

Data Path : Z:\HPCHEM1\BNA F\Data\BF112015\
 Data File : BF083077.D
 Acq On : 20 Nov 2015 12:57
 Operator : UM/IZ
 Sample : G4452-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 22:28:37 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	154810	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	581047	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	255370	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	437131	20.00	ng	0.01
75) Chrysene-d12	13.87	240	356642	20.00	ng	0.01
86) Perylene-d12	15.27	264	351788	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	547930	54.97	ng	0.01
7) Phenol-d6	6.35	99	874625	66.63	ng	0.00
23) Nitrobenzene-d5	7.26	82	570577	44.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	196043	72.30	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	867285	45.74	ng	-0.01
78) Terphenyl-d14	12.82	244	1059495	70.13	ng	0.01

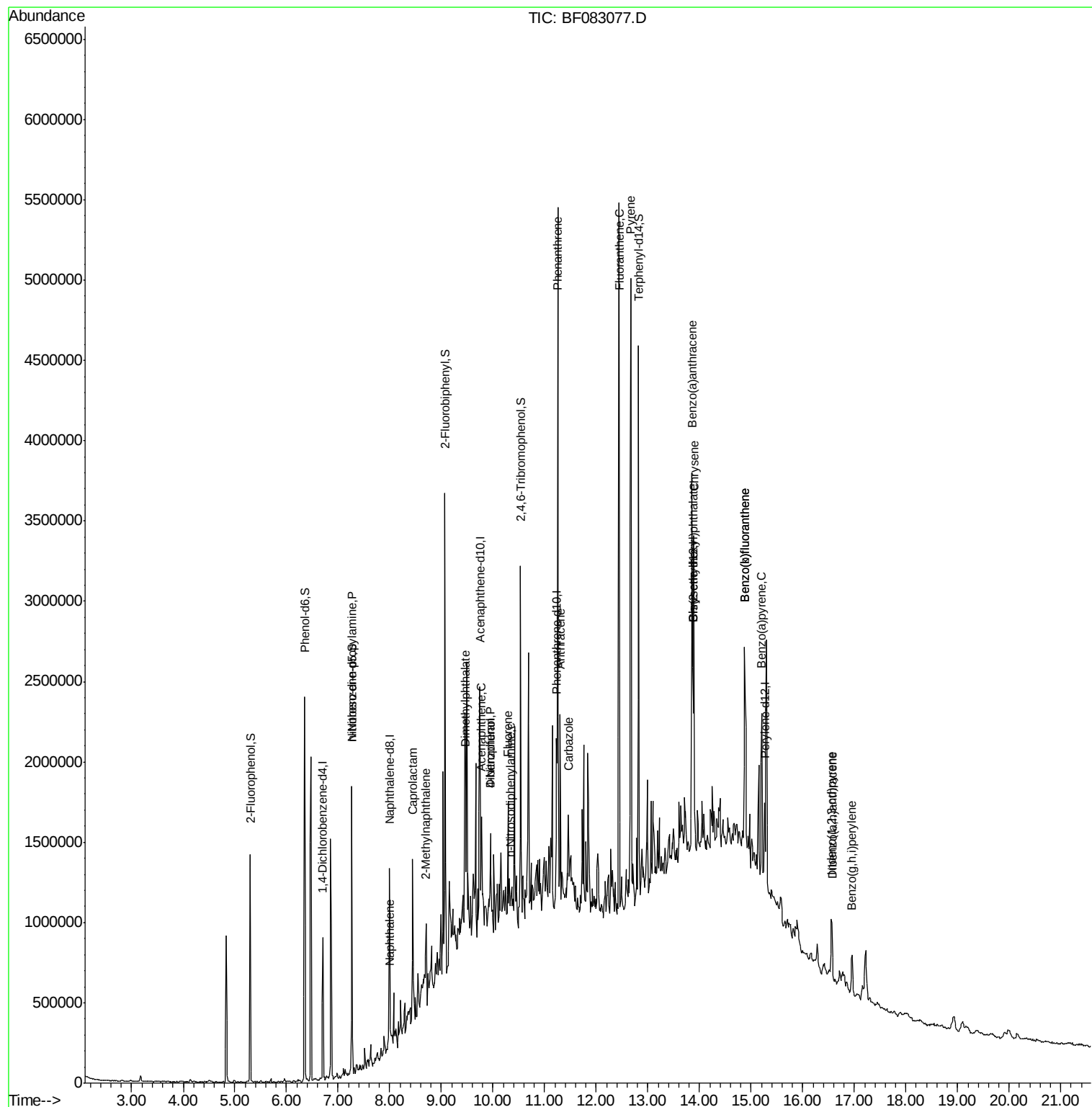
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	83192	8.67	ng	# 75
31) Naphthalene	8.01	128	102806	3.40	ng	97
35) Caprolactam	8.44	113	24898	8.73	ng	# 18
37) 2-Methylnaphthalene	8.70	142	75143	3.73	ng	99
49) Dimethylphthalate	9.47	163	238869	11.37	ng	# 97
51) Acenaphthene	9.78	154	148819	8.37	ng	100
54) Dibenzofuran	9.95	168	167656	7.04	ng	97
55) 4-Nitrophenol	9.95	139	68083	19.19	ng	# 24
57) Fluorene	10.29	166	188181	9.81	ng	99
65) n-Nitrosodiphenylamine	10.34	169	34337	2.24	ng	94
70) Phenanthrene	11.25	178	1791493	67.93	ng	96
71) Anthracene	11.30	178	506911	19.08	ng	98
72) Carbazole	11.46	167	202030	8.70	ng	97
74) Fluoranthene	12.44	202	1750764	63.70	ng	98
77) Pyrene	12.67	202	1760564	70.12	ng	98
80) Benzo(a)anthracene	13.86	228	925525	40.84	ng	98
82) Chrysene	13.89	228	779206	37.49	ng	97
83) Bis(2-ethylhexyl)phthalate	13.87	149	68783	4.74	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.56	276	250321	14.80	ng	95
87) Benzo(b)fluoranthene	14.88	252	1013401	41.20	ng	# 96
88) Benzo(k)fluoranthene	14.88	252	1013401	54.08	ng	# 94
89) Benzo(a)pyrene	15.21	252	536019	27.15	ng	96
90) Dibenzo(a,h)anthracene	16.57	278	66799	3.89	ng	# 86
91) Benzo(g,h,i)perylene	16.96	276	217712	12.99	ng	98

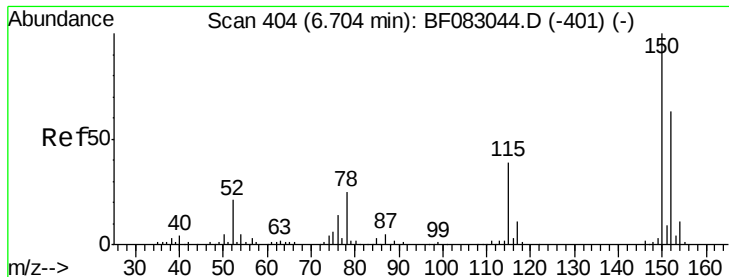
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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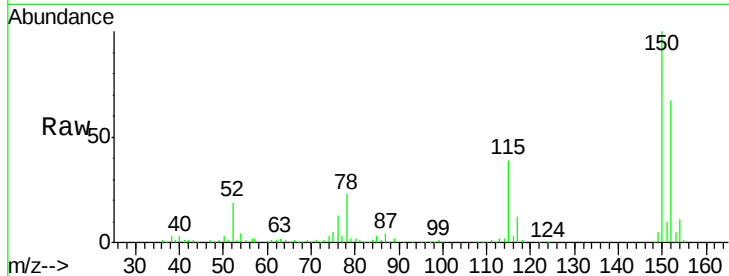


#1

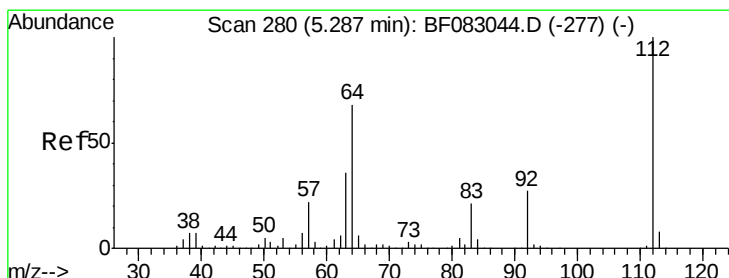
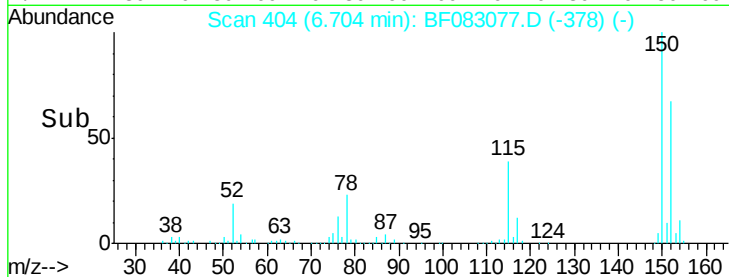
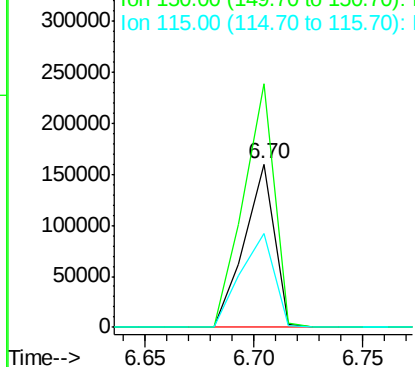
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154810
Ion Ratio Lower Upper
152 100
150 148.8 126.4 189.6
115 57.3 49.0 73.6



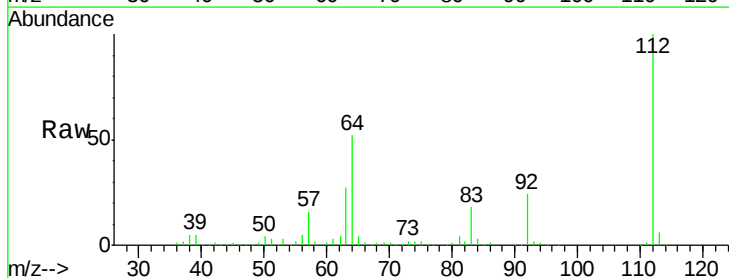
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



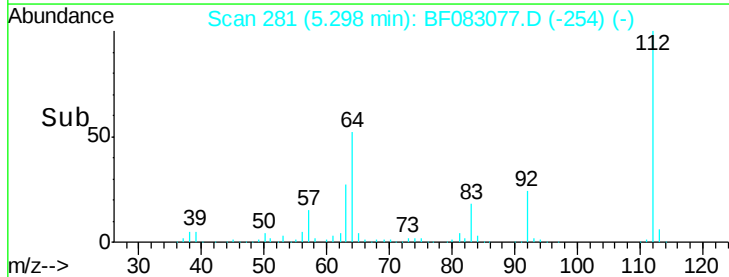
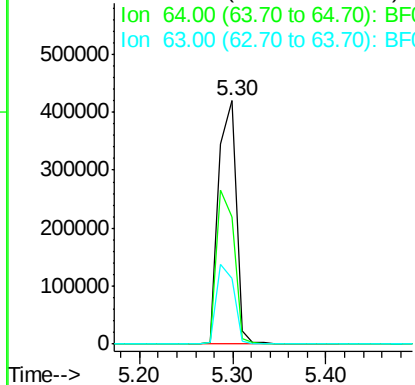
#5

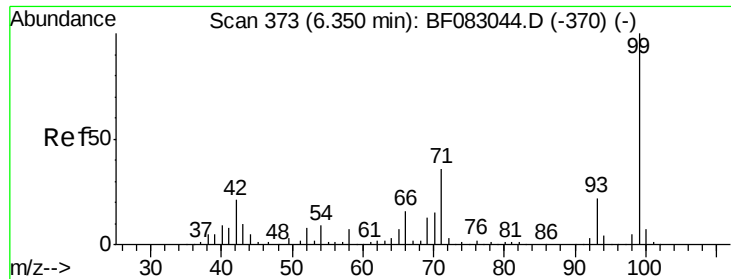
2-Fluorophenol
Concen: 54.97 ng
RT: 5.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

Tgt Ion:112 Resp: 547930
Ion Ratio Lower Upper
112 100
64 52.2 54.8 82.2#
63 26.9 29.0 43.4#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 66.63 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

Instrument :

BNA_F

ClientSampleId :

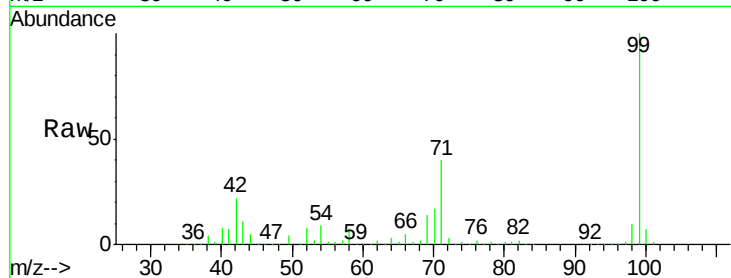
Tot Ion: 99 Resp: 874625

Ion Ratio Lower Upper

99 100

42 21.8 16.6 25.0

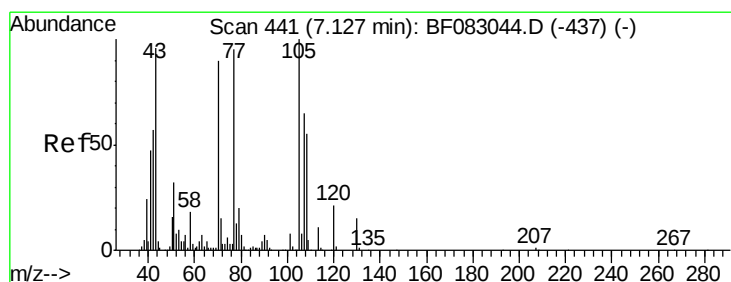
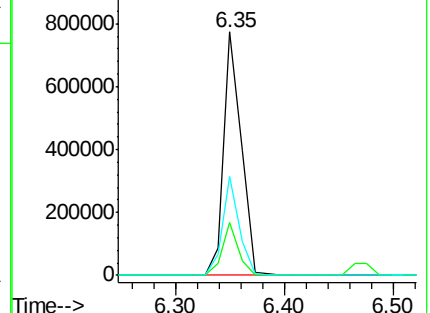
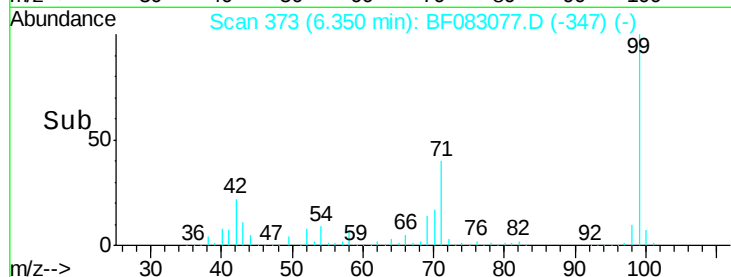
71 40.4 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 8.67 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.14 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

Tgt Ion: 70 Resp: 83192

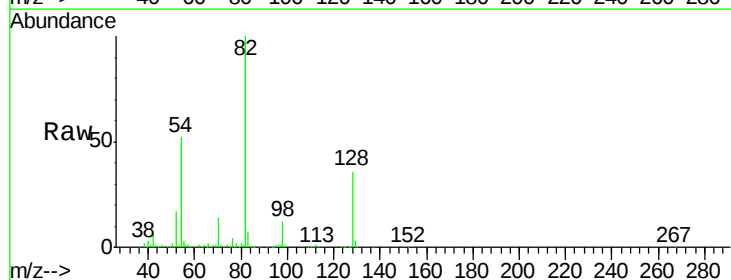
Ion Ratio Lower Upper

70 100

42 44.9 50.2 75.2#

101 0.0 6.8 10.2#

130 1.7 12.9 19.3#

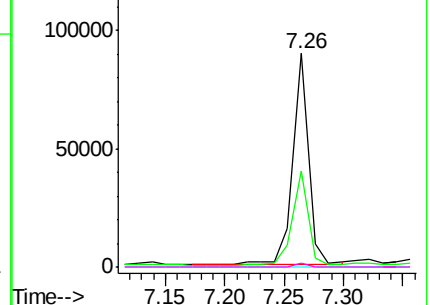
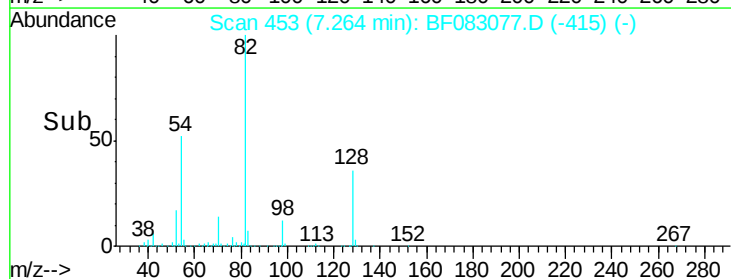


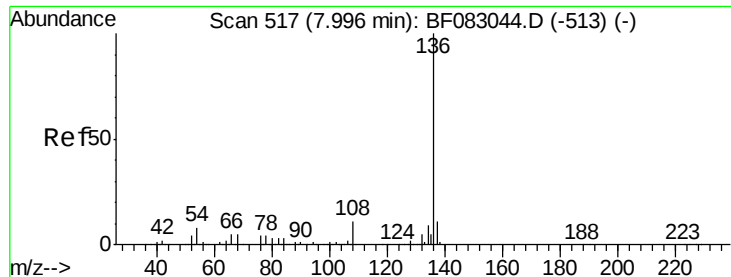
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

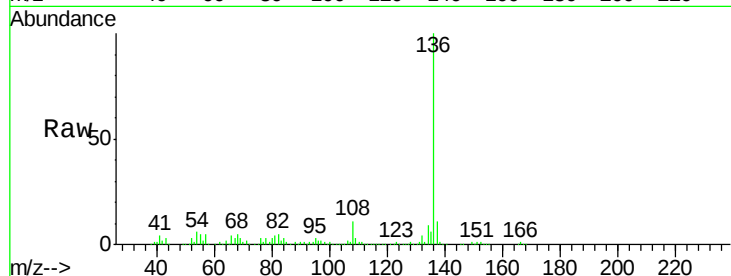




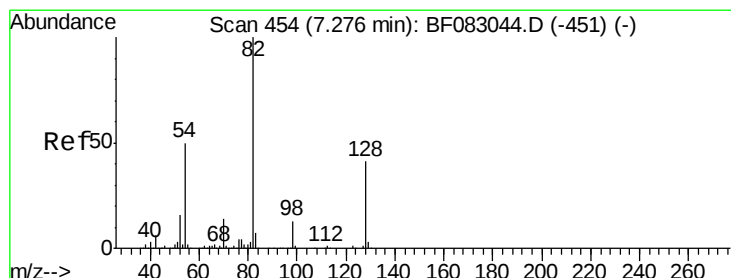
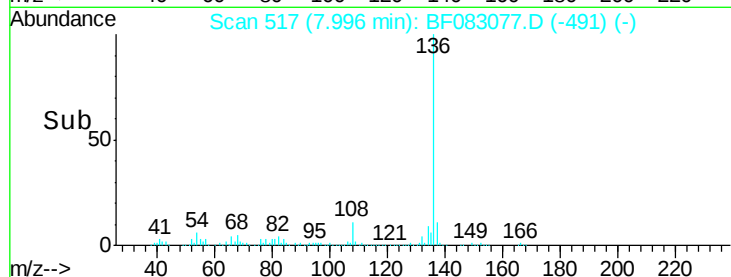
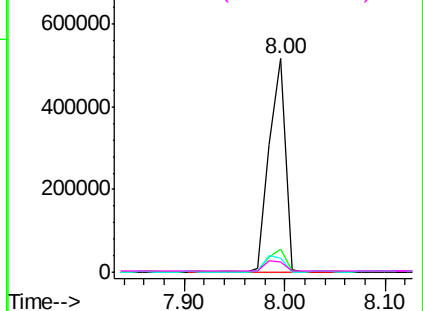
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 581047
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 12.8
54 6.5	6.2 9.2
68 4.8	4.2 6.2

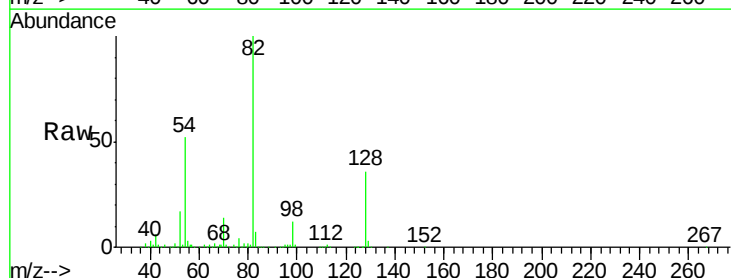


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

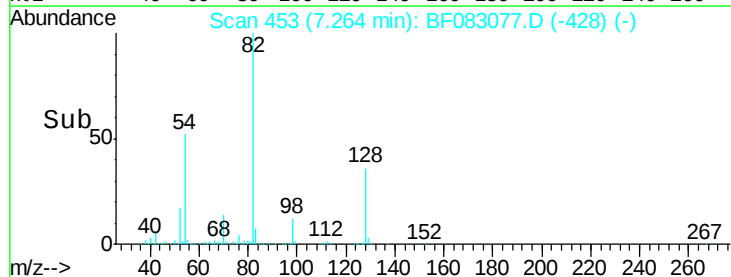
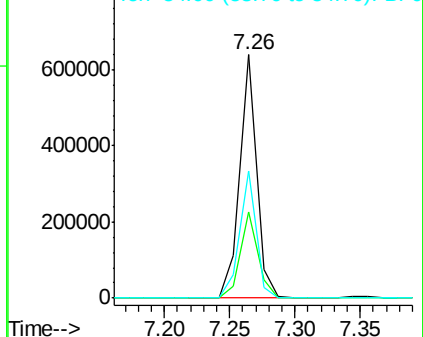


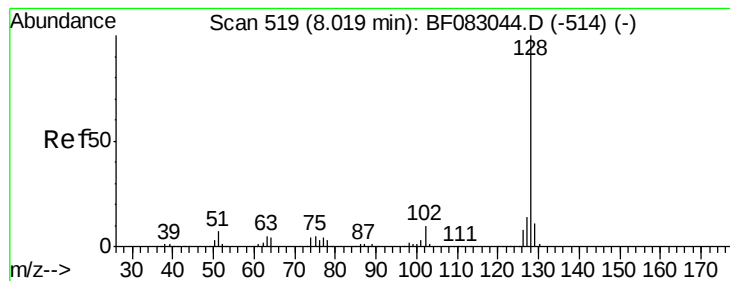
#23
Nitrobenzene-d5
Concen: 44.96 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

Tgt	Ion: 82	Resp:	570577
Ion	Ratio	Lower	Upper
82	100		
128	35.7	33.1	49.7
54	52.2	39.8	59.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3.40 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

Instrument :

BNA_F

ClientSampleId :

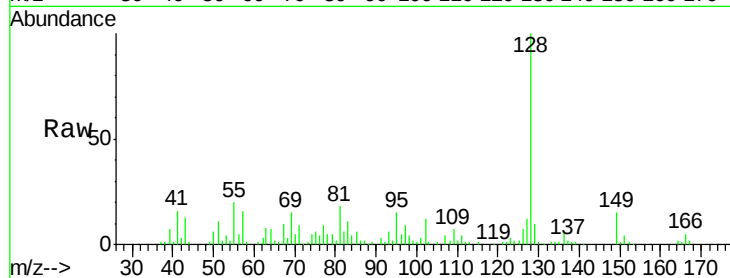
Tot Ion:128 Resp: 102806

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.4

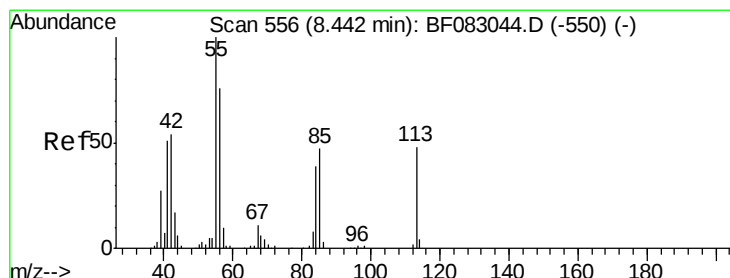
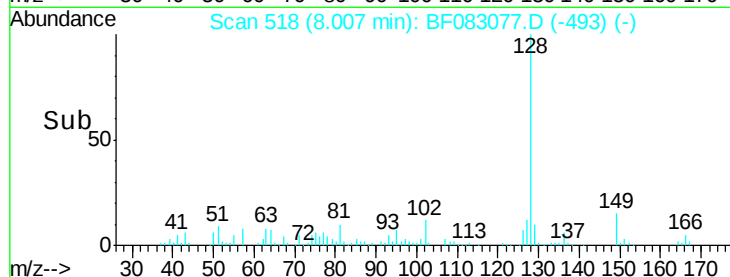
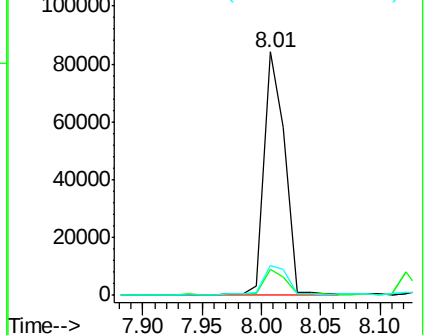
127 12.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#35

Caprolactam

Concen: 8.73 ng

RT: 8.44 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

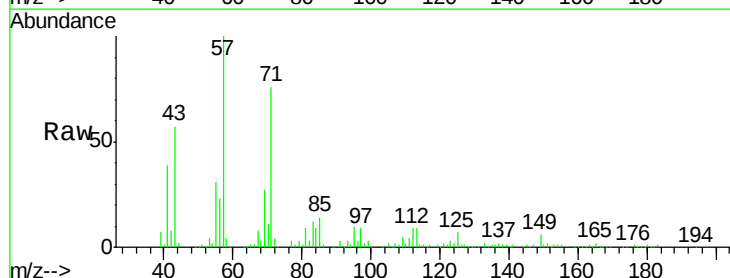
Tgt Ion:113 Resp: 24898

Ion Ratio Lower Upper

113 100

55 347.0 189.1 229.1#

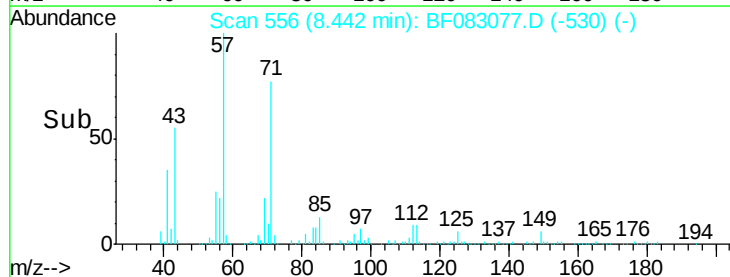
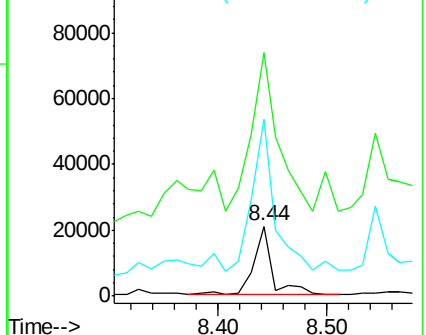
56 252.9 137.9 177.9#

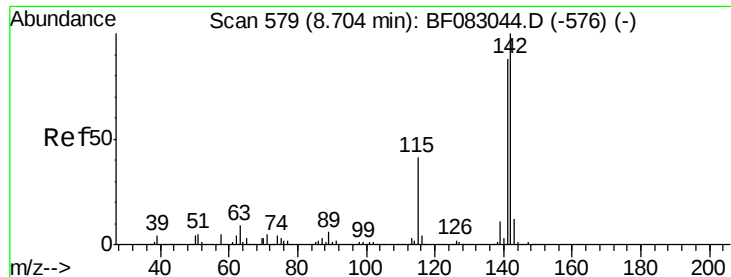


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

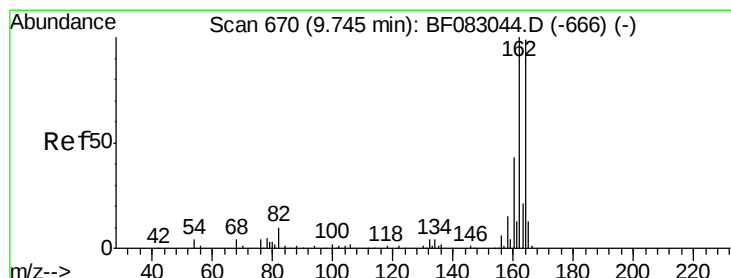
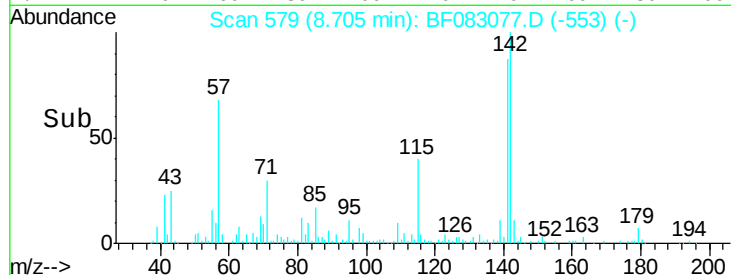
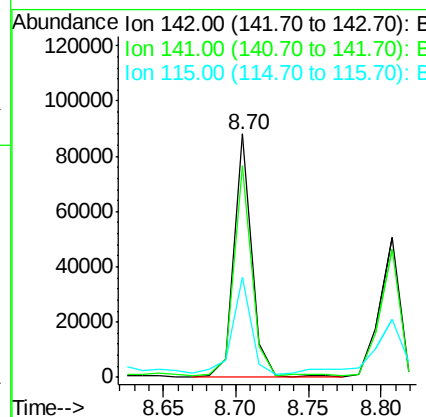
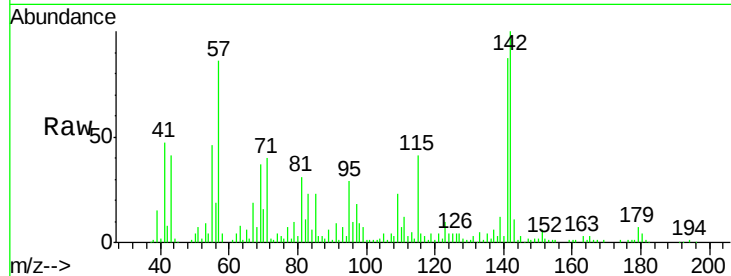




#37
2-Methylnaphthalene
Concen: 3.73 ng
RT: 8.70 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

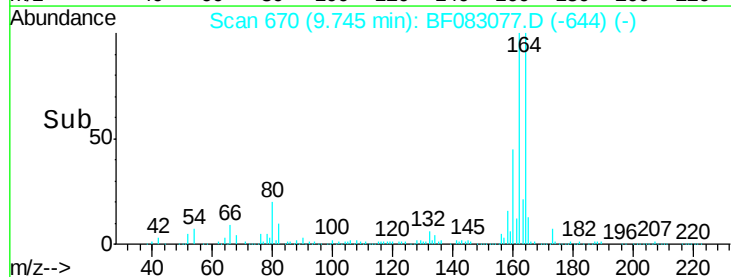
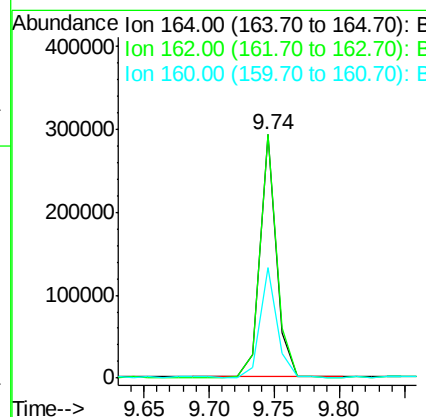
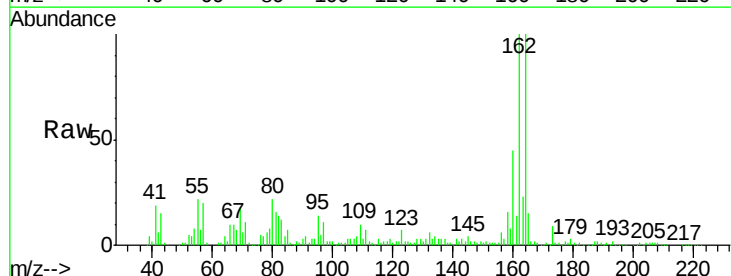
Instrument :
BNA_F
ClientSampled :

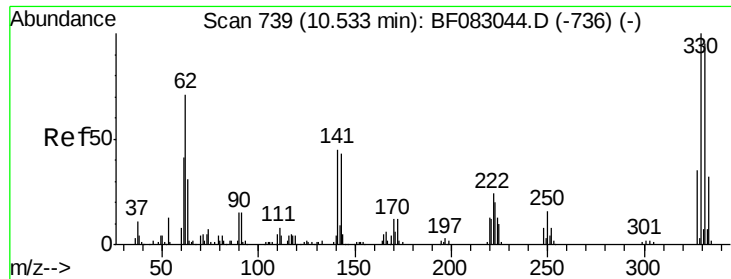
Tot Ion:142 Resp: 75143
Ion Ratio Lower Upper
142 100
141 86.7 70.7 106.1
115 41.0 33.1 49.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

Tgt Ion:164 Resp: 255370
Ion Ratio Lower Upper
164 100
162 100.1 80.5 120.7
160 45.4 35.0 52.4

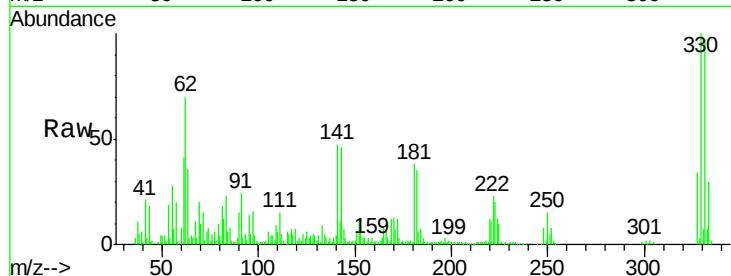




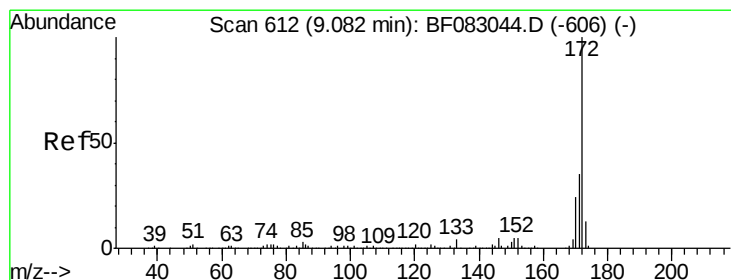
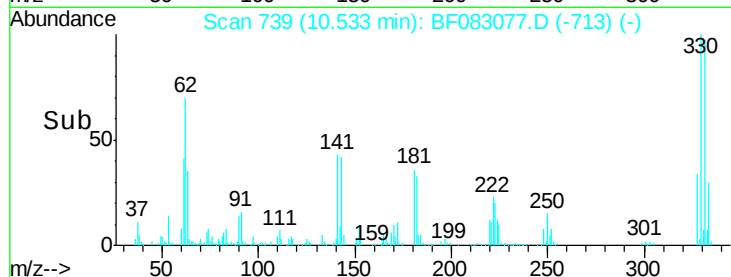
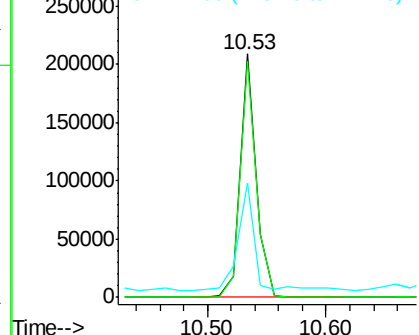
#41
 2,4,6-Tribromophenol
 Concen: 72.30 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083077.D
 Acq: 20 Nov 2015 12:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 196043
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.6 116.4
 141 42.4 34.6 52.0

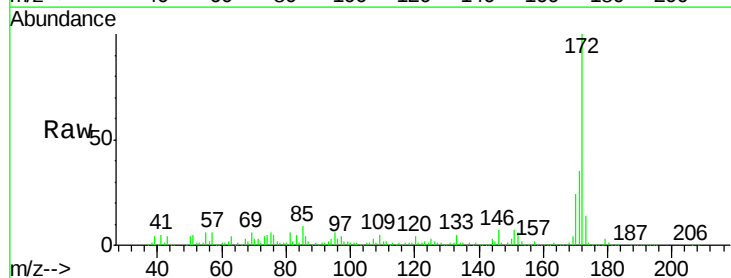


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

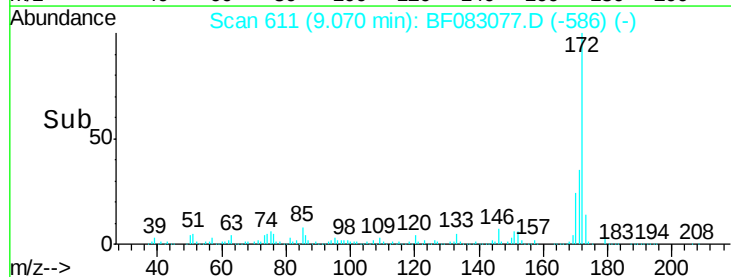
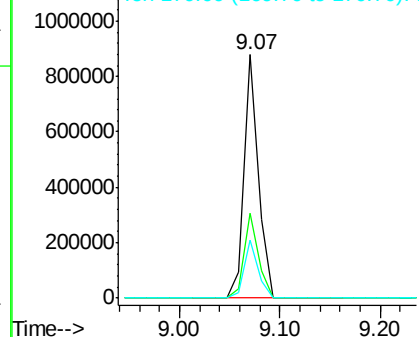


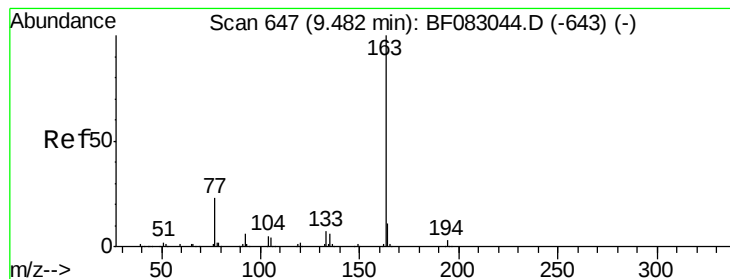
#44
 2-Fluorobiphenyl
 Concen: 45.74 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF083077.D
 Acq: 20 Nov 2015 12:57

Tgt Ion:172 Resp: 867285
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.2 42.4
 170 23.9 19.4 29.0



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: 11.37 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

Instrument :

BNA_F

ClientSampleId :

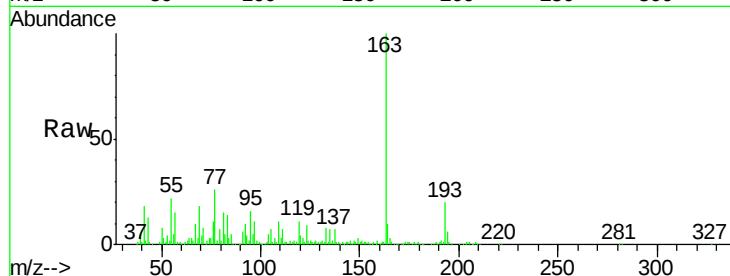
Tot Ion:163 Resp: 238869

Ion Ratio Lower Upper

163 100

194 6.5 2.7 4.1#

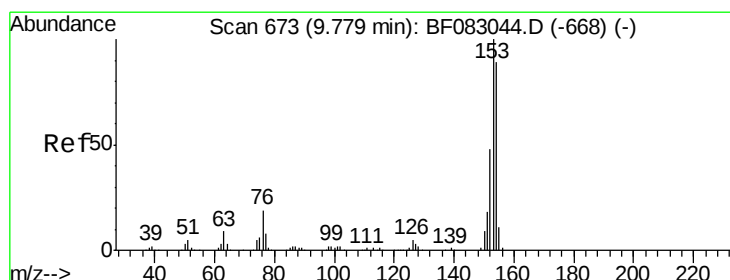
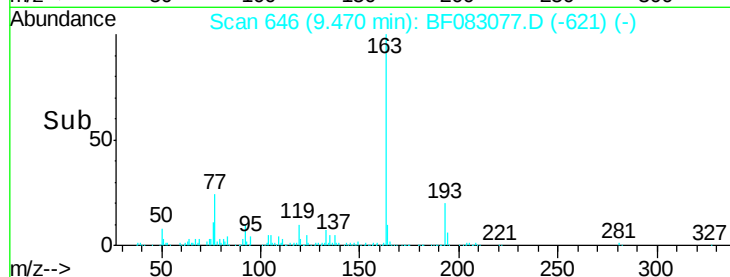
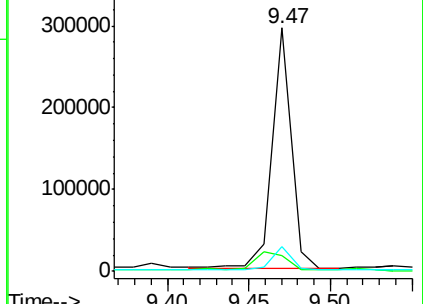
164 10.4 8.5 12.7



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



#51

Acenaphthene

Concen: 8.37 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

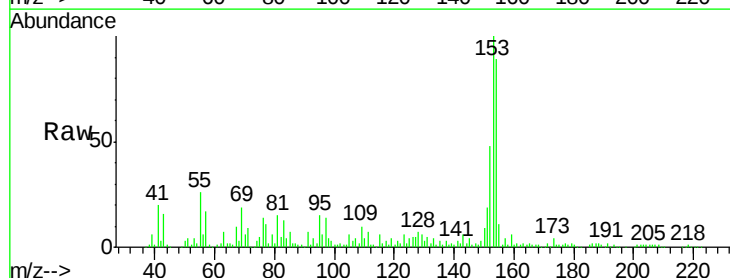
Tgt Ion:154 Resp: 148819

Ion Ratio Lower Upper

154 100

153 112.8 90.1 135.1

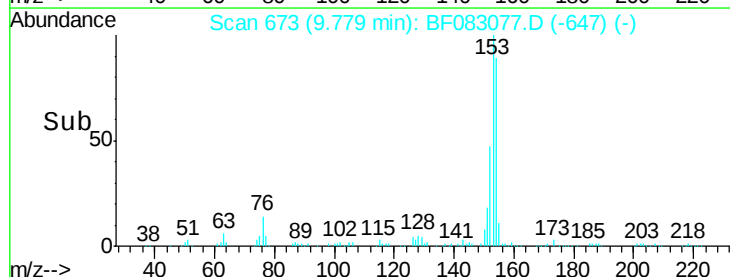
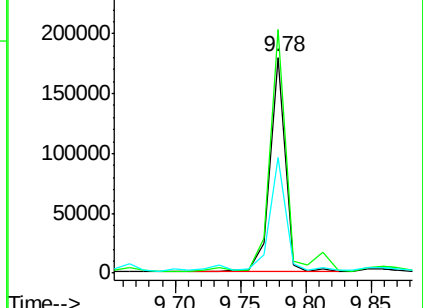
152 53.9 43.3 64.9

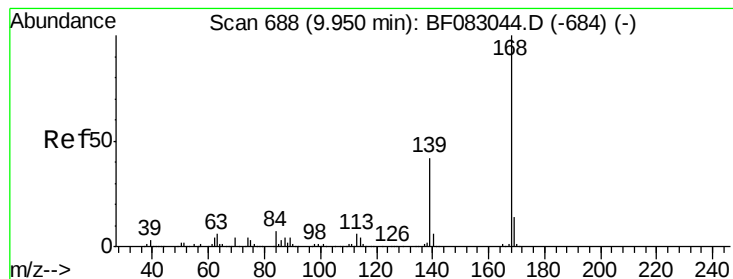


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 7.04 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.00 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

Instrument :

BNA_F

ClientSampled :

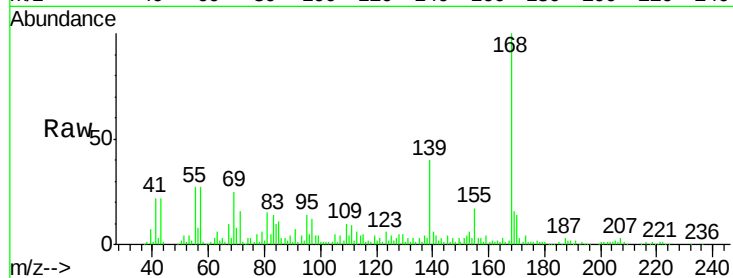
Tot Ion:168 Resp: 167656

Ion Ratio Lower Upper

168 100

139 40.4 33.5 50.3

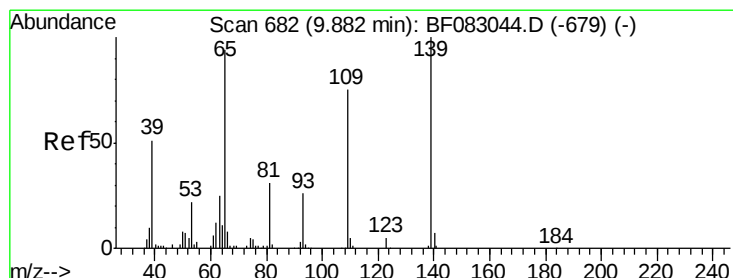
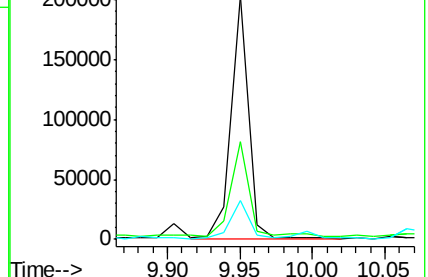
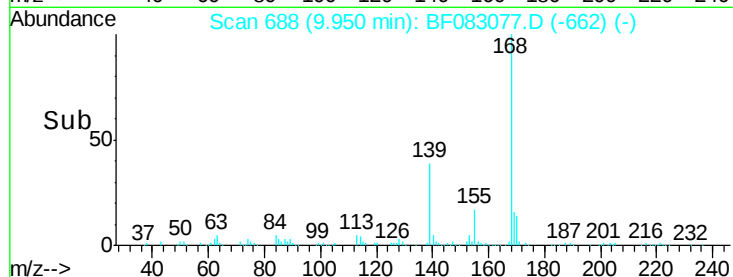
169 16.0 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 19.19 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.07 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

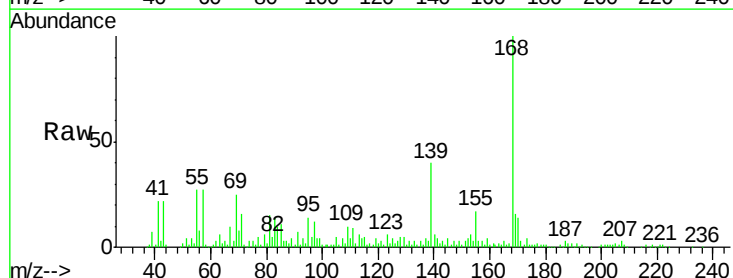
Tgt Ion:139 Resp: 68083

Ion Ratio Lower Upper

139 100

109 24.2 54.6 94.6#

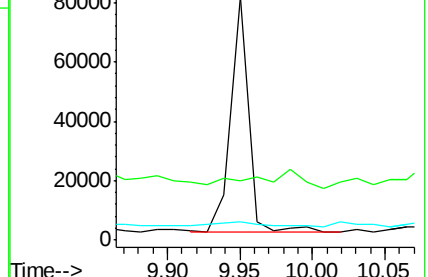
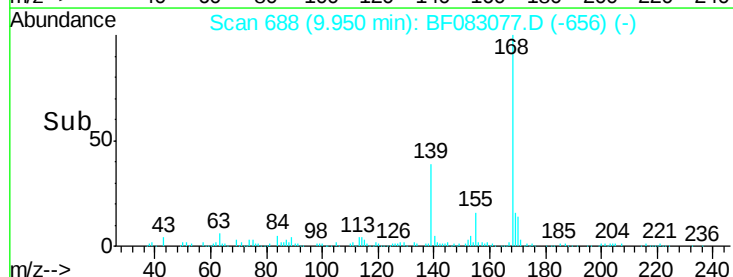
65 7.5 74.4 114.4#

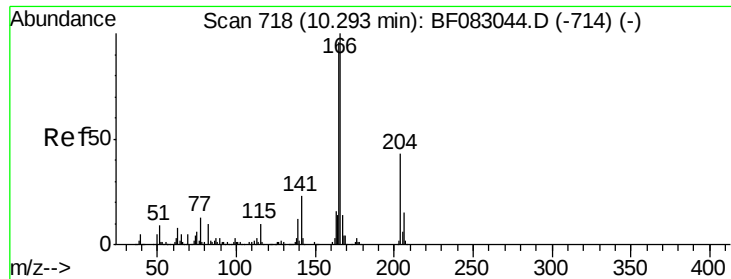


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

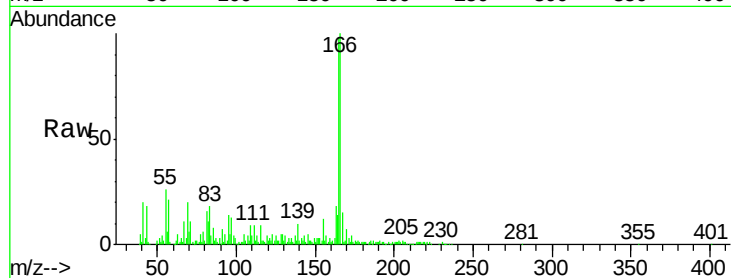




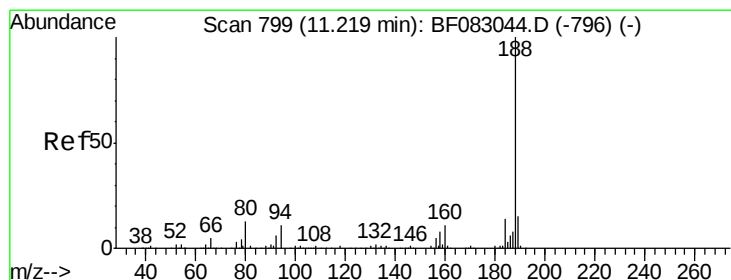
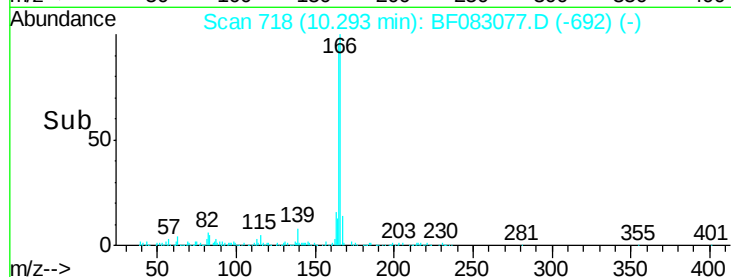
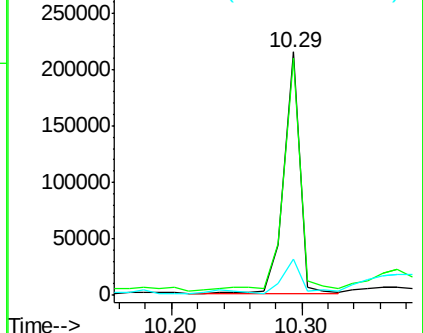
#57
Fluorene
 Concen: 9.81 ng
 RT: 10.29 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: BF083077.D
 Acq: 20 Nov 2015 12:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.1	115.7
167	14.8	11.0	16.4

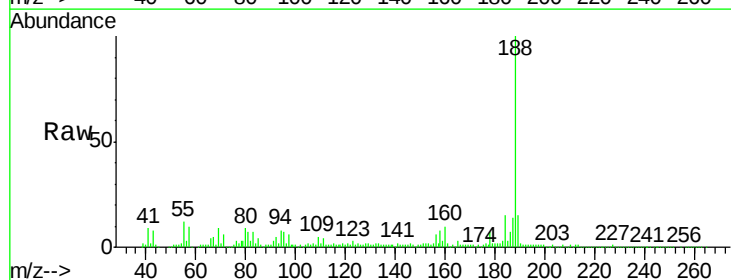


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

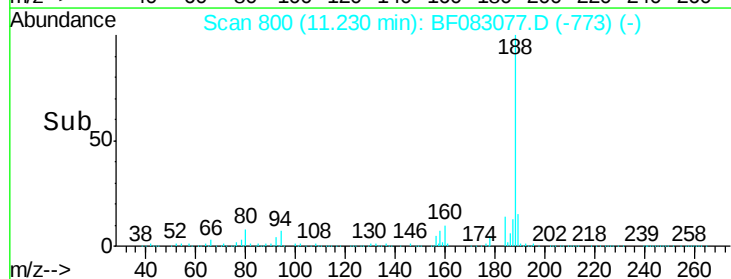
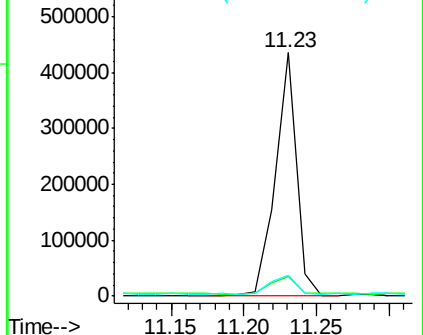


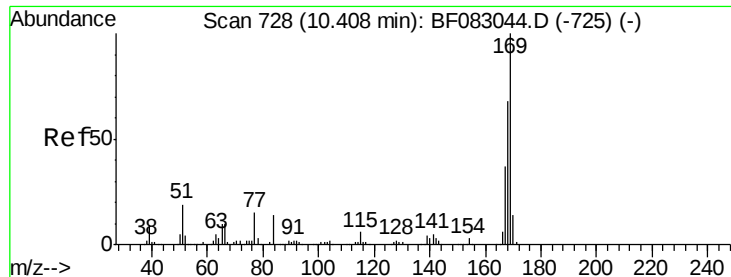
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 800
 Delta R.T. 0.01 min
 Lab File: BF083077.D
 Acq: 20 Nov 2015 12:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	9.0	13.4#
80	8.8	10.2	15.4#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.24 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.07 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

Instrument :

BNA_F

ClientSampleId :

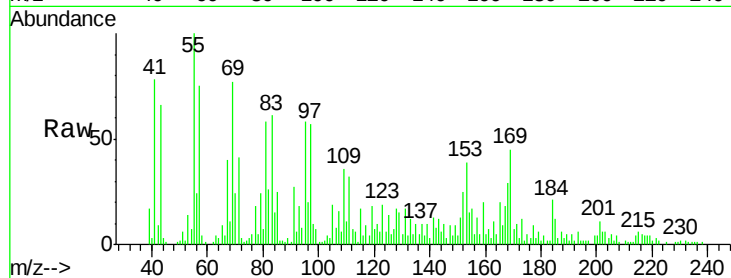
Tot Ion:169 Resp: 34337

Ion Ratio Lower Upper

169 100

168 63.2 54.2 81.2

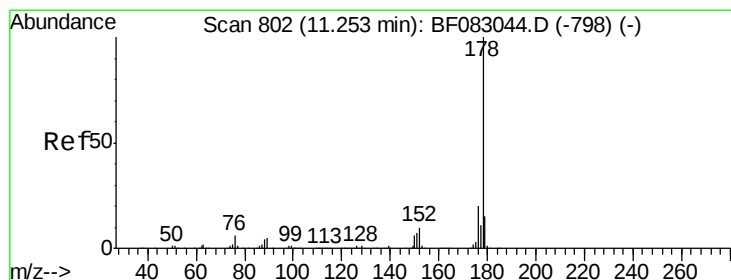
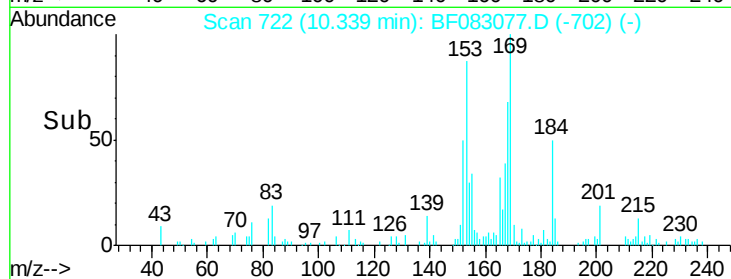
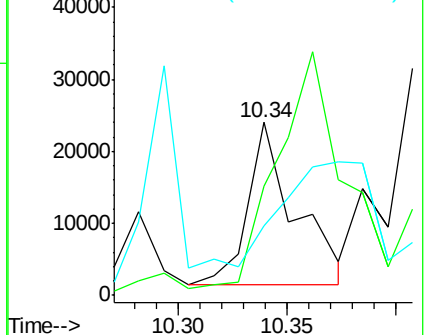
167 40.2 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 67.93 ng

RT: 11.25 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

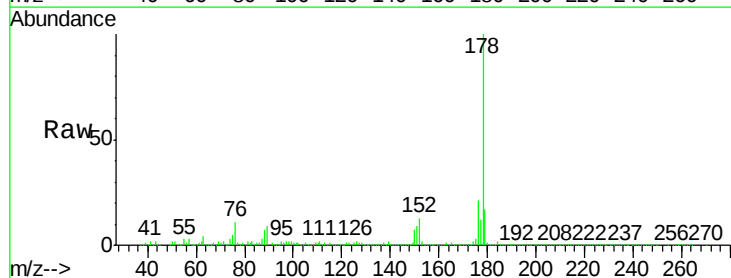
Tgt Ion:178 Resp: 1791493

Ion Ratio Lower Upper

178 100

176 21.1 15.6 23.4

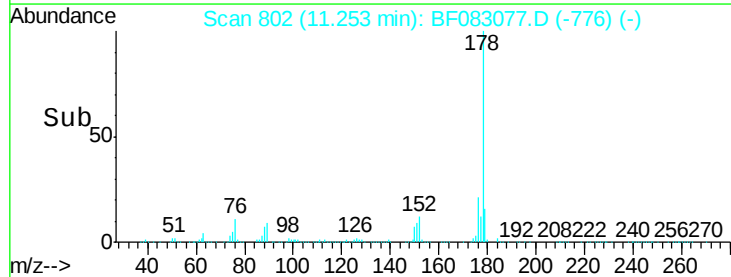
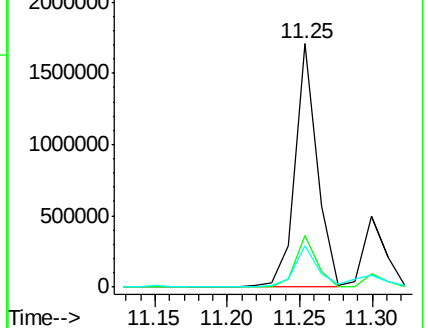
179 17.1 12.3 18.5

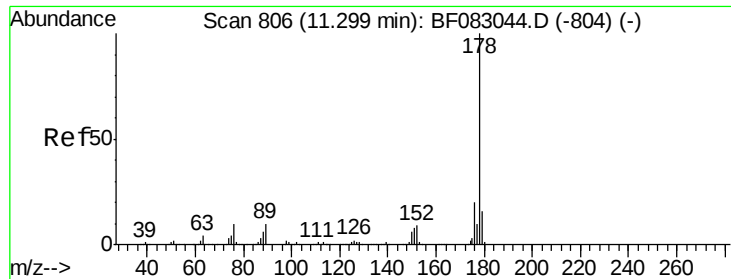


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

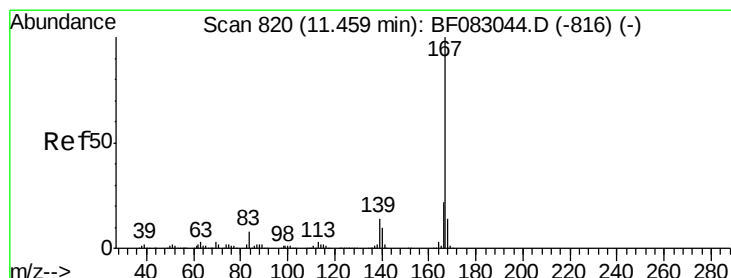
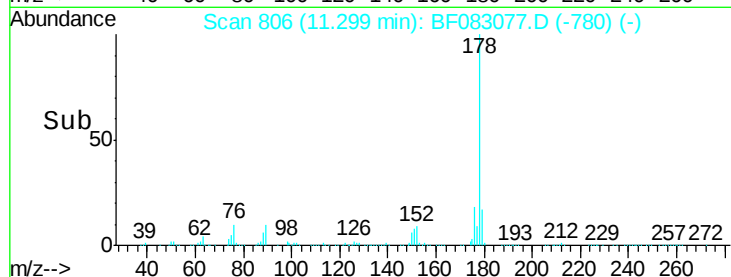
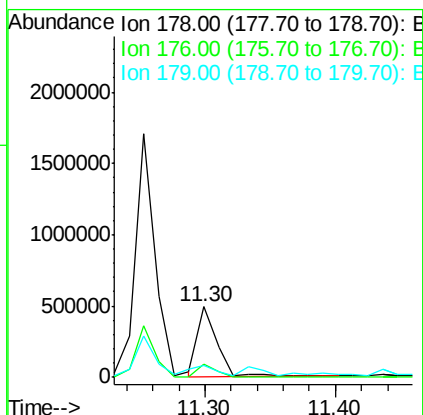
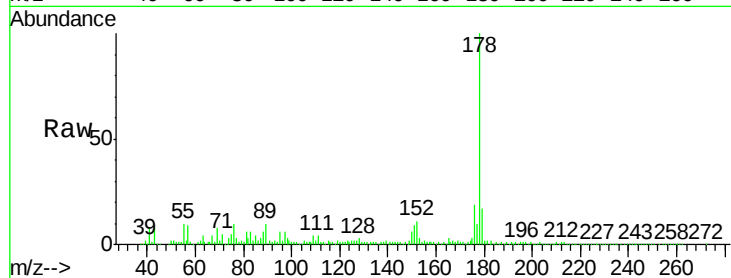




#71
 Anthracene
 Concen: 19.08 ng
 RT: 11.30 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF083077.D
 Acq: 20 Nov 2015 12:57

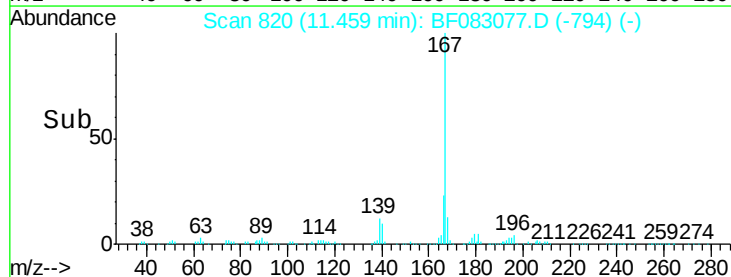
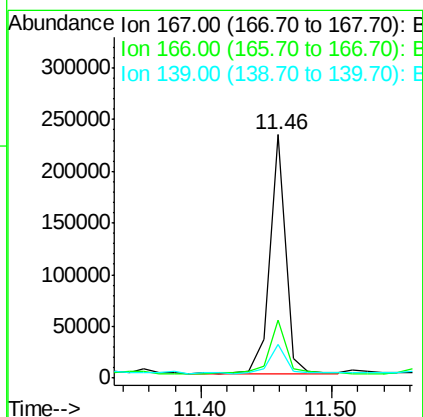
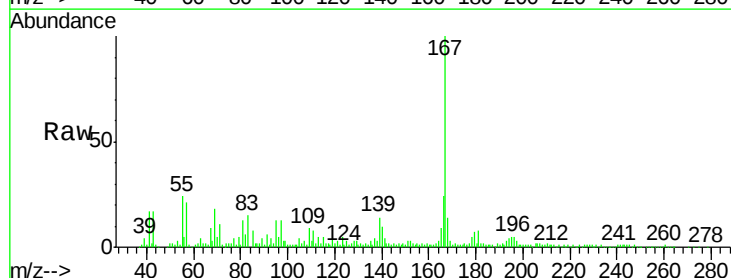
Instrument :
 BNA_F
 ClientSampleId :

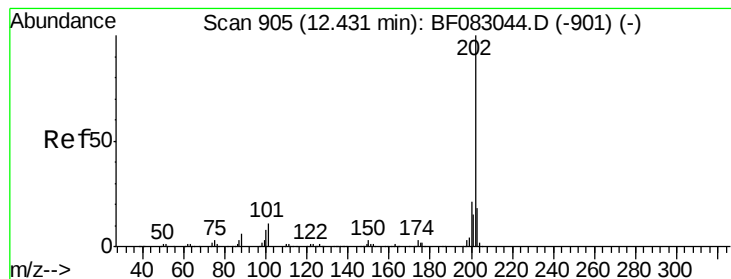
Tot Ion:178 Resp: 506911
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.6
 179 17.4 13.1 19.7



#72
 Carbazole
 Concen: 8.70 ng
 RT: 11.46 min Scan# 820
 Delta R.T. 0.00 min
 Lab File: BF083077.D
 Acq: 20 Nov 2015 12:57

Tgt Ion:167 Resp: 202030
 Ion Ratio Lower Upper
 167 100
 166 24.0 17.8 26.6
 139 14.1 11.0 16.4





#74

Fluoranthene

Concen: 63.70 ng

RT: 12.44 min Scan# 906

Delta R.T. 0.01 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

Instrument :

BNA_F

ClientSampled :

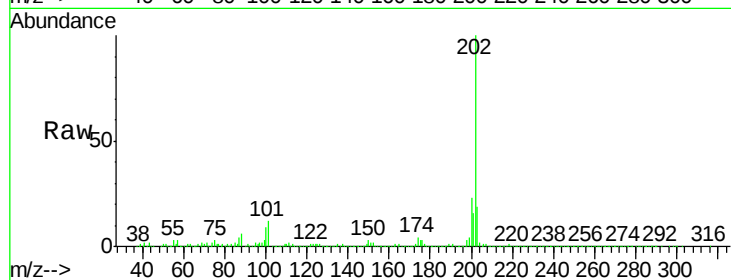
Tot Ion:202 Resp: 1750764

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.1

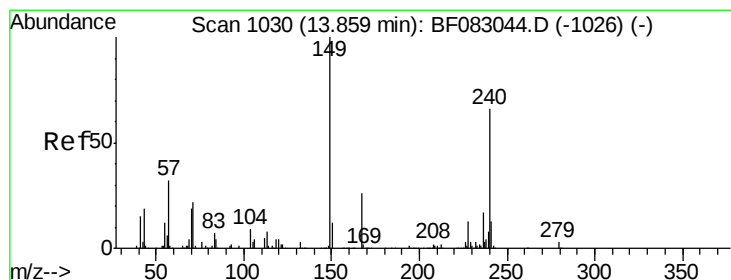
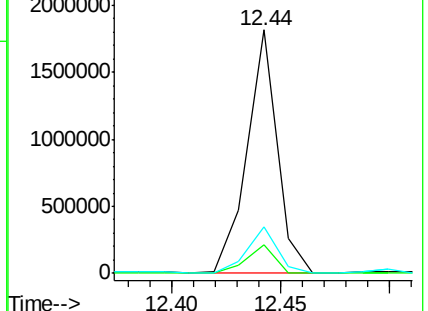
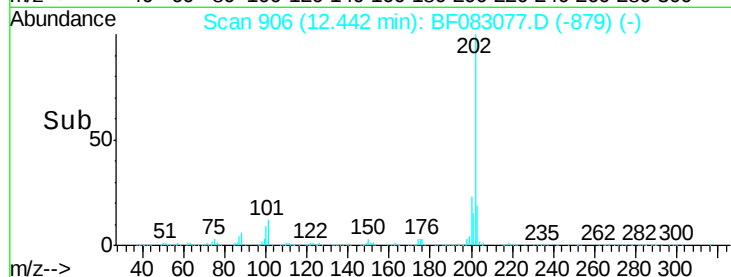
203 19.2 0.0 38.4



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: 13.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

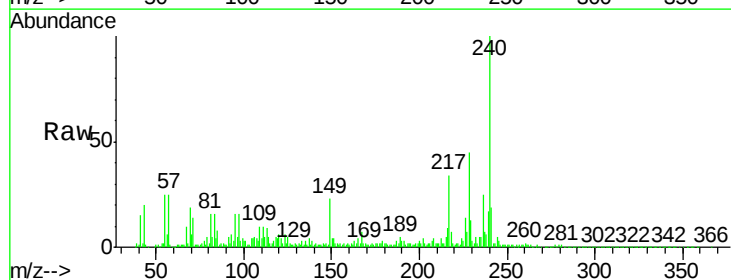
Tgt Ion:240 Resp: 356642

Ion Ratio Lower Upper

240 100

120 6.2 5.3 7.9

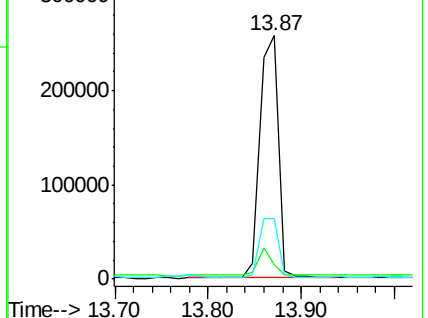
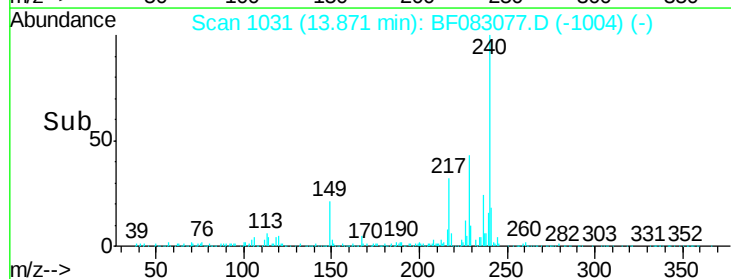
236 24.8 20.4 30.6

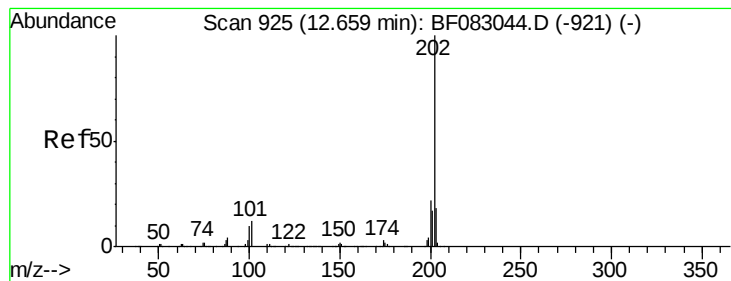


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 70.12 ng

RT: 12.67 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

Instrument :

BNA_F

ClientSampleId :

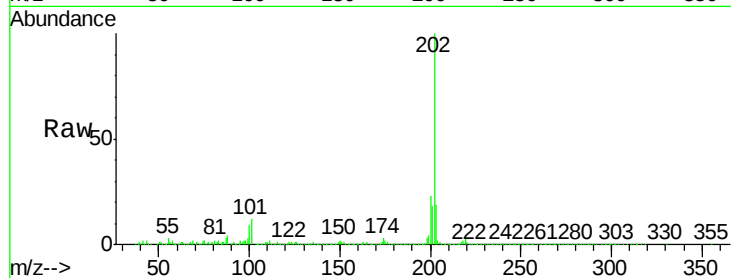
Tot Ion:202 Resp: 1760564

Ion Ratio Lower Upper

202 100

200 22.7 17.6 26.4

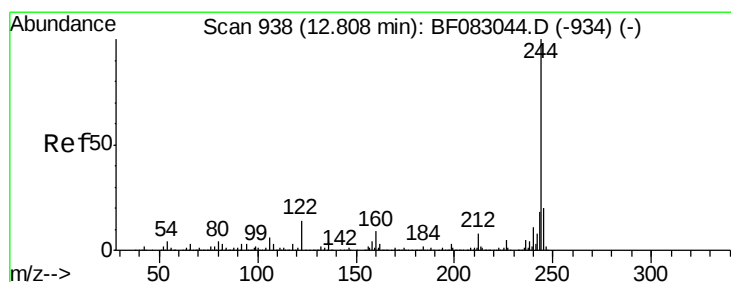
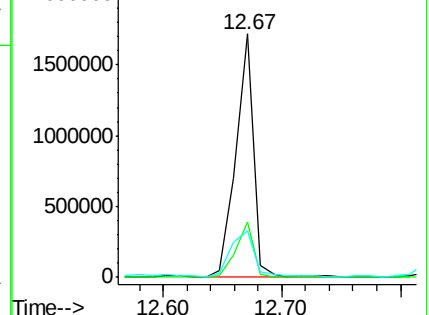
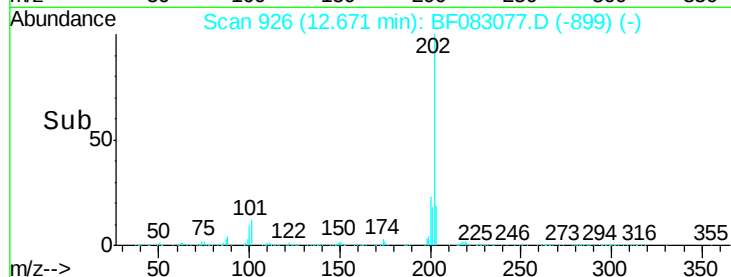
203 19.1 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 70.13 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

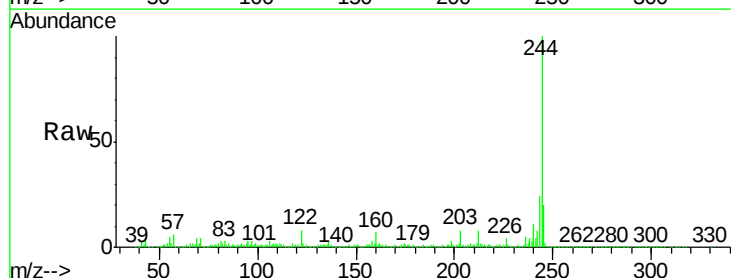
Tgt Ion:244 Resp: 1059495

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

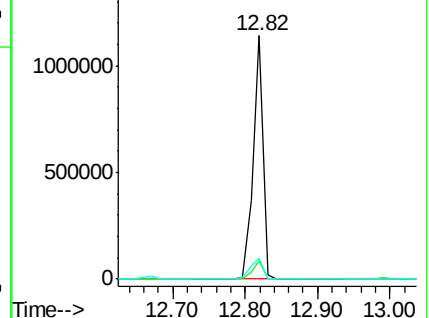
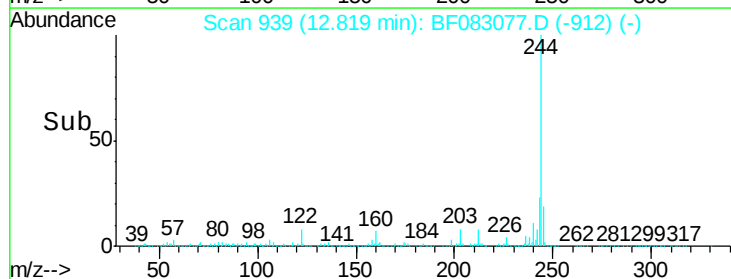
122 8.3 10.9 16.3#

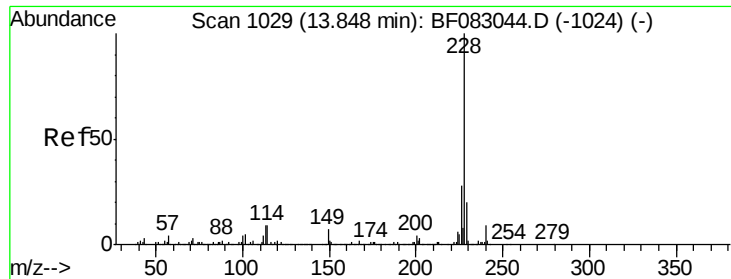


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

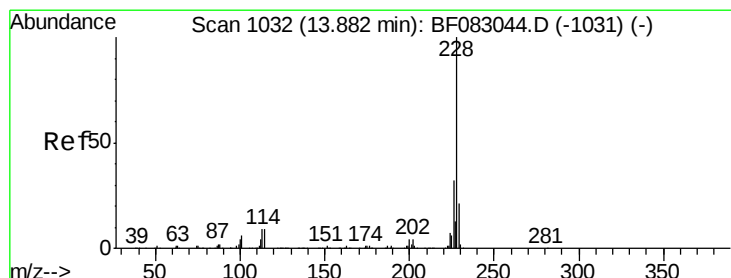
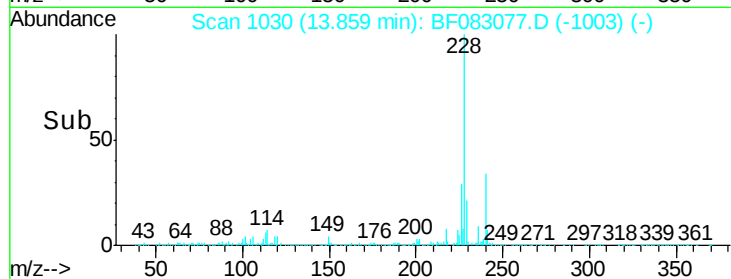
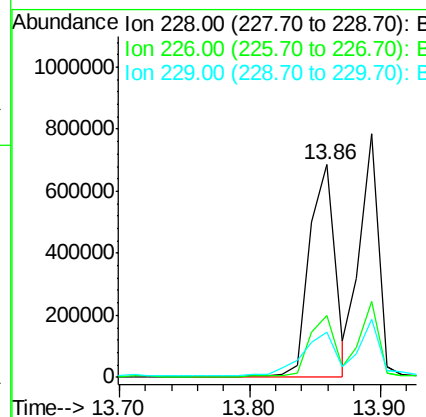
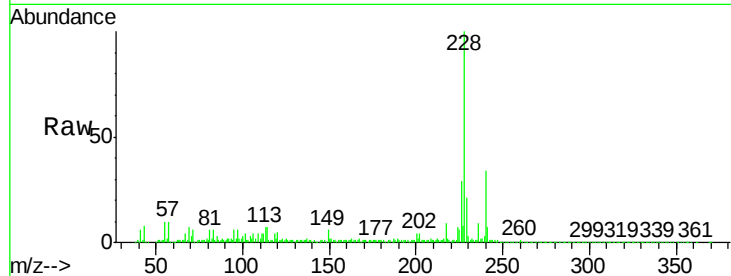




#80
Benzo(a)anthracene
Concen: 40.84 ng
RT: 13.86 min Scan# 1030
Delta R.T. 0.01 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

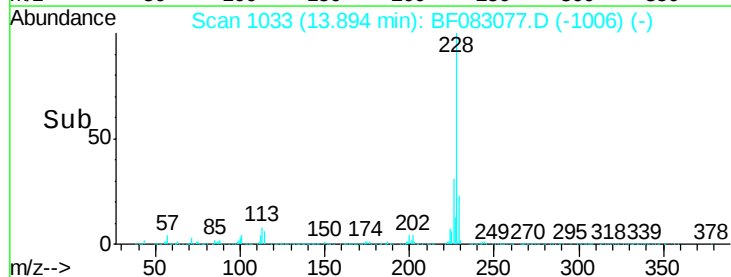
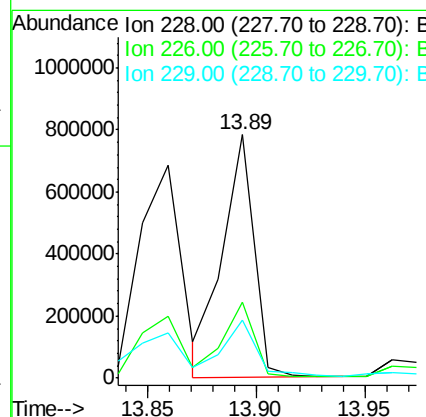
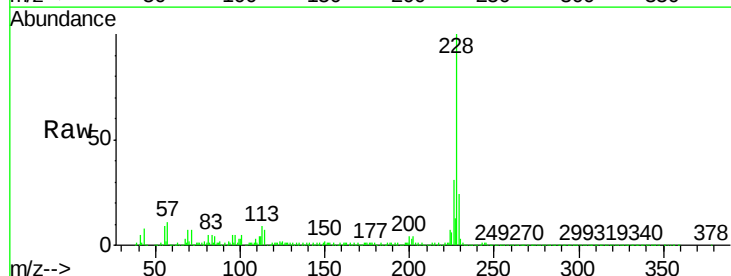
Instrument :
BNA_F
ClientSampleId :

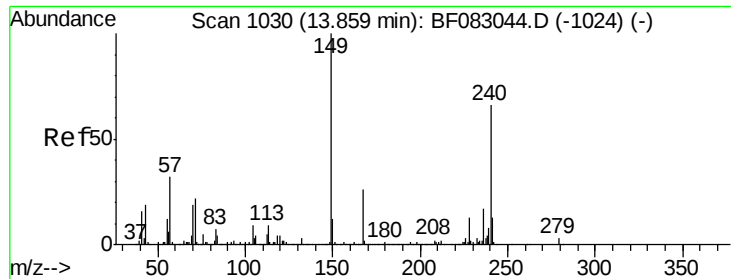
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	34.0
229	21.3	16.1	24.1



#82
Chrysene
Concen: 37.49 ng
RT: 13.89 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.3	37.9
229	23.8	16.4	24.6

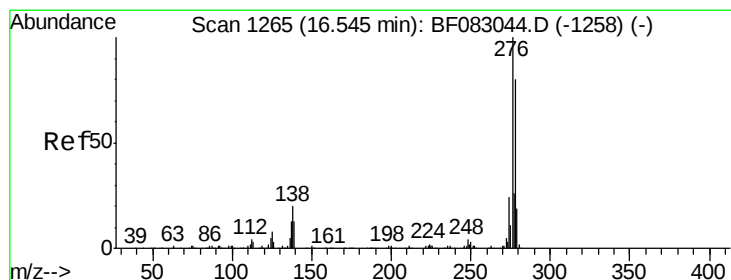
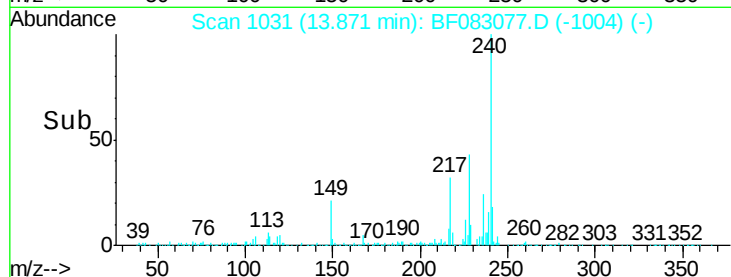
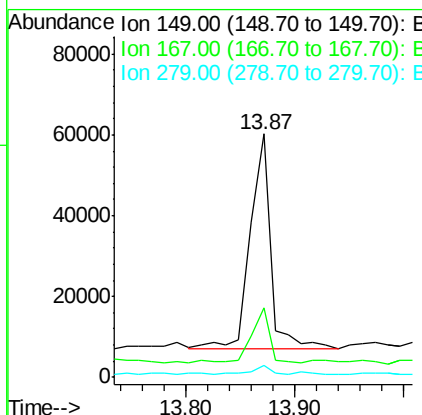
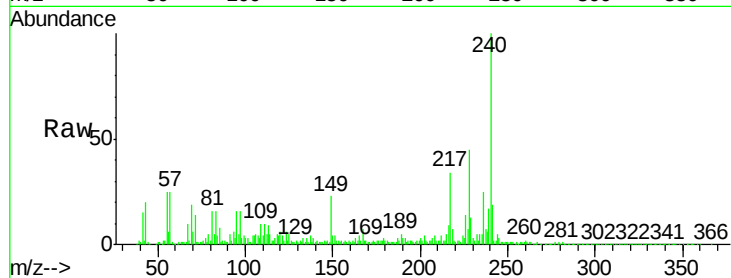




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.74 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: BF083077.D
 Acq: 20 Nov 2015 12:57

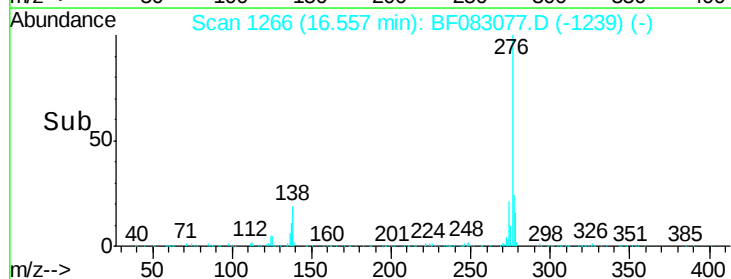
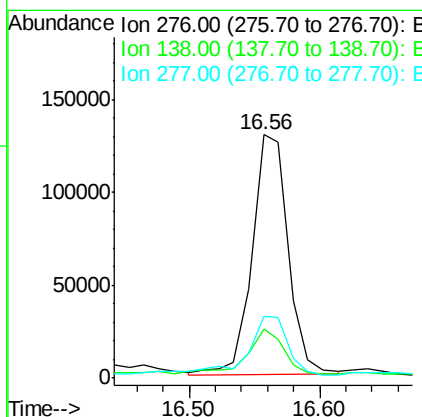
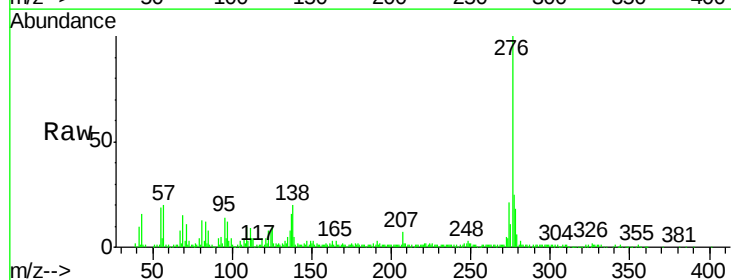
Instrument :
 BNA_F
 ClientSampleId :

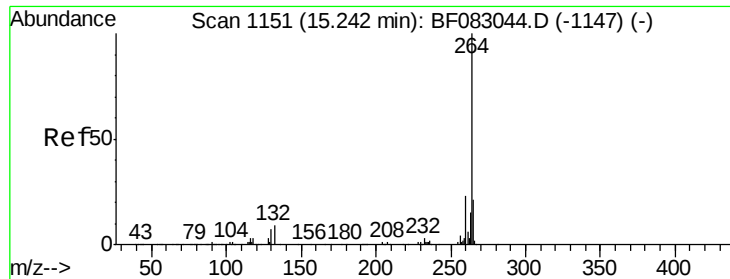
Tot Ion:149 Resp: 68783
 Ion Ratio Lower Upper
 149 100
 167 28.8 20.9 31.3
 279 4.9 2.0 3.0#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.80 ng
 RT: 16.56 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: BF083077.D
 Acq: 20 Nov 2015 12:57

Tgt Ion:276 Resp: 250321
 Ion Ratio Lower Upper
 276 100
 138 18.9 16.3 24.5
 277 28.0 19.8 29.8

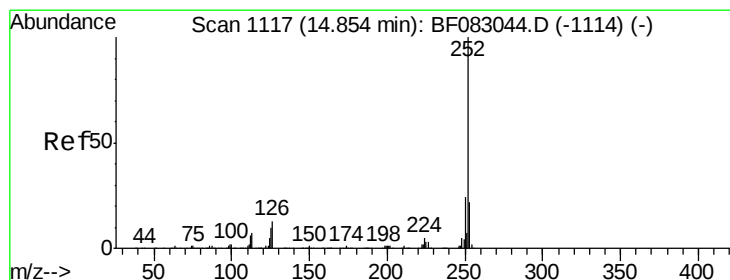
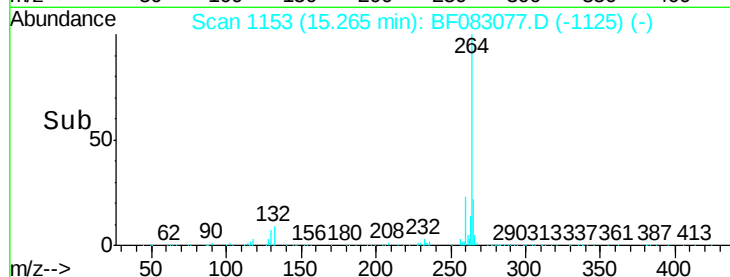
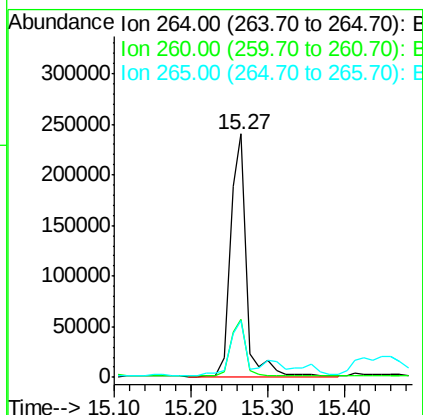
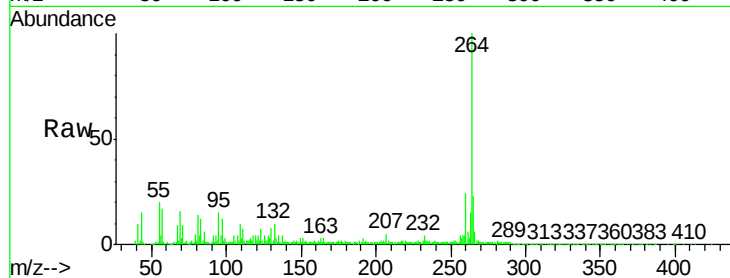




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

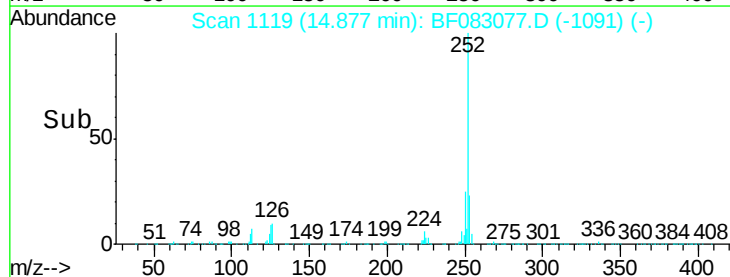
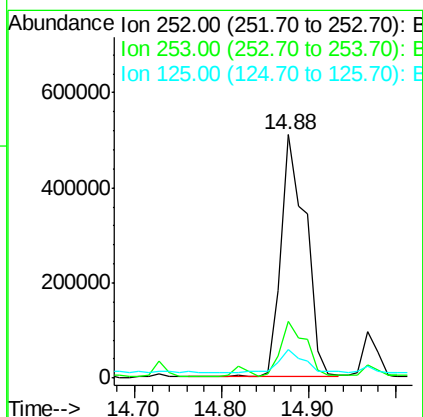
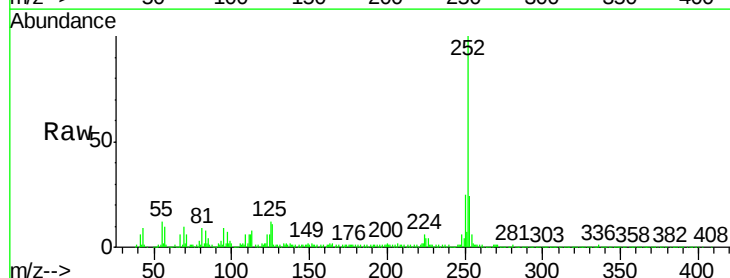
Instrument :
BNA_F
ClientSampleId :

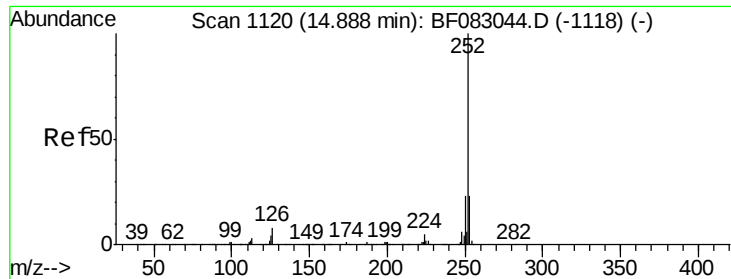
Tot Ion:264 Resp: 351788
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 23.1 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 41.20 ng
RT: 14.88 min Scan# 1119
Delta R.T. 0.02 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

Tgt Ion:252 Resp: 1013401
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 11.8 7.7 11.5#

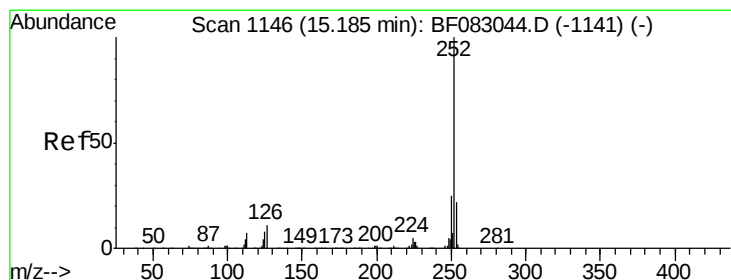
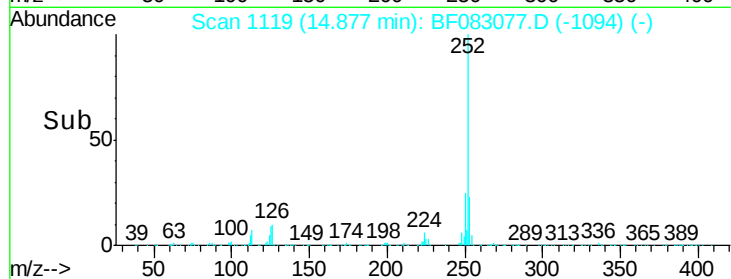
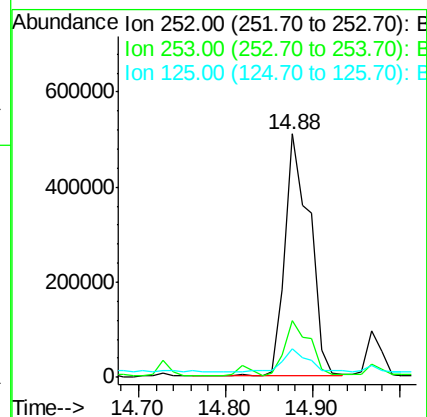
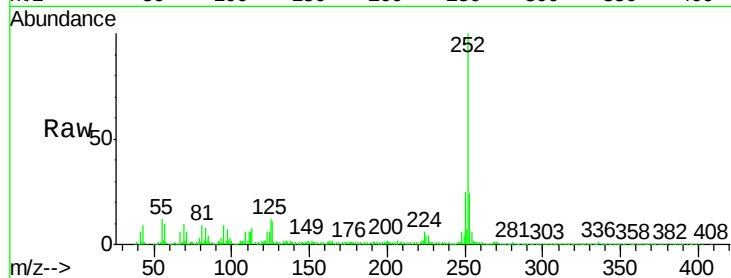




#88
Benzo(k)fluoranthene
Concen: 54.08 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

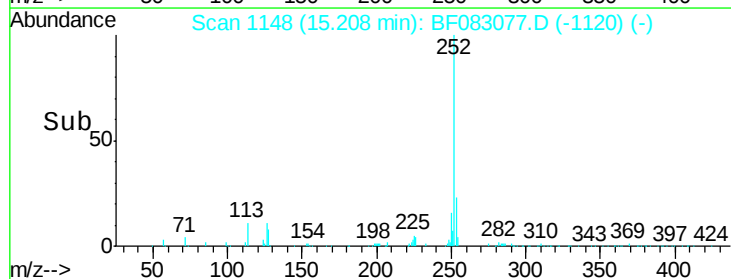
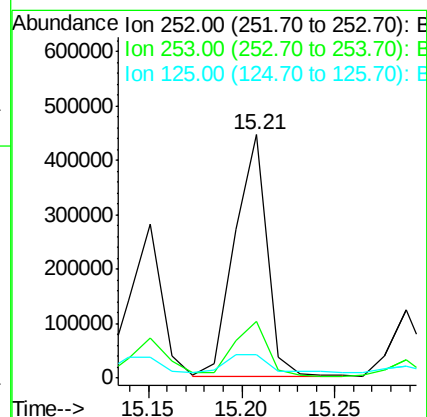
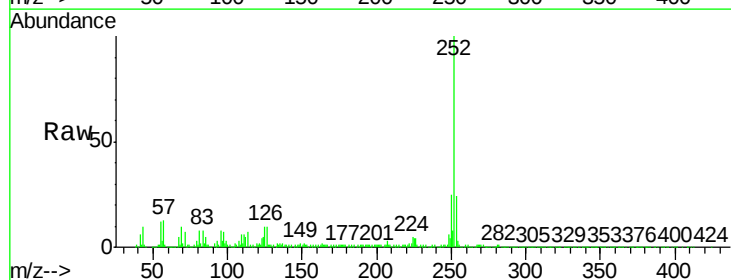
Instrument :
BNA_F
ClientSampleId :

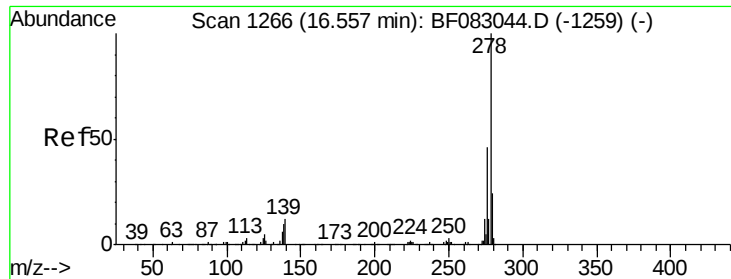
Tot Ion:252 Resp: 1013401
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 11.8 3.8 5.6#



#89
Benzo(a)pyrene
Concen: 27.15 ng
RT: 15.21 min Scan# 1148
Delta R.T. 0.02 min
Lab File: BF083077.D
Acq: 20 Nov 2015 12:57

Tgt Ion:252 Resp: 536019
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.5 6.4 9.6





#90

Dibenzo(a,h)anthracene

Concen: 3.89 ng

RT: 16.57 min Scan# 1267

Delta R.T. 0.01 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

Instrument :

BNA_F

ClientSampleId :

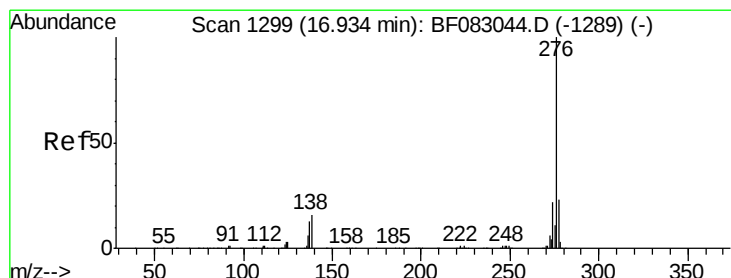
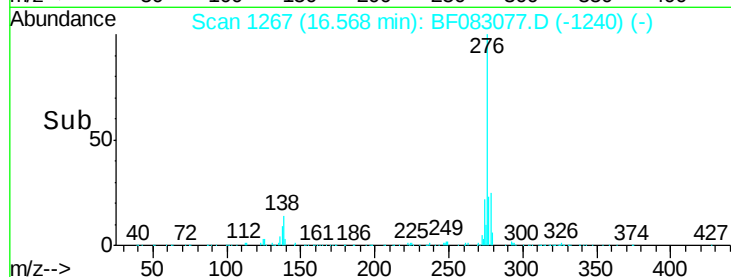
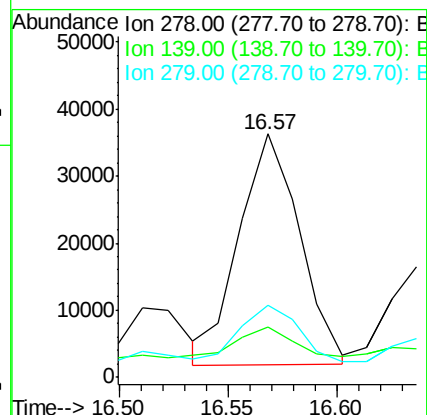
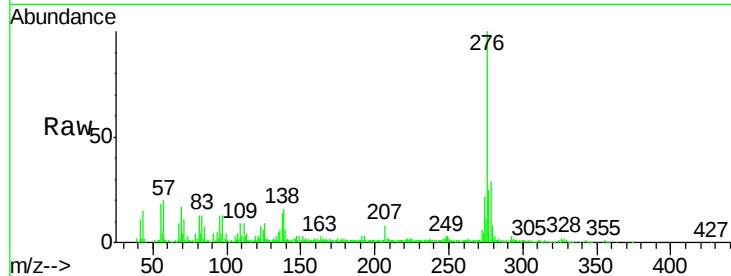
Tot Ion:278 Resp: 66799

Ion Ratio Lower Upper

278 100

139 20.8 9.8 14.8#

279 29.6 19.6 29.4#



#91

Benzo(g,h,i)perylene

Concen: 12.99 ng

RT: 16.96 min Scan# 1301

Delta R.T. 0.02 min

Lab File: BF083077.D

Acq: 20 Nov 2015 12:57

Tgt Ion:276 Resp: 217712

Ion Ratio Lower Upper

276 100

277 23.9 18.6 27.8

138 17.2 12.5 18.7

