

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103276.D
 Acq On : 27 Feb 2018 21:07
 Operator : SJ/JU
 Sample : J1698-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 00:02:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	160043	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	647686	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	246043	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	350102	20.00	ng	0.00
75) Chrysene-d12	14.06	240	258572	20.00	ng	0.00
86) Perylene-d12	15.56	264	179493	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1044662	98.72	ng	0.01
7) Phenol-d6	6.52	99	1235830	95.44	ng	0.00
23) Nitrobenzene-d5	7.44	82	756547	66.71	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	168661	80.99	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1121185	76.68	ng	0.00
78) Terphenyl-d14	12.99	244	750343	69.76	ng	0.00

Target Compounds

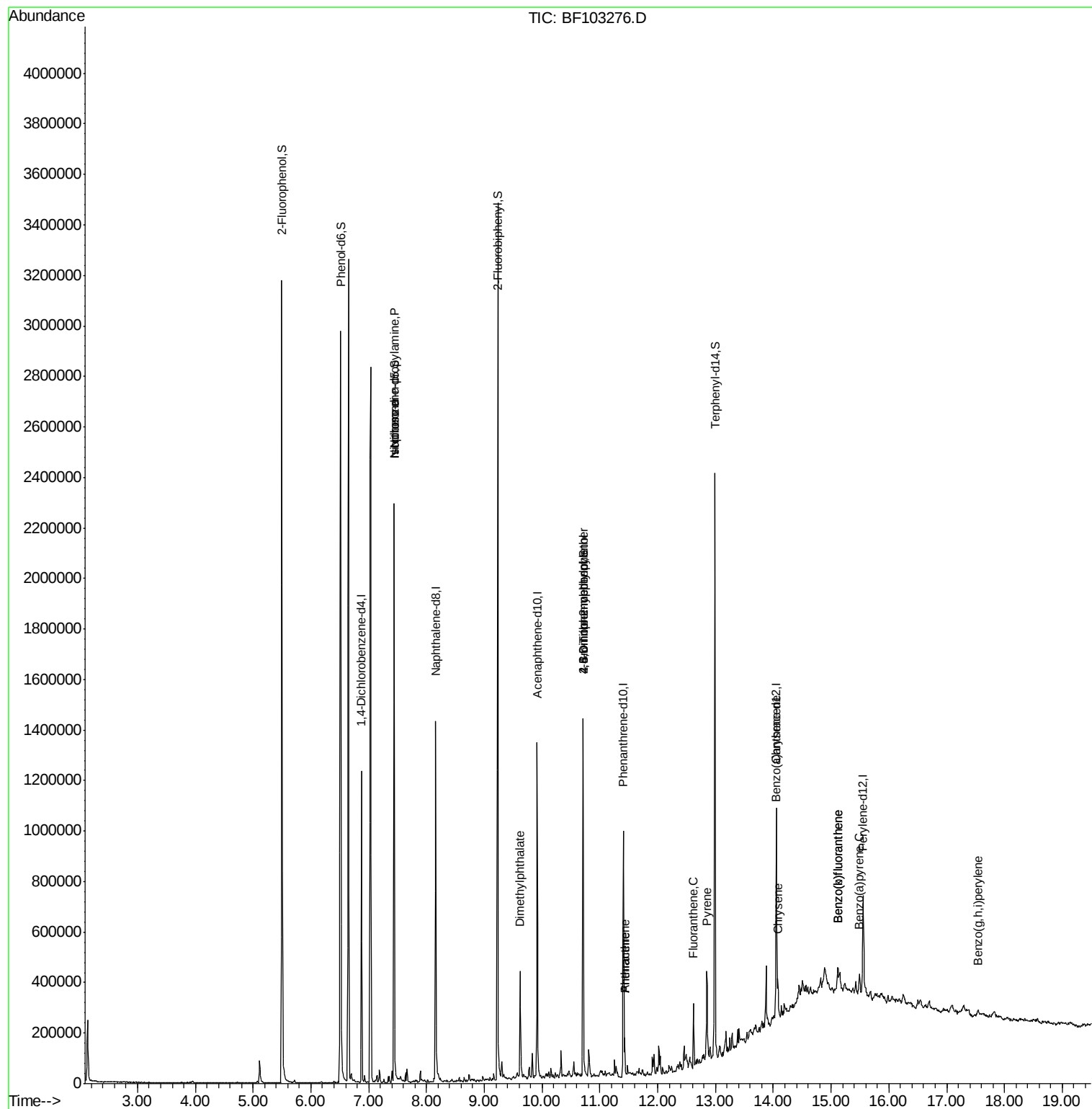
						Qvalue
9) Benzaldehyde	6.51	77	2005	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	100994	12.53	ng	82
25) Isophorone	7.44	82	756535	33.87	ng	64
49) Dimethylphthalate	9.62	163	153248	7.76	ng	99
64) 4,6-Dinitro-2-methylphenol	10.71	198	169	5.02	ng	1
66) 4-Bromophenyl-phenylether	10.71	248	11522	3.16	ng	1
70) Phenanthrene	11.43	178	49993	2.59	ng	97
71) Anthracene	11.43	178	49993	2.53	ng	98
74) Fluoranthene	12.62	202	85474	4.41	ng	97
77) Pyrene	12.85	202	125018	6.20	ng	98
80) Benzo(a)anthracene	14.04	228	53017	3.16	ng	94
82) Chrysene	14.08	228	55132	3.38	ng	97
87) Benzo(b)fluoranthene	15.12	252	54141	4.59	ng	78
88) Benzo(k)fluoranthene	15.12	252	54141	4.87	ng	81
89) Benzo(a)pyrene	15.49	252	32400	3.07	ng	84
91) Benzo(g,h,i)perylene	17.54	276	17835	2.24	ng	80

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

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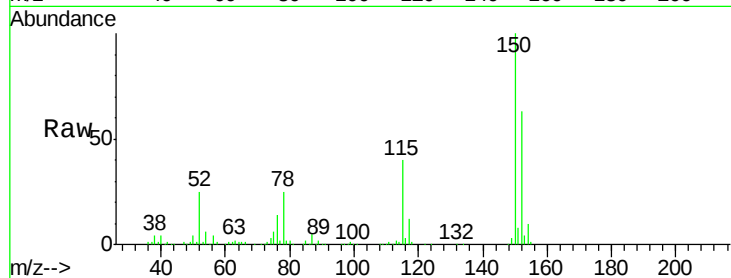


#1

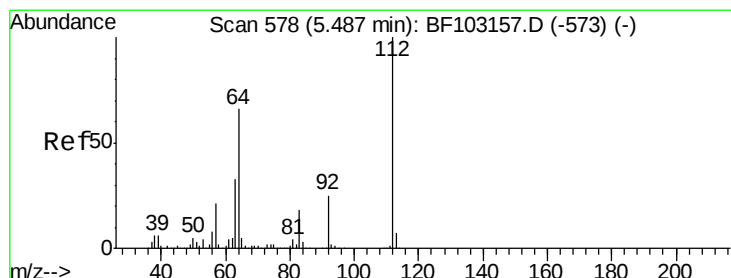
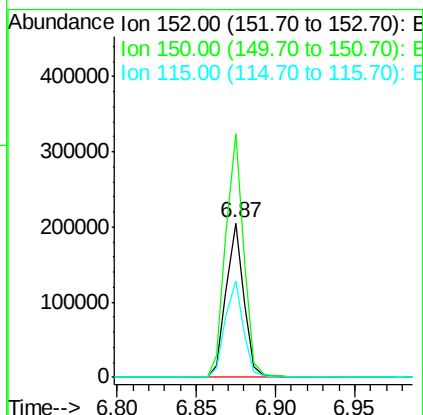
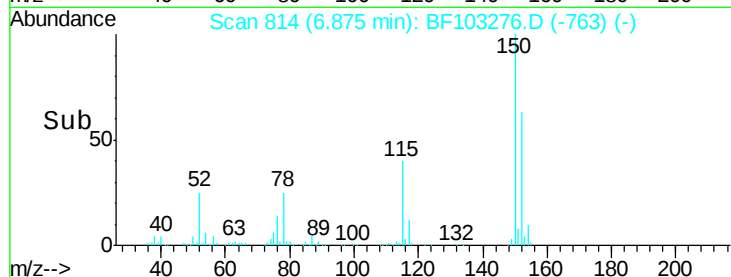
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 160043
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 62.6 50.1 75.1



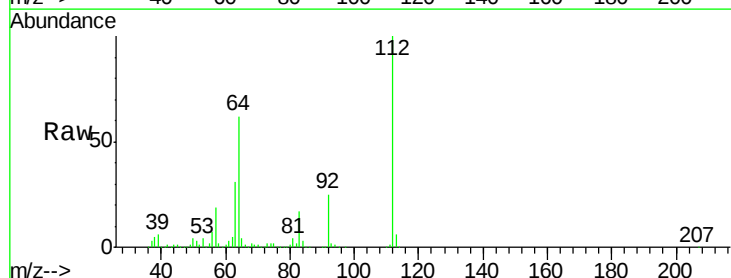
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



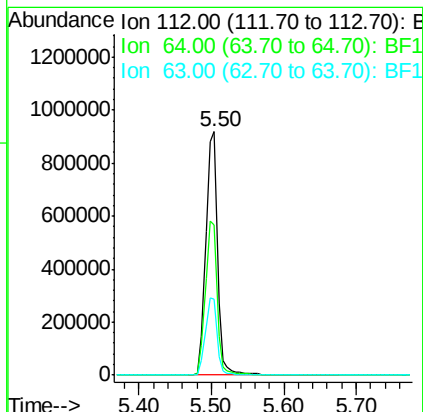
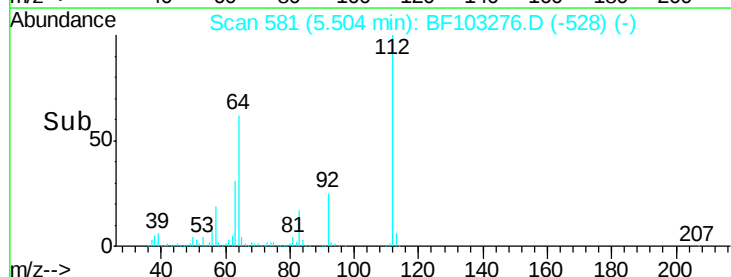
#5

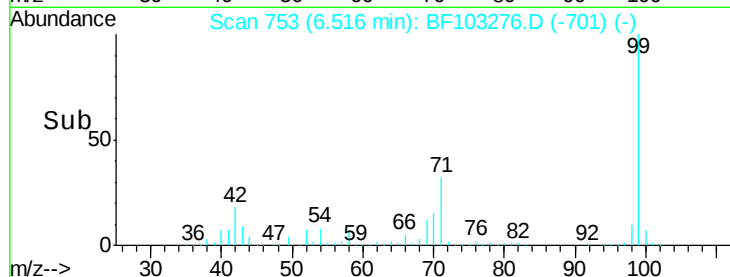
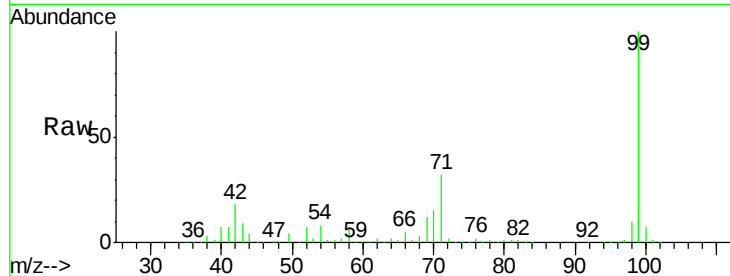
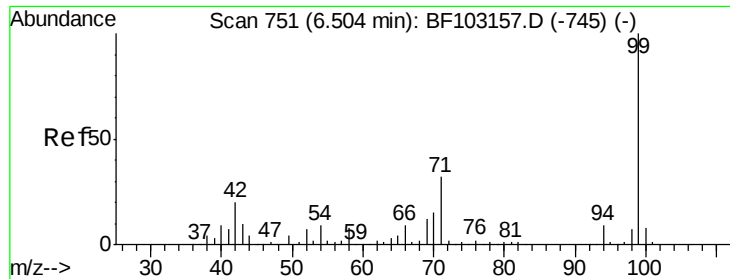
2-Fluorophenol
Concen: 98.72 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

Tgt Ion:112 Resp: 1044662
Ion Ratio Lower Upper
112 100
64 61.8 47.9 71.9
63 31.0 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: 95.44 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

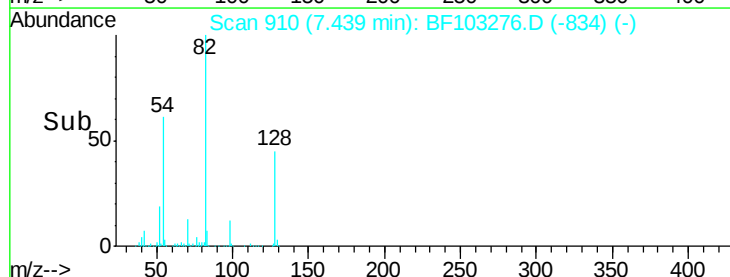
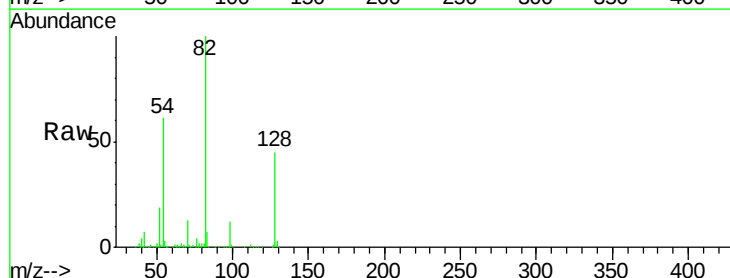
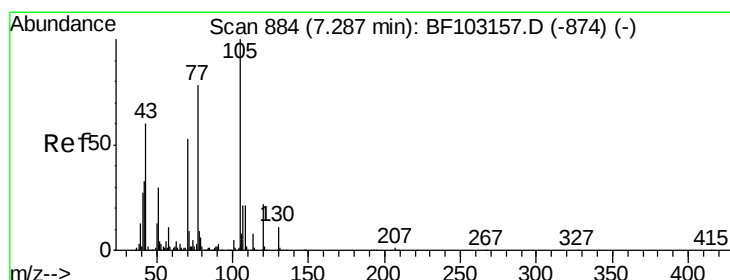
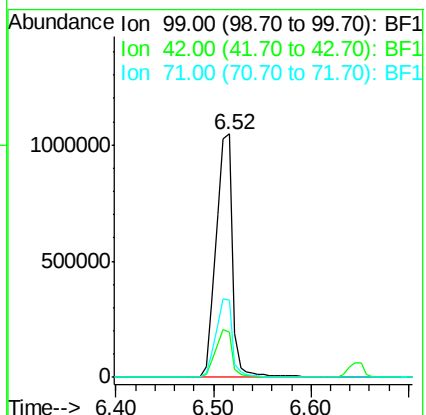
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1235830

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.5	21.7
71	31.7	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.53 ng

RT: 7.44 min Scan# 910

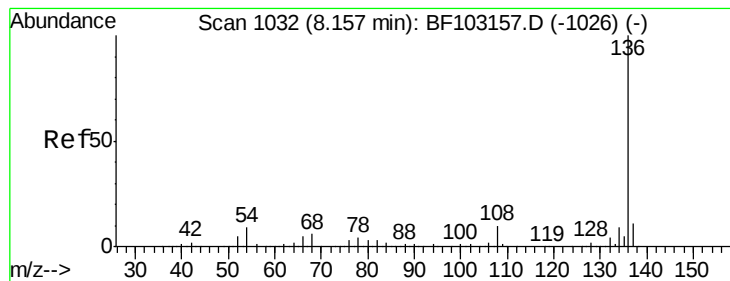
Delta R.T. 0.15 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

Tgt Ion: 70 Resp: 100994

Ion	Ratio	Lower	Upper
70	100		
42	52.7	47.5	71.3
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 647686

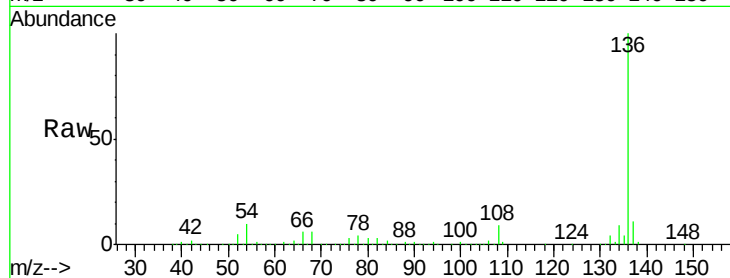
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.9 6.6 9.8#

68 6.5 5.0 7.4

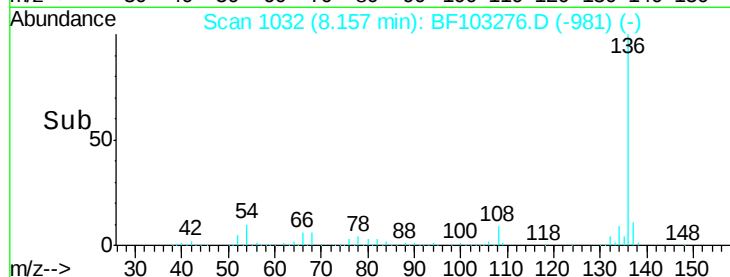


Abundance Ion 136.00 (135.70 to 136.70): E

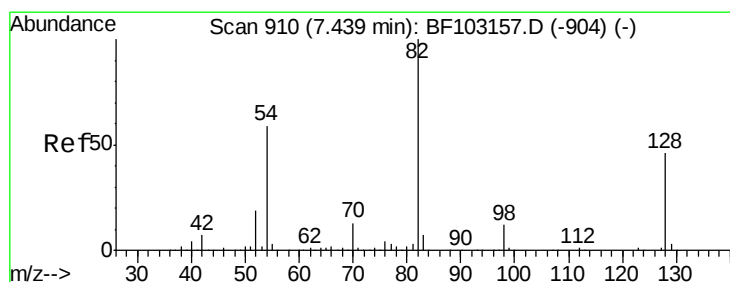
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 66.71 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

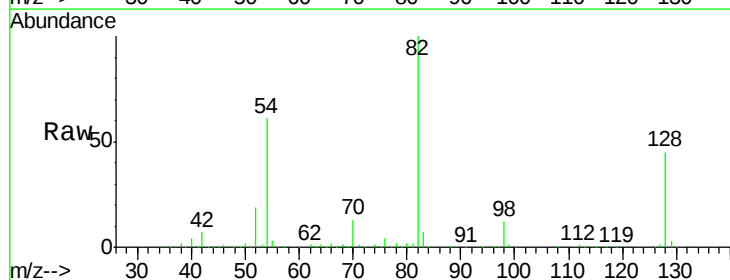
Tgt Ion: 82 Resp: 756547

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

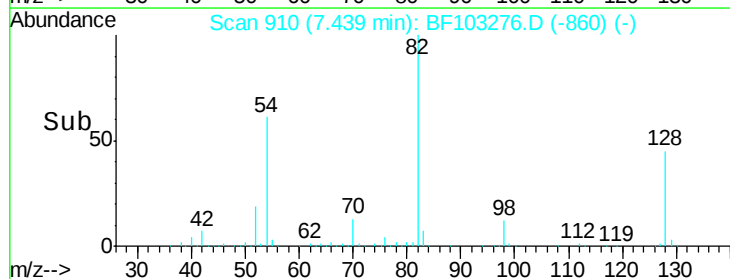
54 60.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 33.87 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

Instrument :

BNA_F

ClientSampleId :

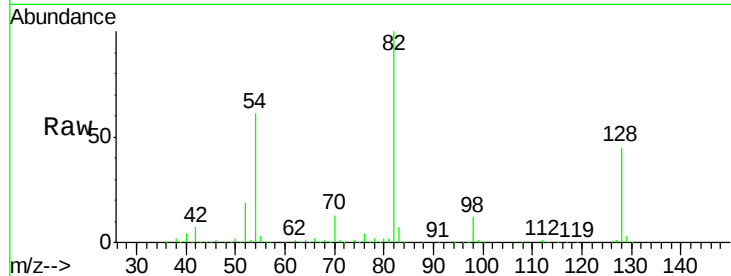
Tot Ion: 82 Resp: 756535

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

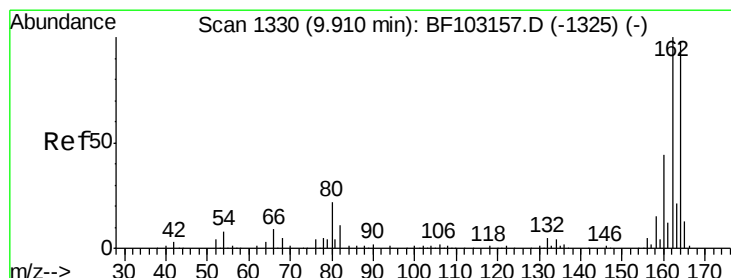
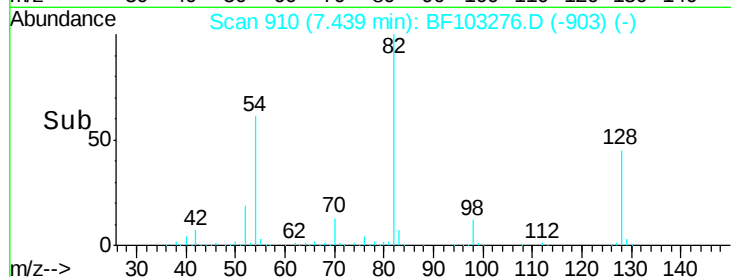
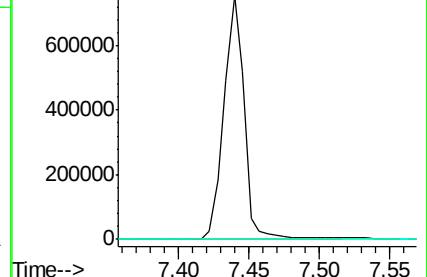
138 0.0 14.9 22.3#



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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

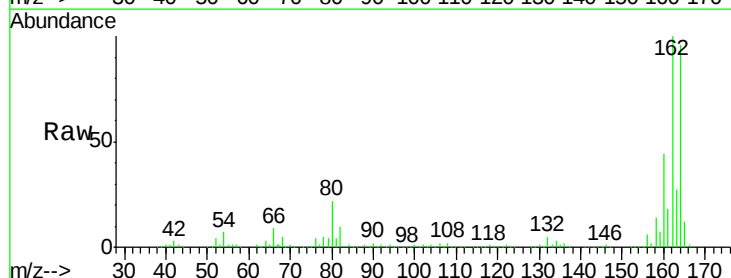
Tgt Ion:164 Resp: 246043

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

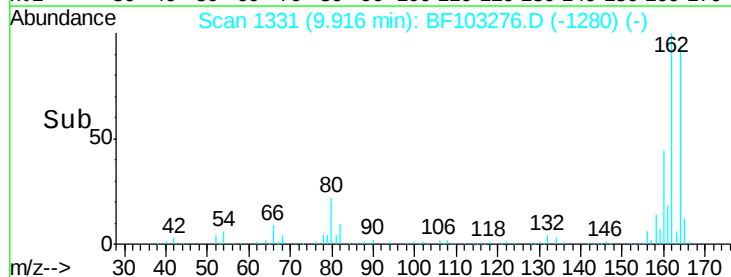
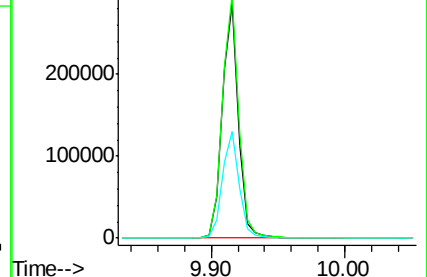
160 45.5 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

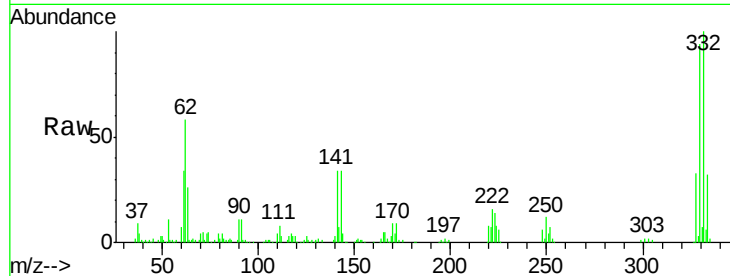




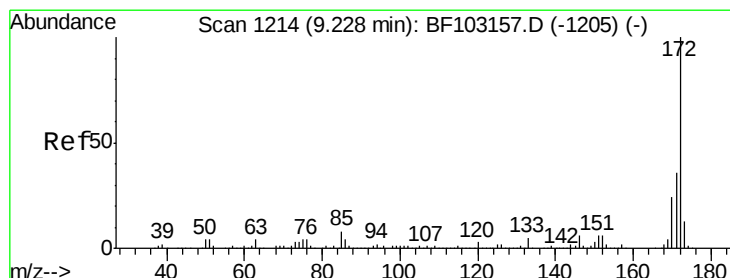
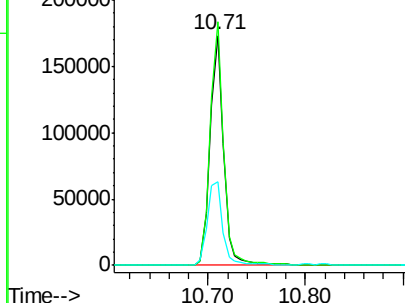
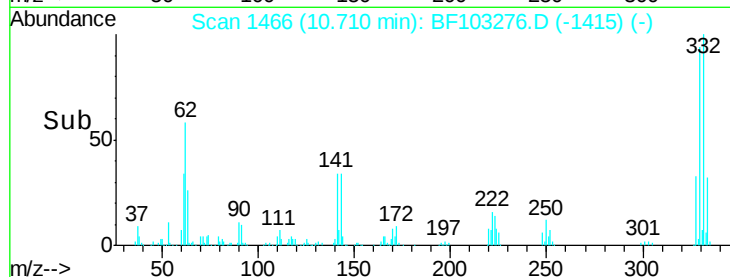
#41
 2,4,6-Tribromophenol
 Concen: 80.99 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103276.D
 Acq: 27 Feb 2018 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.4	77.0	115.6
141	41.4	29.9	44.9

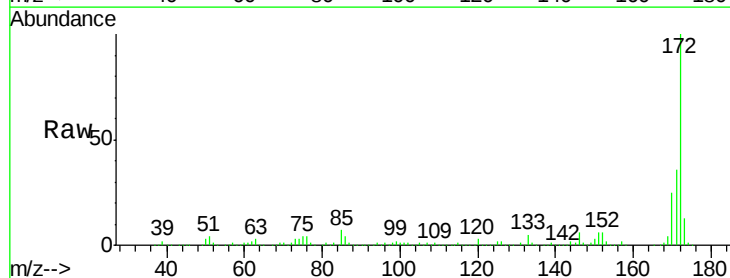


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

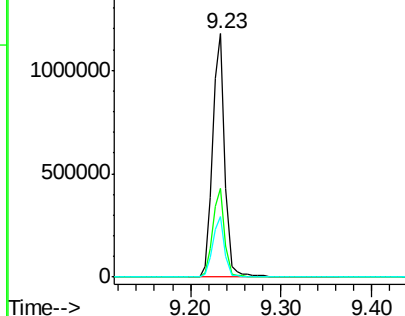
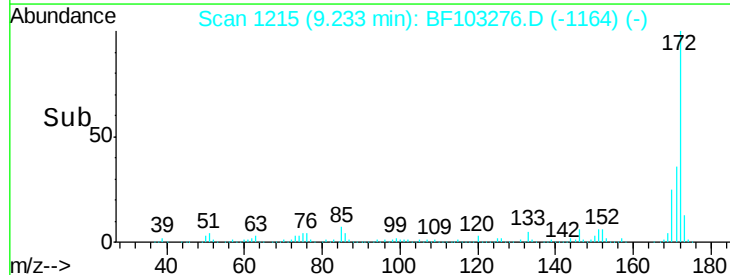


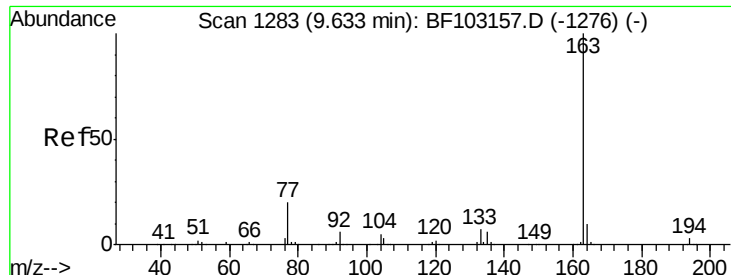
#44
 2-Fluorobiphenyl
 Concen: 76.68 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103276.D
 Acq: 27 Feb 2018 21:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.7	19.6	29.4



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

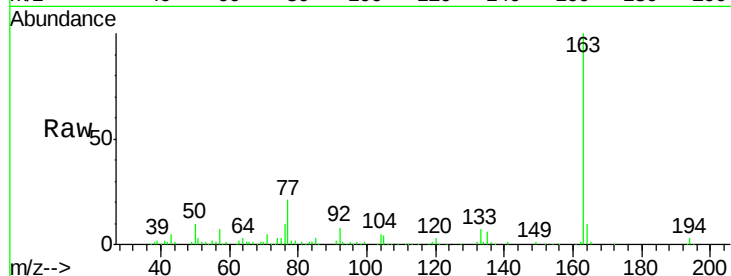




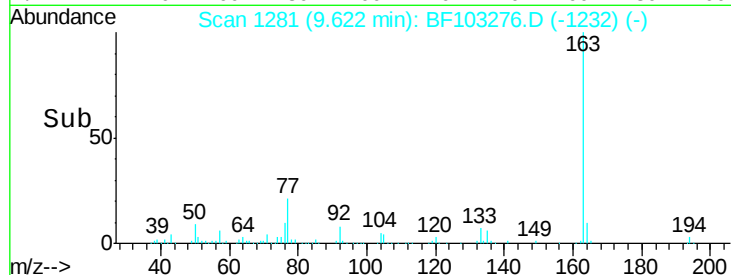
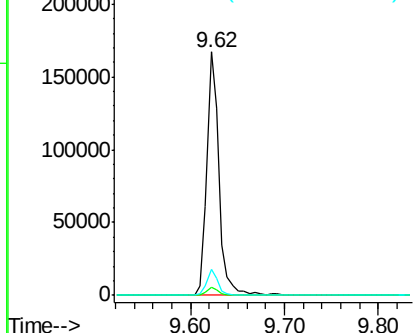
#49
Dimethylphthalate
Concen: 7.76 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 153248
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.5 8.2 12.2

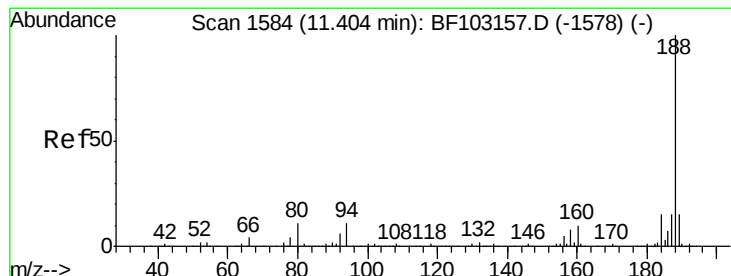


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

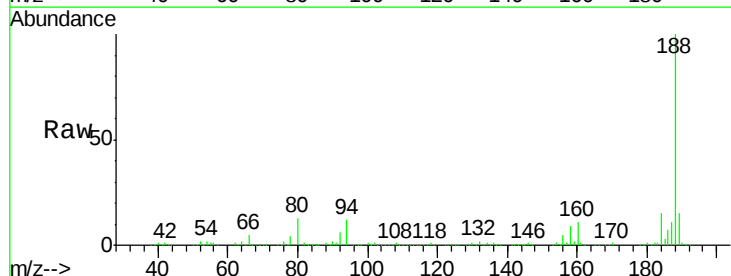
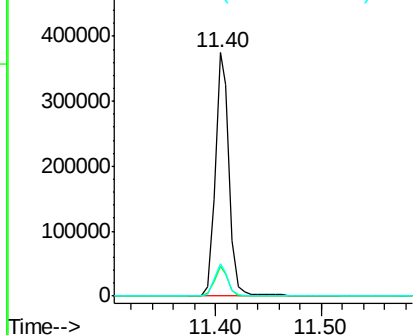


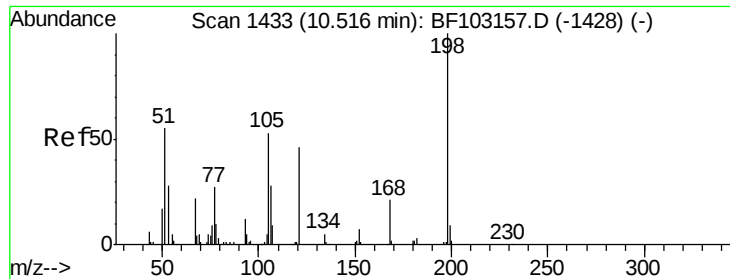
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

Tgt Ion:188 Resp: 350102
Ion Ratio Lower Upper
188 100
94 12.2 8.5 12.7
80 13.3 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

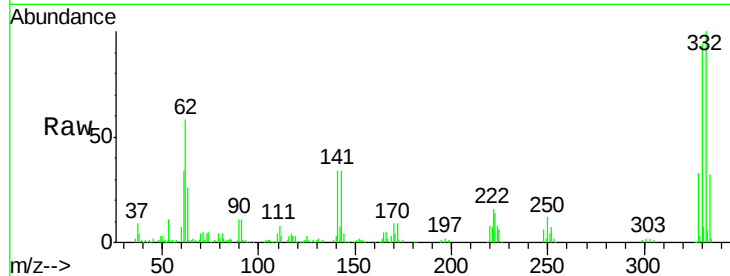




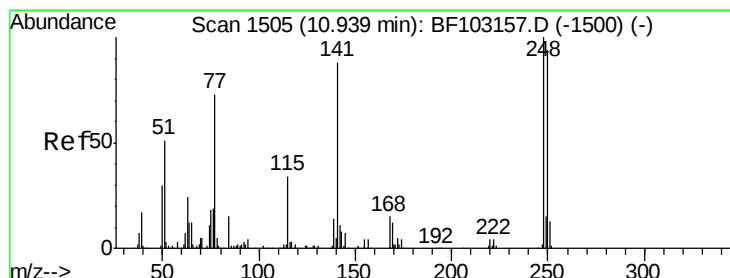
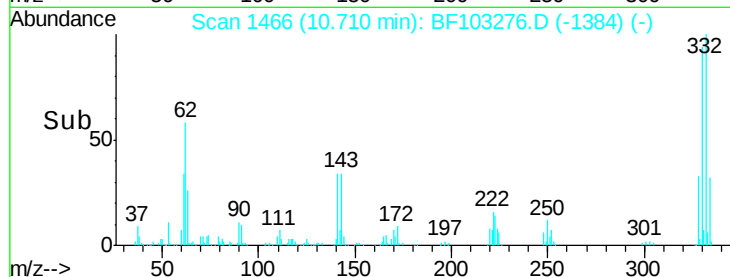
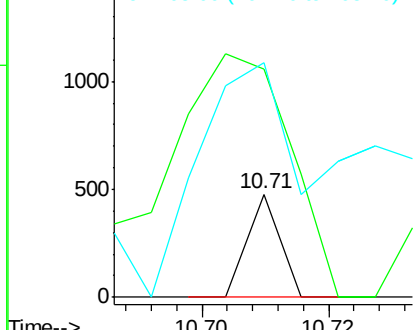
#64
4,6-Dinitro-2-methylphenol
Concen: 5.02 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.18 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 169
Ion Ratio Lower Upper
198 100
51 220.3 37.7 77.7#
105 227.3 36.3 76.3#

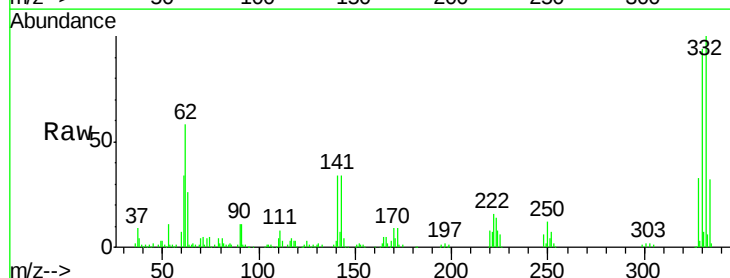


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

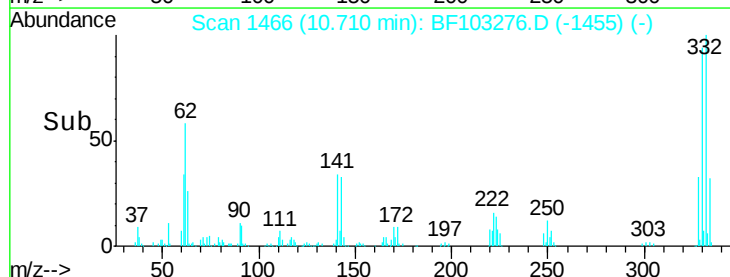
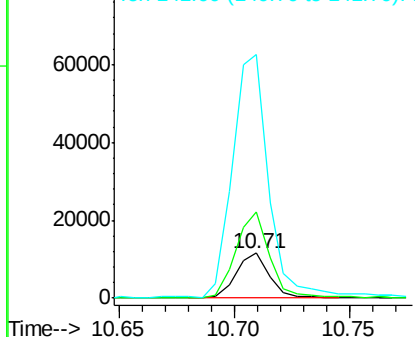


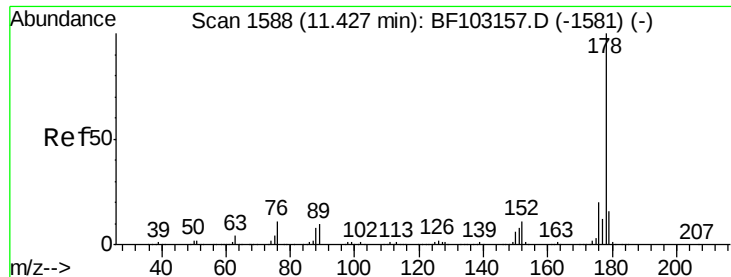
#66
4-Bromophenyl-phenylether
Concen: 3.16 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

Tgt Ion:248 Resp: 11522
Ion Ratio Lower Upper
248 100
250 191.4 76.9 115.3#
141 540.3 74.4 111.6#



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





#70

Phenanthrene

Concen: 2.59 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

Instrument :

BNA_F

ClientSampleId :

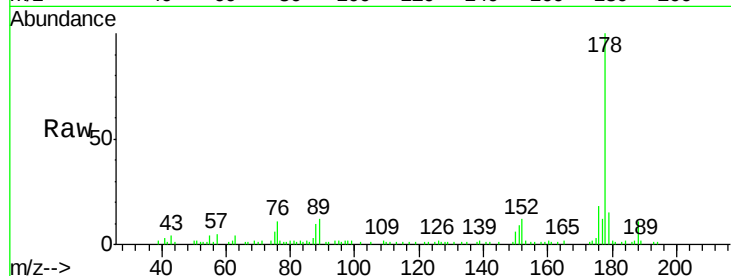
Tot Ion:178 Resp: 49993

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

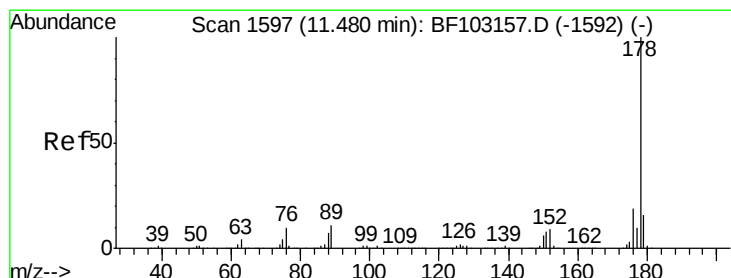
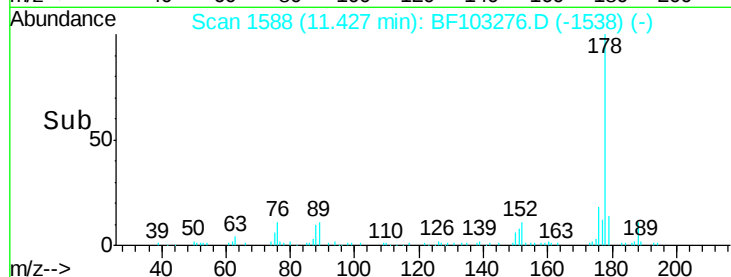
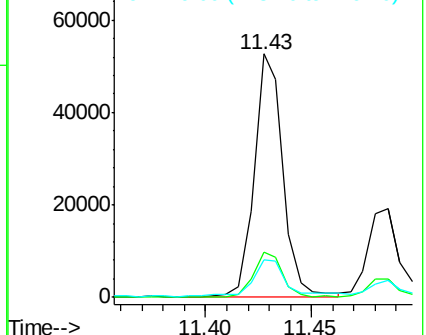
179 15.5 13.0 19.6



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: 2.53 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.06 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

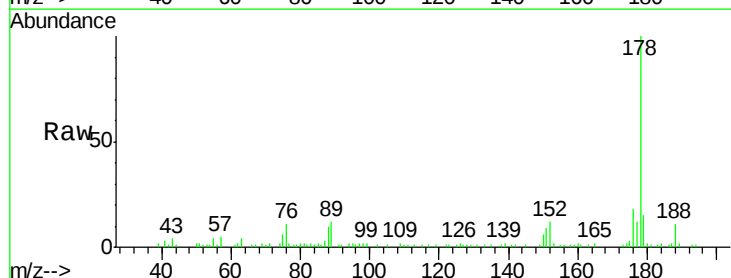
Tgt Ion:178 Resp: 49993

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

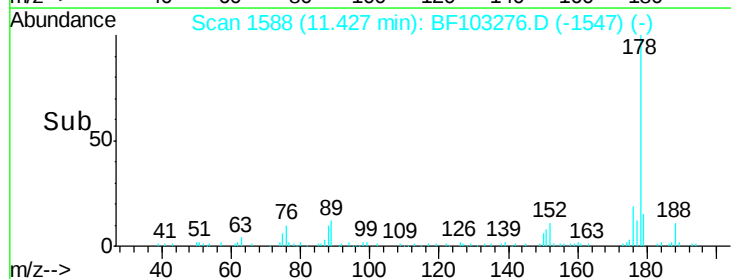
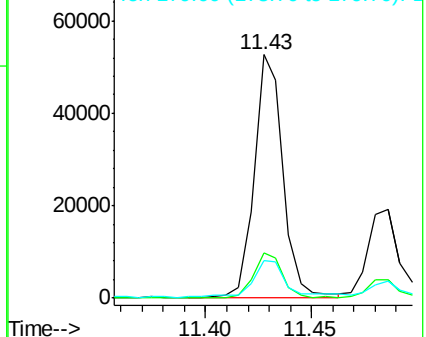
179 15.5 12.6 19.0

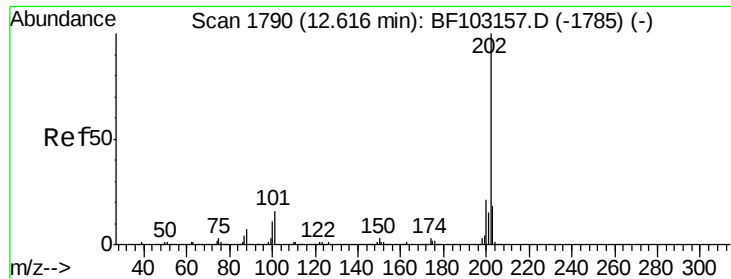


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.41 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

Instrument :

BNA_F

ClientSampleId :

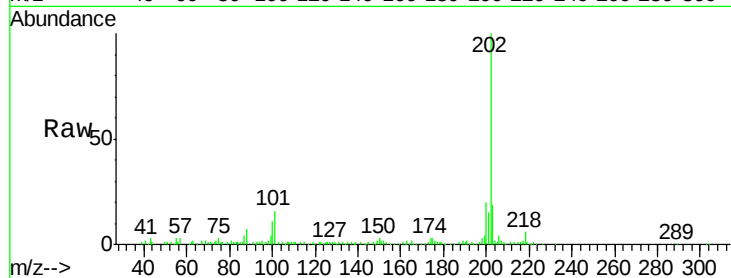
Tot Ion:202 Resp: 85474

Ion Ratio Lower Upper

202 100

101 16.2 0.0 34.1

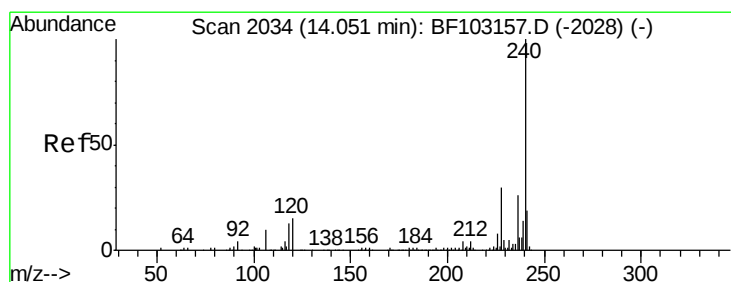
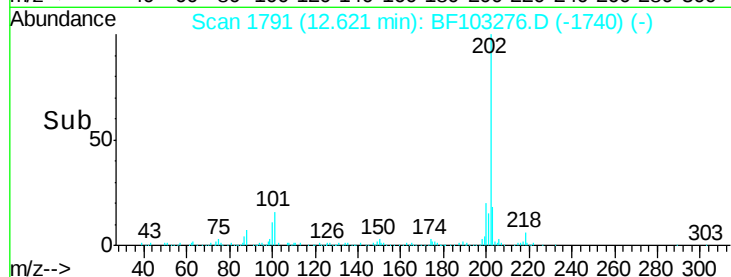
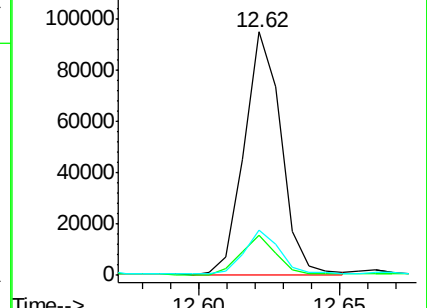
203 18.6 0.0 38.1



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: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

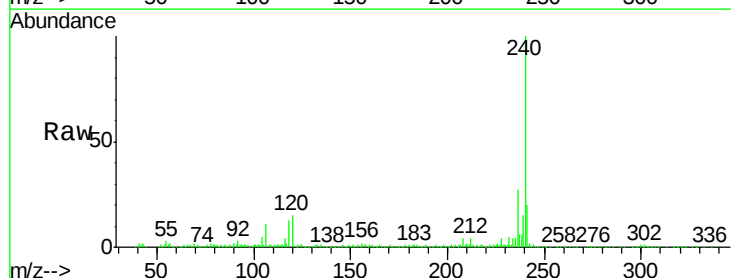
Tgt Ion:240 Resp: 258572

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

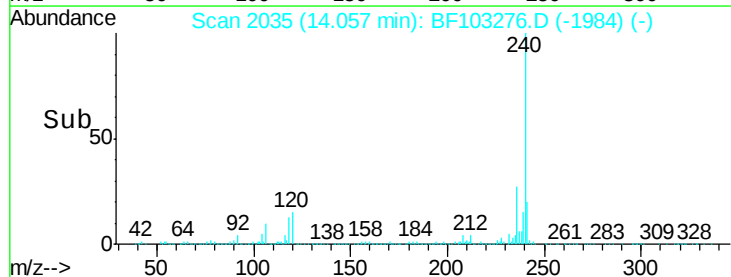
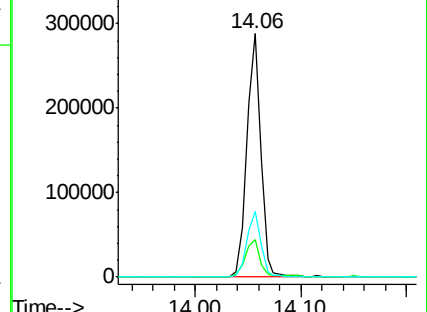
236 27.2 20.7 31.1

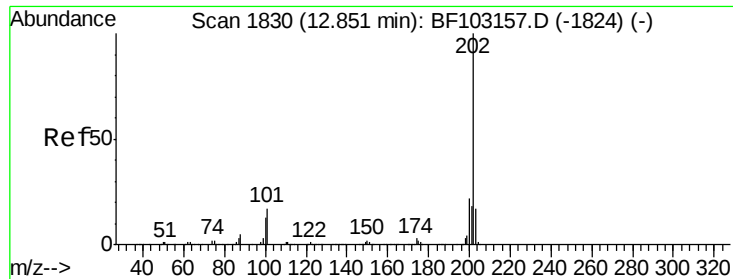


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

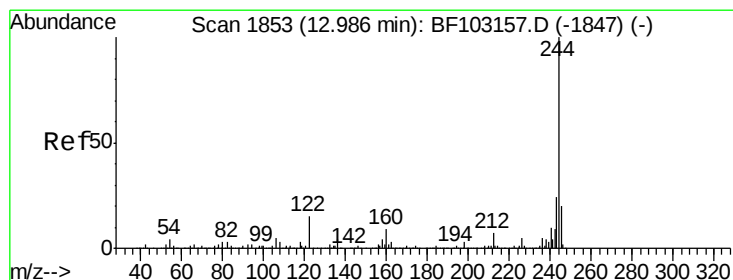
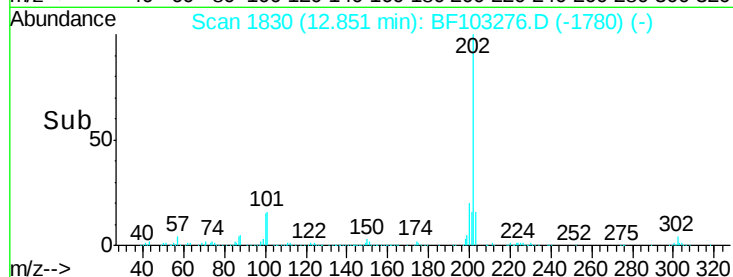
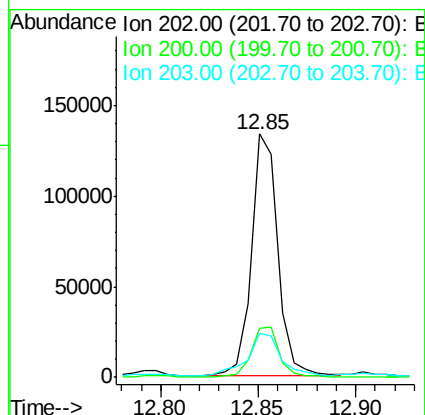
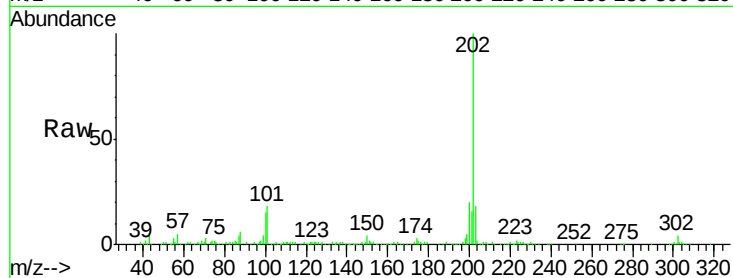




#77
Pvrene
Concen: 6.20 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

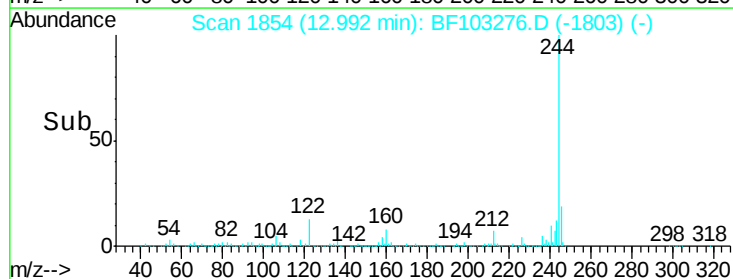
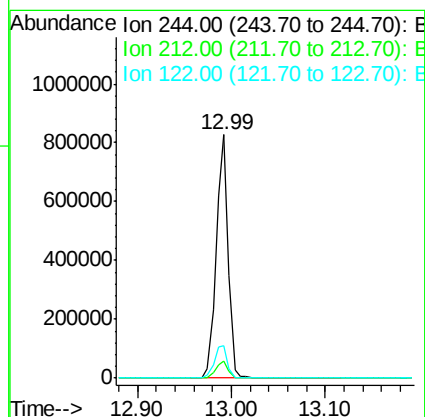
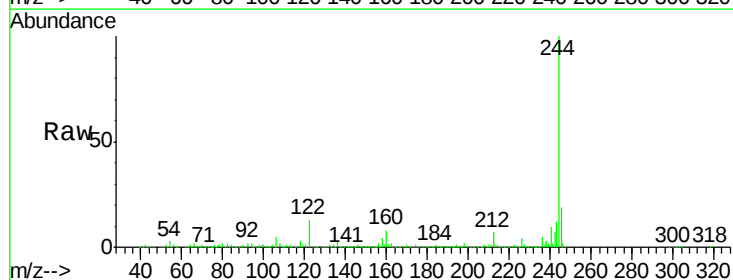
Instrument :
BNA_F
ClientSampleId :

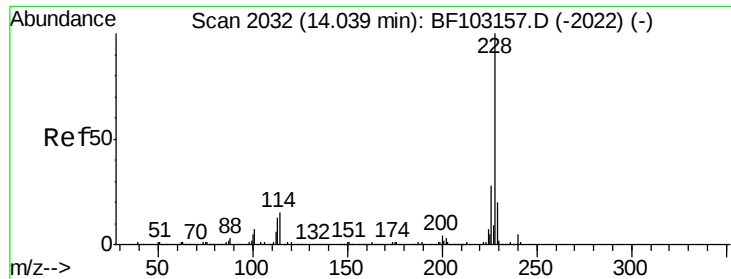
Tot Ion:202 Resp: 125018
Ion Ratio Lower Upper
202 100
200 20.2 17.4 26.2
203 17.9 14.3 21.5



#78
Terphenyl-d14
Concen: 69.76 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

Tgt Ion:244 Resp: 750343
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 13.4 11.0 16.4

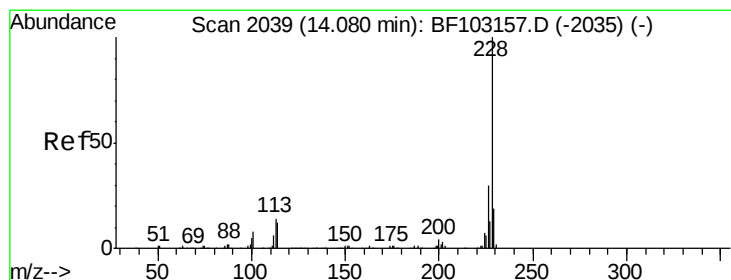
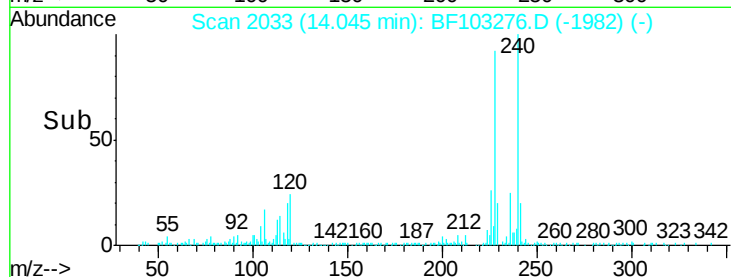
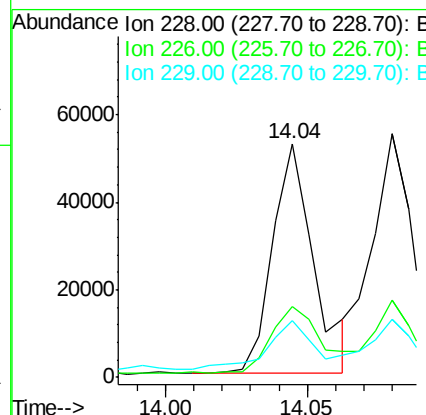
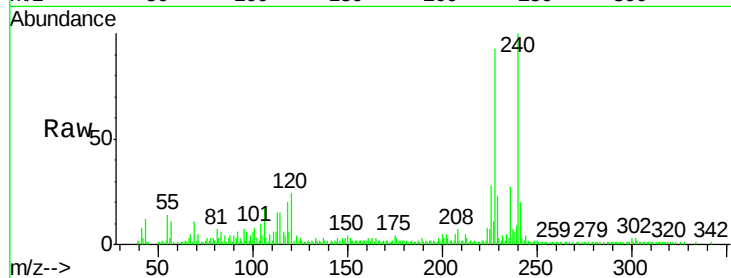




#80
Benzo(a)anthracene
Concen: 3.16 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

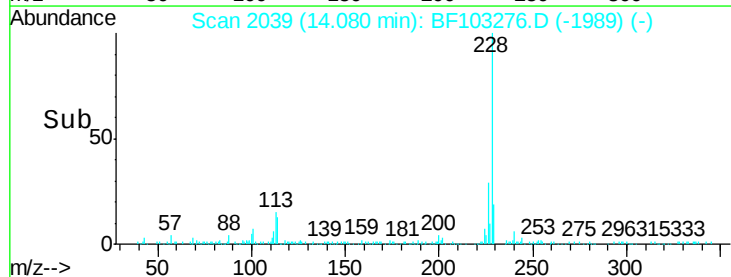
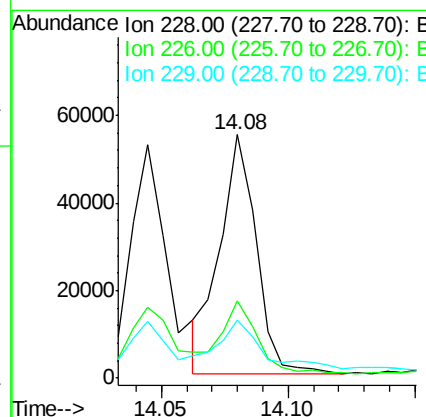
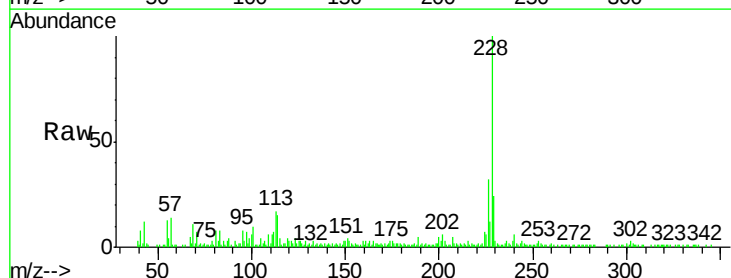
Instrument :
BNA_F
ClientSampleId :

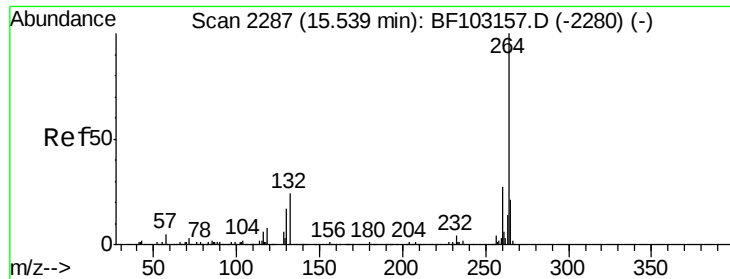
Tot Ion:228 Resp: 53017
Ion Ratio Lower Upper
228 100
226 30.1 22.6 33.8
229 24.4 15.8 23.6#



#82
Chrysene
Concen: 3.38 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

Tgt Ion:228 Resp: 55132
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 23.9 16.2 24.4

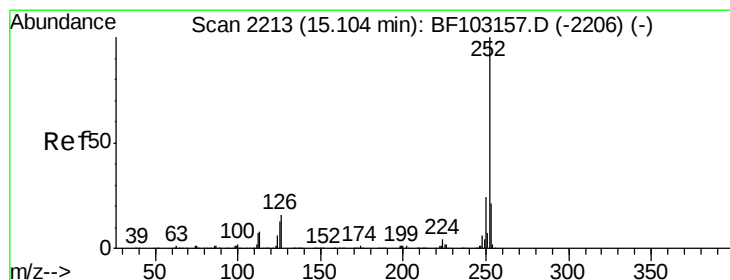
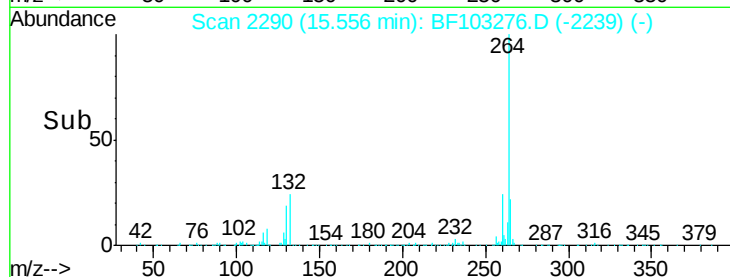
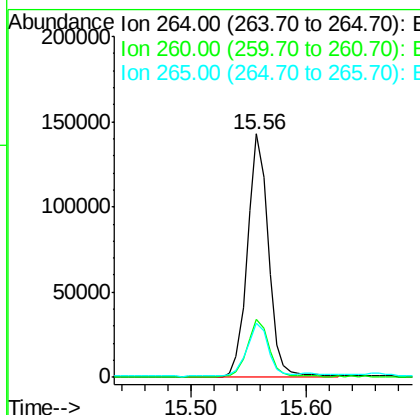
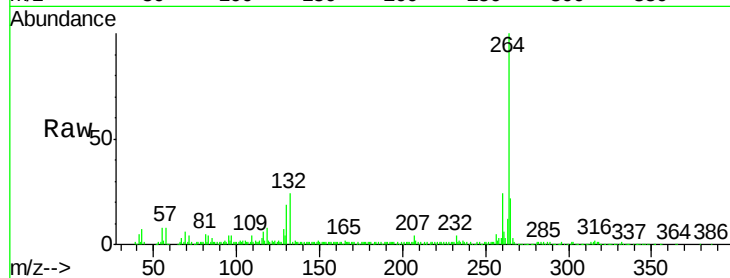




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

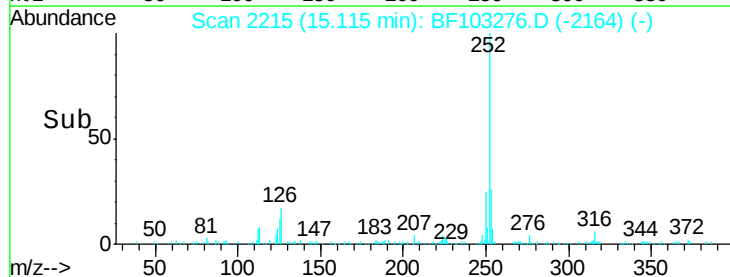
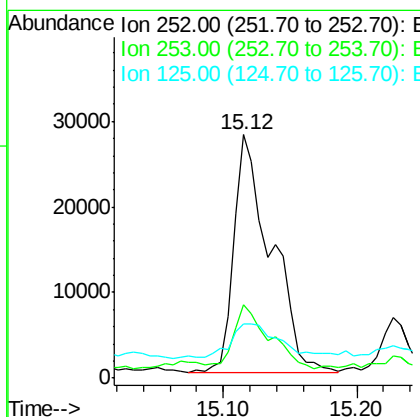
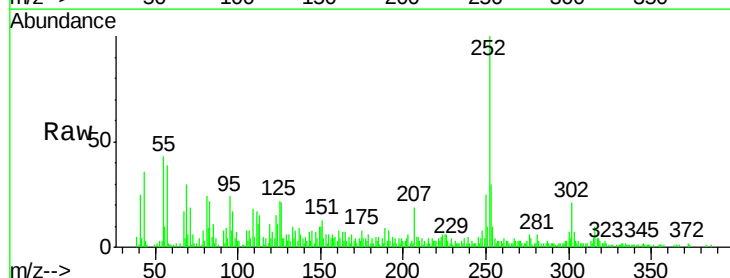
Instrument :
BNA_F
ClientSampleId :

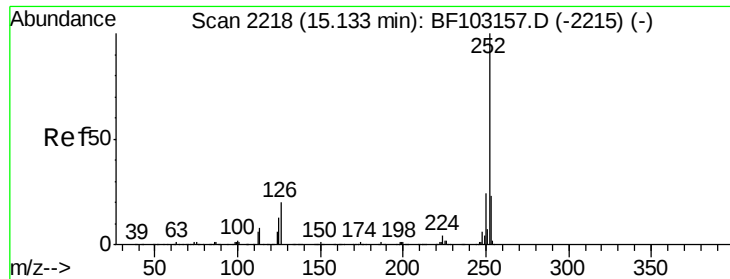
Tot Ion:264 Resp: 179493
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.59 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

Tgt Ion:252 Resp: 54141
Ion Ratio Lower Upper
252 100
253 30.1 17.0 25.6#
125 22.1 9.0 13.6#

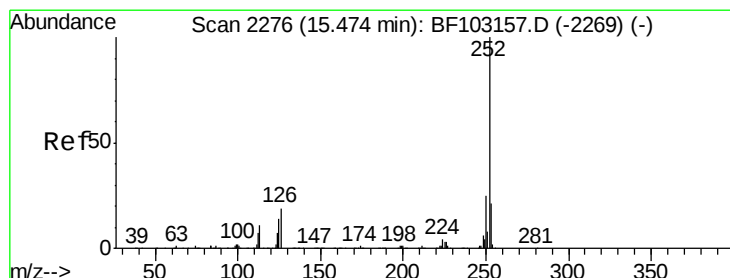
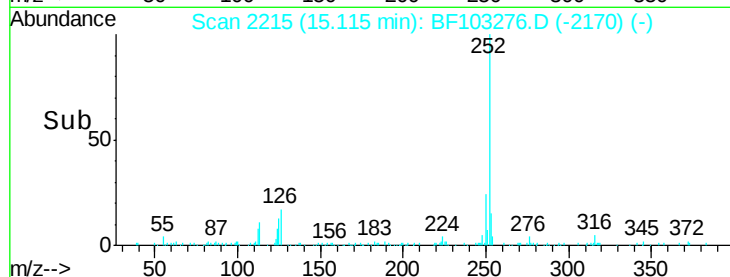
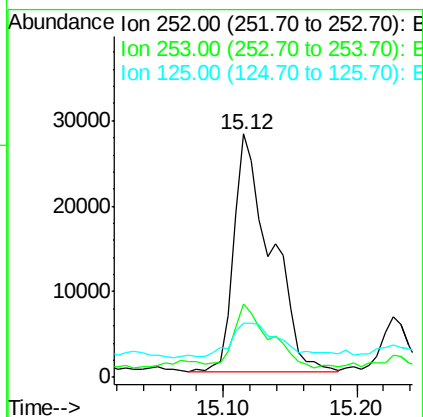
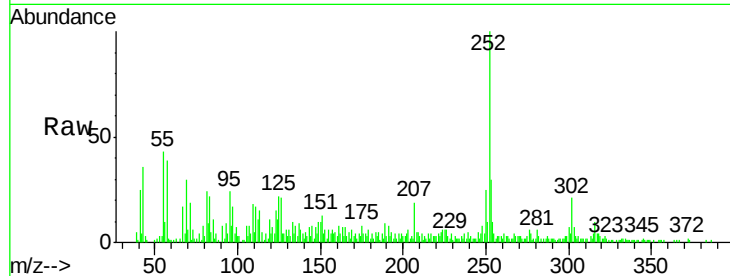




#88
Benzo(k)fluoranthene
Concen: 4.87 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

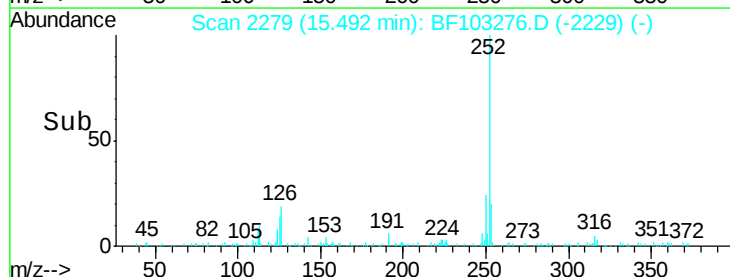
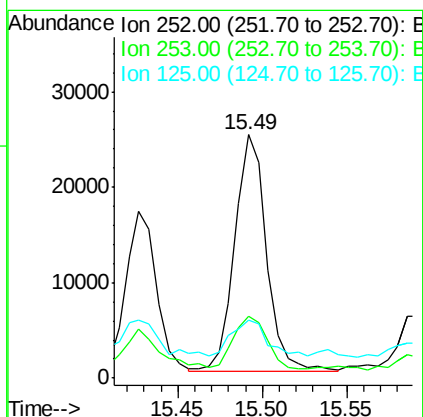
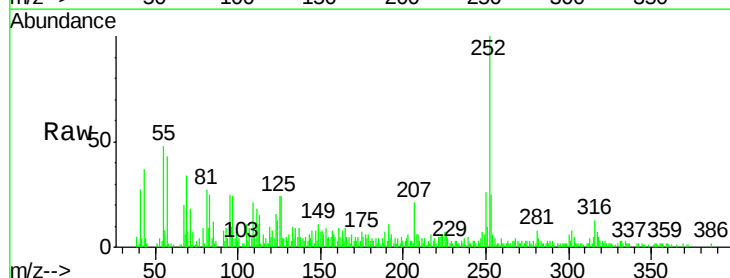
Instrument :
BNA_F
ClientSampleId :

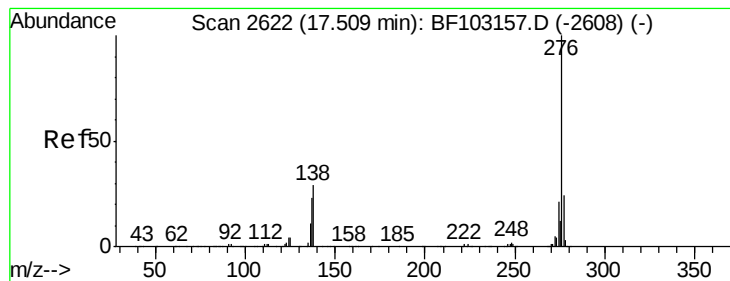
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.9	26.9#
125	22.1	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 3.07 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103276.D
Acq: 27 Feb 2018 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	23.6	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.24 ng

RT: 17.54 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BF103276.D

Acq: 27 Feb 2018 21:07

Instrument :

BNA_F

ClientSampleId :

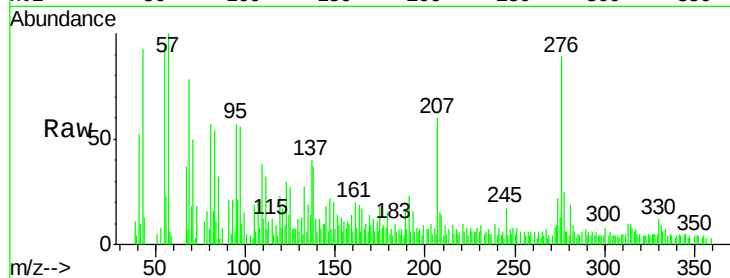
Tot Ion:276 Resp: 17835

Ion Ratio Lower Upper

276 100

277 27.7 17.9 26.9#

138 41.9 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

