

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087954.D
 Acq On : 12 Jun 2016 18:04
 Operator : UM/SJ
 Sample : H3490-05
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-03

Quant Time: Jun 13 04:59:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 02:17:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	114350	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	472560	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	206518	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	381091	20.00	ng	0.00
75) Chrysene-d12	13.95	240	286597	20.00	ng	-0.01
86) Perylene-d12	15.37	264	235437	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	358937	53.66	ng	-0.01
7) Phenol-d6	6.43	99	374033	46.14	ng	-0.01
23) Nitrobenzene-d5	7.37	82	580708	71.76	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	236955	108.66	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1160459	88.50	ng	0.00
78) Terphenyl-d14	12.91	244	852294	67.67	ng	-0.01

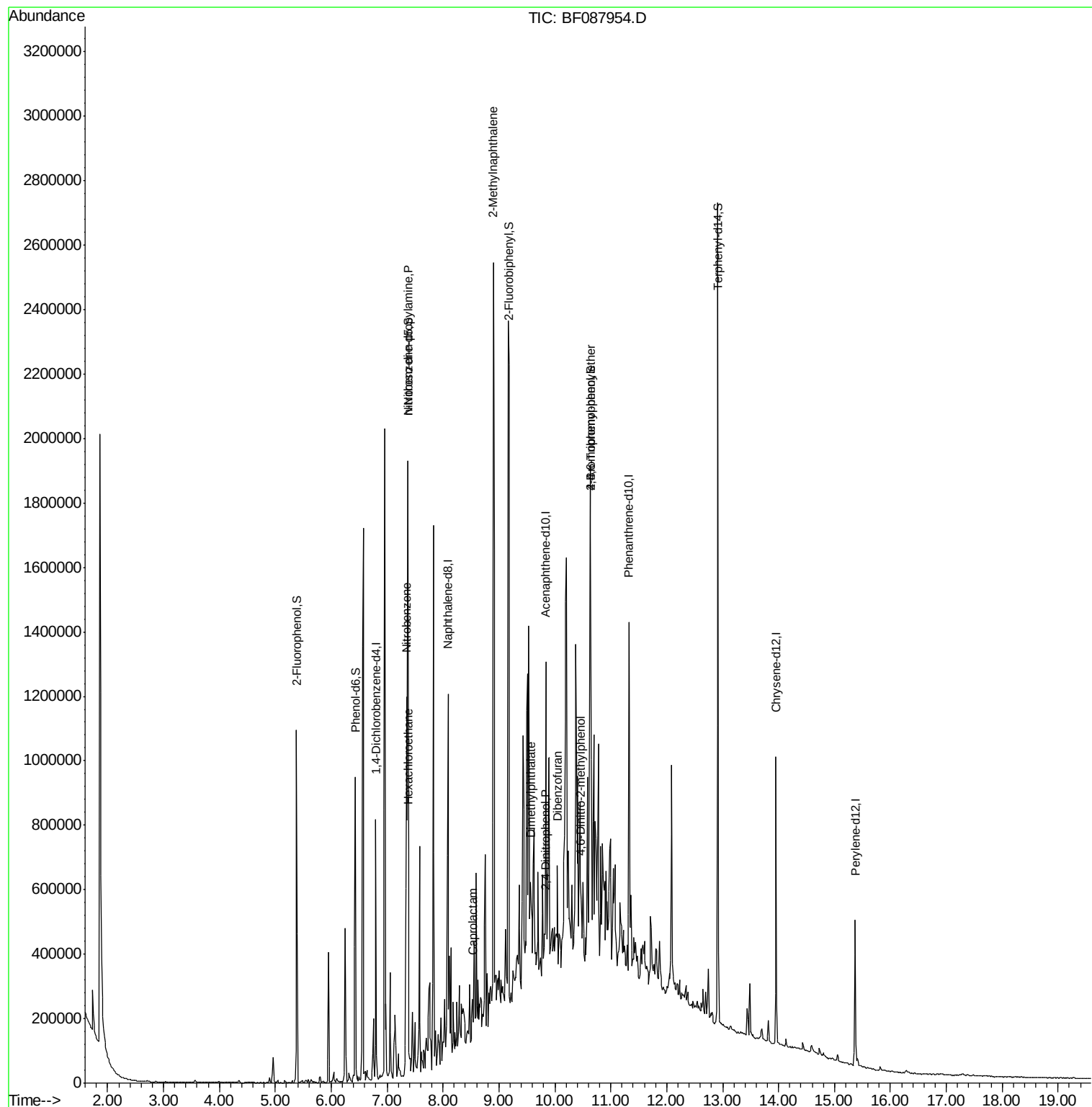
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	1045	Below Cal		84
18) Hexachloroethane	7.38	117	295672	97.37	ng	# 49
19) n-Nitroso-di-n-propylamine	7.37	70	82165	15.84	ng	# 72
24) Nitrobenzene	7.35	77	38856	4.96	ng	# 17
35) Caprolactam	8.52	113	5179	2.42	ng	# 44
37) 2-Methylnaphthalene	8.90	142	917472	59.52	ng	# 93
45) 1,1'-Biphenyl	9.26	154	707	Below Cal		# 1
49) Dimethylphthalate	9.56	163	31893	2.13	ng	# 63
53) 2,4-Dinitrophenol	9.83	184	933	3.71	ng	# 8
54) Dibenzofuran	10.04	168	49591	2.72	ng	# 81
57) Fluorene	10.39	166	32852	Below Cal		# 96
64) 4,6-Dinitro-2-methylphenol	10.47	198	2857	3.31	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	15534	3.80	ng	# 1

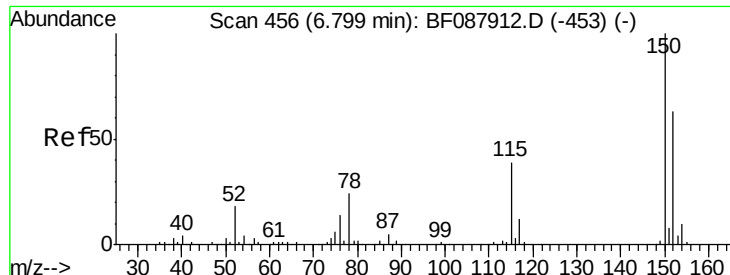
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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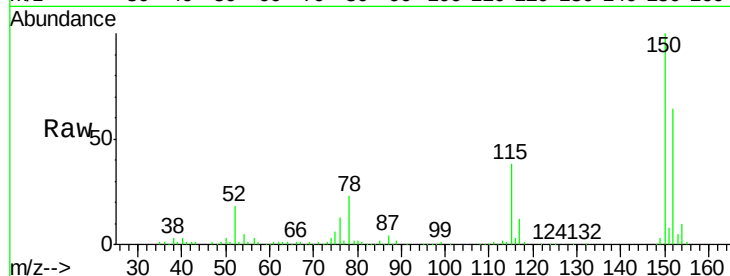


#1

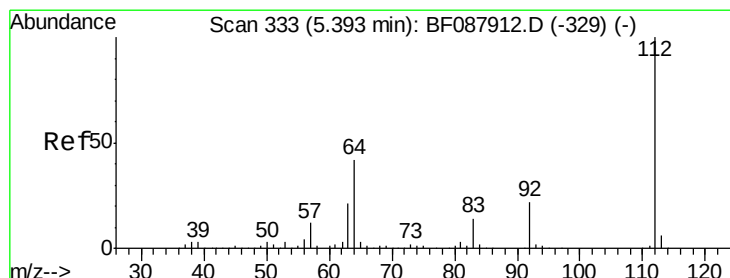
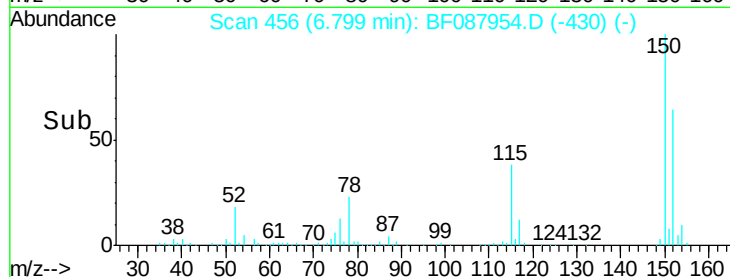
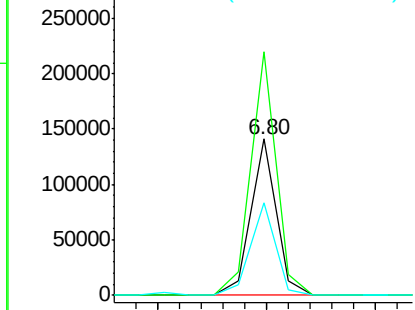
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.00 min
Lab File: BF087954.D
Acq: 12 Jun 2016 18:04

Instrument :
BNA_F
ClientSampleId :
W-03

Tgt Ion:152 Resp: 114350
Ion Ratio Lower Upper
152 100
150 155.8 123.8 185.6
115 59.1 39.6 59.4



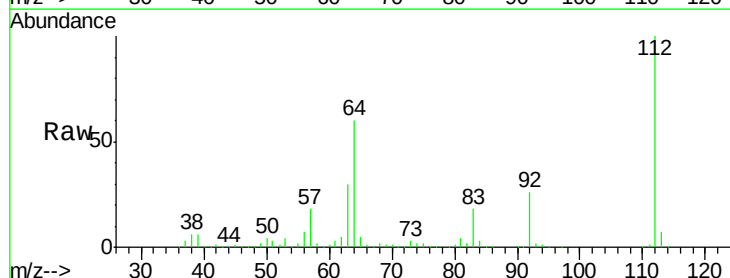
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



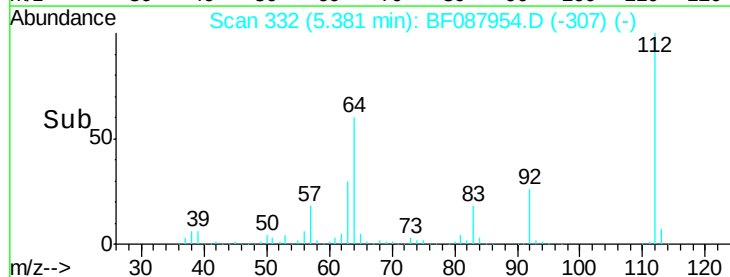
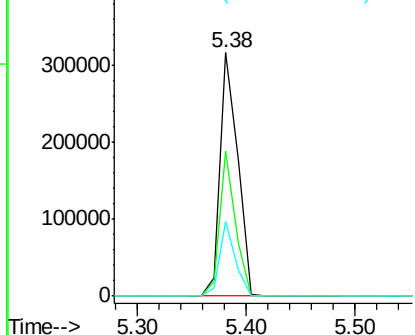
#5

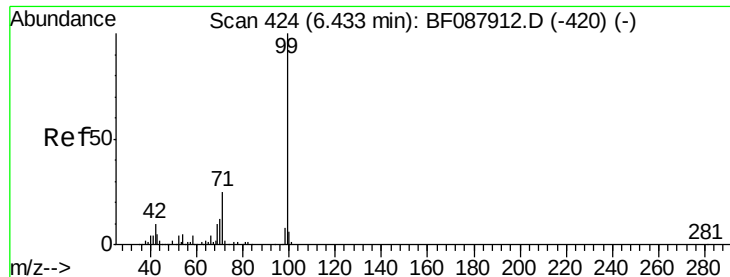
2-Fluorophenol
Concen: 53.66 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.01 min
Lab File: BF087954.D
Acq: 12 Jun 2016 18:04

Tgt Ion:112 Resp: 358937
Ion Ratio Lower Upper
112 100
64 59.8 42.2 63.2
63 30.4 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: 46.14 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

Instrument :

BNA_F

ClientSampleId :

W-03

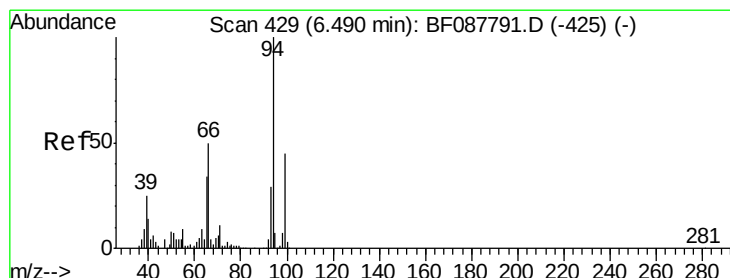
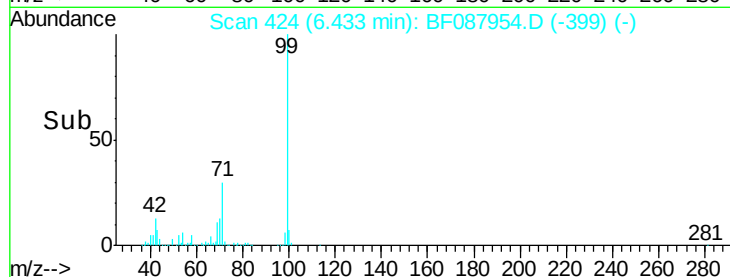
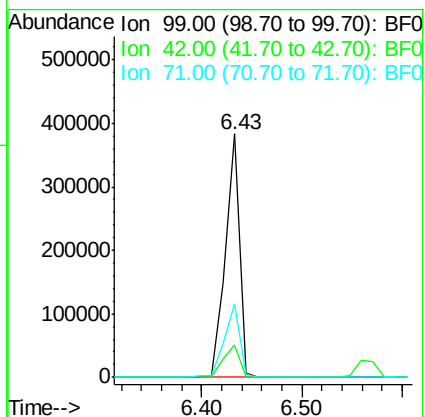
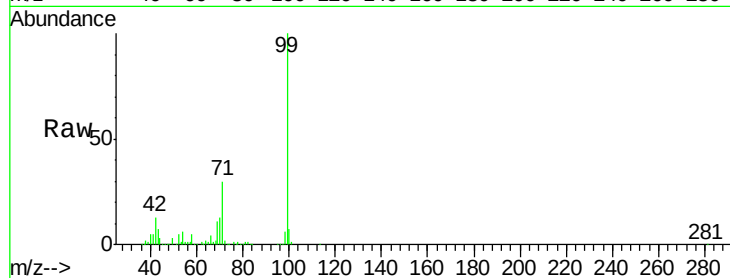
Tgt Ion: 99 Resp: 374033

Ion Ratio Lower Upper

99 100

42 13.2 12.2 18.2

71 30.3 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

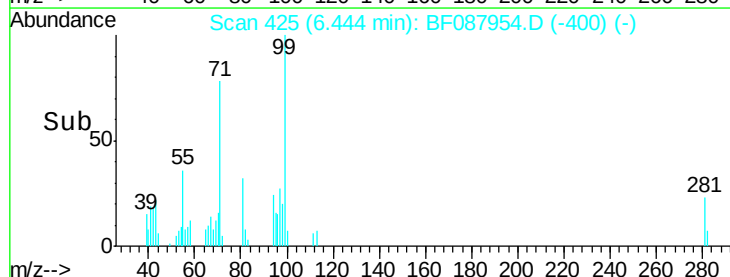
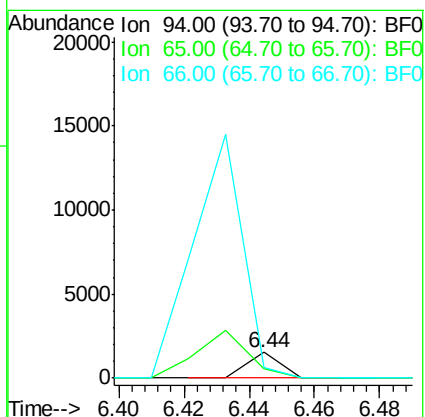
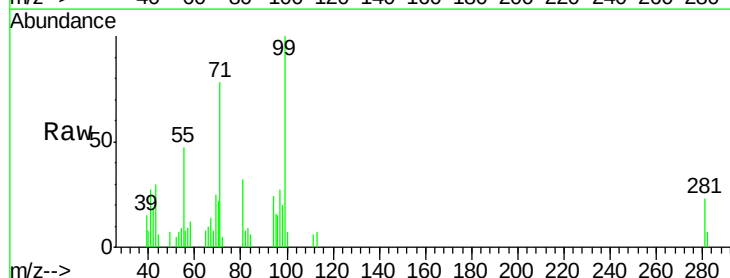
Tgt Ion: 94 Resp: 1045

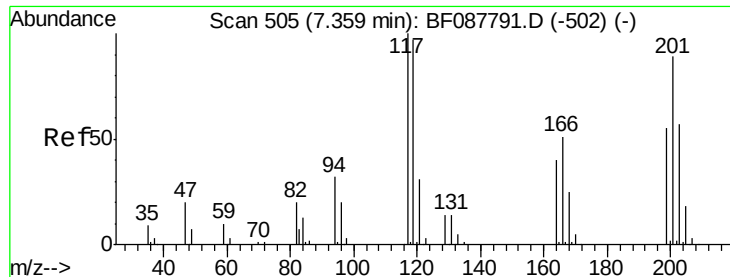
Ion Ratio Lower Upper

94 100

65 34.7 5.9 45.9

66 42.9 14.0 54.0

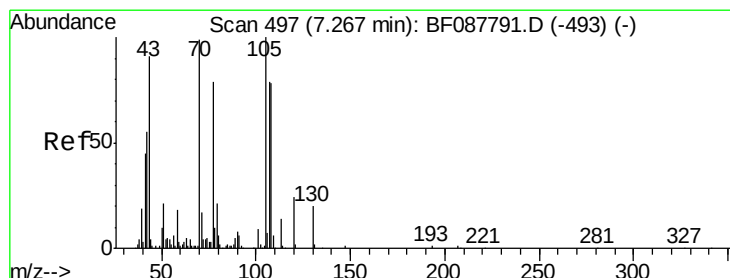
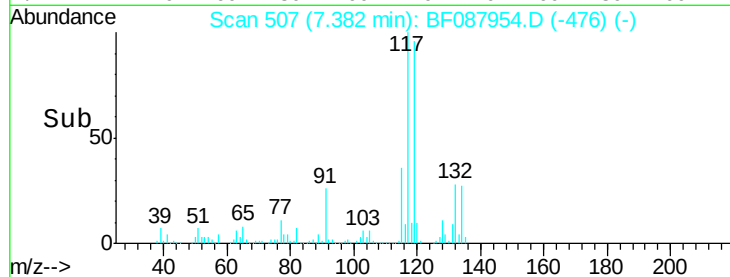
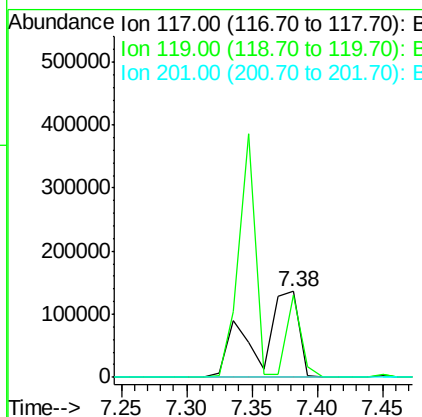
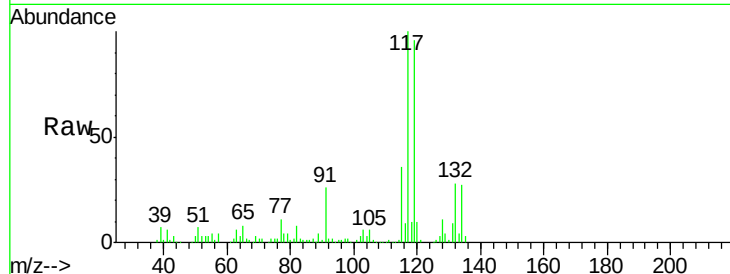




#18
Hexachloroethane
Concen: 97.37 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.06 min
Lab File: BF087954.D
Acq: 12 Jun 2016 18:04

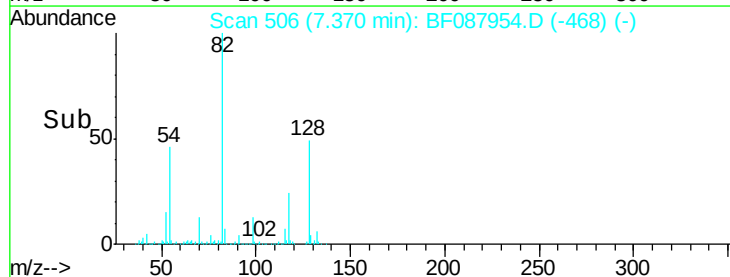
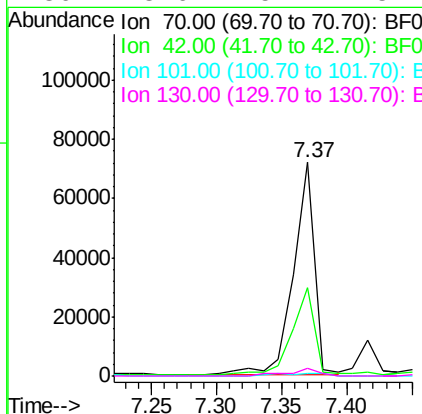
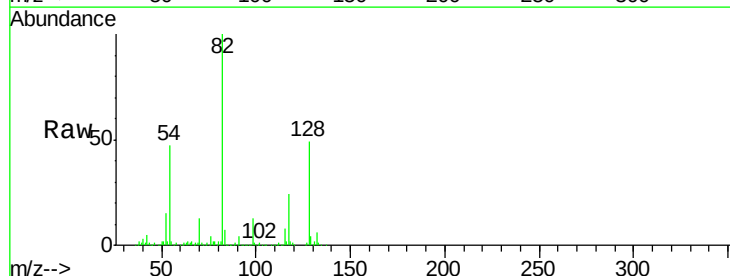
Instrument :
BNA_F
ClientSampled :
W-03

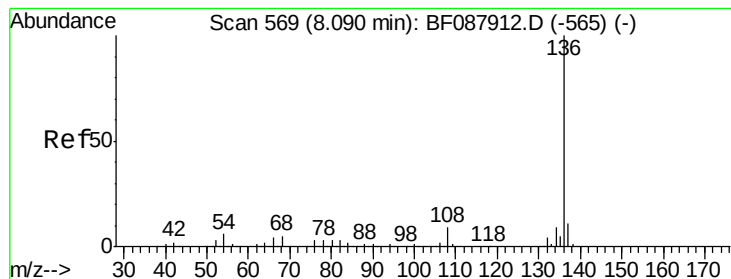
Tgt Ion: 117 Resp: 295672
Ion Ratio Lower Upper
117 100
119 96.4 77.4 116.2
201 0.0 80.4 120.6#



#19
n-Nitroso-di-n-propylamine
Concen: 15.84 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF087954.D
Acq: 12 Jun 2016 18:04

Tgt Ion: 70 Resp: 82165
Ion Ratio Lower Upper
70 100
42 41.1 49.6 74.4#
101 1.1 7.1 10.7#
130 3.6 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

Instrument :

BNA_F

ClientSampleId :

W-03

Tgt Ion:136 Resp: 472560

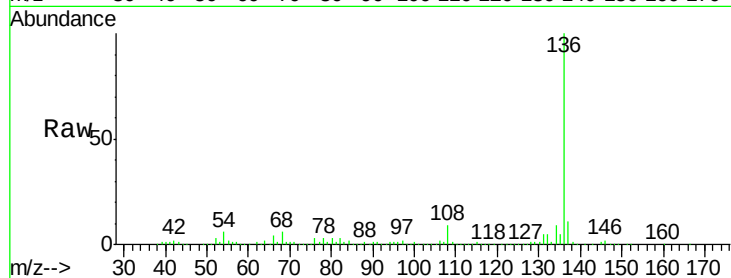
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.4 6.6 10.0#

68 5.6 5.1 7.7

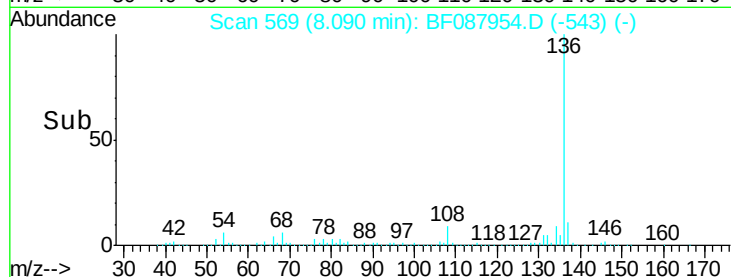


Abundance Ion 136.00 (135.70 to 136.70): E

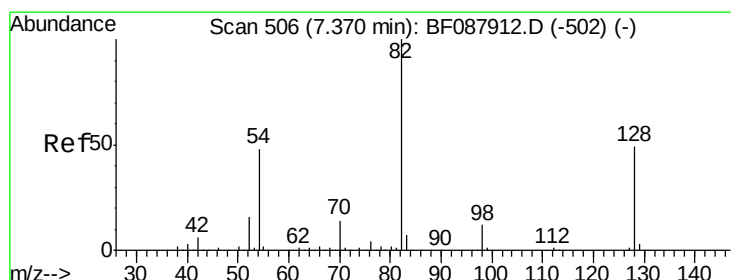
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 71.76 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

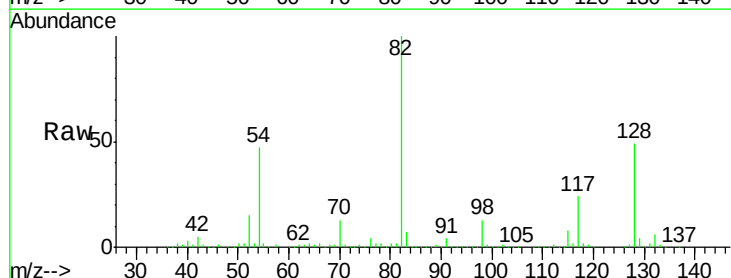
Tgt Ion: 82 Resp: 580708

Ion Ratio Lower Upper

82 100

128 49.3 35.9 53.9

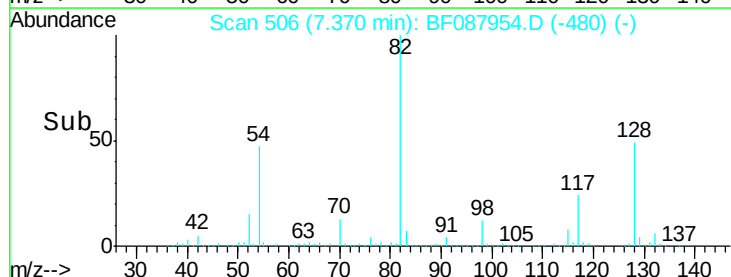
54 46.6 40.9 61.3



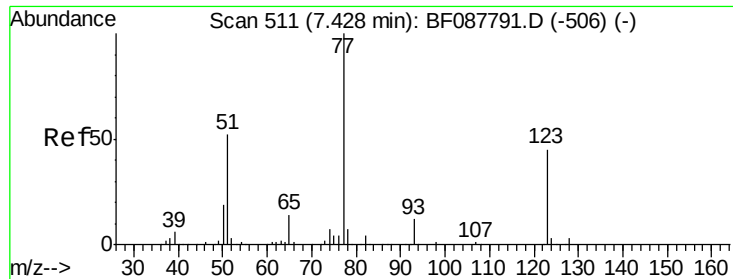
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



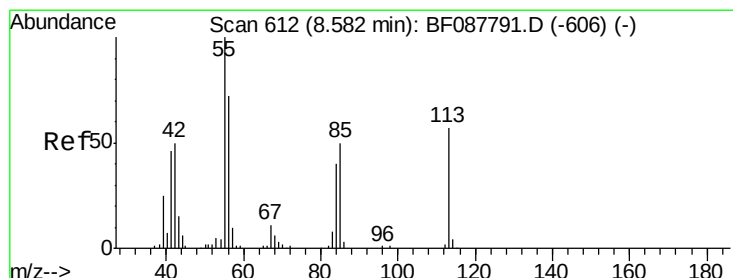
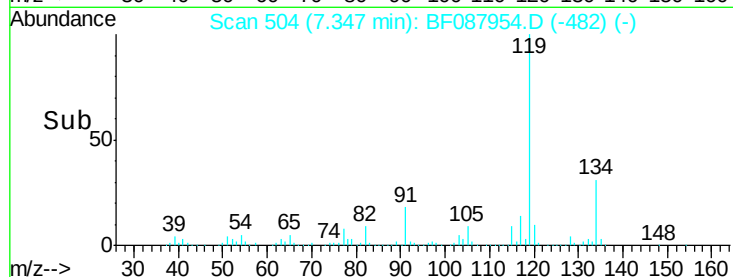
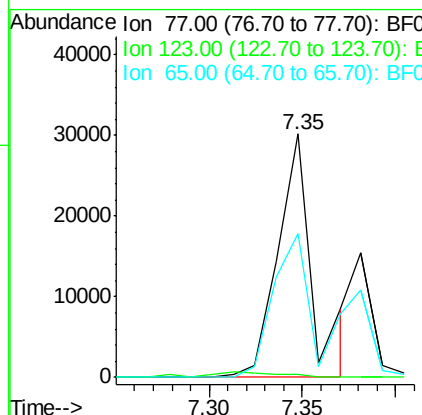
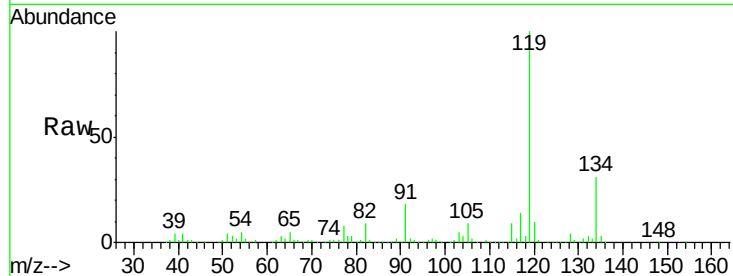
Time-->



#24
Nitrobenzene
Concen: 4.96 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.05 min
Lab File: BF087954.D
Acq: 12 Jun 2016 18:04

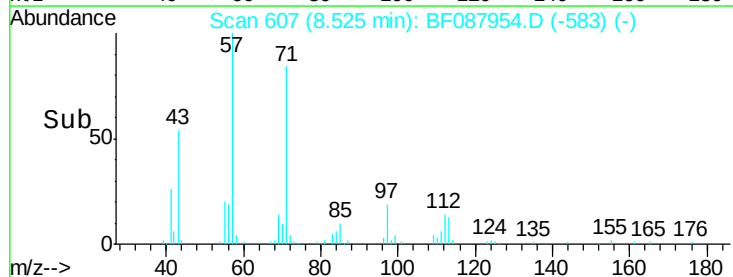
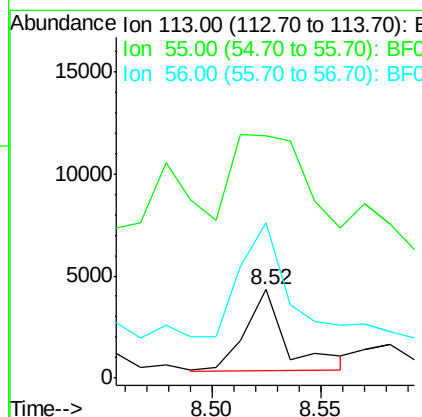
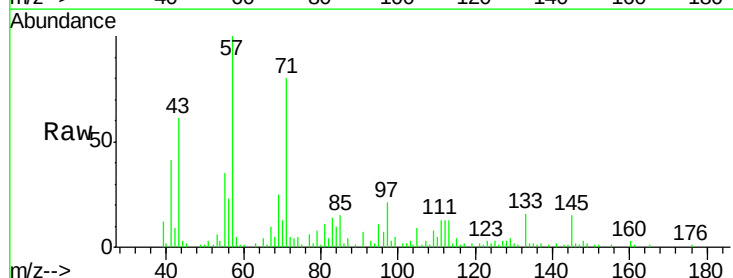
Instrument :
BNA_F
ClientSampleId :
W-03

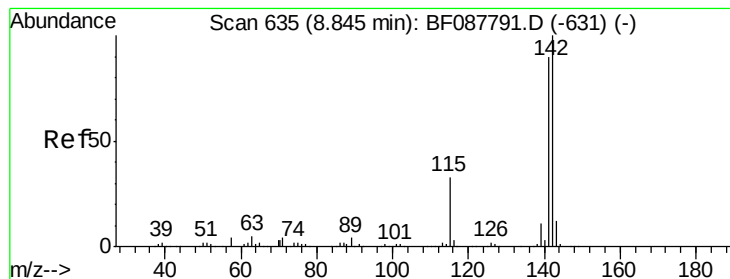
Tgt Ion: 77 Resp: 38856
Ion Ratio Lower Upper
77 100
123 1.2 45.0 67.4#
65 59.2 10.2 15.2#



#35
Caprolactam
Concen: 2.42 ng
RT: 8.52 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF087954.D
Acq: 12 Jun 2016 18:04

Tgt Ion: 113 Resp: 5179
Ion Ratio Lower Upper
113 100
55 274.6 158.6 198.6#
56 176.4 110.6 150.6#





#37

2-Methylnaphthalene

Concen: 59.52 ng

RT: 8.90 min Scan# 640

Delta R.T. 0.09 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

Instrument :

BNA_F

ClientSampleId :

W-03

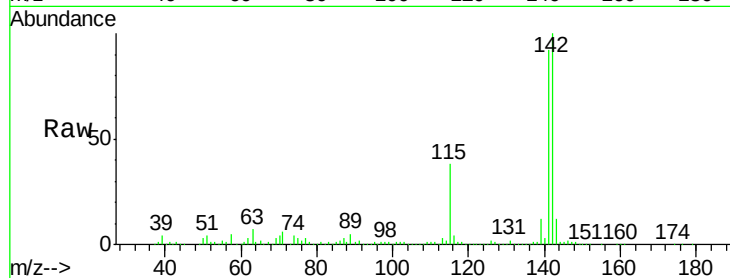
Tgt Ion:142 Resp: 917472

Ion Ratio Lower Upper

142 100

141 92.0 71.0 106.6

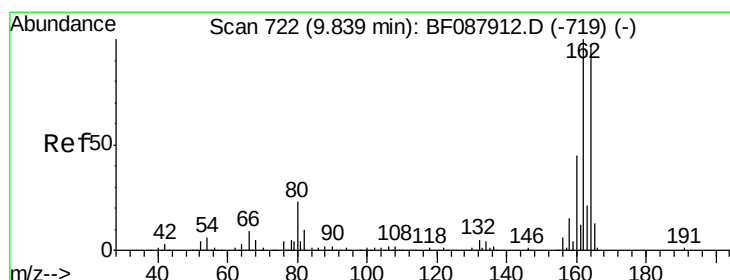
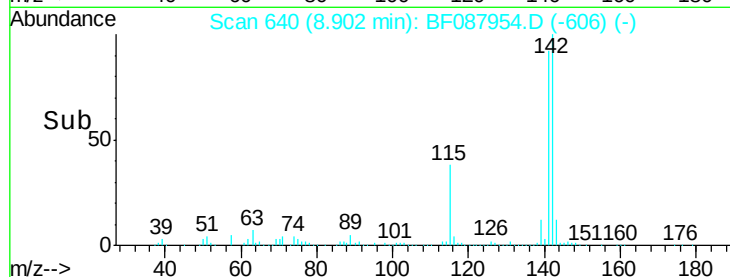
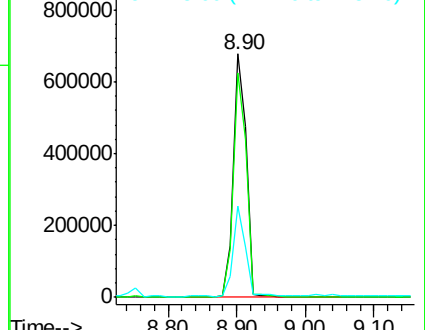
115 37.7 22.6 33.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

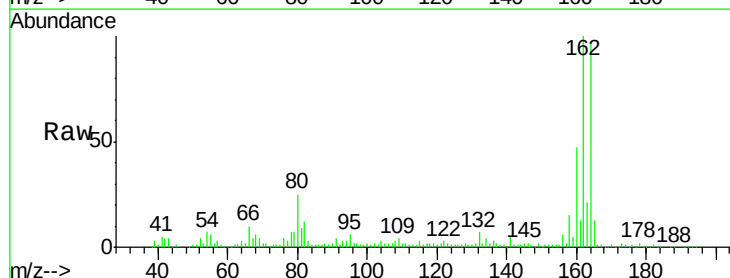
Tgt Ion:164 Resp: 206518

Ion Ratio Lower Upper

164 100

162 103.3 85.4 128.2

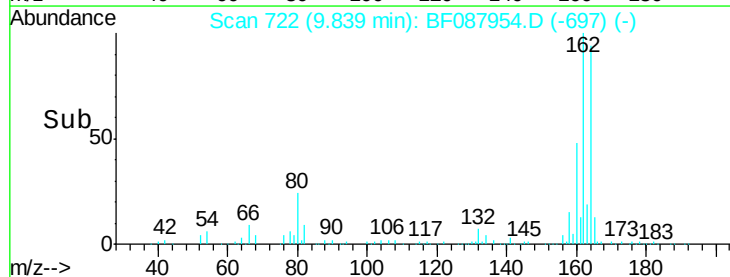
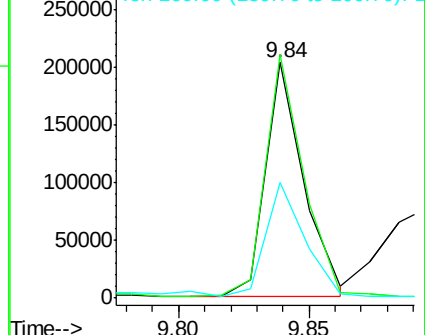
160 48.9 39.5 59.3

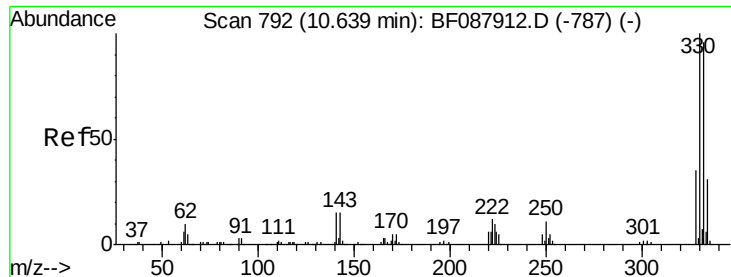


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

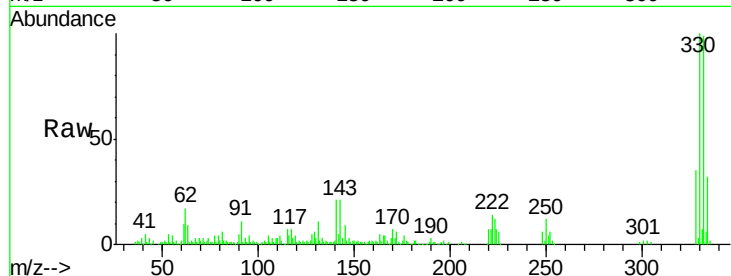




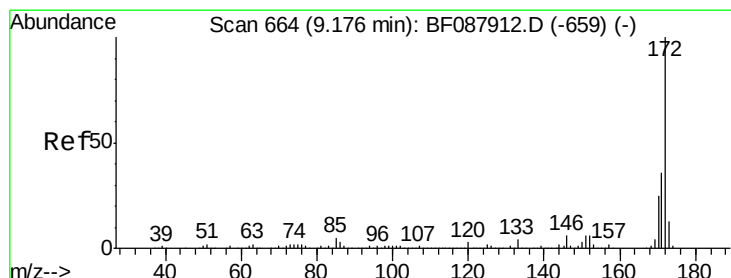
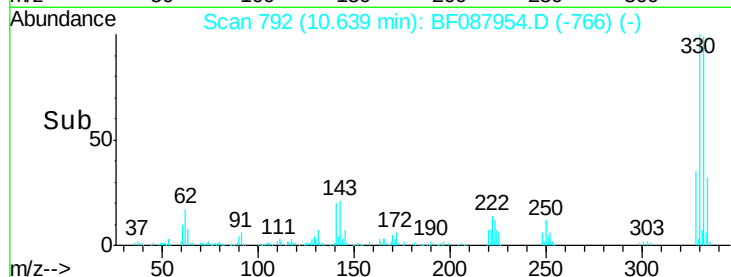
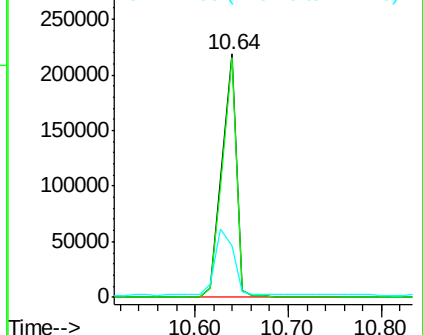
#41
 2,4,6-Tribromophenol
 Concen: 108.66 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF087954.D
 Acq: 12 Jun 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :
 W-03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	35.8	0.0	0.0#

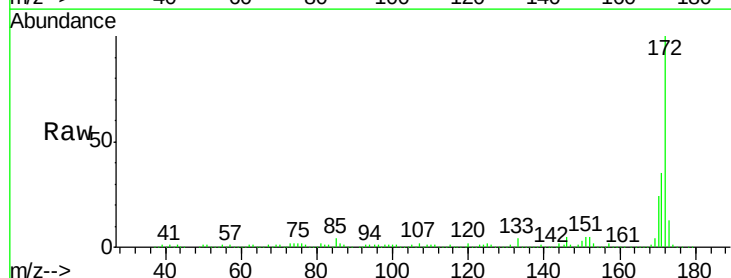


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

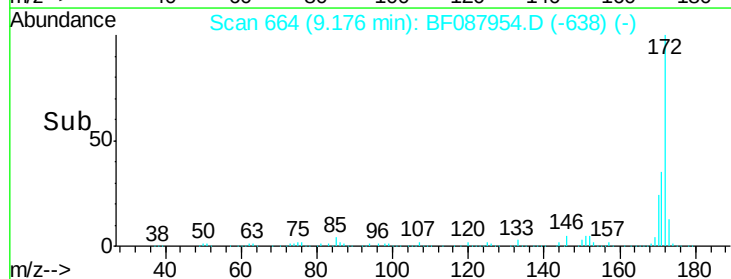
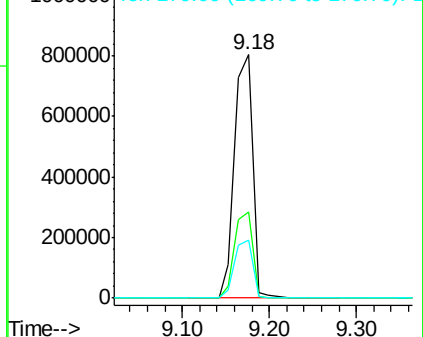


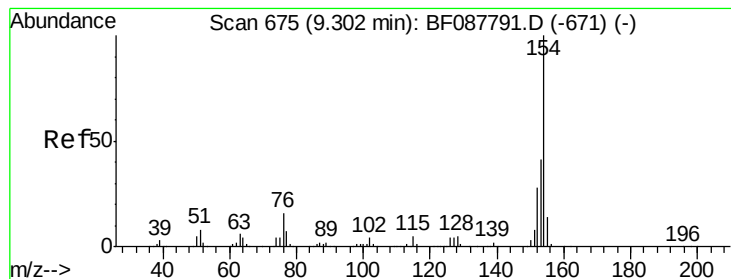
#44
 2-Fluorobiphenyl
 Concen: 88.50 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF087954.D
 Acq: 12 Jun 2016 18:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.26 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

Instrument :

BNA_F

ClientSampleId :

W-03

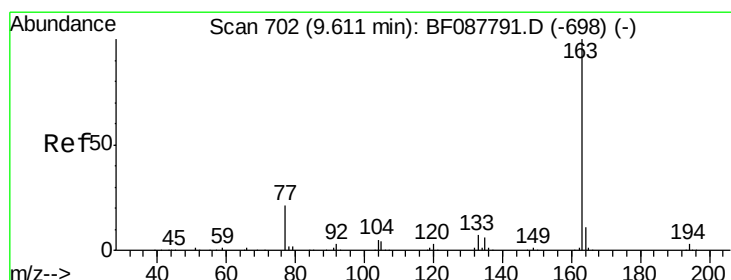
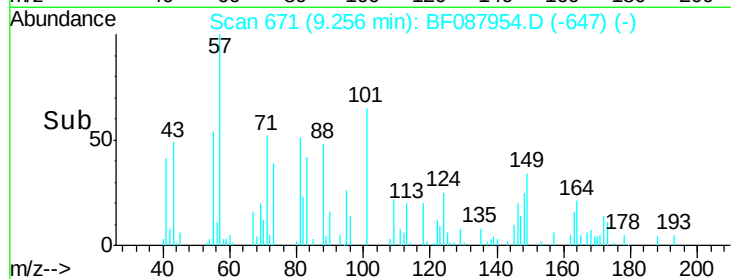
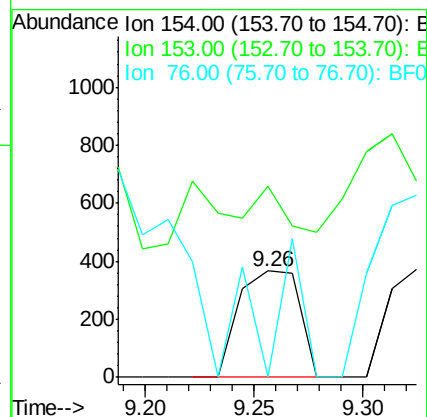
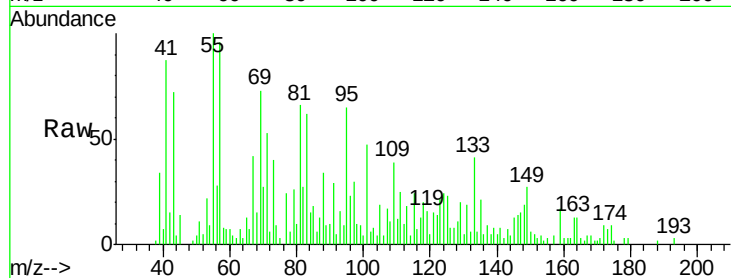
Tgt Ion:154 Resp: 707

Ion Ratio Lower Upper

154 100

153 179.5 20.6 60.6#

76 0.0 0.0 35.1



#49

Dimethylphthalate

Concen: 2.13 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

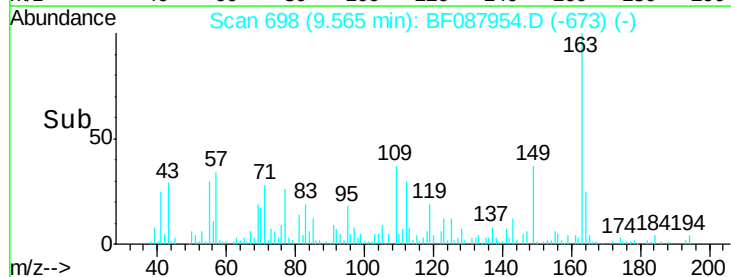
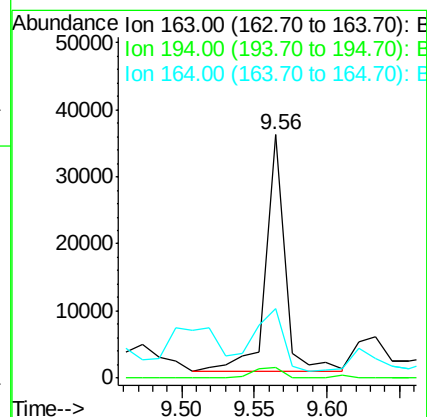
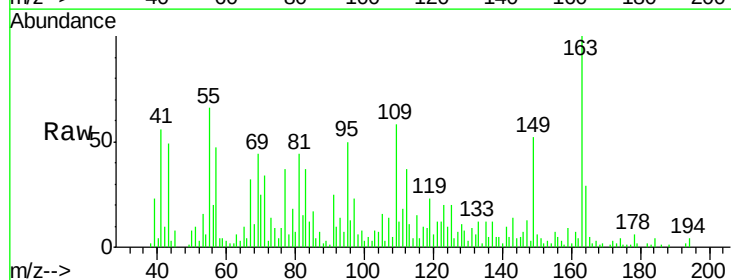
Tgt Ion:163 Resp: 31893

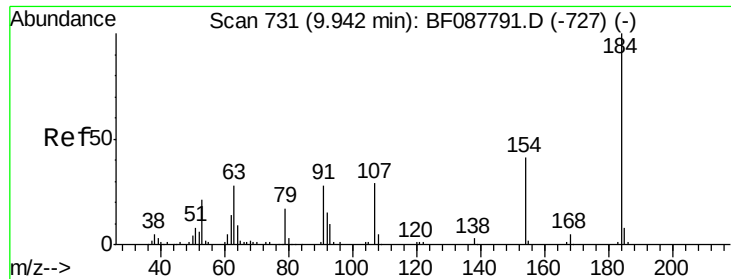
Ion Ratio Lower Upper

163 100

194 4.2 2.8 4.2#

164 28.7 8.3 12.5#

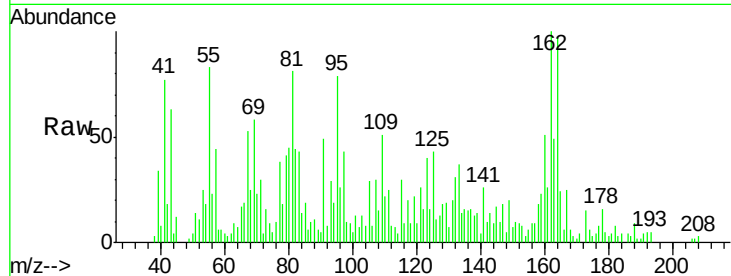




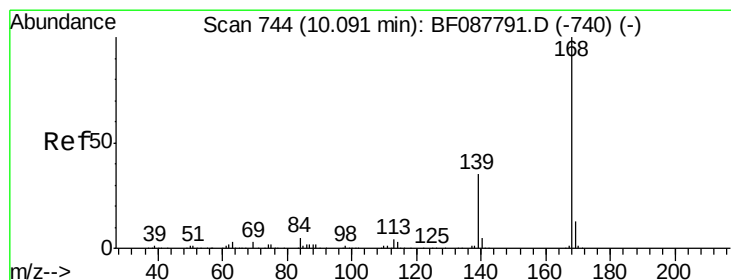
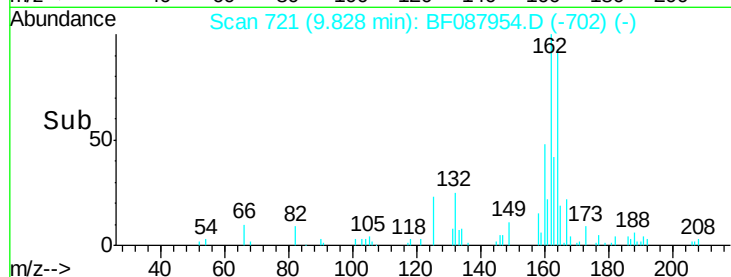
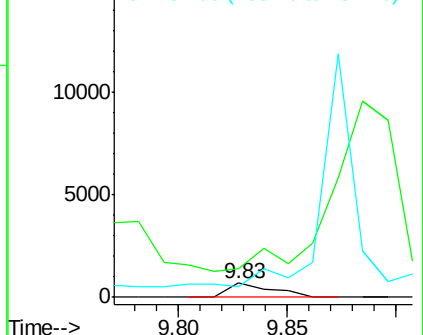
#53
2,4-Dinitrophenol
Concen: 3.71 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.08 min
Lab File: BF087954.D
Acq: 12 Jun 2016 18:04

Instrument :
BNA_F
ClientSampleId :
W-03

Tgt Ion:184 Resp: 933
Ion Ratio Lower Upper
184 100
63 208.0 57.6 86.4#
154 79.9 53.5 80.3

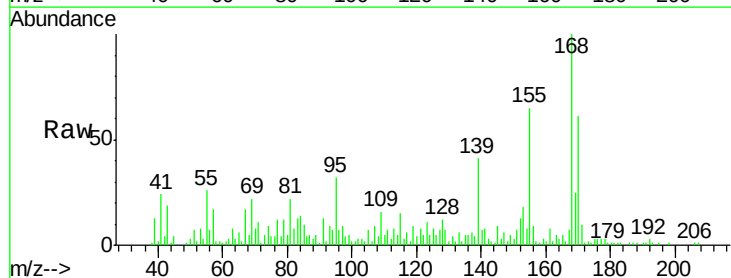


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

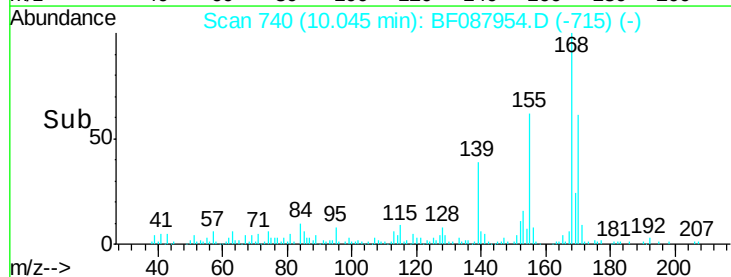
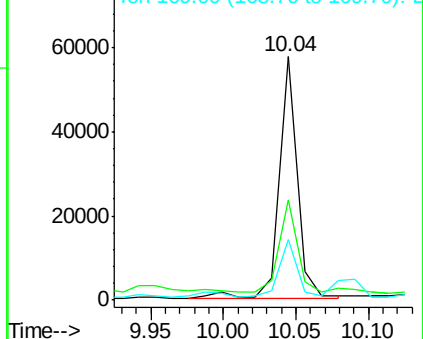


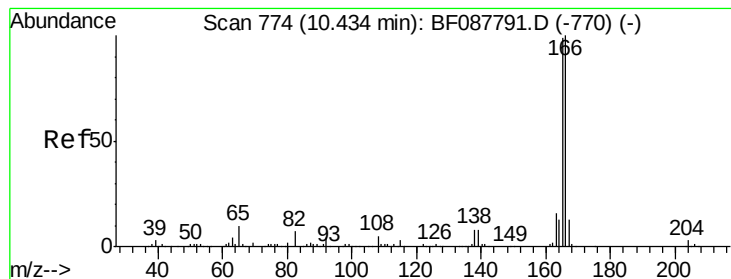
#54
Dibenzofuran
Concen: 2.72 ng
RT: 10.04 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF087954.D
Acq: 12 Jun 2016 18:04

Tgt Ion:168 Resp: 49591
Ion Ratio Lower Upper
168 100
139 41.3 26.4 39.6#
169 24.7 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.39 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

Instrument :

BNA_F

ClientSampleId :

W-03

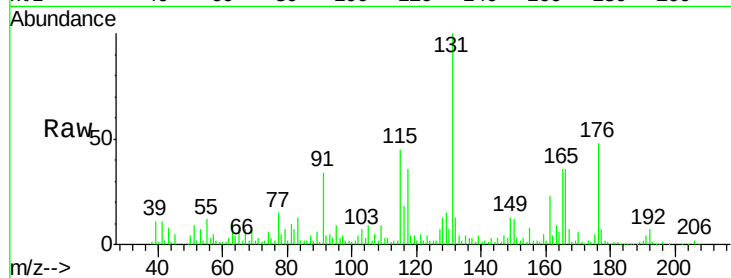
Tgt Ion:166 Resp: 32852

Ion Ratio Lower Upper

166 100

165 99.8 77.8 116.8

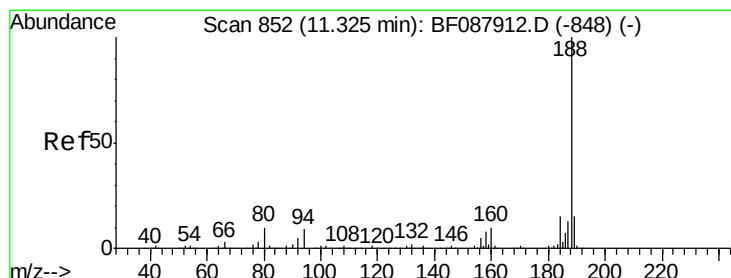
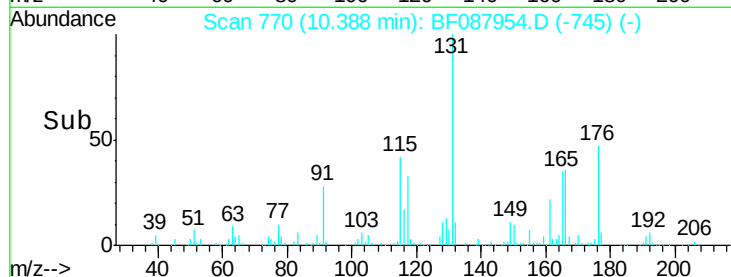
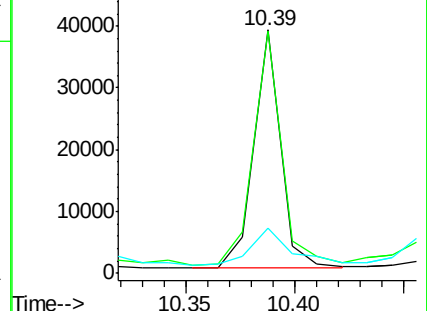
167 18.4 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

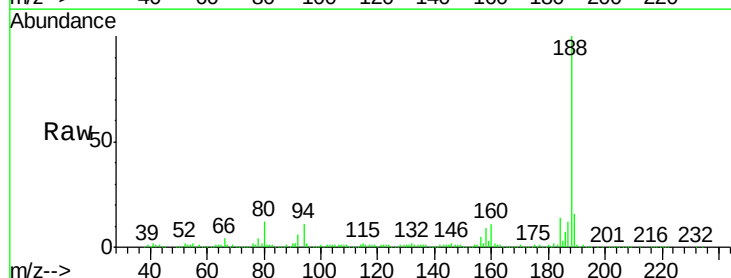
Tgt Ion:188 Resp: 381091

Ion Ratio Lower Upper

188 100

94 10.8 9.0 13.6

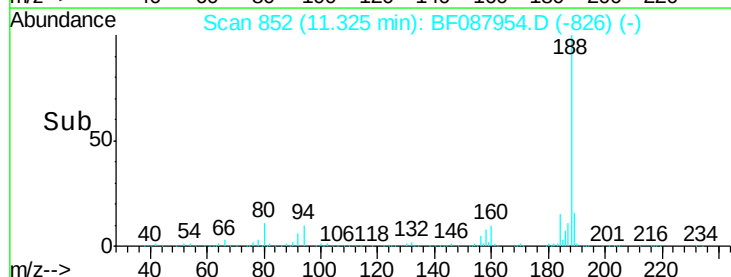
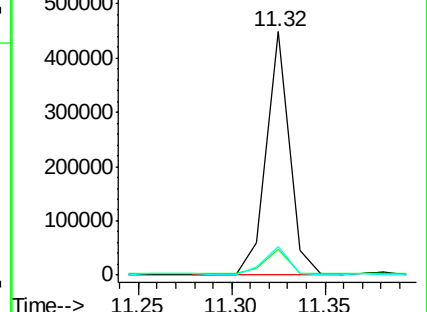
80 11.5 10.0 15.0

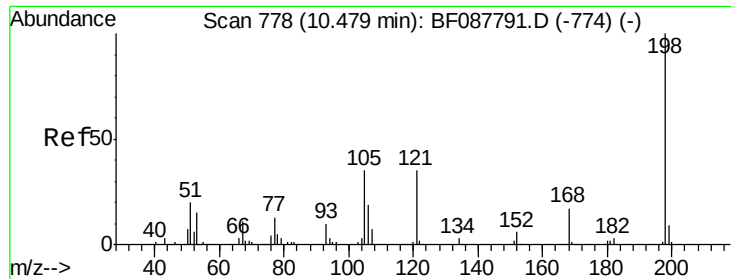


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.31 ng

RT: 10.47 min Scan# 777

Delta R.T. 0.02 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

Instrument :

BNA_F

ClientSampled :

W-03

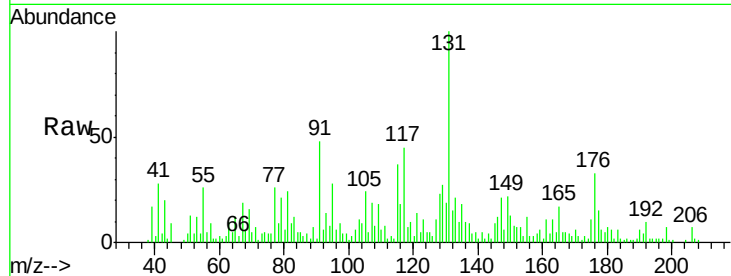
Tgt Ion:198 Resp: 2857

Ion Ratio Lower Upper

198 100

51 181.9 39.6 79.6#

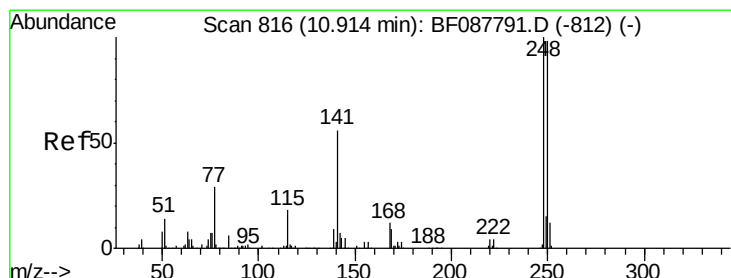
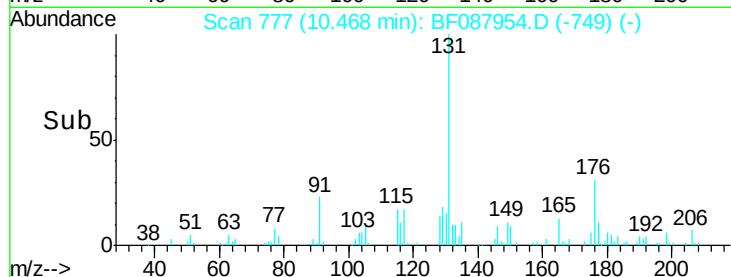
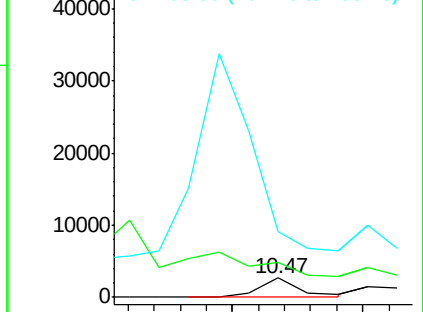
105 341.9 36.6 76.6#



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: 3.80 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.24 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

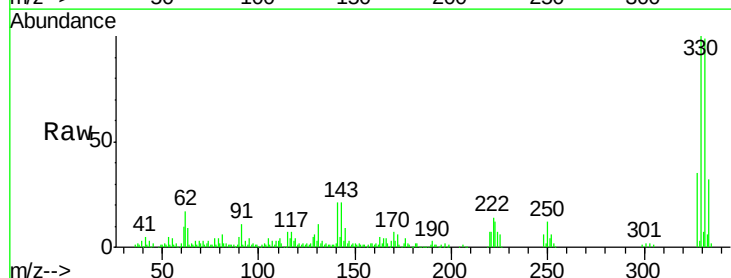
Tgt Ion:248 Resp: 15534

Ion Ratio Lower Upper

248 100

250 202.3 77.1 115.7#

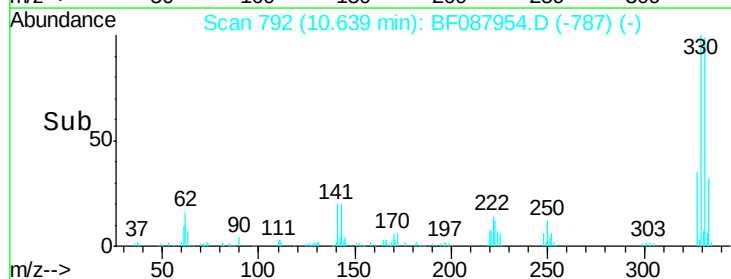
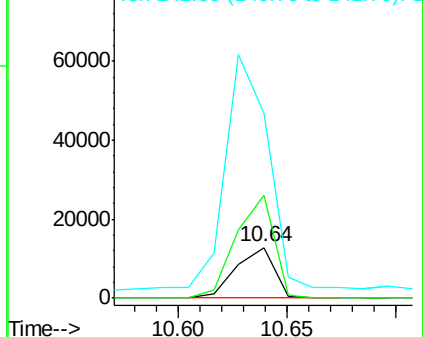
141 363.5 50.6 76.0#

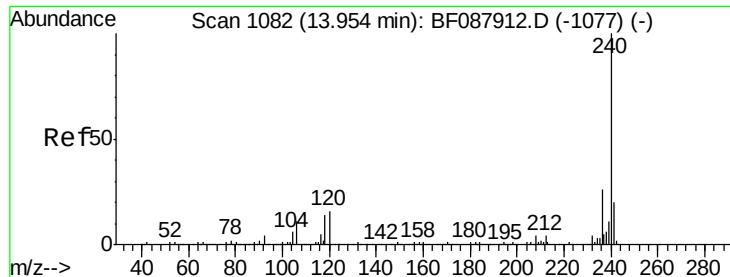


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

Instrument :

BNA_F

ClientSampleId :

W-03

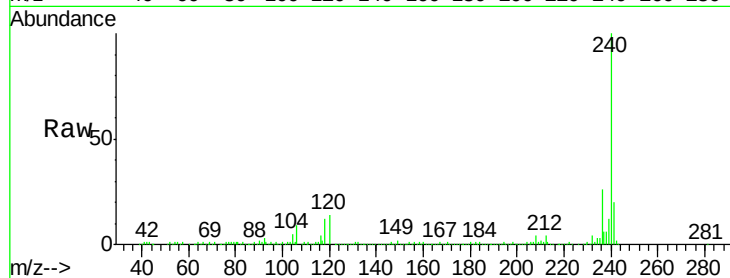
Tgt Ion:240 Resp: 286597

Ion Ratio Lower Upper

240 100

120 13.8 6.8 10.2#

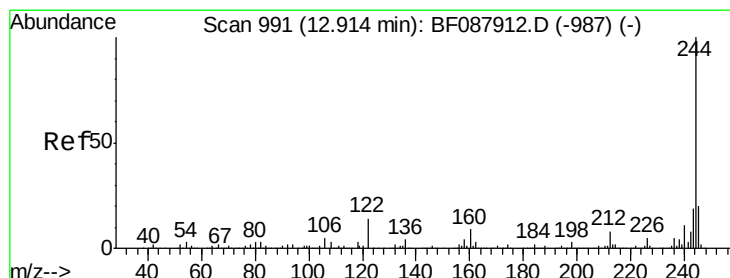
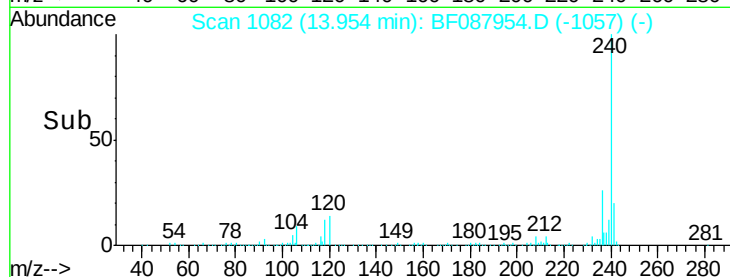
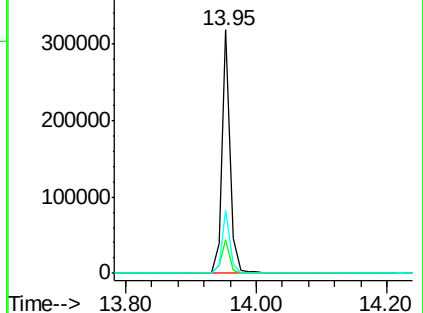
236 26.1 20.2 30.2



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: 67.67 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF087954.D

Acq: 12 Jun 2016 18:04

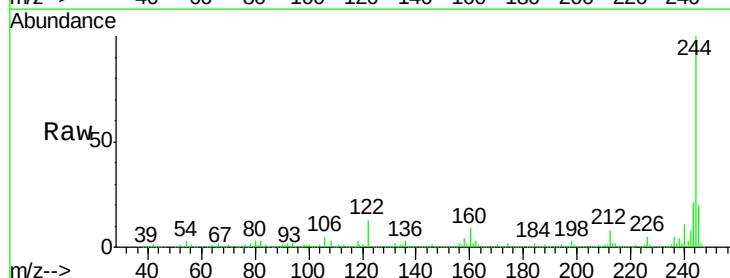
Tgt Ion:244 Resp: 852294

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

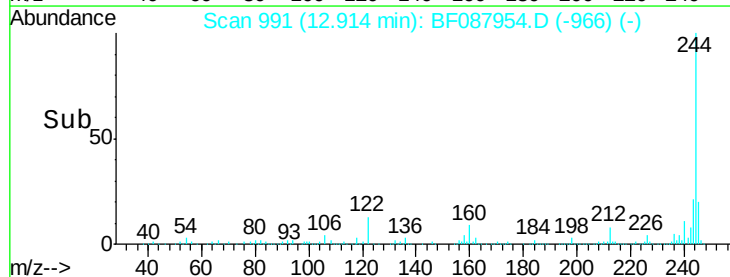
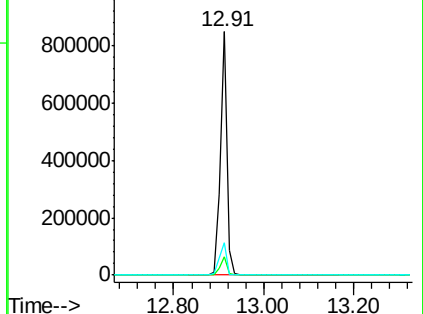
122 13.5 11.2 16.8

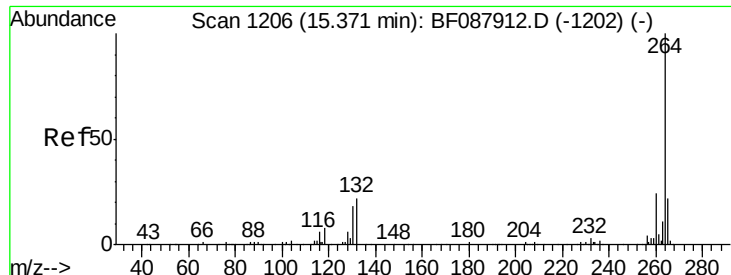


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

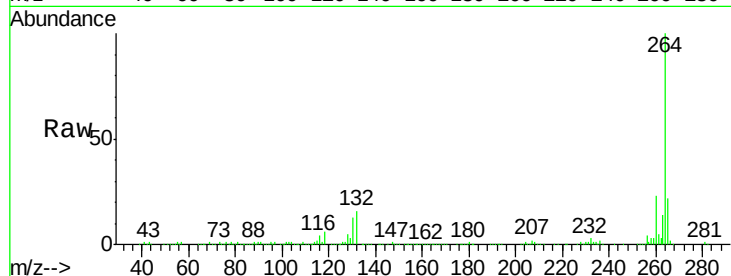




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF087954.D
Acq: 12 Jun 2016 18:04

Instrument :
BNA_F
ClientSampleId :
W-03

Tgt Ion: 264 Resp: 235437
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.6 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

