

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086902.D
 Acq On : 11 May 2016 22:03
 Operator : UM/SJ
 Sample : H2894-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP24-7-8FT

Quant Time: May 12 00:55:23 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	153341	20.00	ng	-0.07
21) Naphthalene-d8	7.92	136	648319	20.00	ng	-0.07
38) Acenaphthene-d10	9.67	164	303454	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	498968	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	376472	20.00	ng	-0.07
86) Perylene-d12	15.13	264	309798	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1332007	147.11	ng	-0.05
7) Phenol-d6	6.30	99	1617981	133.70	ng	-0.07
23) Nitrobenzene-d5	7.21	82	1218199	94.35	ng	-0.05
41) 2,4,6-Tribromophenol	10.46	330	409147	127.36	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	1593343	88.25	ng	-0.05
78) Terphenyl-d14	12.73	244	1131016	63.74	ng	-0.07

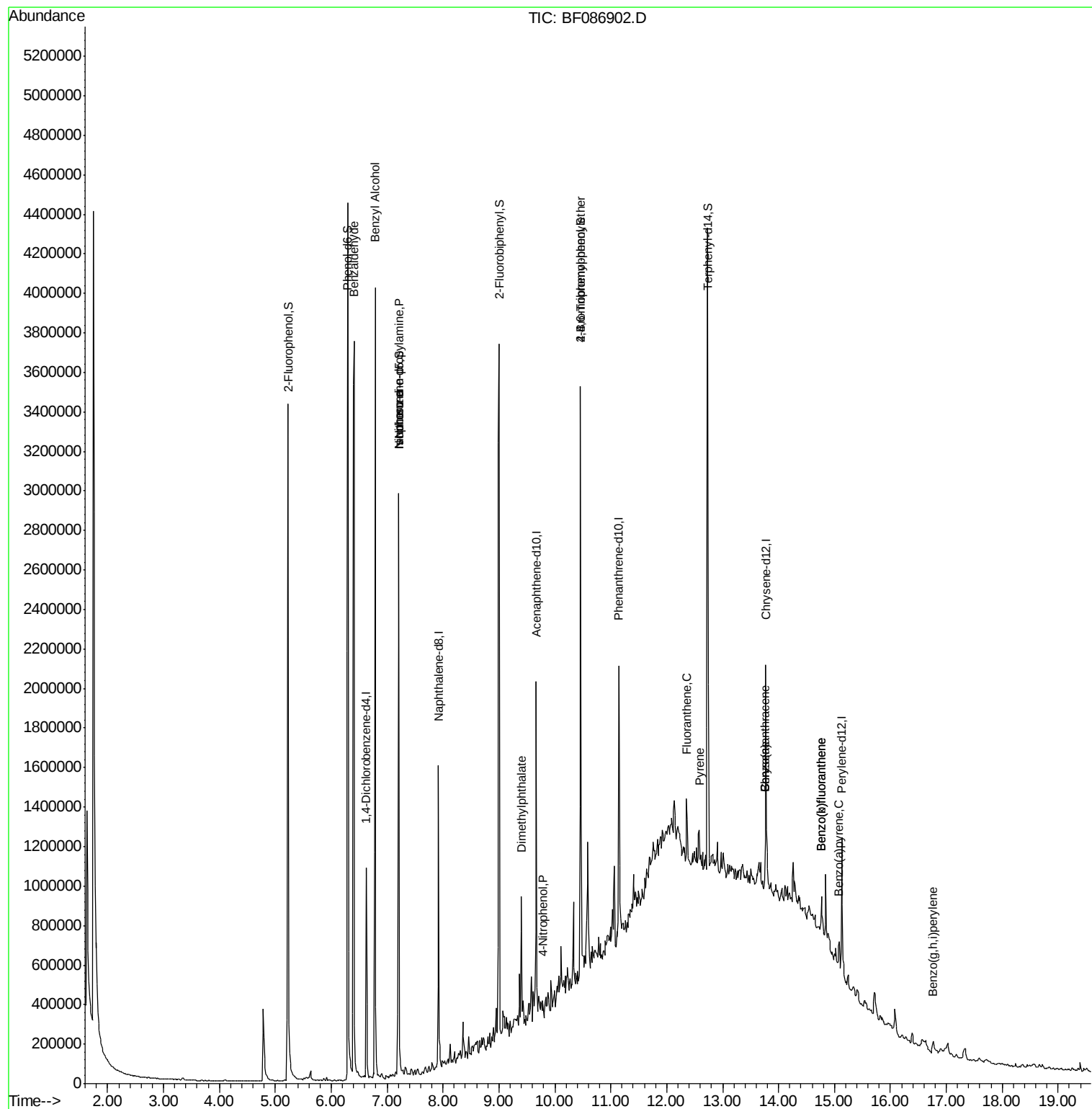
Target Compounds						Qvalue
9) Benzaldehyde	6.41	77	36345	5.19	ng	83
15) Benzyl Alcohol	6.79	79	20349	2.44	ng	# 41
19) n-Nitroso-di-n-propylamine	7.21	70	179070	21.17	ng	# 79
25) Isophorone	7.21	82	1130442	47.19	ng	# 68
49) Dimethylphthalate	9.40	163	222400	9.61	ng	99
55) 4-Nitrophenol	9.78	139	643	4.74	ng	# 1
60) 4-Chlorophenyl-phenylether	10.20	204	890	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.46	248	23523	4.65	ng	# 1
74) Fluoranthene	12.35	202	139553	5.10	ng	95
77) Pyrene	12.58	202	130140	4.52	ng	98
80) Benzo(a)anthracene	13.76	228	73099	3.46	ng	93
82) Chrysene	13.76	228	73099	3.40	ng	95
87) Benzo(b)fluoranthene	14.77	252	99681	4.95	ng	# 89
88) Benzo(k)fluoranthene	14.77	252	99681	6.05	ng	# 87
89) Benzo(a)pyrene	15.09	252	50302	2.90	ng	# 83
91) Benzo(g,h,i)perylene	16.77	276	31687	2.13	ng	94

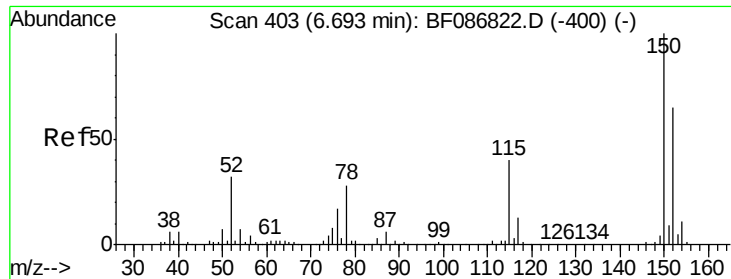
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086902.D
Acq On : 11 May 2016 22:03
Operator : UM/SJ
Sample : H2894-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

Quant Time: May 12 00:55:23 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.07 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

Instrument :

BNA_F

ClientSampleId :

TP24-7-8FT

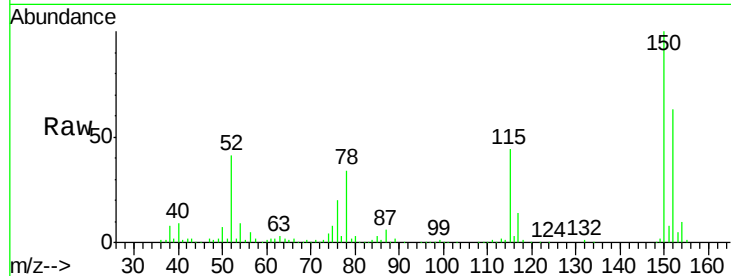
Tgt Ion:152 Resp: 153341

Ion Ratio Lower Upper

152 100

150 157.9 125.8 188.6

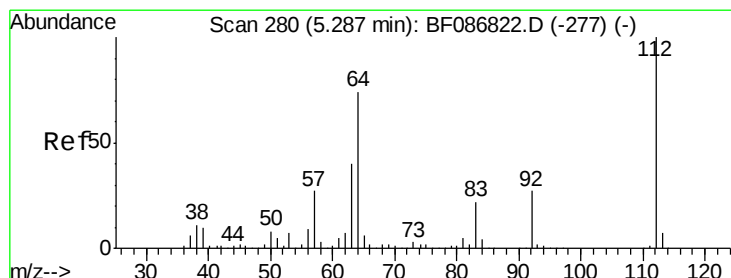
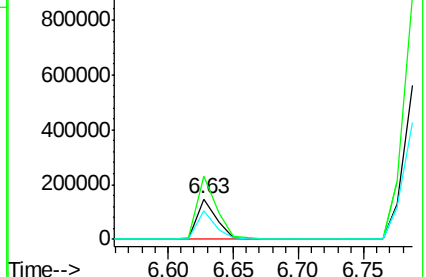
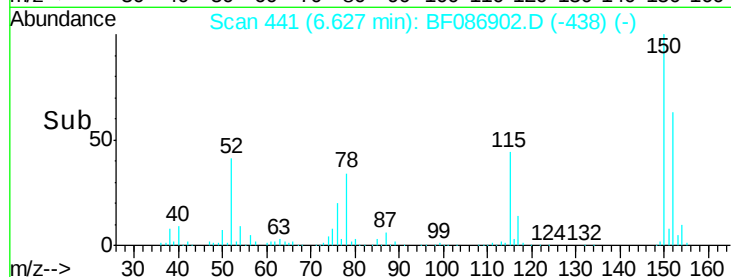
115 69.8 51.5 77.3



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: 147.11 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.05 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

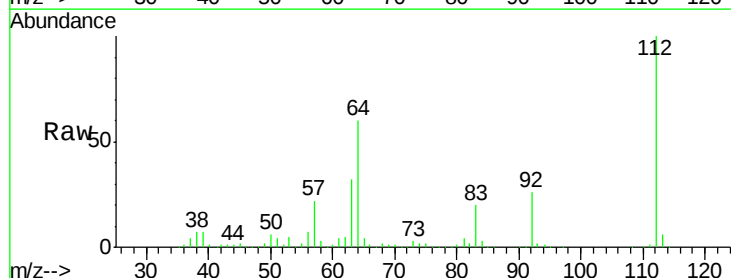
Tgt Ion:112 Resp: 1332007

Ion Ratio Lower Upper

112 100

64 59.8 52.1 78.1

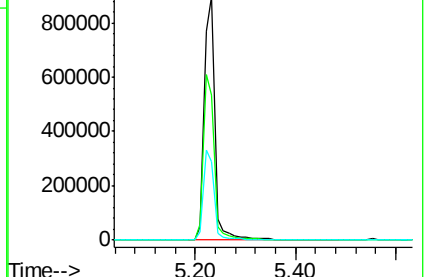
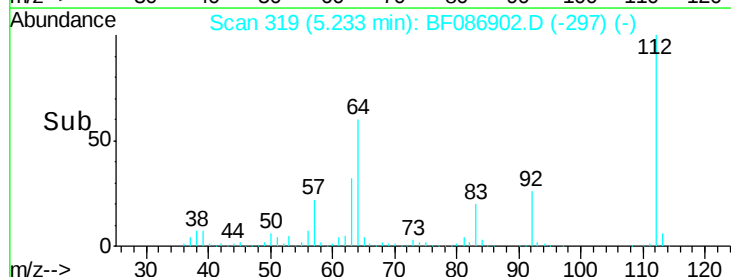
63 32.4 25.7 38.5

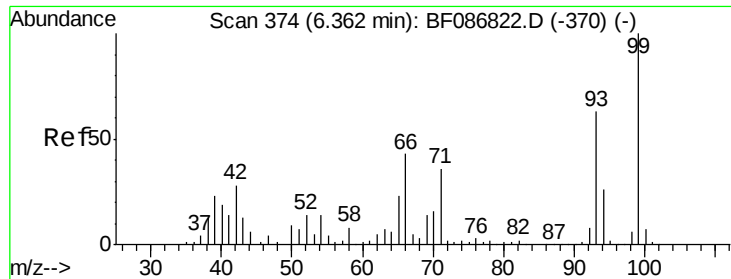


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 133.70 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.07 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

Instrument :

BNA_F

ClientSampleId :

TP24-7-8FT

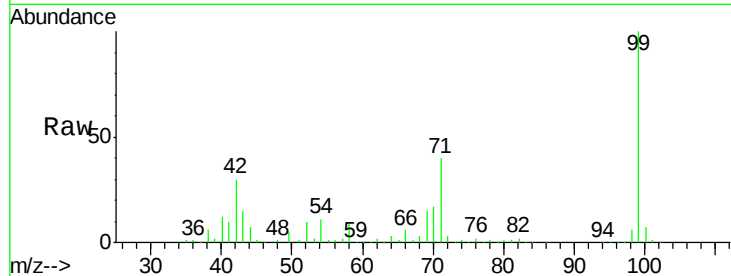
Tgt Ion: 99 Resp: 1617981

Ion Ratio Lower Upper

99 100

42 30.4 13.6 20.4#

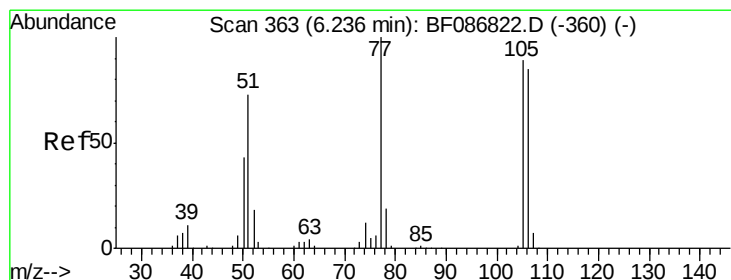
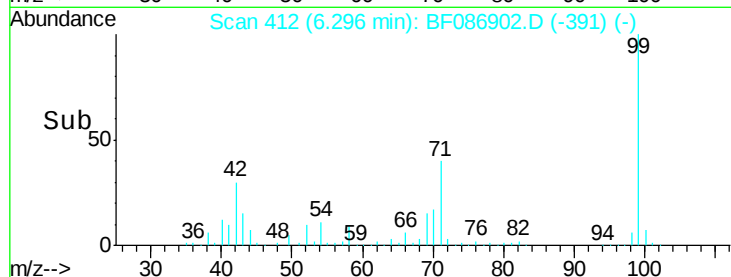
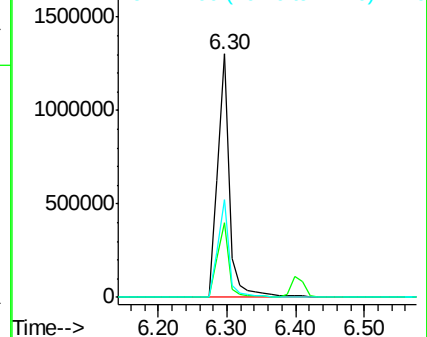
71 40.2 24.6 36.8#



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



#9

Benzaldehyde

Concen: 5.19 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.17 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

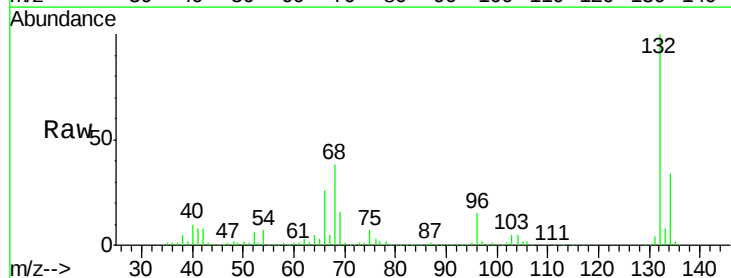
Tgt Ion: 77 Resp: 36345

Ion Ratio Lower Upper

77 100

105 80.1 72.7 112.7

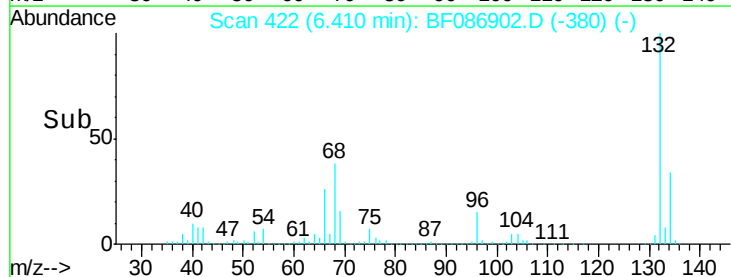
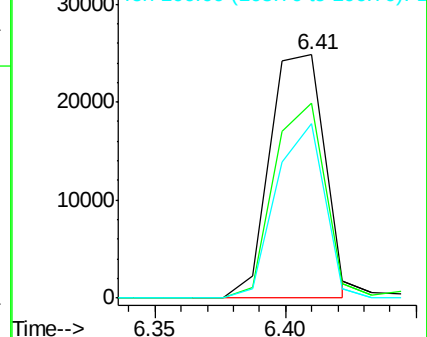
106 71.5 70.8 110.8

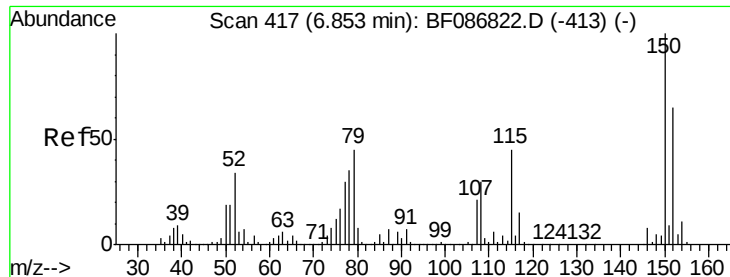


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

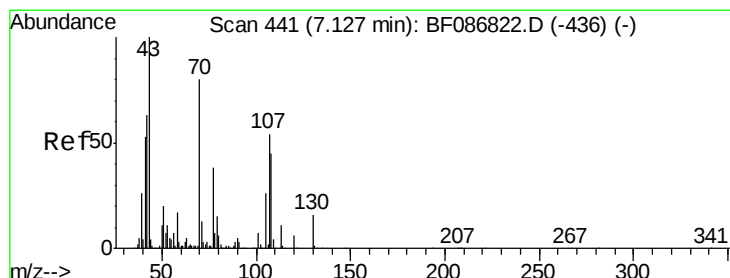
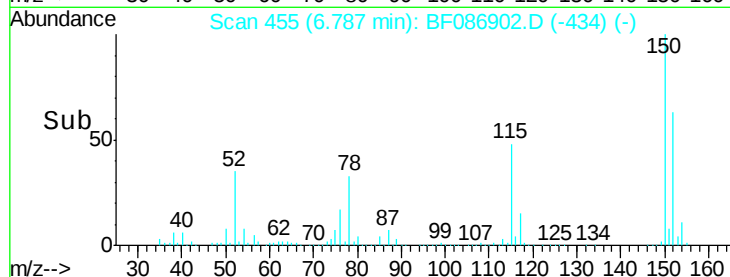
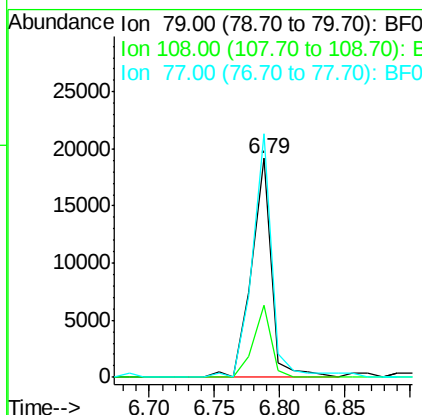
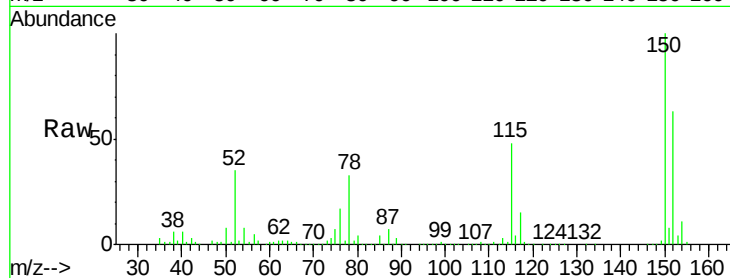




#15
Benzyl Alcohol
Concen: 2.44 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.07 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

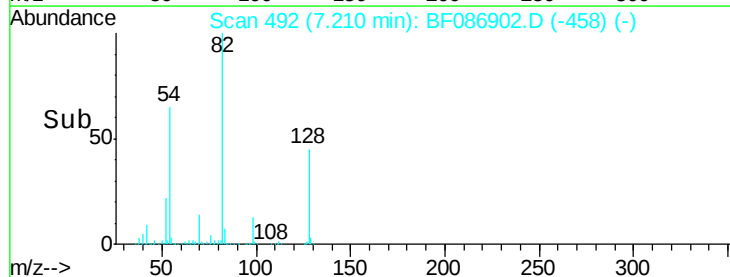
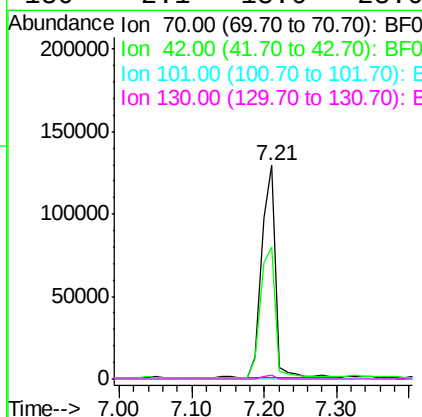
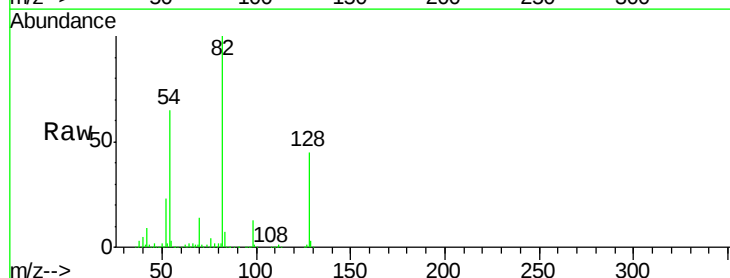
Instrument :
BNA_F
ClientSampled :
TP24-7-8FT

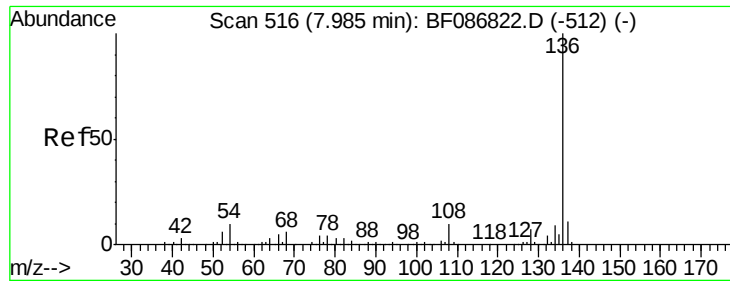
Tgt Ion: 79 Resp: 20349
Ion Ratio Lower Upper
79 100
108 32.7 68.4 102.6#
77 111.1 50.6 76.0#



#19
n-Nitroso-di-n-propylamine
Concen: 21.17 ng
RT: 7.21 min Scan# 492
Delta R.T. 0.08 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion: 70 Resp: 179070
Ion Ratio Lower Upper
70 100
42 61.6 43.1 64.7
101 0.0 8.1 12.1#
130 2.1 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: BF086902.D

Acq: 11 May 2016 22:03

Instrument :

BNA_F

ClientSampleId :

TP24-7-8FT

Tgt Ion:136 Resp: 648319

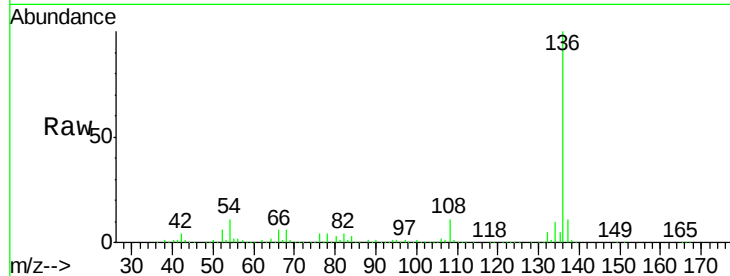
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 11.4 5.0 7.4#

68 6.3 4.4 6.6

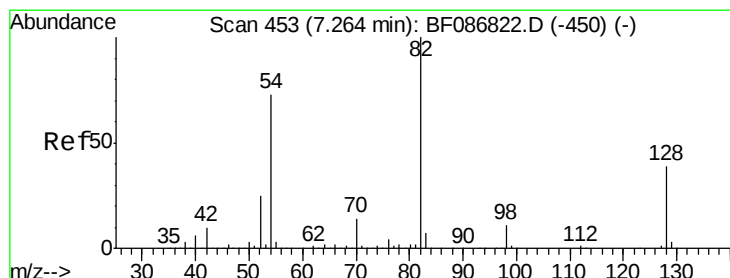
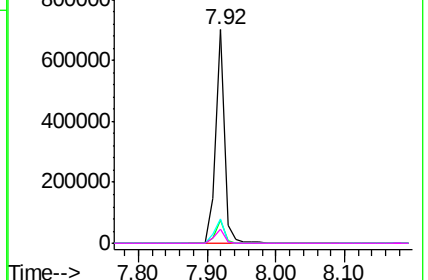
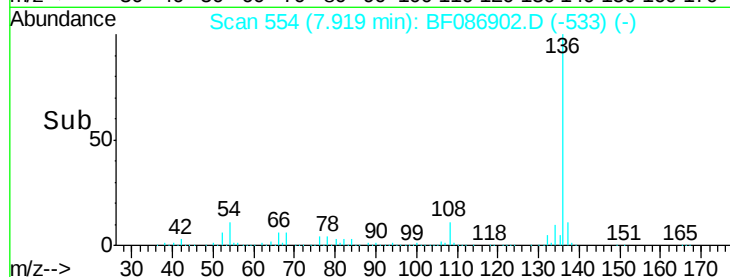


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.35 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.05 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

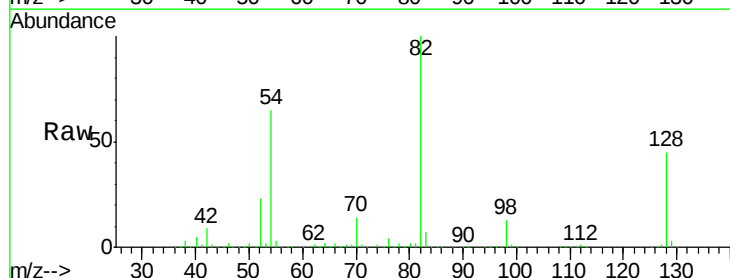
Tgt Ion: 82 Resp: 1218199

Ion Ratio Lower Upper

82 100

128 44.9 40.6 61.0

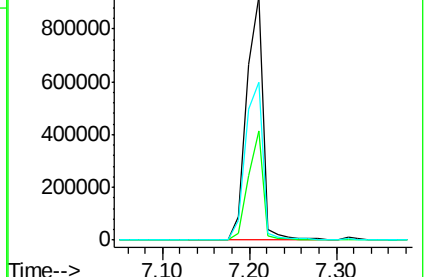
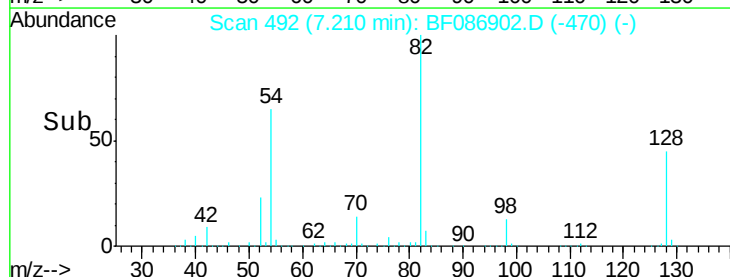
54 64.8 38.1 57.1#

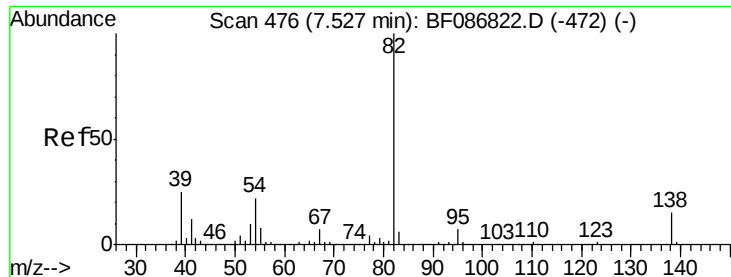


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

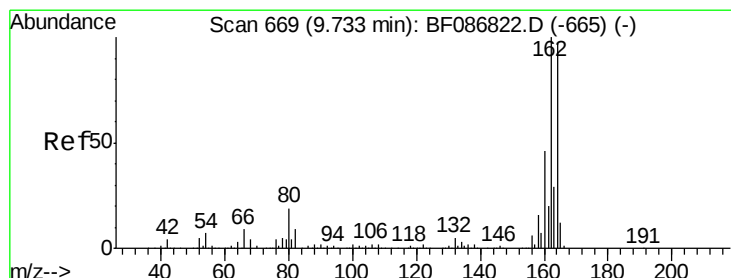
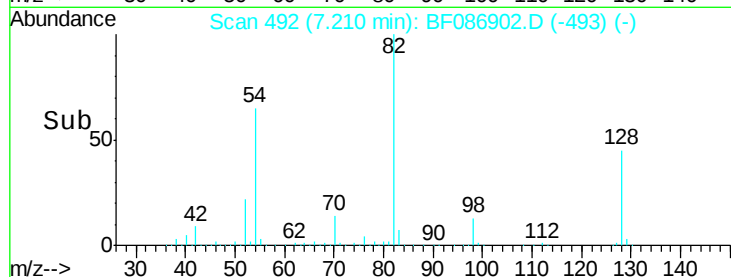
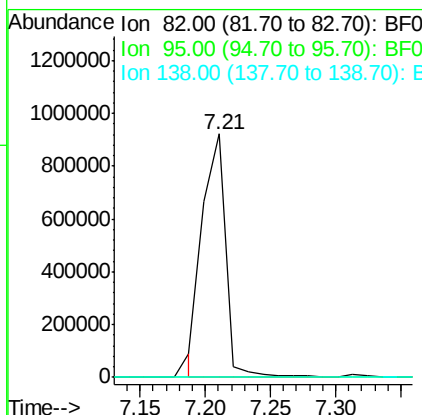
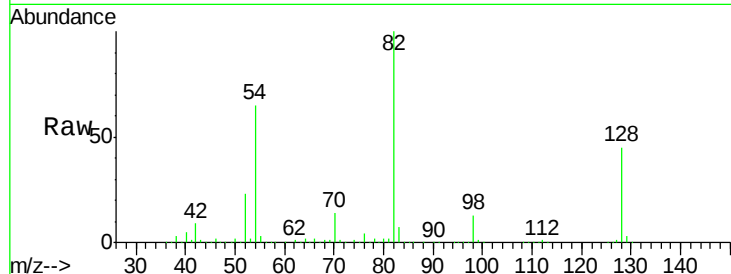




#25
Isophorone
Concen: 47.19 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.32 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

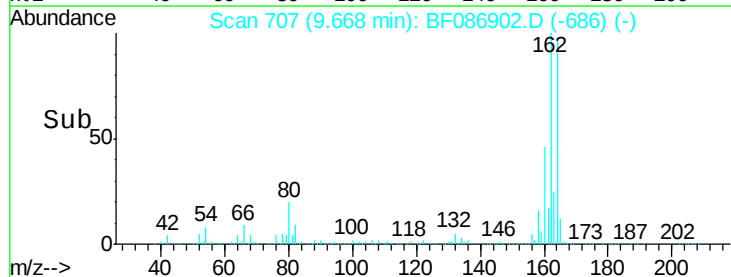
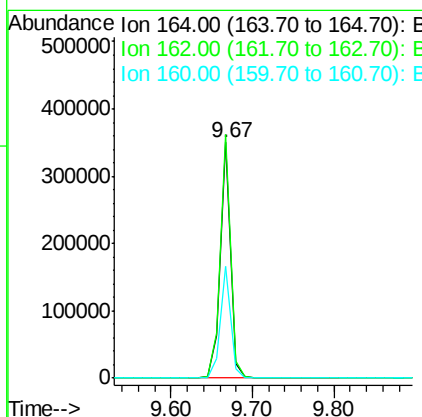
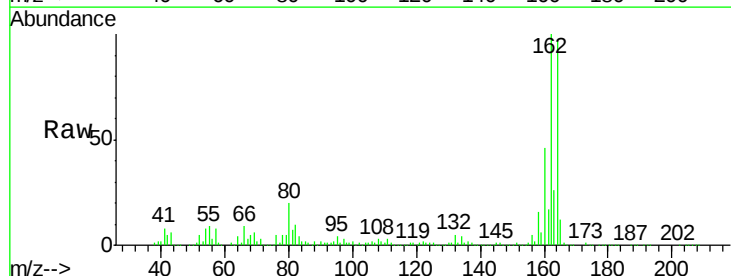
Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

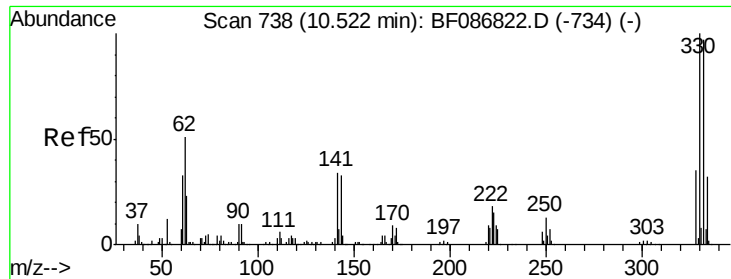
Tgt Ion: 82 Resp: 1130442
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.4 18.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.07 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion: 164 Resp: 303454
Ion Ratio Lower Upper
164 100
162 103.3 82.8 124.2
160 47.4 36.9 55.3

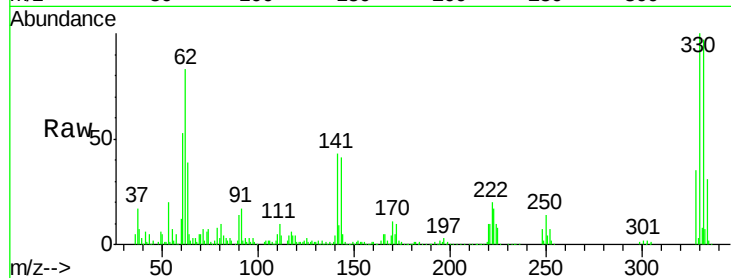




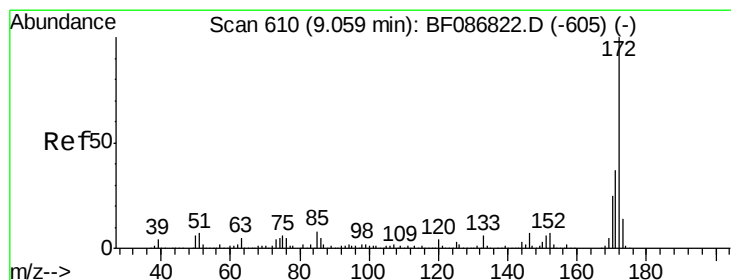
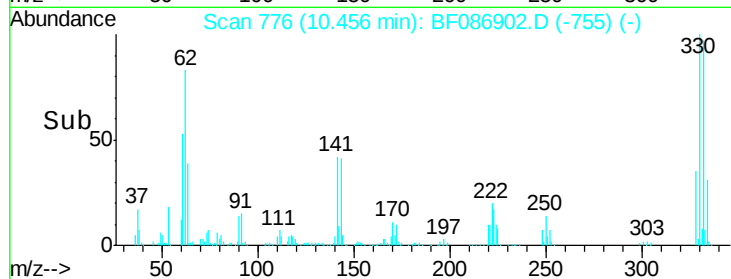
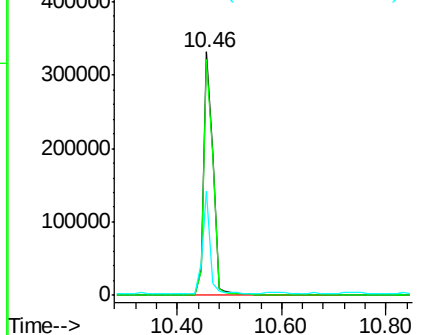
#41
 2,4,6-Tribromophenol
 Concen: 127.36 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.07 min
 Lab File: BF086902.D
 Acq: 11 May 2016 22:03

Instrument :
 BNA_F
 ClientSampleId :
 TP24-7-8FT

Tgt Ion:330 Resp: 409147
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.0 118.4
 141 35.9 31.2 46.8

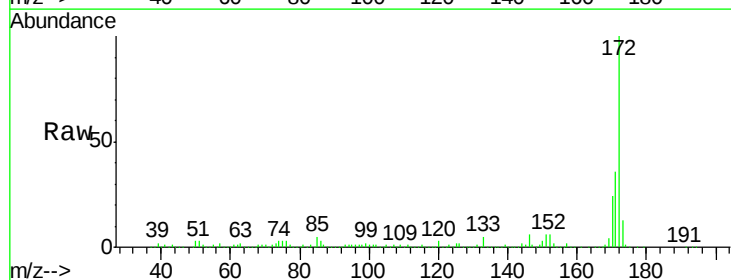


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

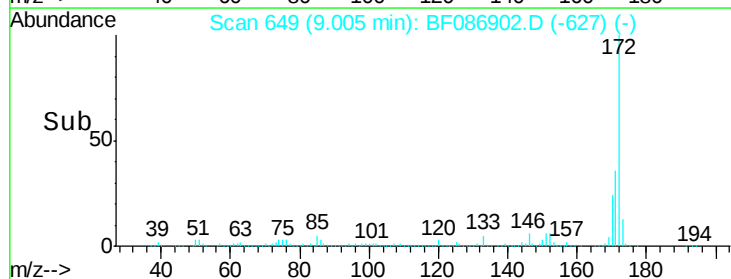
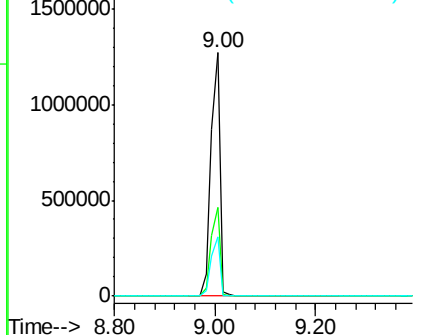


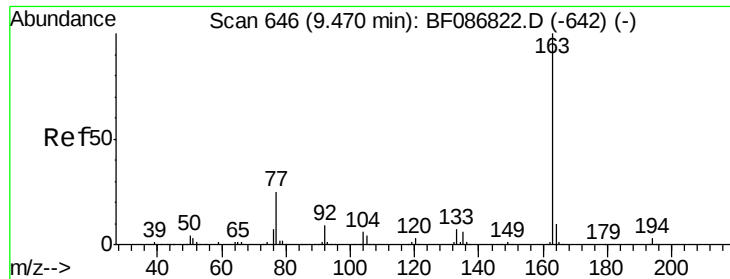
#44
 2-Fluorobiphenyl
 Concen: 88.25 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.05 min
 Lab File: BF086902.D
 Acq: 11 May 2016 22:03

Tgt Ion:172 Resp: 1593343
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.4 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: 9.61 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.07 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

Instrument :

BNA_F

ClientSampleId :

TP24-7-8FT

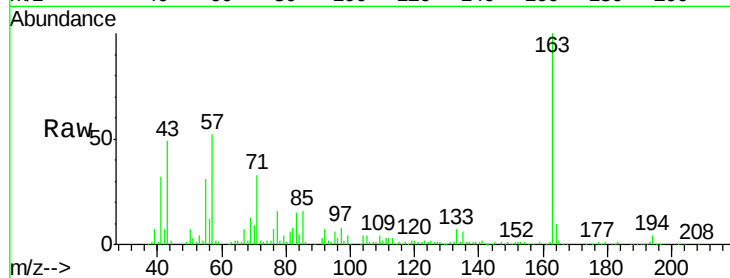
Tgt Ion:163 Resp: 222400

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

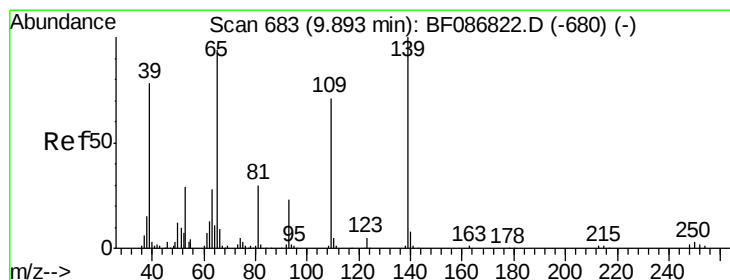
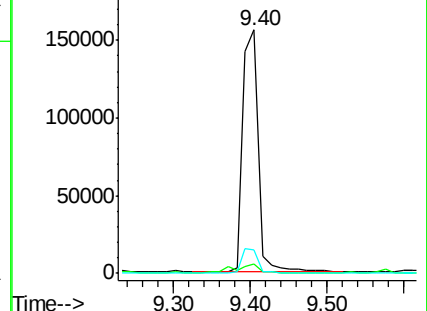
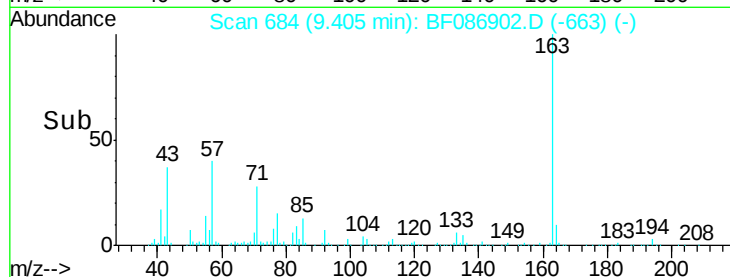
164 9.8 8.2 12.4



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: 9.78 min Scan# 717

Delta R.T. -0.11 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

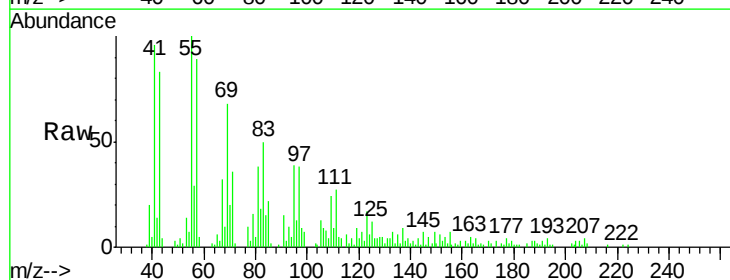
Tgt Ion:139 Resp: 643

Ion Ratio Lower Upper

139 100

109 527.7 36.9 76.9#

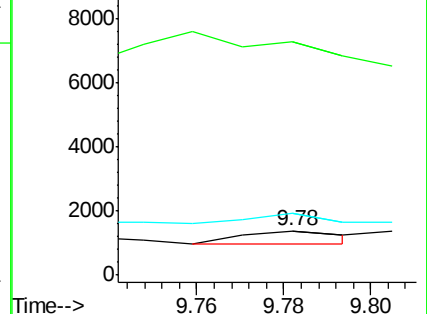
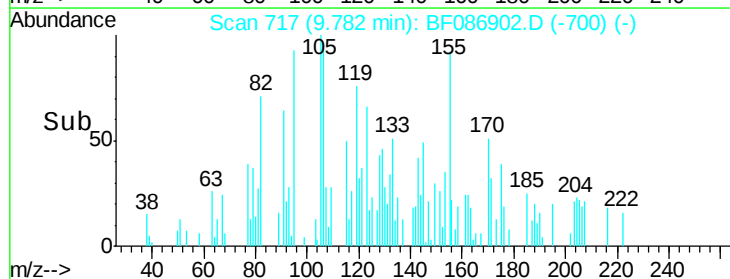
65 140.9 64.0 104.0#

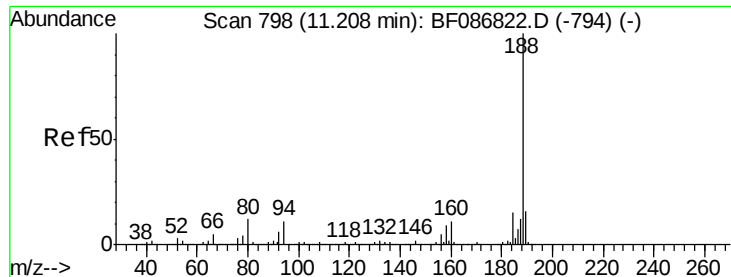


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.07 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

Instrument :

BNA_F

ClientSampleId :

TP24-7-8FT

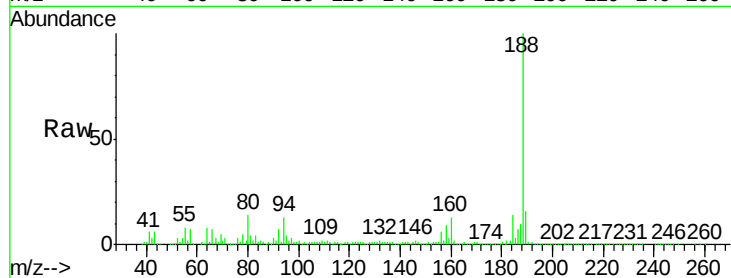
Tgt Ion:188 Resp: 498968

Ion Ratio Lower Upper

188 100

94 12.6 6.8 10.2#

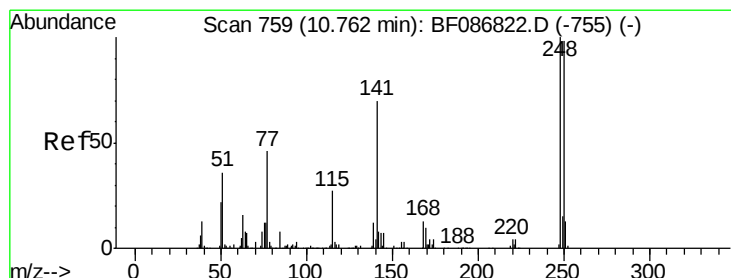
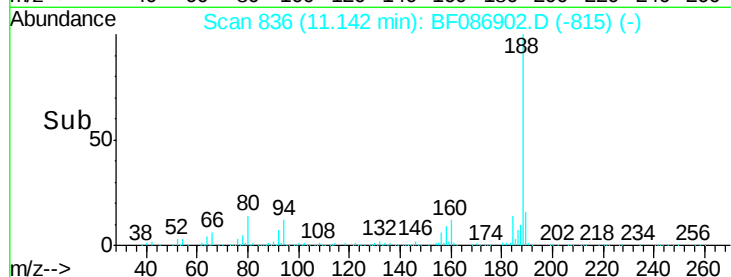
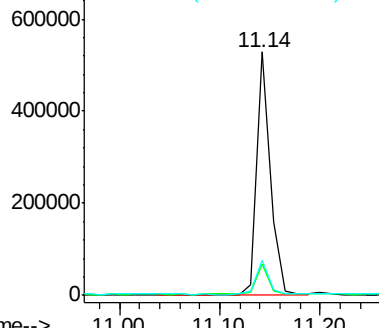
80 14.3 7.1 10.7#



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: 4.65 ng

RT: 10.46 min Scan# 776

Delta R.T. -0.31 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

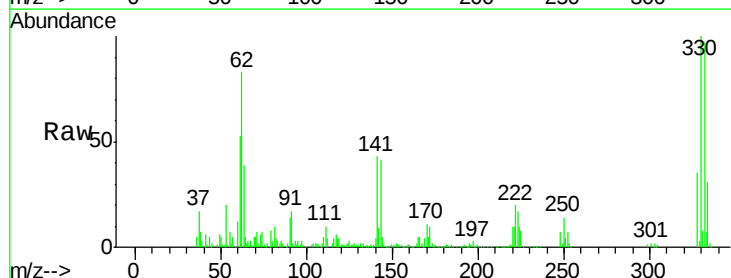
Tgt Ion:248 Resp: 23523

Ion Ratio Lower Upper

248 100

250 198.0 78.6 117.8#

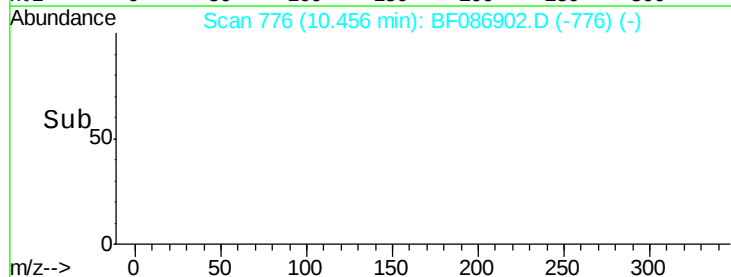
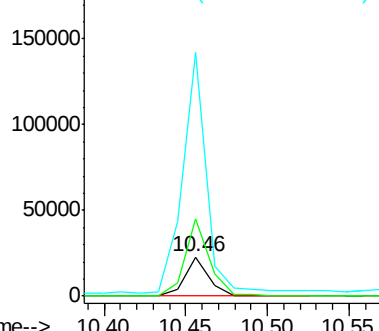
141 621.8 76.0 114.0#

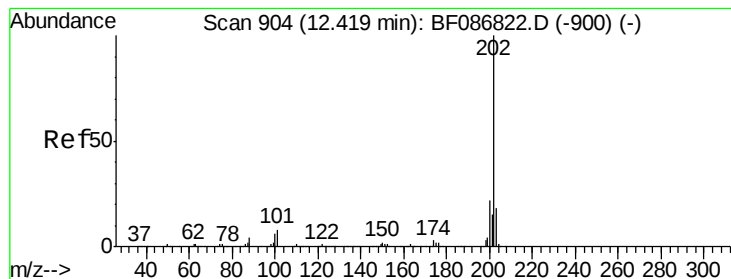


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 5.10 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

Instrument :

BNA_F

ClientSampleId :

TP24-7-8FT

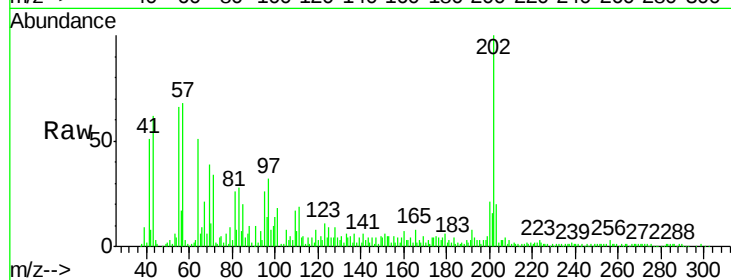
Tgt Ion:202 Resp: 139553

Ion Ratio Lower Upper

202 100

101 18.0 0.0 35.4

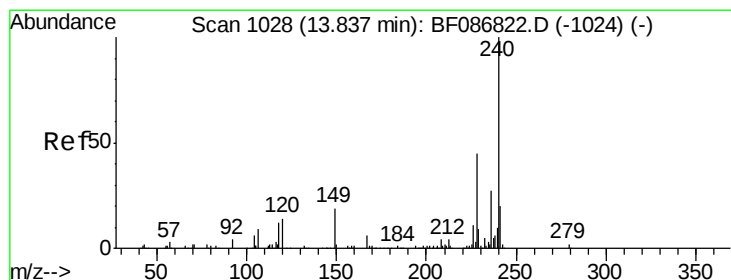
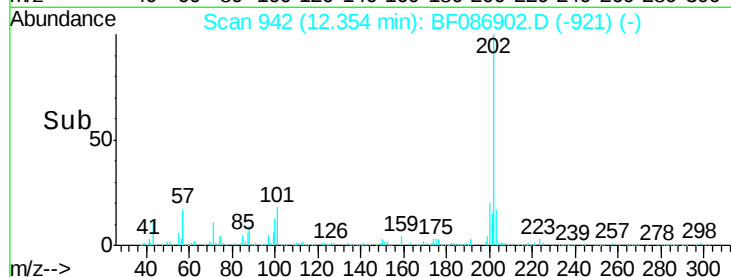
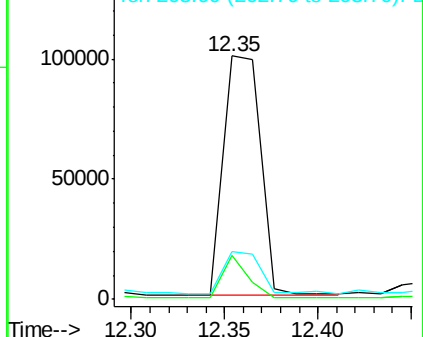
203 19.5 0.0 38.1



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: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.07 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

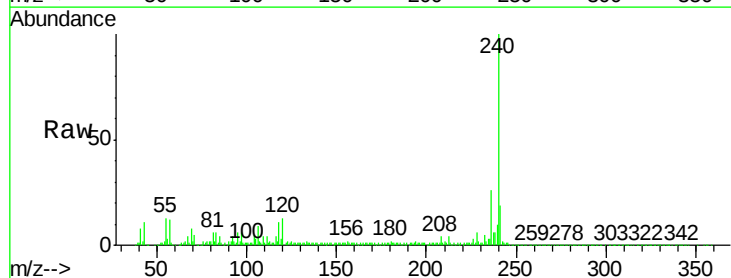
Tgt Ion:240 Resp: 376472

Ion Ratio Lower Upper

240 100

120 13.0 11.2 16.8

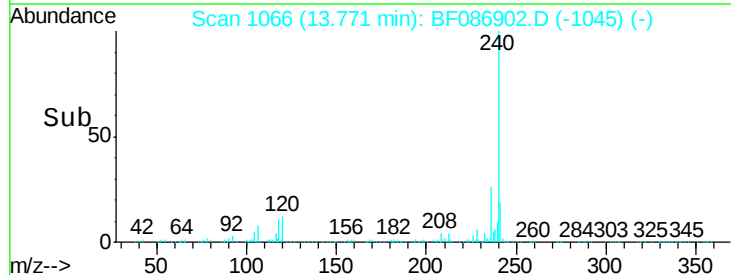
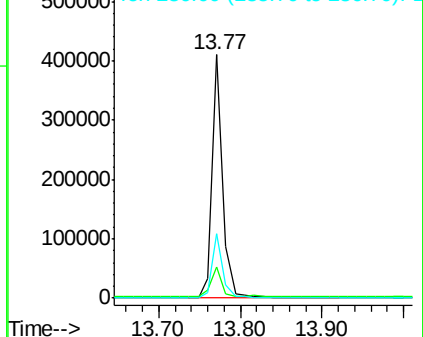
236 26.4 21.2 31.8

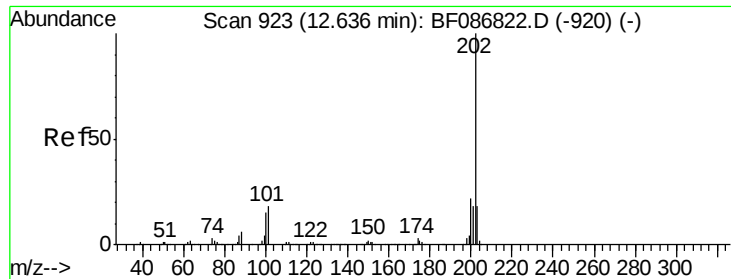


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.52 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.05 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

Instrument :

BNA_F

ClientSampleId :

TP24-7-8FT

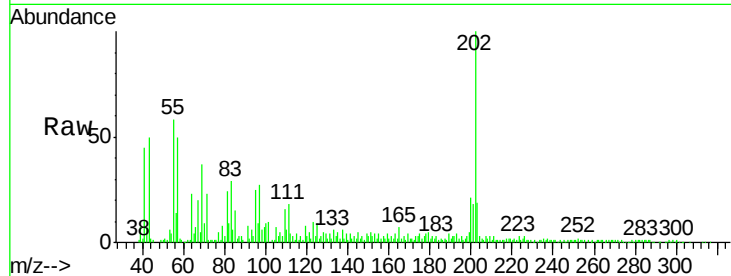
Tgt Ion:202 Resp: 130140

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

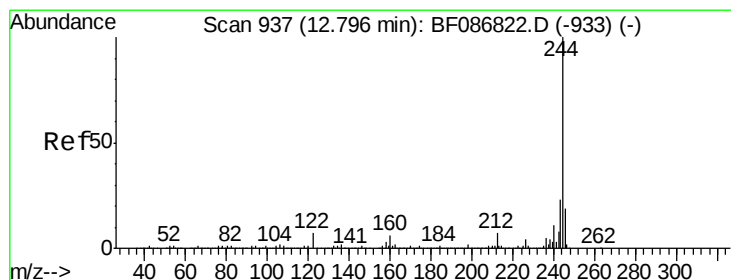
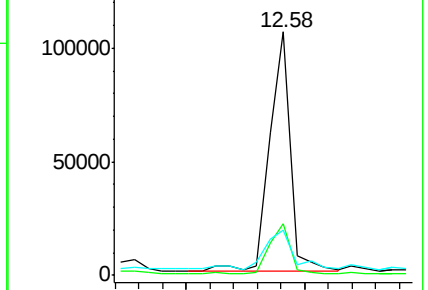
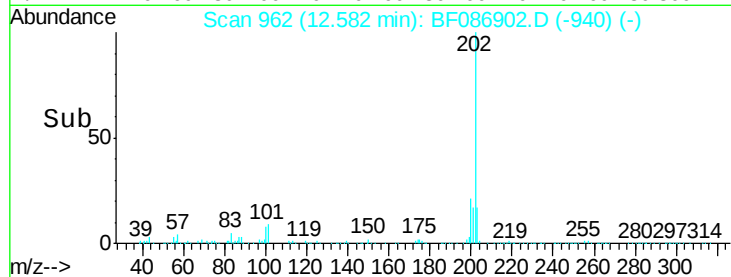
203 18.6 14.2 21.4



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: 63.74 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

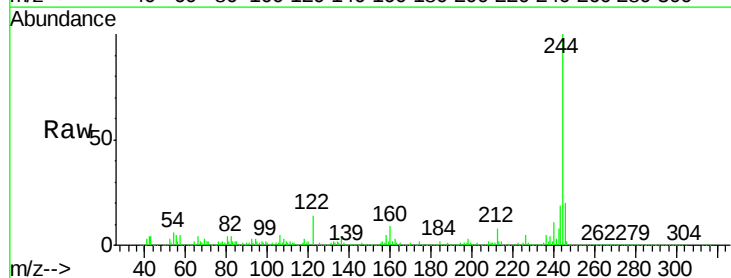
Tgt Ion:244 Resp: 1131016

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

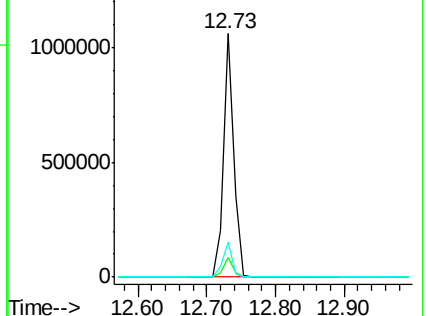
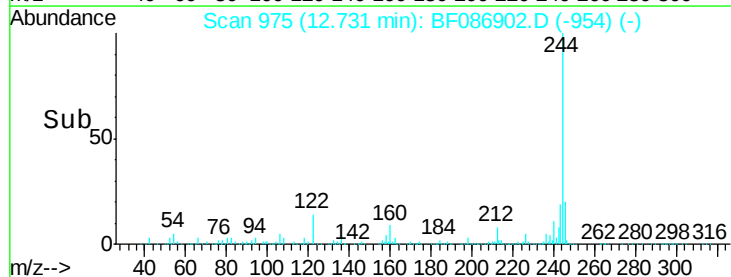
122 14.3 12.0 18.0

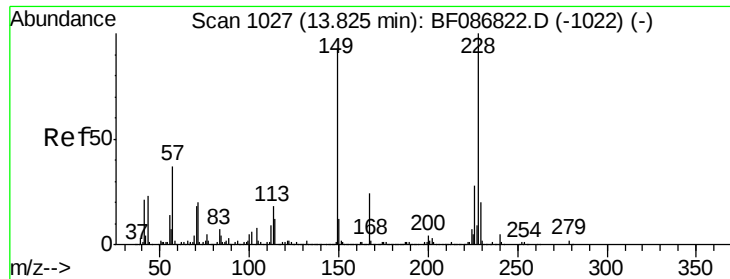


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.46 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.07 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

Instrument :

BNA_F

ClientSampleId :

TP24-7-8FT

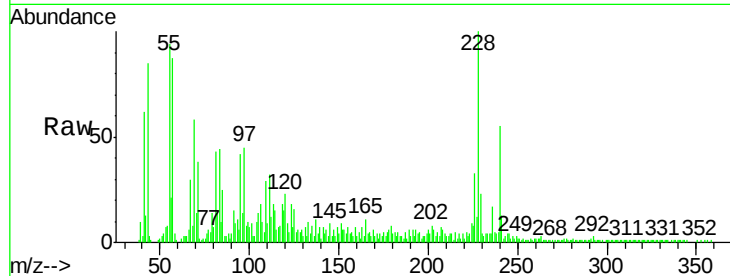
Tgt Ion:228 Resp: 73099

Ion Ratio Lower Upper

228 100

226 32.5 22.5 33.7

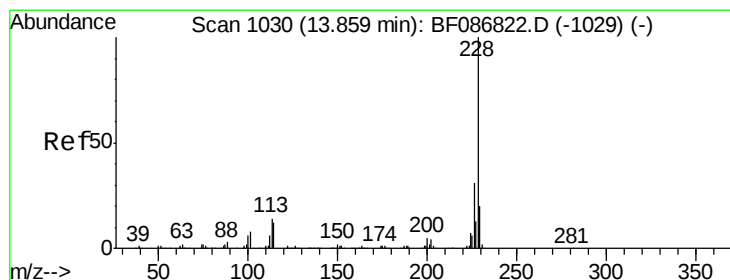
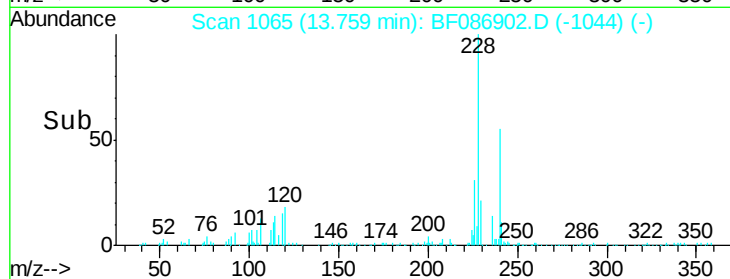
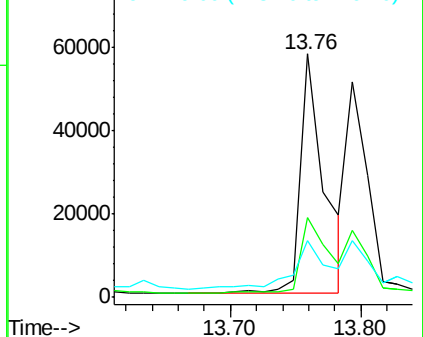
229 23.5 16.6 25.0



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: 3.40 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.10 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

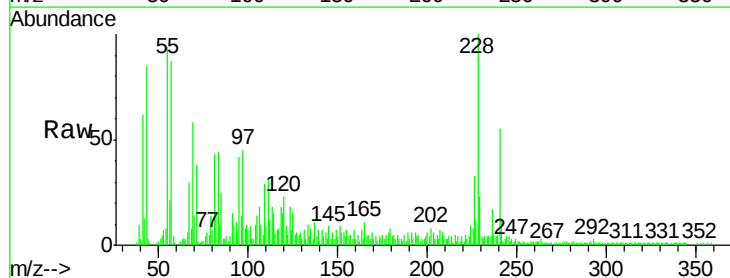
Tgt Ion:228 Resp: 73099

Ion Ratio Lower Upper

228 100

226 32.5 24.4 36.6

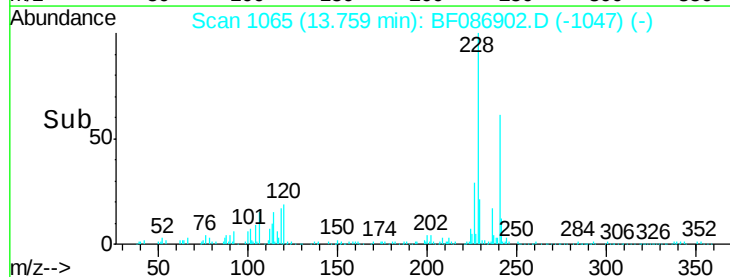
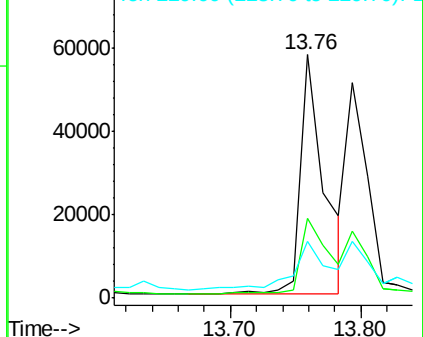
229 23.5 15.8 23.8

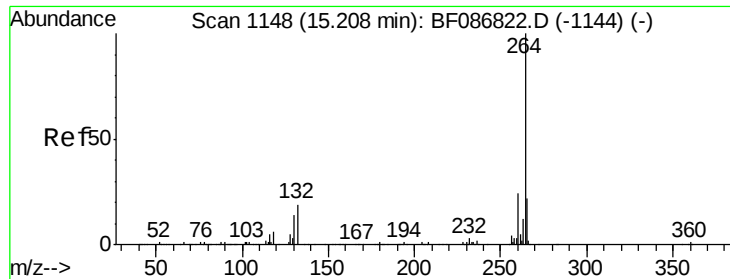


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

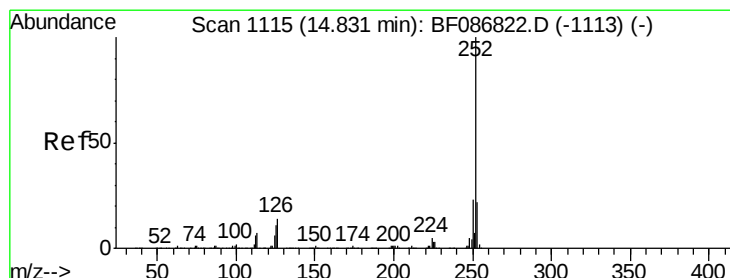
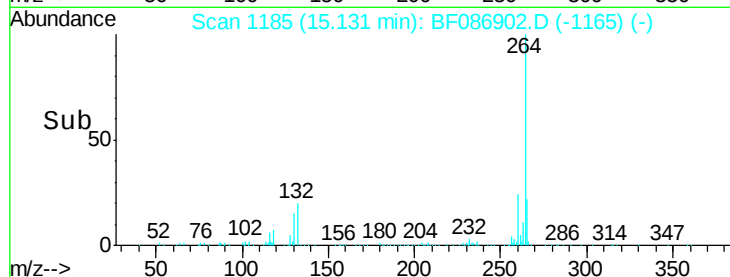
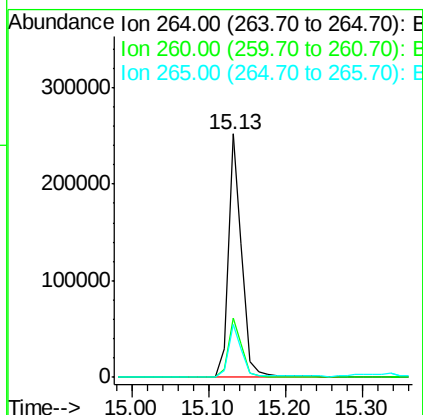
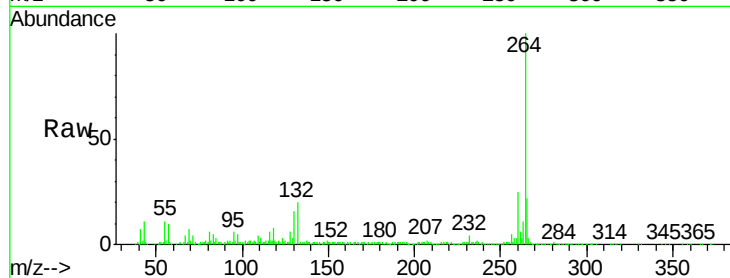




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

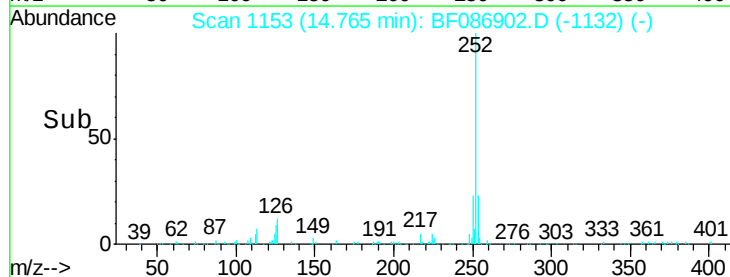
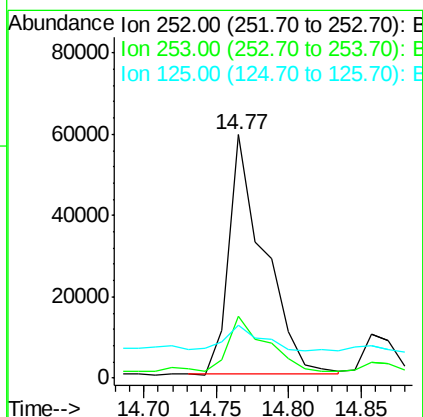
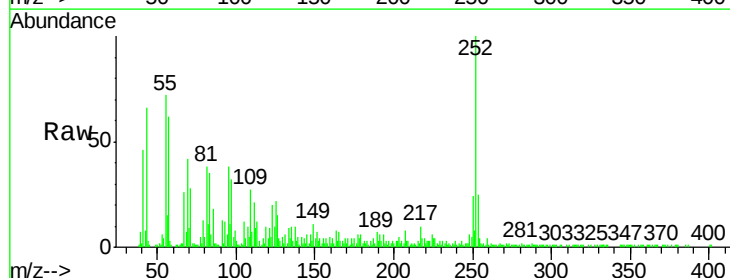
Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

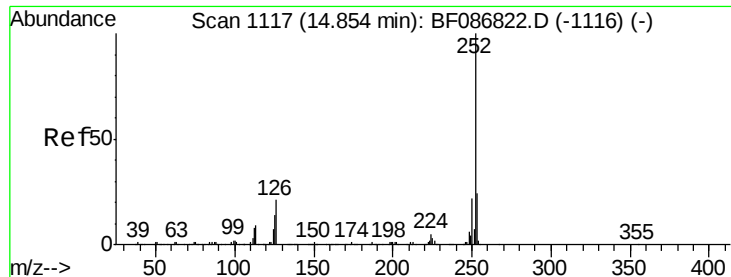
Tgt Ion:264 Resp: 309798
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.8 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.95 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:252 Resp: 99681
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.6
125 22.0 11.4 17.0#

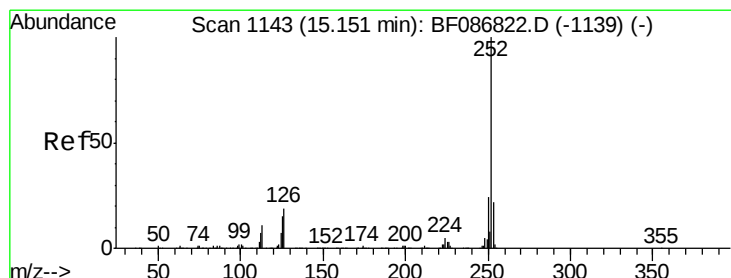
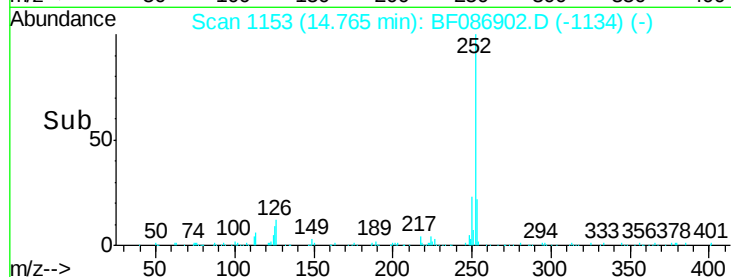
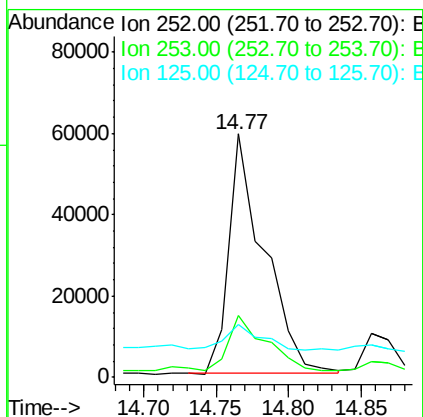
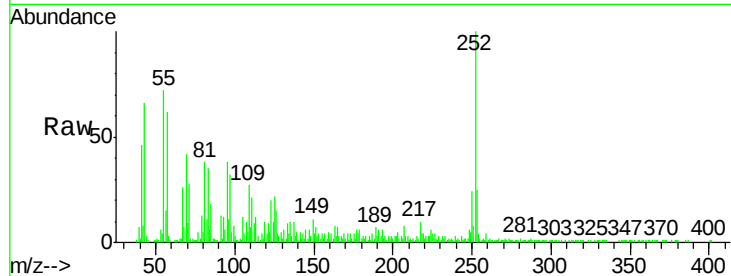




#88
Benzo(k)fluoranthene
Concen: 6.05 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.09 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

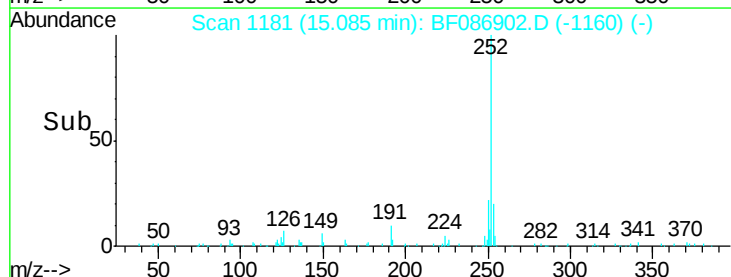
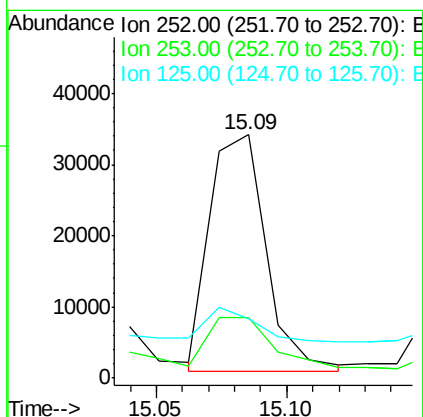
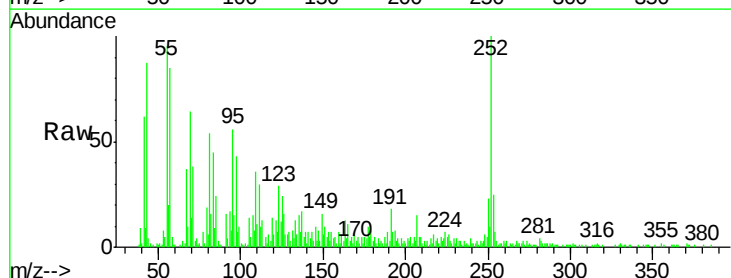
Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

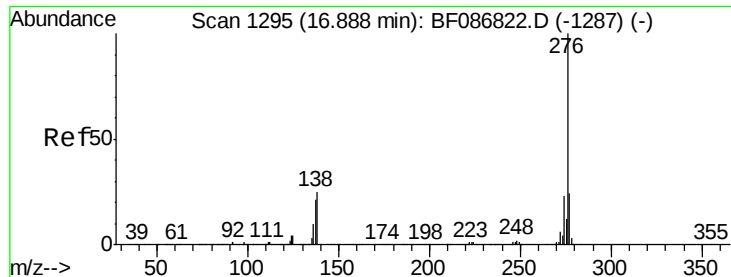
Tgt Ion: 252 Resp: 99681
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.6
125 22.0 9.1 13.7#



#89
Benzo(a)pyrene
Concen: 2.90 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.07 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion: 252 Resp: 50302
Ion Ratio Lower Upper
252 100
253 24.9 17.2 25.8
125 24.5 9.0 13.6#





#91

Benzo(g,h,i)perylene

Concen: 2.13 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.12 min

Lab File: BF086902.D

Acq: 11 May 2016 22:03

Instrument :

BNA_F

ClientSampleId :

TP24-7-8FT

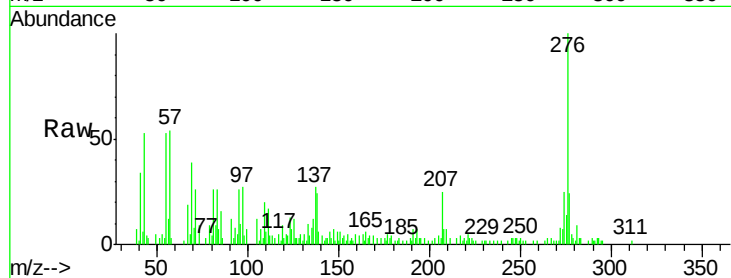
Tgt Ion: 276 Resp: 31687

Ion Ratio Lower Upper

276 100

277 23.9 19.6 29.4

138 23.9 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

