

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
 Data File : BF086846.D
 Acq On : 10 May 2016 3:19
 Operator : UM/SJ
 Sample : H2895-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP8-10.5-12FT

Quant Time: May 10 03:52:36 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	6.69	152	161171	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	671945	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	303104	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	518928	20.00	ng	0.00
75) Chrysene-d12	13.84	240	273296	20.00	ng	0.00
86) Perylene-d12	15.22	264	357715	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	1420808	149.29	ng	0.01
7) Phenol-d6	6.35	99	1814315	142.64	ng	-0.01
23) Nitrobenzene-d5	7.26	82	1241797	92.80	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	450955	140.53	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1646021	91.27	ng	0.00
78) Terphenyl-d14	12.79	244	1001476	77.75	ng	-0.01

Target Compounds

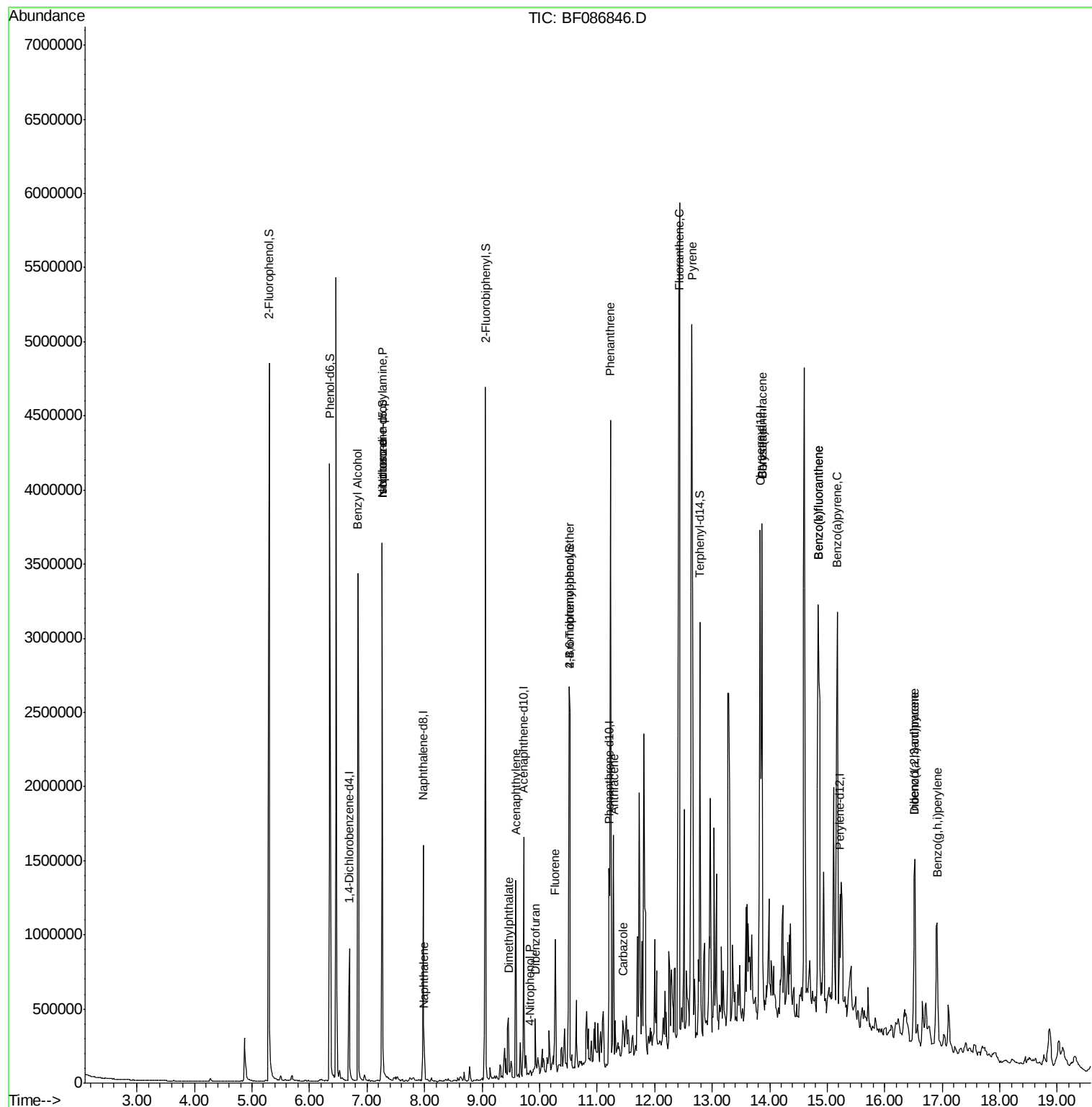
						Qvalue
15) Benzyl Alcohol	6.84	79	18793	2.14	ng	# 44
19) n-Nitroso-di-n-propylamine	7.26	70	180182	20.27	ng	# 74
25) Isophorone	7.26	82	1203282	48.46	ng	# 68
31) Naphthalene	8.00	128	69767	2.07	ng	98
48) Acenaphthylene	9.58	152	491026	17.67	ng	99
49) Dimethylphthalate	9.46	163	163593	7.07	ng	99
54) Dibenzofuran	9.93	168	89728	4.04	ng	# 93
55) 4-Nitrophenol	9.84	139	1306	4.92	ng	# 61
57) Fluorene	10.27	166	269197	14.23	ng	100
66) 4-Bromophenyl-phenylether	10.52	248	26458	5.03	ng	# 1
70) Phenanthrene	11.23	178	2434164	87.90	ng	98
71) Anthracene	11.29	178	918653	32.44	ng	99
72) Carbazole	11.45	167	112671	4.63	ng	100
74) Fluoranthene	12.43	202	3707403	130.16	ng	92
77) Pyrene	12.65	202	2897710	138.49	ng	97
80) Benzo(a)anthracene	13.87	228	1361522	88.74	ng	94
82) Chrysene	13.87	228	1362085	87.28	ng	96
85) Indeno(1,2,3-cd)pyrene	16.52	276	837647	64.51	ng	# 89
87) Benzo(b)fluoranthene	14.84	252	2383394	102.52	ng	97
88) Benzo(k)fluoranthene	14.84	252	2383394	125.21	ng	98
89) Benzo(a)pyrene	15.17	252	1332525	66.45	ng	95
90) Dibenz(a,h)anthracene	16.52	278	223876	13.25	ng	94
91) Benzo(g,h,i)perylene	16.91	276	696048	40.53	ng	# 91

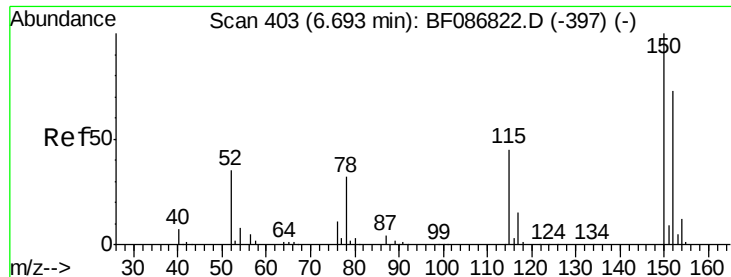
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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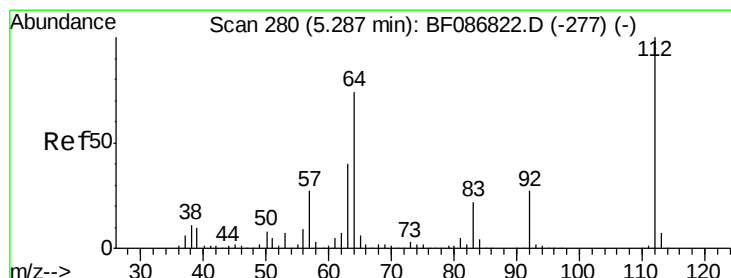
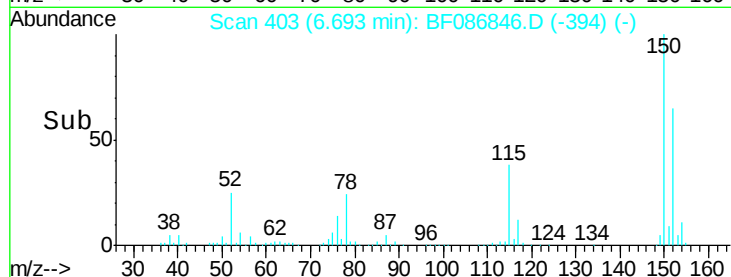
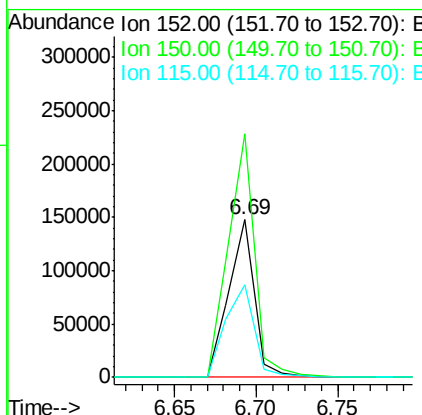
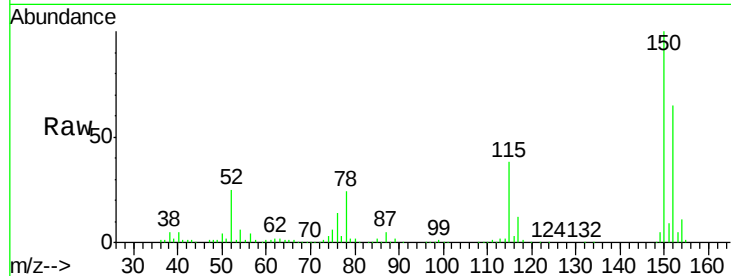




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.69 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: BF086846.D
 Acq: 10 May 2016 3:19

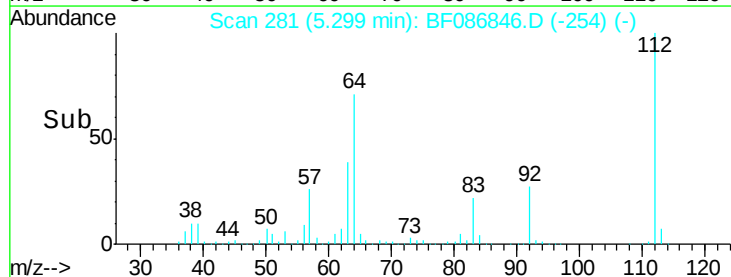
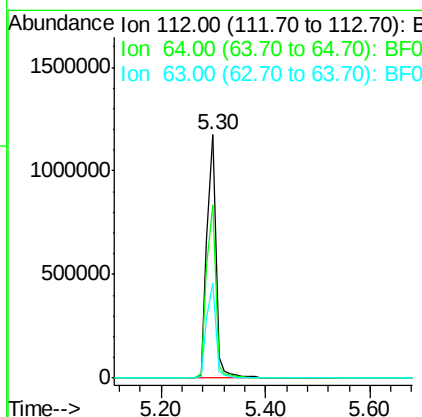
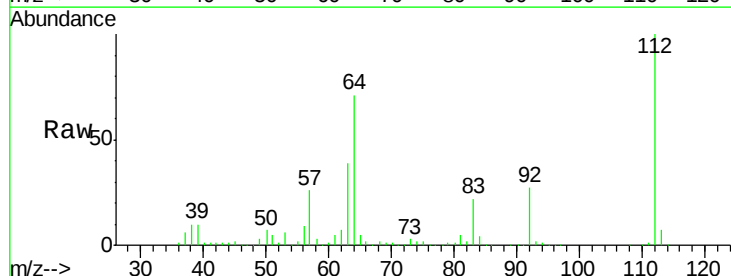
Instrument :
 BNA_F
 ClientSampleId :
 TP8-10.5-12FT

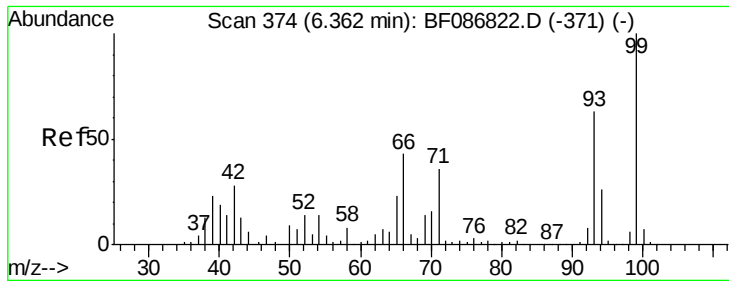
Tgt Ion:152 Resp: 161171
 Ion Ratio Lower Upper
 152 100
 150 154.4 125.8 188.6
 115 58.6 51.5 77.3



#5
 2-Fluorophenol
 Concen: 149.29 ng
 RT: 5.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: BF086846.D
 Acq: 10 May 2016 3:19

Tgt Ion:112 Resp: 1420808
 Ion Ratio Lower Upper
 112 100
 64 71.1 52.1 78.1
 63 39.0 25.7 38.5#





#7

Phenol-d6

Concen: 142.64 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

Instrument :

BNA_F

ClientSampleId :

TP8-10.5-12FT

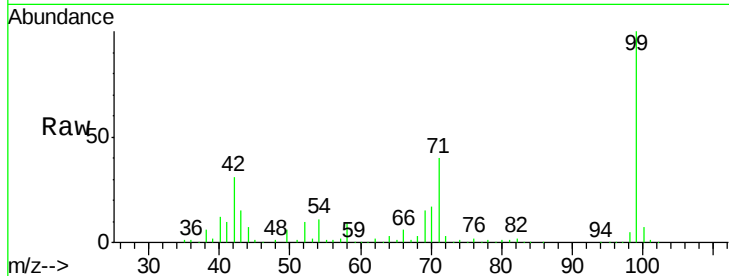
Tgt Ion: 99 Resp: 1814315

Ion Ratio Lower Upper

99 100

42 30.9 13.6 20.4#

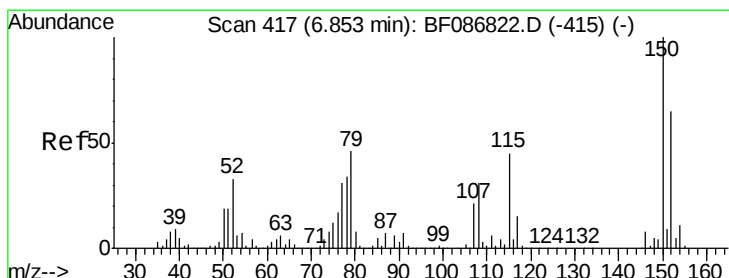
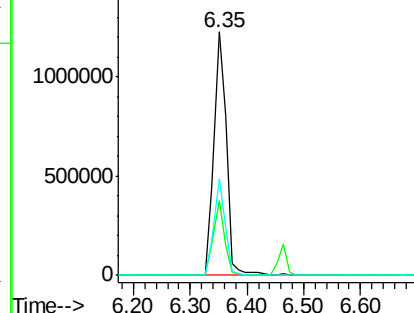
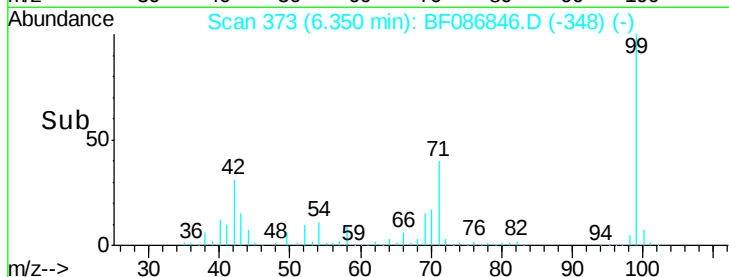
71 39.5 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

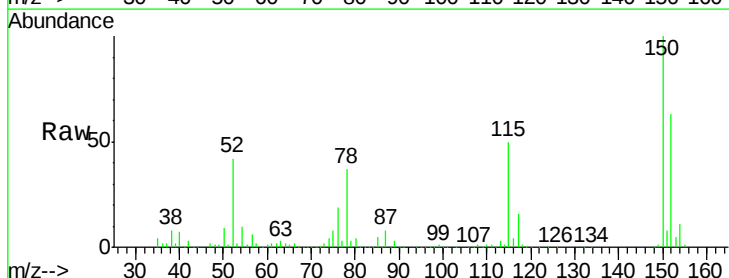
Tgt Ion: 79 Resp: 18793

Ion Ratio Lower Upper

79 100

108 29.9 68.4 102.6#

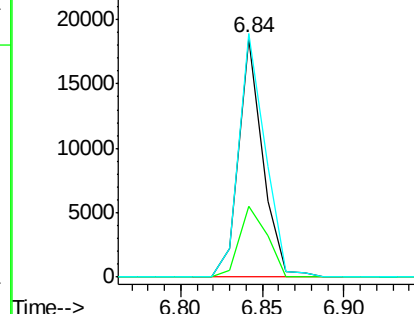
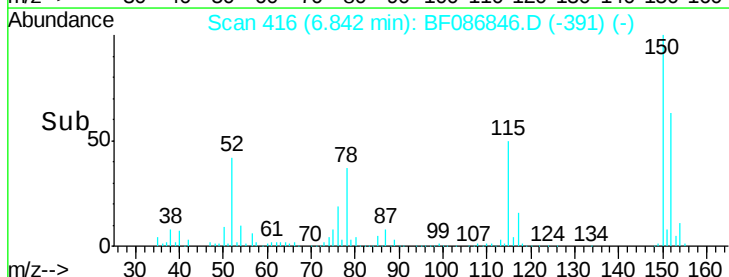
77 102.1 50.6 76.0#

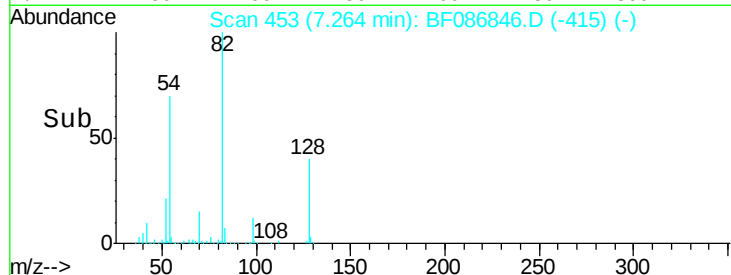
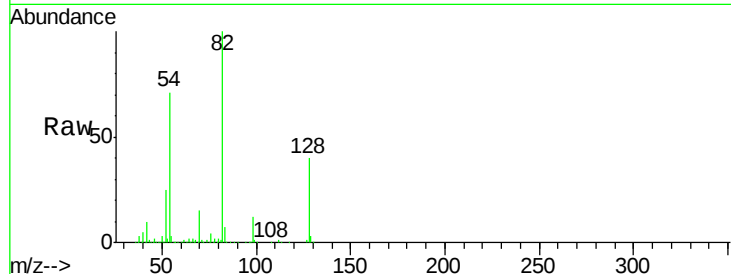
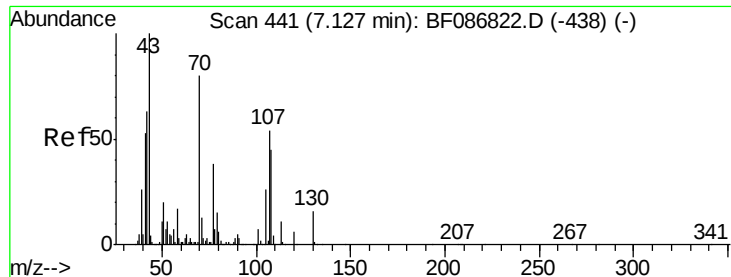


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

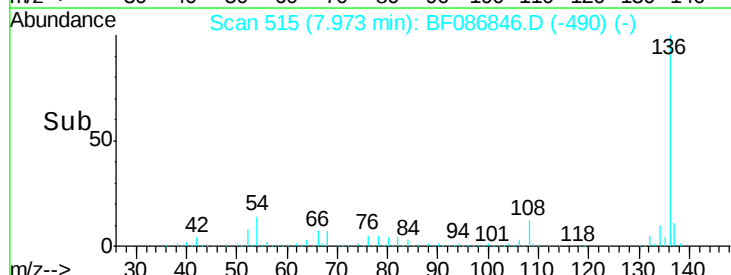
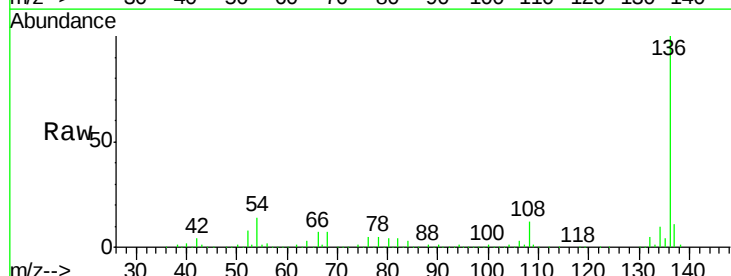
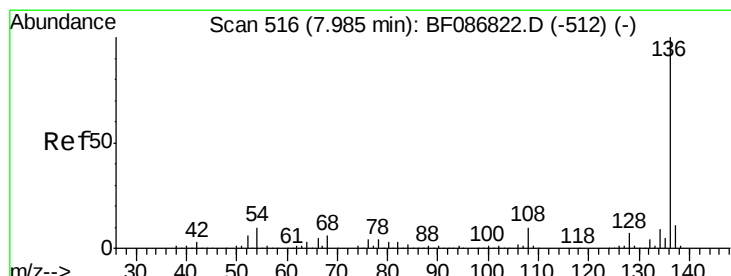
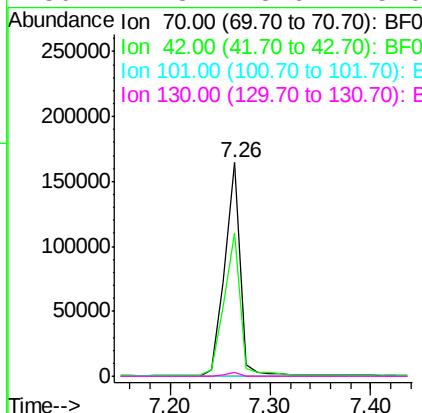




#19
n-Nitroso-di-n-propylamine
Concen: 20.27 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.14 min
Lab File: BF086846.D
Acq: 10 May 2016 3:19

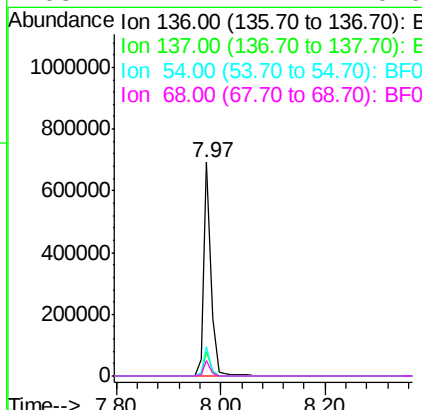
Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

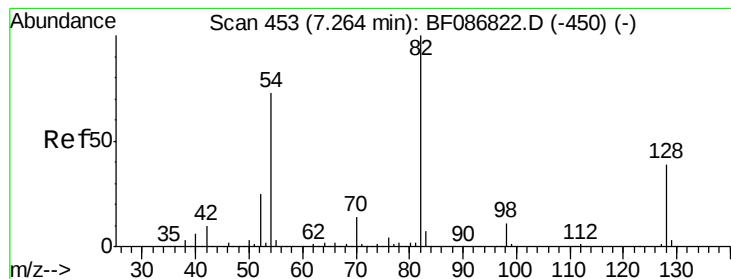
Tgt Ion: 70 Resp: 180182
Ion Ratio Lower Upper
70 100
42 67.1 43.1 64.7#
101 0.0 8.1 12.1#
130 1.8 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF086846.D
Acq: 10 May 2016 3:19

Tgt Ion: 136 Resp: 671945
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 13.8 5.0 7.4#
68 7.4 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 92.80 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

Instrument :

BNA_F

ClientSampleId :

TP8-10.5-12FT

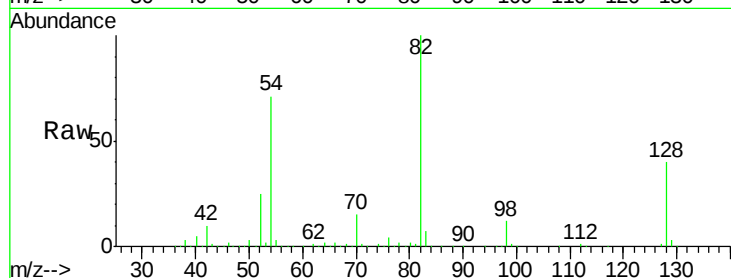
Tgt Ion: 82 Resp: 1241797

Ion Ratio Lower Upper

82 100

128 40.1 40.6 61.0#

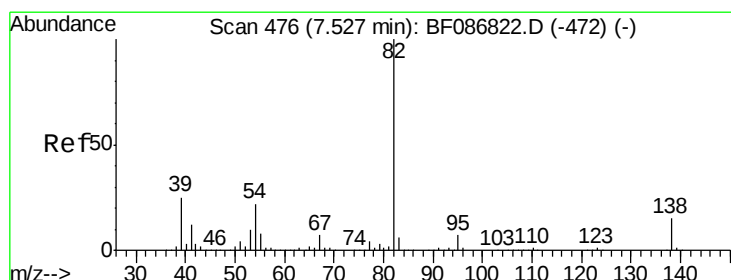
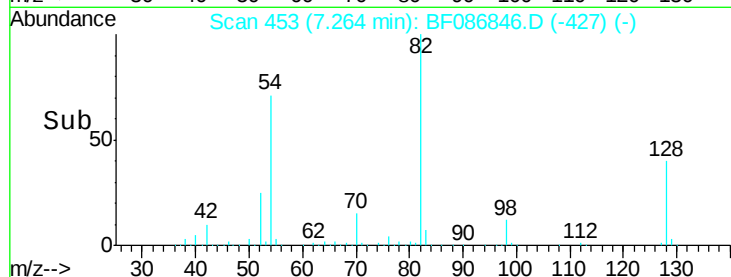
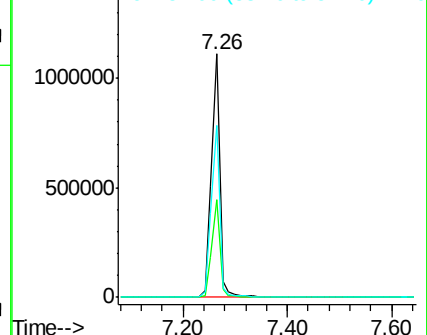
54 70.8 38.1 57.1#



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: 48.46 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.26 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

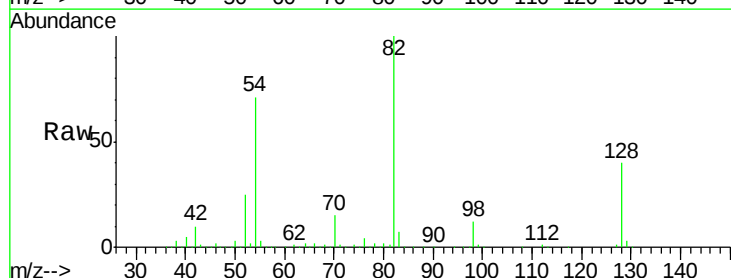
Tgt Ion: 82 Resp: 1203282

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

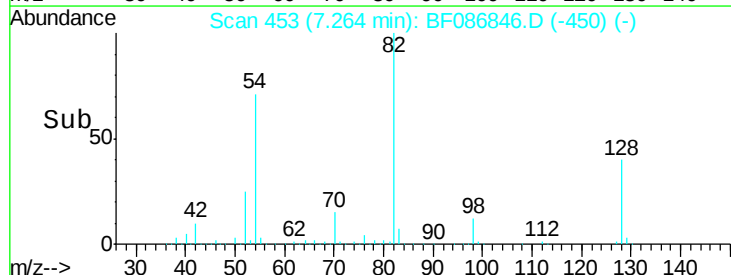
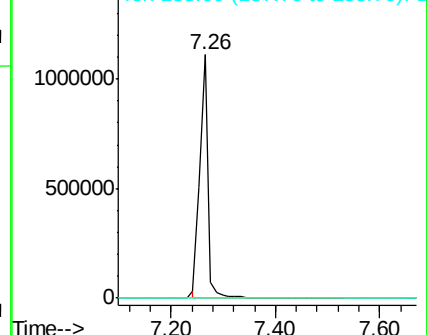
138 0.0 12.4 18.6#

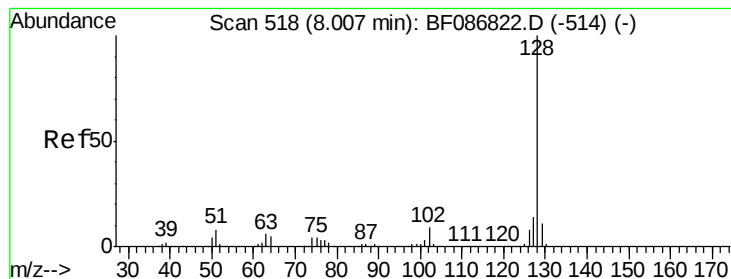


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 2.07 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

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ClientSampleId :

TP8-10.5-12FT

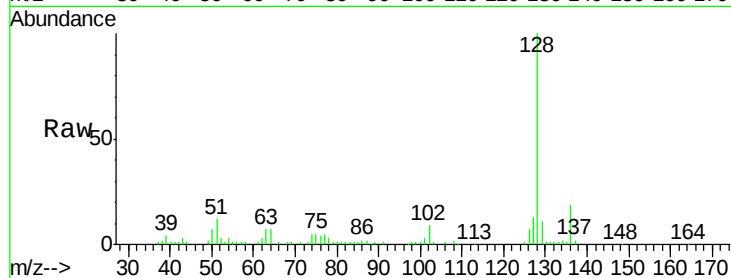
Tgt Ion:128 Resp: 69767

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

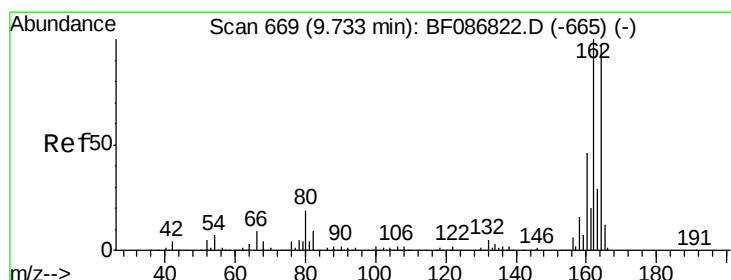
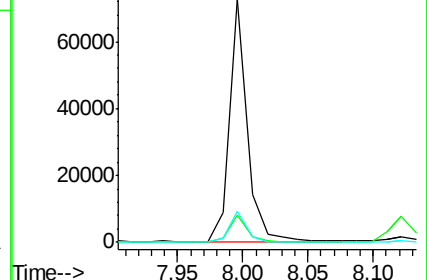
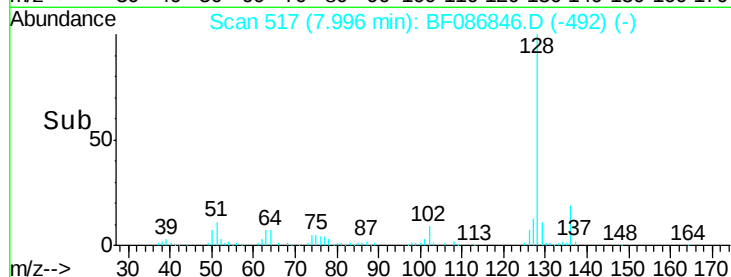
127 12.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

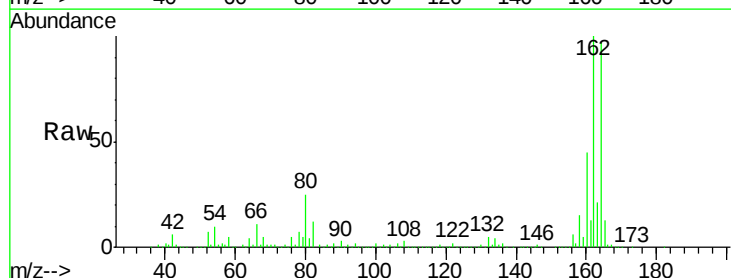
Tgt Ion:164 Resp: 303104

Ion Ratio Lower Upper

164 100

162 103.0 82.8 124.2

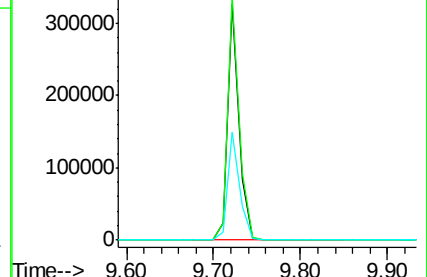
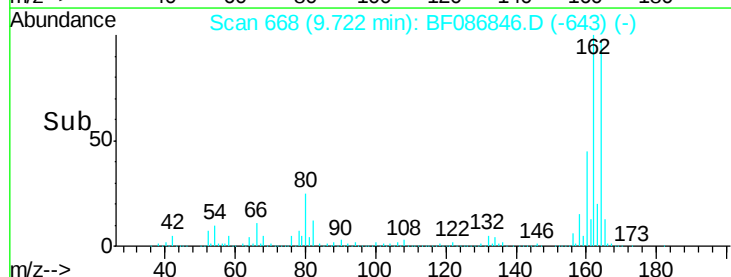
160 45.8 36.9 55.3

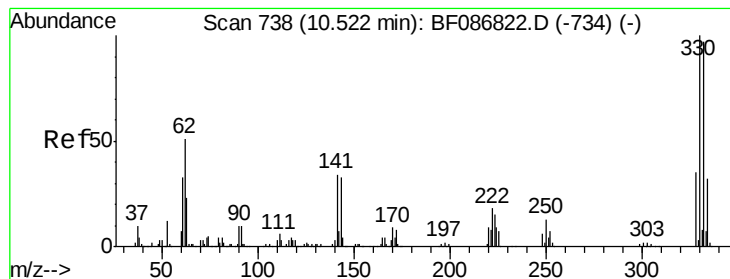


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

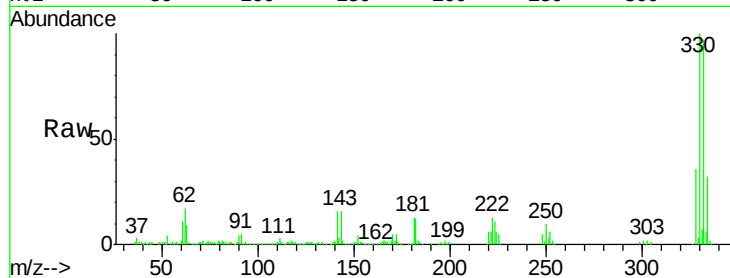




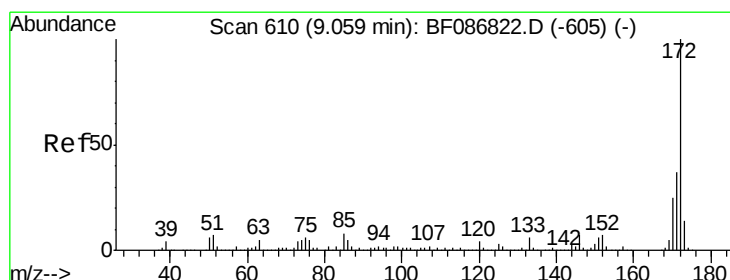
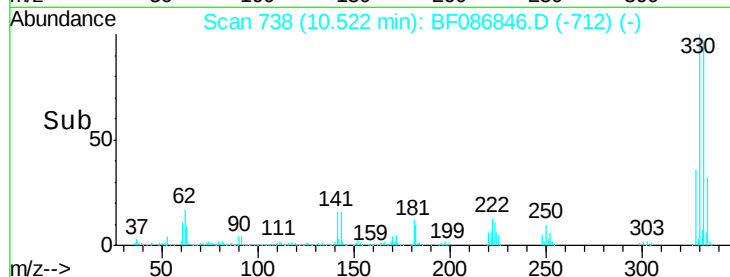
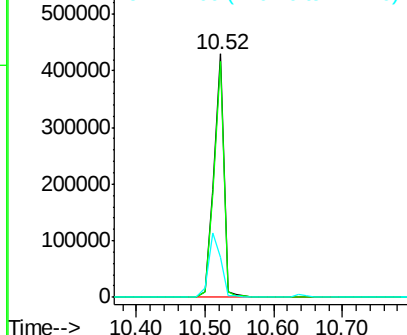
#41
 2,4,6-Tribromophenol
 Concen: 140.53 ng
 RT: 10.52 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF086846.D
 Acq: 10 May 2016 3:19

Instrument :
 BNA_F
 ClientSampleId :
 TP8-10.5-12FT

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	79.0	118.4
141	31.6	31.2	46.8

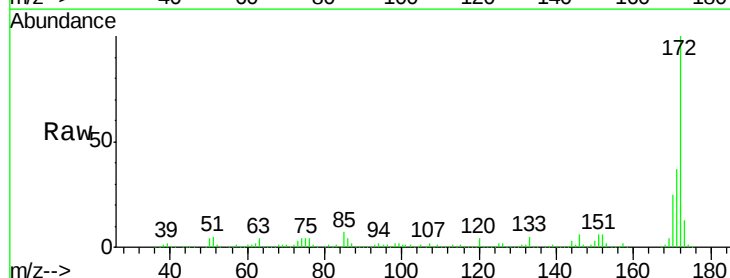


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

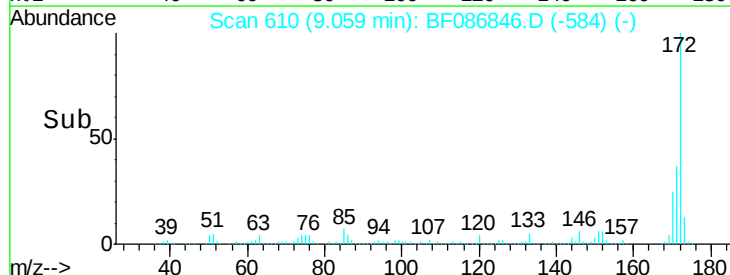
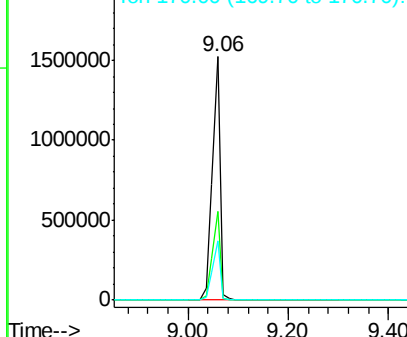


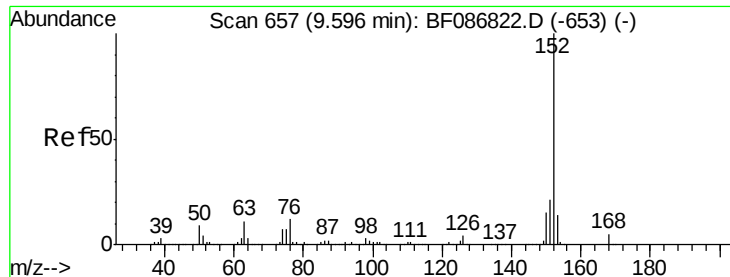
#44
 2-Fluorobiphenyl
 Concen: 91.27 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF086846.D
 Acq: 10 May 2016 3:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	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





#48

Acenaphthylene

Concen: 17.67 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

Instrument :

BNA_F

ClientSampleId :

TP8-10.5-12FT

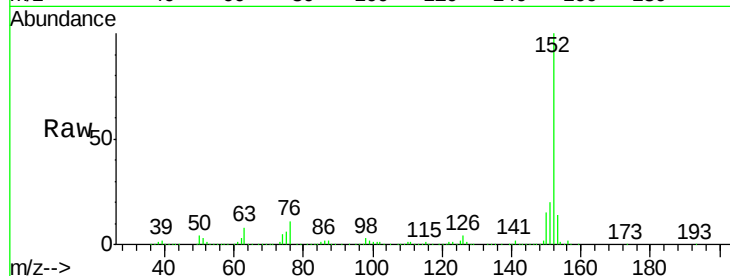
Tgt Ion:152 Resp: 491026

Ion Ratio Lower Upper

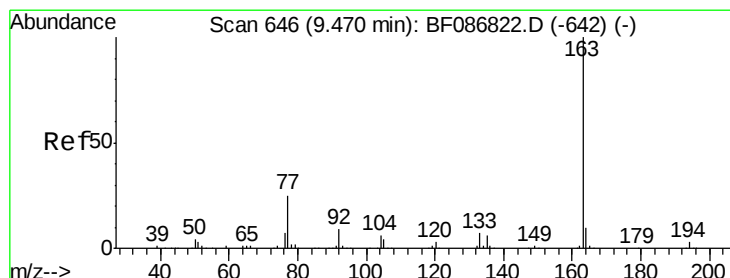
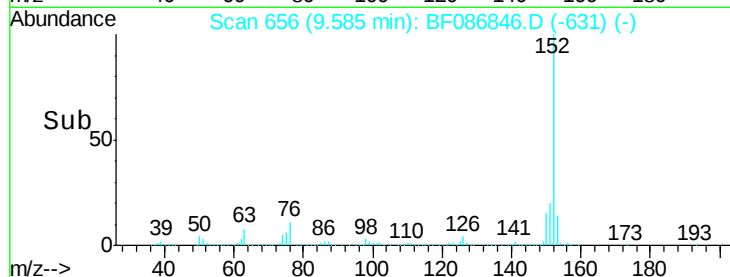
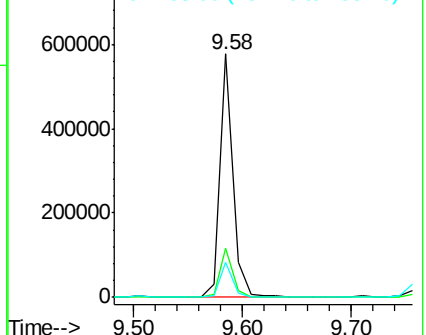
152 100

151 20.3 16.8 25.2

153 14.2 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.07 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

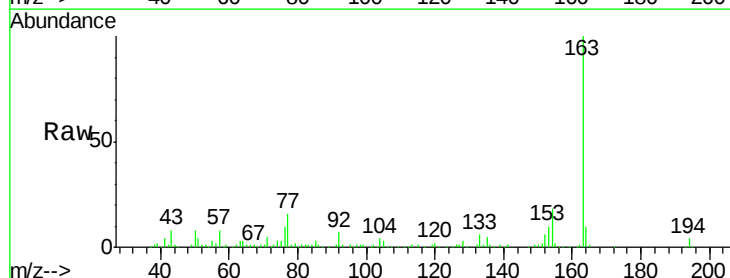
Tgt Ion:163 Resp: 163593

Ion Ratio Lower Upper

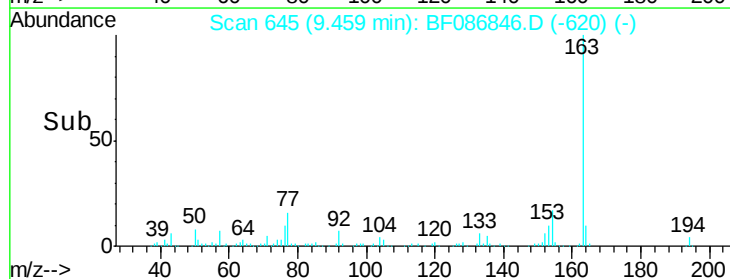
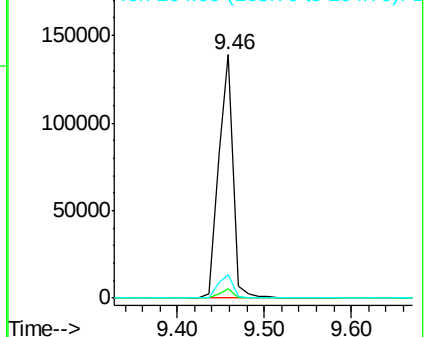
163 100

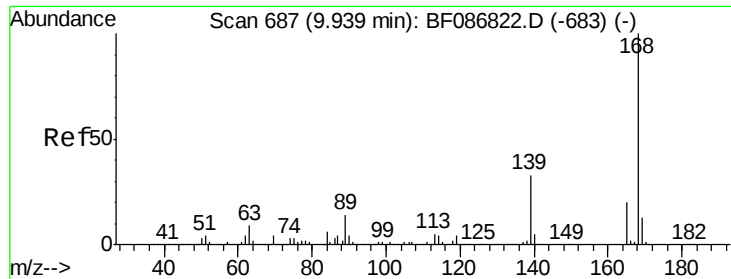
194 3.6 2.6 4.0

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

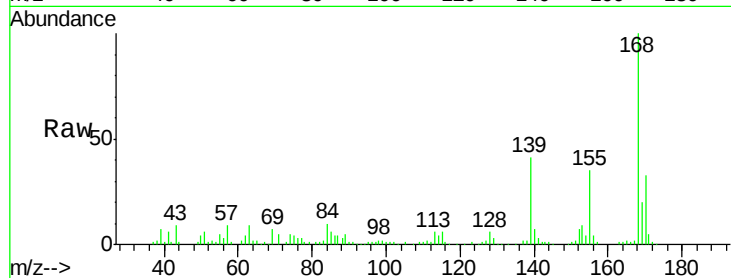




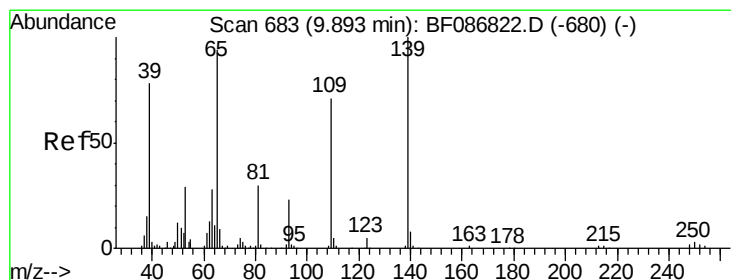
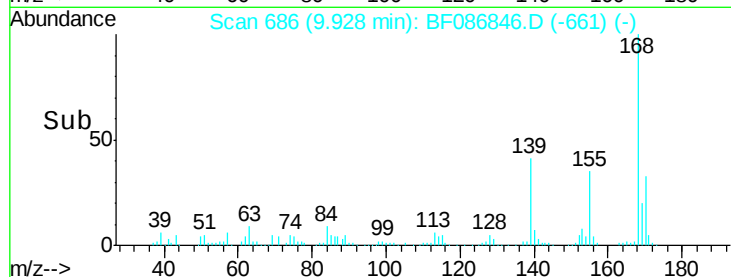
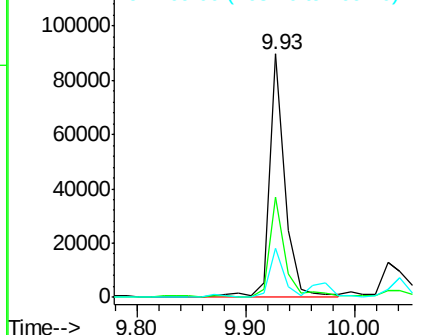
#54
Dibenzofuran
Concen: 4.04 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF086846.D
Acq: 10 May 2016 3:19

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

Tgt Ion:168 Resp: 89728
Ion Ratio Lower Upper
168 100
139 41.4 31.4 47.0
169 20.1 10.7 16.1#

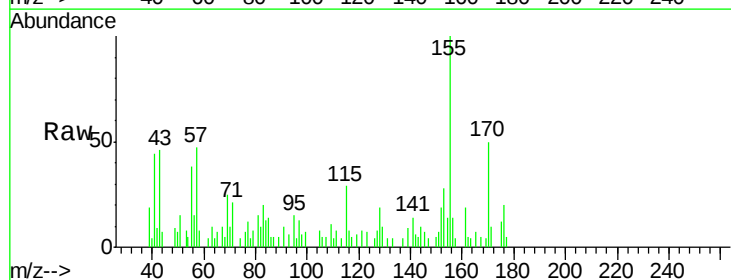


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

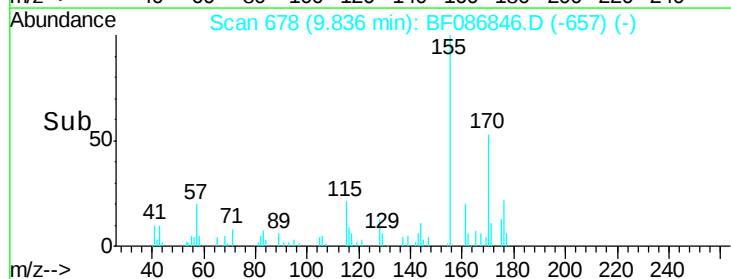
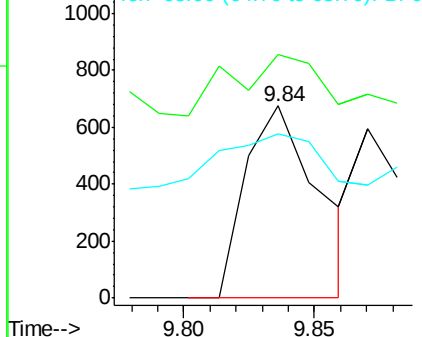


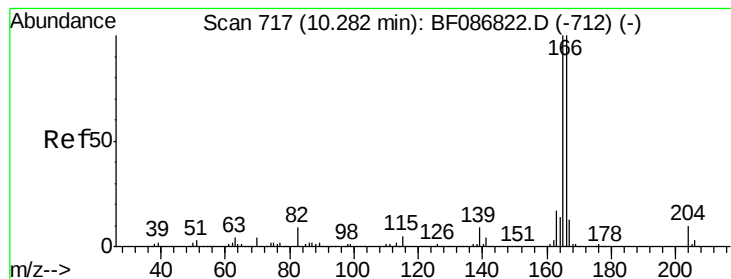
#55
4-Nitrophenol
Concen: 4.92 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.06 min
Lab File: BF086846.D
Acq: 10 May 2016 3:19

Tgt Ion:139 Resp: 1306
Ion Ratio Lower Upper
139 100
109 126.8 36.9 76.9#
65 85.3 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





#57

Fluorene

Concen: 14.23 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

Instrument :

BNA_F

ClientSampleId :

TP8-10.5-12FT

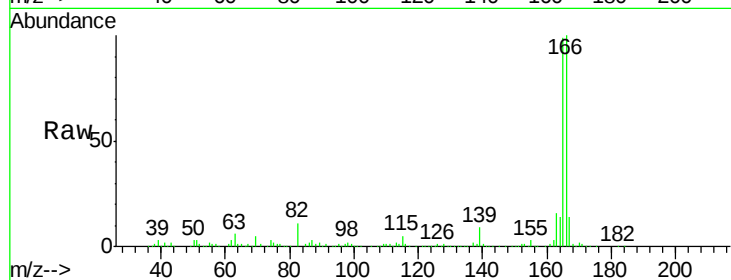
Tgt Ion:166 Resp: 269197

Ion Ratio Lower Upper

166 100

165 98.7 79.0 118.6

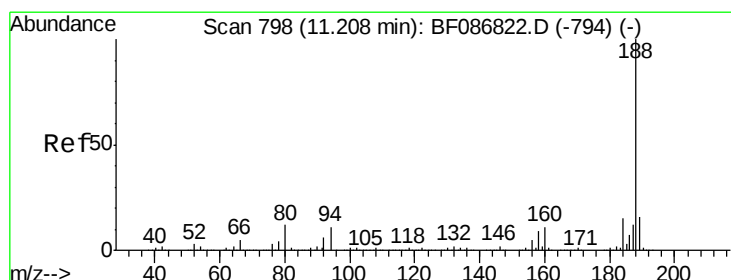
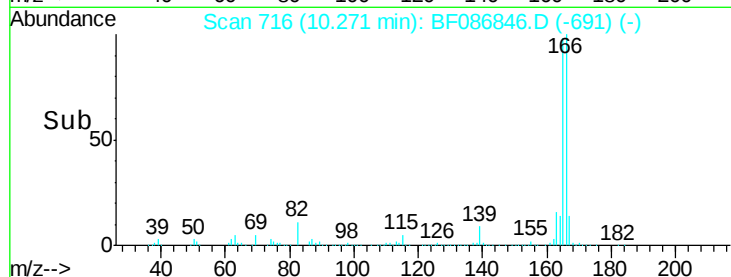
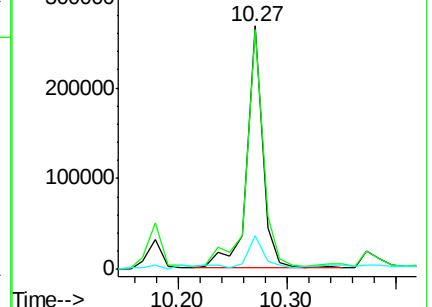
167 13.7 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

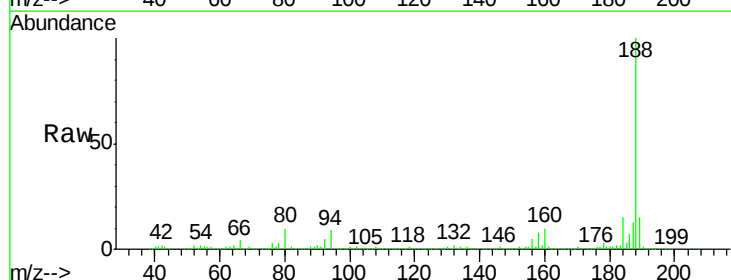
Tgt Ion:188 Resp: 518928

Ion Ratio Lower Upper

188 100

94 9.4 6.8 10.2

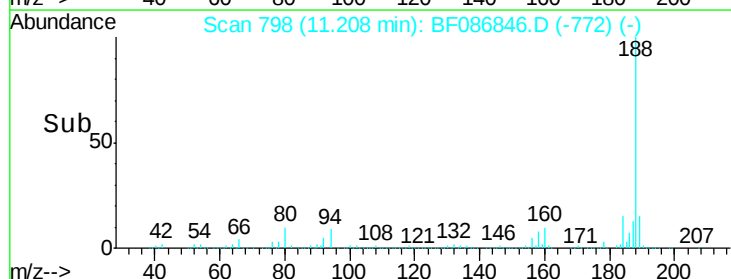
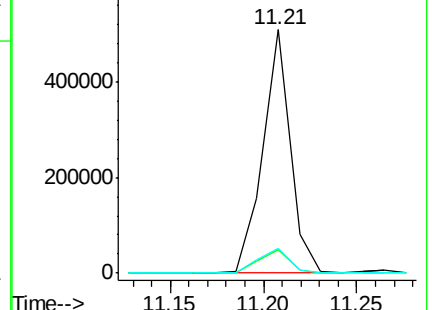
80 10.2 7.1 10.7

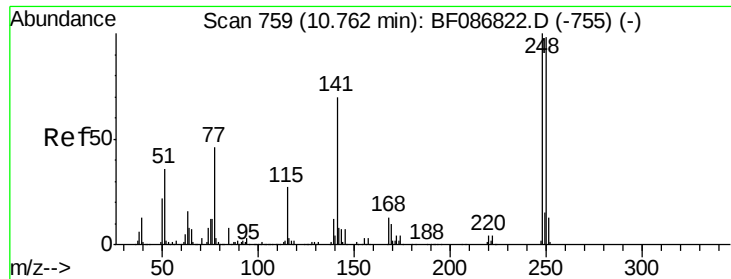


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

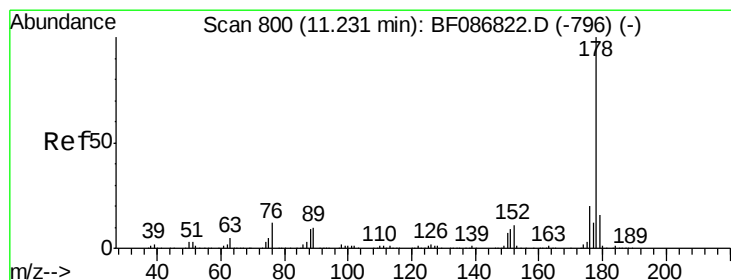
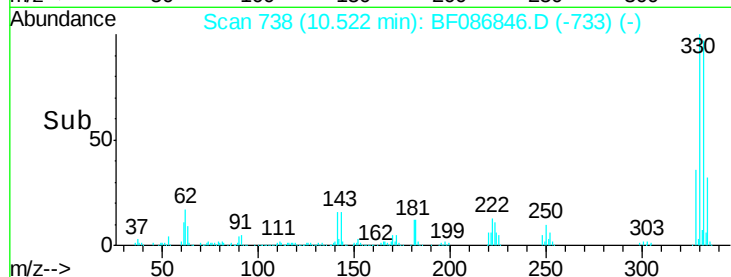
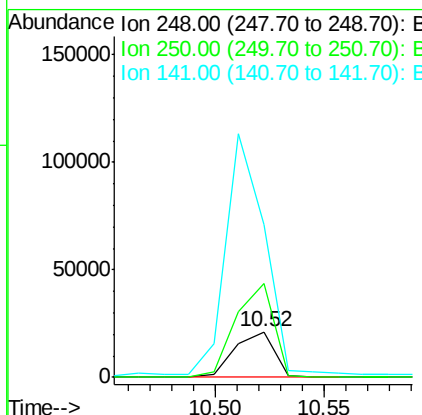
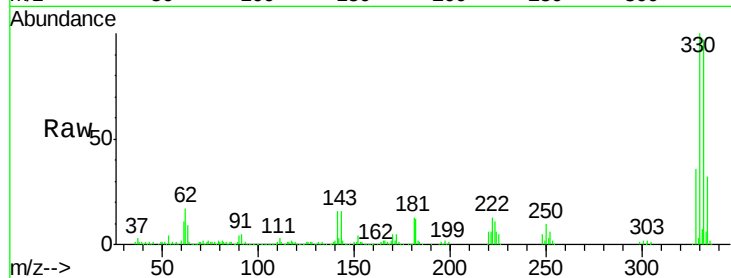




#66
 4-Bromophenyl-phenylether
 Concen: 5.03 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.24 min
 Lab File: BF086846.D
 Acq: 10 May 2016 3:19

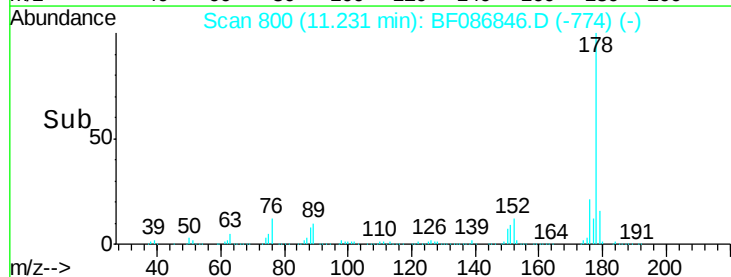
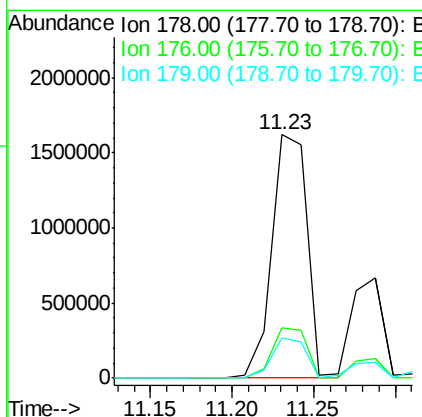
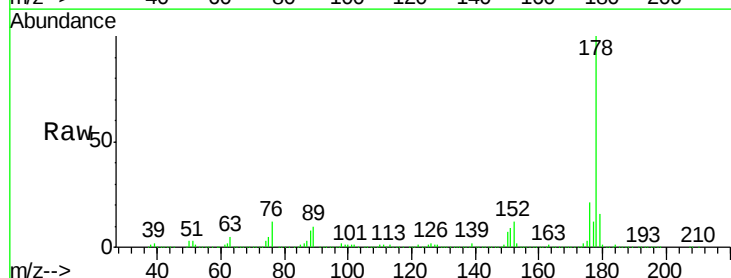
Instrument :
 BNA_F
 ClientSampleId :
 TP8-10.5-12FT

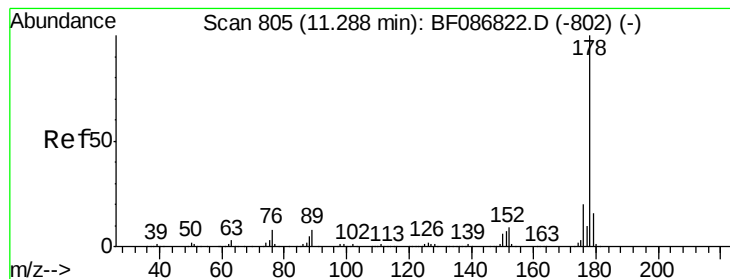
Tgt Ion:248 Resp: 26458
 Ion Ratio Lower Upper
 248 100
 250 206.6 78.6 117.8#
 141 337.4 76.0 114.0#



#70
 Phenanthrene
 Concen: 87.90 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF086846.D
 Acq: 10 May 2016 3:19

Tgt Ion:178 Resp: 2434164
 Ion Ratio Lower Upper
 178 100
 176 20.7 16.0 24.0
 179 16.3 12.6 18.8





#71

Anthracene

Concen: 32.44 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.00 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

Instrument :

BNA_F

ClientSampleId :

TP8-10.5-12FT

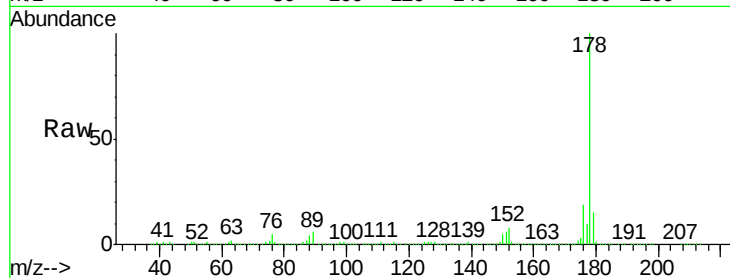
Tgt Ion:178 Resp: 918653

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

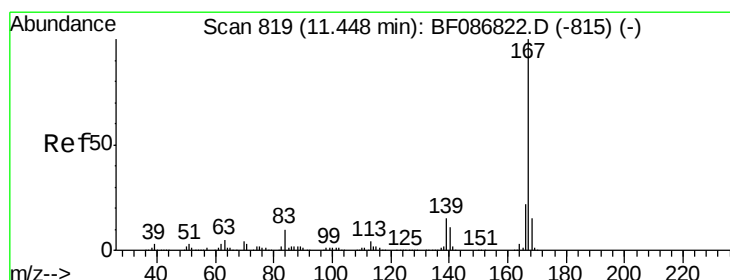
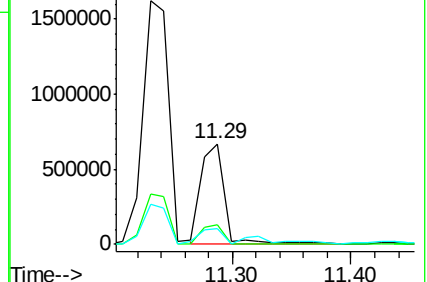
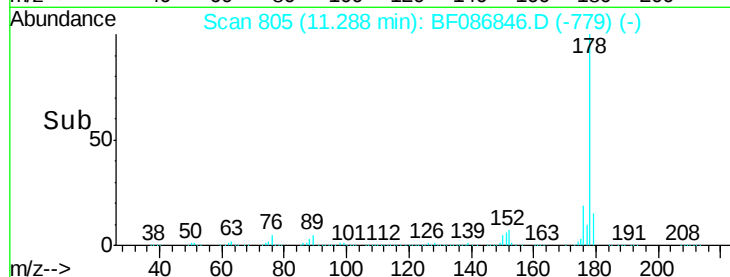
179 15.1 12.7 19.1



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



#72

Carbazole

Concen: 4.63 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

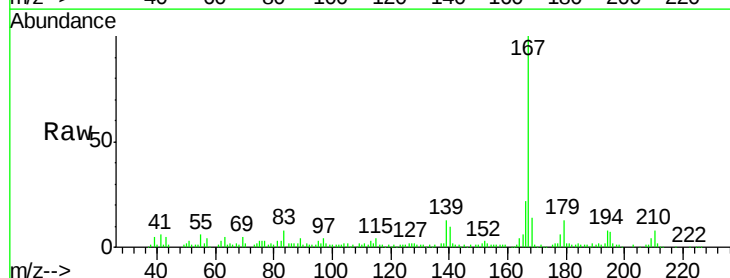
Tgt Ion:167 Resp: 112671

Ion Ratio Lower Upper

167 100

166 22.2 17.7 26.5

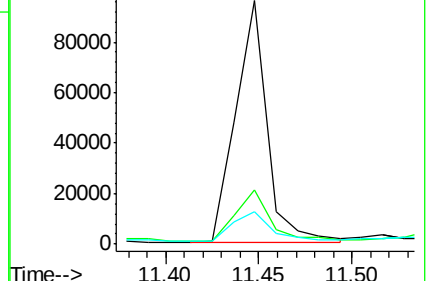
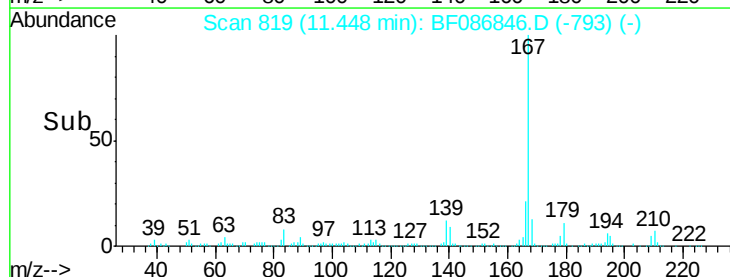
139 13.1 10.8 16.2

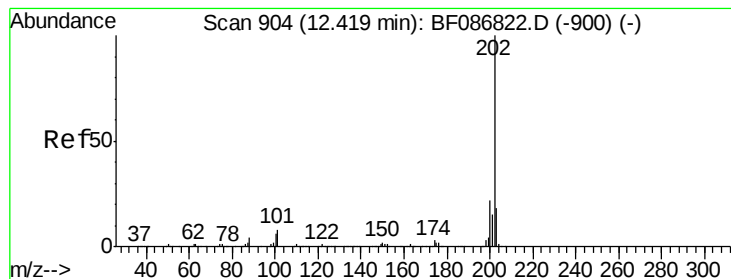


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 130.16 ng

RT: 12.43 min Scan# 905

Delta R.T. 0.01 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

Instrument :

BNA_F

ClientSampleId :

TP8-10.5-12FT

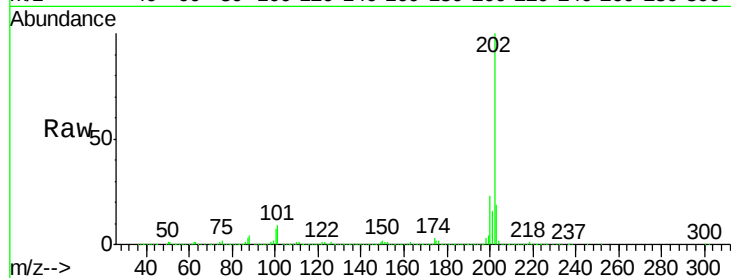
Tgt Ion:202 Resp: 3707403

Ion Ratio Lower Upper

202 100

101 9.1 0.0 35.4

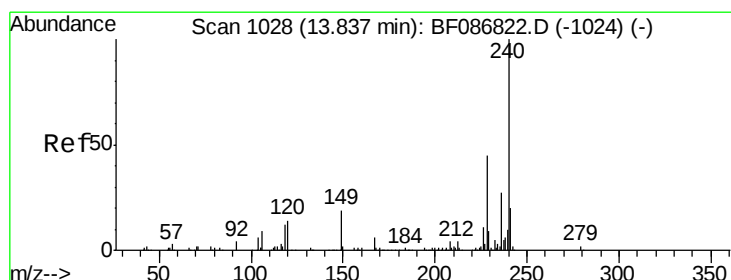
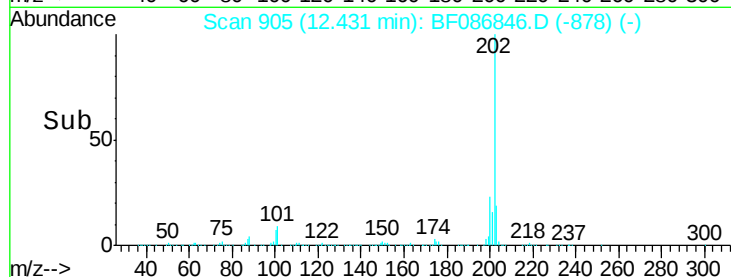
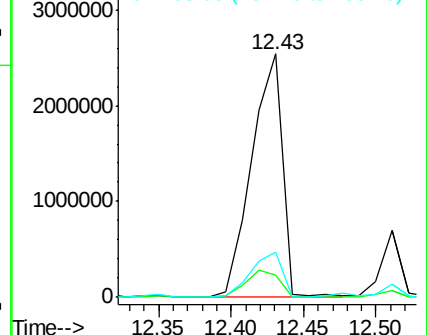
203 18.7 0.0 38.1



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: 13.84 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF086846.D

Acq: 10 May 2016 3:19

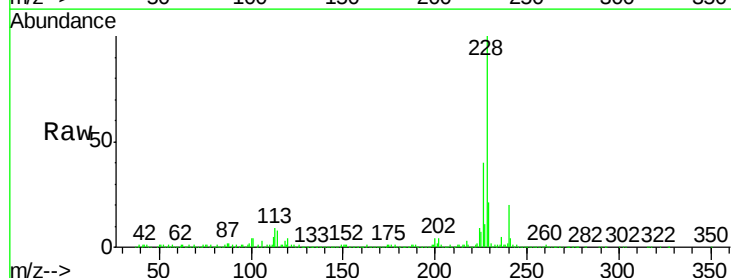
Tgt Ion:240 Resp: 273296

Ion Ratio Lower Upper

240 100

120 17.8 11.2 16.8#

236 26.8 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

