

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103425.D
 Acq On : 5 Mar 2018 22:42
 Operator : SJ/JU
 Sample : J1723-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 23:56:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	121133	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	488828	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	195617	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	288262	20.00	ng	0.00
75) Chrysene-d12	14.07	240	182279	20.00	ng	0.00
86) Perylene-d12	15.58	264	131486	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	936585	116.94	ng	0.00
7) Phenol-d6	6.52	99	1095684	111.80	ng	0.00
23) Nitrobenzene-d5	7.44	82	598688	69.94	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	136387	82.37	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	828592	69.91	ng	0.00
78) Terphenyl-d14	13.00	244	571430	75.36	ng	0.00

Target Compounds

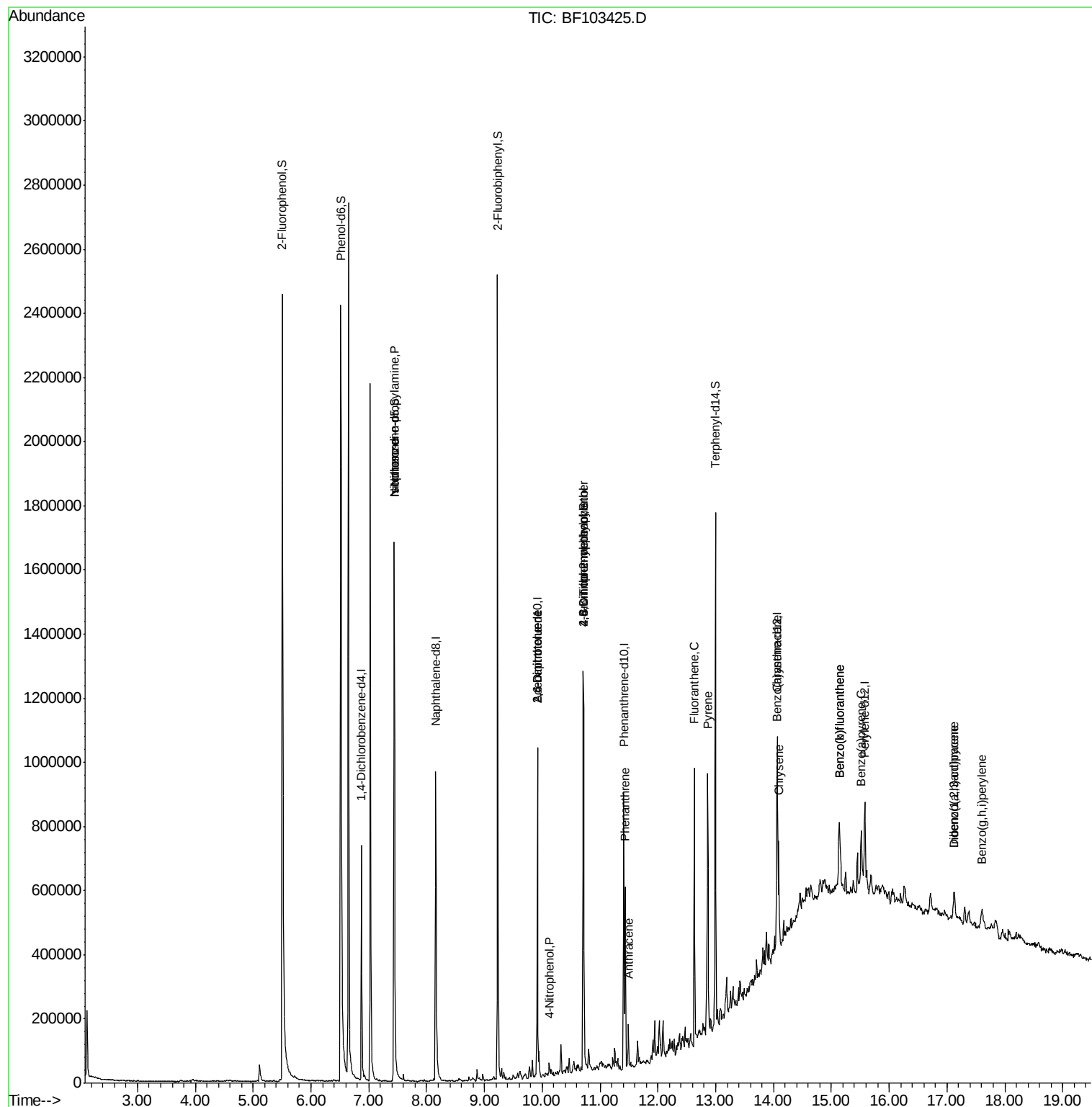
						Qvalue
9) Benzaldehyde	6.47	77	581	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	78958	12.945	ng	# 82
25) Isophorone	7.44	82	598688	35.513	ng	# 64
50) 2,6-Dinitrotoluene	9.92	165	25734	7.814	ng	# 26
55) 4-Nitrophenol	10.12	139	5937	2.293	ng	# 15
56) 2,4-Dinitrotoluene	9.92	165	25734	6.179	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	121	5.007	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	9714	3.235	ng	# 1
70) Phenanthrene	11.43	178	189535	11.948	ng	99
71) Anthracene	11.49	178	52155	3.206	ng	99
74) Fluoranthene	12.63	202	328111	20.582	ng	99
77) Pyrene	12.86	202	310513	21.849	ng	99
80) Benzo(a)anthracene	14.06	228	146118	12.355	ng	99
82) Chrysene	14.09	228	127925	11.140	ng	98
85) Indeno(1,2,3-cd)pyrene	17.13	276	49393	5.433	ng	97
87) Benzo(b)fluoranthene	15.14	252	175373	20.286	ng	# 91
88) Benzo(k)fluoranthene	15.14	252	175373	21.543	ng	# 94
89) Benzo(a)pyrene	15.52	252	88848	11.509	ng	# 91
90) Dibenzo(a,h)anthracene	17.13	278	13344	2.237	ng	# 33
91) Benzo(a,h,i)perylene	17.60	276	48674	8.349	ng	# 87

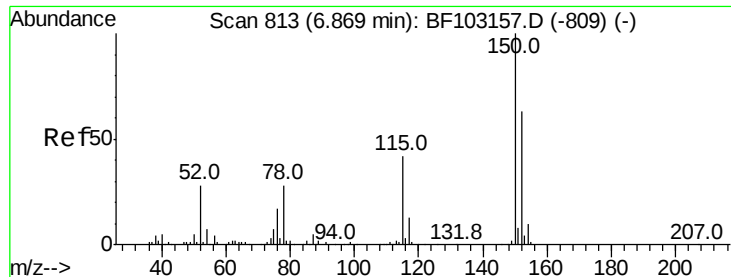
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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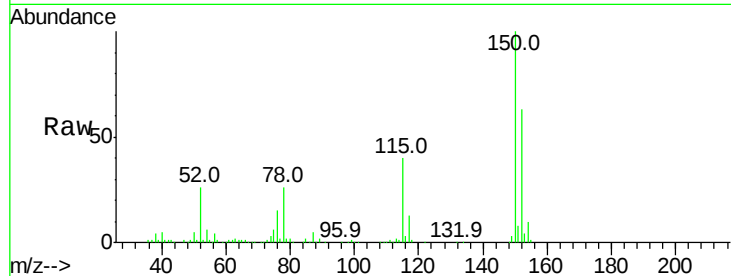


#1

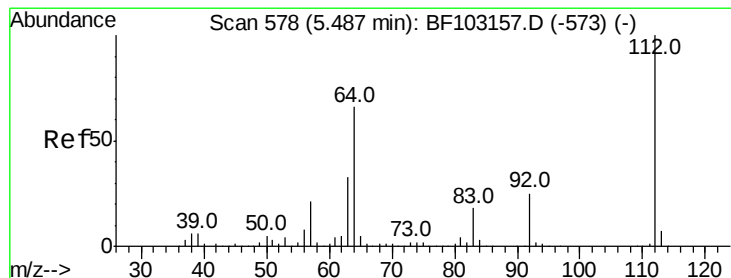
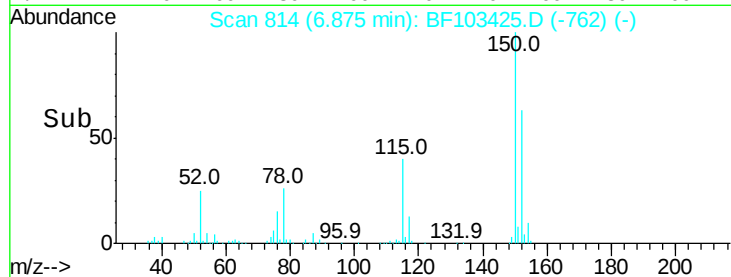
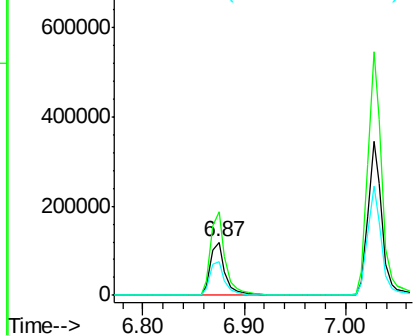
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 121133
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 63.6 50.1 75.1



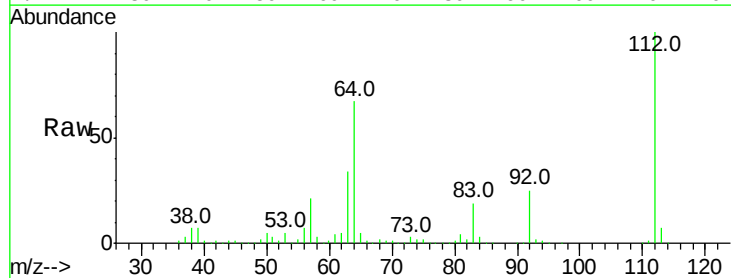
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



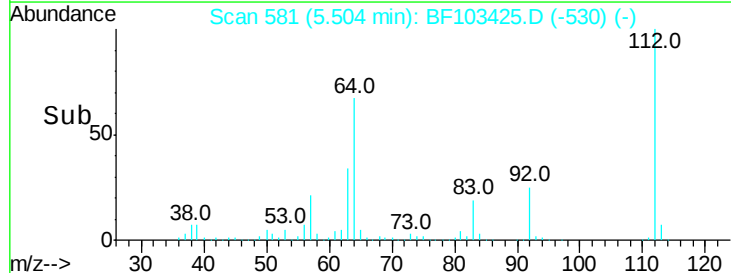
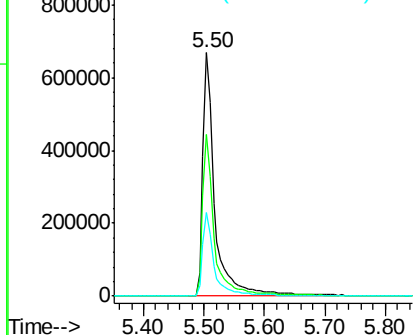
#5

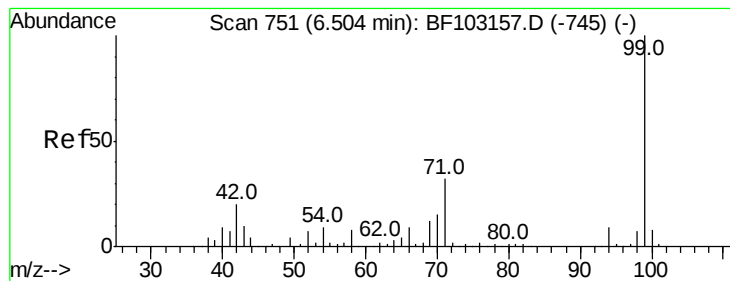
2-Fluorophenol
Concen: 116.939 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

Tgt Ion:112 Resp: 936585
Ion Ratio Lower Upper
112 100
64 66.7 47.9 71.9
63 34.3 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: 111.800 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

Instrument :

BNA_F

ClientSampleId :

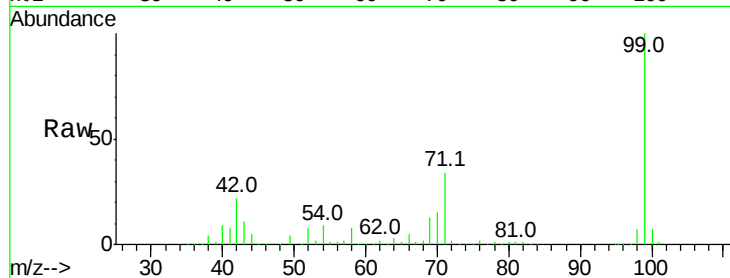
Tot Ion: 99 Resp: 1095684

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

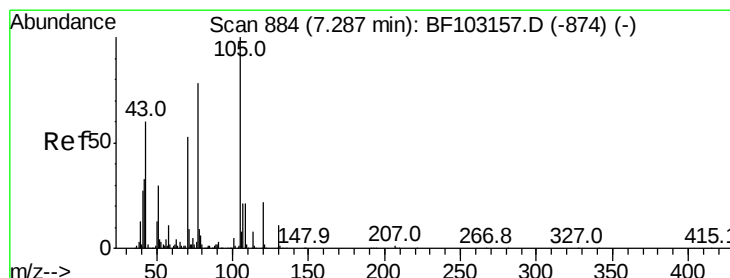
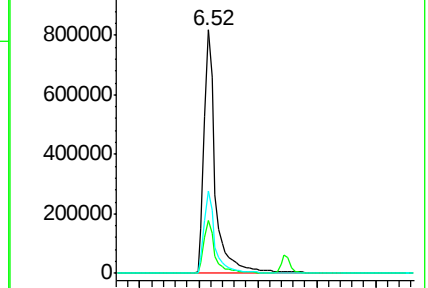
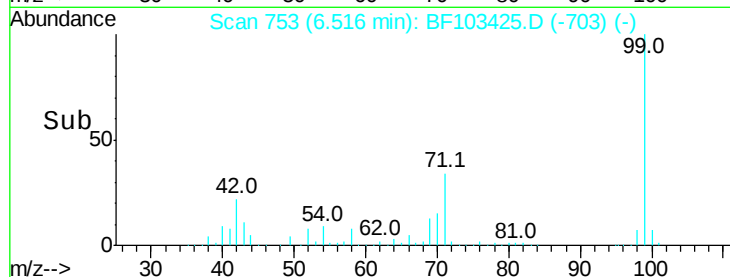
71 33.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.945 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.16 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

Tgt Ion: 70 Resp: 78958

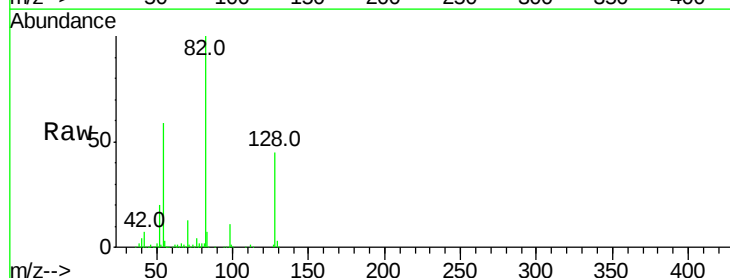
Ion Ratio Lower Upper

70 100

42 52.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

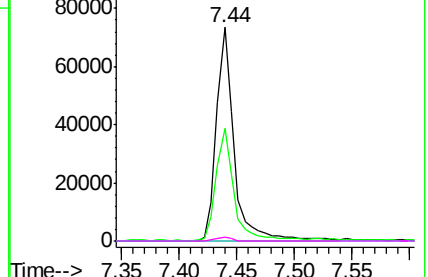
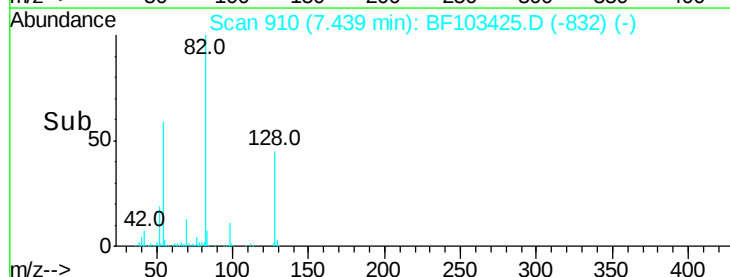


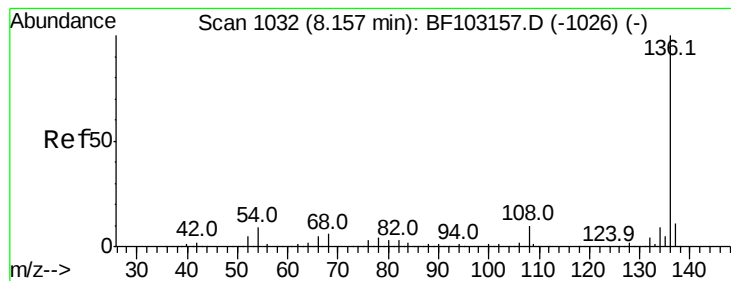
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 488828

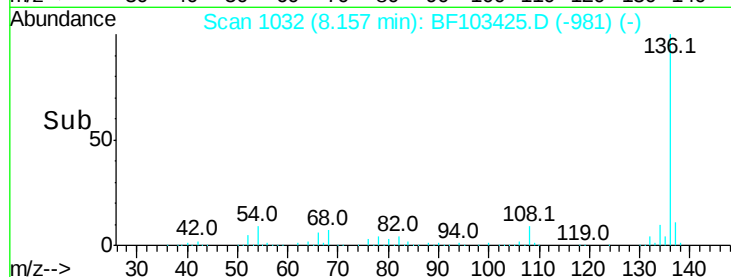
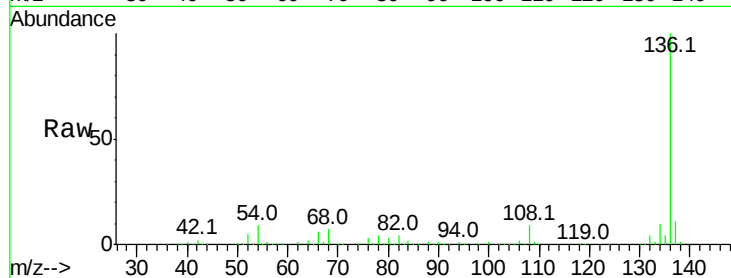
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.4 6.6 9.8

68 6.8 5.0 7.4

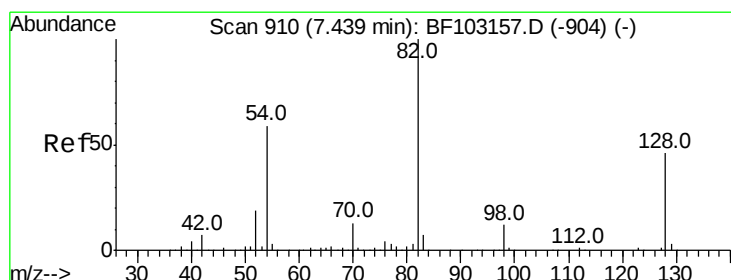
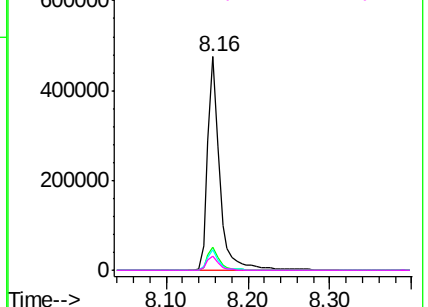


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 69.943 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

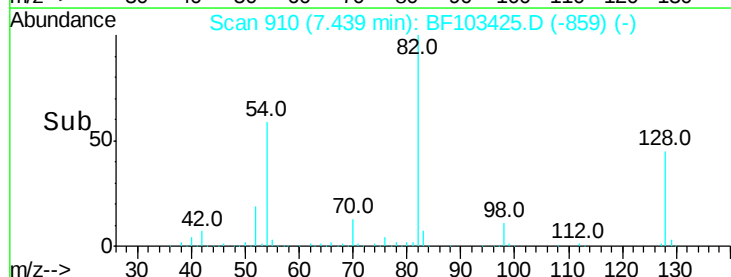
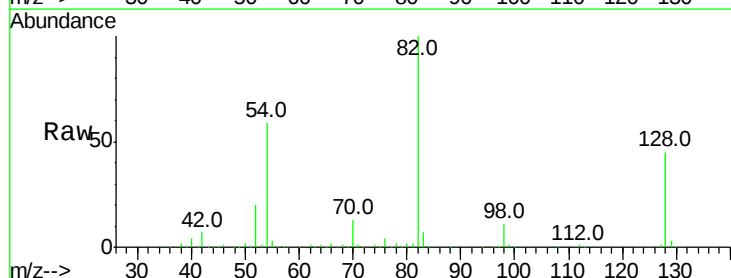
Tgt Ion: 82 Resp: 598688

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

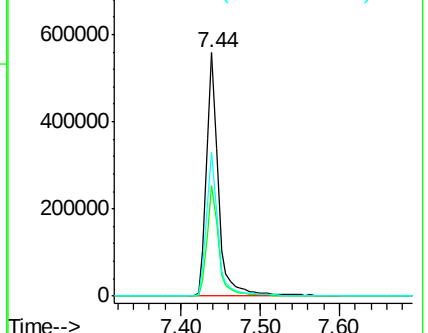
54 58.8 41.4 62.2

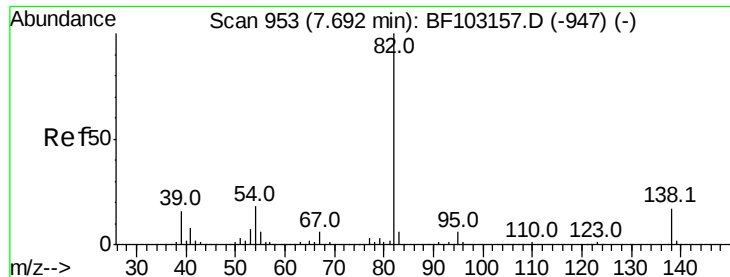


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.513 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

Instrument :

BNA_F

ClientSampleId :

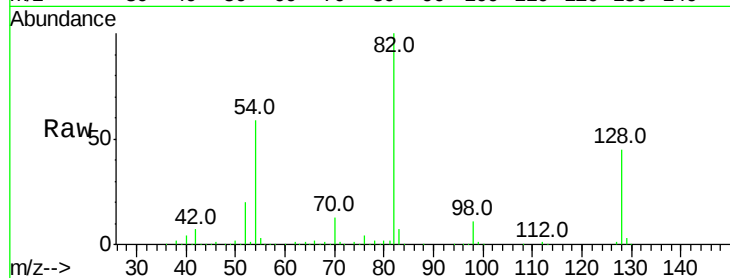
Tot Ion: 82 Resp: 598688

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

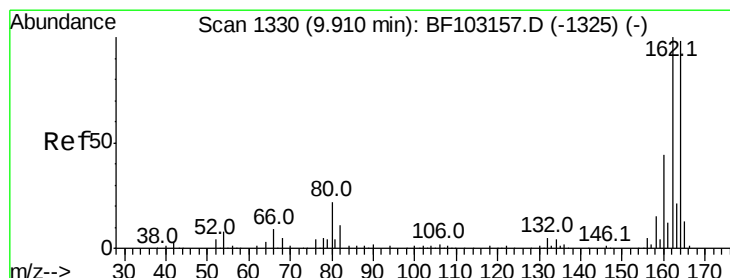
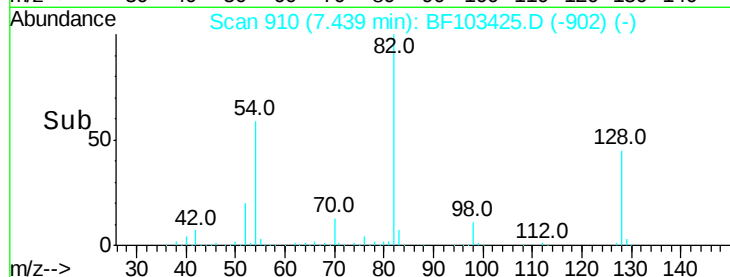
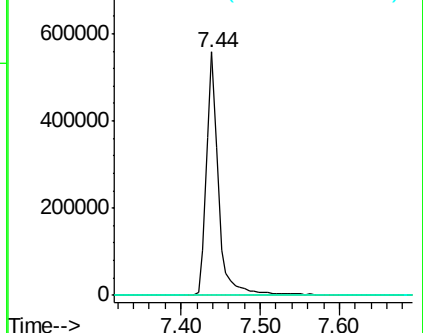
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

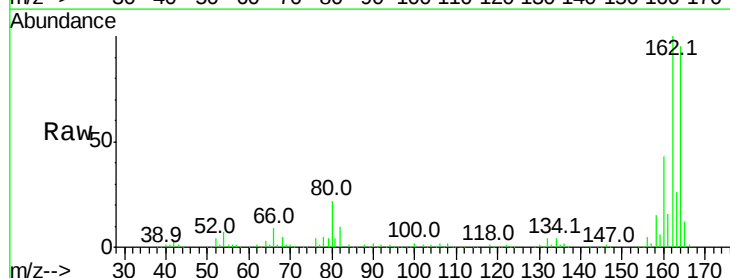
Tgt Ion:164 Resp: 195617

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

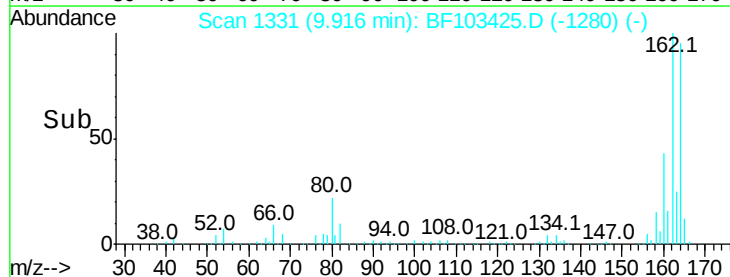
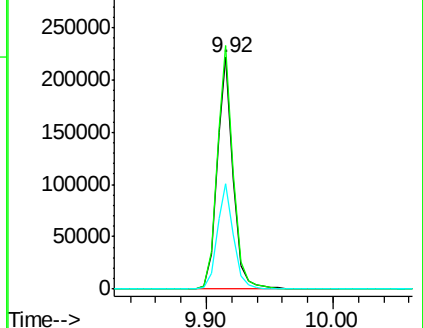
160 45.2 38.3 57.5

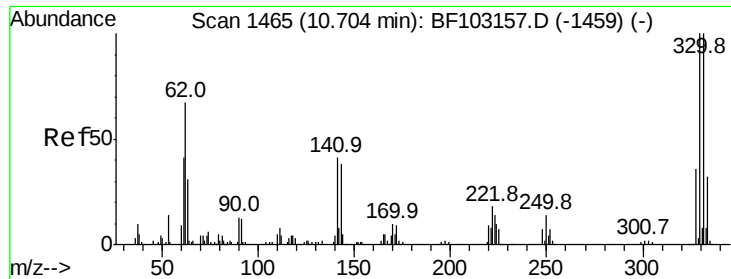


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

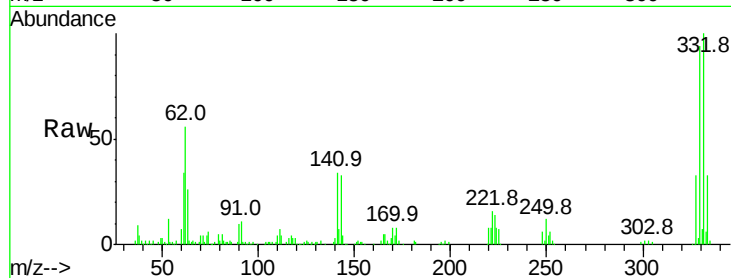




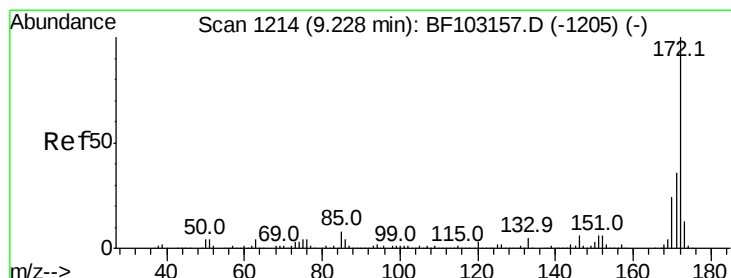
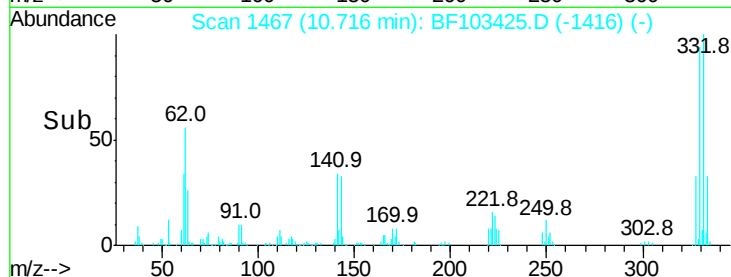
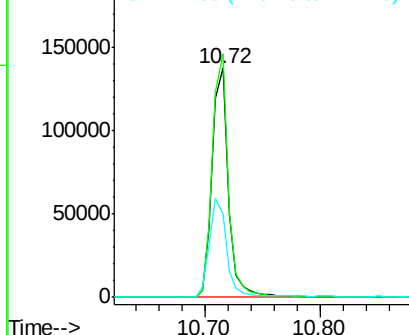
#41
 2,4,6-Tribromophenol
 Concen: 82.370 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF103425.D
 Acq: 5 Mar 2018 22:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 136387
 Ion Ratio Lower Upper
 330 100
 332 104.0 77.0 115.6
 141 45.0 29.9 44.9#

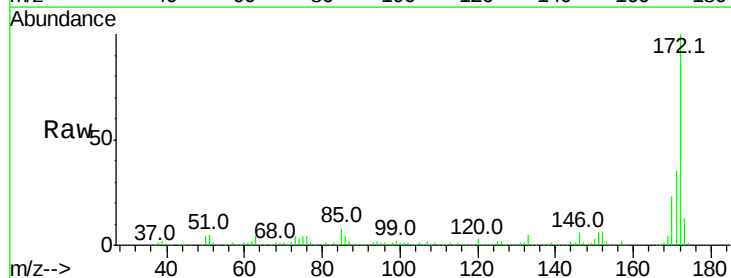


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

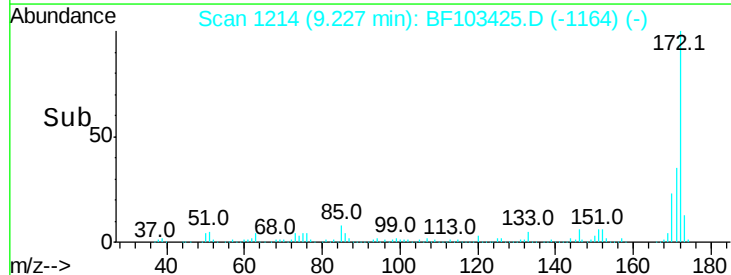
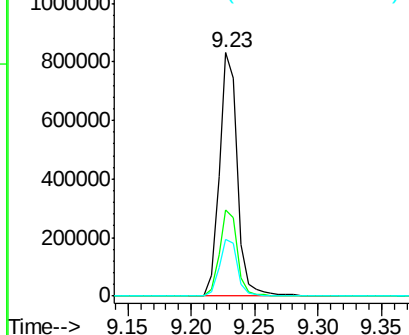


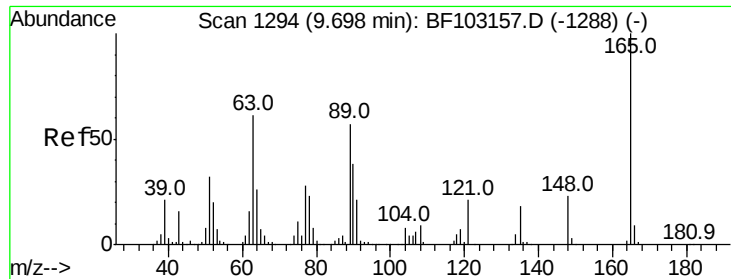
#44
 2-Fluorobiphenyl
 Concen: 69.915 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103425.D
 Acq: 5 Mar 2018 22:42

Tgt Ion:172 Resp: 828592
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.5 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

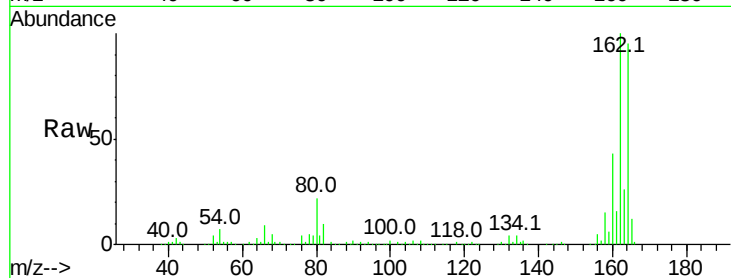




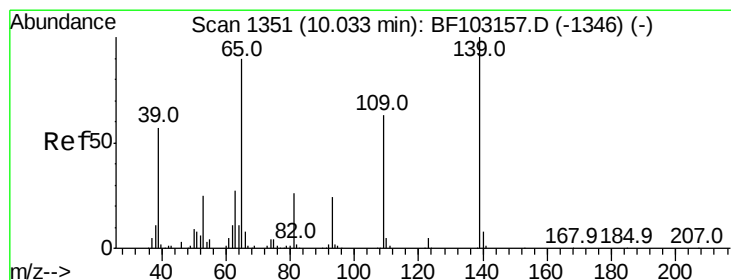
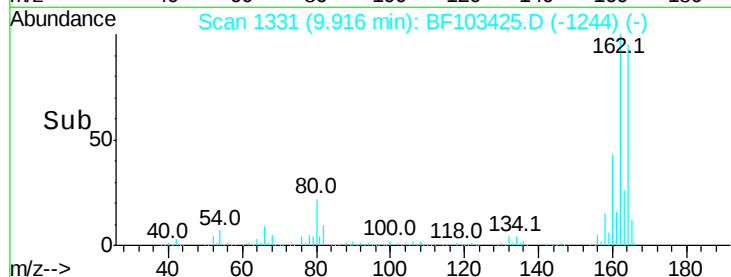
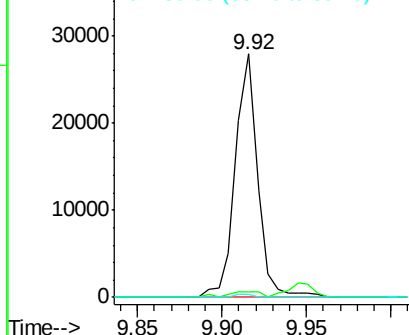
#50
2,6-Dinitrotoluene
Concen: 7.814 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 25734
Ion Ratio Lower Upper
165 100
63 2.2 44.7 67.1#
89 1.4 44.0 66.0#

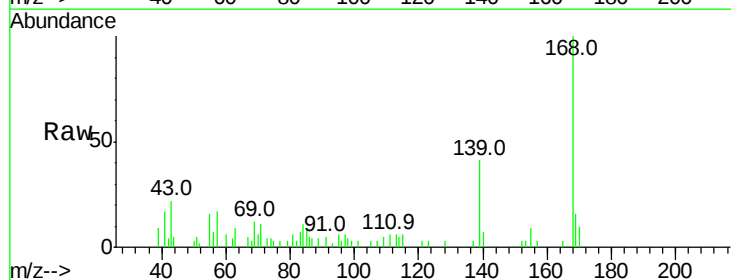


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

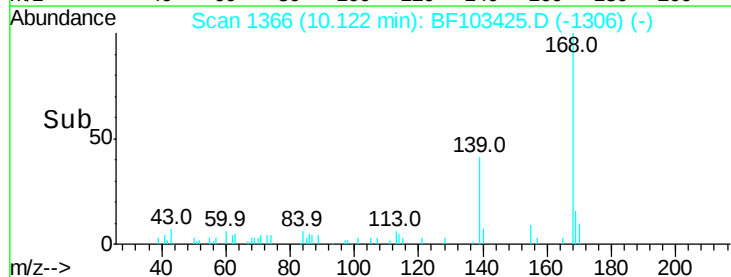
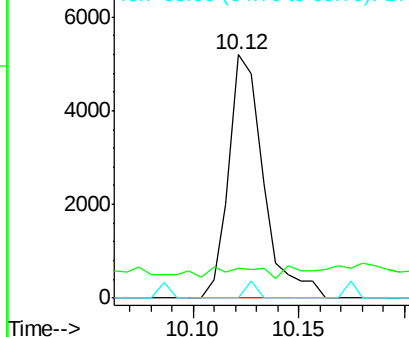


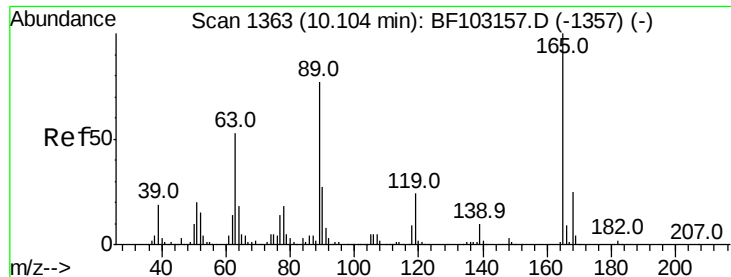
#55
4-Nitrophenol
Concen: 2.293 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.05 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

Tgt Ion:139 Resp: 5937
Ion Ratio Lower Upper
139 100
109 12.1 48.4 88.4#
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

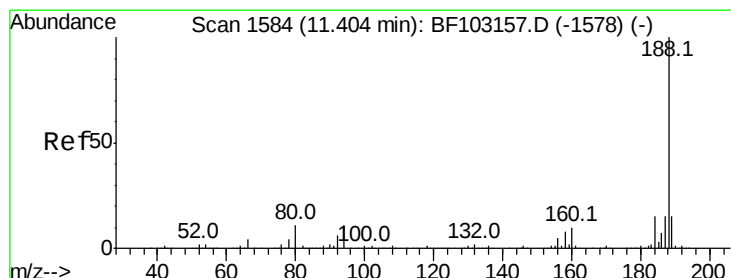
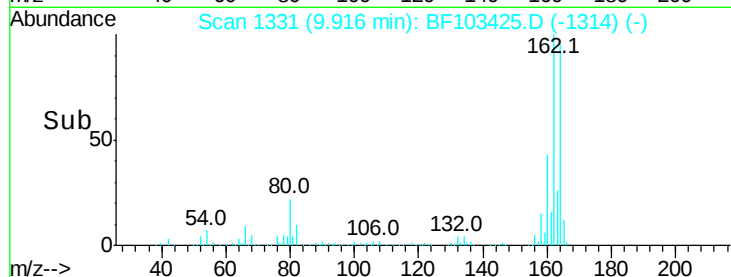
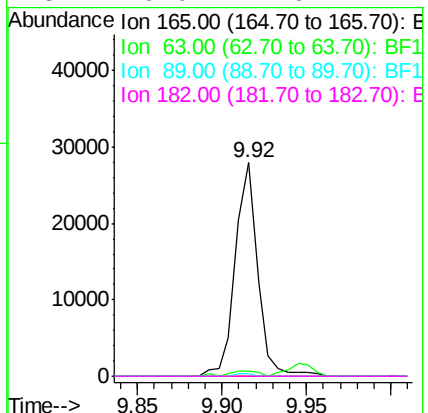
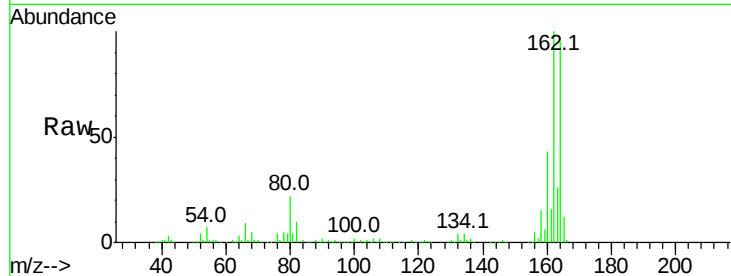




#56
2,4-Dinitrotoluene
Concen: 6.179 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.20 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

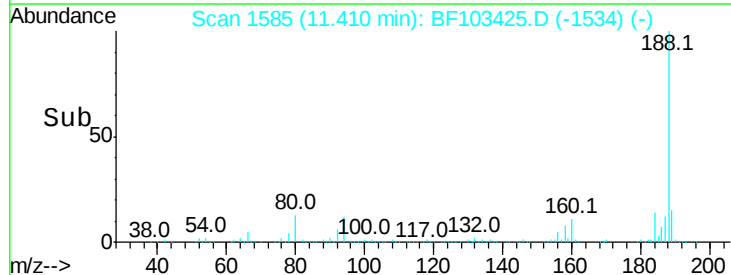
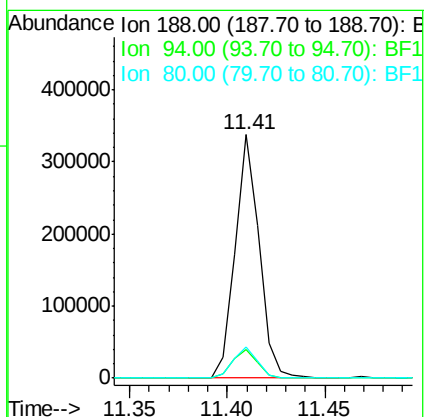
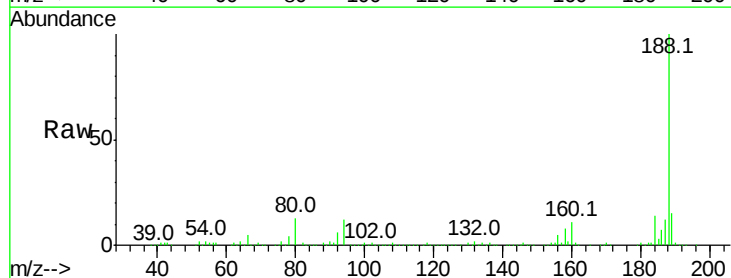
Instrument :
BNA_F
ClientSampleId :

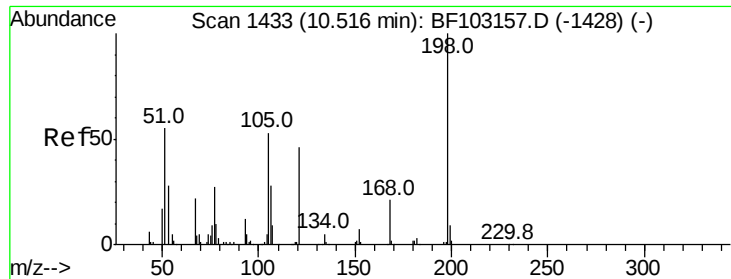
Tot Ion:165 Resp: 25734
Ion Ratio Lower Upper
165 100
63 2.2 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

Tgt Ion:188 Resp: 288262
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 13.0 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.007 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

Instrument :

BNA_F

ClientSampled :

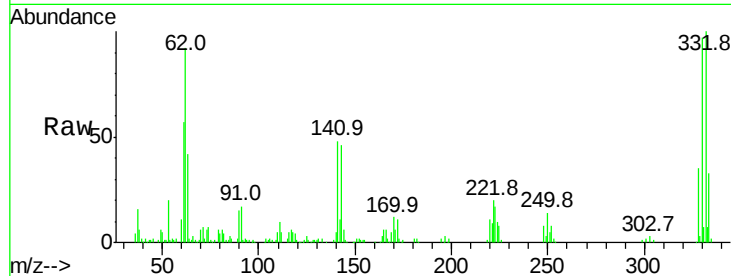
Tot Ion:198 Resp: 121

Ion Ratio Lower Upper

198 100

51 285.5 37.7 77.7#

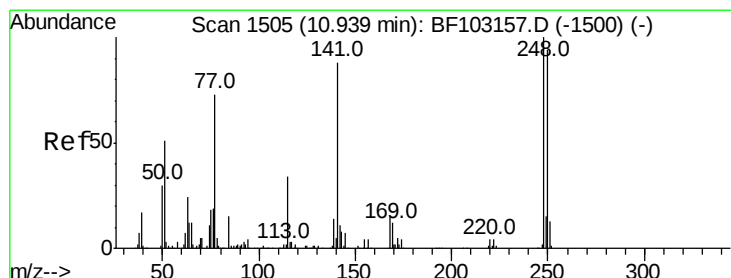
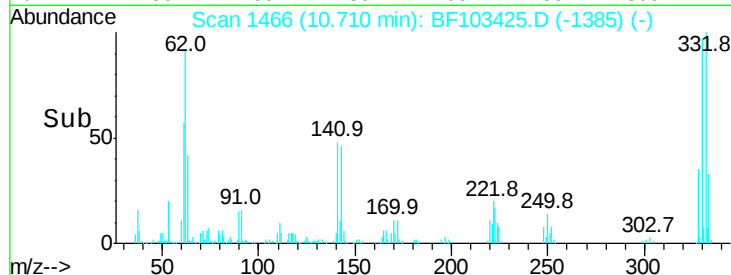
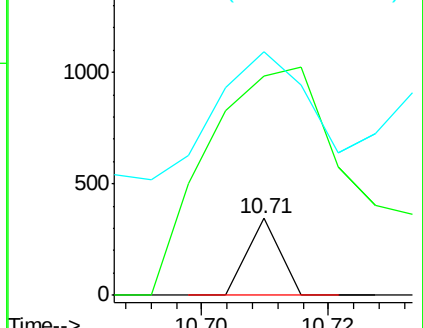
105 317.4 36.3 76.3#



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: 3.235 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

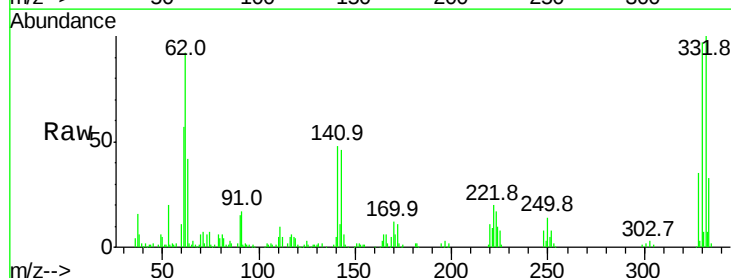
Tgt Ion:248 Resp: 9714

Ion Ratio Lower Upper

248 100

250 187.0 76.9 115.3#

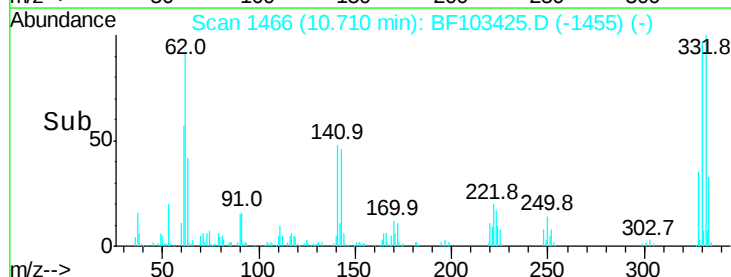
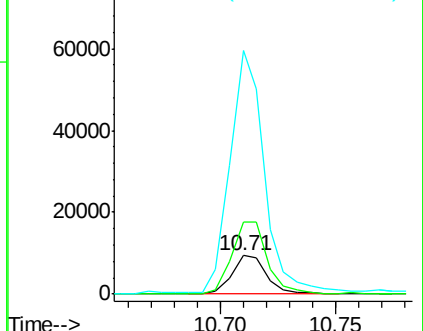
141 635.0 74.4 111.6#

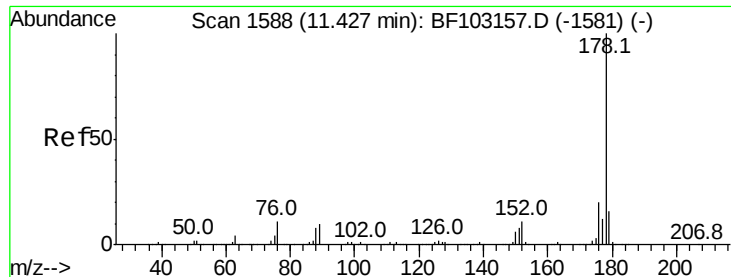


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

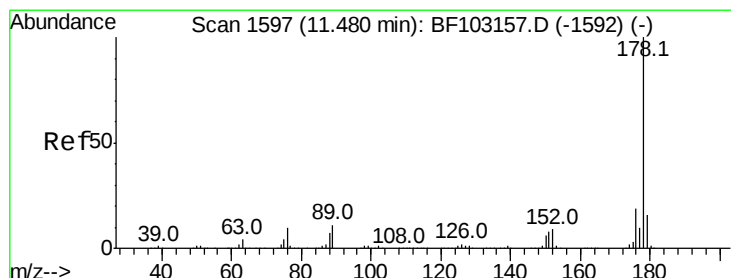
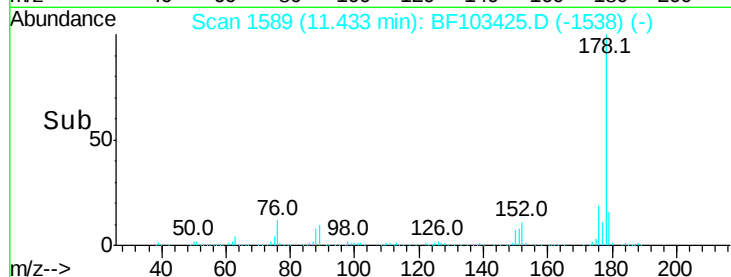
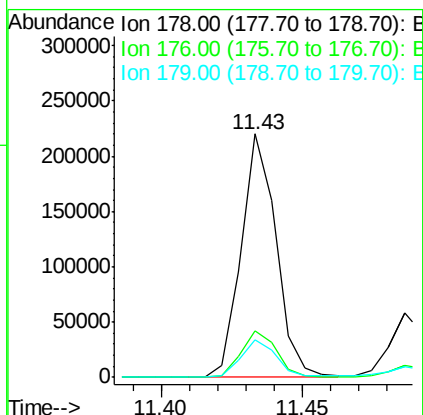
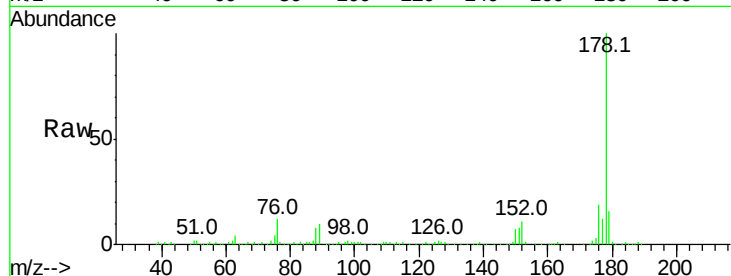




#70
Phenanthrene
Concen: 11.948 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

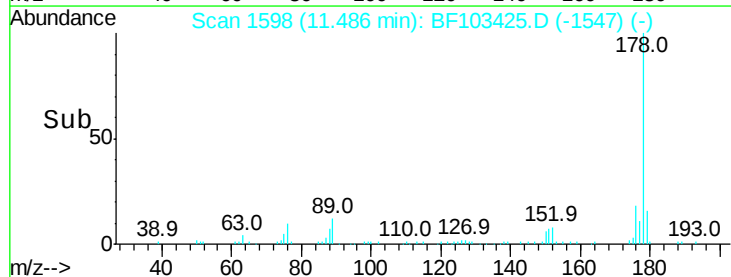
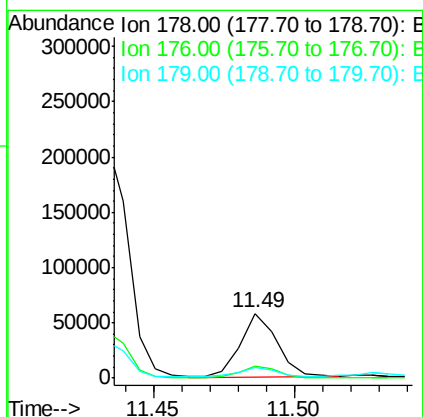
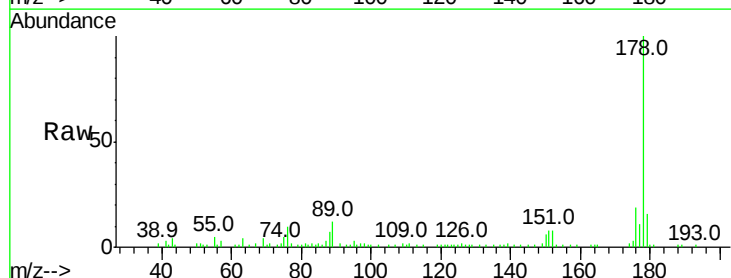
Instrument :
BNA_F
ClientSampleId :

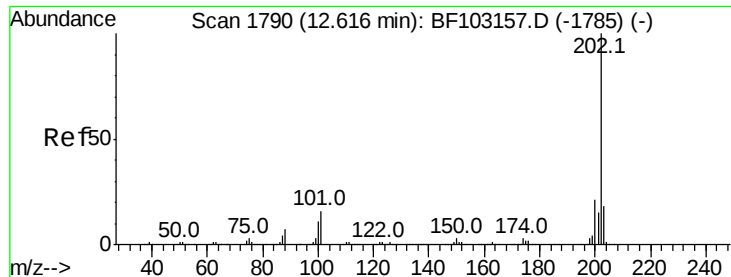
Tot Ion:178 Resp: 189535
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.6 13.0 19.6



#71
Anthracene
Concen: 3.206 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

Tgt Ion:178 Resp: 52155
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 16.1 12.6 19.0





#74

Fluoranthene

Concen: 20.582 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

Instrument :

BNA_F

ClientSampleId :

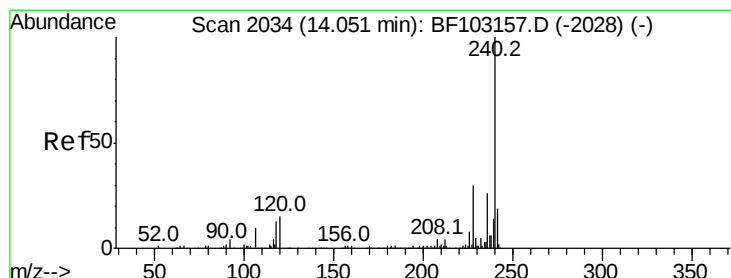
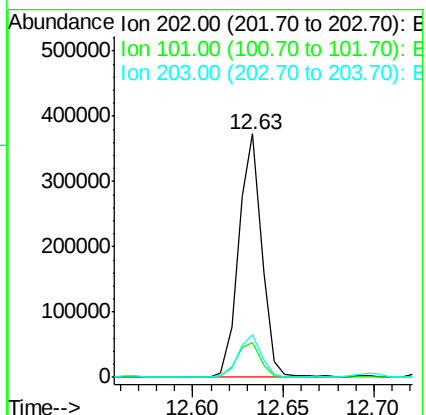
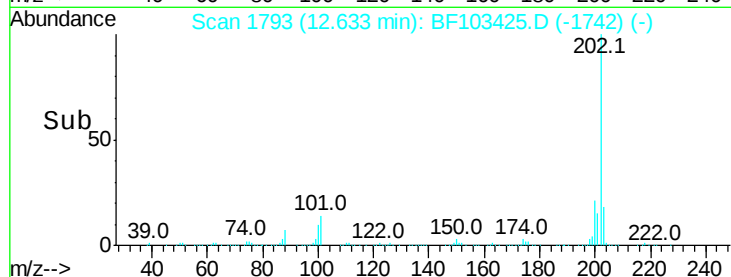
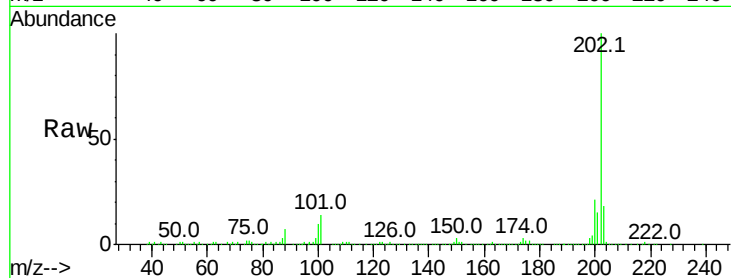
Tot Ion:202 Resp: 328111

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

203 17.7 0.0 38.1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

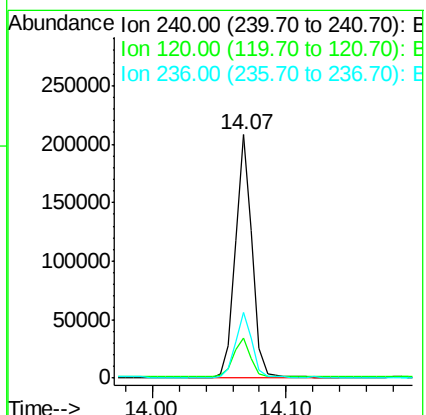
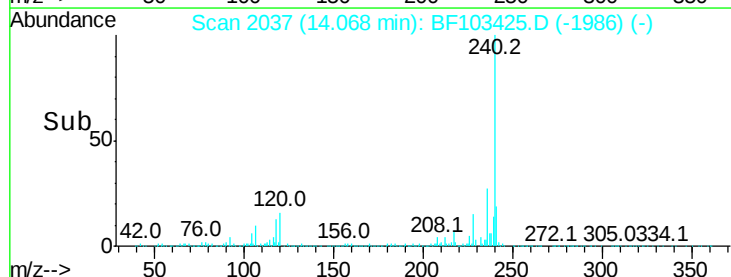
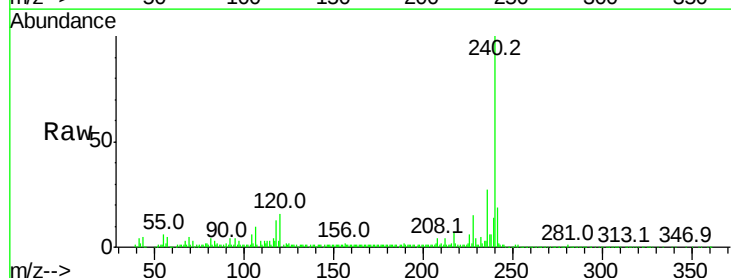
Tgt Ion:240 Resp: 182279

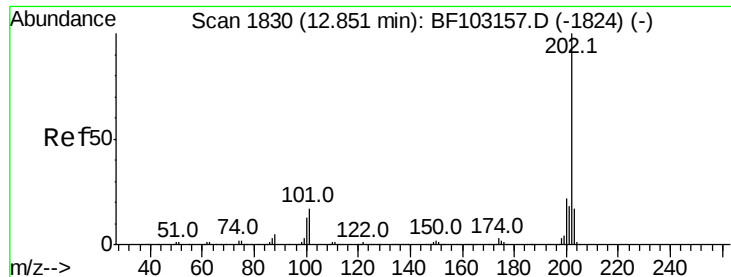
Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

236 27.0 20.7 31.1





#77

Pvrene

Concen: 21.849 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.00 min

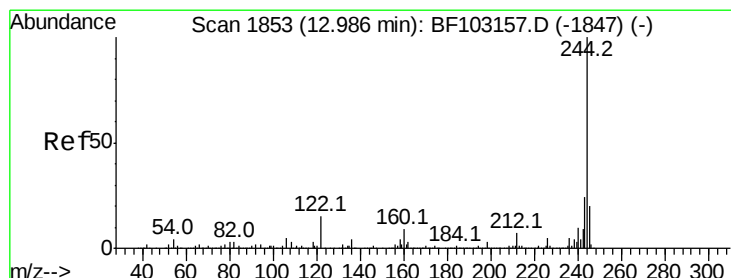
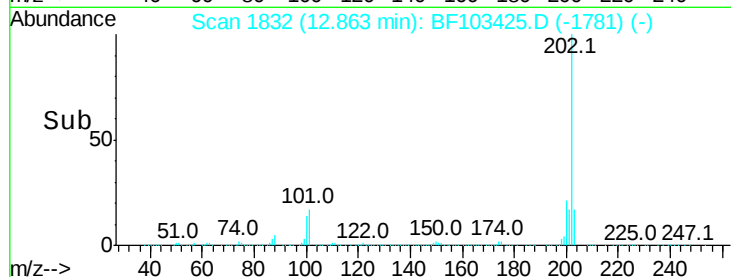
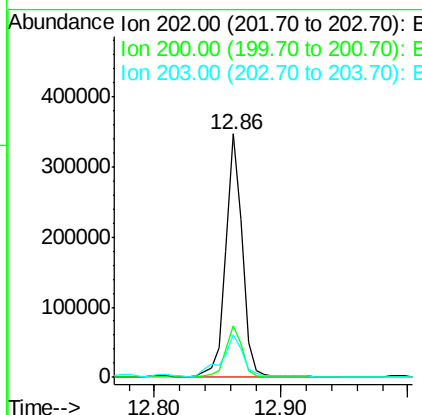
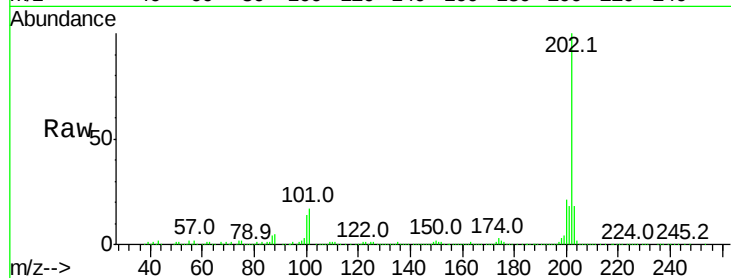
Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 310513

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.7	14.3	21.5



#78

Terphenyl-d14

Concen: 75.359 ng

RT: 13.00 min Scan# 1855

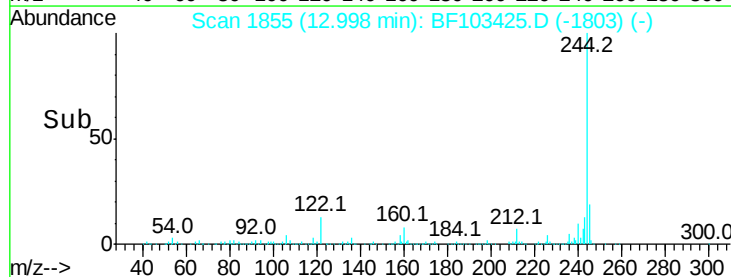
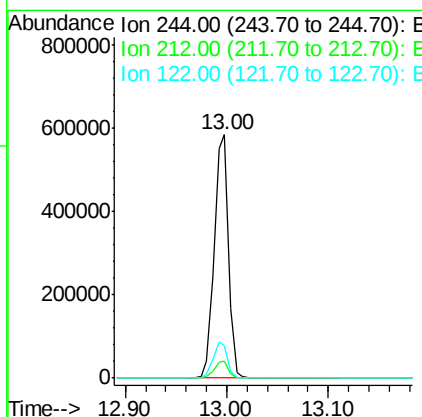
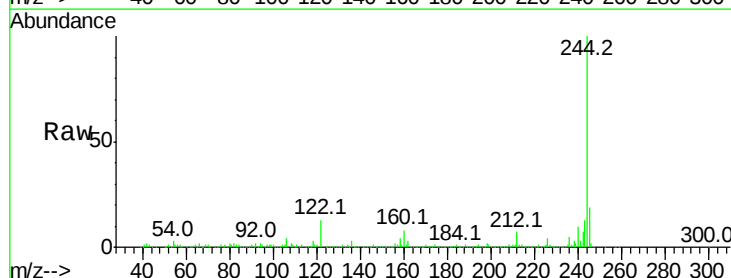
Delta R.T. 0.01 min

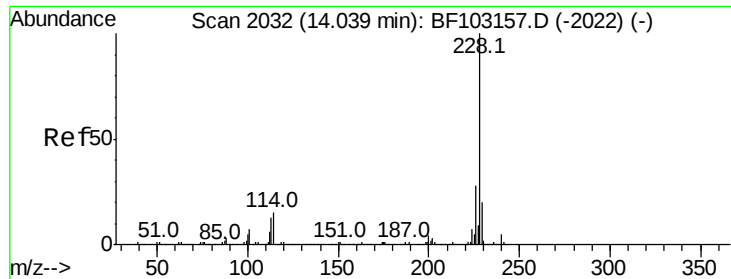
Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

Tgt Ion:244 Resp: 571430

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.4	11.0	16.4

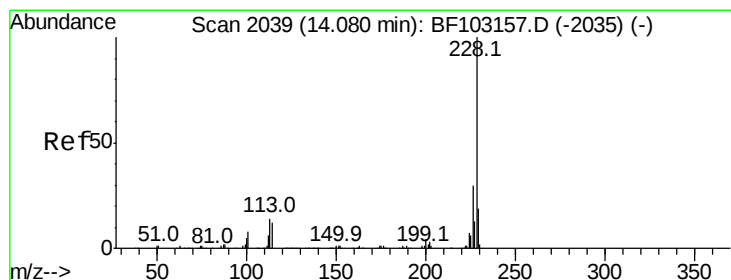
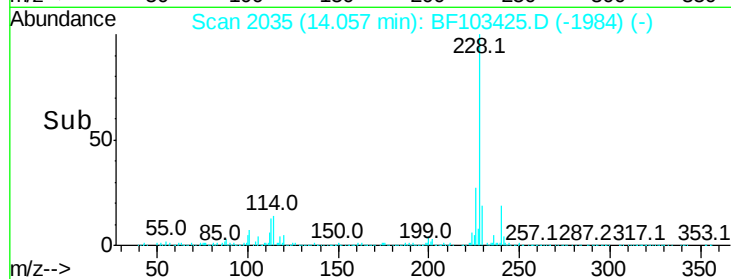
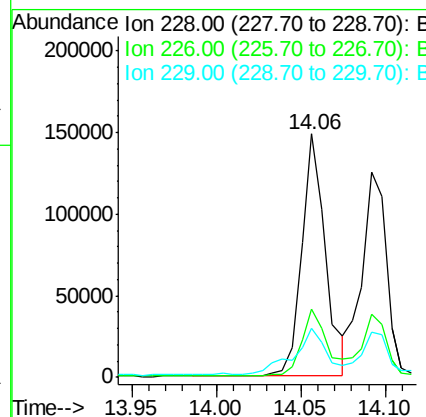
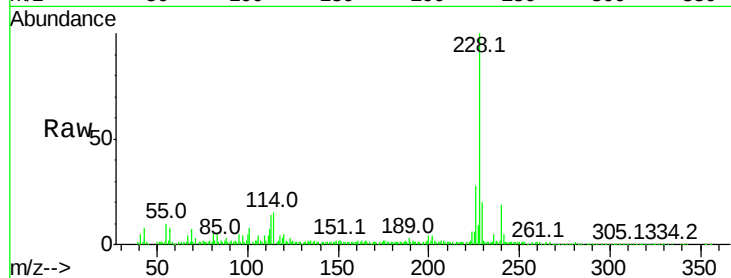




#80
Benzo(a)anthracene
Concen: 12.355 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

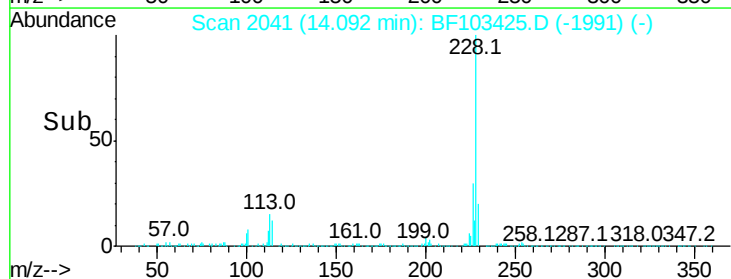
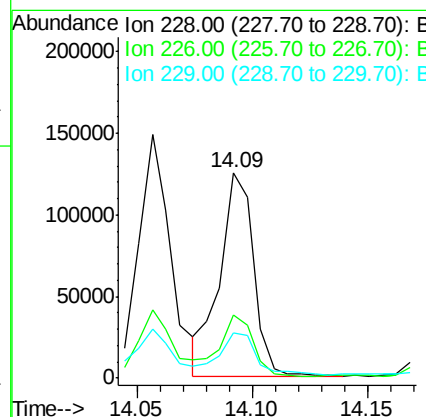
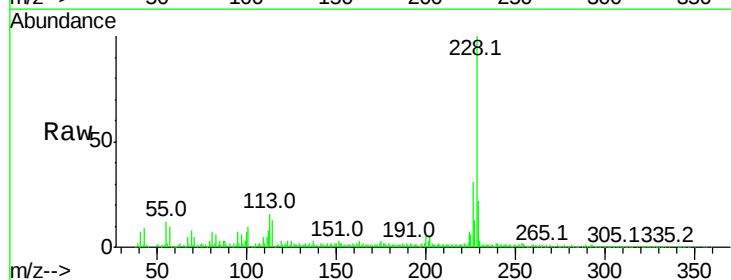
Instrument :
BNA_F
ClientSampleId :

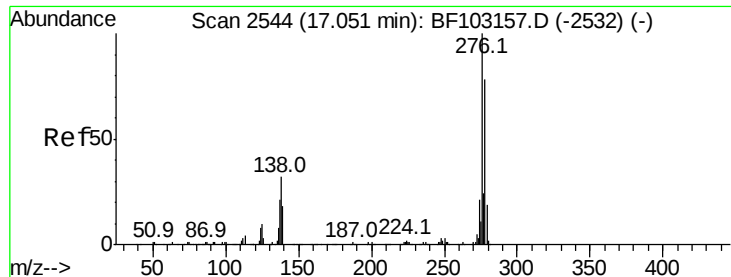
Tot Ion:228 Resp: 146118
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 20.0 15.8 23.6



#82
Chrysene
Concen: 11.140 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

Tgt Ion:228 Resp: 127925
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 22.2 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.433 ng

RT: 17.13 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

Instrument :

BNA_F

ClientSampleId :

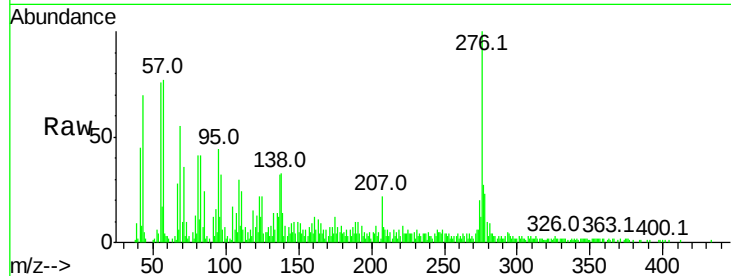
Tot Ion:276 Resp: 49393

Ion Ratio Lower Upper

276 100

138 29.3 25.0 37.6

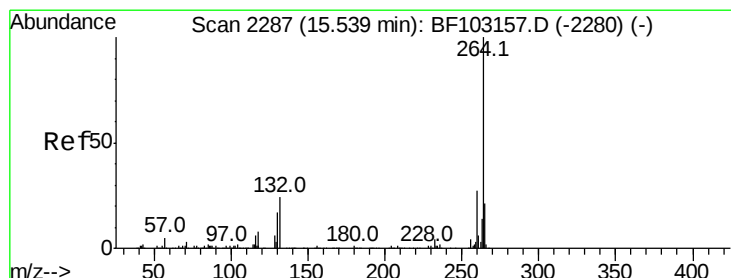
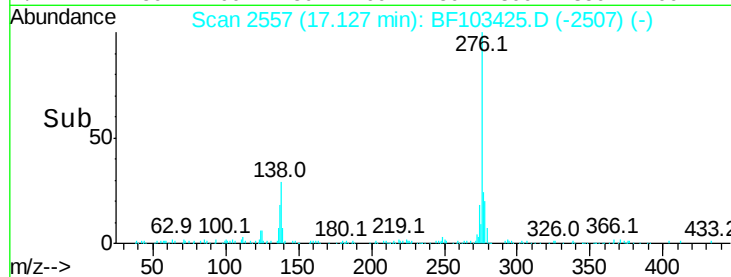
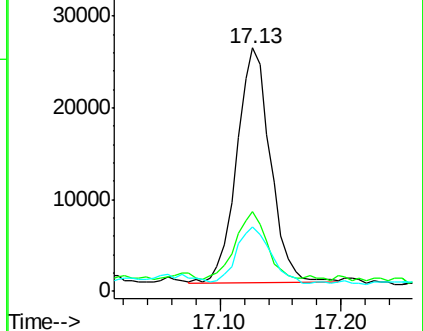
277 24.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

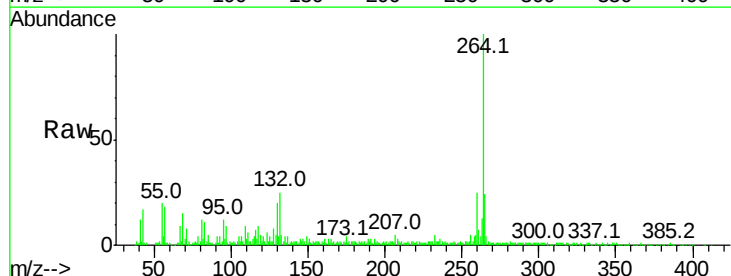
Tgt Ion:264 Resp: 131486

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

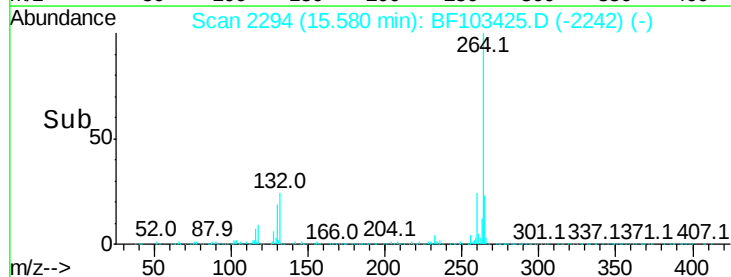
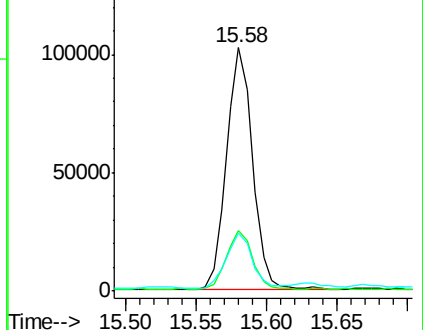
265 23.9 17.5 26.3

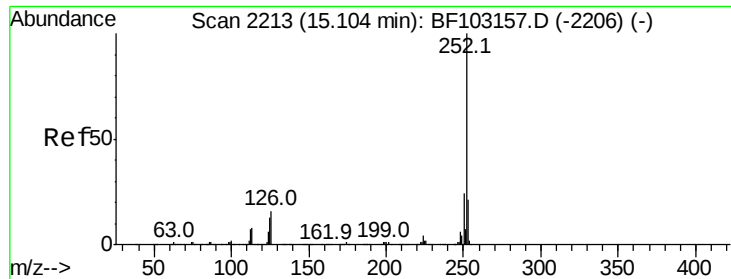


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

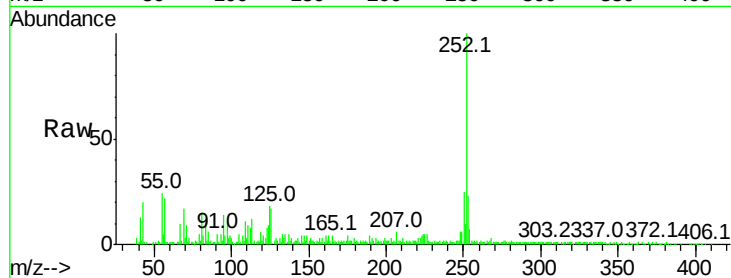




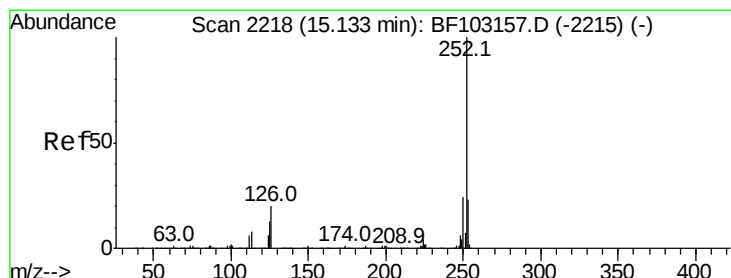
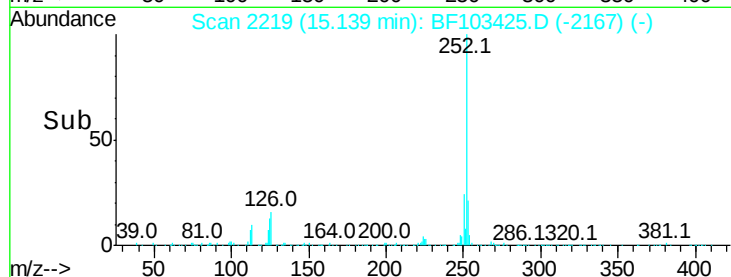
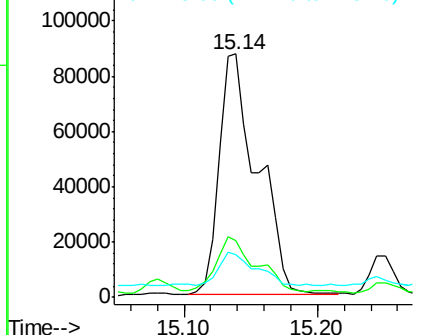
#87
Benzo(b)fluoranthene
Concen: 20.286 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 175373
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 17.7 9.0 13.6#

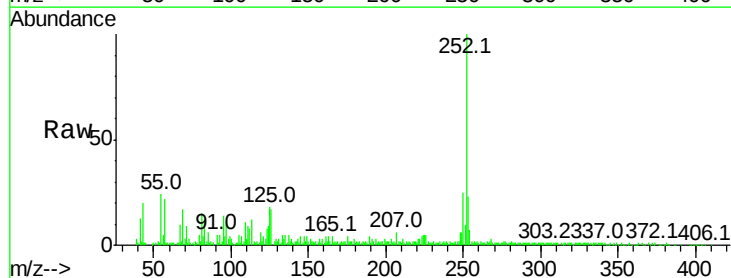


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

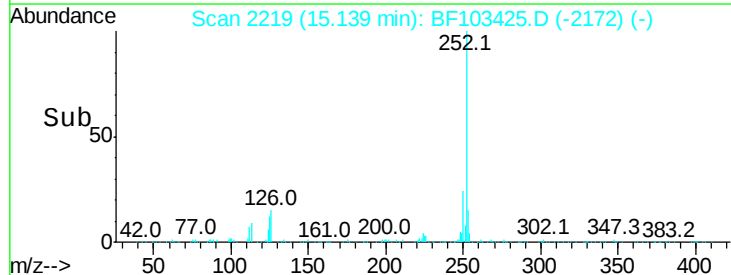
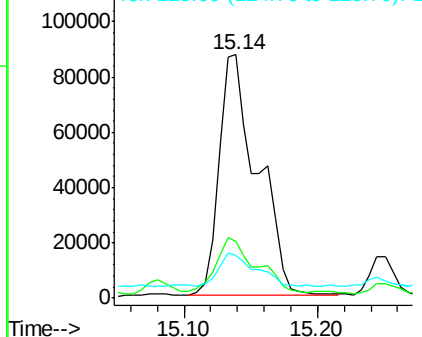


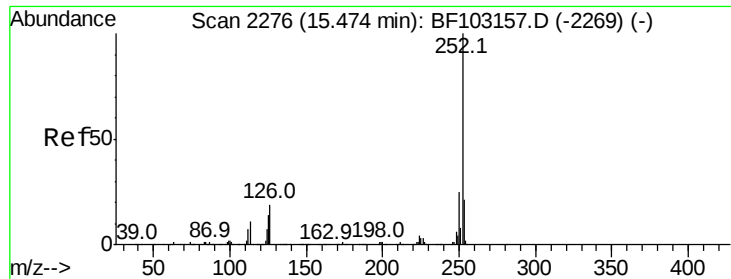
#88
Benzo(k)fluoranthene
Concen: 21.543 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF103425.D
Acq: 5 Mar 2018 22:42

Tgt Ion:252 Resp: 175373
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 17.7 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: 11.509 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

Instrument :

BNA_F

ClientSampleId :

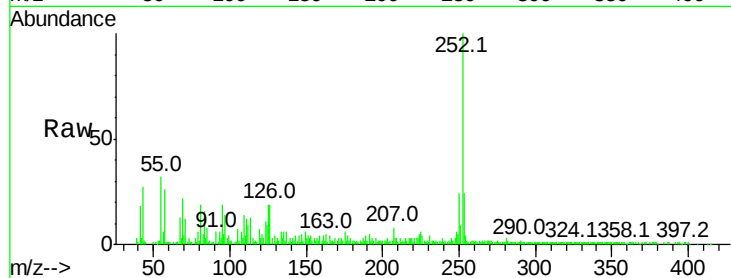
Tot Ion:252 Resp: 88848

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

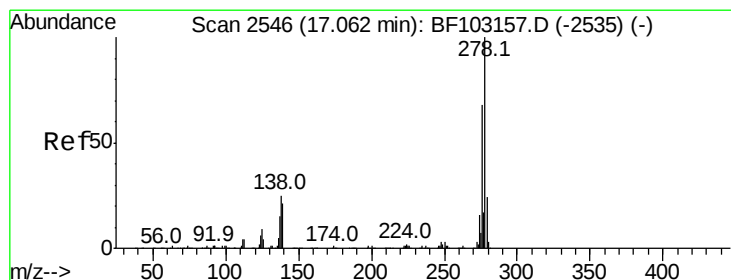
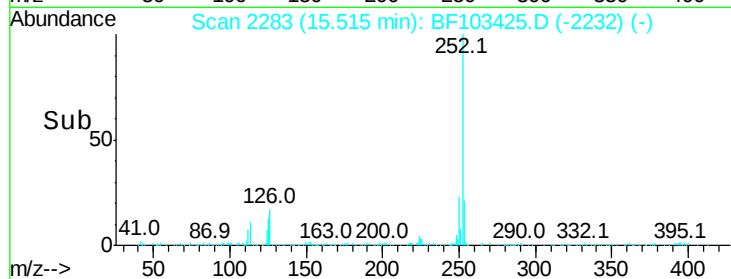
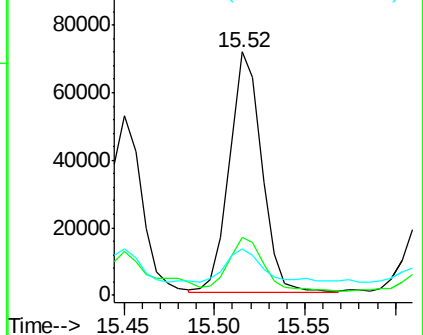
125 18.9 9.8 14.6#



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: 2.237 ng

RT: 17.13 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BF103425.D

Acq: 5 Mar 2018 22:42

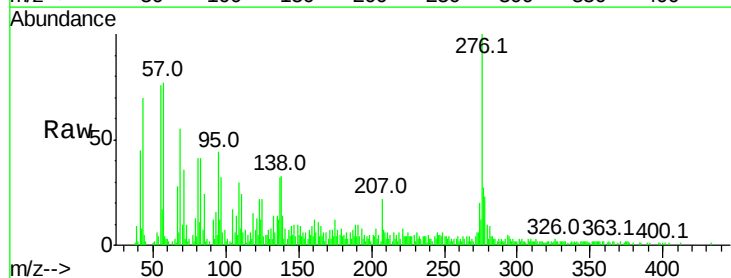
Tgt Ion:278 Resp: 13344

Ion Ratio Lower Upper

278 100

139 63.5 15.9 23.9#

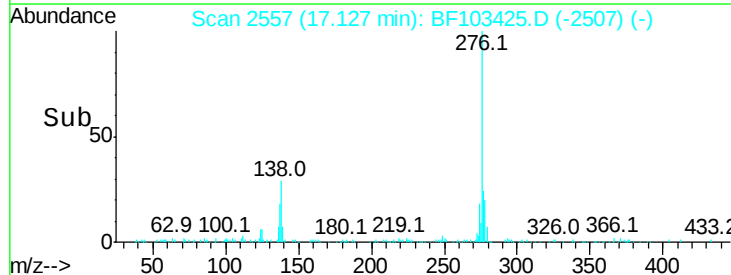
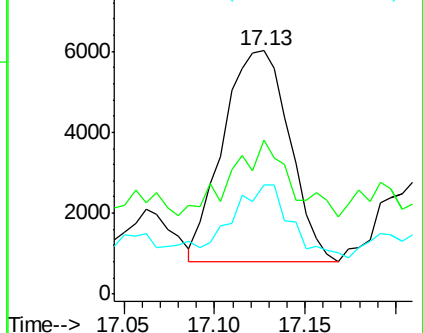
279 44.8 19.0 28.4#

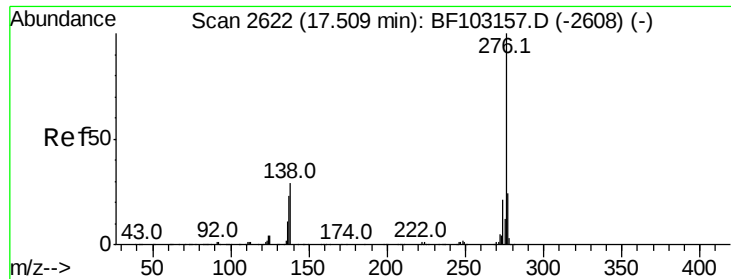


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 8.349 ng
 RT: 17.60 min Scan# 2638
 Delta R.T. 0.01 min
 Lab File: BF103425.D
 Acq: 5 Mar 2018 22:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.2	17.9	26.9#
138	33.9	21.8	32.8#

