

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087780.D
 Acq On : 7 Jun 2016 7:29
 Operator : UM/SJ
 Sample : H3349-08RE
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-15

Quant Time: Jun 07 07:56:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	101186	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	387739	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	152189	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	241249	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	197839	20.00	ng	-0.02
86) Perylene-d12	15.43	264	141689	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	344750	55.07	ng	-0.01
7) Phenol-d6	6.48	99	315528	40.19	ng	-0.01
23) Nitrobenzene-d5	7.42	82	541461	80.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	206560	135.21	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1043214	123.46	ng	-0.01
78) Terphenyl-d14	12.96	244	665327	82.06	ng	-0.01

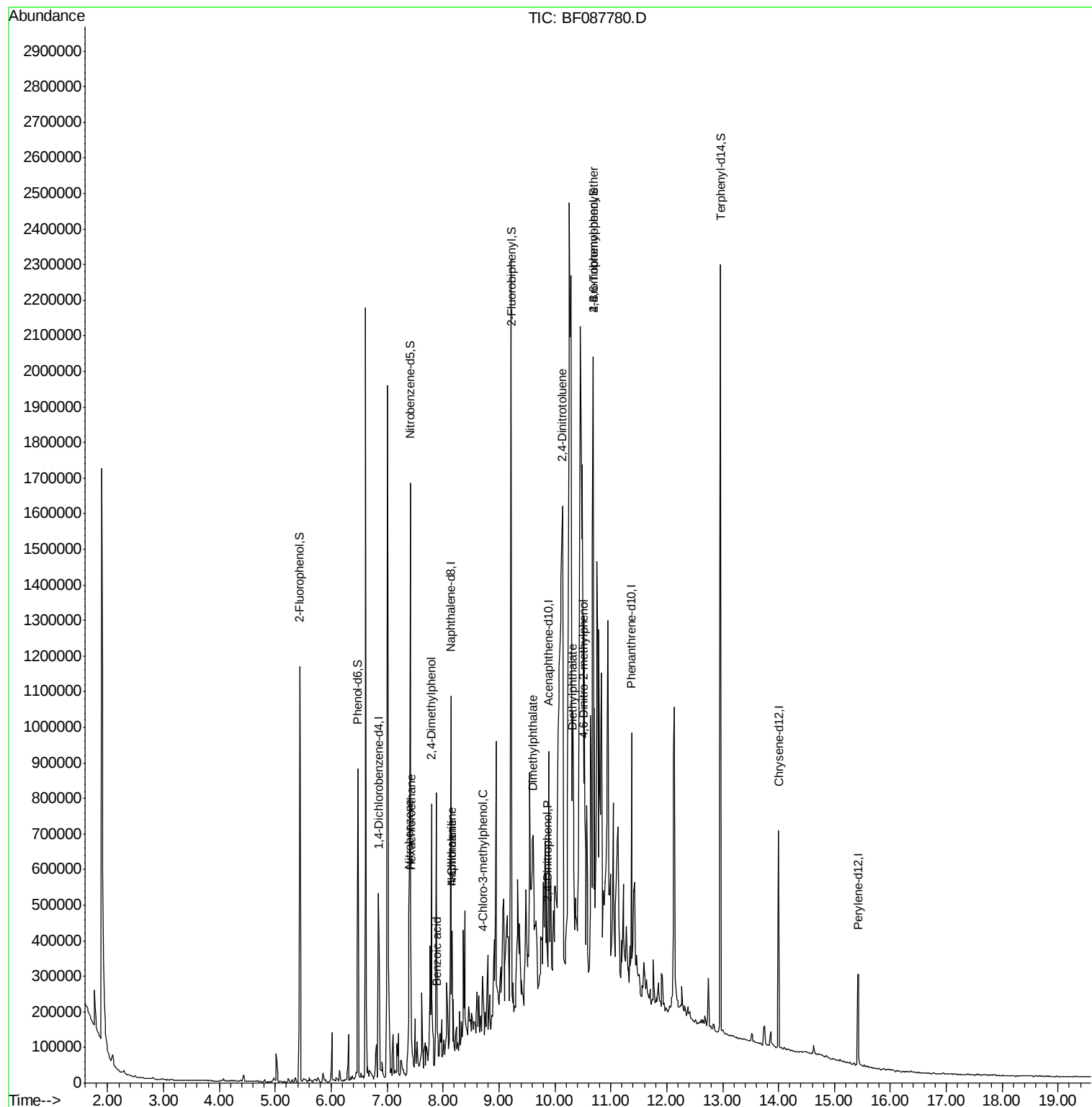
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.43	117	122249	45.17	ng	# 23
24) Nitrobenzene	7.39	77	13540	2.02	ng	# 16
27) 2,4-Dimethylphenol	7.79	122	54513	8.44	ng	98
31) Naphthalene	8.16	128	112718	5.98	ng	97
32) Benzoic acid	7.90	122	8982	2.31	ng	# 45
33) 4-Chloroaniline	8.16	127	18721	2.29	ng	# 34
36) 4-Chloro-3-methylphenol	8.71	107	12657	2.31	ng	# 21
49) Dimethylphthalate	9.61	163	81139	7.33	ng	# 76
53) 2,4-Dinitrophenol	9.86	184	2864	6.26	ng	# 49
56) 2,4-Dinitrotoluene	10.14	165	90700	28.29	ng	# 49
59) Diethylphthalate	10.31	149	125870	11.33	ng	# 53
60) 4-Chlorophenyl-phenylether	10.41	204	489	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.51	198	2144	3.55	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	12565	5.25	ng	# 1

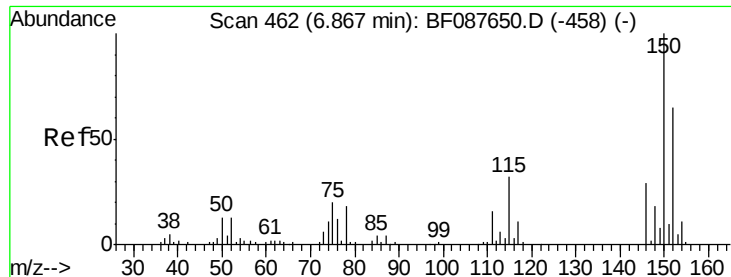
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

Instrument :

BNA_F

ClientSampleId :

W-15

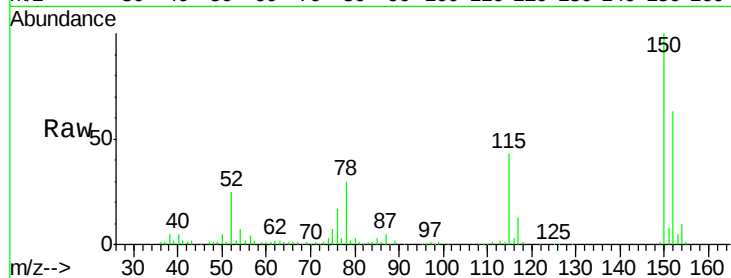
Tgt Ion:152 Resp: 101186

Ion Ratio Lower Upper

152 100

150 159.9 123.8 185.6

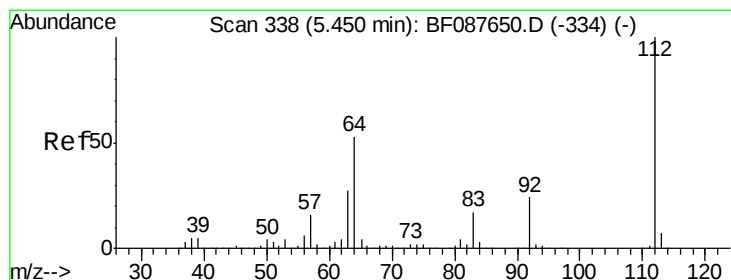
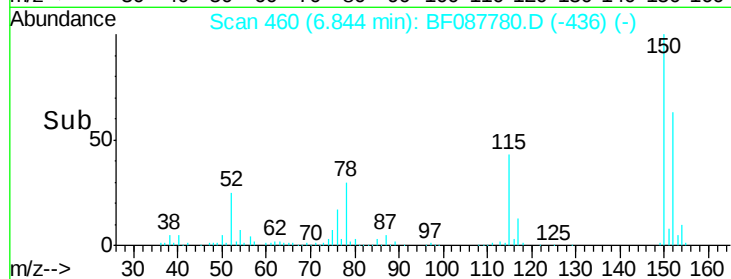
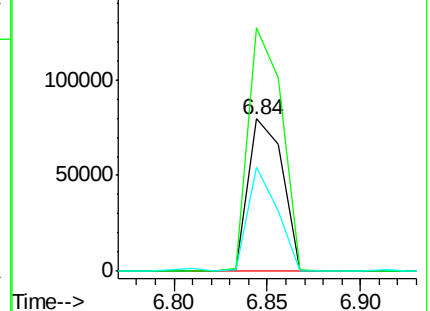
115 68.5 39.6 59.4#



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: 55.07 ng

RT: 5.44 min Scan# 337

Delta R.T. -0.01 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

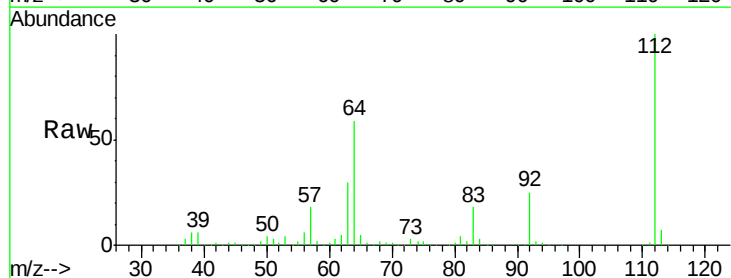
Tgt Ion:112 Resp: 344750

Ion Ratio Lower Upper

112 100

64 58.8 42.2 63.2

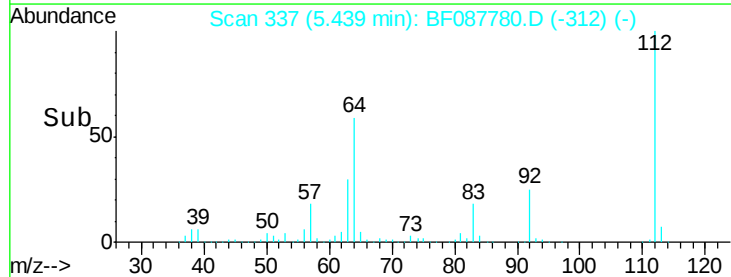
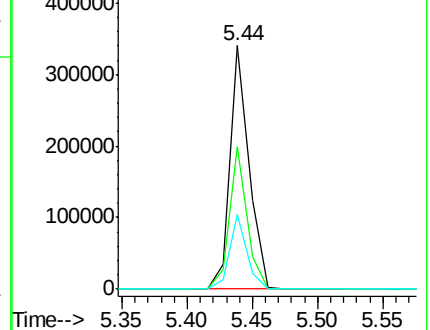
63 30.5 21.8 32.8

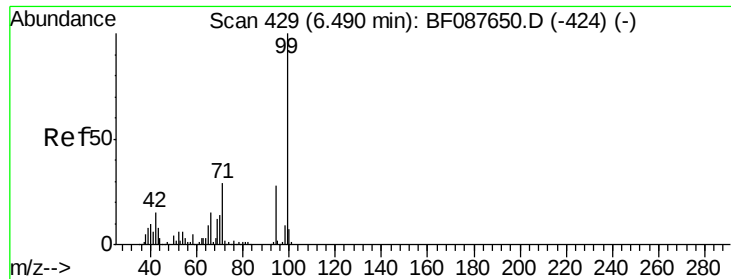


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.19 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

Instrument :

BNA_F

ClientSampleId :

W-15

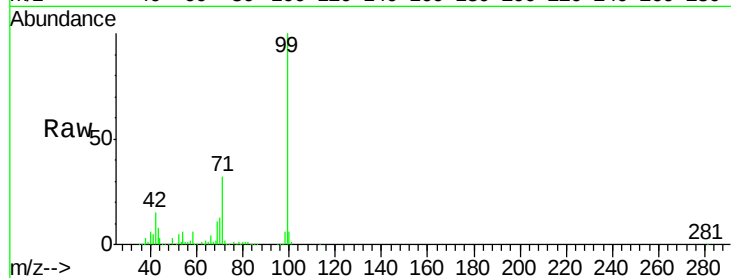
Tgt Ion: 99 Resp: 315528

Ion Ratio Lower Upper

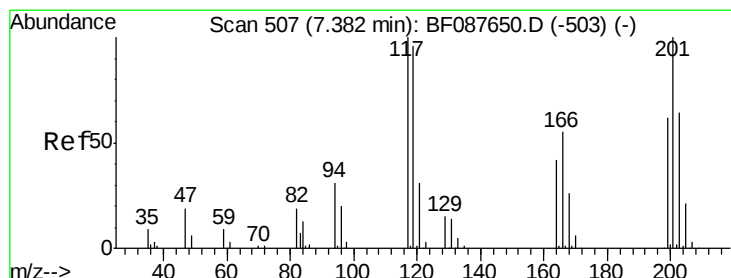
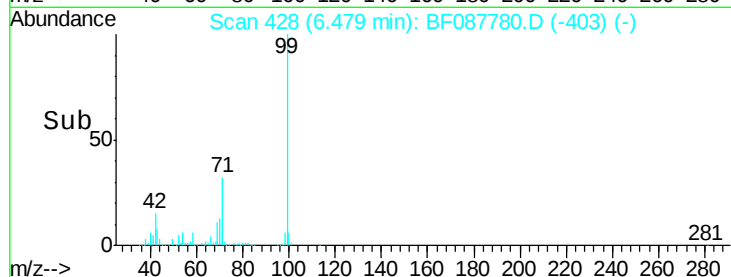
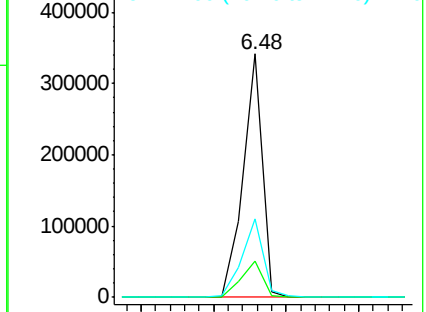
99 100

42 14.7 12.2 18.2

71 32.1 23.4 35.0



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



#18

Hexachloroethane

Concen: 45.17 ng

RT: 7.43 min Scan# 511

Delta R.T. 0.05 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

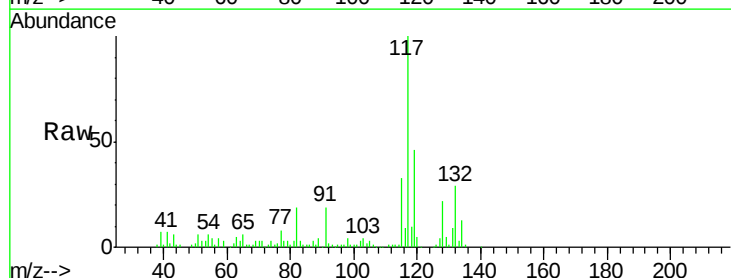
Tgt Ion: 117 Resp: 122249

Ion Ratio Lower Upper

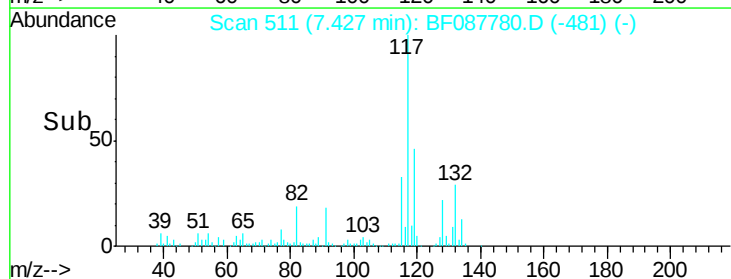
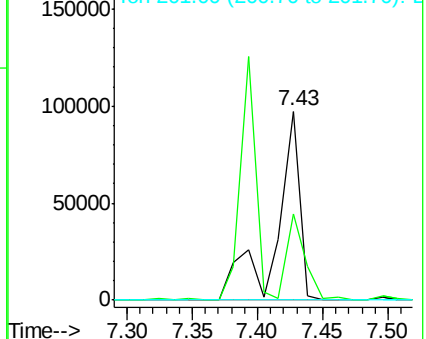
117 100

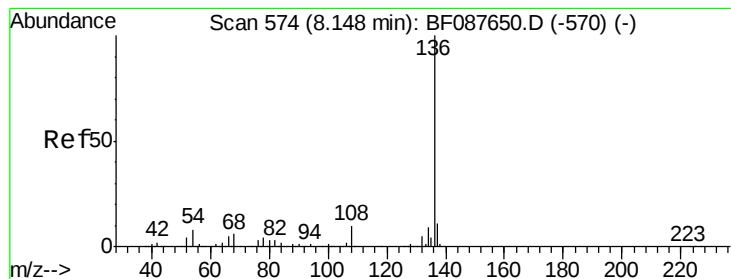
119 45.8 77.4 116.2#

201 0.0 80.4 120.6#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 387739

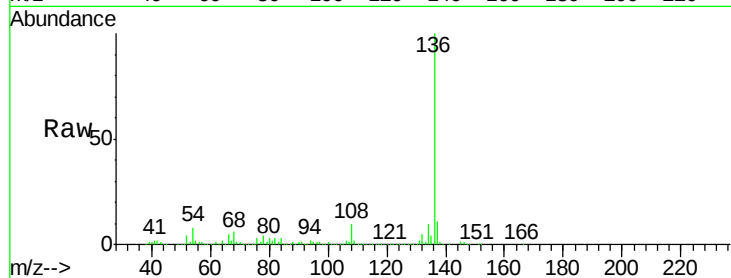
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.6 6.6 10.0

68 6.2 5.1 7.7

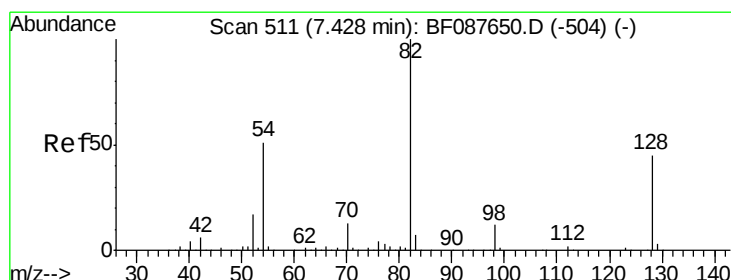
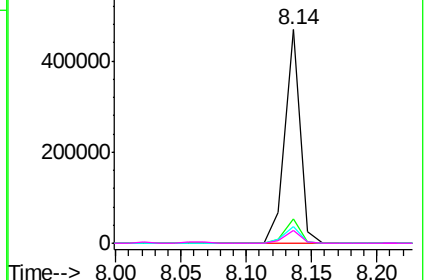
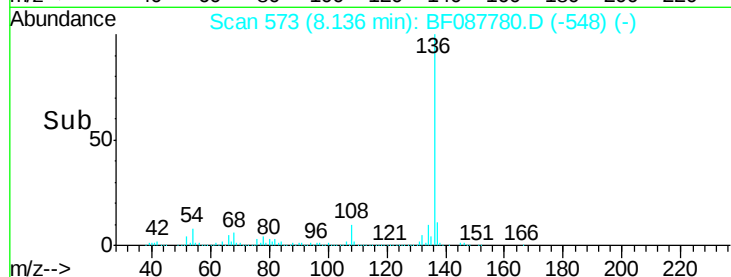


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.79 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

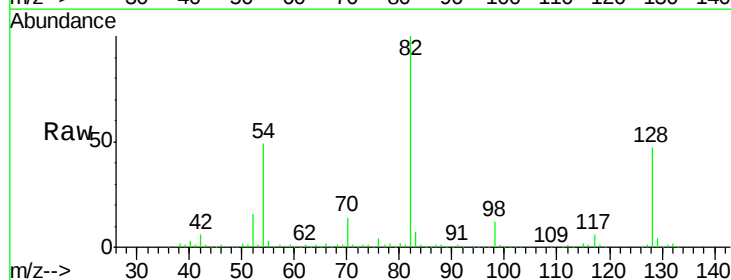
Tgt Ion: 82 Resp: 541461

Ion Ratio Lower Upper

82 100

128 47.1 35.9 53.9

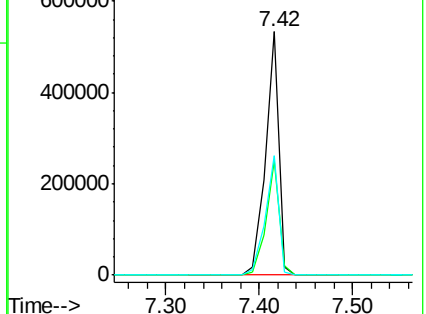
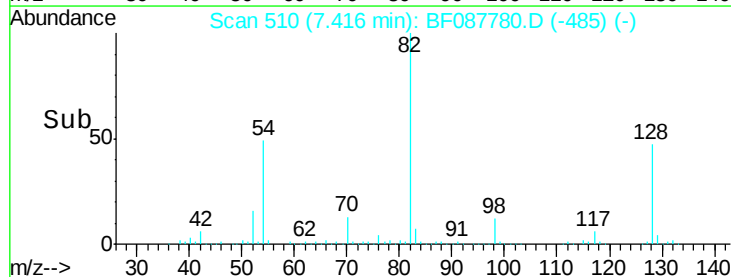
54 49.0 40.9 61.3

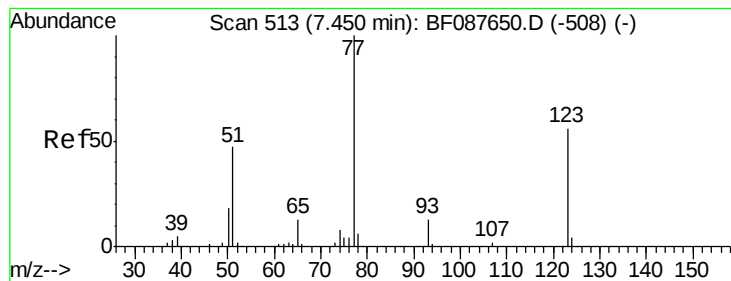


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.02 ng

RT: 7.39 min Scan# 508

Delta R.T. -0.06 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

Instrument :

BNA_F

ClientSampled :

W-15

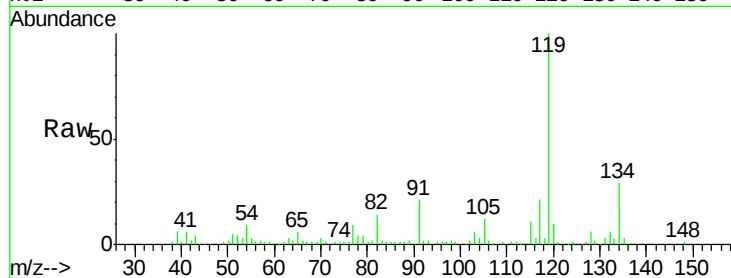
Tgt Ion: 77 Resp: 13540

Ion Ratio Lower Upper

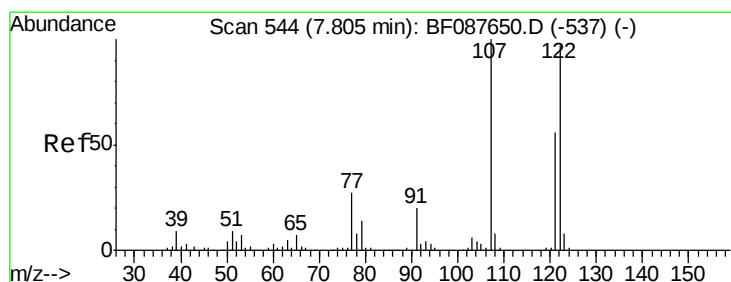
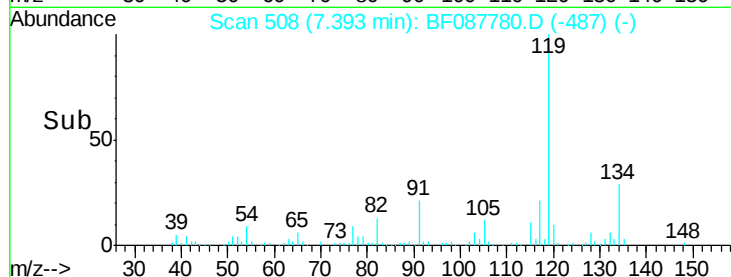
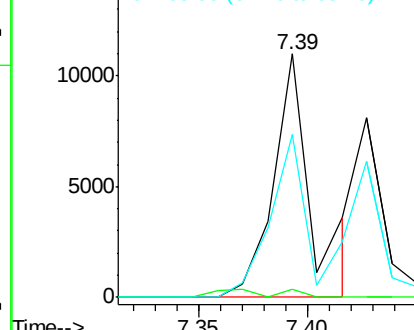
77 100

123 3.2 45.0 67.4#

65 66.8 10.2 15.2#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BF0



#27

2,4-Dimethylphenol

Concen: 8.44 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.01 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

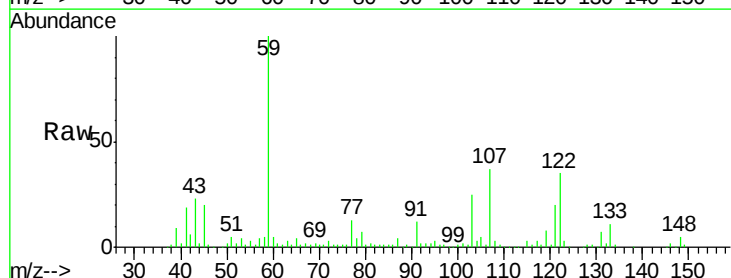
Tgt Ion: 122 Resp: 54513

Ion Ratio Lower Upper

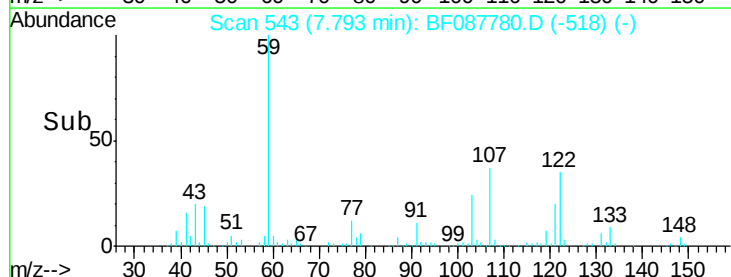
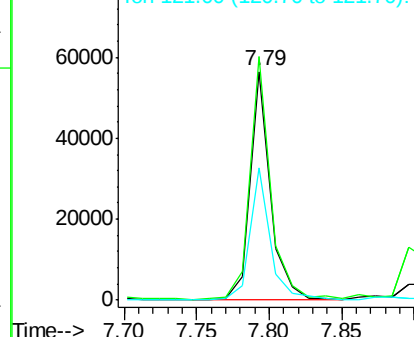
122 100

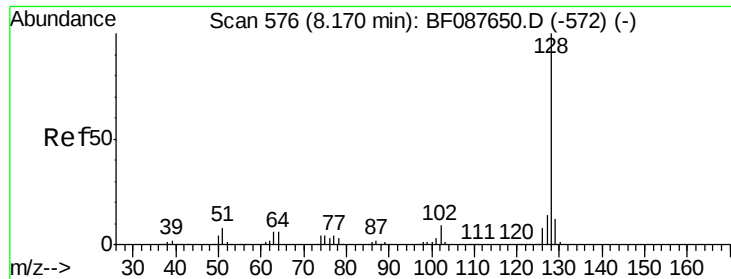
107 106.7 82.4 123.6

121 58.0 46.3 69.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

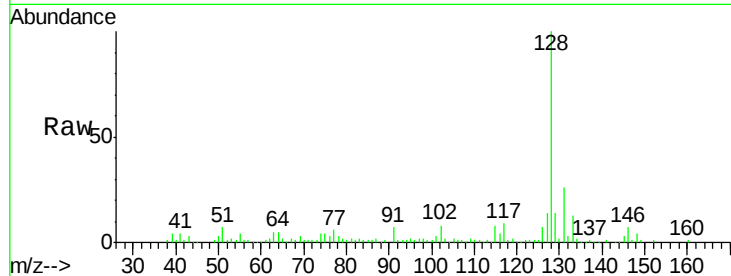




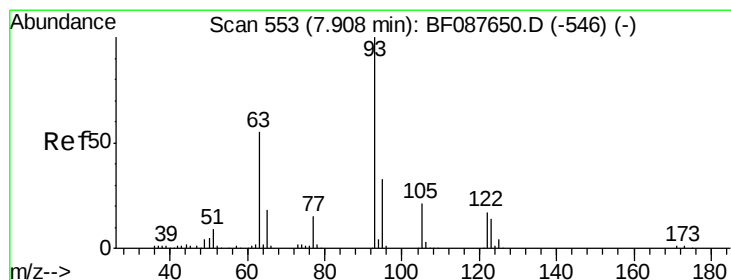
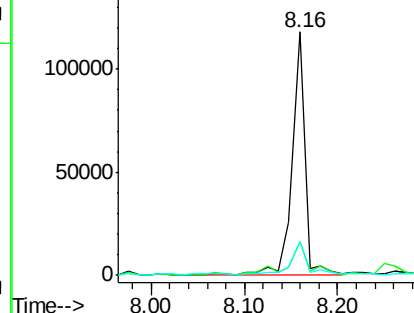
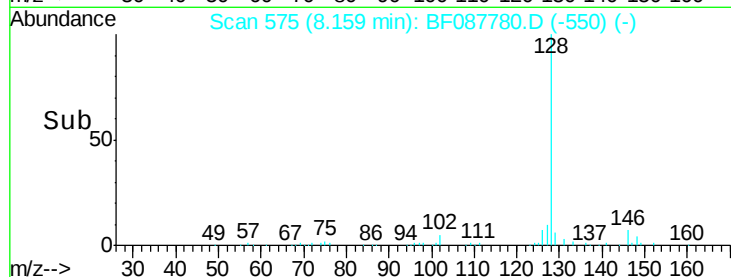
#31
Naphthalene
Concen: 5.98 ng
RT: 8.16 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:128 Resp: 112718
Ion Ratio Lower Upper
128 100
129 13.9 9.4 14.2
127 13.7 10.9 16.3

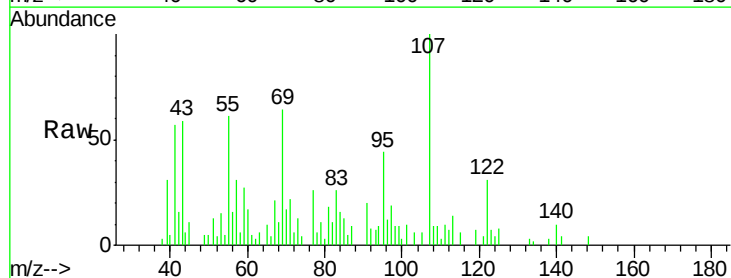


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

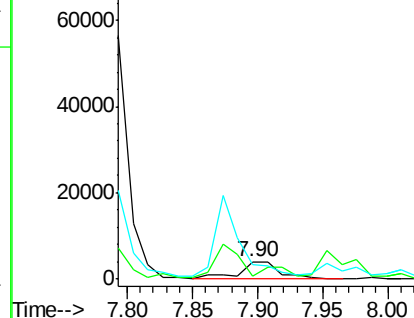
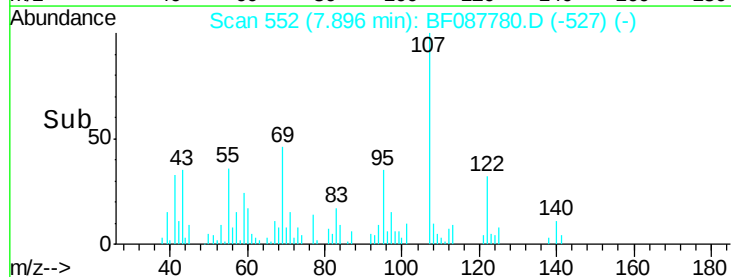


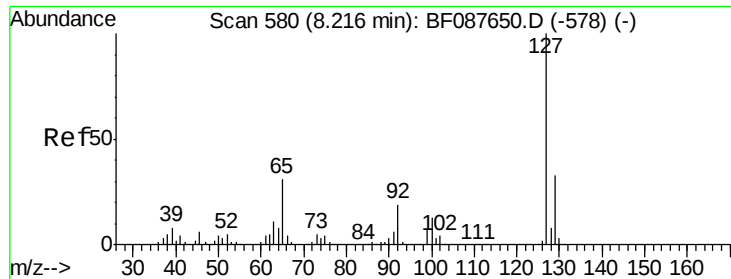
#32
Benzoic acid
Concen: 2.31 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

Tgt Ion:122 Resp: 8982
Ion Ratio Lower Upper
122 100
105 19.8 101.6 141.6#
77 83.8 70.6 110.6



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

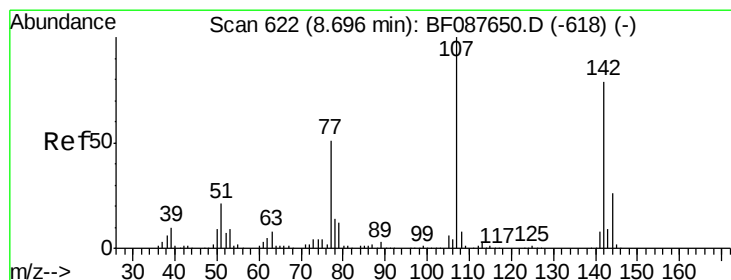
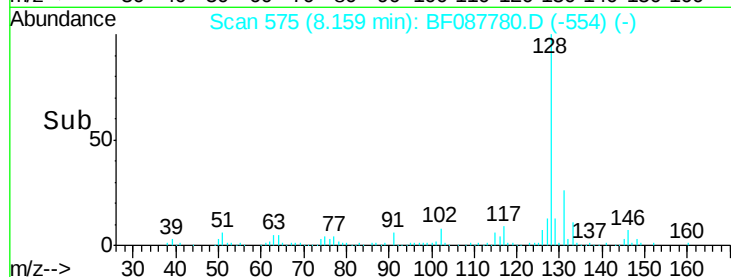
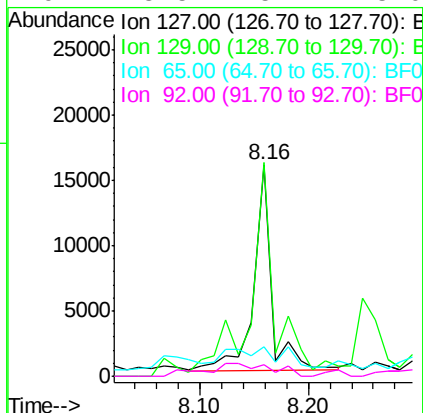
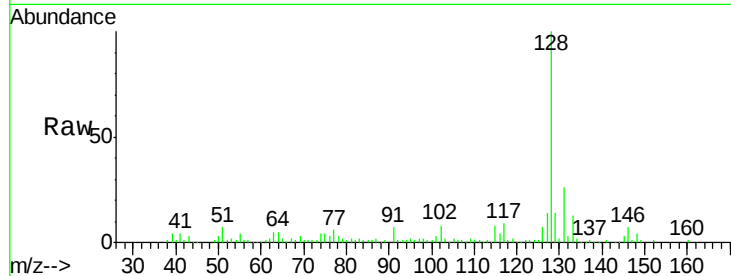




#33
4-Chloroaniline
Concen: 2.29 ng
RT: 8.16 min Scan# 575
Delta R.T. -0.06 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

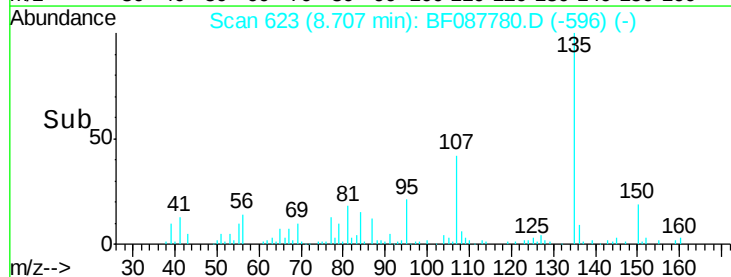
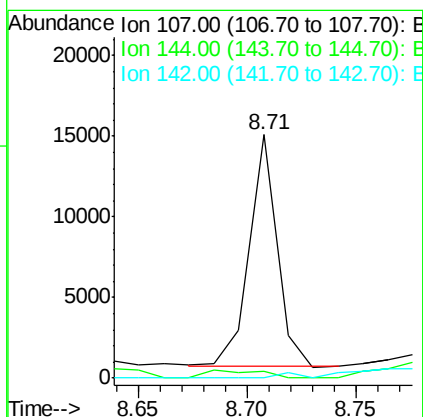
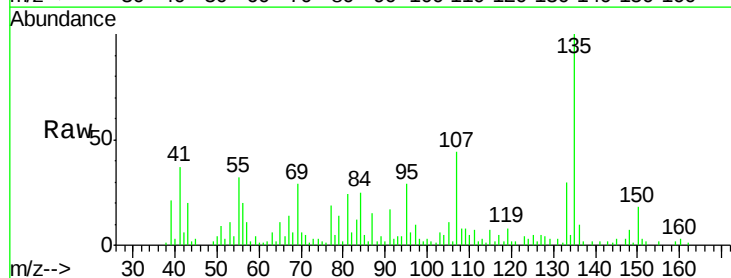
Instrument :
BNA_F
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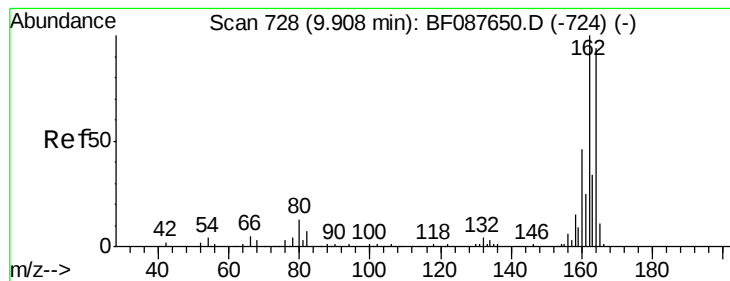
Tgt Ion:	127	Resp:	18721
Ion	Ratio	Lower	Upper
127	100		
129	101.0	26.3	39.5#
65	14.2	24.7	37.1#
92	5.5	15.4	23.0#



#36
4-Chloro-3-methylphenol
Concen: 2.31 ng
RT: 8.71 min Scan# 623
Delta R.T. 0.01 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

Tgt Ion:	107	Resp:	12657
Ion	Ratio	Lower	Upper
107	100		
144	3.0	20.8	31.2#
142	0.0	63.4	95.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

Instrument :

BNA_F

ClientSampleId :

W-15

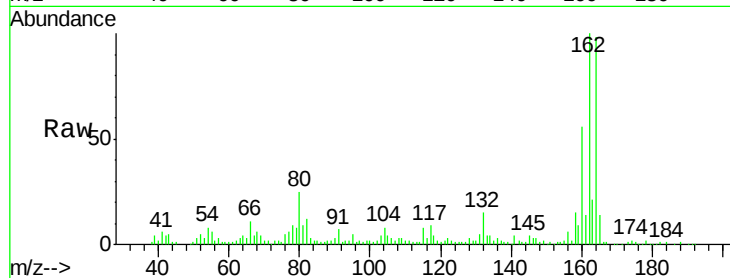
Tgt Ion:164 Resp: 152189

Ion Ratio Lower Upper

164 100

162 102.4 85.4 128.2

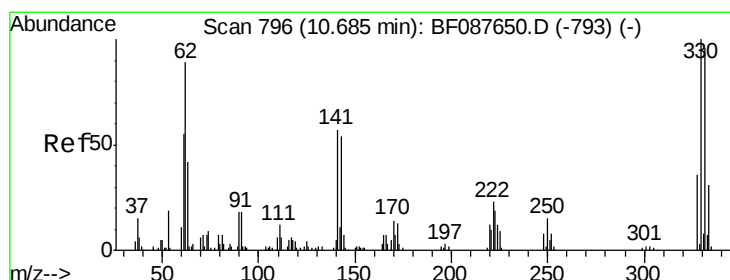
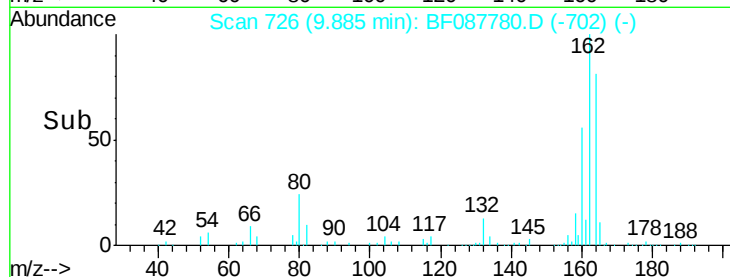
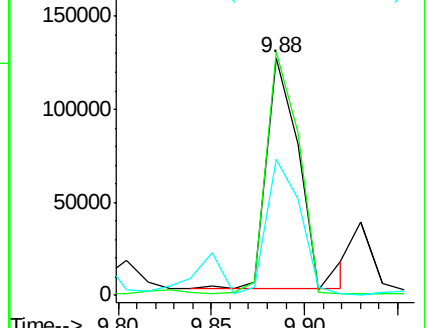
160 57.0 39.5 59.3



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: 135.21 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

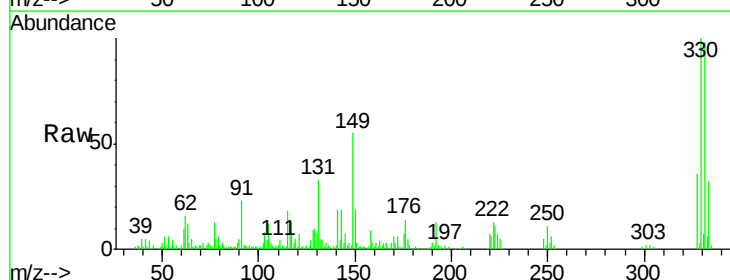
Tgt Ion:330 Resp: 206560

Ion Ratio Lower Upper

330 100

332 97.3 0.0 0.0#

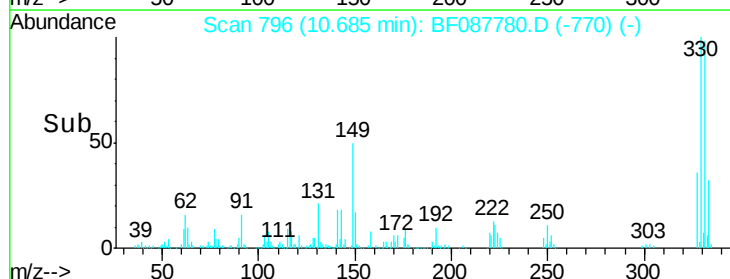
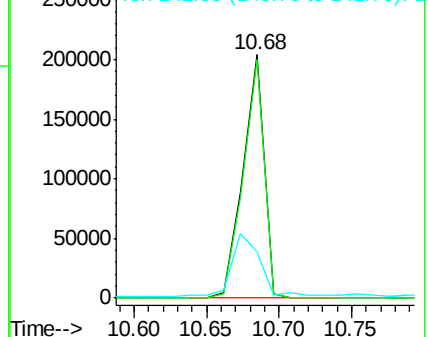
141 34.8 0.0 0.0#

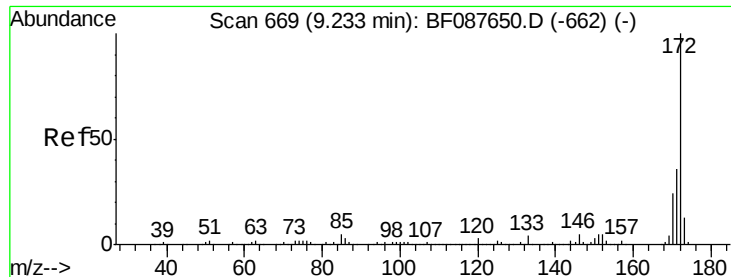


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

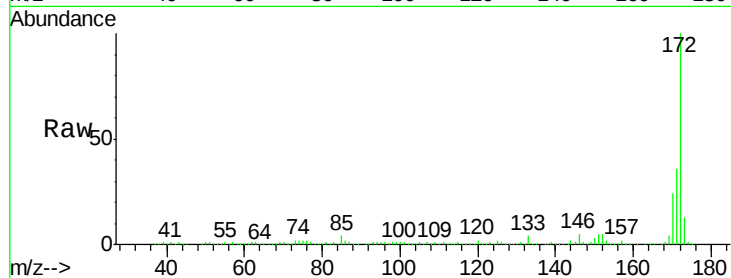




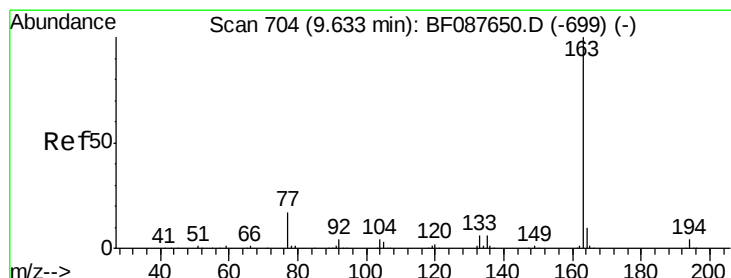
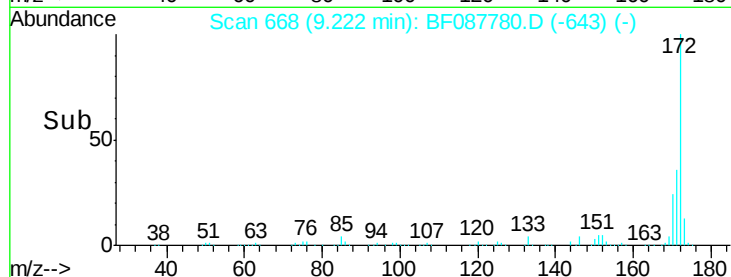
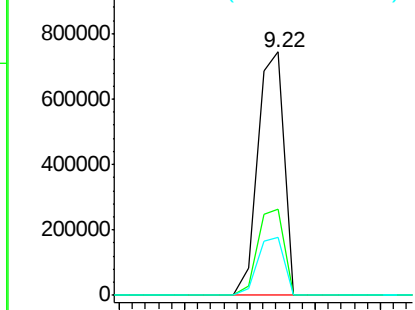
#44
2-Fluorobiphenyl
Concen: 123.46 ng
RT: 9.22 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

Instrument :
BNA_F
ClientSampleId :
W-15

Tgt Ion:172 Resp: 1043214
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.8 19.2 28.8

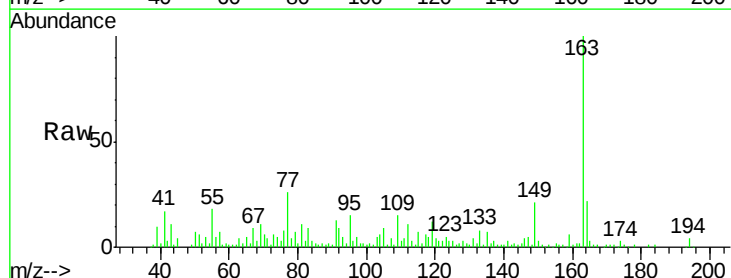


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

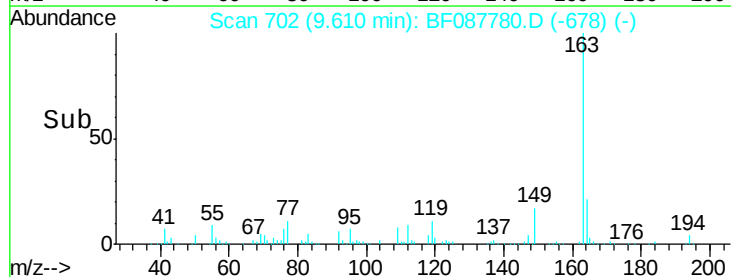
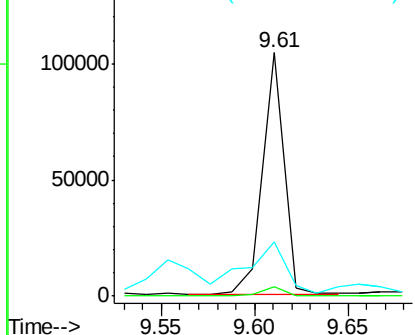


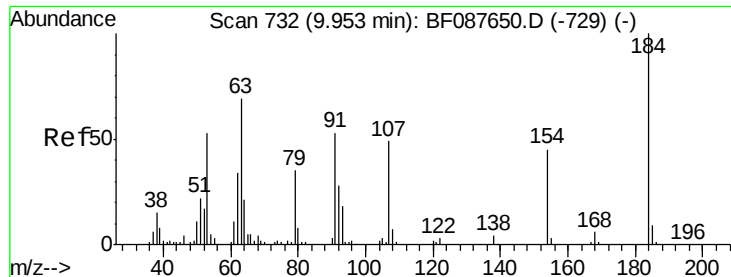
#49
Dimethylphthalate
Concen: 7.33 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

Tgt Ion:163 Resp: 81139
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 22.3 8.3 12.5#



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

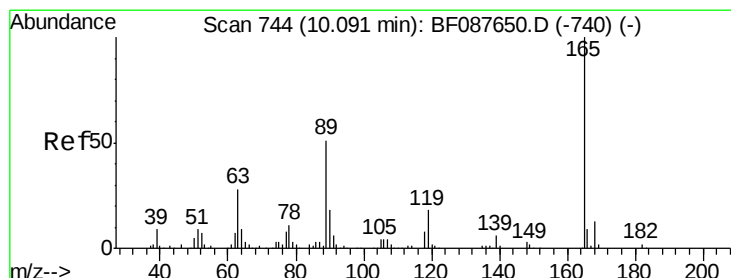
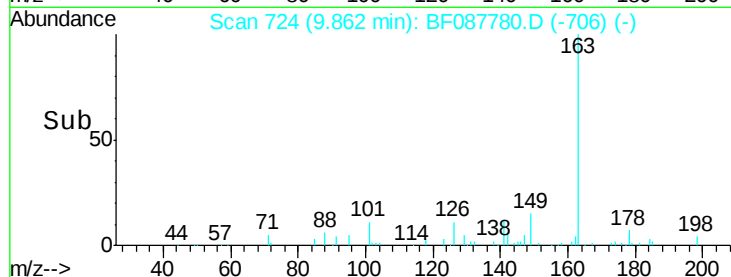
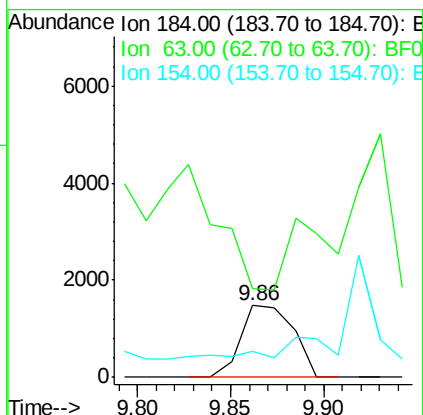
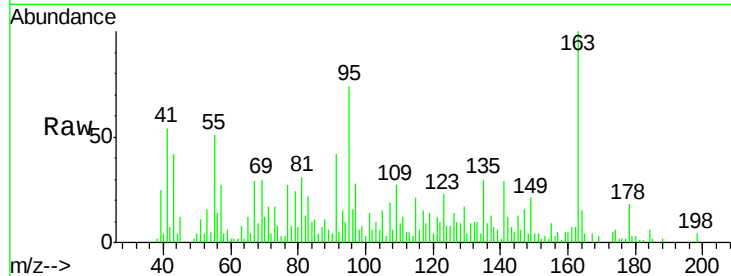




#53
2,4-Dinitrophenol
Concen: 6.26 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.09 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

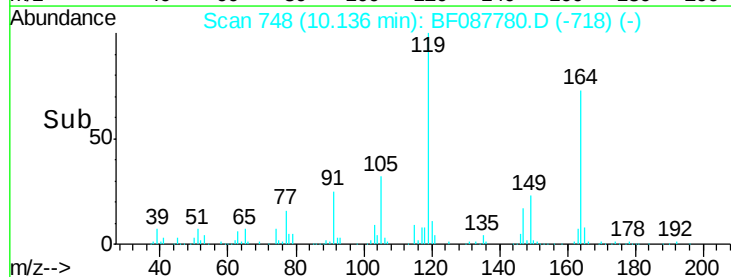
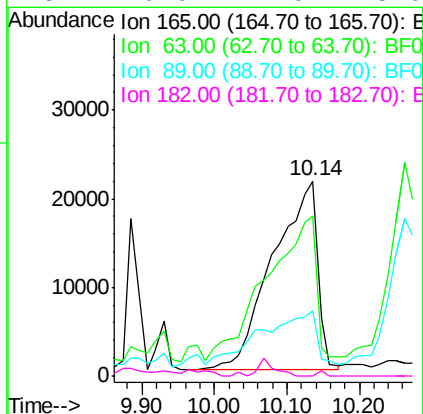
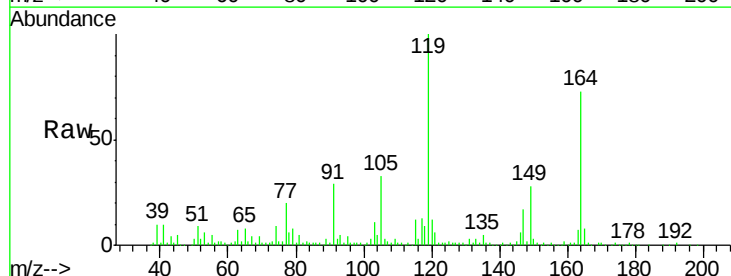
Instrument :
BNA_F
ClientSampleId :
W-15

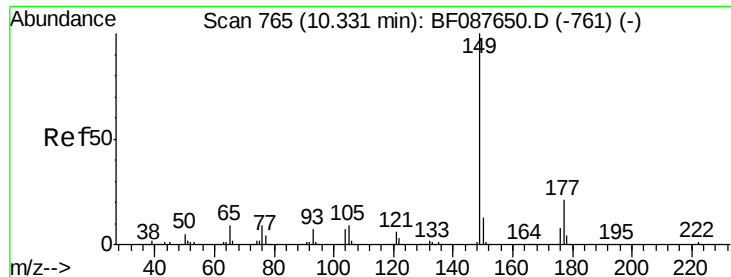
Tgt Ion:184 Resp: 2864
Ion Ratio Lower Upper
184 100
63 123.6 57.6 86.4#
154 35.7 53.5 80.3#



#56
2,4-Dinitrotoluene
Concen: 28.29 ng
RT: 10.14 min Scan# 748
Delta R.T. 0.05 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

Tgt Ion:165 Resp: 90700
Ion Ratio Lower Upper
165 100
63 81.9 22.0 33.0#
89 33.8 41.1 61.7#
182 0.0 2.0 3.0#

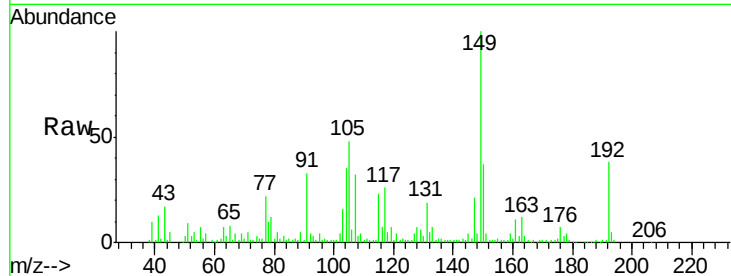




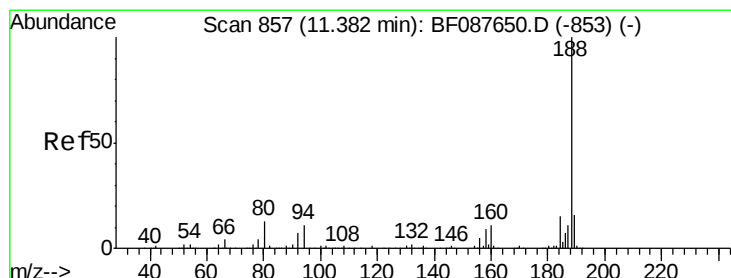
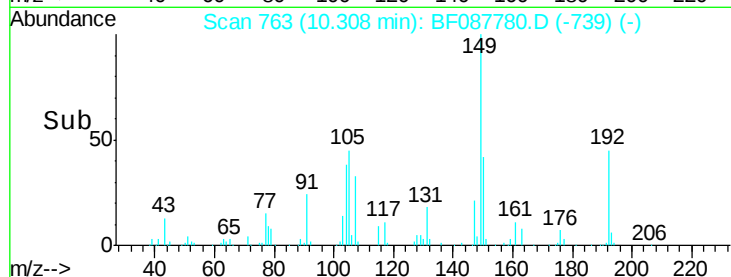
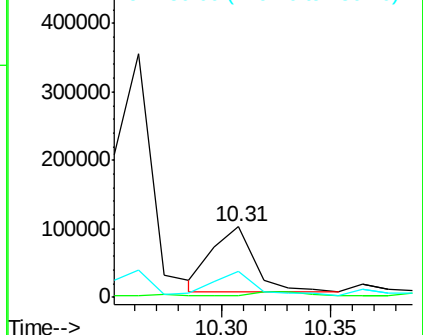
#59
Diethylphthalate
Concen: 11.33 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.02 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

Instrument :
BNA_F
ClientSampleId :
W-15

Tgt Ion:149 Resp: 125870
Ion Ratio Lower Upper
149 100
177 3.1 16.9 25.3#
150 37.3 10.1 15.1#

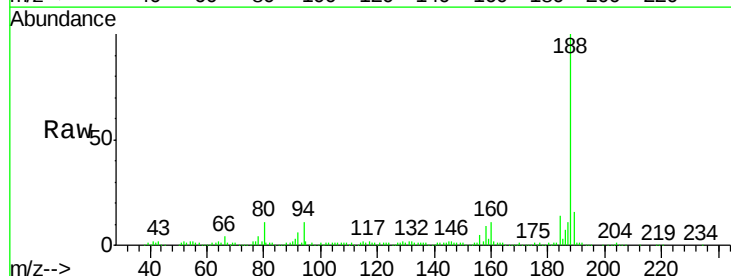


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

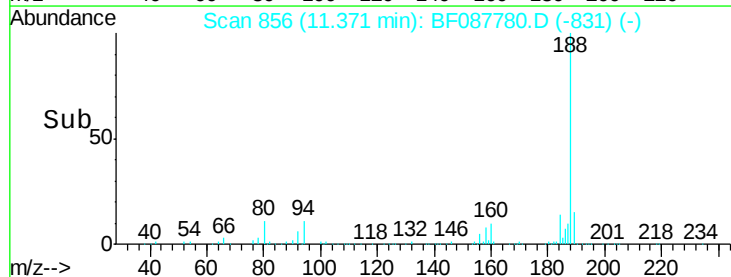
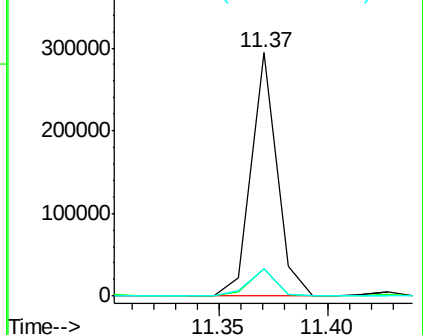


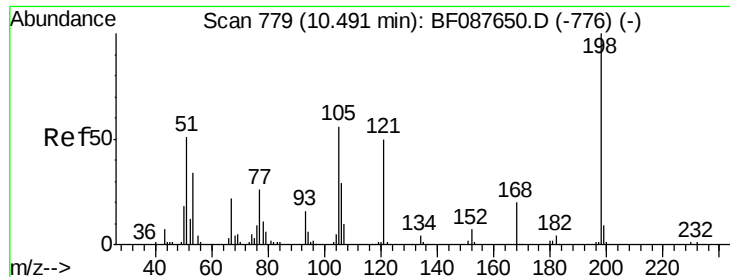
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

Tgt Ion:188 Resp: 241249
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 11.4 10.0 15.0



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

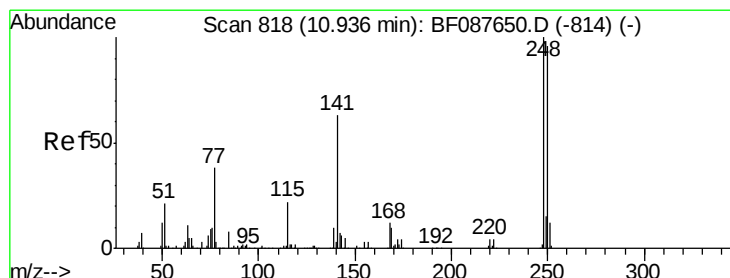
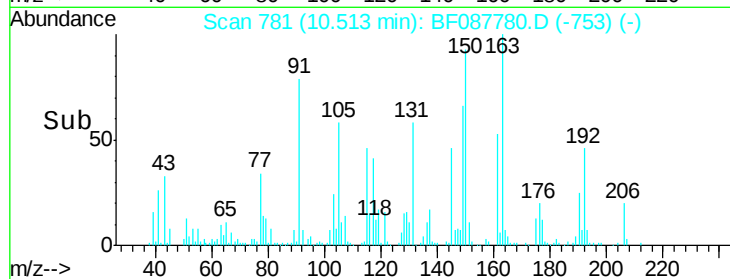
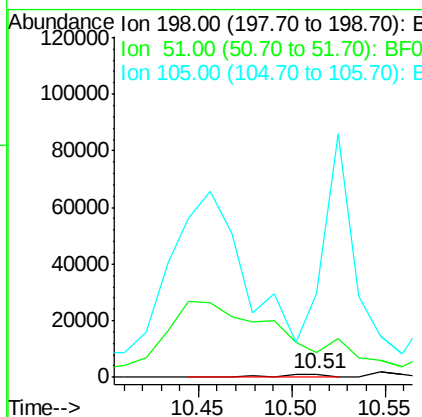
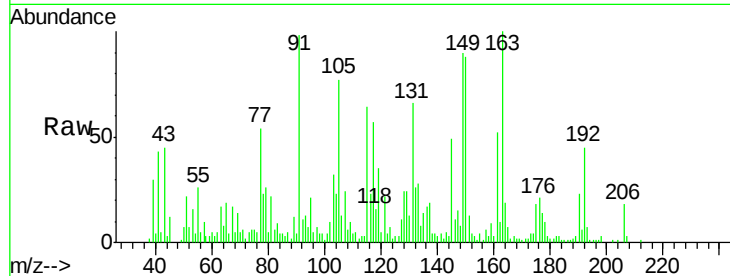




#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.55 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.02 min
 Lab File: BF087780.D
 Acq: 7 Jun 2016 7:29

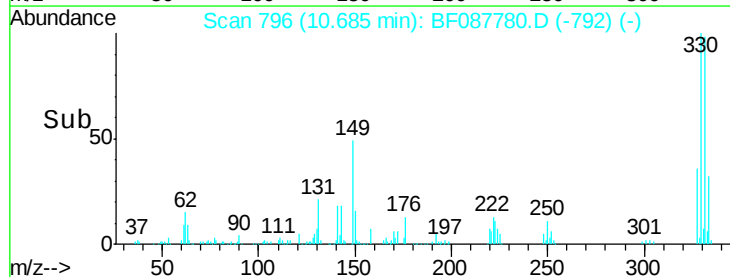
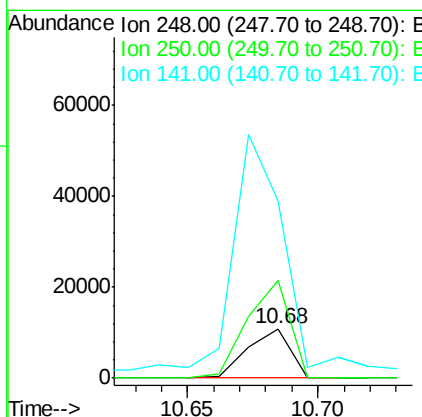
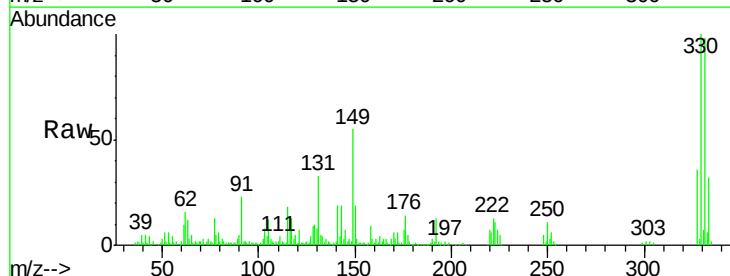
Instrument :
 BNA_F
 ClientSampled :
 W-15

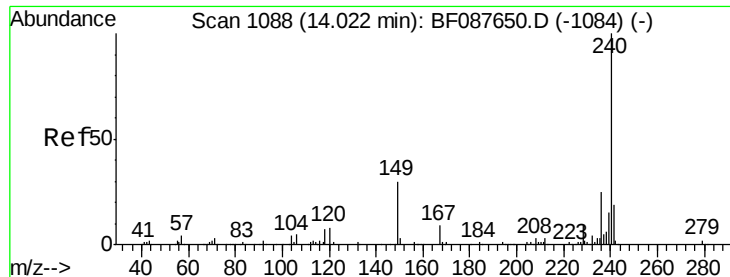
Tgt Ion:198 Resp: 2144
 Ion Ratio Lower Upper
 198 100
 51 763.0 39.6 79.6#
 105 2656.4 36.6 76.6#



#66
 4-Bromophenyl-phenylether
 Concen: 5.25 ng
 RT: 10.68 min Scan# 796
 Delta R.T. -0.25 min
 Lab File: BF087780.D
 Acq: 7 Jun 2016 7:29

Tgt Ion:248 Resp: 12565
 Ion Ratio Lower Upper
 248 100
 250 197.5 77.1 115.7#
 141 358.8 50.6 76.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

Instrument :

BNA_F

ClientSampleId :

W-15

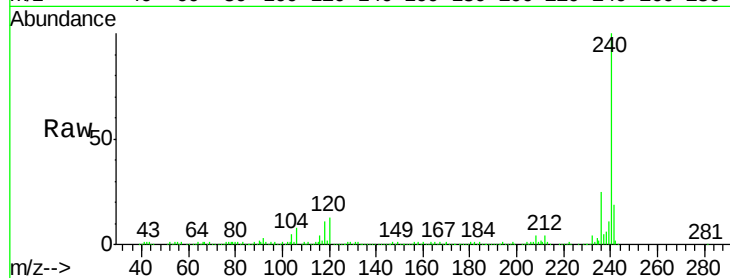
Tgt Ion:240 Resp: 197839

Ion Ratio Lower Upper

240 100

120 12.5 6.8 10.2#

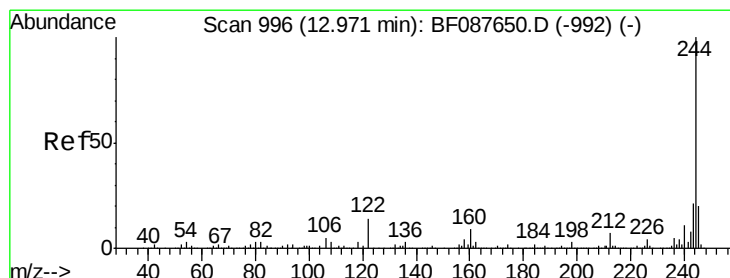
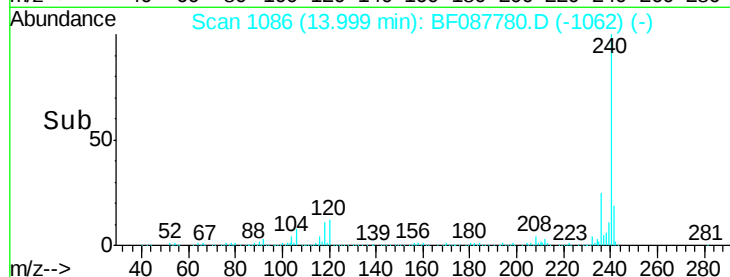
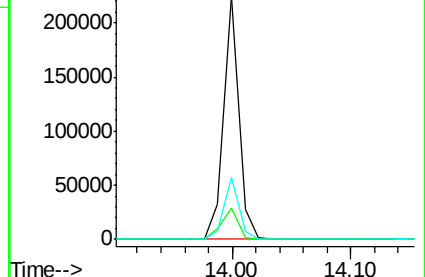
236 25.2 20.2 30.2



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



#78

Terphenyl-d14

Concen: 82.06 ng

RT: 12.96 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF087780.D

Acq: 7 Jun 2016 7:29

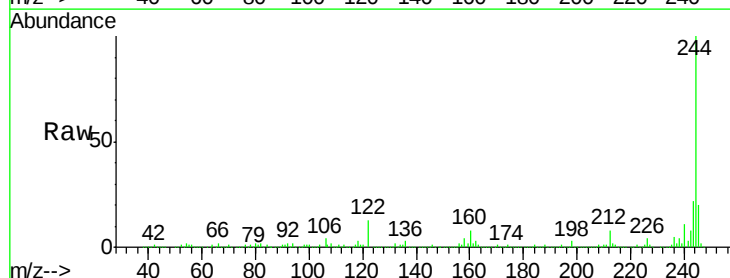
Tgt Ion:244 Resp: 665327

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

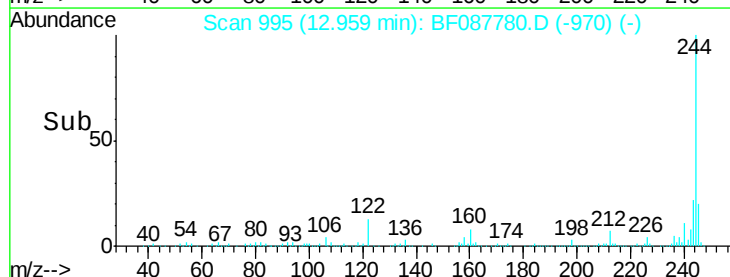
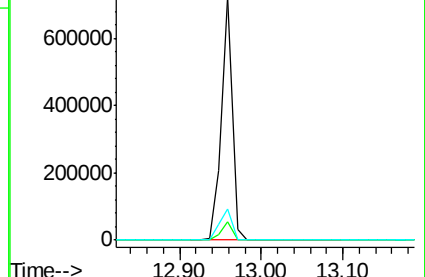
122 12.9 11.2 16.8

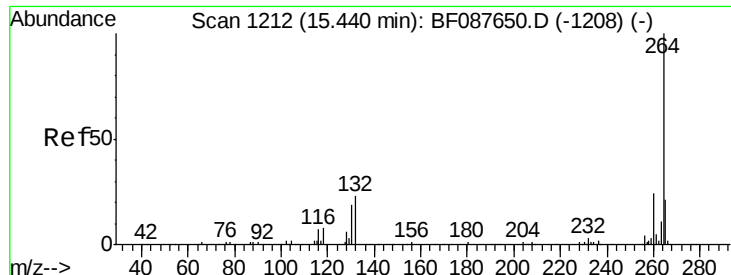


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

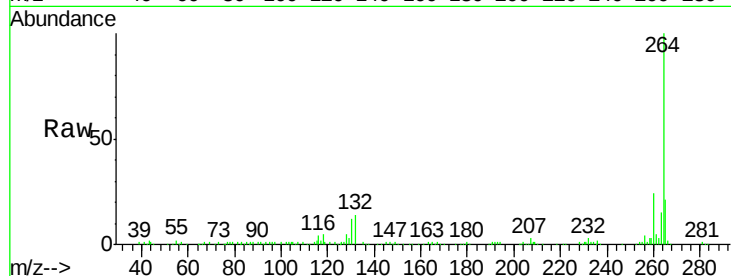




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF087780.D
Acq: 7 Jun 2016 7:29

Instrument :
BNA_F
ClientSampleId :
W-15

Tgt Ion:	264	Resp:	141689
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.7	16.9	25.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

