

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087956.D
 Acq On : 12 Jun 2016 19:03
 Operator : UM/SJ
 Sample : H3490-07
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-10

Quant Time: Jun 13 05:00:27 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	114822	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	474162	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	209580	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	372982	20.00	ng	0.00
75) Chrysene-d12	13.95	240	292882	20.00	ng	-0.01
86) Perylene-d12	15.37	264	247112	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	477625	71.11	ng	0.00
7) Phenol-d6	6.43	99	396896	48.76	ng	-0.01
23) Nitrobenzene-d5	7.37	82	584874	72.03	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	225799	102.04	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1175077	88.29	ng	0.00
78) Terphenyl-d14	12.91	244	900638	69.98	ng	-0.01

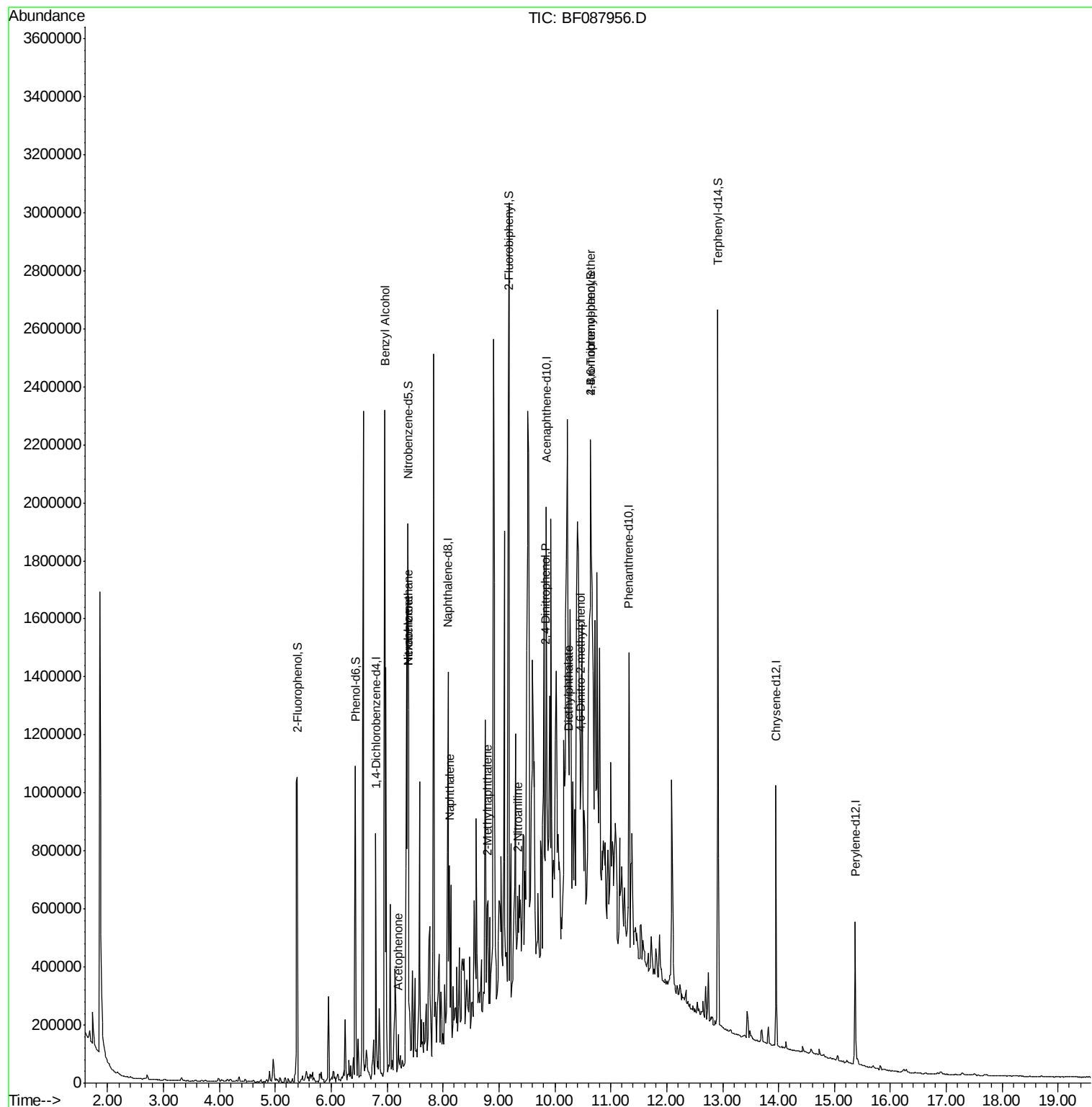
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	1256	Below Cal	#	1
15) Benzyl Alcohol	6.96	79	13481	2.12	ng	35
18) Hexachloroethane	7.38	117	404109	132.54	ng	38
22) Acetophenone	7.20	105	24145	2.28	ng	65
24) Nitrobenzene	7.38	77	19233	2.45	ng	10
31) Naphthalene	8.11	128	93635	3.99	ng	66
37) 2-Methylnaphthalene	8.80	142	116038	7.50	ng	95
45) 1,1'-Biphenyl	9.27	154	1726	Below Cal	#	1
47) 2-Nitroaniline	9.34	65	11408	2.85	ng	35
53) 2,4-Dinitrophenol	9.84	184	2694	4.82	ng	1
57) Fluorene	10.39	166	20310	Below Cal	#	90
59) Diethylphthalate	10.25	149	93283	6.07	ng	54
64) 4,6-Dinitro-2-methylphenol	10.47	198	3586	3.63	ng	1
66) 4-Bromophenyl-phenylether	10.64	248	14782	3.69	ng	1

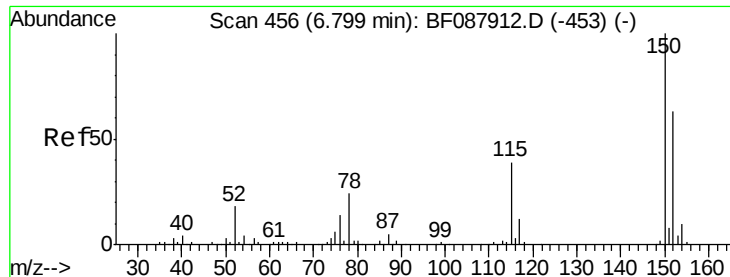
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087956.D

Acq: 12 Jun 2016 19:03

Instrument :

BNA_F

ClientSampleId :

W-10

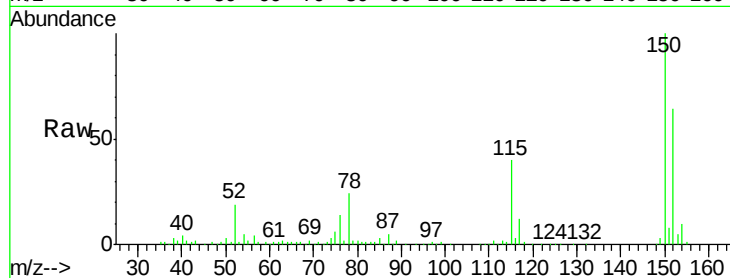
Tgt Ion:152 Resp: 114822

Ion Ratio Lower Upper

152 100

150 155.8 123.8 185.6

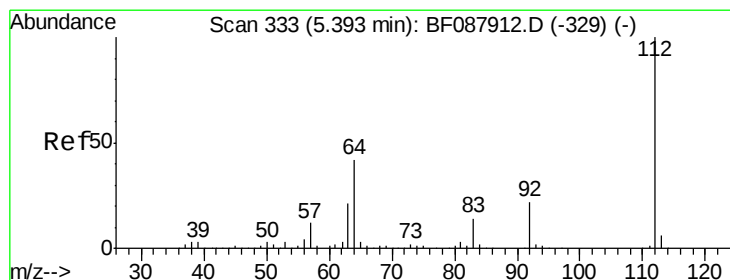
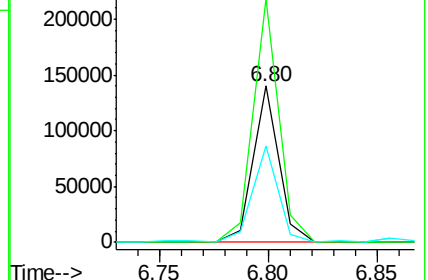
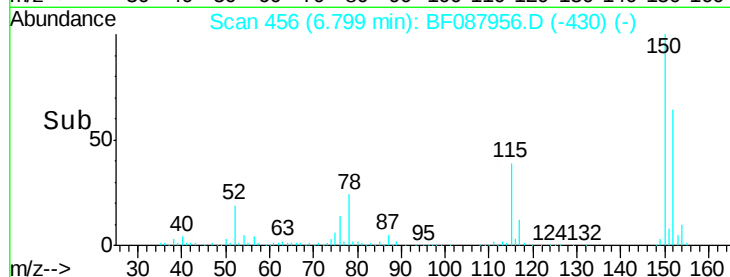
115 61.9 39.6 59.4#



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: 71.11 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.00 min

Lab File: BF087956.D

Acq: 12 Jun 2016 19:03

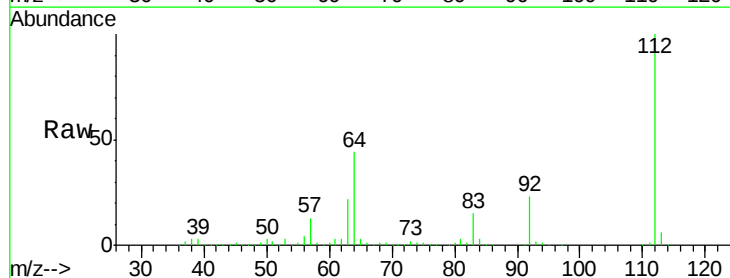
Tgt Ion:112 Resp: 477625

Ion Ratio Lower Upper

112 100

64 43.5 42.2 63.2

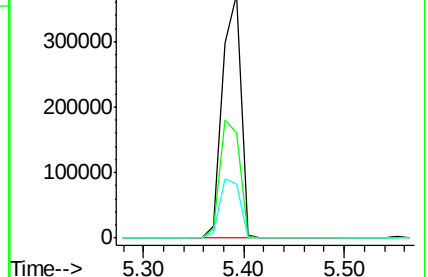
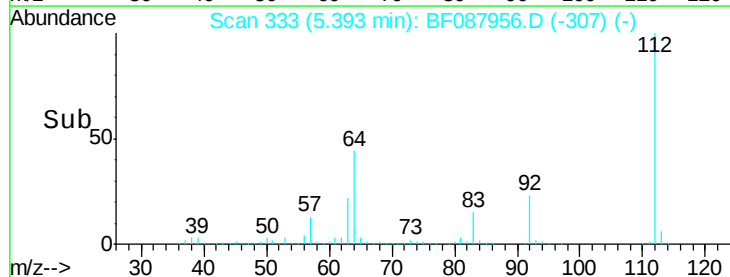
63 22.1 21.8 32.8



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: 48.76 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF087956.D

Acq: 12 Jun 2016 19:03

Instrument :

BNA_F

ClientSampled :

W-10

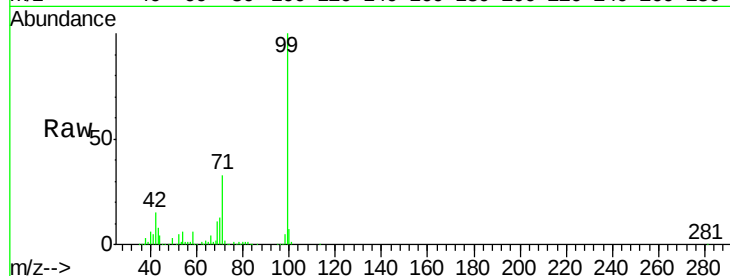
Tgt Ion: 99 Resp: 396896

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

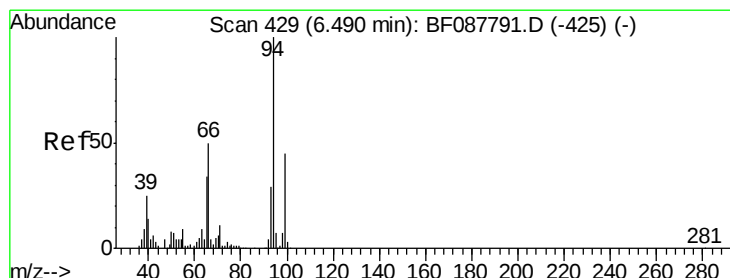
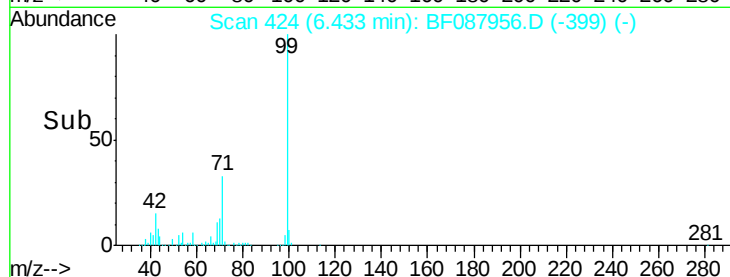
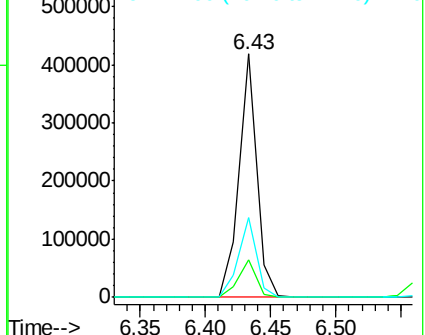
71 32.7 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF087956.D

Acq: 12 Jun 2016 19:03

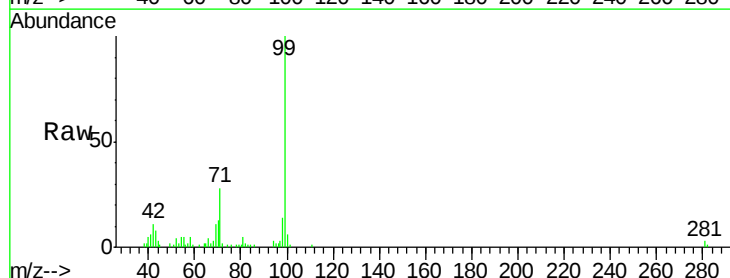
Tgt Ion: 94 Resp: 1256

Ion Ratio Lower Upper

94 100

65 60.2 5.9 45.9#

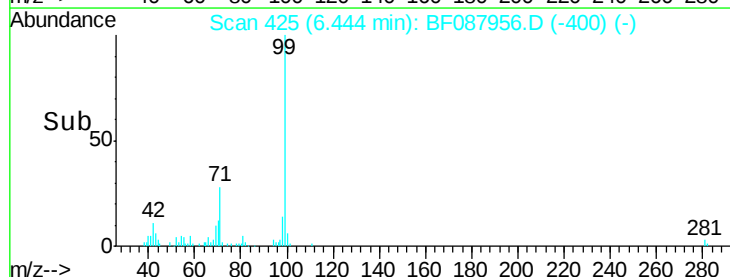
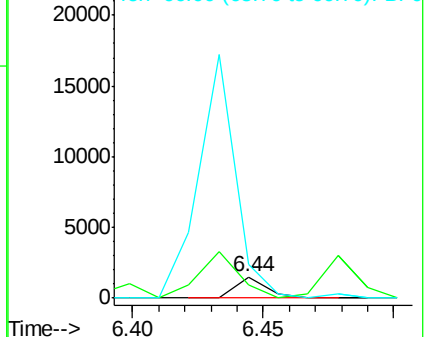
66 162.5 14.0 54.0#

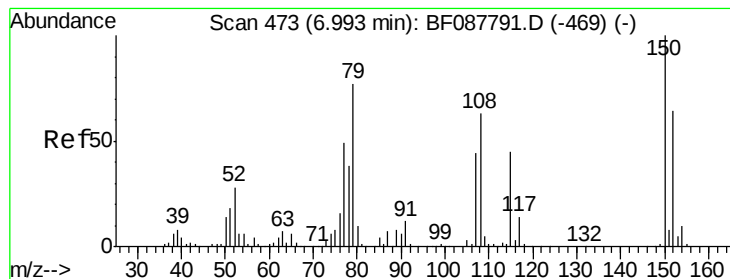


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.01 min

Lab File: BF087956.D

Acq: 12 Jun 2016 19:03

Instrument :

BNA_F

ClientSampleId :

W-10

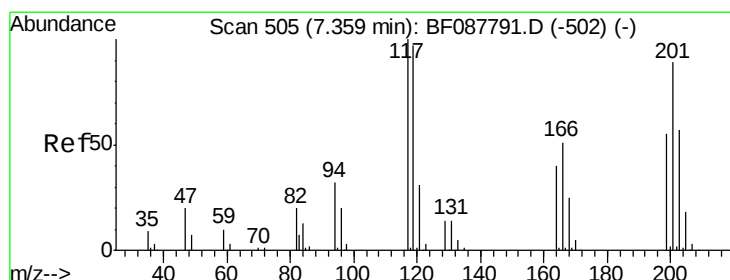
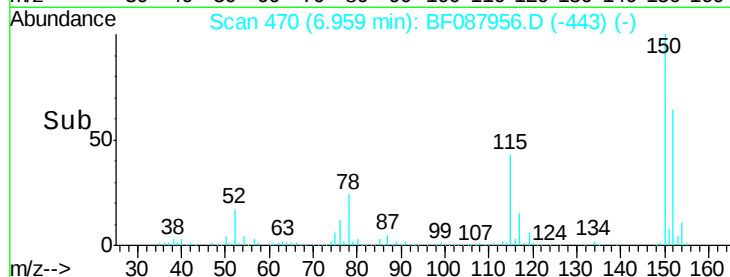
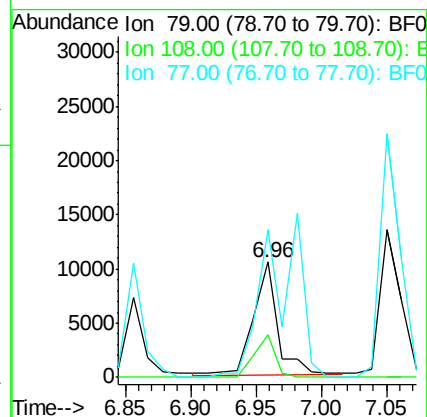
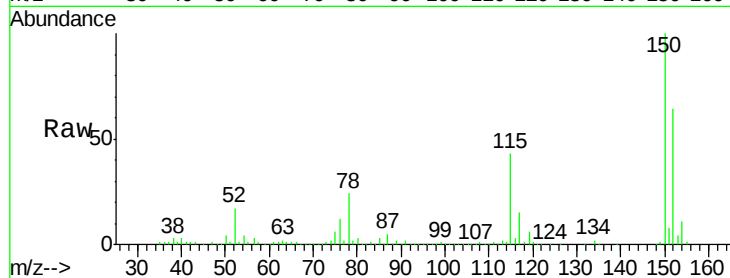
Tgt Ion: 79 Resp: 13481

Ion Ratio Lower Upper

79 100

108 36.6 65.0 97.6#

77 127.8 50.3 75.5#



#18

Hexachloroethane

Concen: 132.54 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.06 min

Lab File: BF087956.D

Acq: 12 Jun 2016 19:03

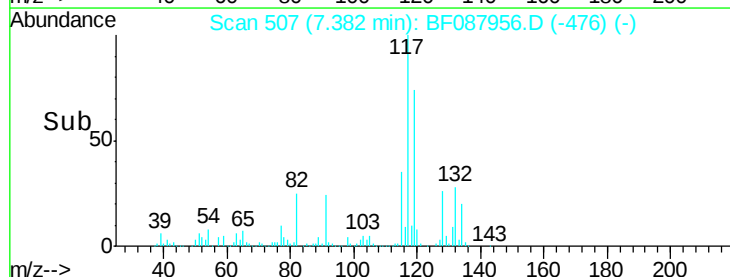
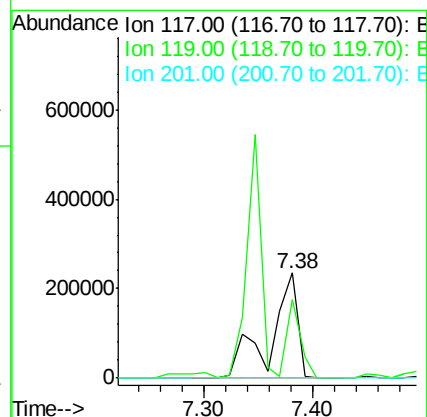
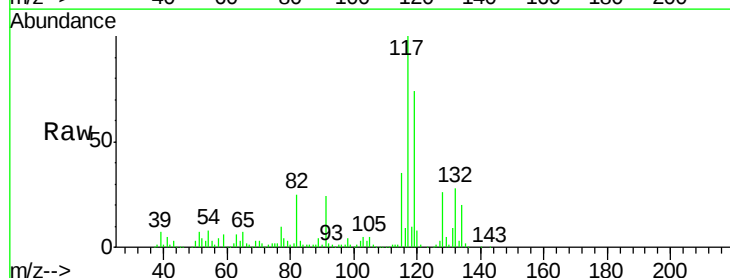
Tgt Ion: 117 Resp: 404109

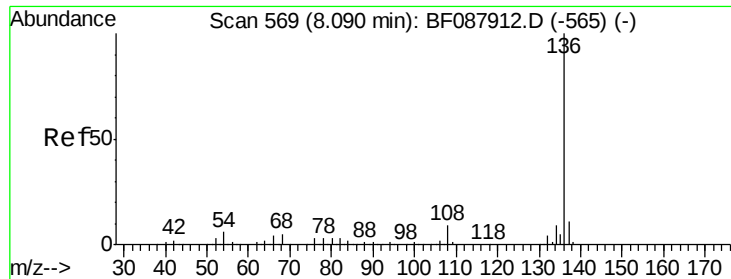
Ion Ratio Lower Upper

117 100

119 74.0 77.4 116.2#

201 0.0 80.4 120.6#

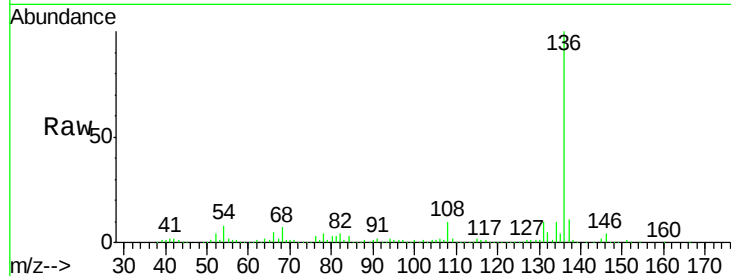




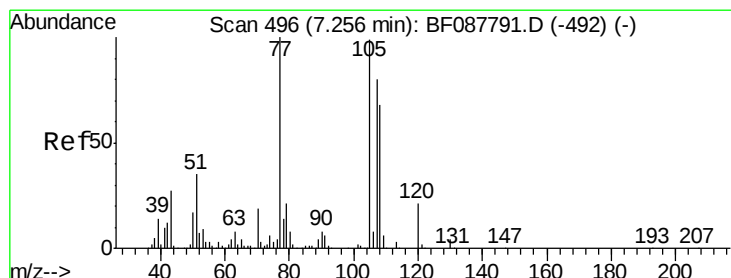
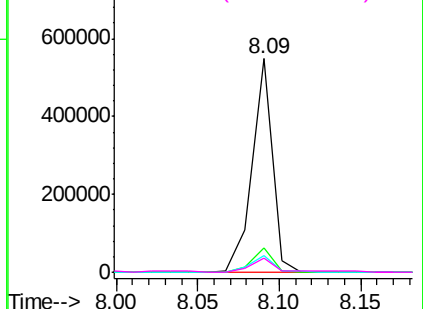
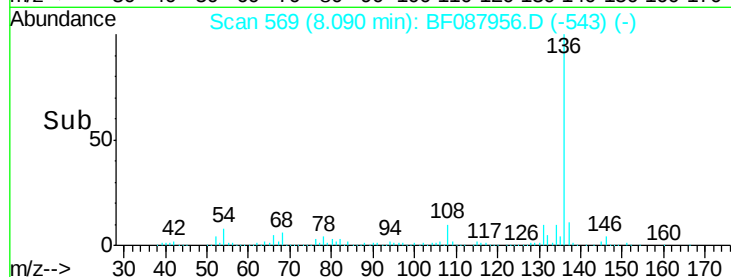
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF087956.D
Acq: 12 Jun 2016 19:03

Instrument :
BNA_F
ClientSampleId :
W-10

Tgt Ion:	136	Resp:	474162
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.8	6.6	10.0
68	6.6	5.1	7.7

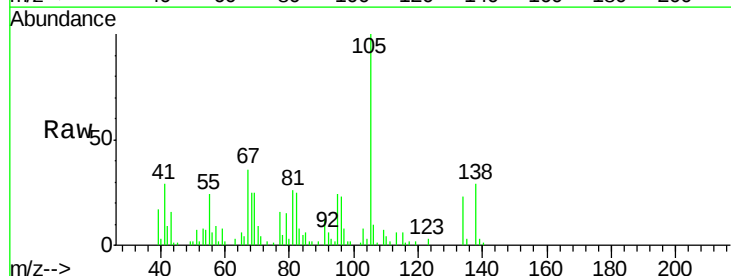


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

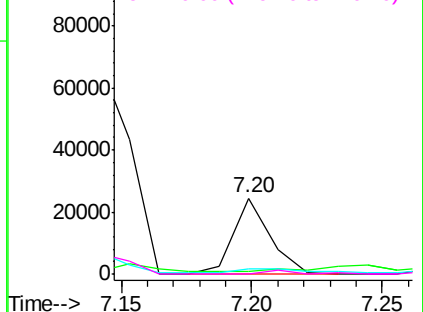
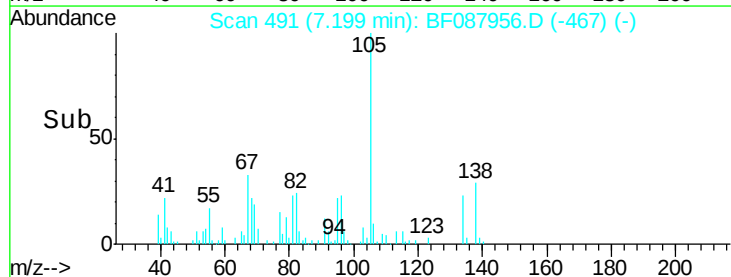


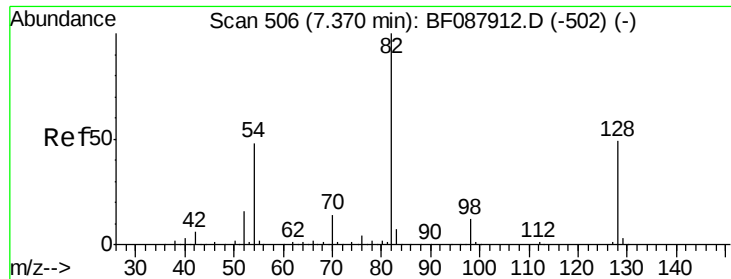
#22
Acetophenone
Concen: 2.28 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.02 min
Lab File: BF087956.D
Acq: 12 Jun 2016 19:03

Tgt Ion:	105	Resp:	24145
Ion	Ratio	Lower	Upper
105	100		
71	4.2	5.3	7.9#
51	7.3	18.2	27.4#
120	0.0	18.0	27.0#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

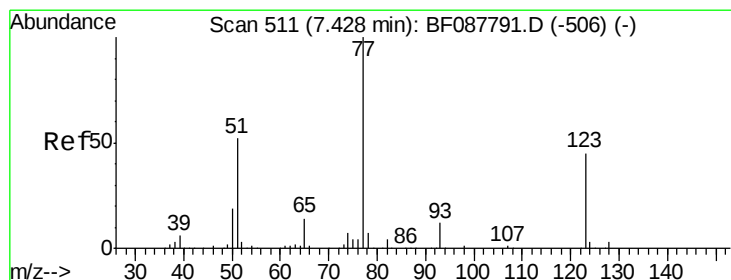
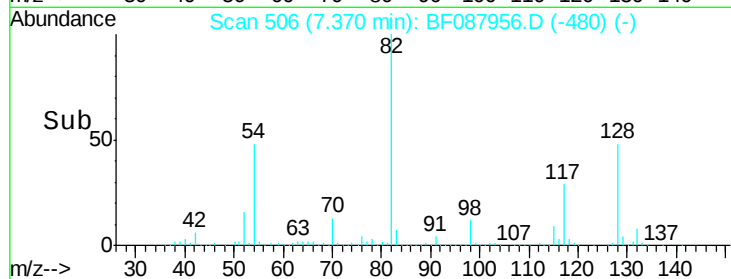
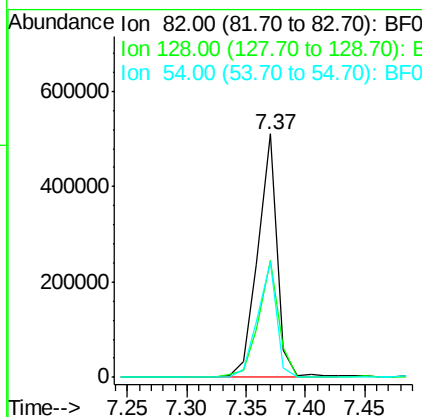
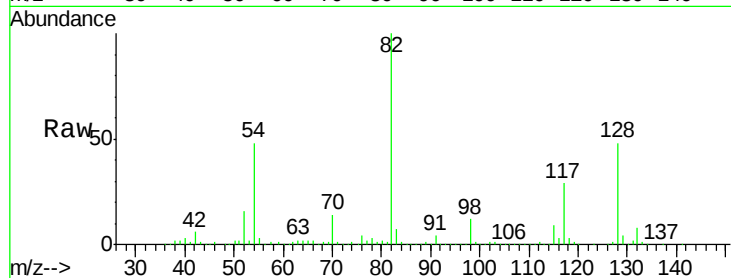




#23
 Nitrobenzene-d5
 Concen: 72.03 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: BF087956.D
 Acq: 12 Jun 2016 19:03

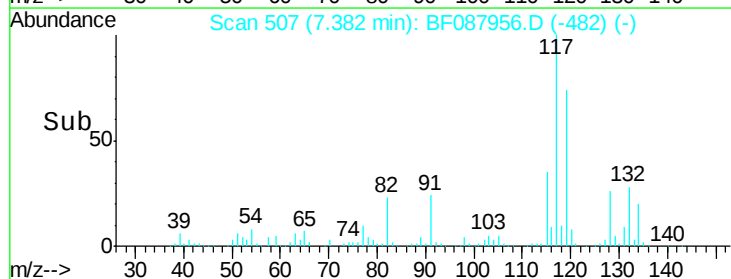
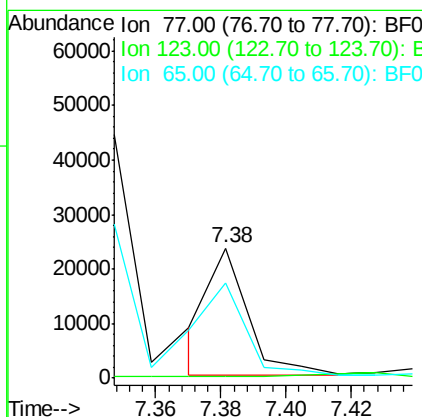
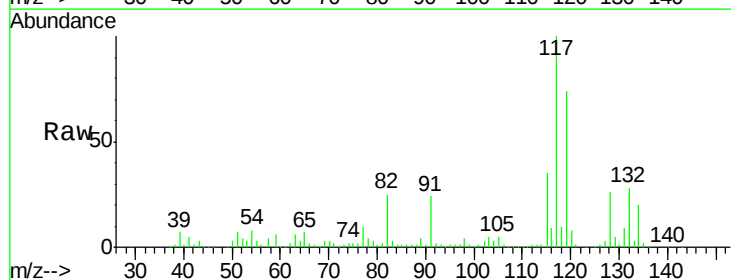
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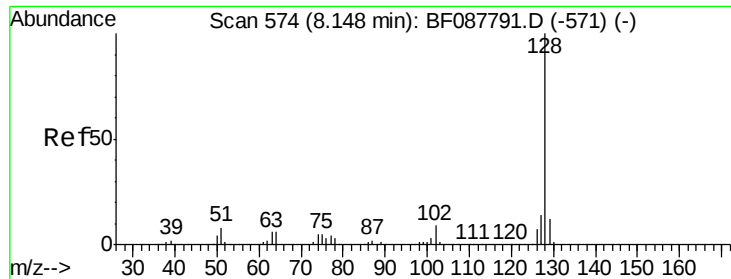
Tgt Ion: 82 Resp: 584874
 Ion Ratio Lower Upper
 82 100
 128 48.2 35.9 53.9
 54 47.7 40.9 61.3



#24
 Nitrobenzene
 Concen: 2.45 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: BF087956.D
 Acq: 12 Jun 2016 19:03

Tgt Ion: 77 Resp: 19233
 Ion Ratio Lower Upper
 77 100
 123 1.4 45.0 67.4#
 65 73.5 10.2 15.2#

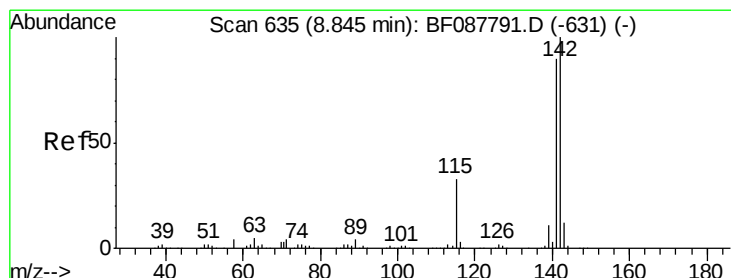
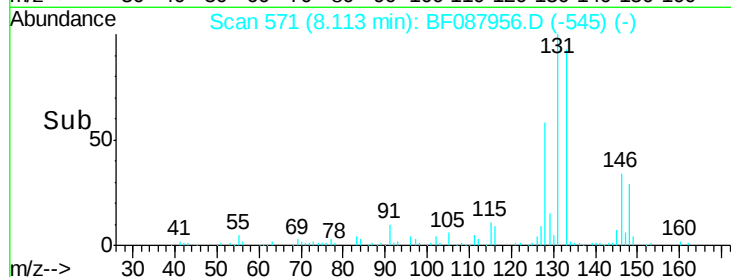
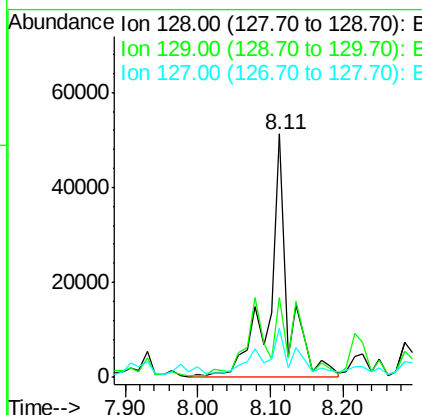
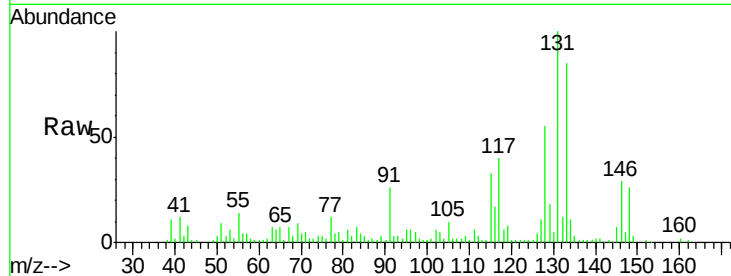




#31
Naphthalene
Concen: 3.99 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.00 min
Lab File: BF087956.D
Acq: 12 Jun 2016 19:03

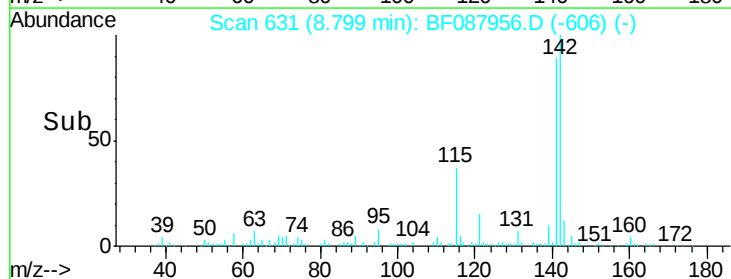
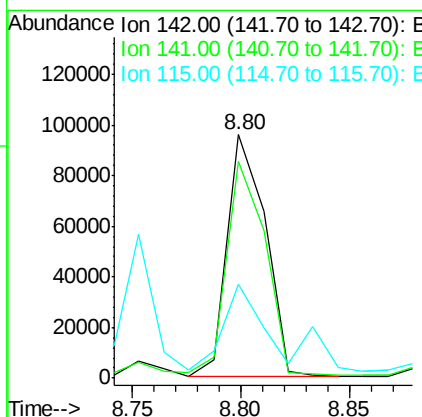
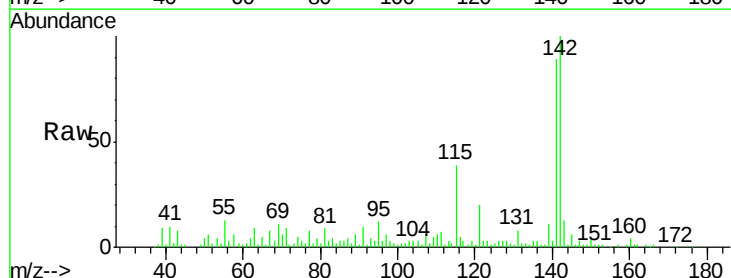
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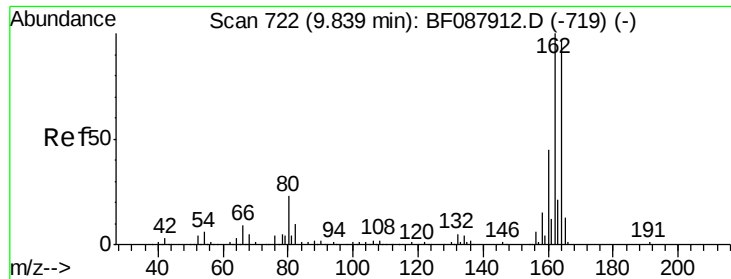
Tgt Ion:128 Resp: 93635
Ion Ratio Lower Upper
128 100
129 32.6 9.4 14.2#
127 20.1 10.9 16.3#



#37
2-Methylnaphthalene
Concen: 7.50 ng
RT: 8.80 min Scan# 631
Delta R.T. -0.01 min
Lab File: BF087956.D
Acq: 12 Jun 2016 19:03

Tgt Ion:142 Resp: 116038
Ion Ratio Lower Upper
142 100
141 89.1 71.0 106.6
115 38.6 22.6 33.8#

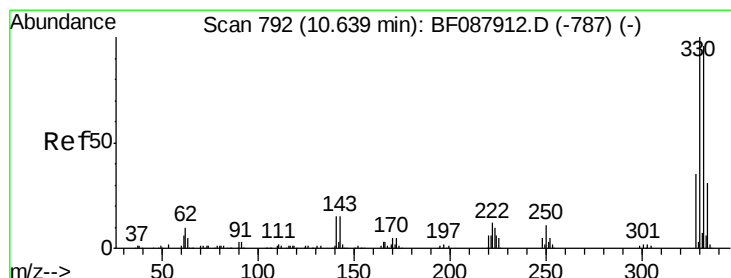
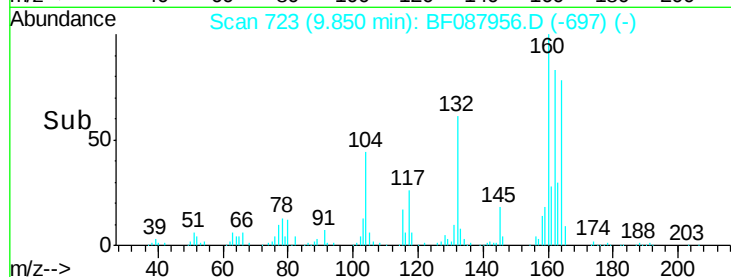
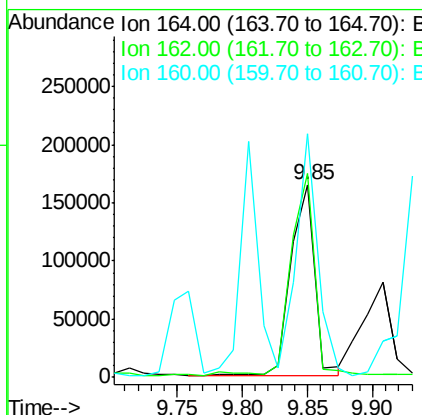
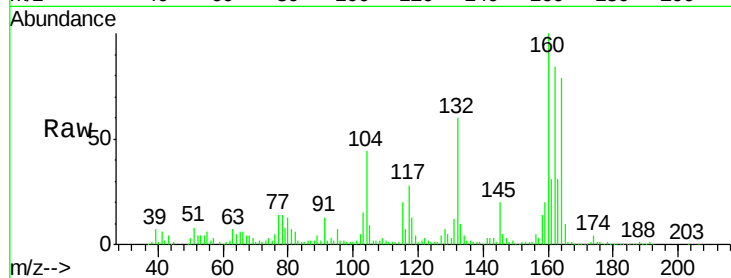




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF087956.D
Acq: 12 Jun 2016 19:03

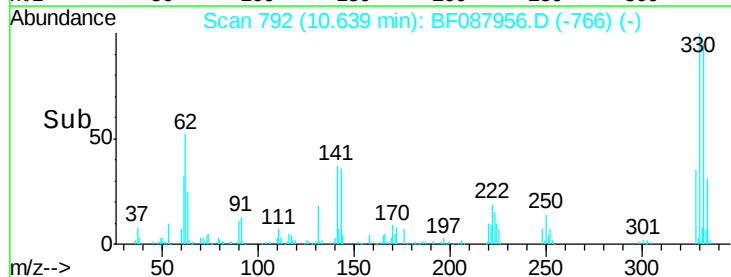
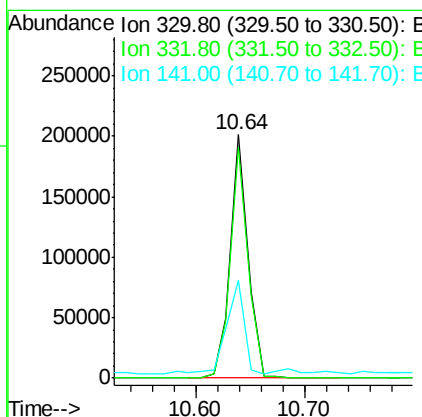
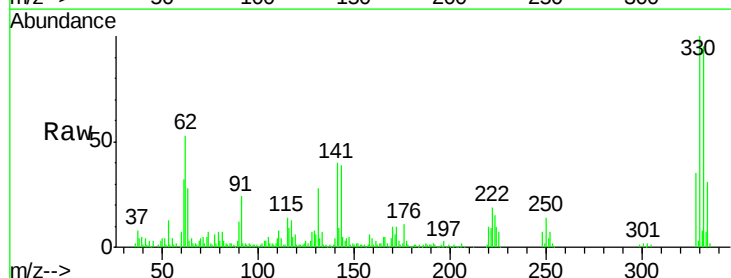
Instrument :
BNA_F
ClientSampleId :
W-10

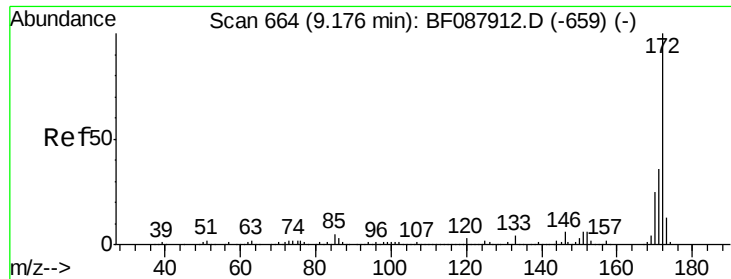
Tgt Ion:164 Resp: 209580
Ion Ratio Lower Upper
164 100
162 106.0 85.4 128.2
160 126.2 39.5 59.3#



#41
2,4,6-Tribromophenol
Concen: 102.04 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF087956.D
Acq: 12 Jun 2016 19:03

Tgt Ion:330 Resp: 225799
Ion Ratio Lower Upper
330 100
332 95.2 0.0 0.0#
141 39.0 0.0 0.0#

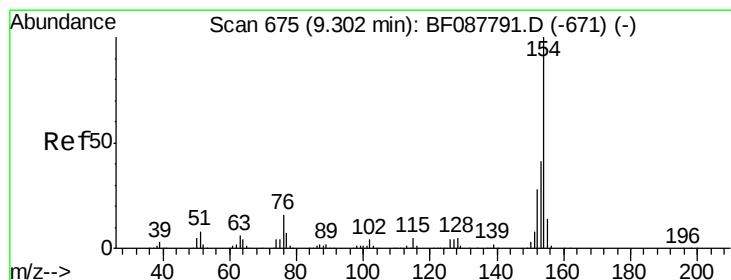
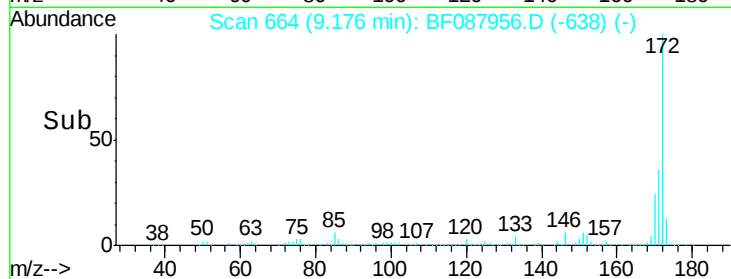
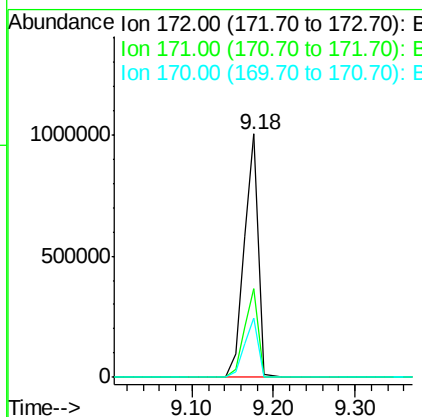
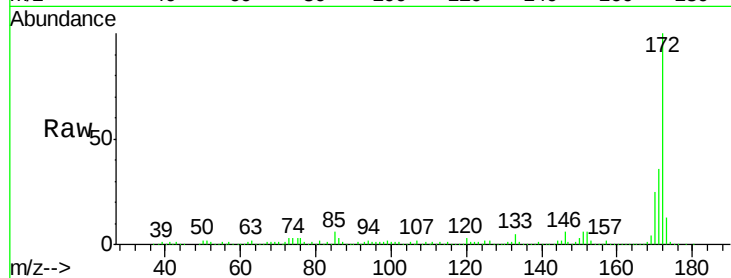




#44
 2-Fluorobiphenyl
 Concen: 88.29 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF087956.D
 Acq: 12 Jun 2016 19:03

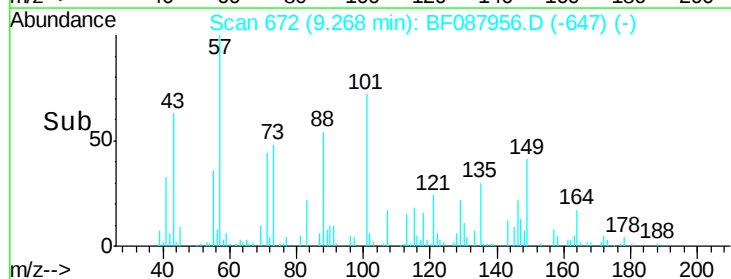
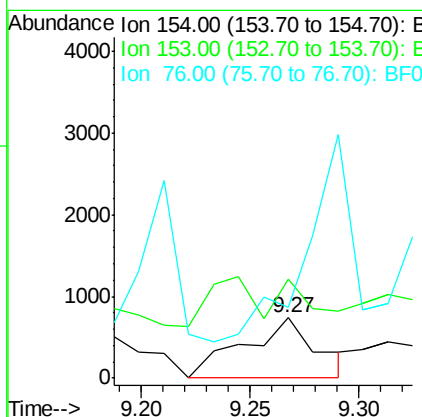
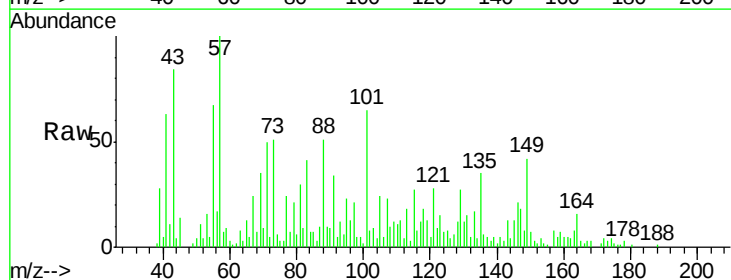
Instrument :
 BNA_F
 ClientSampleId :
 W-10

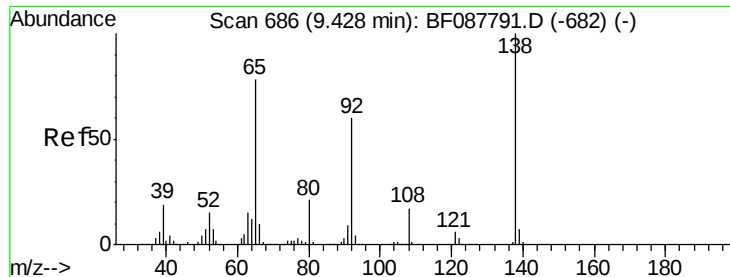
Tgt Ion:172 Resp: 1175077
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 24.6 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.27 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF087956.D
 Acq: 12 Jun 2016 19:03

Tgt Ion:154 Resp: 1726
 Ion Ratio Lower Upper
 154 100
 153 164.0 20.6 60.6#
 76 117.9 0.0 35.1#

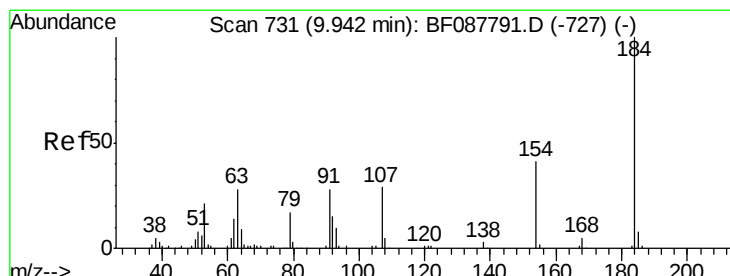
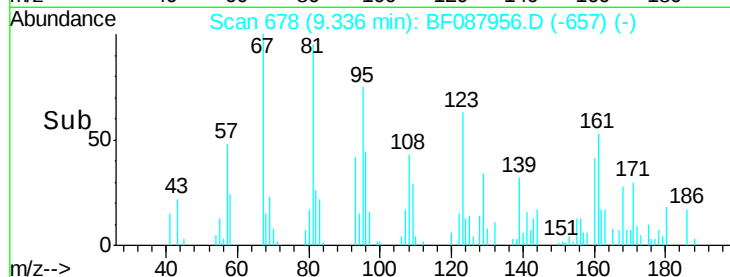
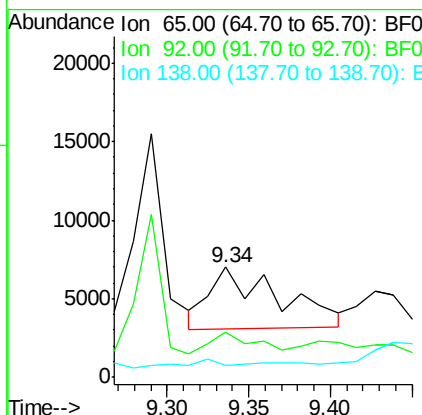
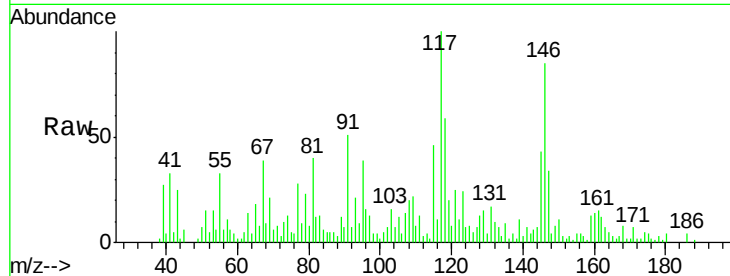




#47
2-Nitroaniline
Concen: 2.85 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.06 min
Lab File: BF087956.D
Acq: 12 Jun 2016 19:03

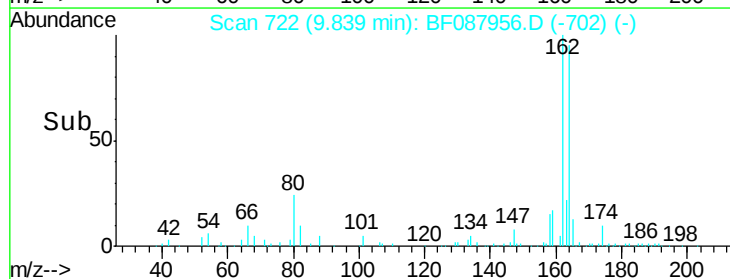
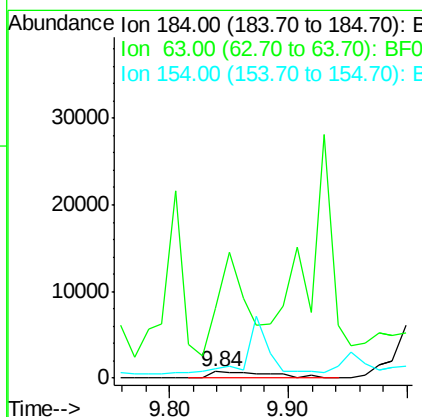
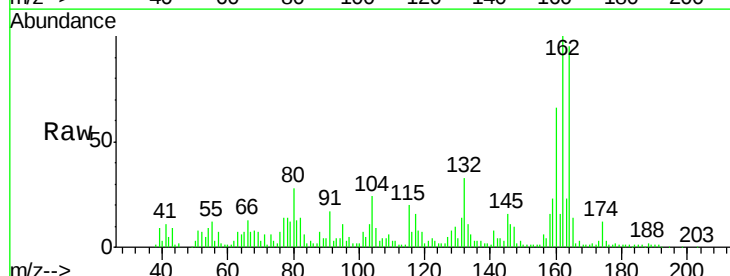
Instrument :
BNA_F
ClientSampleId :
W-10

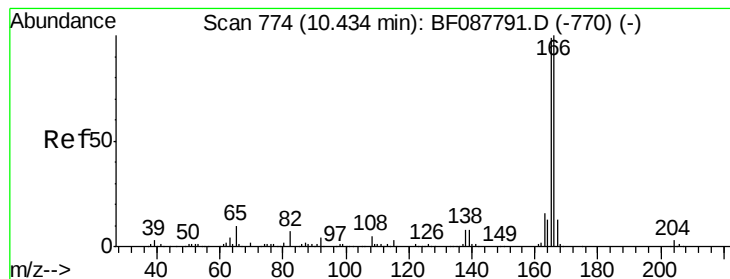
Tgt Ion: 65 Resp: 11408
Ion Ratio Lower Upper
65 100
92 41.5 54.6 82.0#
138 10.3 77.0 115.4#



#53
2,4-Dinitrophenol
Concen: 4.82 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.07 min
Lab File: BF087956.D
Acq: 12 Jun 2016 19:03

Tgt Ion: 184 Resp: 2694
Ion Ratio Lower Upper
184 100
63 1077.3 57.6 86.4#
154 151.2 53.5 80.3#





#57

Fluorene

Concen: Below Cal

RT: 10.39 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF087956.D

Acq: 12 Jun 2016 19:03

Instrument :

BNA_F

ClientSampleId :

W-10

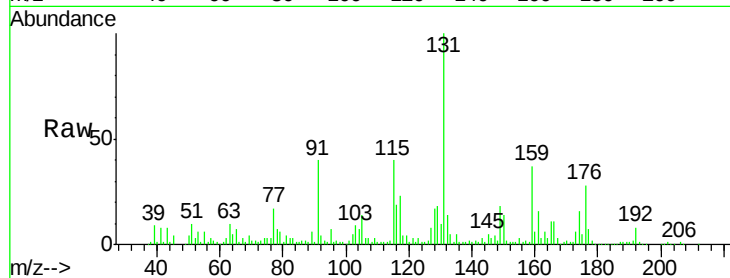
Tgt Ion:166 Resp: 20310

Ion Ratio Lower Upper

166 100

165 104.6 77.8 116.8

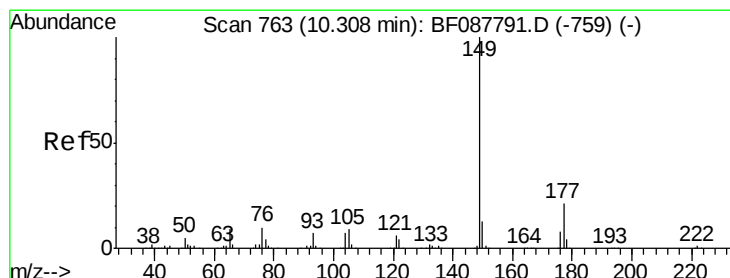
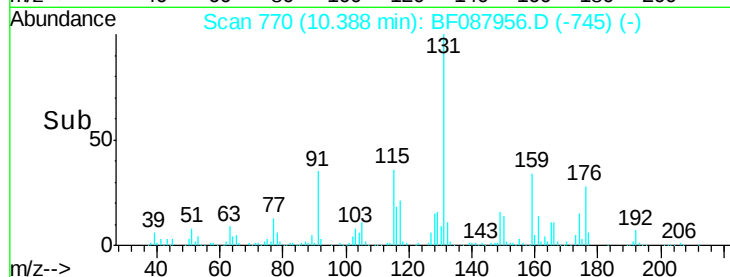
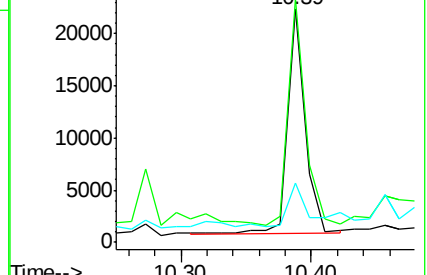
167 25.3 11.2 16.8#



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



#59

Diethylphthalate

Concen: 6.07 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.02 min

Lab File: BF087956.D

Acq: 12 Jun 2016 19:03

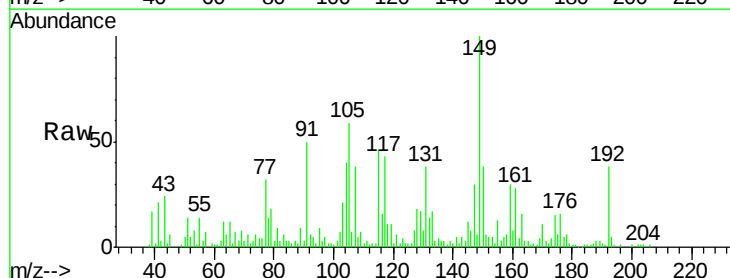
Tgt Ion:149 Resp: 93283

Ion Ratio Lower Upper

149 100

177 4.7 16.9 25.3#

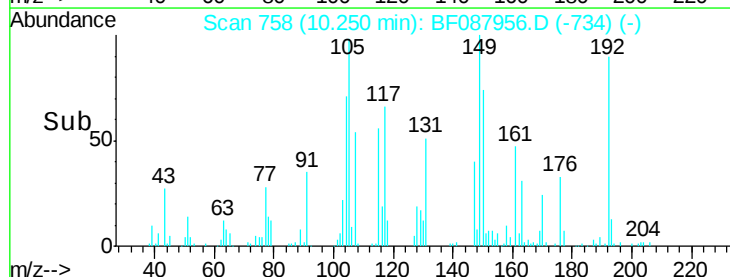
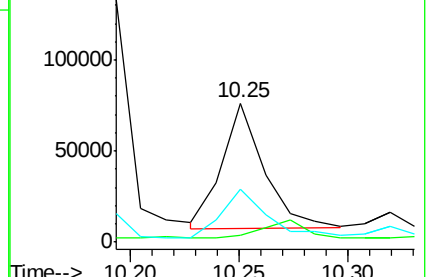
150 37.9 10.1 15.1#

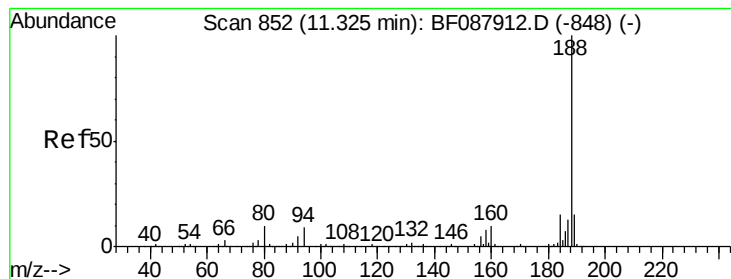


Abundance Ion 149.00 (148.70 to 149.70): E

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: 11.32 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF087956.D

Acq: 12 Jun 2016 19:03

Instrument :

BNA_F

ClientSampleId :

W-10

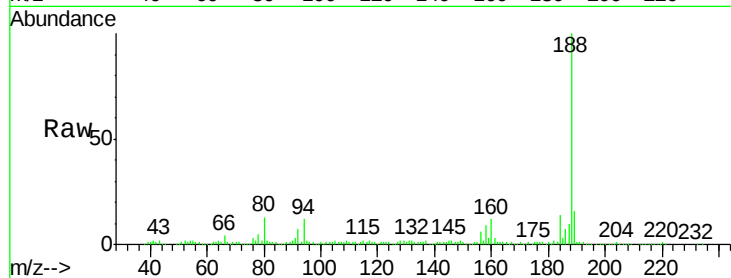
Tgt Ion:188 Resp: 372982

Ion Ratio Lower Upper

188 100

94 12.4 9.0 13.6

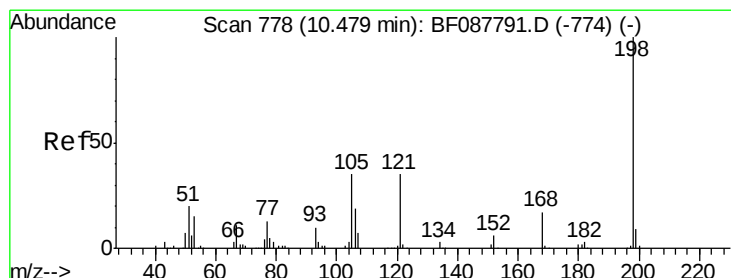
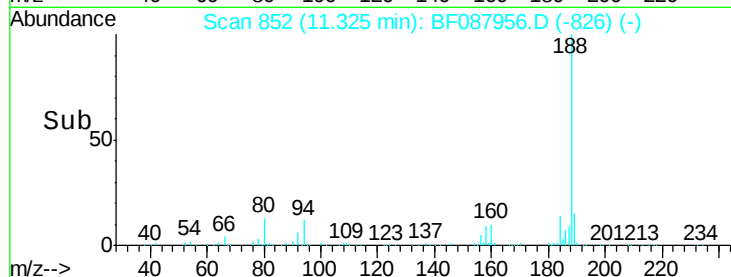
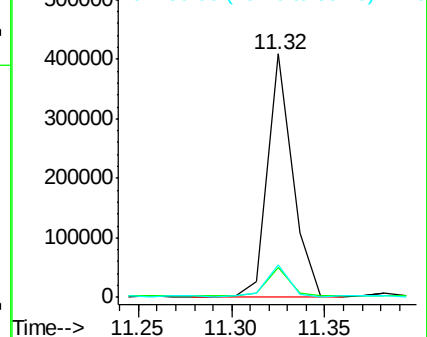
80 13.3 10.0 15.0



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: 3.63 ng

RT: 10.47 min Scan# 777

Delta R.T. 0.02 min

Lab File: BF087956.D

Acq: 12 Jun 2016 19:03

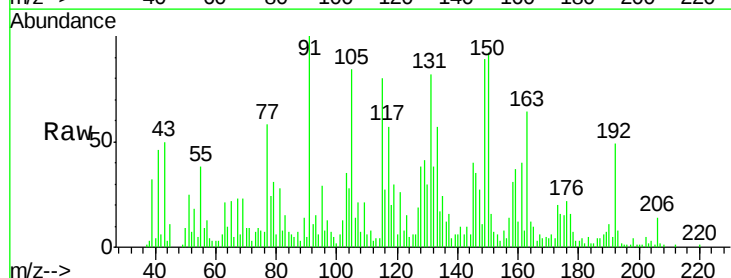
Tgt Ion:198 Resp: 3586

Ion Ratio Lower Upper

198 100

51 626.7 39.6 79.6#

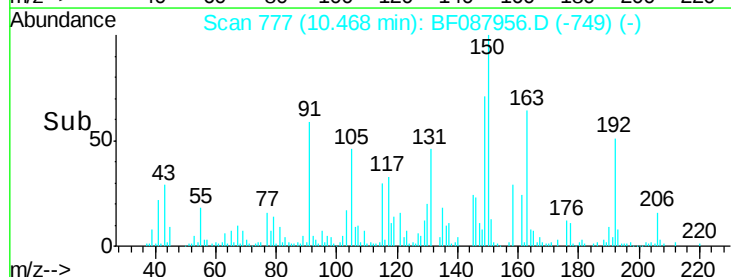
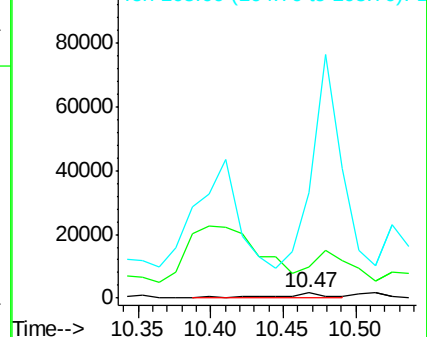
105 2159.1 36.6 76.6#

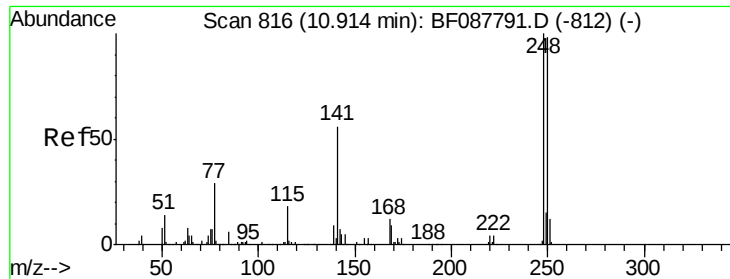


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.69 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.24 min

Lab File: BF087956.D

Acq: 12 Jun 2016 19:03

Instrument :

BNA_F

ClientSampled :

W-10

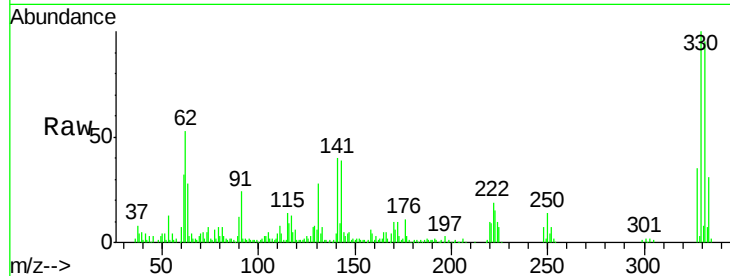
Tgt Ion:248 Resp: 14782

Ion Ratio Lower Upper

248 100

250 193.8 77.1 115.7#

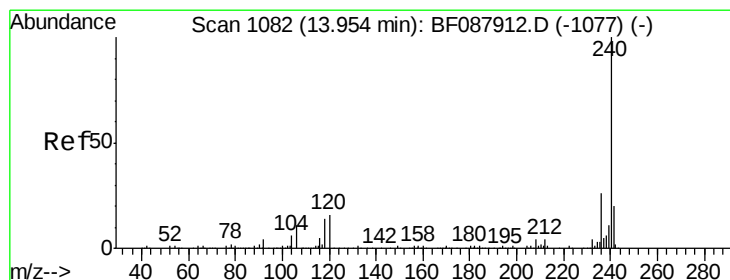
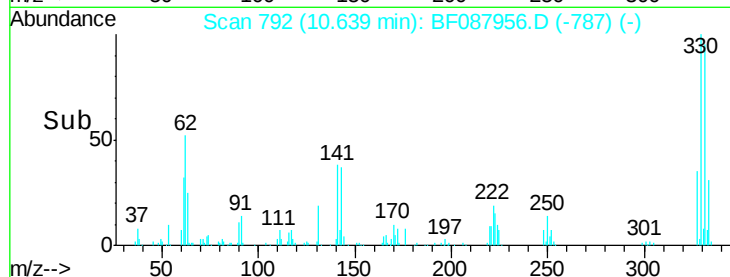
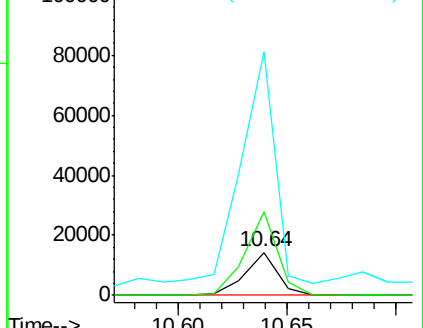
141 562.3 50.6 76.0#



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: BF087956.D

Acq: 12 Jun 2016 19:03

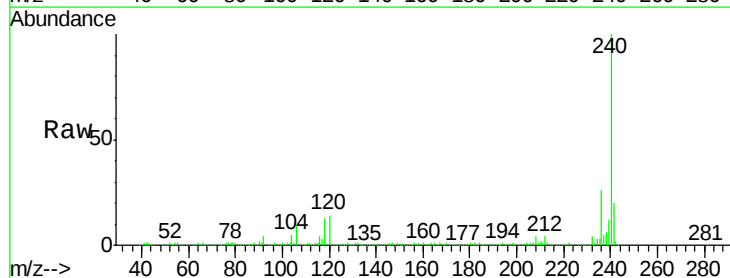
Tgt Ion:240 Resp: 292882

Ion Ratio Lower Upper

240 100

120 14.5 6.8 10.2#

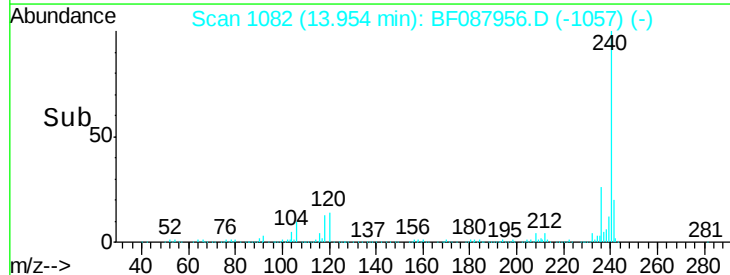
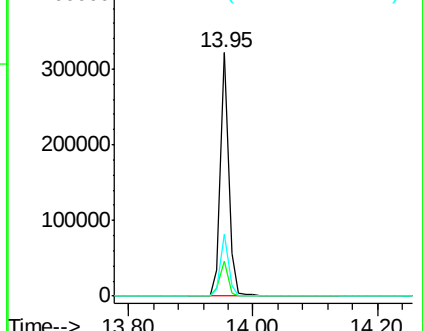
236 25.6 20.2 30.2

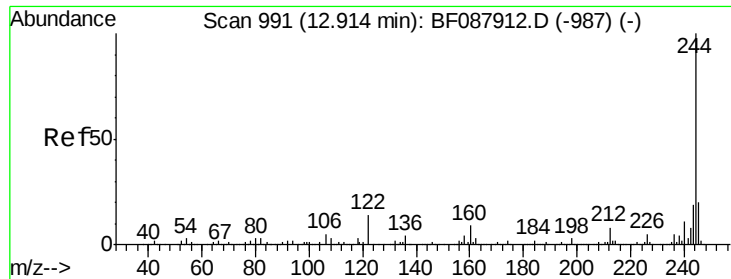


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

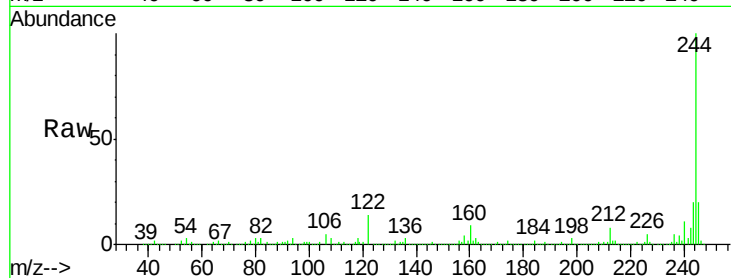




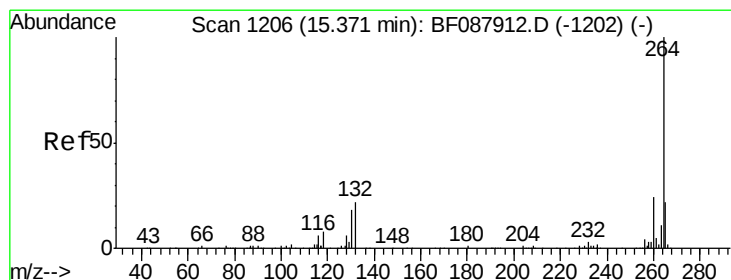
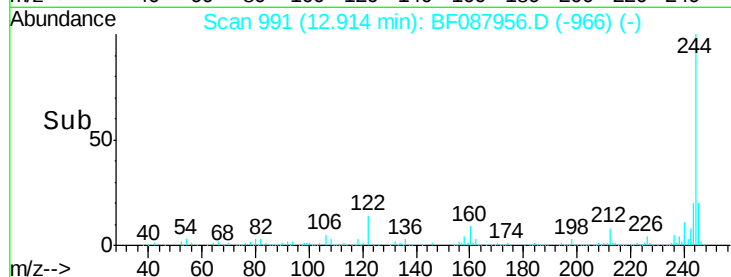
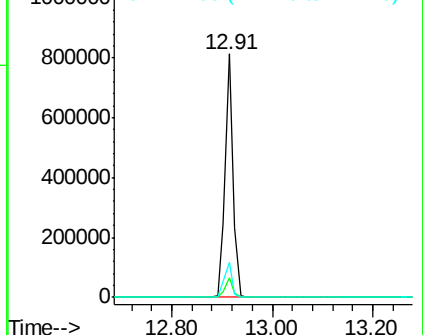
#78
 Terphenyl-d14
 Concen: 69.98 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF087956.D
 Acq: 12 Jun 2016 19:03

Instrument :
 BNA_F
 ClientSampled :
 W-10

Tgt Ion:244 Resp: 900638
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 14.2 11.2 16.8

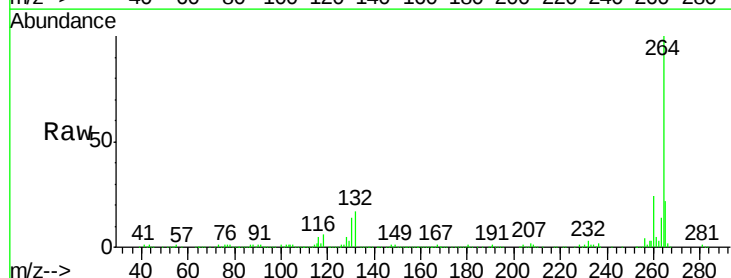


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF087956.D
 Acq: 12 Jun 2016 19:03

Tgt Ion:264 Resp: 247112
 Ion Ratio Lower Upper
 264 100
 260 23.6 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

