

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103379.D
 Acq On : 2 Mar 2018 21:29
 Operator : SJ/JU
 Sample : J1721-11RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-50

Quant Time: Mar 02 23:11:13 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	156389	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	669928	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	272693	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	376239	20.00	ng	0.00
75) Chrysene-d12	14.06	240	250580	20.00	ng	0.00
86) Perylene-d12	15.57	264	199381	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1135374	109.80	ng	0.00
7) Phenol-d6	6.52	99	1378939	108.98	ng	0.00
23) Nitrobenzene-d5	7.45	82	887596	75.66	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	201895	87.47	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1194817	72.95	ng	0.00
78) Terphenyl-d14	13.00	244	700587	67.21	ng	0.00

Target Compounds

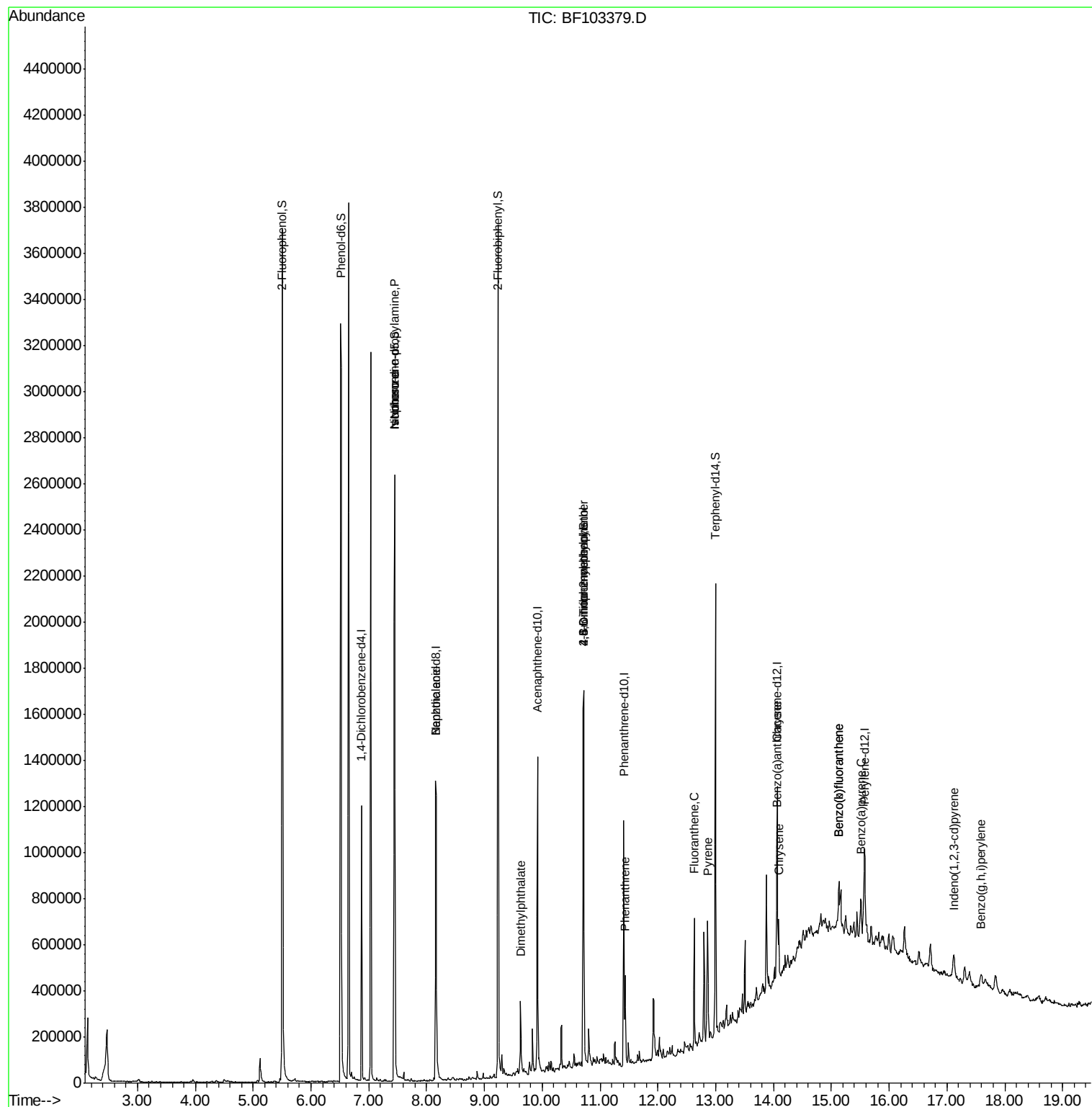
						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	122769	15.590	ng	# 84
25) Isophorone	7.45	82	887583	38.417	ng	# 64
32) Benzoic acid	8.16	122	111	6.928	ng	# 1
49) Dimethylphthalate	9.63	163	136217	6.227	ng	100
64) 4,6-Dinitro-2-methylphenol	10.72	198	490	5.137	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	13290	3.391	ng	# 1
70) Phenanthrene	11.43	178	123076	5.944	ng	98
74) Fluoranthene	12.63	202	212630	10.219	ng	97
77) Pyrene	12.86	202	211520	10.827	ng	98
80) Benzo(a)anthracene	14.05	228	109338	6.725	ng	97
82) Chrysene	14.09	228	109143	6.914	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	37801	3.025	ng	99
87) Benzo(b)fluoranthene	15.13	252	154668	11.798	ng	# 89
88) Benzo(k)fluoranthene	15.13	252	154668	12.529	ng	# 92
89) Benzo(a)pyrene	15.51	252	77710	6.638	ng	# 84
91) Benzo(g,h,i)perylene	17.59	276	37995	4.298	ng	# 89

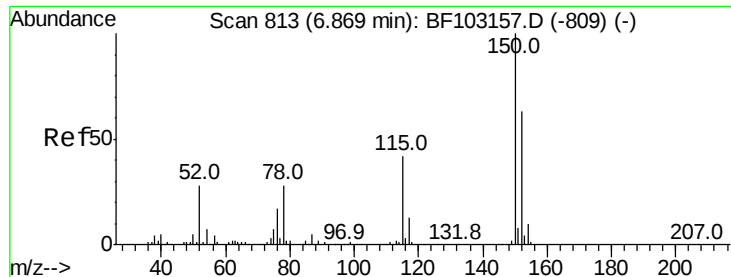
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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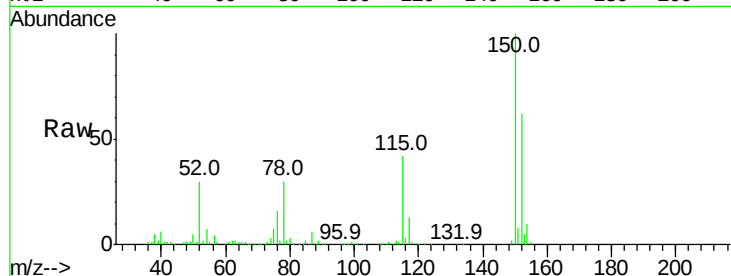


#1

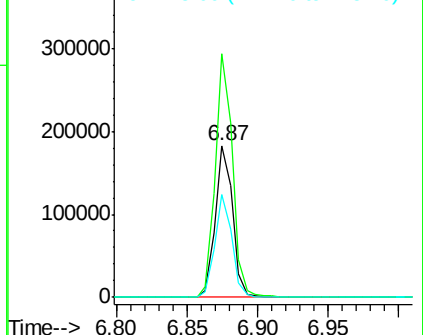
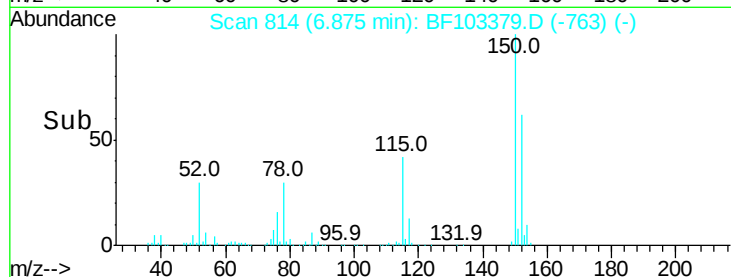
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Instrument :
BNA_F
ClientSampleId :
SP-50

Tot Ion:152 Resp: 156389
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 67.8 50.1 75.1



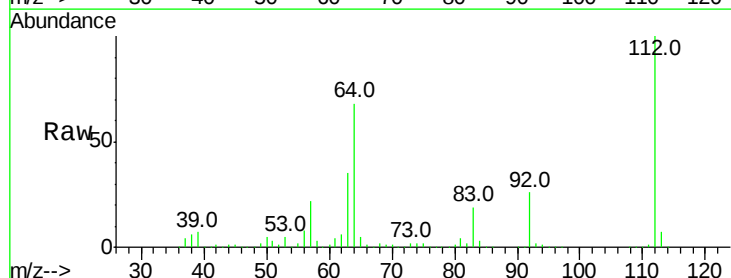
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



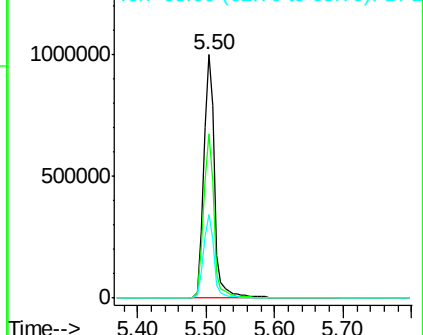
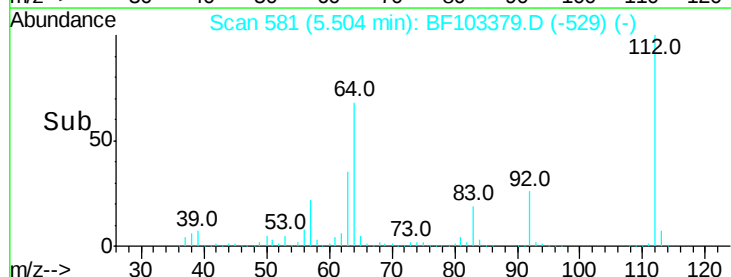
#5

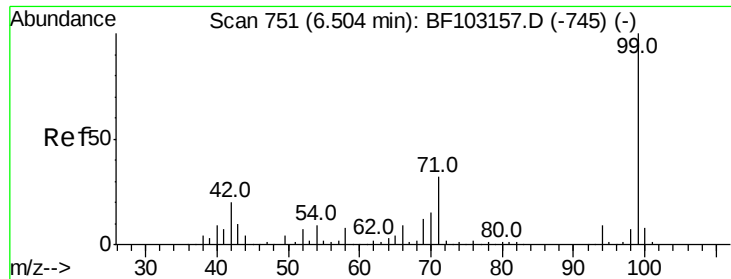
2-Fluorophenol
Concen: 109.801 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Tgt Ion:112 Resp: 1135374
Ion Ratio Lower Upper
112 100
64 67.7 47.9 71.9
63 34.6 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: 108.982 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

Instrument :

BNA_F

ClientSampleId :

SP-50

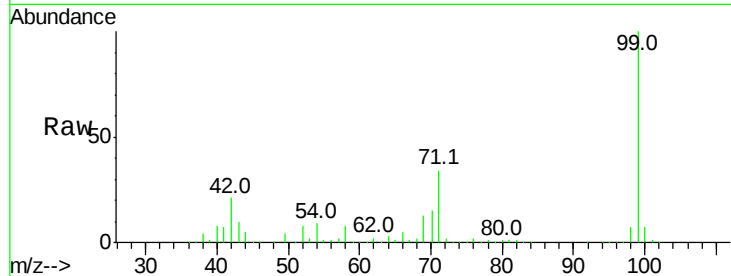
Tot Ion: 99 Resp: 1378939

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

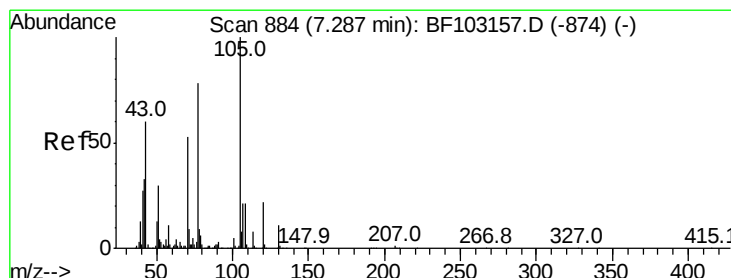
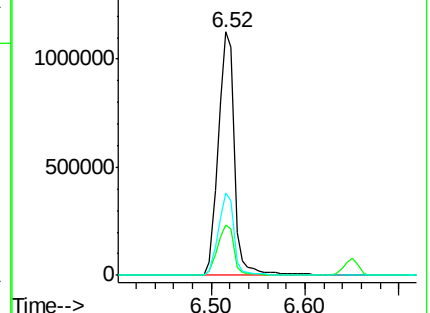
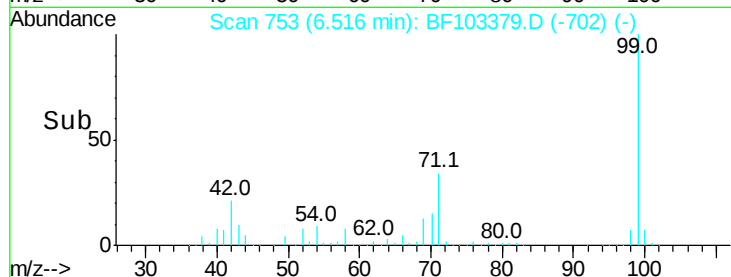
71 33.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.590 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

Tgt Ion: 70 Resp: 122769

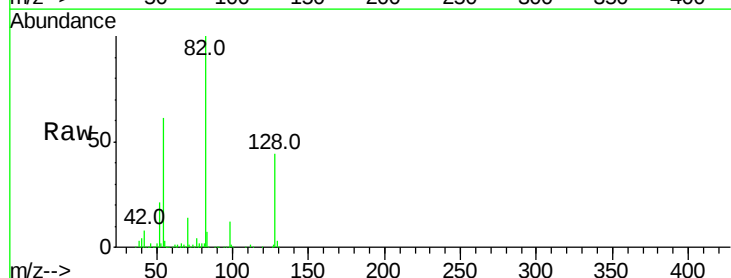
Ion Ratio Lower Upper

70 100

42 54.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

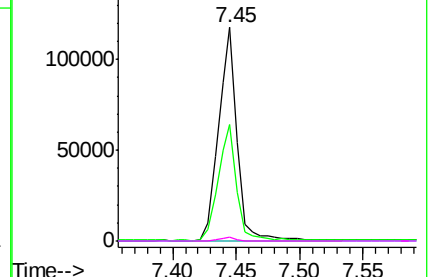
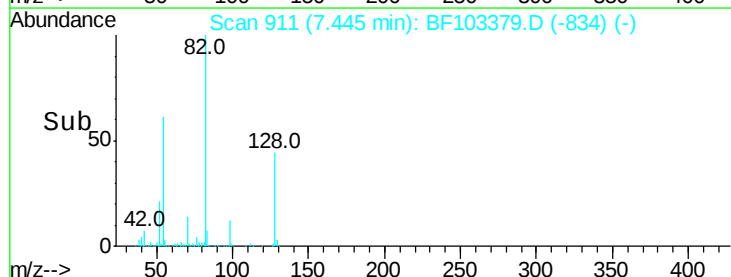


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

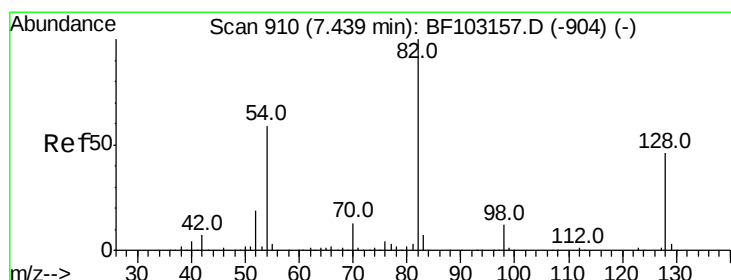
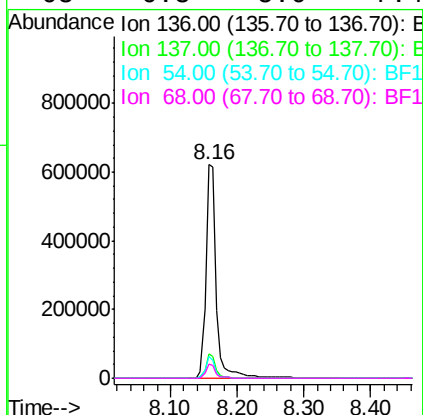
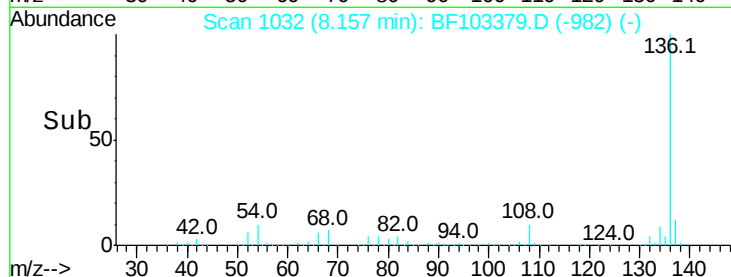
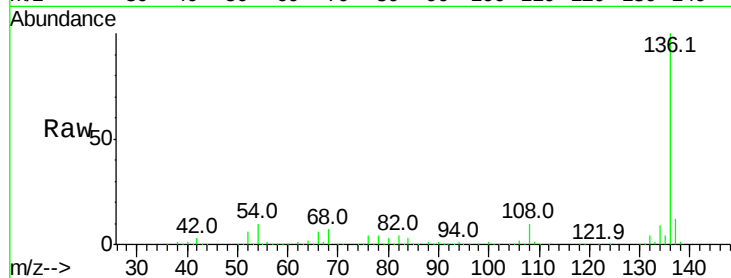




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

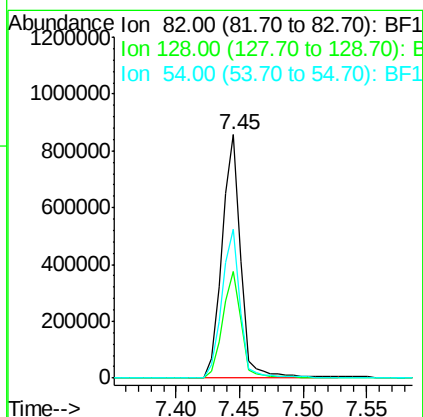
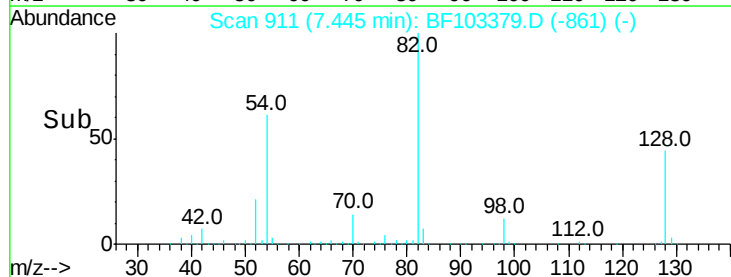
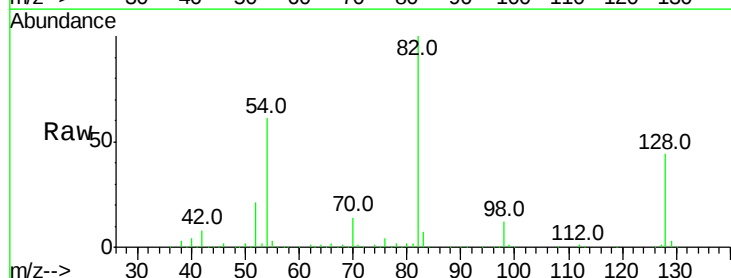
Instrument :
BNA_F
ClientSampleId :
SP-50

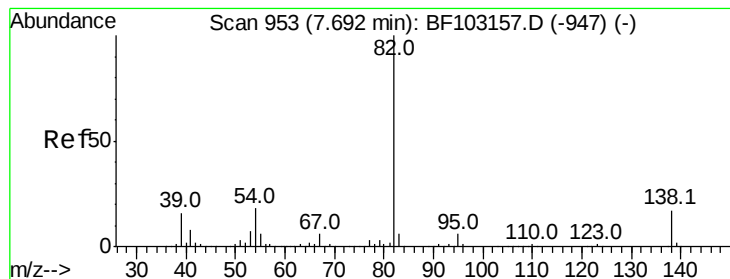
Tot Ion:	136	Resp:	669928
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	10.1	6.6	9.8#
68	6.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 75.664 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Tgt Ion:	82	Resp:	887596
Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	61.0	41.4	62.2





#25

Isophorone

Concen: 38.417 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

Instrument :

BNA_F

ClientSampleID :

SP-50

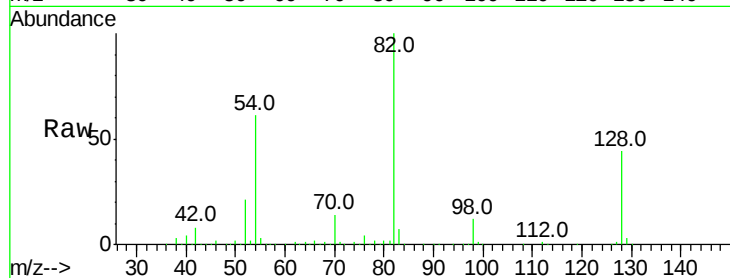
Tot Ion: 82 Resp: 887583

Ion Ratio Lower Upper

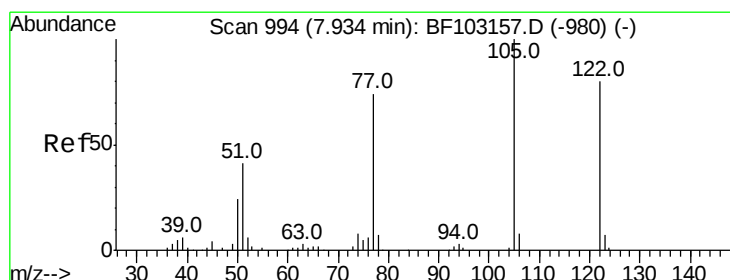
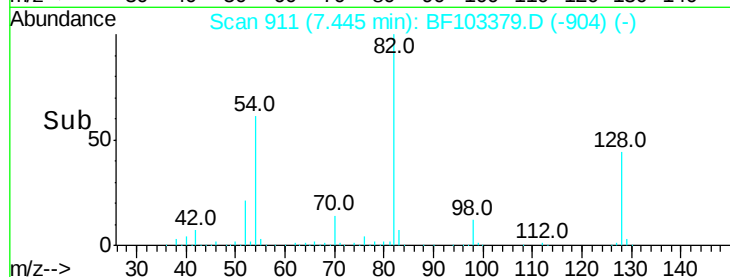
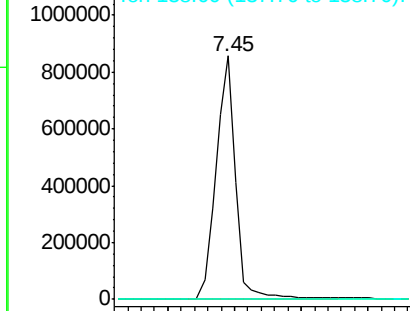
82 100

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



#32

Benzoic acid

Concen: 6.928 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.19 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

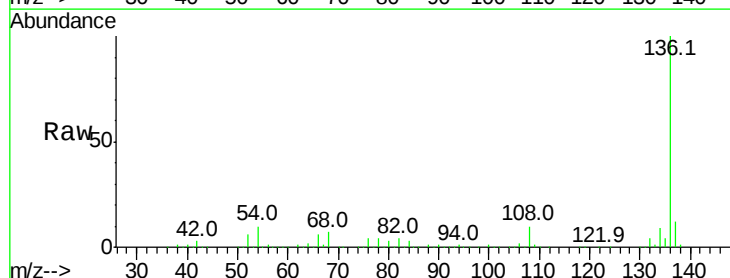
Tgt Ion:122 Resp: 111

Ion Ratio Lower Upper

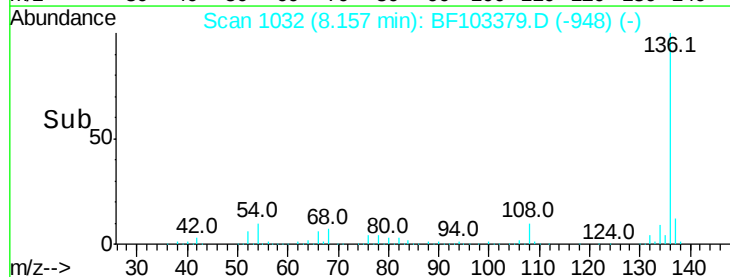
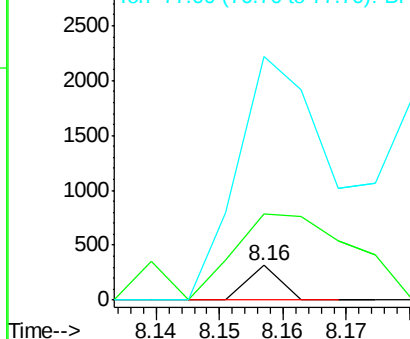
122 100

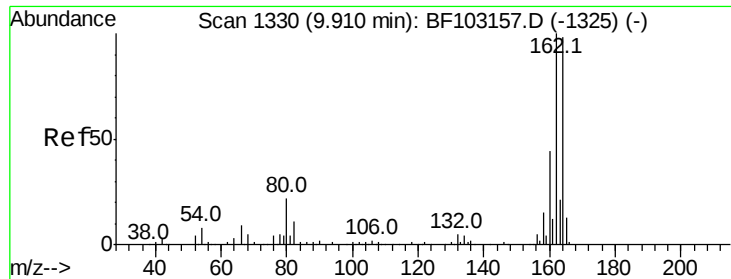
105 250.5 101.1 141.1#

77 704.4 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

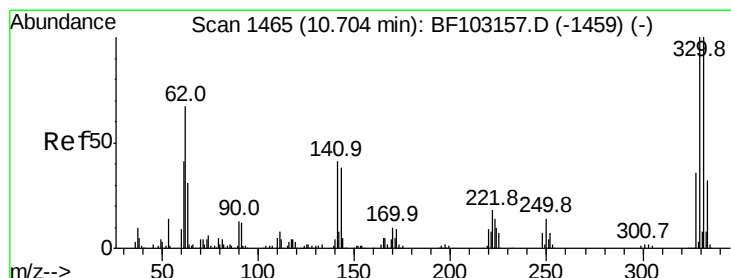
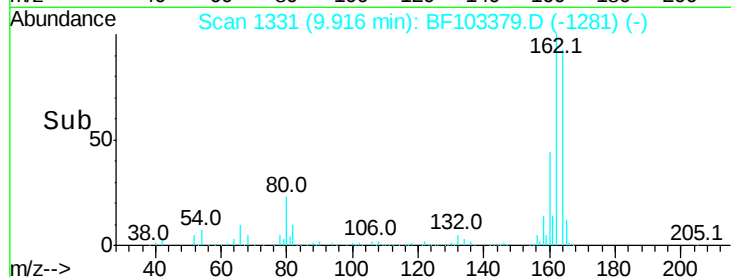
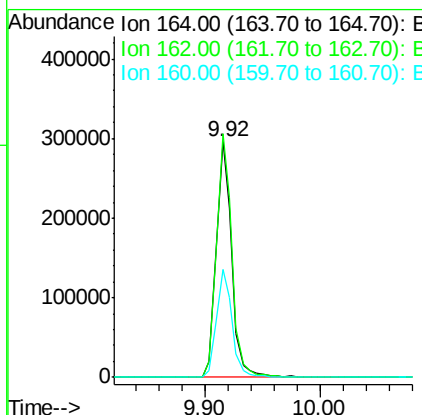
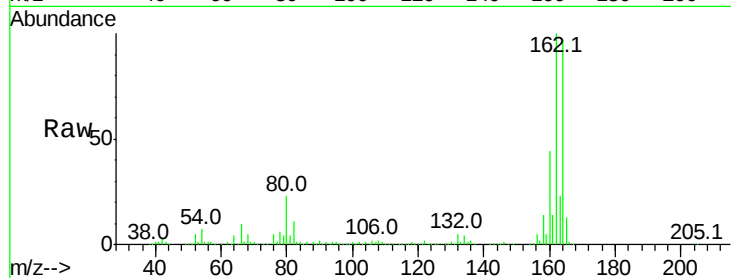




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103379.D
 Acq: 2 Mar 2018 21:29

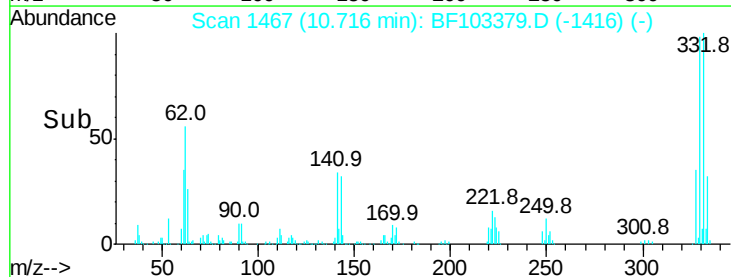
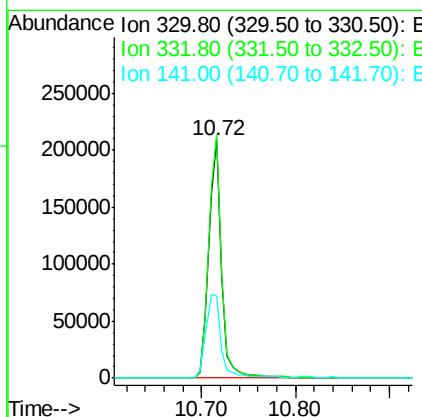
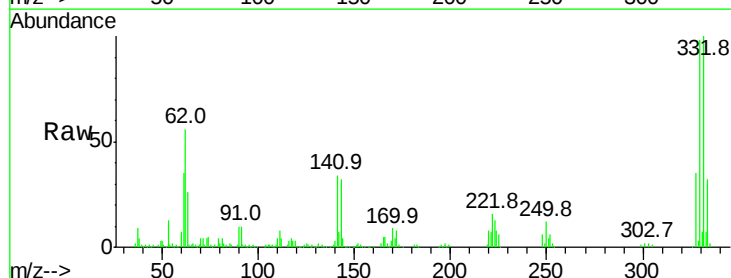
Instrument :
 BNA_F
 ClientSampleId :
 SP-50

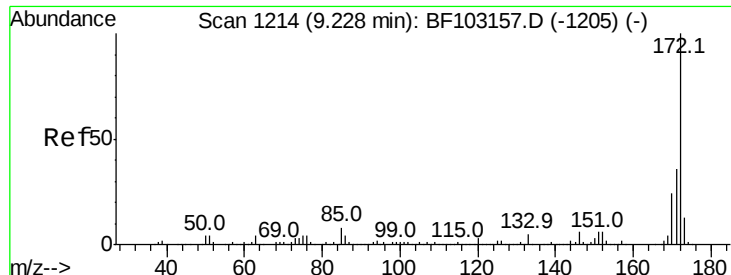
Tot Ion:164 Resp: 272693
 Ion Ratio Lower Upper
 164 100
 162 103.4 86.1 129.1
 160 45.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 87.469 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF103379.D
 Acq: 2 Mar 2018 21:29

Tgt Ion:330 Resp: 201895
 Ion Ratio Lower Upper
 330 100
 332 103.1 77.0 115.6
 141 40.9 29.9 44.9

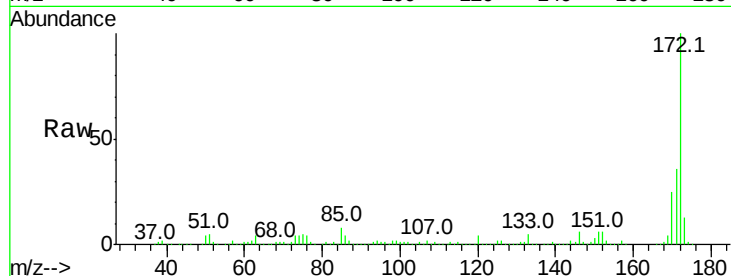




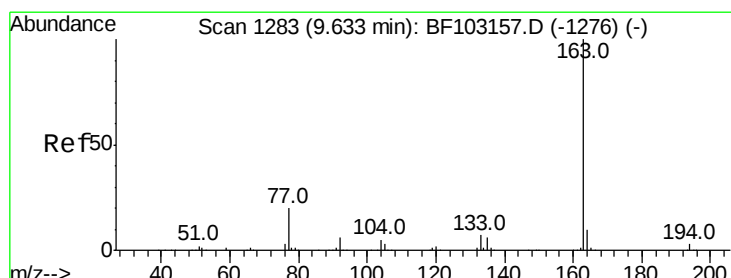
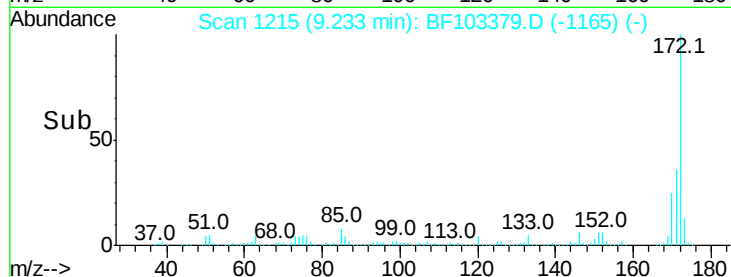
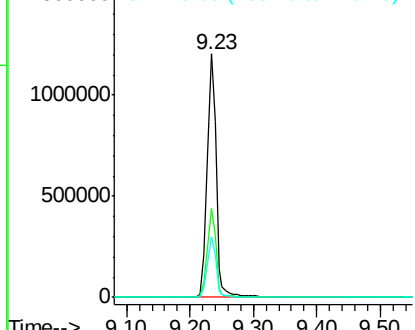
#44
2-Fluorobiphenyl
Concen: 72.952 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Instrument :
BNA_F
ClientSampleId :
SP-50

Tot Ion:172 Resp: 1194817
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.6 19.6 29.4

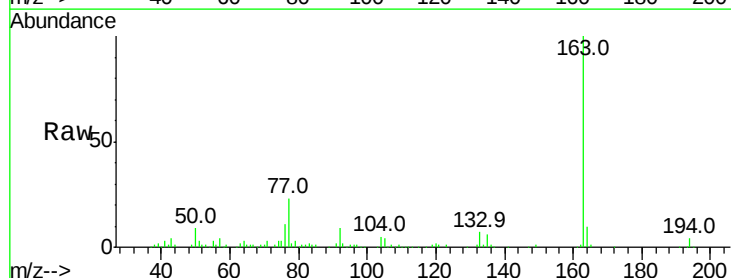


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

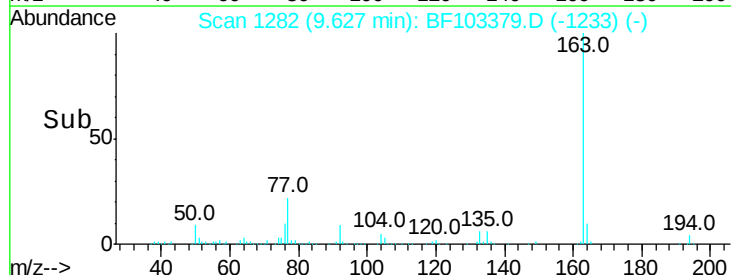
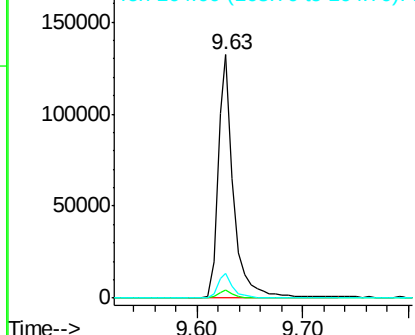


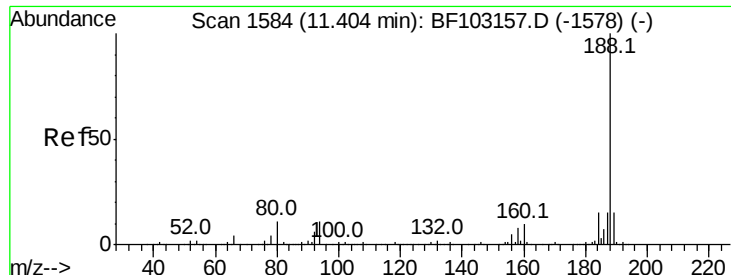
#49
Dimethylphthalate
Concen: 6.227 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Tgt Ion:163 Resp: 136217
Ion Ratio Lower Upper
163 100
194 3.6 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

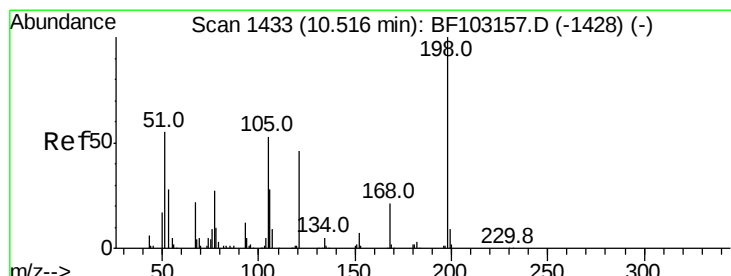
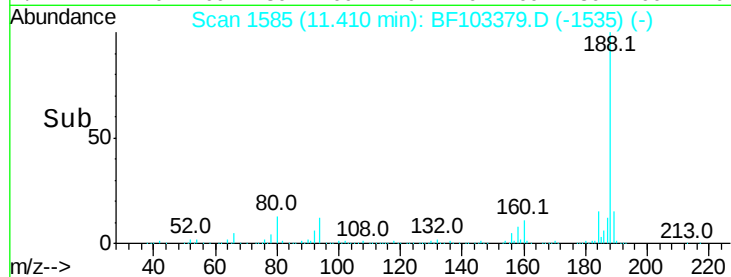
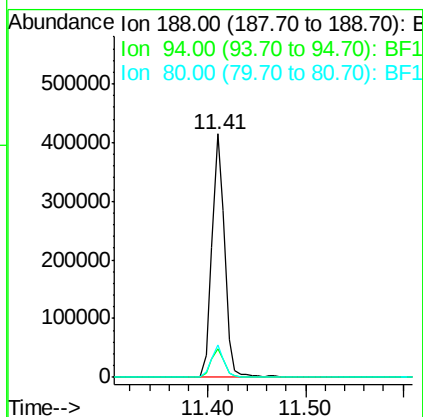
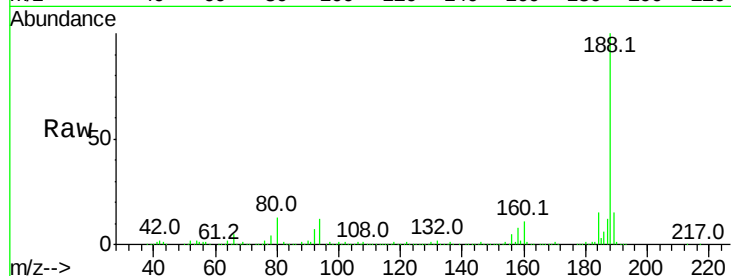




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

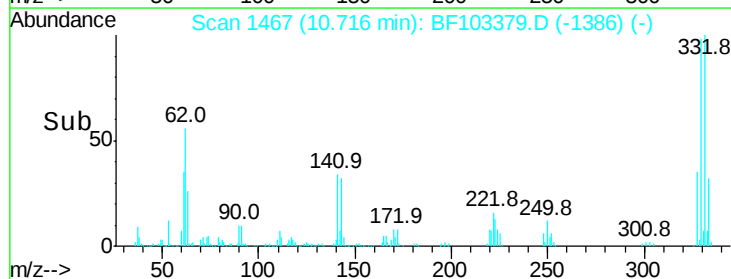
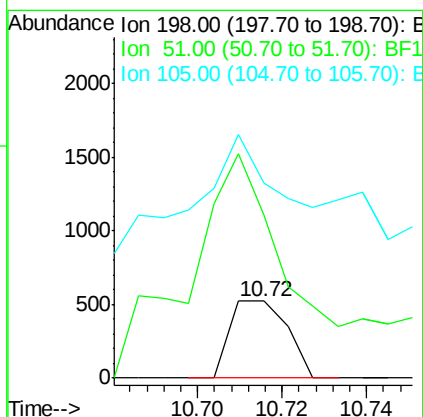
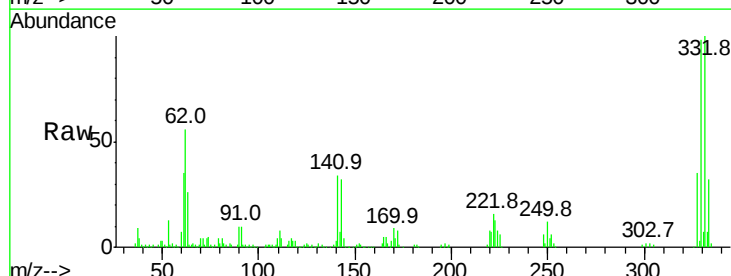
Instrument :
BNA_F
ClientSampleId :
SP-50

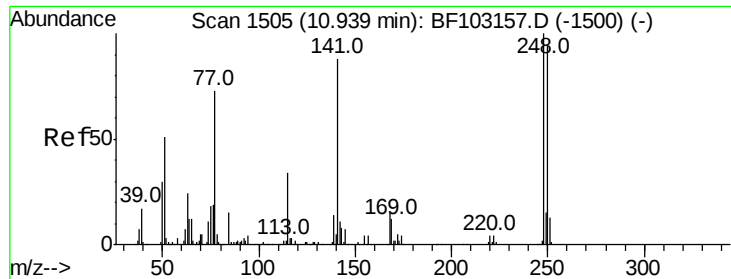
Tot Ion:188 Resp: 376239
Ion Ratio Lower Upper
188 100
94 11.8 8.5 12.7
80 13.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.137 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.18 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Tgt Ion:198 Resp: 490
Ion Ratio Lower Upper
198 100
51 212.3 37.7 77.7#
105 253.4 36.3 76.3#

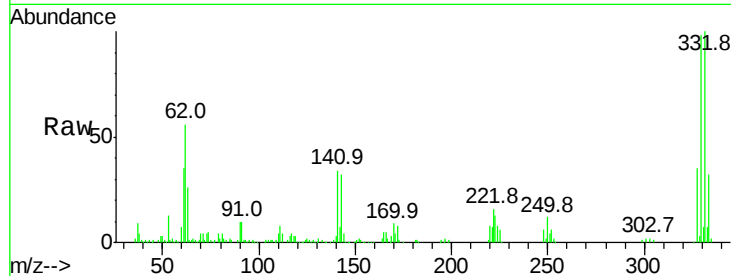




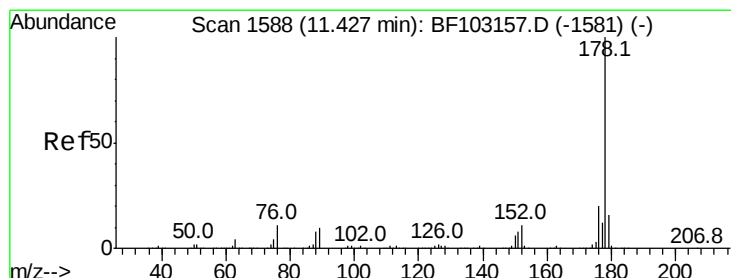
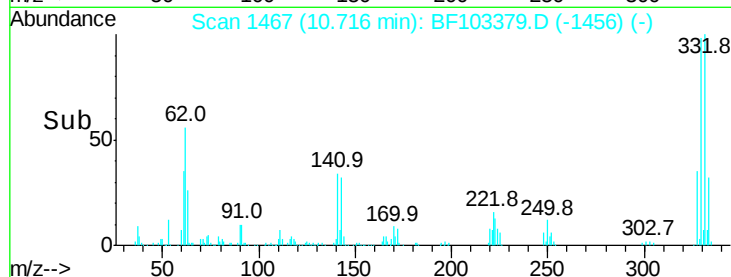
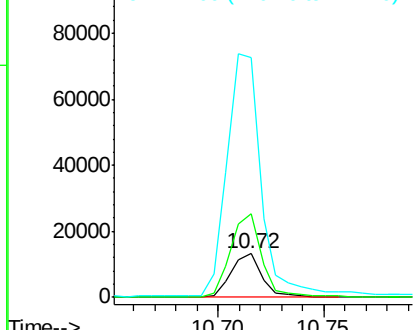
#66
4-Bromophenyl-phenylether
Concen: 3.391 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Instrument :
BNA_F
ClientSampleId :
SP-50

Tot Ion:248 Resp: 13290
Ion Ratio Lower Upper
248 100
250 193.3 76.9 115.3#
141 553.5 74.4 111.6#

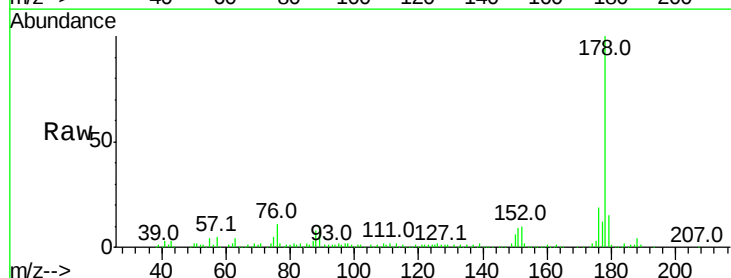


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

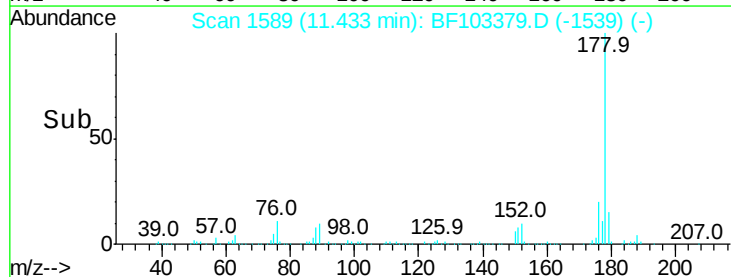
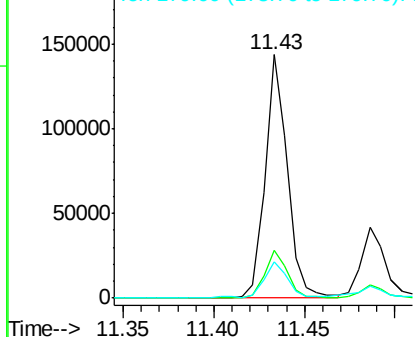


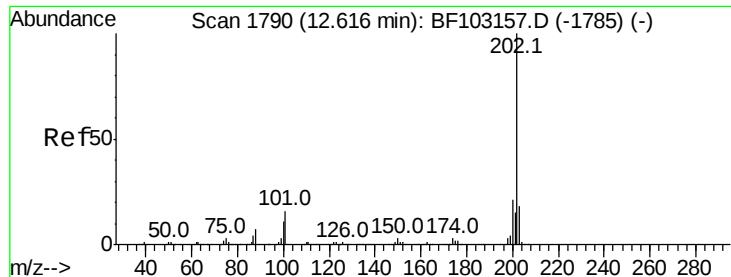
#70
Phenanthrene
Concen: 5.944 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Tgt Ion:178 Resp: 123076
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.8 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





#74

Fluoranthene

Concen: 10.219 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

Instrument :

BNA_F

ClientSampleId :

SP-50

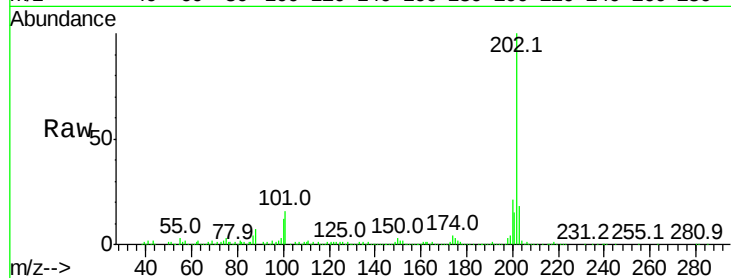
Tot Ion:202 Resp: 212630

Ion Ratio Lower Upper

202 100

101 16.2 0.0 34.1

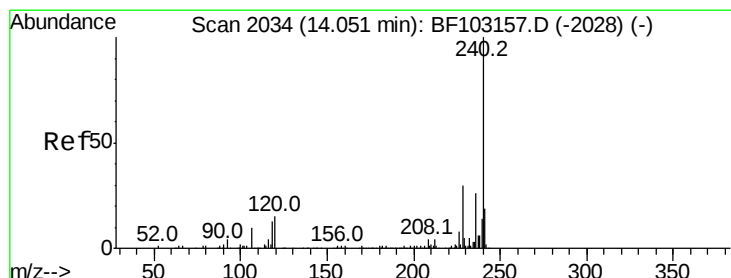
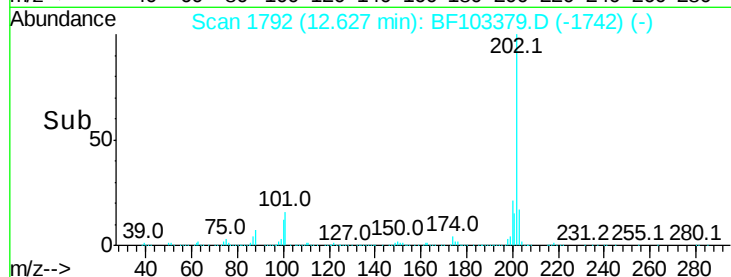
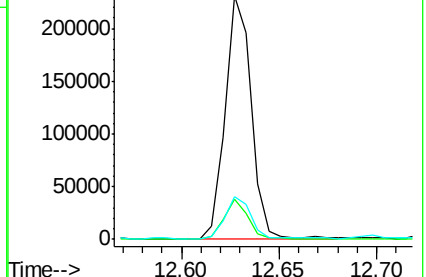
203 17.7 0.0 38.1



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

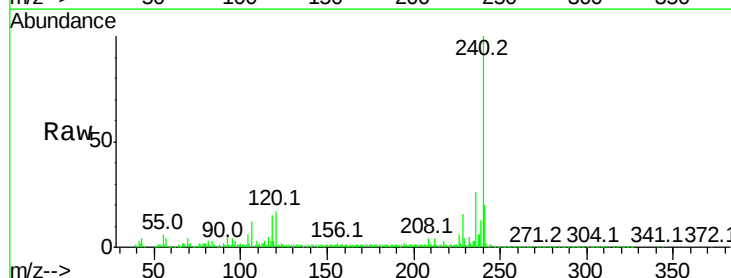
Tgt Ion:240 Resp: 250580

Ion Ratio Lower Upper

240 100

120 17.5 9.5 14.3#

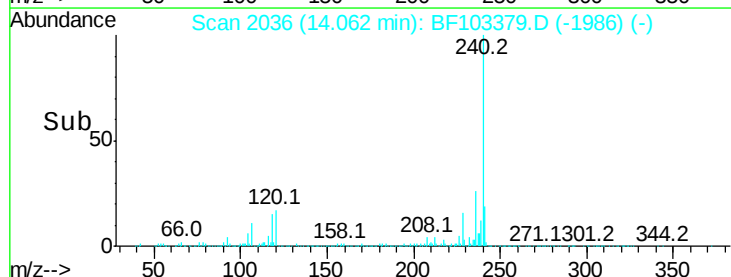
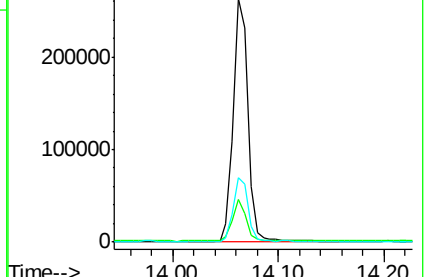
236 26.4 20.7 31.1

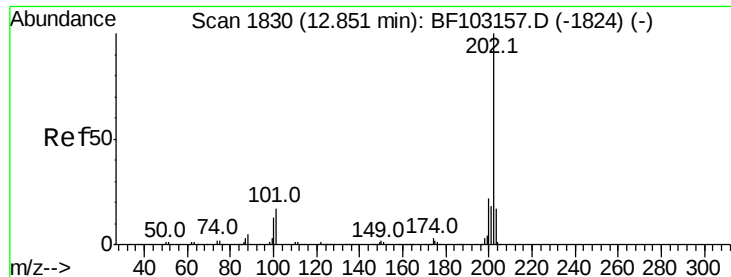


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.827 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

Instrument :

BNA_F

ClientSampleId :

SP-50

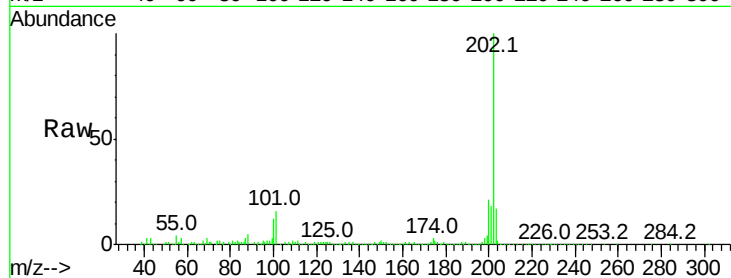
Tot Ion:202 Resp: 211520

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

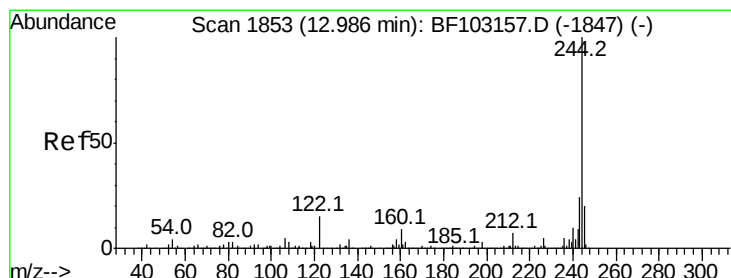
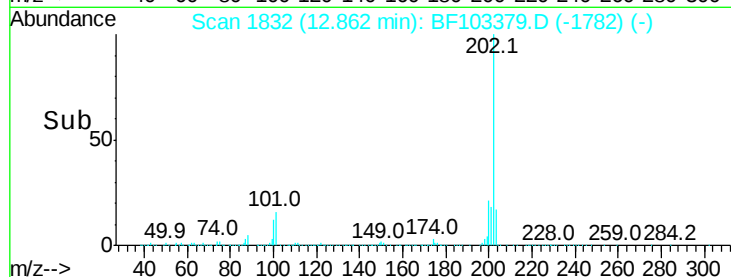
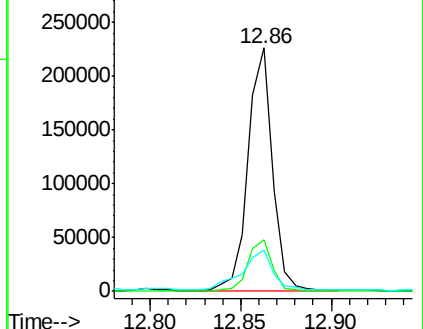
203 17.2 14.3 21.5



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: 67.209 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

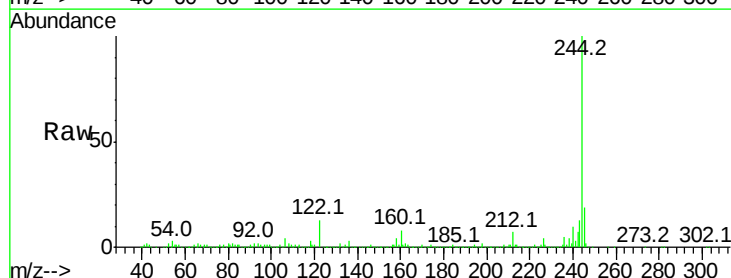
Tgt Ion:244 Resp: 700587

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

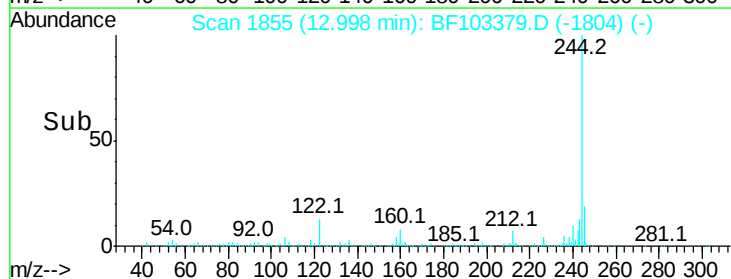
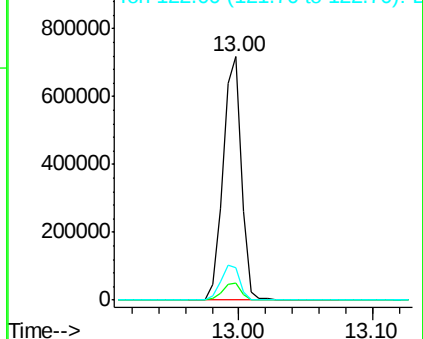
122 13.3 11.0 16.4

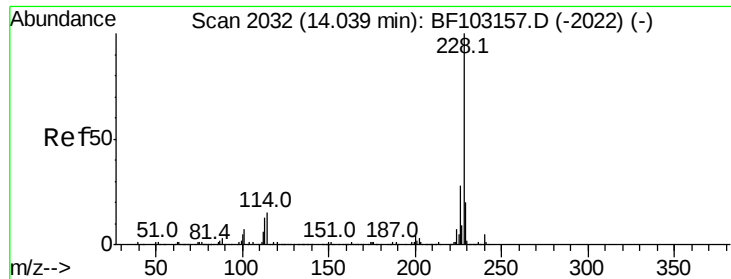


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

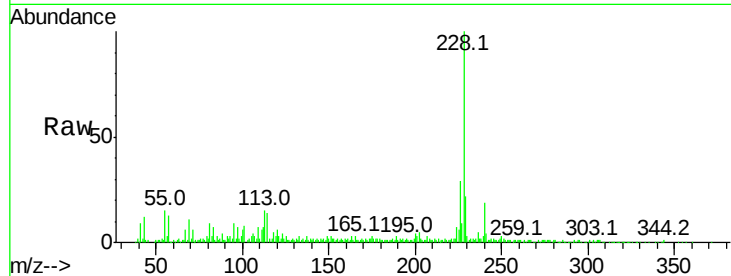




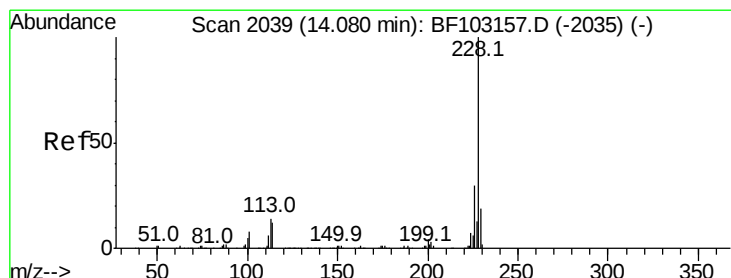
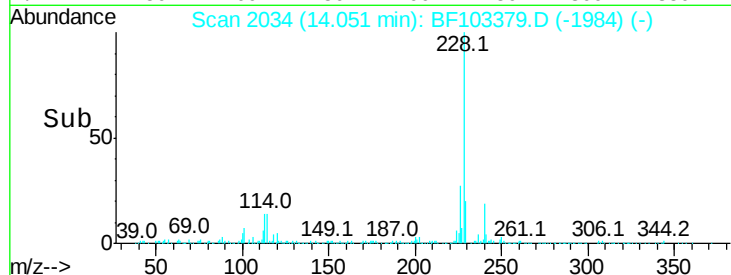
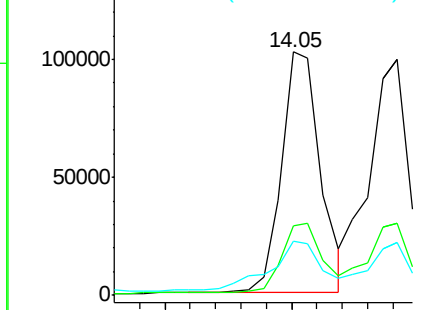
#80
Benzo(a)anthracene
Concen: 6.725 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Instrument :
BNA_F
ClientSampleId :
SP-50

Tot Ion:228 Resp: 109338
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 22.1 15.8 23.6

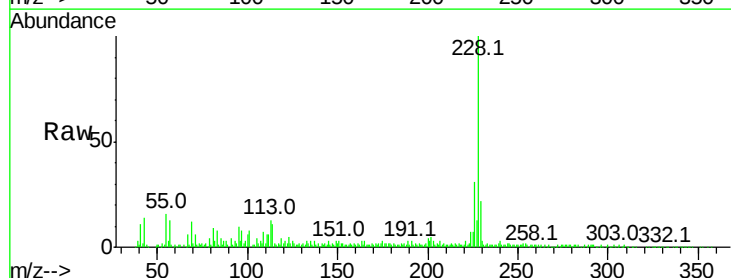


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

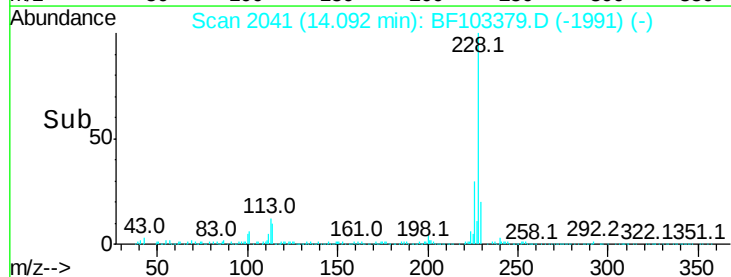
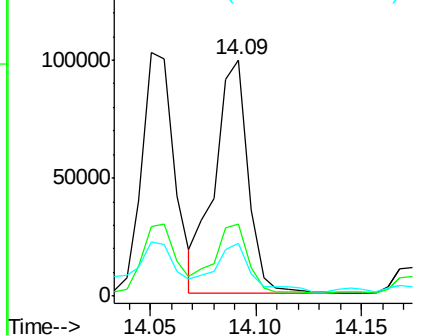


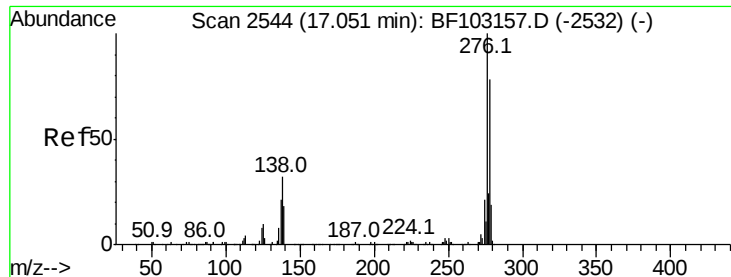
#82
Chrysene
Concen: 6.914 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Tgt Ion:228 Resp: 109143
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 22.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

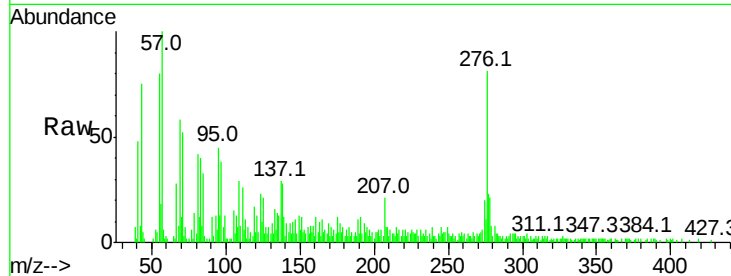




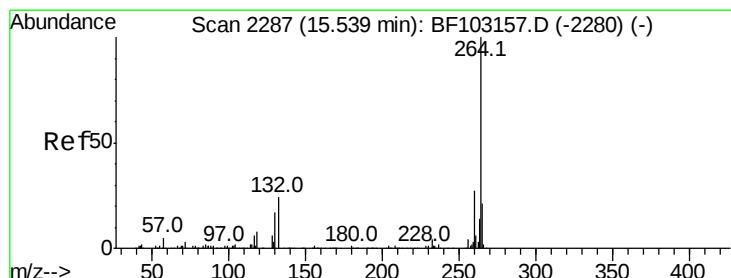
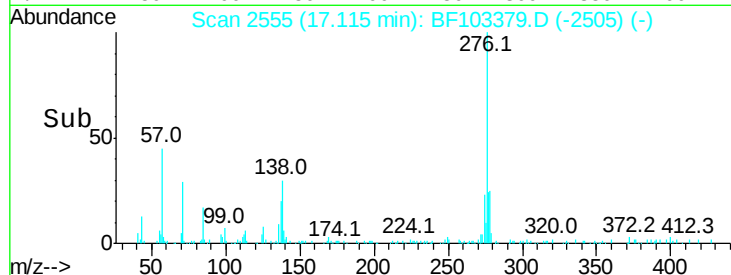
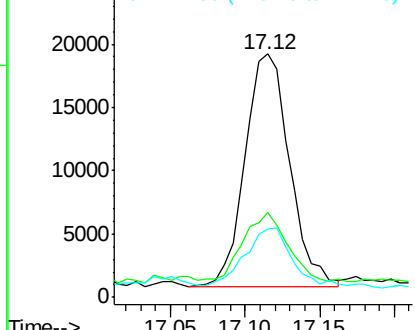
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.025 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Instrument :
BNA_F
ClientSampleId :
SP-50

Tot Ion:276 Resp: 37801
Ion Ratio Lower Upper
276 100
138 30.5 25.0 37.6
277 25.5 20.1 30.1

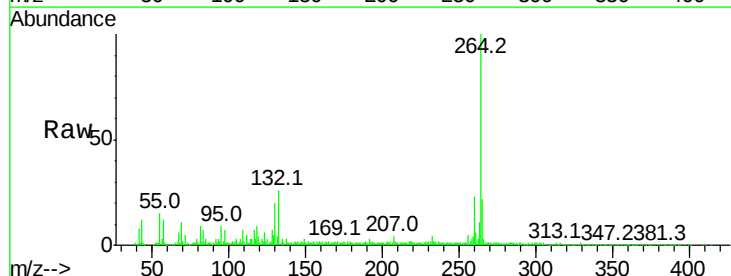


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

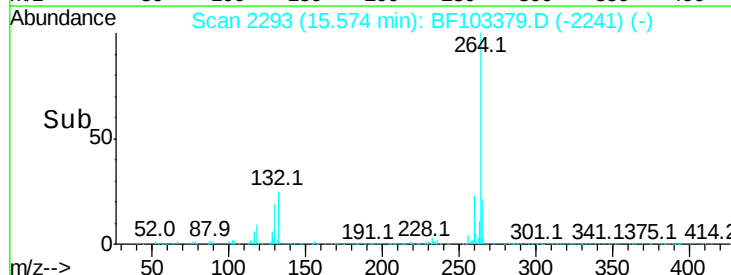
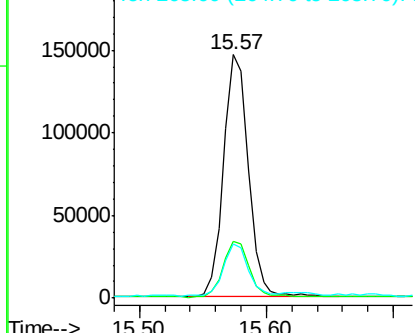


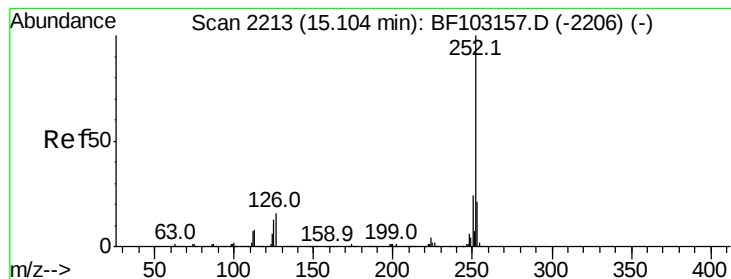
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103379.D
Acq: 2 Mar 2018 21:29

Tgt Ion:264 Resp: 199381
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 22.1 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: 11.798 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

Instrument :

BNA_F

ClientSampleId :

SP-50

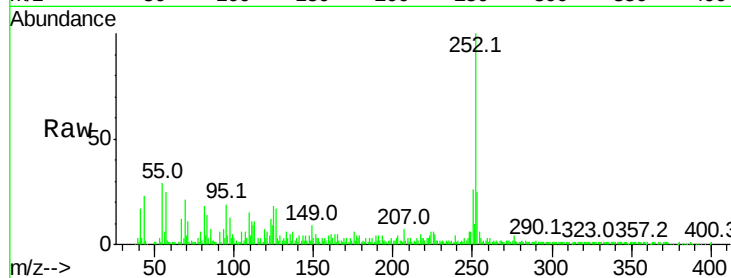
Tot Ion:252 Resp: 154668

Ion Ratio Lower Upper

252 100

253 25.2 17.0 25.6

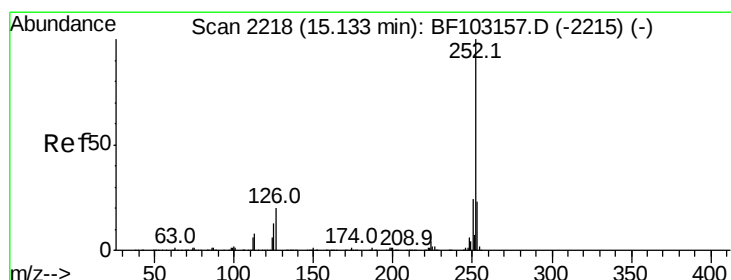
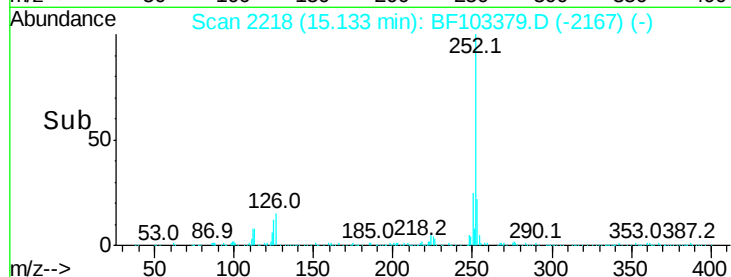
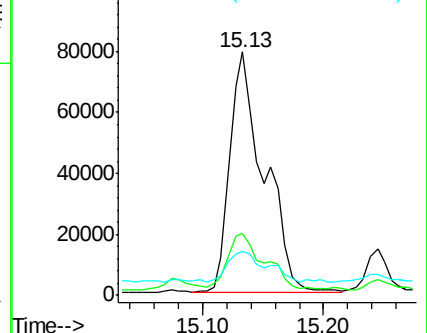
125 17.8 9.0 13.6#



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: 12.529 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.03 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

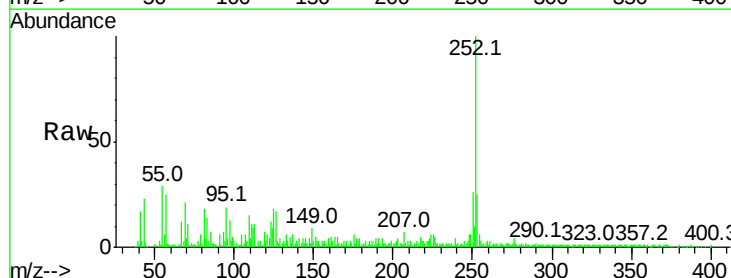
Tgt Ion:252 Resp: 154668

Ion Ratio Lower Upper

252 100

253 25.2 17.9 26.9

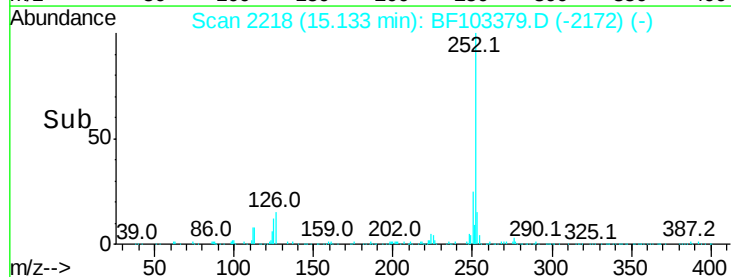
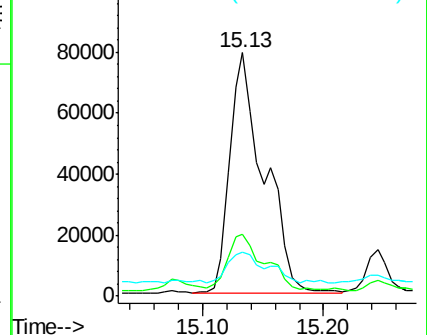
125 17.8 10.2 15.2#

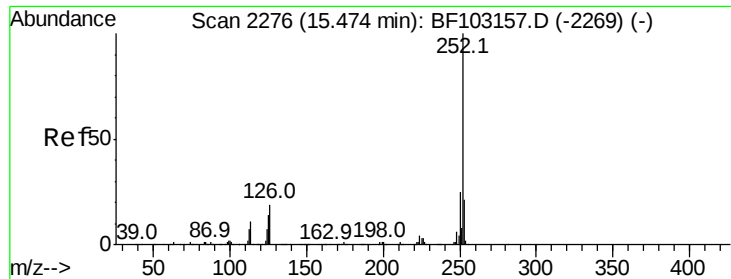


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.638 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

Instrument :

BNA_F

ClientSampleId :

SP-50

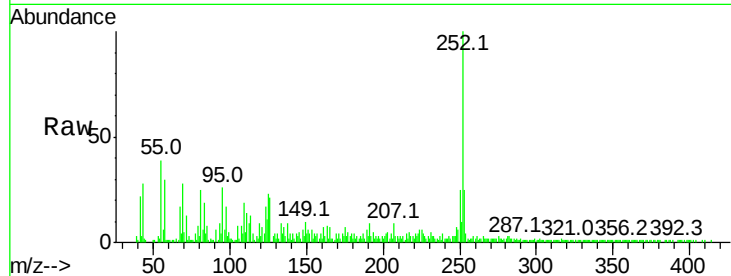
Tot Ion:252 Resp: 77710

Ion Ratio Lower Upper

252 100

253 25.5 17.1 25.7

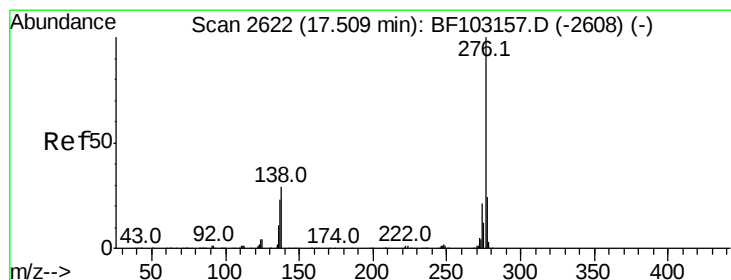
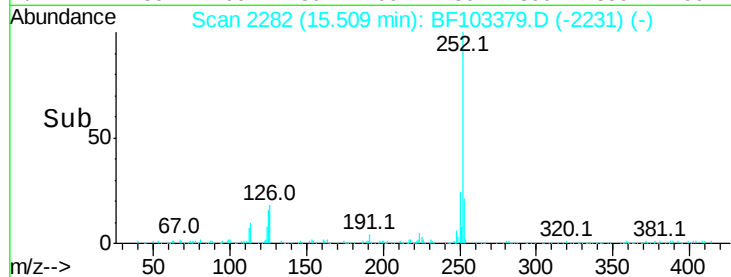
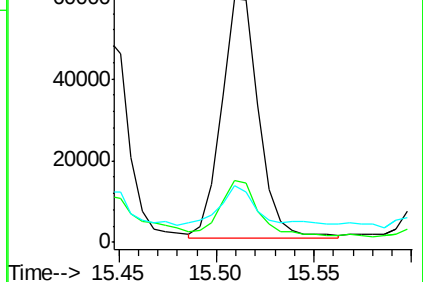
125 23.3 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.298 ng

RT: 17.59 min Scan# 2635

Delta R.T. 0.01 min

Lab File: BF103379.D

Acq: 2 Mar 2018 21:29

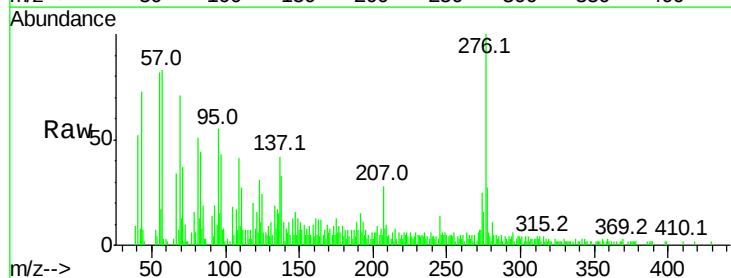
Tgt Ion:276 Resp: 37995

Ion Ratio Lower Upper

276 100

277 27.2 17.9 26.9#

138 33.5 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

