

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087073.D
 Acq On : 15 May 2016 16:55
 Operator : UM/SJ
 Sample : H2977-06
 Misc :
 ALS Vial : 92 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0

Quant Time: May 16 04:59:05 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	6.62	152	160887	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	593655	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	243464	20.00	ng	-0.09
63) Phenanthrene-d10	11.13	188	438169	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	401635	20.00	ng	-0.08
86) Perylene-d12	15.12	264	367112	20.00	ng	-0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1139667	119.96	ng	-0.08
7) Phenol-d6	6.30	99	1570730	123.71	ng	-0.07
23) Nitrobenzene-d5	7.19	82	889925	75.27	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	289619	112.37	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1272031	87.81	ng	-0.08
78) Terphenyl-d14	12.72	244	1049086	55.42	ng	-0.08

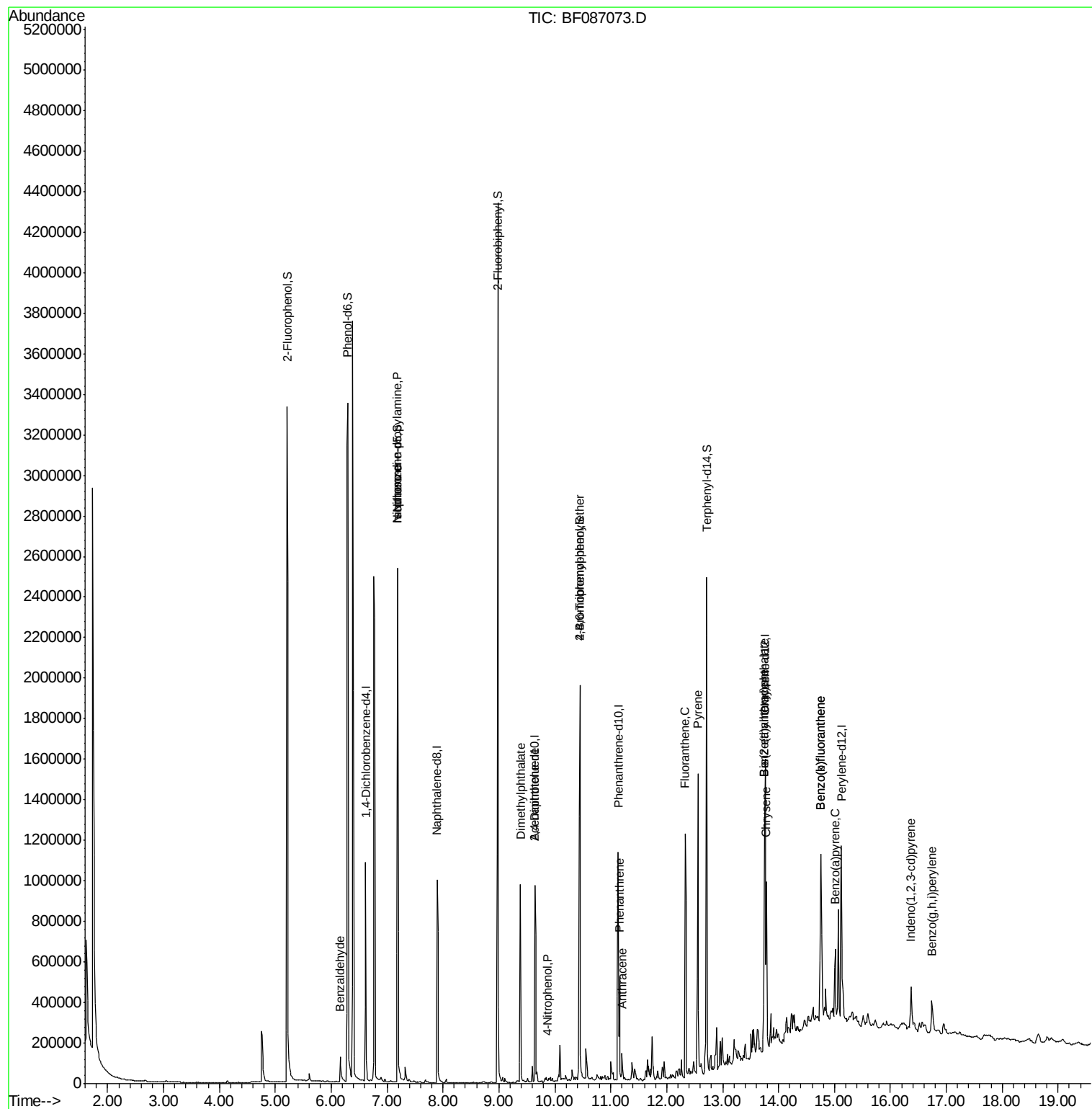
Target Compounds				Qvalue		
9) Benzaldehyde	6.16	77	41130	5.59	ng	90
19) n-Nitroso-di-n-propylamine	7.19	70	124630	14.05	ng	# 71
25) Isophorone	7.19	82	884102	40.30	ng	# 68
49) Dimethylphthalate	9.38	163	337828	18.19	ng	100
55) 4-Nitrophenol	9.86	139	762	4.82	ng	# 14
56) 2,4-Dinitrotoluene	9.64	165	30176	6.24	ng	# 17
66) 4-Bromophenyl-phenylether	10.44	248	17803	4.01	ng	# 1
70) Phenanthrene	11.15	178	192868	8.25	ng	98
71) Anthracene	11.20	178	54464	2.28	ng	97
74) Fluoranthene	12.33	202	626009	26.03	ng	99
77) Pyrene	12.56	202	576136	18.74	ng	99
80) Benzo(a)anthracene	13.75	228	360245	15.98	ng	98
82) Chrysene	13.78	228	253114	11.04	ng	98
83) Bis(2-ethylhexyl)phthalate	13.75	149	33340	2.13	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.37	276	142035	7.44	ng	# 90
87) Benzo(b)fluoranthene	14.75	252	565234	23.69	ng	97
88) Benzo(k)fluoranthene	14.75	252	565234	28.93	ng	99
89) Benzo(a)pyrene	15.02	252	179817	8.74	ng	98
91) Benzo(g,h,i)perylene	16.74	276	115953	6.58	ng	95

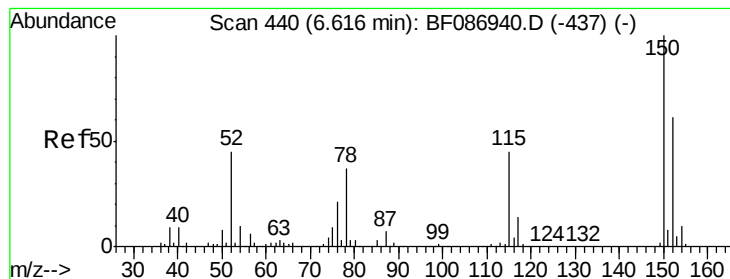
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

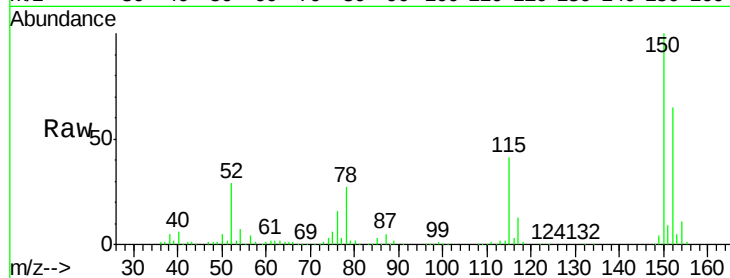
Tgt Ion:152 Resp: 160887

Ion Ratio Lower Upper

152 100

150 152.9 125.8 188.6

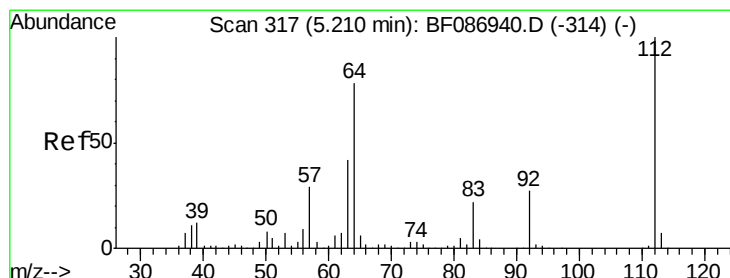
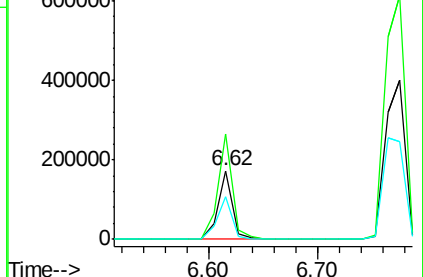
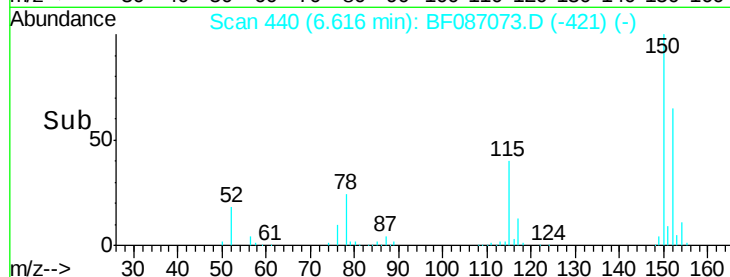
115 62.2 51.5 77.3



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: 119.96 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

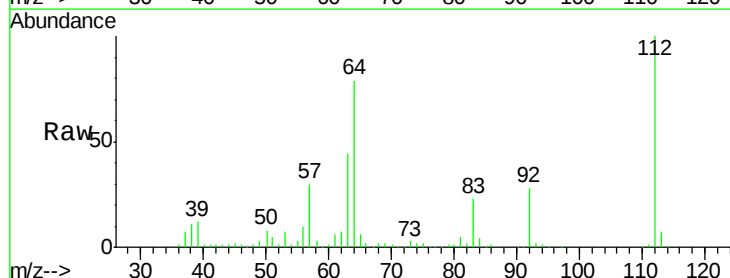
Tgt Ion:112 Resp: 1139667

Ion Ratio Lower Upper

112 100

64 78.8 52.1 78.1#

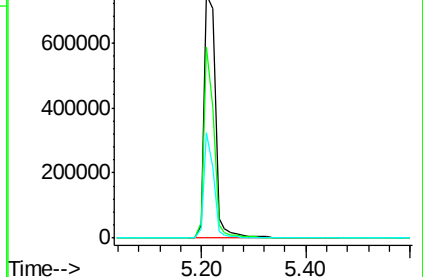
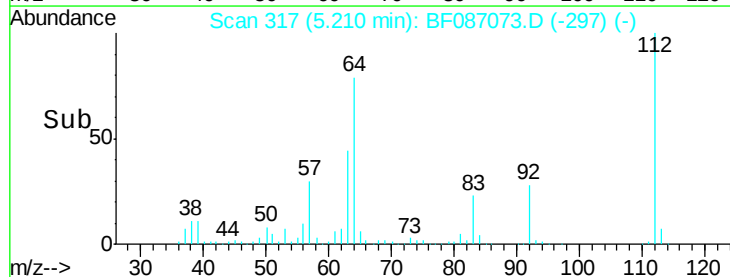
63 43.5 25.7 38.5#



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: 123.71 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.07 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

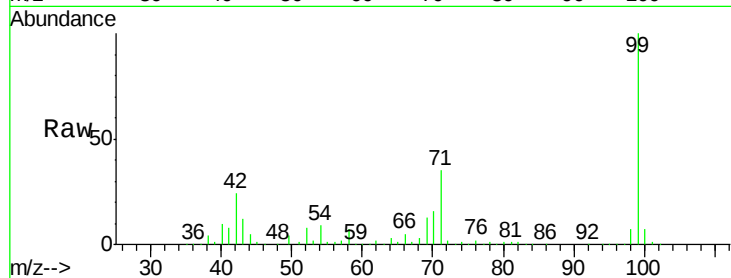
BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

Tgt Ion: 99 Resp: 1570730

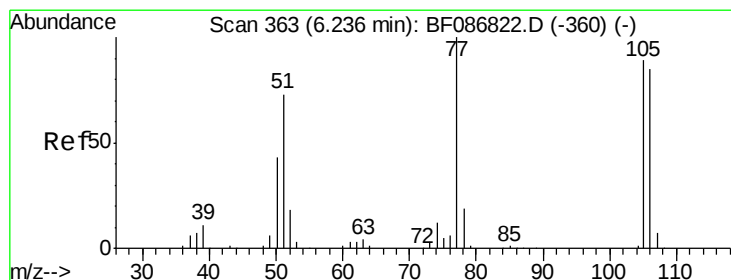
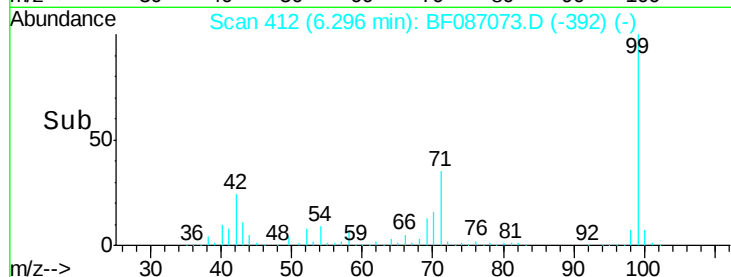
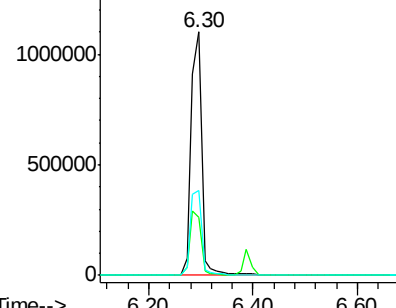
Ion	Ratio	Lower	Upper
99	100		
42	23.6	13.6	20.4#
71	35.0	24.6	36.8



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: 5.59 ng

RT: 6.16 min Scan# 400

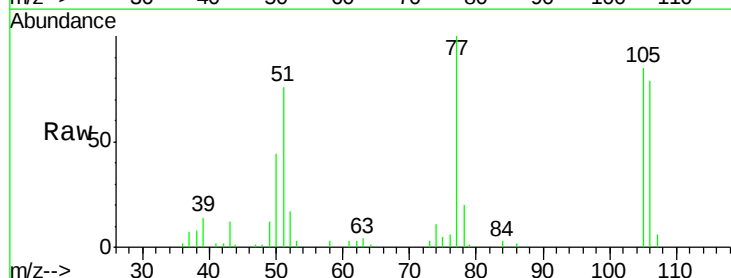
Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Tgt Ion: 77 Resp: 41130

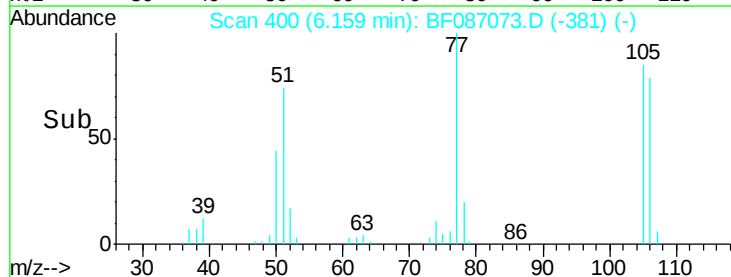
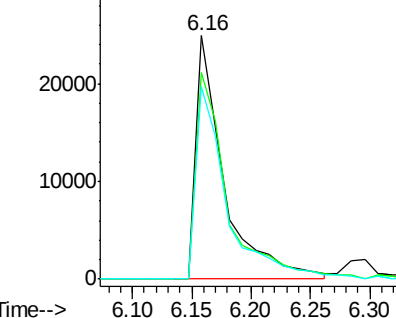
Ion	Ratio	Lower	Upper
77	100		
105	84.8	72.7	112.7
106	78.9	70.8	110.8

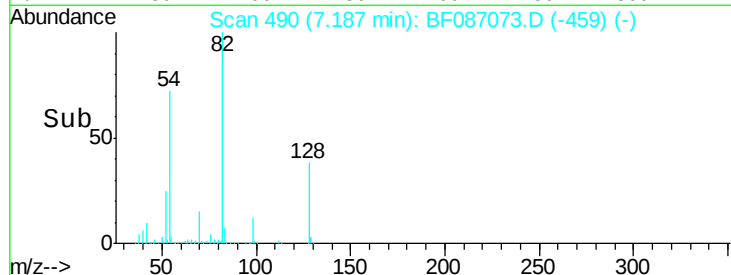
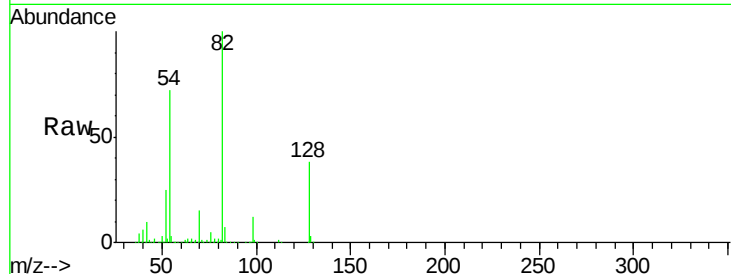
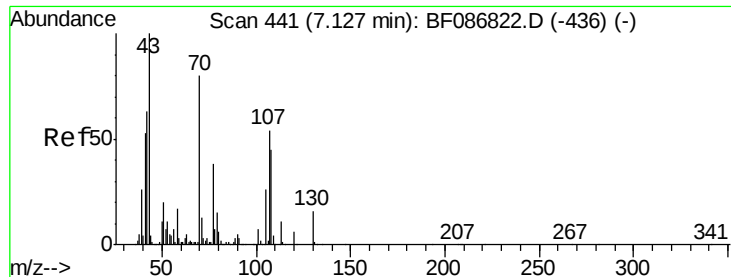


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

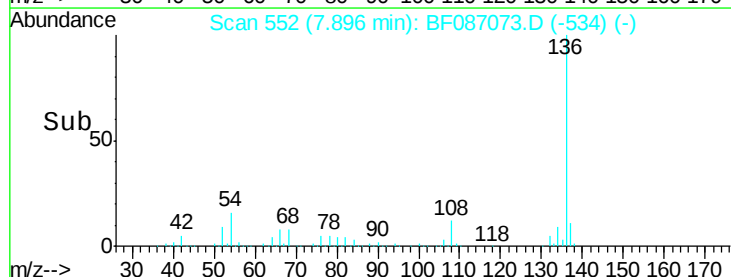
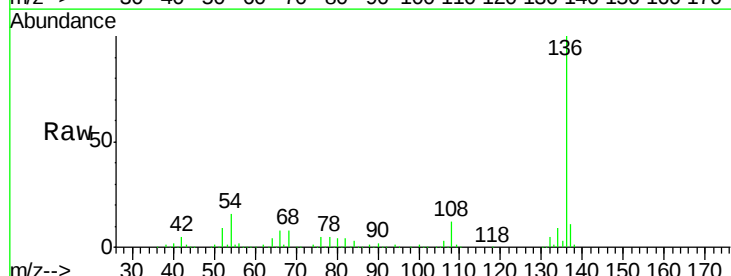
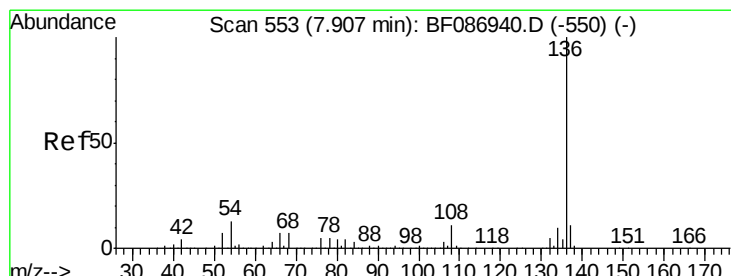
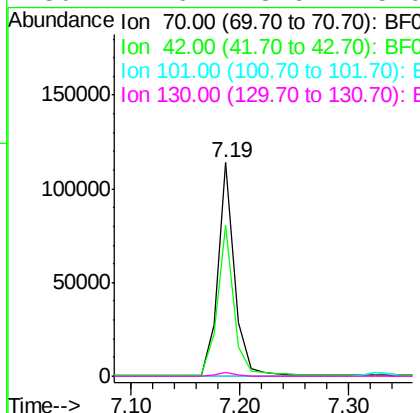




#19
n-Nitroso-di-n-propylamine
Concen: 14.05 ng
RT: 7.19 min Scan# 490
Delta R.T. 0.06 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

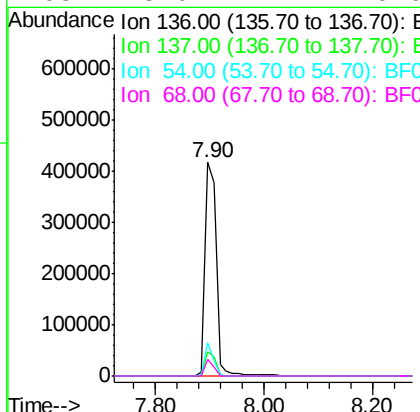
Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0

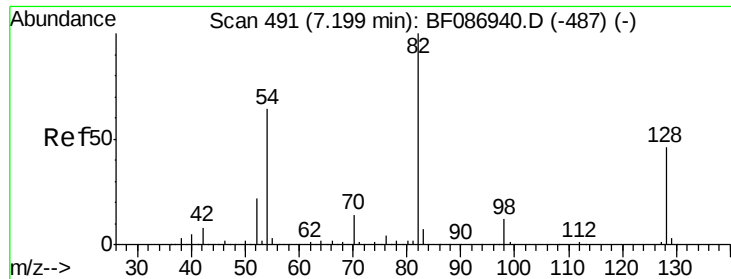
Tgt Ion: 70 Resp: 124630
Ion Ratio Lower Upper
70 100
42 70.7 43.1 64.7#
101 0.0 8.1 12.1#
130 1.6 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

Tgt Ion: 136 Resp: 593655
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 15.7 5.0 7.4#
68 8.0 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 75.27 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

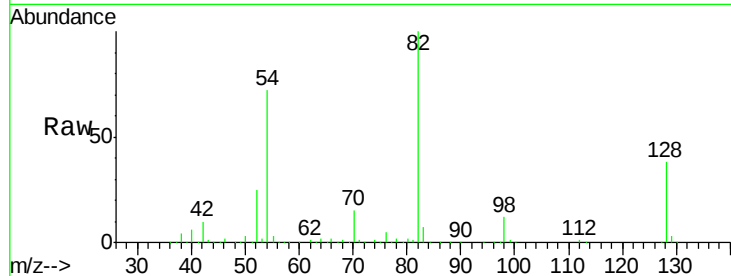
Tgt Ion: 82 Resp: 889925

Ion Ratio Lower Upper

82 100

128 37.9 40.6 61.0#

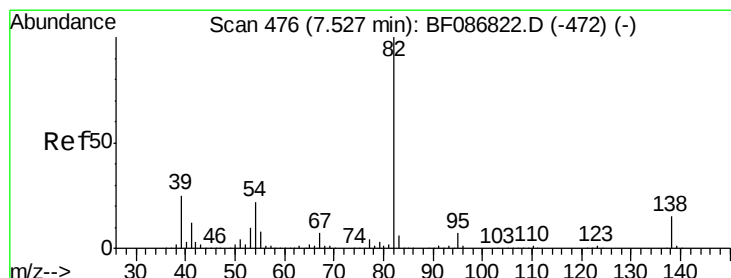
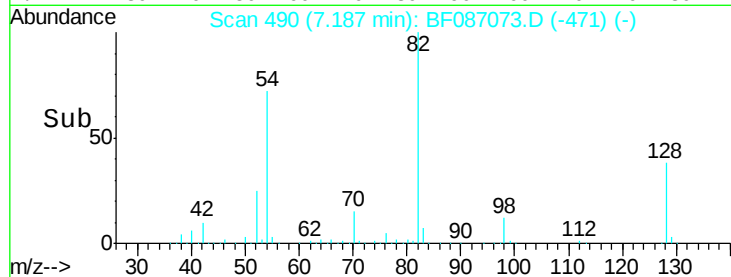
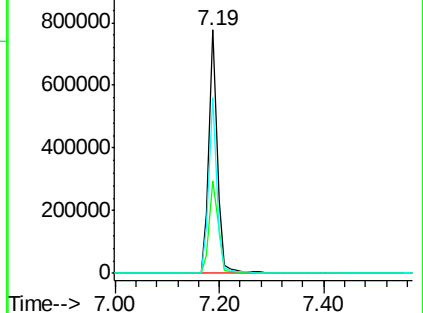
54 72.4 38.1 57.1#



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: 40.30 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

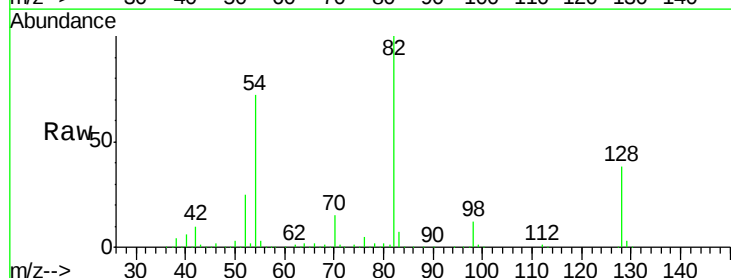
Tgt Ion: 82 Resp: 884102

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

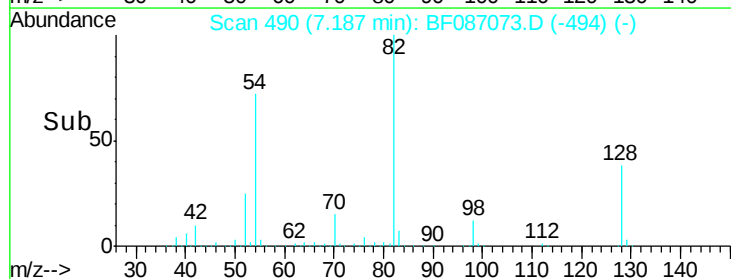
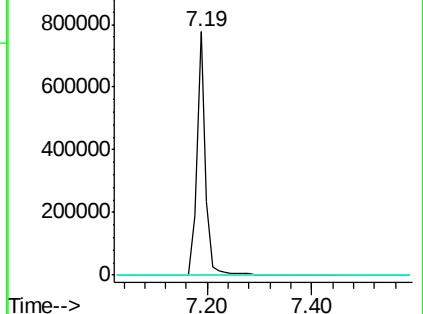
138 0.0 12.4 18.6#

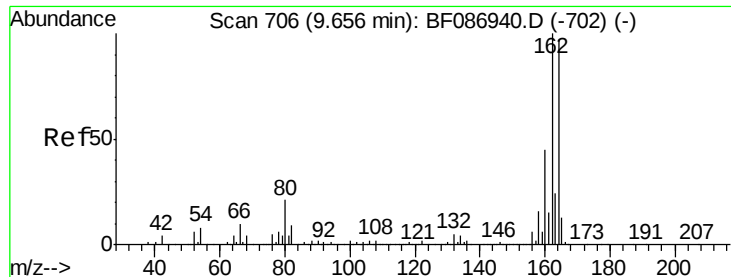


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

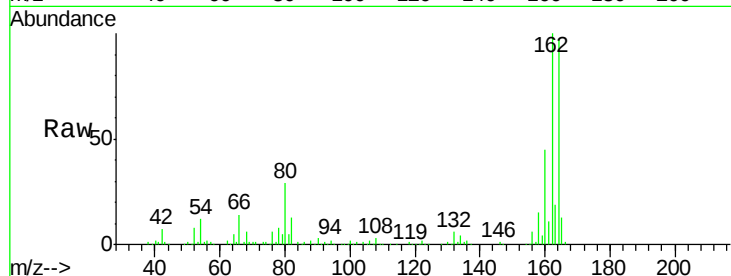
Tgt Ion:164 Resp: 243464

Ion Ratio Lower Upper

164 100

162 102.7 82.8 124.2

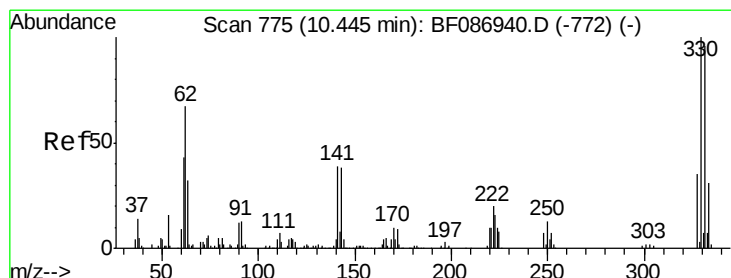
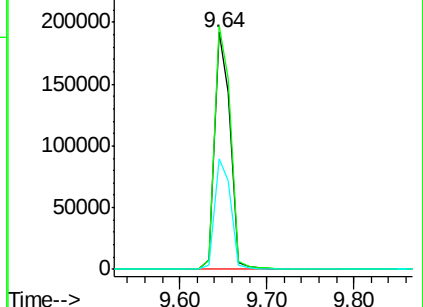
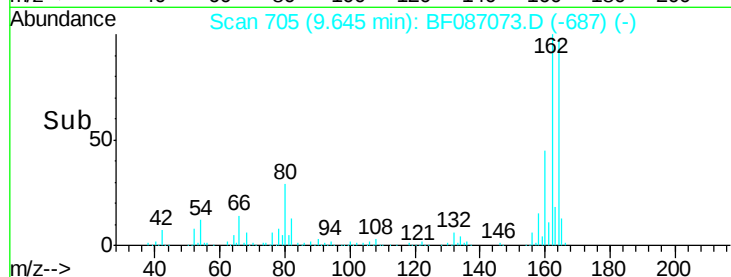
160 46.4 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 112.37 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

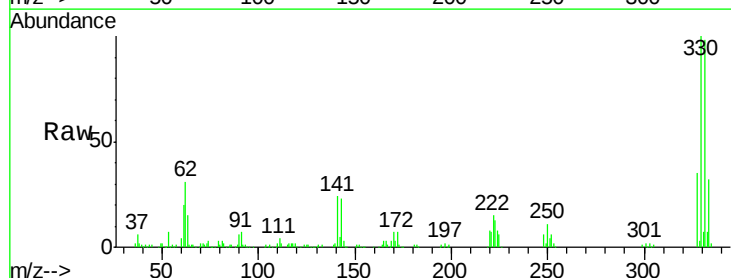
Tgt Ion:330 Resp: 289619

Ion Ratio Lower Upper

330 100

332 97.2 79.0 118.4

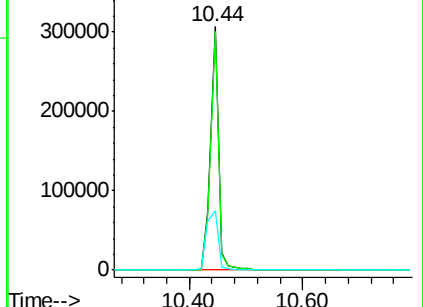
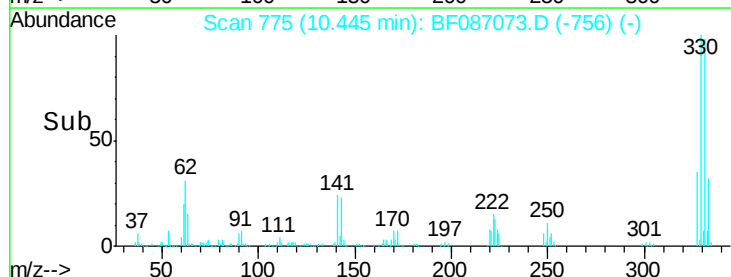
141 35.5 31.2 46.8

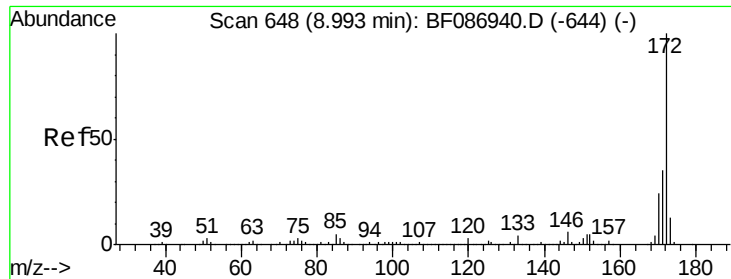


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

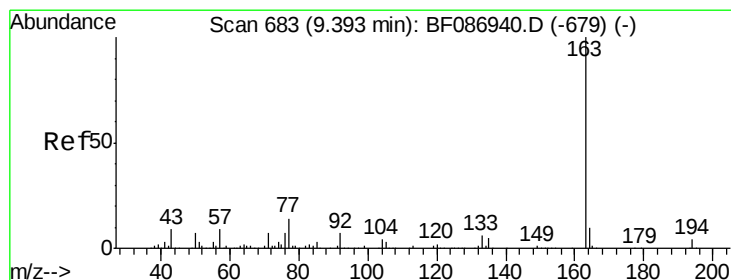
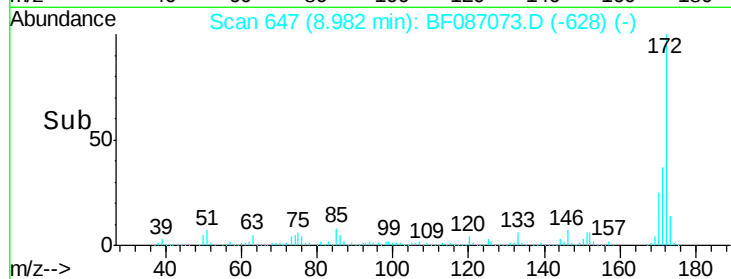
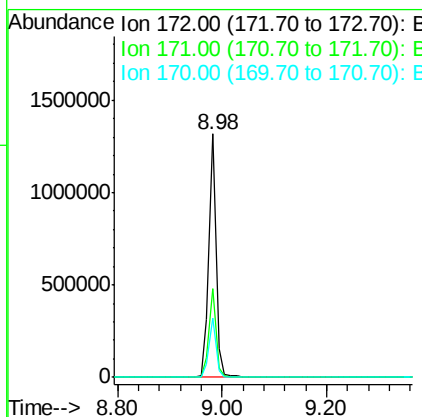
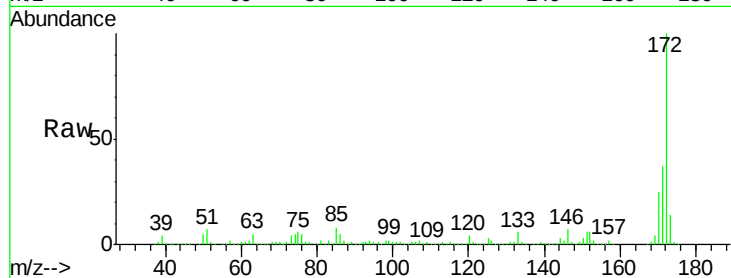




#44
 2-Fluorobiphenyl
 Concen: 87.81 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

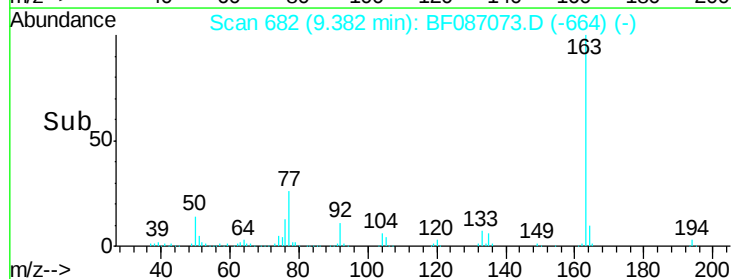
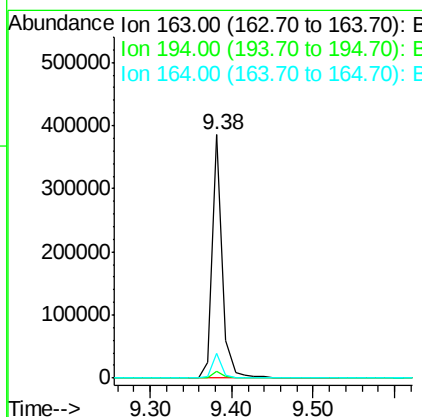
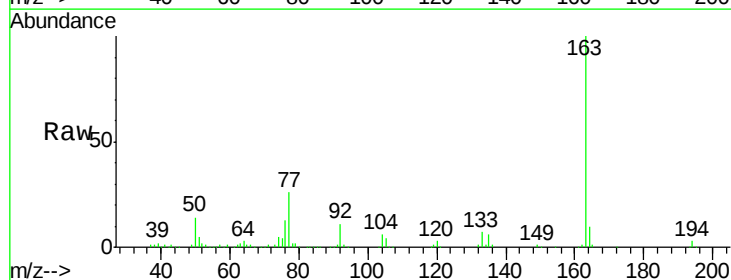
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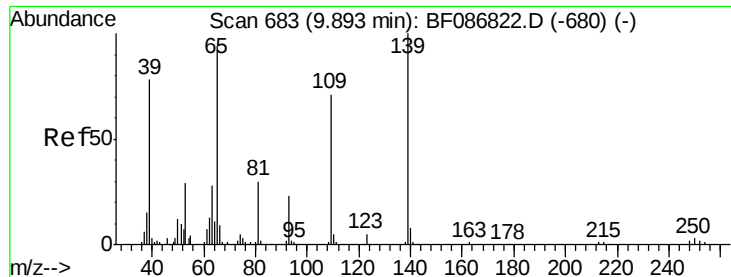
Tgt Ion:172 Resp: 1272031
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.6
 170 24.6 19.8 29.8



#49
 Dimethylphthalate
 Concen: 18.19 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.09 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

Tgt Ion:163 Resp: 337828
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.6 4.0
 164 10.3 8.2 12.4





#55

4-Nitrophenol

Concen: 4.82 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

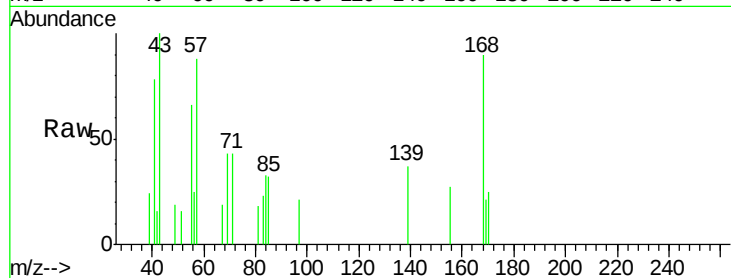
Instrument :

BNA_F

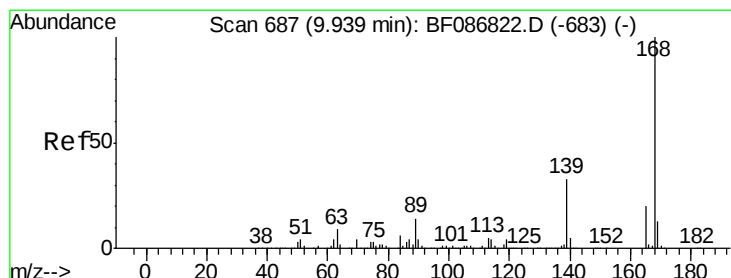
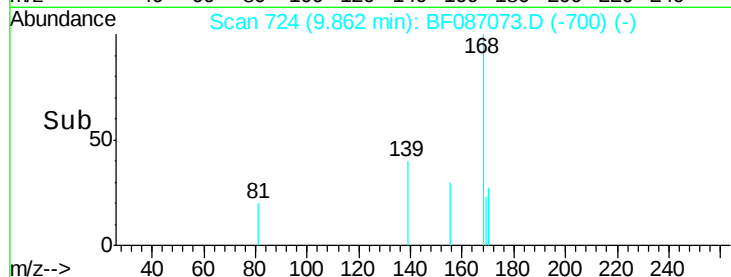
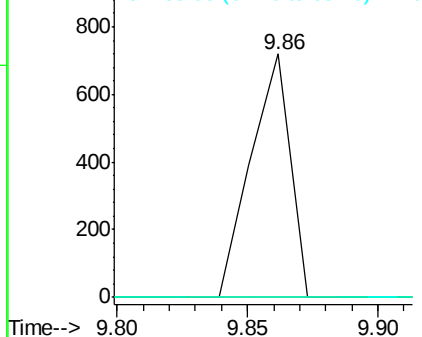
ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

Tgt Ion:	139	Resp:	762
Ion Ratio	Lower	Upper	
139	100		
109	0.0	36.9	76.9#
65	0.0	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: 6.24 ng

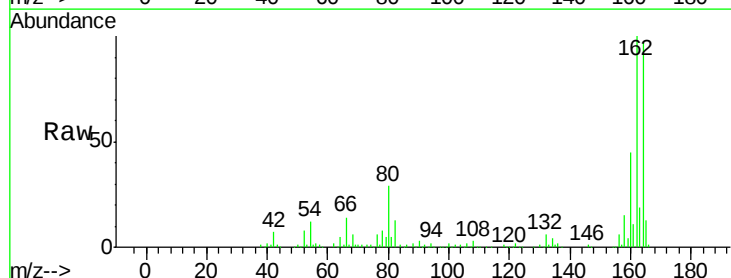
RT: 9.64 min Scan# 705

Delta R.T. -0.29 min

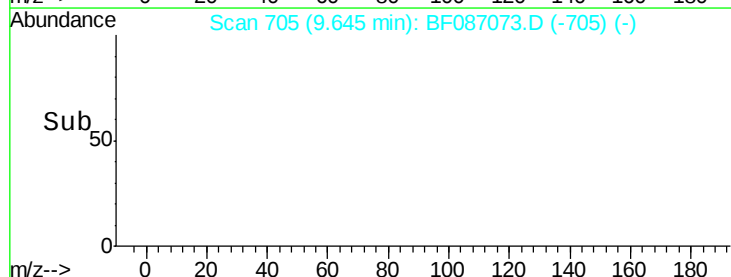
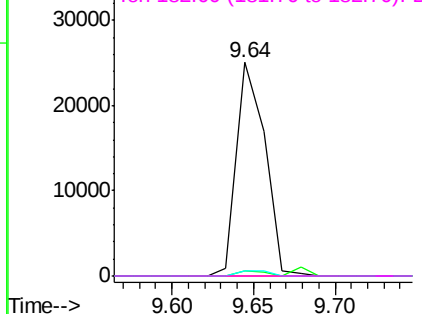
Lab File: BF087073.D

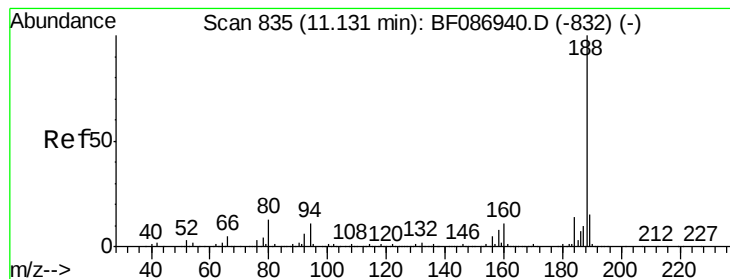
Acq: 15 May 2016 16:55

Tgt Ion:	165	Resp:	30176
Ion Ratio	Lower	Upper	
165	100		
63	2.4	44.3	66.5#
89	2.3	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: 11.13 min Scan# 835

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

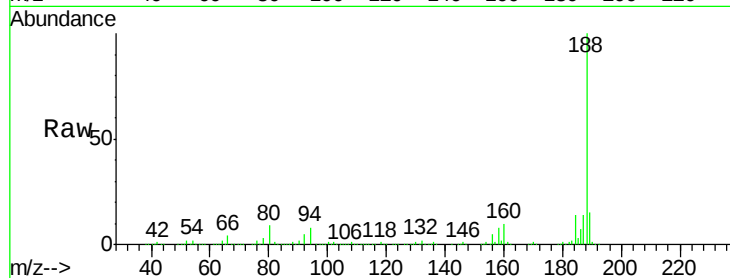
Tgt Ion:188 Resp: 438169

Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 8.8 7.1 10.7



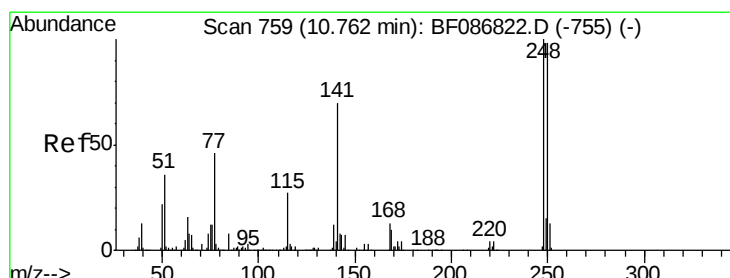
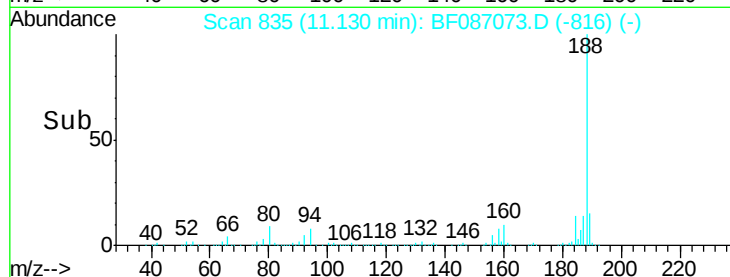
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.13

Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.01 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.32 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

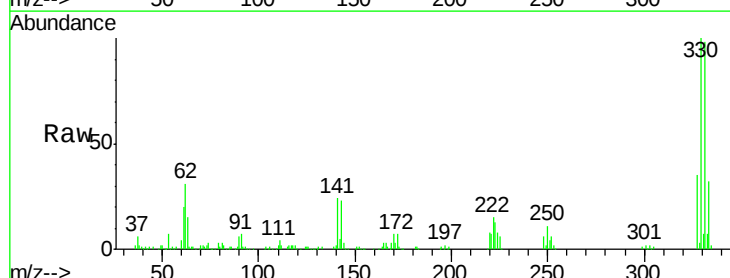
Tgt Ion:248 Resp: 17803

Ion Ratio Lower Upper

248 100

250 196.5 78.6 117.8#

141 420.1 76.0 114.0#



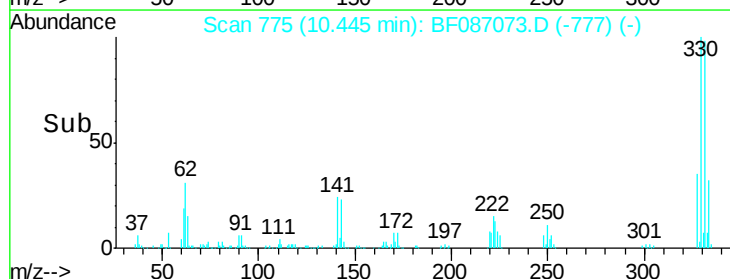
Abundance Ion 248.00 (247.70 to 248.70): E

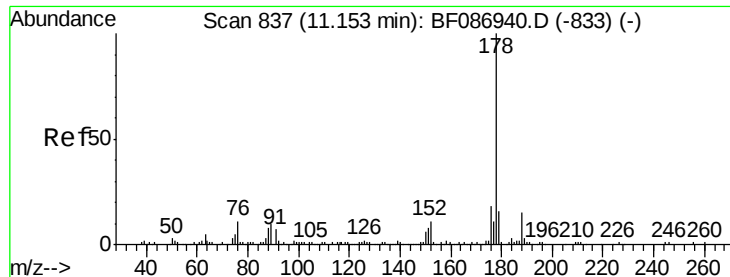
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

10.44

Time-->





#70

Phenanthrene

Concen: 8.25 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

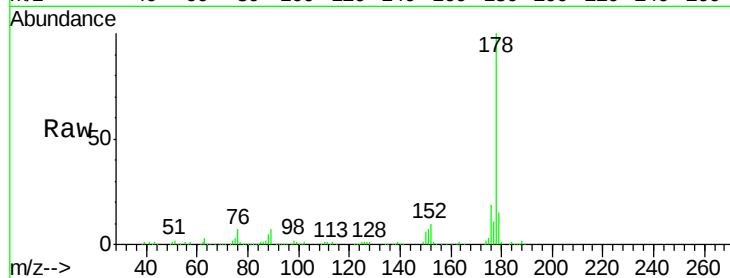
Tgt Ion:178 Resp: 192868

Ion Ratio Lower Upper

178 100

176 18.9 16.0 24.0

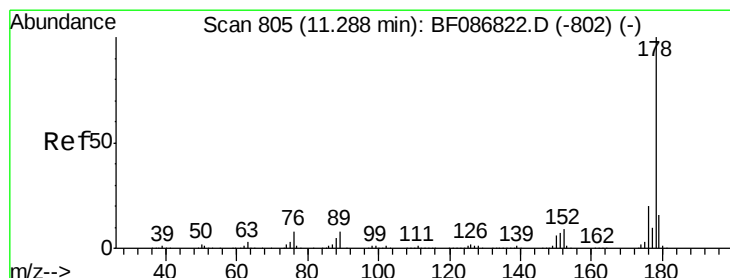
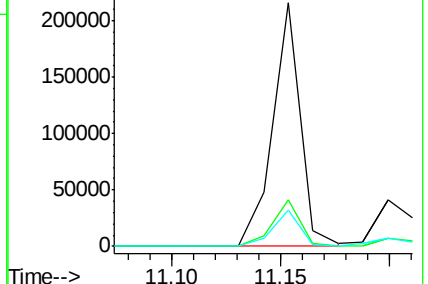
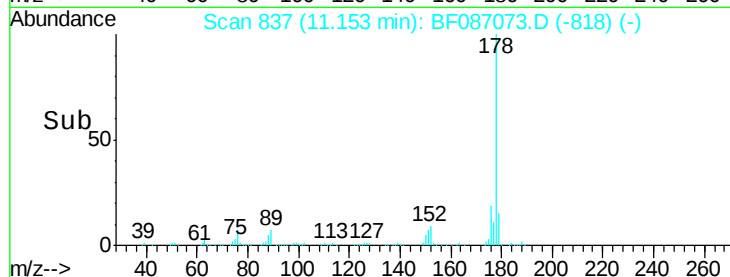
179 14.9 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.28 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.09 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

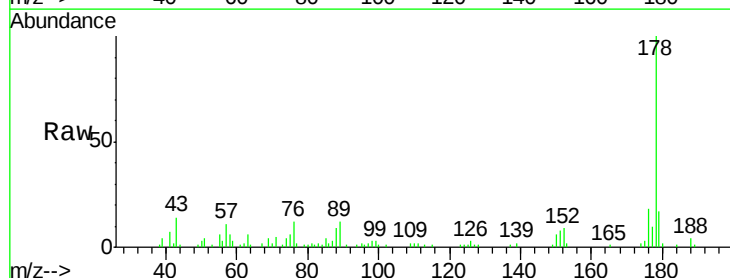
Tgt Ion:178 Resp: 54464

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

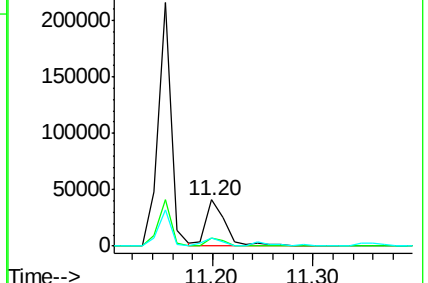
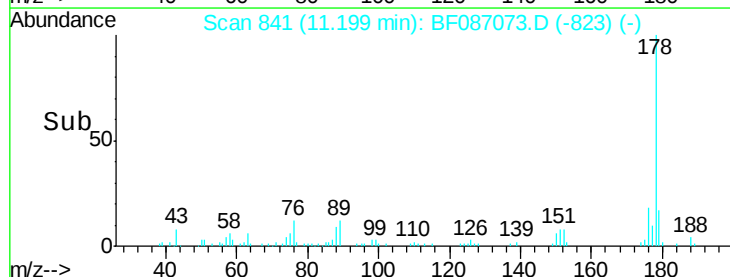
179 16.9 12.7 19.1

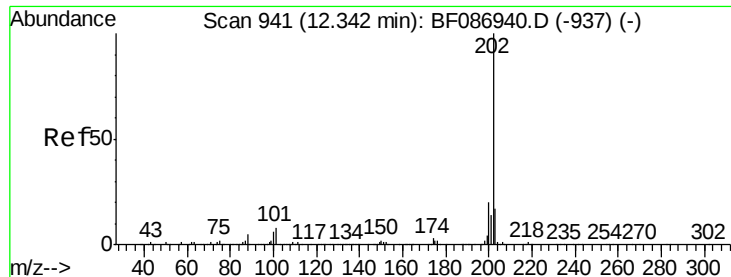


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 26.03 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.09 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

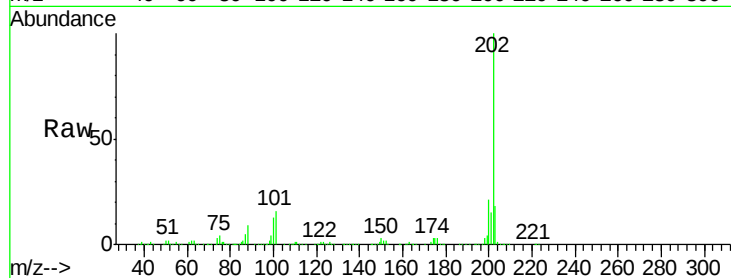
Tgt Ion:202 Resp: 626009

Ion Ratio Lower Upper

202 100

101 16.4 0.0 35.4

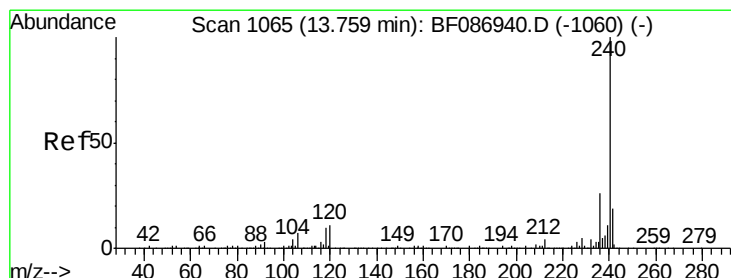
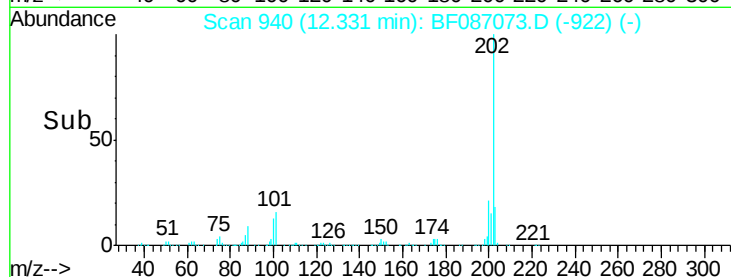
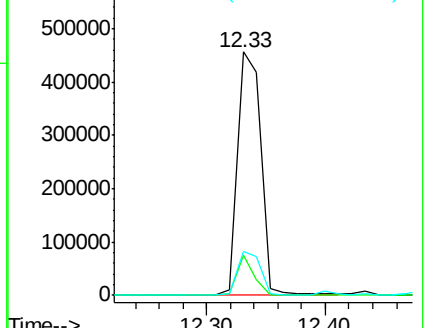
203 18.0 0.0 38.1



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: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

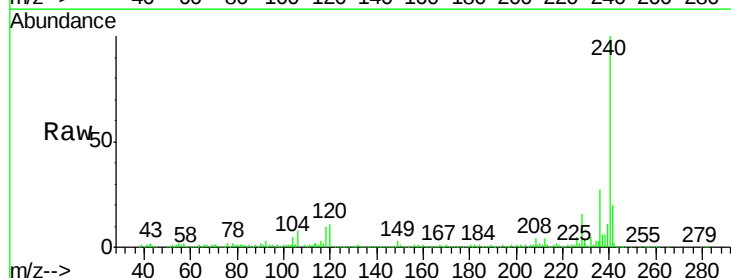
Tgt Ion:240 Resp: 401635

Ion Ratio Lower Upper

240 100

120 10.9 11.2 16.8#

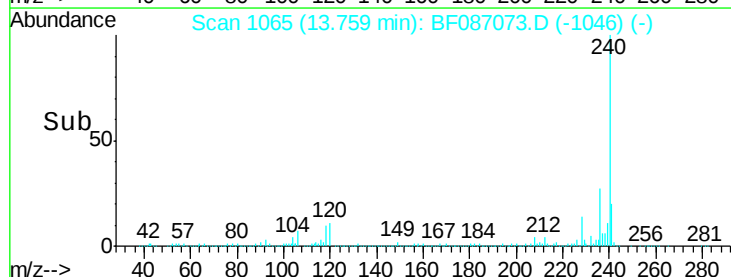
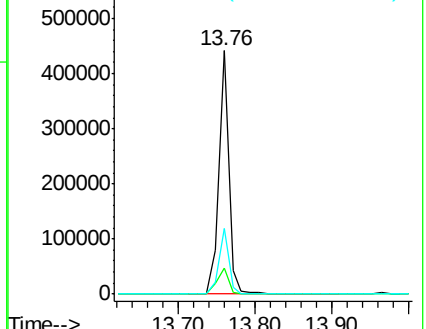
236 27.0 21.2 31.8

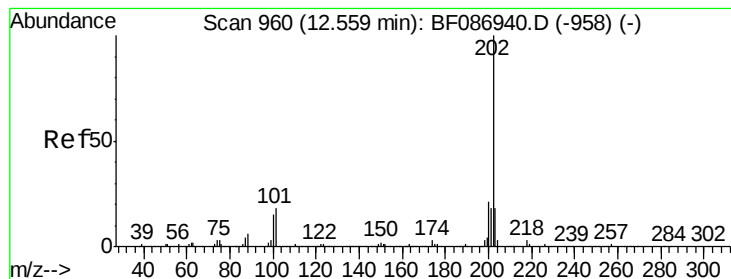


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 18.74 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

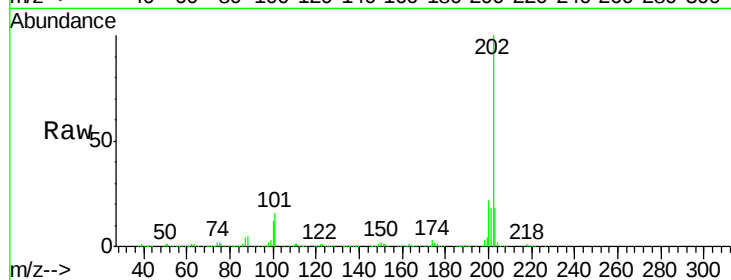
Tgt Ion:202 Resp: 576136

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

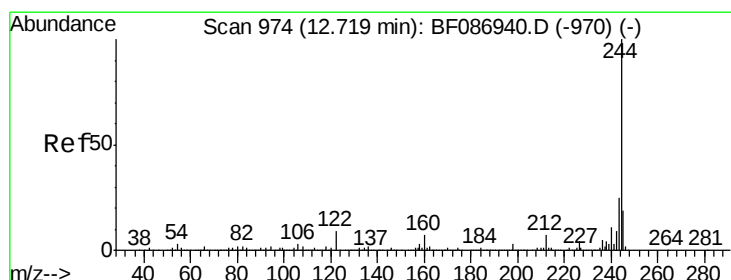
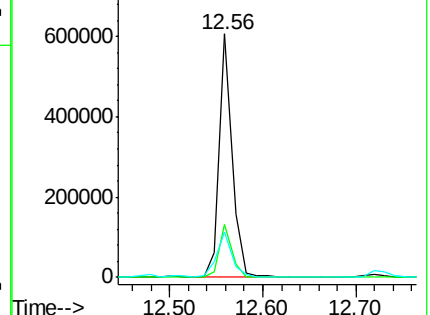
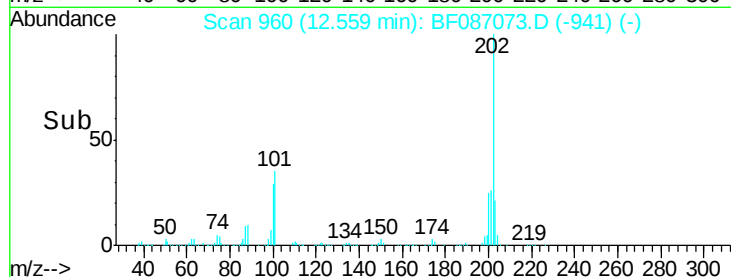
203 18.5 14.2 21.4



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: 55.42 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

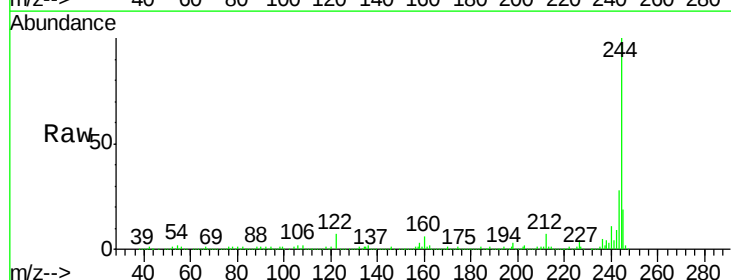
Tgt Ion:244 Resp: 1049086

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

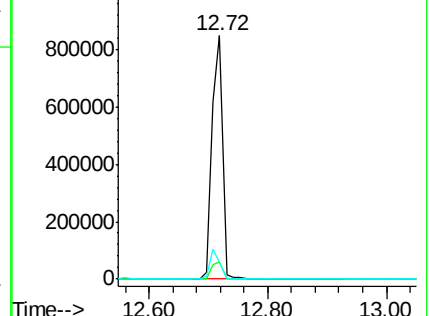
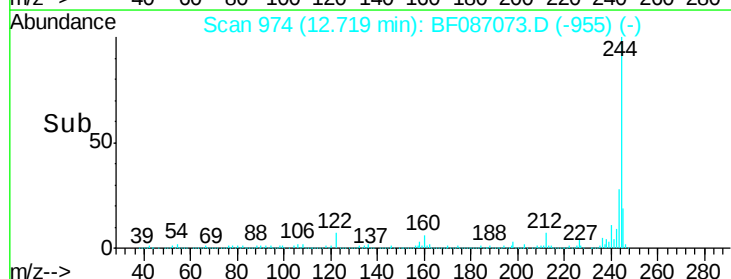
122 7.3 12.0 18.0#

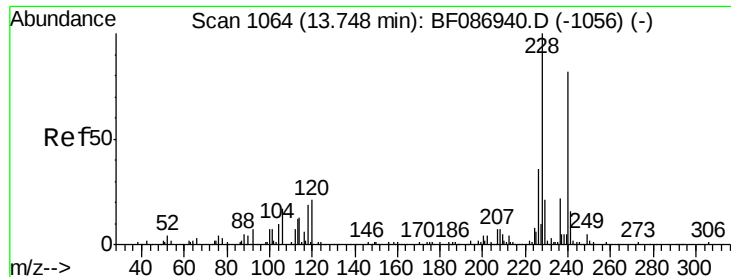


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 15.98 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

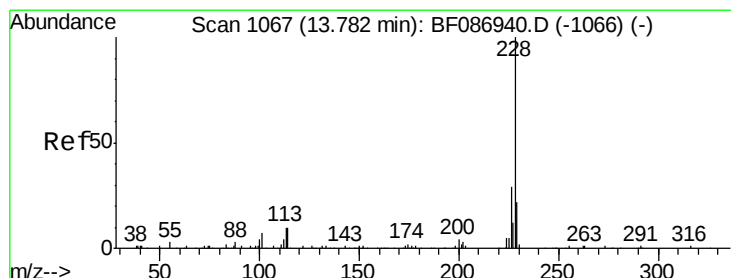
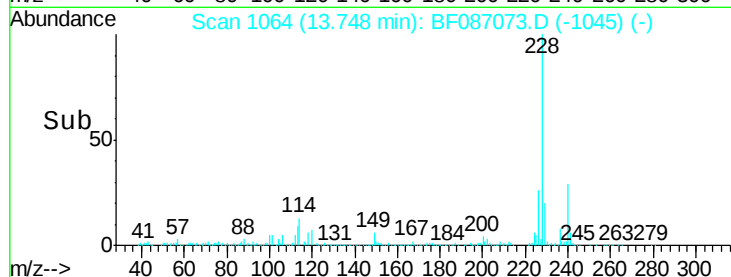
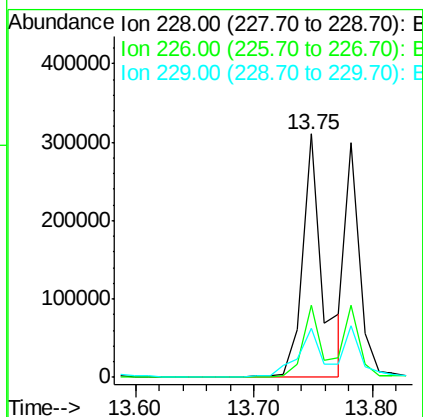
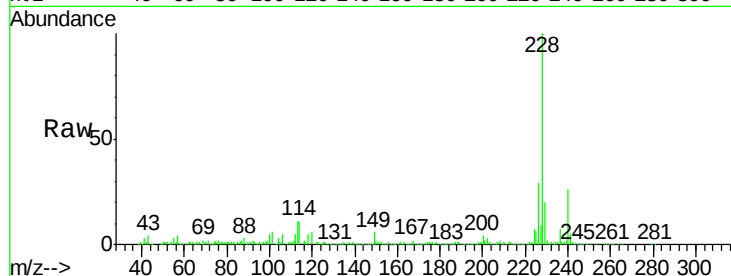
Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

Tgt Ion:	228	Resp:	360245
Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.5	33.7
229	20.3	16.6	25.0



#82

Chrysene

Concen: 11.04 ng

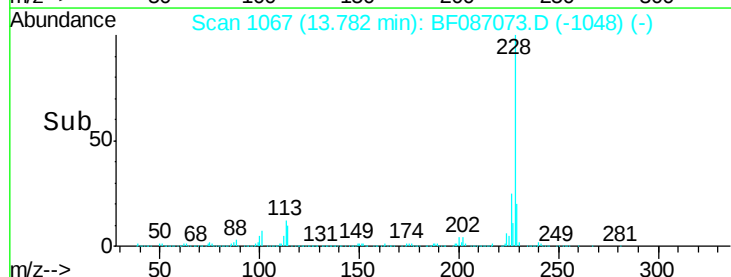
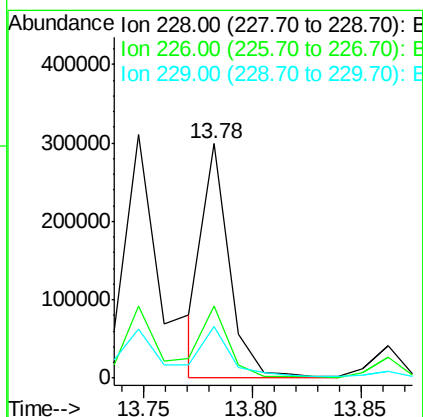
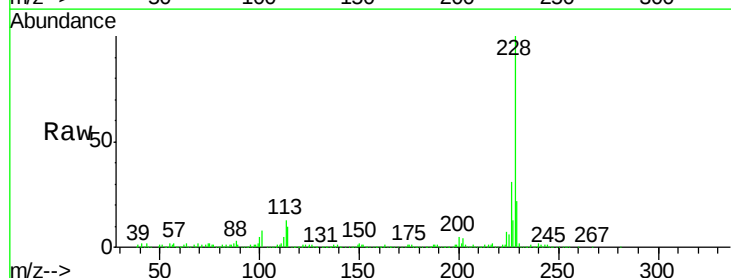
RT: 13.78 min Scan# 1067

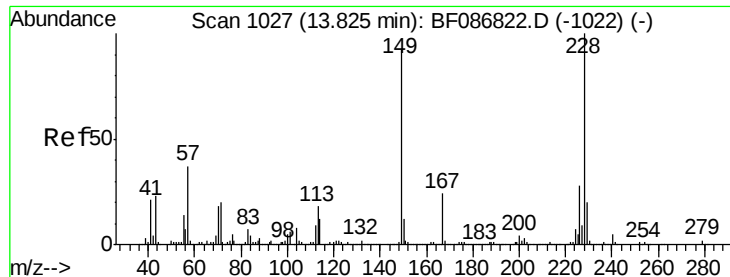
Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Tgt Ion:	228	Resp:	253114
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.4	36.6
229	22.0	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.13 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.08 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

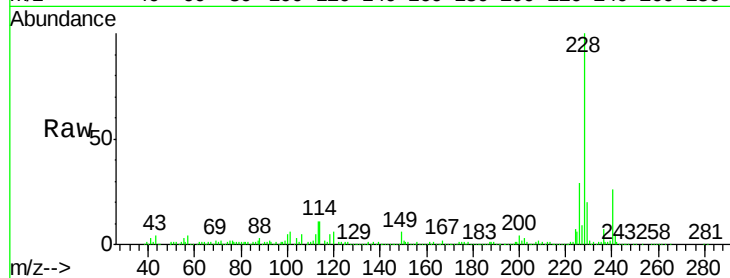
Tgt Ion:149 Resp: 33340

Ion Ratio Lower Upper

149 100

167 24.7 21.8 32.6

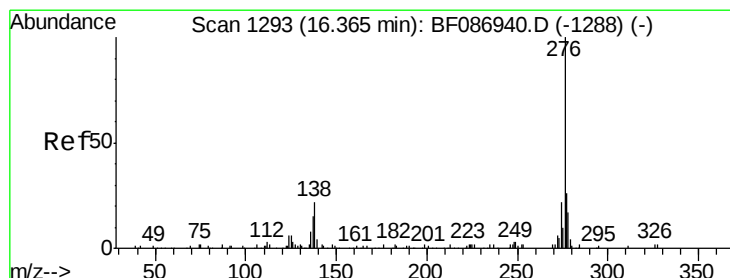
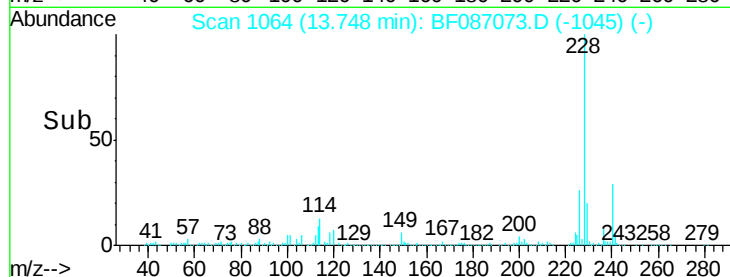
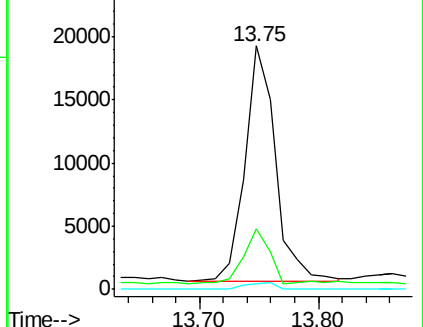
279 2.3 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.44 ng

RT: 16.37 min Scan# 1293

Delta R.T. -0.13 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

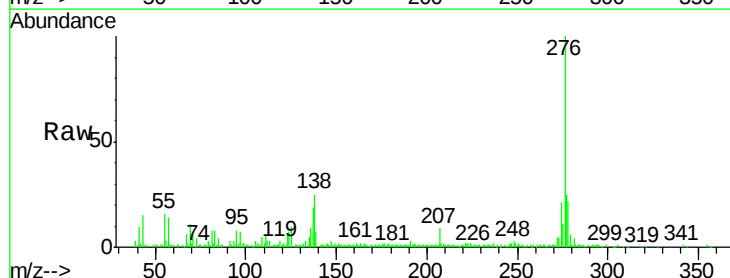
Tgt Ion:276 Resp: 142035

Ion Ratio Lower Upper

276 100

138 24.7 25.6 38.4#

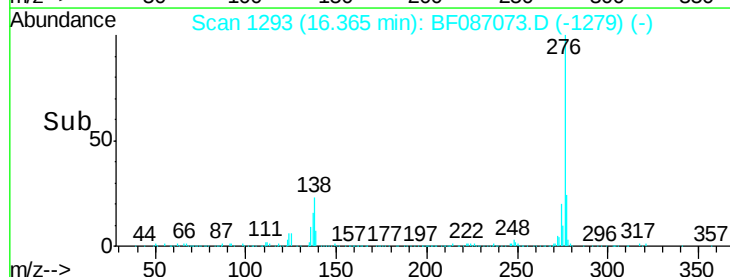
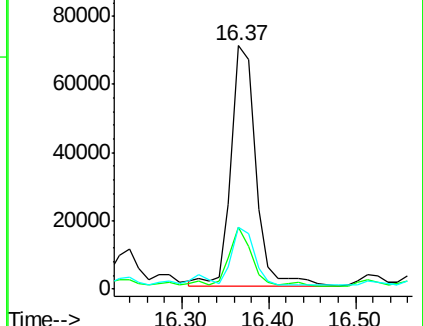
277 23.0 20.5 30.7

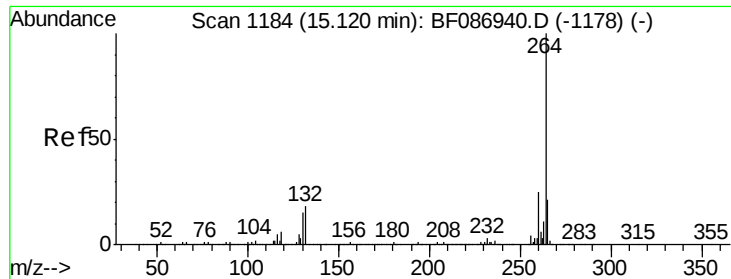


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

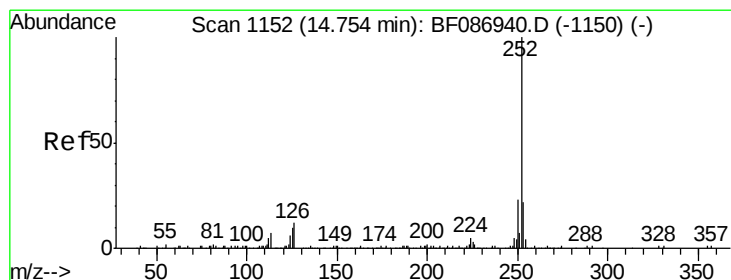
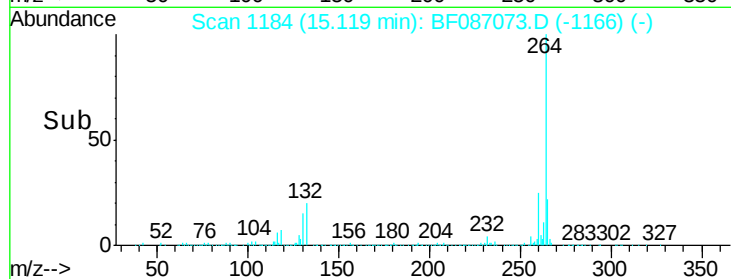
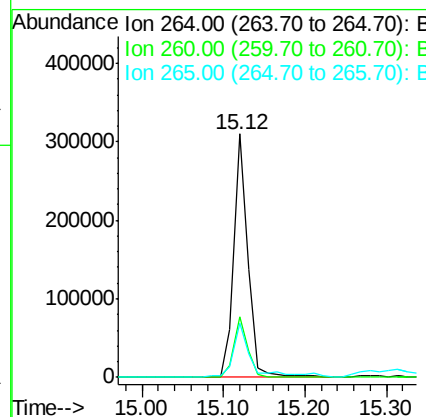
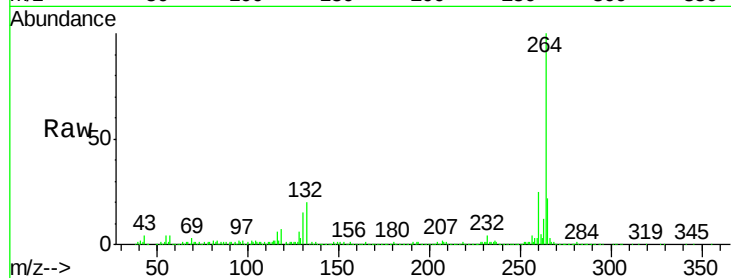




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

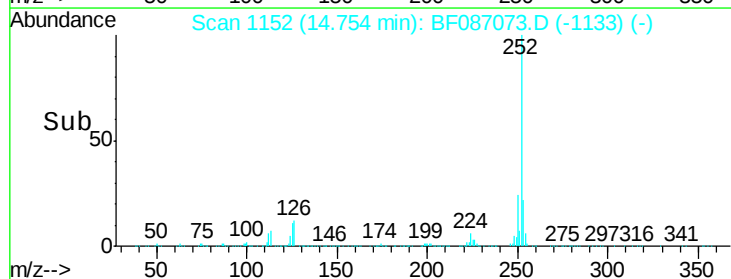
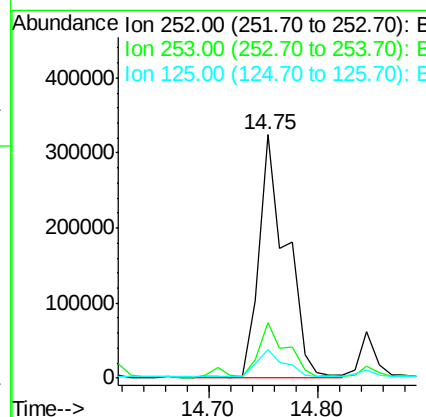
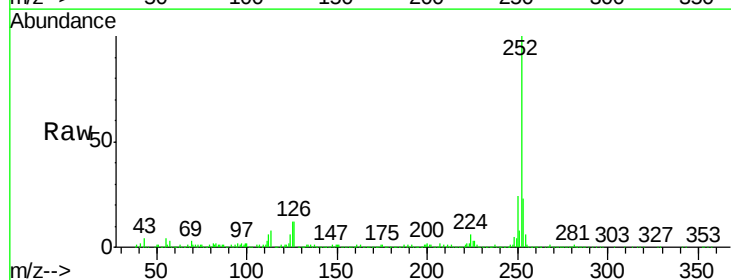
Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0

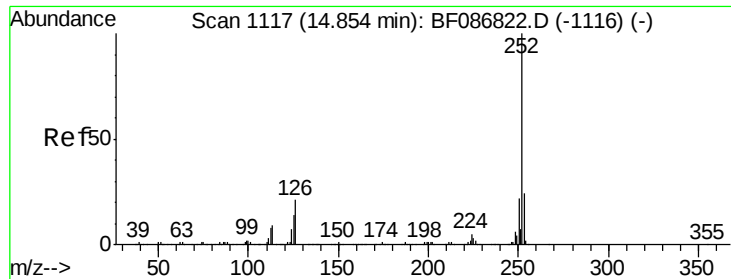
Tgt Ion: 264 Resp: 367112
Ion Ratio Lower Upper
264 100
260 25.1 19.5 29.3
265 22.1 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 23.69 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

Tgt Ion: 252 Resp: 565234
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 11.6 11.4 17.0

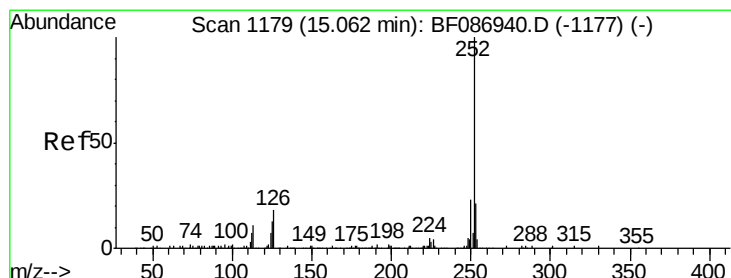
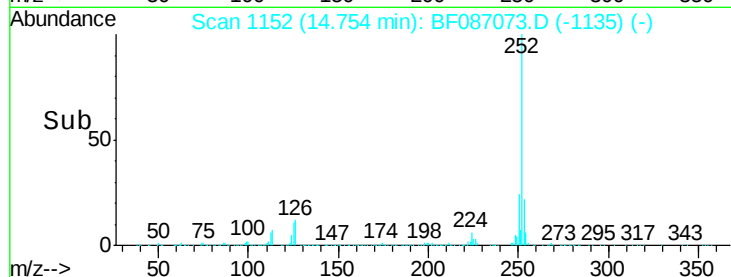
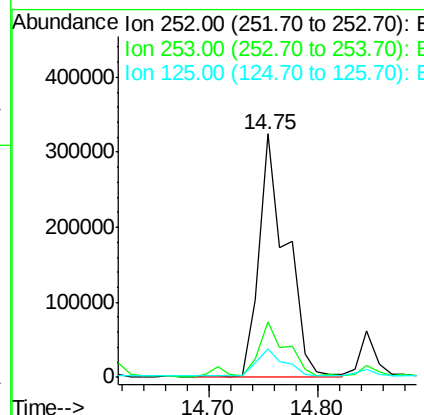
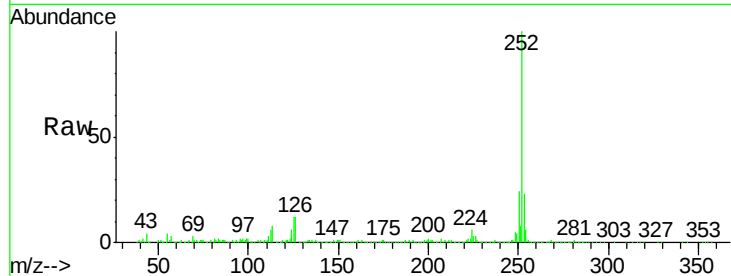




#88
Benzo(k)fluoranthene
Concen: 28.93 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.10 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

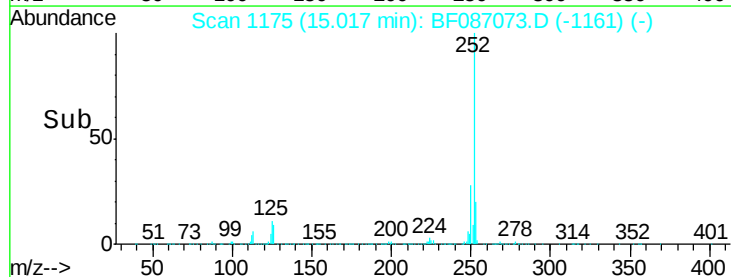
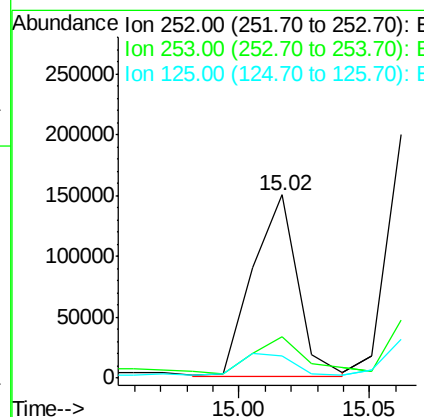
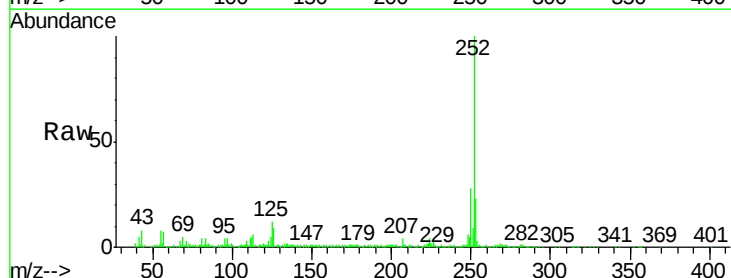
Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0

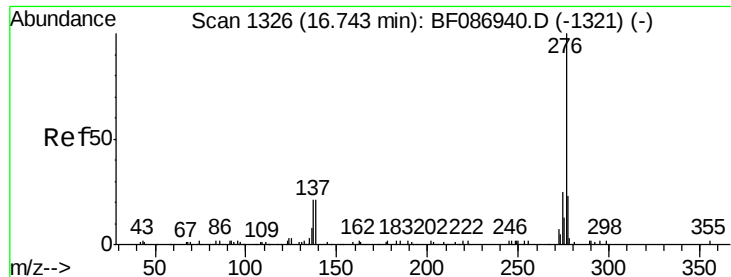
Tgt Ion:252 Resp: 565234
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 11.6 9.1 13.7



#89
Benzo(a)pyrene
Concen: 8.74 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.13 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

Tgt Ion:252 Resp: 179817
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 12.2 9.0 13.6





#91
 Benzo(g,h,i)perylene
 Concen: 6.58 ng
 RT: 16.74 min Scan# 1326
 Delta R.T. -0.15 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	24.7	23.6	35.4

