

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
 Data File : BF087079.D
 Acq On : 16 May 2016 14:10
 Operator : UM/SJ
 Sample : H2968-06 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

Quant Time: May 17 00:52:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

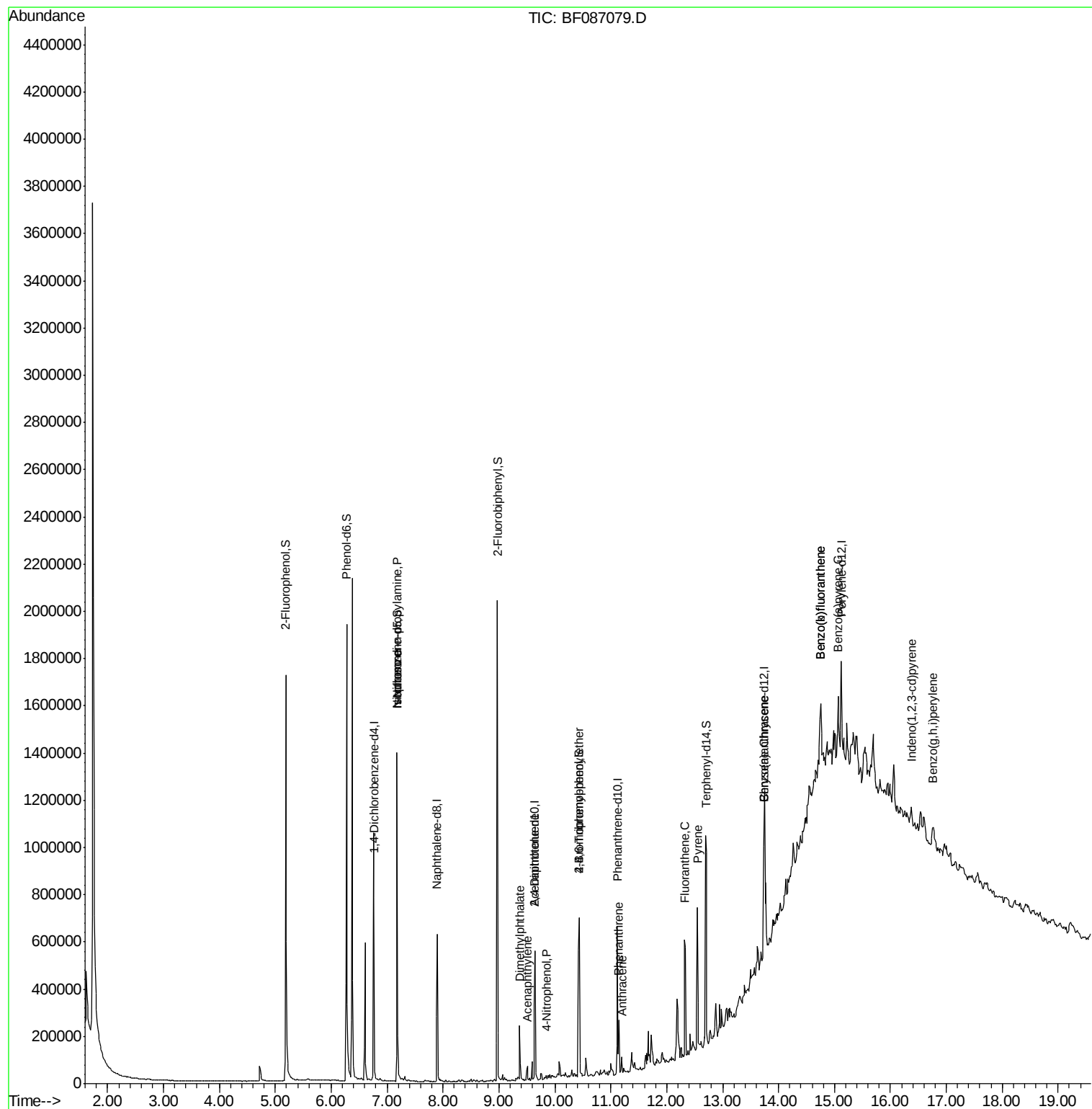
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	195799	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	309429	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	121594	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	215481	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	178508	20.00	ng	-0.09
86) Perylene-d12	15.12	264	130614	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	472240	40.85	ng	-0.10
7) Phenol-d6	6.27	99	641789	41.53	ng	-0.09
23) Nitrobenzene-d5	7.18	82	392925	63.76	ng	-0.09
41) 2,4,6-Tribromophenol	10.43	330	100622	78.17	ng	-0.09
44) 2-Fluorobiphenyl	8.97	172	532448	73.59	ng	-0.09
78) Terphenyl-d14	12.71	244	385470	45.82	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.18	70	55427	5.13	ng	# 72
25) Isophorone	7.18	82	364787	31.90	ng	# 68
48) Acenaphthylene	9.51	152	32955	2.96	ng	99
49) Dimethylphthalate	9.37	163	81589	8.79	ng	# 99
55) 4-Nitrophenol	9.85	139	1656	5.70	ng	# 51
56) 2,4-Dinitrotoluene	9.64	165	15752	6.52	ng	# 15
66) 4-Bromophenyl-phenylether	10.43	248	6083	2.78	ng	# 1
70) Phenanthrene	11.14	178	77388	6.73	ng	99
71) Anthracene	11.20	178	37074	3.15	ng	100
74) Fluoranthene	12.33	202	293299	24.80	ng	90
77) Pyrene	12.55	202	251340	18.39	ng	99
80) Benzo(a)anthracene	13.74	228	162258	16.19	ng	# 90
82) Chrysene	13.74	228	162258	15.92	ng	92
85) Indeno(1,2,3-cd)pyrene	16.38	276	46073	5.43	ng	94
87) Benzo(b)fluoranthene	14.75	252	171281	20.18	ng	# 89
88) Benzo(k)fluoranthene	14.75	252	171281	24.64	ng	# 87
89) Benzo(a)pyrene	15.06	252	85226	11.64	ng	# 82
91) Benzo(g,h,i)perylene	16.75	276	45573	7.27	ng	# 91

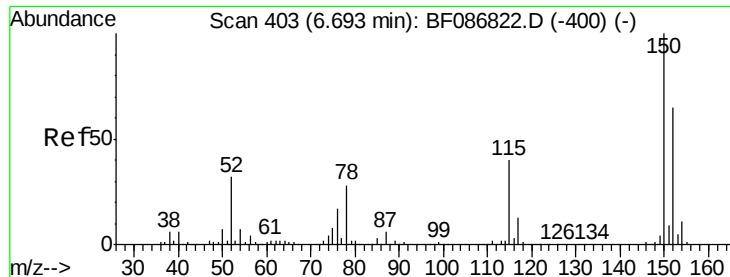
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

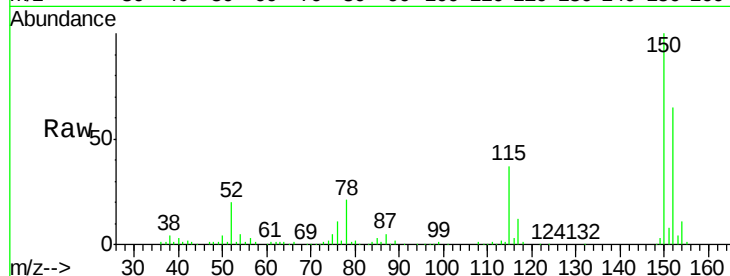
Tgt Ion:152 Resp: 195799

Ion Ratio Lower Upper

152 100

150 154.2 125.8 188.6

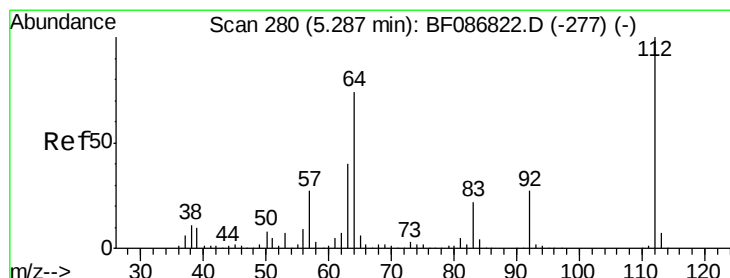
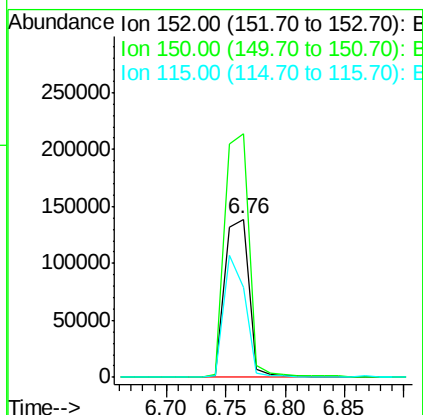
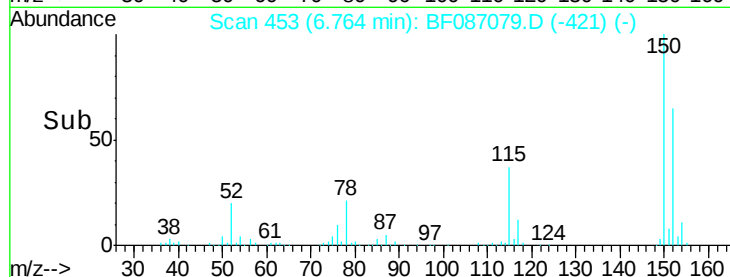
115 57.4 51.5 77.3



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: 40.85 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.10 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

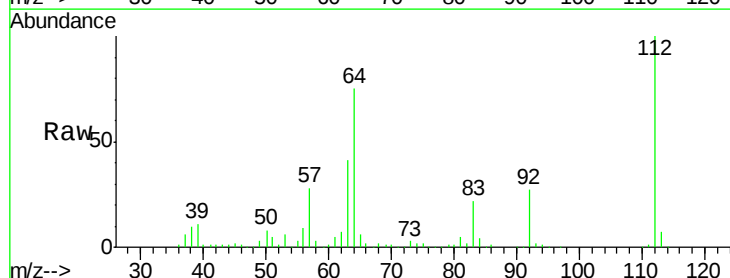
Tgt Ion:112 Resp: 472240

Ion Ratio Lower Upper

112 100

64 74.7 52.1 78.1

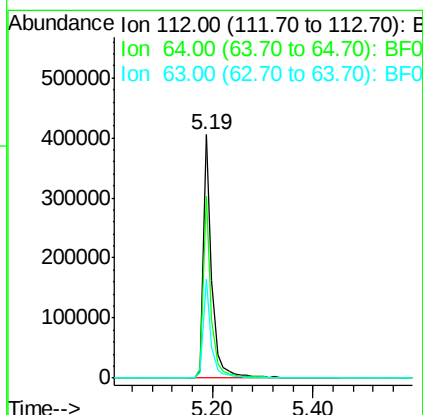
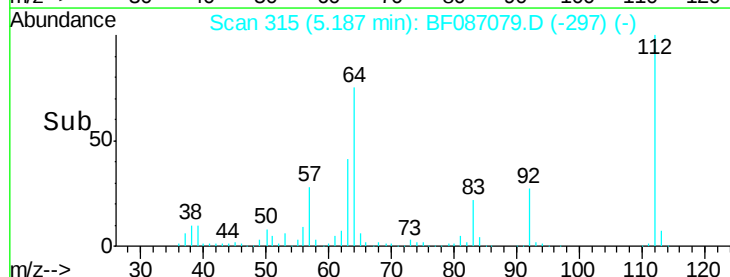
63 40.5 25.7 38.5

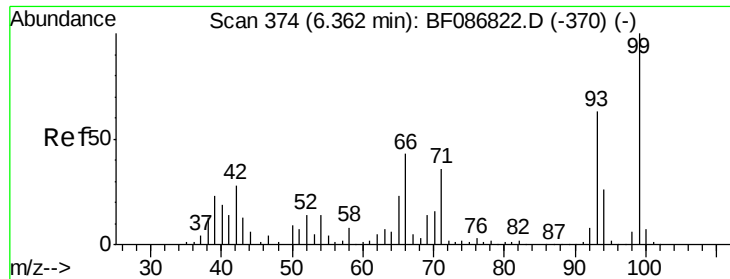


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.53 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

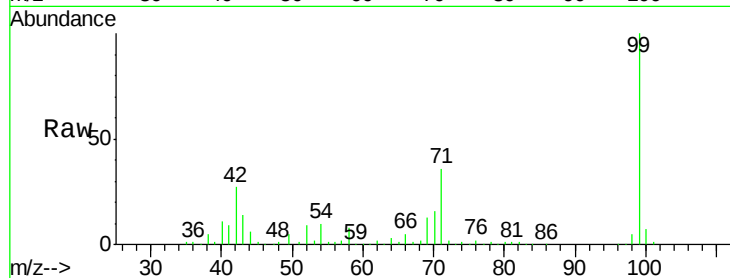
Tgt Ion: 99 Resp: 641789

Ion Ratio Lower Upper

99 100

42 27.2 13.6 20.4#

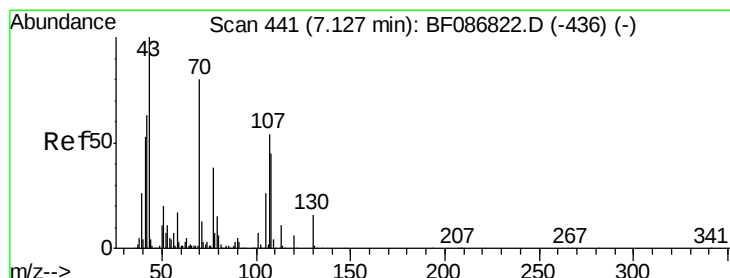
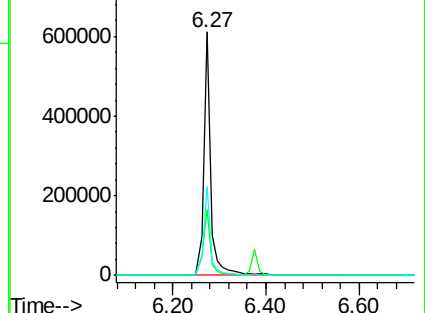
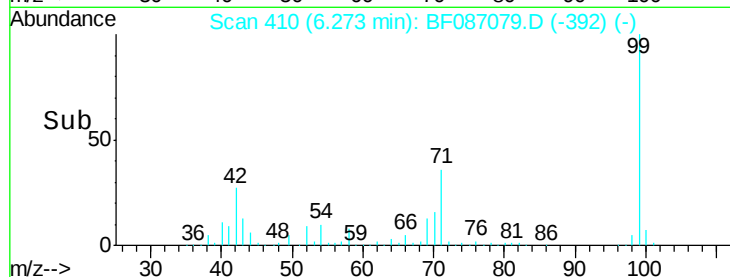
71 36.4 24.6 36.8



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: 5.13 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.05 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Tgt Ion: 70 Resp: 55427

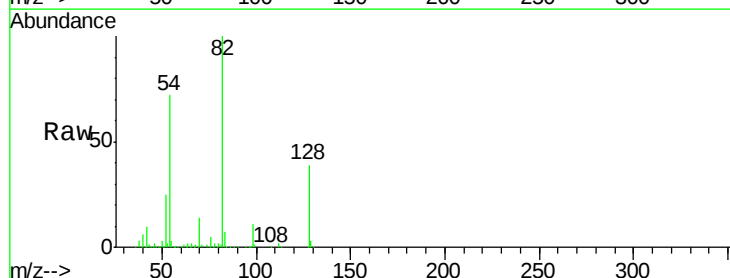
Ion Ratio Lower Upper

70 100

42 68.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

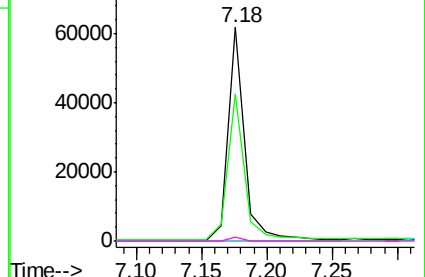
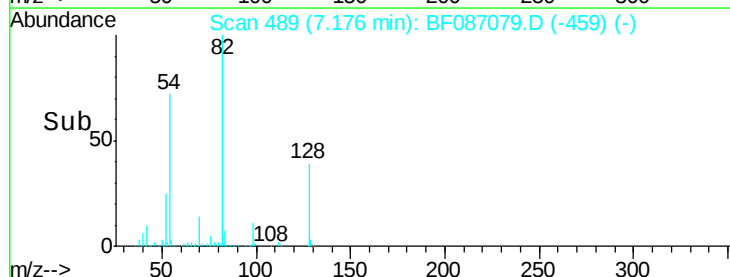


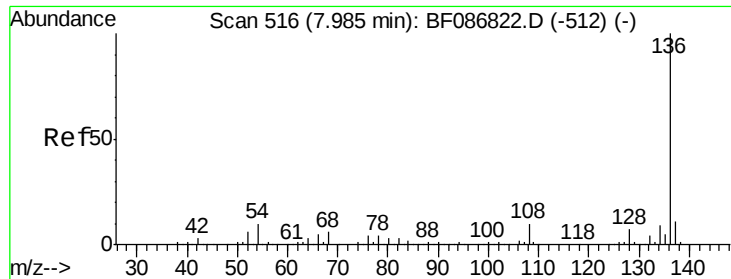
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

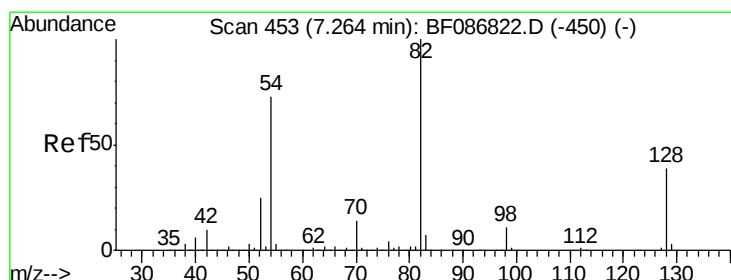
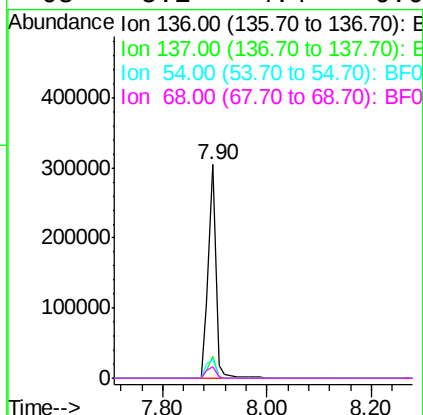
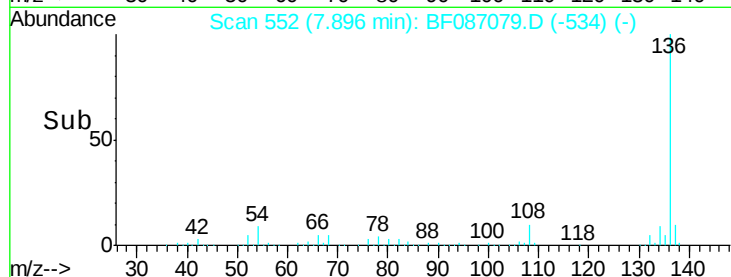
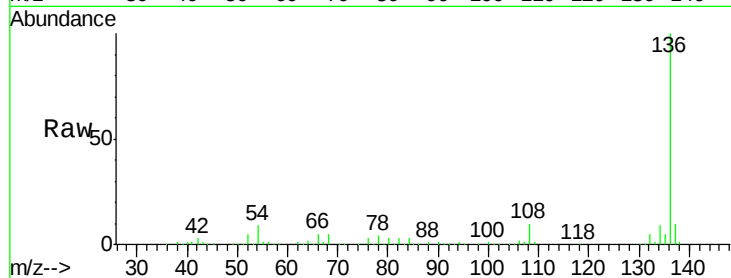




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

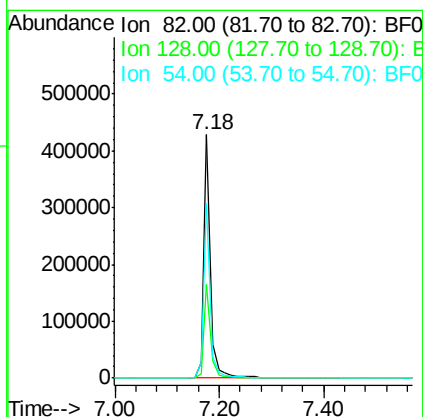
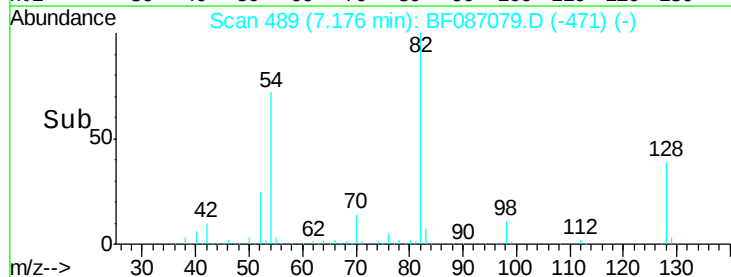
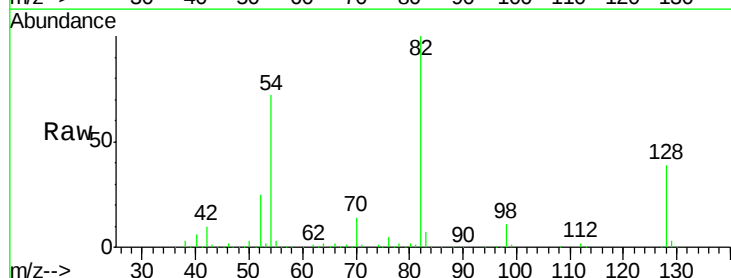
Instrument :
BNA_F
ClientSampleId :
TP42-4.5FT

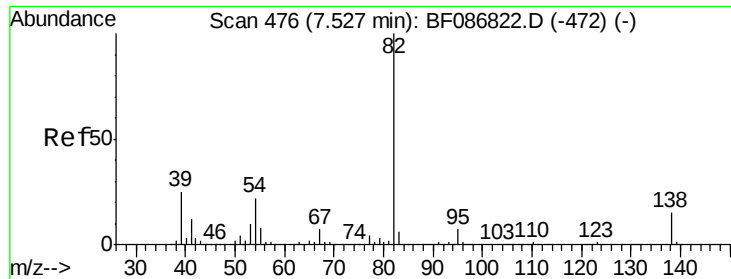
Tgt Ion:	136	Resp:	309429
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	9.2	5.0	7.4#
68	5.1	4.4	6.6



#23
Nitrobenzene-d5
Concen: 63.76 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.09 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

Tgt Ion:	82	Resp:	392925
Ion	Ratio	Lower	Upper
82	100		
128	38.7	40.6	61.0#
54	71.8	38.1	57.1#





#25

Isophorone

Concen: 31.90 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.35 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

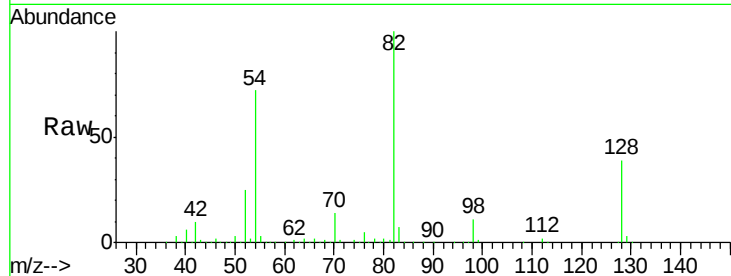
Tgt Ion: 82 Resp: 364787

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

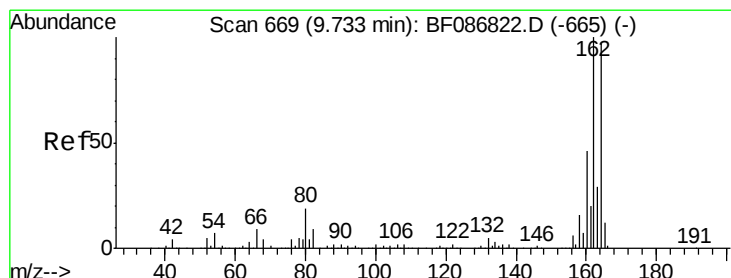
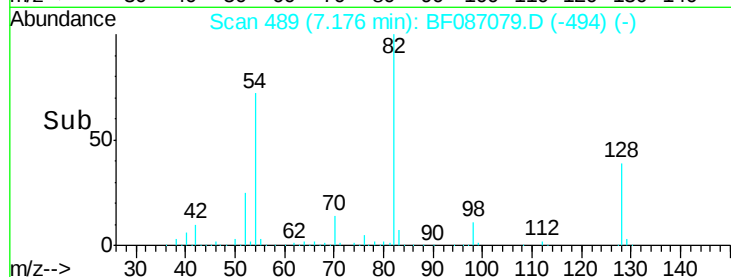
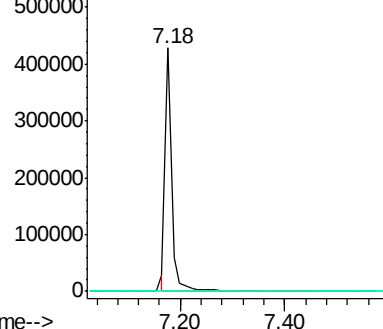
138 0.0 12.4 18.6#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

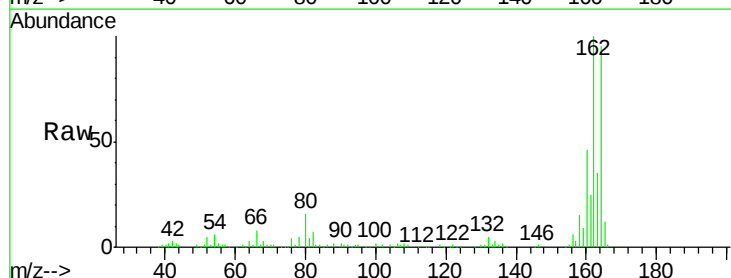
Tgt Ion: 164 Resp: 121594

Ion Ratio Lower Upper

164 100

162 105.5 82.8 124.2

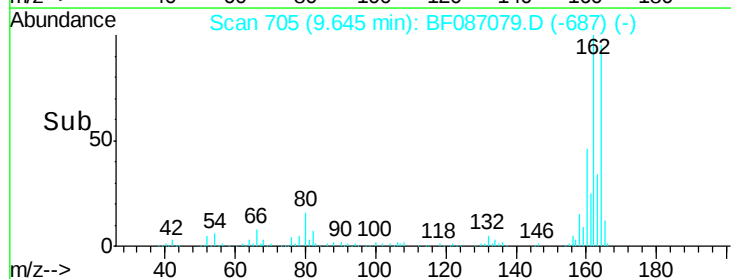
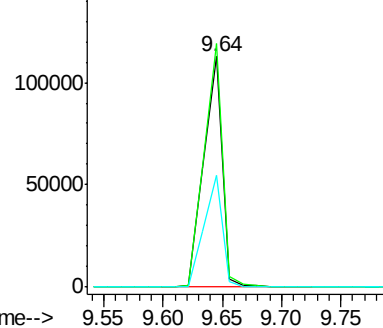
160 48.7 36.9 55.3

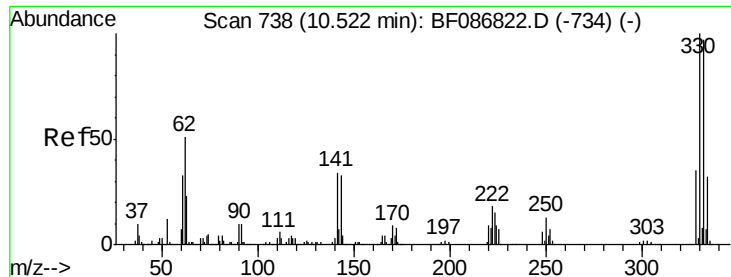


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

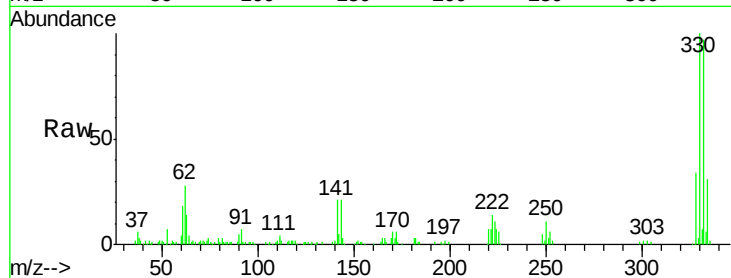




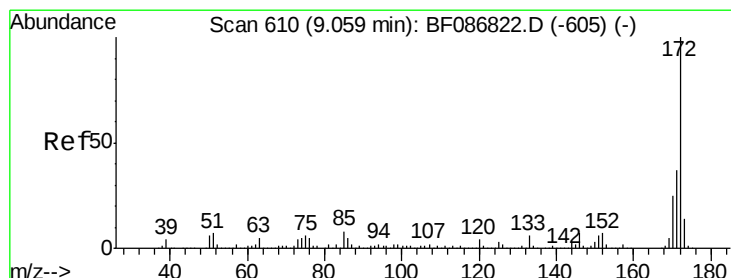
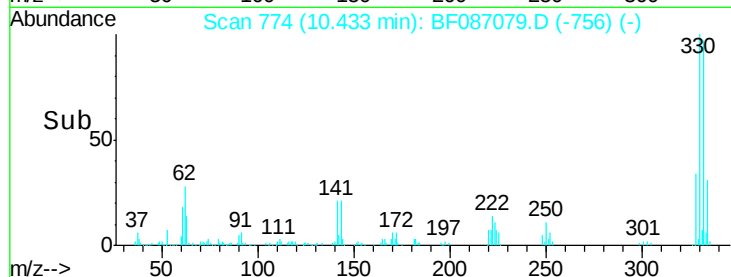
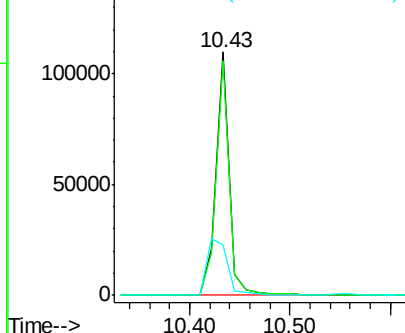
#41
 2,4,6-Tribromophenol
 Concen: 78.17 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087079.D
 Acq: 16 May 2016 14:10

Instrument :
 BNA_F
 ClientSampled :
 TP42-4.5FT

Tgt Ion:330 Resp: 100622
 Ion Ratio Lower Upper
 330 100
 332 95.9 79.0 118.4
 141 37.1 31.2 46.8

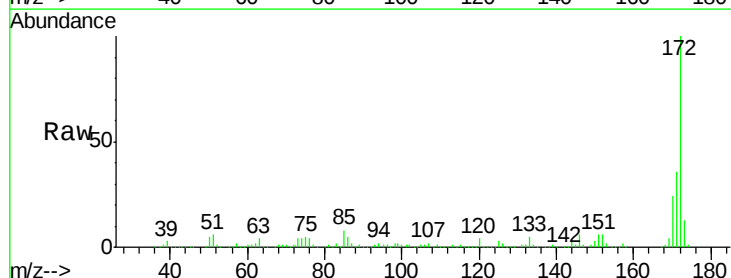


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

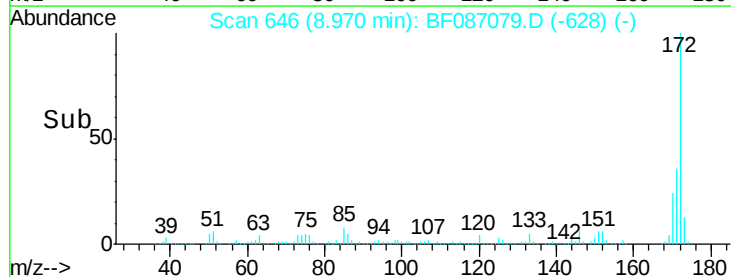
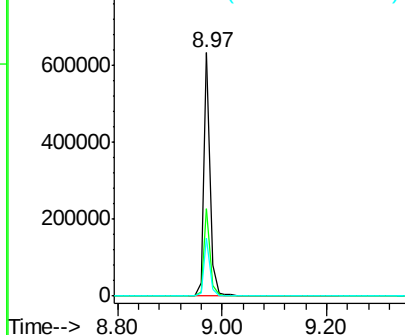


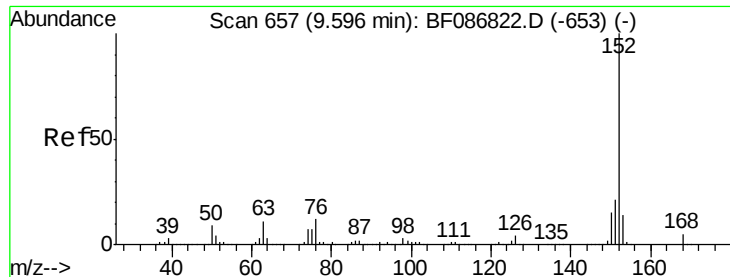
#44
 2-Fluorobiphenyl
 Concen: 73.59 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.09 min
 Lab File: BF087079.D
 Acq: 16 May 2016 14:10

Tgt Ion:172 Resp: 532448
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 24.0 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: 2.96 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.09 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

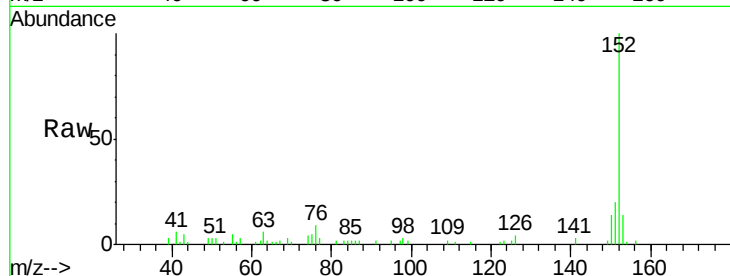
Tgt Ion:152 Resp: 32955

Ion Ratio Lower Upper

152 100

151 20.0 16.8 25.2

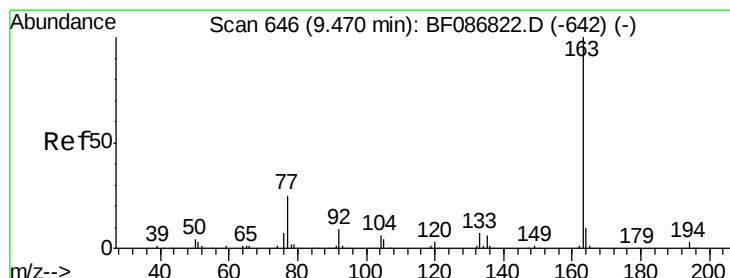
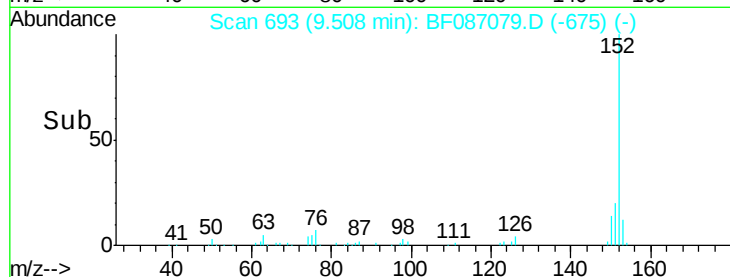
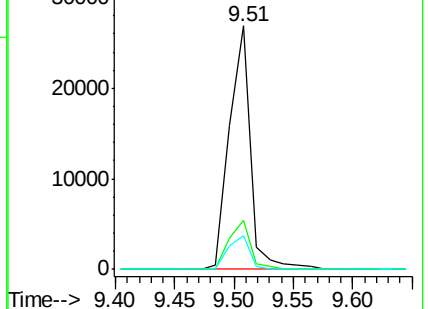
153 13.8 10.9 16.3



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: 8.79 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.10 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

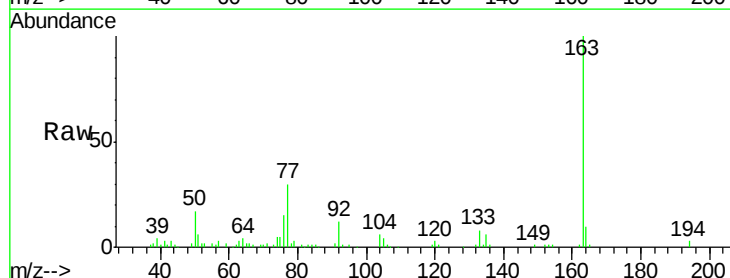
Tgt Ion:163 Resp: 81589

Ion Ratio Lower Upper

163 100

194 2.6 2.6 4.0#

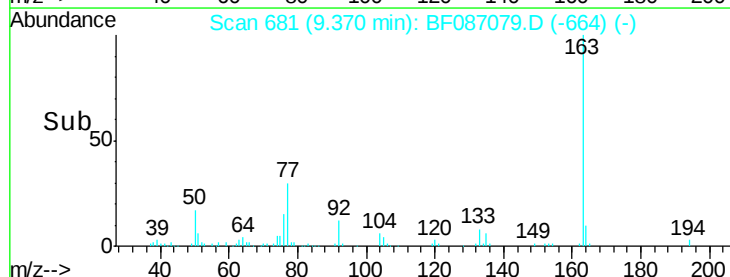
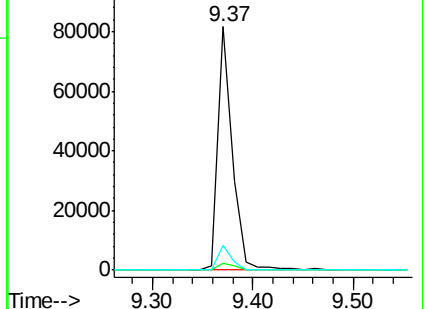
164 10.3 8.2 12.4

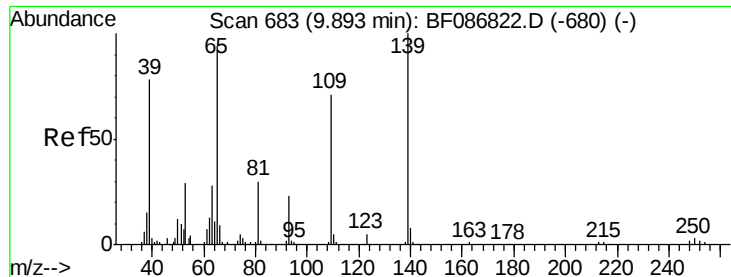


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 5.70 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.04 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

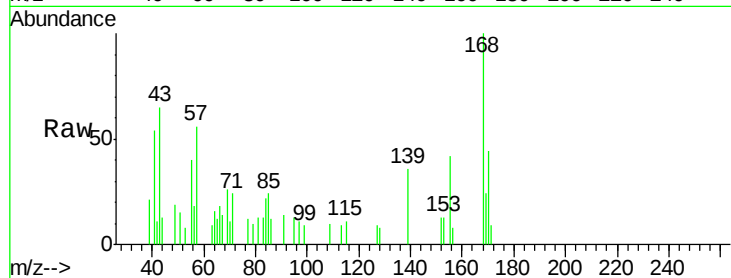
Tgt Ion:139 Resp: 1656

Ion Ratio Lower Upper

139 100

109 26.3 36.9 76.9#

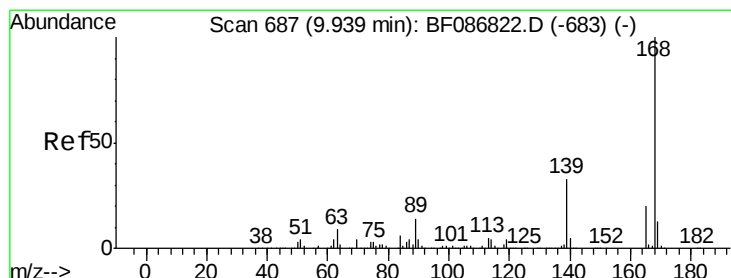
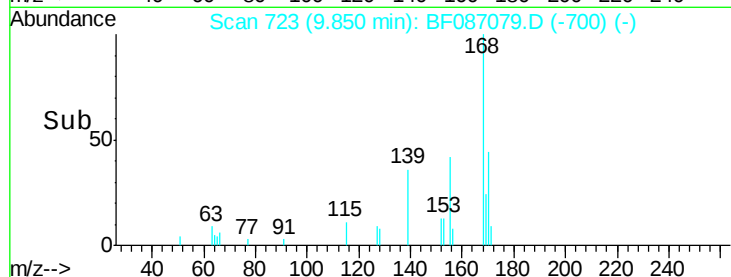
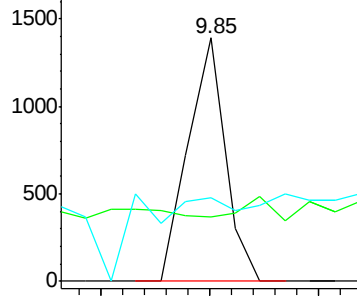
65 34.2 64.0 104.0#



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: 6.52 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.29 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Tgt Ion:165 Resp: 15752

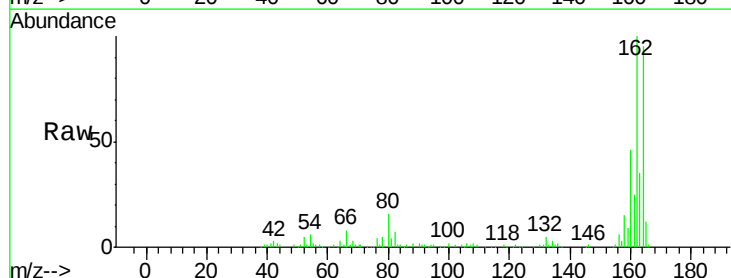
Ion Ratio Lower Upper

165 100

63 2.3 44.3 66.5#

89 0.0 70.0 105.0#

182 0.0 1.8 2.6#

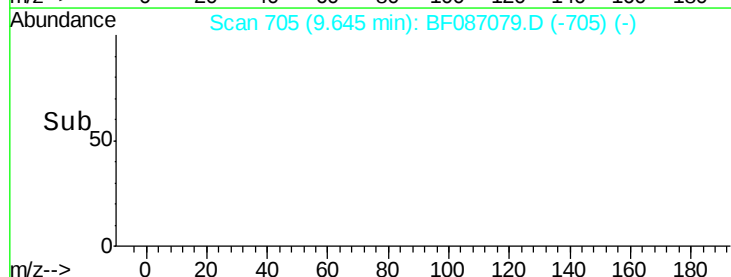
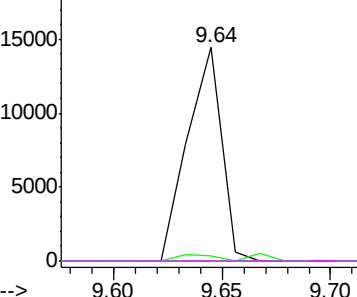


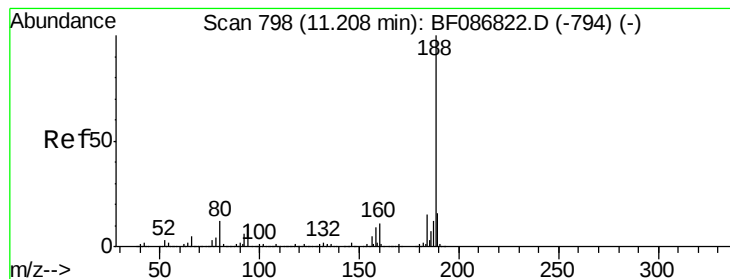
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

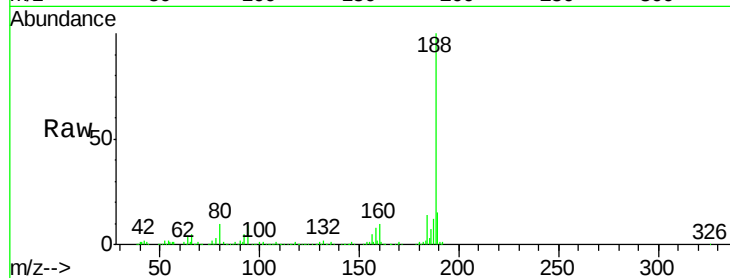
Tgt Ion:188 Resp: 215481

Ion Ratio Lower Upper

188 100

94 9.1 6.8 10.2

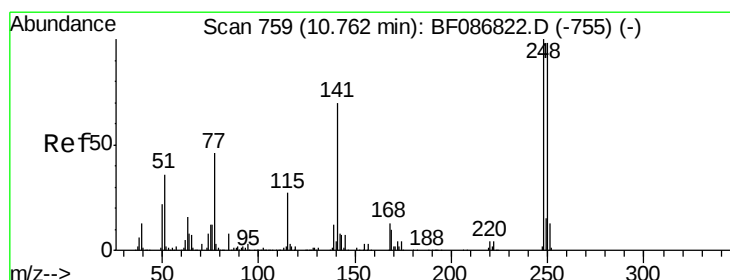
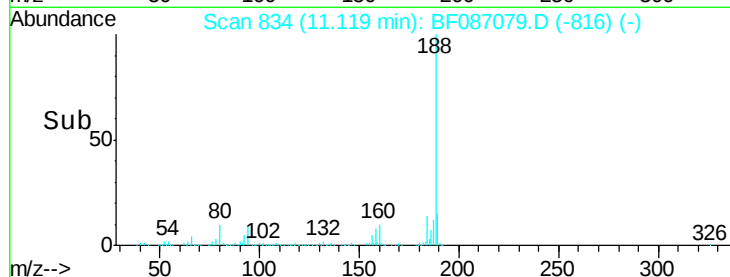
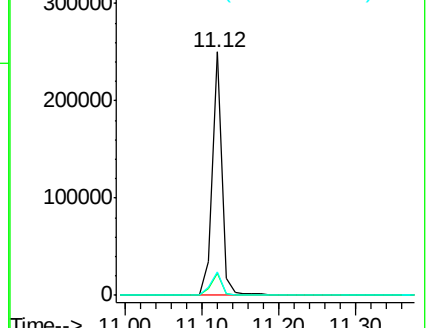
80 9.9 7.1 10.7



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: 2.78 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

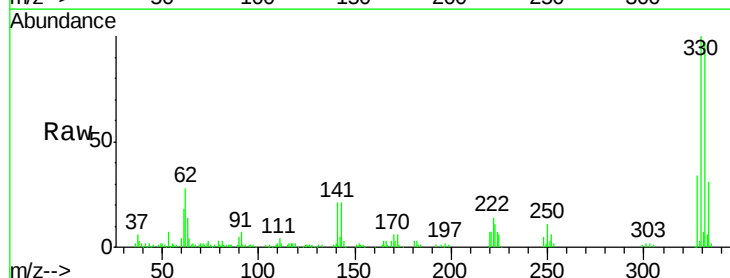
Tgt Ion:248 Resp: 6083

Ion Ratio Lower Upper

248 100

250 201.1 78.6 117.8#

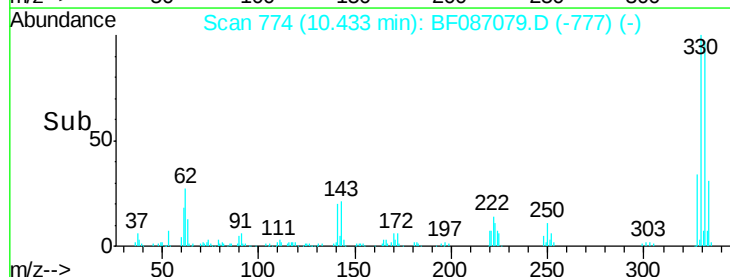
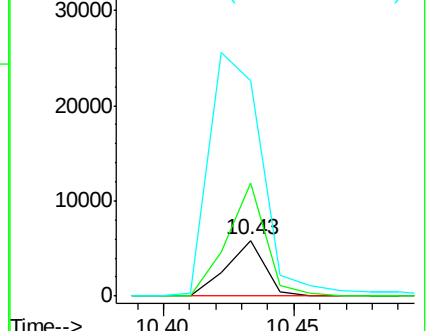
141 385.2 76.0 114.0#

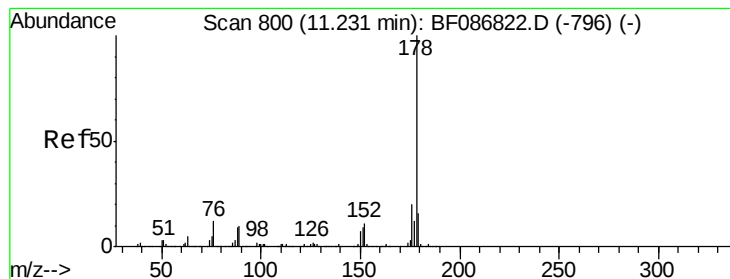


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 6.73 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.09 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

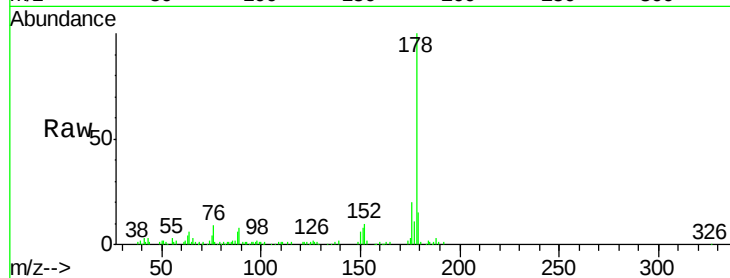
Tgt Ion:178 Resp: 77388

Ion Ratio Lower Upper

178 100

176 20.1 16.0 24.0

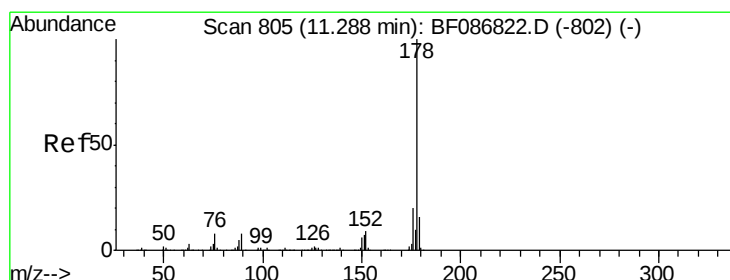
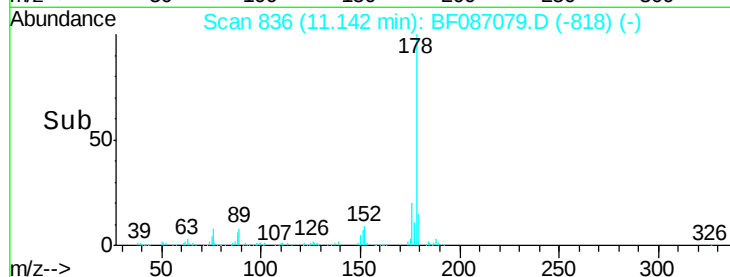
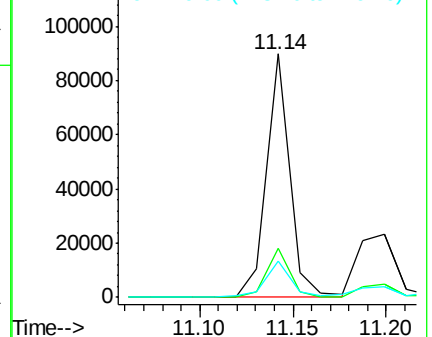
179 14.8 12.6 18.8



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: 3.15 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.09 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

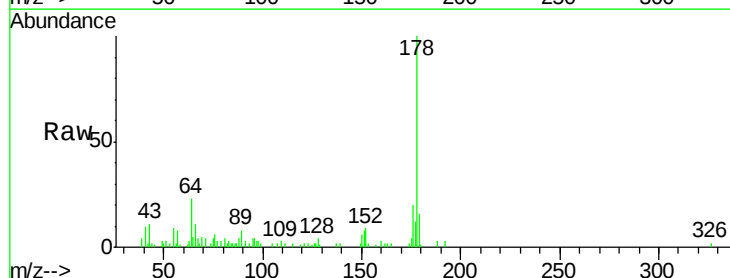
Tgt Ion:178 Resp: 37074

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

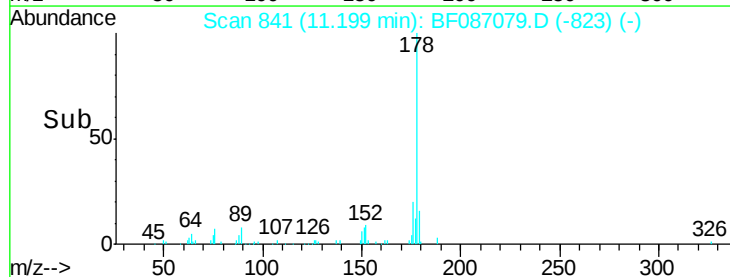
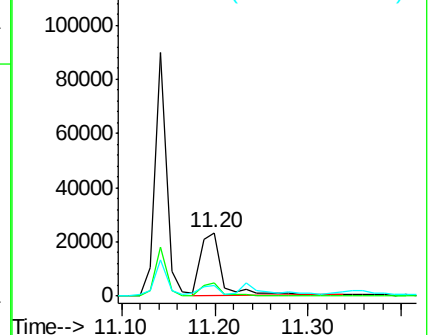
179 15.7 12.7 19.1

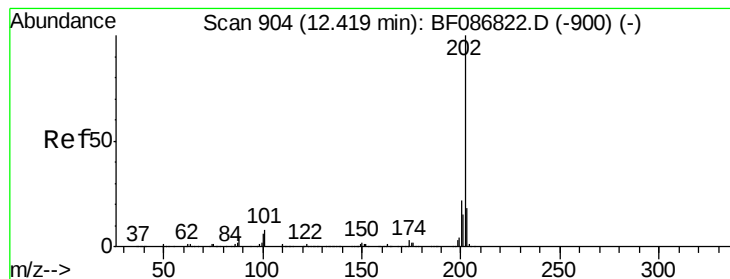


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 24.80 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.09 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

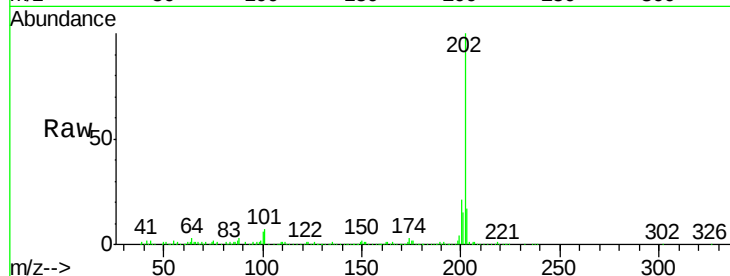
Instrument :

BNA_F

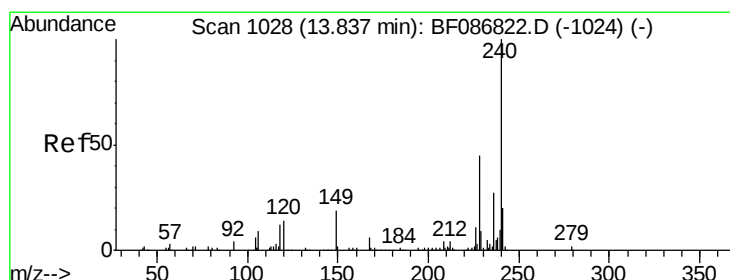
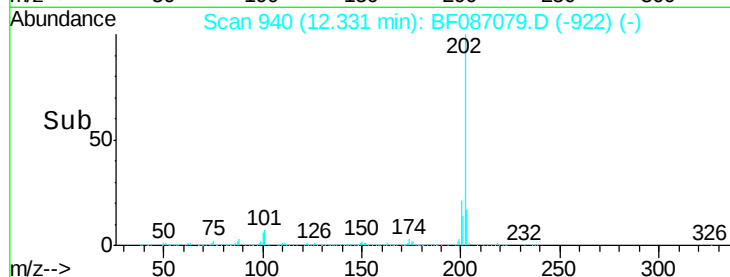
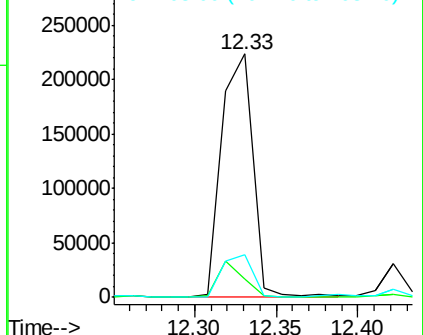
ClientSampleId :

TP42-4.5FT

Tgt Ion:	202	Resp:	293299
Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	35.4
203	17.3	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

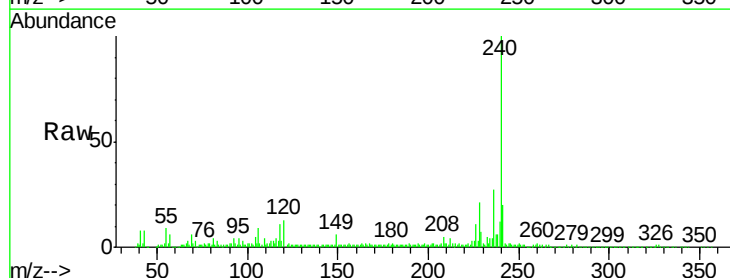
RT: 13.75 min Scan# 1064

Delta R.T. -0.09 min

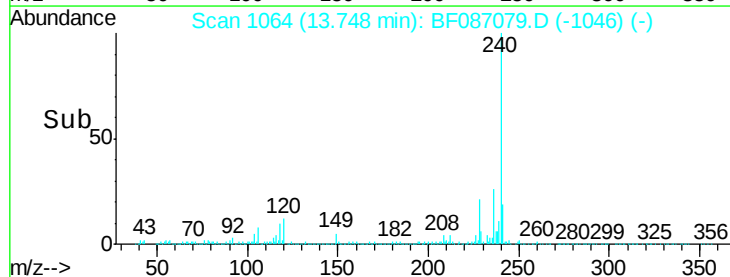
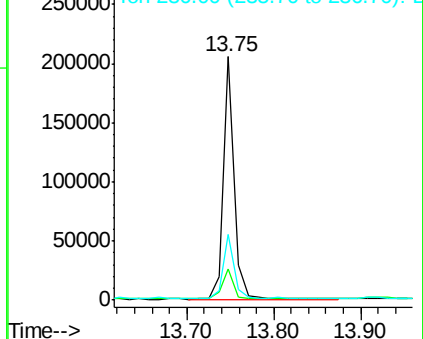
Lab File: BF087079.D

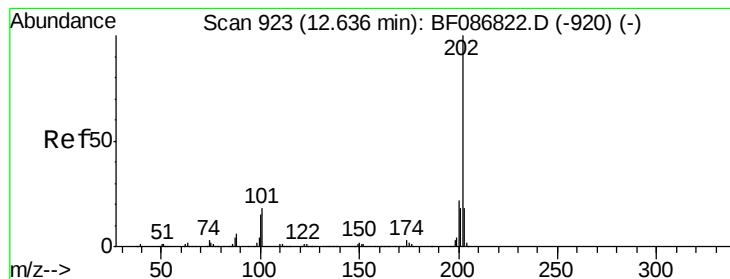
Acq: 16 May 2016 14:10

Tgt Ion:	240	Resp:	178508
Ion	Ratio	Lower	Upper
240	100		
120	13.0	11.2	16.8
236	26.9	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: 18.39 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.09 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

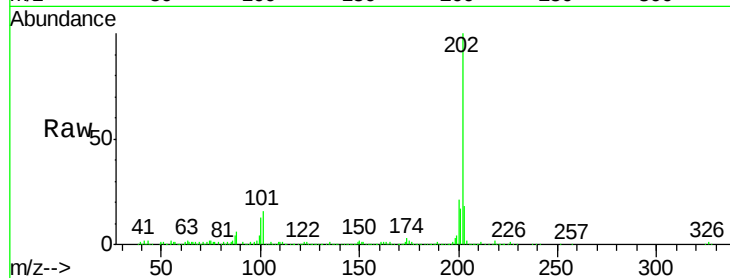
Tgt Ion:202 Resp: 251340

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

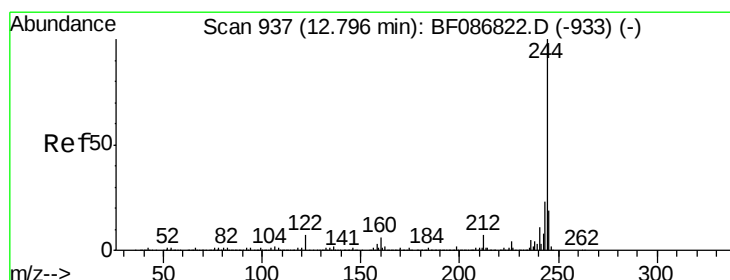
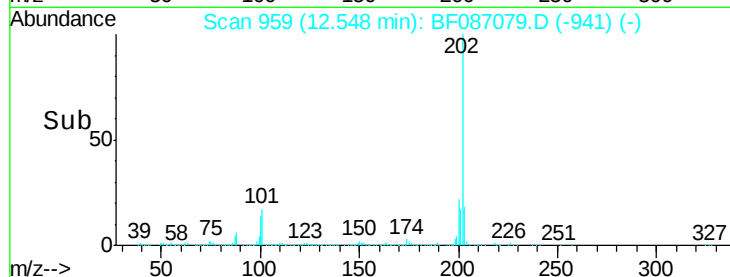
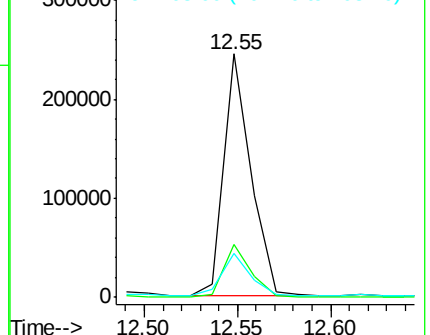
203 18.3 14.2 21.4



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: 45.82 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

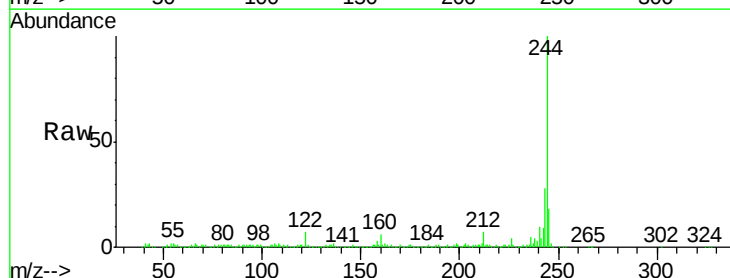
Tgt Ion:244 Resp: 385470

Ion Ratio Lower Upper

244 100

212 6.6 6.2 9.2

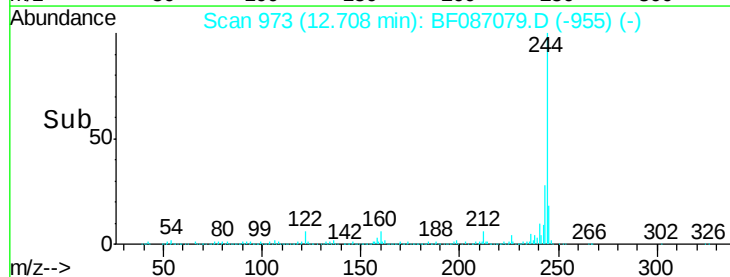
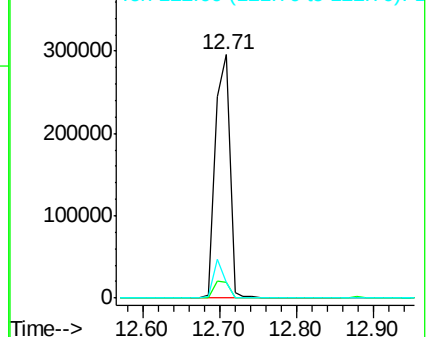
122 6.6 12.0 18.0#

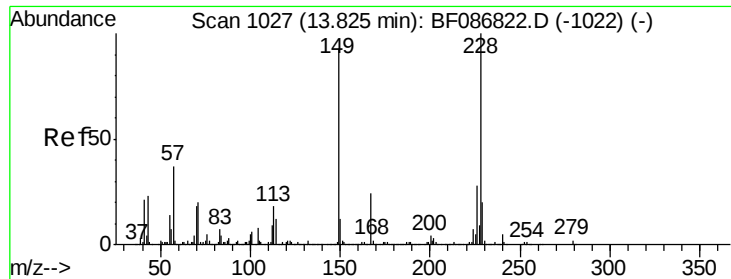


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 16.19 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.09 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

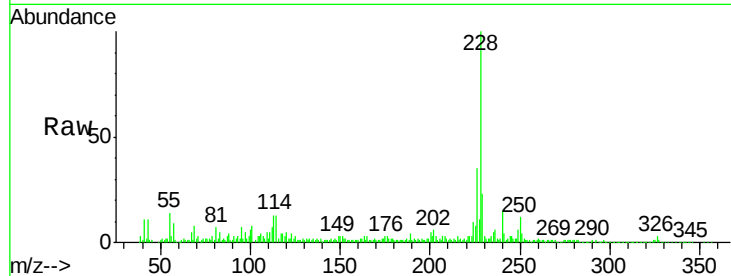
Tgt Ion:228 Resp: 162258

Ion Ratio Lower Upper

228 100

226 35.0 22.5 33.7#

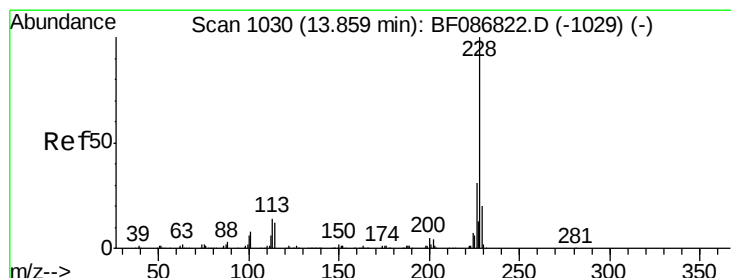
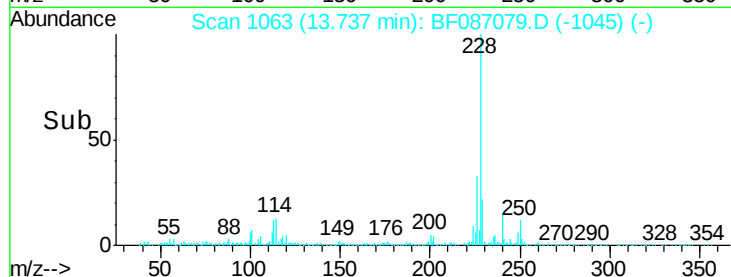
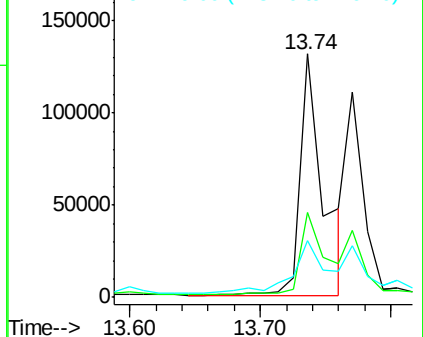
229 23.3 16.6 25.0



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: 15.92 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.12 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

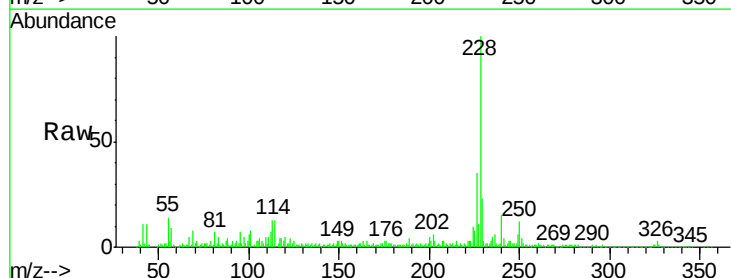
Tgt Ion:228 Resp: 162258

Ion Ratio Lower Upper

228 100

226 35.0 24.4 36.6

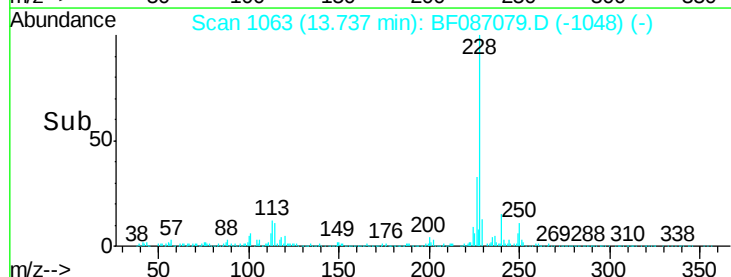
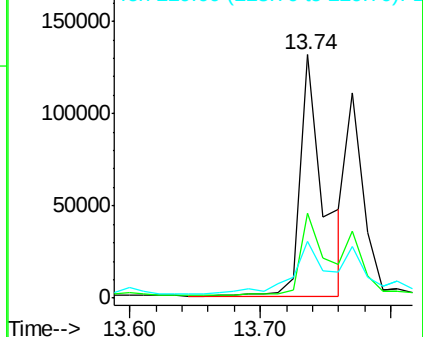
229 23.3 15.8 23.8

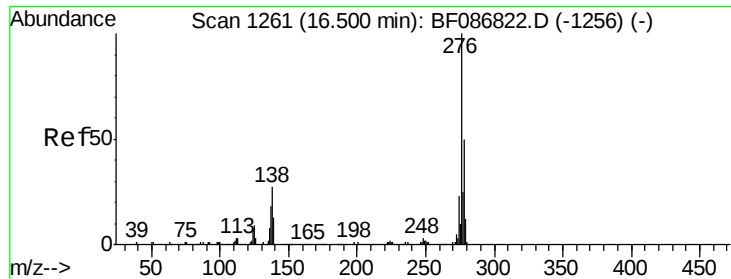


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

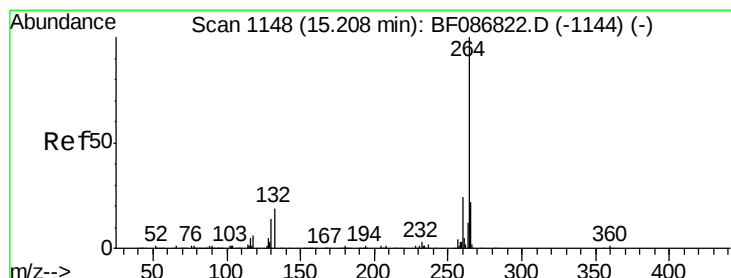
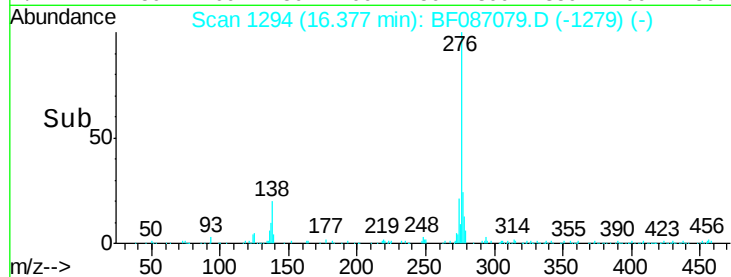
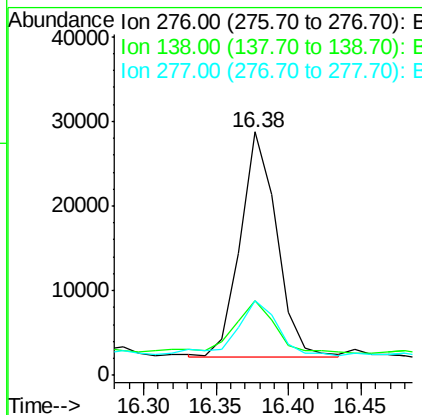
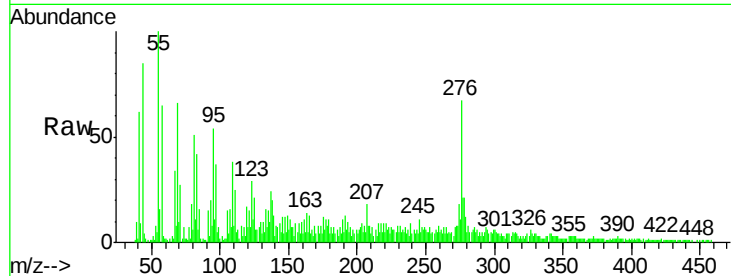




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.43 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.12 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

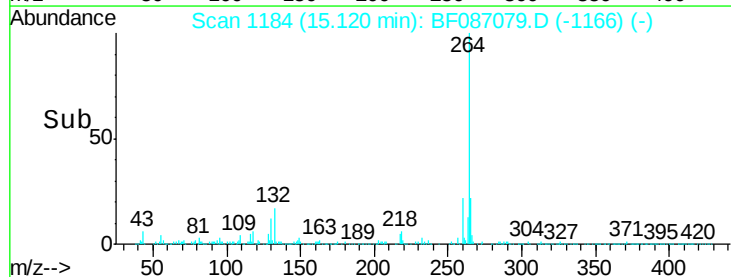
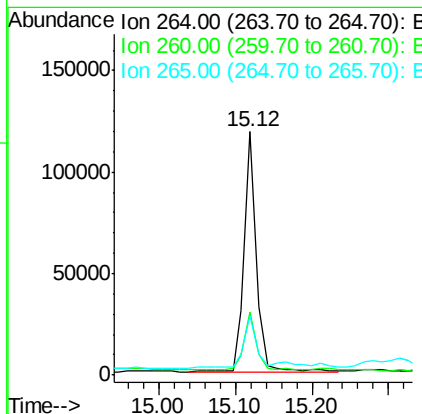
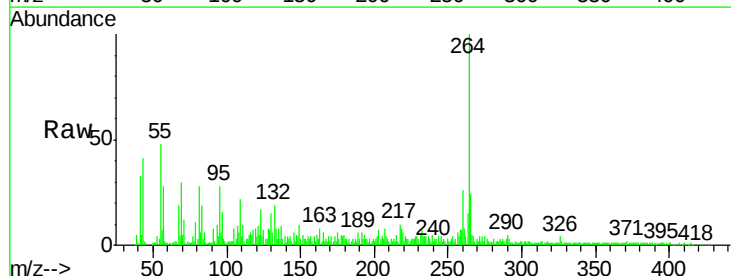
Instrument :
BNA_F
ClientSampleId :
TP42-4.5FT

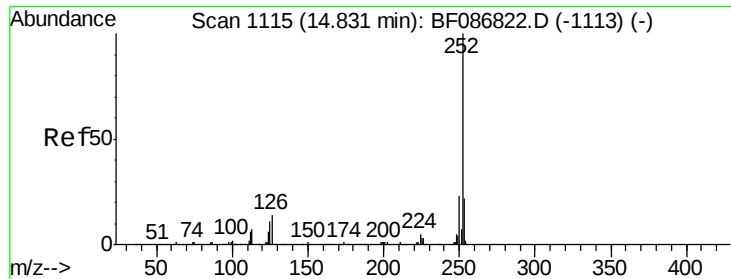
Tgt Ion: 276 Resp: 46073
Ion Ratio Lower Upper
276 100
138 28.0 25.6 38.4
277 28.2 20.5 30.7



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

Tgt Ion: 264 Resp: 130614
Ion Ratio Lower Upper
264 100
260 25.7 19.5 29.3
265 24.3 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 20.18 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.08 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

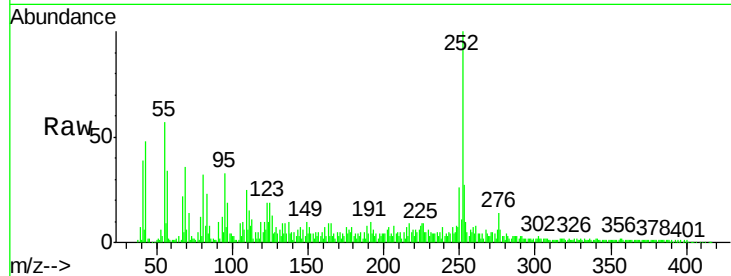
Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

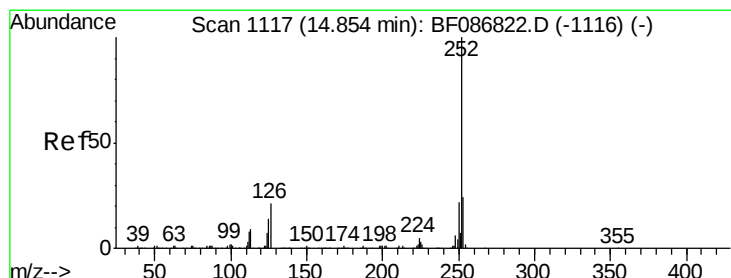
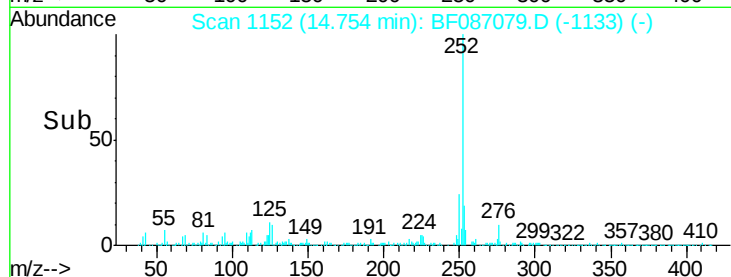
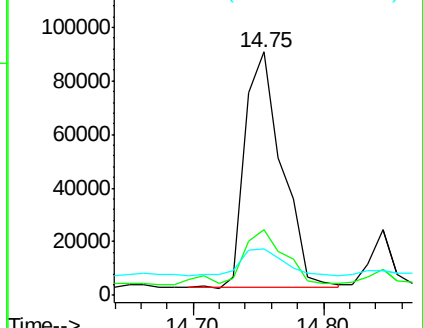
Tgt Ion:	252	Resp:	171281
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.8	26.6#
125	18.9	11.4	17.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 24.64 ng

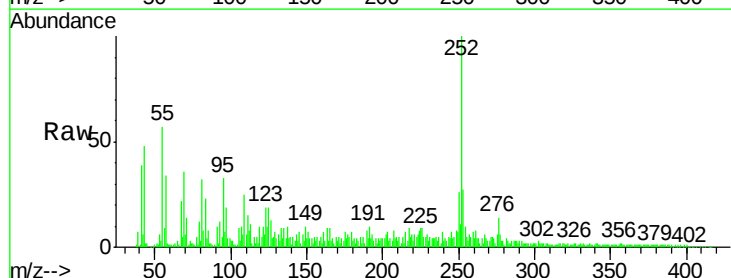
RT: 14.75 min Scan# 1152

Delta R.T. -0.10 min

Lab File: BF087079.D

Acq: 16 May 2016 14:10

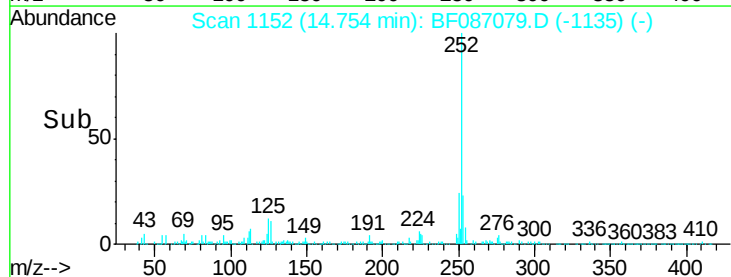
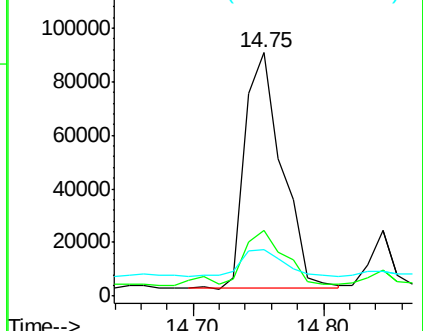
Tgt Ion:	252	Resp:	171281
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.8	26.6#
125	18.9	9.1	13.7#

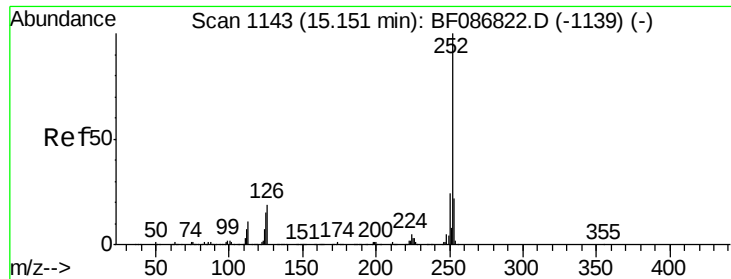


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

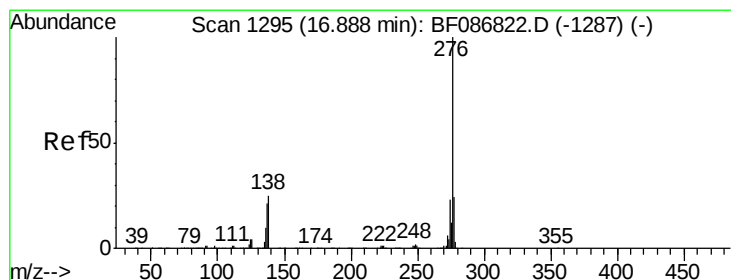
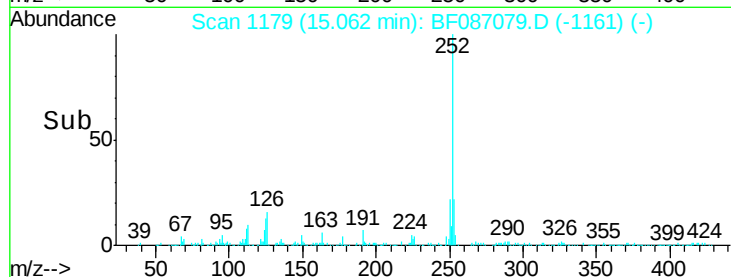
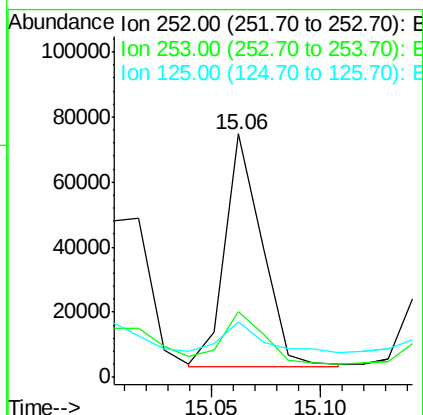
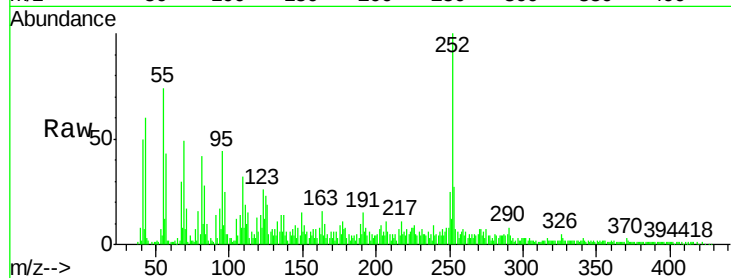




#89
Benzo(a)pyrene
Concen: 11.64 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.09 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

Instrument :
BNA_F
ClientSampleId :
TP42-4.5FT

Tgt Ion: 252 Resp: 85226
Ion Ratio Lower Upper
252 100
253 27.2 17.2 25.8#
125 22.8 9.0 13.6#



#91
Benzo(g,h,i)perylene
Concen: 7.27 ng
RT: 16.75 min Scan# 1327
Delta R.T. -0.13 min
Lab File: BF087079.D
Acq: 16 May 2016 14:10

Tgt Ion: 276 Resp: 45573
Ion Ratio Lower Upper
276 100
277 30.8 19.6 29.4#
138 32.4 23.6 35.4

