

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103387.D
 Acq On : 3 Mar 2018 1:00
 Operator : SJ/JU
 Sample : J1724-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-13

Quant Time: Mar 03 02:48:49 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	152779	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	644618	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	239764	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	344772	20.00	ng	0.00
75) Chrysene-d12	14.07	240	220205	20.00	ng	0.00
86) Perylene-d12	15.58	264	170317	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1034945	102.45	ng	0.00
7) Phenol-d6	6.52	99	1247150	100.90	ng	0.00
23) Nitrobenzene-d5	7.45	82	784778	69.53	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	167360	82.46	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1053144	73.18	ng	0.00
78) Terphenyl-d14	13.00	244	683568	74.62	ng	0.00

Target Compounds

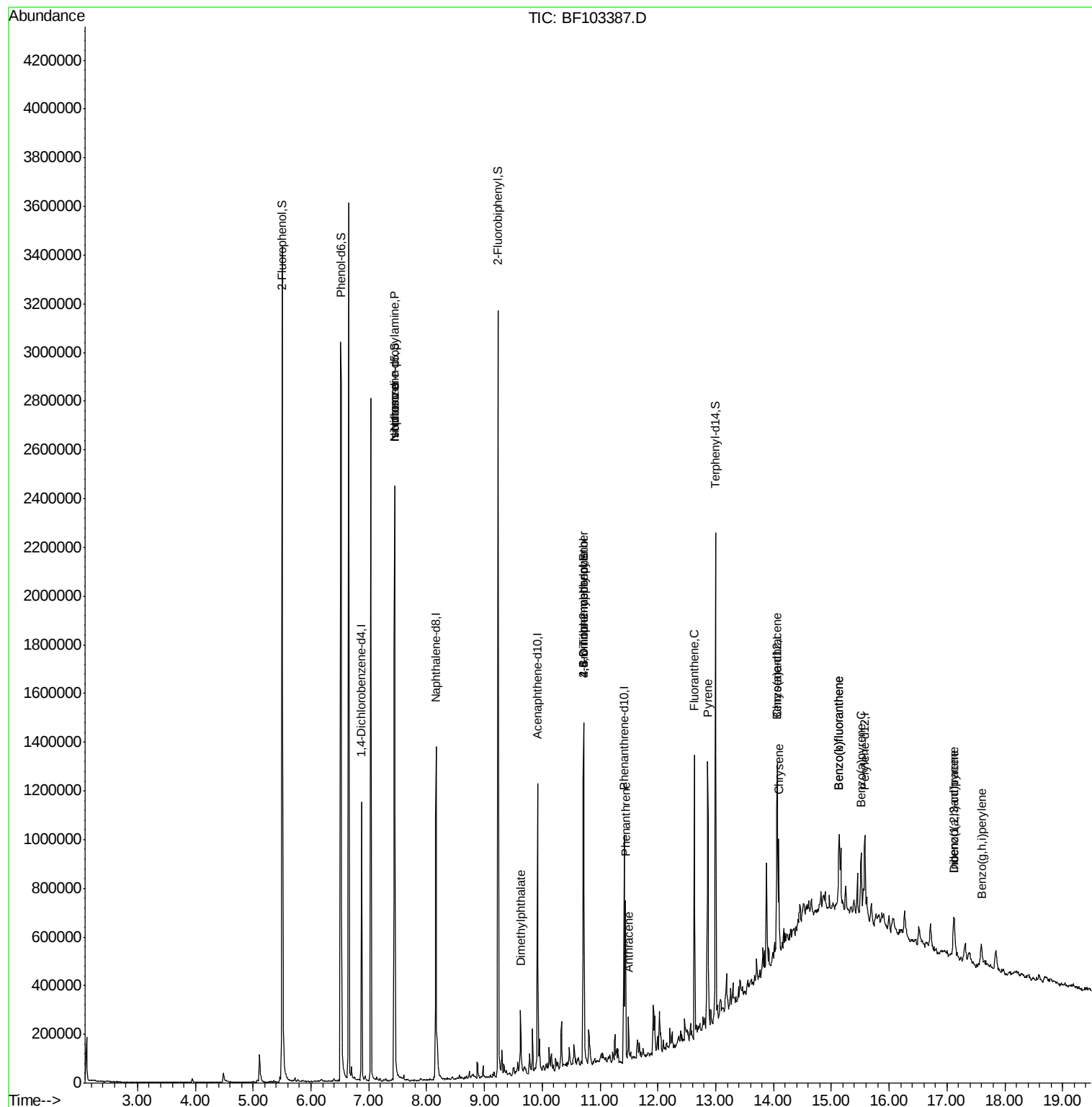
						Qvalue
9) Benzaldehyde	6.45	77	1247	Below Cal	#	75
19) n-Nitroso-di-n-propylamine	7.45	70	108414	14.093 ng	#	84
25) Isophorone	7.45	82	784773	35.301 ng	#	64
49) Dimethylphthalate	9.63	163	98453	5.119 ng		100
64) 4,6-Dinitro-2-methylphenol	10.71	198	362	5.100 ng	#	1
66) 4-Bromophenyl-phenylether	10.72	248	11102	3.091 ng	#	1
70) Phenanthrene	11.44	178	244928	12.909 ng		99
71) Anthracene	11.49	178	79258	4.074 ng		99
74) Fluoranthene	12.63	202	431776	22.646 ng		99
77) Pyrene	12.86	202	429102	24.994 ng		99
80) Benzo(a)anthracene	14.06	228	205356	14.373 ng		98
82) Chrysene	14.09	228	180323	12.998 ng		98
85) Indeno(1,2,3-cd)pyrene	17.12	276	69979	6.372 ng		98
87) Benzo(b)fluoranthene	15.13	252	253334	22.623 ng	#	89
88) Benzo(k)fluoranthene	15.13	252	253334	24.024 ng	#	92
89) Benzo(a)pyrene	15.52	252	126174	12.617 ng	#	90
90) Dibenzo(a,h)anthracene	17.12	278	19873	2.572 ng	#	54
91) Benzo(g,h,i)perylene	17.59	276	66604	8.819 ng		93

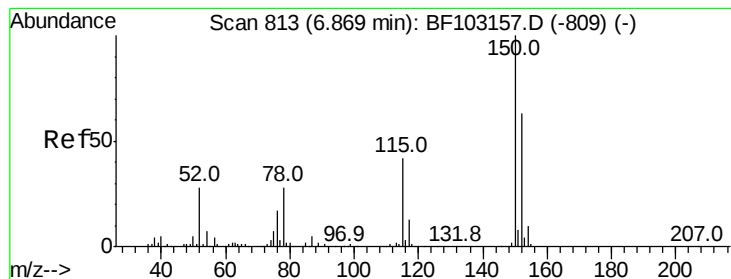
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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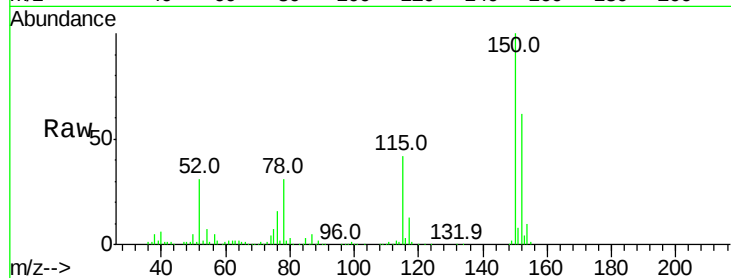


#1

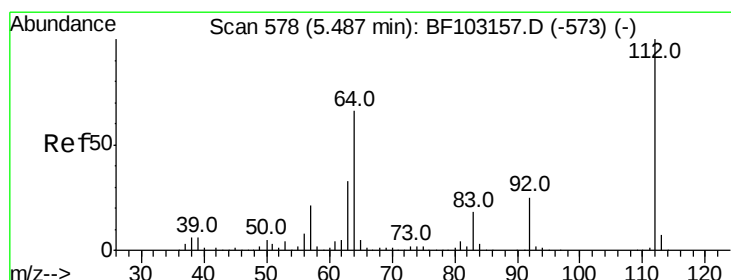
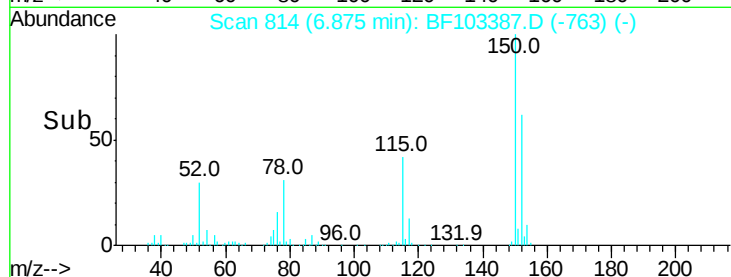
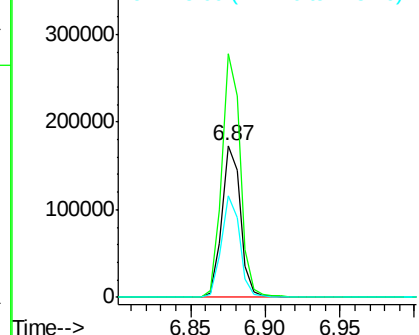
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF103387.D
 Acq: 3 Mar 2018 1:00

Instrument :
 BNA_F
 ClientSampleId :
 SP-13

Tot Ion:152 Resp: 152779
 Ion Ratio Lower Upper
 152 100
 150 160.1 124.6 186.8
 115 66.7 50.1 75.1



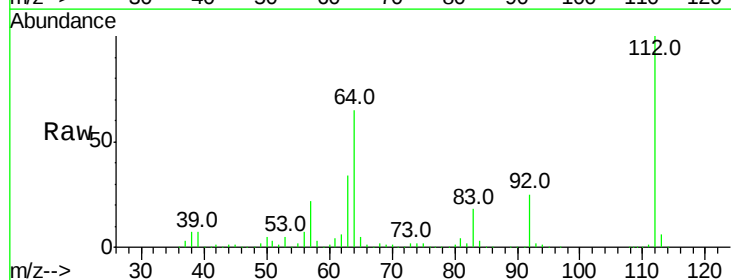
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



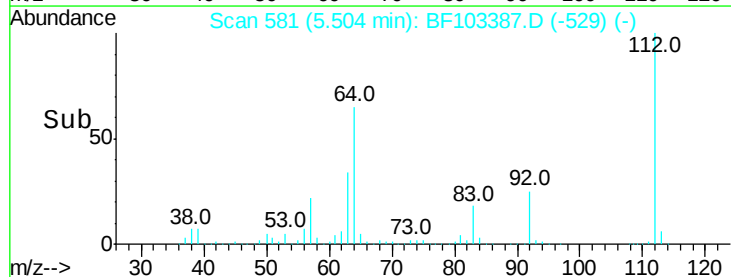
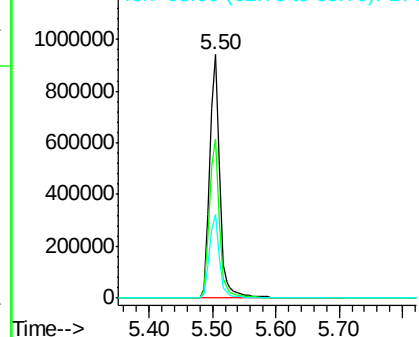
#5

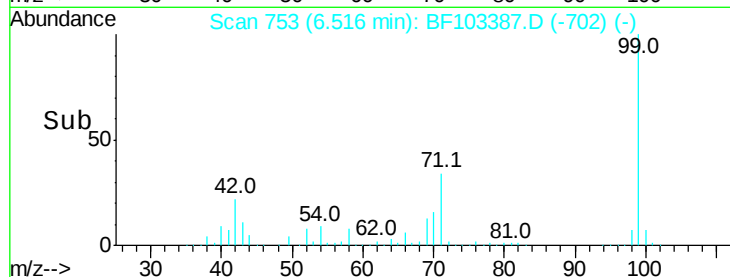
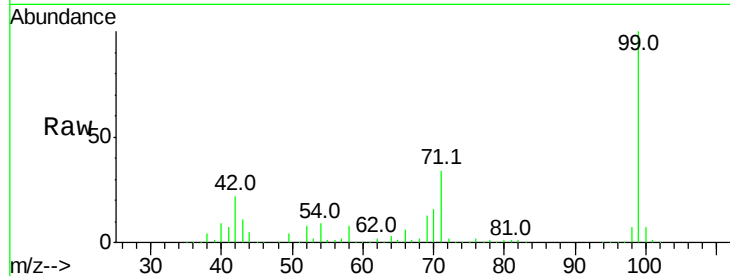
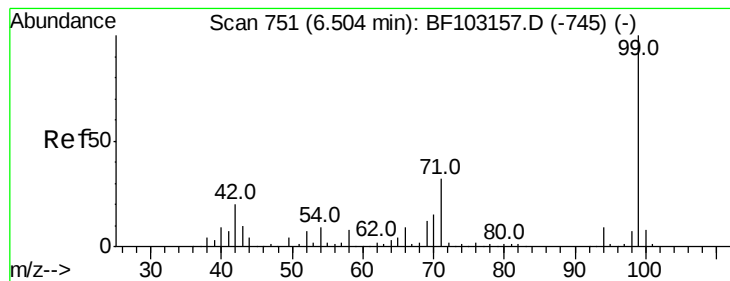
2-Fluorophenol
 Concen: 102.454 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF103387.D
 Acq: 3 Mar 2018 1:00

Tgt Ion:112 Resp: 1034945
 Ion Ratio Lower Upper
 112 100
 64 65.1 47.9 71.9
 63 34.1 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: 100.896 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Instrument :

BNA_F

ClientSampleId :

SP-13

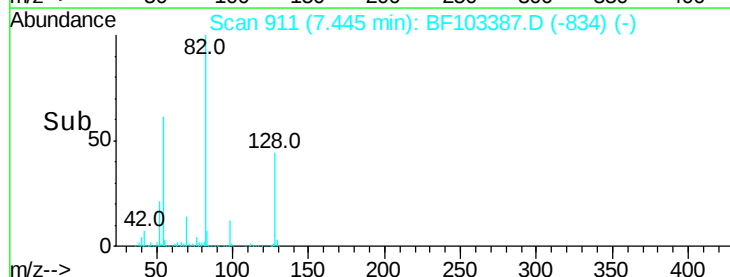
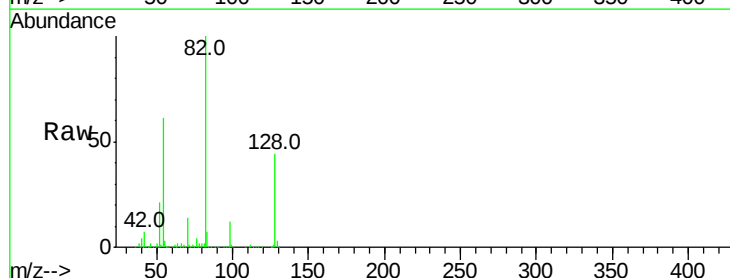
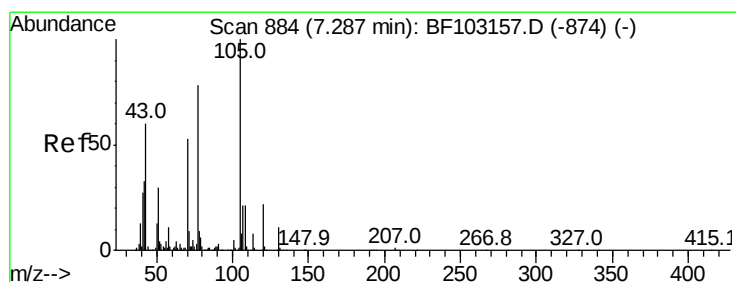
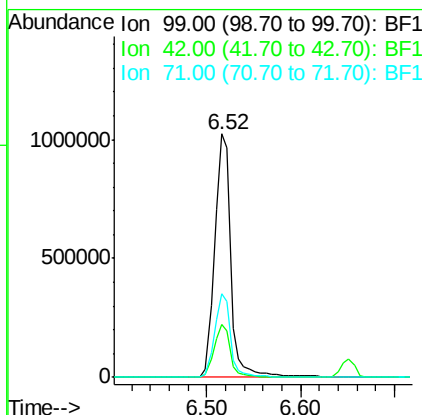
Tot Ion: 99 Resp: 1247150

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

71 34.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.093 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Tgt Ion: 70 Resp: 108414

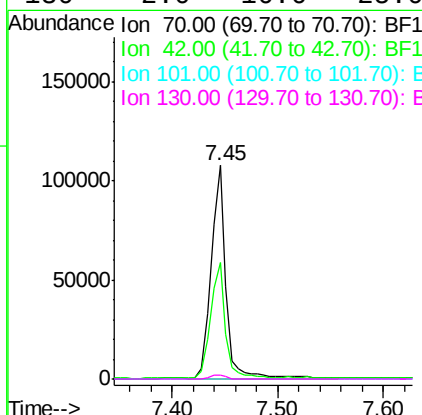
Ion Ratio Lower Upper

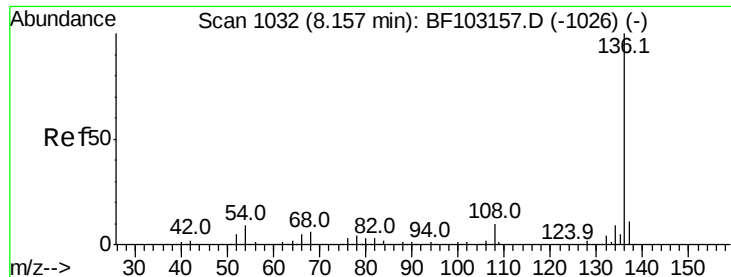
70 100

42 54.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

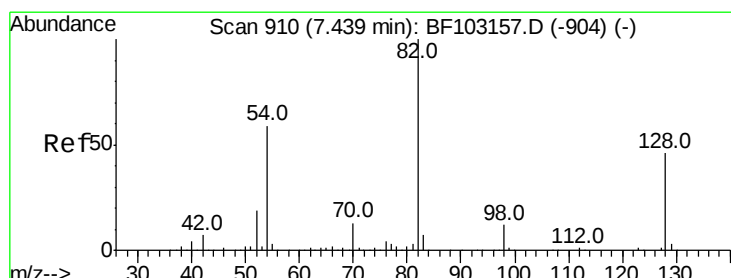
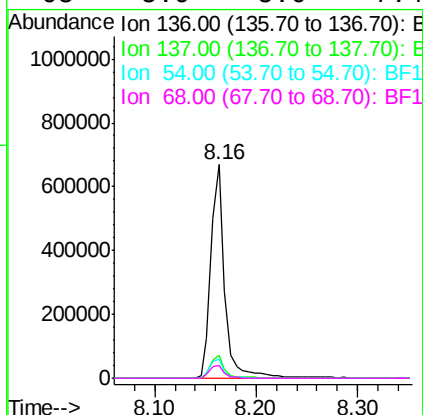
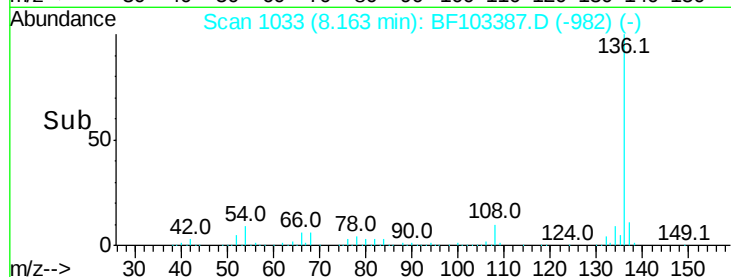
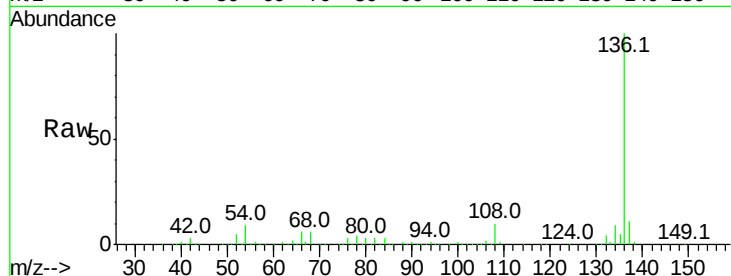




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

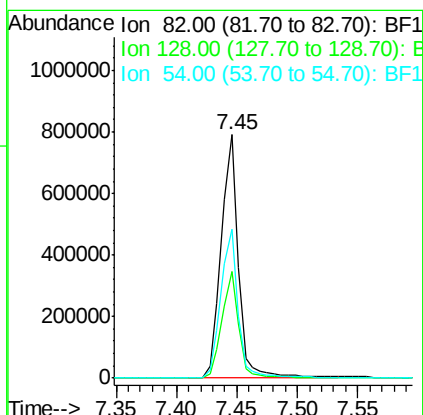
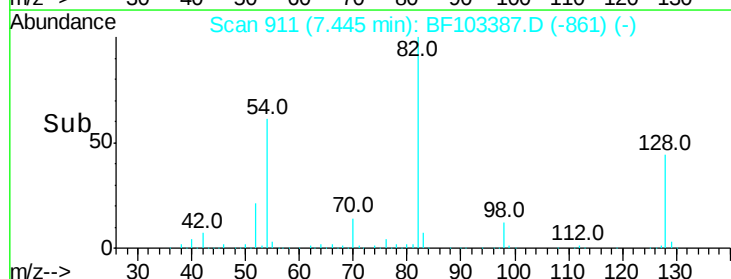
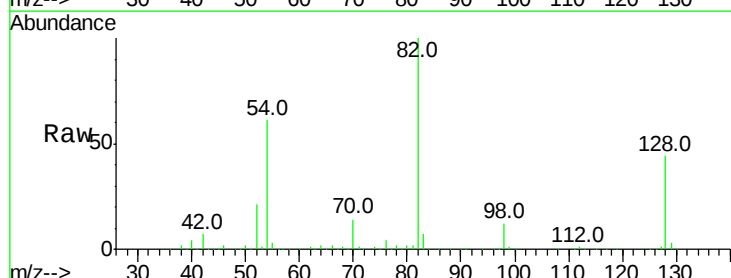
Instrument :
BNA_F
ClientSampleId :
SP-13

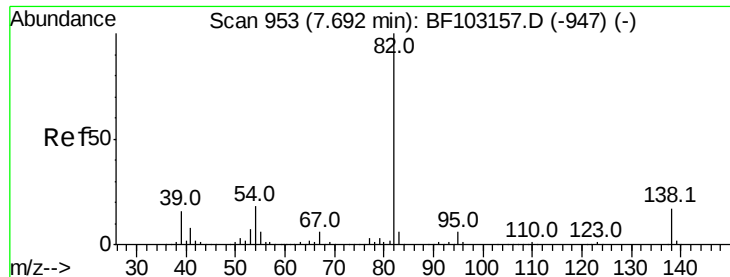
Tot Ion:136	Resp: 644618
Ion Ratio	Lower Upper
136 100	
137 10.8	8.9 13.3
54 8.9	6.6 9.8
68 5.9	5.0 7.4



#23
Nitrobenzene-d5
Concen: 69.526 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion: 82	Resp: 784778
Ion Ratio	Lower Upper
82 100	
128 43.9	36.1 54.1
54 61.2	41.4 62.2





#25

Isophorone

Concen: 35.301 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Instrument :

BNA_F

ClientSampleId :

SP-13

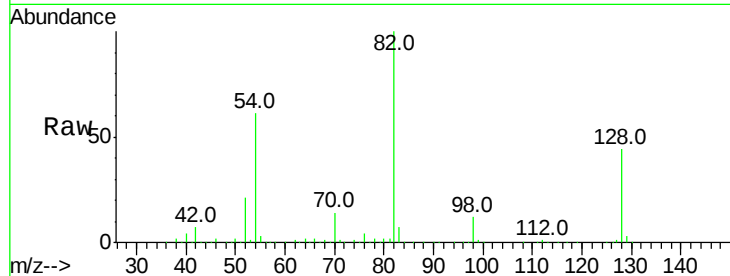
Tot Ion: 82 Resp: 784773

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

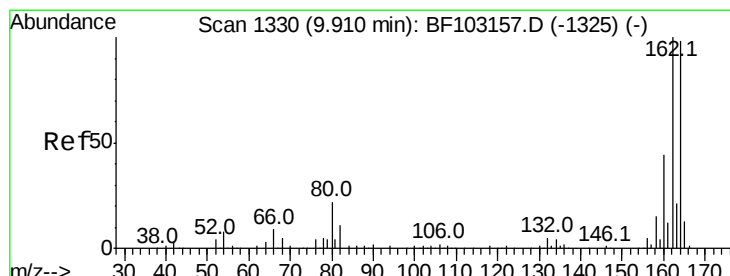
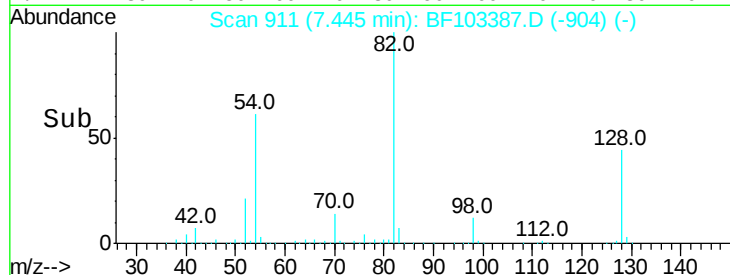
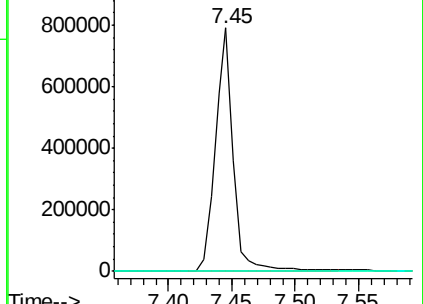
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

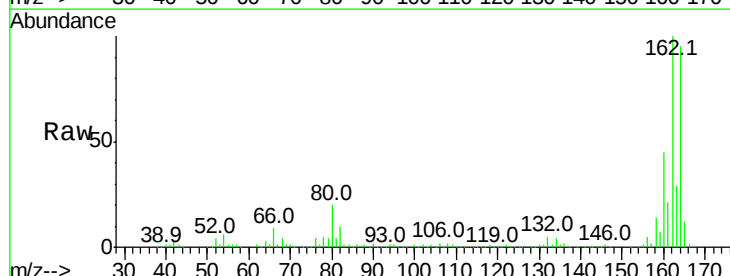
Tgt Ion:164 Resp: 239764

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

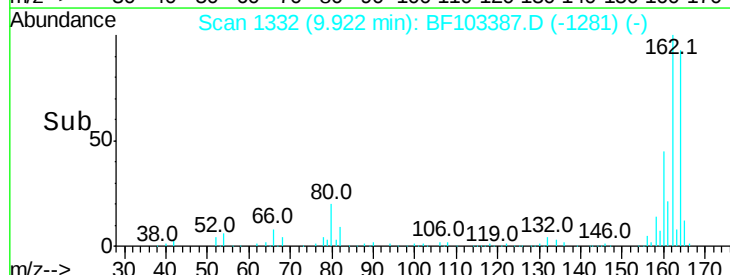
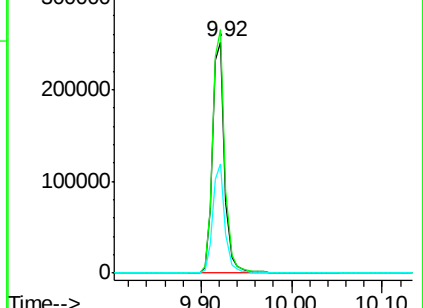
160 47.1 38.3 57.5

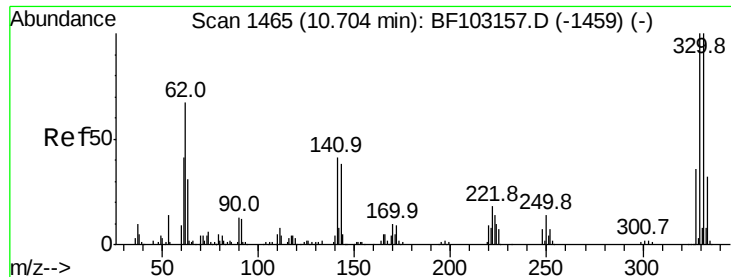


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

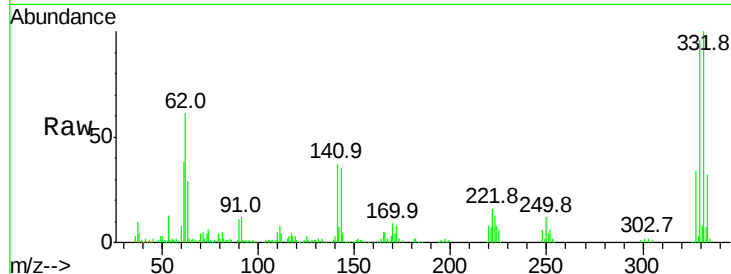




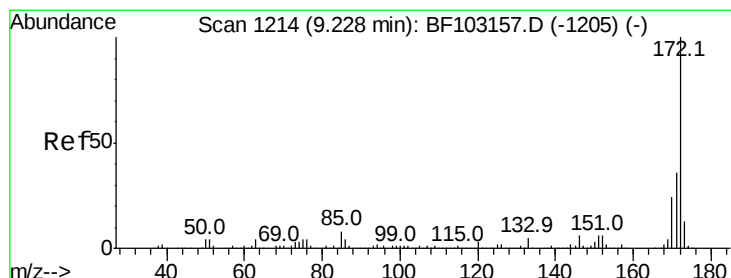
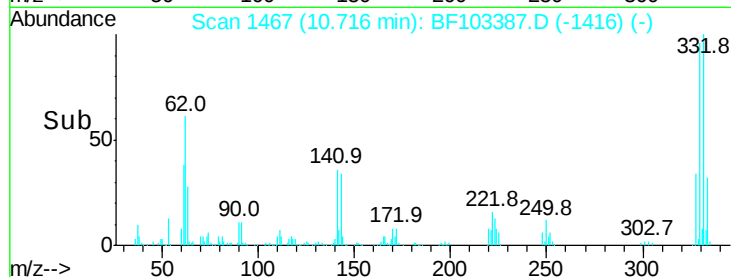
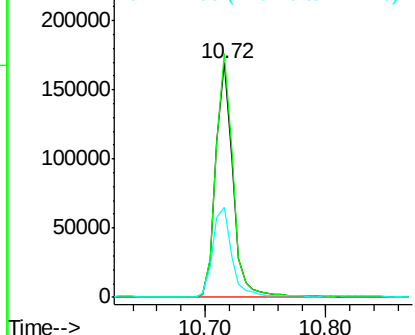
#41
 2,4,6-Tribromophenol
 Concen: 82.465 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103387.D
 Acq: 3 Mar 2018 1:00

Instrument :
 BNA_F
 ClientSampleId :
 SP-13

Tot Ion:330 Resp: 167360
 Ion Ratio Lower Upper
 330 100
 332 102.3 77.0 115.6
 141 41.8 29.9 44.9

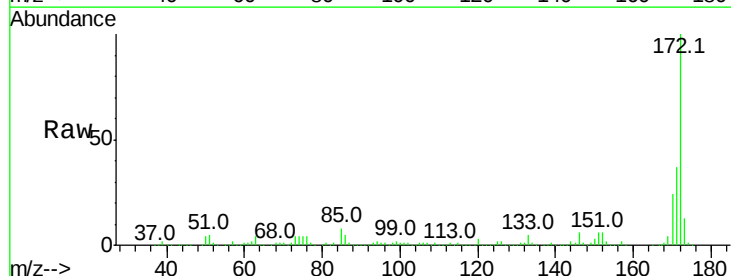


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

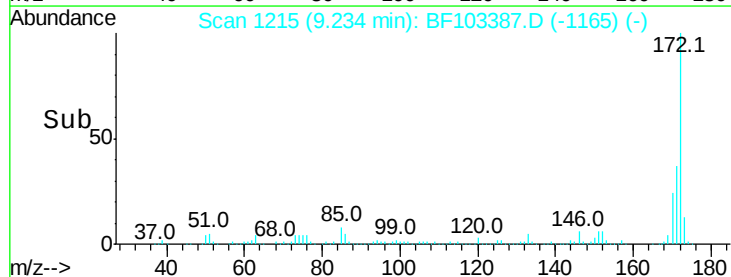
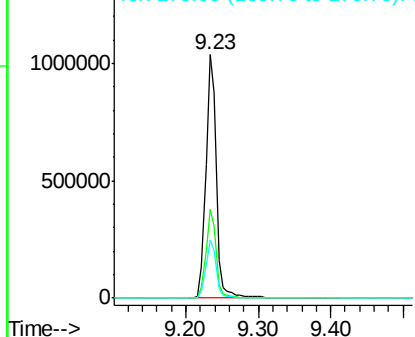


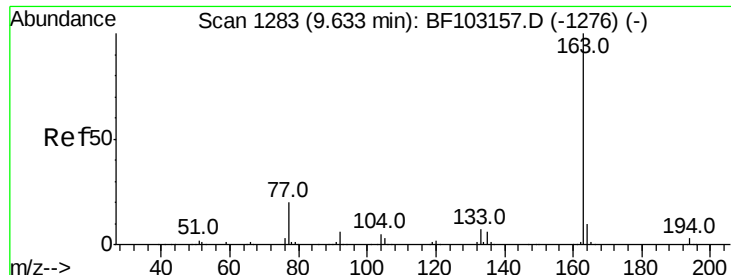
#44
 2-Fluorobiphenyl
 Concen: 73.180 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103387.D
 Acq: 3 Mar 2018 1:00

Tgt Ion:172 Resp: 1053144
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 23.9 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

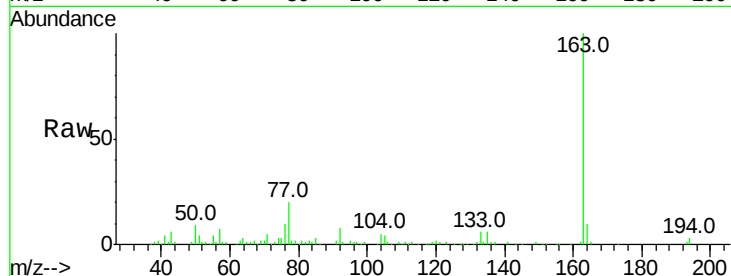




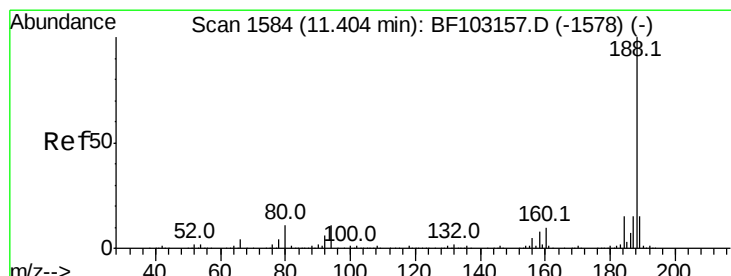
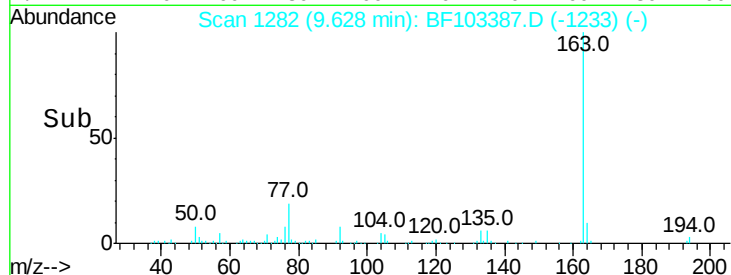
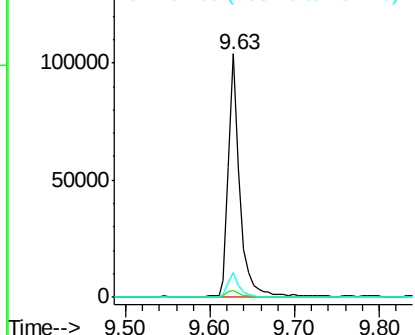
#49
Dimethylphthalate
Concen: 5.119 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Instrument :
BNA_F
ClientSampled :
SP-13

Tot Ion:163 Resp: 98453
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 10.1 8.2 12.2

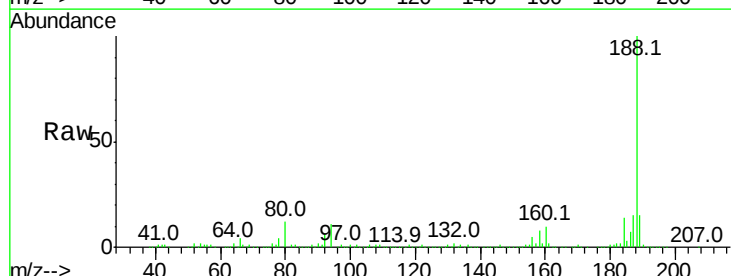


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

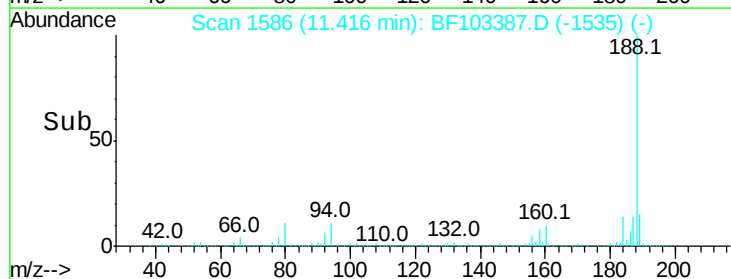
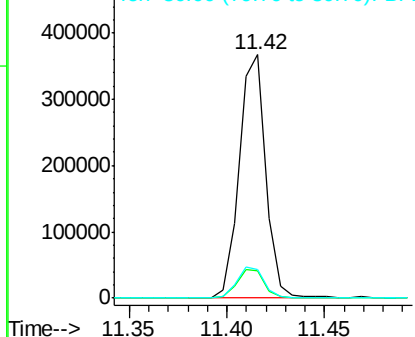


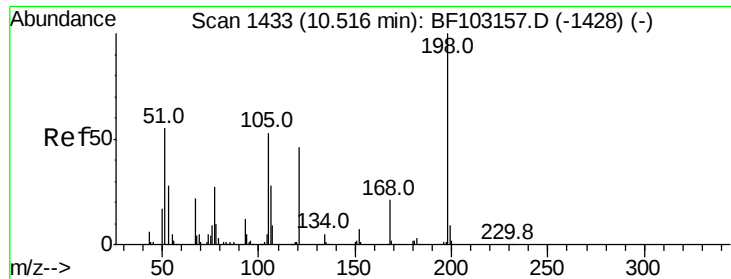
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion:188 Resp: 344772
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.5 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: 5.100 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.17 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Instrument :

BNA_F

ClientSampleId :

SP-13

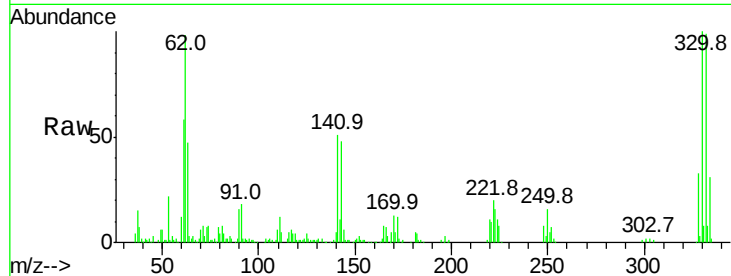
Tot Ion:198 Resp: 362

Ion Ratio Lower Upper

198 100

51 354.2 37.7 77.7#

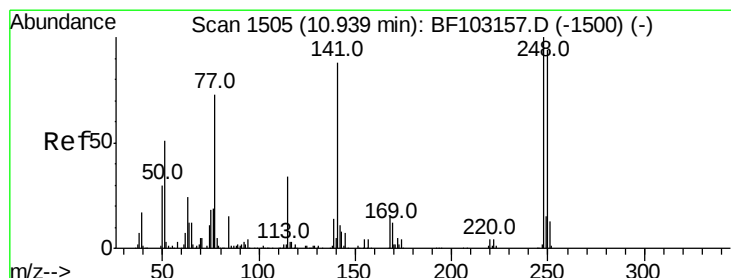
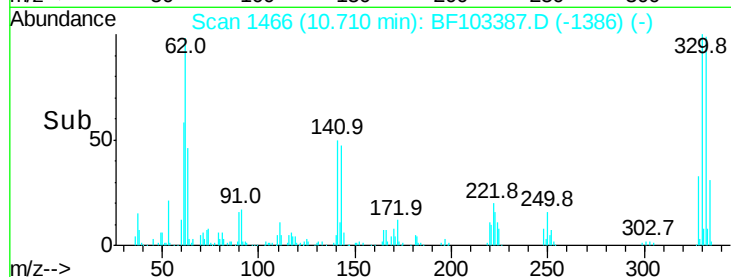
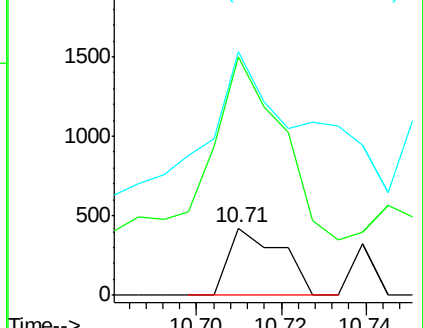
105 361.1 36.3 76.3#



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: 3.091 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.24 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

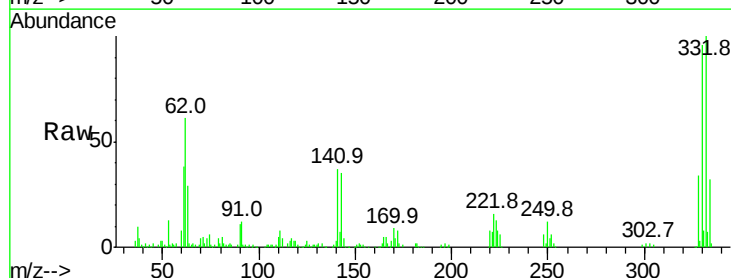
Tgt Ion:248 Resp: 11102

Ion Ratio Lower Upper

248 100

250 187.3 76.9 115.3#

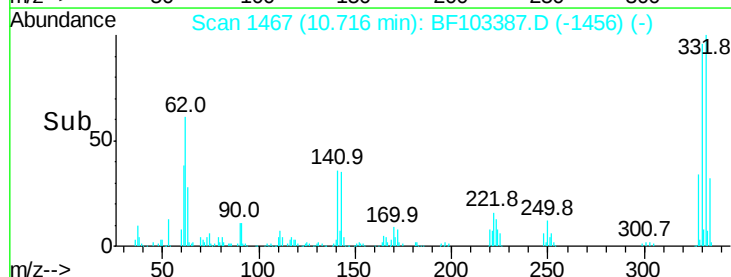
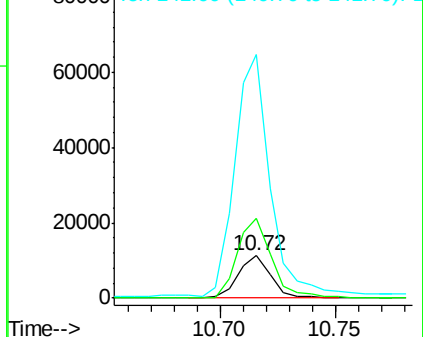
141 575.2 74.4 111.6#

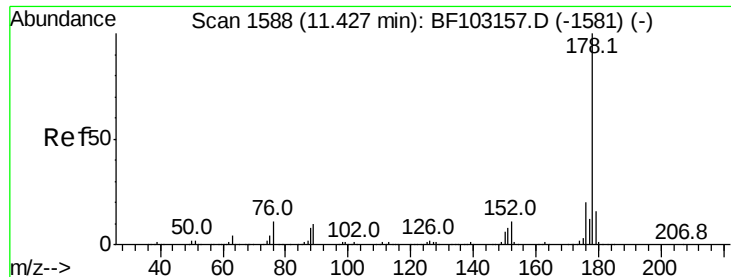


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

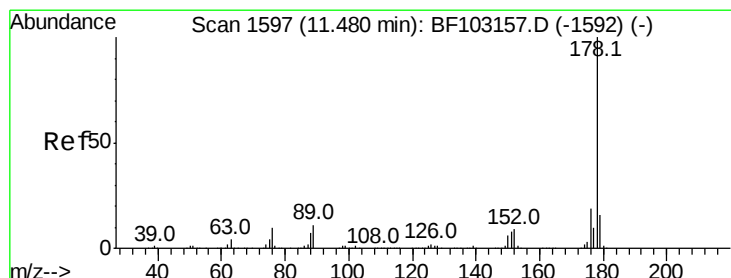
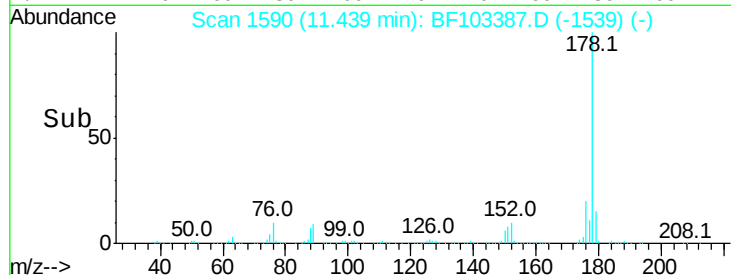
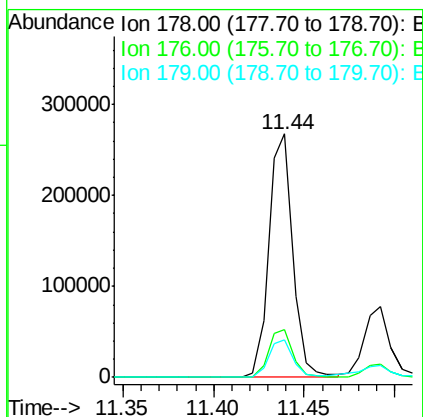
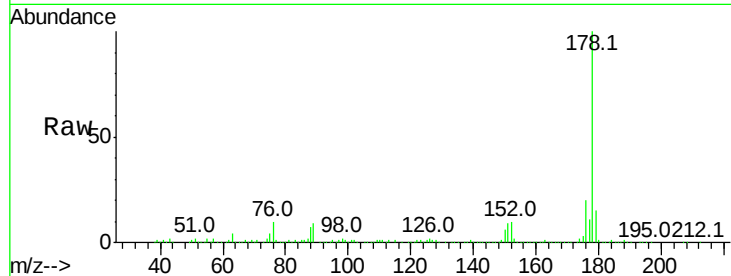




#70
Phenanthrene
Concen: 12.909 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

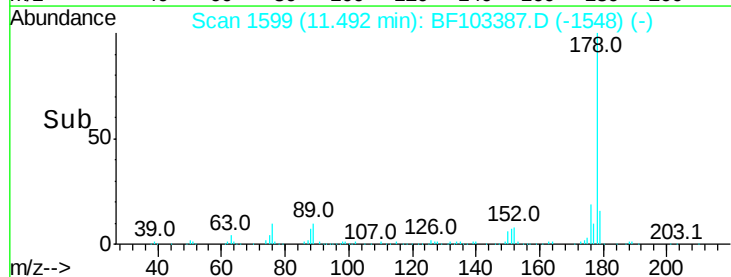
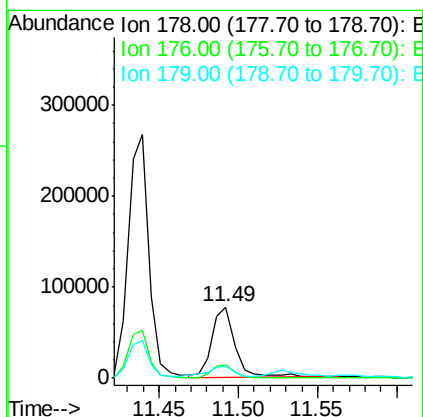
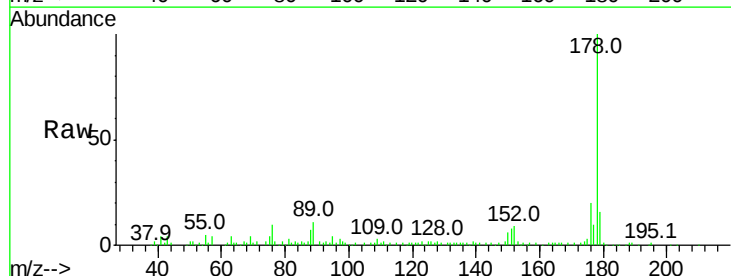
Instrument :
BNA_F
ClientSampleId :
SP-13

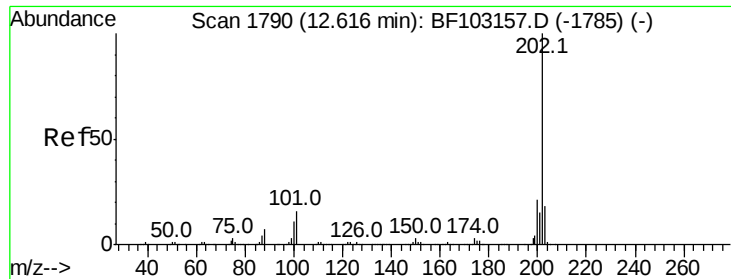
Tot Ion:178 Resp: 244928
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.4 13.0 19.6



#71
Anthracene
Concen: 4.074 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion:178 Resp: 79258
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 16.4 12.6 19.0

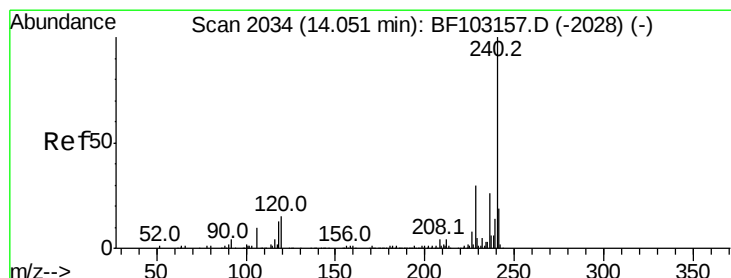
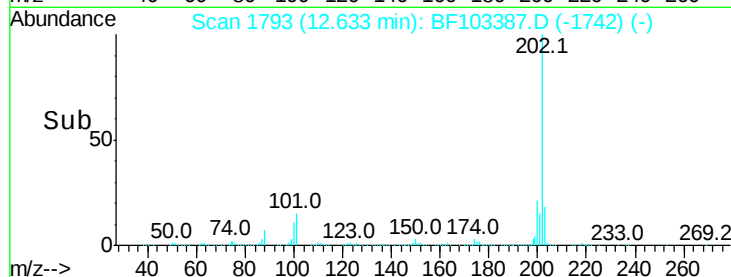
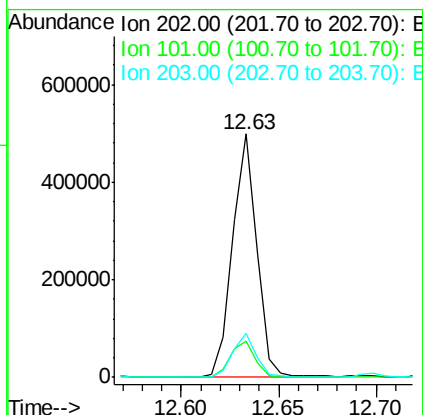
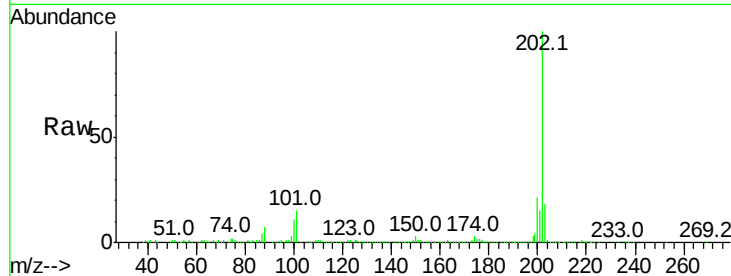




#74
Fluoranthene
Concen: 22.646 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

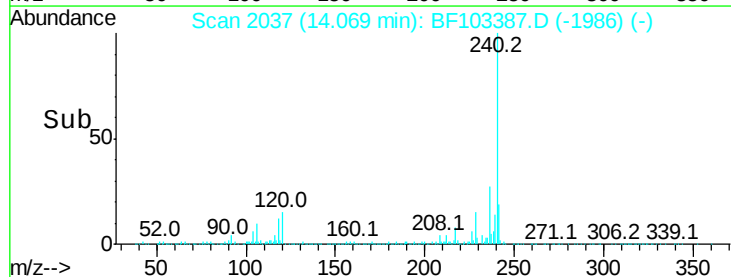
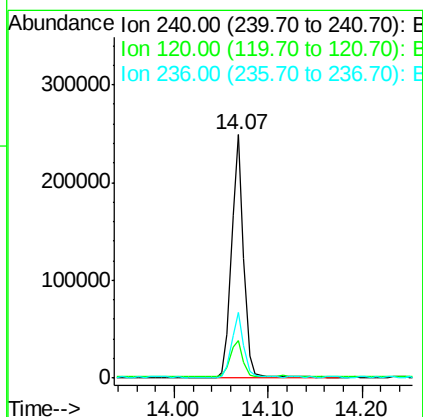
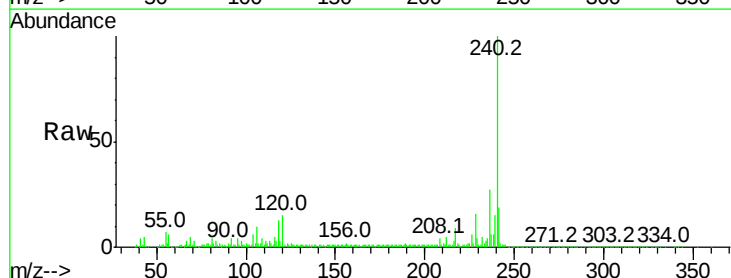
Instrument :
BNA_F
ClientSampleId :
SP-13

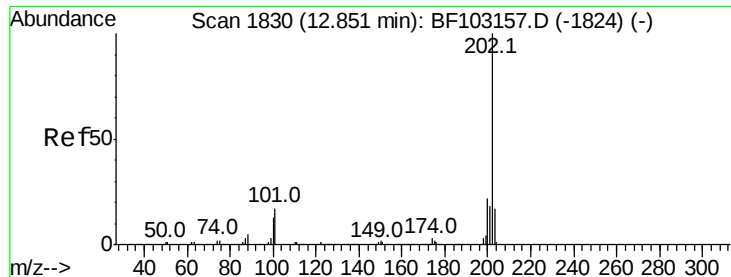
Tot Ion:202 Resp: 431776
Ion Ratio Lower Upper
202 100
101 14.9 0.0 34.1
203 17.9 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion:240 Resp: 220205
Ion Ratio Lower Upper
240 100
120 15.5 9.5 14.3#
236 26.9 20.7 31.1

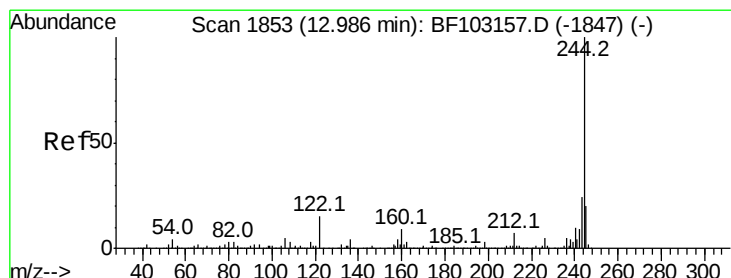
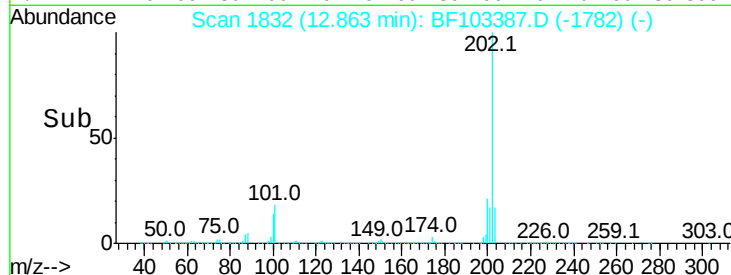
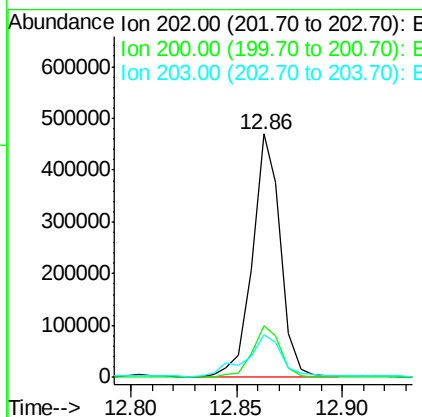
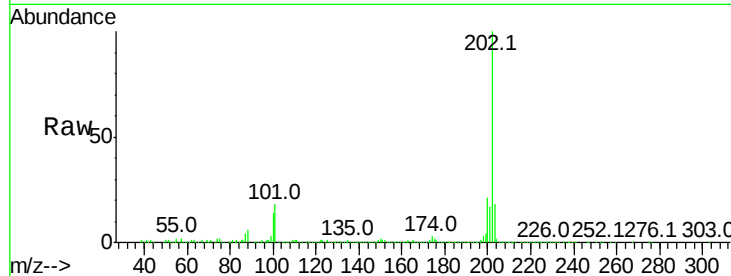




#77
Pvrene
Concen: 24.994 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

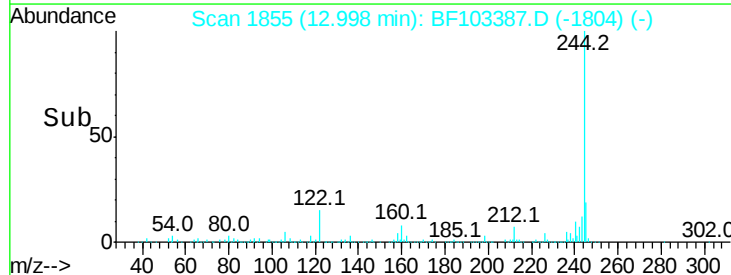
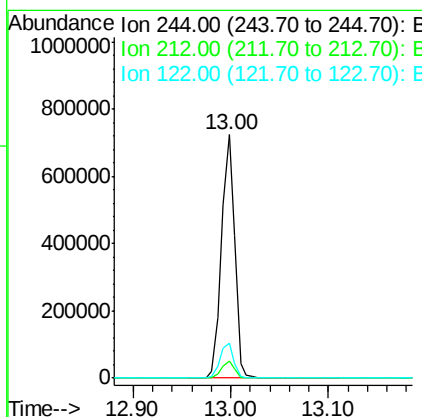
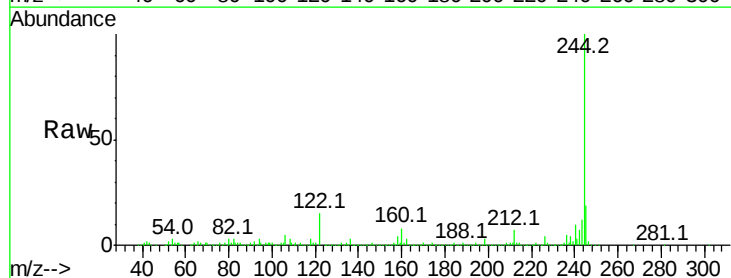
Instrument :
BNA_F
ClientSampleId :
SP-13

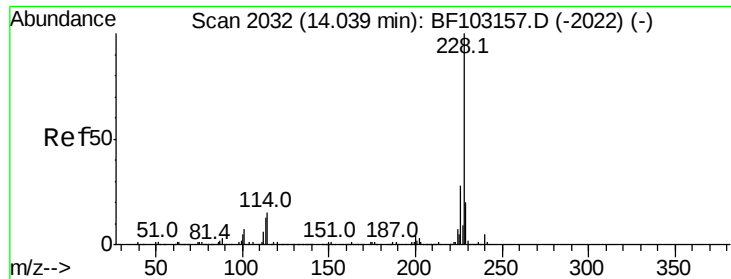
Tot Ion:202 Resp: 429102
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 17.5 14.3 21.5



#78
Terphenyl-d14
Concen: 74.622 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion:244 Resp: 683568
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 14.6 11.0 16.4

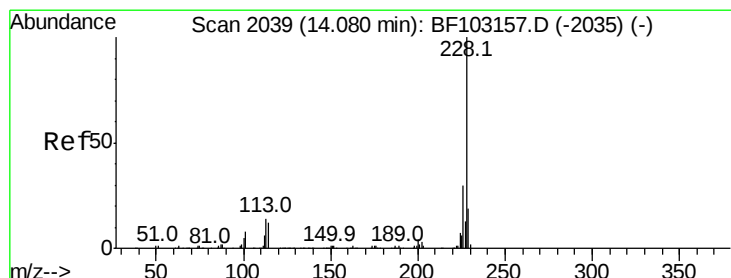
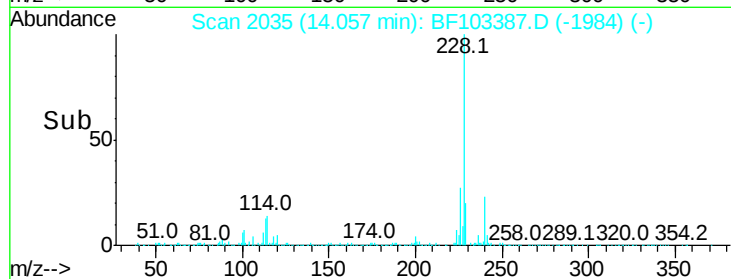
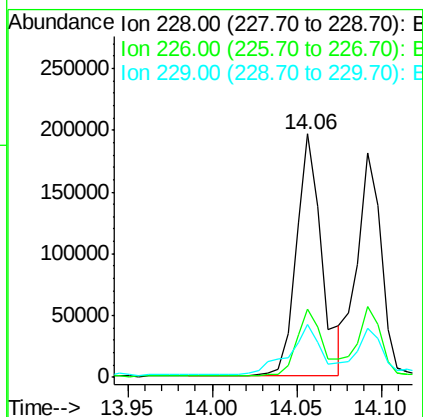
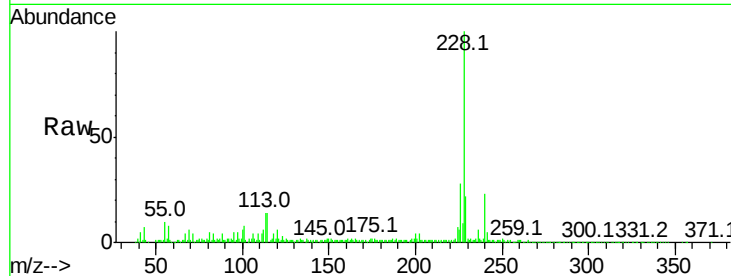




#80
Benzo(a)anthracene
Concen: 14.373 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

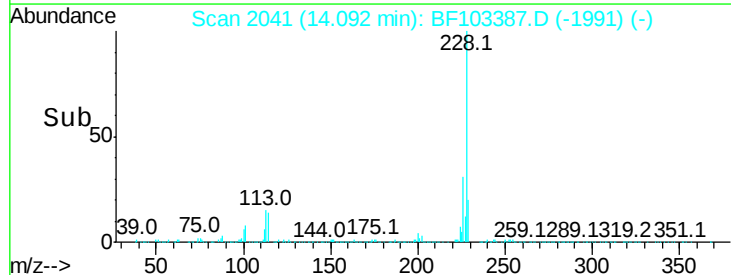
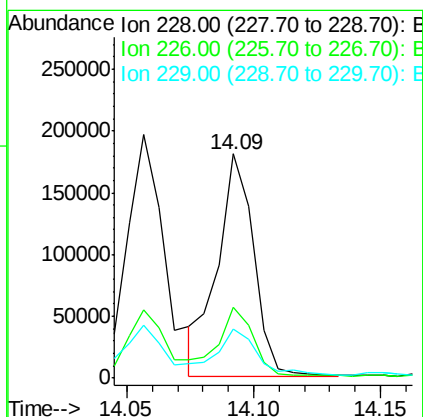
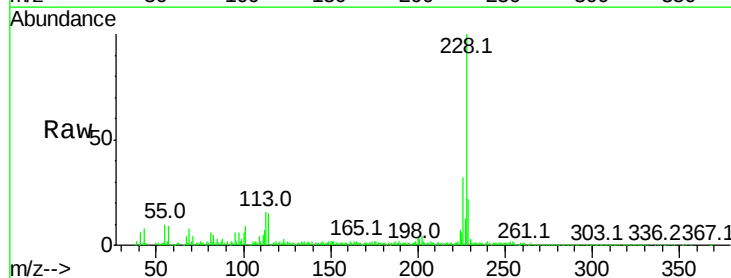
Instrument :
BNA_F
ClientSampleId :
SP-13

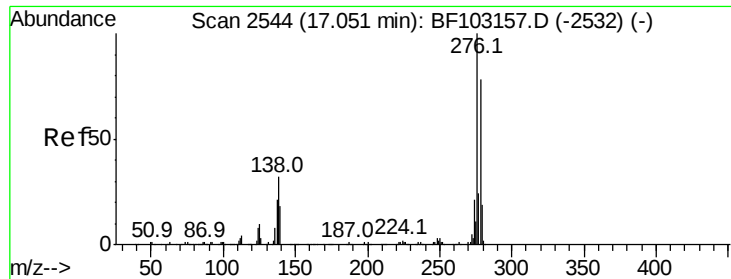
Tot Ion:228 Resp: 205356
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 12.998 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion:228 Resp: 180323
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 22.2 16.2 24.4

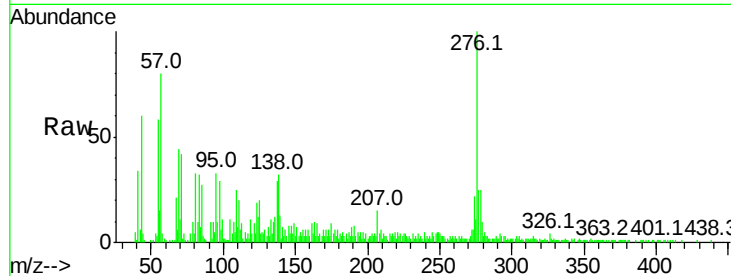




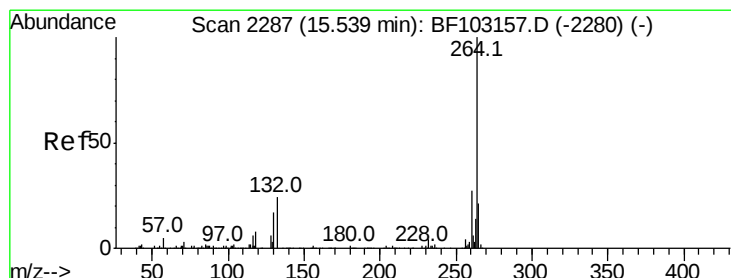
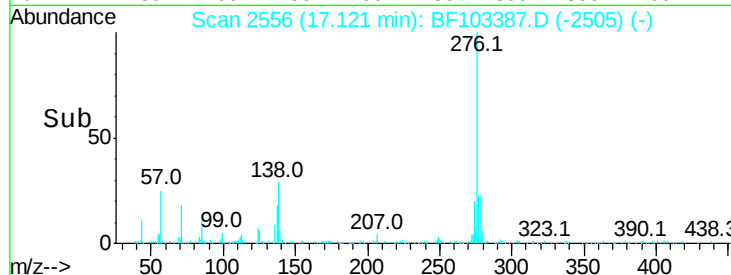
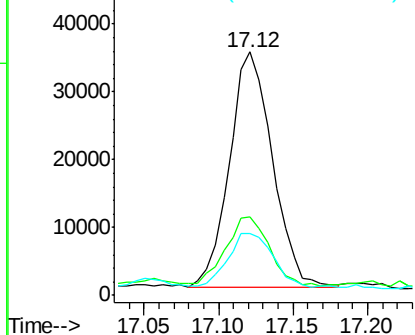
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.372 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. 0.00 min
 Lab File: BF103387.D
 Acq: 3 Mar 2018 1:00

Instrument :
 BNA_F
 ClientSampleId :
 SP-13

Tot Ion:276 Resp: 69979
 Ion Ratio Lower Upper
 276 100
 138 29.2 25.0 37.6
 277 25.0 20.1 30.1

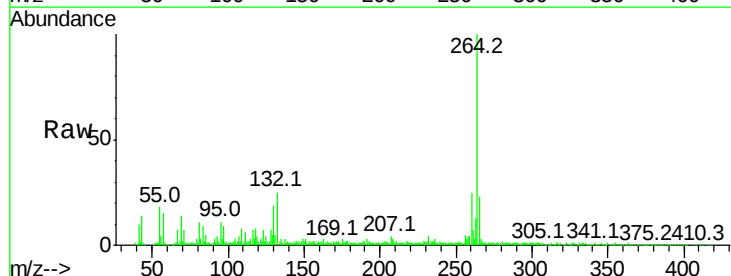


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

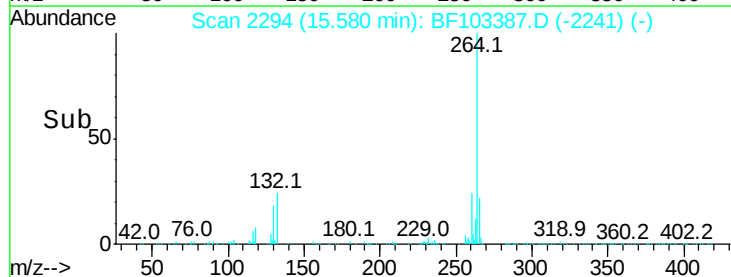
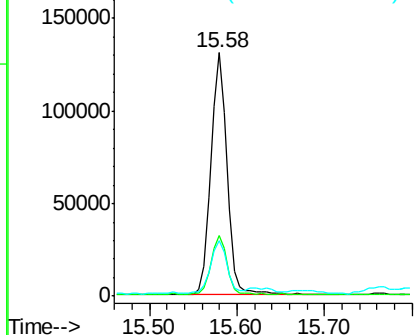


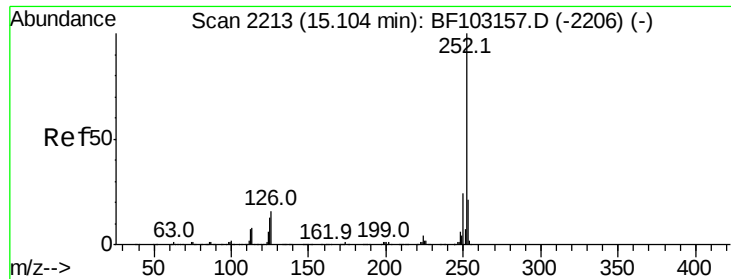
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF103387.D
 Acq: 3 Mar 2018 1:00

Tgt Ion:264 Resp: 170317
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.2 28.8
 265 22.7 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

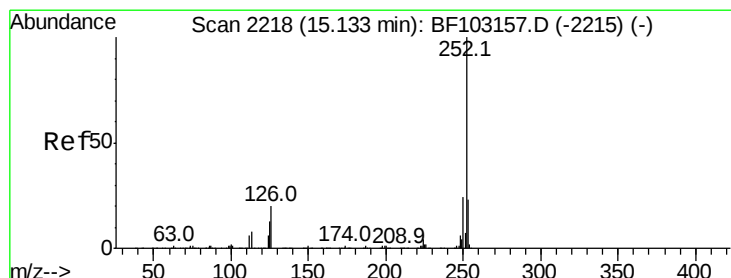
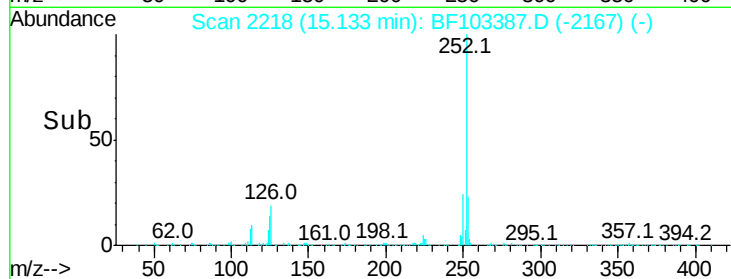
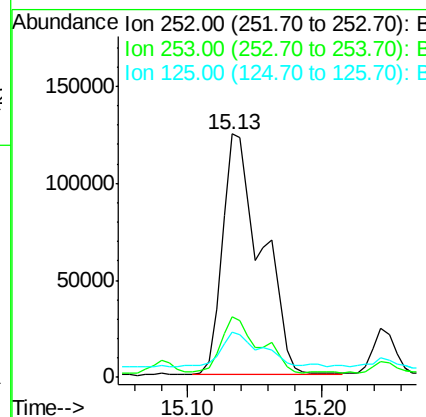
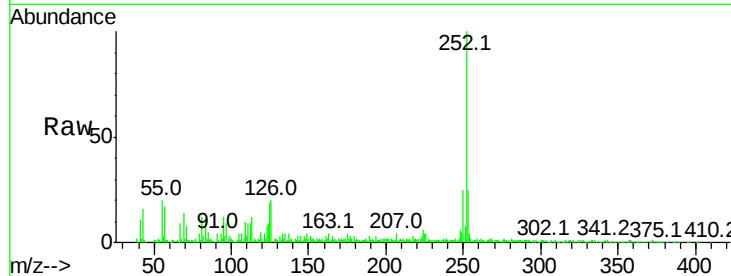




#87
Benzo(b)fluoranthene
Concen: 22.623 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

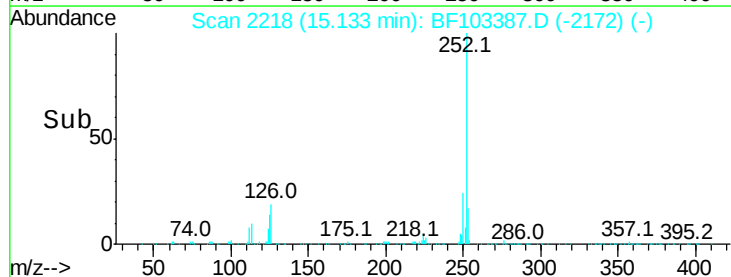
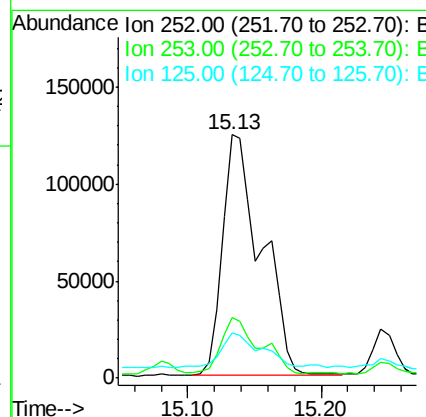
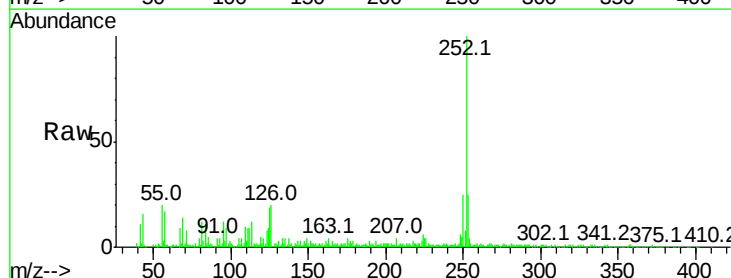
Instrument :
BNA_F
ClientSampleId :
SP-13

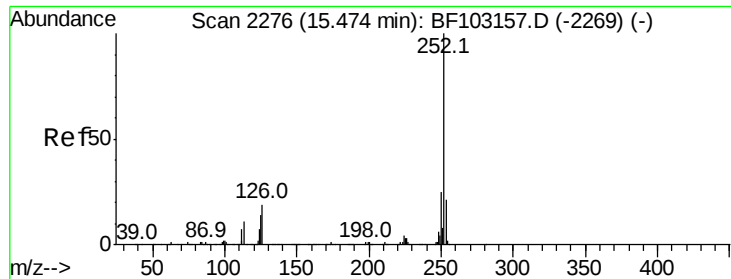
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	18.5	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 24.024 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103387.D
Acq: 3 Mar 2018 1:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	18.5	10.2	15.2





#89

Benzo(a)pyrene

Concen: 12.617 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Instrument :

BNA_F

ClientSampled :

SP-13

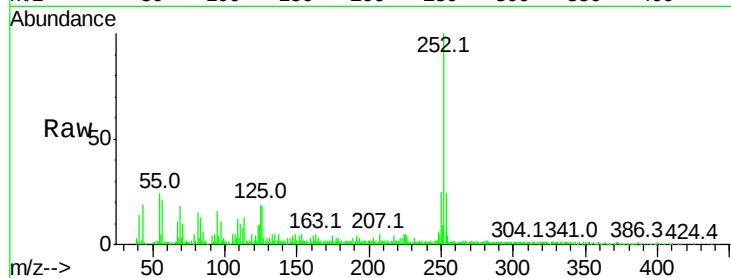
Tot Ion:252 Resp: 126174

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

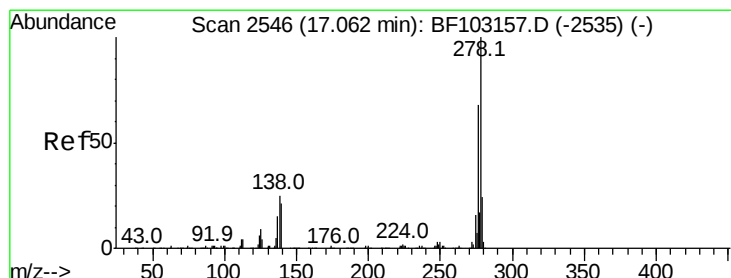
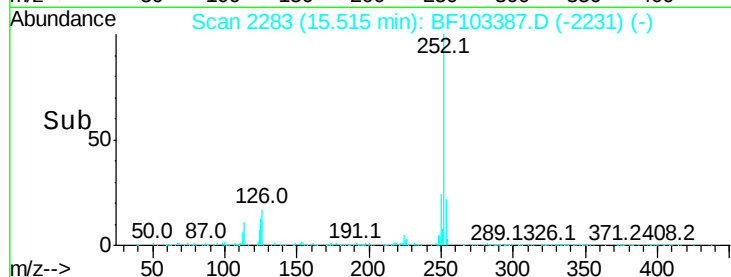
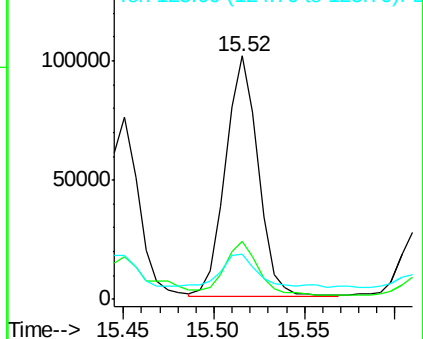
125 18.8 9.8 14.6#



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: 2.572 ng

RT: 17.12 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

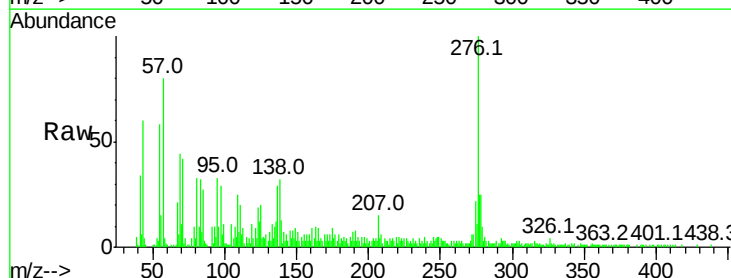
Tgt Ion:278 Resp: 19873

Ion Ratio Lower Upper

278 100

139 50.9 15.9 23.9#

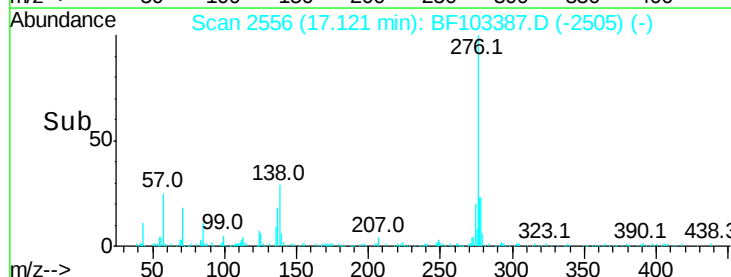
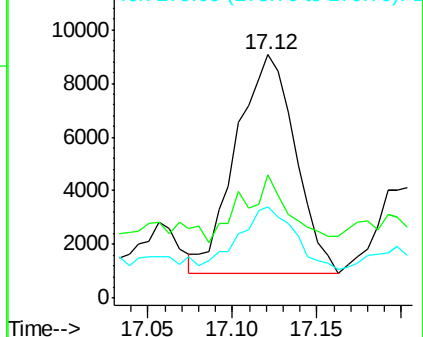
279 37.6 19.0 28.4#

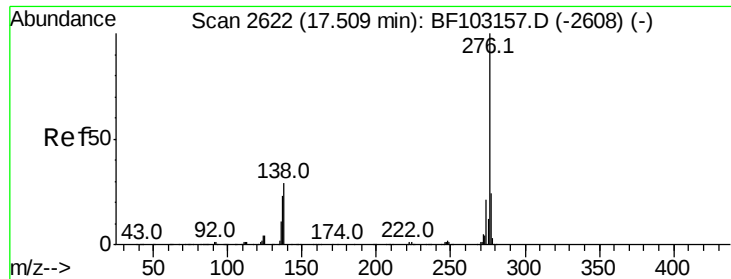


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.819 ng

RT: 17.59 min Scan# 2636

Delta R.T. 0.01 min

Lab File: BF103387.D

Acq: 3 Mar 2018 1:00

Instrument :

BNA_F

ClientSampleId :

SP-13

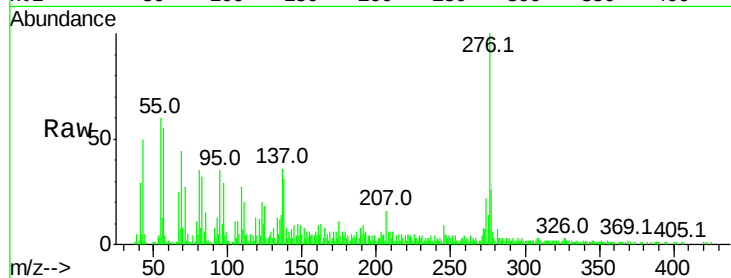
Tot Ion:276 Resp: 66604

Ion Ratio Lower Upper

276 100

277 25.8 17.9 26.9

138 30.9 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

