

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086803.D
 Acq On : 8 May 2016 5:15
 Operator : UM/SJ
 Sample : H2720-20
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D02

Quant Time: May 09 00:55:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	200040	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	787674	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	361848	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	652577	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	418303	40.00	ng	-0.03
86) Perylene-d12	15.23	264	358982	40.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	1231254	101.90	ng	-0.01
7) Phenol-d6	6.37	99	1883639	115.72	ng	0.00
23) Nitrobenzene-d5	7.28	82	1181786	77.10	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	446366	126.10	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1817538	82.34	ng	-0.03
78) Terphenyl-d14	12.81	244	1367557	66.07	ng	-0.03

Target Compounds

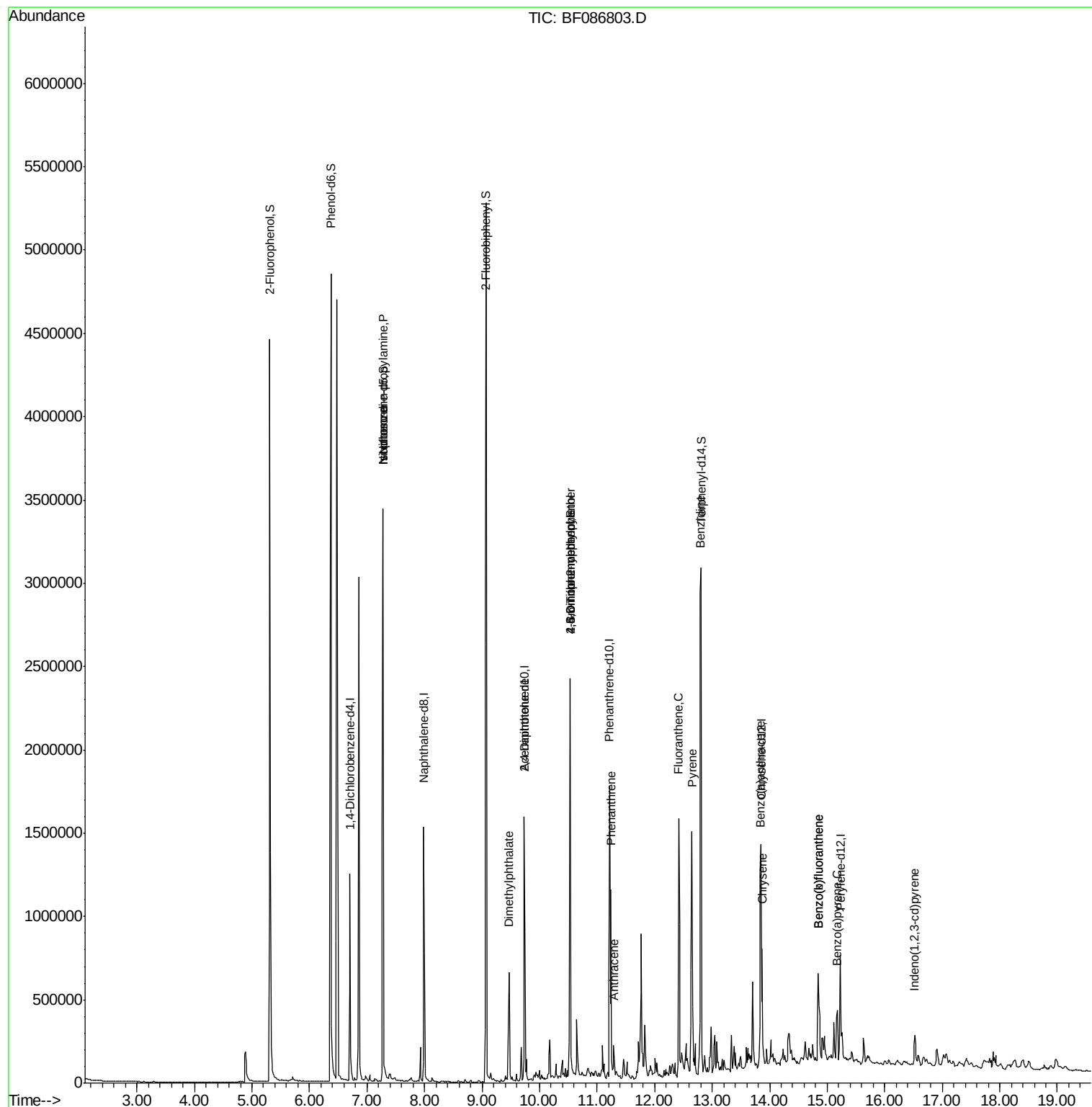
						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	171738	15.44	ng	# 72
25) Isophorone	7.28	82	1153820	40.42	ng	# 68
49) Dimethylphthalate	9.47	163	295405	10.95	ng	99
56) 2,4-Dinitrotoluene	9.73	165	46071	6.42	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.53	198	1026	5.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	26047	4.02	ng	# 1
70) Phenanthrene	11.24	178	434951	12.41	ng	99
71) Anthracene	11.29	178	98564	2.69	ng	97
74) Fluoranthene	12.42	202	733555	20.88	ng	99
76) Benzidine	12.80	184	21110	8.66	ng	99
77) Pyrene	12.65	202	592517	17.77	ng	99
80) Benzo(a)anthracene	13.84	228	311687	13.17	ng	99
82) Chrysene	13.87	228	215896	8.55	ng	97
85) Indeno(1,2,3-cd)pyrene	16.52	276	102347	4.73	ng	95
87) Benzo(b)fluoranthene	14.84	252	364940	16.92	ng	97
88) Benzo(k)fluoranthene	14.84	252	364940	17.96	ng	98
89) Benzo(a)pyrene	15.17	252	172391	8.68	ng	96

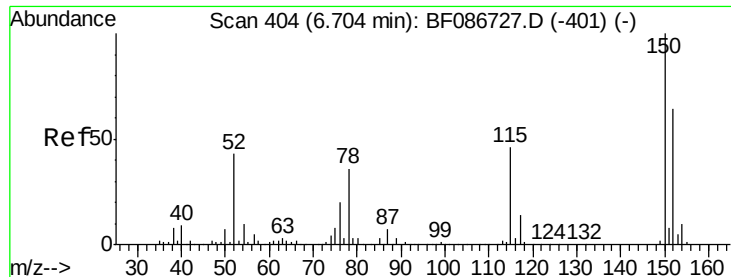
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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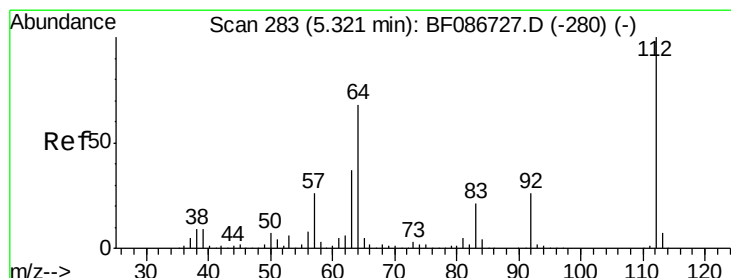
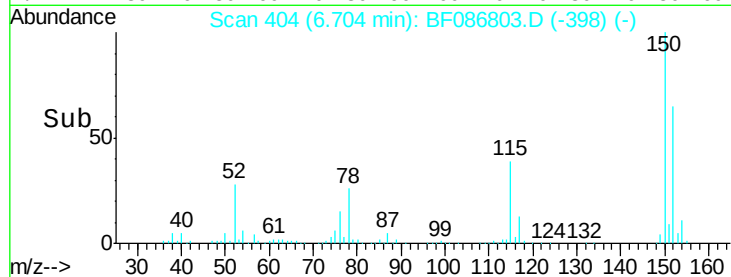
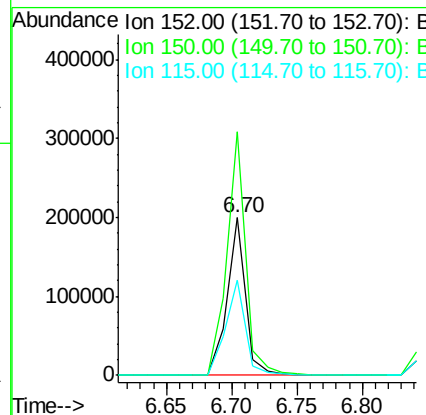
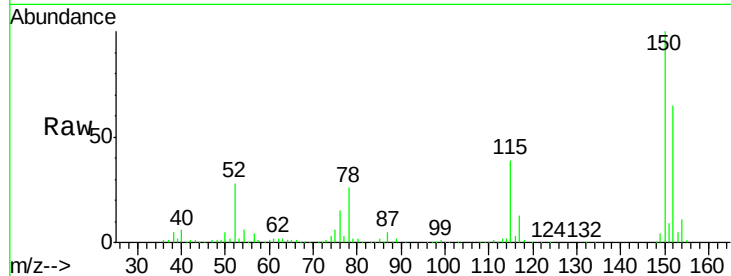


#1

1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Instrument :
BNA_F
ClientSampleId :
TP-14D02

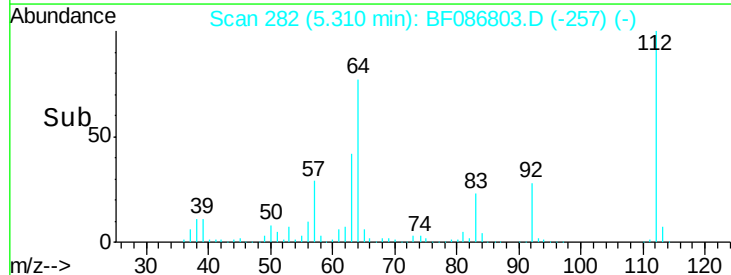
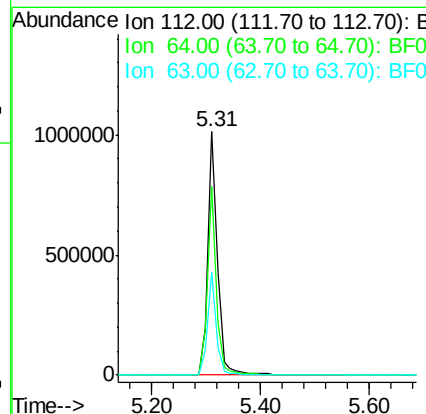
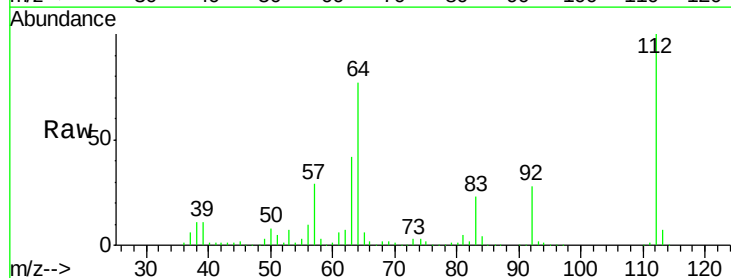
Tgt Ion:152 Resp: 200040
Ion Ratio Lower Upper
152 100
150 154.3 125.8 188.6
115 60.3 51.5 77.3

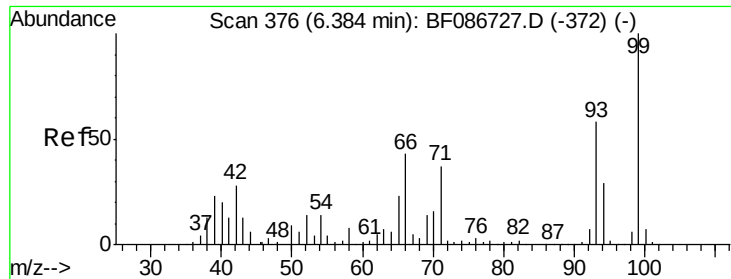


#5

2-Fluorophenol
Concen: 101.90 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Tgt Ion:112 Resp: 1231254
Ion Ratio Lower Upper
112 100
64 77.2 52.1 78.1
63 42.2 25.7 38.5#





#7

Phenol-d6

Concen: 115.72 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

ClientSampleId :

TP-14D02

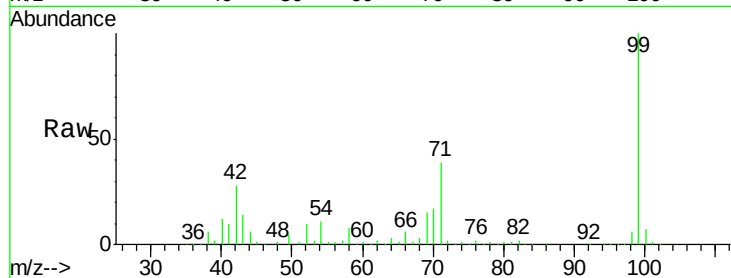
Tgt Ion: 99 Resp: 1883639

Ion Ratio Lower Upper

99 100

42 28.4 13.6 20.4#

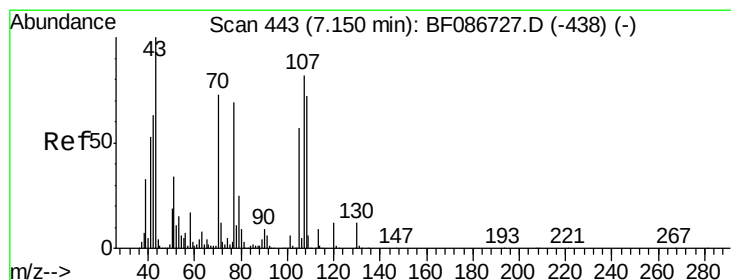
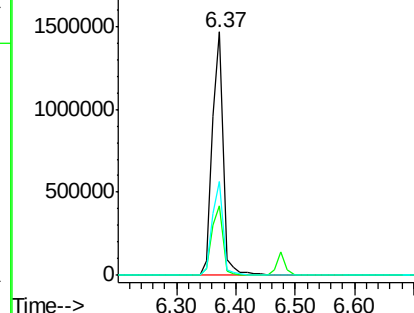
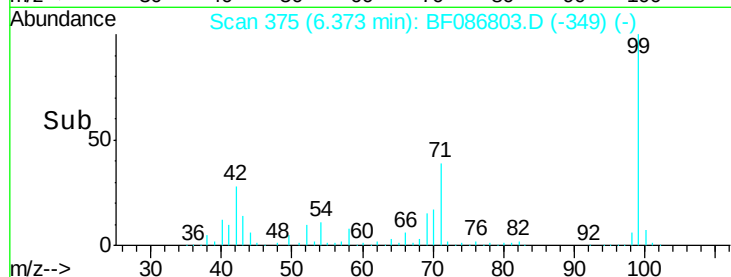
71 38.8 24.6 36.8#



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: 15.44 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.11 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Tgt Ion: 70 Resp: 171738

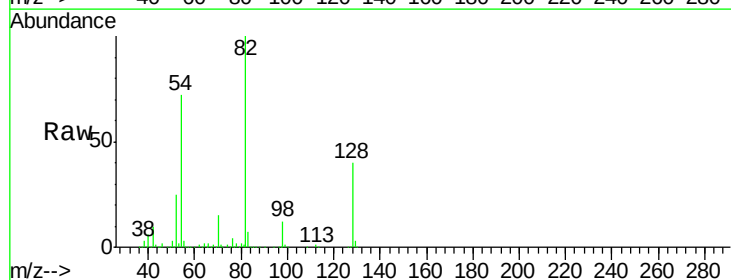
Ion Ratio Lower Upper

70 100

42 69.5 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

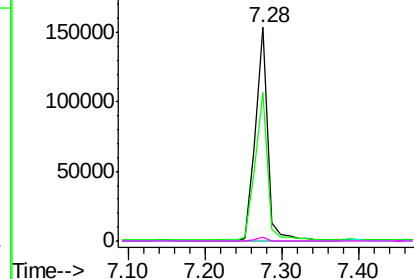
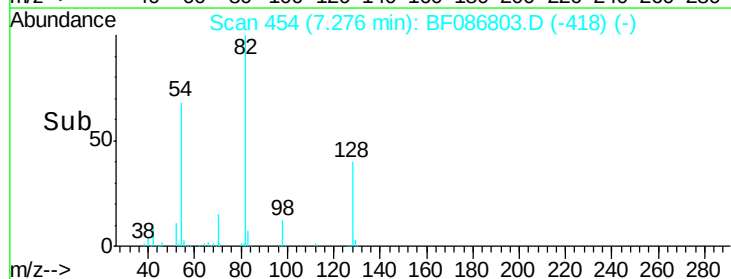


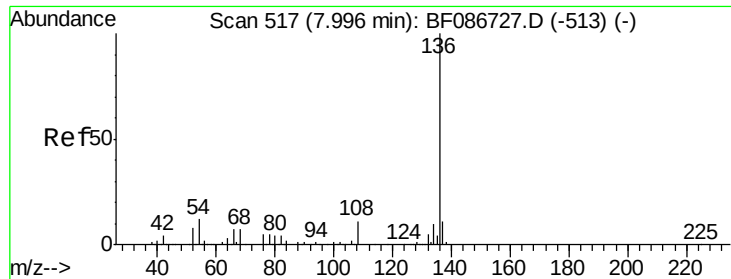
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 40.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

ClientSampleId :

TP-14D02

Tgt Ion: 136 Resp: 787674

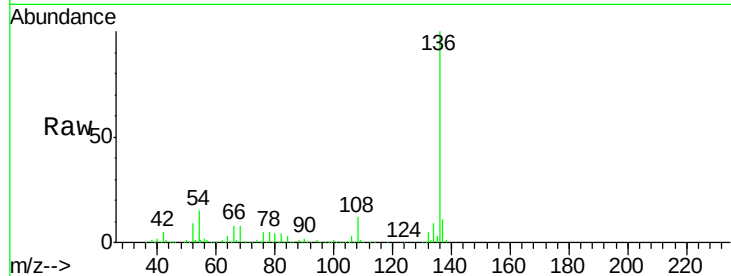
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 15.1 5.0 7.4#

68 8.1 4.4 6.6#

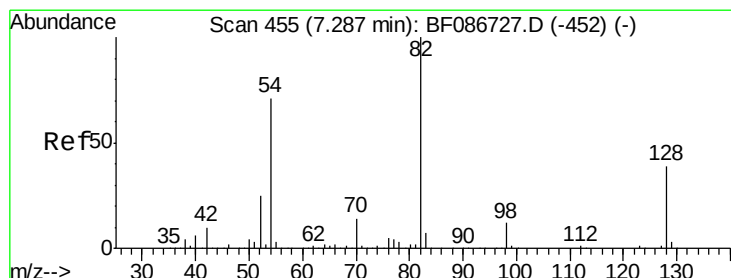
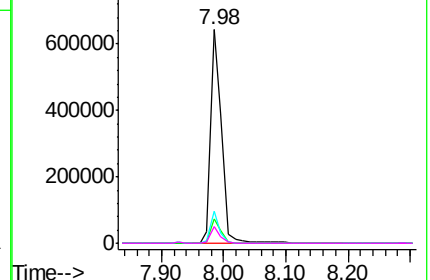
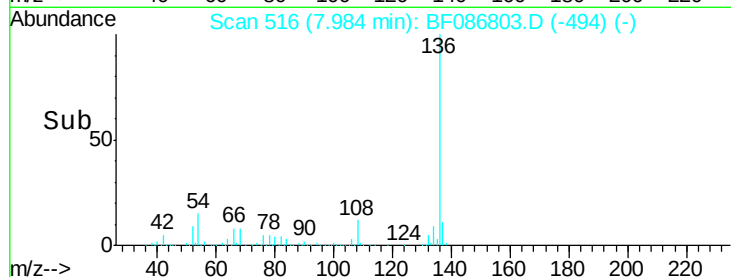


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.10 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

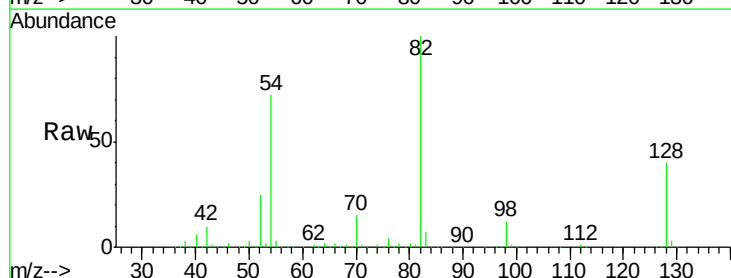
Tgt Ion: 82 Resp: 1181786

Ion Ratio Lower Upper

82 100

128 39.5 40.6 61.0#

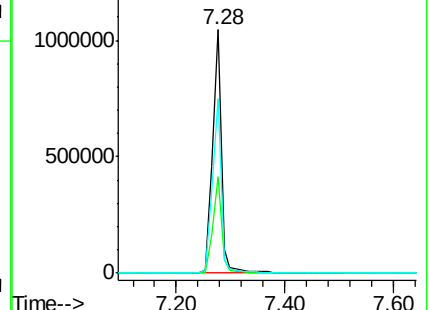
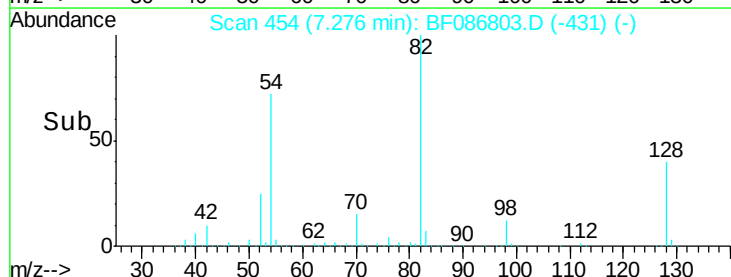
54 71.7 38.1 57.1#

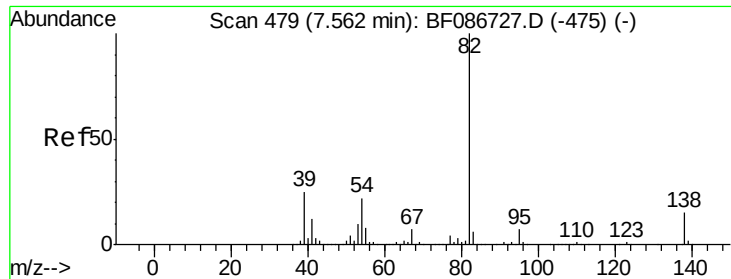


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.42 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.30 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

ClientSampled :

TP-14D02

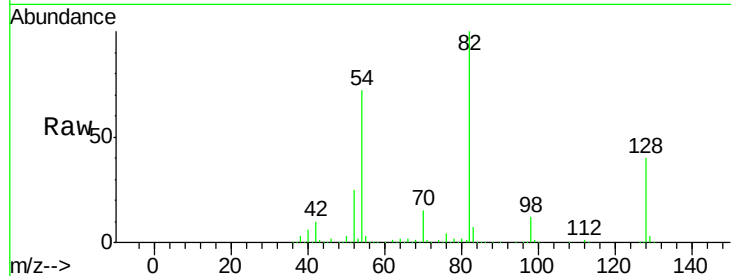
Tgt Ion: 82 Resp: 1153820

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

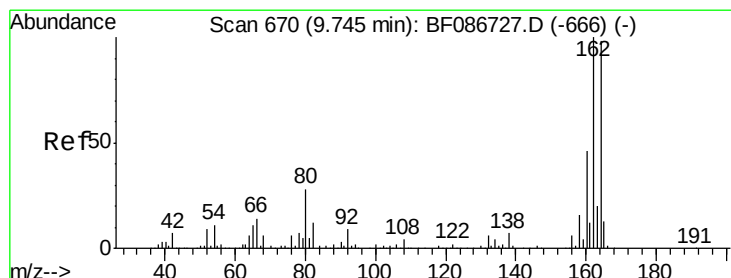
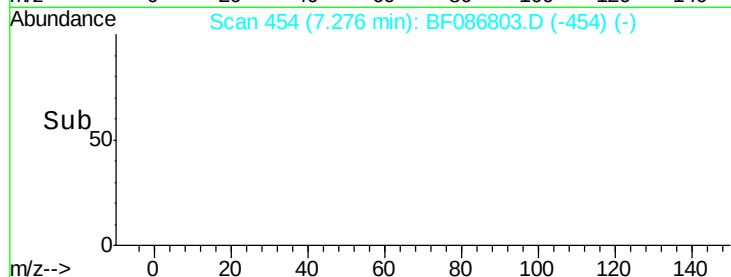
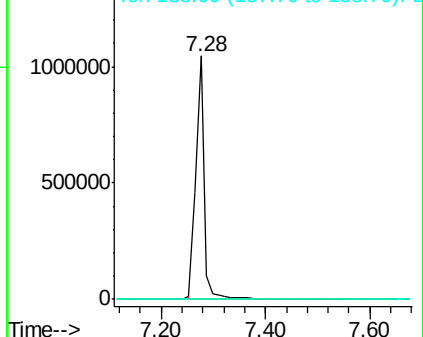
138 0.0 12.4 18.6#



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: 40.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

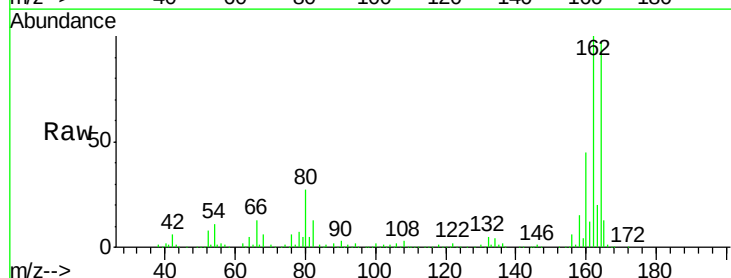
Tgt Ion: 164 Resp: 361848

Ion Ratio Lower Upper

164 100

162 103.2 82.8 124.2

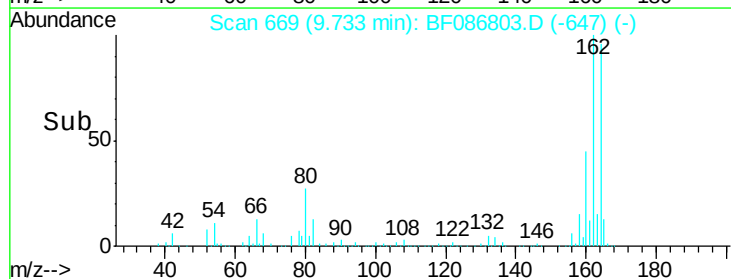
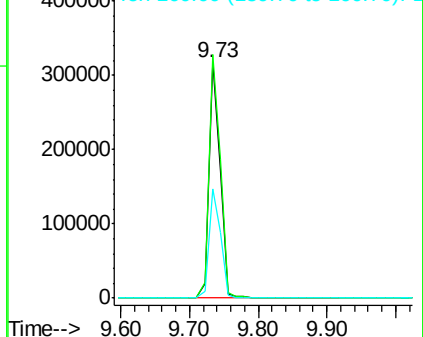
160 46.4 36.9 55.3

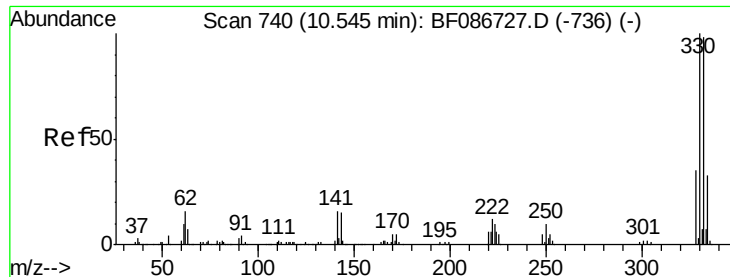


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

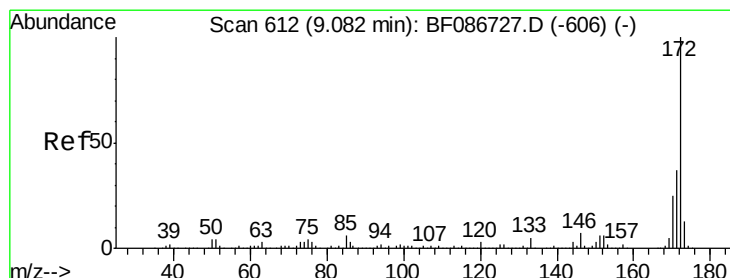
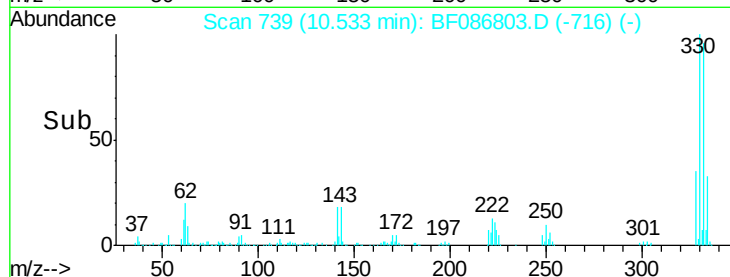
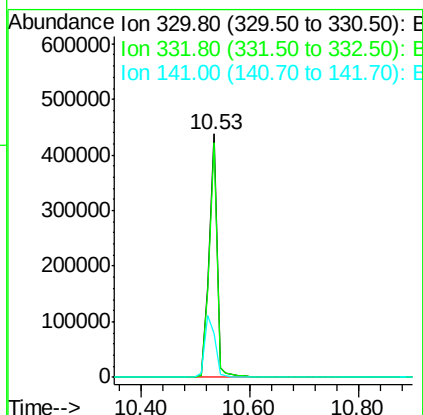
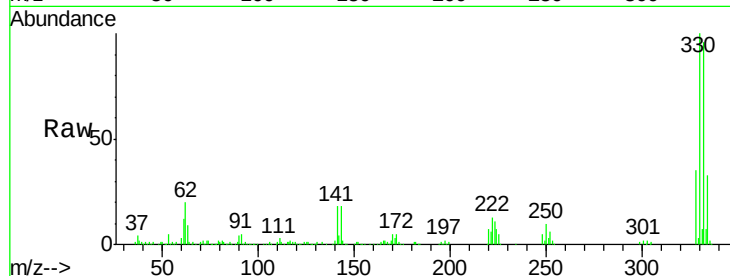




#41
 2,4,6-Tribromophenol
 Concen: 126.10 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

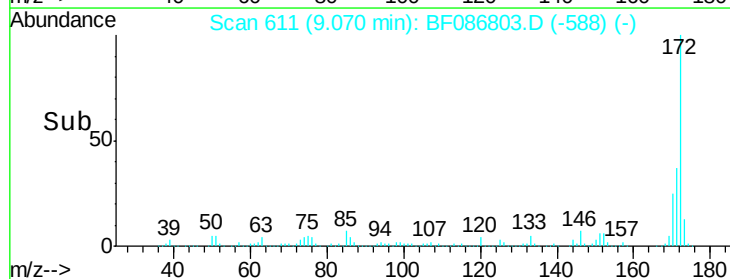
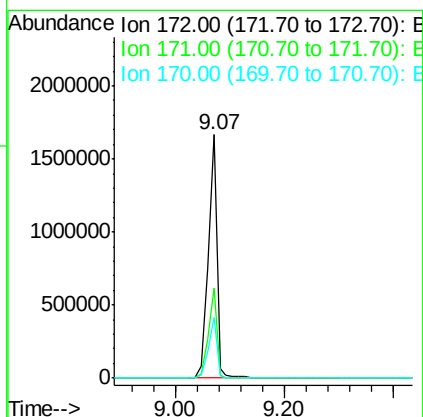
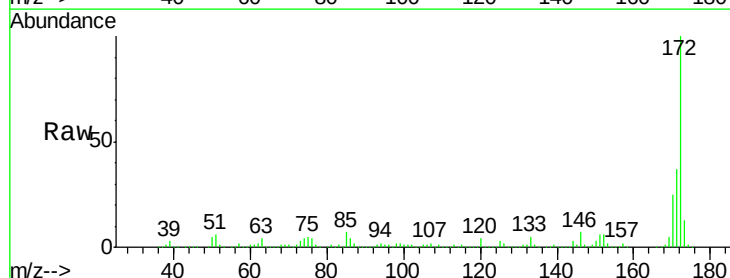
Instrument :
 BNA_F
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 TP-14D02

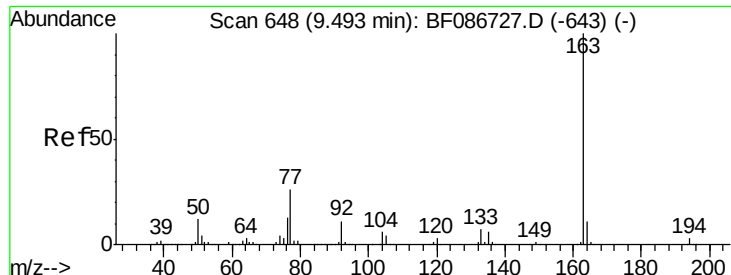
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.0	118.4
141	32.4	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 82.34 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.6
170	24.8	19.8	29.8

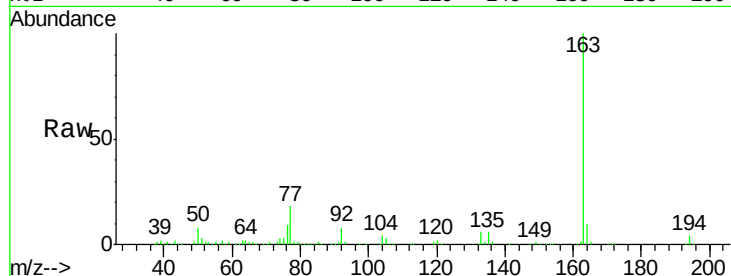




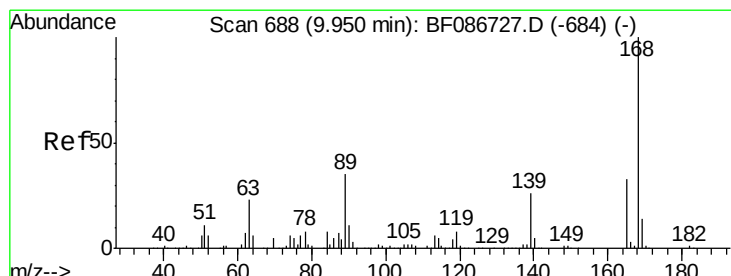
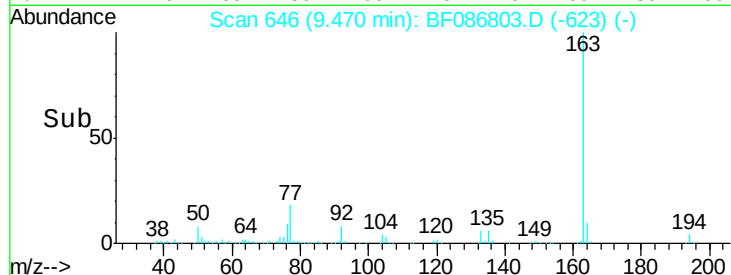
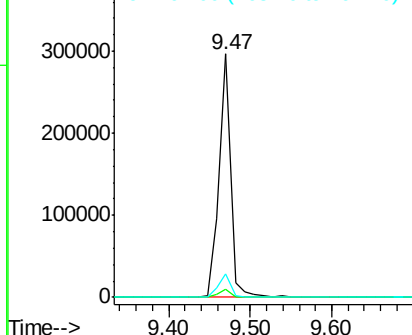
#49
Dimethylphthalate
Concen: 10.95 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Instrument :
BNA_F
ClientSampleId :
TP-14D02

Tgt Ion:163 Resp: 295405
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.7 8.2 12.4

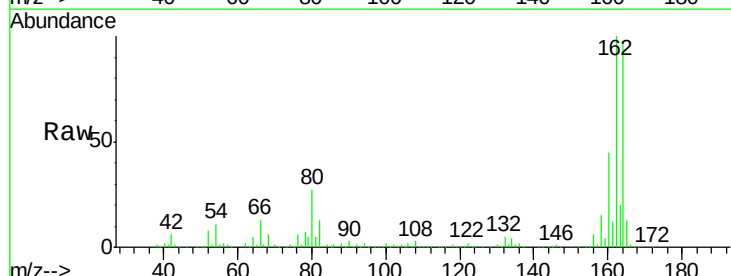


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

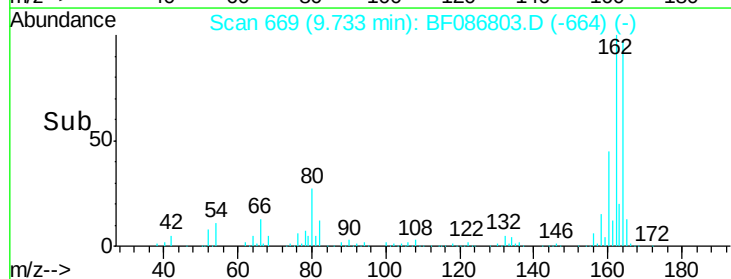
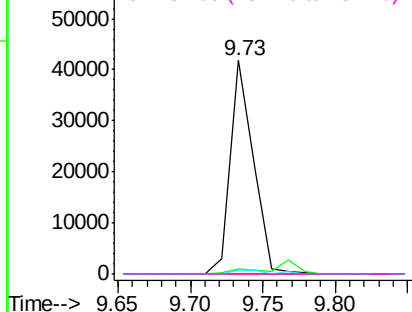


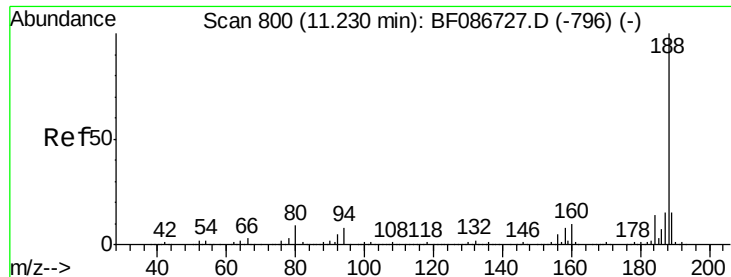
#56
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.24 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Tgt Ion:165 Resp: 46071
Ion Ratio Lower Upper
165 100
63 2.2 44.3 66.5#
89 1.7 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

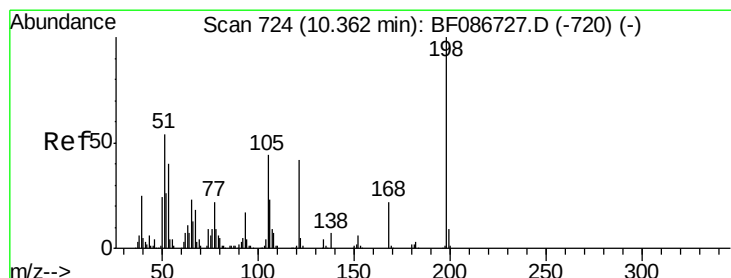
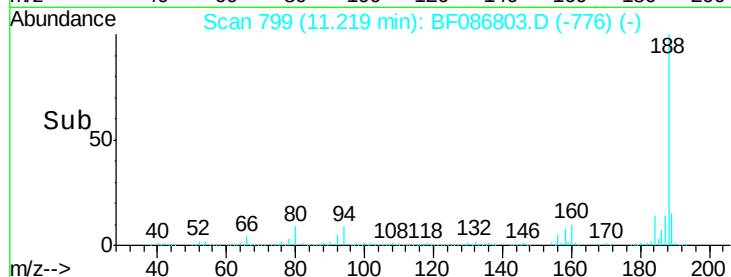
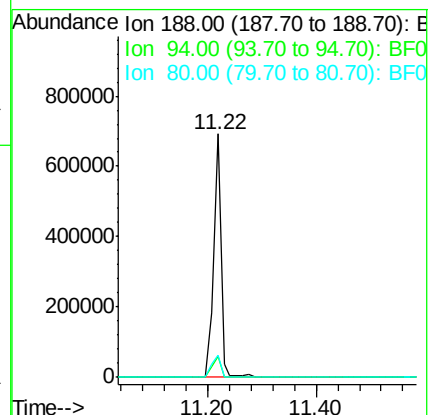
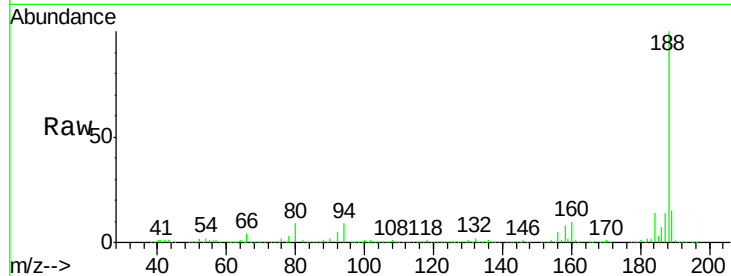




#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

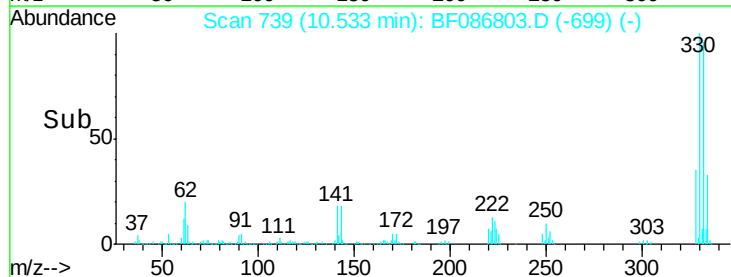
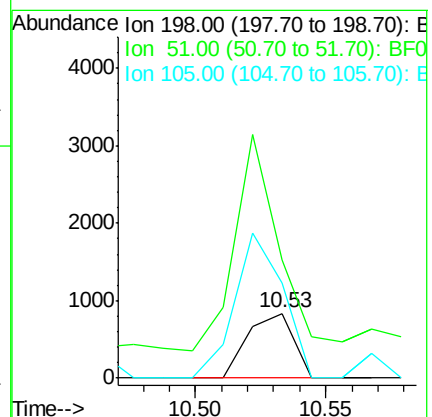
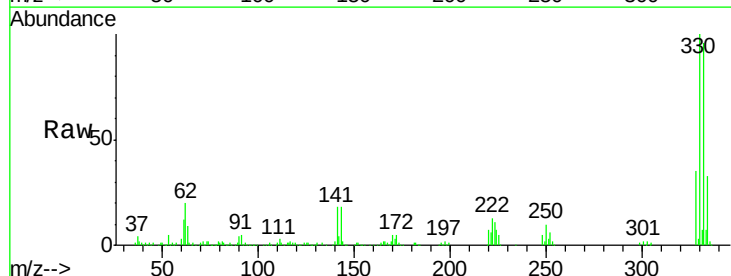
Instrument :
 BNA_F
 ClientSampleId :
 TP-14D02

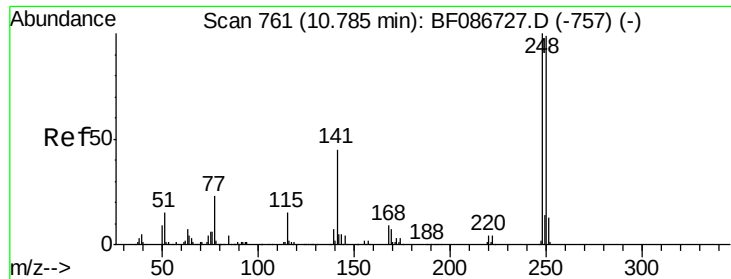
Tgt Ion:188 Resp: 652577
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.8 10.2
 80 9.2 7.1 10.7



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.57 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.16 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Tgt Ion:198 Resp: 1026
 Ion Ratio Lower Upper
 198 100
 51 182.6 20.5 60.5#
 105 146.7 24.5 64.5#

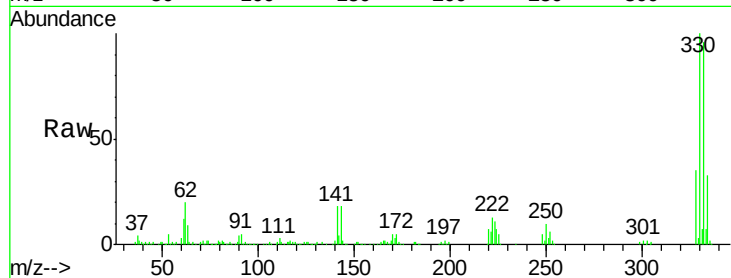




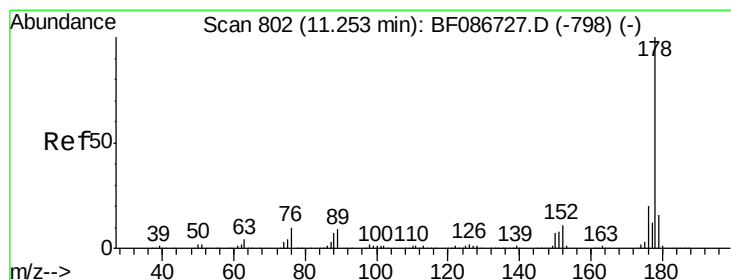
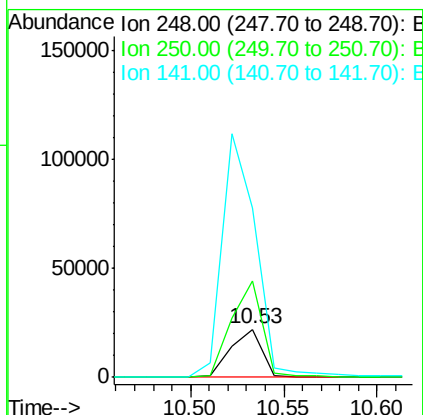
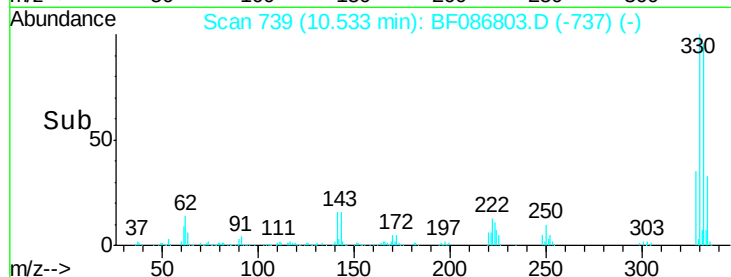
#66
 4-Bromophenyl-phenylether
 Concen: 4.02 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.27 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D02

Tgt Ion:248 Resp: 26047
 Ion Ratio Lower Upper
 248 100
 250 200.3 78.6 117.8#
 141 352.0 76.0 114.0#

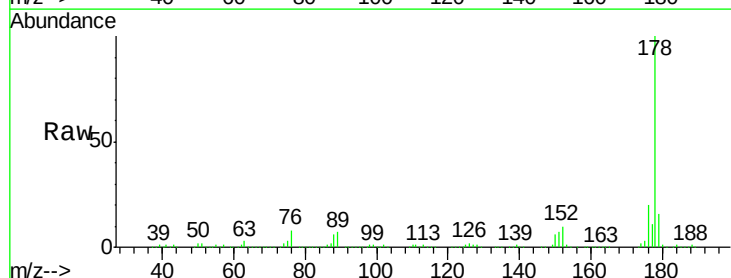


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

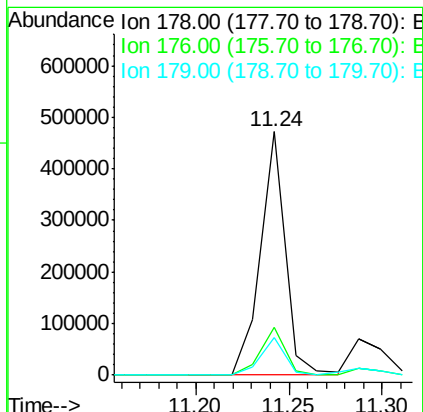
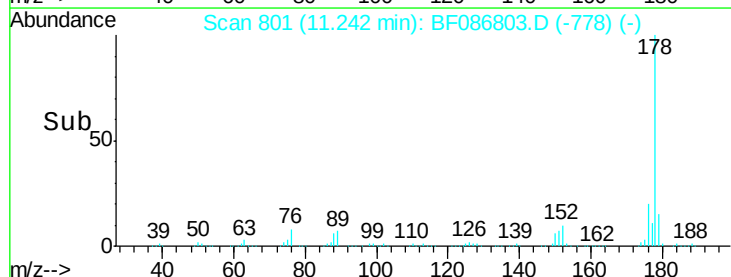


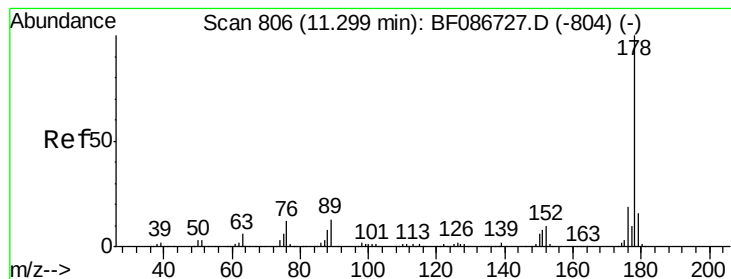
#70
 Phenanthrene
 Concen: 12.41 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.03 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Tgt Ion:178 Resp: 434951
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.0 24.0
 179 15.5 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





#71

Anthracene

Concen: 2.69 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

ClientSampleId :

TP-14D02

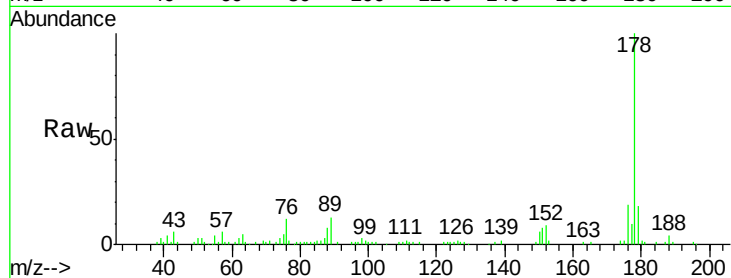
Tgt Ion:178 Resp: 98564

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

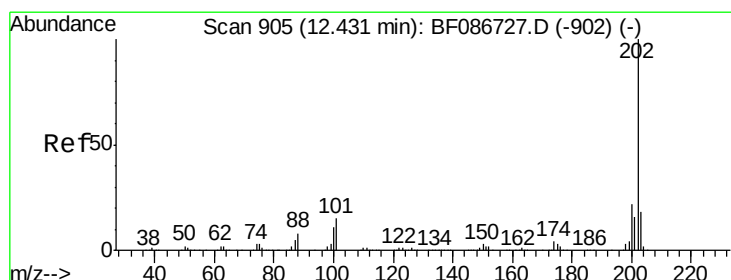
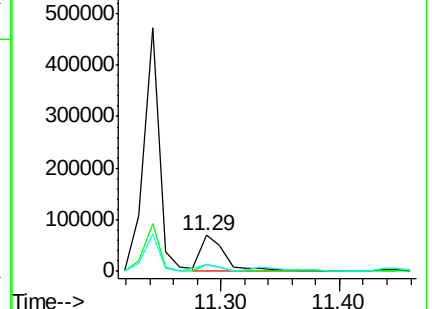
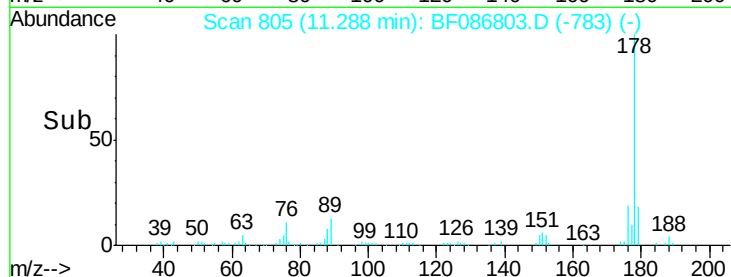
179 17.9 12.7 19.1



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: 20.88 ng

RT: 12.42 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

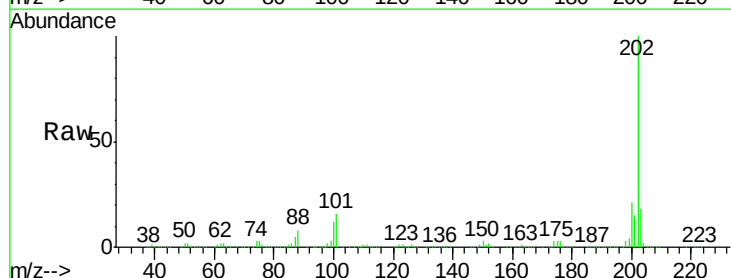
Tgt Ion:202 Resp: 733555

Ion Ratio Lower Upper

202 100

101 16.3 0.0 35.4

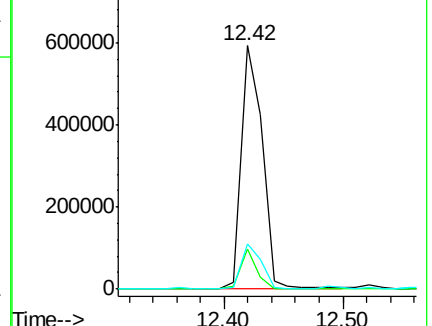
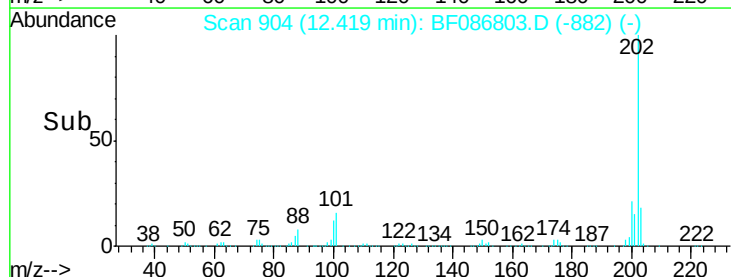
203 18.5 0.0 38.1

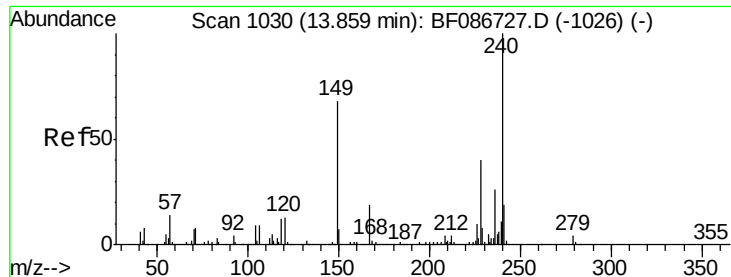


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

ClientSampleId :

TP-14D02

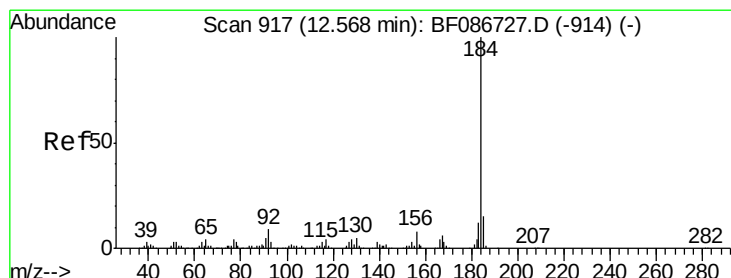
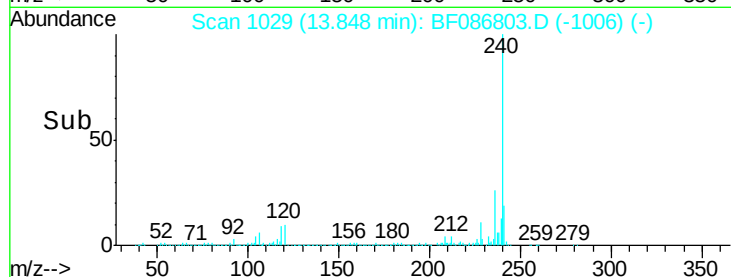
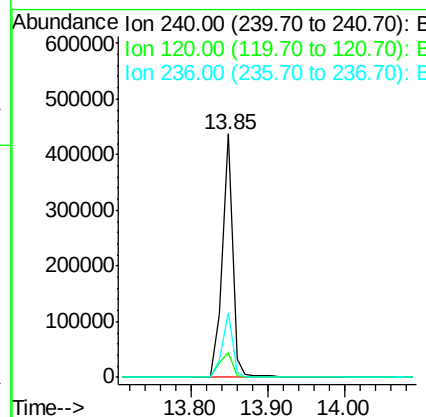
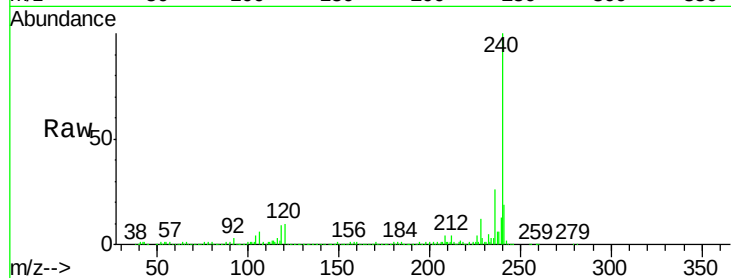
Tgt Ion:240 Resp: 418303

Ion Ratio Lower Upper

240 100

120 10.0 11.2 16.8#

236 26.3 21.2 31.8



#76

Benzidine

Concen: 8.66 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.21 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

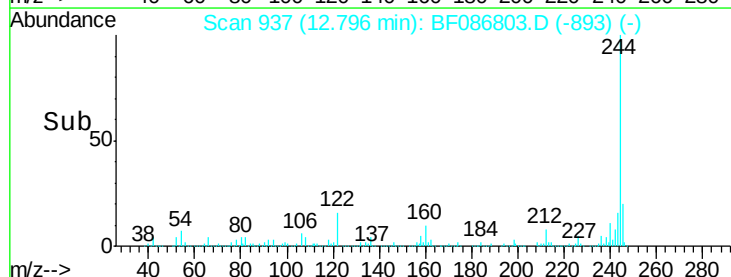
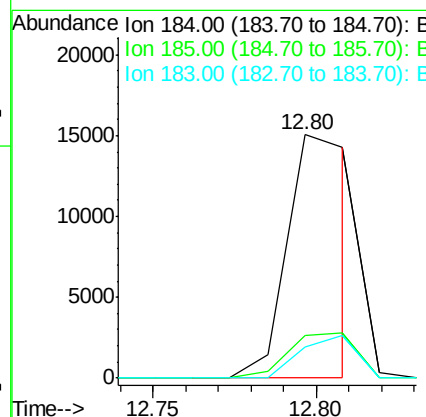
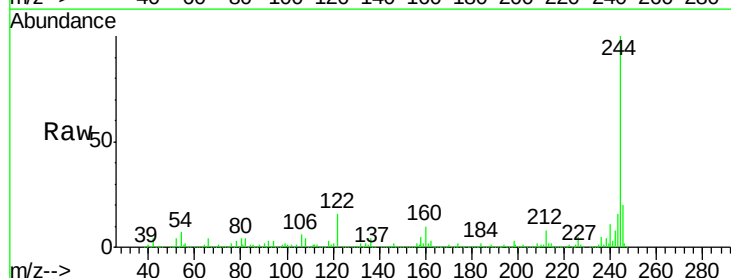
Tgt Ion:184 Resp: 21110

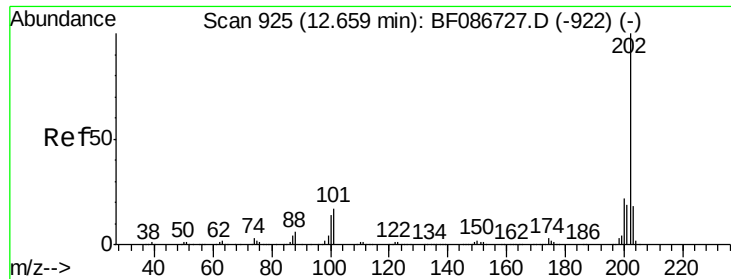
Ion Ratio Lower Upper

184 100

185 17.6 13.6 20.4

183 12.8 9.8 14.6





#77

Pyrene

Concen: 17.77 ng

RT: 12.65 min Scan# 924

Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

ClientSampleId :

TP-14D02

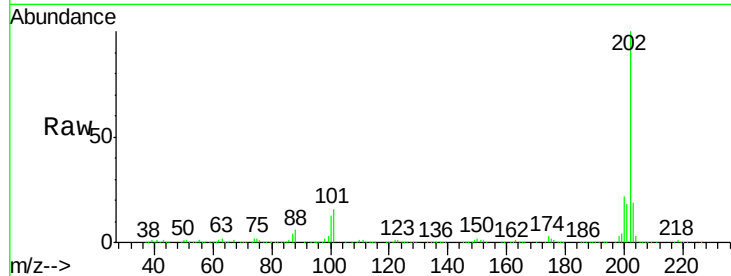
Tgt Ion:202 Resp: 592517

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

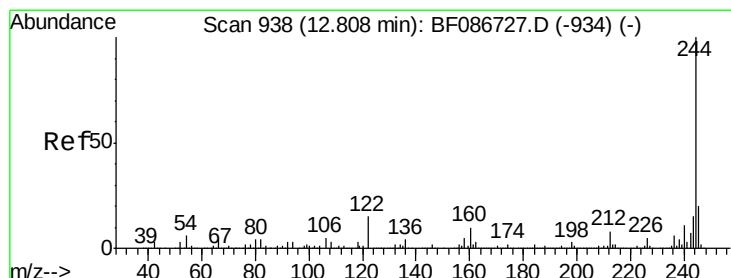
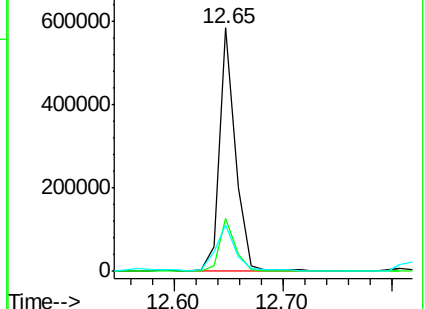
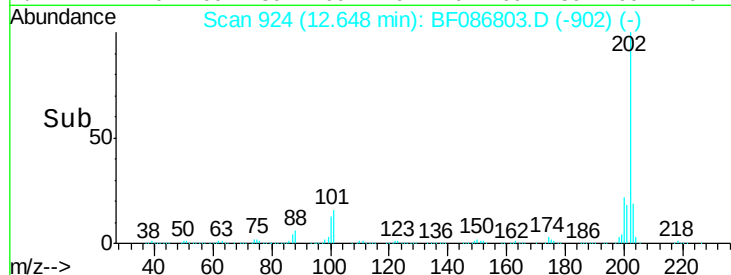
203 19.0 14.2 21.4



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: 66.07 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

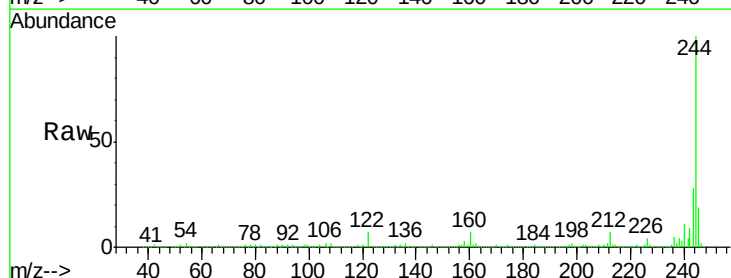
Tgt Ion:244 Resp: 1367557

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

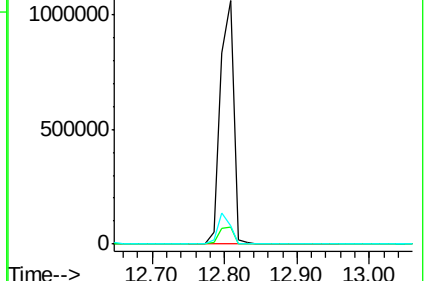
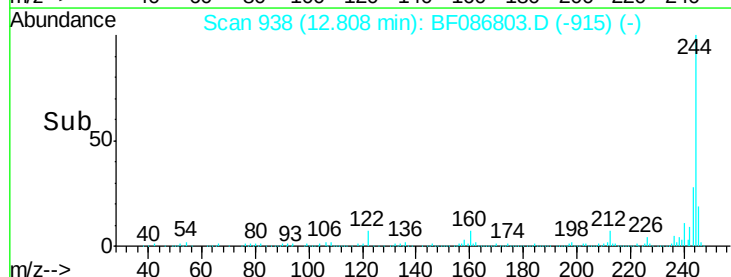
122 7.3 12.0 18.0#

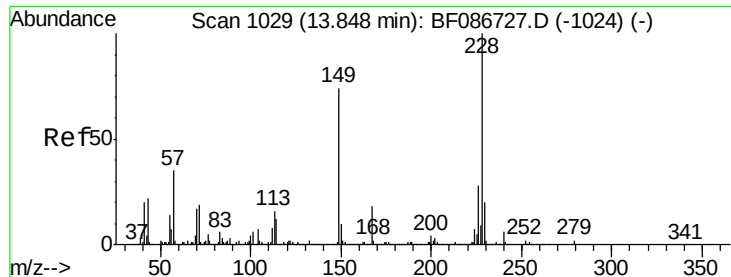


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.17 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

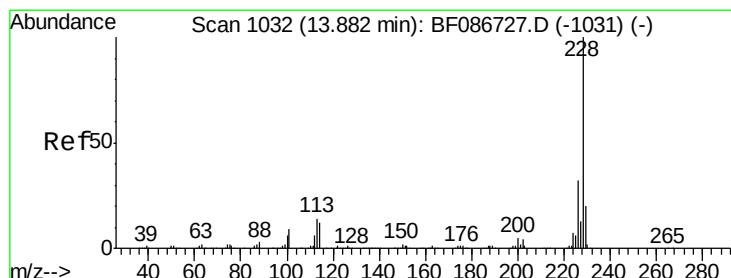
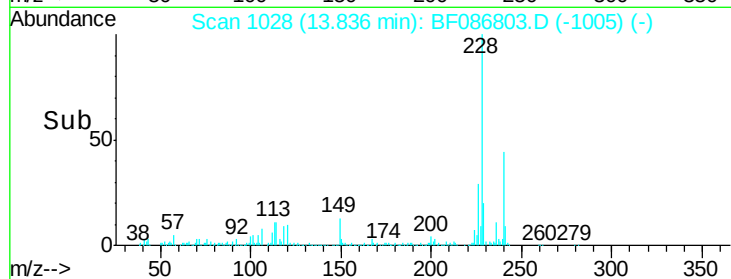
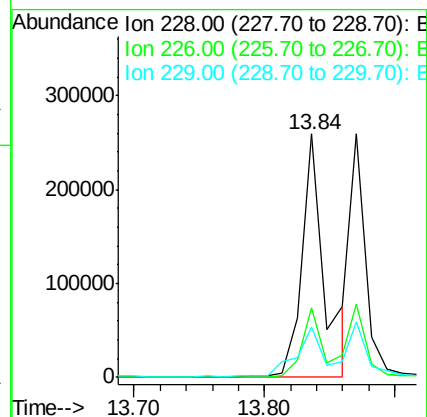
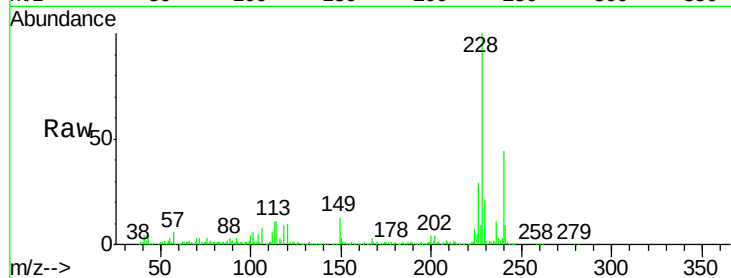
Instrument :

BNA_F

ClientSampleId :

TP-14D02

Tgt Ion:	228	Resp:	311687
Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	20.8	16.6	25.0



#82

Chrysene

Concen: 8.55 ng

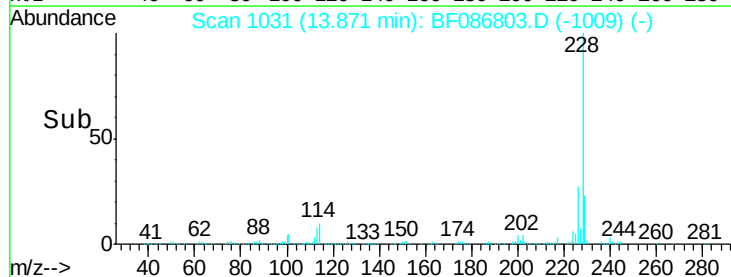
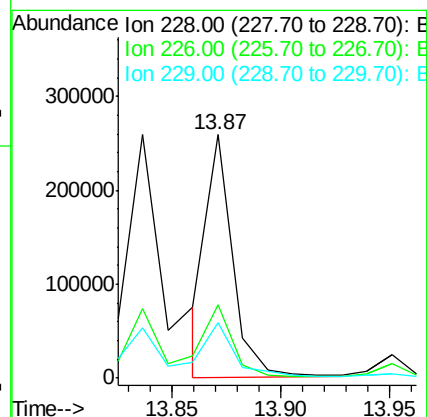
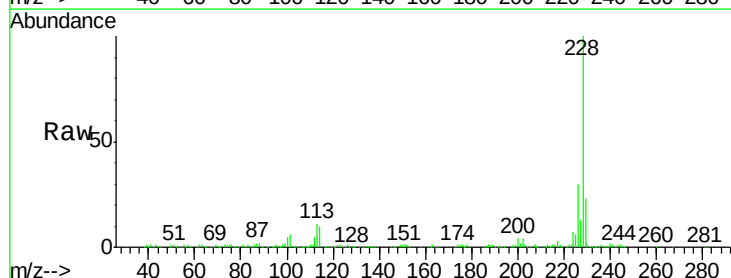
RT: 13.87 min Scan# 1031

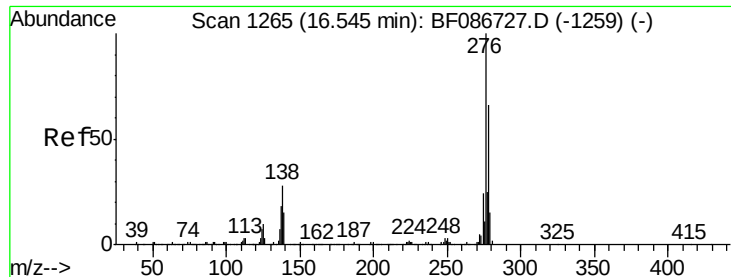
Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Tgt Ion:	228	Resp:	215896
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	22.5	15.8	23.8

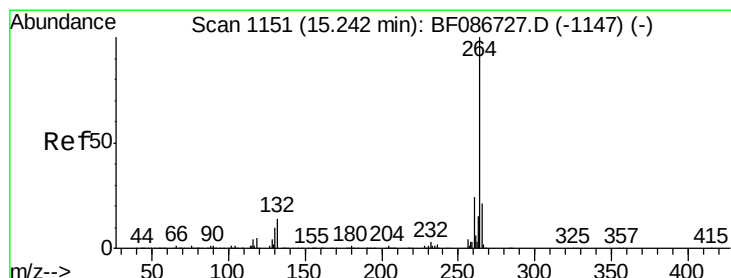
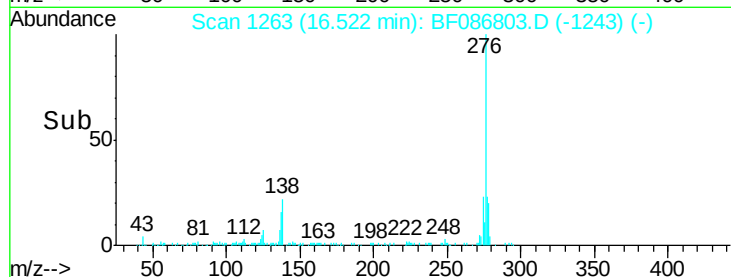
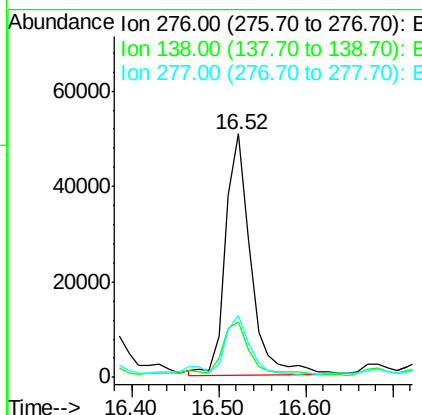
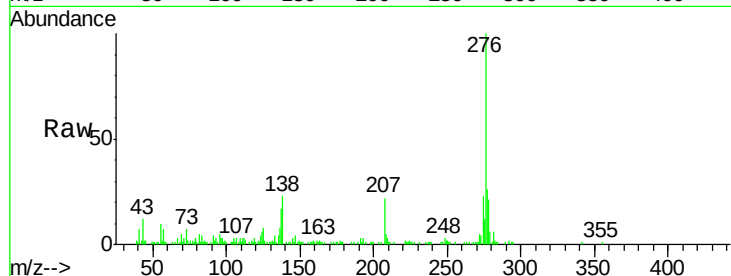




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.73 ng
 RT: 16.52 min Scan# 1263
 Delta R.T. -0.07 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

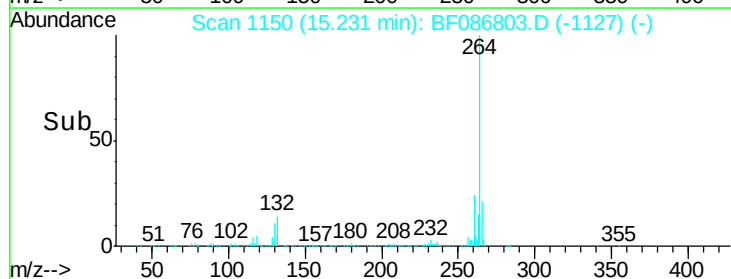
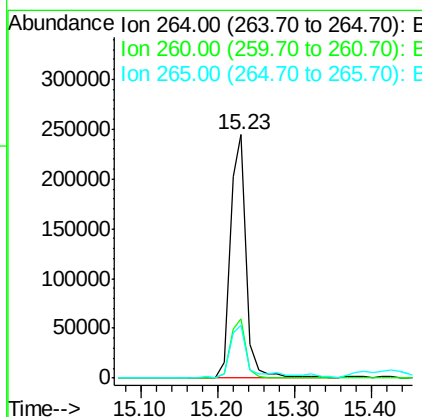
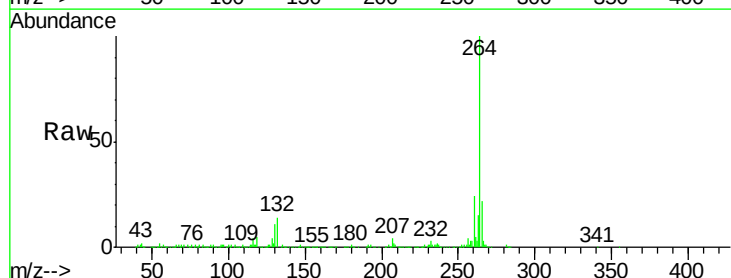
Instrument :
 BNA_F
 ClientSampleId :
 TP-14D02

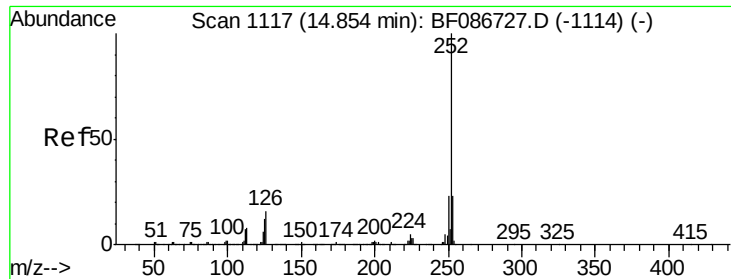
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	25.6	38.4
277	26.3	20.5	30.7



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.03 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.5	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 16.92 ng

RT: 14.84 min Scan# 1116

Delta R.T. -0.05 min

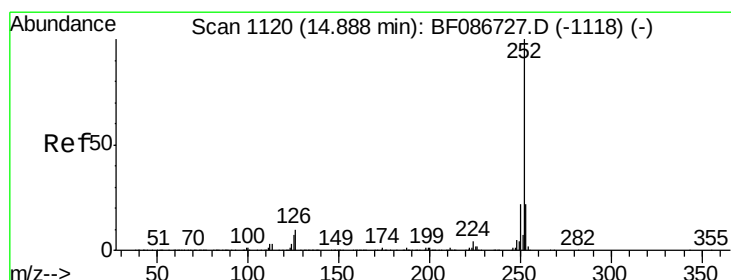
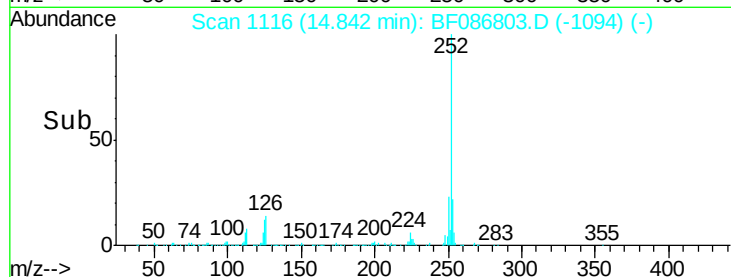
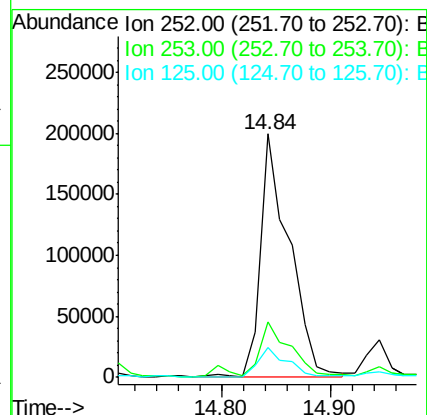
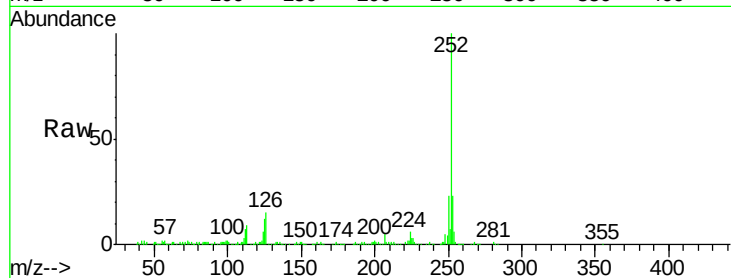
Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :
BNA_F
ClientSampleId :
TP-14D02

Tgt Ion:252 Resp: 364940

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	12.3	11.4	17.0



#88

Benzo(k)fluoranthene

Concen: 17.96 ng

RT: 14.84 min Scan# 1116

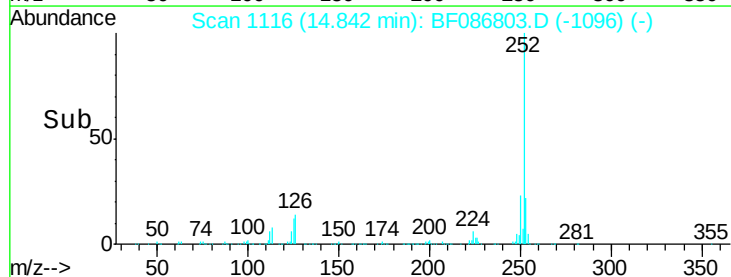
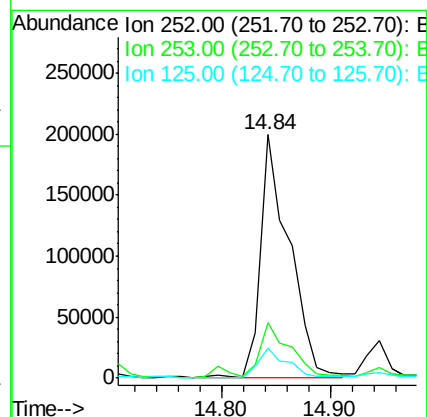
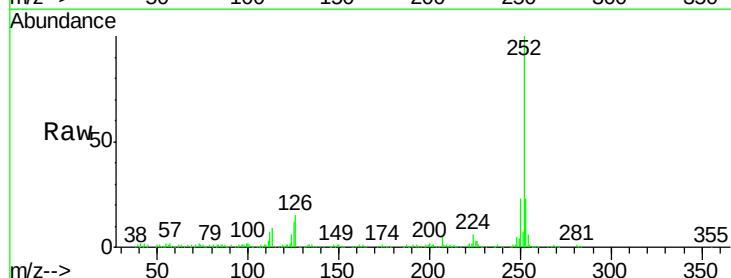
Delta R.T. -0.07 min

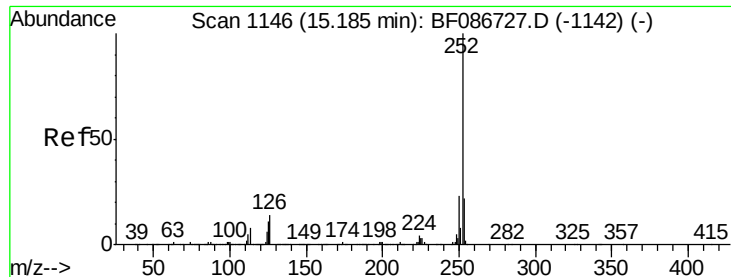
Lab File: BF086803.D

Acq: 8 May 2016 5:15

Tgt Ion:252 Resp: 364940

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	12.3	9.1	13.7





#89

Benzo(a)pyrene

Concen: 8.68 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

ClientSampleId :

TP-14D02

Tgt Ion: 252 Resp: 172391

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 9.4 9.0 13.6

