

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\
 Data File : BF084359.D
 Acq On : 10 Jan 2016 12:34
 Operator : SJ/UM
 Sample : H1043-06 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 11 00:16:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	264347	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1036716	20.00	ng	-0.05
38) Acenaphthene-d10	9.90	164	438363	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	795416	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	598159	20.00	ng	-0.05
86) Perylene-d12	15.45	264	500011	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	857860	52.49	ng	-0.03
7) Phenol-d6	6.50	99	1195096	58.22	ng	-0.03
23) Nitrobenzene-d5	7.41	82	793670	42.61	ng	-0.06
41) 2,4,6-Tribromophenol	10.69	330	127616	28.84	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	1216677	45.92	ng	-0.04
78) Terphenyl-d14	12.97	244	1064198	39.71	ng	-0.05

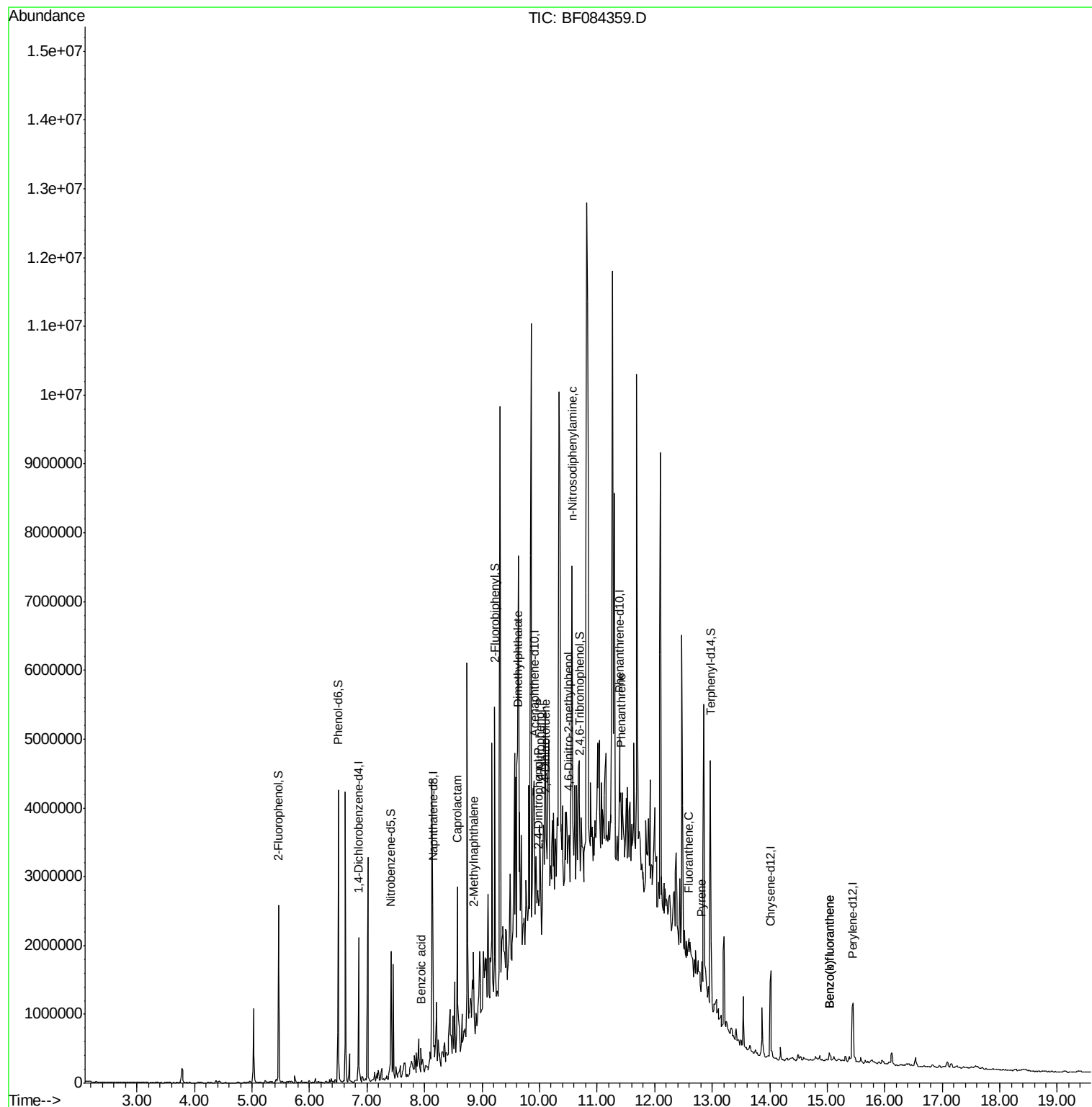
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	7.94	122	1731	6.38	ng	# 1
35) Caprolactam	8.57	113	46433	9.50	ng	# 1
37) 2-Methylnaphthalene	8.85	142	339234	10.05	ng	95
49) Dimethylphthalate	9.62	163	260784	8.32	ng	# 95
53) 2,4-Dinitrophenol	9.97	184	1289	3.98	ng	# 1
54) Dibenzofuran	10.10	168	53455	Below Cal	#	1
55) 4-Nitrophenol	10.01	139	40871	6.61	ng	# 44
56) 2,4-Dinitrotoluene	10.11	165	26636	3.06	ng	# 61
60) 4-Chlorophenyl-phenylether	10.46	204	4617	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.51	198	2598	6.81	ng	# 1
65) n-Nitrosodiphenylamine	10.57	169	251556	9.89	ng	# 42
70) Phenanthrene	11.41	178	394032	9.47	ng	# 94
73) Di-n-butylphthalate	11.93	149	22075	Below Cal	#	1
74) Fluoranthene	12.59	202	132480	3.05	ng	93
77) Pyrene	12.82	202	159865	3.41	ng	97
87) Benzo(b)fluoranthene	15.04	252	77944	2.38	ng	# 93
88) Benzo(k)fluoranthene	15.04	252	77944	2.91	ng	# 96

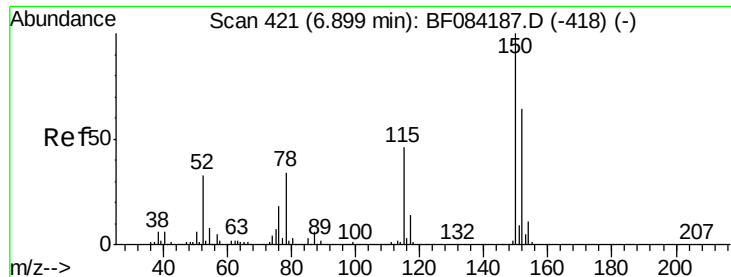
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 04 12:22:40 2016
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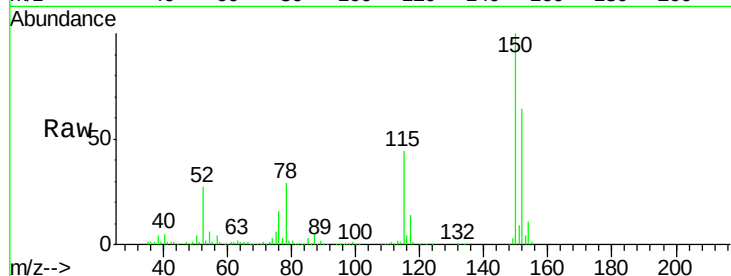


#1

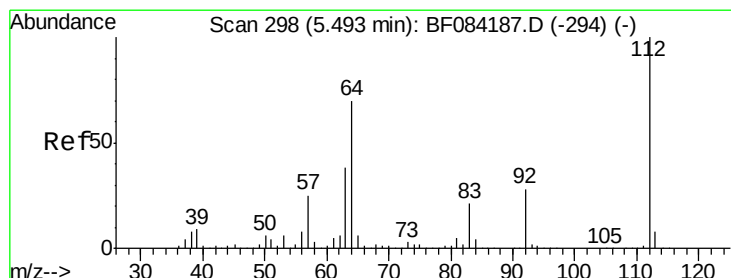
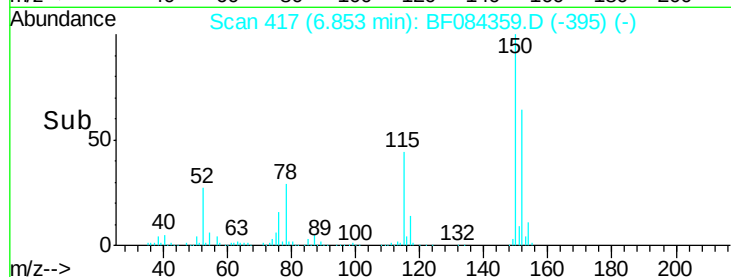
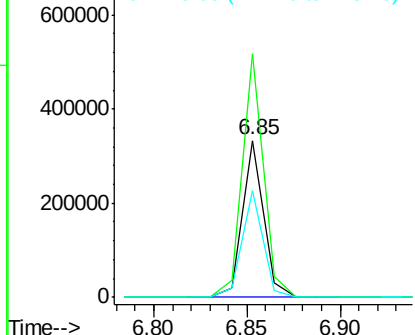
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.0	184.4
115	67.8	51.4	77.2



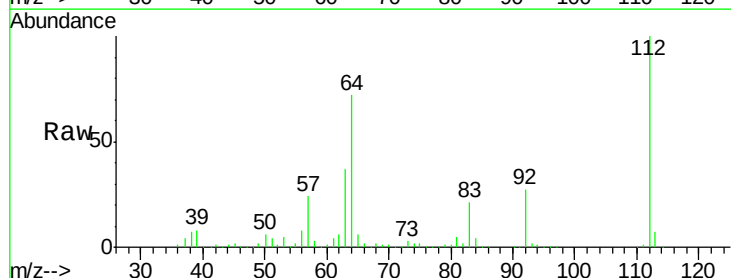
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



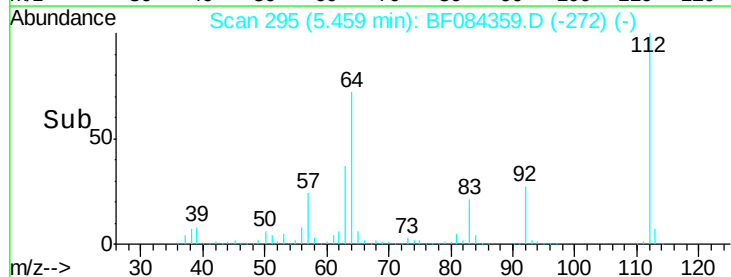
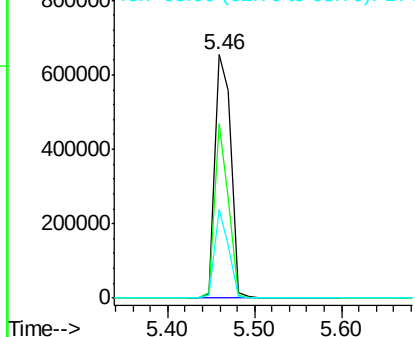
#5

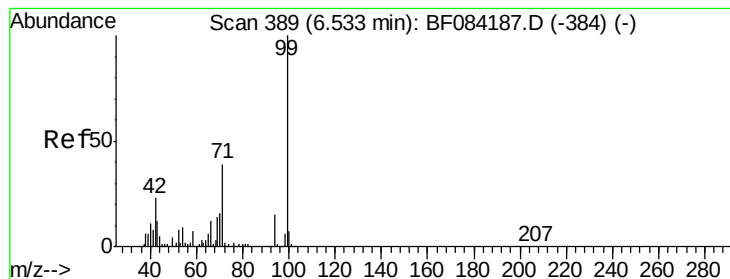
2-Fluorophenol
Concen: 52.49 ng
RT: 5.46 min Scan# 295
Delta R.T. -0.03 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.9	36.6	55.0#
63	36.7	19.4	29.0#



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: 58.22 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

Instrument :

BNA_F

ClientSampleId :

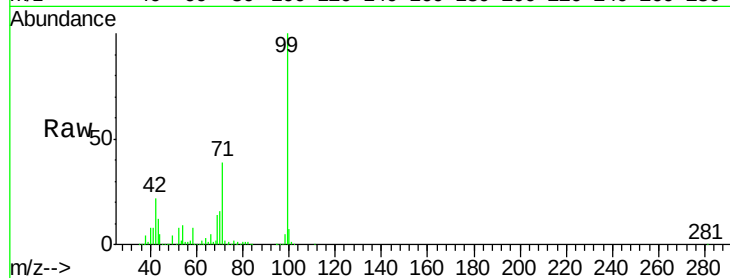
Tot Ion: 99 Resp: 1195096

Ion Ratio Lower Upper

99 100

42 22.4 12.8 19.2#

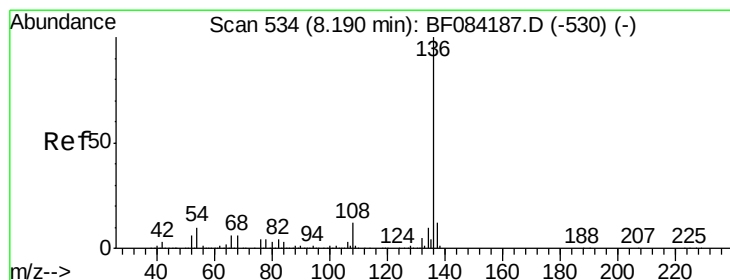
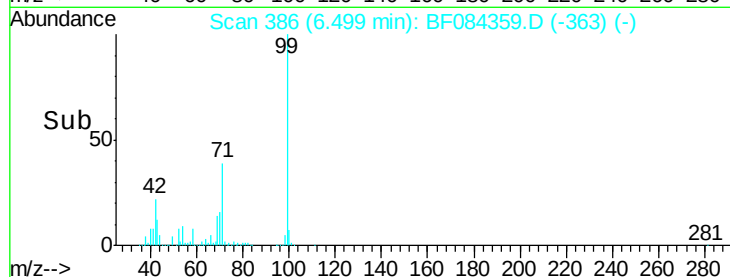
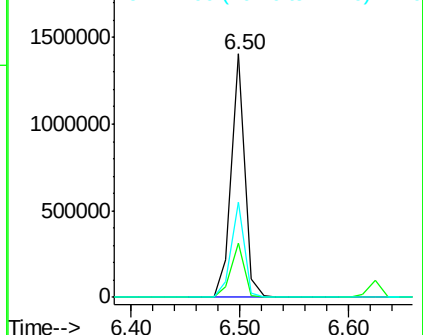
71 38.8 30.9 46.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

Tgt Ion: 136 Resp: 1036716

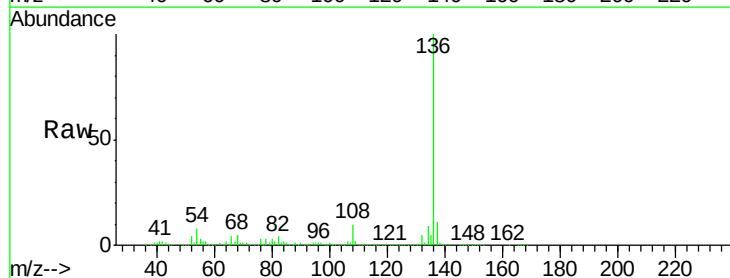
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.5 5.8 8.8

68 4.6 4.2 6.2

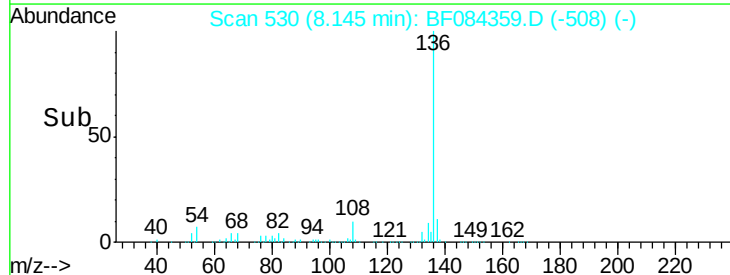
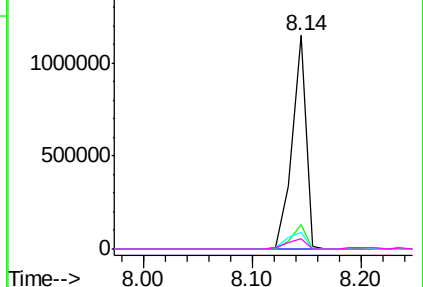


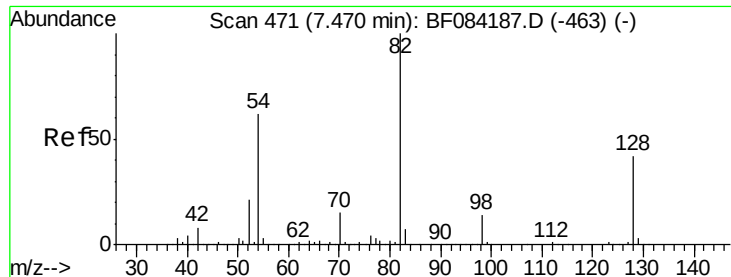
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

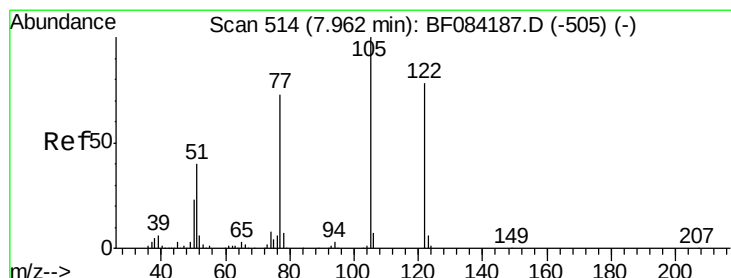
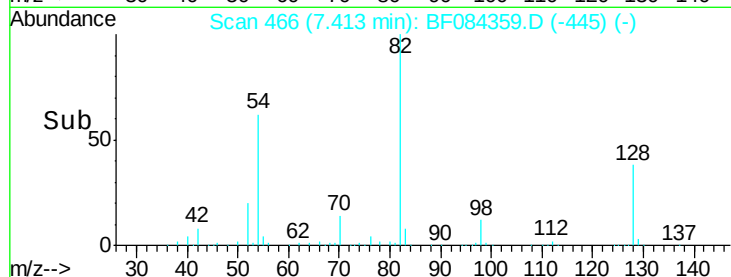
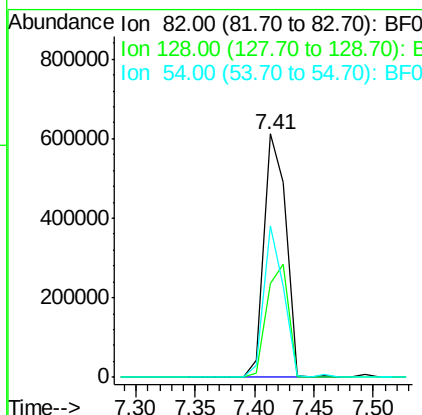
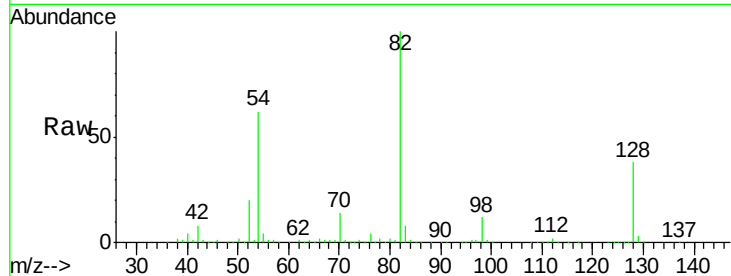




#23
Nitrobenzene-d5
Concen: 42.61 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.06 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

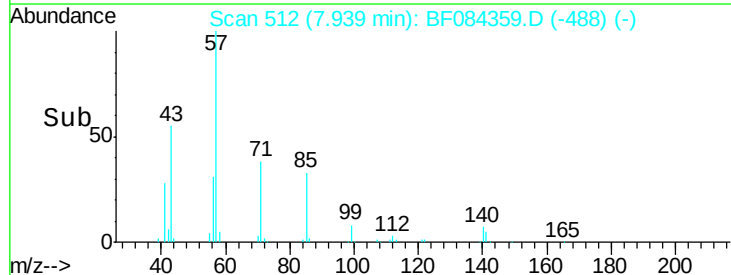
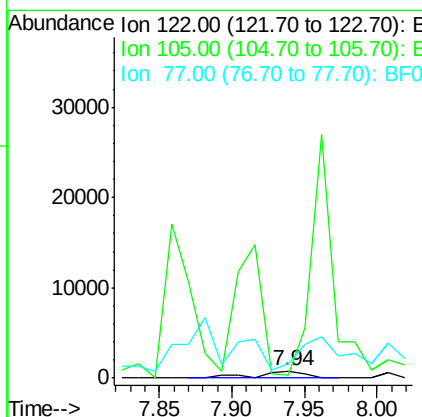
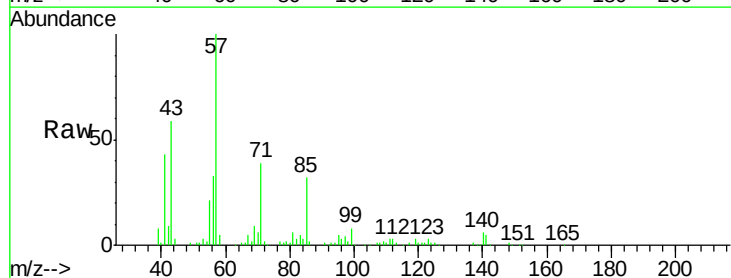
Instrument :
BNA_F
ClientSampleId :

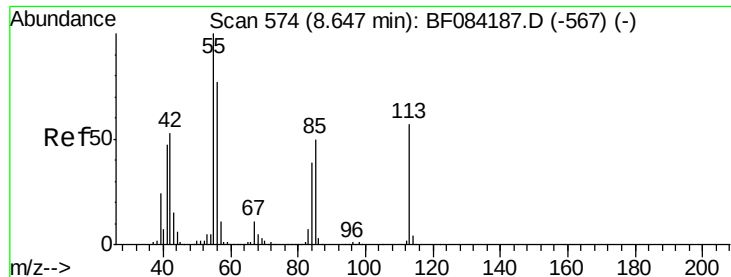
Tot Ion: 82 Resp: 793670
Ion Ratio Lower Upper
82 100
128 38.3 34.6 51.8
54 62.3 38.4 57.6#



#32
Benzoic acid
Concen: 6.38 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.02 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

Tgt Ion:122 Resp: 1731
Ion Ratio Lower Upper
122 100
105 46.3 100.3 140.3#
77 220.8 63.5 103.5#

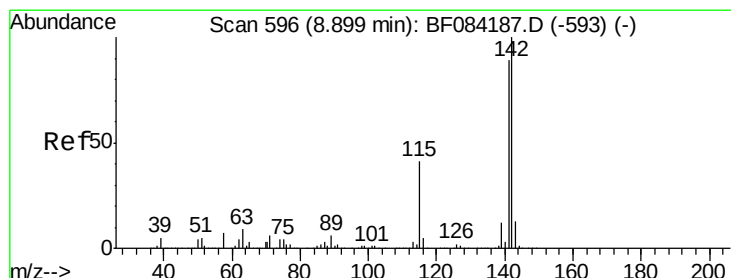
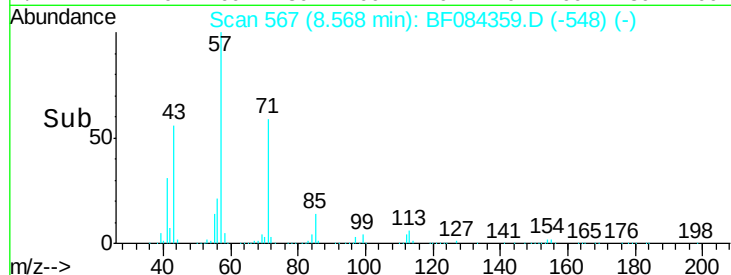
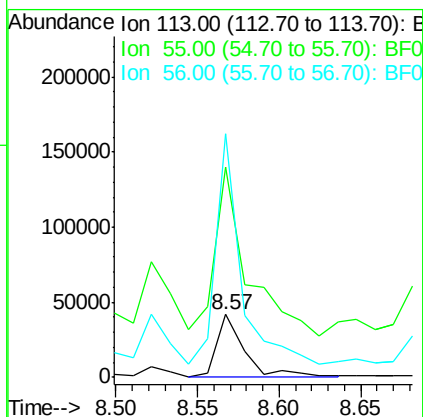
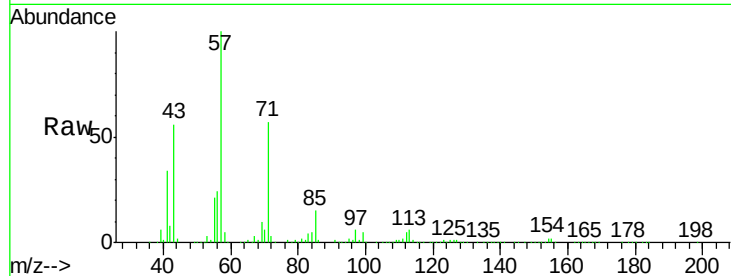




#35
Caprolactam
Concen: 9.50 ng
RT: 8.57 min Scan# 567
Delta R.T. -0.08 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

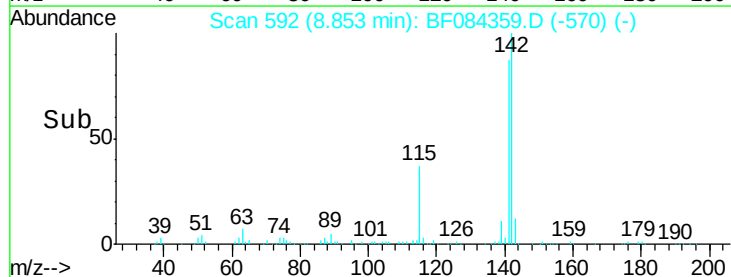
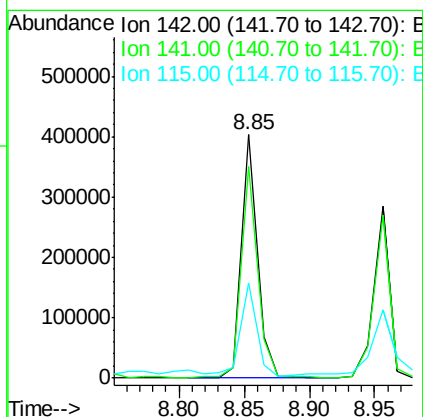
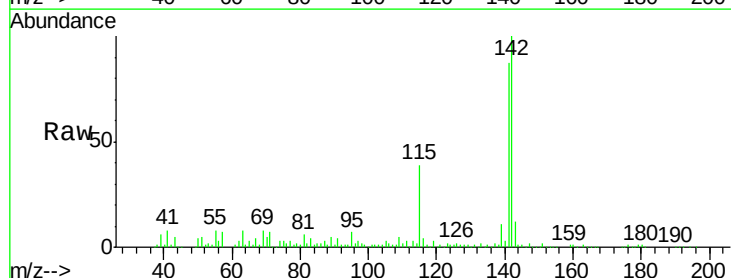
Instrument :
BNA_F
ClientSampleId :

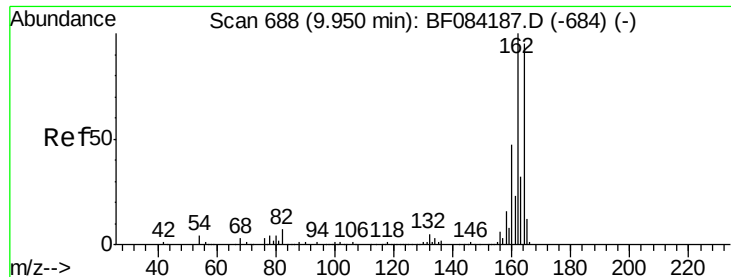
Tot Ion:113 Resp: 46433
Ion Ratio Lower Upper
113 100
55 336.8 116.9 156.9#
56 388.9 93.8 133.8#



#37
2-Methylnaphthalene
Concen: 10.05 ng
RT: 8.85 min Scan# 592
Delta R.T. -0.05 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

Tgt Ion:142 Resp: 339234
Ion Ratio Lower Upper
142 100
141 86.8 72.4 108.6
115 38.9 27.9 41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

Instrument :

BNA_F

ClientSampleId :

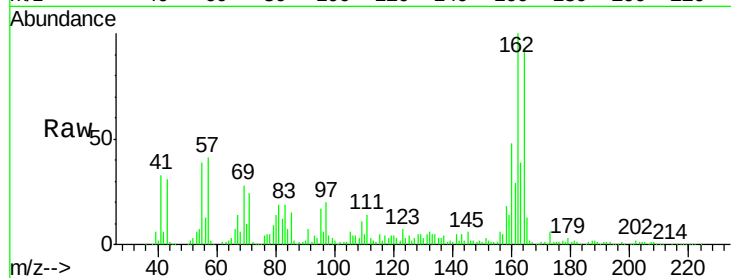
Tot Ion:164 Resp: 438363

Ion Ratio Lower Upper

164 100

162 107.5 85.1 127.7

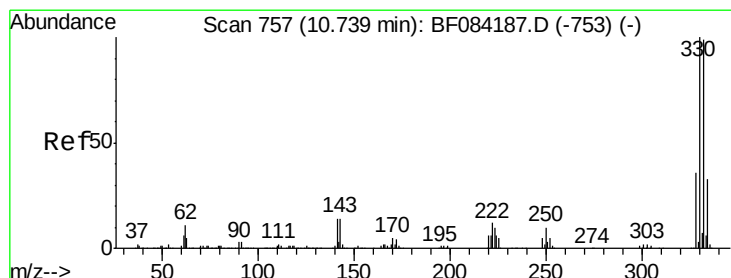
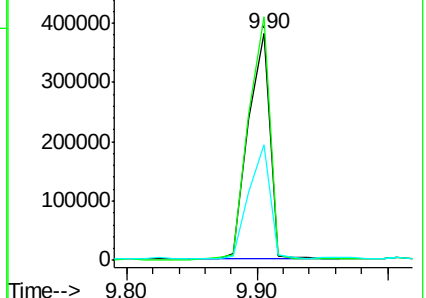
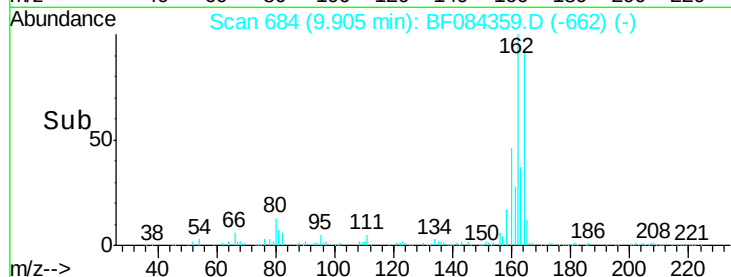
160 51.1 37.5 56.3



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: 28.84 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.05 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

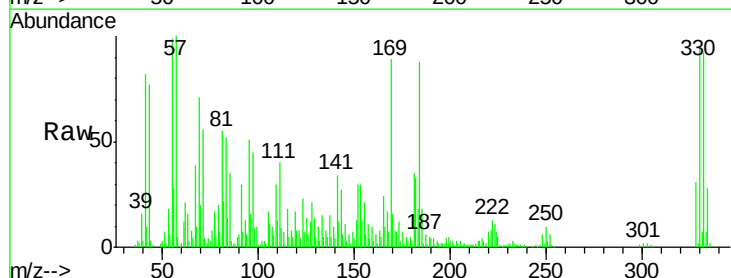
Tgt Ion:330 Resp: 127616

Ion Ratio Lower Upper

330 100

332 97.5 76.6 114.8

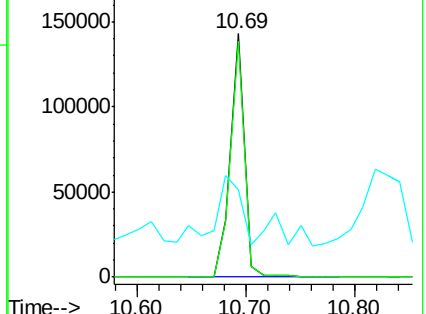
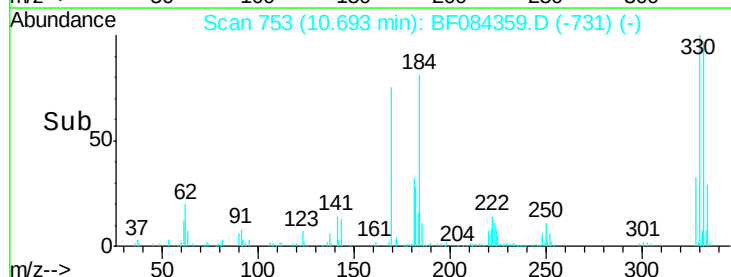
141 51.8 27.8 41.6#

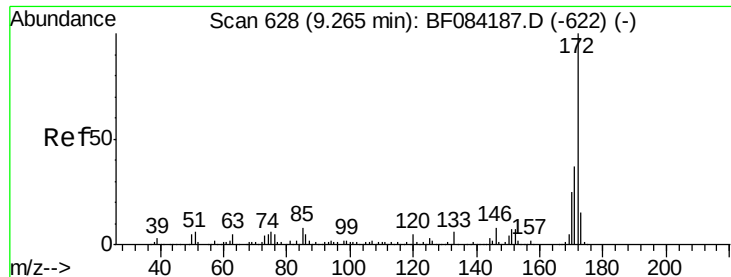


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 45.92 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.04 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

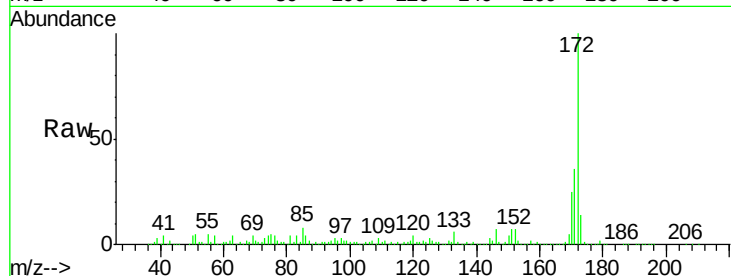
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1216677

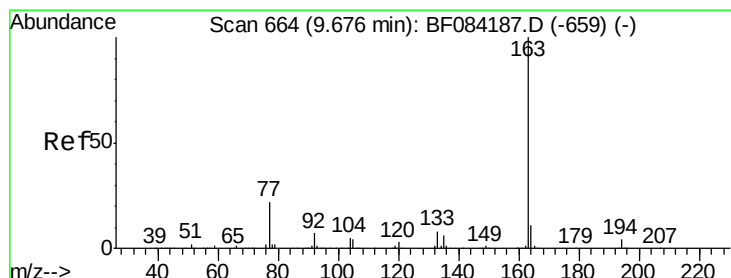
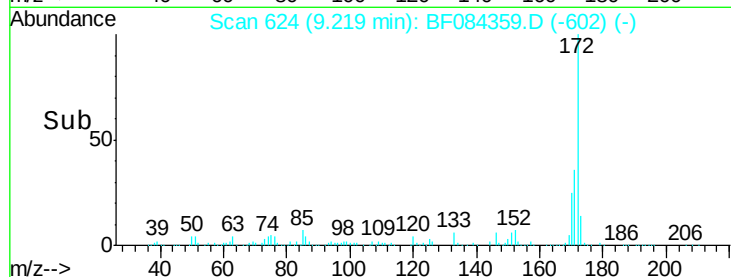
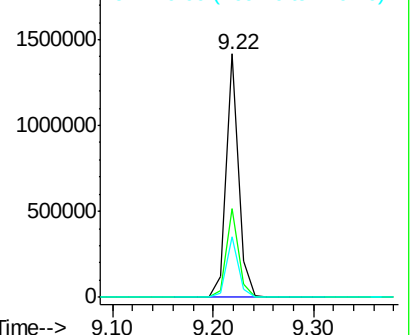
Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.8	18.6	27.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 8.32 ng

RT: 9.62 min Scan# 659

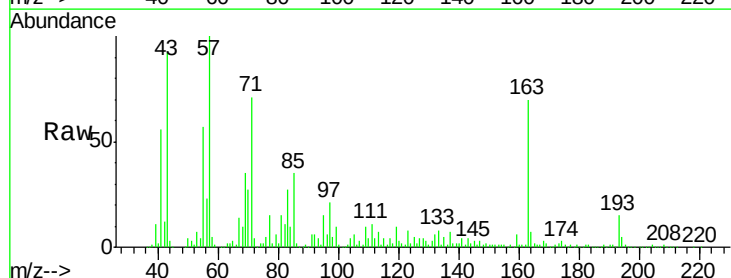
Delta R.T. -0.06 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

Tgt Ion:163 Resp: 260784

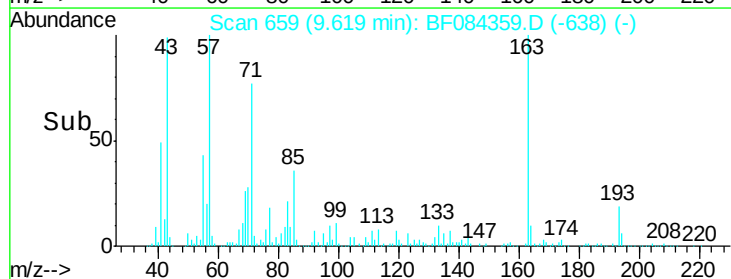
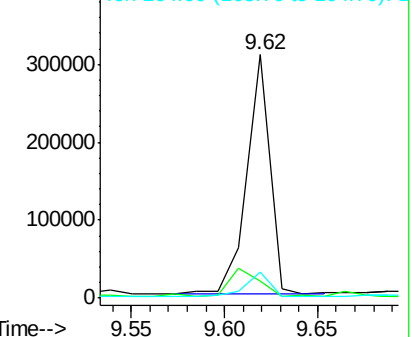
Ion	Ratio	Lower	Upper
163	100		
194	6.8	8.0	12.0#
164	10.5	8.0	12.0

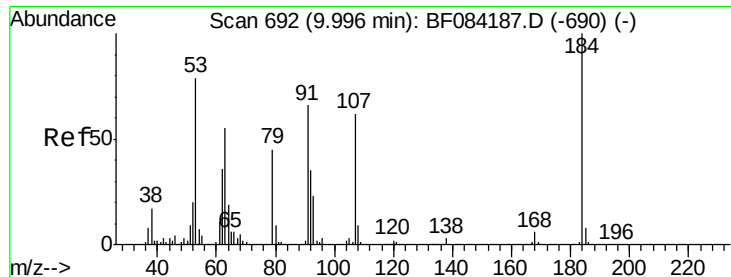


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#53

2,4-Dinitrophenol

Concen: 3.98 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

Instrument :

BNA_F

ClientSampleId :

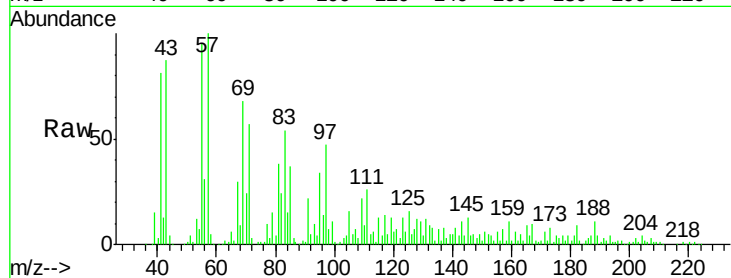
Tot Ion:184 Resp: 1289

Ion Ratio Lower Upper

184 100

63 688.1 43.1 64.7#

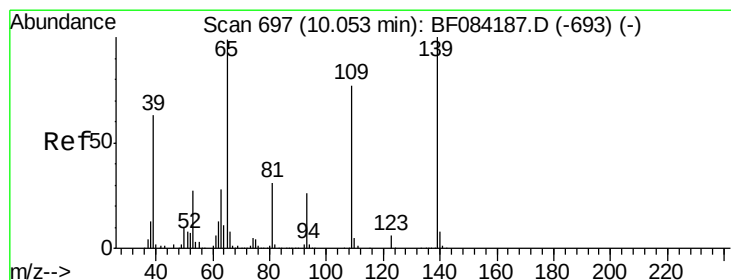
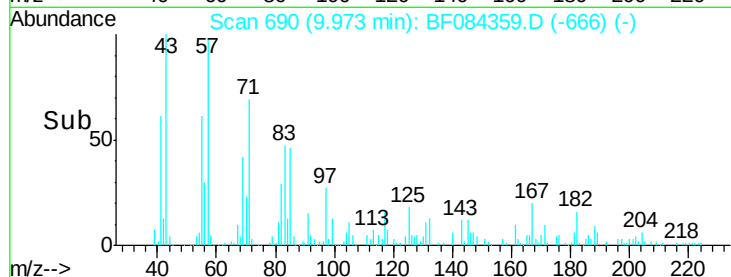
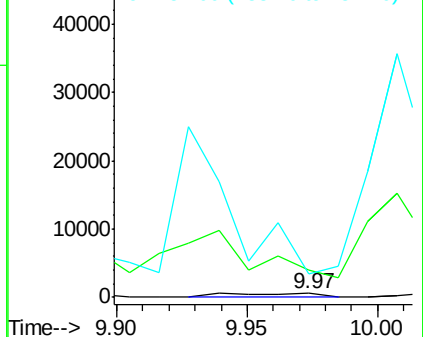
154 602.9 60.5 90.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 6.61 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

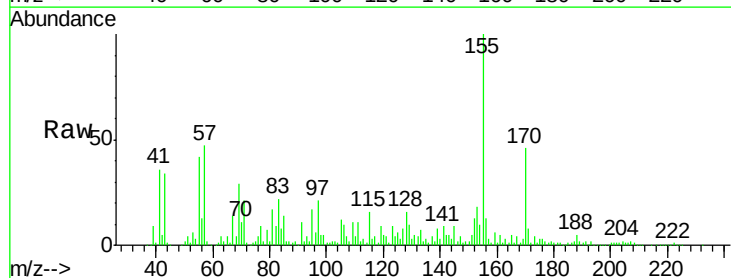
Tgt Ion:139 Resp: 40871

Ion Ratio Lower Upper

139 100

109 145.4 58.5 98.5#

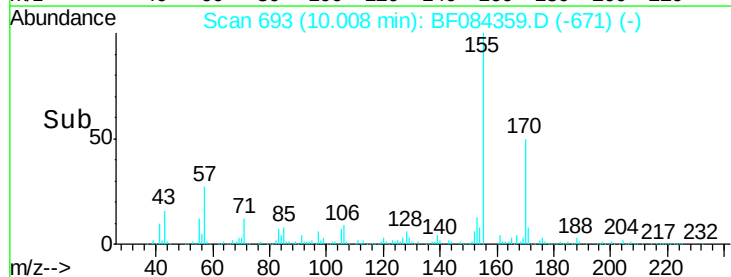
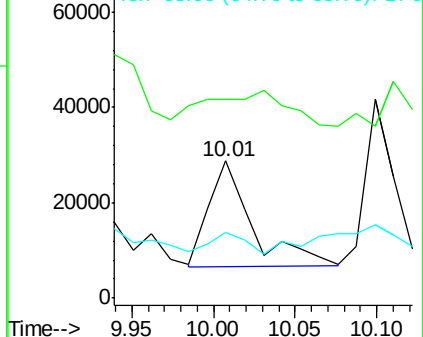
65 47.8 57.6 97.6#

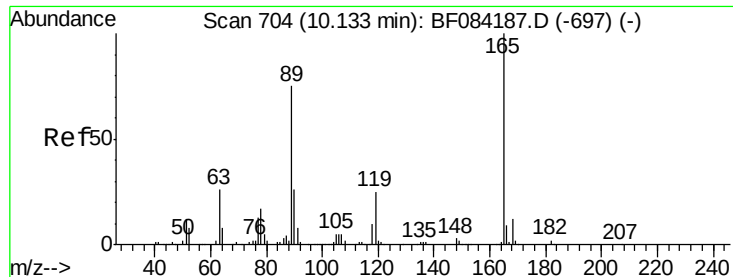


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

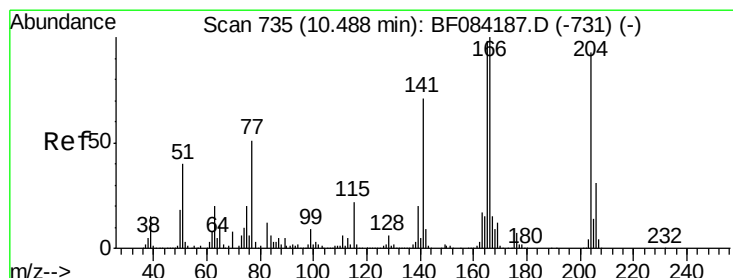
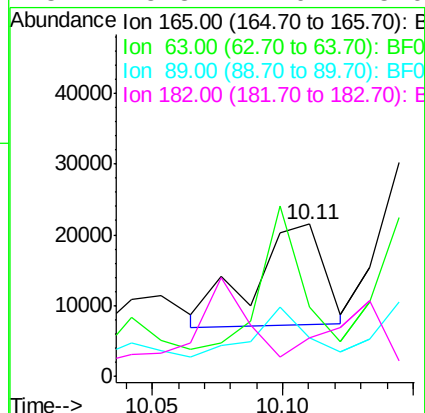
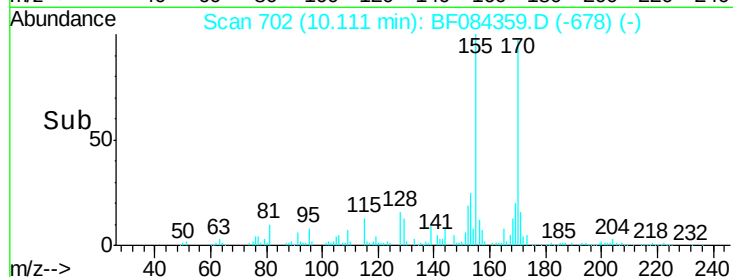
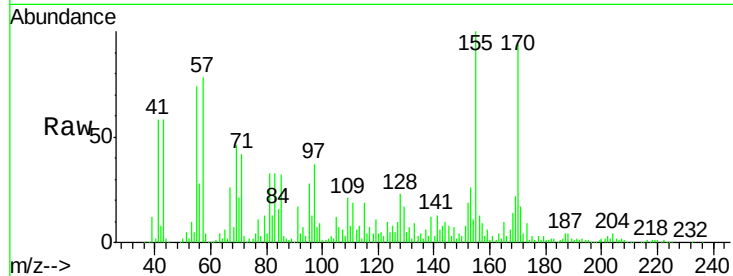




#56
2,4-Dinitrotoluene
Concen: 3.06 ng
RT: 10.11 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

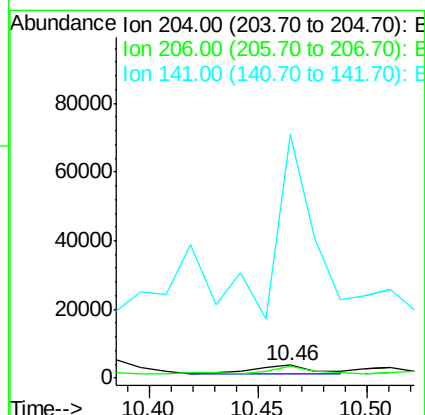
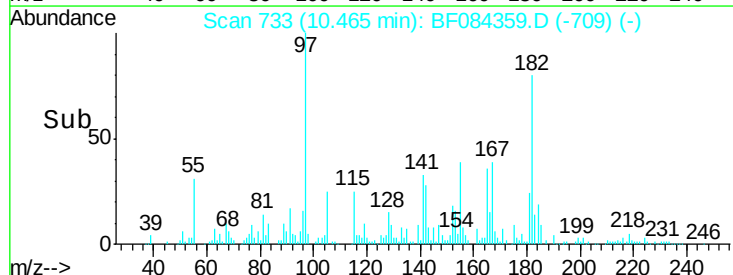
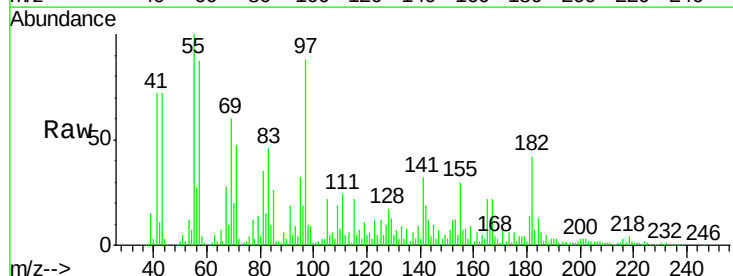
Instrument :
BNA_F
ClientSampled :

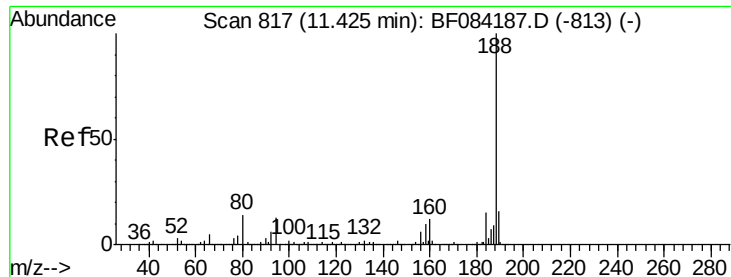
Tot Ion:165 Resp: 26636
Ion Ratio Lower Upper
165 100
63 45.4 36.7 55.1
89 25.1 61.9 92.9#
182 25.3 2.0 3.0#



#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.46 min Scan# 733
Delta R.T. -0.02 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

Tgt Ion:204 Resp: 4617
Ion Ratio Lower Upper
204 100
206 97.3 25.7 38.5#
141 1929.8 55.1 82.7#

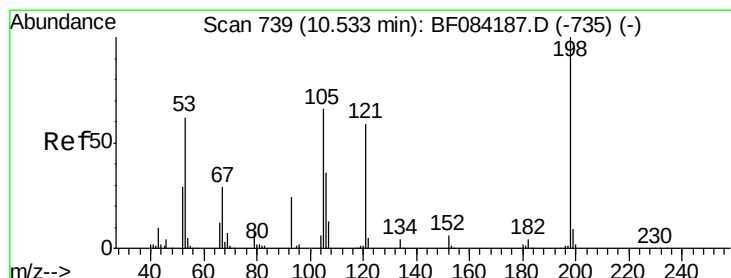
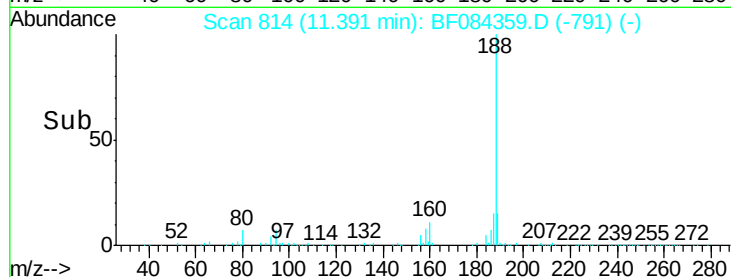
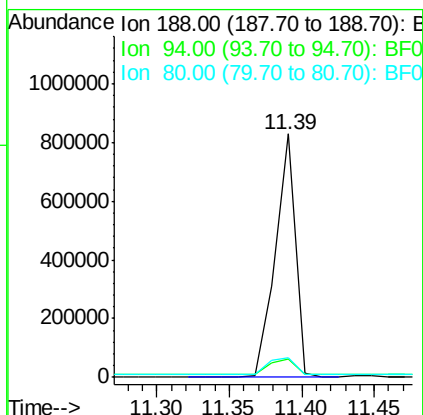
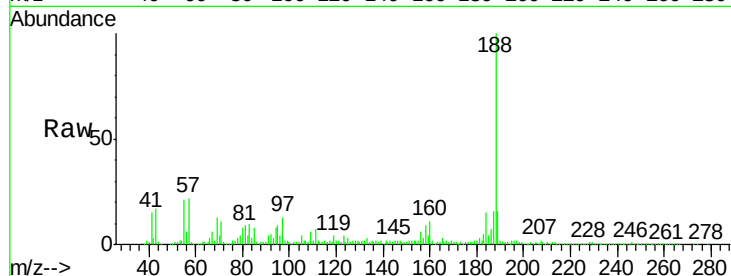




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

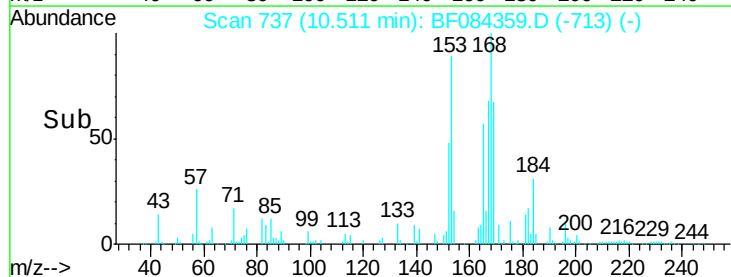
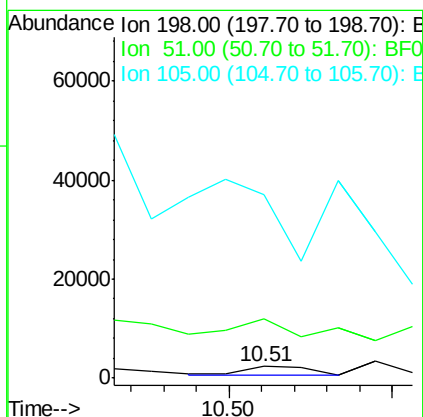
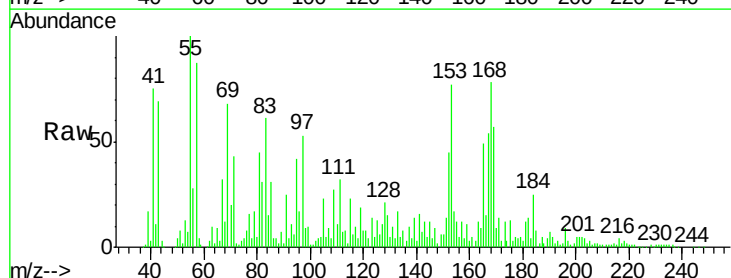
Instrument :
BNA_F
ClientSampleId :

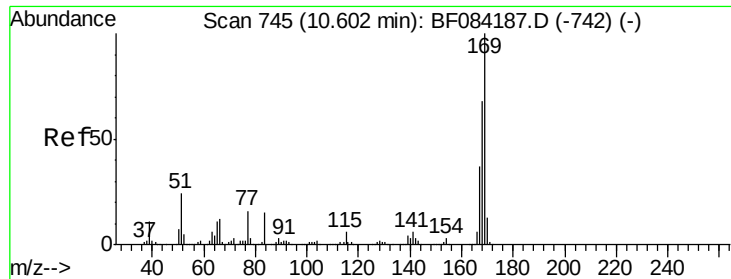
Tot Ion:188 Resp: 795416
Ion Ratio Lower Upper
188 100
94 7.8 9.0 13.4#
80 8.1 9.6 14.4#



#64
4,6-Dinitro-2-methylphenol
Concen: 6.81 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.02 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

Tgt Ion:198 Resp: 2598
Ion Ratio Lower Upper
198 100
51 513.4 18.9 58.9#
105 1579.6 26.4 66.4#





#65

n-Nitrosodiphenylamine

Concen: 9.89 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

Instrument :

BNA_F

ClientSampleId :

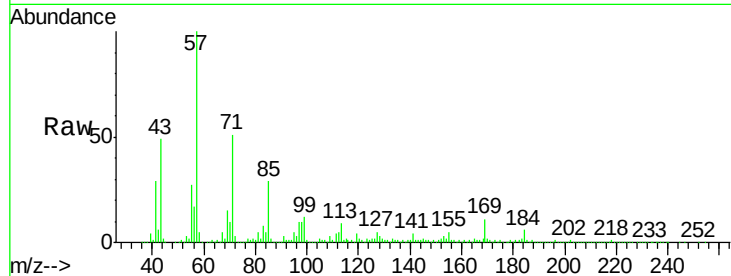
Tot Ion:169 Resp: 251556

Ion Ratio Lower Upper

169 100

168 17.1 55.1 82.7#

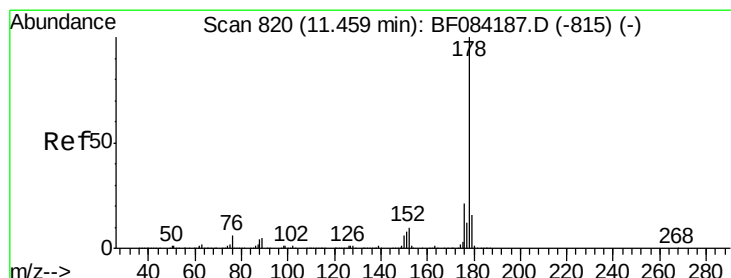
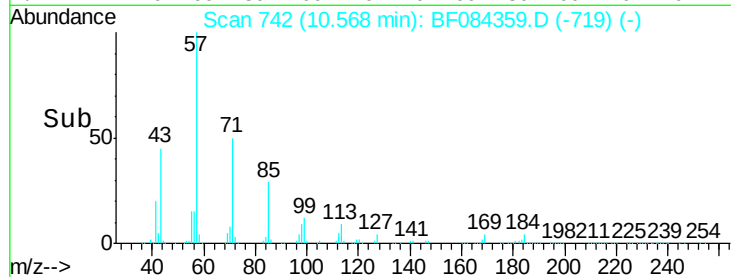
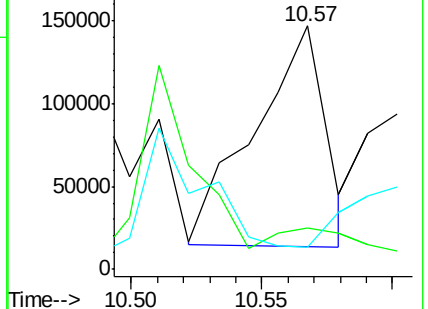
167 9.3 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 9.47 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.05 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

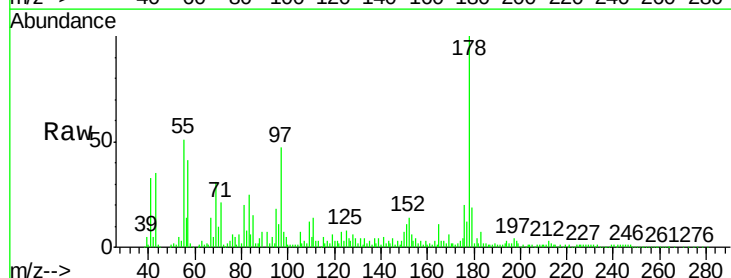
Tgt Ion:178 Resp: 394032

Ion Ratio Lower Upper

178 100

176 20.1 15.3 22.9

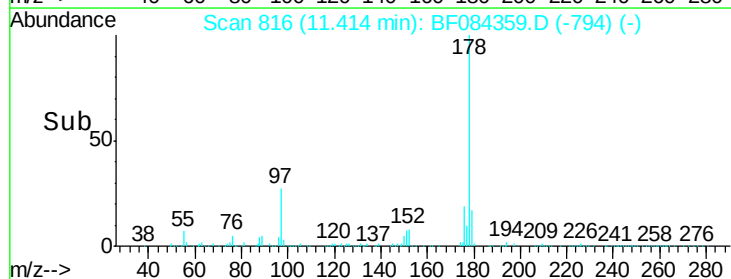
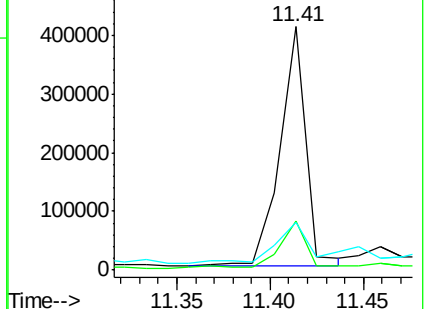
179 19.5 12.0 18.0#

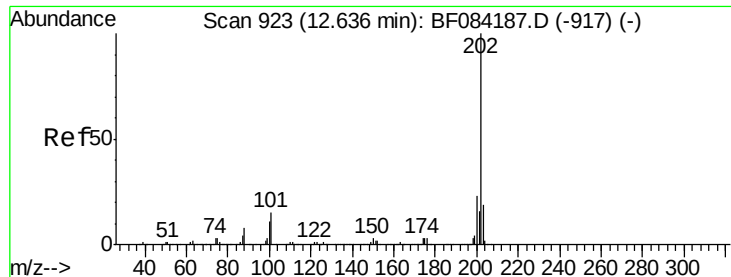


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

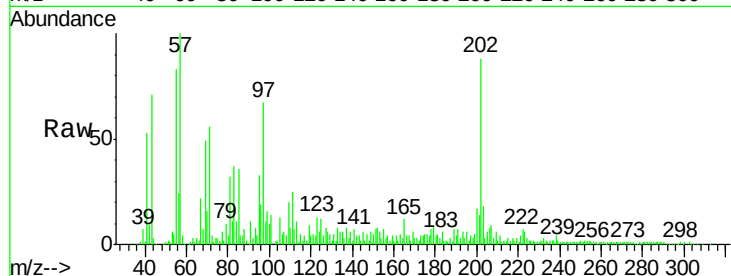




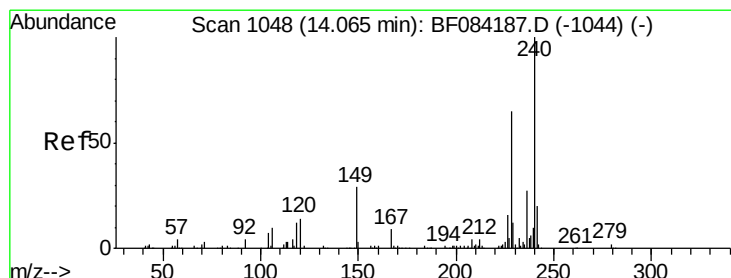
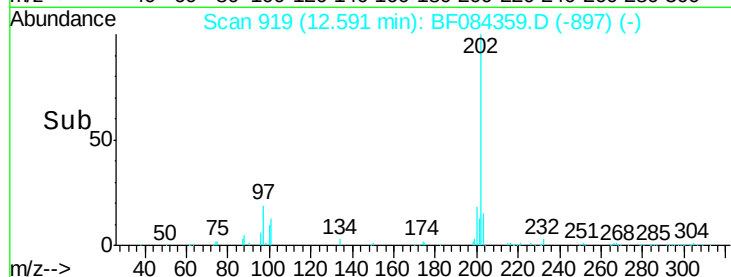
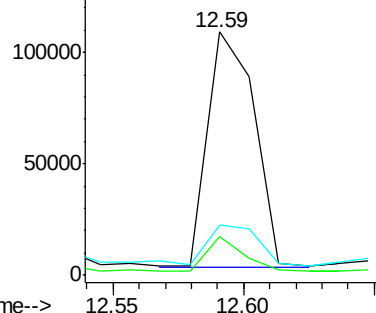
#74
Fluoranthene
Concen: 3.05 ng
RT: 12.59 min Scan# 919
Delta R.T. -0.05 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.0	0.0	32.8
203	20.8	0.0	37.9

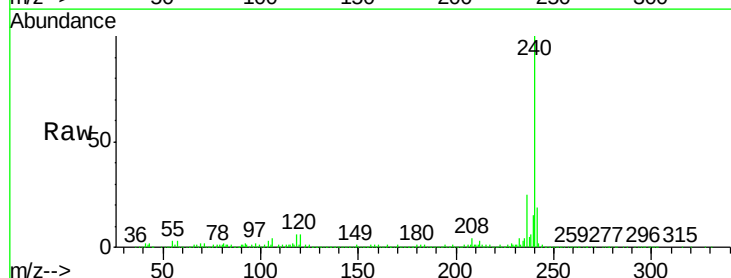


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

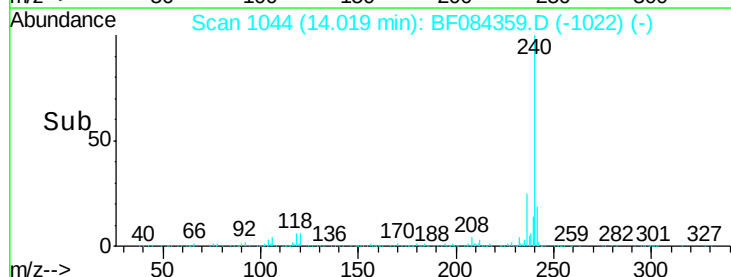
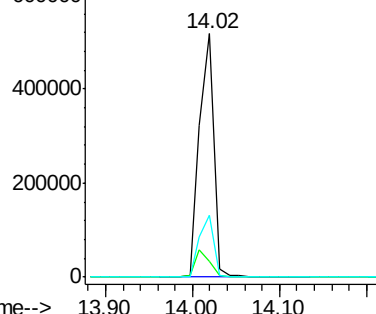


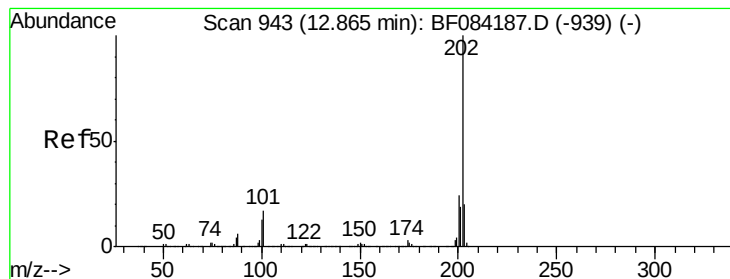
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.05 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.4	9.5	14.3#
236	25.2	20.6	31.0



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

Pvrene

Concen: 3.41 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

Instrument :

BNA_F

ClientSampleId :

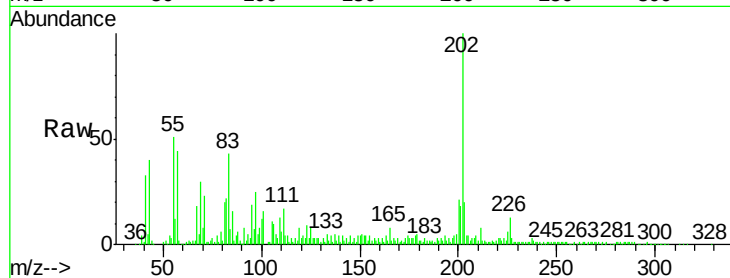
Tot Ion:202 Resp: 159865

Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

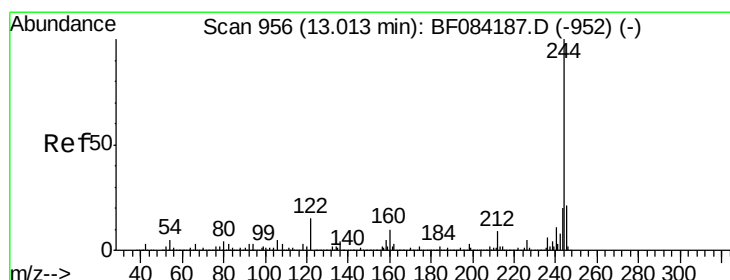
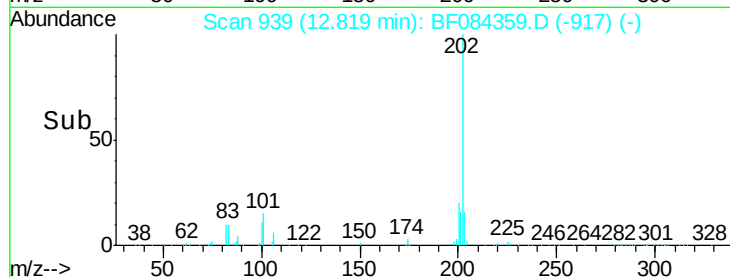
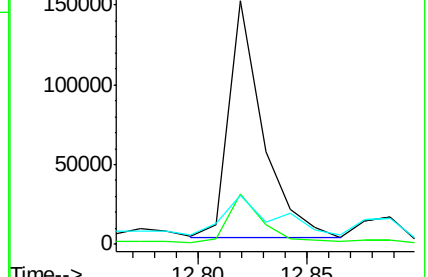
203 19.9 14.3 21.5



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: 39.71 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084359.D

Acq: 10 Jan 2016 12:34

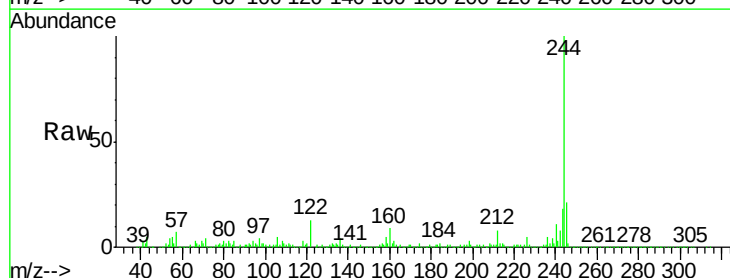
Tgt Ion:244 Resp: 1064198

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

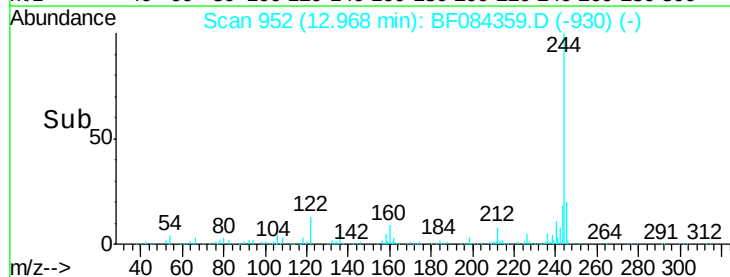
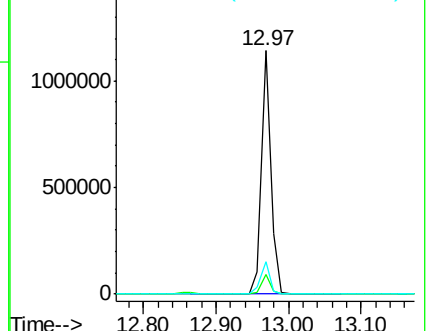
122 13.4 7.4 11.0#

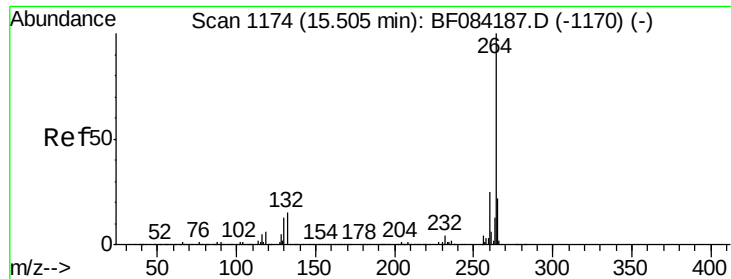


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

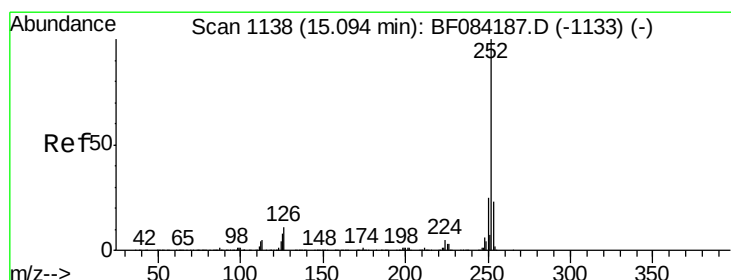
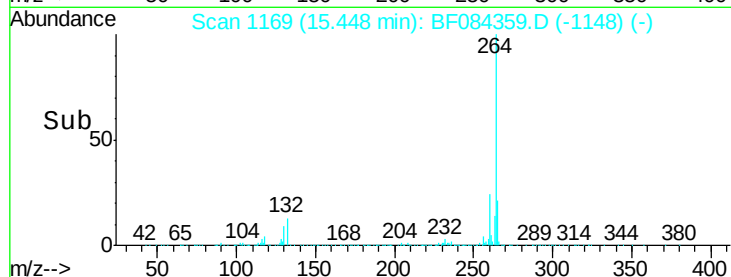
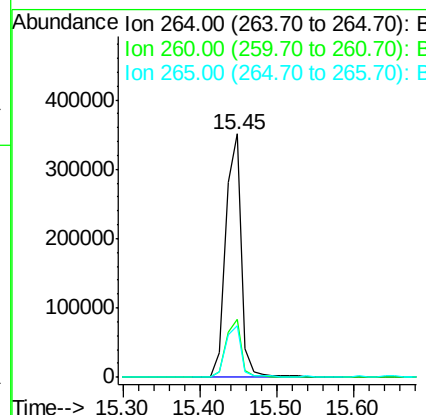
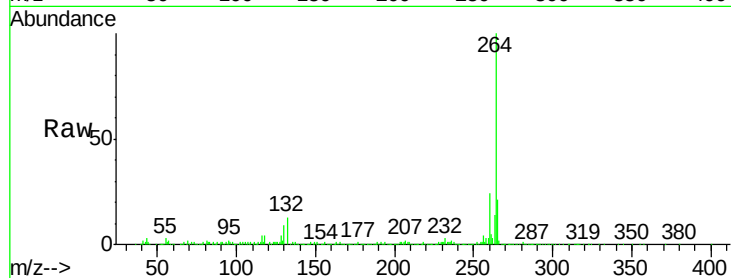




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

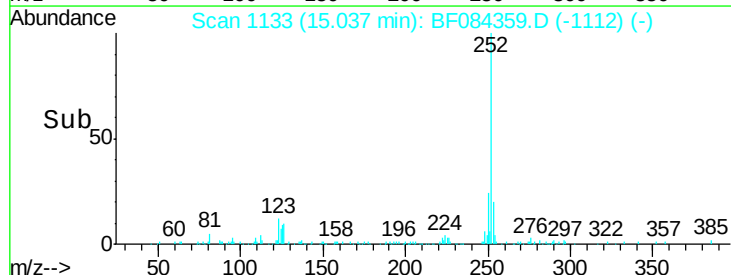
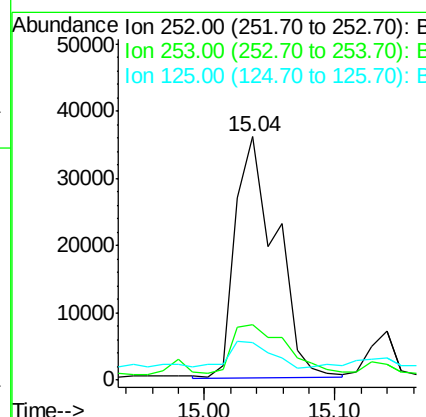
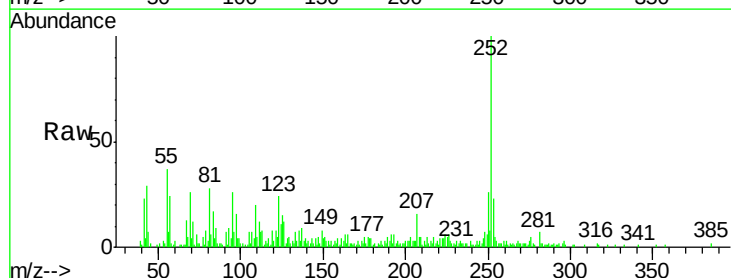
Instrument :
BNA_F
ClientSampleId :

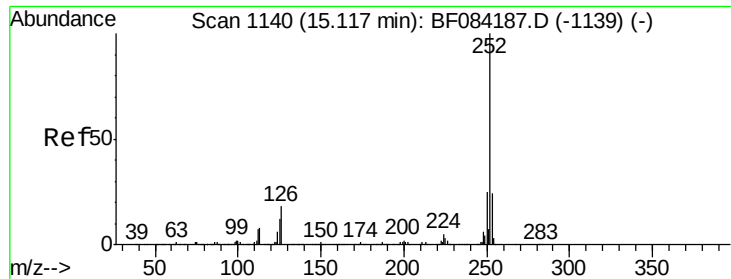
Tot Ion:264 Resp: 500011
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 21.1 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 2.38 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.06 min
Lab File: BF084359.D
Acq: 10 Jan 2016 12:34

Tgt Ion:252 Resp: 77944
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 15.4 6.5 9.7#





#88
 Benzo(k)fluoranthene
 Concen: 2.91 ng
 RT: 15.04 min Scan# 1133
 Delta R.T. -0.08 min
 Lab File: BF084359.D
 Acq: 10 Jan 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	15.4	9.0	13.6

