

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062916\
 Data File : BF088513.D
 Acq On : 30 Jun 2016 1:53
 Operator : UM/SJ
 Sample : H3629-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

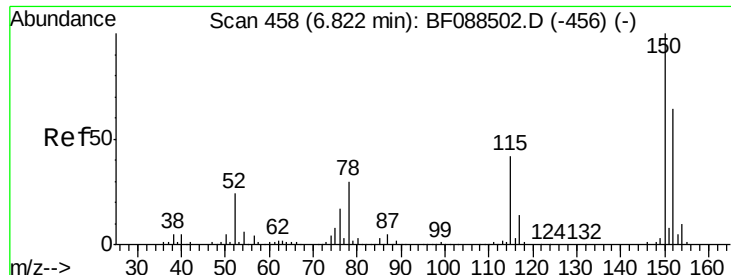
Quant Time: Jun 30 03:10:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 02:07:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	171460	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	634027	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	272819	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	451457	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	329010	20.00	ng	-0.01
86) Perylene-d12	15.36	264	361749	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1339601	120.99	ng	0.01
7) Phenol-d6	6.46	99	1594582	112.62	ng	0.00
23) Nitrobenzene-d5	7.38	82	961529	79.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	260950	124.75	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1538560	92.75	ng	0.00
78) Terphenyl-d14	12.91	244	815648	46.75	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	131072	13.60	ng	# 81
25) Isophorone	7.38	82	743103	30.47	ng	# 64
45) 1,1'-Biphenyl	9.28	154	1372	Below Cal		83
49) Dimethylphthalate	9.58	163	259507	11.73	ng	98
56) 2,4-Dinitrotoluene	9.85	165	35792	6.98	ng	# 31
57) Fluorene	10.40	166	6202	Below Cal		97
64) 4,6-Dinitro-2-methylphenol	10.64	198	838	3.95	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	19000	3.89	ng	# 1
69) Pentachlorophenol	11.13	266	595	3.34	ng	# 87
70) Phenanthrene	11.35	178	104041	2.81	ng	98
71) Anthracene	11.40	178	23272	Below Cal		98
74) Fluoranthene	12.54	202	133174	6.24	ng	90
77) Pyrene	12.77	202	123115	4.34	ng	96
80) Benzo(a)anthracene	13.94	228	60562	2.73	ng	99
82) Chrysene	13.98	228	44254	2.15	ng	96
83) Bis(2-ethylhexyl)phthalate	13.95	149	33041	2.01	ng	# 97
87) Benzo(b)fluoranthene	14.96	252	78518	3.75	ng	# 93
88) Benzo(k)fluoranthene	14.96	252	78518	4.19	ng	98
89) Benzo(a)pyrene	15.29	252	47419	2.36	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. 0.00 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

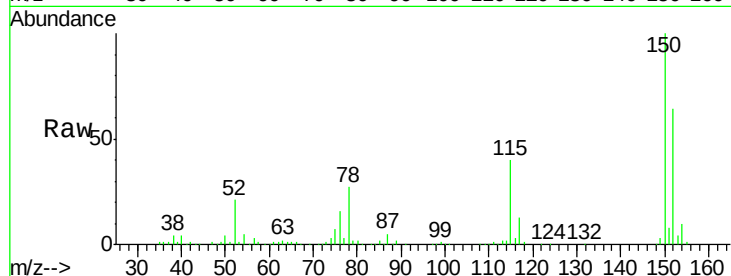
Tgt Ion:152 Resp: 171460

Ion Ratio Lower Upper

152 100

150 155.9 124.5 186.7

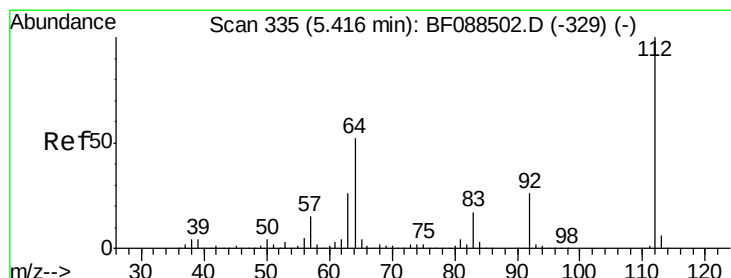
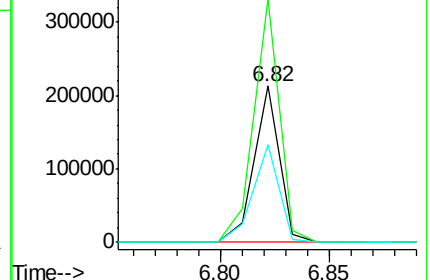
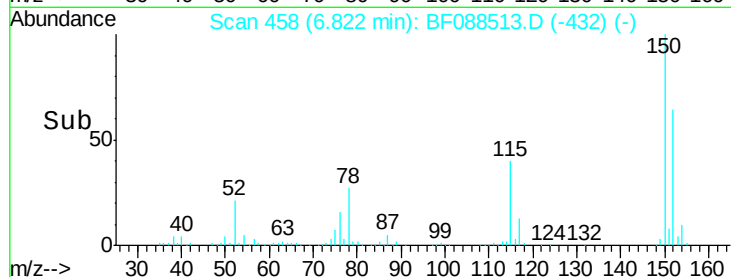
115 62.8 52.3 78.5



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: 120.99 ng

RT: 5.43 min Scan# 336

Delta R.T. 0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

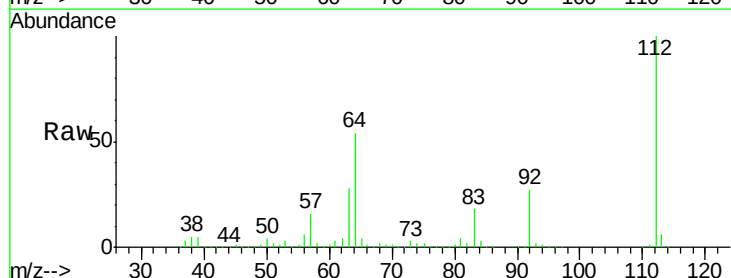
Tgt Ion:112 Resp: 1339601

Ion Ratio Lower Upper

112 100

64 53.7 41.5 62.3

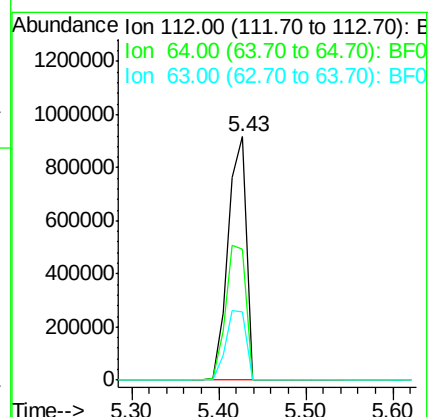
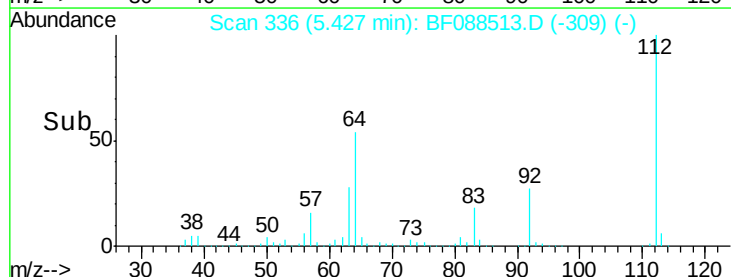
63 28.0 20.6 31.0

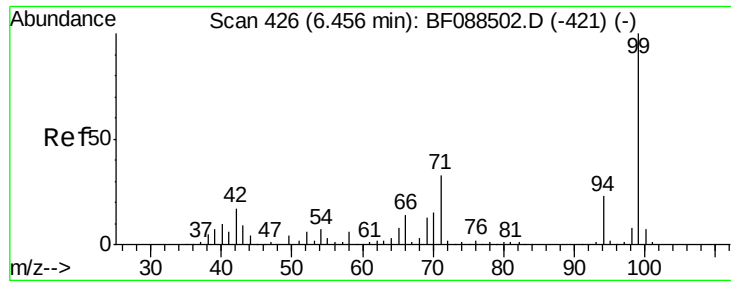


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.62 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

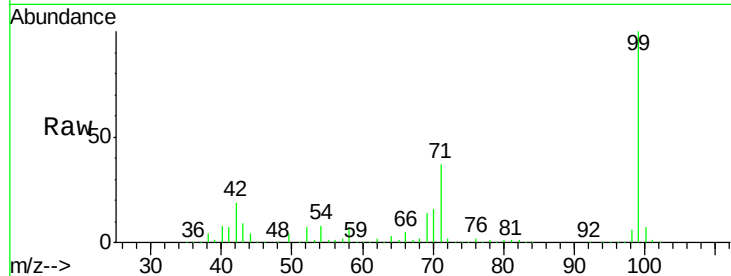
Tgt Ion: 99 Resp: 1594582

Ion Ratio Lower Upper

99 100

42 19.3 13.4 20.0

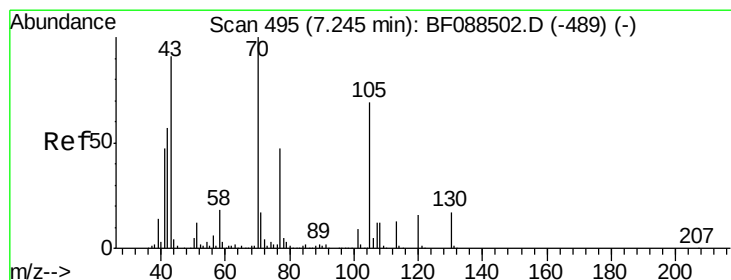
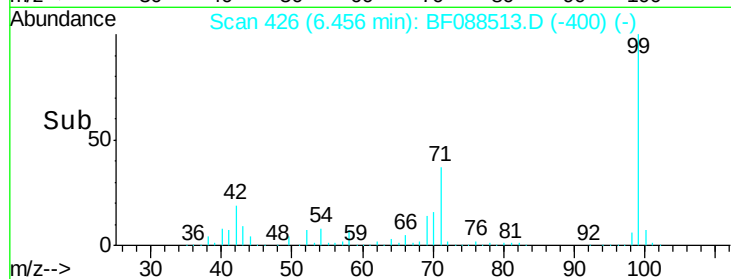
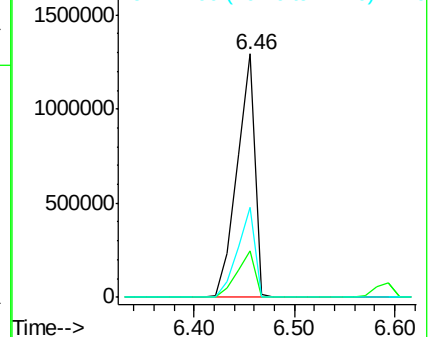
71 37.0 26.1 39.1



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: 13.60 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.14 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Tgt Ion: 70 Resp: 131072

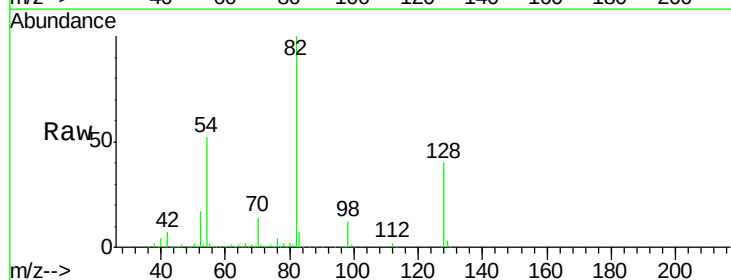
Ion Ratio Lower Upper

70 100

42 47.7 45.9 68.9

101 0.0 6.8 10.2#

130 1.9 13.9 20.9#

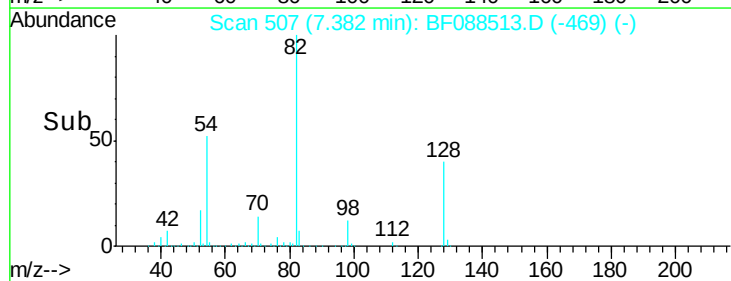
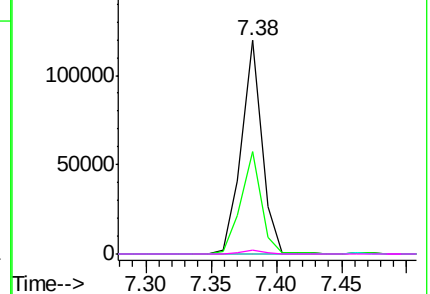


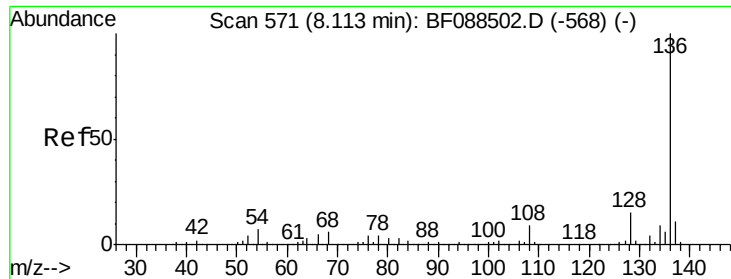
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

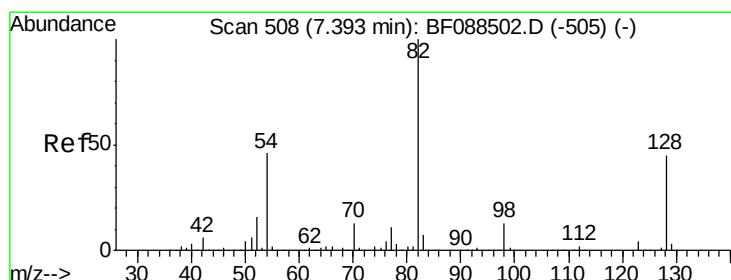
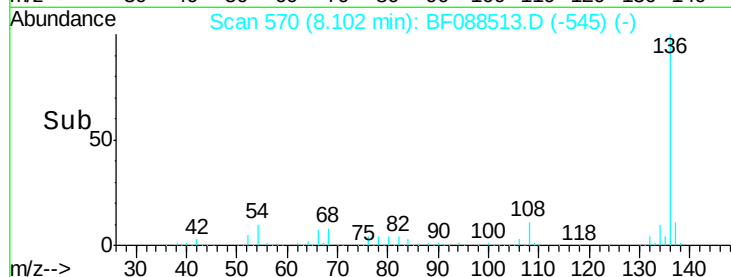
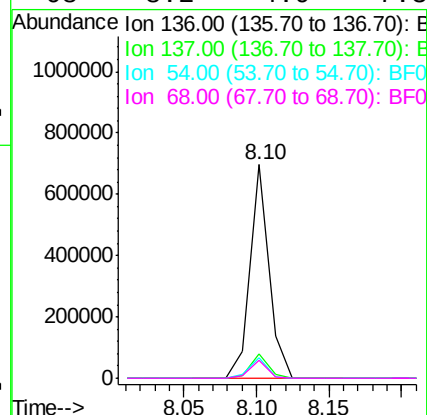
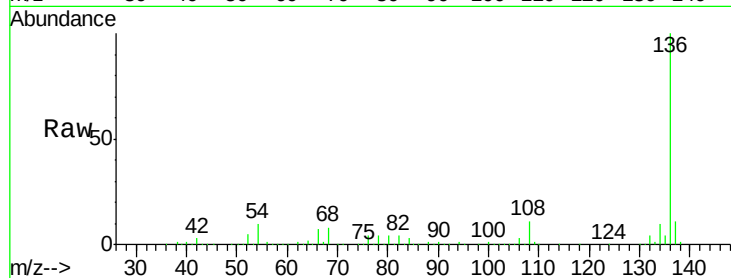




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

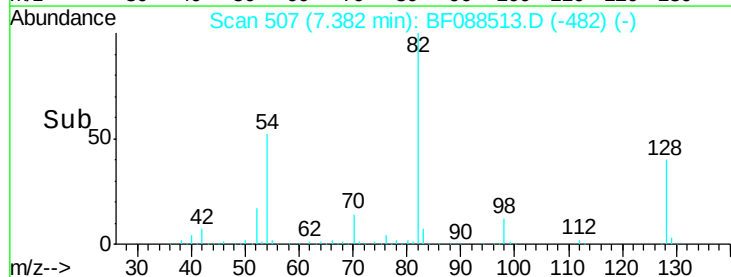
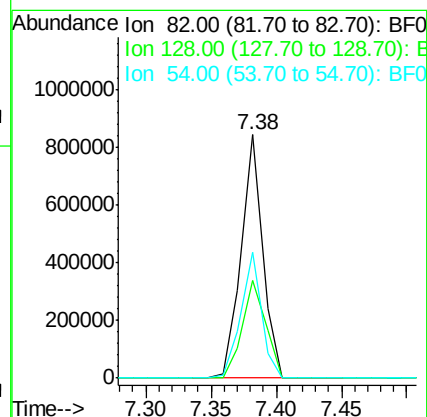
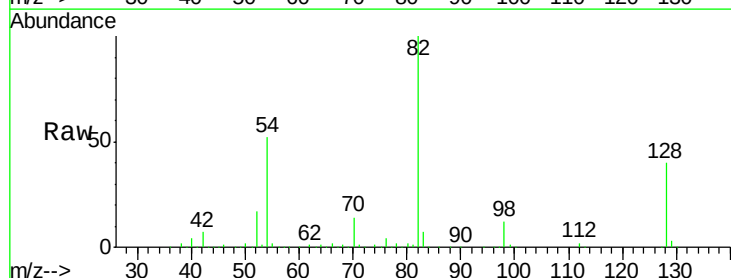
Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

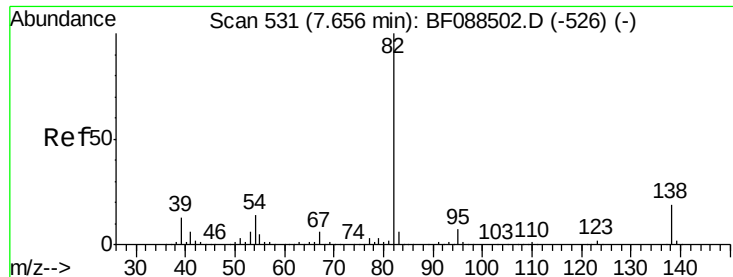
Tgt Ion:	136	Resp:	634027
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	9.9	5.4	8.2#
68	8.2	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 79.65 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Tgt Ion:	82	Resp:	961529
Ion Ratio	Lower	Upper	
82	100		
128	40.1	35.8	53.8
54	51.9	37.1	55.7

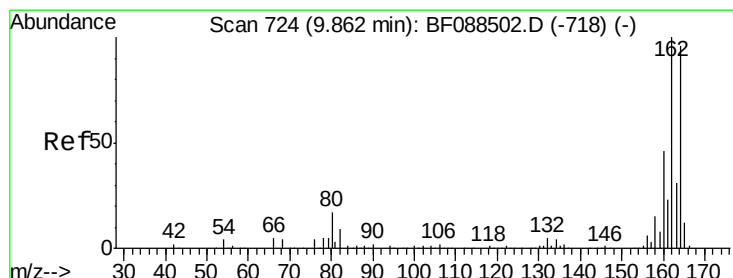
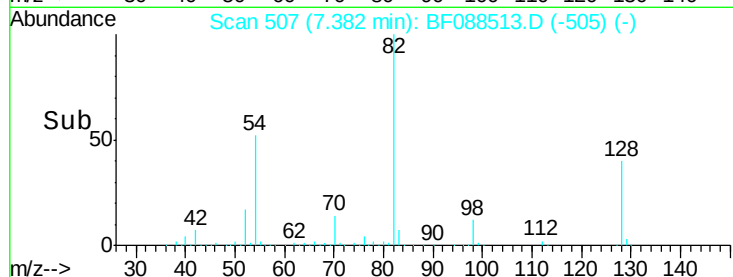
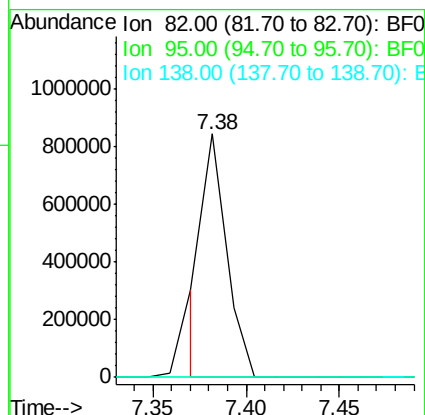
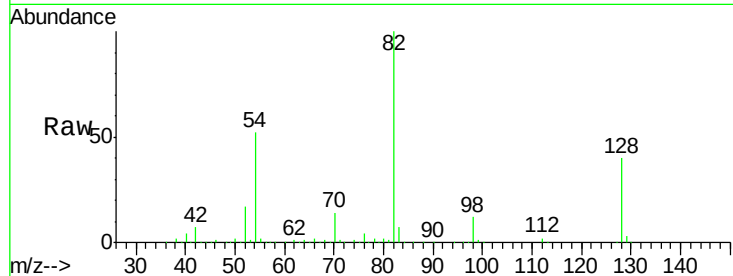




#25
Isophorone
Concen: 30.47 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.27 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

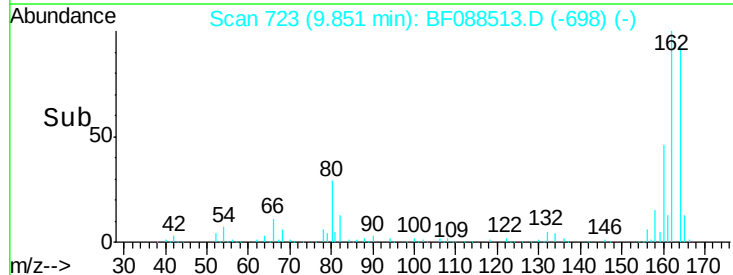
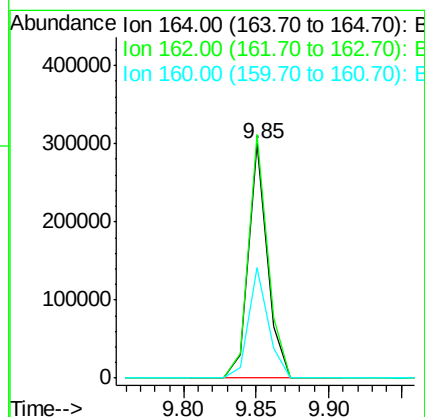
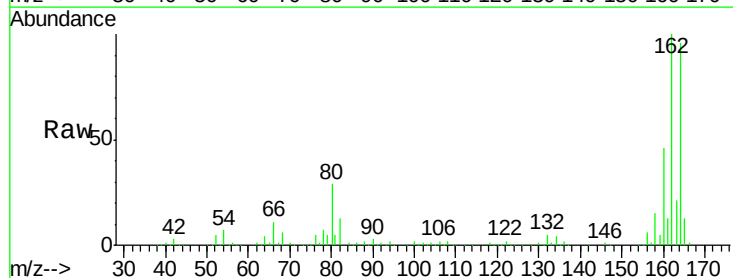
Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

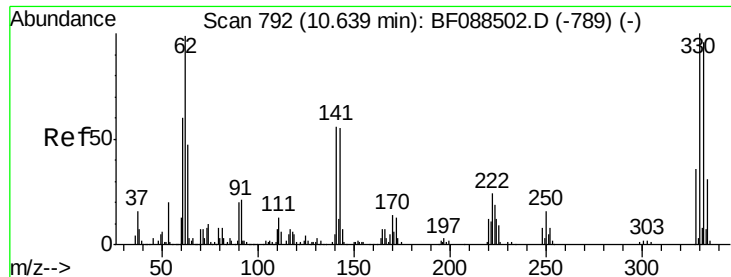
Tgt Ion: 82 Resp: 743103
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Tgt Ion:164 Resp: 272819
Ion Ratio Lower Upper
164 100
162 103.9 83.7 125.5
160 47.4 38.9 58.3

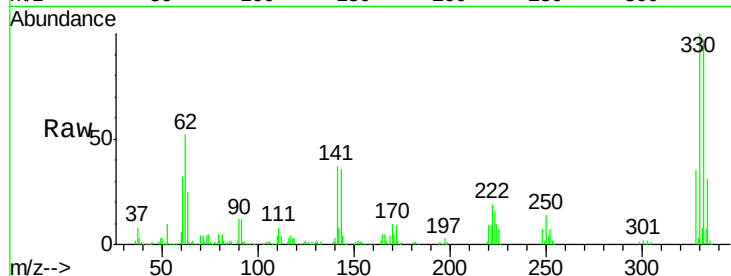




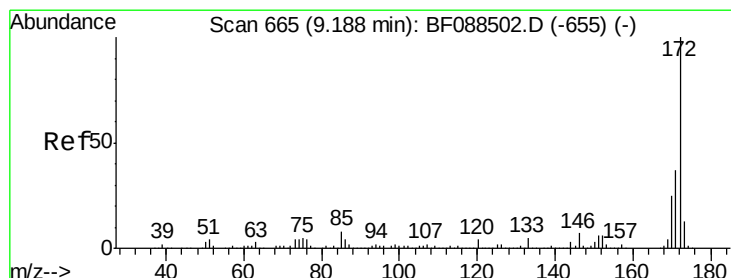
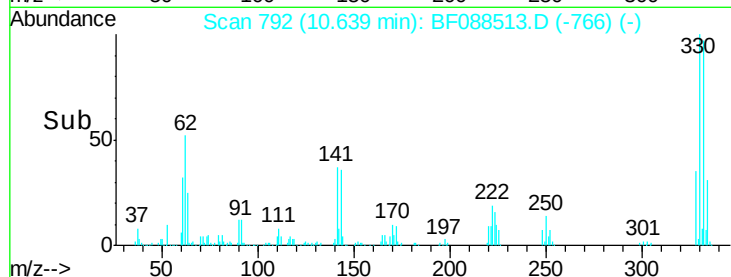
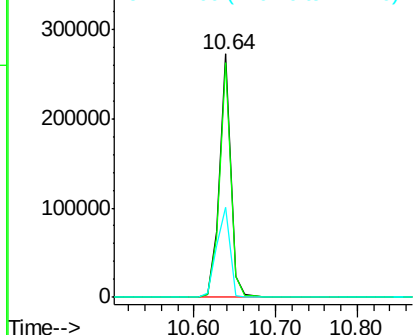
#41
 2,4,6-Tribromophenol
 Concen: 124.75 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	44.5	0.0	0.0#

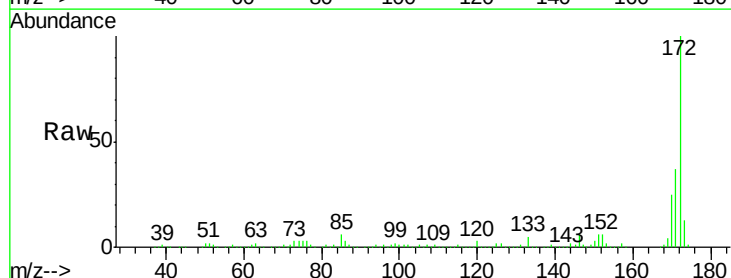


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

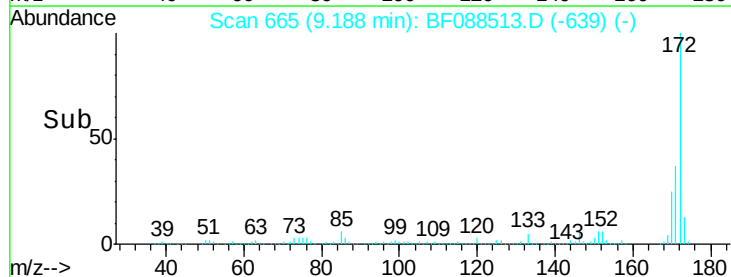
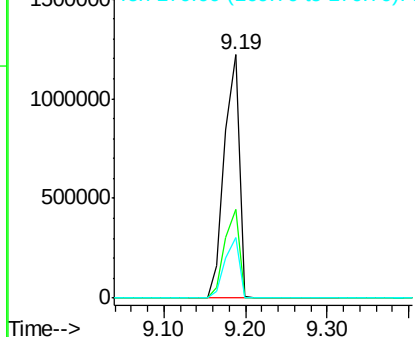


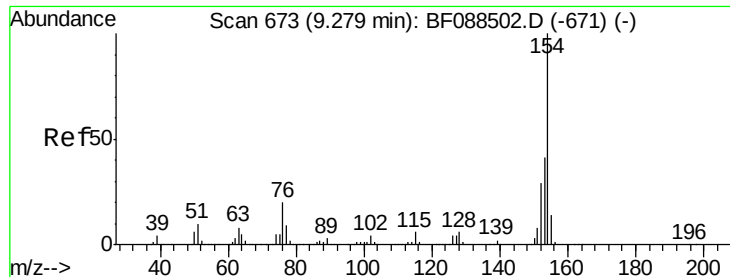
#44
 2-Fluorobiphenyl
 Concen: 92.75 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.3	43.9
170	24.8	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

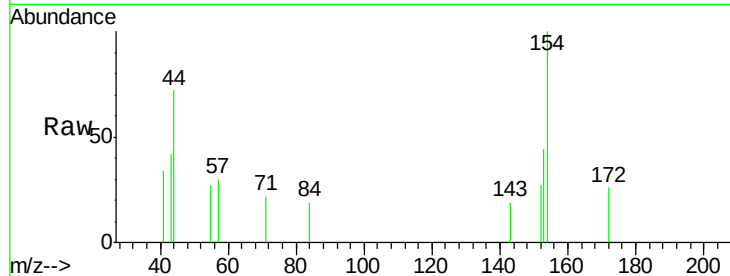




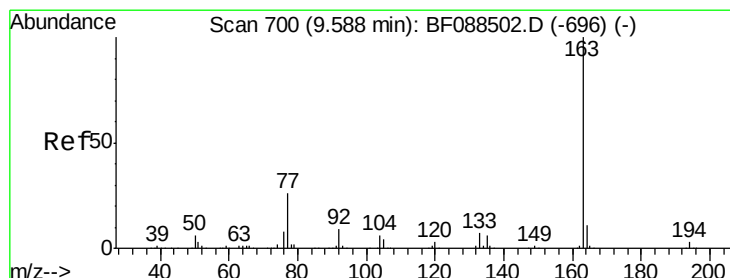
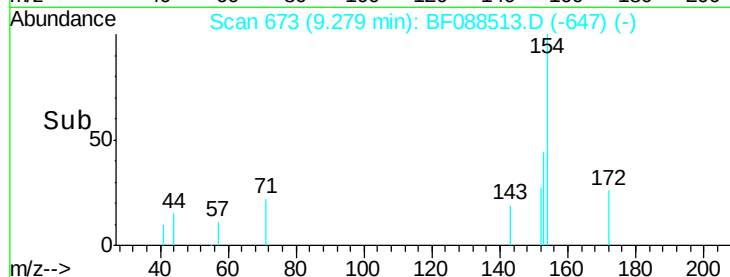
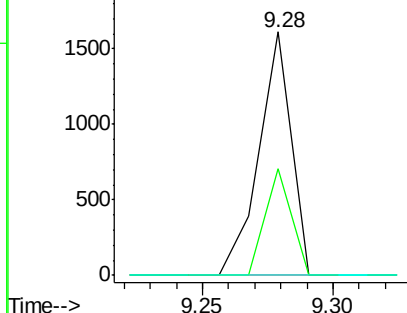
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.28 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

Tgt Ion:154 Resp: 1372
 Ion Ratio Lower Upper
 154 100
 153 43.8 20.8 60.8
 76 0.0 0.0 39.9

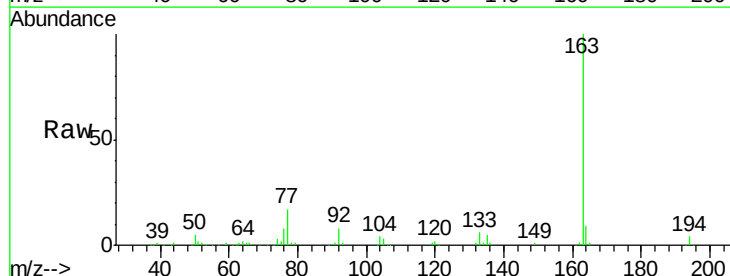


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

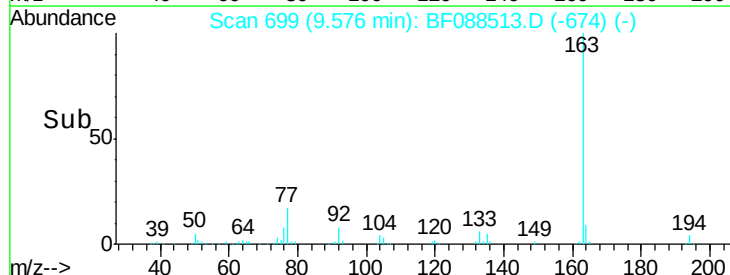
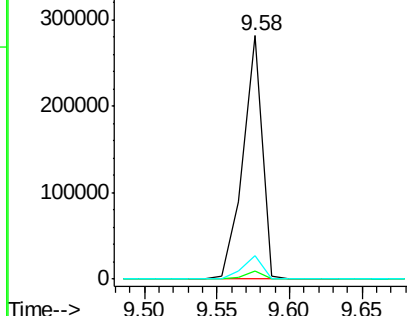


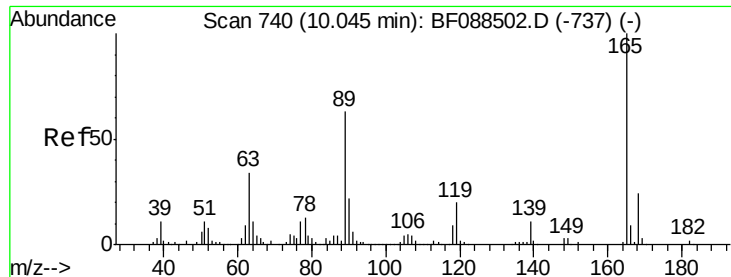
#49
 Dimethylphthalate
 Concen: 11.73 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

Tgt Ion:163 Resp: 259507
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.6 4.0
 164 9.5 8.5 12.7



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

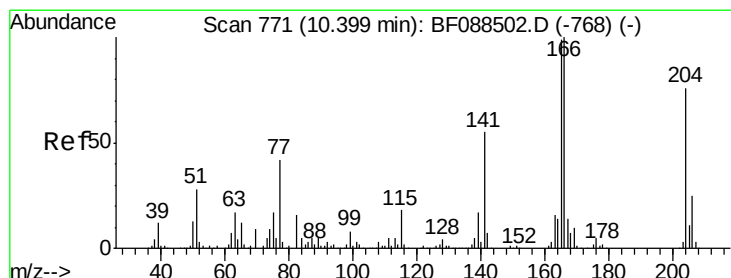
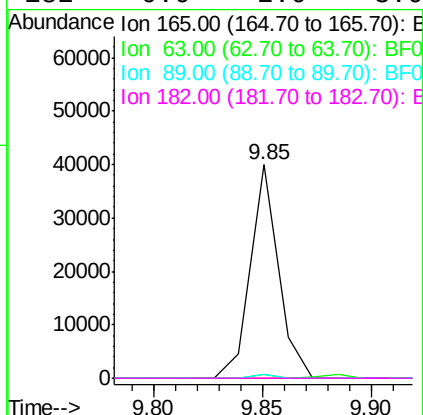
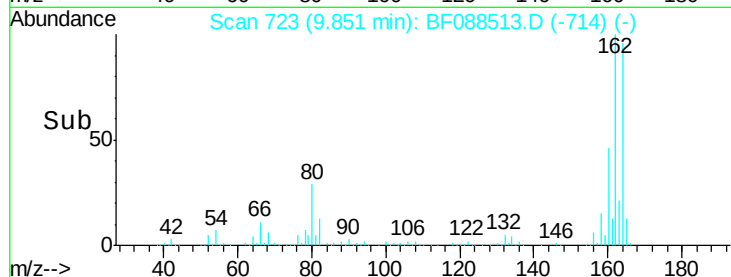
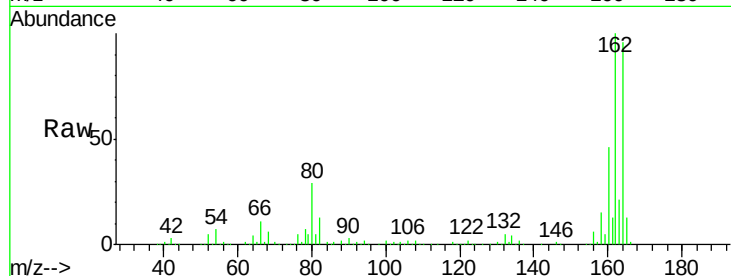




#56
2,4-Dinitrotoluene
Concen: 6.98 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.19 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

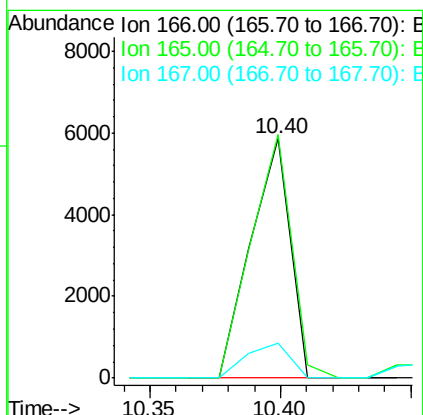
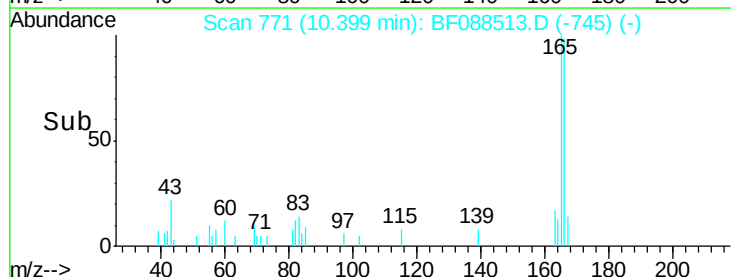
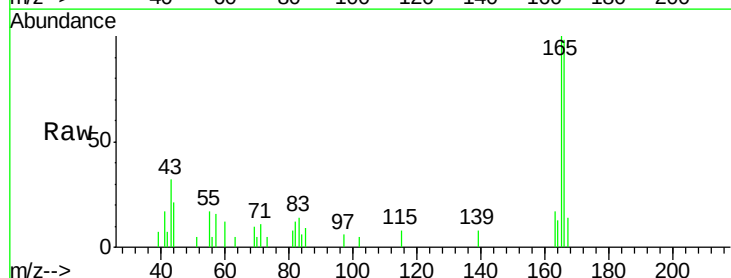
Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

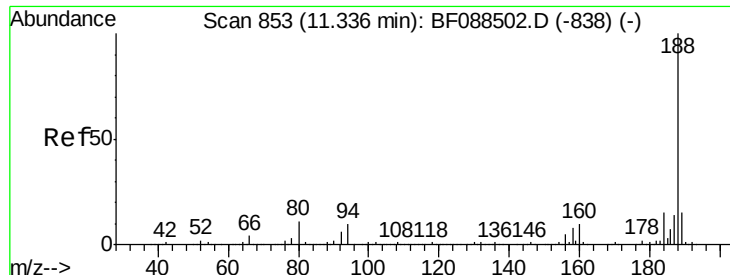
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	27.3	40.9#
89	1.8	50.4	75.6#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.40 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.0	118.6
167	14.6	11.3	16.9

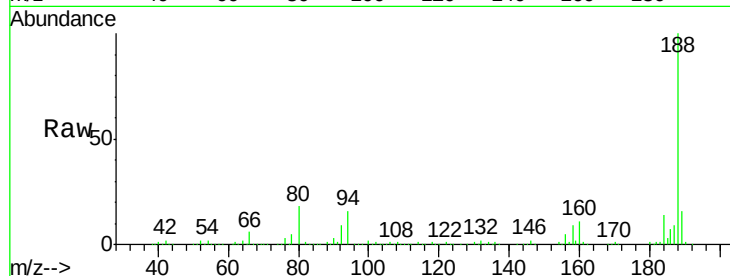




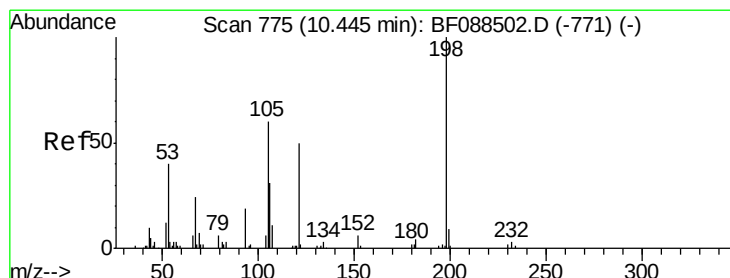
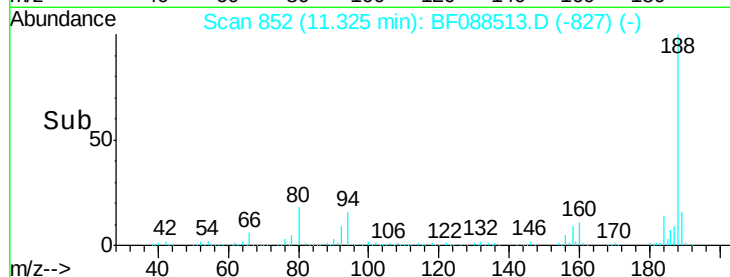
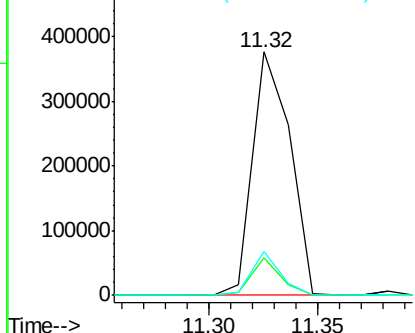
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

Tgt Ion:188 Resp: 451457
 Ion Ratio Lower Upper
 188 100
 94 15.5 7.8 11.8#
 80 17.8 8.7 13.1#

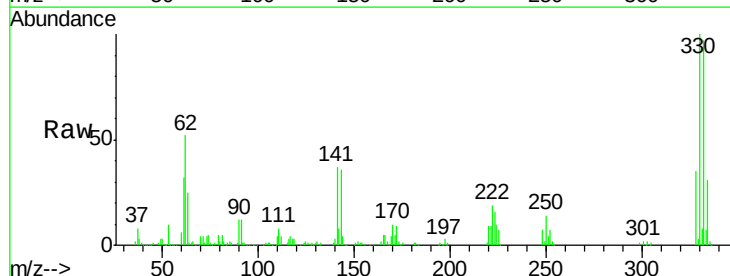


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

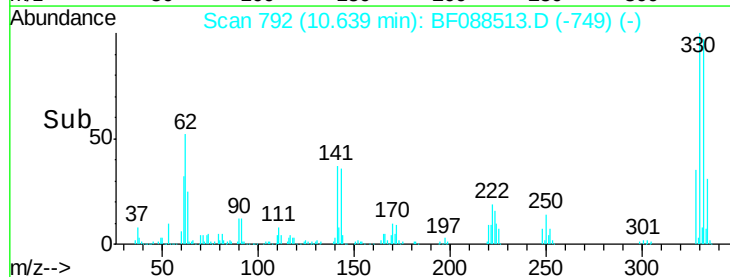
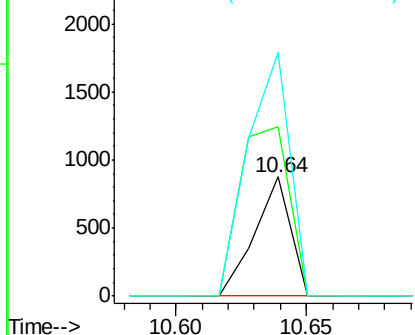


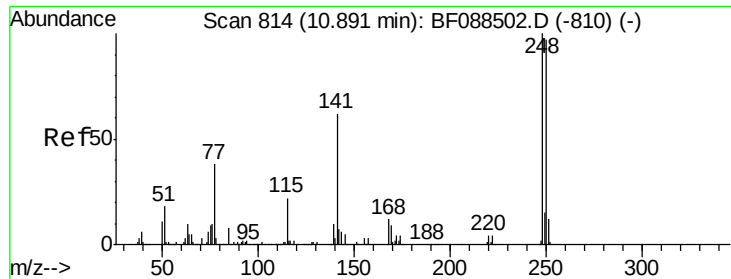
#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.95 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.20 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

Tgt Ion:198 Resp: 838
 Ion Ratio Lower Upper
 198 100
 51 142.5 42.4 82.4#
 105 204.8 41.2 81.2#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

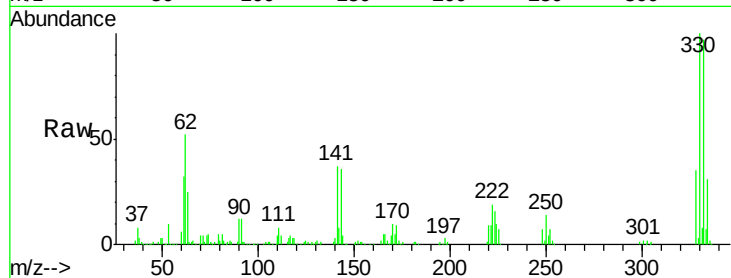




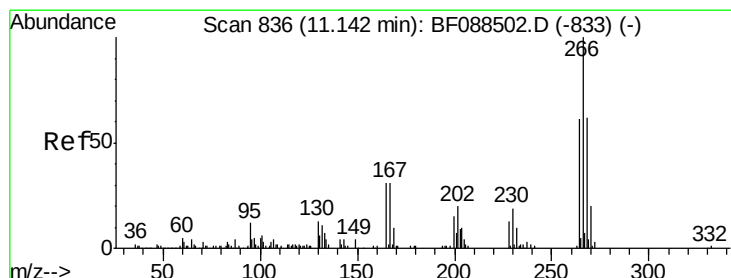
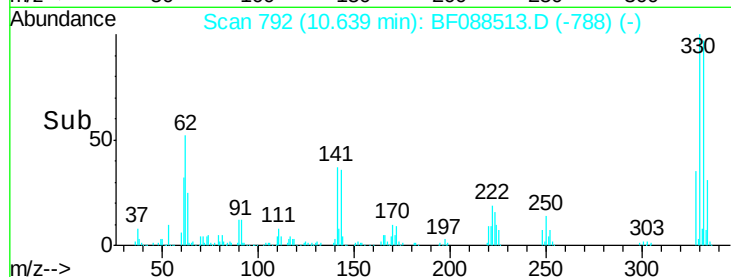
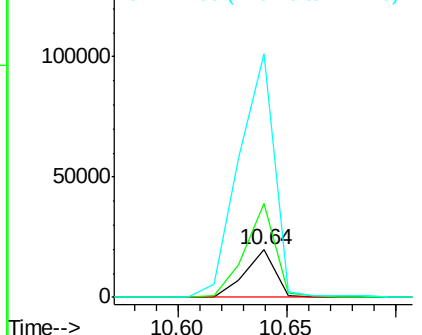
#66
4-Bromophenyl-phenylether
Concen: 3.89 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.25 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

Tgt Ion:248 Resp: 19000
Ion Ratio Lower Upper
248 100
250 198.7 77.7 116.5#
141 512.8 49.2 73.8#

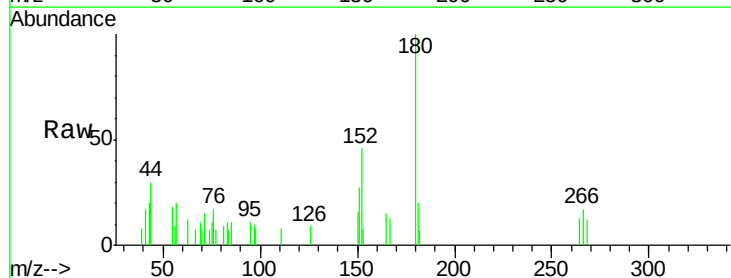


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

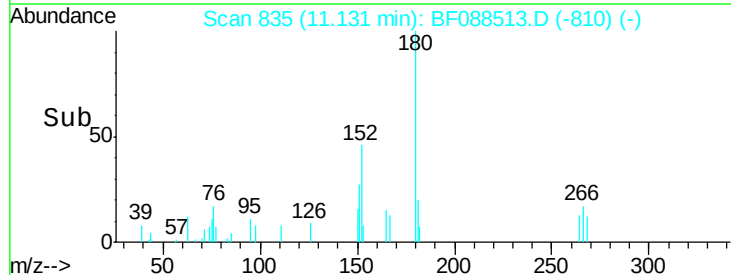
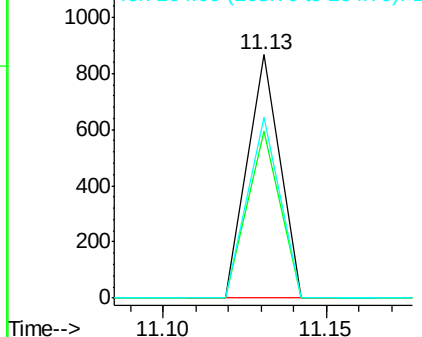


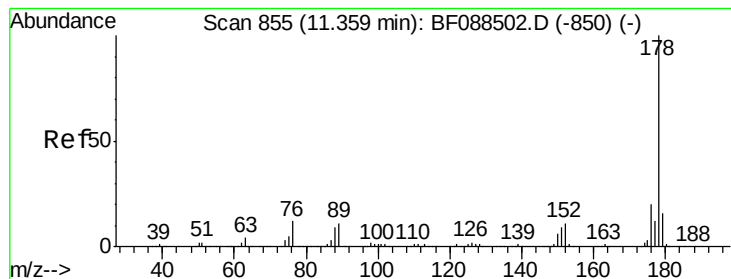
#69
Pentachlorophenol
Concen: 3.34 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Tgt Ion:266 Resp: 595
Ion Ratio Lower Upper
266 100
268 68.5 49.4 74.2
264 74.2 49.0 73.4#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 2.81 ng

RT: 11.35 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

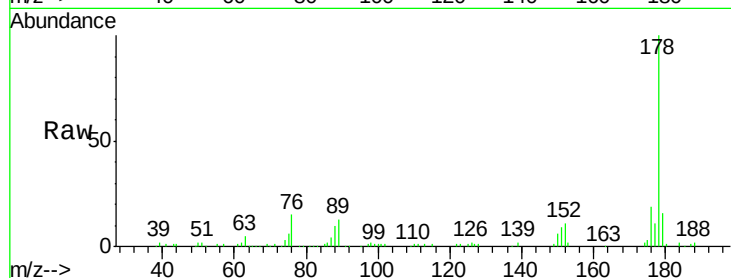
Tgt Ion:178 Resp: 104041

Ion Ratio Lower Upper

178 100

176 18.9 16.1 24.1

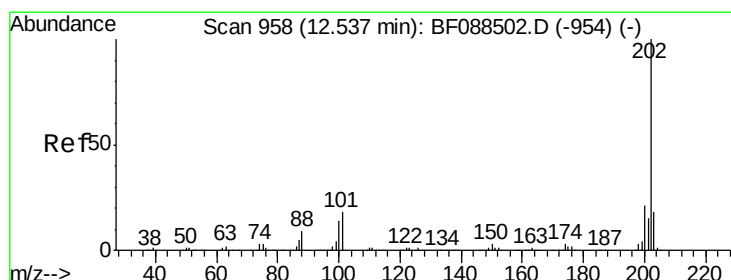
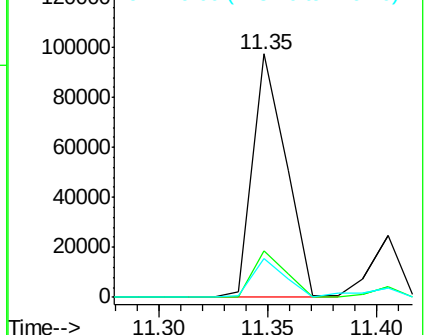
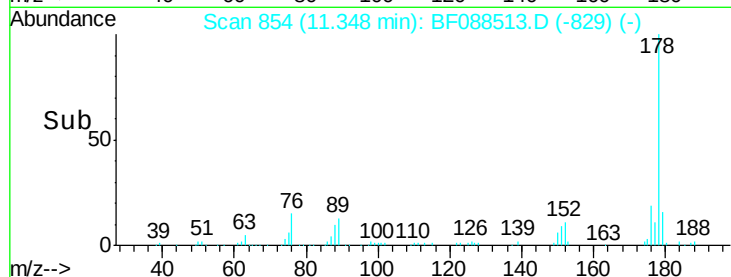
179 15.7 12.8 19.2



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: 6.24 ng

RT: 12.54 min Scan# 958

Delta R.T. 0.00 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

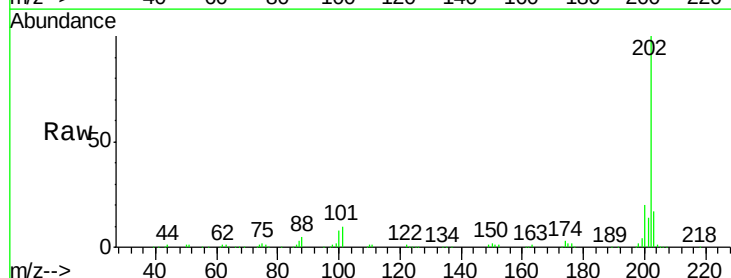
Tgt Ion:202 Resp: 133174

Ion Ratio Lower Upper

202 100

101 10.5 0.0 38.1

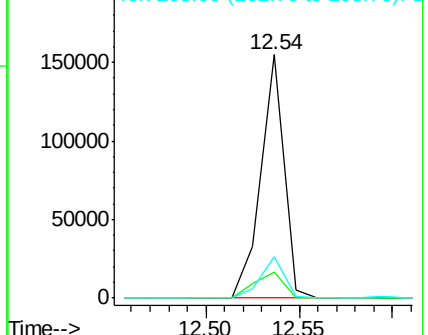
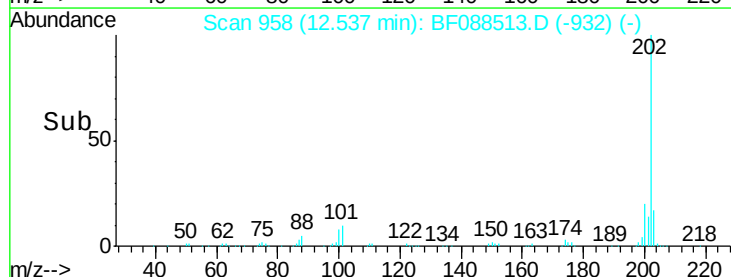
203 16.9 0.0 37.9

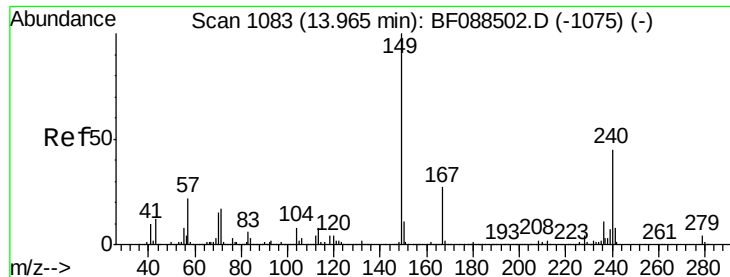


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.95 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

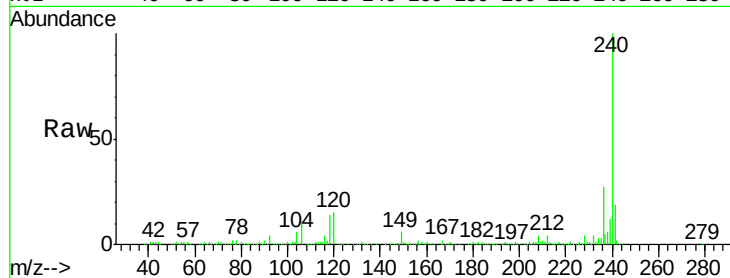
Tgt Ion:240 Resp: 329010

Ion Ratio Lower Upper

240 100

120 15.2 7.1 10.7#

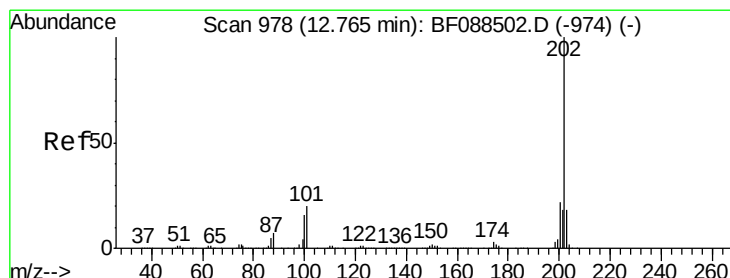
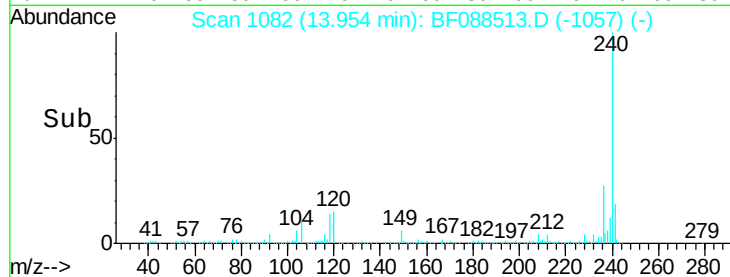
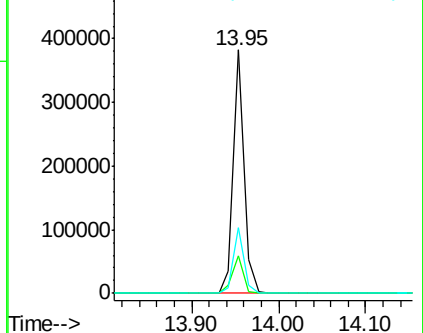
236 27.0 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.34 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

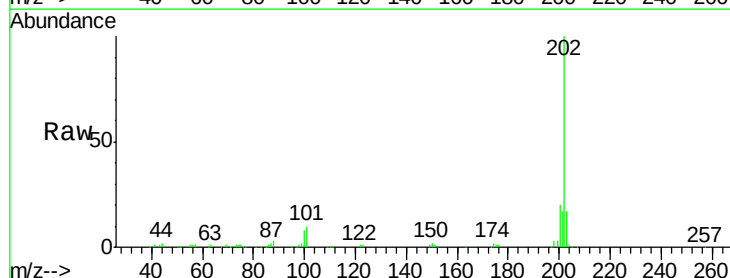
Tgt Ion:202 Resp: 123115

Ion Ratio Lower Upper

202 100

200 20.0 17.5 26.3

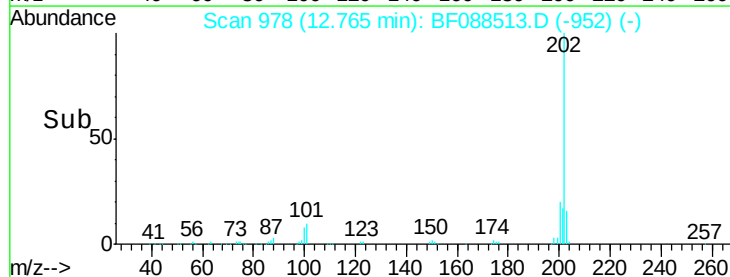
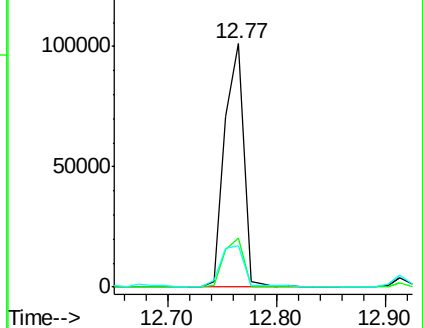
203 16.9 14.7 22.1

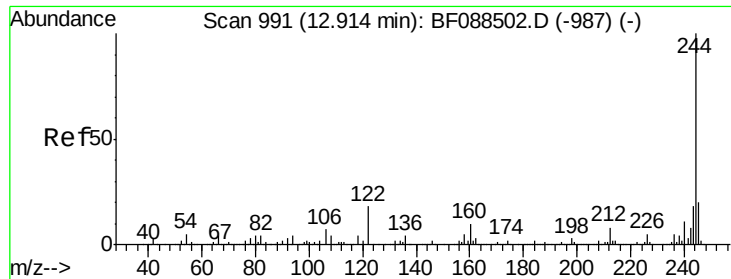


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

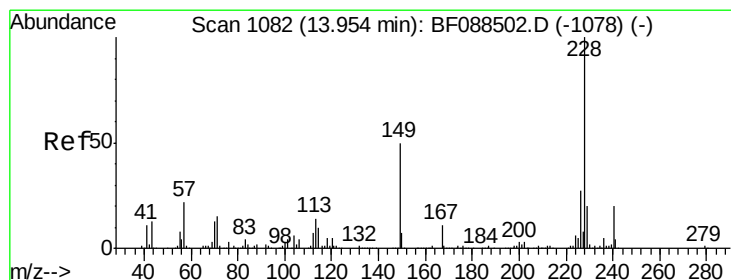
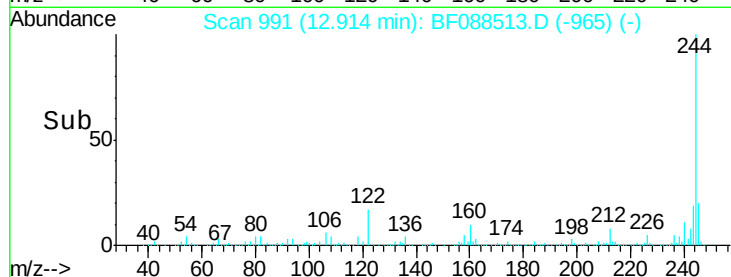
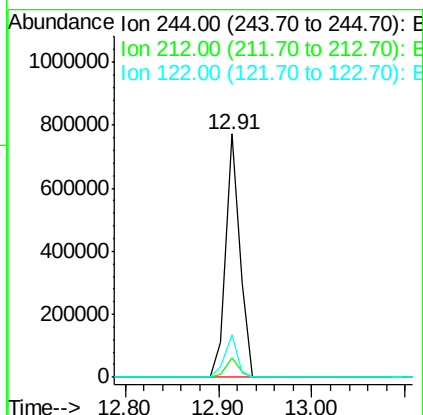
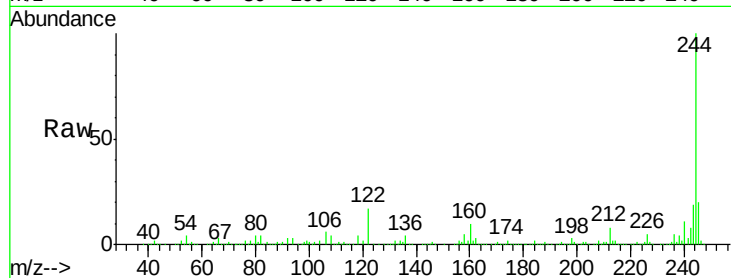




#78
 Terphenyl-d14
 Concen: 46.75 ng
 RT: 12.91 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

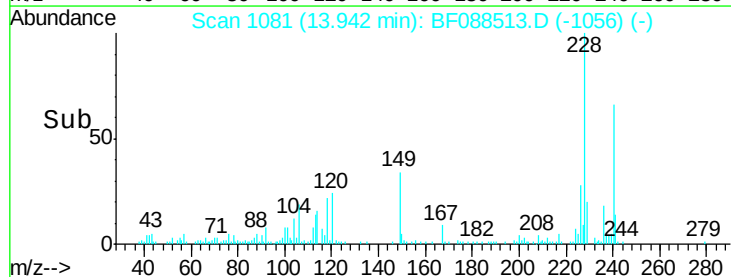
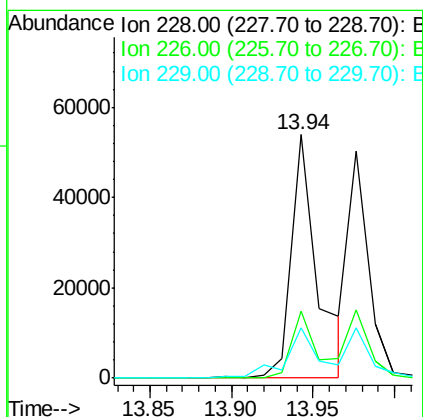
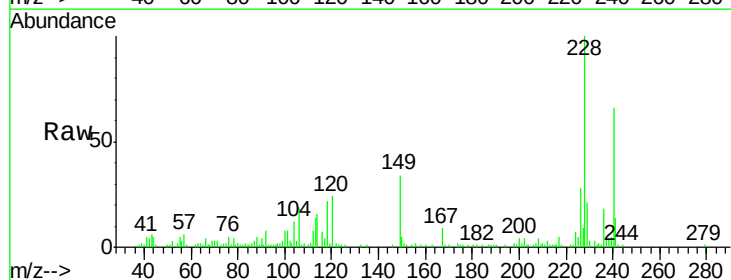
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

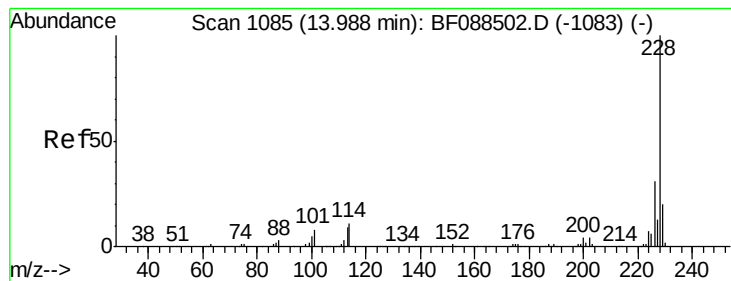
Tgt Ion:244 Resp: 815648
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 17.4 14.8 22.2



#80
 Benzo(a)anthracene
 Concen: 2.73 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

Tgt Ion:228 Resp: 60562
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.0 33.0
 229 20.7 15.8 23.6





#82

Chrysene

Concen: 2.15 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

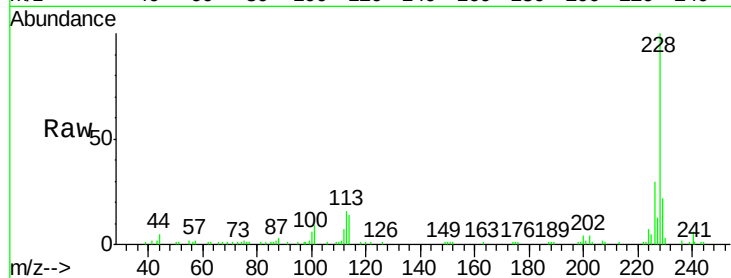
Tgt Ion: 228 Resp: 44254

Ion Ratio Lower Upper

228 100

226 30.0 25.1 37.7

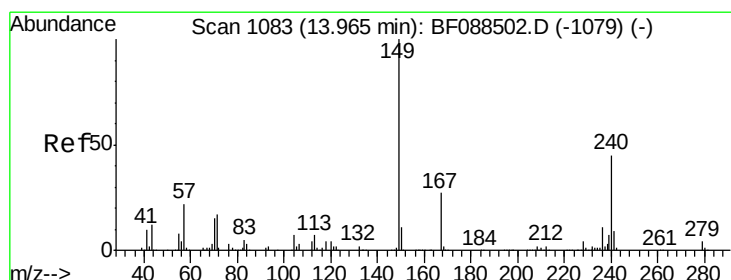
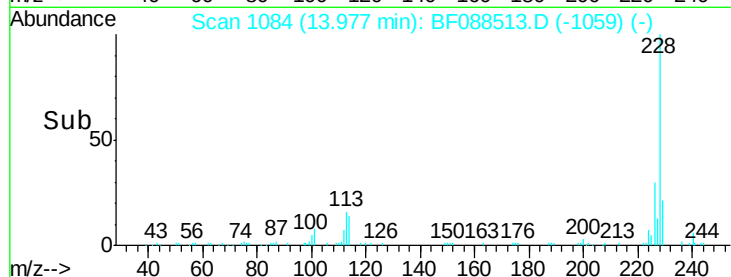
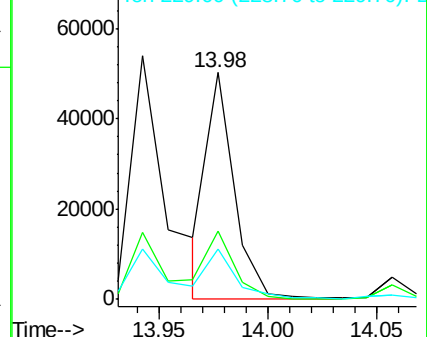
229 22.4 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.01 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

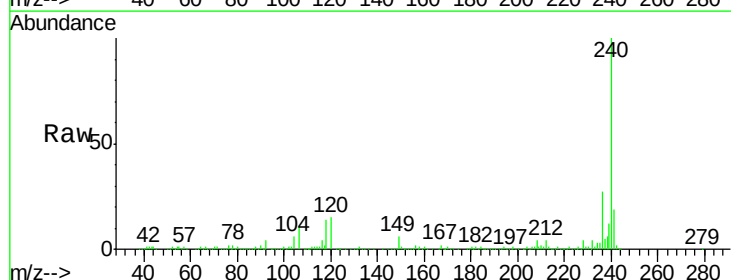
Tgt Ion: 149 Resp: 33041

Ion Ratio Lower Upper

149 100

167 28.1 21.3 31.9

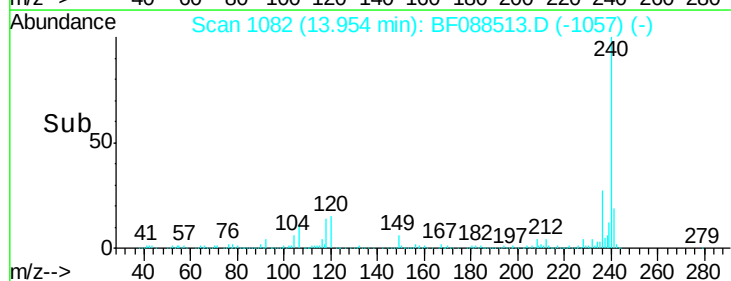
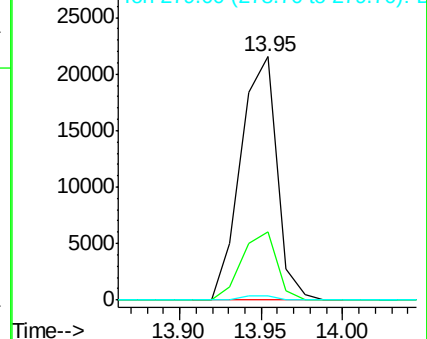
279 1.9 3.0 4.4#

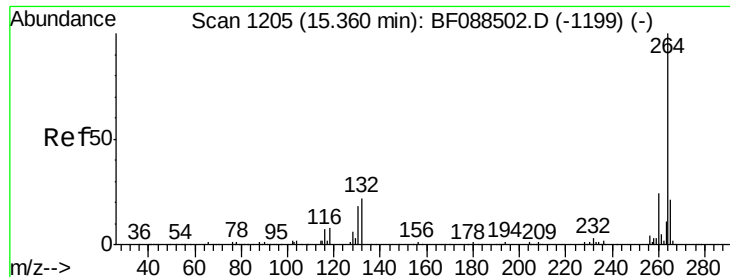


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

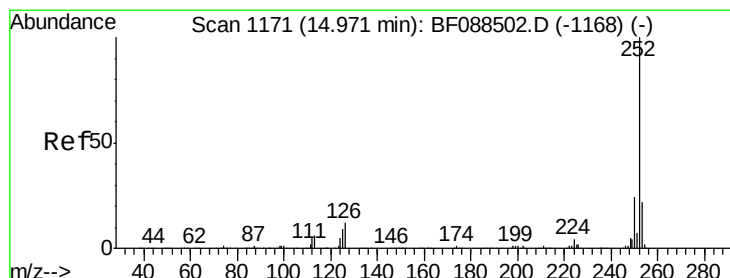
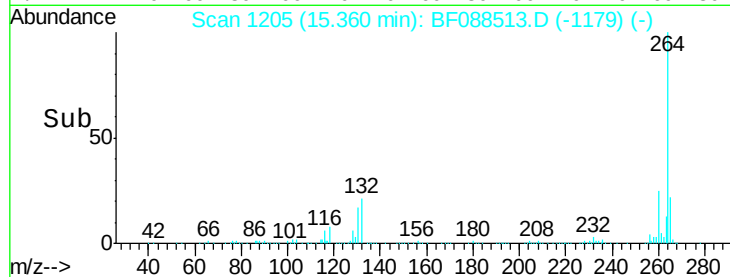
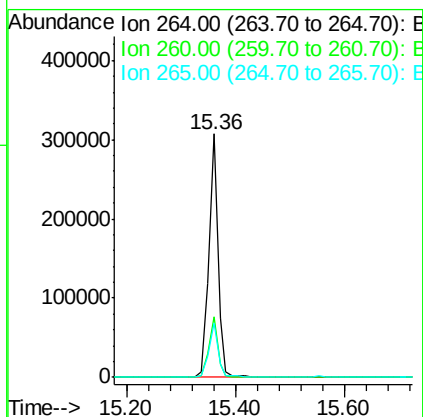
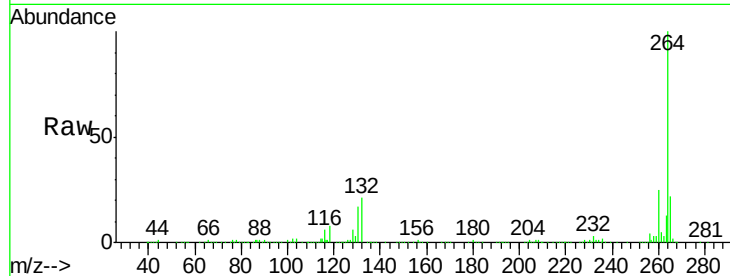




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

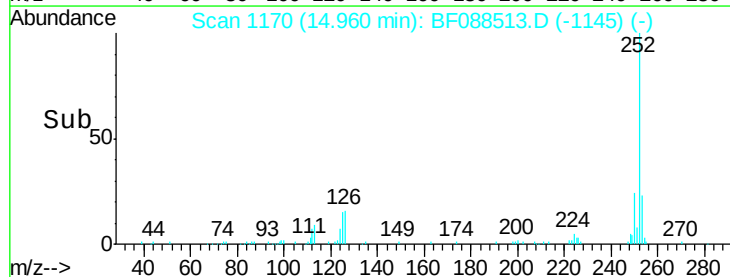
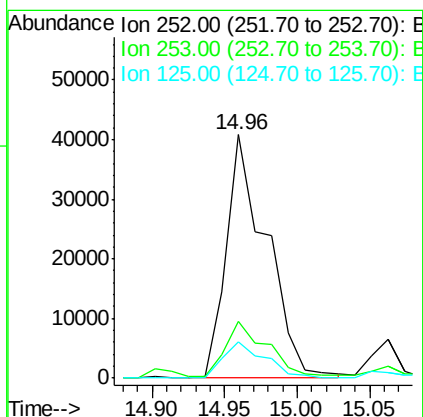
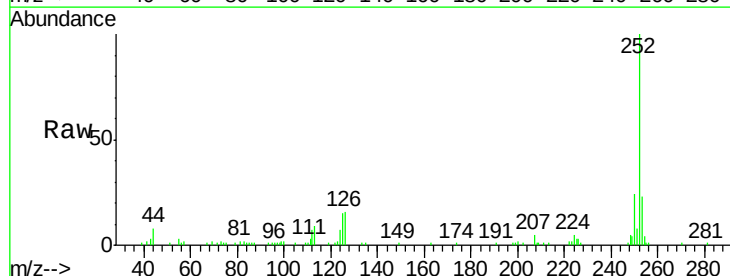
Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

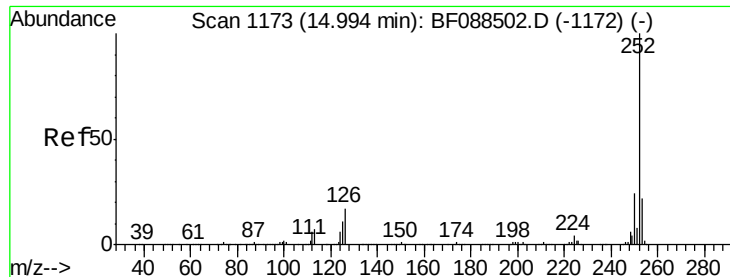
Tgt Ion:264 Resp: 361749
Ion Ratio Lower Upper
264 100
260 24.8 19.3 28.9
265 22.1 17.1 25.7



#87
Benzo(b)fluoranthene
Concen: 3.75 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Tgt Ion:252 Resp: 78518
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 14.6 7.4 11.2#

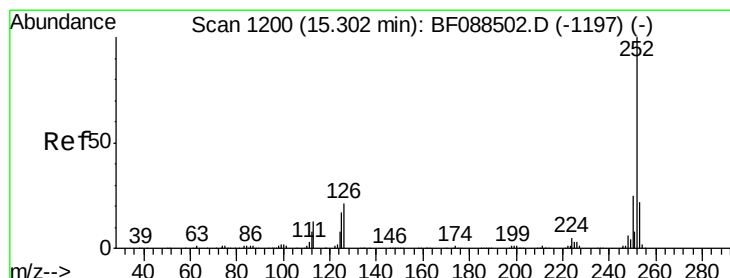
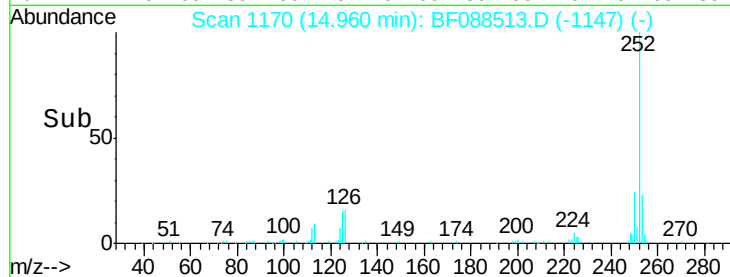
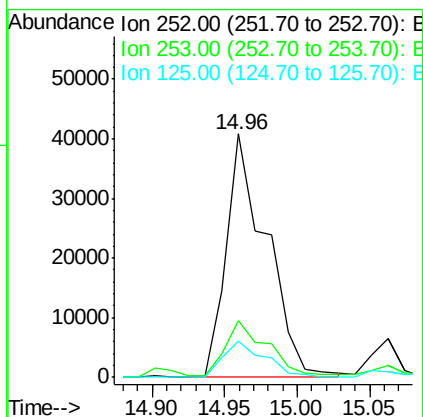
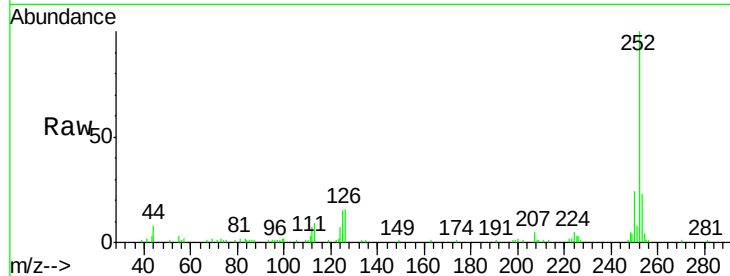




#88
Benzo(k)fluoranthene
Concen: 4.19 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

Tgt Ion:252 Resp: 78518
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 14.6 11.1 16.7



#89
Benzo(a)pyrene
Concen: 2.36 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Tgt Ion:252 Resp: 47419
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 17.8 13.4 20.0

