

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086903.D
 Acq On : 11 May 2016 22:33
 Operator : UM/SJ
 Sample : H2894-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP25-6-7FT

Quant Time: May 12 00:55:37 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

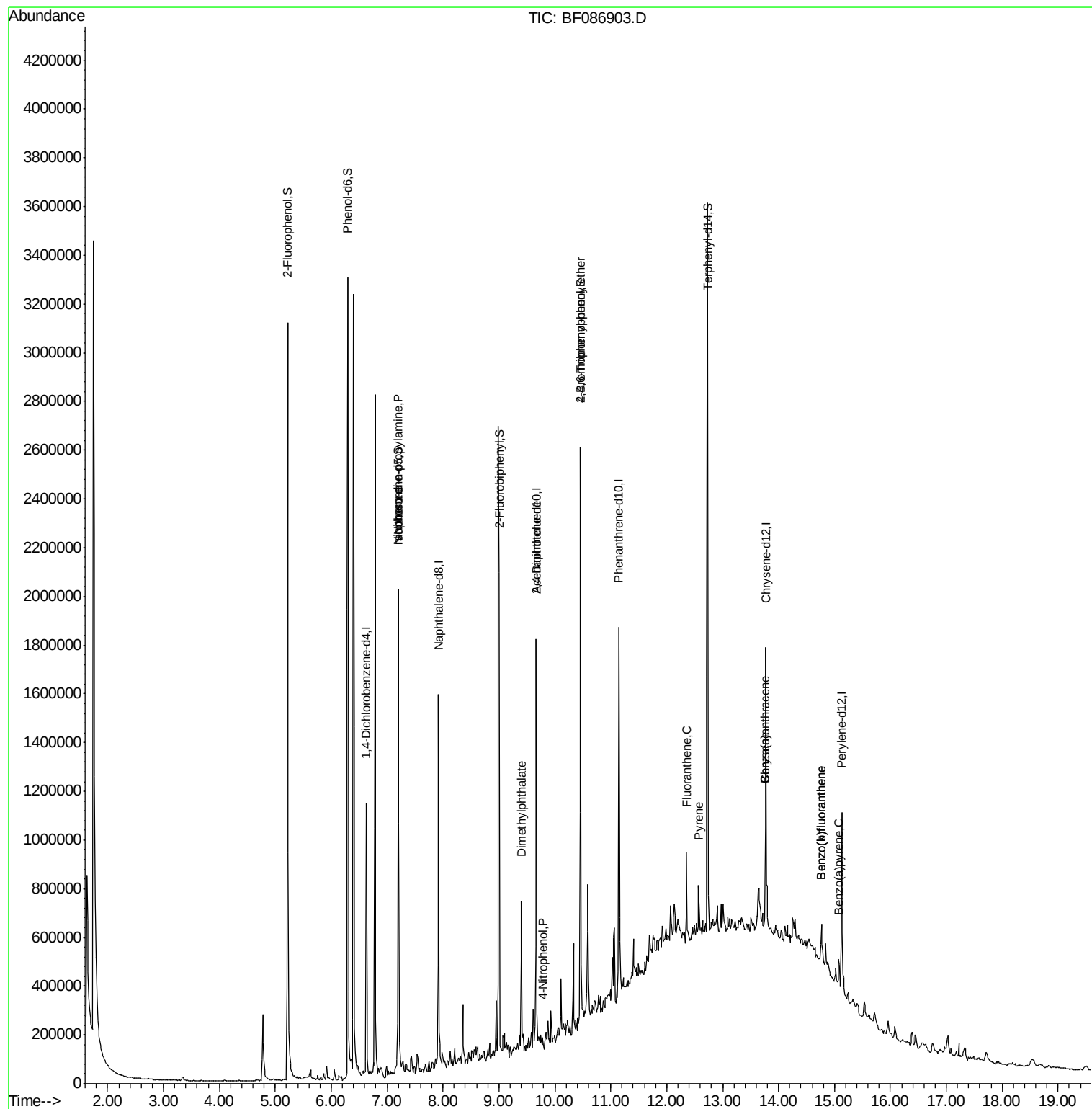
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	153029	20.00	ng	-0.07
21) Naphthalene-d8	7.92	136	644620	20.00	ng	-0.07
38) Acenaphthene-d10	9.67	164	310667	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	527755	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	391948	20.00	ng	-0.07
86) Perylene-d12	15.13	264	310903	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	845469	93.57	ng	-0.07
7) Phenol-d6	6.30	99	1284474	106.36	ng	-0.07
23) Nitrobenzene-d5	7.20	82	740170	57.66	ng	-0.07
41) 2,4,6-Tribromophenol	10.46	330	275055	83.63	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	1116307	60.39	ng	-0.05
78) Terphenyl-d14	12.73	244	922997	49.96	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	111420	13.20	ng	# 70
25) Isophorone	7.20	82	684252	28.73	ng	# 69
49) Dimethylphthalate	9.40	163	167216	7.06	ng	99
55) 4-Nitrophenol	9.79	139	673	4.74	ng	# 1
56) 2,4-Dinitrotoluene	9.67	165	40514	6.56	ng	# 16
60) 4-Chlorophenyl-phenylether	10.04	204	1500	Below Cal		# 63
66) 4-Bromophenyl-phenylether	10.46	248	17616	3.29	ng	# 1
74) Fluoranthene	12.35	202	124823	4.31	ng	93
77) Pyrene	12.57	202	109336	3.64	ng	97
80) Benzo(a)anthracene	13.76	228	73889	3.36	ng	# 91
82) Chrysene	13.76	228	73889	3.30	ng	93
87) Benzo(b)fluoranthene	14.77	252	96600	4.78	ng	# 89
88) Benzo(k)fluoranthene	14.77	252	96600	5.84	ng	# 87
89) Benzo(a)pyrene	15.07	252	50244	2.88	ng	# 84

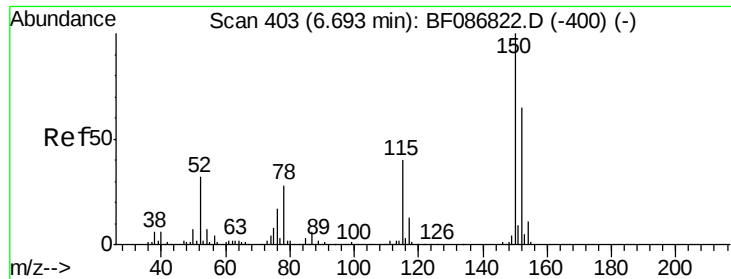
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086903.D

Acq: 11 May 2016 22:33

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

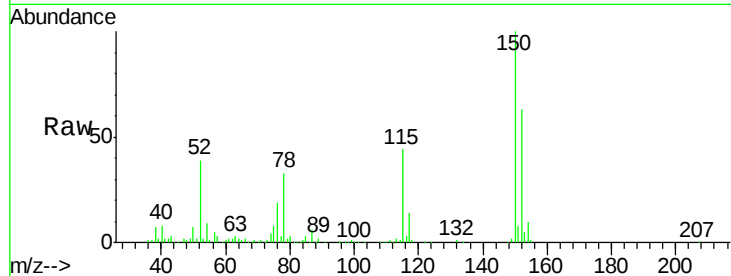
Tgt Ion:152 Resp: 153029

Ion Ratio Lower Upper

152 100

150 158.8 125.8 188.6

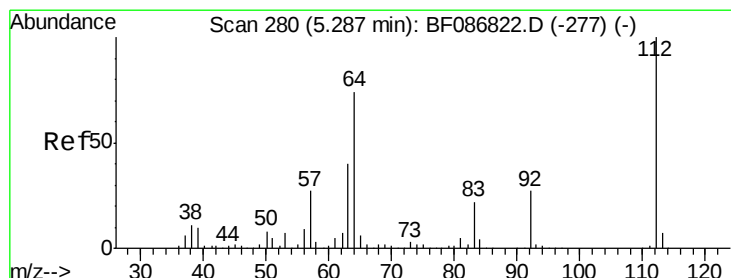
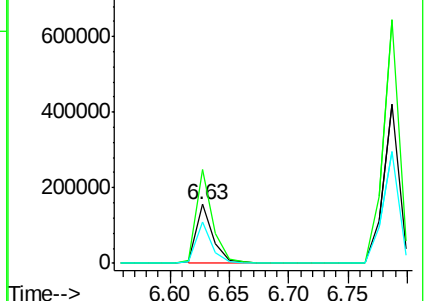
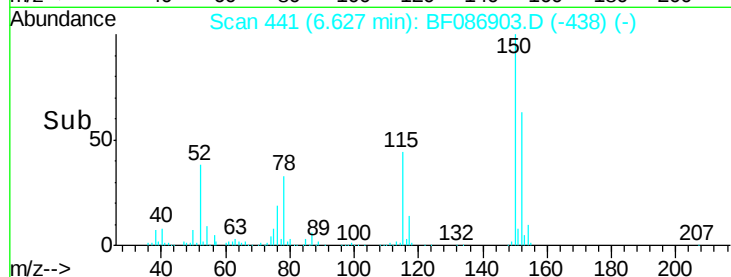
115 69.2 51.5 77.3



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: 93.57 ng

RT: 5.22 min Scan# 318

Delta R.T. -0.07 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

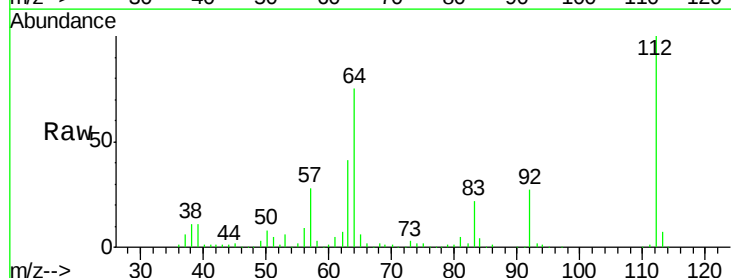
Tgt Ion:112 Resp: 845469

Ion Ratio Lower Upper

112 100

64 74.9 52.1 78.1

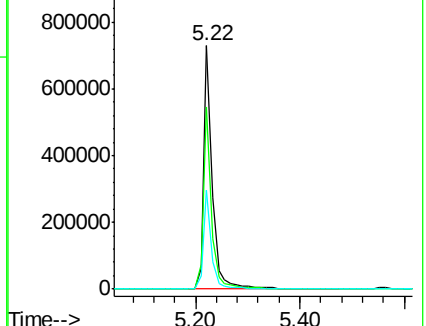
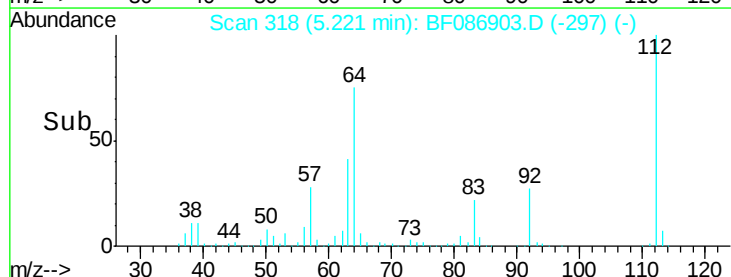
63 40.9 25.7 38.5#

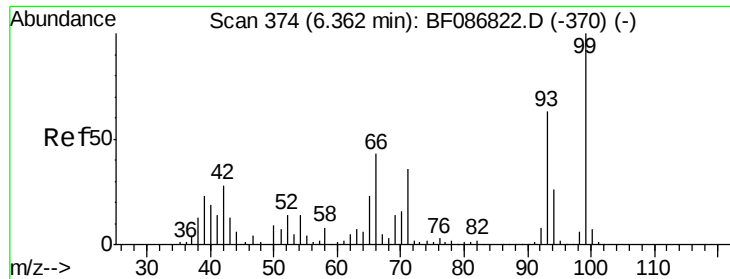


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.36 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.07 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

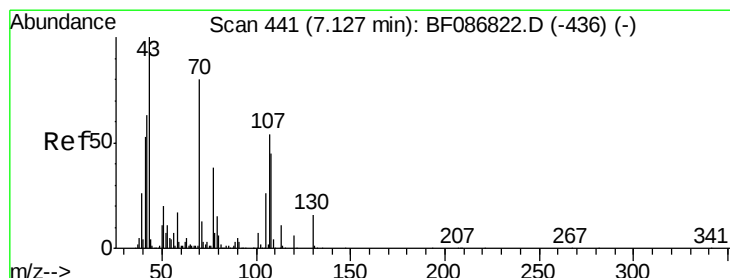
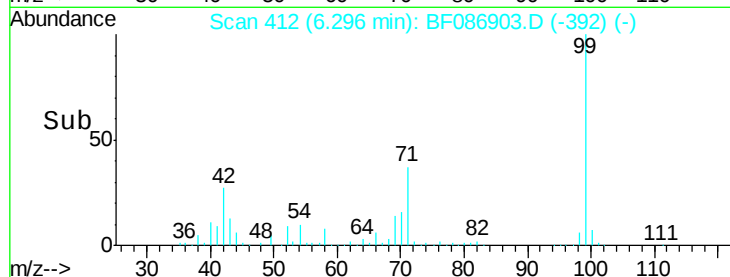
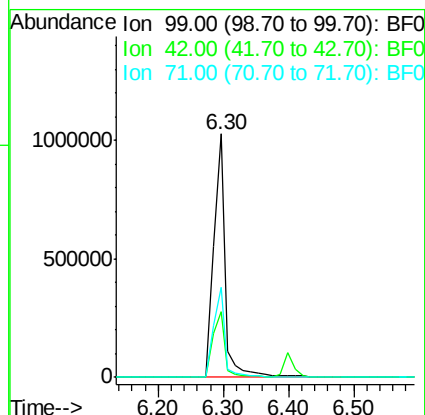
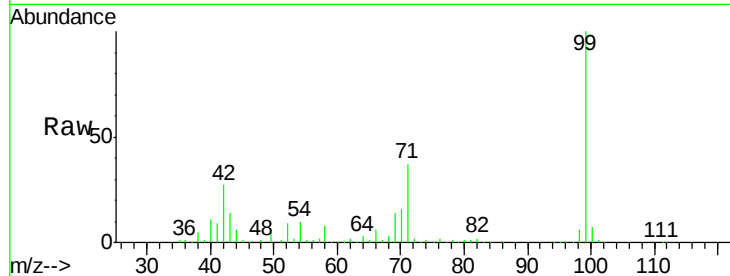
Tgt Ion: 99 Resp: 1284474

Ion Ratio Lower Upper

99 100

42 27.2 13.6 20.4#

71 36.9 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.20 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.07 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

Tgt Ion: 70 Resp: 111420

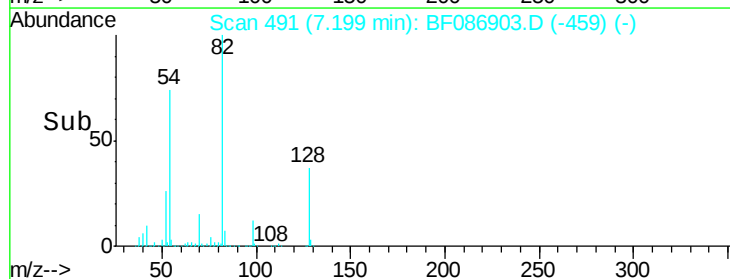
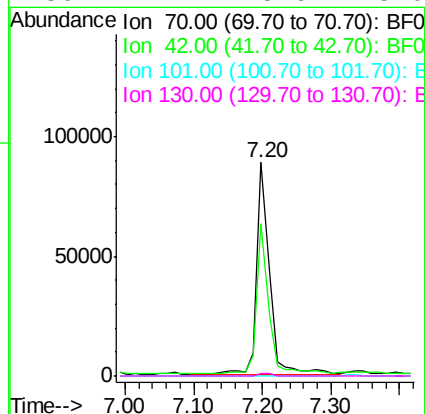
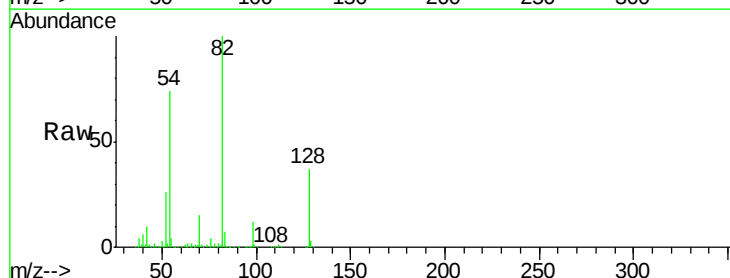
Ion Ratio Lower Upper

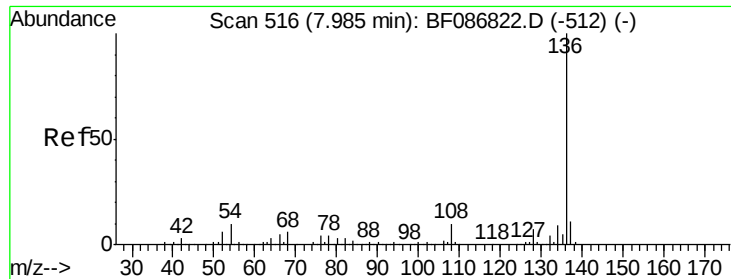
70 100

42 71.2 43.1 64.7#

101 0.0 8.1 12.1#

130 1.4 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: BF086903.D

Acq: 11 May 2016 22:33

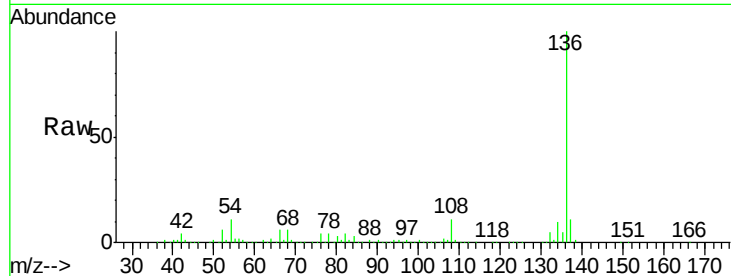
Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

Tgt Ion:	136	Resp:	644620
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	11.3	5.0	7.4#
68	6.3	4.4	6.6

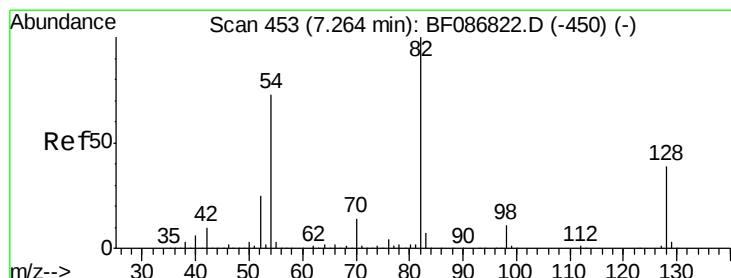
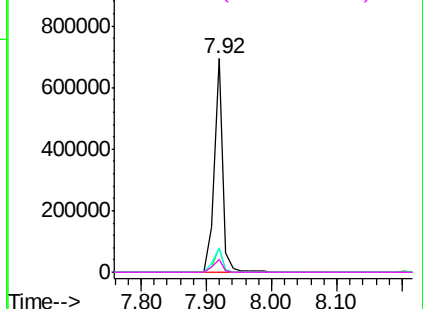
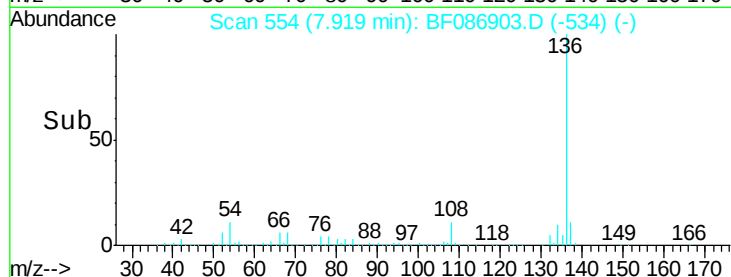


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.66 ng

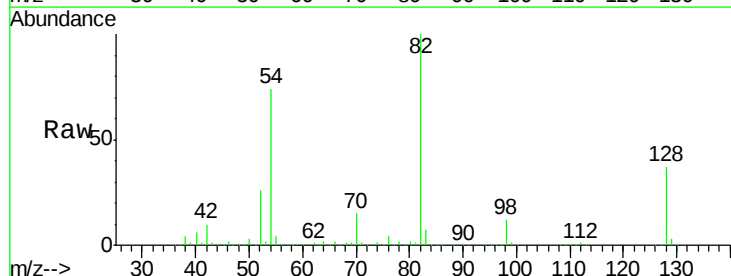
RT: 7.20 min Scan# 491

Delta R.T. -0.07 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

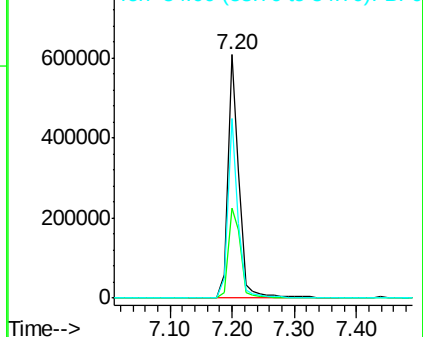
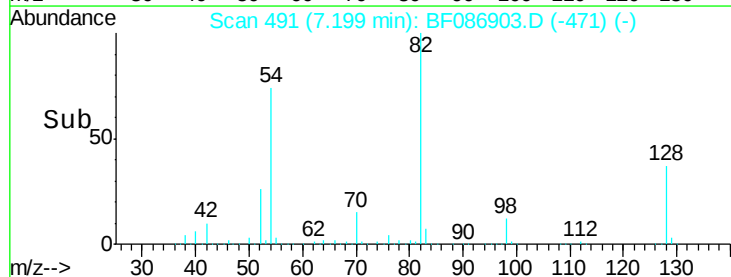
Tgt Ion:	82	Resp:	740170
Ion	Ratio	Lower	Upper
82	100		
128	36.9	40.6	61.0#
54	74.0	38.1	57.1#

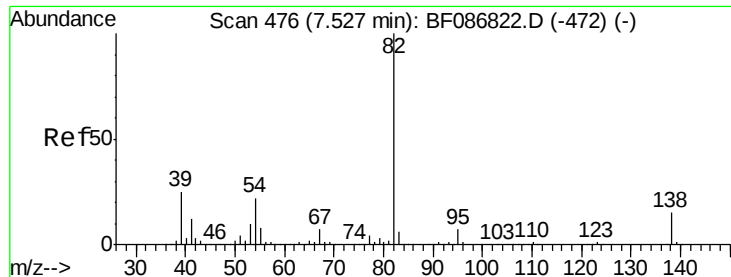


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

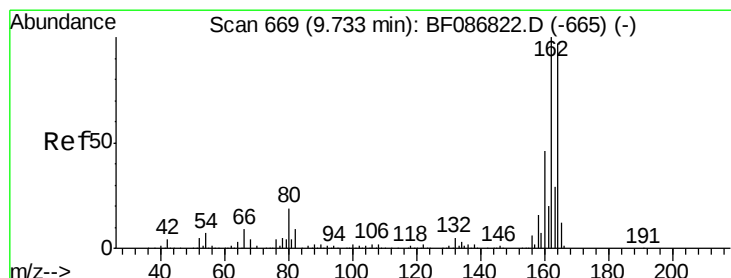
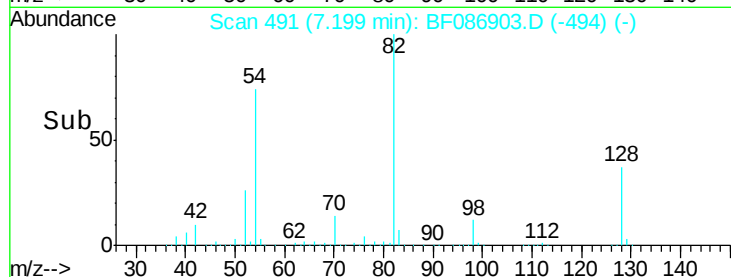
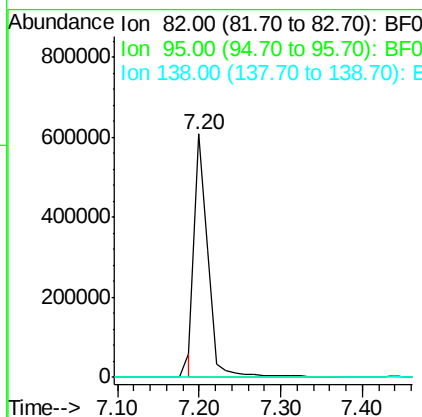
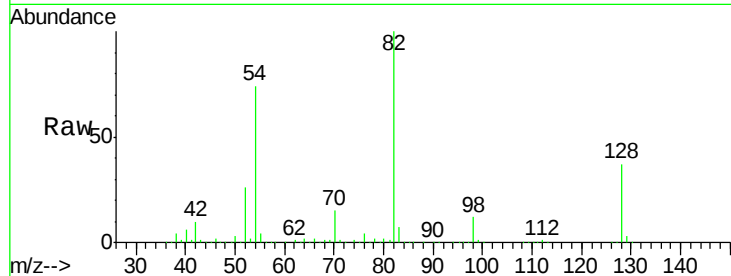




#25
Isophorone
Concen: 28.73 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.33 min
Lab File: BF086903.D
Acq: 11 May 2016 22:33

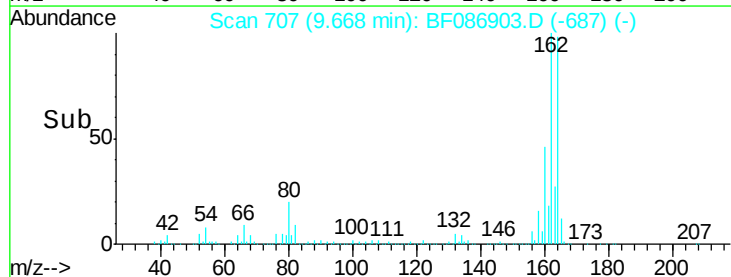
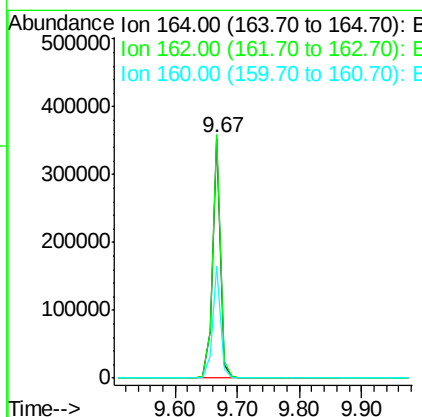
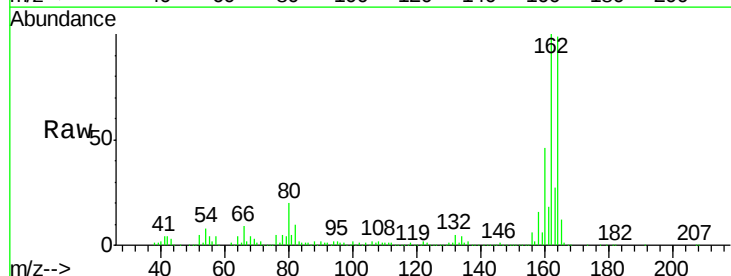
Instrument :
BNA_F
ClientSampleId :
TP25-6-7FT

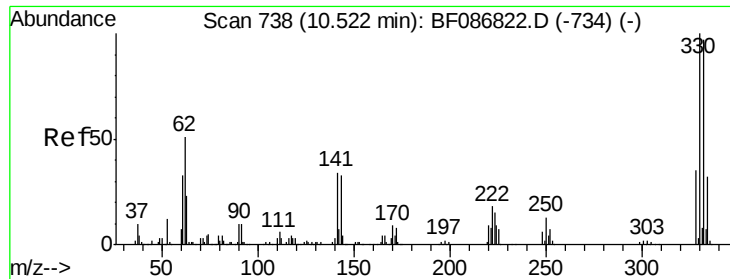
Tgt Ion: 82 Resp: 684252
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.4 18.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.07 min
Lab File: BF086903.D
Acq: 11 May 2016 22:33

Tgt Ion: 164 Resp: 310667
Ion Ratio Lower Upper
164 100
162 101.5 82.8 124.2
160 46.4 36.9 55.3

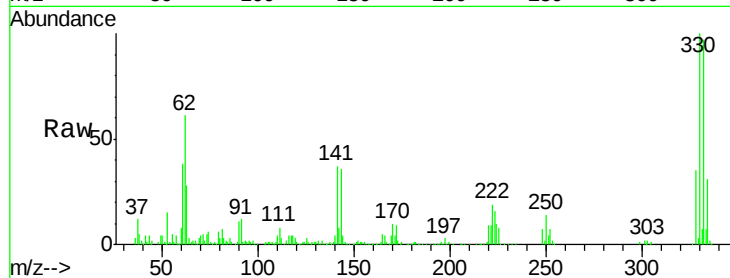




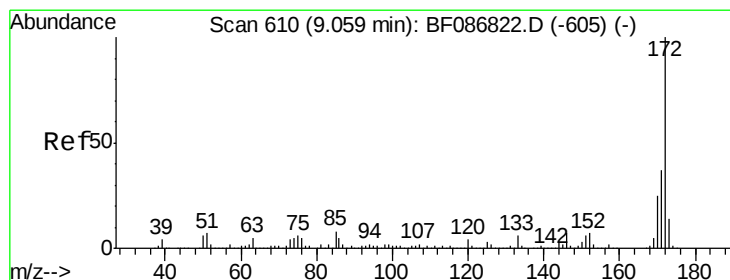
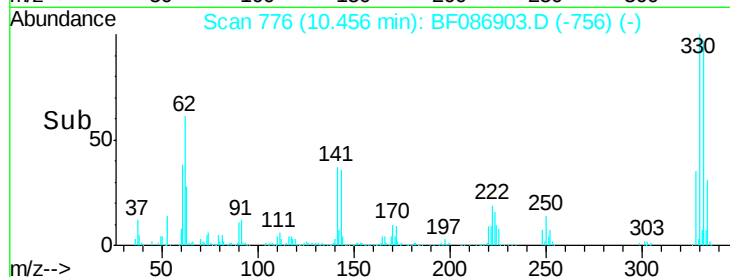
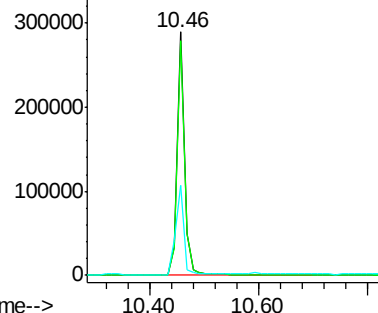
#41
 2,4,6-Tribromophenol
 Concen: 83.63 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.07 min
 Lab File: BF086903.D
 Acq: 11 May 2016 22:33

Instrument :
 BNA_F
 ClientSampleId :
 TP25-6-7FT

Tgt Ion:330 Resp: 275055
 Ion Ratio Lower Upper
 330 100
 332 97.0 79.0 118.4
 141 40.6 31.2 46.8

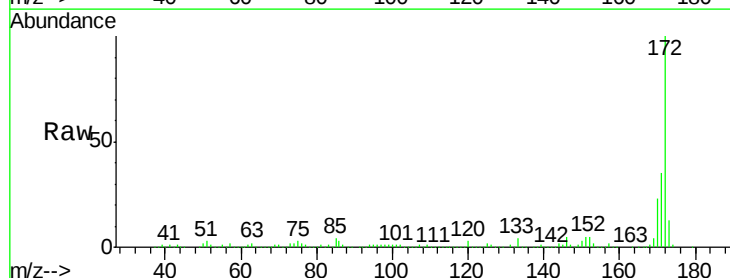


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

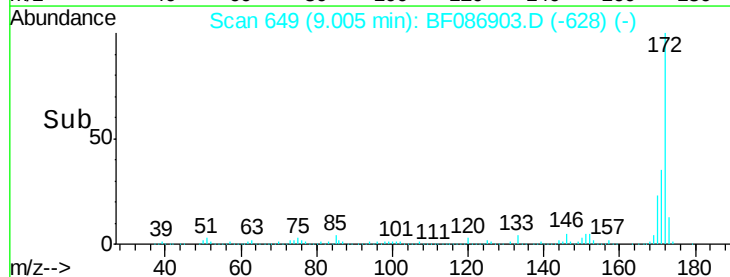
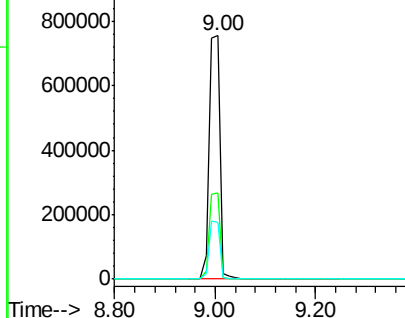


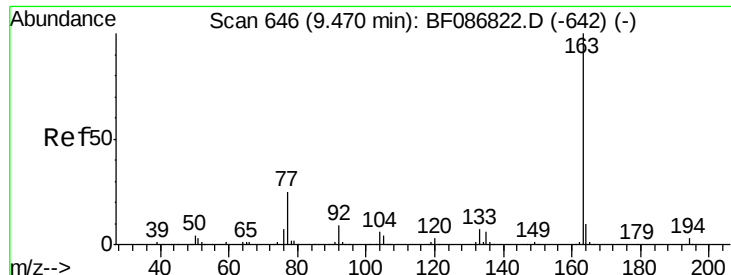
#44
 2-Fluorobiphenyl
 Concen: 60.39 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.05 min
 Lab File: BF086903.D
 Acq: 11 May 2016 22:33

Tgt Ion:172 Resp: 1116307
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.0 43.6
 170 23.4 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: 7.06 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.07 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

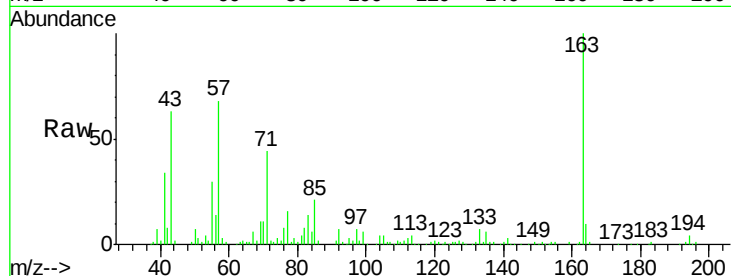
Tgt Ion:163 Resp: 167216

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

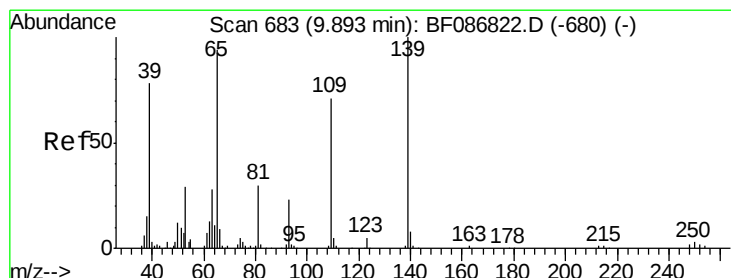
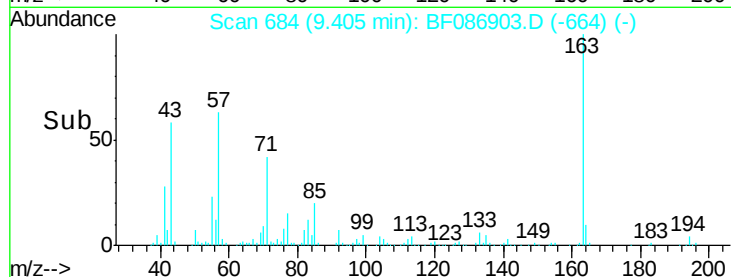
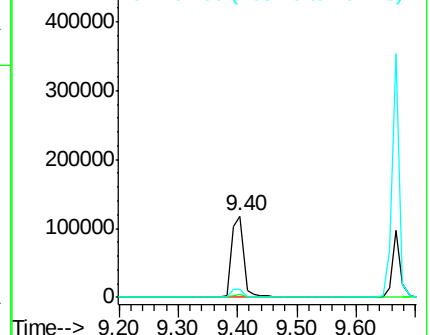
164 9.8 8.2 12.4



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: 4.74 ng

RT: 9.79 min Scan# 718

Delta R.T. -0.10 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

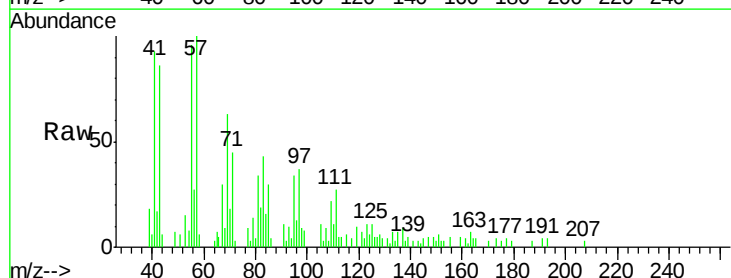
Tgt Ion:139 Resp: 673

Ion Ratio Lower Upper

139 100

109 412.6 36.9 76.9#

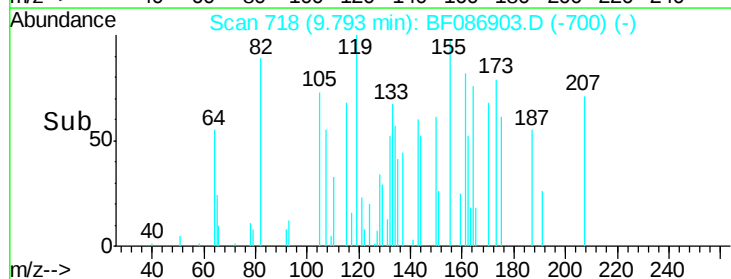
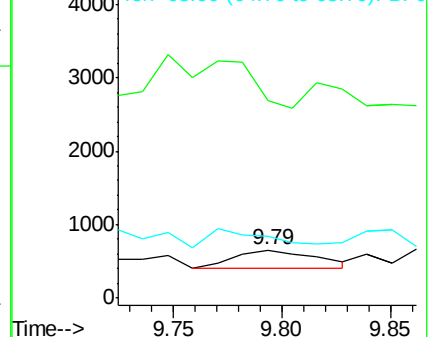
65 128.0 64.0 104.0#

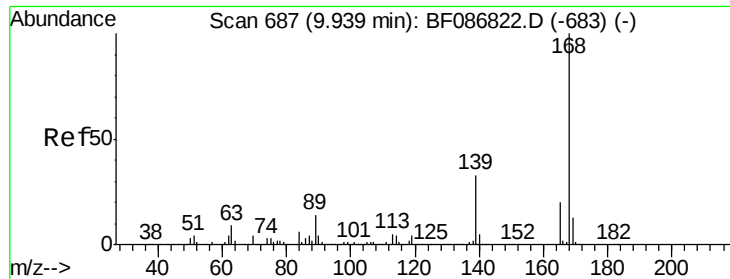


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.56 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.27 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

Tgt Ion:165 Resp: 40514

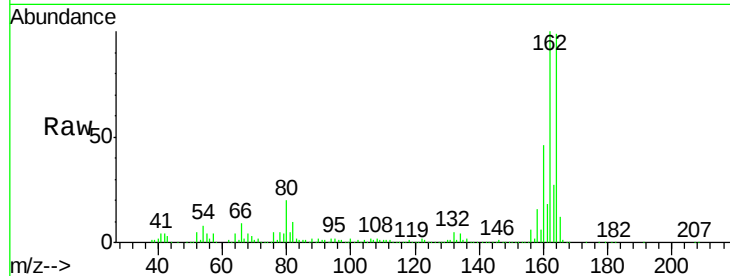
Ion Ratio Lower Upper

165 100

63 2.1 44.3 66.5#

89 2.2 70.0 105.0#

182 0.8 1.8 2.6#

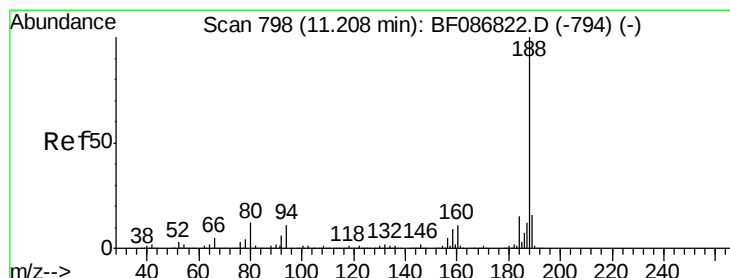
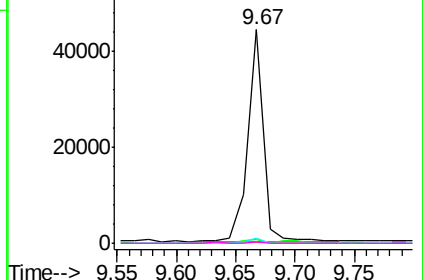
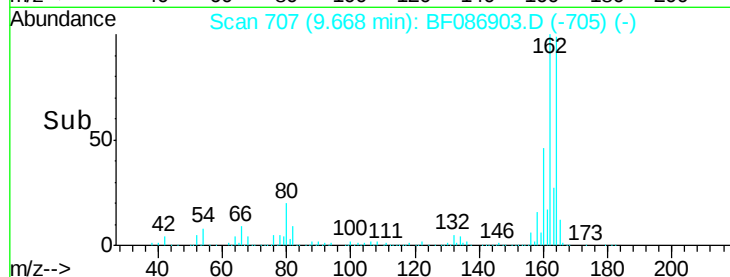


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF086903.D

Acq: 11 May 2016 22:33

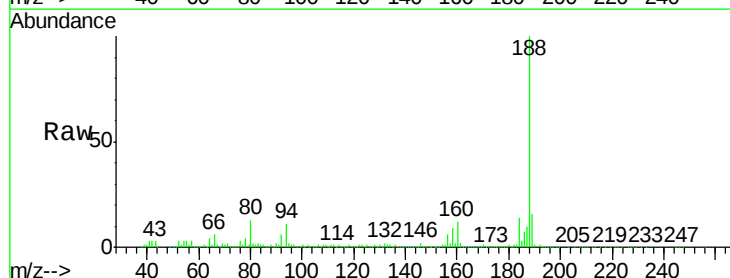
Tgt Ion:188 Resp: 527755

Ion Ratio Lower Upper

188 100

94 11.3 6.8 10.2#

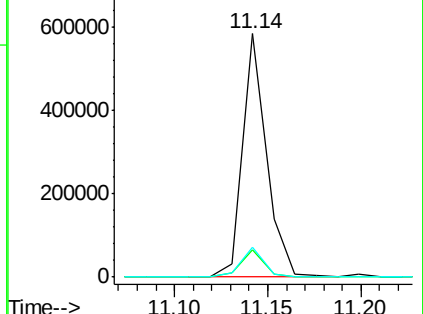
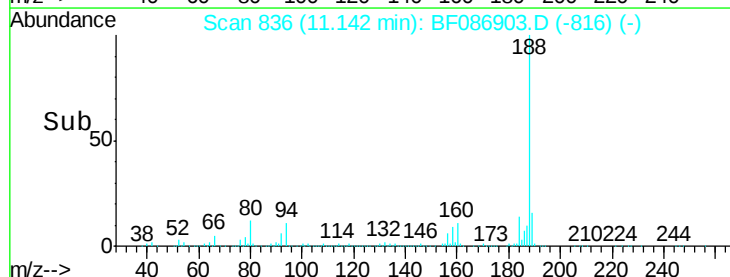
80 12.5 7.1 10.7#

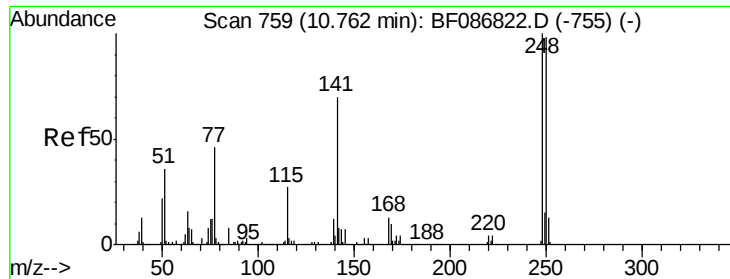


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.29 ng

RT: 10.46 min Scan# 776

Delta R.T. -0.31 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

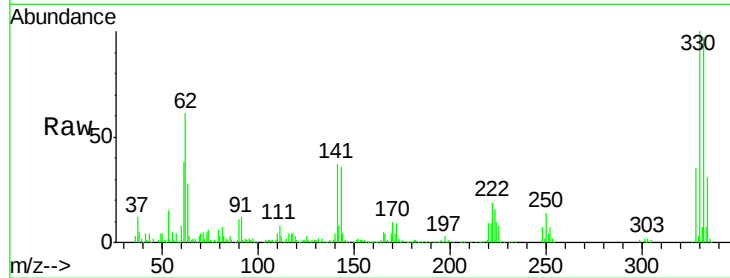
Tgt Ion:248 Resp: 17616

Ion Ratio Lower Upper

248 100

250 202.3 78.6 117.8#

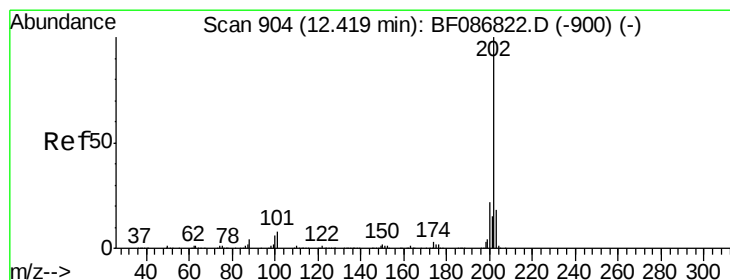
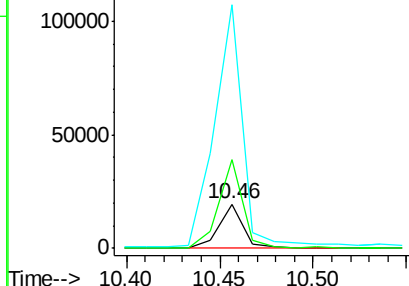
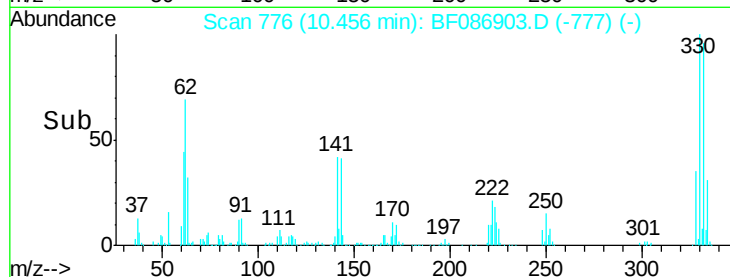
141 551.4 76.0 114.0#



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



#74

Fluoranthene

Concen: 4.31 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

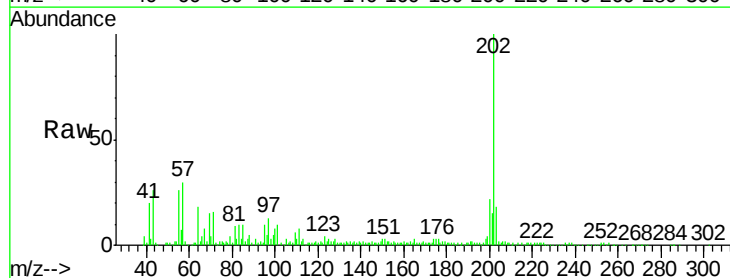
Tgt Ion:202 Resp: 124823

Ion Ratio Lower Upper

202 100

101 9.9 0.0 35.4

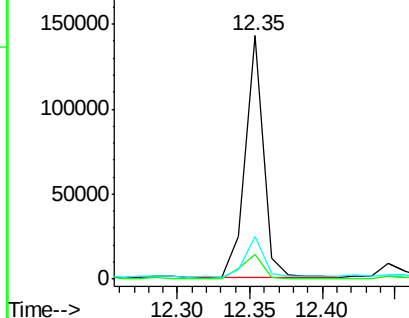
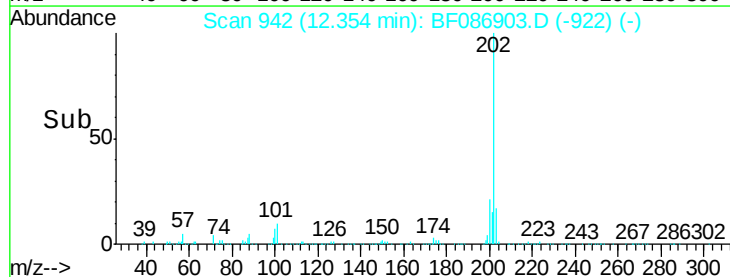
203 17.7 0.0 38.1

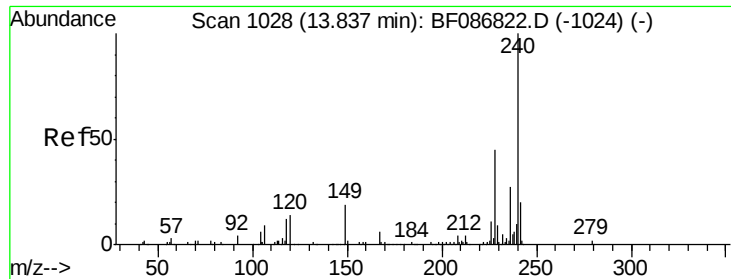


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF086903.D

Acq: 11 May 2016 22:33

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

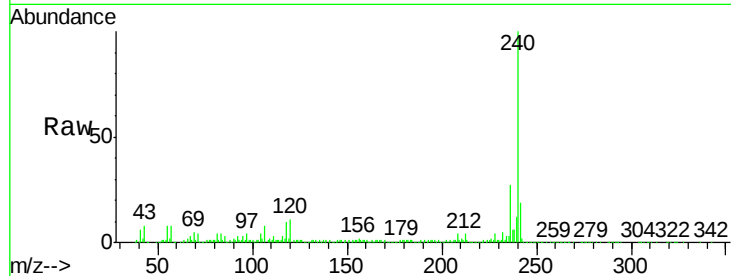
Tgt Ion:240 Resp: 391948

Ion Ratio Lower Upper

240 100

120 11.5 11.2 16.8

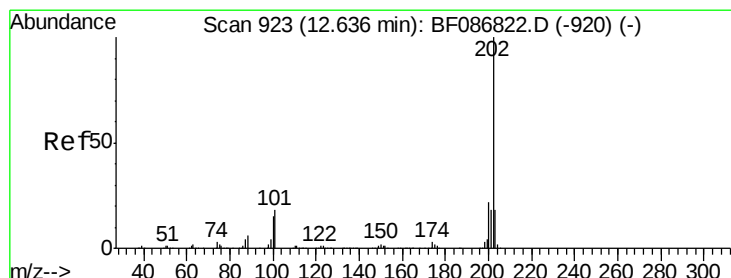
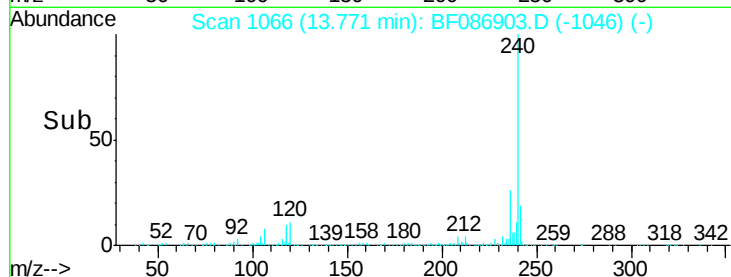
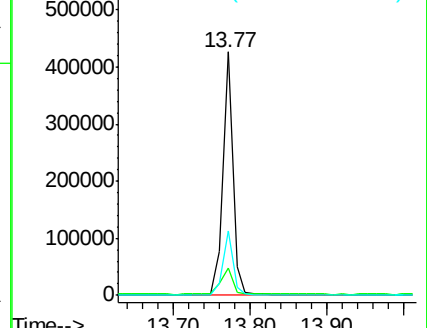
236 26.5 21.2 31.8



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: 3.64 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.07 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

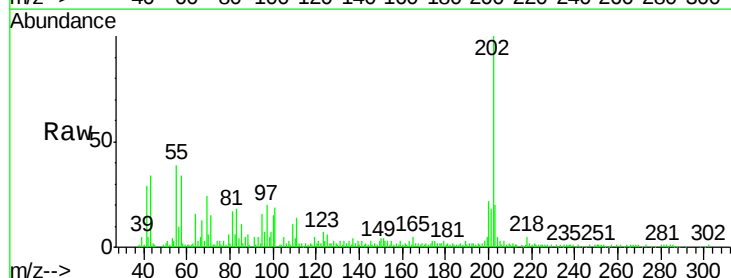
Tgt Ion:202 Resp: 109336

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

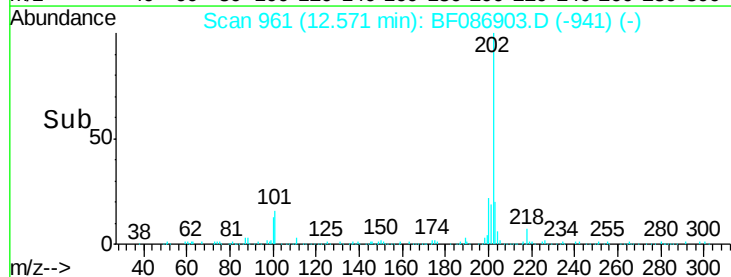
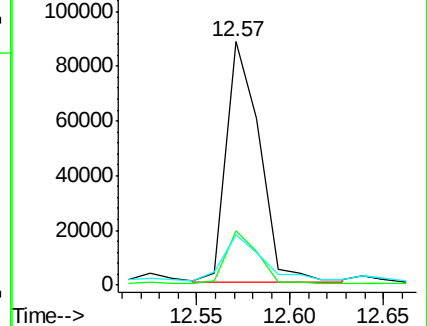
203 20.5 14.2 21.4

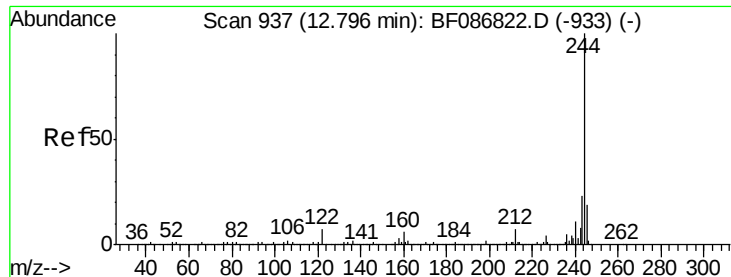


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 49.96 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

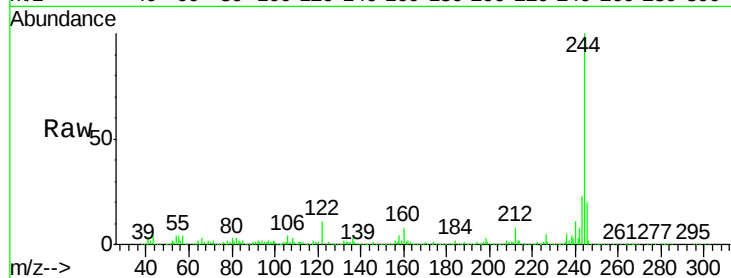
Instrument :

BNA_F

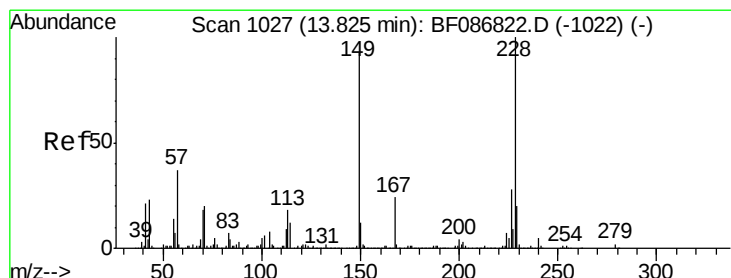
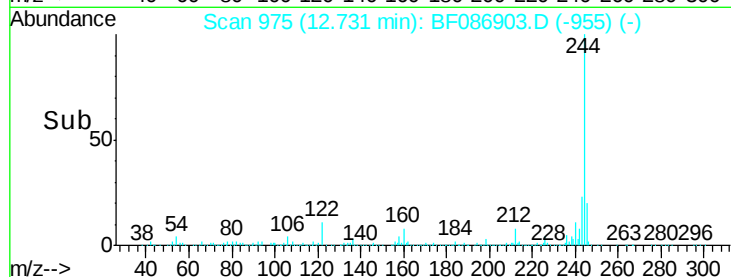
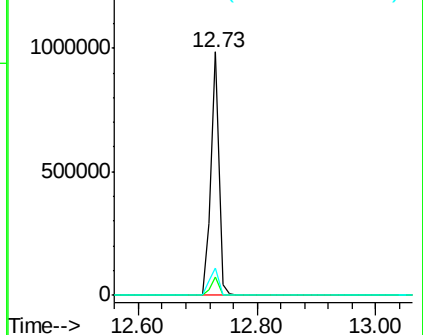
ClientSampleId :

TP25-6-7FT

Tgt Ion:244 Resp: 922997
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 11.2 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: 3.36 ng

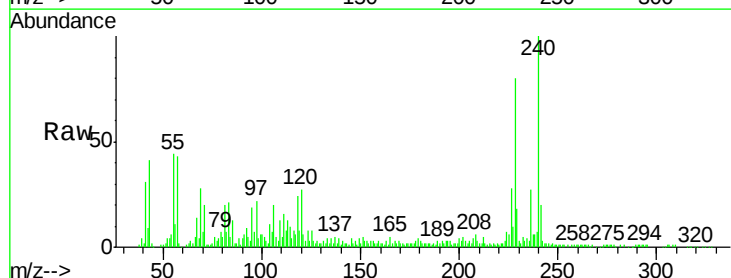
RT: 13.76 min Scan# 1065

Delta R.T. -0.07 min

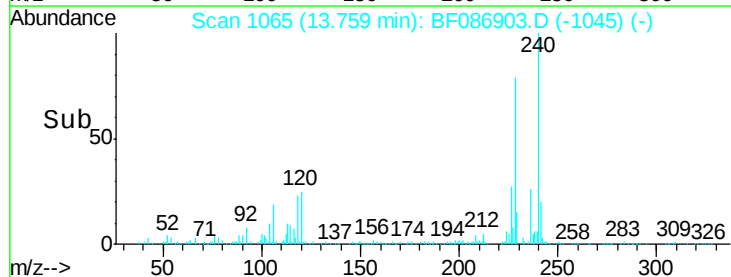
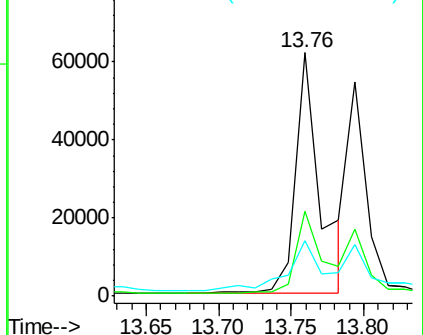
Lab File: BF086903.D

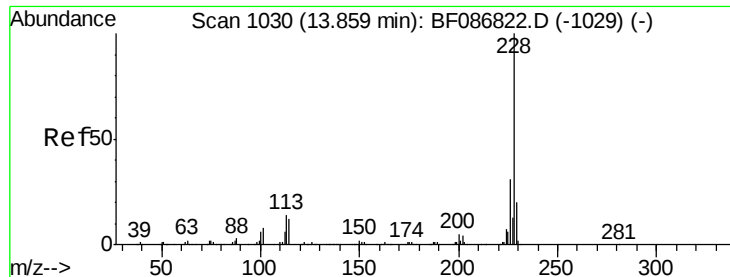
Acq: 11 May 2016 22:33

Tgt Ion:228 Resp: 73889
 Ion Ratio Lower Upper
 228 100
 226 34.8 22.5 33.7#
 229 22.5 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.30 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.10 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

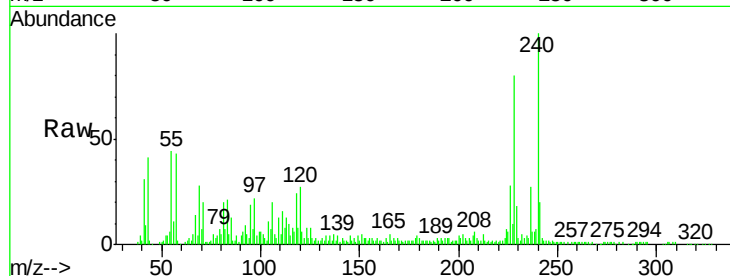
Tgt Ion:228 Resp: 73889

Ion Ratio Lower Upper

228 100

226 34.8 24.4 36.6

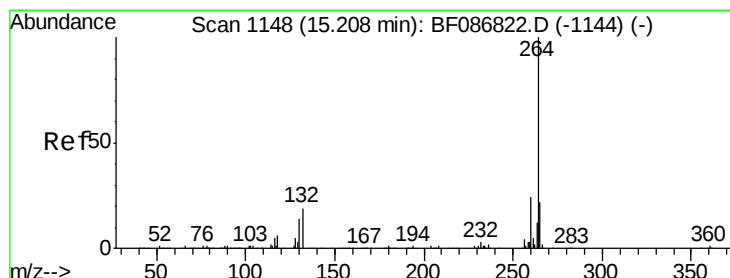
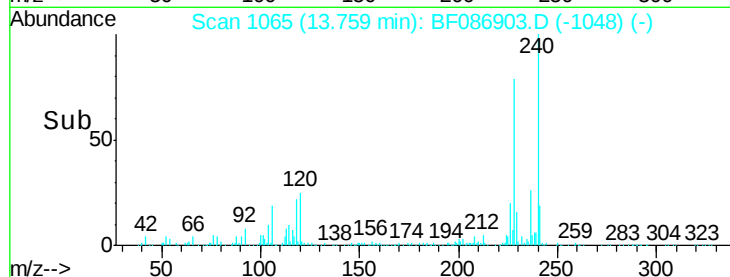
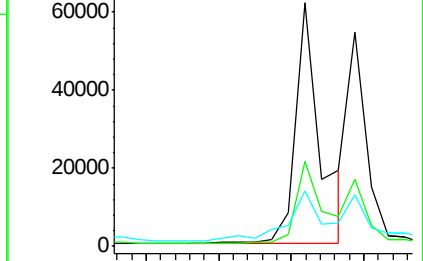
229 22.5 15.8 23.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.08 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

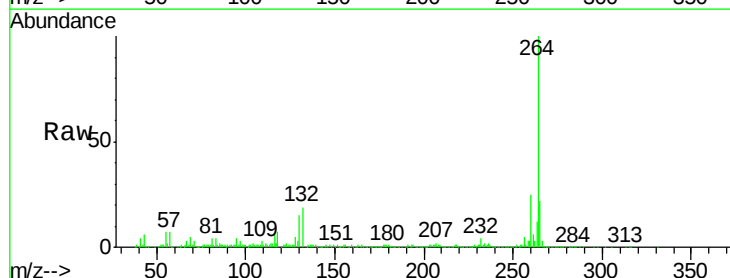
Tgt Ion:264 Resp: 310903

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

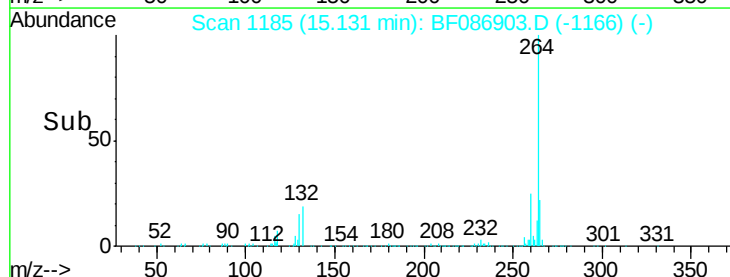
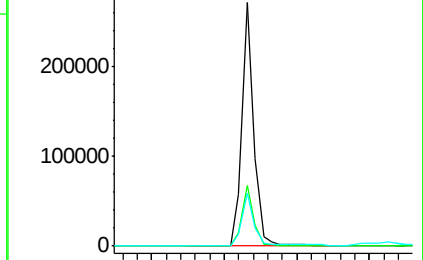
265 21.9 17.3 25.9

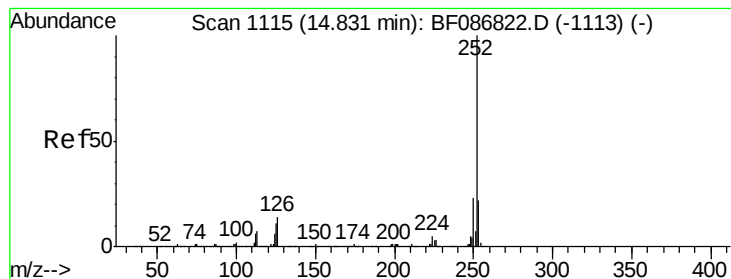


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.78 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.07 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

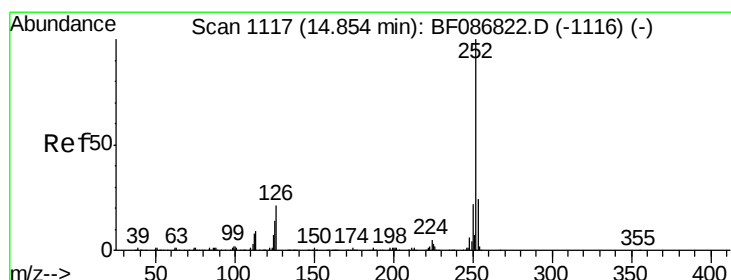
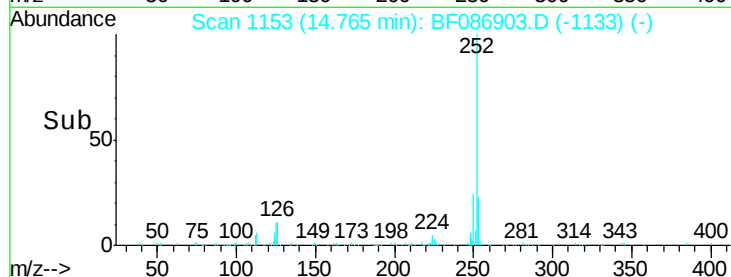
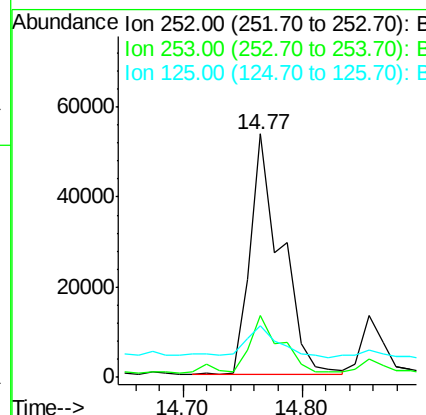
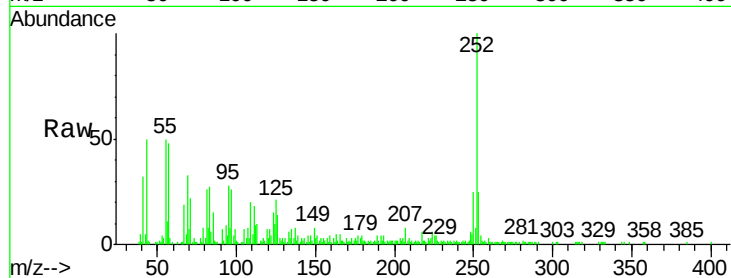
Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

Tgt Ion:	252	Resp:	96600
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.8	26.6
125	21.2	11.4	17.0#



#88

Benzo(k)fluoranthene

Concen: 5.84 ng

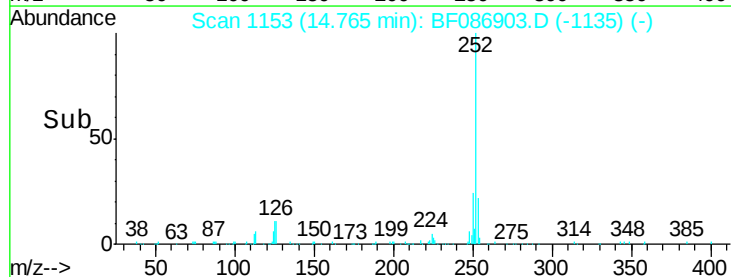
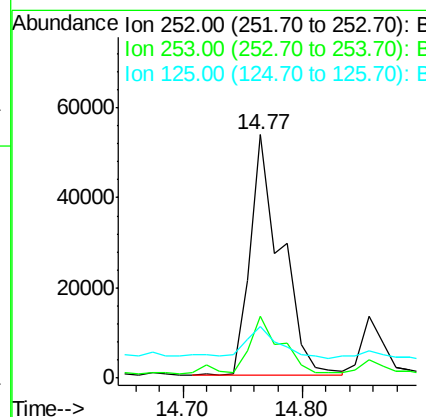
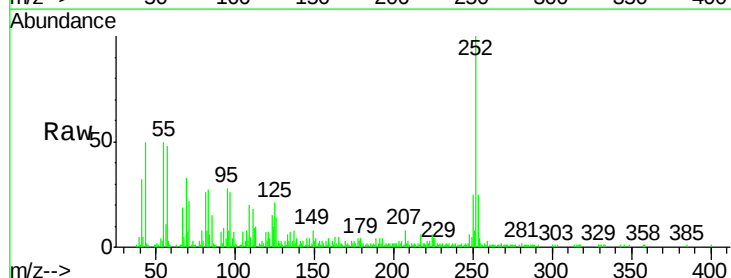
RT: 14.77 min Scan# 1153

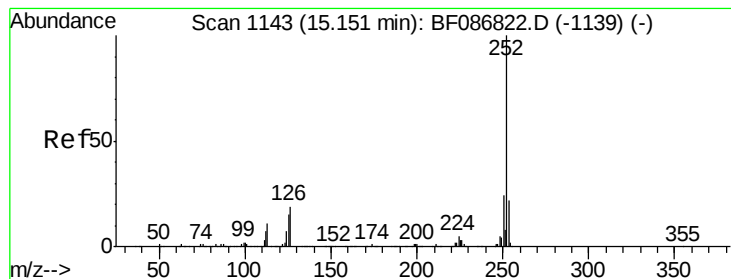
Delta R.T. -0.09 min

Lab File: BF086903.D

Acq: 11 May 2016 22:33

Tgt Ion:	252	Resp:	96600
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.8	26.6
125	21.2	9.1	13.7#





#89

Benzo(a)pyrene

Concen: 2.88 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.08 min

Lab File: BF086903.D

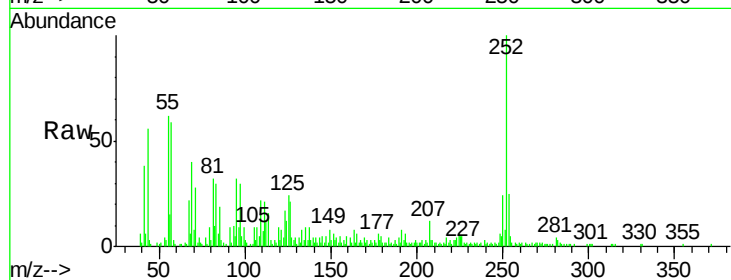
Acq: 11 May 2016 22:33

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT



Tgt Ion:	252	Resp:	50244
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	23.9	9.0	13.6

