

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122315\
 Data File : BF084066.D
 Acq On : 24 Dec 2015 6:38
 Operator : UM/SJ
 Sample : G4925-04
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-27

Quant Time: Dec 24 07:22:51 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	47586	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	175981	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	77952	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	123108	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	91505	20.00	ng	-0.01
86) Perylene-d12	15.41	264	80411	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	128169	45.92	ng	0.00
7) Phenol-d6	6.48	99	102773	31.32	ng	0.00
23) Nitrobenzene-d5	7.39	82	258027	90.07	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	99303	132.44	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	505289	87.24	ng	-0.01
78) Terphenyl-d14	12.93	244	336948	87.82	ng	0.00

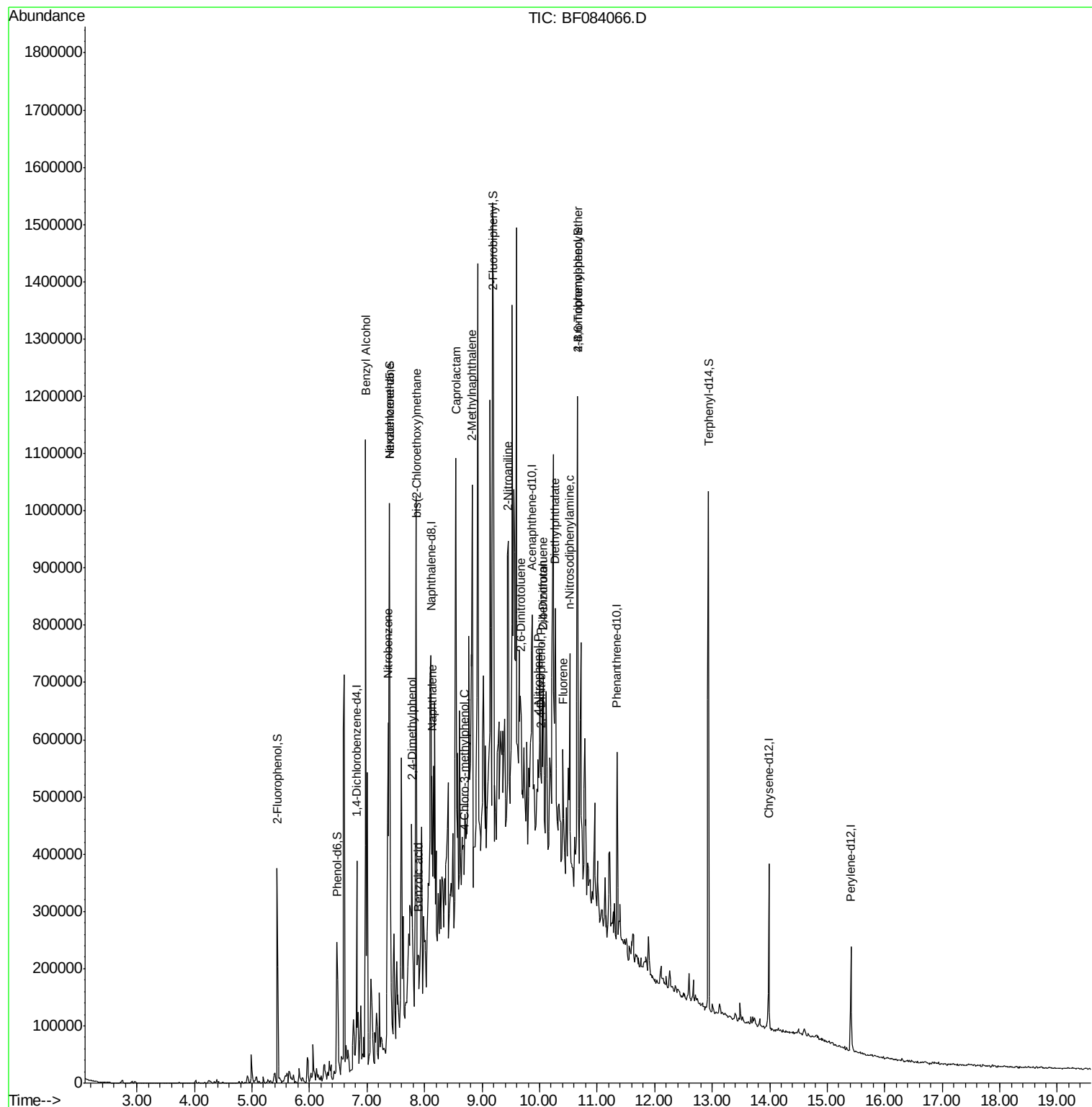
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.98	79	7724	2.99	ng	# 39
18) Hexachloroethane	7.39	117	125646	98.26	ng	# 8
24) Nitrobenzene	7.37	77	28555	9.67	ng	# 26
27) 2,4-Dimethylphenol	7.78	122	37090	13.39	ng	# 97
28) bis(2-Chloroethoxy)methane	7.86	93	7558	2.25	ng	# 1
31) Naphthalene	8.13	128	83965	9.34	ng	# 83
32) Benzoic acid	7.89	122	8509	11.21	ng	# 33
35) Caprolactam	8.54	113	25846	34.76	ng	# 50
36) 4-Chloro-3-methylphenol	8.69	107	5333	2.02	ng	# 44
37) 2-Methylnaphthalene	8.83	142	251087	43.13	ng	# 99
47) 2-Nitroaniline	9.45	65	2906	2.15	ng	# 47
50) 2,6-Dinitrotoluene	9.66	165	3879	3.01	ng	# 22
53) 2,4-Dinitrophenol	10.02	184	1205	9.97	ng	# 1
54) Dibenzofuran	10.06	168	15586	2.23	ng	# 13
55) 4-Nitrophenol	9.97	139	3698	4.60	ng	# 46
56) 2,4-Dinitrotoluene	10.06	165	4706	2.91	ng	# 53
57) Fluorene	10.41	166	15667	2.83	ng	# 90
59) Diethylphthalate	10.27	149	58463	9.75	ng	# 51
65) n-Nitrosodiphenylamine	10.52	169	10064	2.21	ng	# 56
66) 4-Bromophenyl-phenylether	10.66	248	7468	5.29	ng	# 1

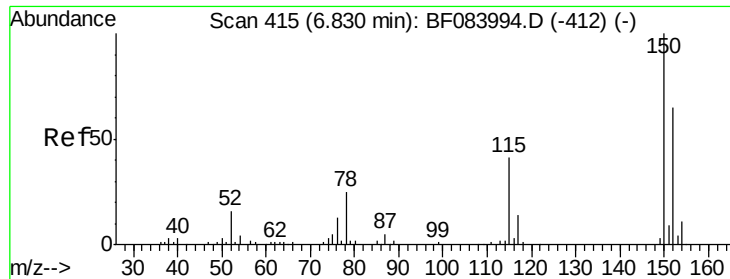
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

Instrument :

BNA_F

ClientSampleId :

MW-27

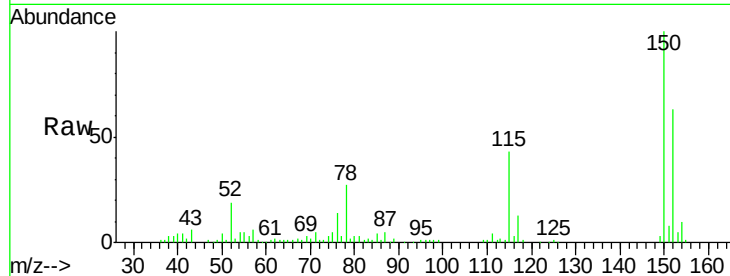
Tgt Ion:152 Resp: 47586

Ion Ratio Lower Upper

152 100

150 158.8 123.0 184.4

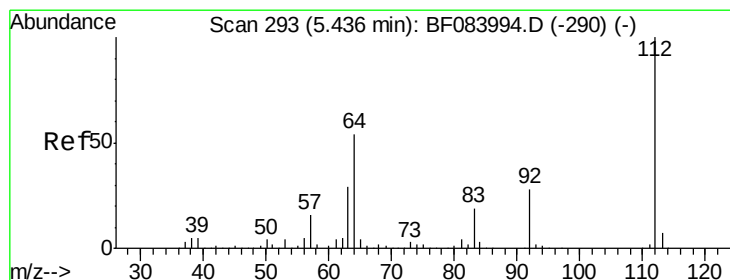
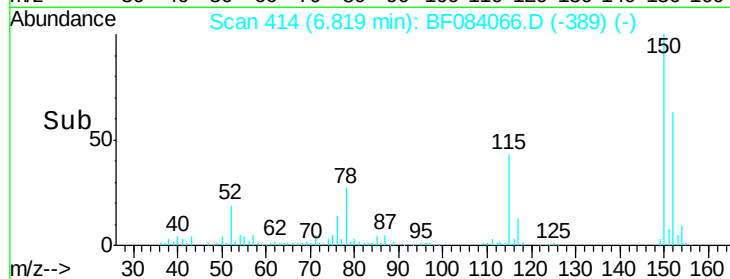
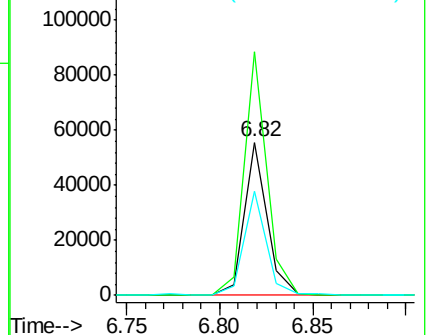
115 67.7 51.4 77.2



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: 45.92 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

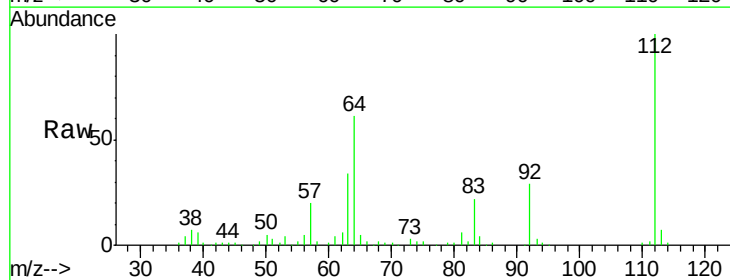
Tgt Ion:112 Resp: 128169

Ion Ratio Lower Upper

112 100

64 61.2 36.6 55.0#

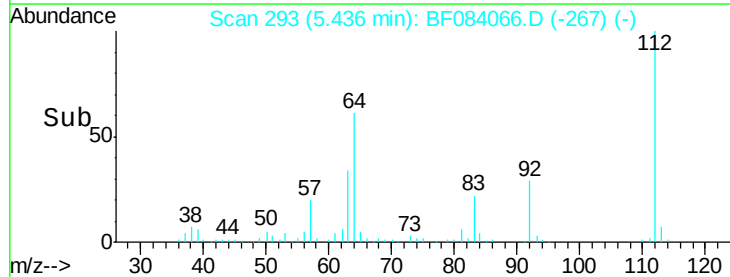
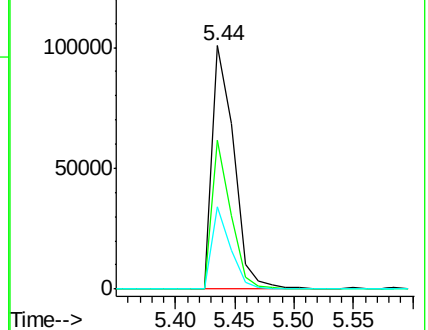
63 33.6 19.4 29.0#

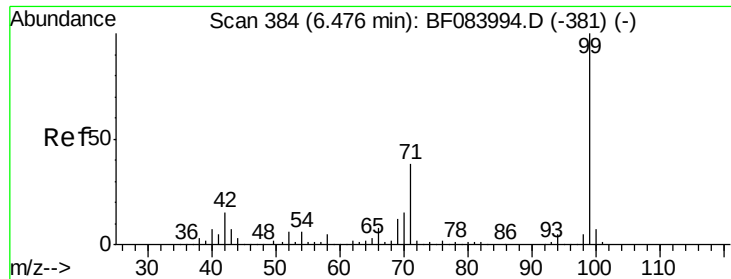


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.32 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

Instrument :

BNA_F

ClientSampleId :

MW-27

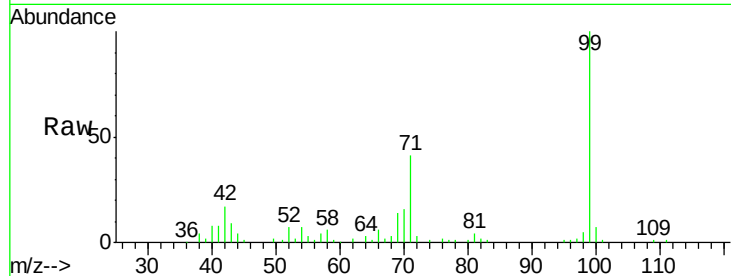
Tgt Ion: 99 Resp: 102773

Ion Ratio Lower Upper

99 100

42 17.2 12.8 19.2

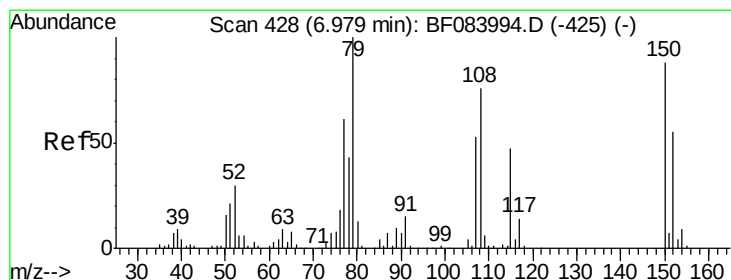
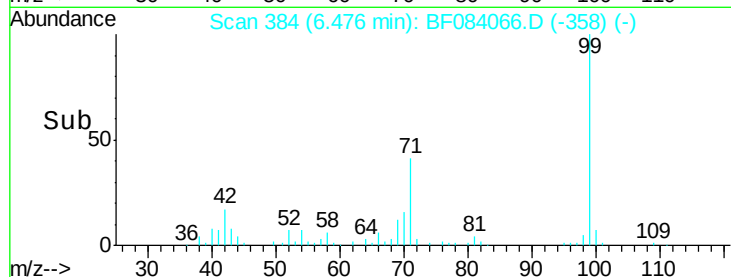
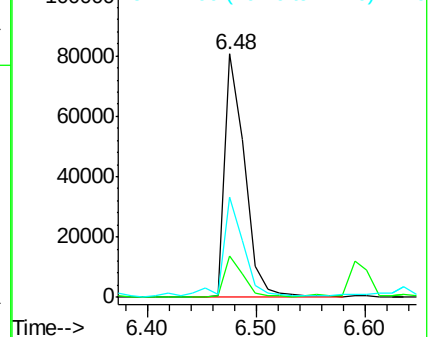
71 41.0 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.99 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

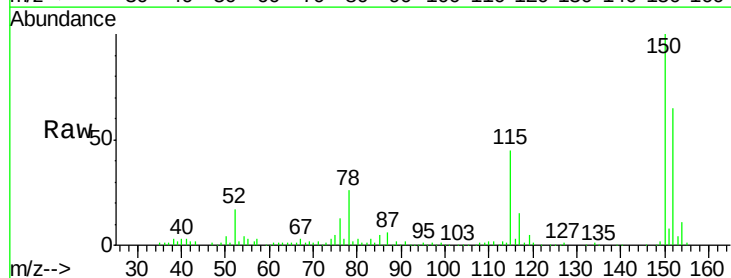
Tgt Ion: 79 Resp: 7724

Ion Ratio Lower Upper

79 100

108 29.2 69.0 103.4#

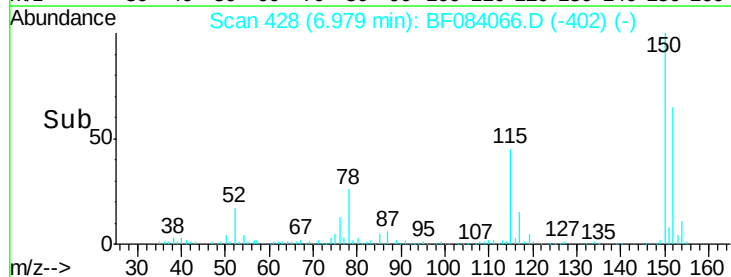
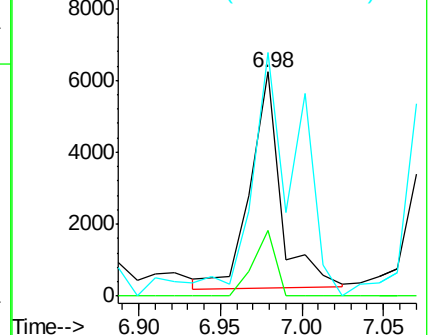
77 108.8 50.0 75.0#

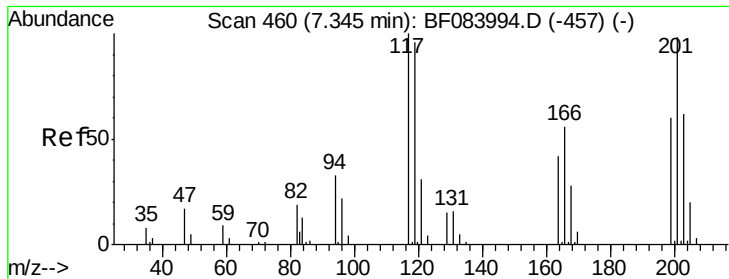


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

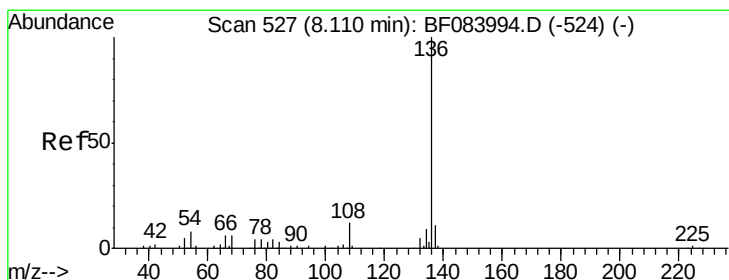
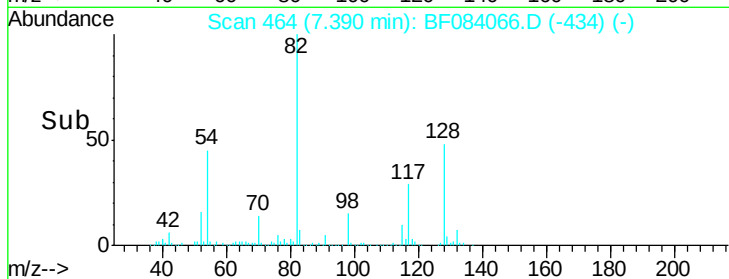
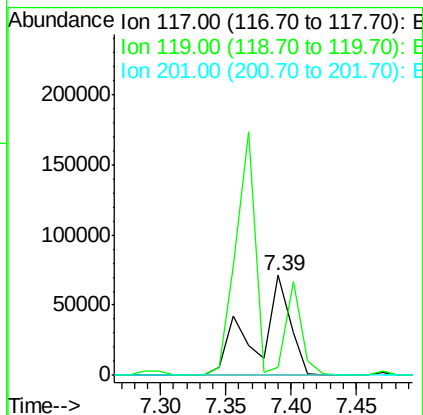
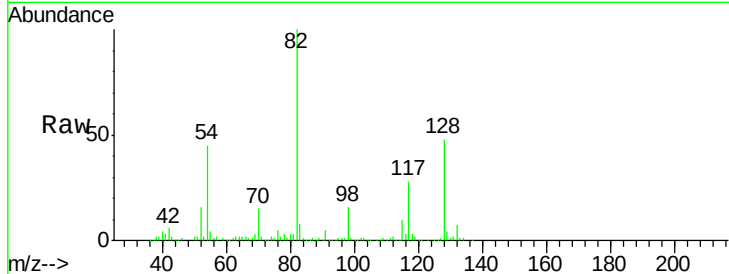




#18
Hexachloroethane
Concen: 98.26 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.05 min
Lab File: BF084066.D
Acq: 24 Dec 2015 6:38

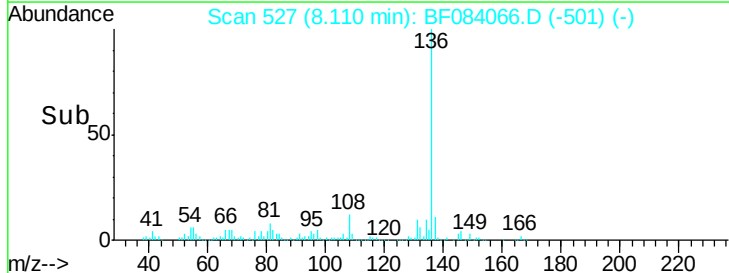
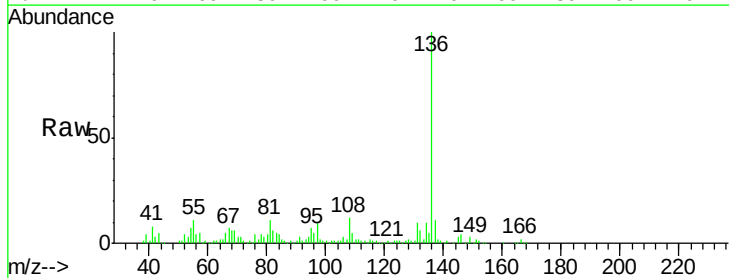
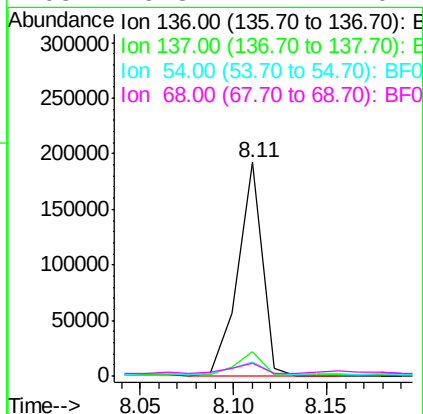
Instrument :
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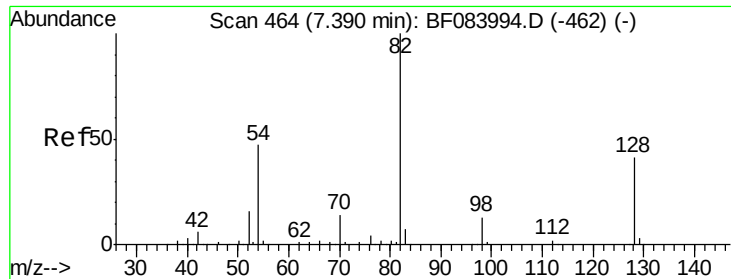
Tgt Ion:117 Resp: 125646
Ion Ratio Lower Upper
117 100
119 7.6 77.4 116.0#
201 0.0 68.6 103.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF084066.D
Acq: 24 Dec 2015 6:38

Tgt Ion:136 Resp: 175981
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 6.7 5.8 8.8
68 5.8 4.2 6.2

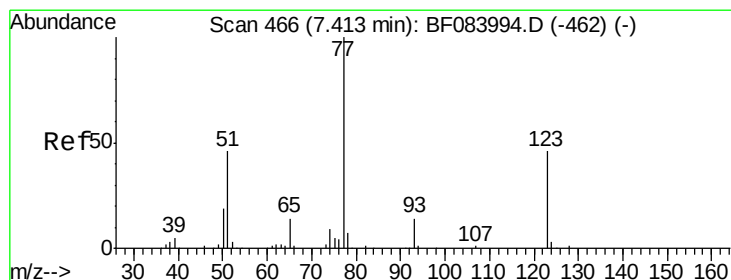
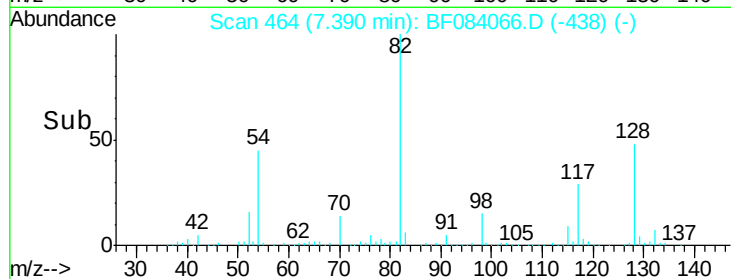
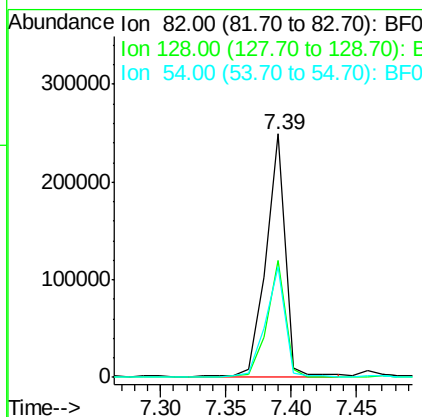
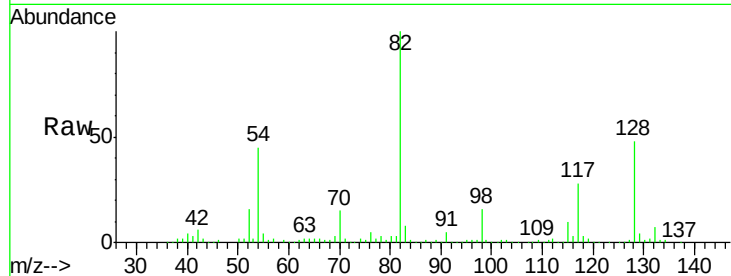




#23
Nitrobenzene-d5
Concen: 90.07 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF084066.D
Acq: 24 Dec 2015 6:38

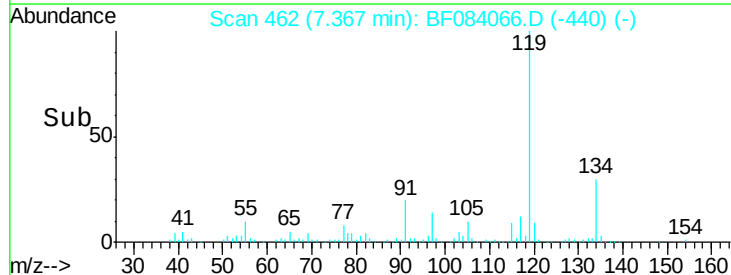
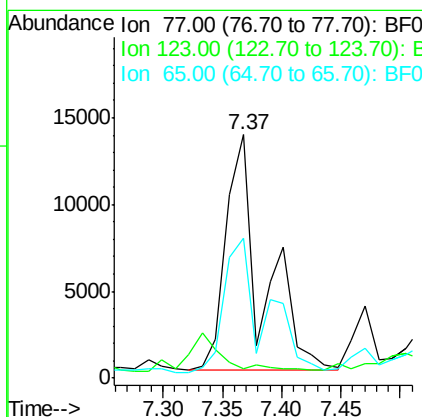
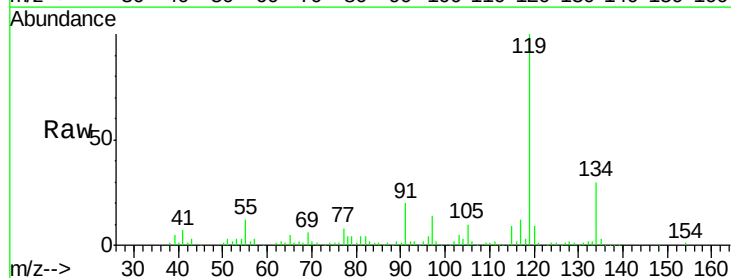
Instrument :
BNA_F
ClientSampleId :
MW-27

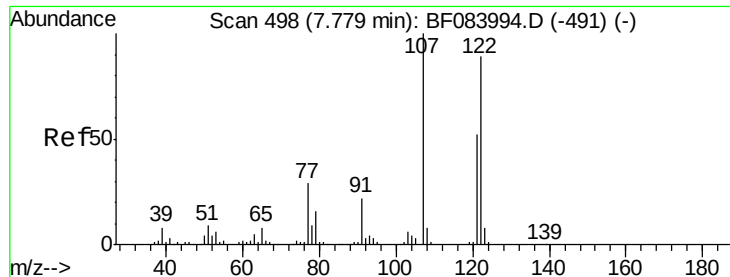
Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.6	51.8
54	45.5	38.4	57.6



#24
Nitrobenzene
Concen: 9.67 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF084066.D
Acq: 24 Dec 2015 6:38

Tgt Ion	Ratio	Lower	Upper
77	100		
123	3.9	37.4	56.2#
65	57.4	10.9	16.3#

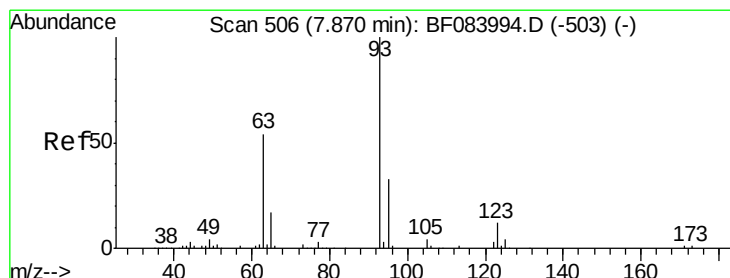
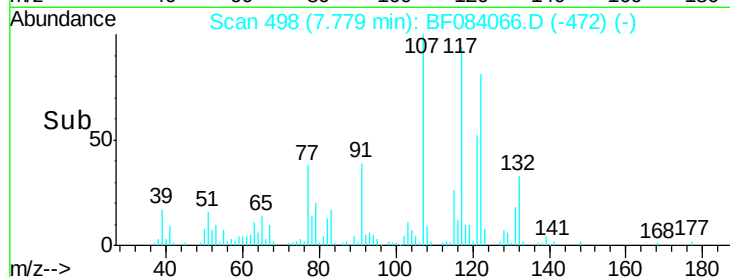
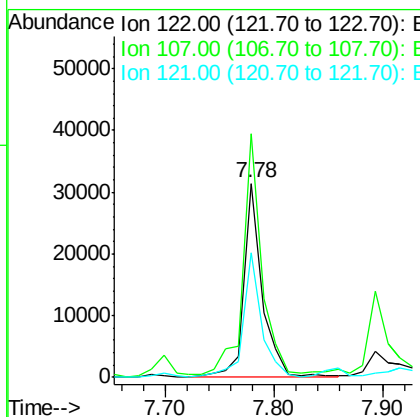
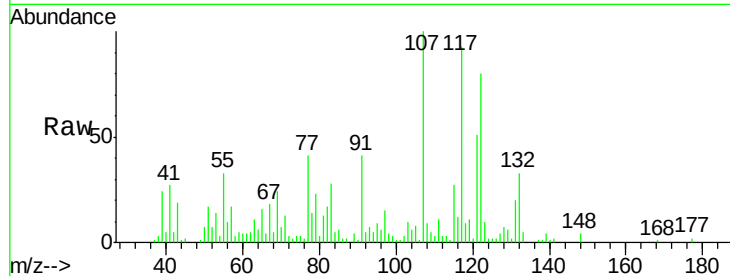




#27
 2,4-Dimethylphenol
 Concen: 13.39 ng
 RT: 7.78 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: BF084066.D
 Acq: 24 Dec 2015 6:38

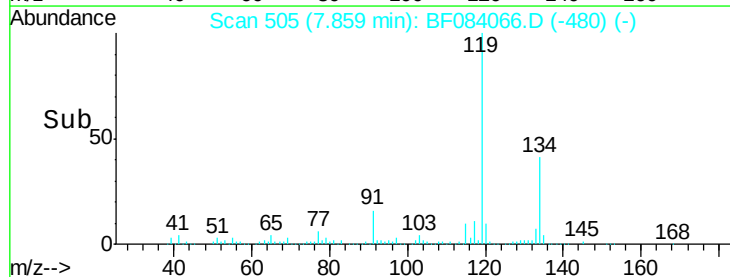
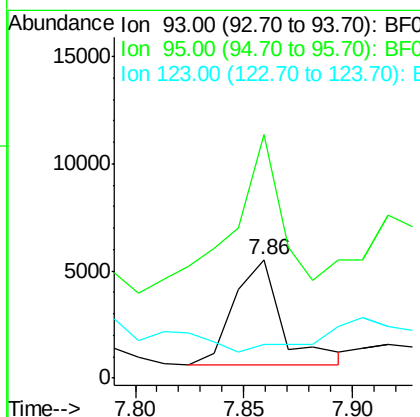
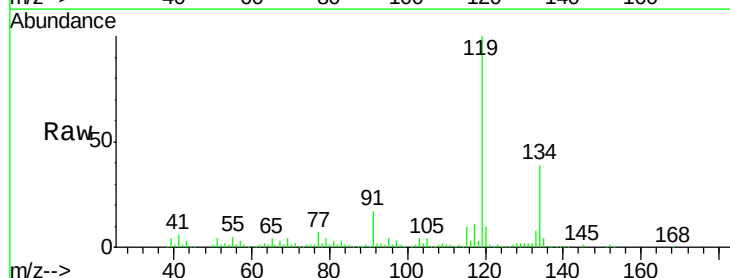
Instrument :
 BNA_F
 ClientSampled :
 MW-27

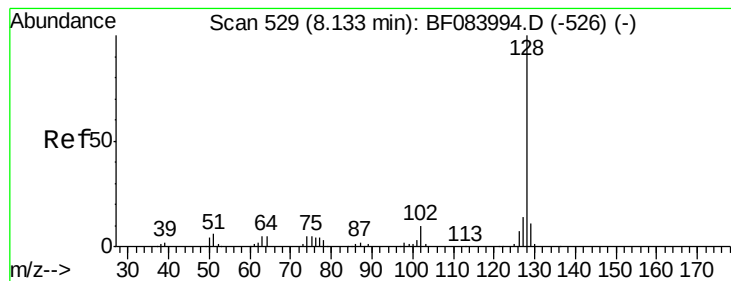
Tgt Ion:122 Resp: 37090
 Ion Ratio Lower Upper
 122 100
 107 125.4 99.1 148.7
 121 64.0 47.9 71.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.25 ng
 RT: 7.86 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: BF084066.D
 Acq: 24 Dec 2015 6:38

Tgt Ion: 93 Resp: 7558
 Ion Ratio Lower Upper
 93 100
 95 205.3 25.8 38.6#
 123 28.0 8.6 12.8#





#31

Naphthalene

Concen: 9.34 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

Instrument :

BNA_F

ClientSampleId :

MW-27

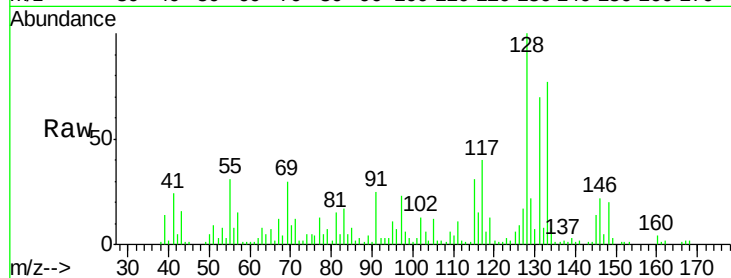
Tgt Ion:128 Resp: 83965

Ion Ratio Lower Upper

128 100

129 22.0 9.1 13.7#

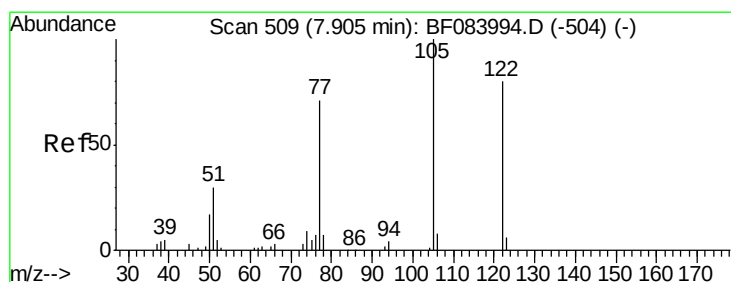
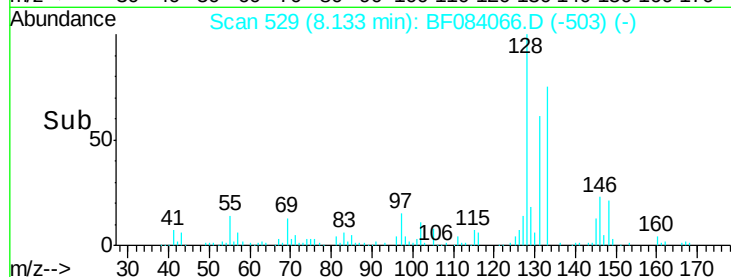
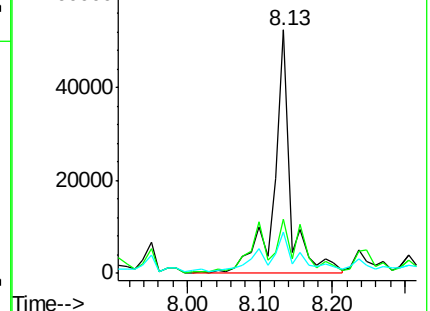
127 16.9 11.1 16.7#



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: 11.21 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.01 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

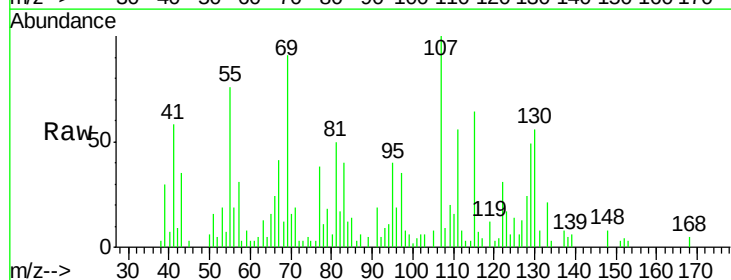
Tgt Ion:122 Resp: 8509

Ion Ratio Lower Upper

122 100

105 26.5 100.3 140.3#

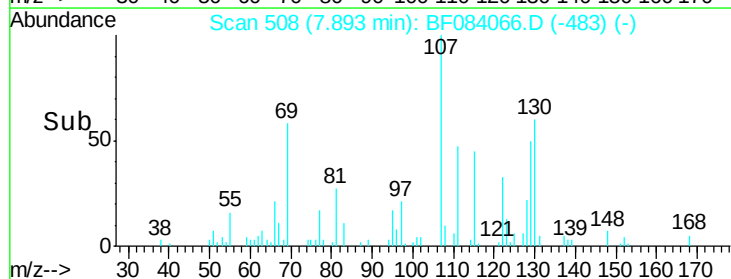
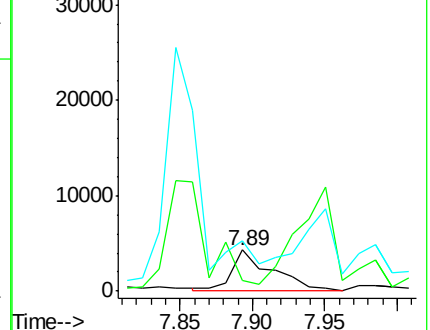
77 122.4 63.5 103.5#

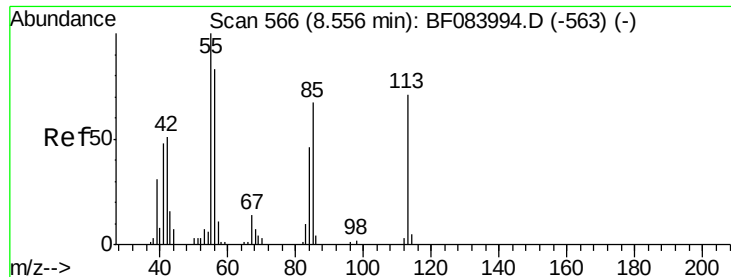


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

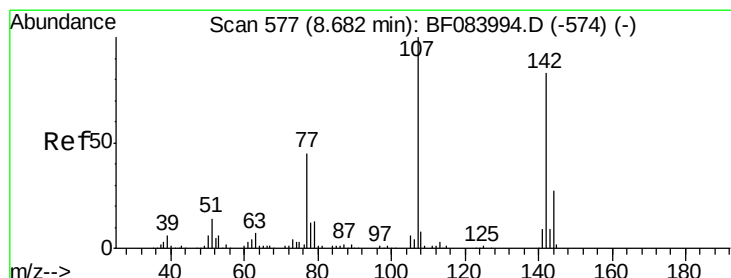
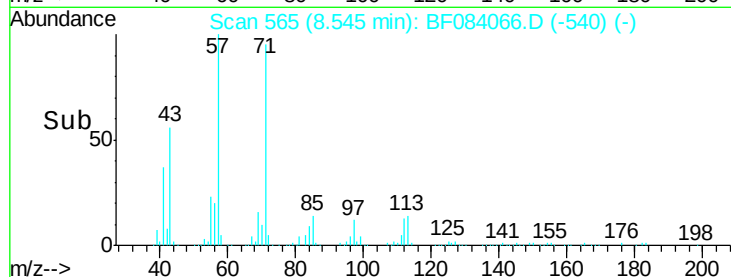
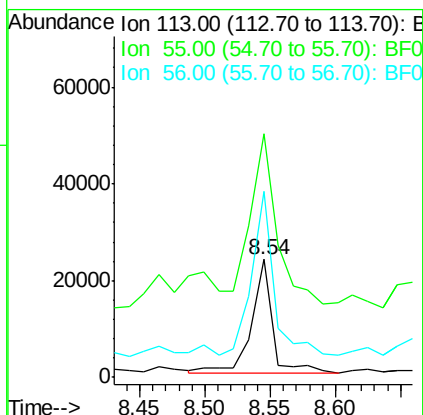
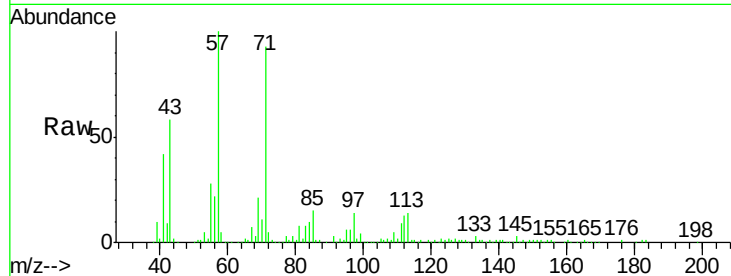




#35
 Caprolactam
 Concen: 34.76 ng
 RT: 8.54 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF084066.D
 Acq: 24 Dec 2015 6:38

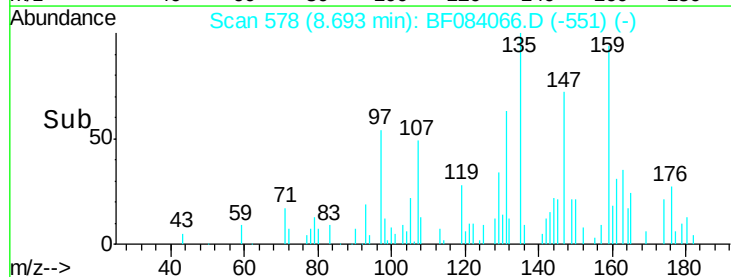
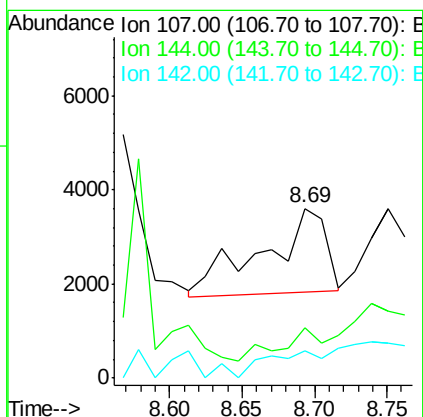
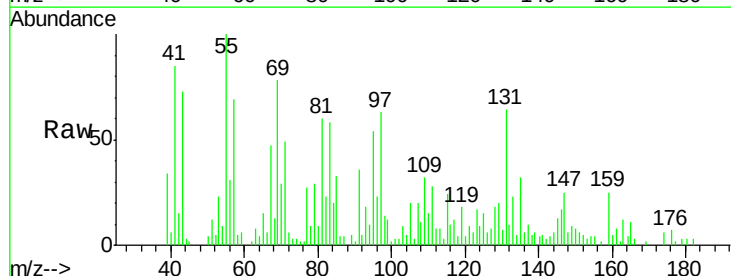
Instrument :
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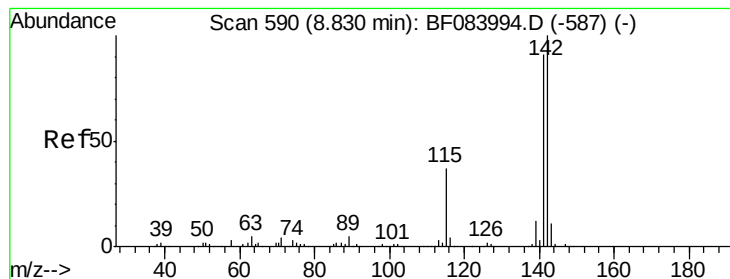
Tgt Ion:113 Resp: 25846
 Ion Ratio Lower Upper
 113 100
 55 206.7 116.9 156.9#
 56 158.0 93.8 133.8#



#36
 4-Chloro-3-methylphenol
 Concen: 2.02 ng
 RT: 8.69 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF084066.D
 Acq: 24 Dec 2015 6:38

Tgt Ion:107 Resp: 5333
 Ion Ratio Lower Upper
 107 100
 144 29.3 19.7 29.5
 142 16.4 61.8 92.6#





#37

2-Methylnaphthalene

Concen: 43.13 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.00 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

Instrument :

BNA_F

ClientSampleId :

MW-27

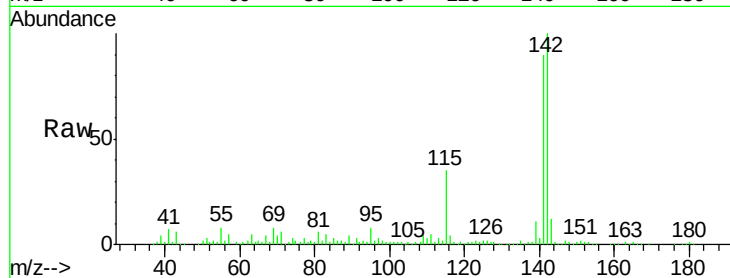
Tgt Ion:142 Resp: 251087

Ion Ratio Lower Upper

142 100

141 90.0 72.4 108.6

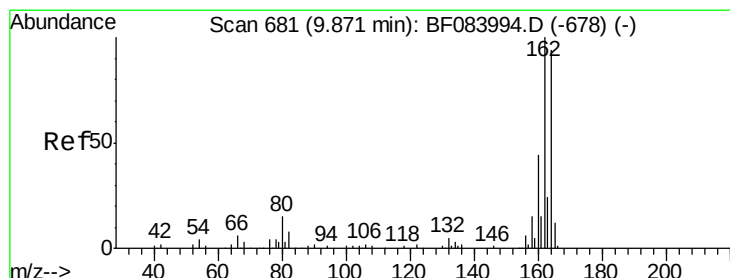
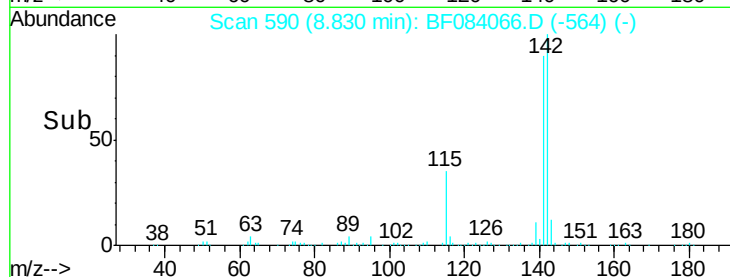
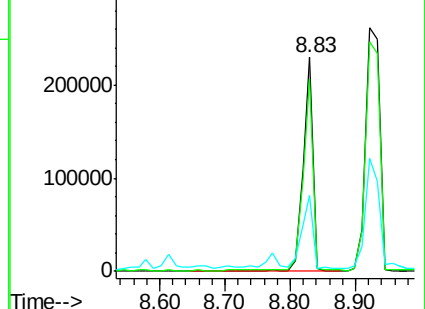
115 35.5 27.9 41.9



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: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

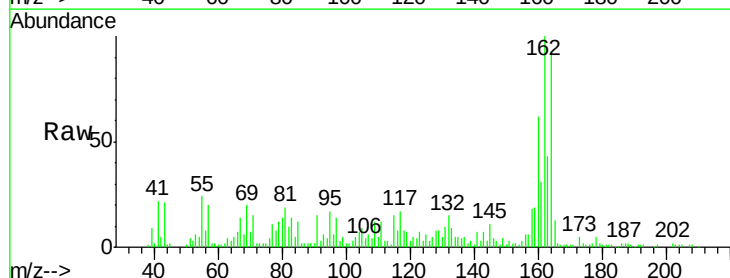
Tgt Ion:164 Resp: 77952

Ion Ratio Lower Upper

164 100

162 107.5 85.1 127.7

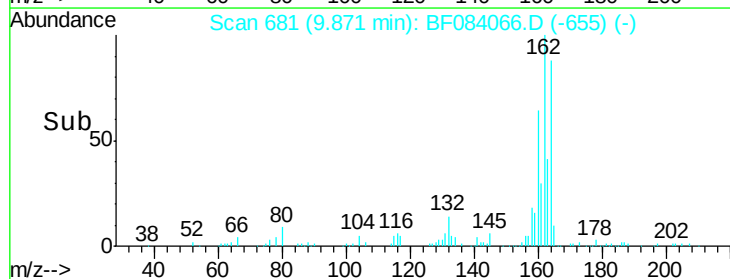
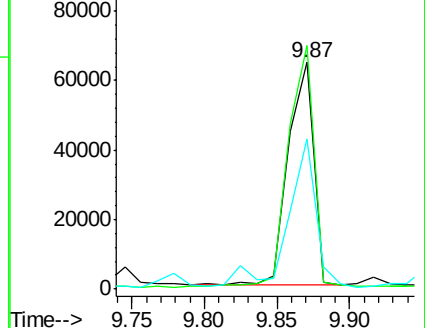
160 66.4 37.5 56.3#

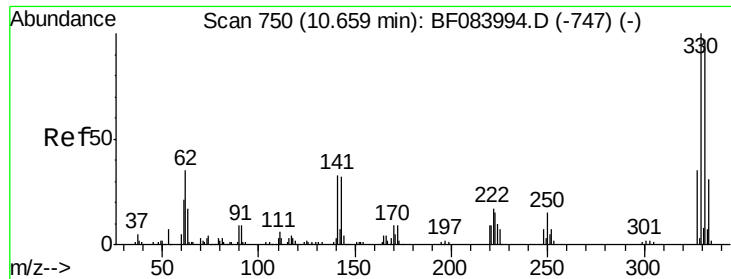


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

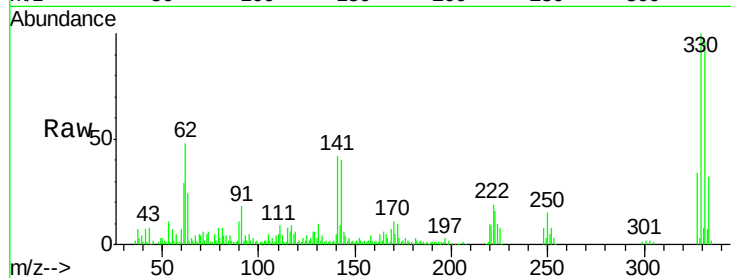




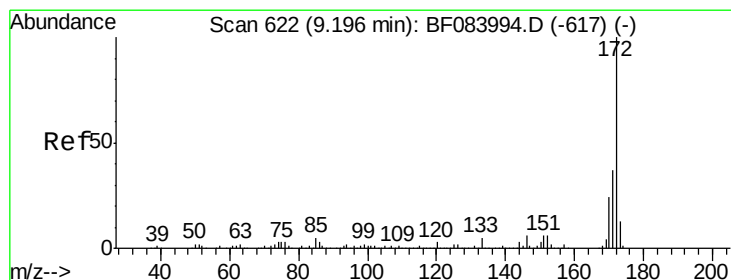
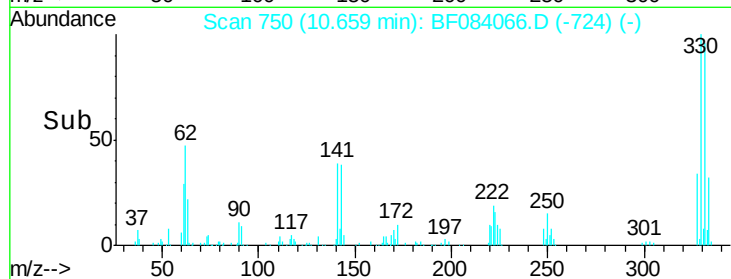
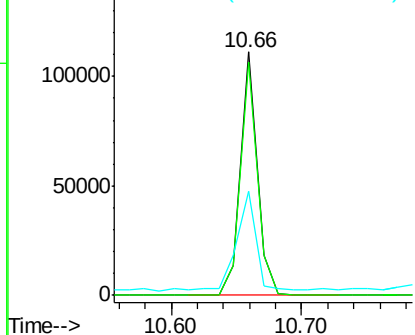
#41
 2,4,6-Tribromophenol
 Concen: 132.44 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084066.D
 Acq: 24 Dec 2015 6:38

Instrument :
 BNA_F
 ClientSampled :
 MW-27

Tgt Ion:330 Resp: 99303
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 47.3 27.8 41.6#

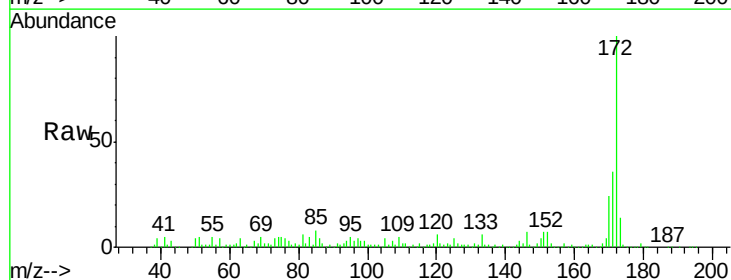


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

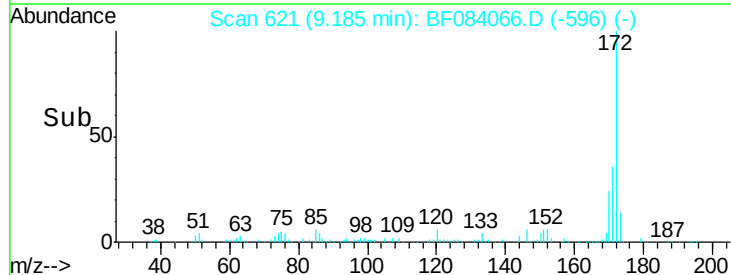
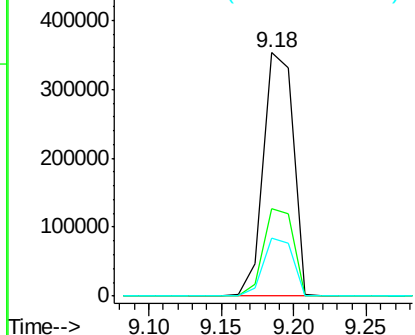


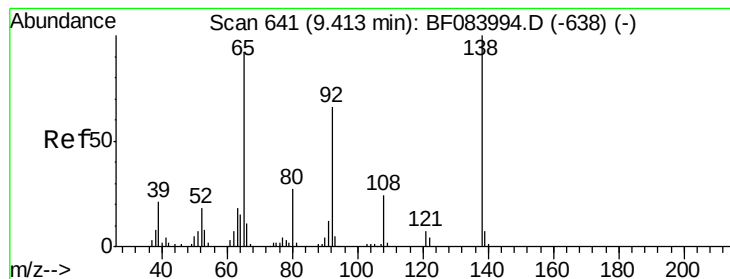
#44
 2-Fluorobiphenyl
 Concen: 87.24 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084066.D
 Acq: 24 Dec 2015 6:38

Tgt Ion:172 Resp: 505289
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.9 43.3
 170 23.8 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





#47

2-Nitroaniline

Concen: 2.15 ng

RT: 9.45 min Scan# 644

Delta R.T. 0.03 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

Instrument :

BNA_F

ClientSampleId :

MW-27

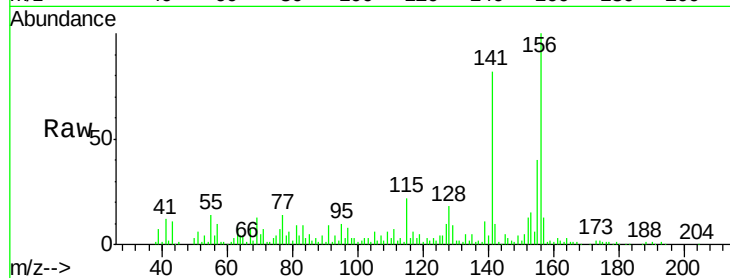
Tgt Ion: 65 Resp: 2906

Ion Ratio Lower Upper

65 100

92 31.2 53.4 80.2#

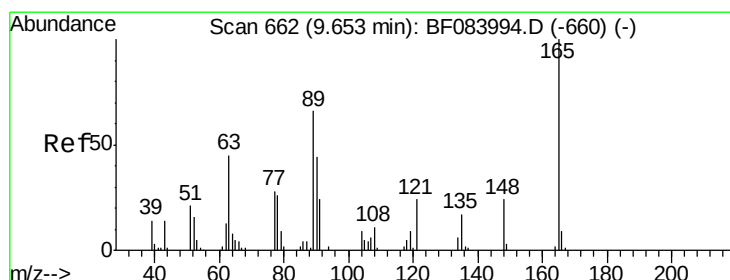
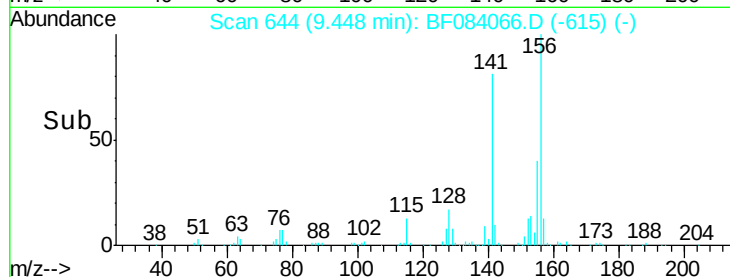
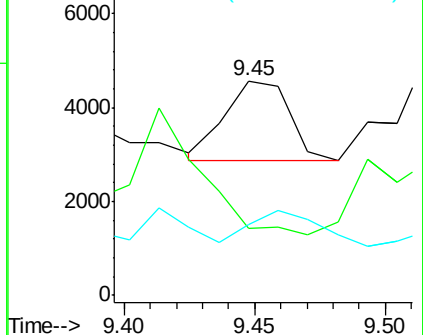
138 33.2 71.1 106.7#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#50

2,6-Dinitrotoluene

Concen: 3.01 ng

RT: 9.66 min Scan# 663

Delta R.T. 0.01 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

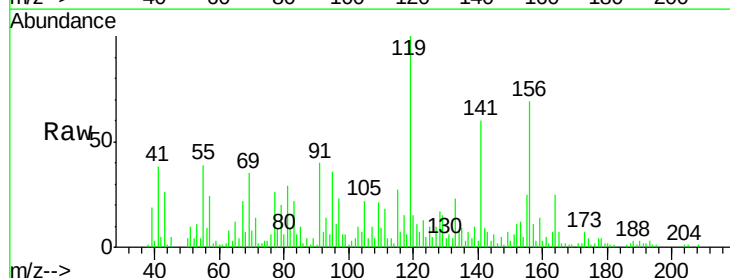
Tgt Ion: 165 Resp: 3879

Ion Ratio Lower Upper

165 100

63 116.0 28.8 43.2#

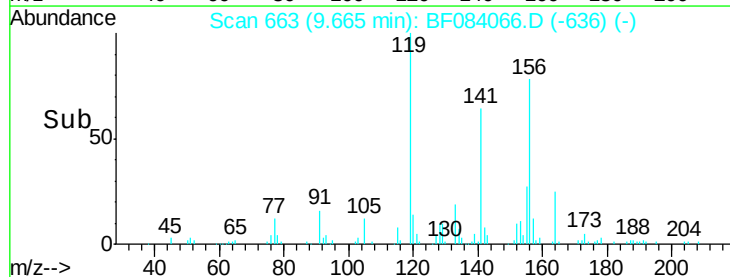
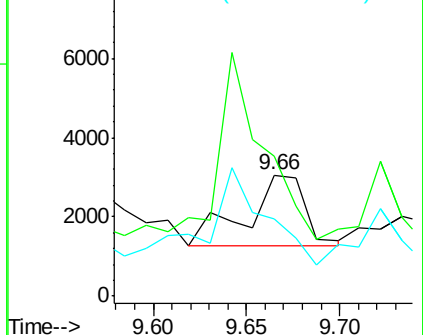
89 63.8 35.1 52.7#

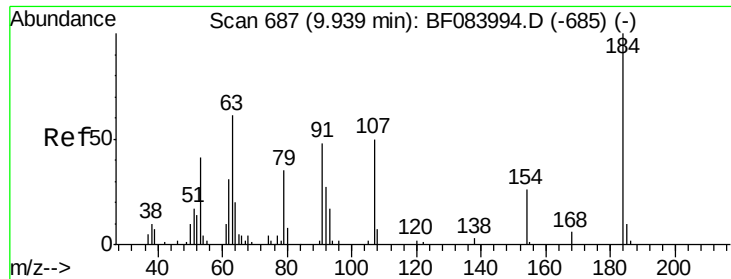


Abundance Ion 165.00 (164.70 to 165.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

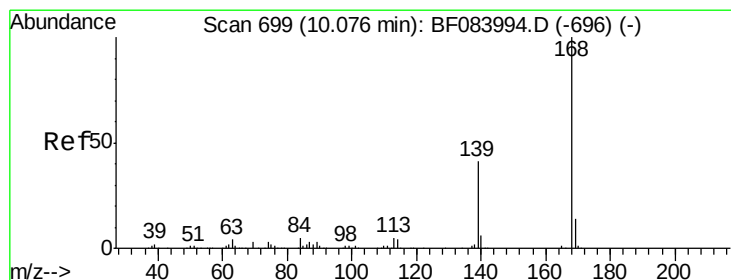
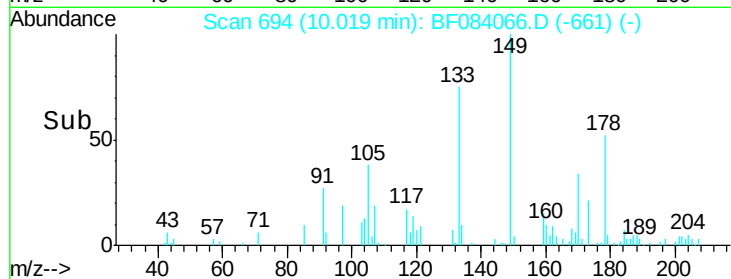
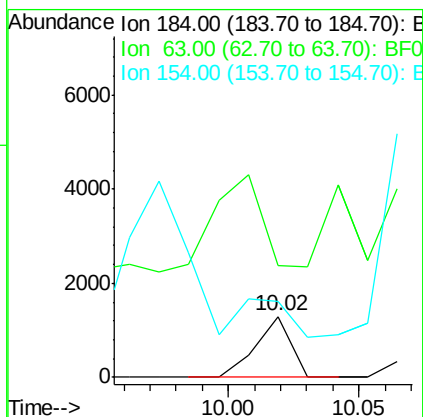
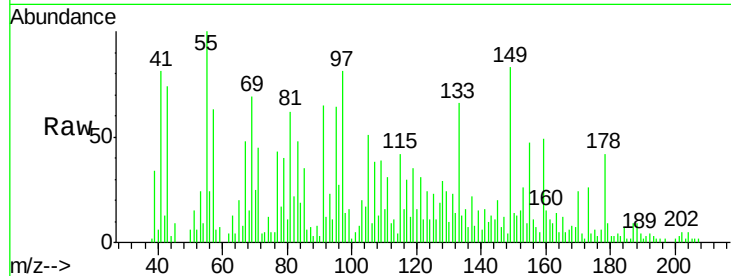




#53
2,4-Dinitrophenol
Concen: 9.97 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.08 min
Lab File: BF084066.D
Acq: 24 Dec 2015 6:38

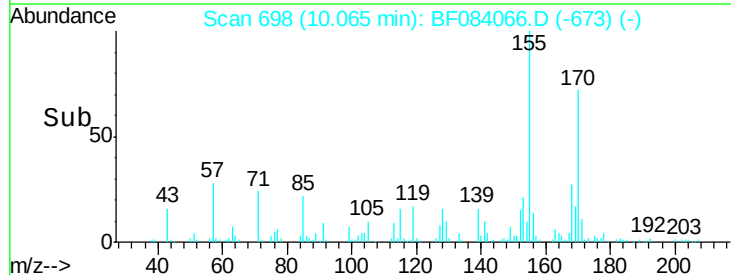
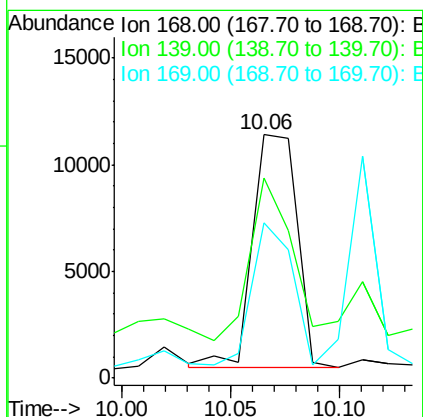
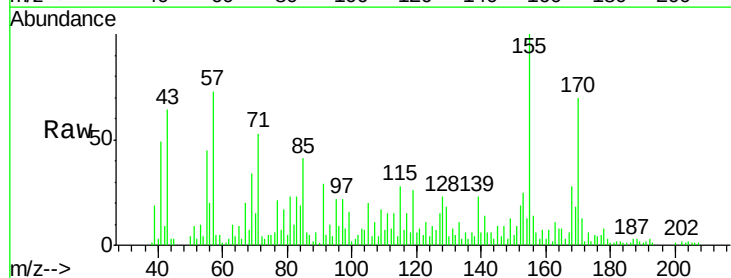
Instrument :
BNA_F
ClientSampleId :
MW-27

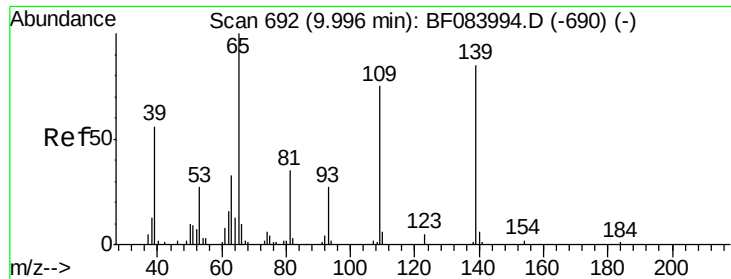
Tgt Ion:184 Resp: 1205
Ion Ratio Lower Upper
184 100
63 183.7 43.1 64.7#
154 125.2 60.5 90.7#



#54
Dibenzofuran
Concen: 2.23 ng
RT: 10.06 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF084066.D
Acq: 24 Dec 2015 6:38

Tgt Ion:168 Resp: 15586
Ion Ratio Lower Upper
168 100
139 82.3 30.5 45.7#
169 64.0 10.4 15.6#





#55

4-Nitrophenol

Concen: 4.60 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

Instrument :

BNA_F

ClientSampleId :

MW-27

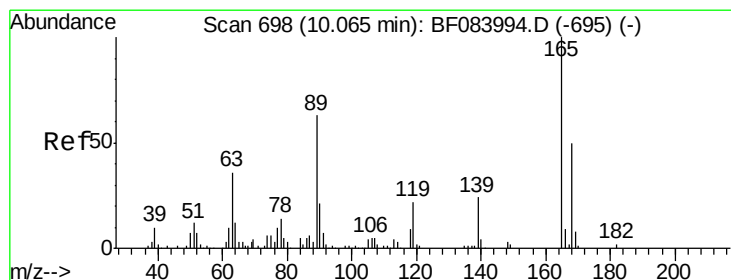
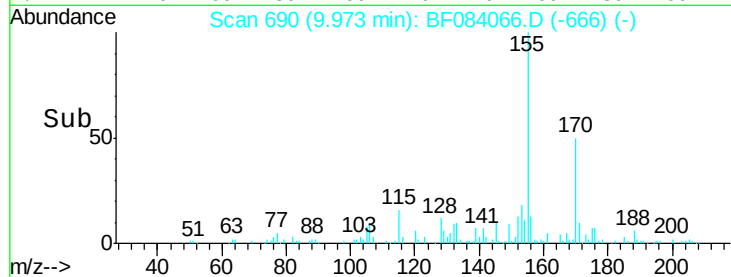
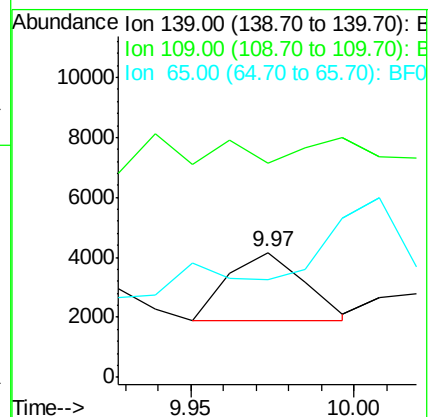
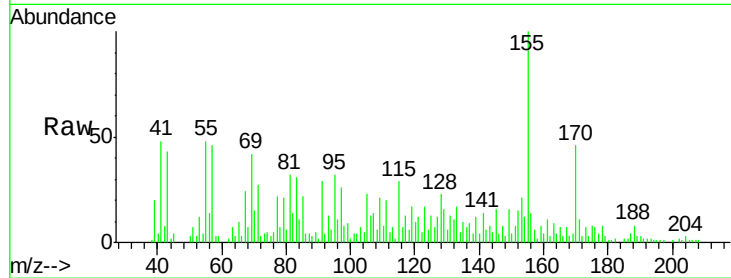
Tgt Ion:139 Resp: 3698

Ion Ratio Lower Upper

139 100

109 171.1 58.5 98.5#

65 78.4 57.6 97.6



#56

2,4-Dinitrotoluene

Concen: 2.91 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

Tgt Ion:165 Resp: 4706

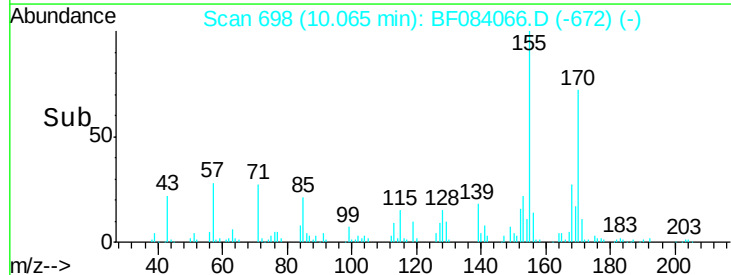
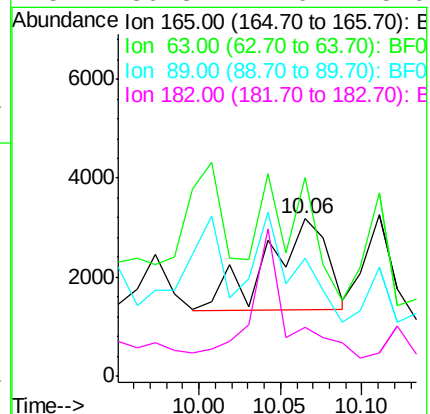
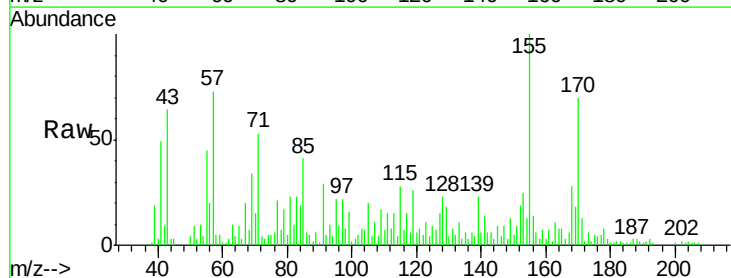
Ion Ratio Lower Upper

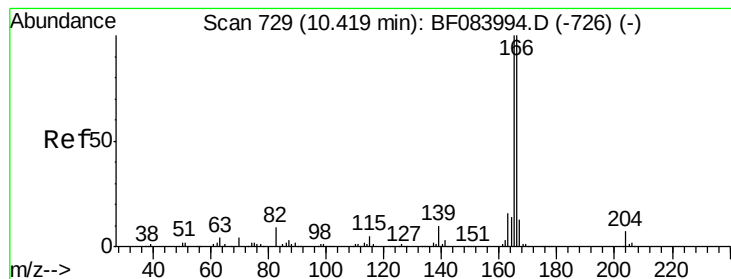
165 100

63 126.2 36.7 55.1#

89 75.4 61.9 92.9

182 30.8 2.0 3.0#





#57

Fluorene

Concen: 2.83 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

Instrument :

BNA_F

ClientSampleId :

MW-27

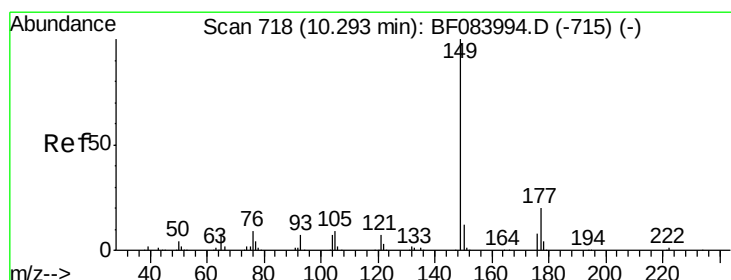
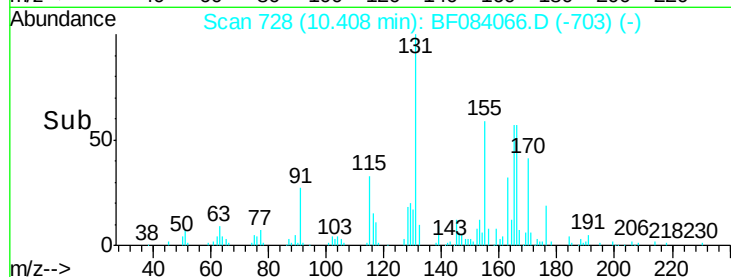
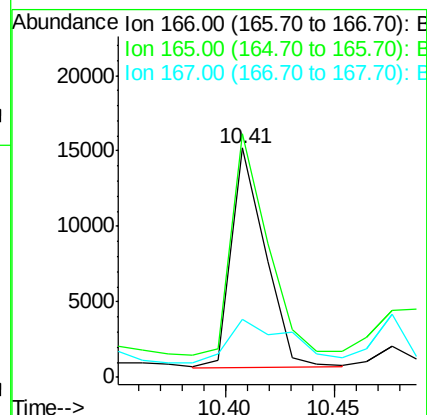
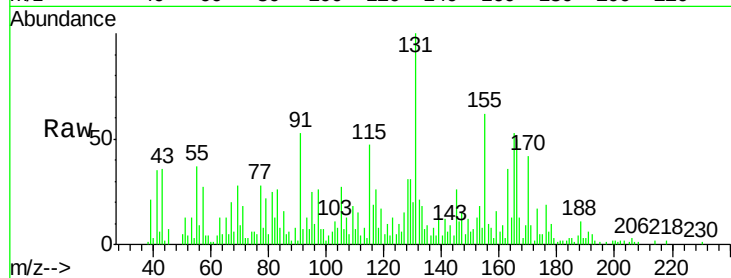
Tgt Ion:166 Resp: 15667

Ion Ratio Lower Upper

166 100

165 106.2 79.1 118.7

167 25.2 10.4 15.6#



#59

Diethylphthalate

Concen: 9.75 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF084066.D

Acq: 24 Dec 2015 6:38

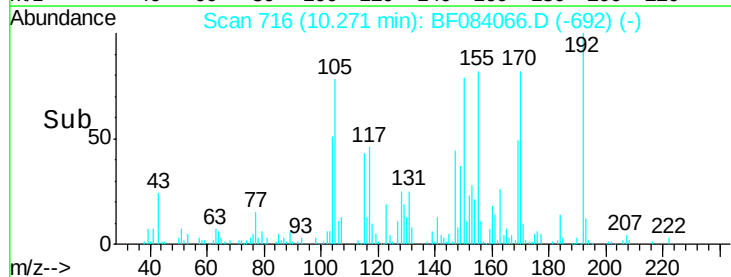
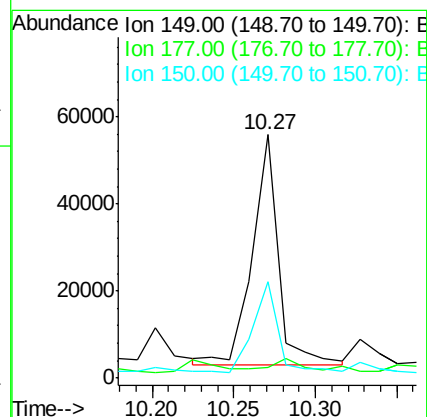
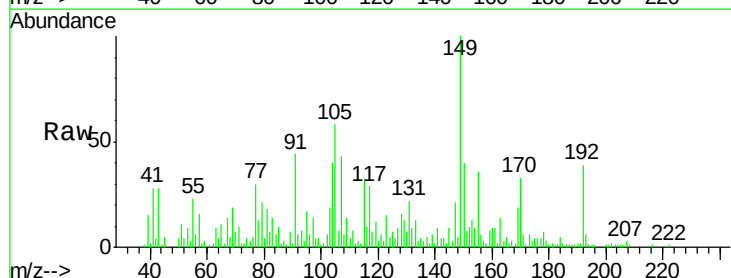
Tgt Ion:149 Resp: 58463

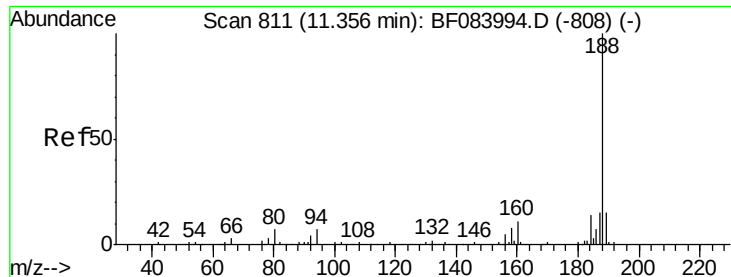
Ion Ratio Lower Upper

149 100

177 4.5 17.3 25.9#

150 39.9 9.8 14.8#

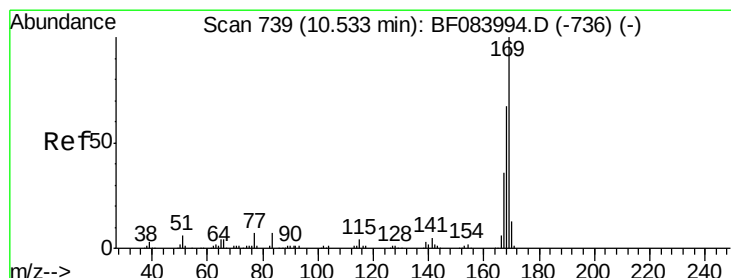
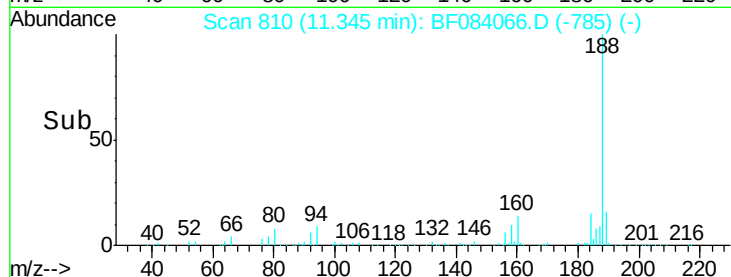
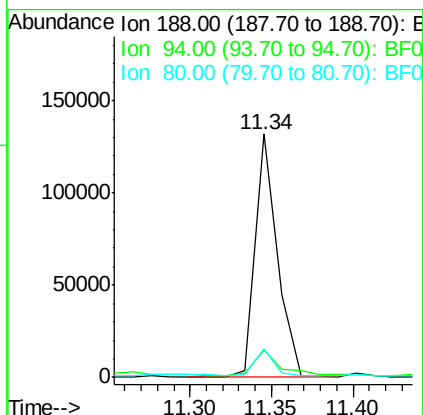
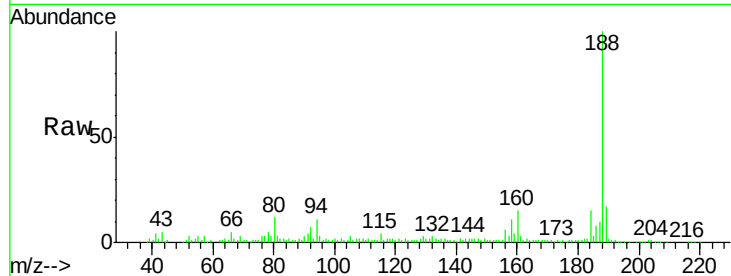




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF084066.D
Acq: 24 Dec 2015 6:38

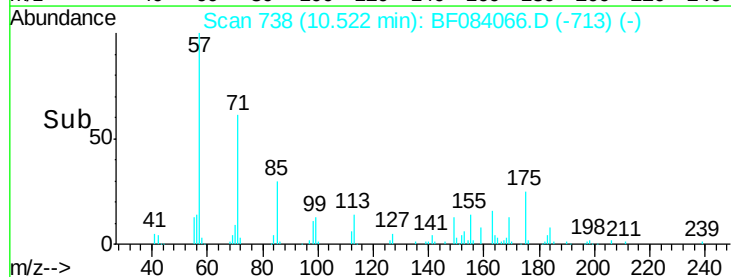
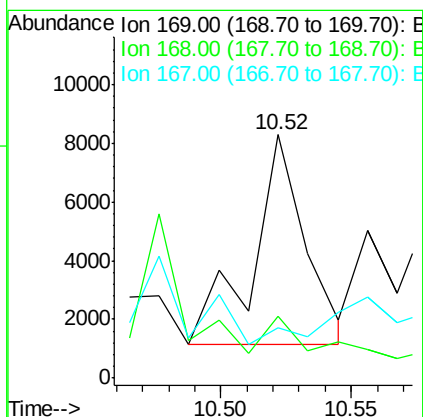
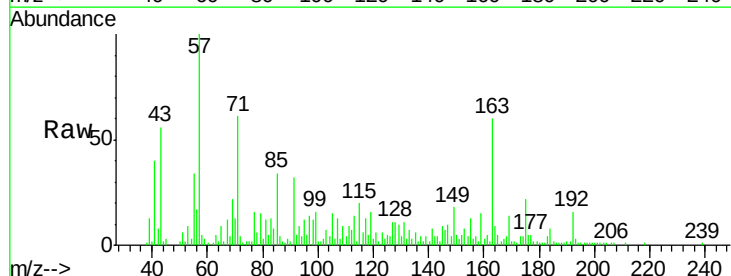
Instrument :
BNA_F
ClientSampleId :
MW-27

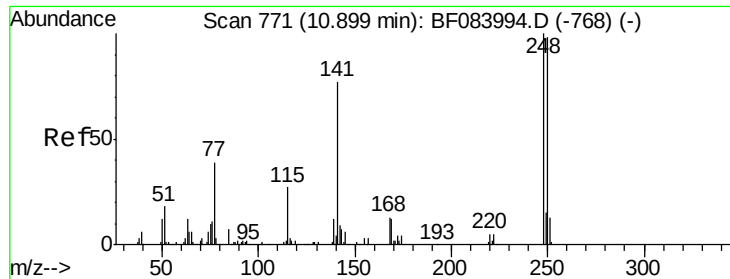
Tgt Ion:188 Resp: 123108
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.4
80 11.9 9.6 14.4



#65
n-Nitrosodiphenylamine
Concen: 2.21 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF084066.D
Acq: 24 Dec 2015 6:38

Tgt Ion:169 Resp: 10064
Ion Ratio Lower Upper
169 100
168 25.3 55.1 82.7#
167 20.9 30.0 45.0#

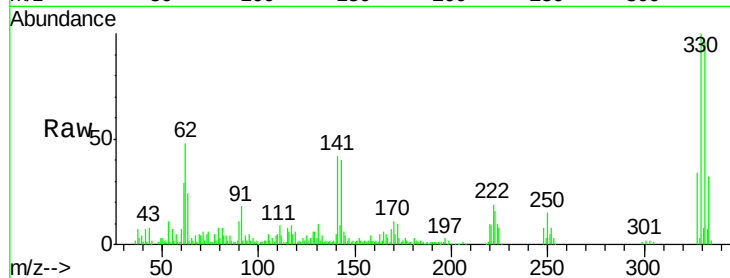




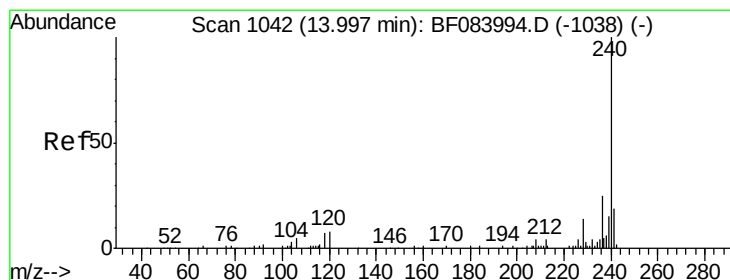
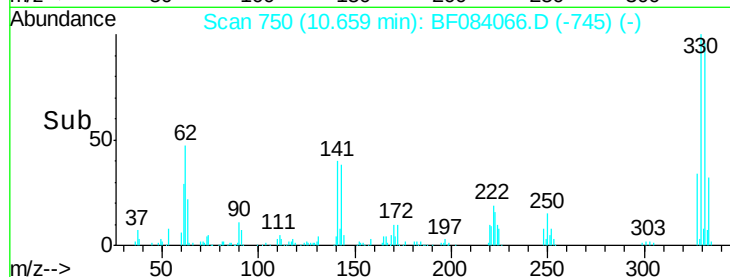
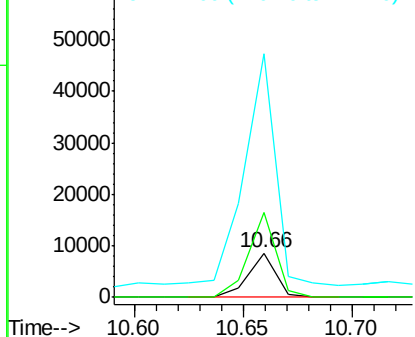
#66
4-Bromophenyl-phenylether
Concen: 5.29 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.24 min
Lab File: BF084066.D
Acq: 24 Dec 2015 6:38

Instrument :
BNA_F
ClientSampleId :
MW-27

Tgt Ion: 248 Resp: 7468
Ion Ratio Lower Upper
248 100
250 192.9 78.4 117.6#
141 554.1 44.0 66.0#

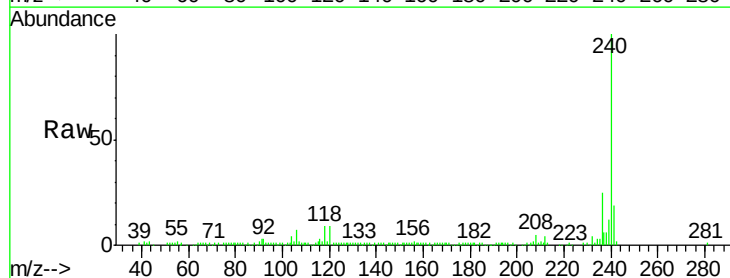


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

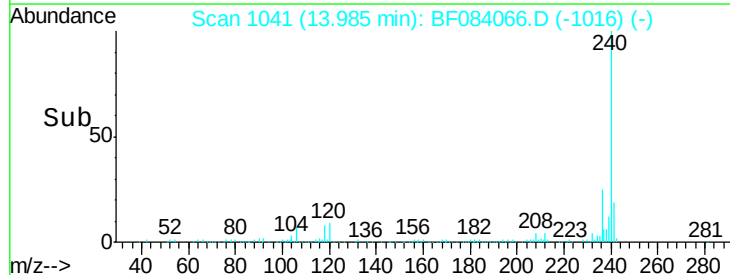
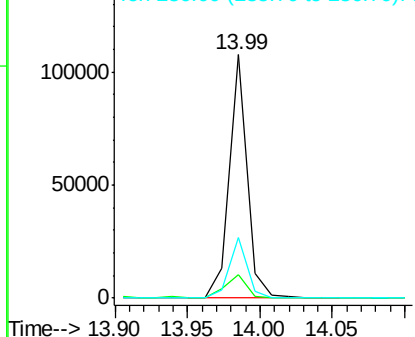


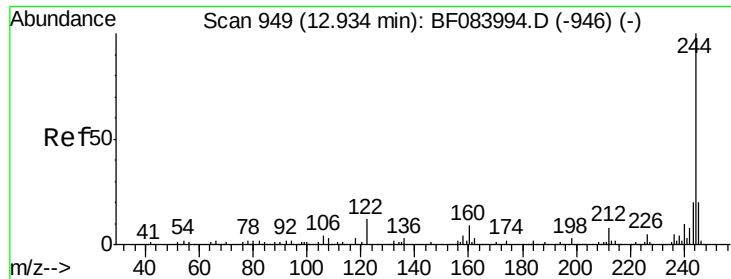
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF084066.D
Acq: 24 Dec 2015 6:38

Tgt Ion: 240 Resp: 91505
Ion Ratio Lower Upper
240 100
120 9.5 9.5 14.3#
236 25.0 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

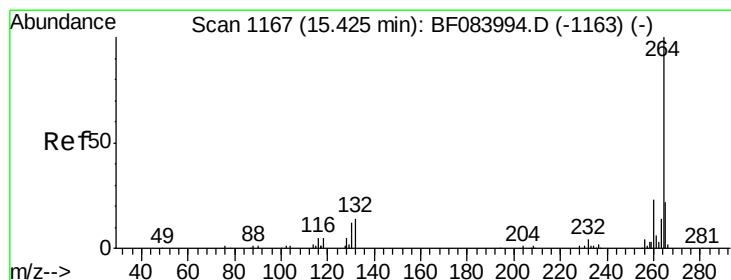
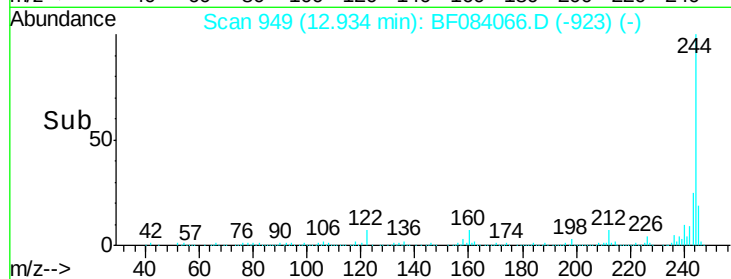
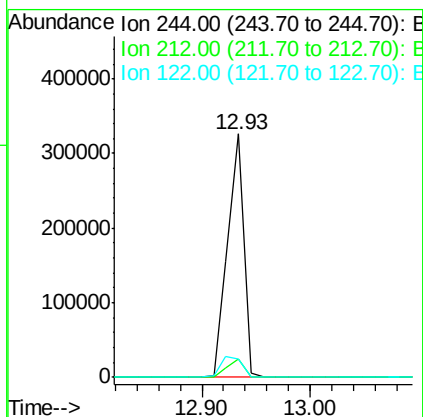
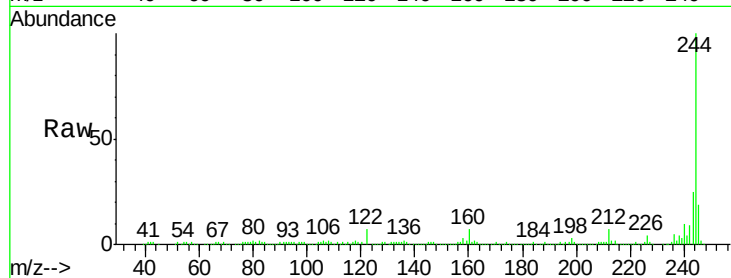




#78
 Terphenyl-d14
 Concen: 87.82 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: BF084066.D
 Acq: 24 Dec 2015 6:38

Instrument :
 BNA_F
 ClientSampleId :
 MW-27

Tgt Ion:244 Resp: 336948
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 7.5 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF084066.D
 Acq: 24 Dec 2015 6:38

Tgt Ion:264 Resp: 80411
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.4 29.2
 265 22.1 17.8 26.6

