

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103277.D
 Acq On : 27 Feb 2018 21:34
 Operator : SJ/JU
 Sample : J1698-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 00:02:43 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	161947	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	645007	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	252884	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	359901	20.00	ng	0.00
75) Chrysene-d12	14.06	240	261793	20.00	ng	0.00
86) Perylene-d12	15.56	264	204749	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1343111	125.43	ng	0.01
7) Phenol-d6	6.52	99	1481147	113.04	ng	0.00
23) Nitrobenzene-d5	7.45	82	933380	82.64	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	217113	101.43	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1228885	83.30	ng	0.00
78) Terphenyl-d14	12.99	244	872458	80.11	ng	0.00

Target Compounds

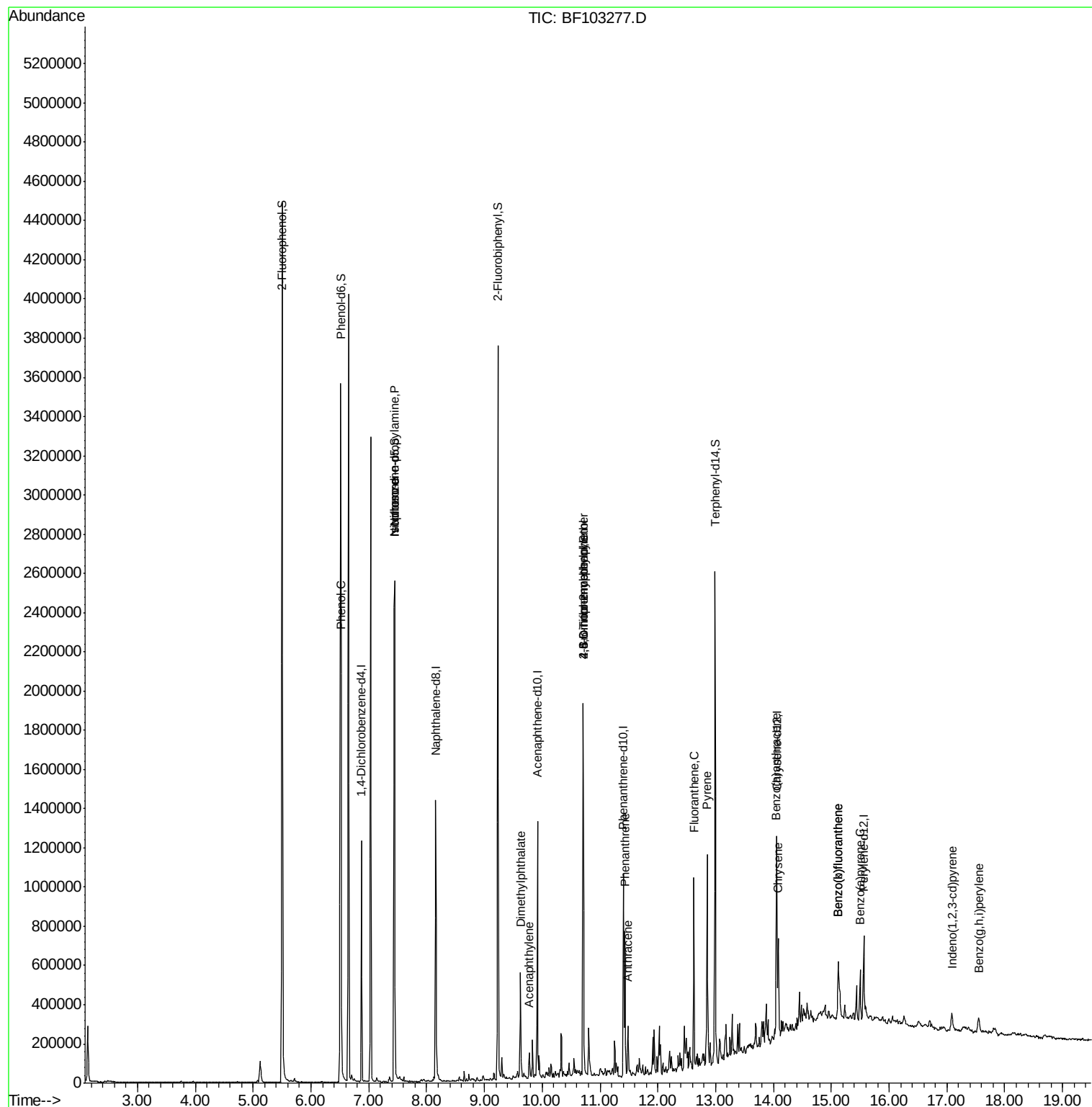
						Qvalue
9) Benzaldehyde	6.51	77	2622	Below Cal	#	1
10) Phenol	6.53	94	34895	2.29	ng	94
19) n-Nitroso-di-n-propylamine	7.45	70	126514	15.51	ng	# 79
25) Isophorone	7.45	82	933365	41.96	ng	# 64
48) Acenaphthylene	9.77	152	54643	2.12	ng	98
49) Dimethylphthalate	9.62	163	178441	8.80	ng	99
64) 4,6-Dinitro-2-methylphenol	10.71	198	339	5.08	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	14657	3.91	ng	# 1
70) Phenanthrene	11.43	178	254756	12.86	ng	99
71) Anthracene	11.48	178	101517	5.00	ng	98
74) Fluoranthene	12.62	202	358924	18.03	ng	98
77) Pyrene	12.86	202	416892	20.42	ng	98
80) Benzo(a)anthracene	14.04	228	210096	12.37	ng	97
82) Chrysene	14.08	228	196349	11.90	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	58869	4.51	ng	98
87) Benzo(b)fluoranthene	15.12	252	216294	16.07	ng	# 94
88) Benzo(k)fluoranthene	15.12	252	216294	17.06	ng	97
89) Benzo(a)pyrene	15.50	252	120984	10.06	ng	# 94
91) Benzo(a,h,i)perylene	17.54	276	64630	7.12	ng	93

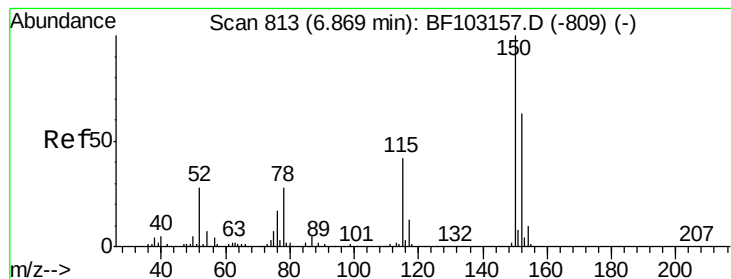
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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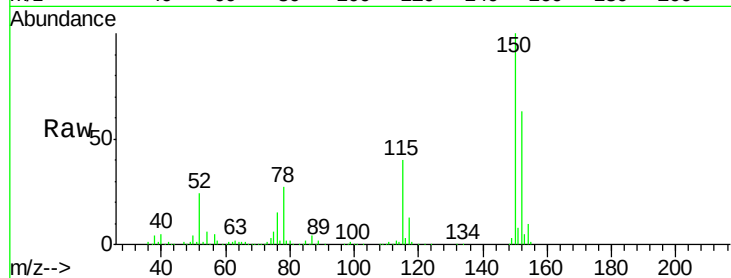


#1

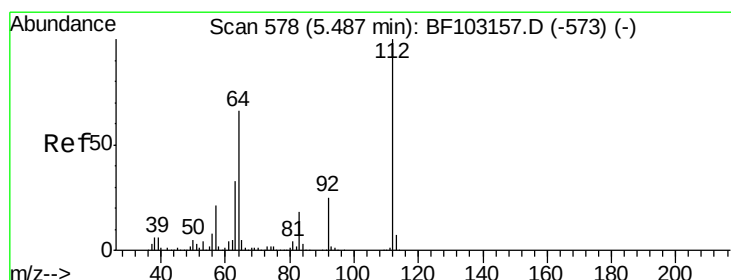
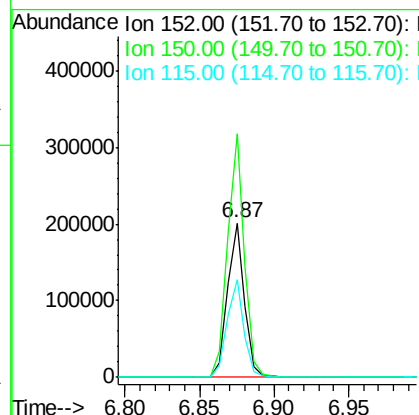
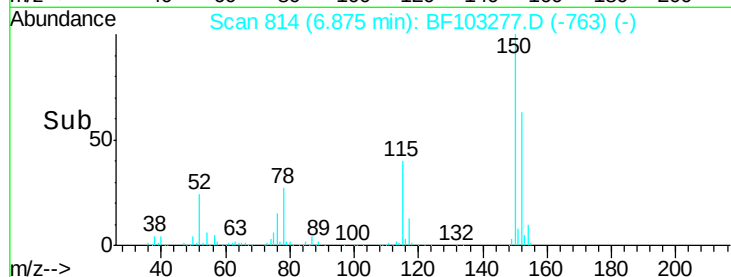
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161947
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 63.3 50.1 75.1



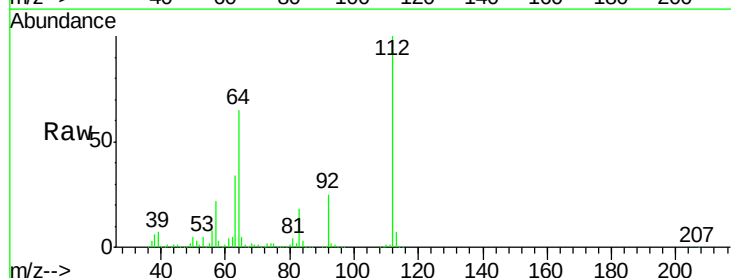
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



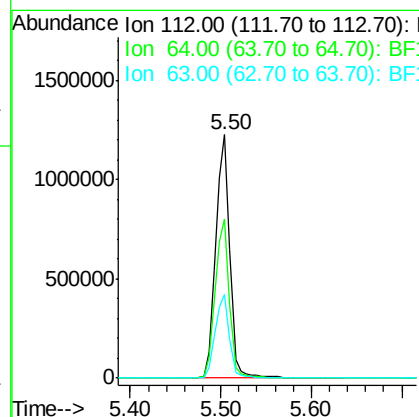
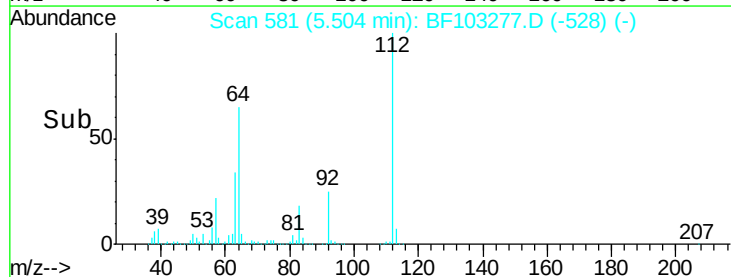
#5

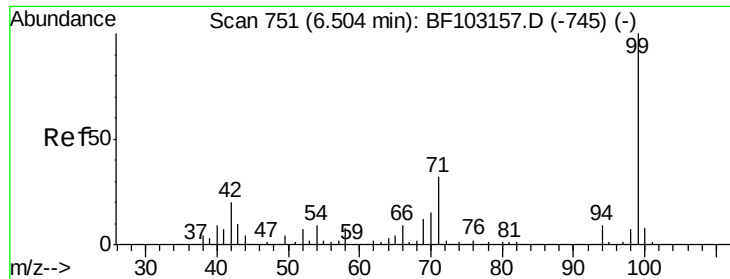
2-Fluorophenol
Concen: 125.43 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion:112 Resp: 1343111
Ion Ratio Lower Upper
112 100
64 65.2 47.9 71.9
63 34.2 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: 113.04 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

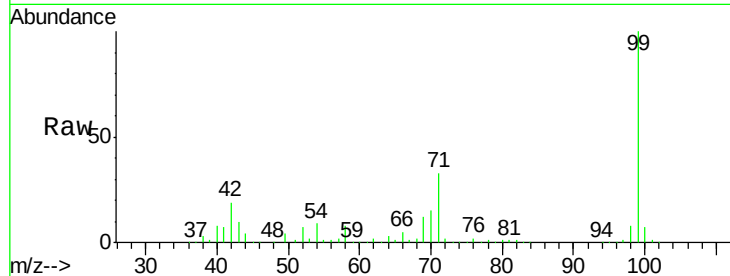
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1481147

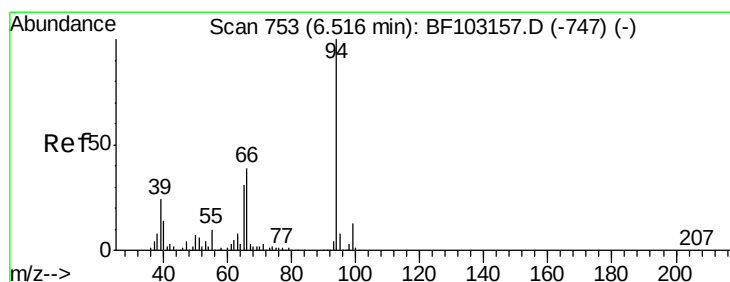
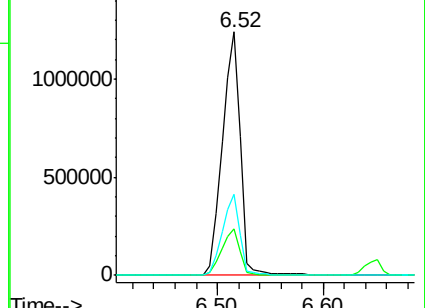
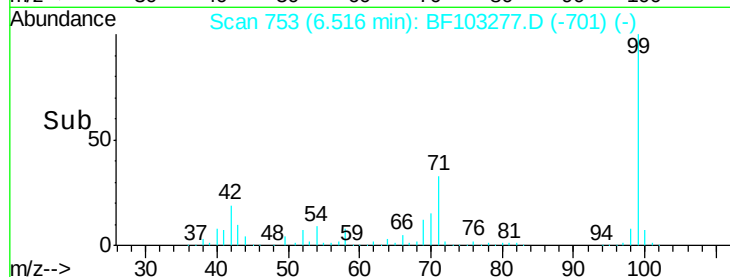
Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.5	21.7
71	33.5	25.4	38.0



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



#10

Phenol

Concen: 2.29 ng

RT: 6.53 min Scan# 755

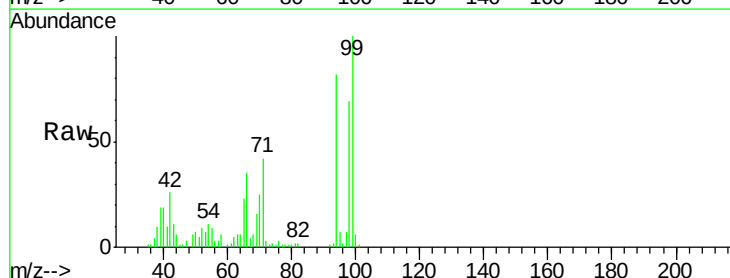
Delta R.T. 0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Tgt Ion: 94 Resp: 34895

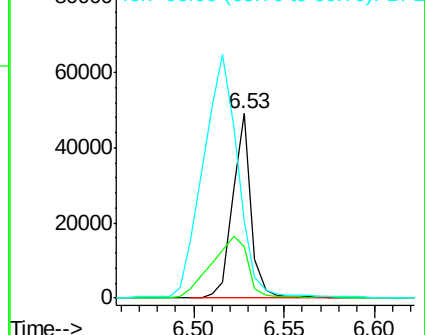
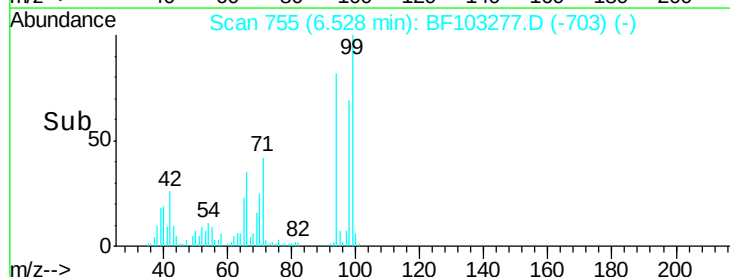
Ion	Ratio	Lower	Upper
94	100		
65	28.2	7.9	47.9
66	42.1	16.2	56.2

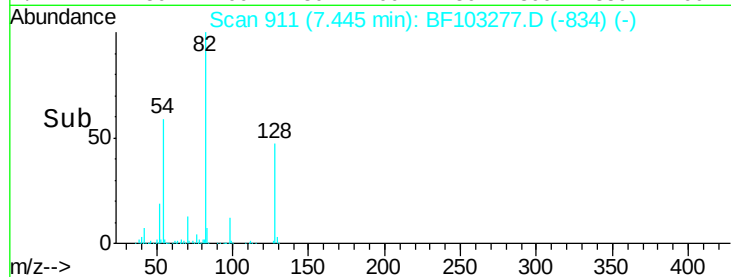
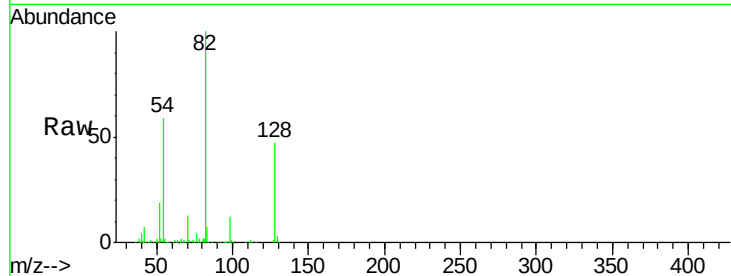
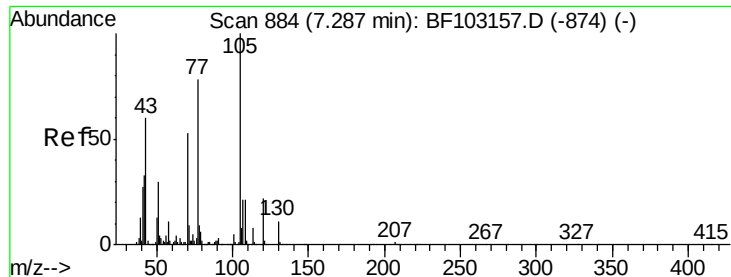


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

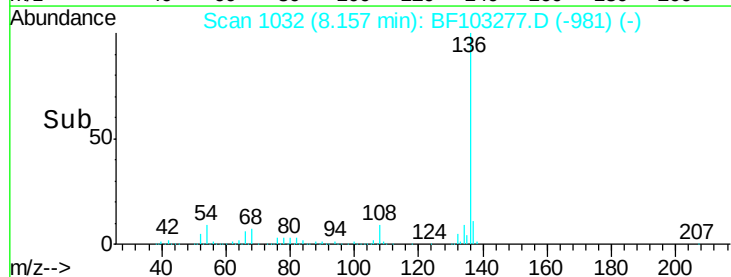
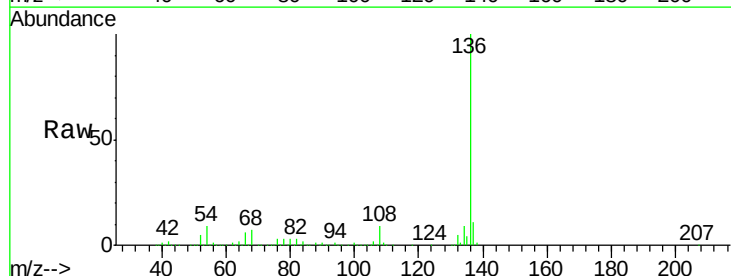
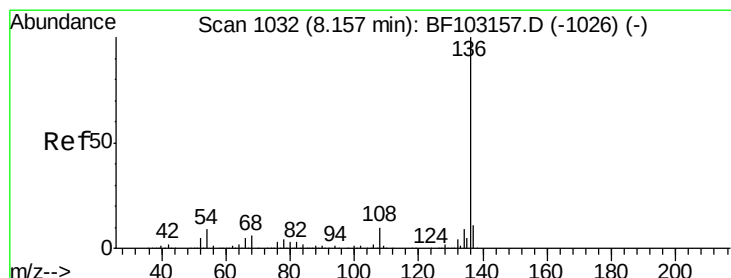
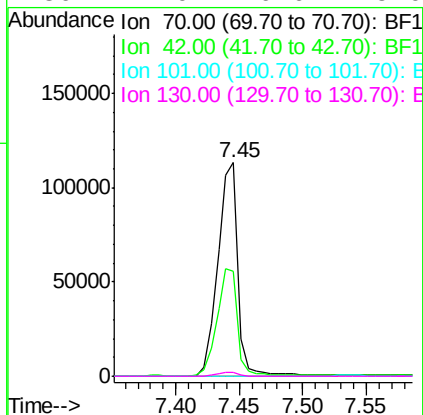




#19
n-Nitroso-di-n-propylamine
Concen: 15.51 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

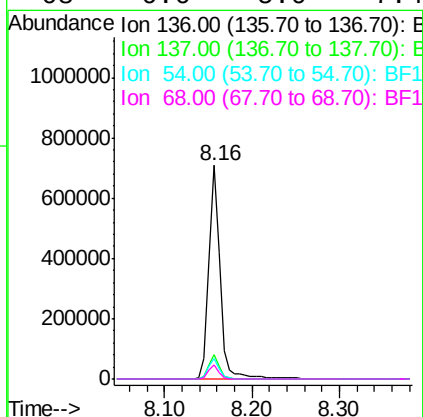
Instrument :
BNA_F
ClientSampleId :

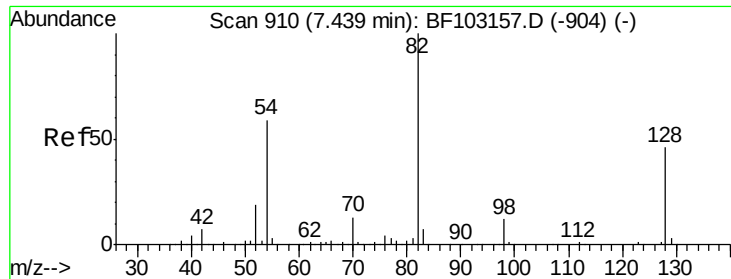
Tot Ion: 70 Resp: 126514
Ion Ratio Lower Upper
70 100
42 49.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion: 136 Resp: 645007
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 9.3 6.6 9.8
68 6.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 82.64 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Instrument :

BNA_F

ClientSampleId :

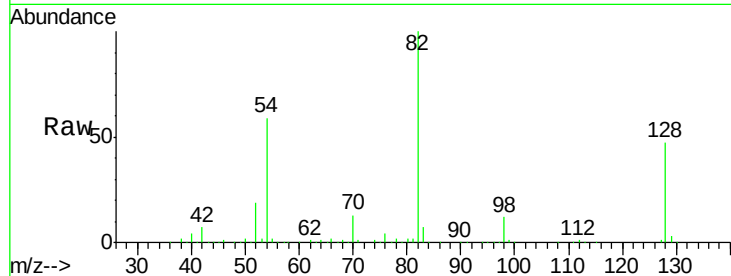
Tot Ion: 82 Resp: 933380

Ion Ratio Lower Upper

82 100

128 47.1 36.1 54.1

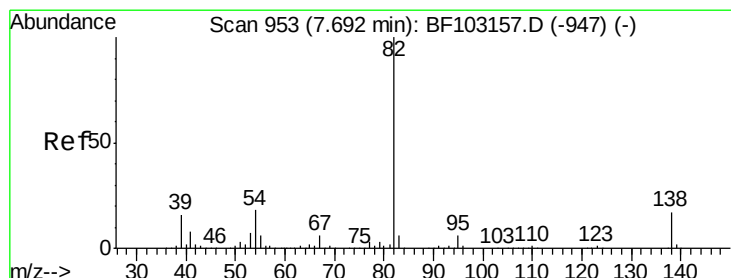
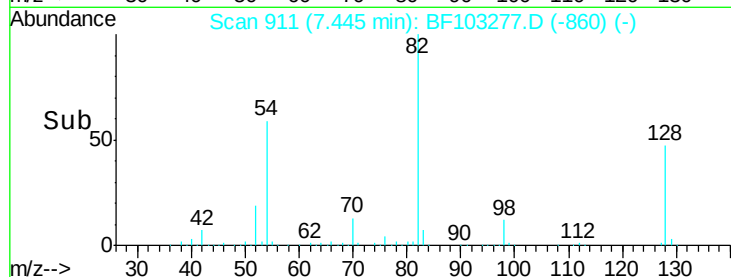
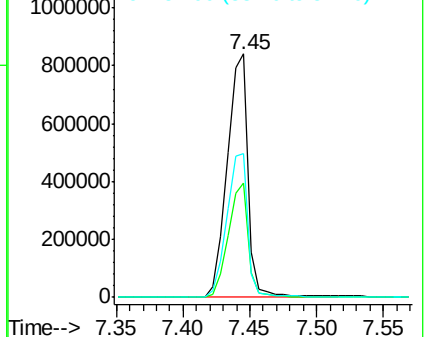
54 59.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 41.96 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

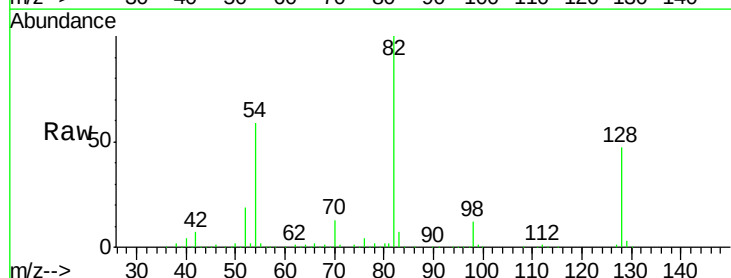
Tgt Ion: 82 Resp: 933365

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

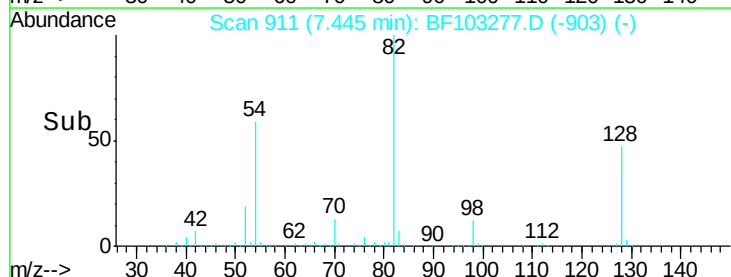
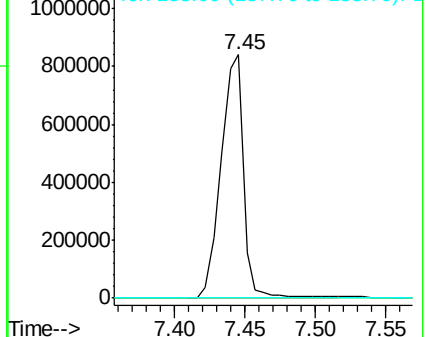
138 0.0 14.9 22.3#

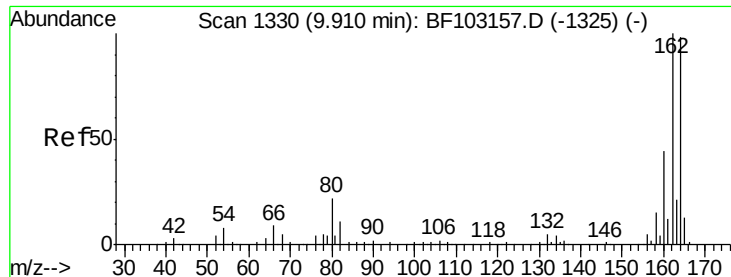


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

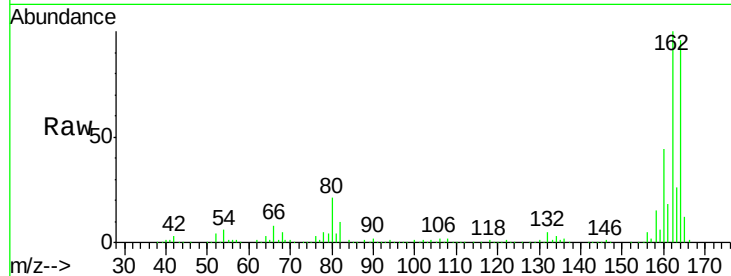




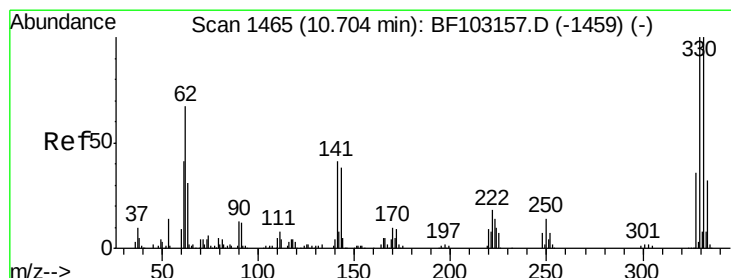
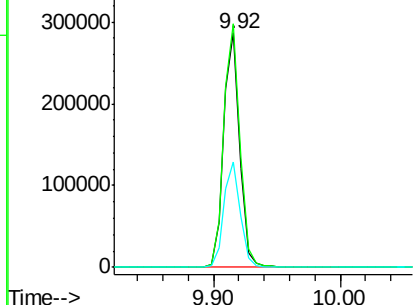
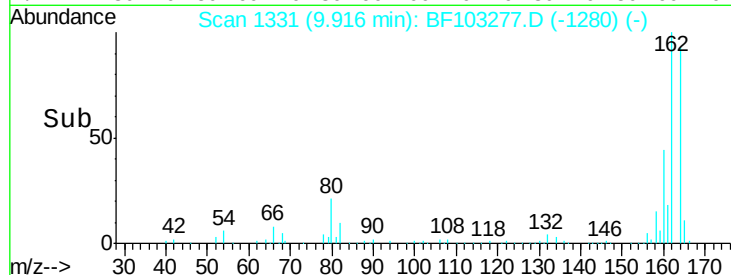
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF103277.D
 Acq: 27 Feb 2018 21:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 252884
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 45.2 38.3 57.5

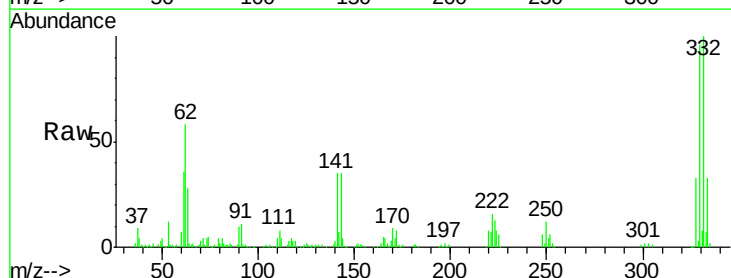


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

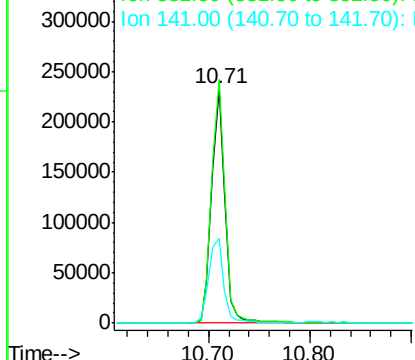
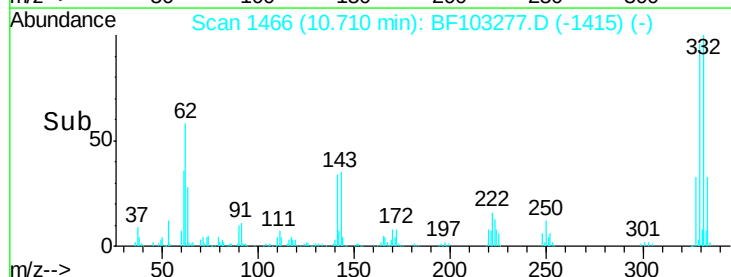


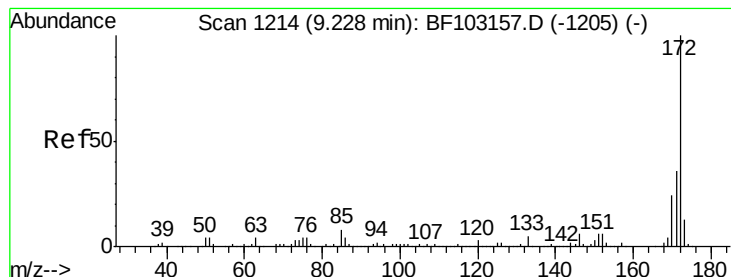
#41
 2,4,6-Tribromophenol
 Concen: 101.43 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103277.D
 Acq: 27 Feb 2018 21:34

Tgt Ion:330 Resp: 217113
 Ion Ratio Lower Upper
 330 100
 332 105.0 77.0 115.6
 141 39.1 29.9 44.9



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





#44

2-Fluorobiphenyl

Concen: 83.30 ng

RT: 9.23 min Scan# 1215

Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

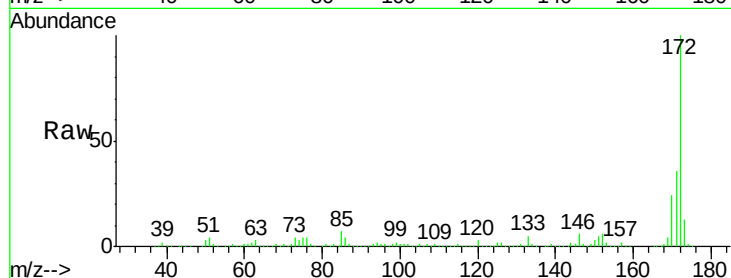
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1228885

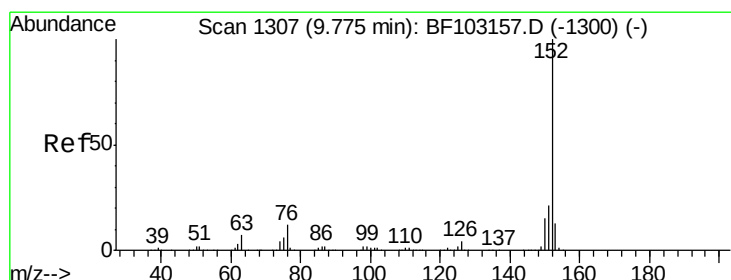
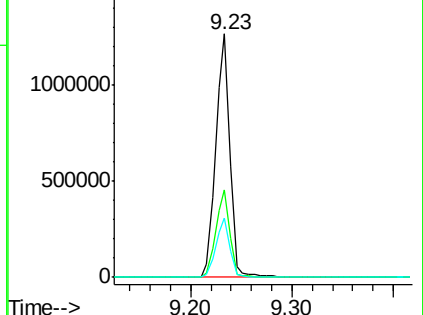
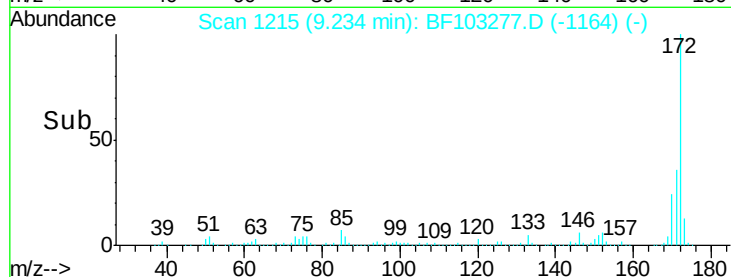
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.1	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48

Acenaphthylene

Concen: 2.12 ng

RT: 9.77 min Scan# 1307

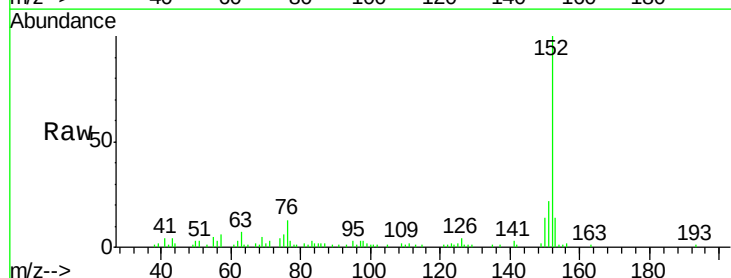
Delta R.T. -0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Tgt Ion:152 Resp: 54643

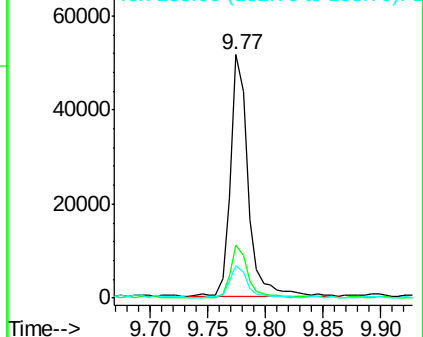
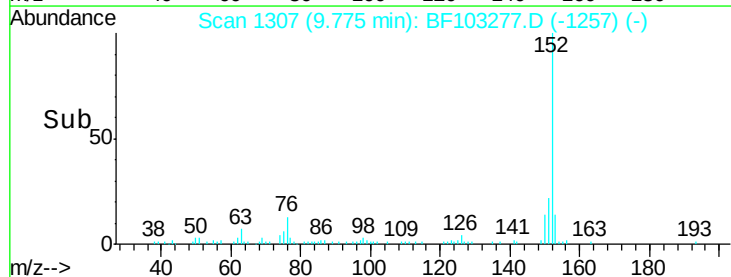
Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.3	24.5
153	13.6	10.7	16.1

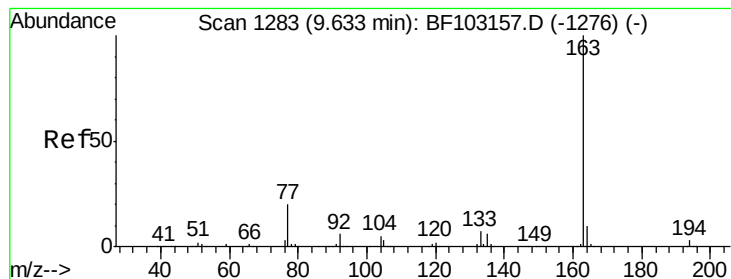


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 8.80 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Instrument :

BNA_F

ClientSampleId :

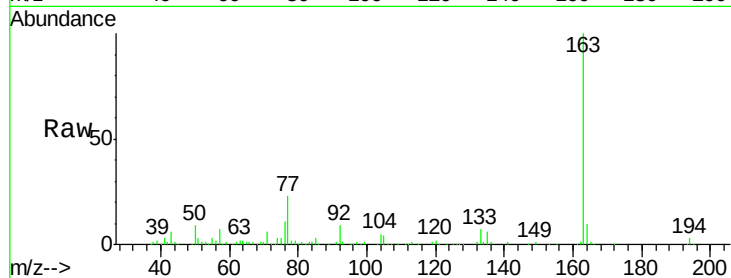
Tot Ion:163 Resp: 178441

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

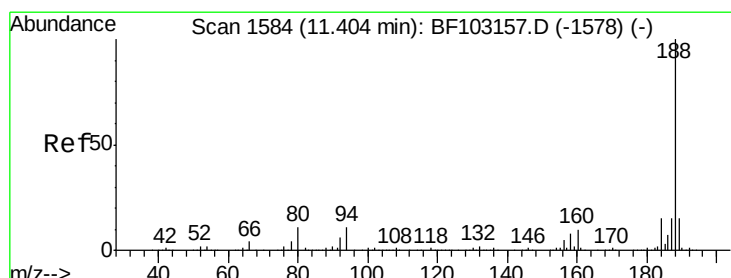
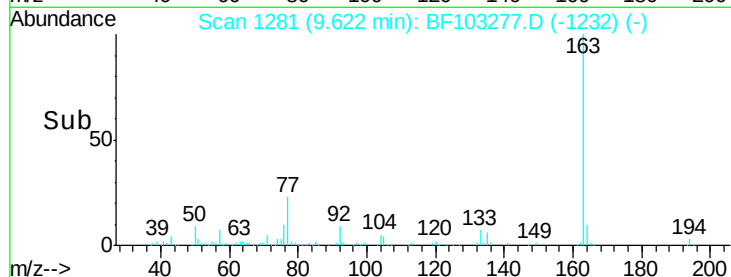
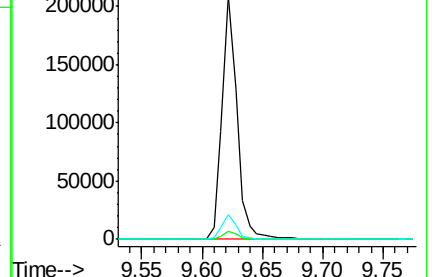
164 9.9 8.2 12.2



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: BF103277.D

Acq: 27 Feb 2018 21:34

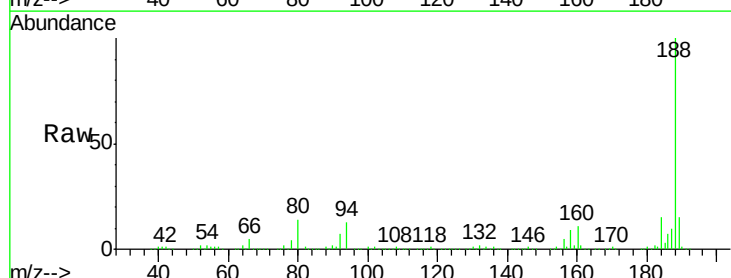
Tgt Ion:188 Resp: 359901

Ion Ratio Lower Upper

188 100

94 12.9 8.5 12.7#

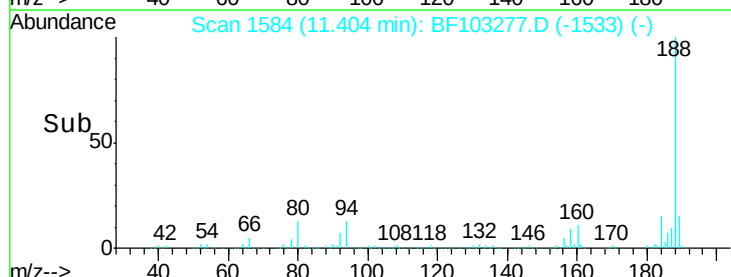
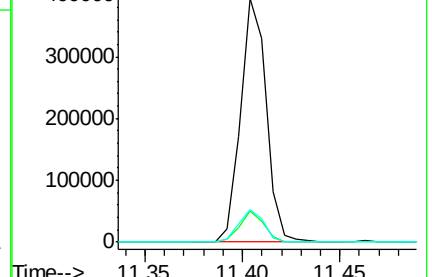
80 13.5 9.2 13.8

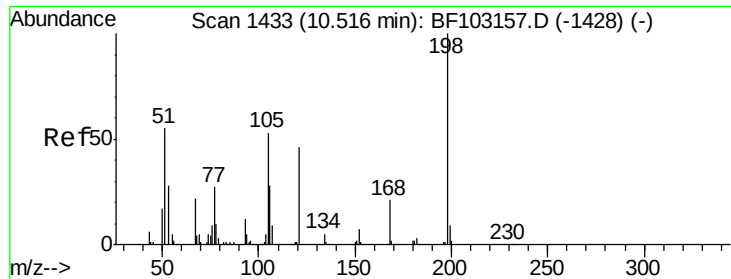


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

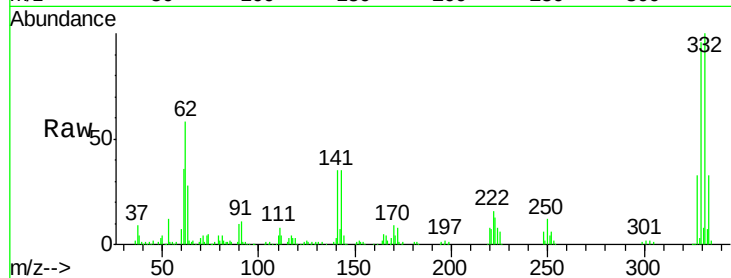




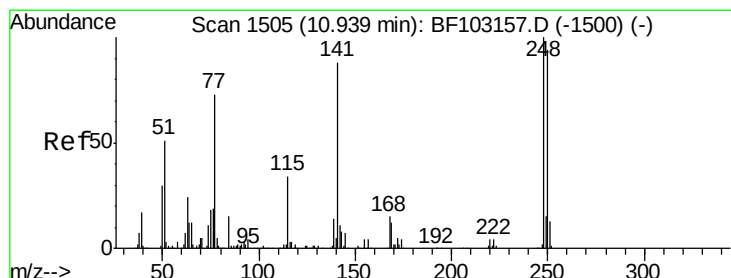
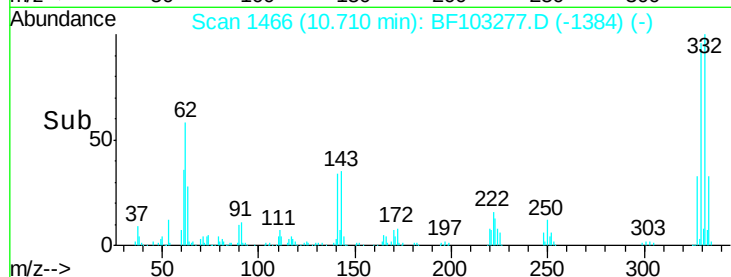
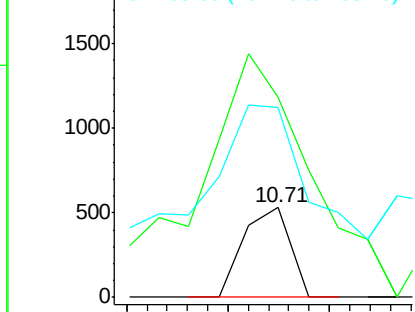
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.08 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.18 min
 Lab File: BF103277.D
 Acq: 27 Feb 2018 21:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 339
 Ion Ratio Lower Upper
 198 100
 51 222.6 37.7 77.7#
 105 211.3 36.3 76.3#

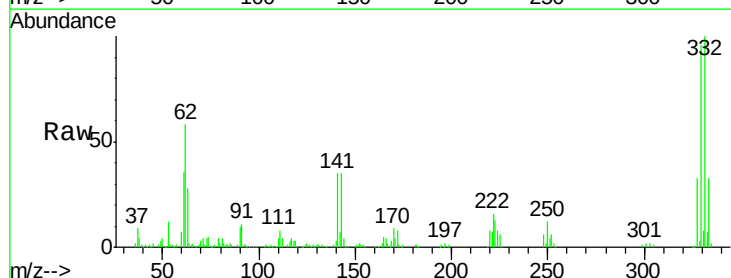


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

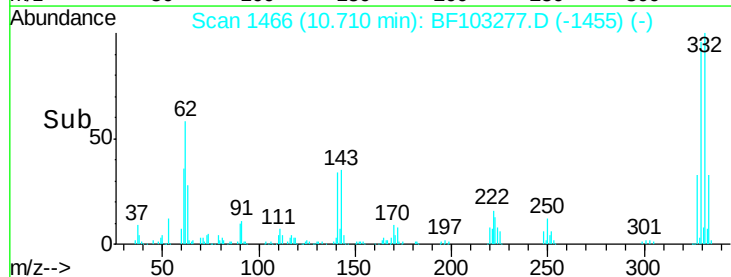
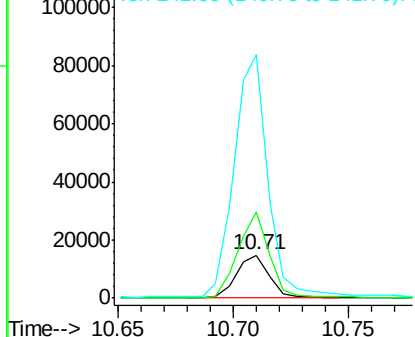


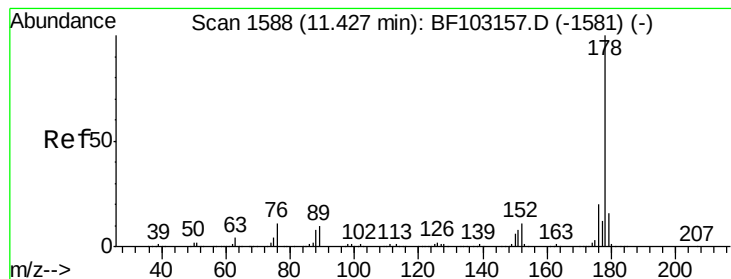
#66
 4-Bromophenyl-phenylether
 Concen: 3.91 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103277.D
 Acq: 27 Feb 2018 21:34

Tgt Ion:248 Resp: 14657
 Ion Ratio Lower Upper
 248 100
 250 198.2 76.9 115.3#
 141 562.5 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: 12.86 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

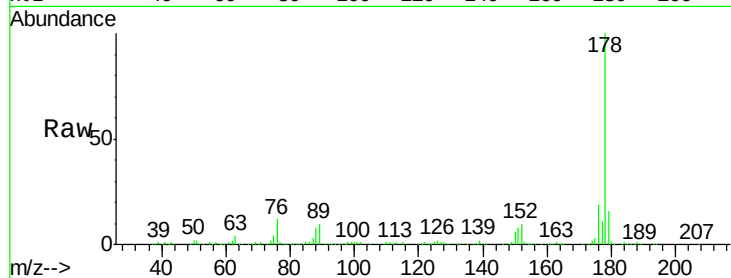
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 254756

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

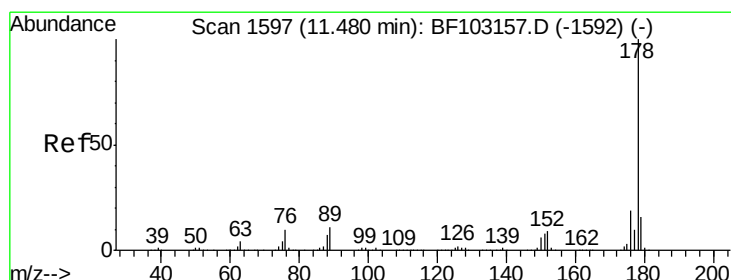
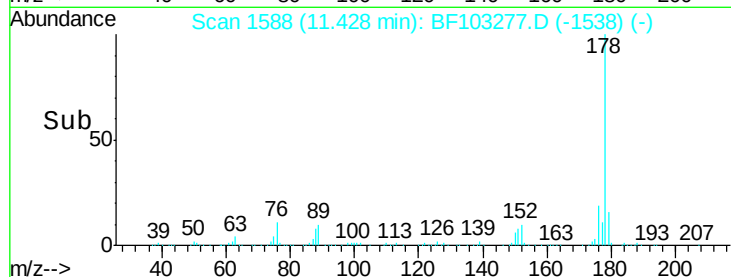
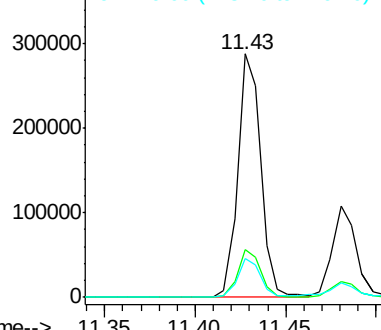


Abundance

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



#71

Anthracene

Concen: 5.00 ng

RT: 11.48 min Scan# 1597

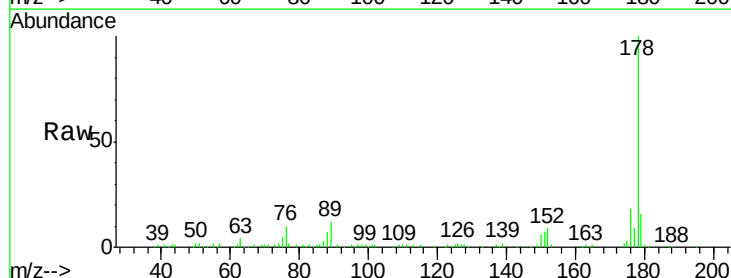
Delta R.T. -0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Tgt Ion:178 Resp: 101517

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.8	12.6	19.0

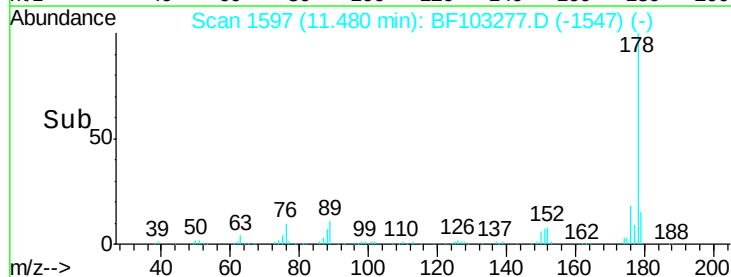
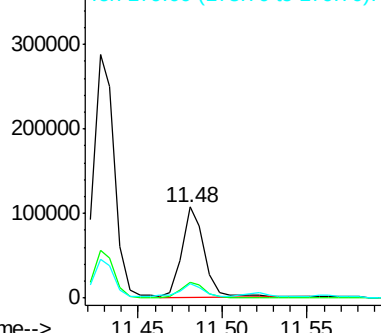


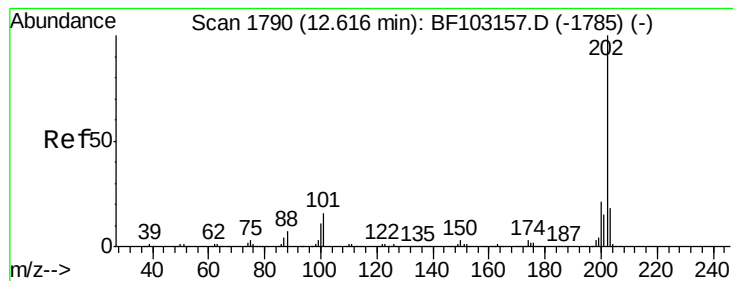
Abundance

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: 18.03 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Instrument :

BNA_F

ClientSampleId :

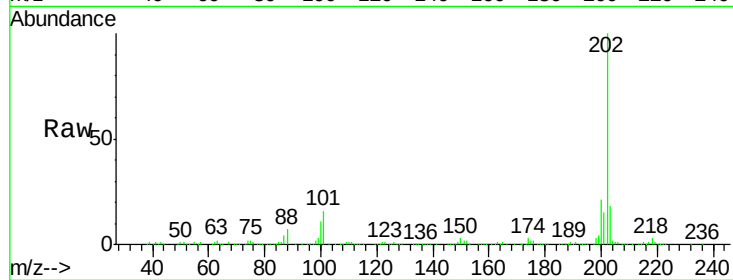
Tot Ion:202 Resp: 358924

Ion Ratio Lower Upper

202 100

101 15.6 0.0 34.1

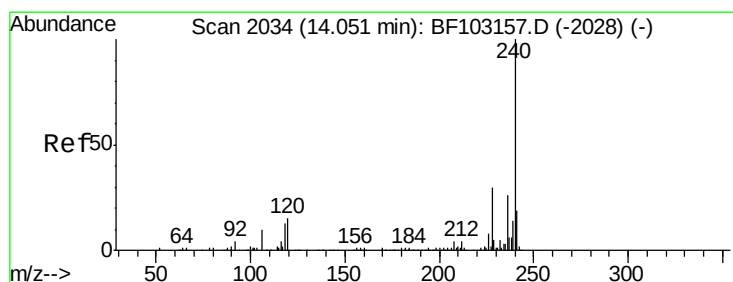
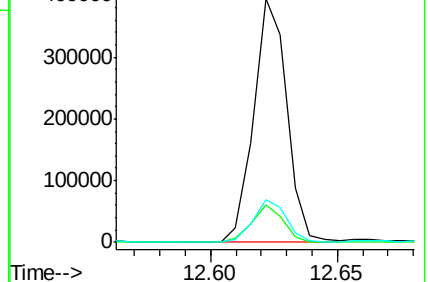
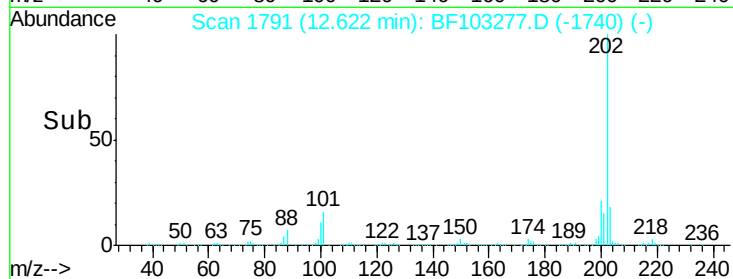
203 17.6 0.0 38.1



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: BF103277.D

Acq: 27 Feb 2018 21:34

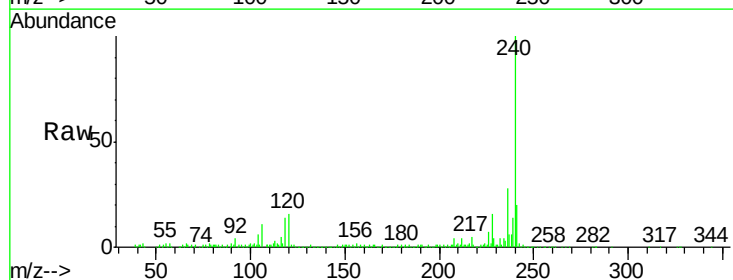
Tgt Ion:240 Resp: 261793

Ion Ratio Lower Upper

240 100

120 16.1 9.5 14.3#

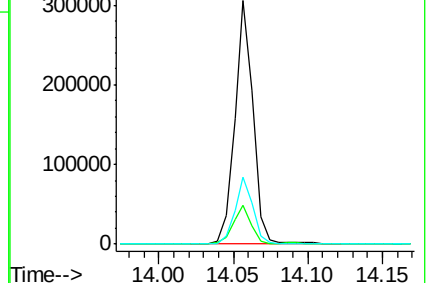
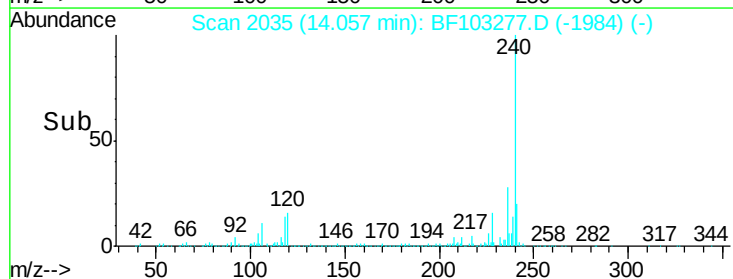
236 27.8 20.7 31.1

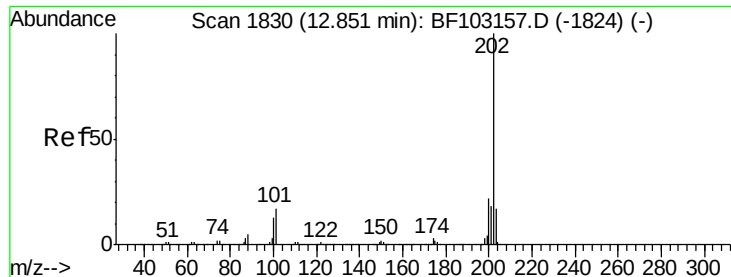


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

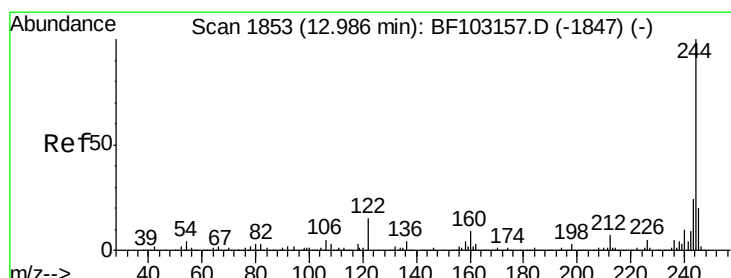
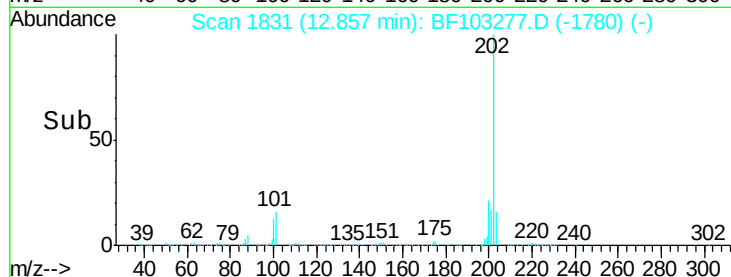
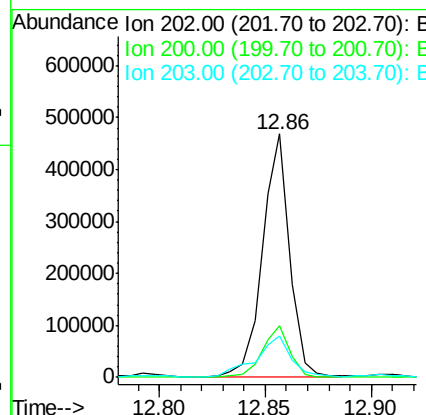
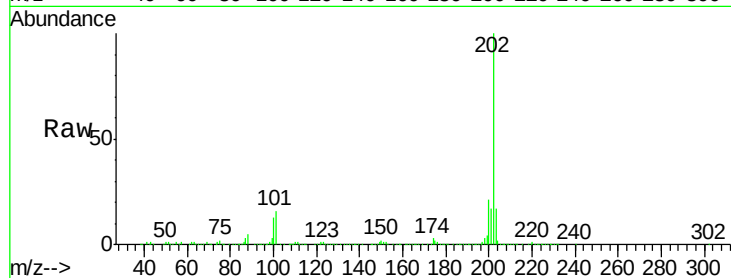




#77
Pvrene
Concen: 20.42 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

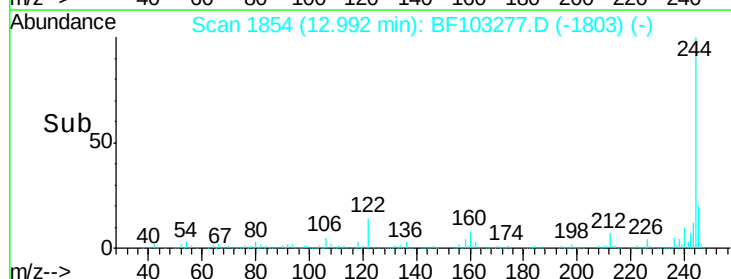
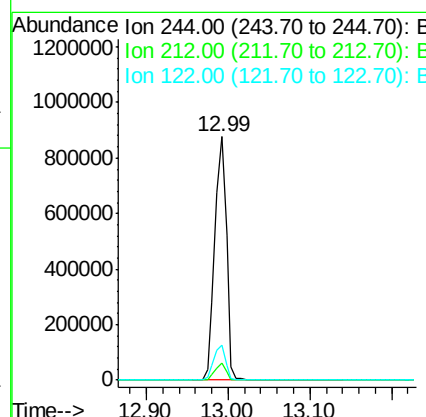
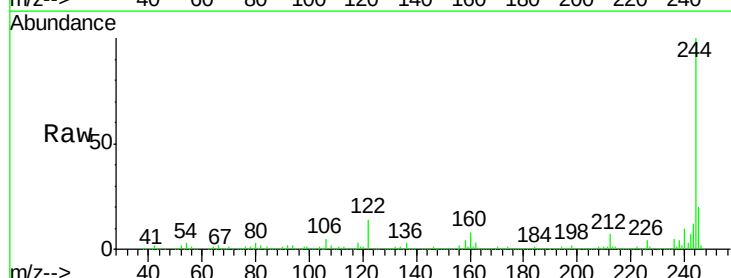
Instrument :
BNA_F
ClientSampleId :

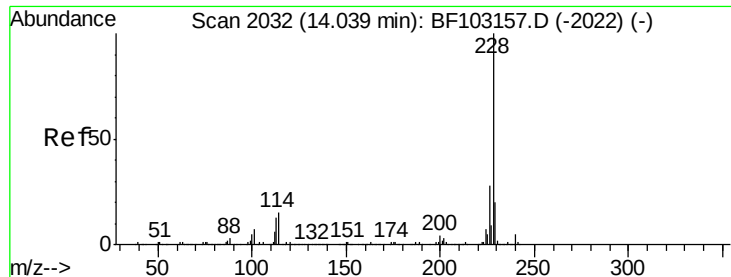
Tot Ion:202 Resp: 416892
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.0 14.3 21.5



#78
Terphenyl-d14
Concen: 80.11 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion:244 Resp: 872458
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 14.5 11.0 16.4





#80

Benzo(a)anthracene

Concen: 12.37 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Instrument :

BNA_F

ClientSampleId :

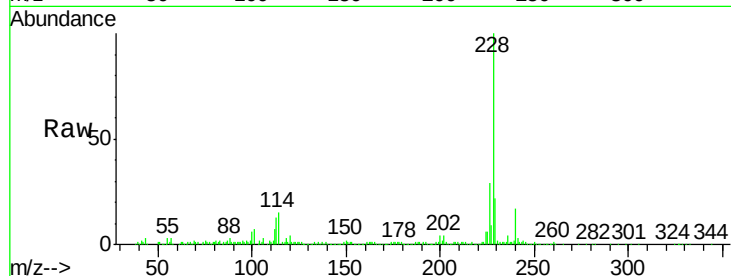
Tot Ion:228 Resp: 210096

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

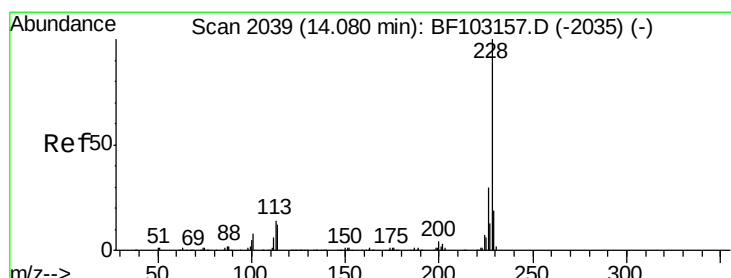
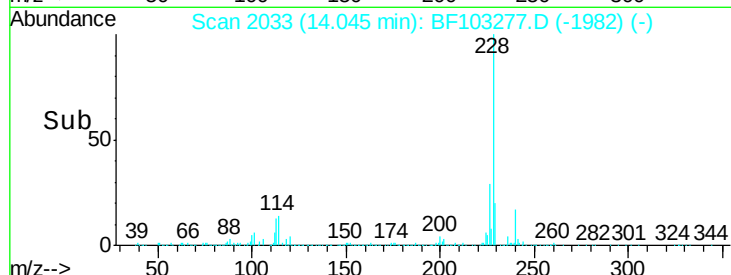
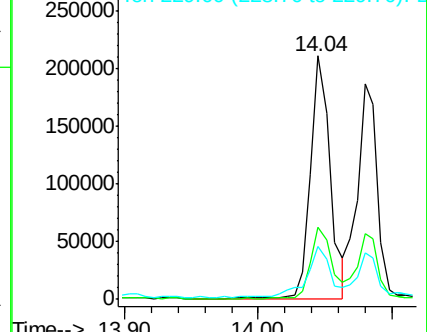
229 21.6 15.8 23.6



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: 11.90 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

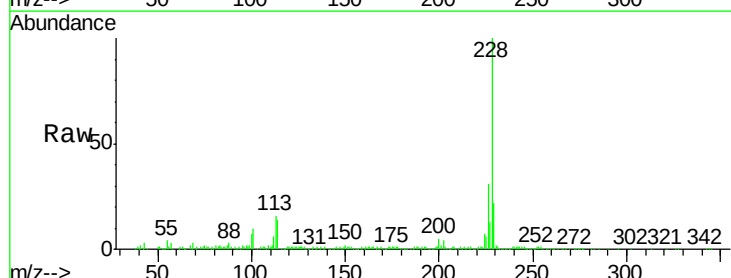
Tgt Ion:228 Resp: 196349

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

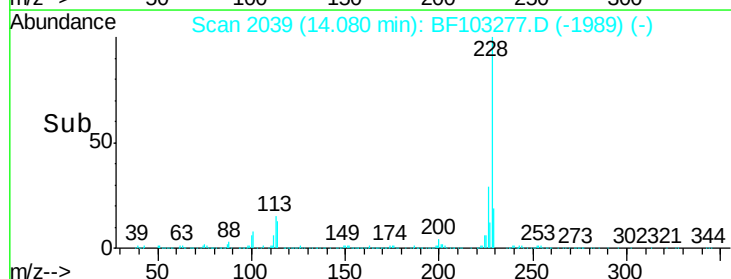
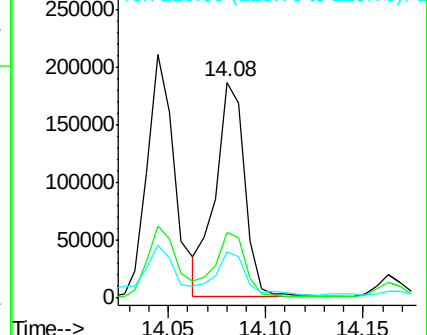
229 21.6 16.2 24.4

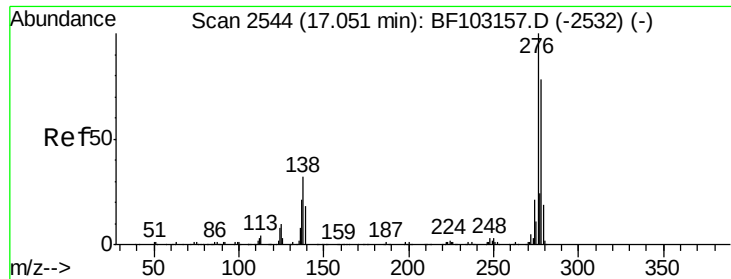


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

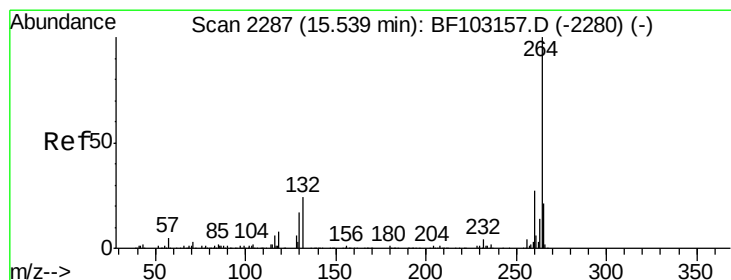
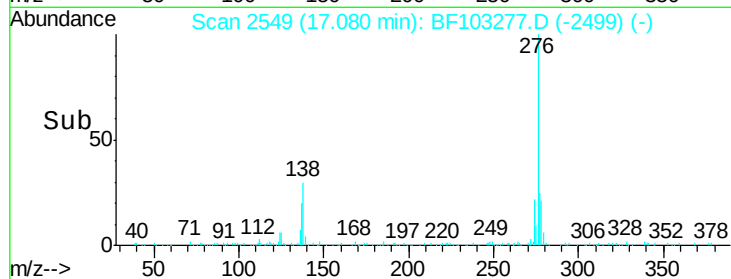
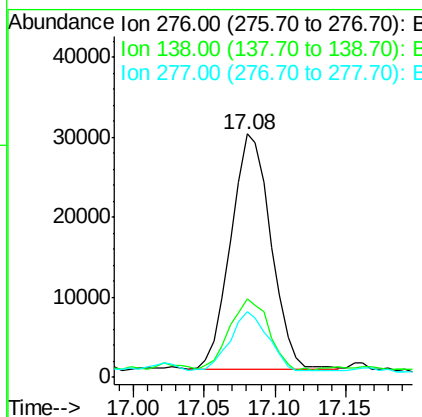
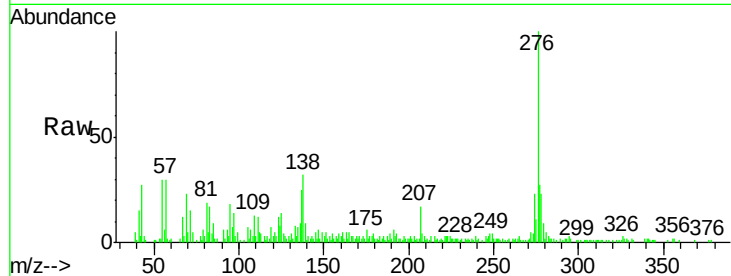




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.51 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BF103277.D
 Acq: 27 Feb 2018 21:34

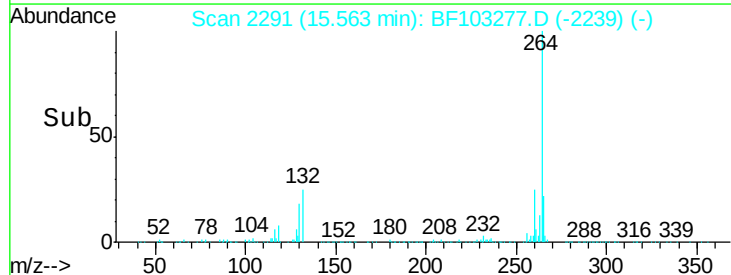
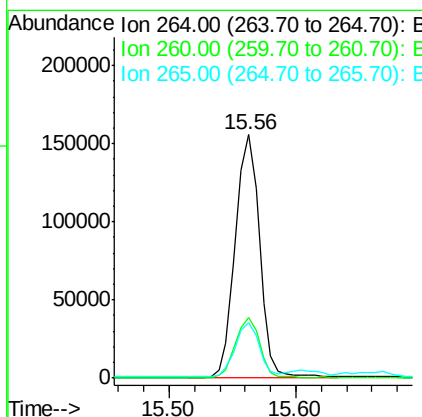
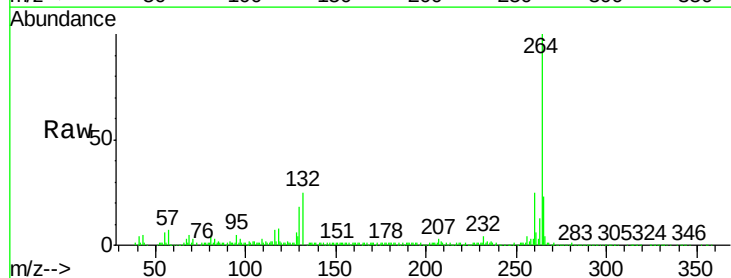
Instrument :
 BNA_F
 ClientSampleId :

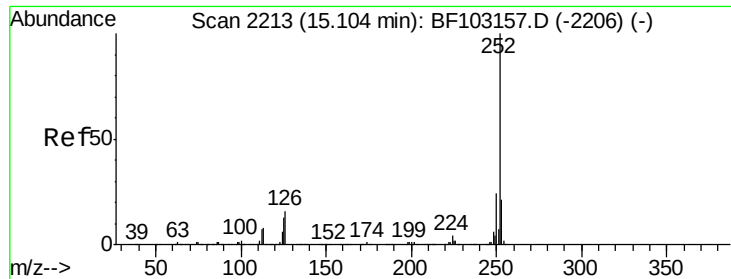
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	24.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.01 min
 Lab File: BF103277.D
 Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.7	17.5	26.3

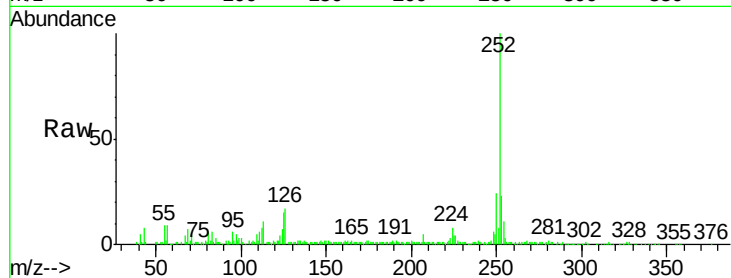




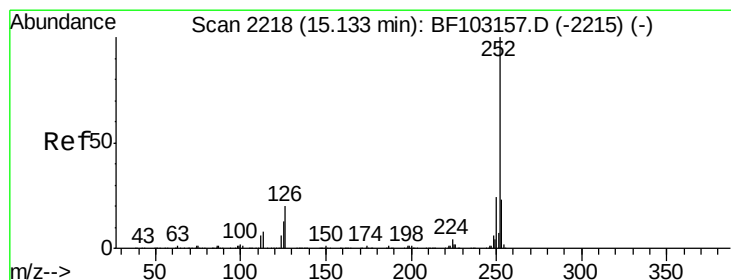
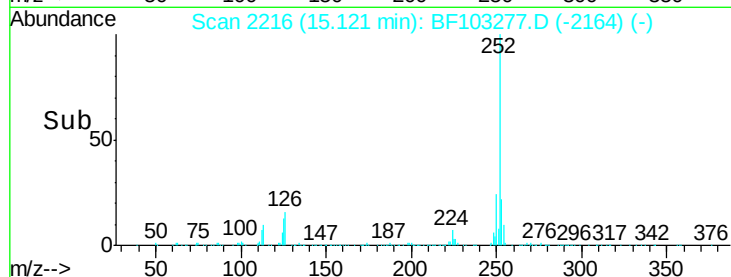
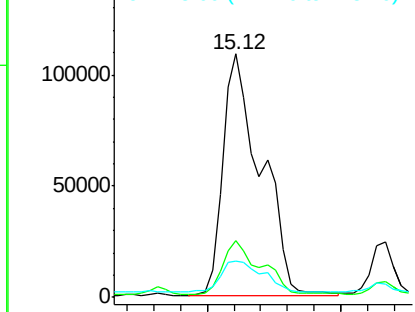
#87
Benzo(b)fluoranthene
Concen: 16.07 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	15.0	9.0	13.6

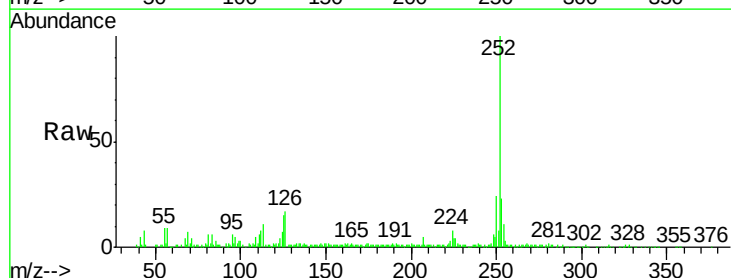


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

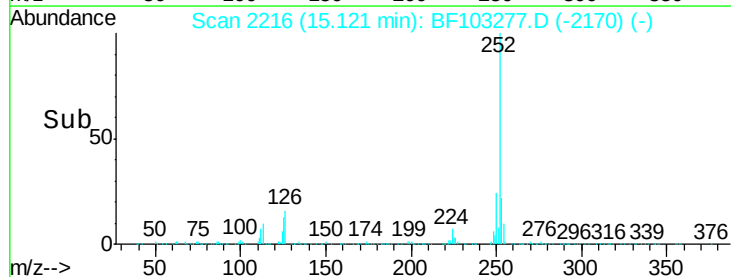
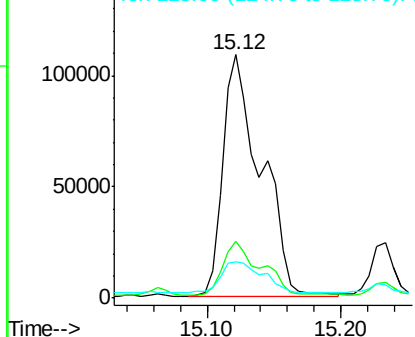


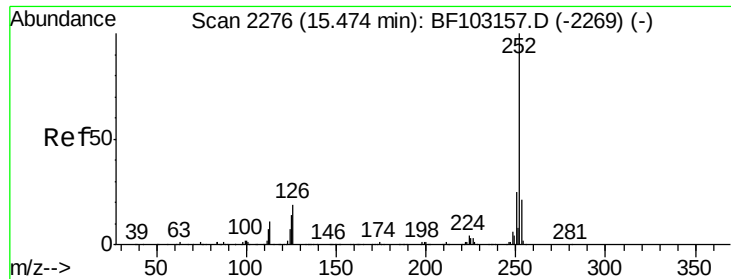
#88
Benzo(k)fluoranthene
Concen: 17.06 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF103277.D
Acq: 27 Feb 2018 21:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	15.0	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: 10.06 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

Instrument :

BNA_F

ClientSampleId :

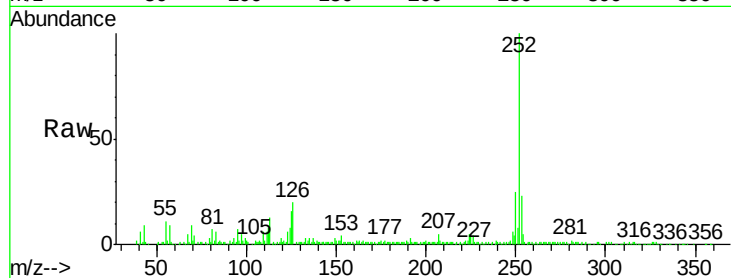
Tot Ion:252 Resp: 120984

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

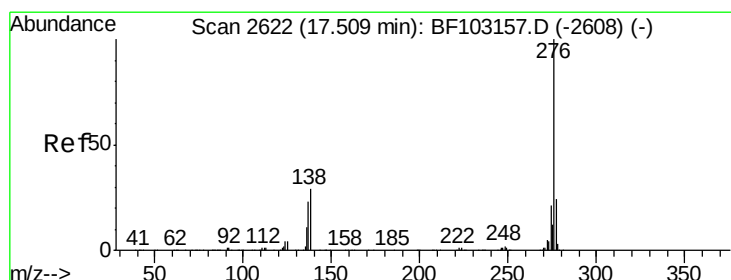
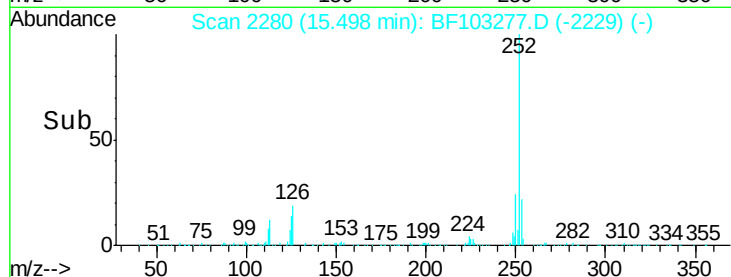
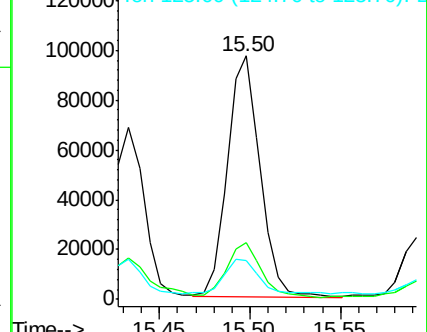
125 16.2 9.8 14.6#



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: 7.12 ng

RT: 17.54 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BF103277.D

Acq: 27 Feb 2018 21:34

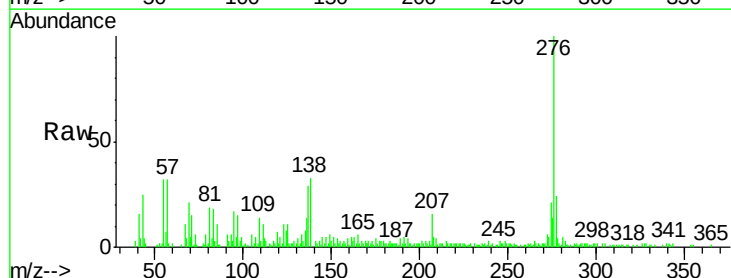
Tgt Ion:276 Resp: 64630

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 32.7 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

