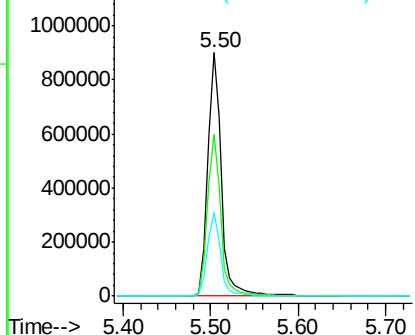
#5

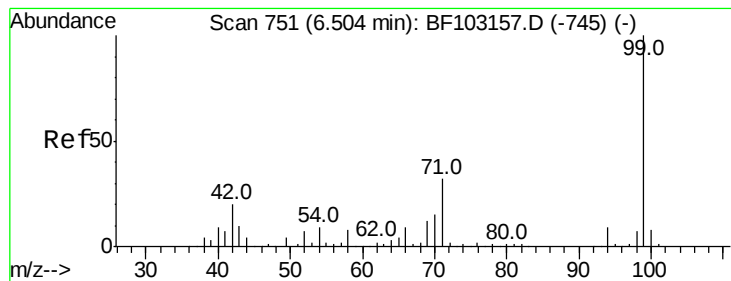
2-Fluorophenol
Concen: 101.349 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion:112 Resp: 979107
Ion Ratio Lower Upper
112 100
64 66.4 47.9 71.9
63 34.4 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: 97.632 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampleId :

SP-40

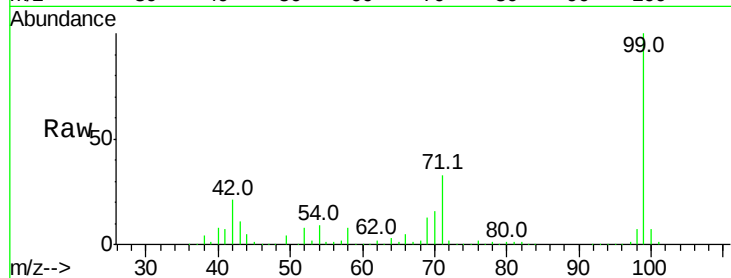
Tot Ion: 99 Resp: 1154145

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

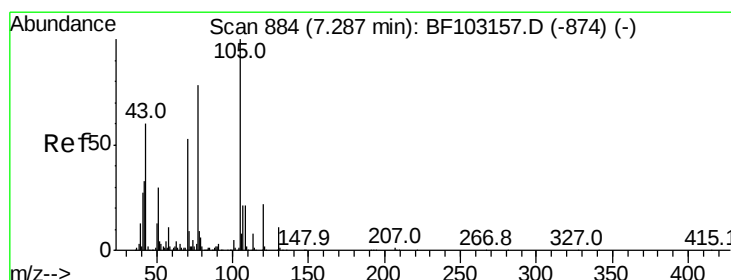
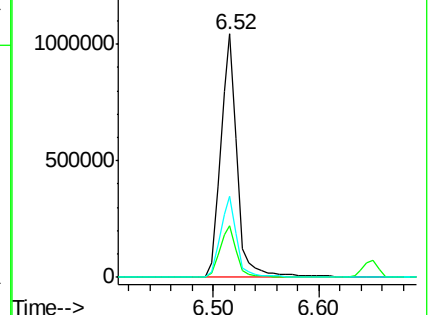
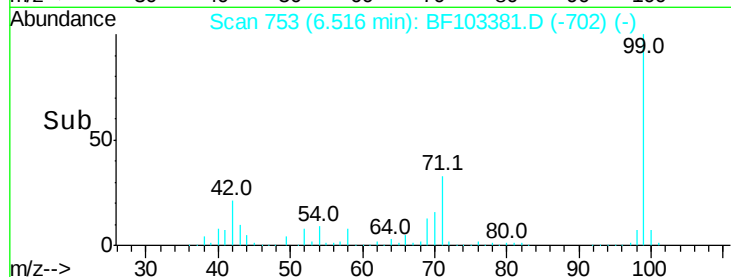
71 33.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.186 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Tgt Ion: 70 Resp: 104368

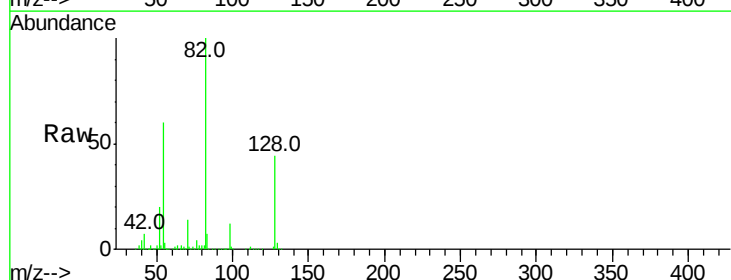
Ion Ratio Lower Upper

70 100

42 54.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

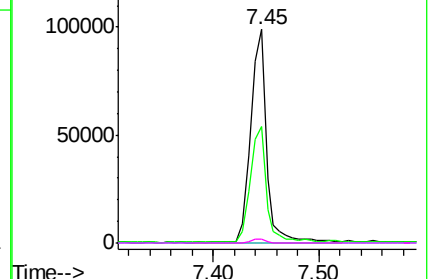
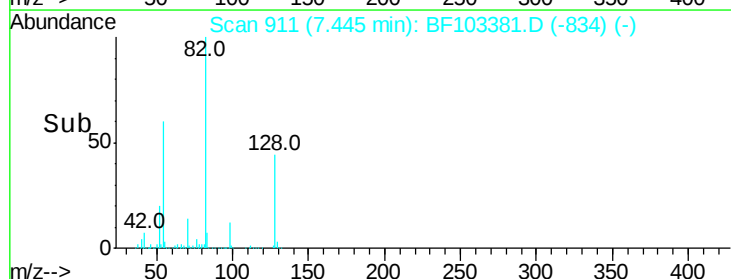


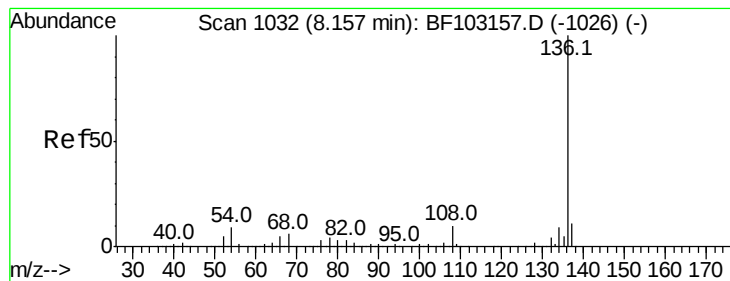
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampleId :

SP-40

Tot Ion:136 Resp: 598255

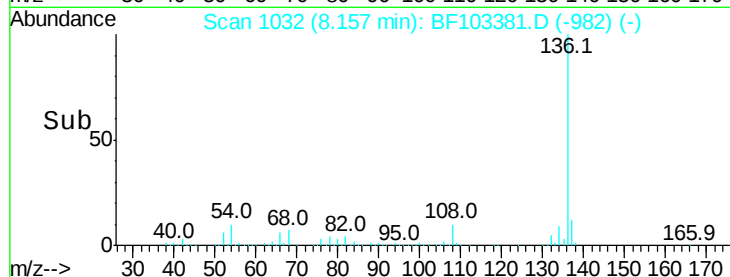
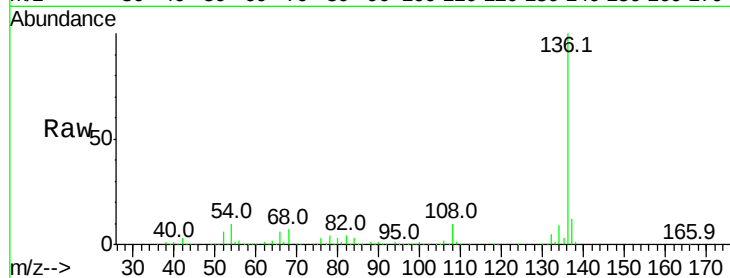
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.0 6.6 9.8#

68 6.6 5.0 7.4

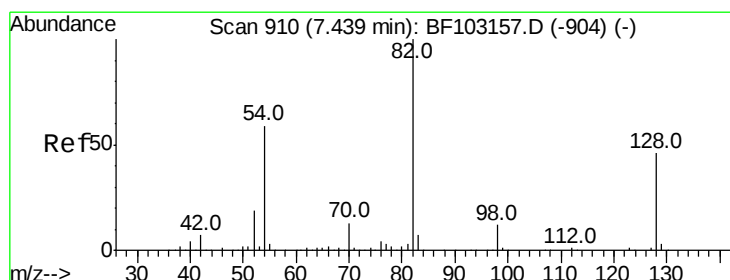
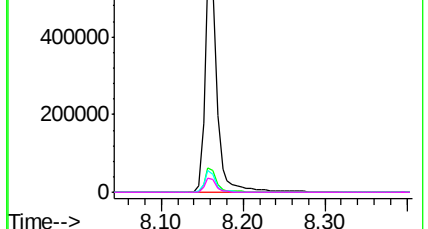


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.108 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

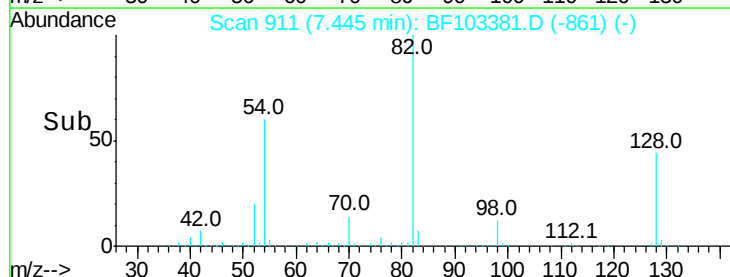
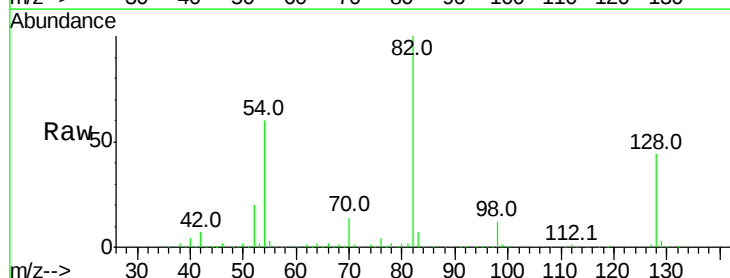
Tgt Ion: 82 Resp: 755392

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

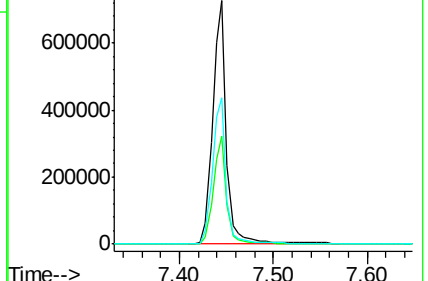
54 59.9 41.4 62.2

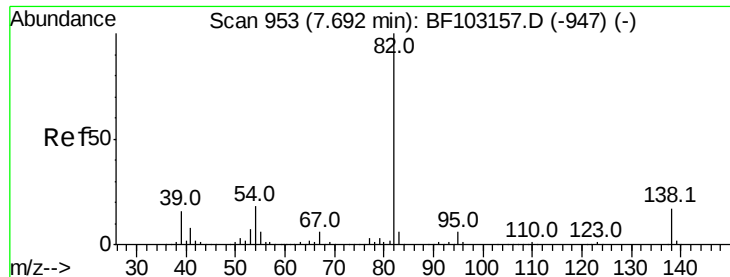


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.612 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampled :

SP-40

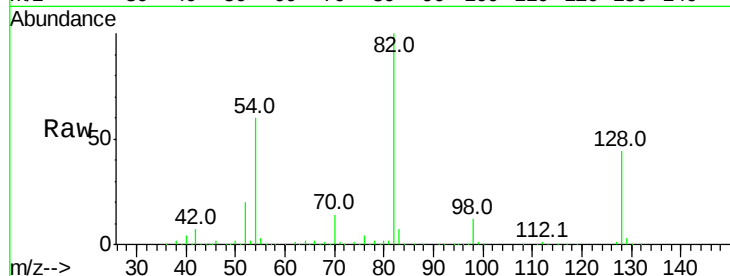
Tot Ion: 82 Resp: 755386

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

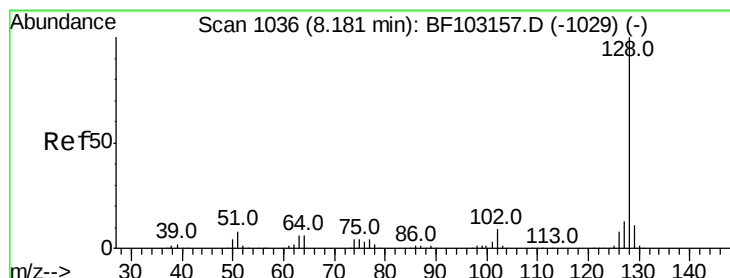
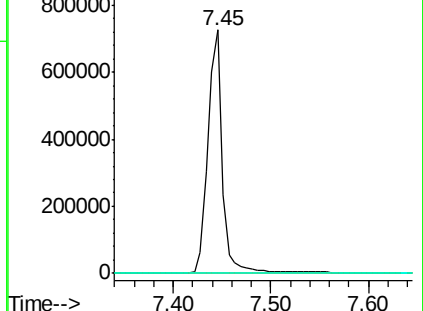
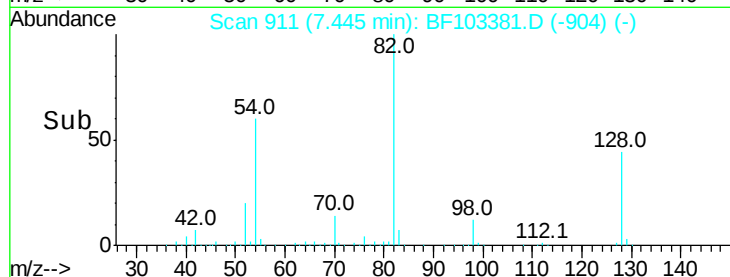
138 0.0 14.9 22.3#



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: 2.726 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

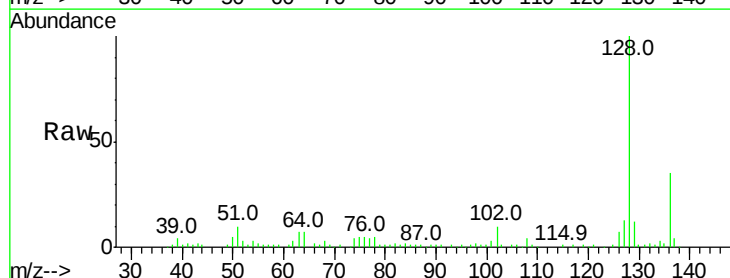
Tgt Ion: 128 Resp: 79852

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

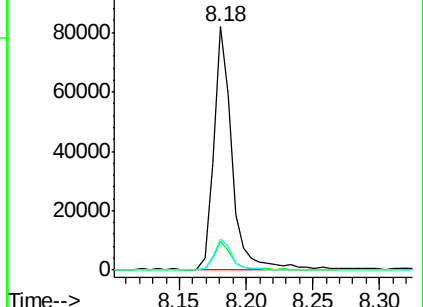
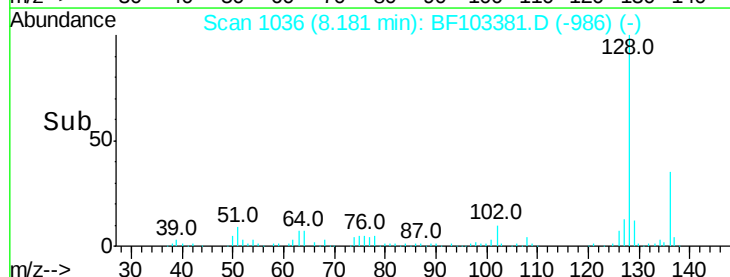
127 12.8 10.9 16.3

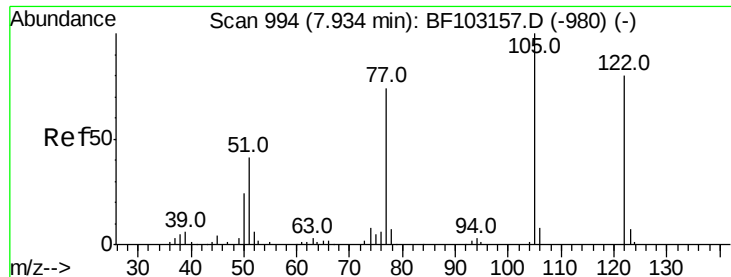


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 6.948 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.04 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampleId :

SP-40

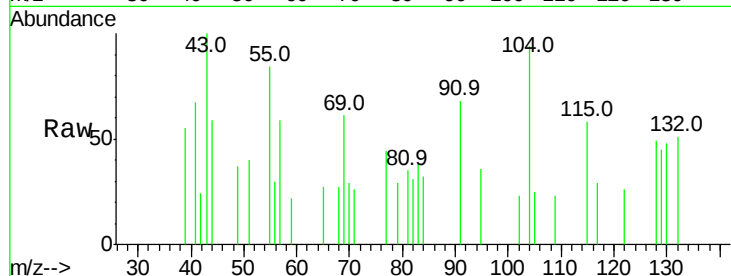
Tot Ion:122 Resp: 246

Ion Ratio Lower Upper

122 100

105 95.5 101.1 141.1#

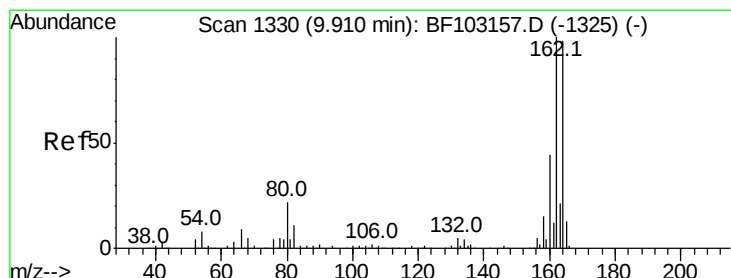
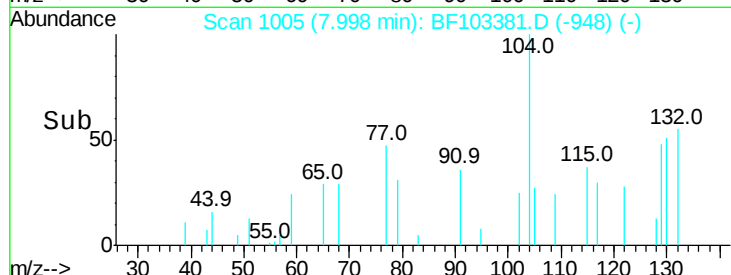
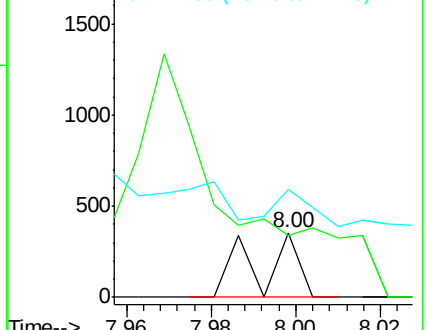
77 167.5 70.7 110.7#



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. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

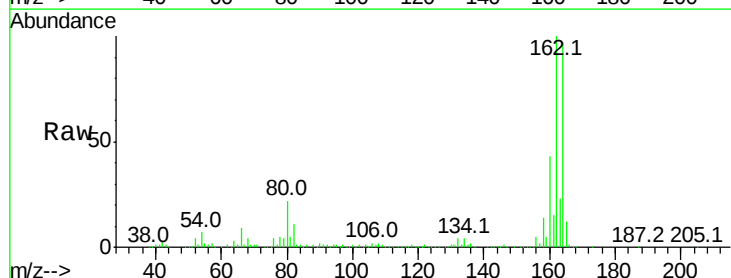
Tgt Ion:164 Resp: 217623

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

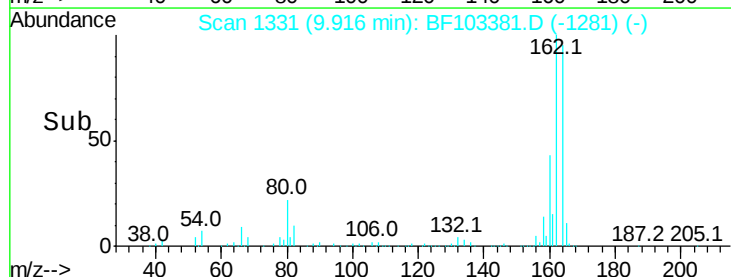
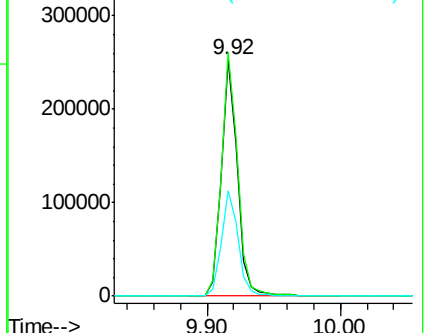
160 44.4 38.3 57.5

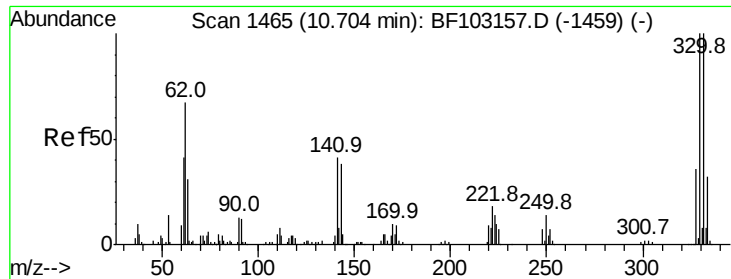


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

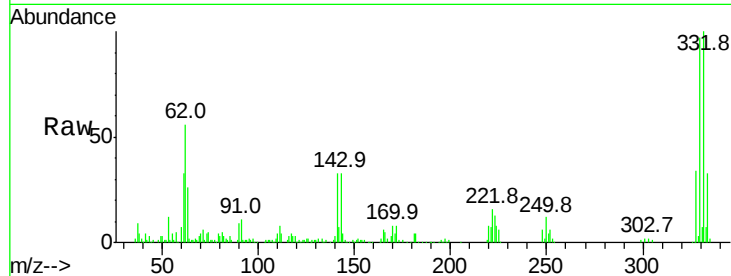




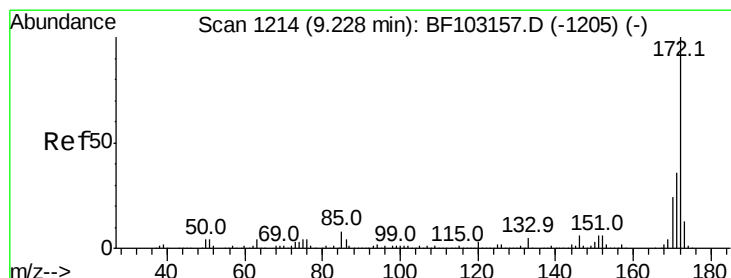
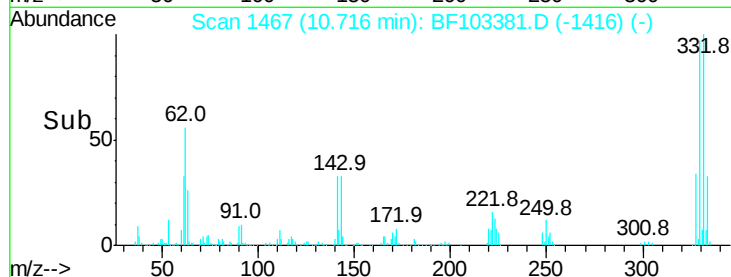
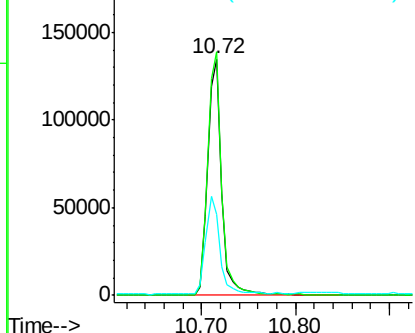
#41
 2,4,6-Tribromophenol
 Concen: 77.280 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103381.D
 Acq: 2 Mar 2018 22:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-40

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.2	77.0	115.6
141	42.1	29.9	44.9

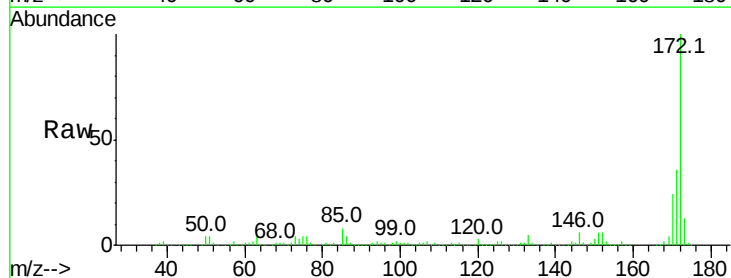


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

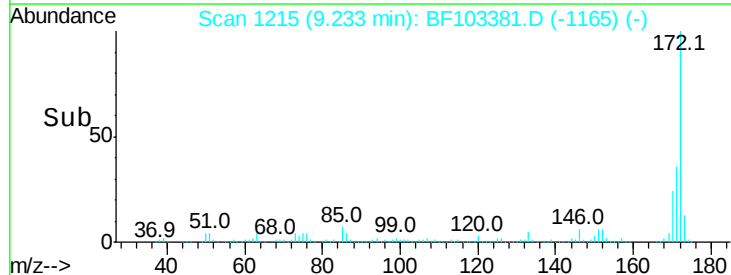
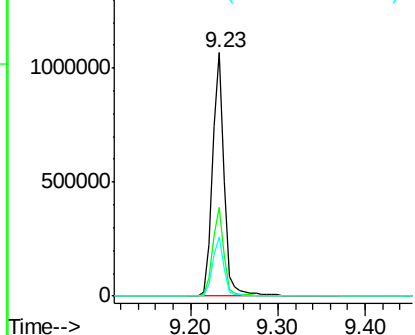


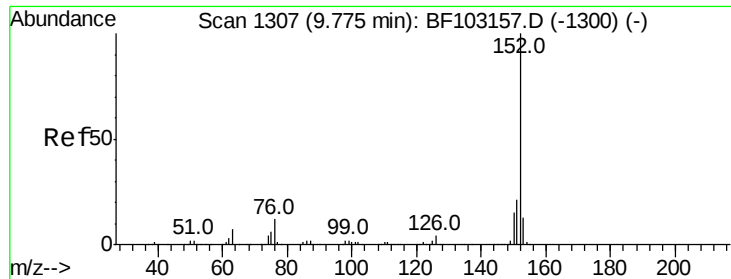
#44
 2-Fluorobiphenyl
 Concen: 76.595 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103381.D
 Acq: 2 Mar 2018 22:22

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

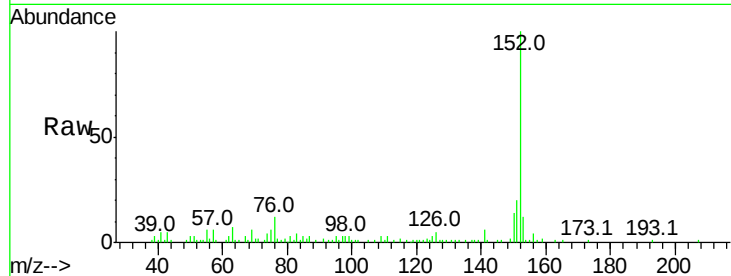




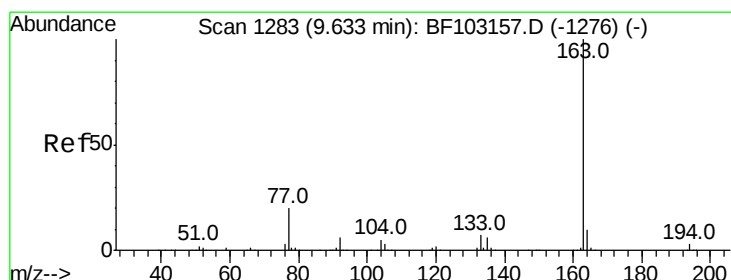
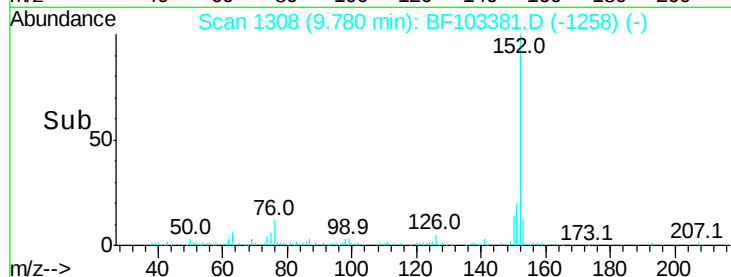
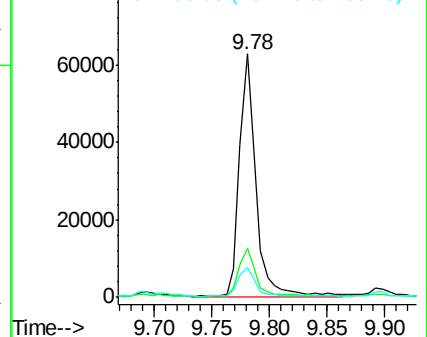
#48
Acenaphthylene
Concen: 2.877 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampleId :
SP-40

Tot Ion:152 Resp: 63870
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 12.4 10.7 16.1

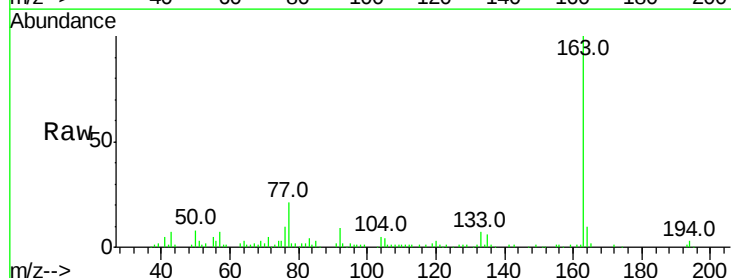


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

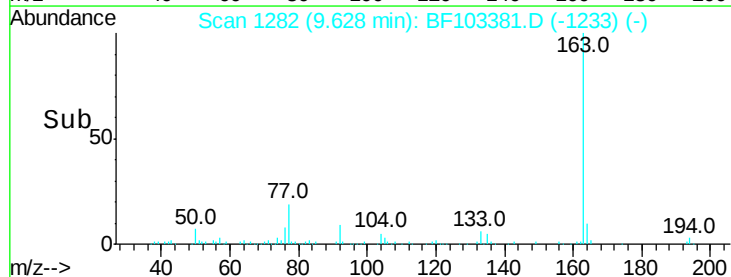
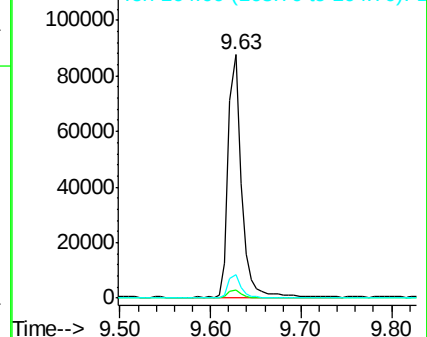


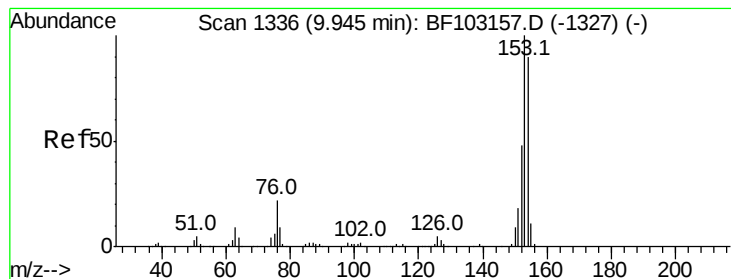
#49
Dimethylphthalate
Concen: 5.184 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion:163 Resp: 90509
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.6 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: 4.437 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampled :

SP-40

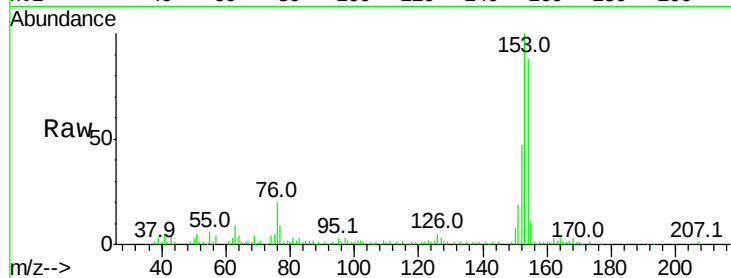
Tot Ion:154 Resp: 57433

Ion Ratio Lower Upper

154 100

153 113.5 91.2 136.8

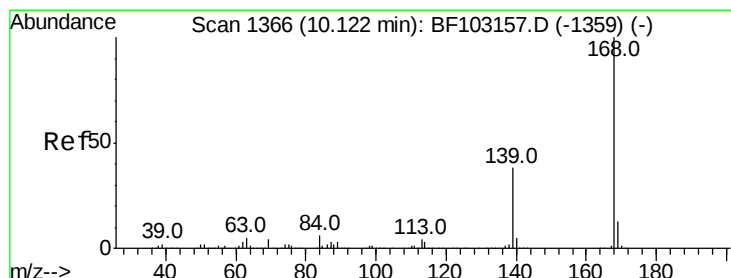
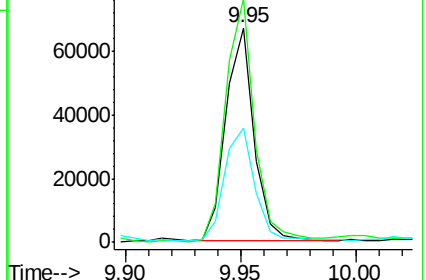
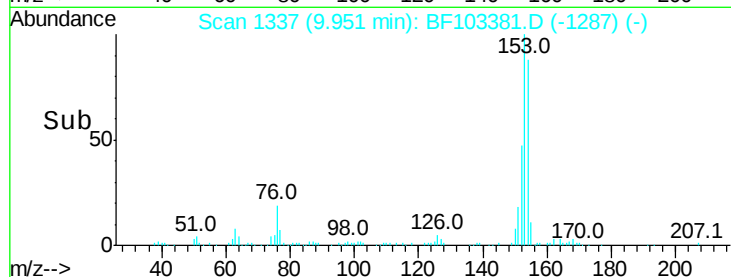
152 53.4 43.8 65.8



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



#54

Dibenzofuran

Concen: 2.428 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

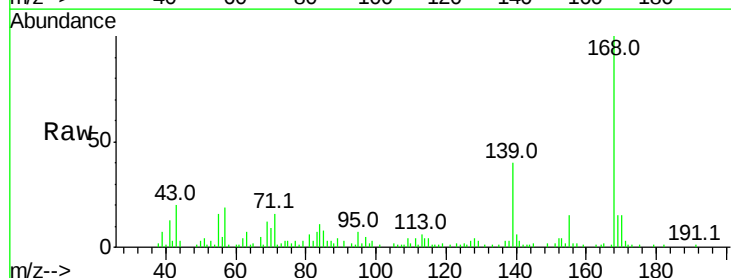
Tgt Ion:168 Resp: 43146

Ion Ratio Lower Upper

168 100

139 39.9 30.1 45.1

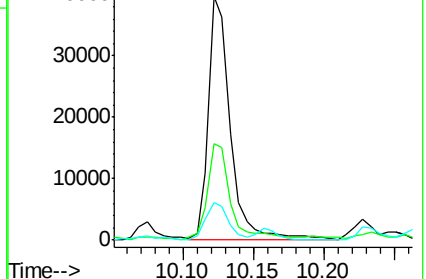
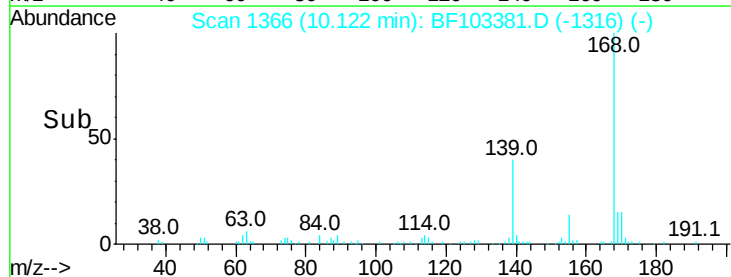
169 15.4 10.9 16.3

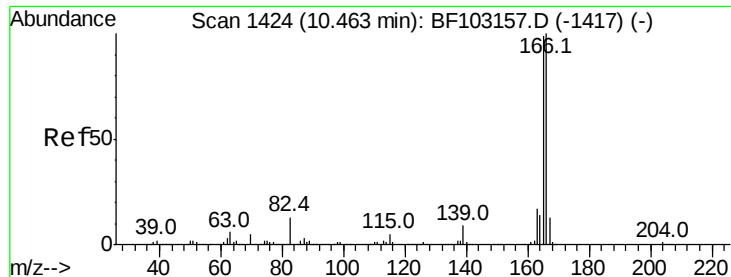


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 2.792 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampleId :

SP-40

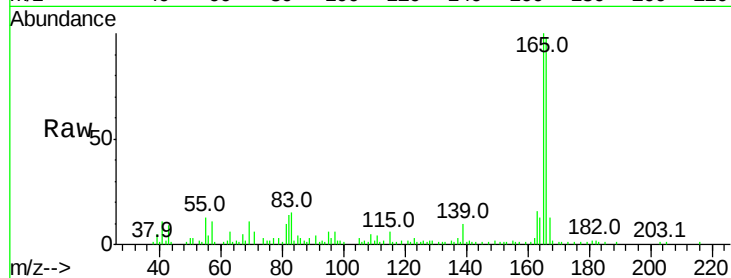
Tot Ion:166 Resp: 42253

Ion Ratio Lower Upper

166 100

165 102.1 79.8 119.8

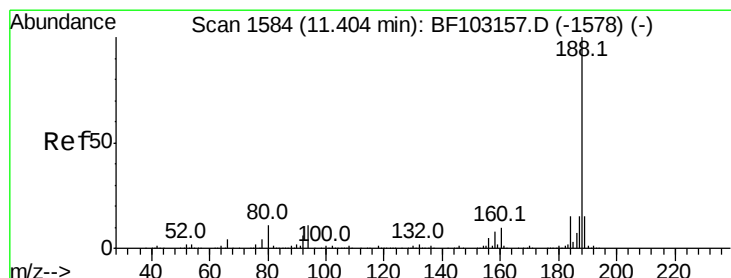
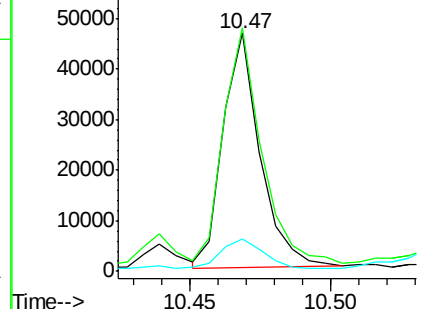
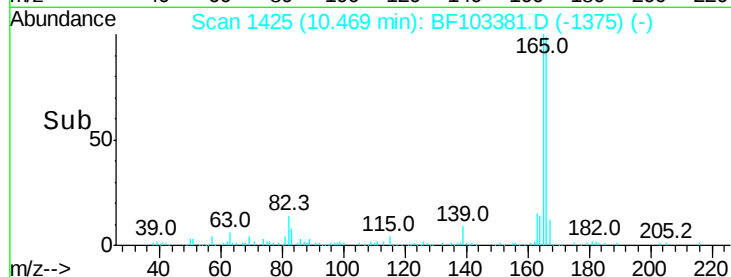
167 13.7 10.6 16.0



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. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

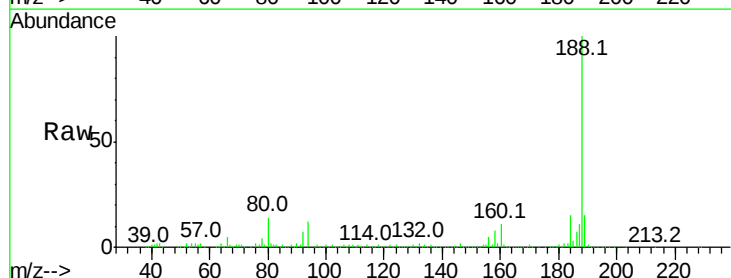
Tgt Ion:188 Resp: 294647

Ion Ratio Lower Upper

188 100

94 12.5 8.5 12.7

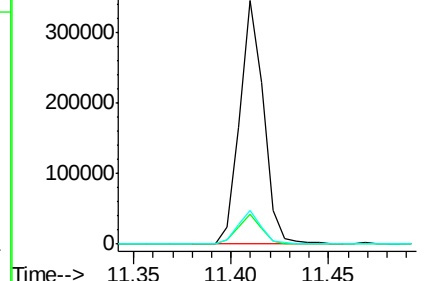
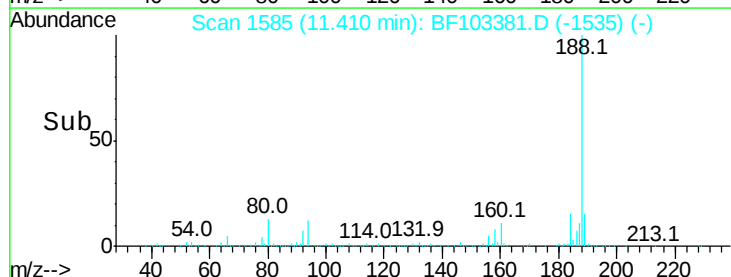
80 13.6 9.2 13.8

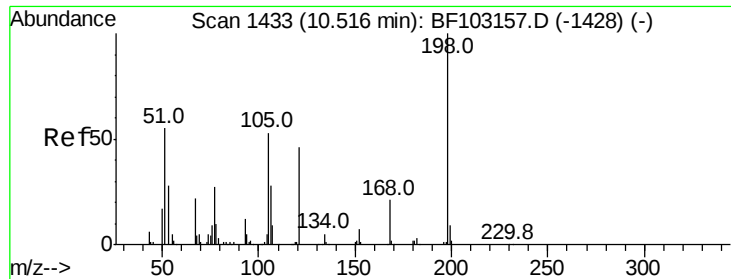


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

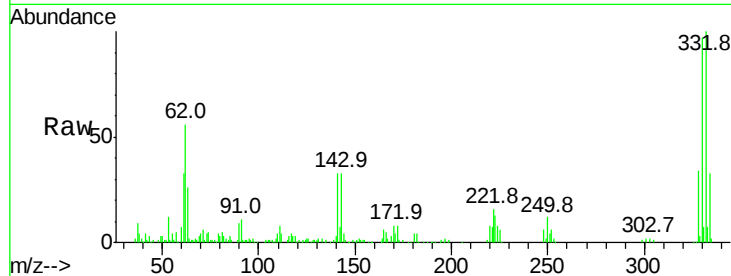




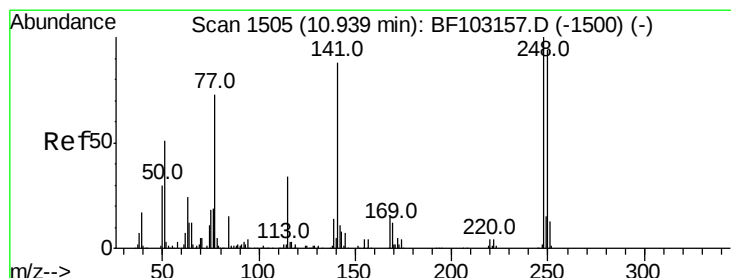
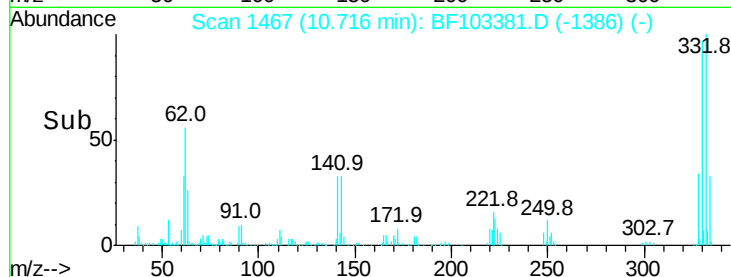
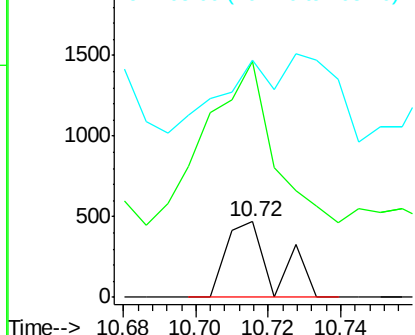
#64
4,6-Dinitro-2-methylphenol
Concen: 5.159 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.18 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Instrument :
BNA_F
ClientSampleId :
SP-40

Tot Ion:198 Resp: 428
Ion Ratio Lower Upper
198 100
51 313.7 37.7 77.7#
105 314.7 36.3 76.3#

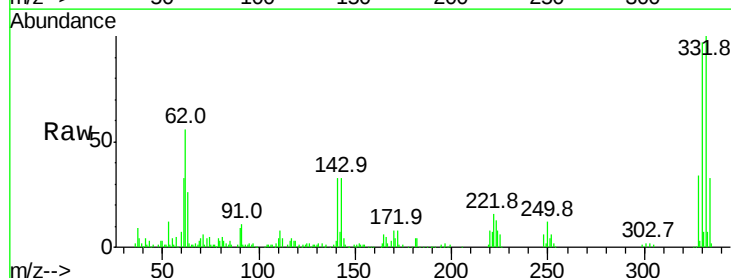


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

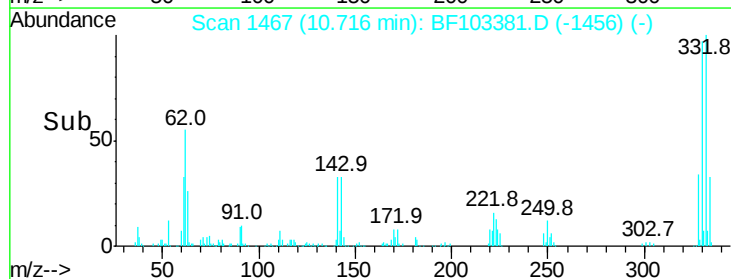
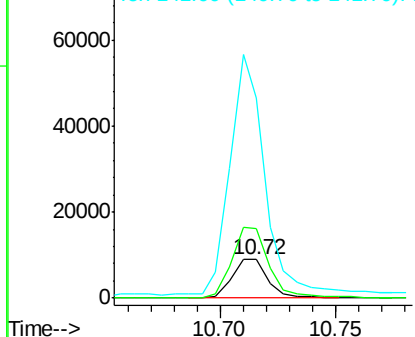


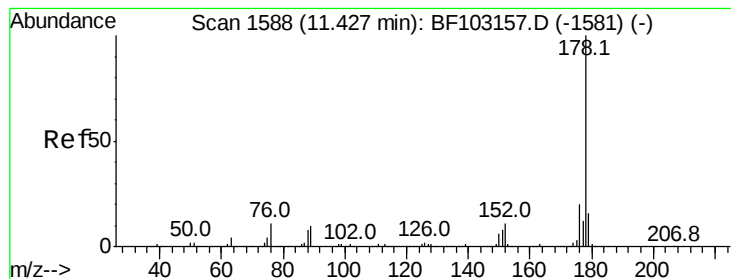
#66
4-Bromophenyl-phenylether
Concen: 3.193 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion:248 Resp: 9799
Ion Ratio Lower Upper
248 100
250 180.5 76.9 115.3#
141 515.3 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 15.281 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

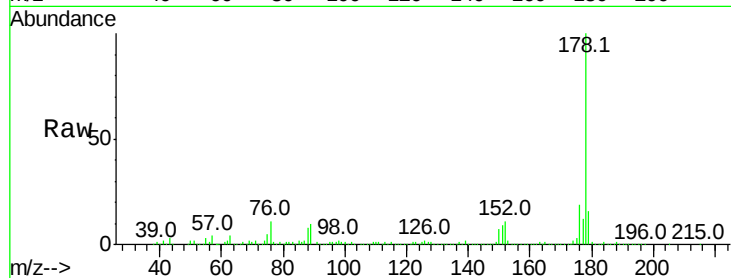
BNA_F

ClientSampleId :

SP-40

Tot Ion:178 Resp: 247787

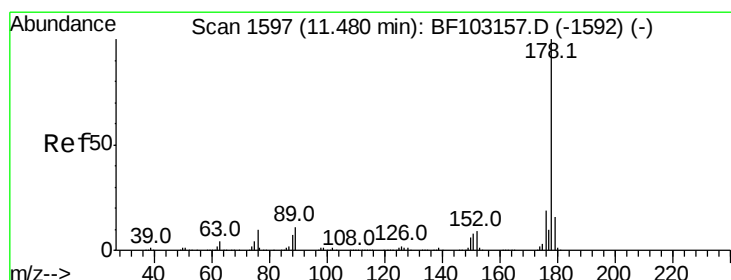
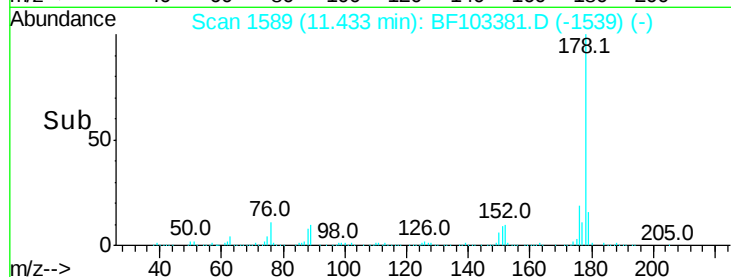
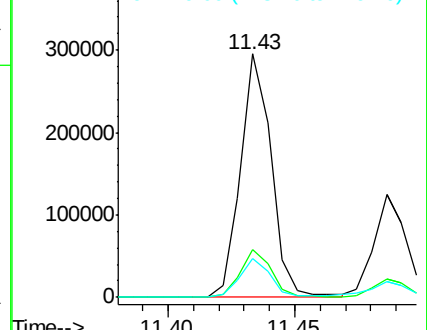
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.9	13.0	19.6



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: 6.897 ng

RT: 11.49 min Scan# 1598

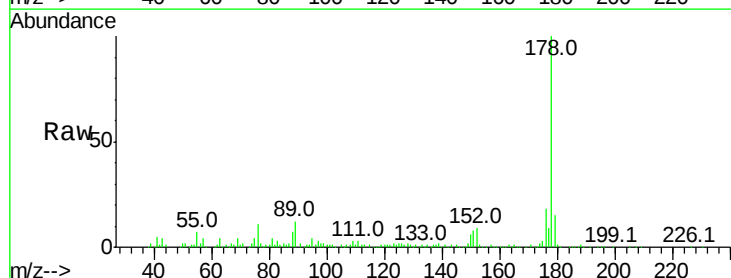
Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Tgt Ion:178 Resp: 114690

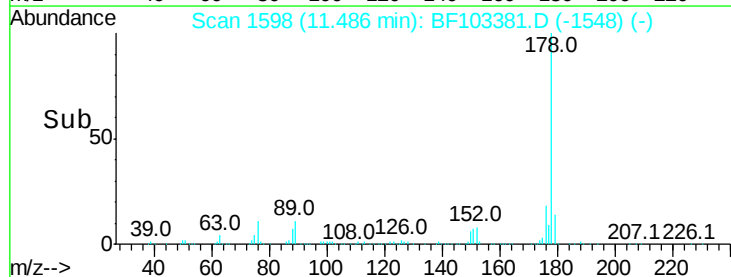
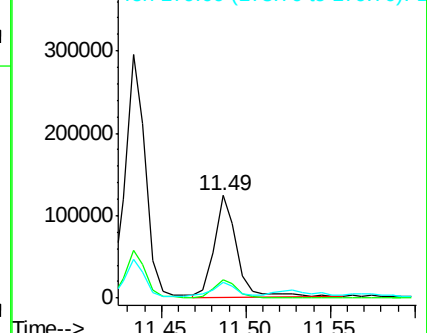
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.3	12.6	19.0

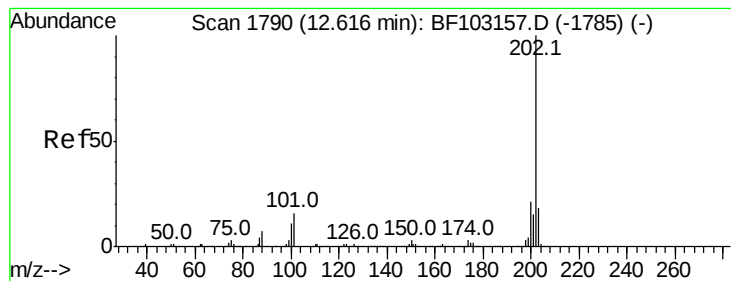


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 28.405 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampleId :

SP-40

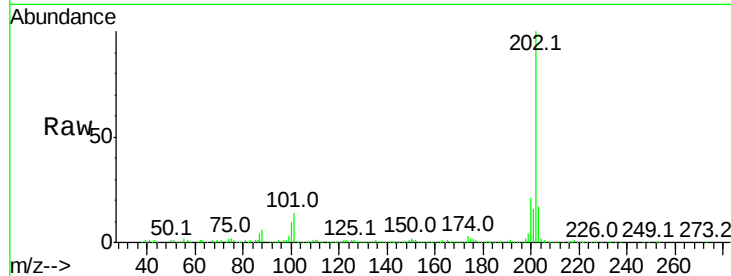
Tot Ion:202 Resp: 462852

Ion Ratio Lower Upper

202 100

101 13.6 0.0 34.1

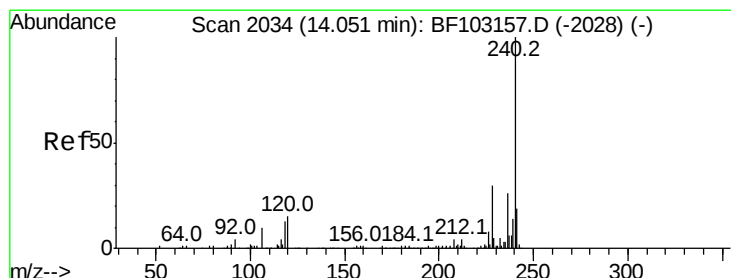
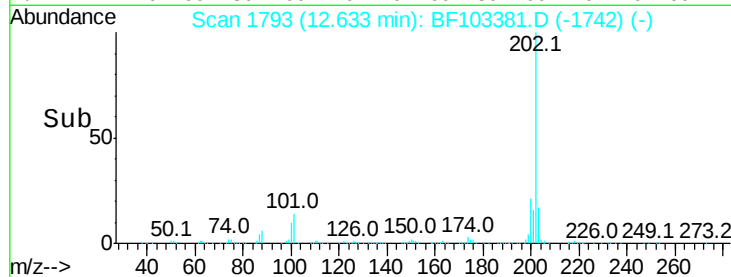
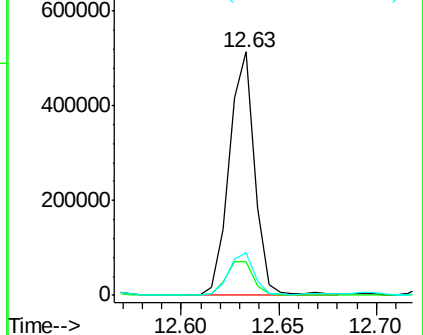
203 17.4 0.0 38.1



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: BF103381.D

Acq: 2 Mar 2018 22:22

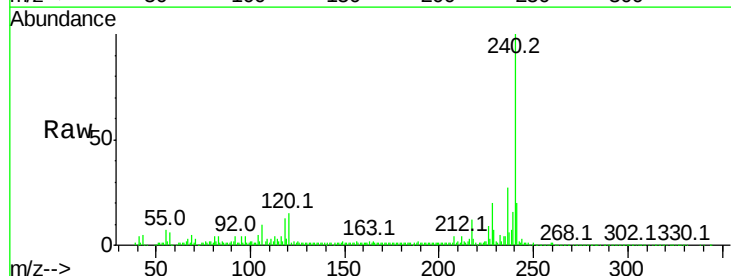
Tgt Ion:240 Resp: 221214

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

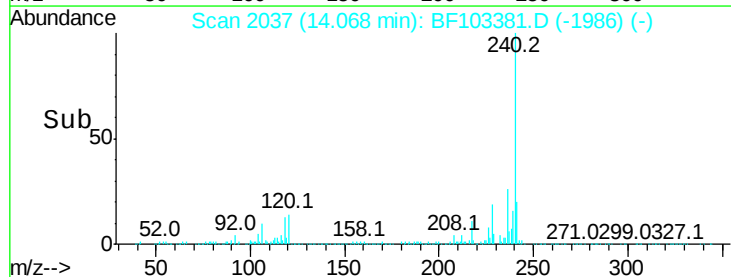
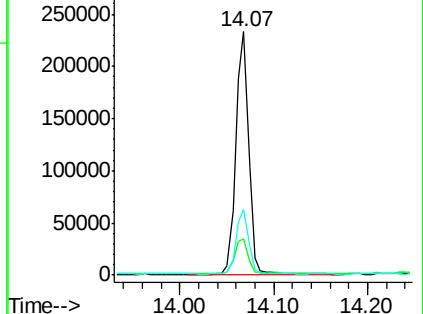
236 26.9 20.7 31.1

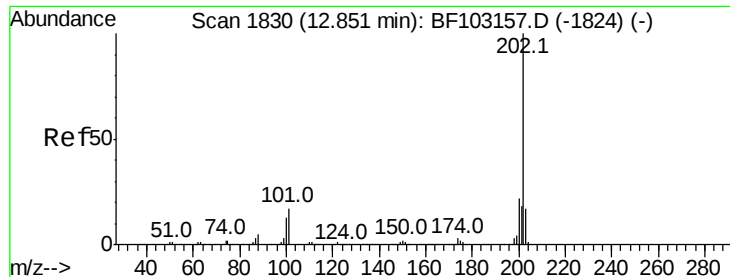


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 30.078 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampleId :

SP-40

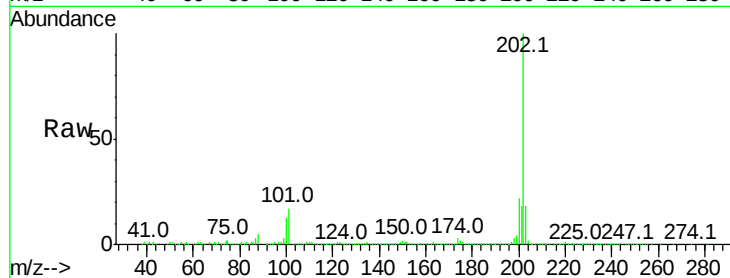
Tot Ion:202 Resp: 518756

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

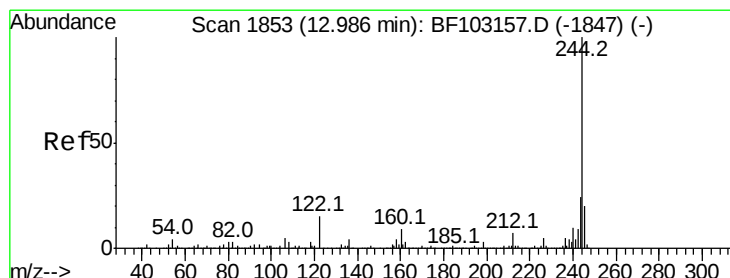
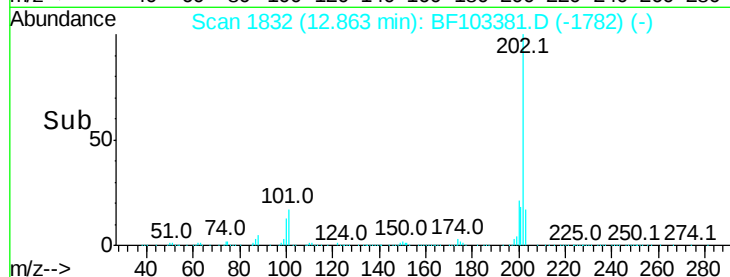
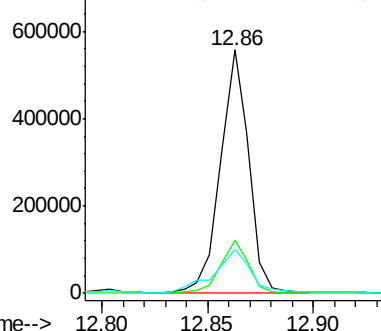
203 17.9 14.3 21.5



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: 65.826 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

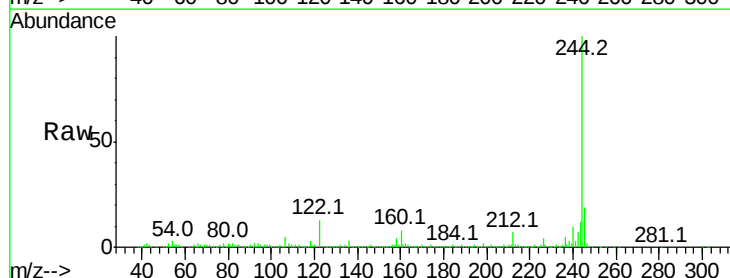
Tgt Ion:244 Resp: 605757

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

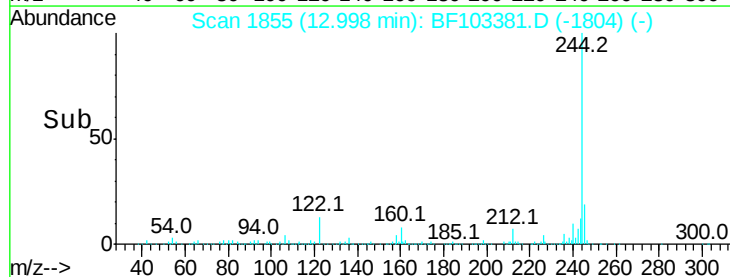
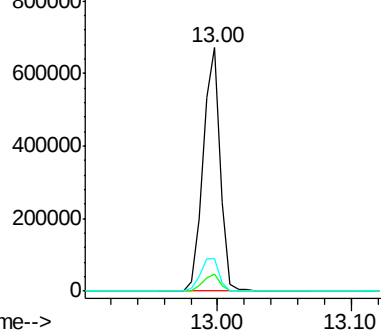
122 13.5 11.0 16.4

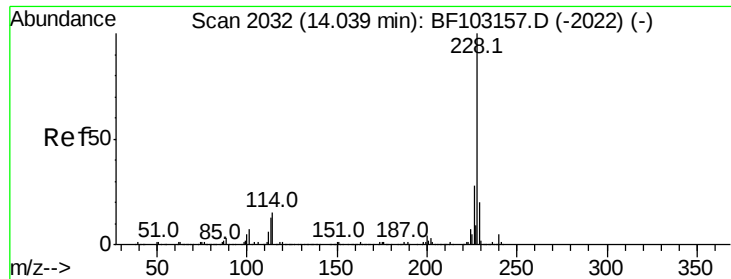


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

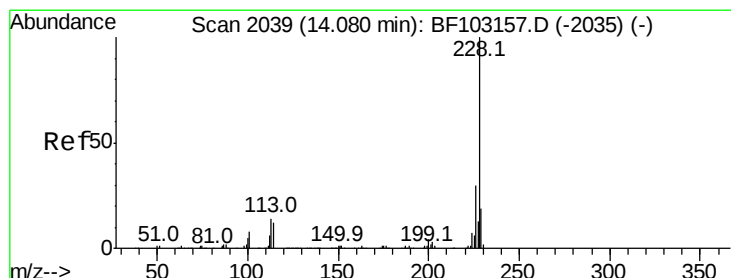
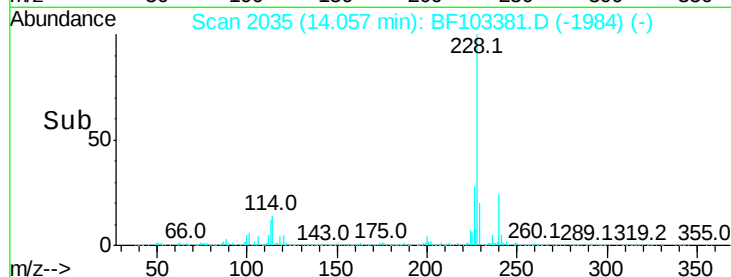
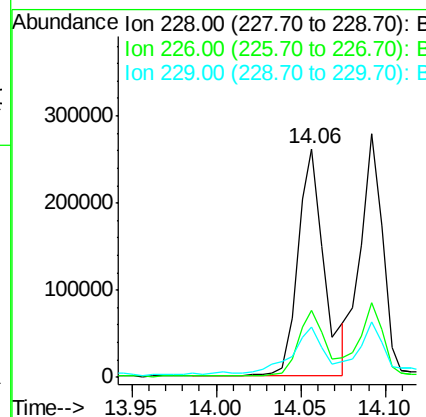
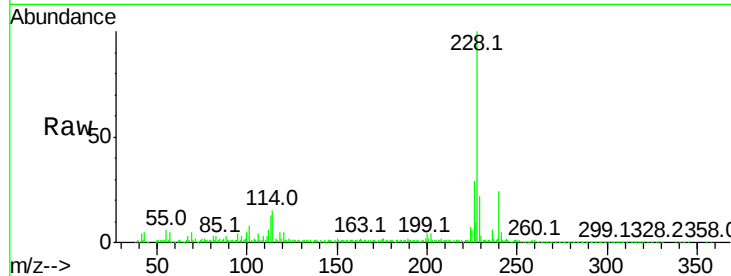




#80
Benzo(a)anthracene
Concen: 19.823 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

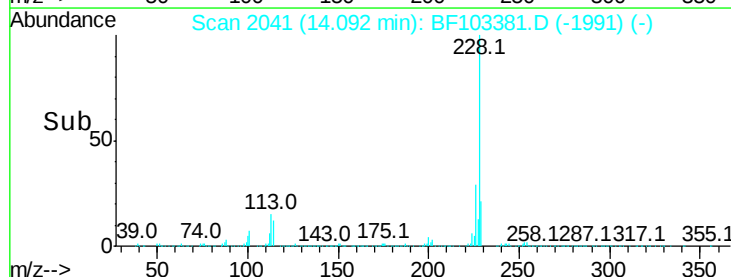
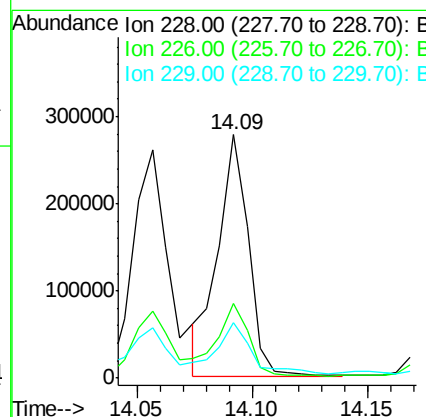
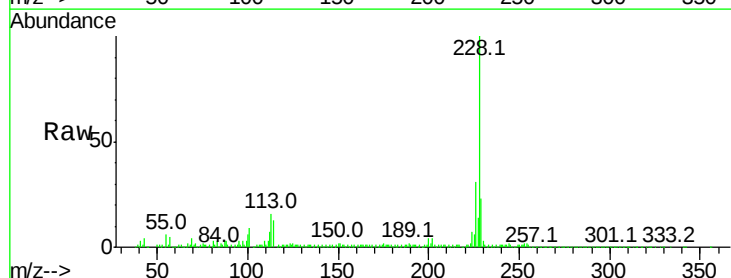
Instrument :
BNA_F
ClientSampleId :
SP-40

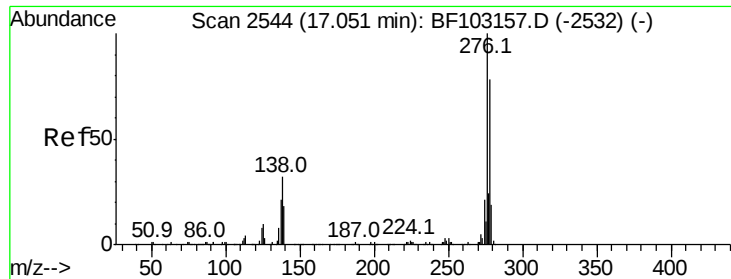
Tot Ion:228 Resp: 284519
Ion Ratio Lower Upper
228 100
226 29.2 22.6 33.8
229 22.2 15.8 23.6



#82
Chrysene
Concen: 18.441 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103381.D
Acq: 2 Mar 2018 22:22

Tgt Ion:228 Resp: 257006
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 22.9 16.2 24.4

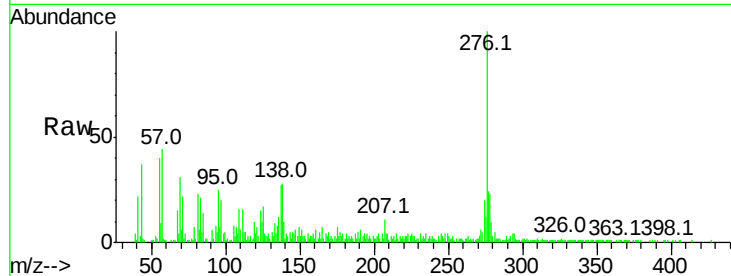




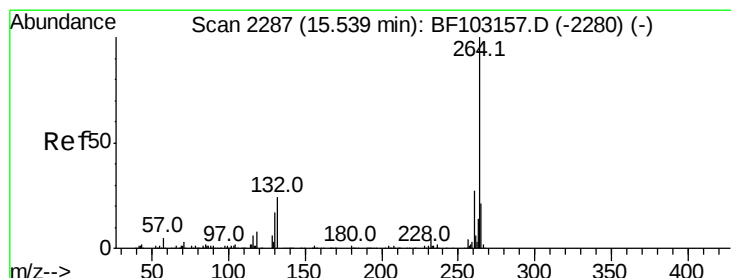
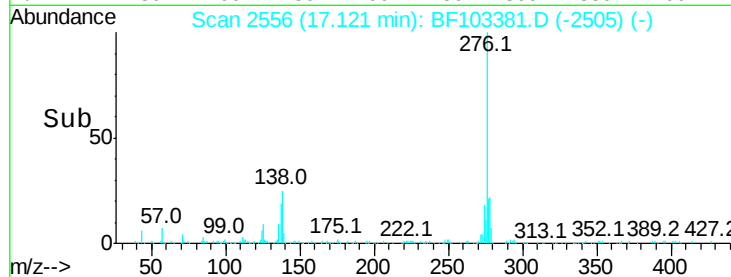
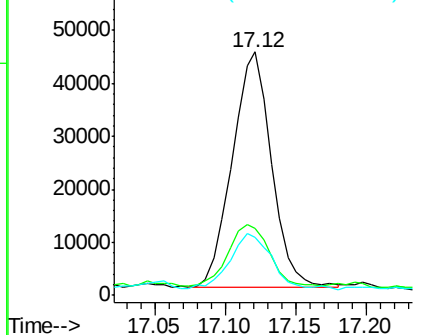
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.857 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. 0.00 min
 Lab File: BF103381.D
 Acq: 2 Mar 2018 22:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-40

Tot Ion:276 Resp: 86691
 Ion Ratio Lower Upper
 276 100
 138 28.6 25.0 37.6
 277 24.5 20.1 30.1

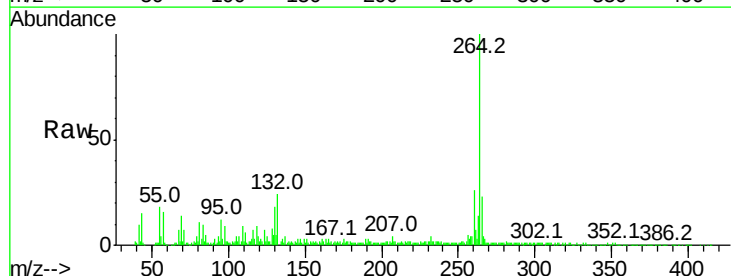


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

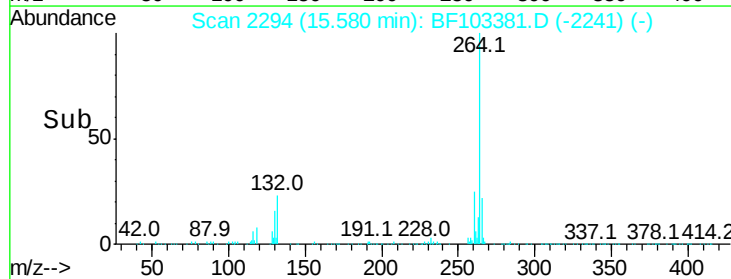
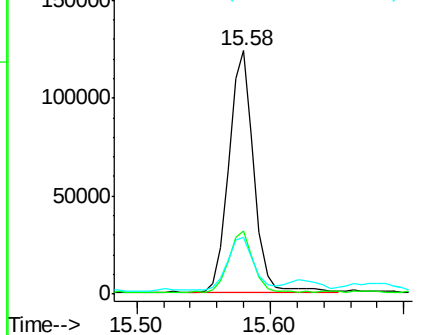


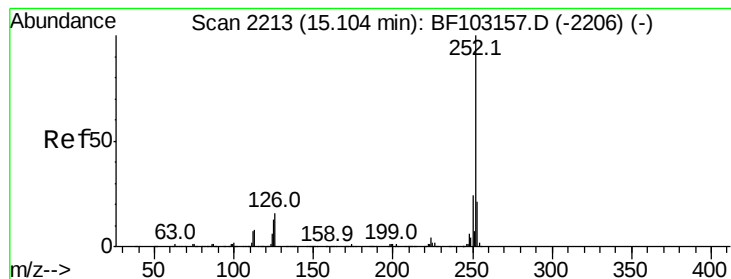
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF103381.D
 Acq: 2 Mar 2018 22:22

Tgt Ion:264 Resp: 160299
 Ion Ratio Lower Upper
 264 100
 260 25.8 19.2 28.8
 265 23.2 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: 30.518 ng

RT: 15.13 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampleId :

SP-40

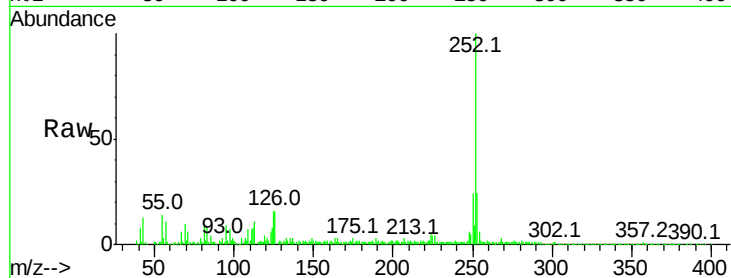
Tot Ion:252 Resp: 321640

Ion Ratio Lower Upper

252 100

253 24.4 17.0 25.6

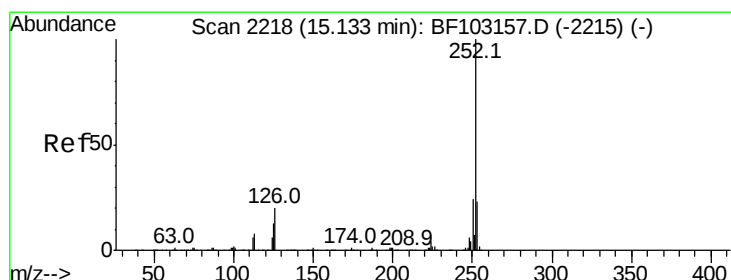
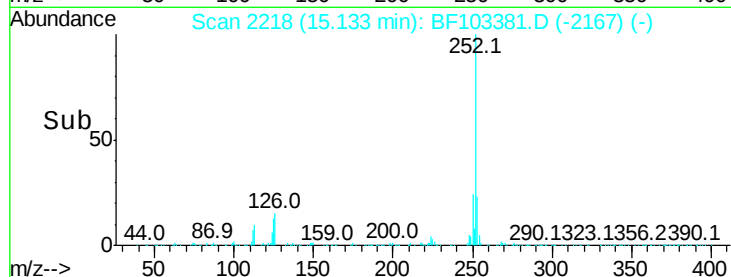
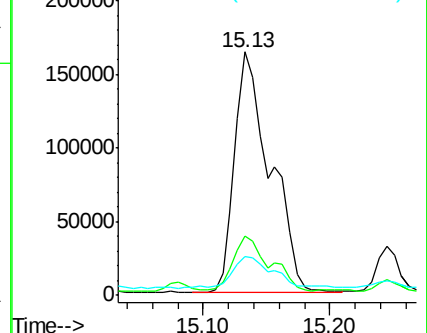
125 16.1 9.0 13.6#



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: 32.408 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.03 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

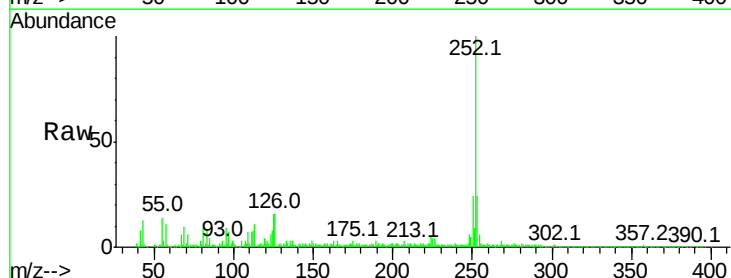
Tgt Ion:252 Resp: 321640

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

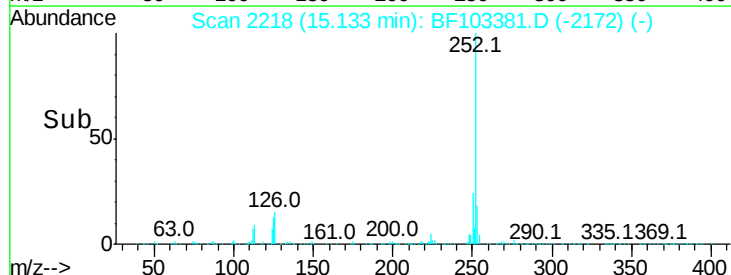
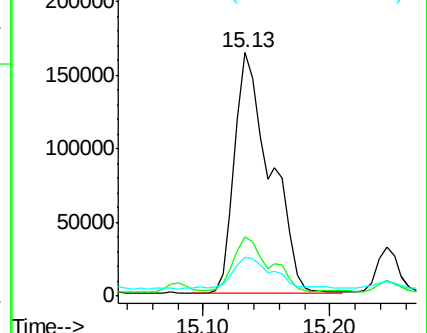
125 16.1 10.2 15.2#

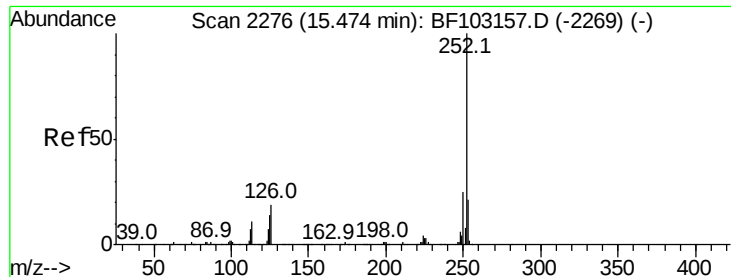


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 18.778 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

Instrument :

BNA_F

ClientSampleId :

SP-40

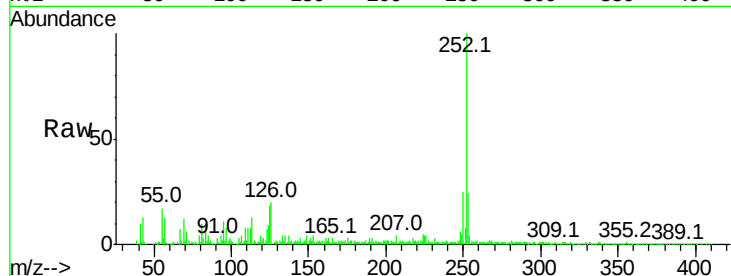
Tot Ion:252 Resp: 176739

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

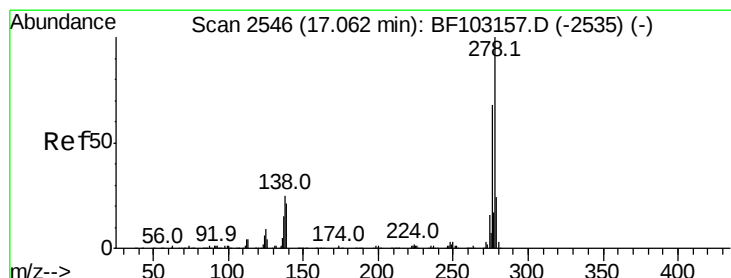
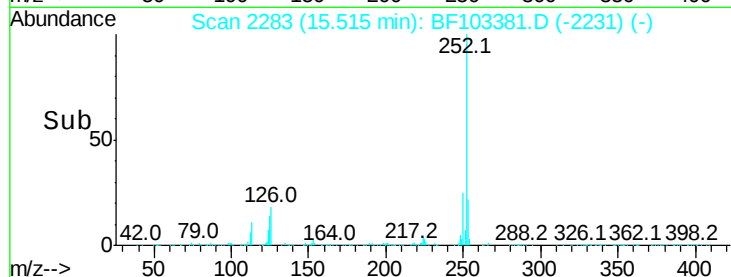
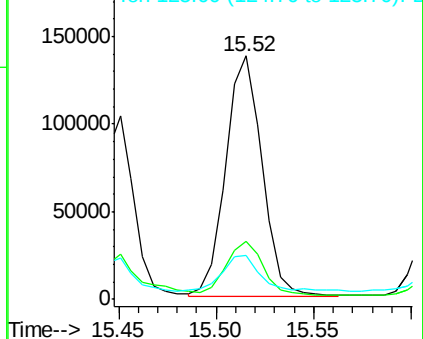
125 18.0 9.8 14.6#



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: 3.298 ng

RT: 17.12 min Scan# 2555

Delta R.T. -0.01 min

Lab File: BF103381.D

Acq: 2 Mar 2018 22:22

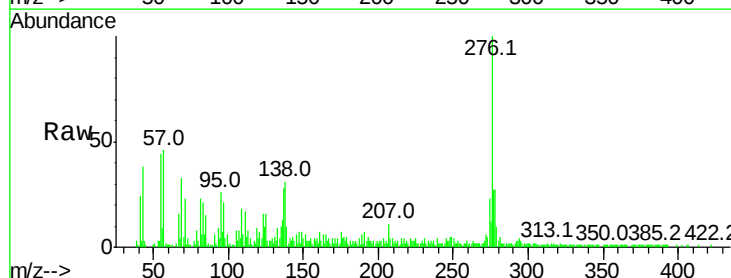
Tgt Ion:278 Resp: 23986

Ion Ratio Lower Upper

278 100

139 35.7 15.9 23.9#

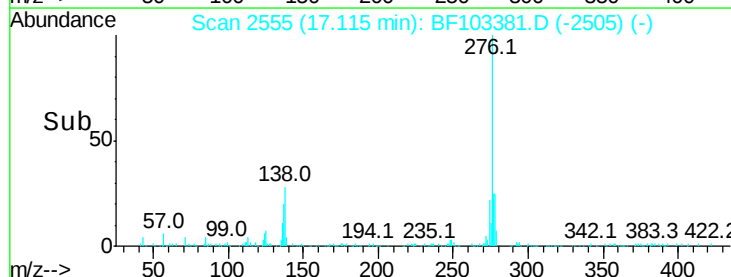
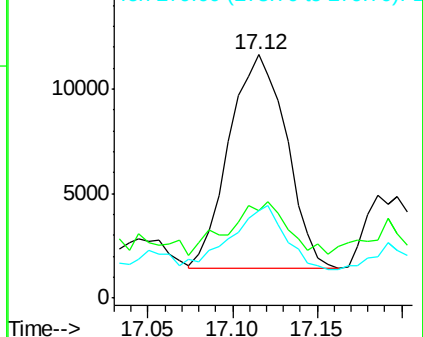
279 36.1 19.0 28.4#

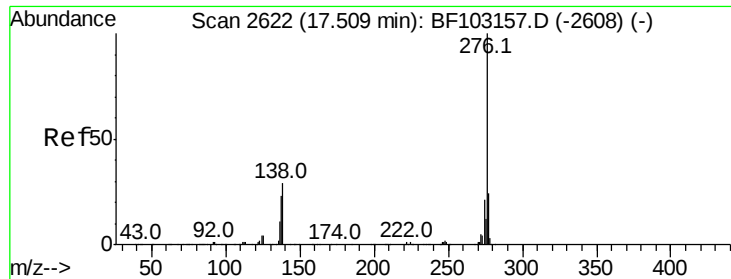


Abundance Ion 278.00 (277.70 to 278.70): E

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: 12.979 ng
 RT: 17.59 min Scan# 2635
 Delta R.T. 0.01 min
 Lab File: BF103381.D
 Acq: 2 Mar 2018 22:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-40

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	31.0	21.8	32.8

