

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103374.D
 Acq On : 2 Mar 2018 19:18
 Operator : SJ/JU
 Sample : J1720-13RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-49

Quant Time: Mar 02 22:07:17 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	157741	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	658513	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	253440	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	357380	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	238205	20.00	ng	0.00
86) Perylene-d12	15.57	264	220819	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1150387	110.30	ng	0.00
7) Phenol-d6	6.52	99	1351512	105.90	ng	0.00
23) Nitrobenzene-d5	7.45	82	897926	77.87	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	199738	93.11	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1191224	79.78	ng	0.00
78) Terphenyl-d14	12.99	244	723387	73.00	ng	0.00

Target Compounds

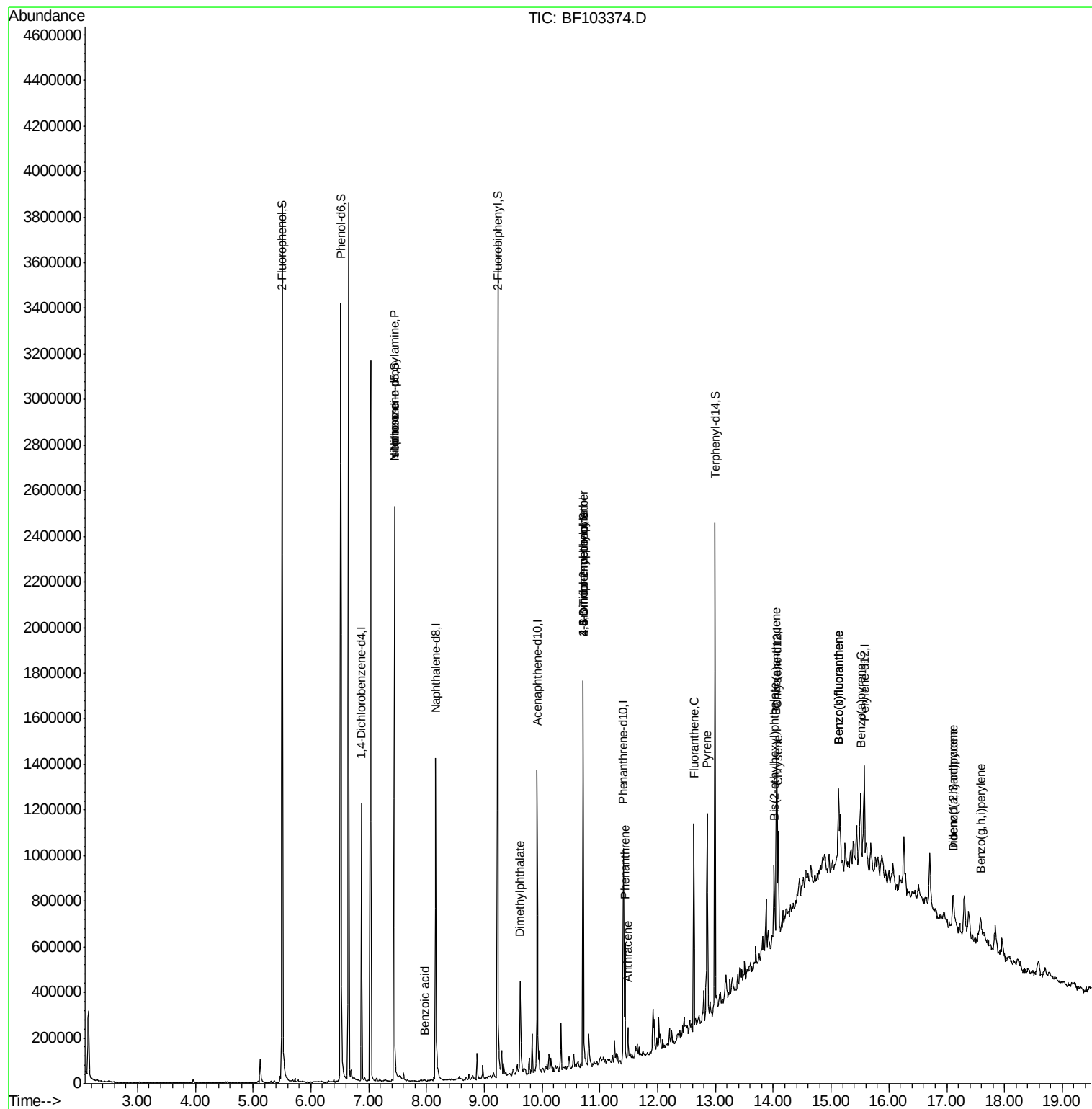
						Qvalue
9) Benzaldehyde	6.52	77	2730	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	117156	14.750	ng	# 83
25) Isophorone	7.45	82	897922	39.538	ng	# 64
32) Benzoic acid	7.97	122	143	6.932	ng	# 86
49) Dimethylphthalate	9.62	163	167889	8.258	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.71	198	350	5.090	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	12349	3.317	ng	# 1
70) Phenanthrene	11.43	178	194844	9.907	ng	98
71) Anthracene	11.49	178	63118	3.130	ng	99
74) Fluoranthene	12.63	202	342272	17.318	ng	99
77) Pyrene	12.86	202	346037	18.632	ng	100
80) Benzo(a)anthracene	14.05	228	188601	12.203	ng	99
82) Chrysene	14.09	228	166618	11.103	ng	97
83) Bis(2-ethylhexyl)phthalate	14.02	149	85215	6.436	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.12	276	73359	6.175	ng	96
87) Benzo(b)fluoranthene	15.13	252	283813	19.548	ng	# 87
88) Benzo(k)fluoranthene	15.13	252	283813	20.759	ng	# 90
89) Benzo(a)pyrene	15.51	252	143424	11.062	ng	# 89
90) Dibenzo(a,h)anthracene	17.11	278	21139	2.110	ng	# 53
91) Benzo(a,h,i)perylene	17.59	276	73776	7.535	ng	# 87

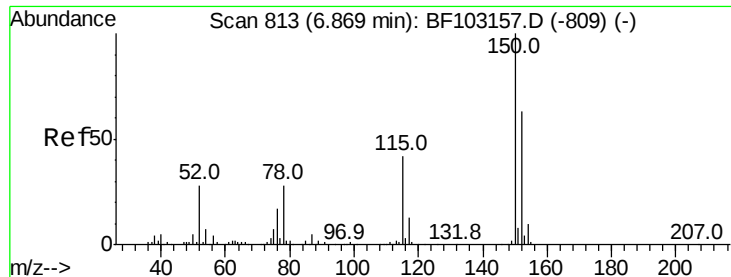
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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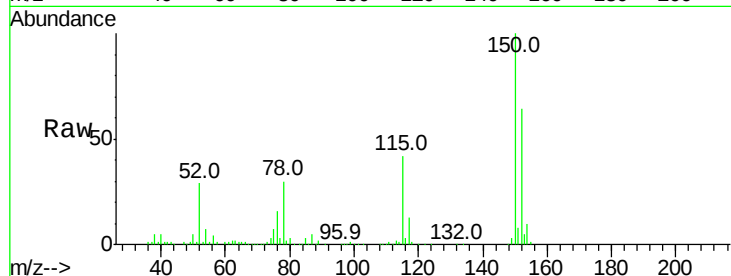


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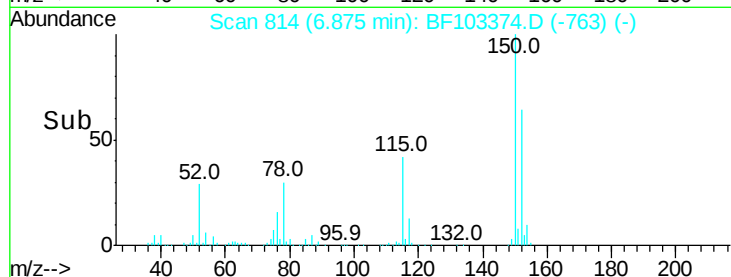
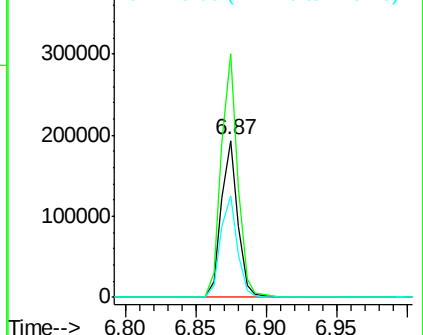
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Instrument :
BNA_F
ClientSampleId :
SP-49

Tot Ion:152 Resp: 157741
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 64.6 50.1 75.1



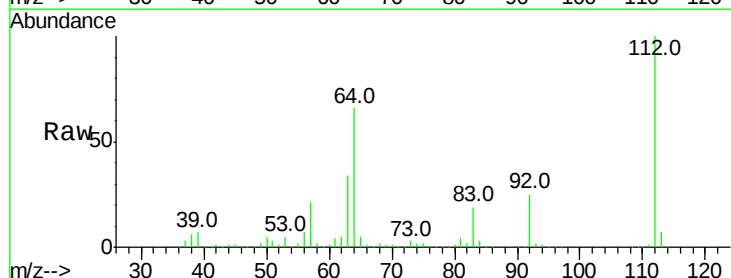
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



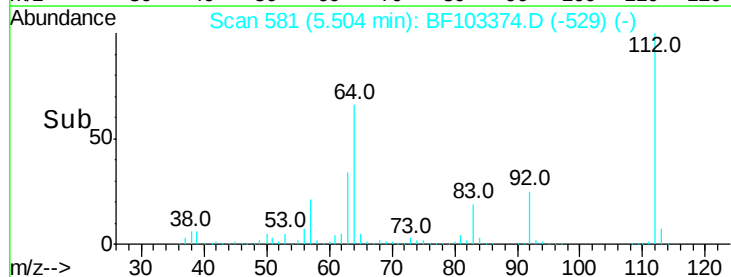
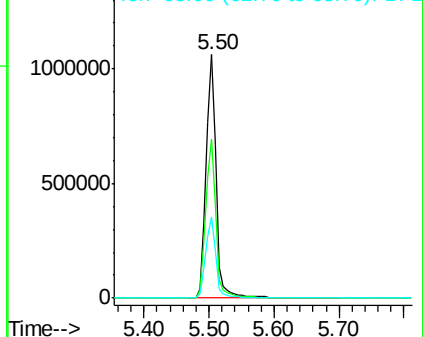
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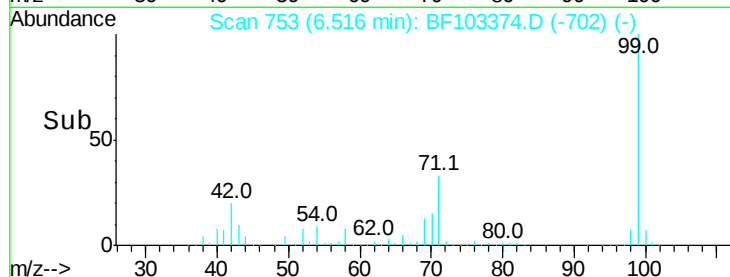
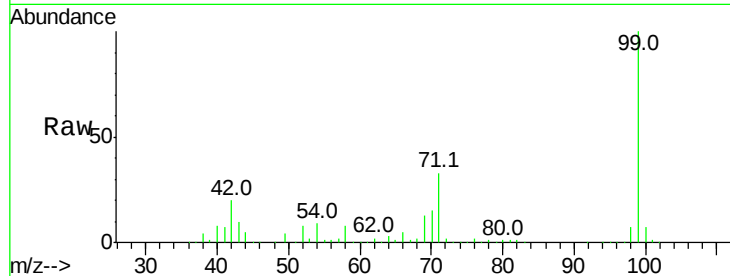
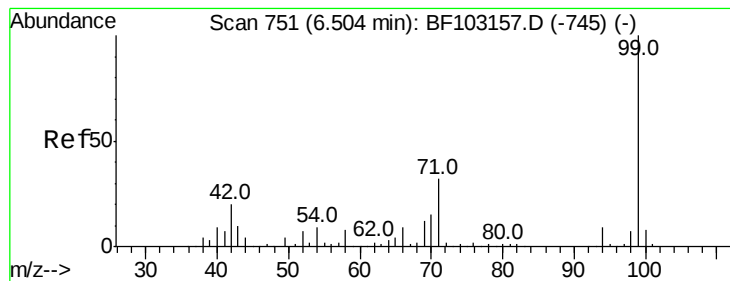
2-Fluorophenol
Concen: 110.300 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion:112 Resp: 1150387
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 33.6 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: 105.899 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

ClientSampleId :

SP-49

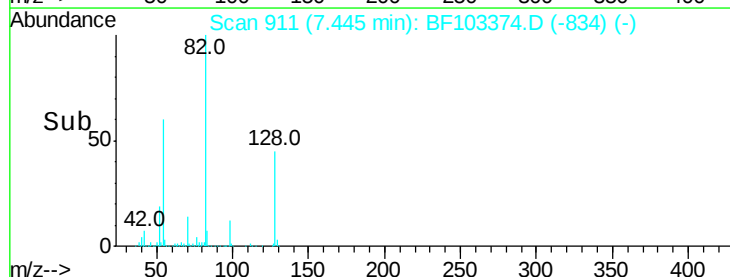
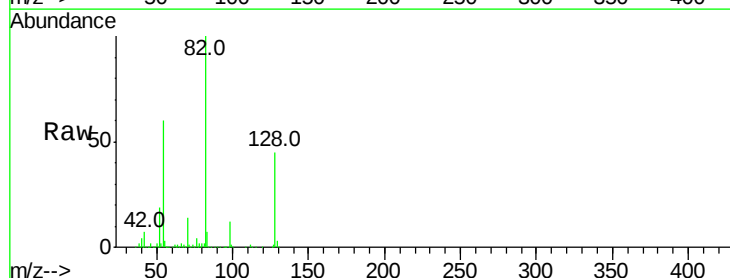
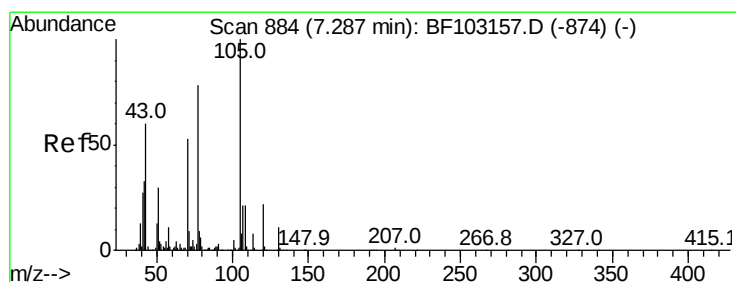
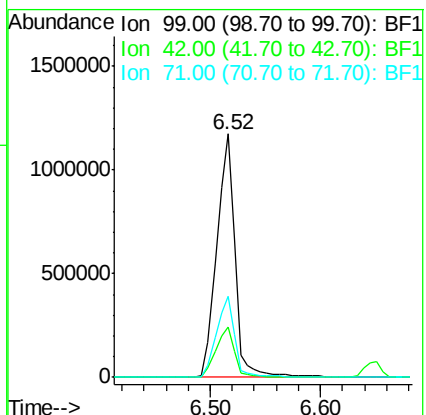
Tot Ion: 99 Resp: 1351512

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

71 33.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.750 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Tgt Ion: 70 Resp: 117156

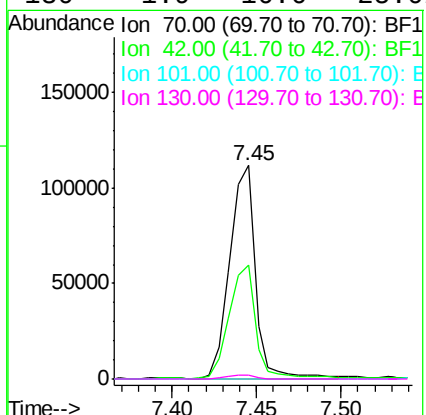
Ion Ratio Lower Upper

70 100

42 53.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

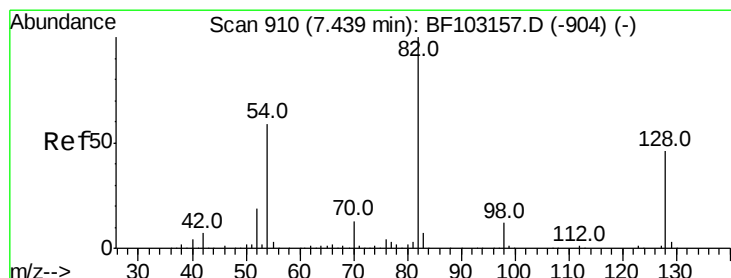
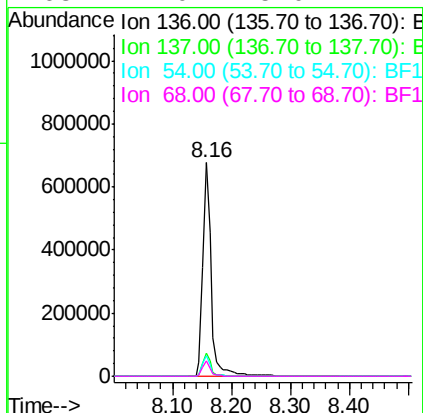
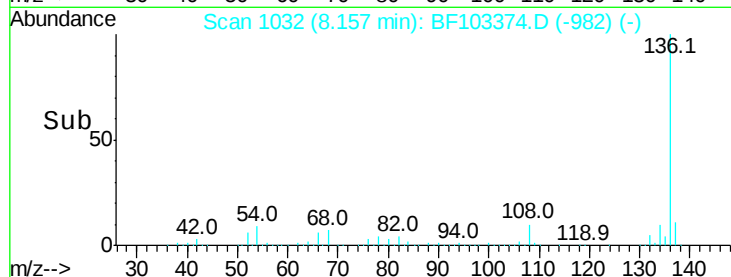
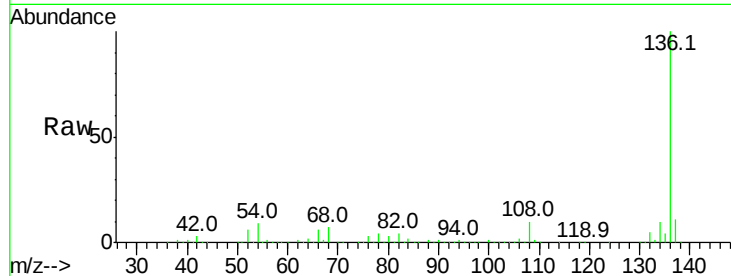




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

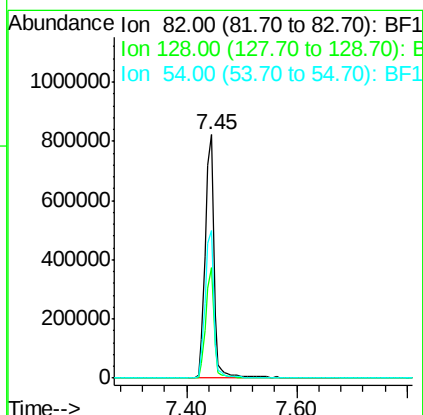
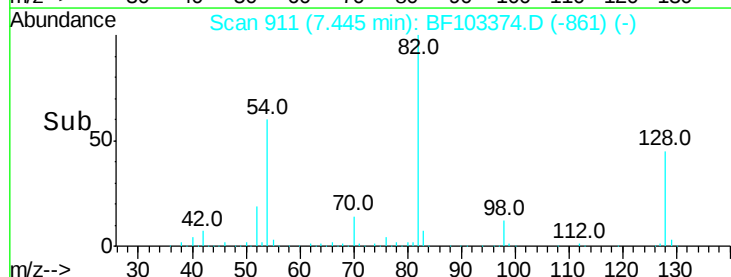
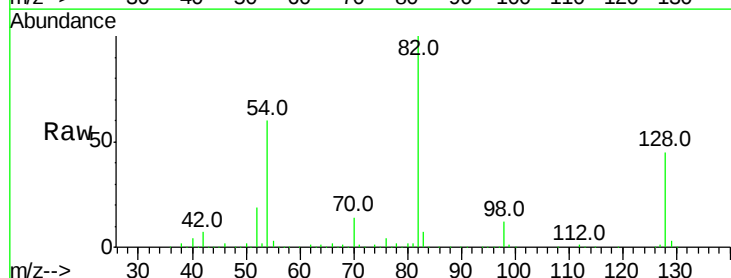
Instrument :
BNA_F
ClientSampleId :
SP-49

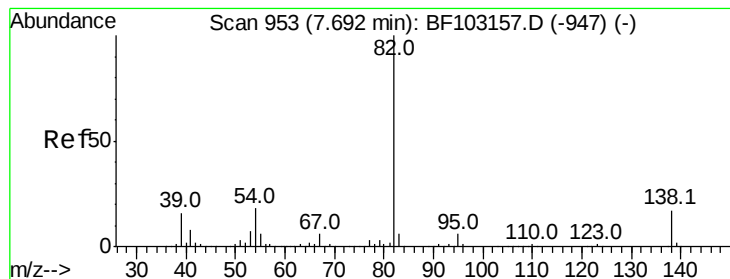
Tot Ion:136	Resp:	658513
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	9.5	6.6 9.8
68	7.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 77.871 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion: 82	Resp:	897926
Ion Ratio	Lower	Upper
82	100	
128	45.2	36.1 54.1
54	60.5	41.4 62.2





#25

Isophorone

Concen: 39.538 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

ClientSampleId :

SP-49

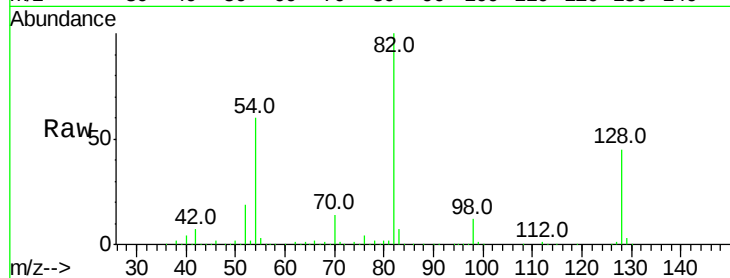
Tot Ion: 82 Resp: 897922

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

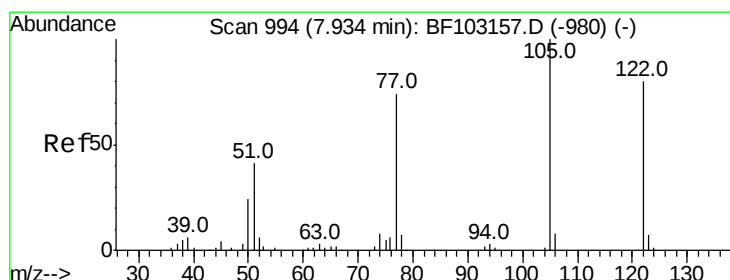
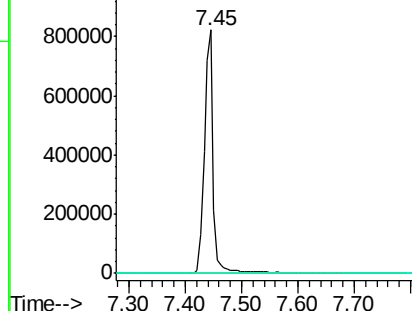
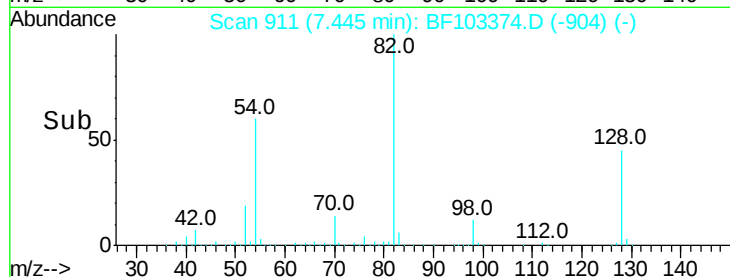
138 0.0 14.9 22.3#



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: 6.932 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

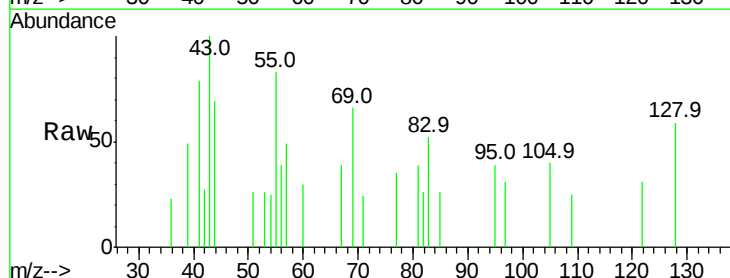
Tgt Ion:122 Resp: 143

Ion Ratio Lower Upper

122 100

105 128.8 101.1 141.1

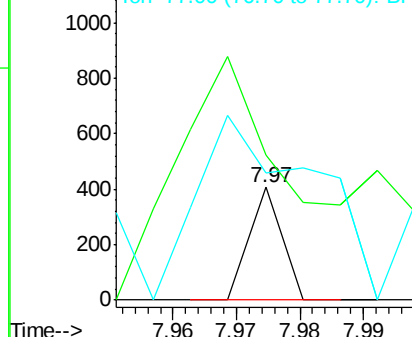
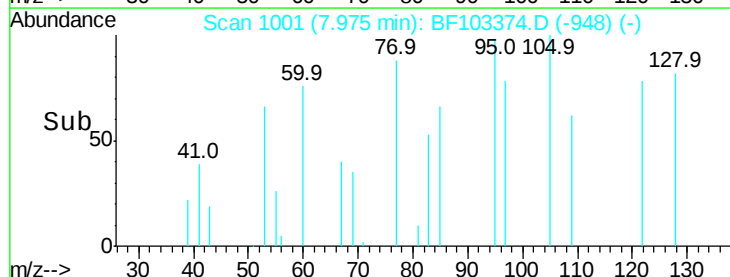
77 113.1 70.7 110.7#

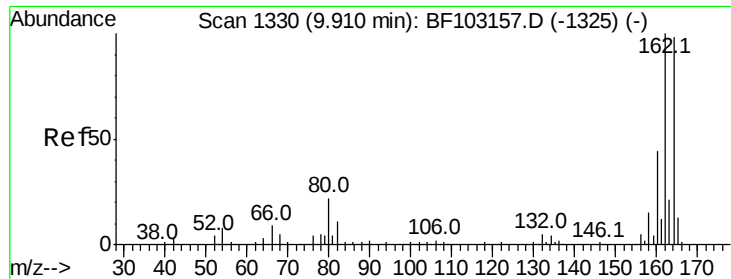


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

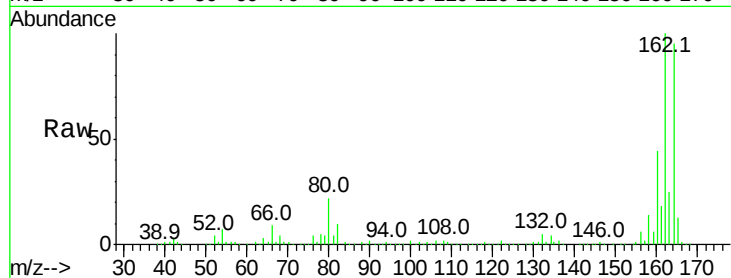




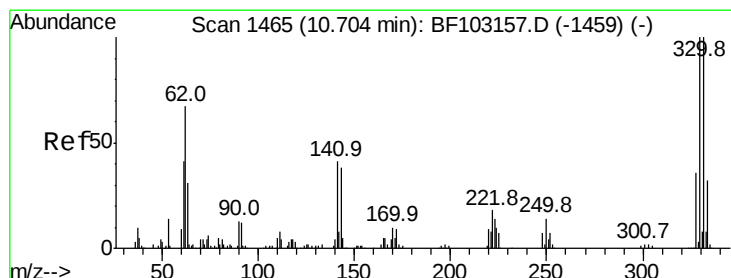
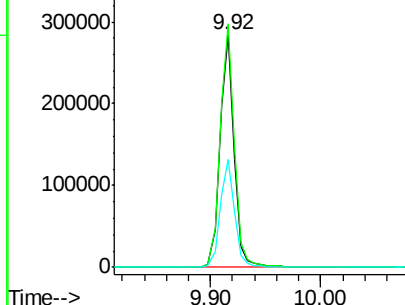
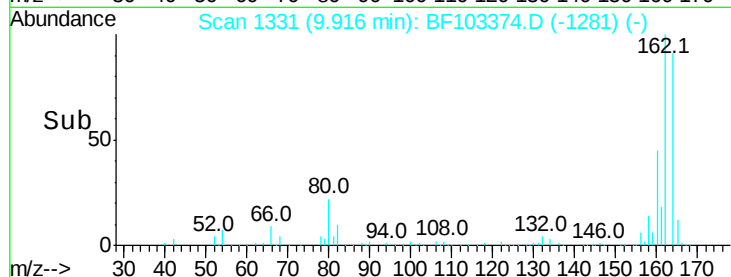
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Instrument :
BNA_F
ClientSampleId :
SP-49

Tot Ion:164 Resp: 253440
Ion Ratio Lower Upper
164 100
162 104.9 86.1 129.1
160 46.6 38.3 57.5

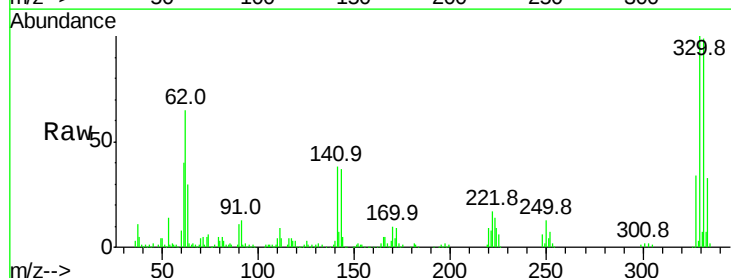


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

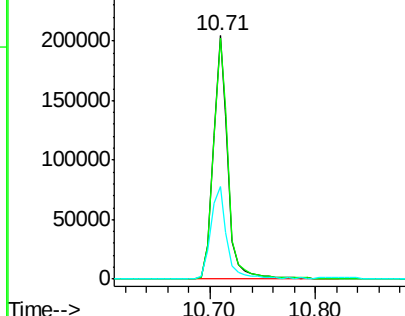
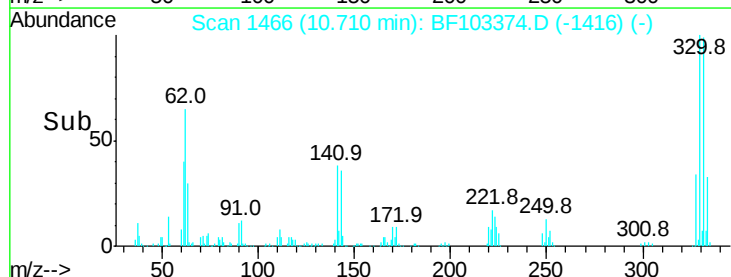


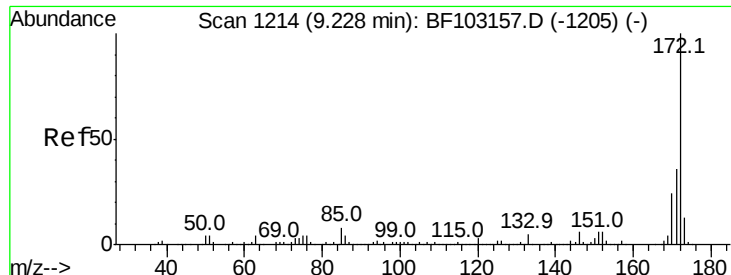
#41
2,4,6-Tribromophenol
Concen: 93.108 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion:330 Resp: 199738
Ion Ratio Lower Upper
330 100
332 101.0 77.0 115.6
141 41.2 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

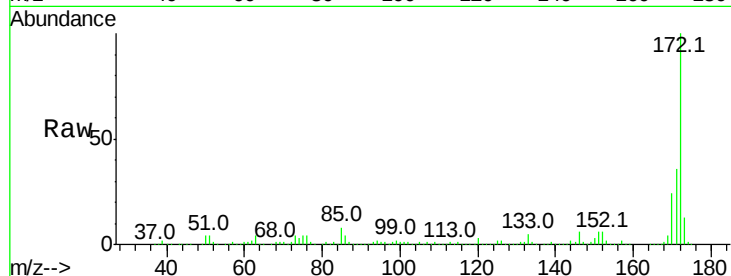




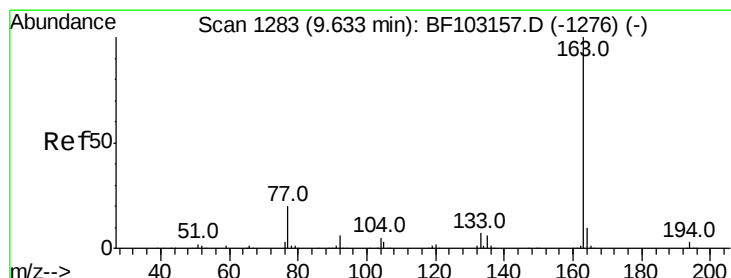
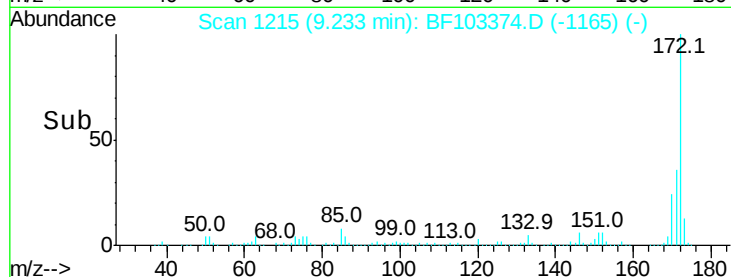
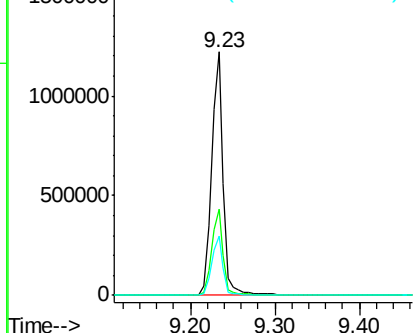
#44
2-Fluorobiphenyl
Concen: 79.783 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Instrument :
BNA_F
ClientSampleId :
SP-49

Tot Ion:172 Resp: 1191224
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 24.4 19.6 29.4

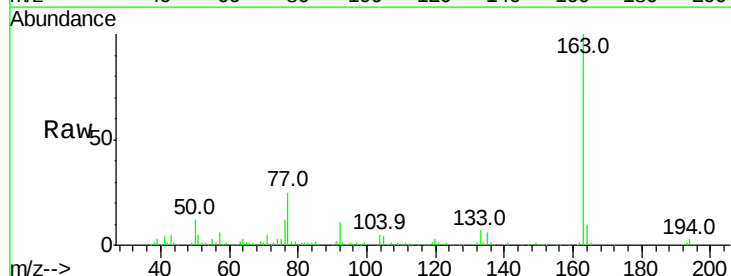


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

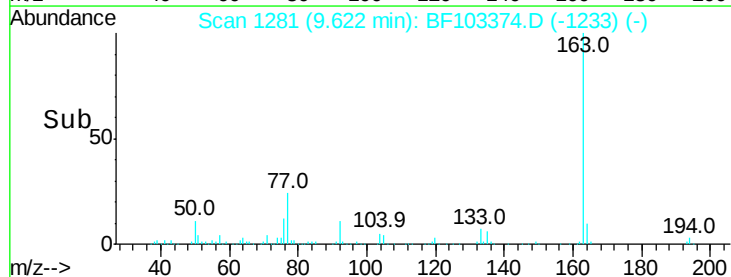
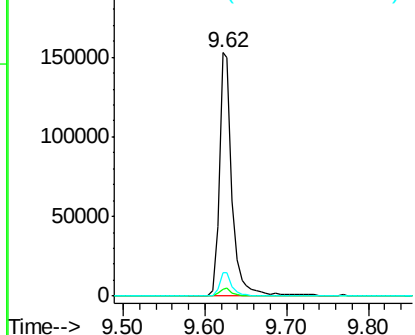


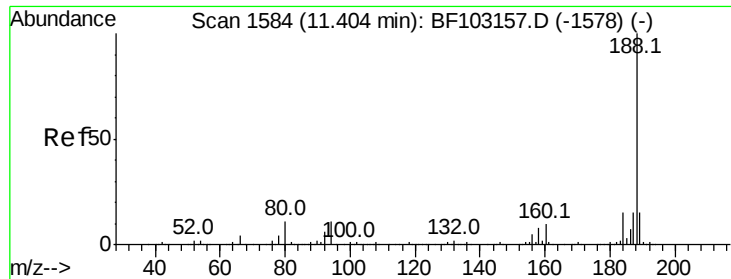
#49
Dimethylphthalate
Concen: 8.258 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion:163 Resp: 167889
Ion Ratio Lower Upper
163 100
194 2.6 2.7 4.1#
164 9.7 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

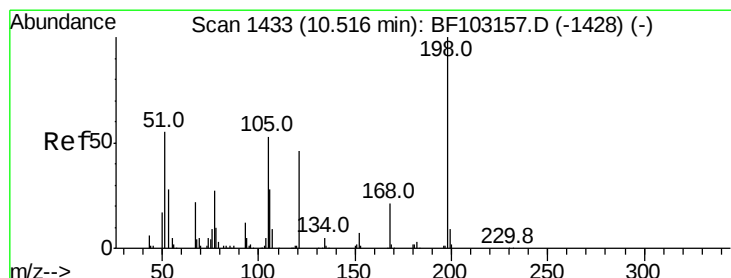
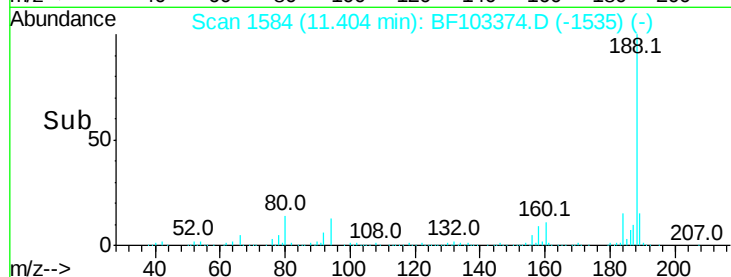
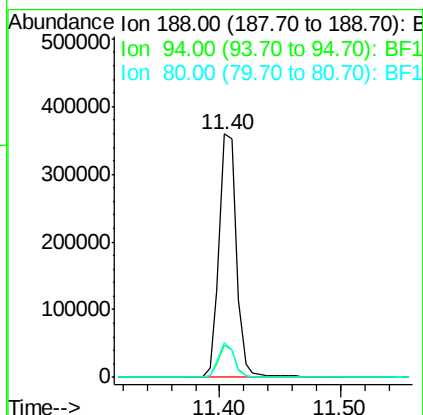
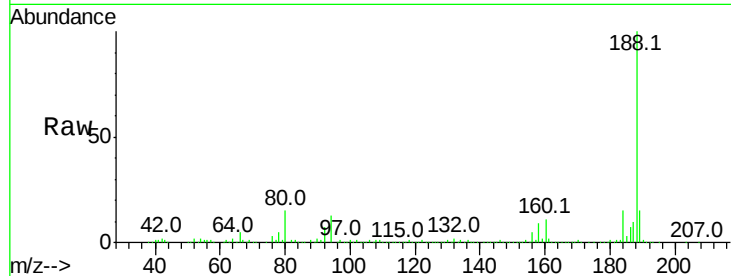




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

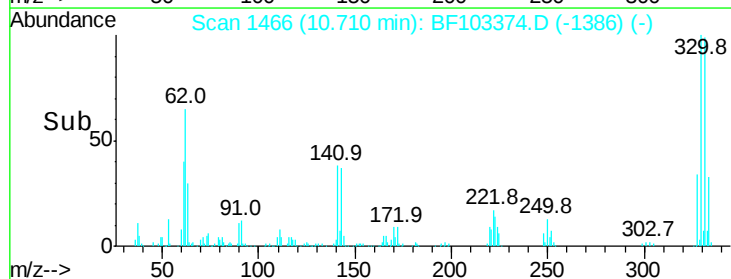
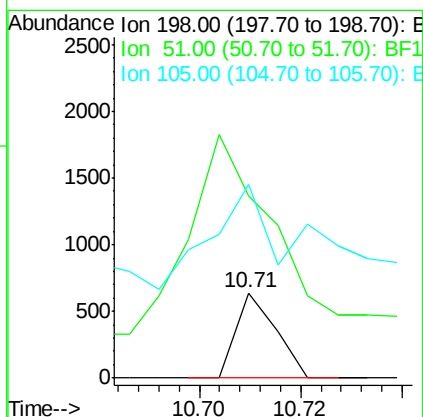
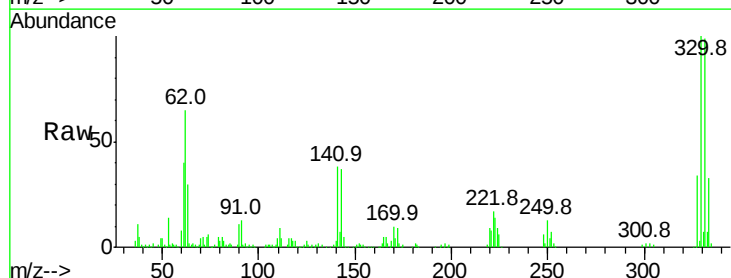
Instrument :
BNA_F
ClientSampleId :
SP-49

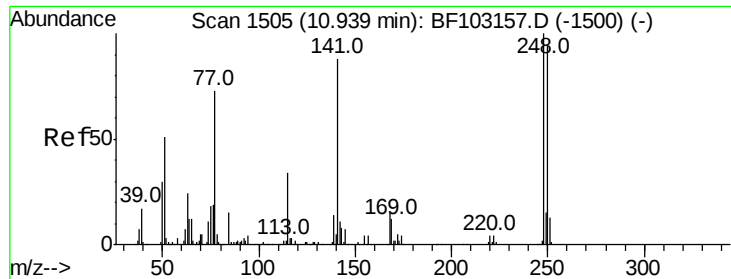
Tot Ion:188 Resp: 357380
Ion Ratio Lower Upper
188 100
94 13.1 8.5 12.7#
80 14.5 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.090 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.17 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion:198 Resp: 350
Ion Ratio Lower Upper
198 100
51 213.9 37.7 77.7#
105 227.9 36.3 76.3#

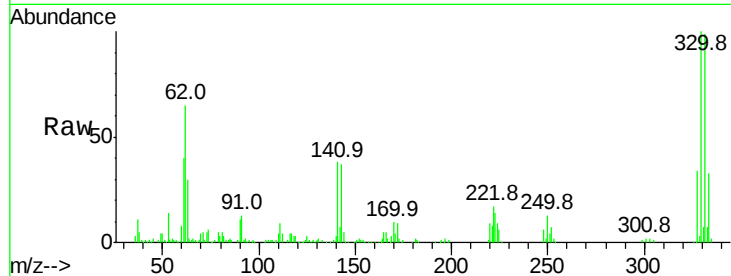




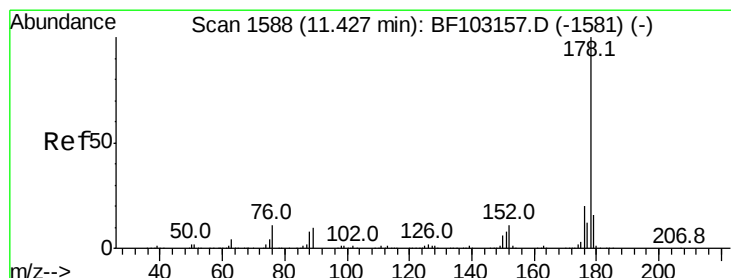
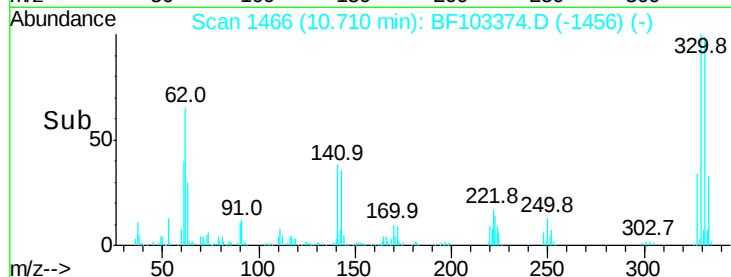
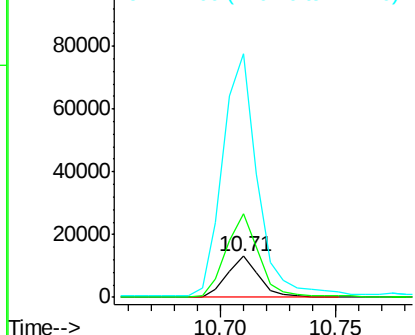
#66
 4-Bromophenyl-phenylether
 Concen: 3.317 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103374.D
 Acq: 2 Mar 2018 19:18

Instrument :
 BNA_F
 ClientSampled :
 SP-49

Tot Ion:248 Resp: 12349
 Ion Ratio Lower Upper
 248 100
 250 203.0 76.9 115.3#
 141 592.9 74.4 111.6#

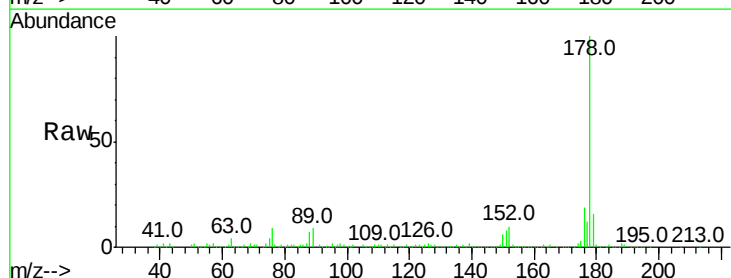


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

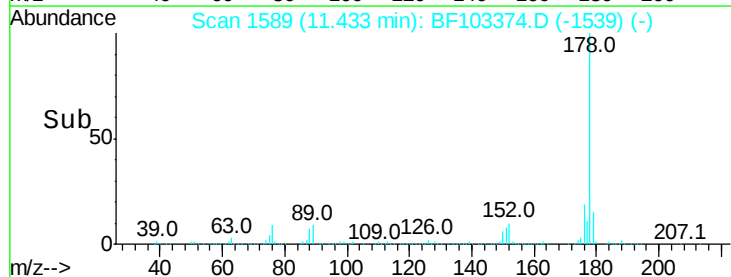
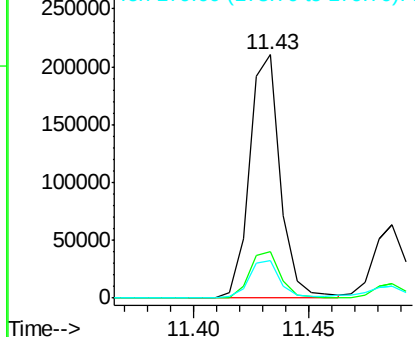


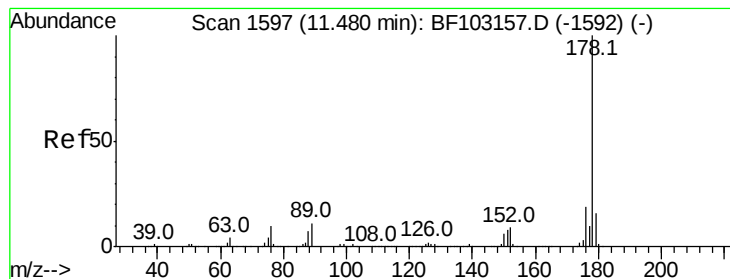
#70
 Phenanthrene
 Concen: 9.907 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF103374.D
 Acq: 2 Mar 2018 19:18

Tgt Ion:178 Resp: 194844
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.5 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: 3.130 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

ClientSampleId :

SP-49

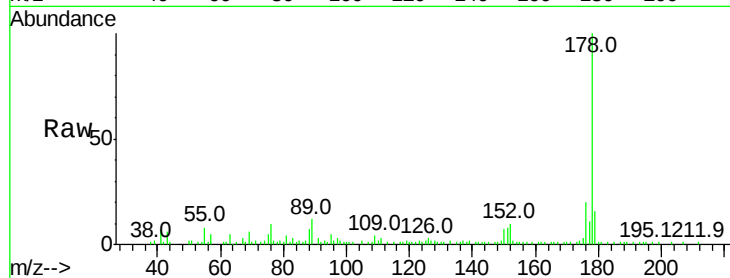
Tot Ion:178 Resp: 63118

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.2

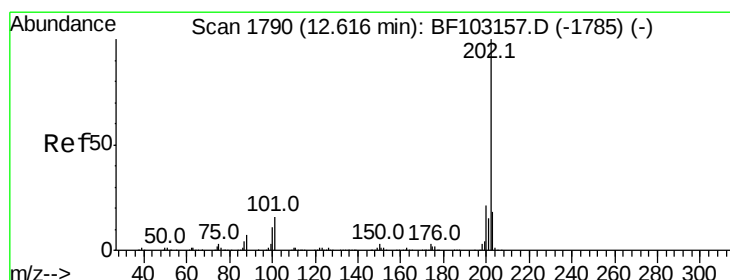
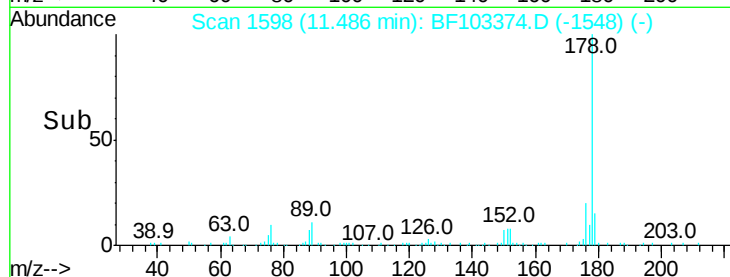
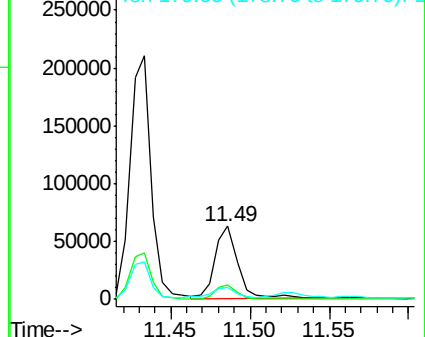
179 15.9 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 17.318 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

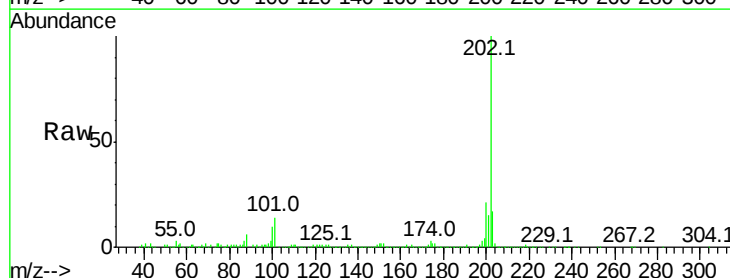
Tgt Ion:202 Resp: 342272

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

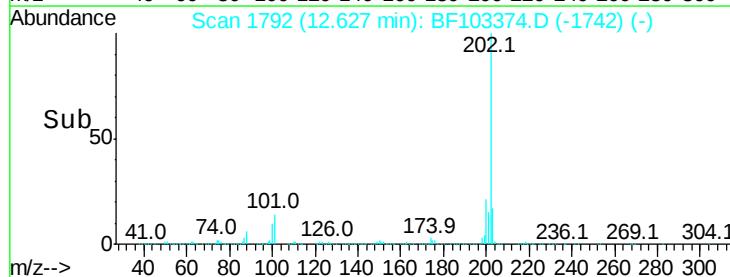
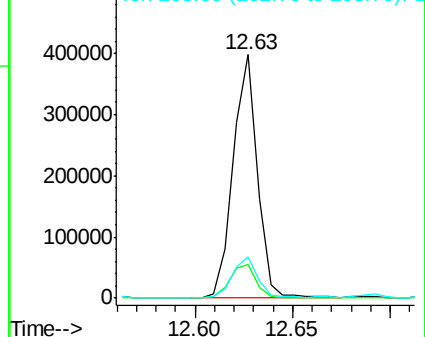
203 17.3 0.0 38.1

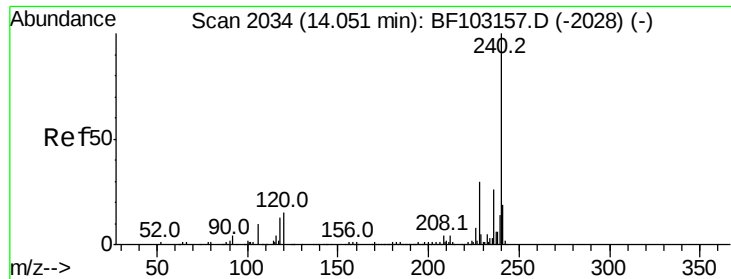


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

ClientSampleId :

SP-49

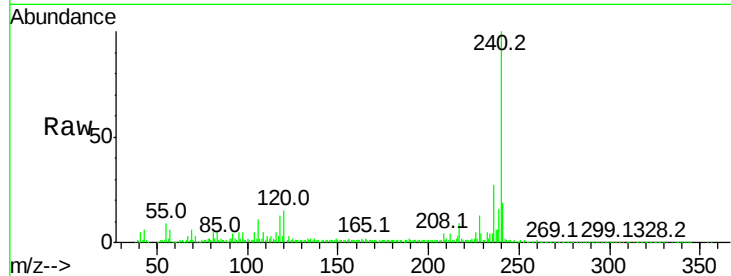
Tot Ion:240 Resp: 238205

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

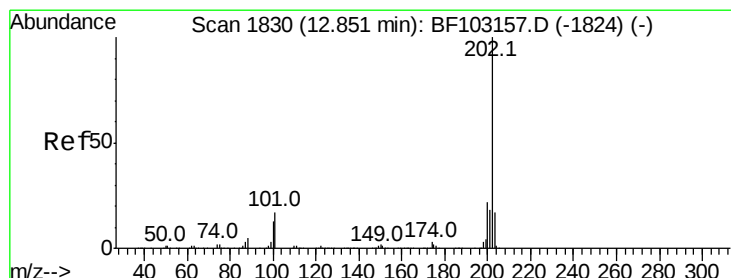
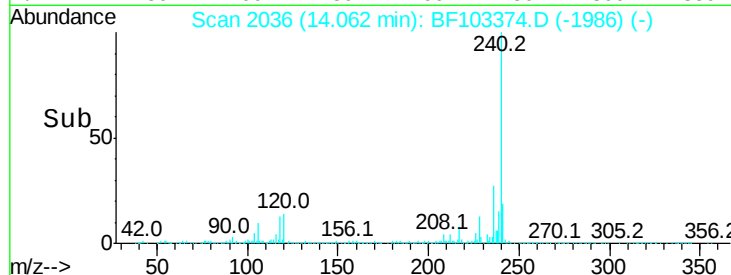
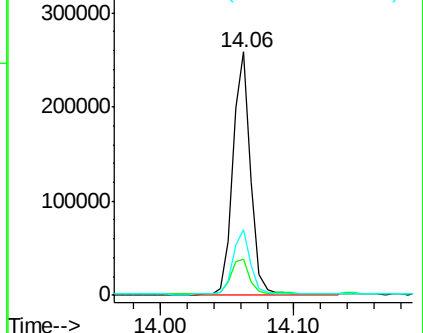
236 26.8 20.7 31.1



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

Pyrene

Concen: 18.632 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

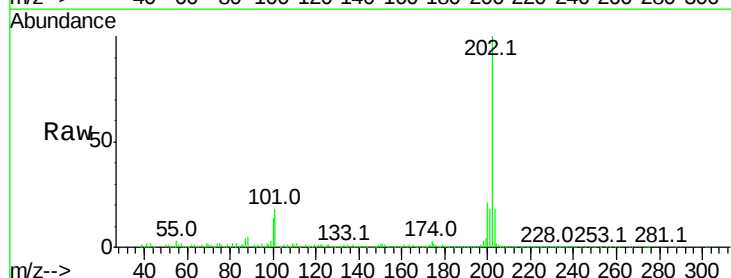
Tgt Ion:202 Resp: 346037

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

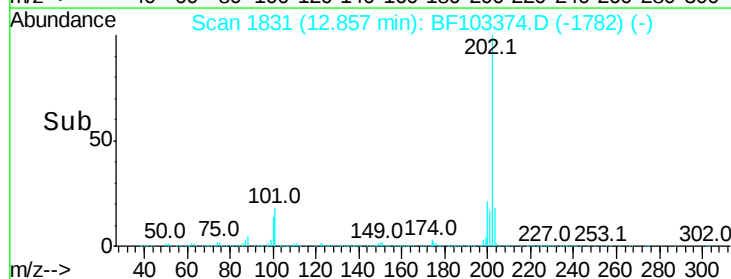
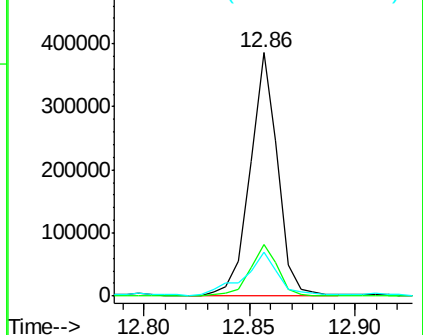
203 17.9 14.3 21.5

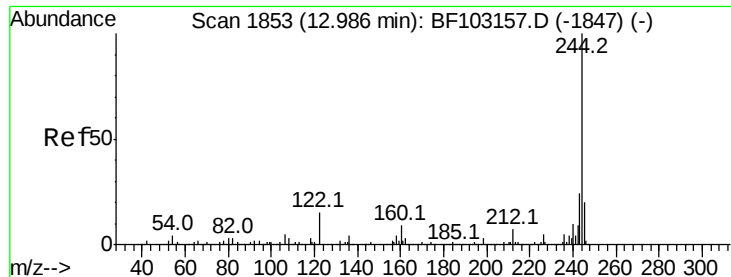


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.001 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

ClientSampled :

SP-49

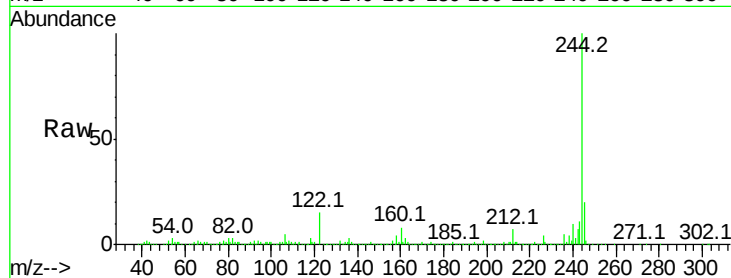
Tot Ion:244 Resp: 723387

Ion Ratio Lower Upper

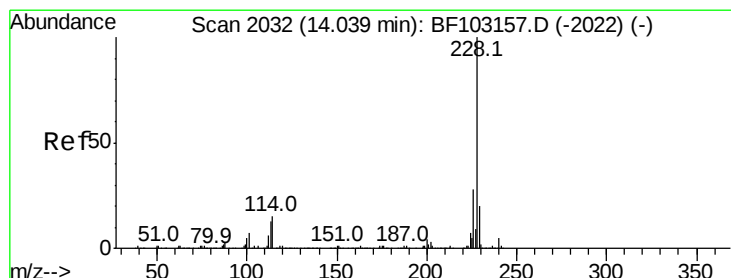
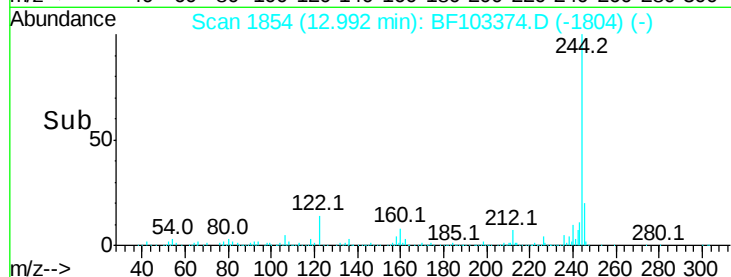
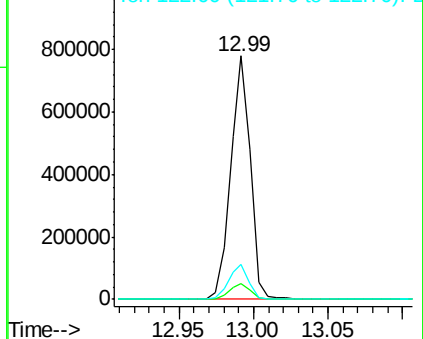
244 100

212 6.7 5.4 8.0

122 14.5 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: 12.203 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

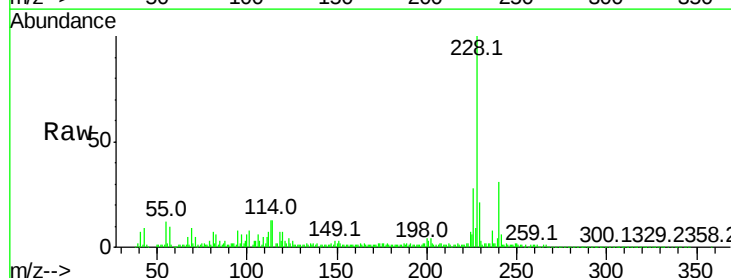
Tgt Ion:228 Resp: 188601

Ion Ratio Lower Upper

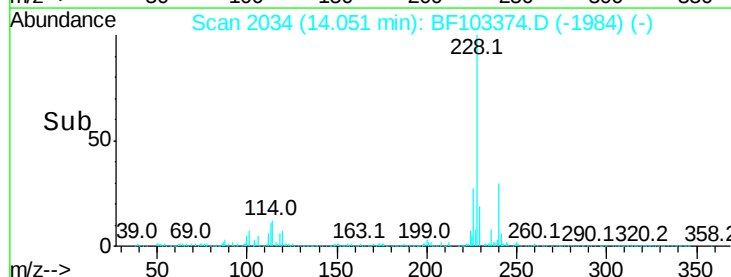
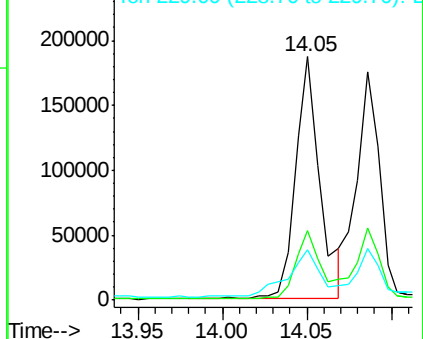
228 100

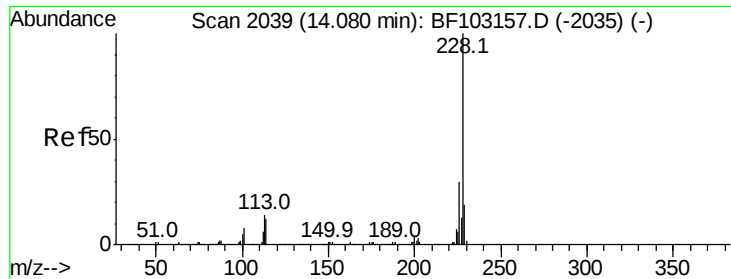
226 28.4 22.6 33.8

229 20.9 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

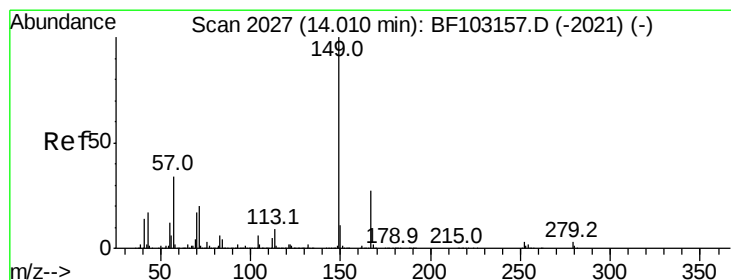
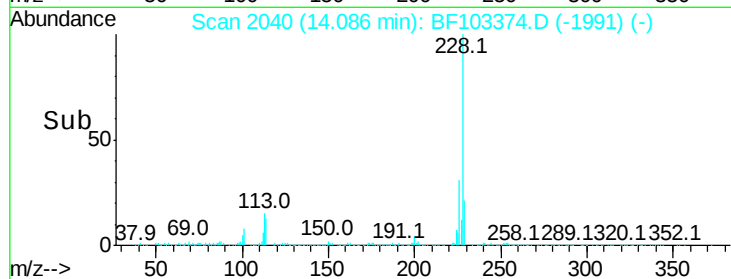
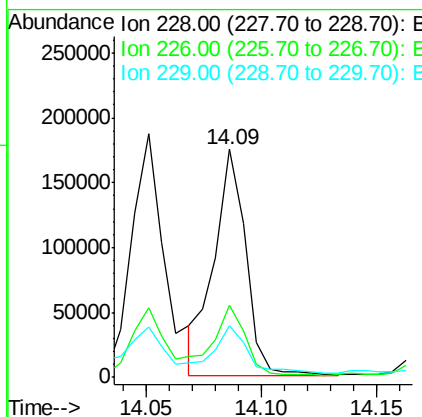
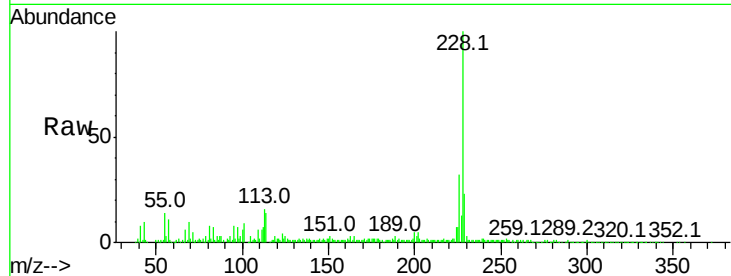




#82
Chrysene
Concen: 11.103 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

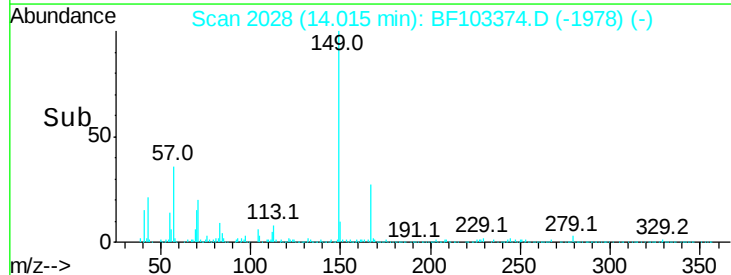
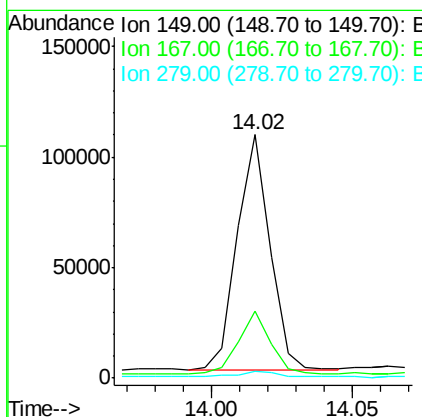
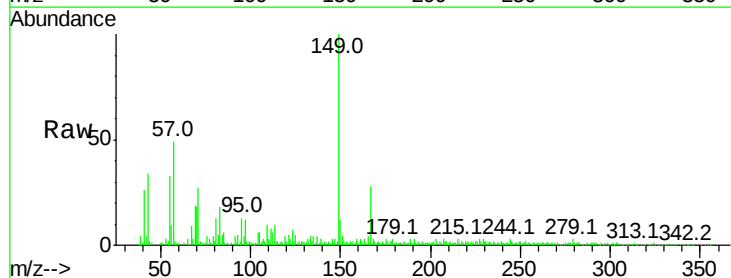
Instrument :
BNA_F
ClientSampleId :
SP-49

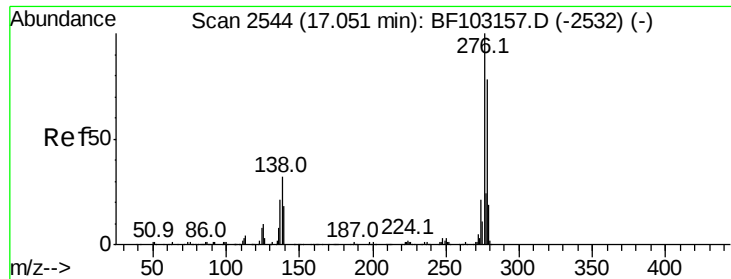
Tot Ion:228 Resp: 166618
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 22.9 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 6.436 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion:149 Resp: 85215
Ion Ratio Lower Upper
149 100
167 27.5 21.3 31.9
279 2.9 3.0 4.4#

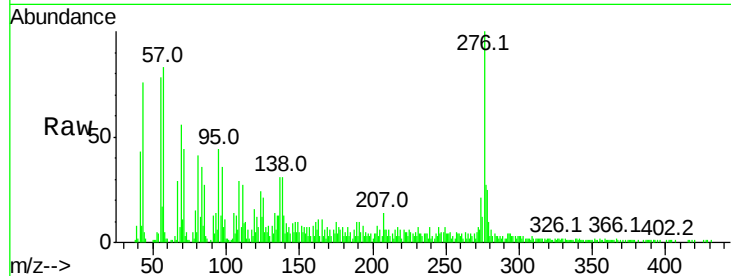




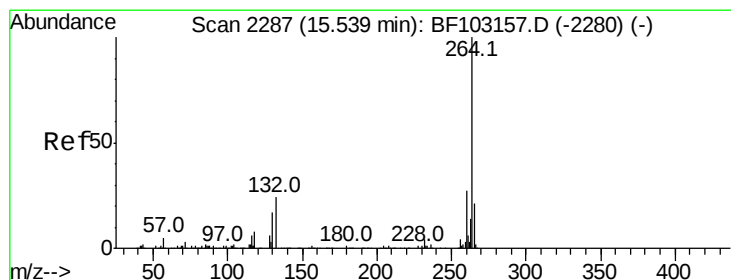
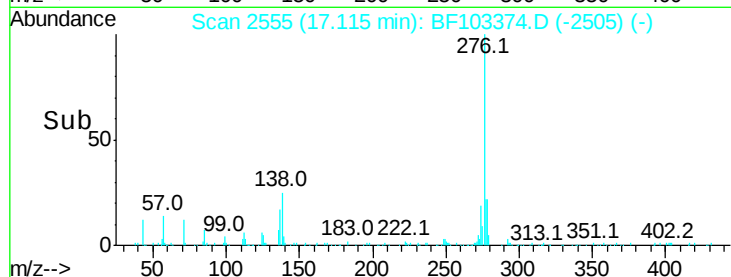
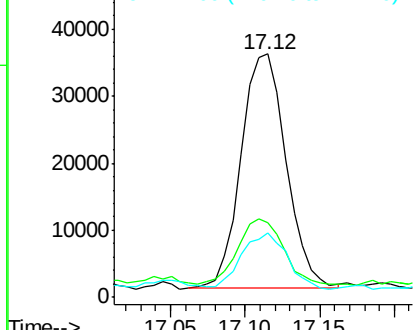
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.175 ng
 RT: 17.12 min Scan# 2555
 Delta R.T. -0.01 min
 Lab File: BF103374.D
 Acq: 2 Mar 2018 19:18

Instrument :
 BNA_F
 ClientSampleId :
 SP-49

Tot Ion:276 Resp: 73359
 Ion Ratio Lower Upper
 276 100
 138 28.5 25.0 37.6
 277 24.1 20.1 30.1

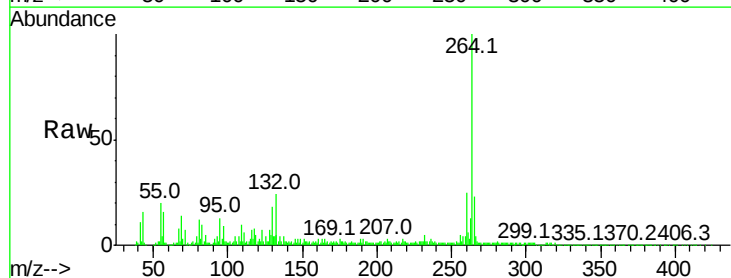


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

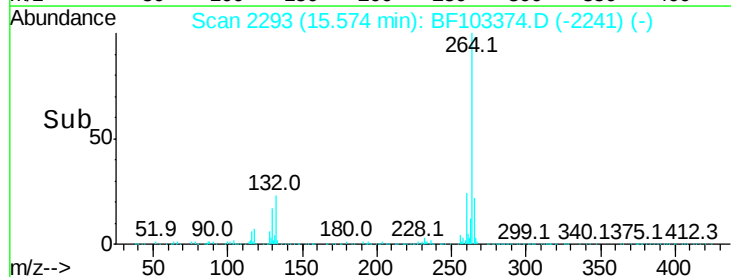
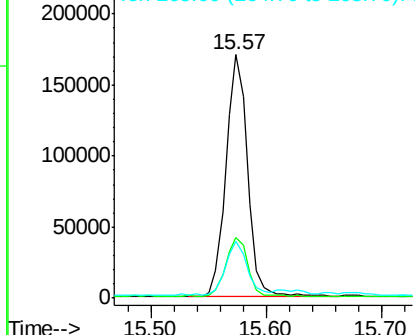


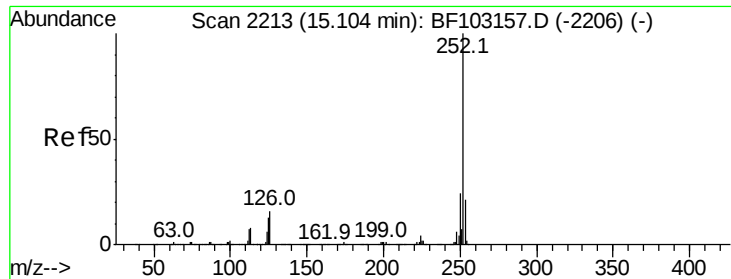
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BF103374.D
 Acq: 2 Mar 2018 19:18

Tgt Ion:264 Resp: 220819
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 23.3 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: 19.548 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

ClientSampleId :

SP-49

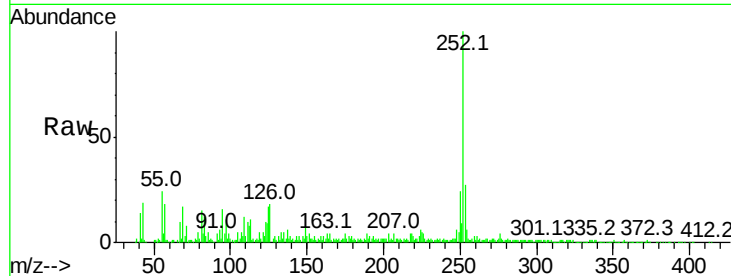
Tot Ion:252 Resp: 283813

Ion Ratio Lower Upper

252 100

253 26.8 17.0 25.6#

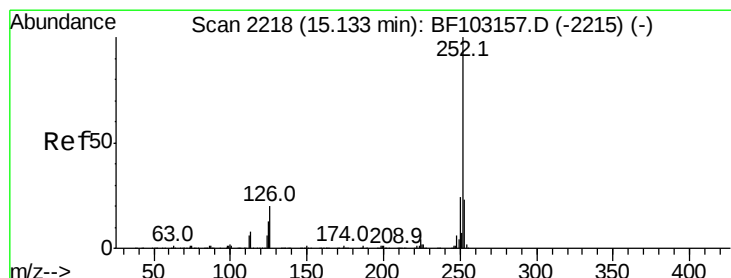
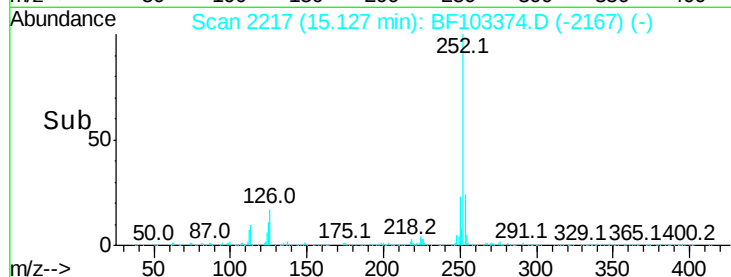
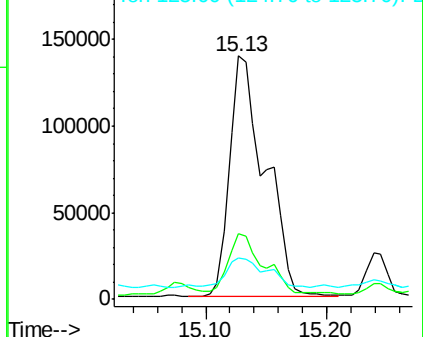
125 16.8 9.0 13.6#



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: 20.759 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.04 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

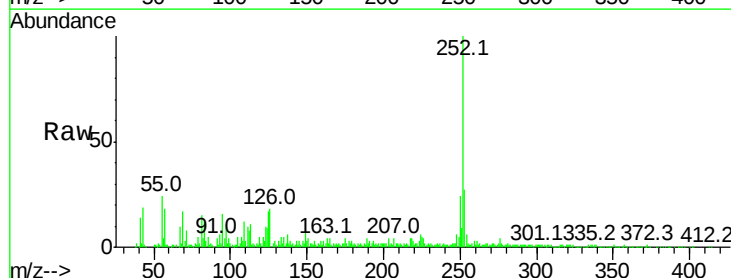
Tgt Ion:252 Resp: 283813

Ion Ratio Lower Upper

252 100

253 26.8 17.9 26.9

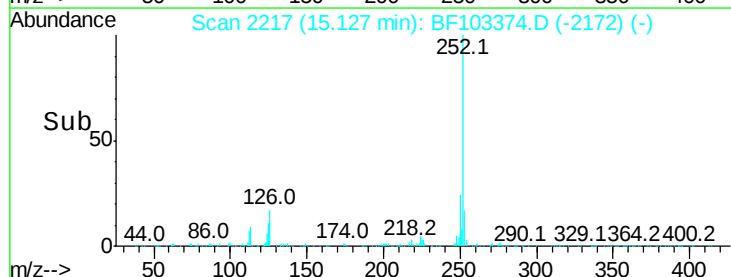
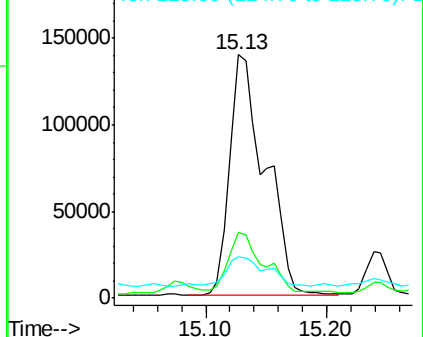
125 16.8 10.2 15.2#

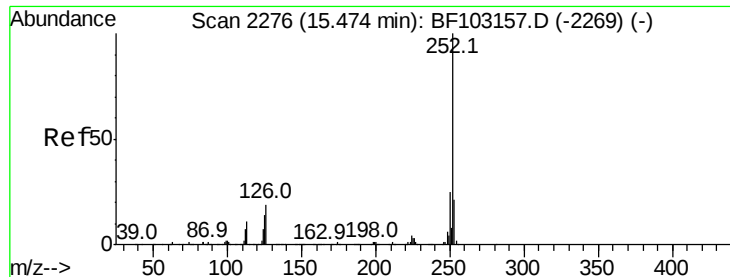


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.062 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

ClientSampleId :

SP-49

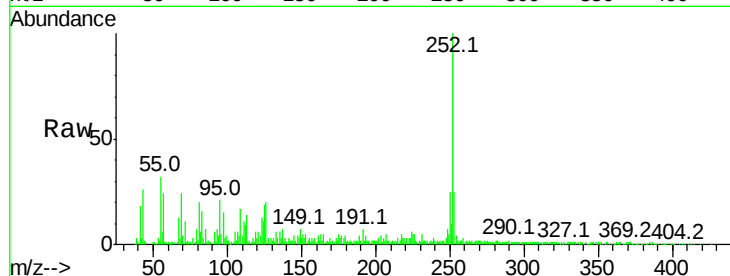
Tot Ion:252 Resp: 143424

Ion Ratio Lower Upper

252 100

253 24.9 17.1 25.7

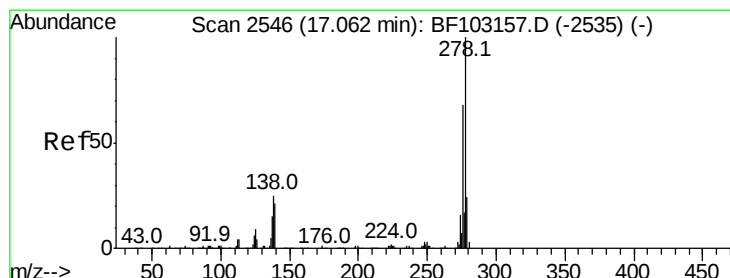
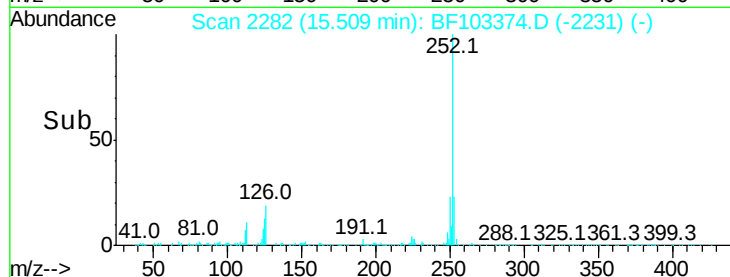
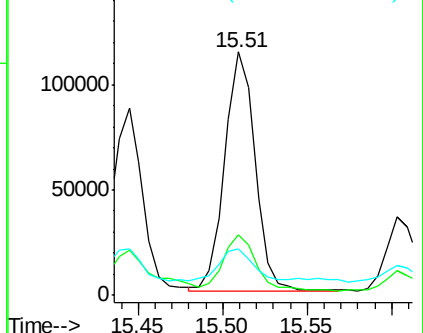
125 19.1 9.8 14.6#



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: 2.110 ng

RT: 17.11 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

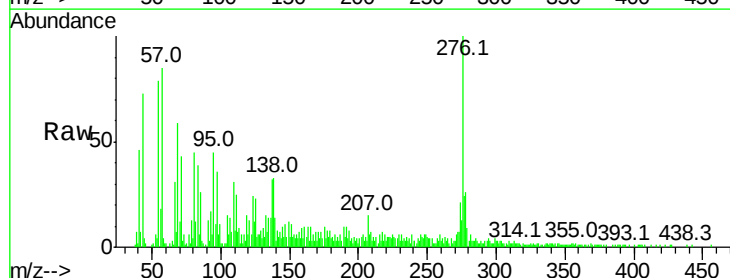
Tgt Ion:278 Resp: 21139

Ion Ratio Lower Upper

278 100

139 54.4 15.9 23.9#

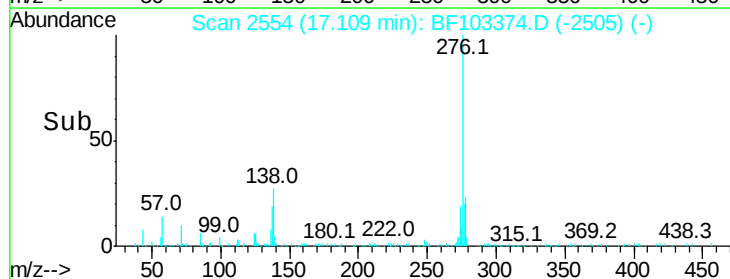
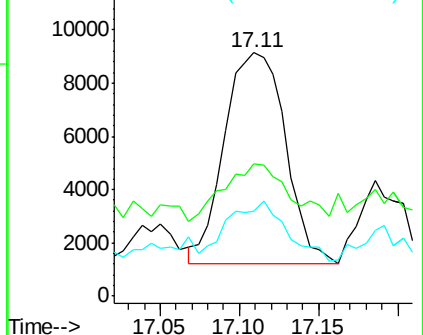
279 34.7 19.0 28.4#

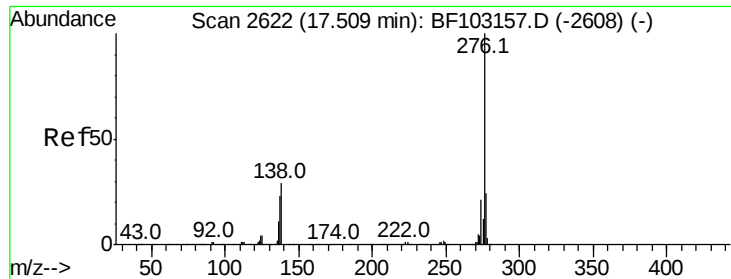


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.535 ng

RT: 17.59 min Scan# 2635

Delta R.T. 0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

ClientSampleId :

SP-49

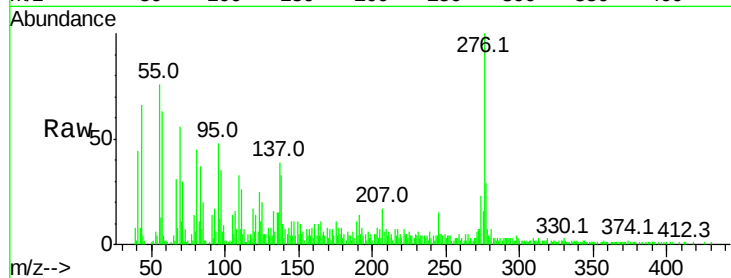
Tot Ion:276 Resp: 73776

Ion Ratio Lower Upper

276 100

277 29.4 17.9 26.9#

138 33.0 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

