

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086906.D
 Acq On : 12 May 2016 00:00
 Operator : UM/SJ
 Sample : H2952-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: May 12 00:56:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	146035	20.00	ng	-0.07
21) Naphthalene-d8	7.92	136	614231	20.00	ng	-0.07
38) Acenaphthene-d10	9.67	164	284806	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	486145	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	319708	20.00	ng	-0.07
86) Perylene-d12	15.13	264	294537	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	952667	110.48	ng	-0.07
7) Phenol-d6	6.30	99	1351460	117.27	ng	-0.07
23) Nitrobenzene-d5	7.20	82	896634	73.30	ng	-0.07
41) 2,4,6-Tribromophenol	10.46	330	307466	101.97	ng	-0.07
44) 2-Fluorobiphenyl	8.99	172	1267906	74.82	ng	-0.07
78) Terphenyl-d14	12.73	244	971567	64.48	ng	-0.07

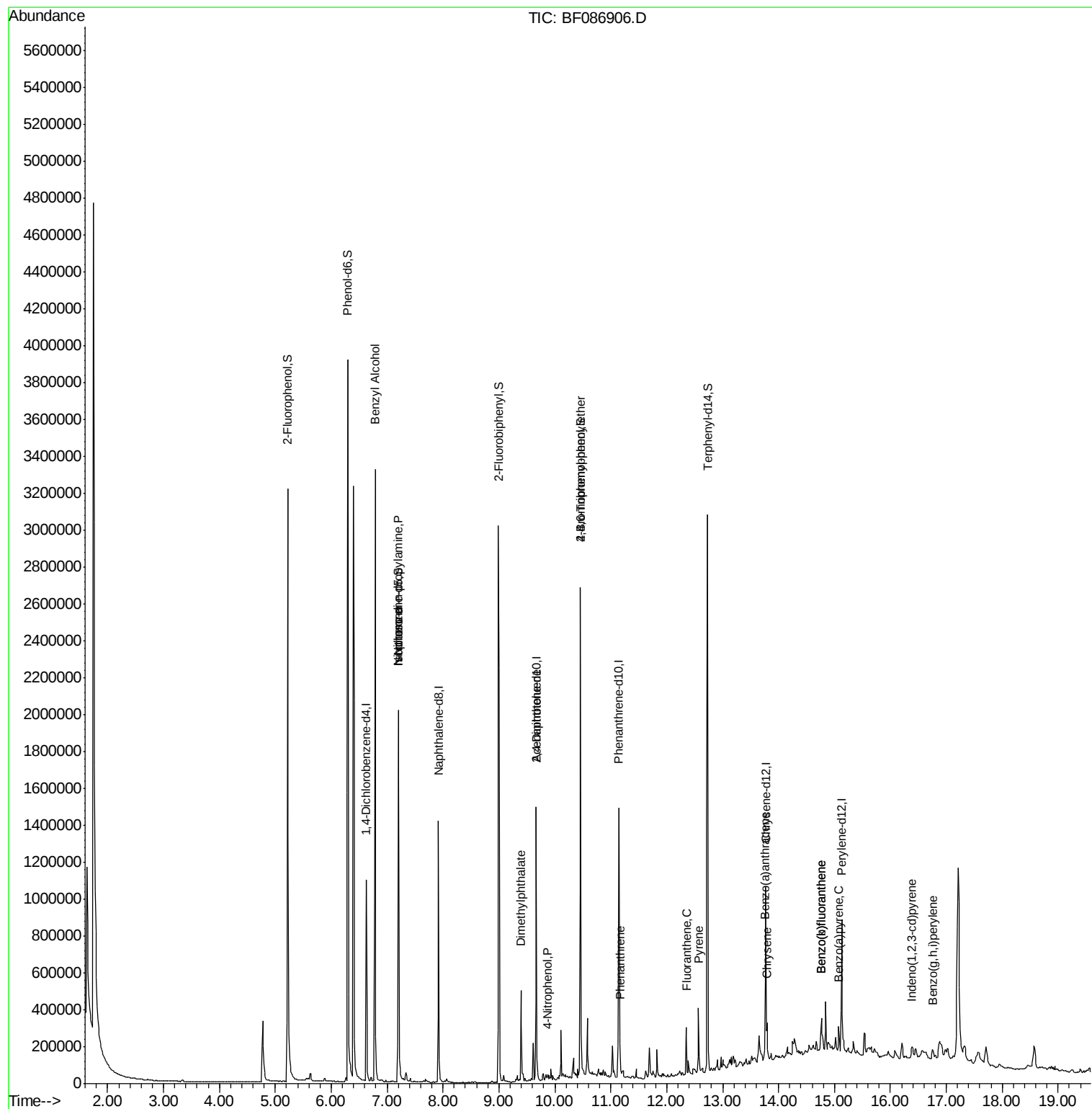
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.79	79	15949	2.00	ng	# 39
19) n-Nitroso-di-n-propylamine	7.20	70	122796	15.25	ng	# 69
25) Isophorone	7.20	82	847193	37.33	ng	# 68
49) Dimethylphthalate	9.39	163	233930	10.77	ng	99
55) 4-Nitrophenol	9.87	139	1097	4.88	ng	# 14
56) 2,4-Dinitrotoluene	9.67	165	35460	6.27	ng	# 16
66) 4-Bromophenyl-phenylether	10.46	248	19611	3.98	ng	# 1
70) Phenanthrene	11.17	178	56915	2.19	ng	99
74) Fluoranthene	12.35	202	146720	5.50	ng	90
77) Pyrene	12.57	202	133801	5.47	ng	98
80) Benzo(a)anthracene	13.76	228	81535	4.54	ng	98
82) Chrysene	13.79	228	55423	3.04	ng	98
85) Indeno(1,2,3-cd)pyrene	16.39	276	38842	2.56	ng	92
87) Benzo(b)fluoranthene	14.77	252	119502	6.24	ng	97
88) Benzo(k)fluoranthene	14.77	252	119502	7.62	ng	97
89) Benzo(a)pyrene	15.07	252	59608	3.61	ng	# 93
91) Benzo(g,h,i)perylene	16.75	276	36908	2.61	ng	95

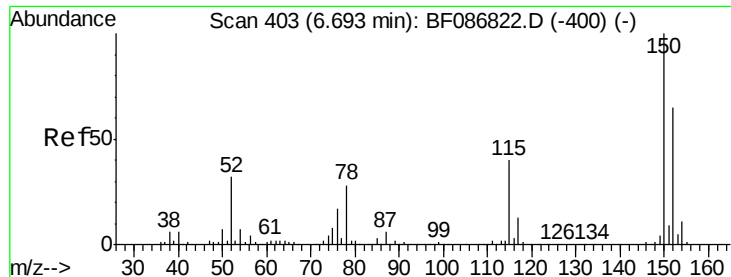
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

Instrument :

BNA_F

ClientSampleId :

S-1

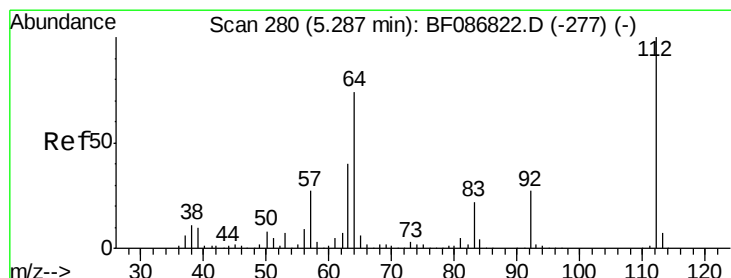
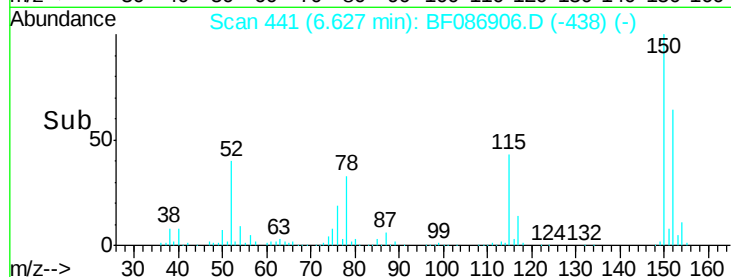
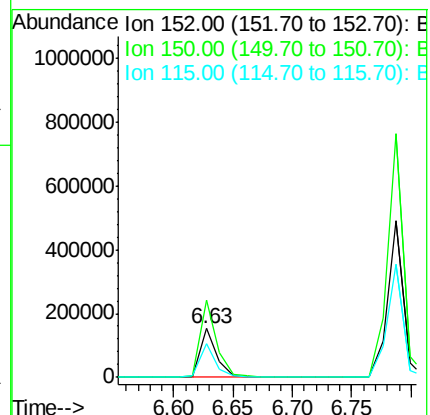
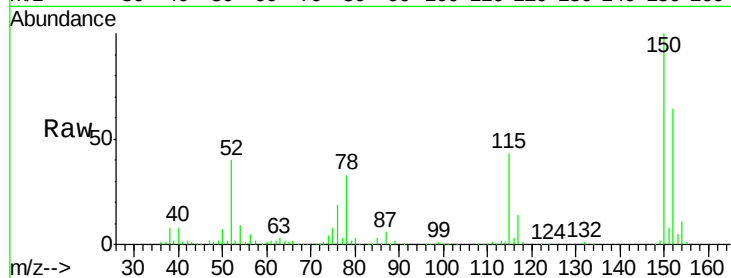
Tgt Ion:152 Resp: 146035

Ion Ratio Lower Upper

152 100

150 157.3 125.8 188.6

115 68.3 51.5 77.3



#5

2-Fluorophenol

Concen: 110.48 ng

RT: 5.22 min Scan# 318

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

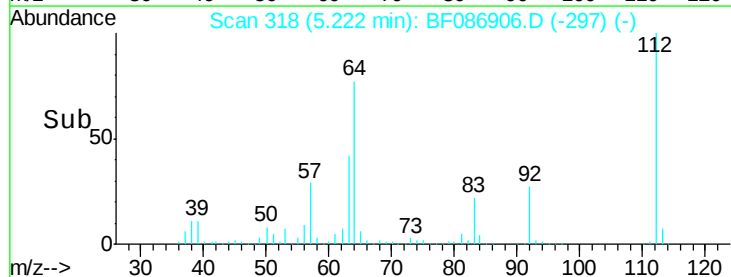
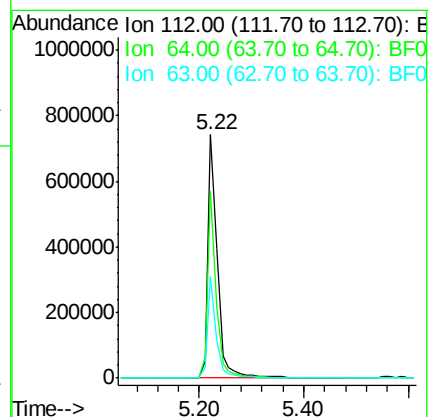
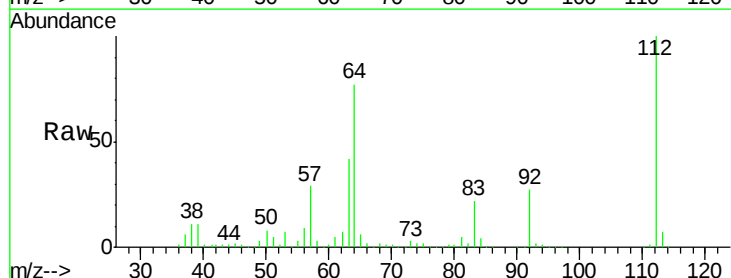
Tgt Ion:112 Resp: 952667

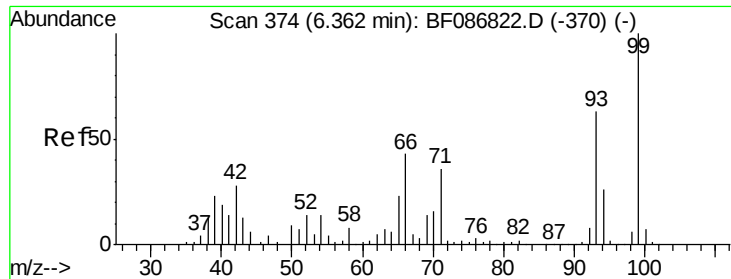
Ion Ratio Lower Upper

112 100

64 76.9 52.1 78.1

63 41.5 25.7 38.5#





#7

Phenol-d6

Concen: 117.27 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

Instrument :

BNA_F

ClientSampleId :

S-1

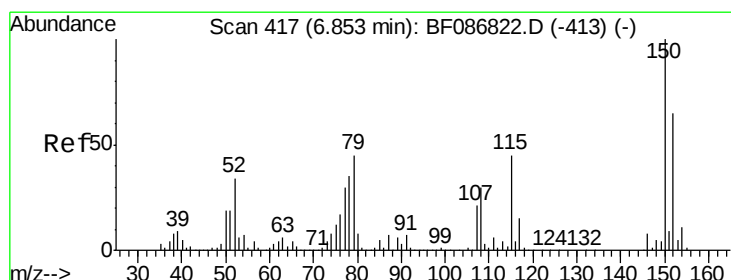
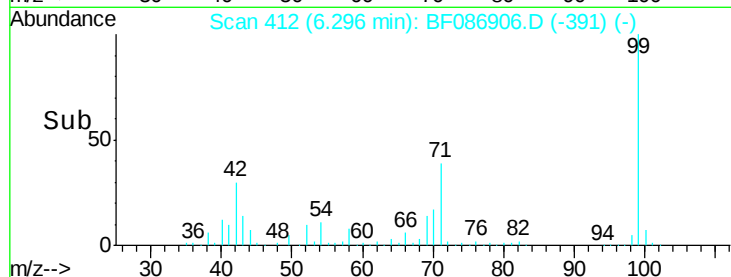
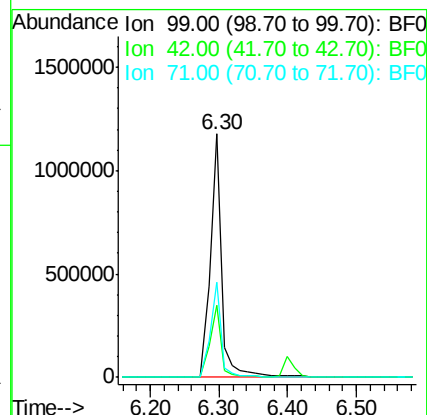
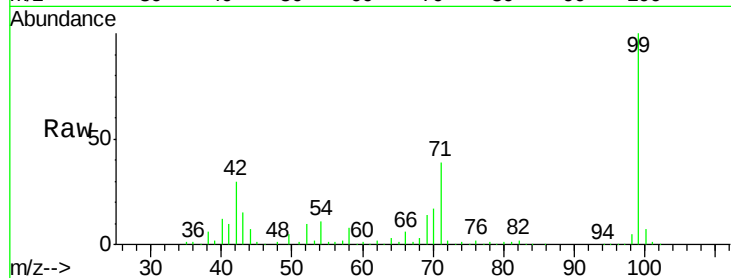
Tgt Ion: 99 Resp: 1351460

Ion Ratio Lower Upper

99 100

42 29.5 13.6 20.4#

71 39.0 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

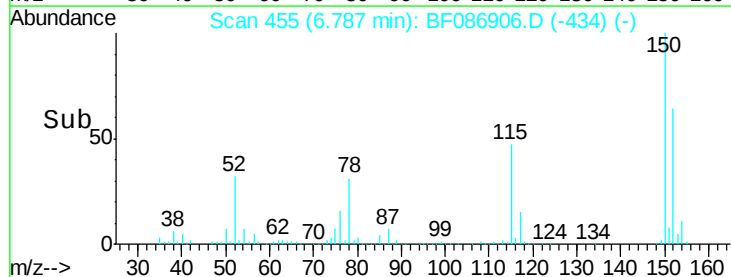
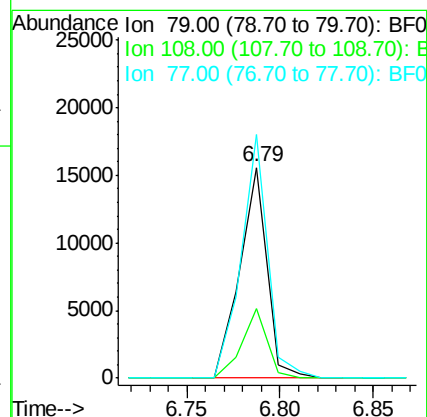
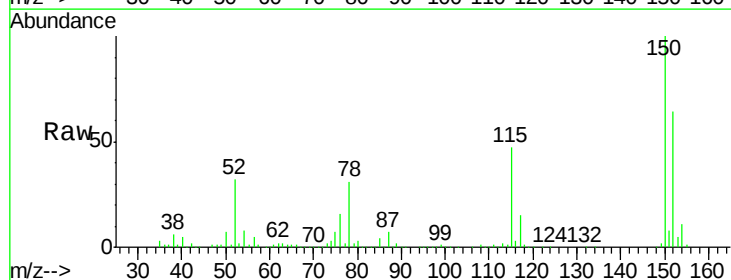
Tgt Ion: 79 Resp: 15949

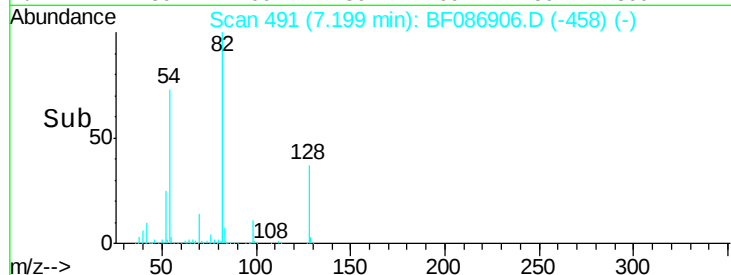
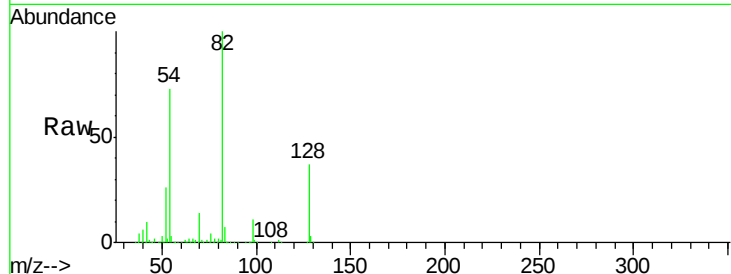
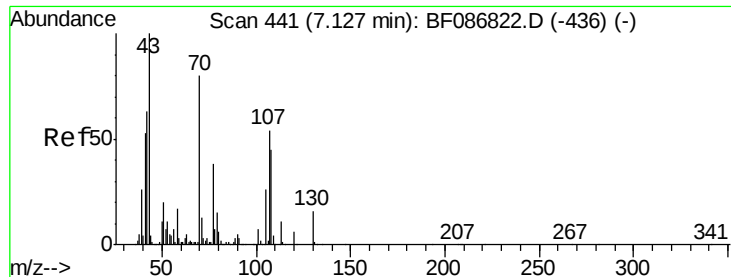
Ion Ratio Lower Upper

79 100

108 33.1 68.4 102.6#

77 115.4 50.6 76.0#

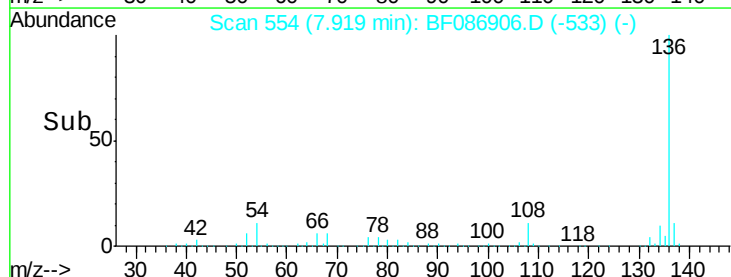
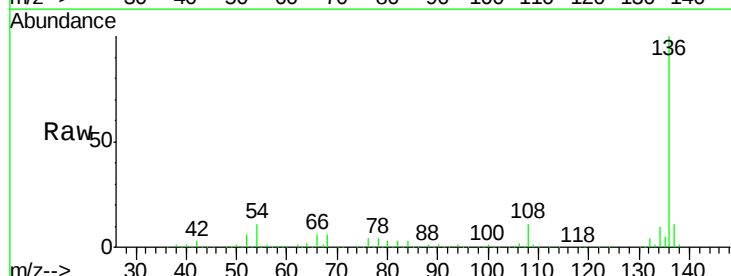
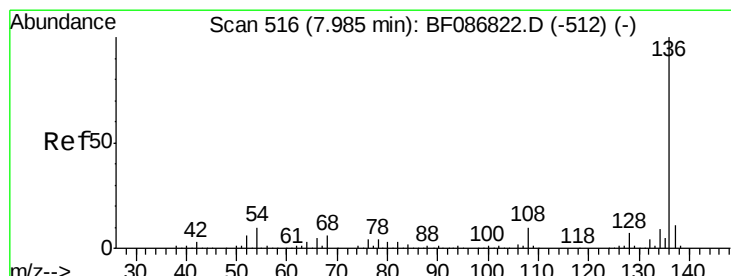
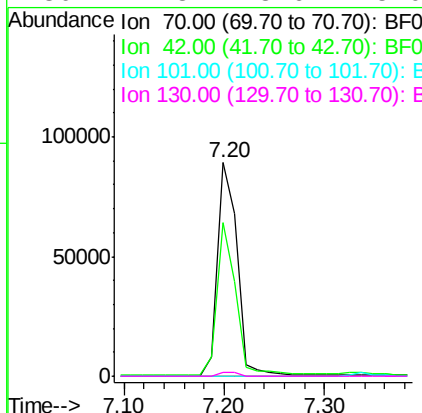




#19
n-Nitroso-di-n-propylamine
Concen: 15.25 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.07 min
Lab File: BF086906.D
Acq: 12 May 2016 00:00

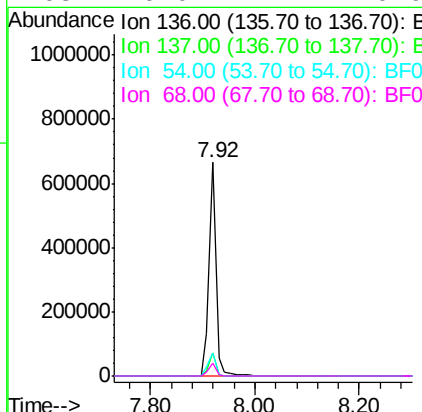
Instrument :
BNA_F
ClientSampled :
S-1

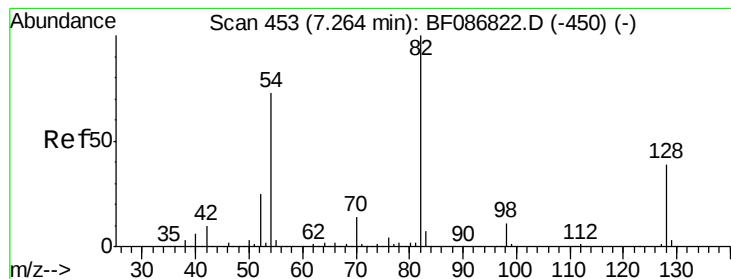
Tgt Ion: 70 Resp: 122796
Ion Ratio Lower Upper
70 100
42 72.1 43.1 64.7#
101 0.0 8.1 12.1#
130 1.8 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.07 min
Lab File: BF086906.D
Acq: 12 May 2016 00:00

Tgt Ion: 136 Resp: 614231
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.6 5.0 7.4#
68 6.0 4.4 6.6





#23

Nitrobenzene-d5

Concen: 73.30 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

Instrument :

BNA_F

ClientSampleId :

S-1

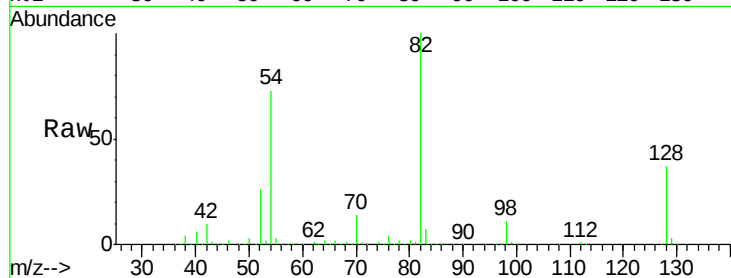
Tgt Ion: 82 Resp: 896634

Ion Ratio Lower Upper

82 100

128 37.1 40.6 61.0#

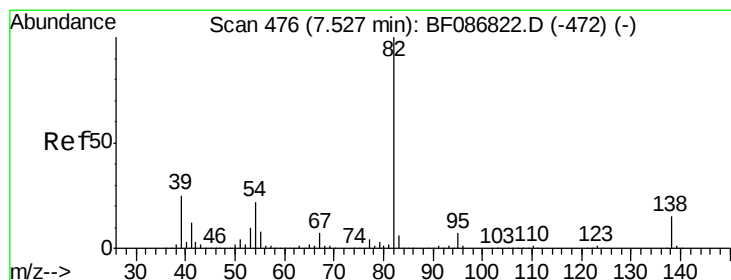
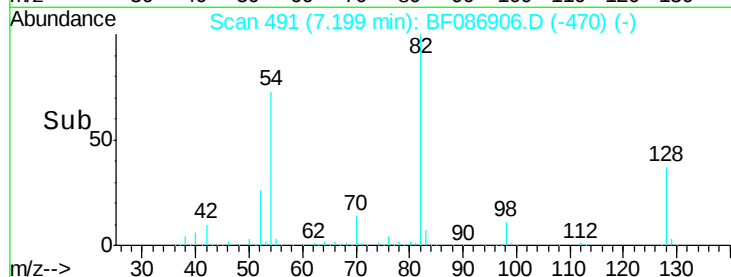
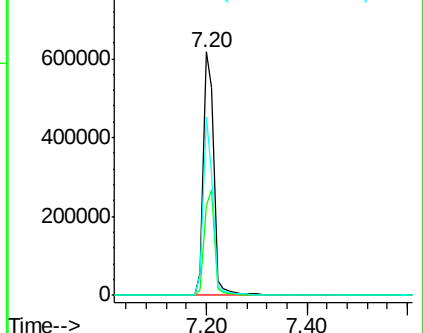
54 73.4 38.1 57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 37.33 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.33 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

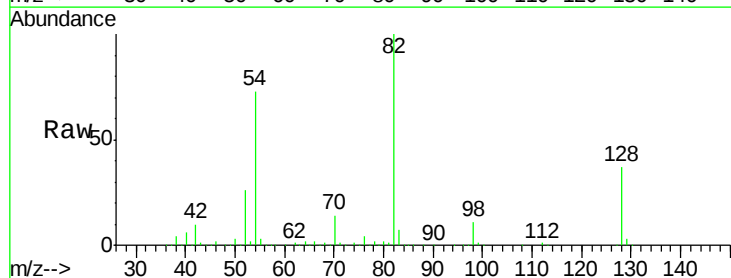
Tgt Ion: 82 Resp: 847193

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

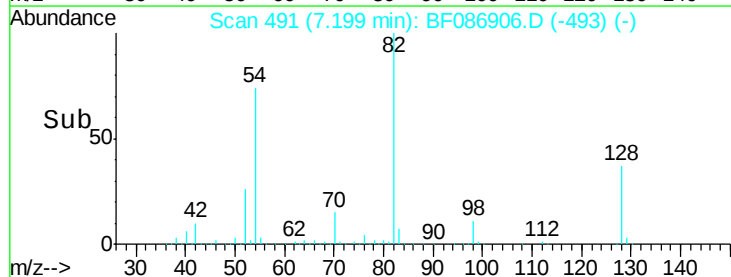
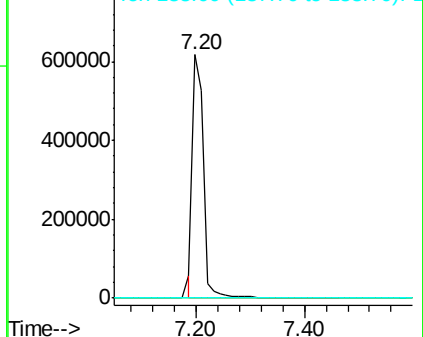
138 0.0 12.4 18.6#

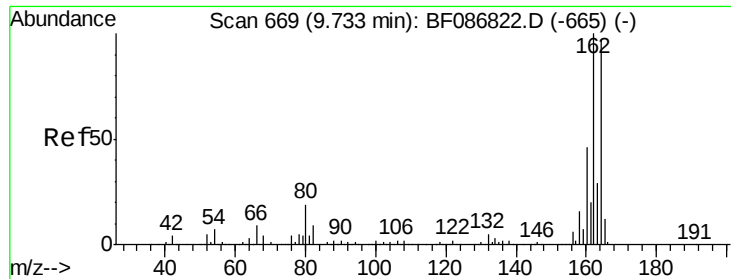


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

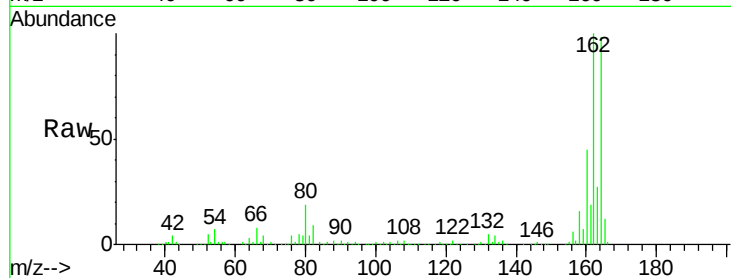




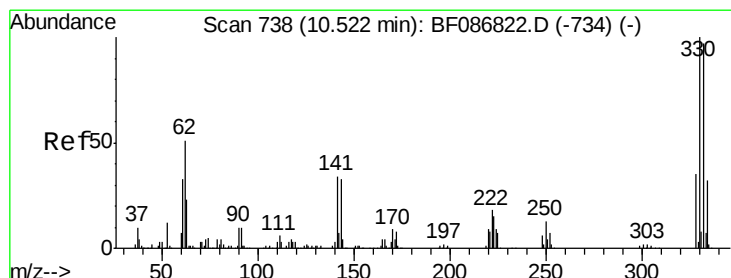
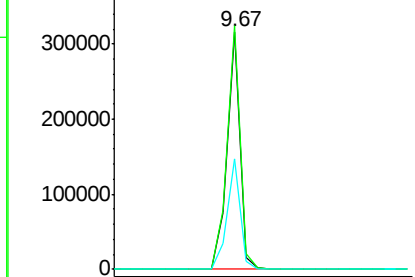
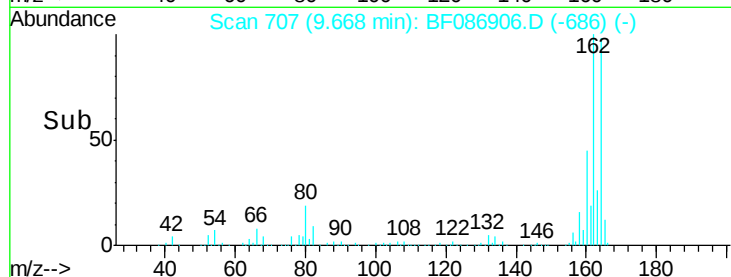
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.07 min
Lab File: BF086906.D
Acq: 12 May 2016 00:00

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:164 Resp: 284806
Ion Ratio Lower Upper
164 100
162 102.4 82.8 124.2
160 46.5 36.9 55.3

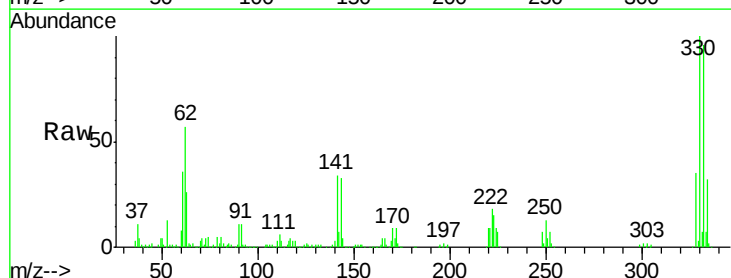


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

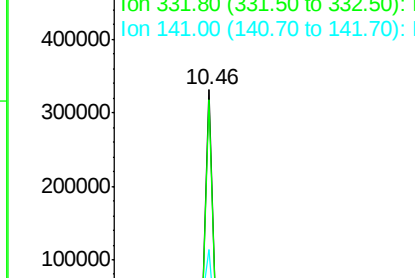
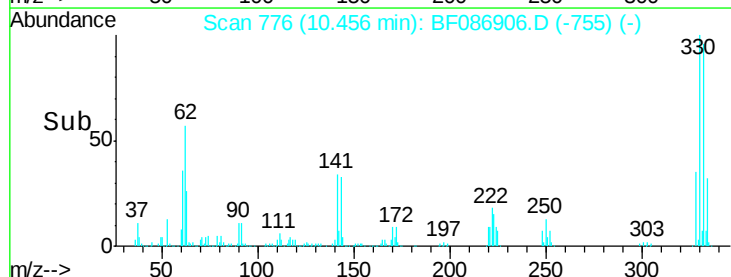


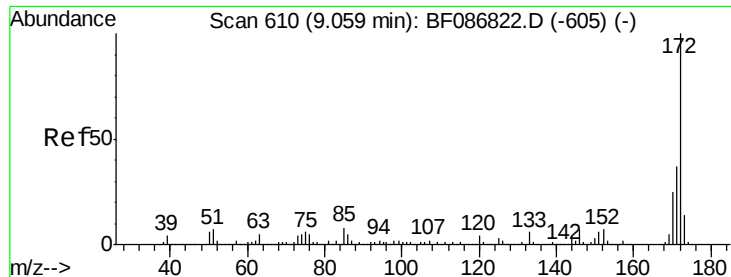
#41
2,4,6-Tribromophenol
Concen: 101.97 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.07 min
Lab File: BF086906.D
Acq: 12 May 2016 00:00

Tgt Ion:330 Resp: 307466
Ion Ratio Lower Upper
330 100
332 96.0 79.0 118.4
141 39.5 31.2 46.8



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

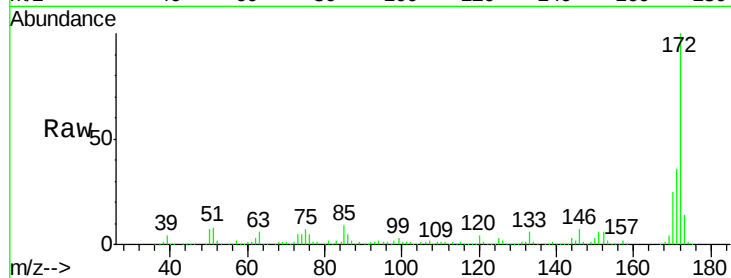




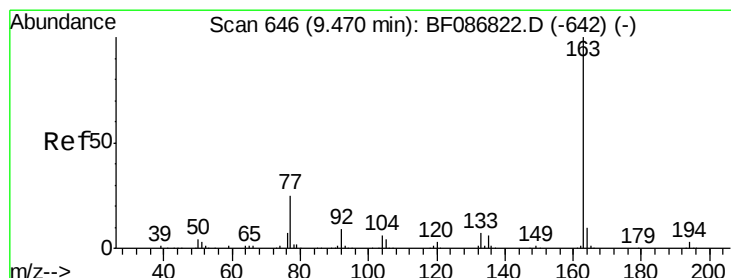
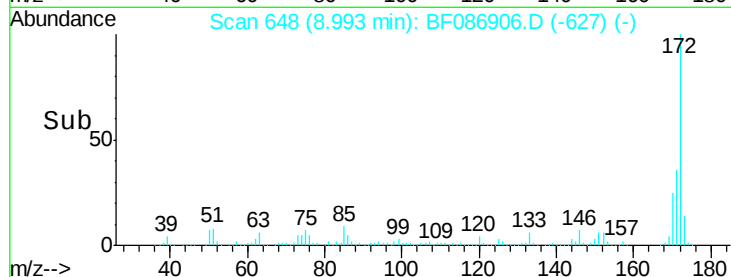
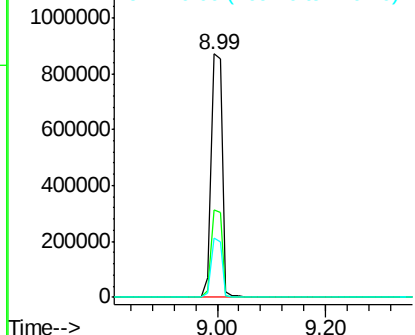
#44
 2-Fluorobiphenyl
 Concen: 74.82 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF086906.D
 Acq: 12 May 2016 00:00

Instrument :
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 ClientSampled :
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Tgt Ion:172 Resp: 1267906
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 24.6 19.8 29.8

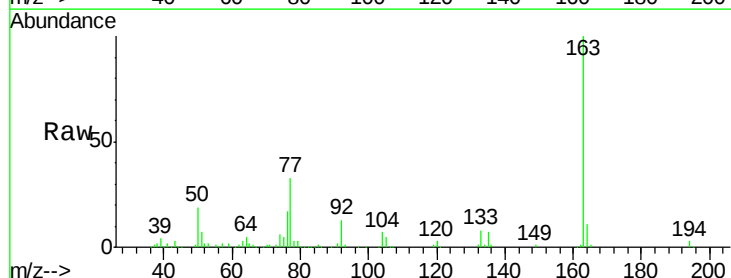


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

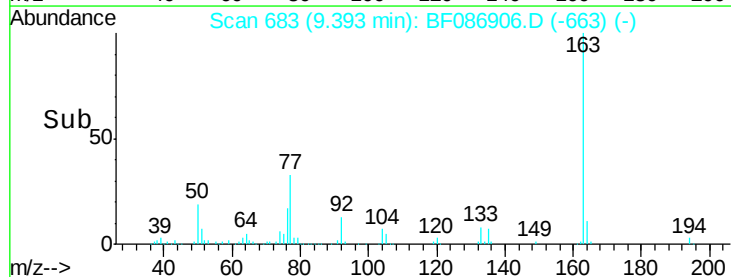
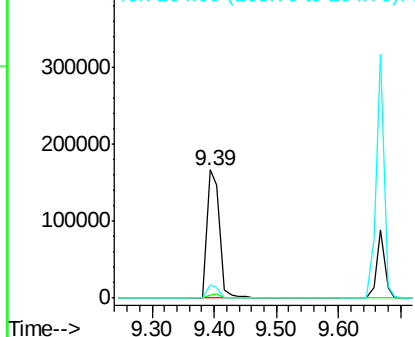


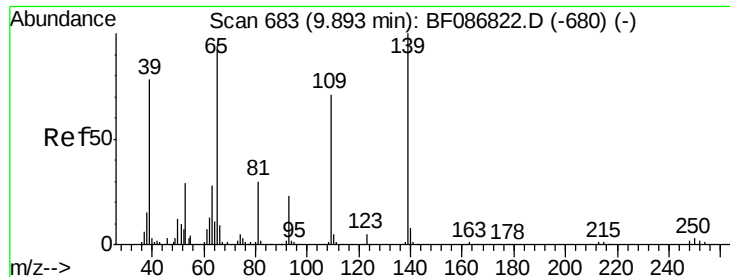
#49
 Dimethylphthalate
 Concen: 10.77 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.08 min
 Lab File: BF086906.D
 Acq: 12 May 2016 00:00

Tgt Ion:163 Resp: 233930
 Ion Ratio Lower Upper
 163 100
 194 2.7 2.6 4.0
 164 10.7 8.2 12.4



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





#55

4-Nitrophenol

Concen: 4.88 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

Instrument :

BNA_F

ClientSampled :

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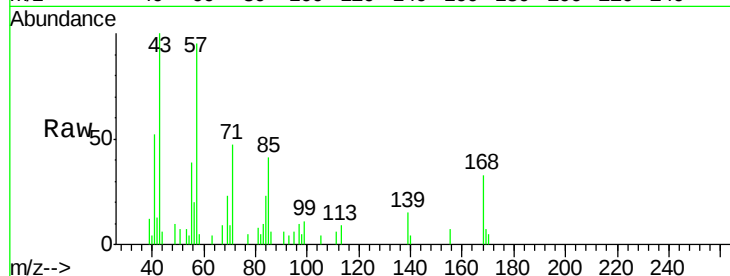
Tgt Ion:139 Resp: 1097

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

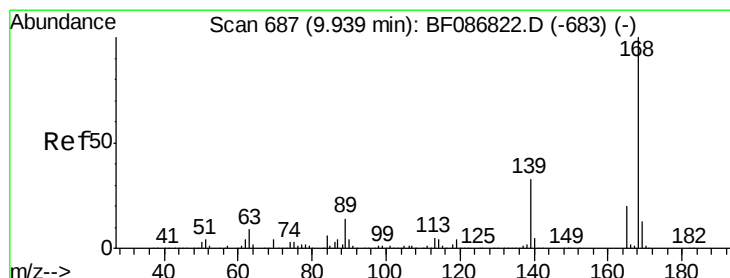
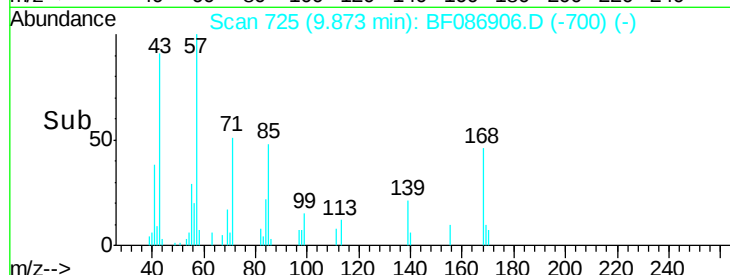
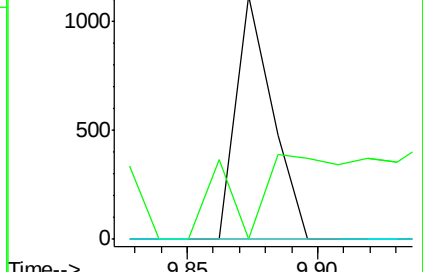
65 0.0 64.0 104.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.27 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.27 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

Tgt Ion:165 Resp: 35460

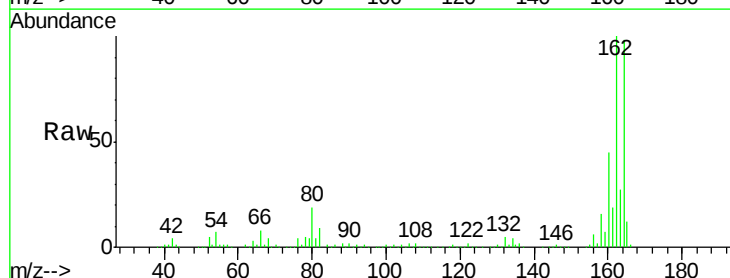
Ion Ratio Lower Upper

165 100

63 1.9 44.3 66.5#

89 1.9 70.0 105.0#

182 0.0 1.8 2.6#

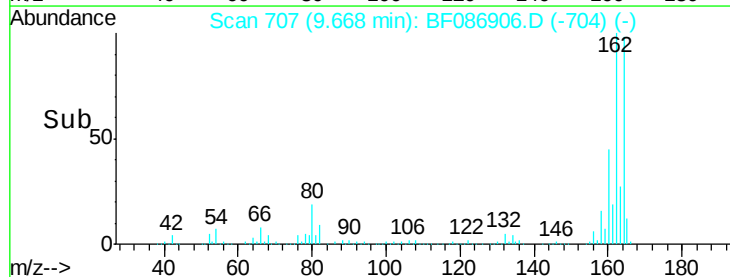
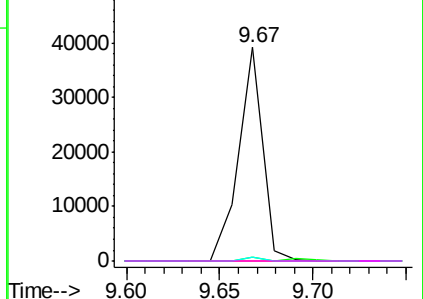


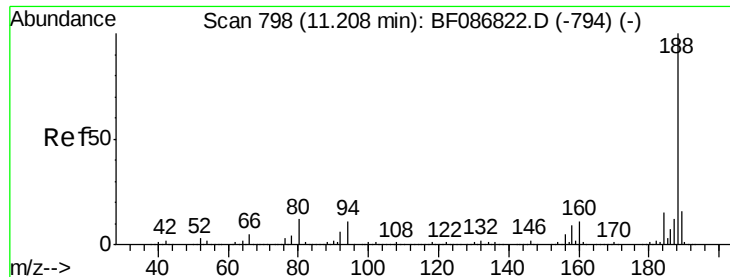
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

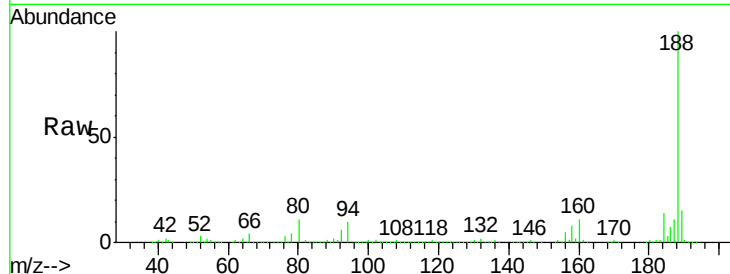




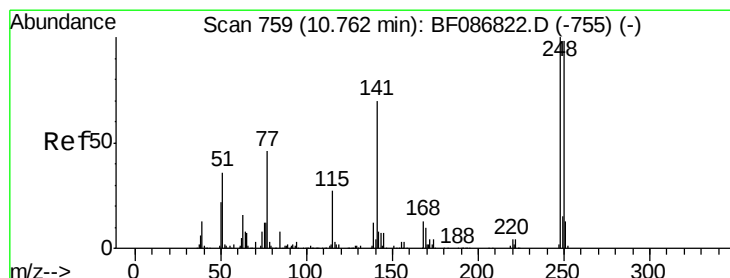
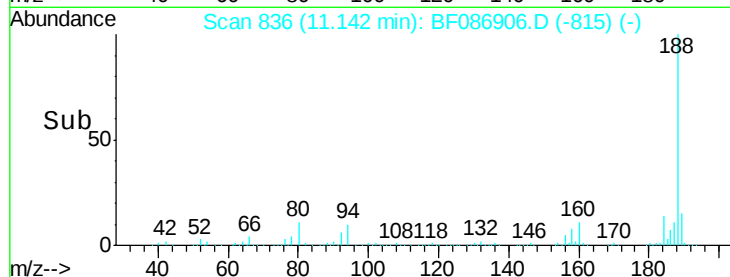
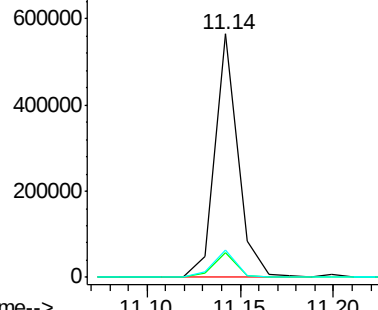
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.07 min
Lab File: BF086906.D
Acq: 12 May 2016 00:00

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:188 Resp: 486145
Ion Ratio Lower Upper
188 100
94 10.2 6.8 10.2#
80 11.1 7.1 10.7#

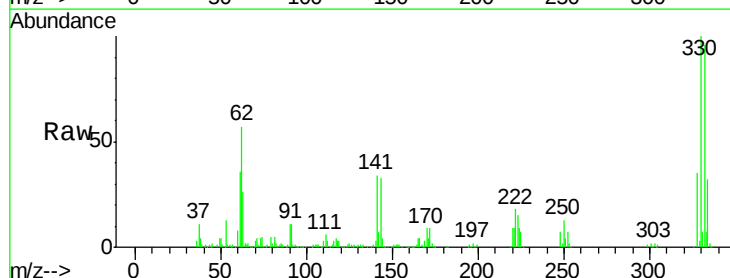


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

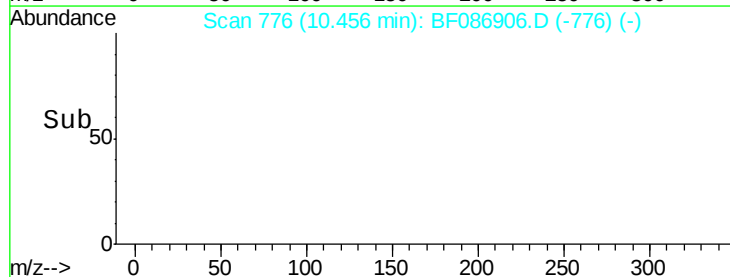
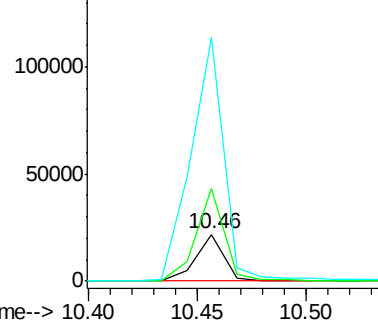


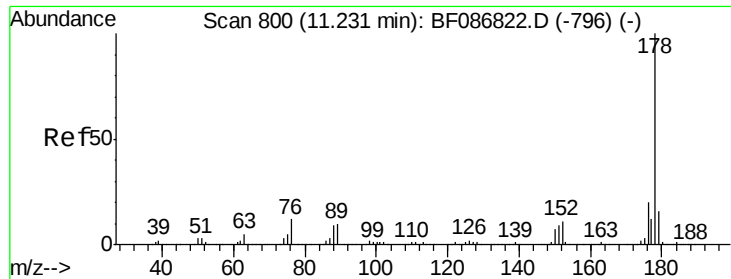
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.31 min
Lab File: BF086906.D
Acq: 12 May 2016 00:00

Tgt Ion:248 Resp: 19611
Ion Ratio Lower Upper
248 100
250 198.8 78.6 117.8#
141 520.4 76.0 114.0#



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





#70

Phenanthrene

Concen: 2.19 ng

RT: 11.17 min Scan# 838

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

Instrument :

BNA_F

ClientSampleId :

S-1

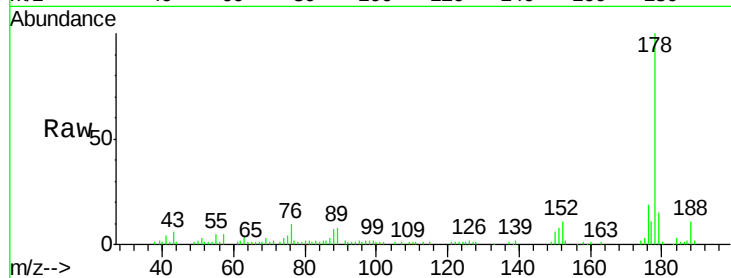
Tgt Ion:178 Resp: 56915

Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

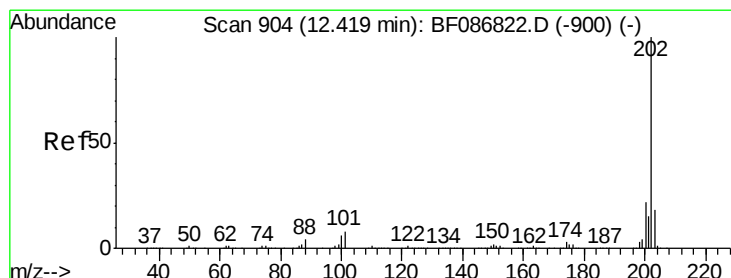
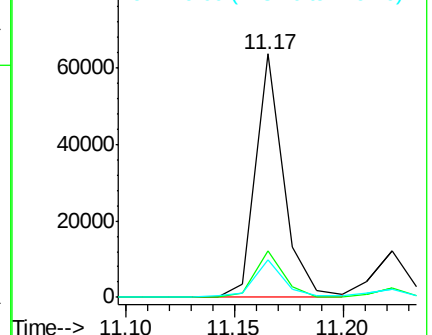
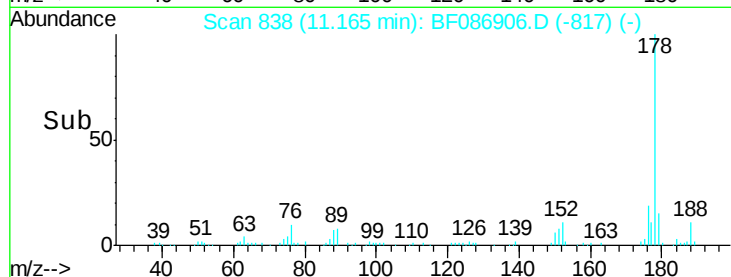
179 15.4 12.6 18.8



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: 5.50 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

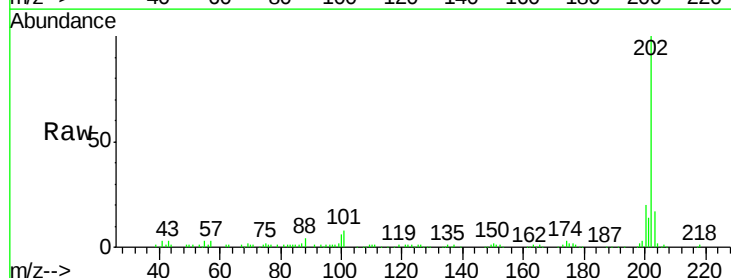
Tgt Ion:202 Resp: 146720

Ion Ratio Lower Upper

202 100

101 7.9 0.0 35.4

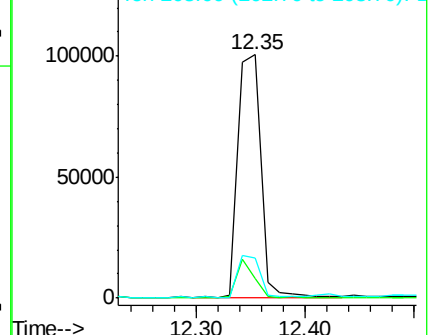
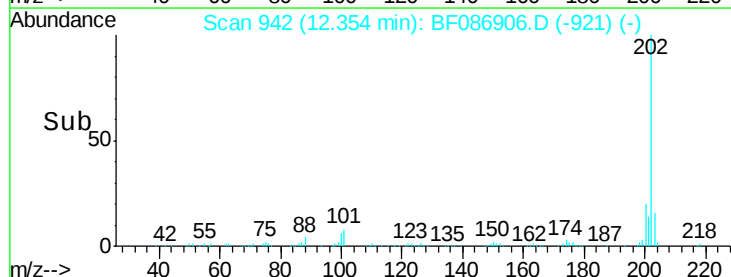
203 16.6 0.0 38.1

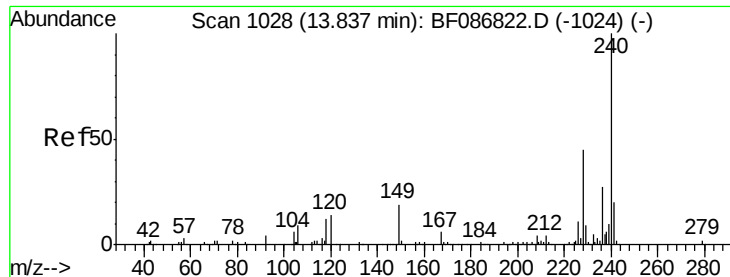


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.77 min Scan# 1066

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

Instrument :

BNA_F

ClientSampleId :

S-1

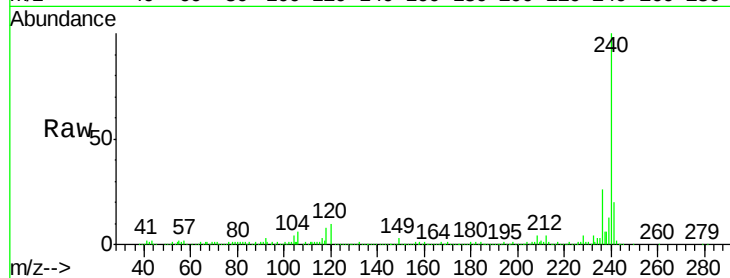
Tgt Ion:240 Resp: 319708

Ion Ratio Lower Upper

240 100

120 9.6 11.2 16.8#

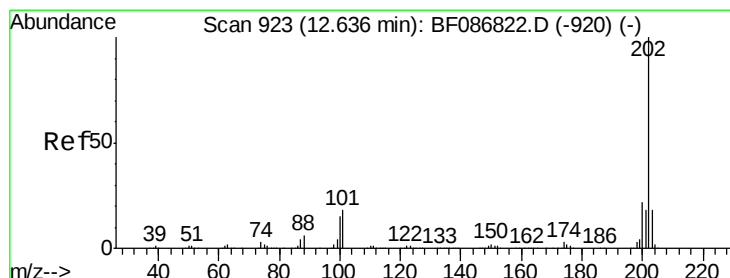
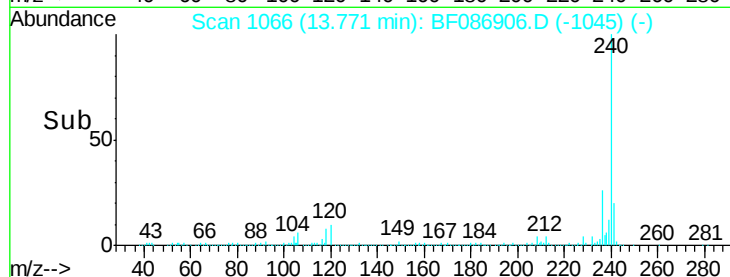
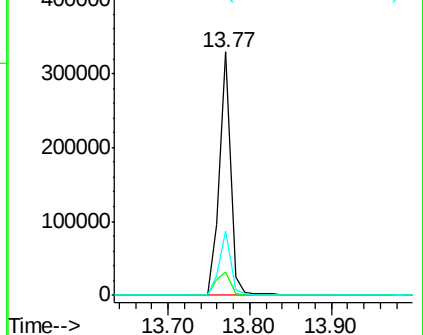
236 26.2 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.47 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

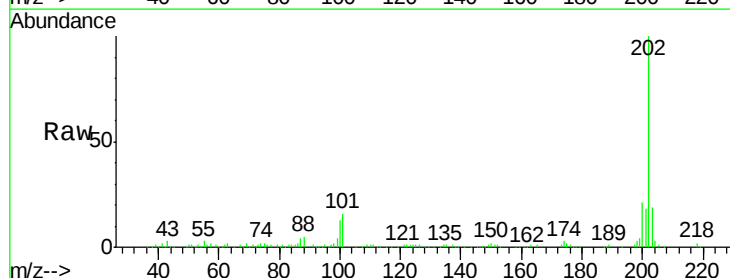
Tgt Ion:202 Resp: 133801

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

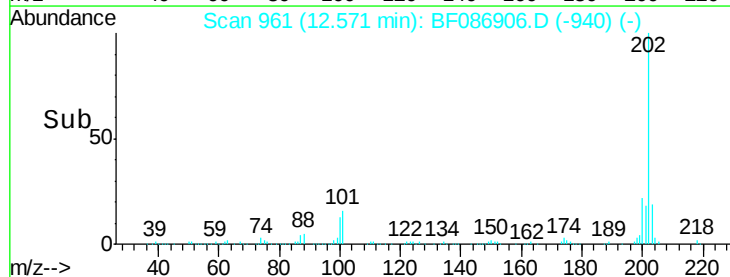
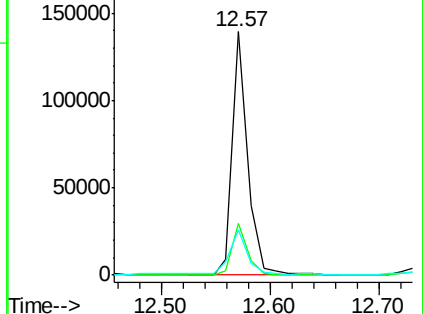
203 18.7 14.2 21.4

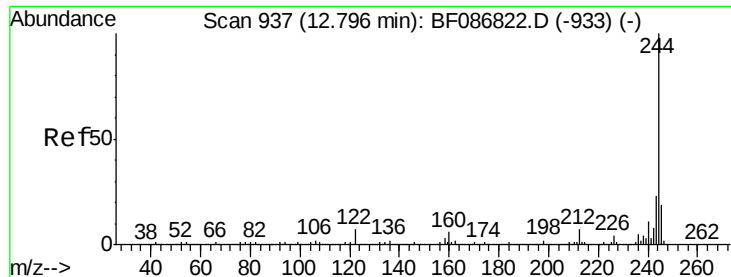


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

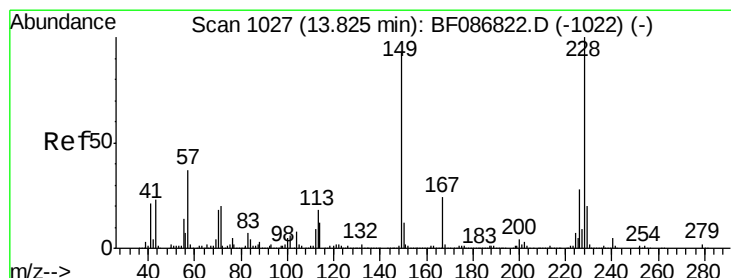
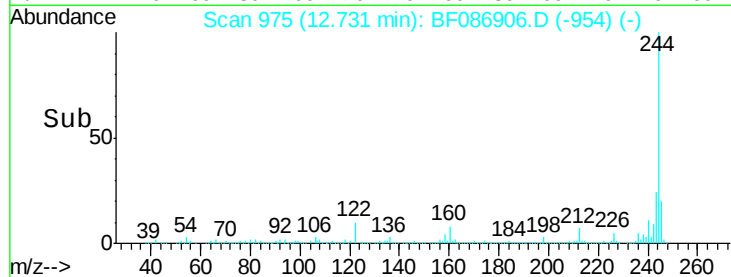
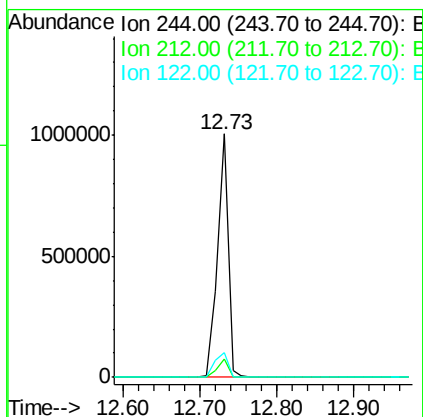
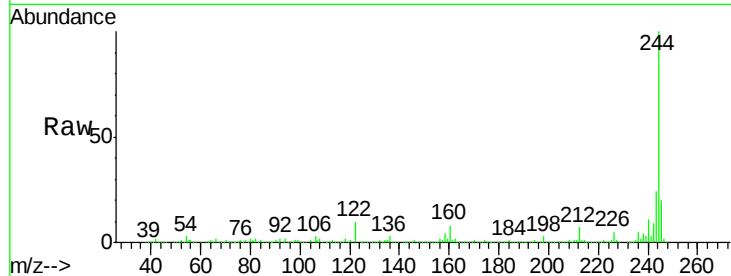




#78
 Terphenyl-d14
 Concen: 64.48 ng
 RT: 12.73 min Scan# 975
 Delta R.T. -0.07 min
 Lab File: BF086906.D
 Acq: 12 May 2016 00:00

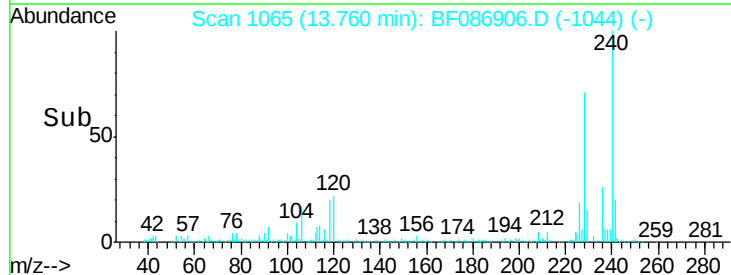
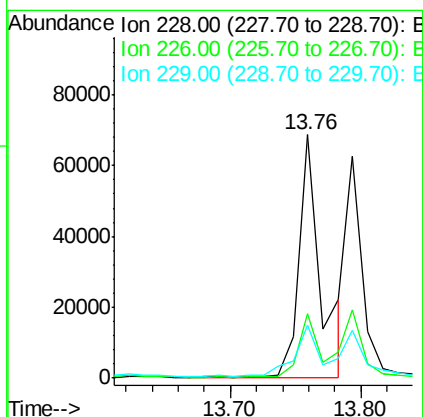
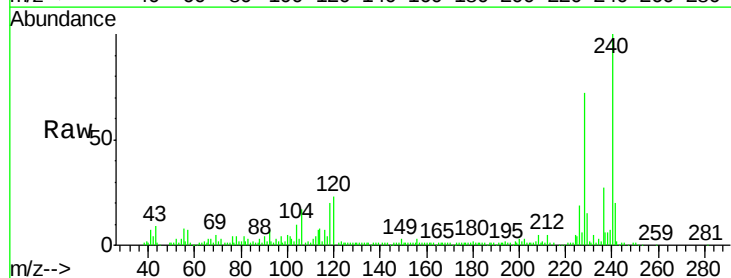
Instrument :
 BNA_F
 ClientSampleID :
 S-1

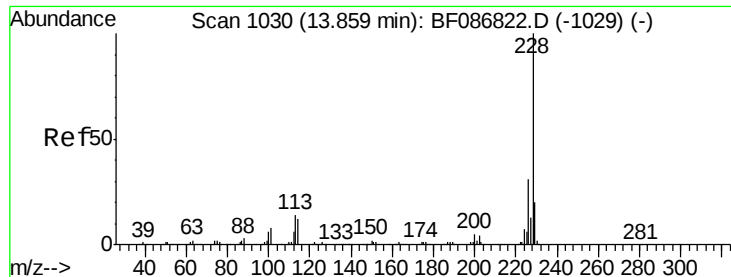
Tgt Ion:244 Resp: 971567
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 10.0 12.0 18.0#



#80
 Benzo(a)anthracene
 Concen: 4.54 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. -0.07 min
 Lab File: BF086906.D
 Acq: 12 May 2016 00:00

Tgt Ion:228 Resp: 81535
 Ion Ratio Lower Upper
 228 100
 226 26.6 22.5 33.7
 229 21.6 16.6 25.0





#82

Chrysene

Concen: 3.04 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

Instrument :

BNA_F

ClientSampleId :

S-1

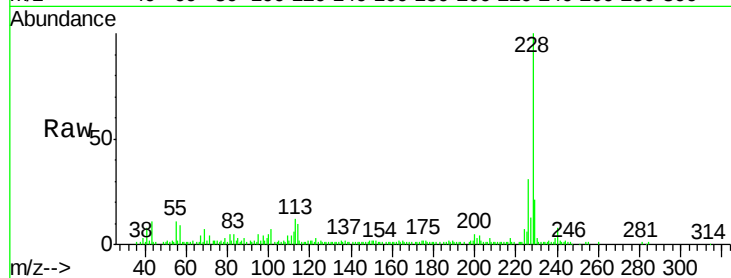
Tgt Ion: 228 Resp: 55423

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

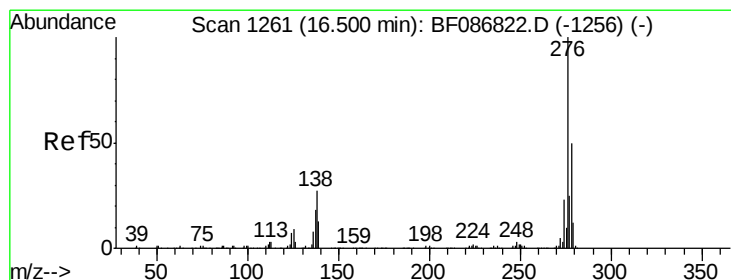
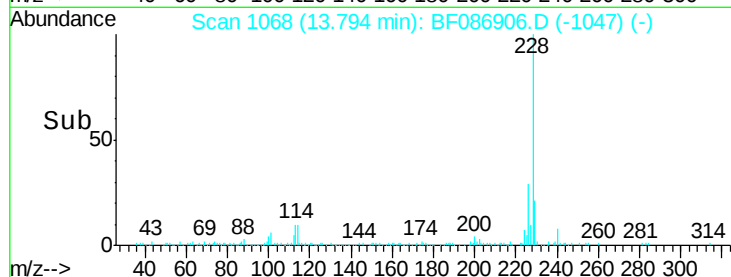
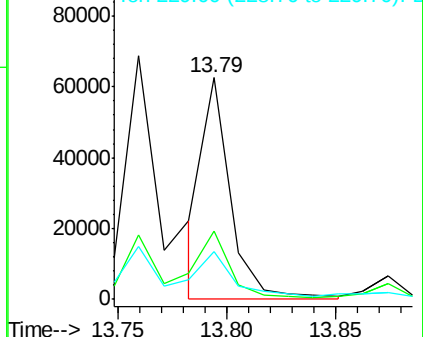
229 21.4 15.8 23.8



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: 2.56 ng

RT: 16.39 min Scan# 1295

Delta R.T. -0.11 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

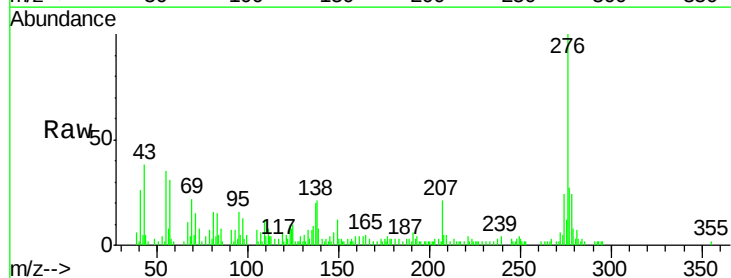
Tgt Ion: 276 Resp: 38842

Ion Ratio Lower Upper

276 100

138 25.6 25.6 38.4

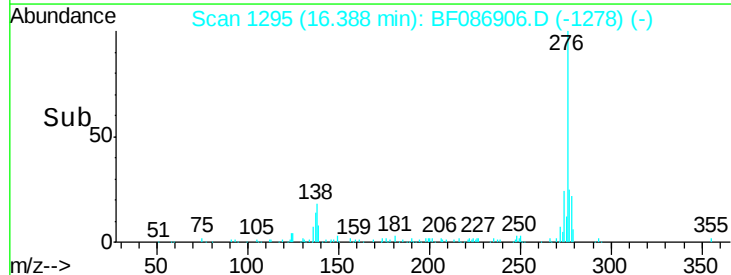
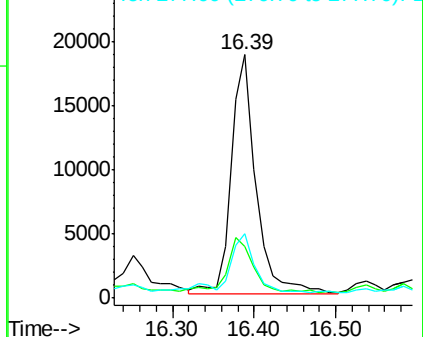
277 24.3 20.5 30.7

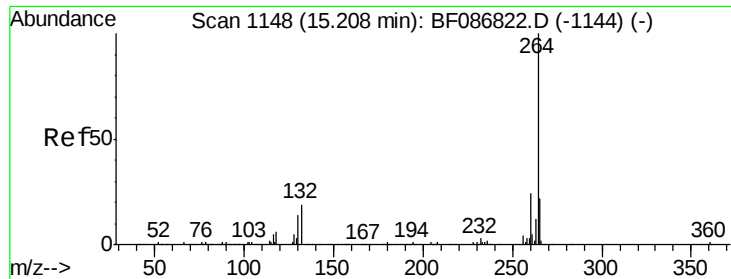


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.08 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

Instrument :

BNA_F

ClientSampleId :

S-1

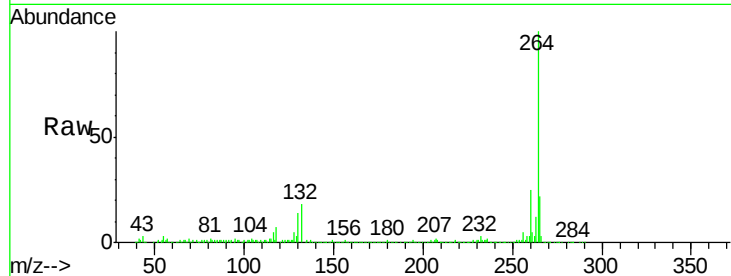
Tgt Ion:264 Resp: 294537

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

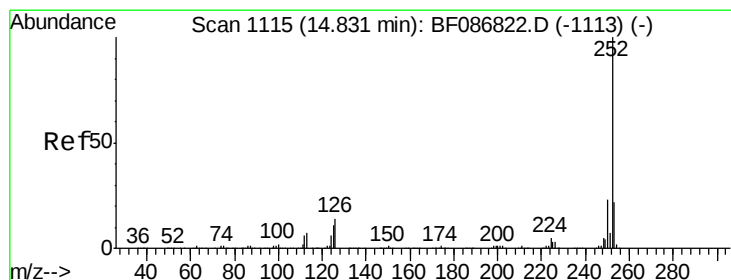
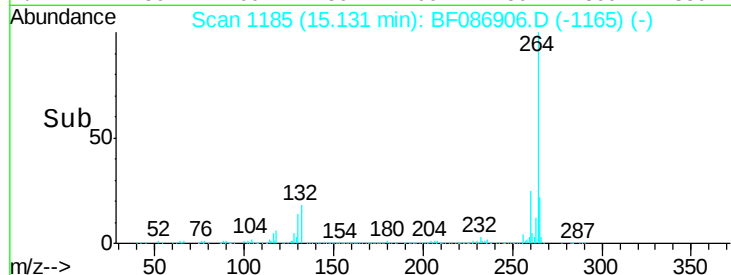
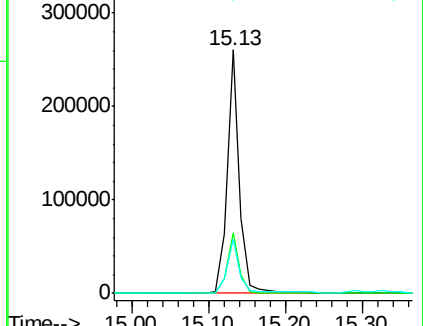
265 22.0 17.3 25.9



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: 6.24 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.07 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

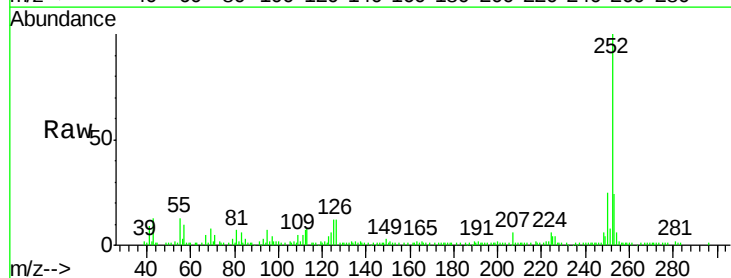
Tgt Ion:252 Resp: 119502

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

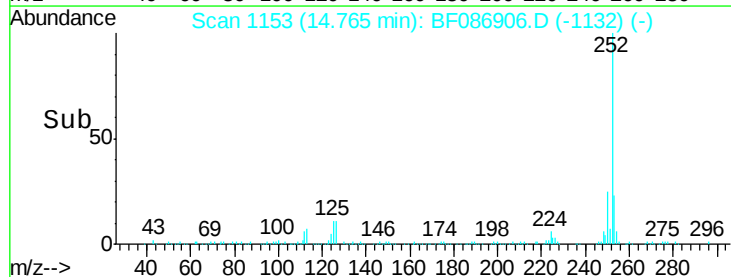
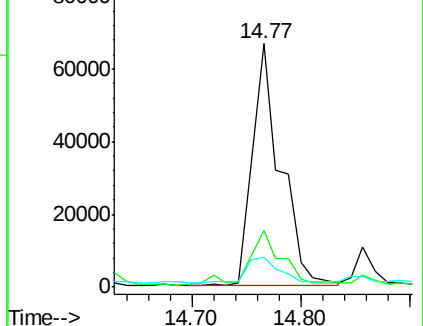
125 12.4 11.4 17.0

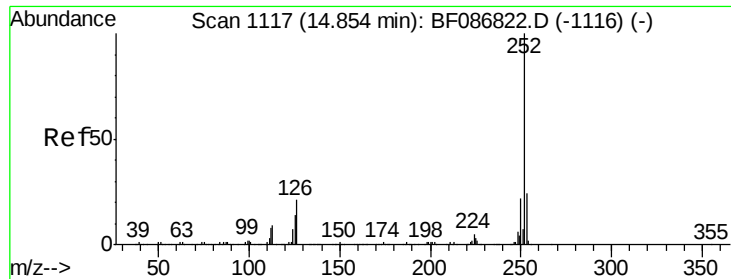


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

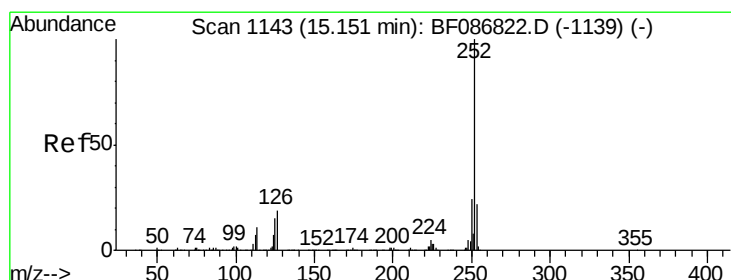
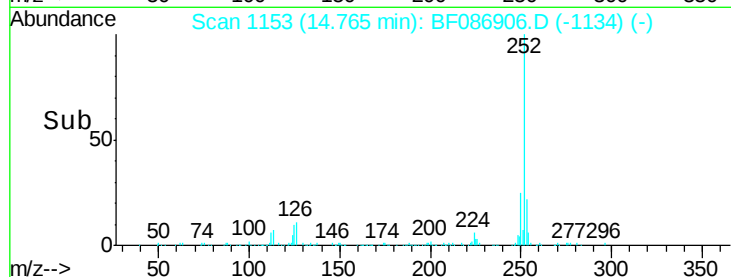
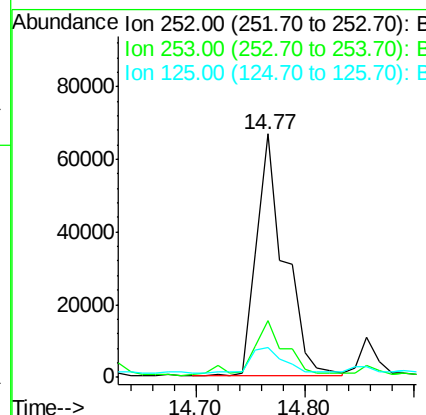
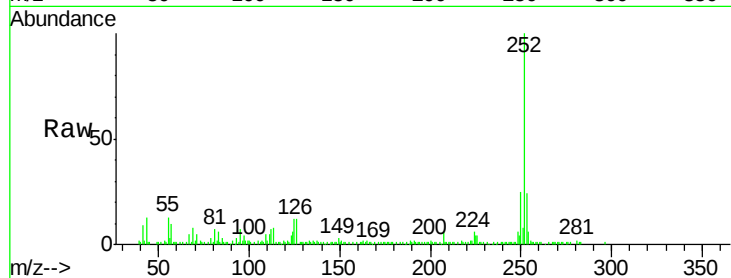




#88
Benzo(k)fluoranthene
Concen: 7.62 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.09 min
Lab File: BF086906.D
Acq: 12 May 2016 00:00

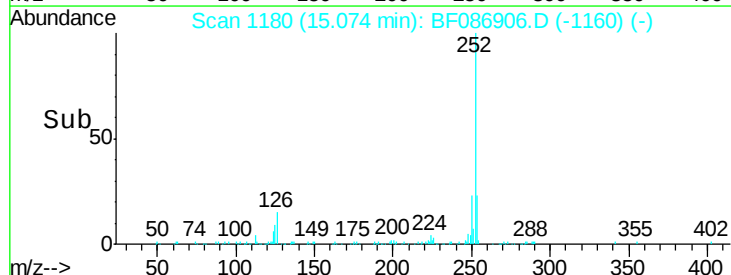
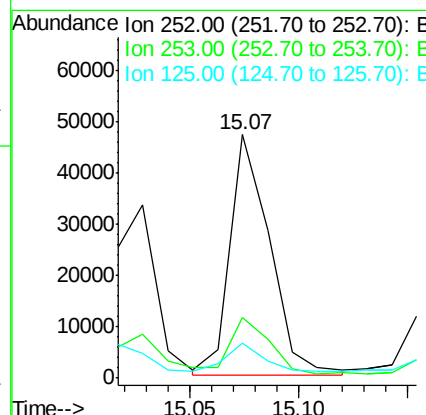
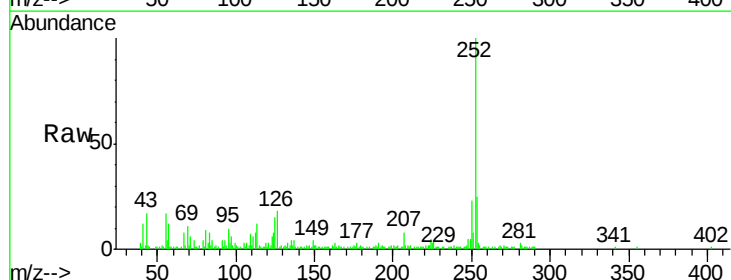
Instrument :
BNA_F
ClientSampleId :
S-1

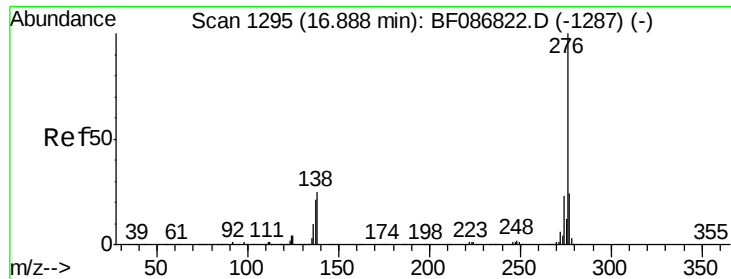
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.4	9.1	13.7



#89
Benzo(a)pyrene
Concen: 3.61 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.08 min
Lab File: BF086906.D
Acq: 12 May 2016 00:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	14.5	9.0	13.6





#91

Benzo(g,h,i)perylene

Concen: 2.61 ng

RT: 16.75 min Scan# 1327

Delta R.T. -0.13 min

Lab File: BF086906.D

Acq: 12 May 2016 00:00

Instrument :

BNA_F

ClientSampleId :

S-1

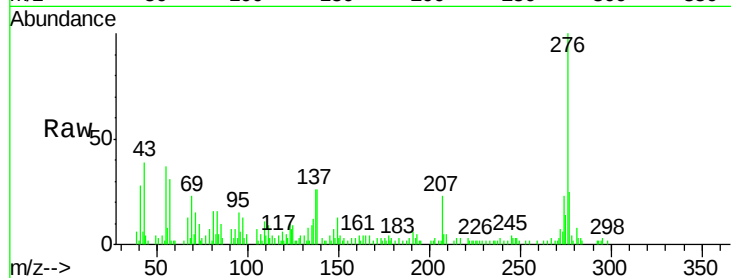
Tgt Ion: 276 Resp: 36908

Ion Ratio Lower Upper

276 100

277 25.4 19.6 29.4

138 25.8 23.6 35.4



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

