

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084265.D
 Acq On : 5 Jan 2016 5:03
 Operator : UM/SJ
 Sample : G4990-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-15

Quant Time: Jan 05 07:17:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	268100	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1136472	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	488633	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	841239	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	583667	20.00	ng	-0.01
86) Perylene-d12	15.49	264	549339	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1314436	79.30	ng	0.01
7) Phenol-d6	6.53	99	1182048	56.78	ng	0.00
23) Nitrobenzene-d5	7.46	82	2001990	98.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	752637	152.57	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2875668	105.02	ng	-0.01
78) Terphenyl-d14	13.00	244	1995131	76.30	ng	-0.01

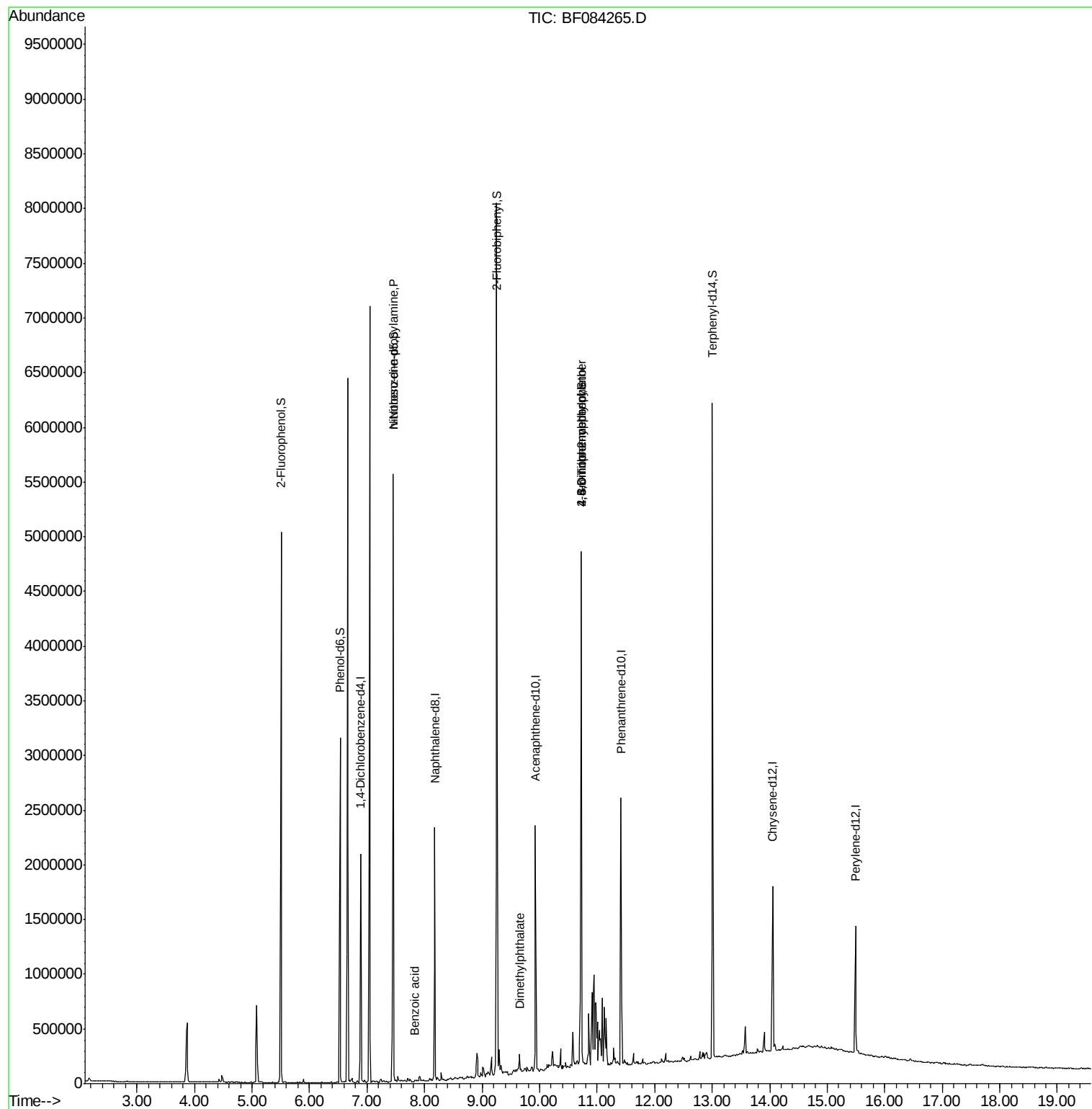
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	289354	20.53	ng	# 70
32) Benzoic acid	7.84	122	1066	6.32	ng	# 40
49) Dimethylphthalate	9.65	163	73859	2.11	ng	# 91
54) Dibenzofuran	10.13	168	1231	Below Cal		# 1
57) Fluorene	10.48	166	6951	Below Cal		# 94
60) 4-Chlorophenyl-phenylether	10.45	204	1003	Below Cal		# 83
64) 4,6-Dinitro-2-methylphenol	10.73	198	2230	6.74	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	49286	5.44	ng	# 1
73) Di-n-butylphthalate	11.99	149	8141	Below Cal		# 70

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

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QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

Instrument :

BNA_F

ClientSampled :

W-15

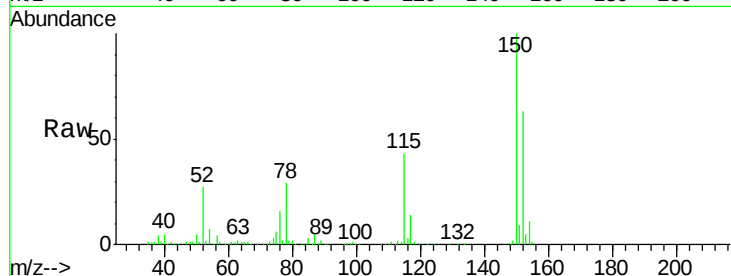
Tgt Ion:152 Resp: 268100

Ion Ratio Lower Upper

152 100

150 158.1 123.0 184.4

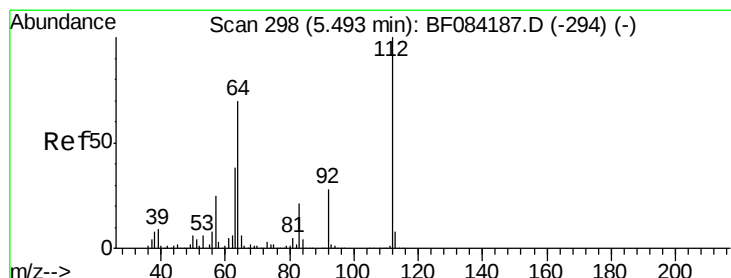
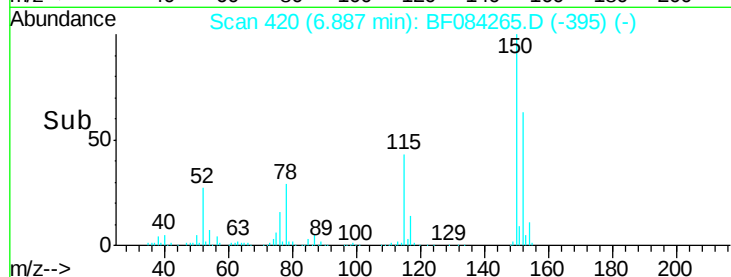
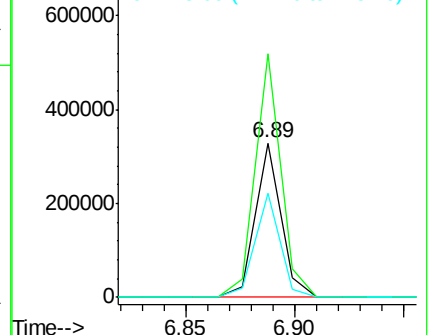
115 67.9 51.4 77.2



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: 79.30 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

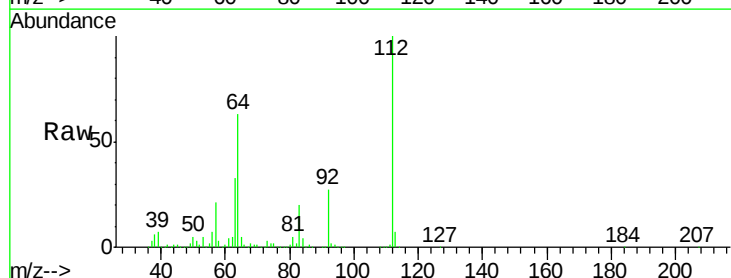
Tgt Ion:112 Resp: 1314436

Ion Ratio Lower Upper

112 100

64 62.6 36.6 55.0#

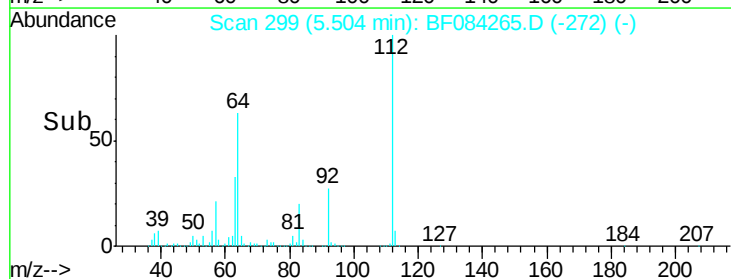
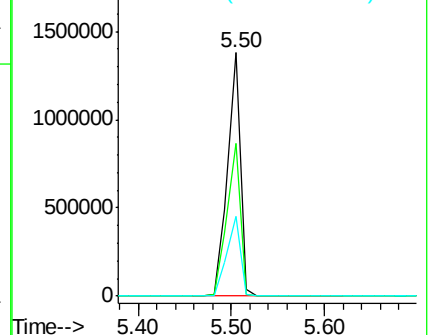
63 32.5 19.4 29.0#

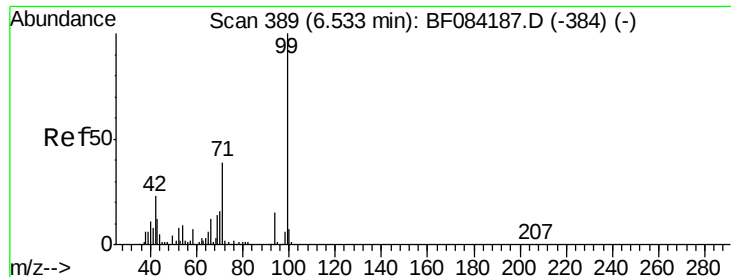


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 56.78 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

Instrument :

BNA_F

ClientSampleId :

W-15

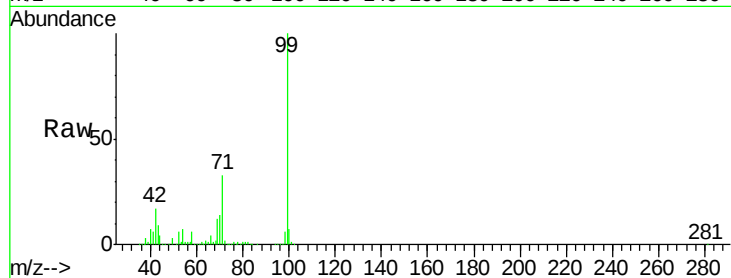
Tgt Ion: 99 Resp: 1182048

Ion Ratio Lower Upper

99 100

42 17.4 12.8 19.2

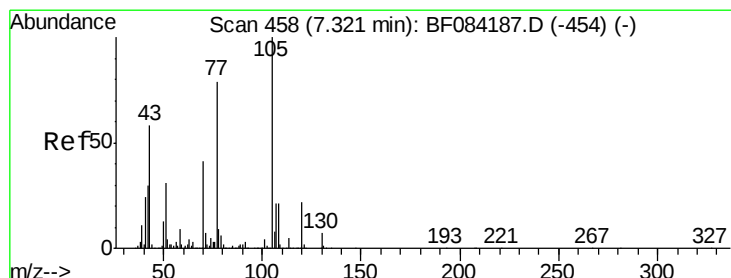
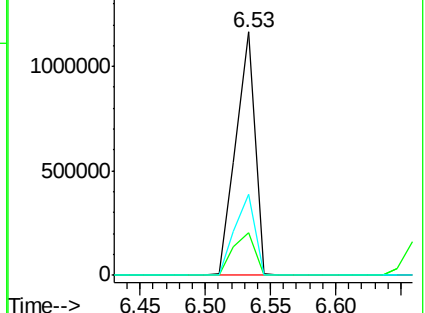
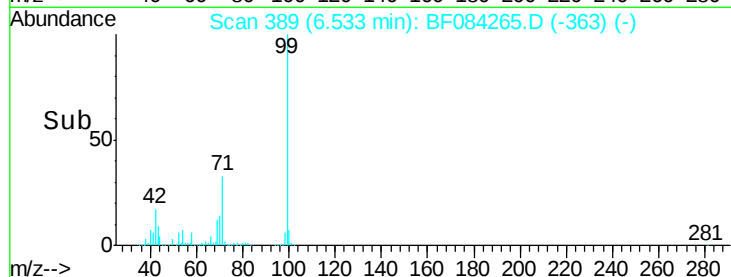
71 33.2 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 20.53 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

Tgt Ion: 70 Resp: 289354

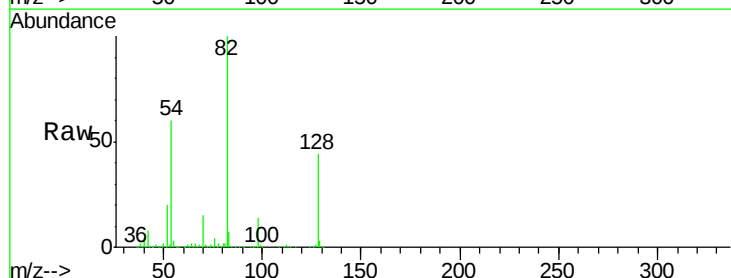
Ion Ratio Lower Upper

70 100

42 51.4 33.3 49.9#

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

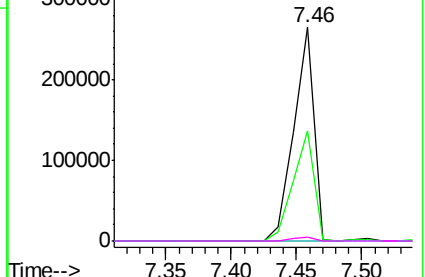
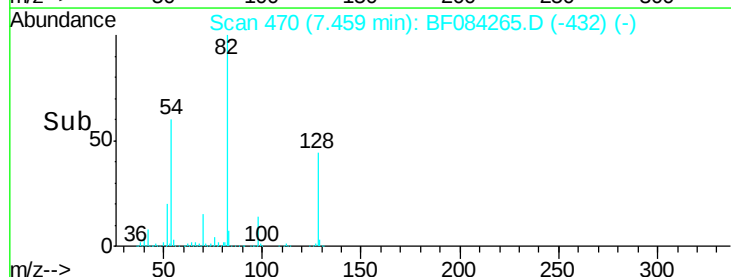


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 1136472

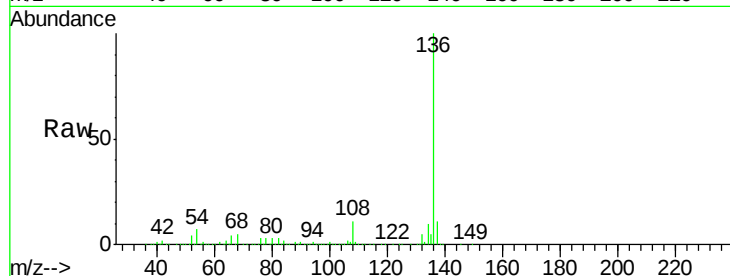
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.4 5.8 8.8

68 4.8 4.2 6.2

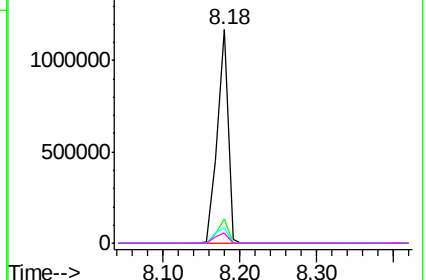
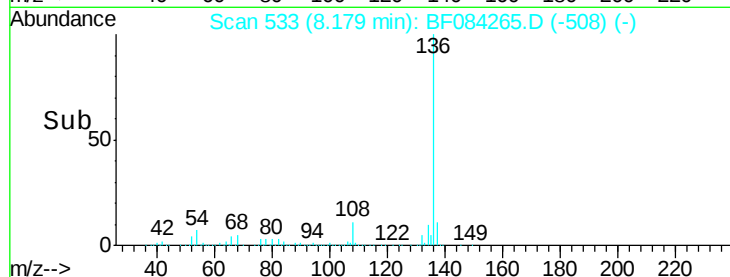


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 98.04 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

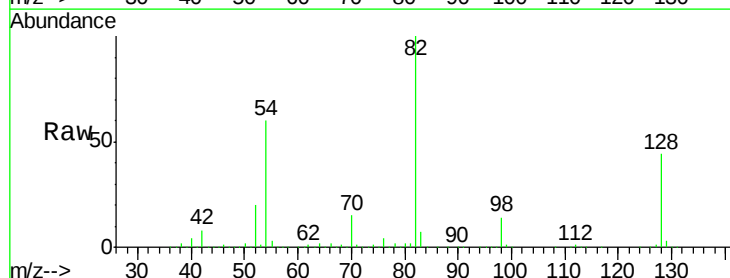
Tgt Ion: 82 Resp: 2001990

Ion Ratio Lower Upper

82 100

128 43.9 34.6 51.8

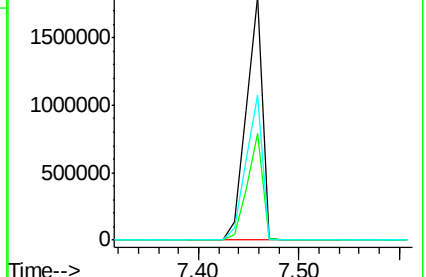
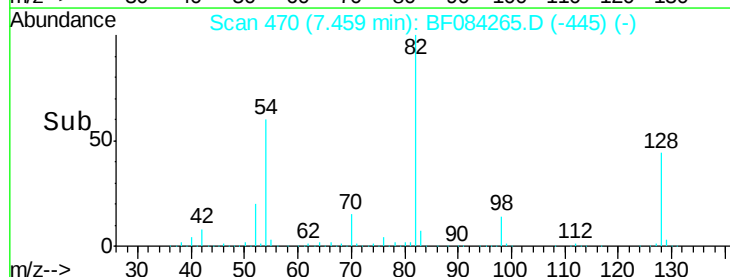
54 59.8 38.4 57.6#

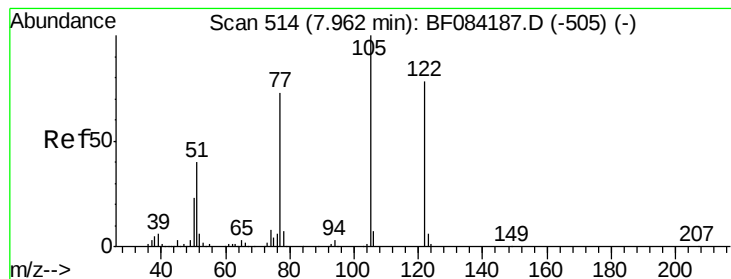


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.32 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.12 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

Instrument :

BNA_F

ClientSampleId :

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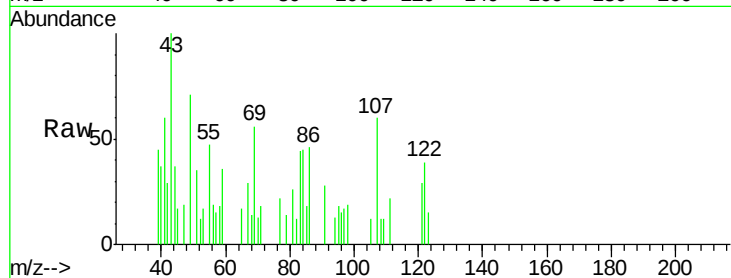
Tgt Ion:122 Resp: 1066

Ion Ratio Lower Upper

122 100

105 30.6 100.3 140.3#

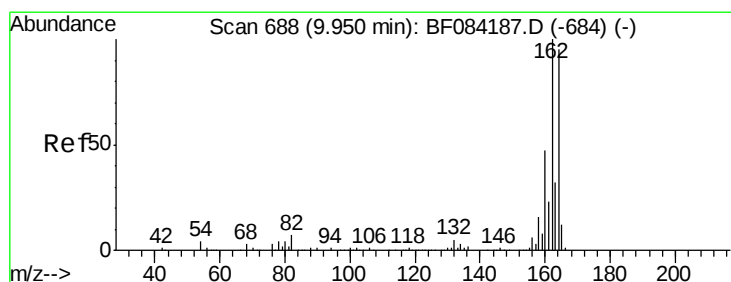
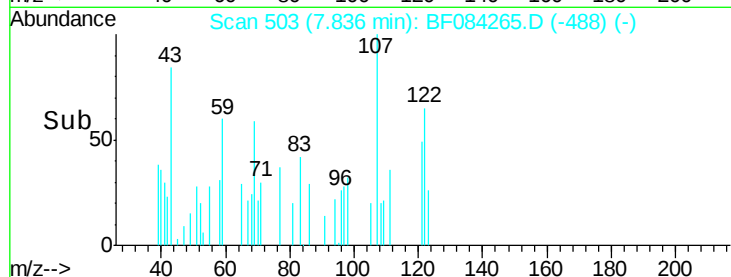
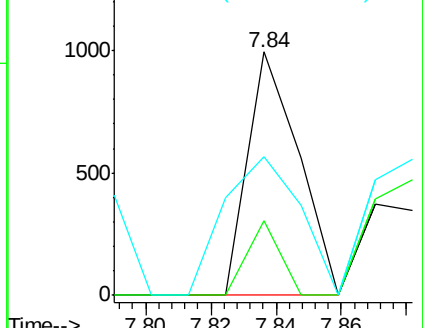
77 57.0 63.5 103.5#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

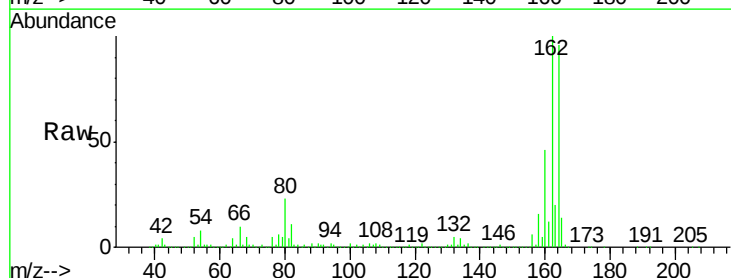
Tgt Ion:164 Resp: 488633

Ion Ratio Lower Upper

164 100

162 104.0 85.1 127.7

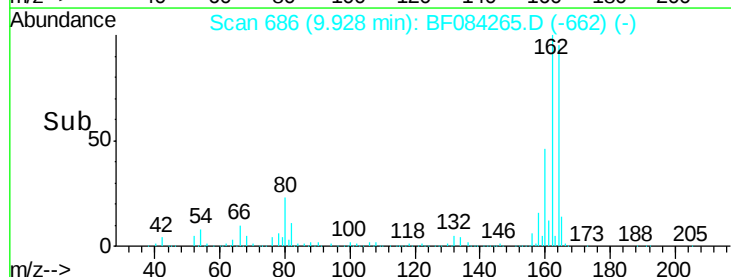
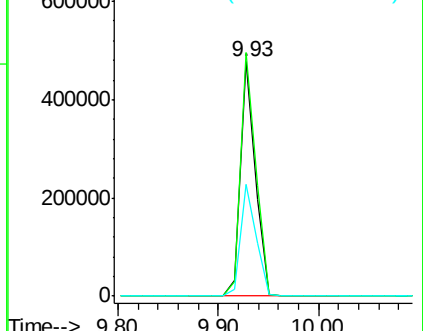
160 47.6 37.5 56.3

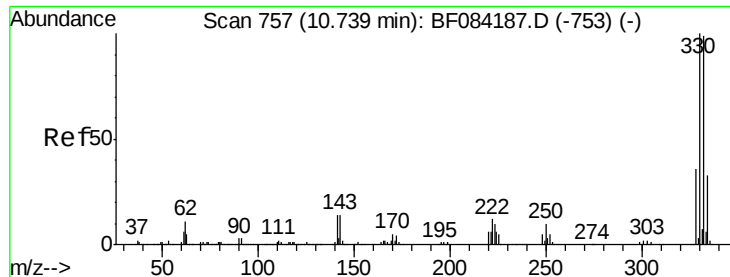


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

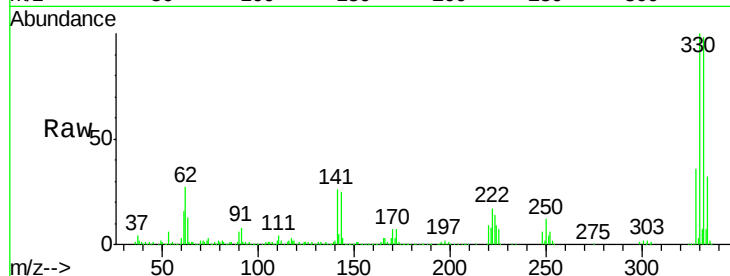




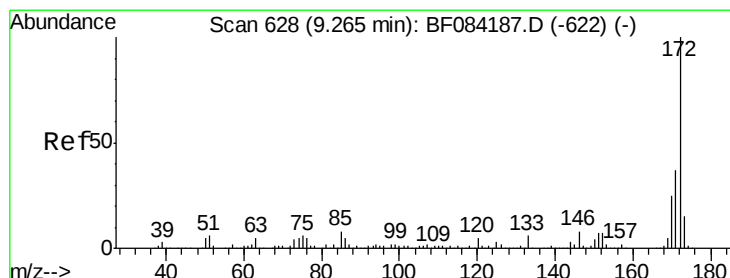
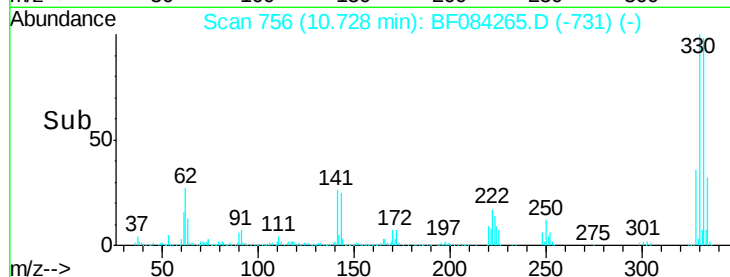
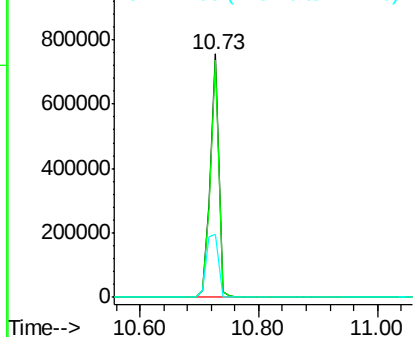
#41
 2,4,6-Tribromophenol
 Concen: 152.57 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084265.D
 Acq: 5 Jan 2016 5:03

Instrument :
 BNA_F
 ClientSampleId :
 W-15

Tgt Ion:330 Resp: 752637
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 37.6 27.8 41.6

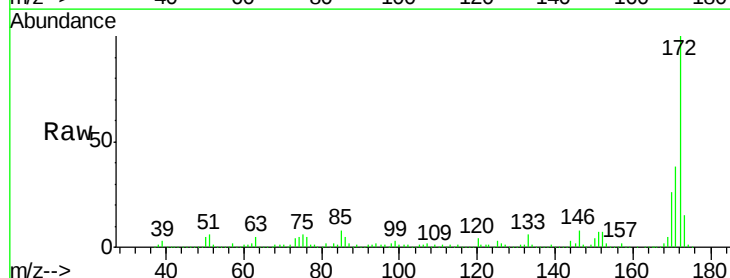


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

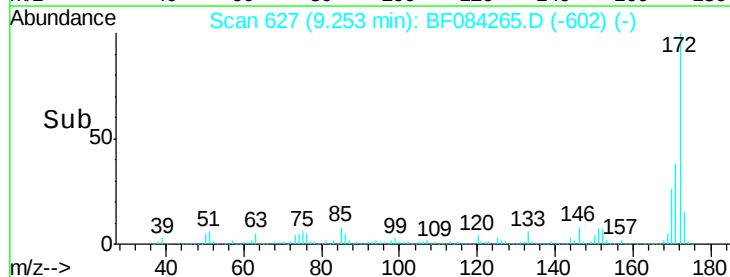
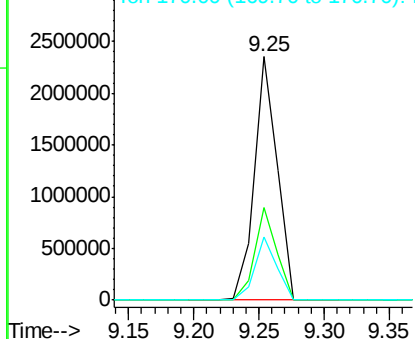


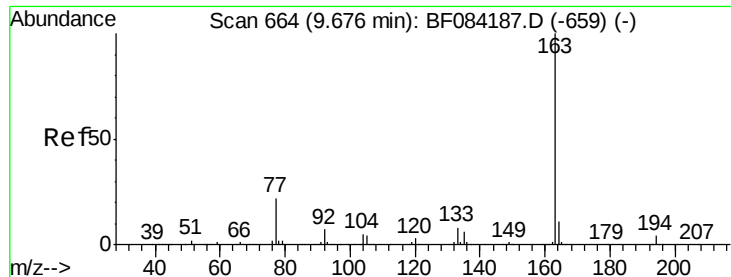
#44
 2-Fluorobiphenyl
 Concen: 105.02 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084265.D
 Acq: 5 Jan 2016 5:03

Tgt Ion:172 Resp: 2875668
 Ion Ratio Lower Upper
 172 100
 171 37.9 28.9 43.3
 170 25.9 18.6 27.8



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

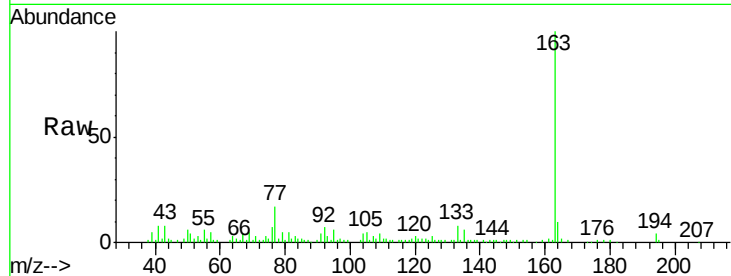




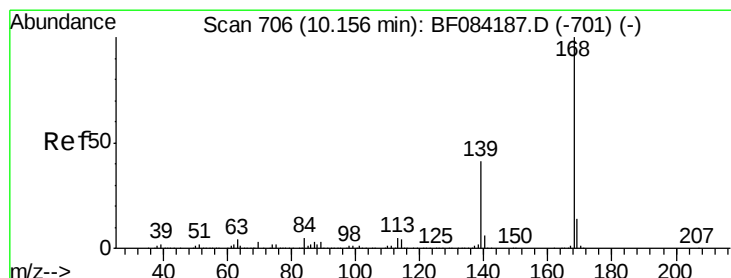
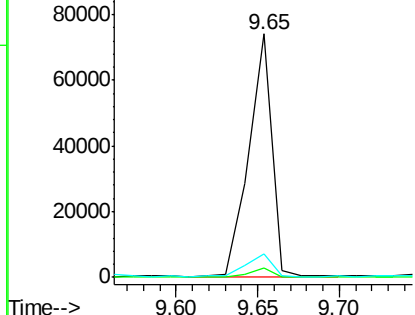
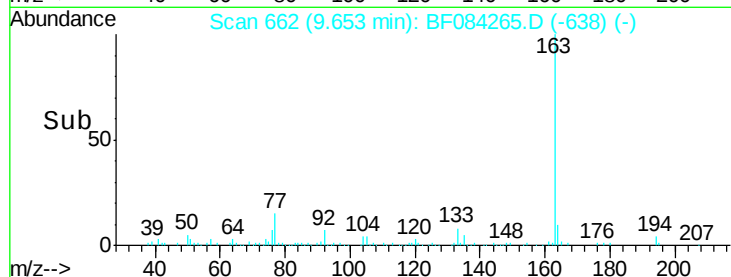
#49
Dimethylphthalate
Concen: 2.11 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF084265.D
Acq: 5 Jan 2016 5:03

Instrument :
BNA_F
ClientSampled :
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Tgt Ion:163 Resp: 73859
Ion Ratio Lower Upper
163 100
194 3.9 8.0 12.0#
164 9.7 8.0 12.0

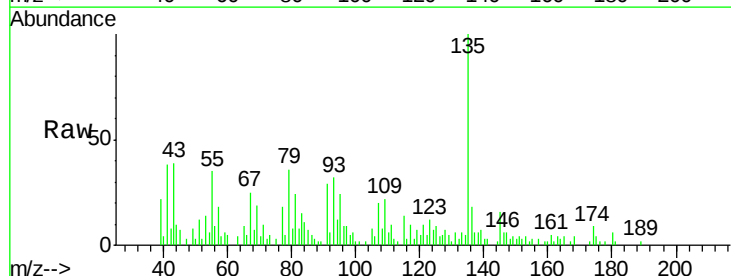


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

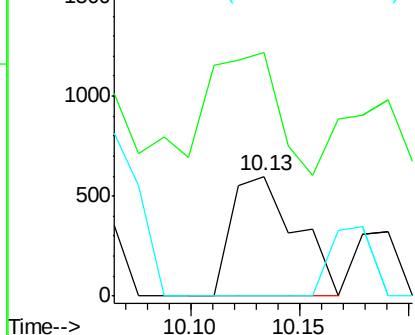
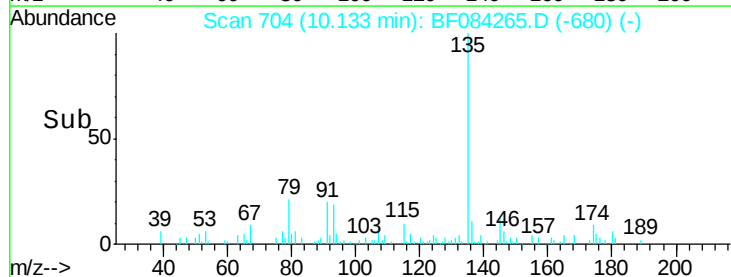


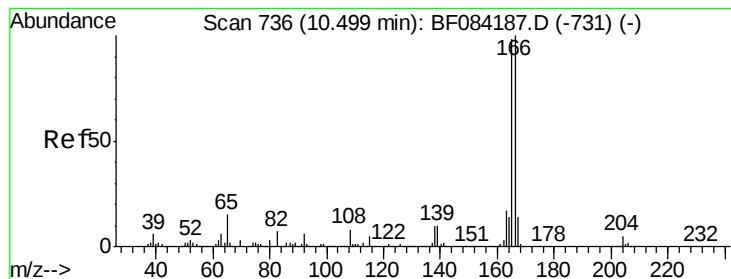
#54
Dibenzofuran
Concen: Below Cal
RT: 10.13 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF084265.D
Acq: 5 Jan 2016 5:03

Tgt Ion:168 Resp: 1231
Ion Ratio Lower Upper
168 100
139 203.9 30.5 45.7#
169 0.0 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: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

Instrument :

BNA_F

ClientSampled :

W-15

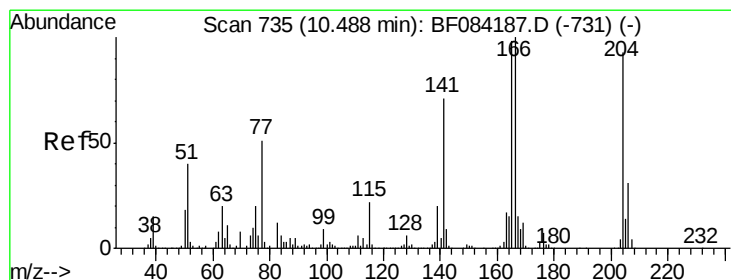
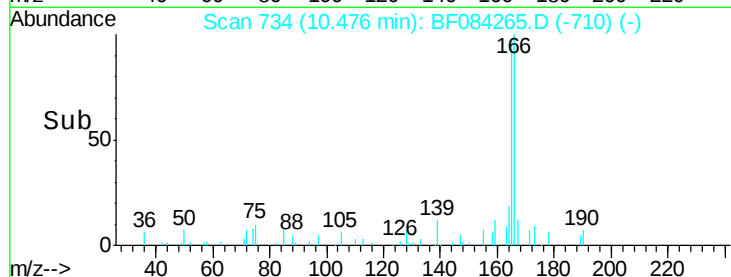
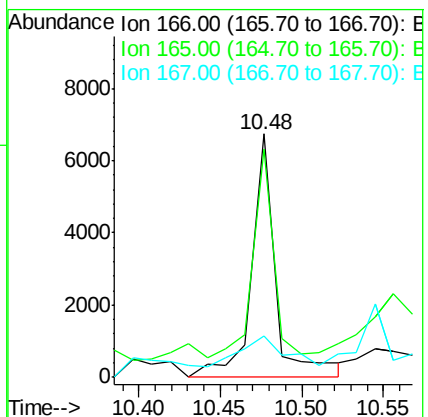
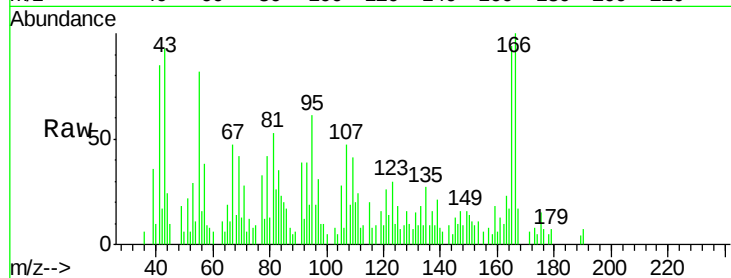
Tgt Ion:166 Resp: 6951

Ion Ratio Lower Upper

166 100

165 93.5 79.1 118.7

167 16.9 10.4 15.6#



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.45 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

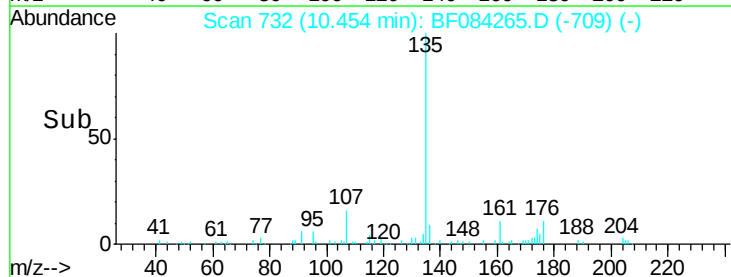
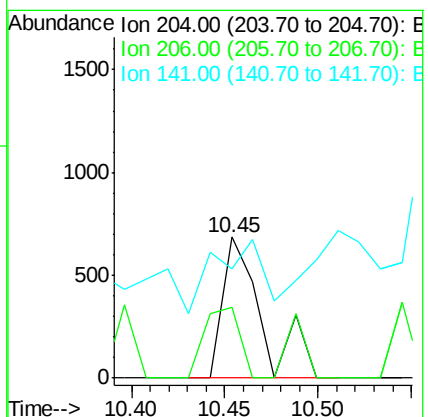
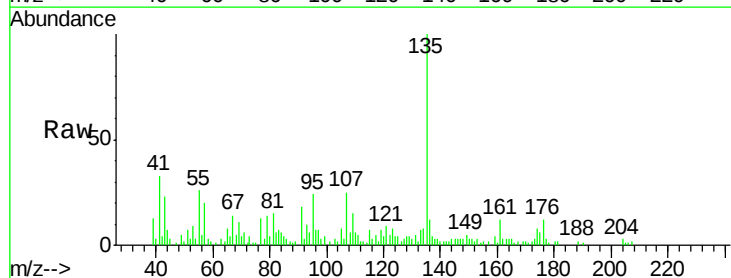
Tgt Ion:204 Resp: 1003

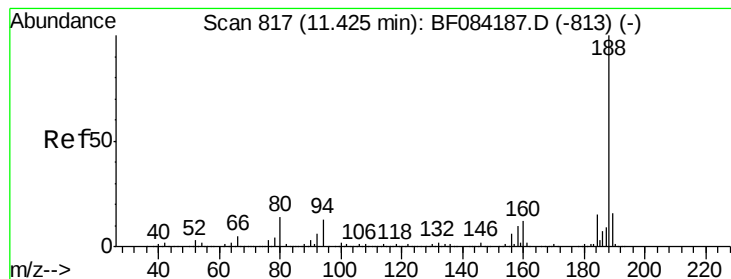
Ion Ratio Lower Upper

204 100

206 50.4 25.7 38.5#

141 77.2 55.1 82.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

Instrument :

BNA_F

ClientSampleId :

W-15

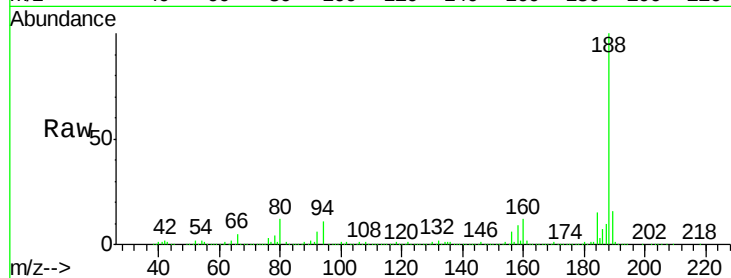
Tgt Ion:188 Resp: 841239

Ion Ratio Lower Upper

188 100

94 11.3 9.0 13.4

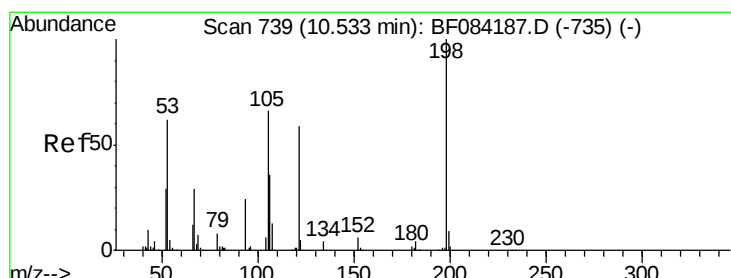
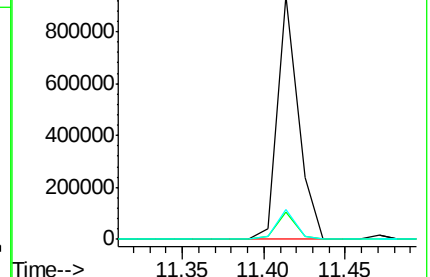
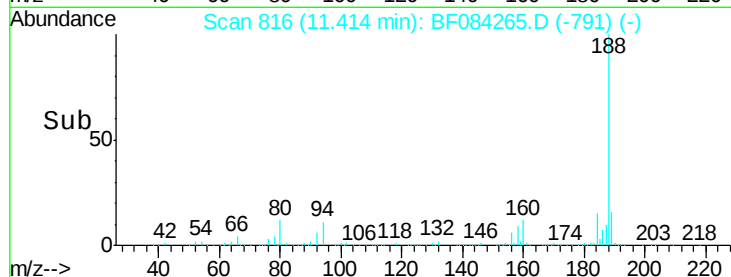
80 12.1 9.6 14.4



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: 6.74 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

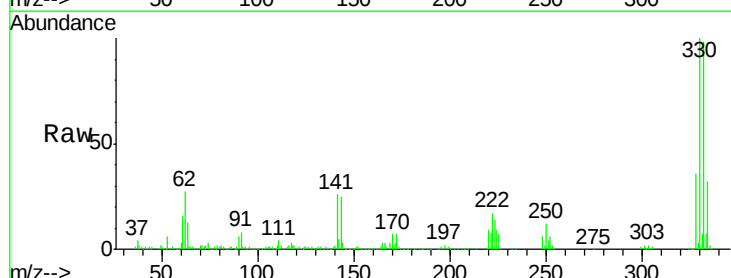
Tgt Ion:198 Resp: 2230

Ion Ratio Lower Upper

198 100

51 205.1 18.9 58.9#

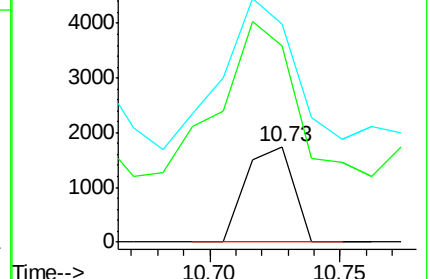
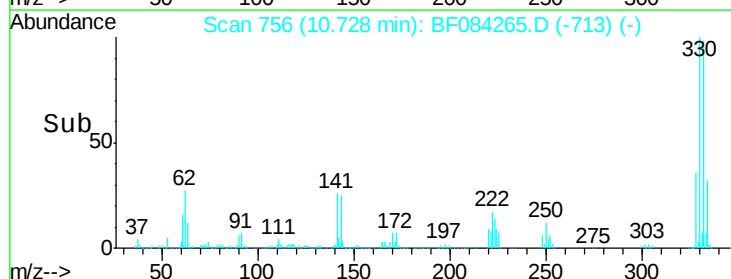
105 228.6 26.4 66.4#

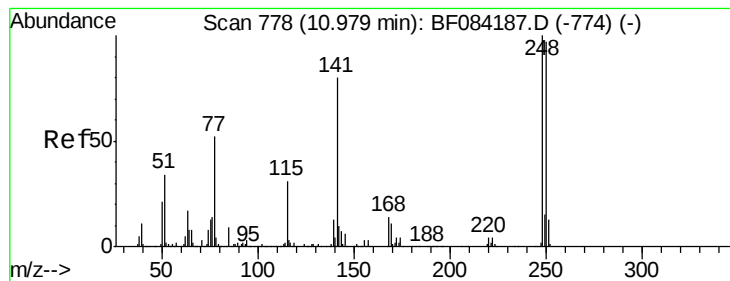


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 5.44 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

Instrument :

BNA_F

ClientSampled :

W-15

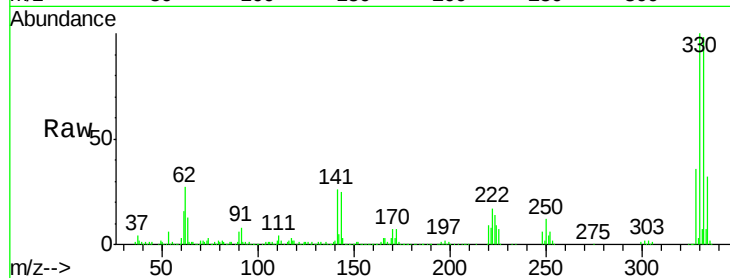
Tgt Ion:248 Resp: 49286

Ion Ratio Lower Upper

248 100

250 201.3 78.4 117.6#

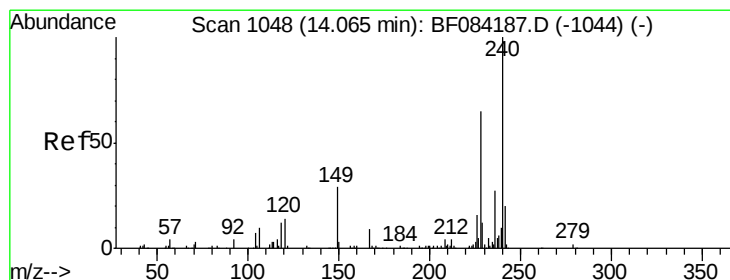
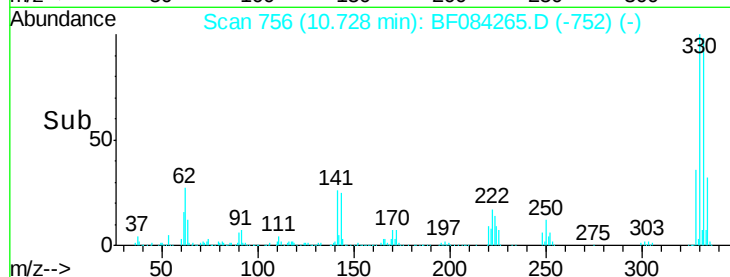
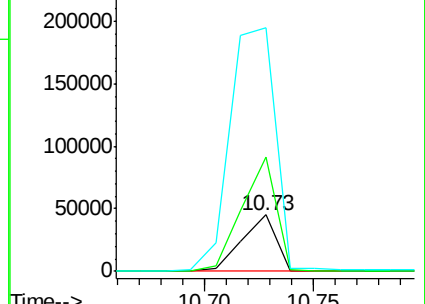
141 431.0 44.0 66.0#



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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

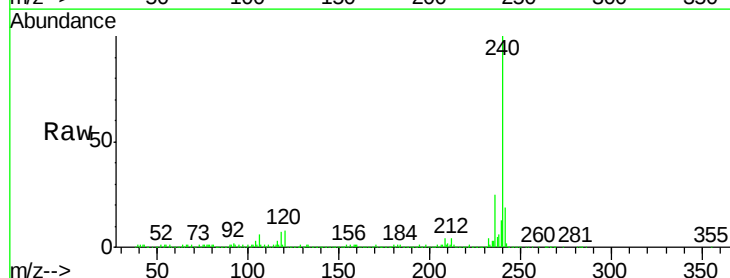
Tgt Ion:240 Resp: 583667

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

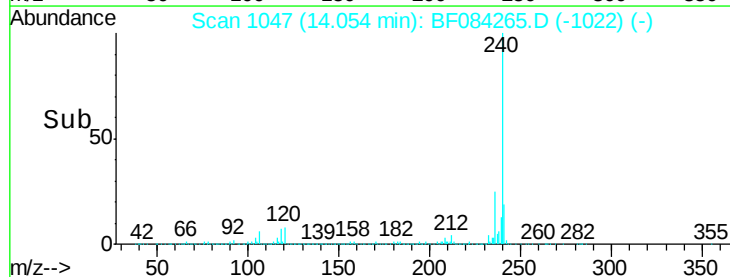
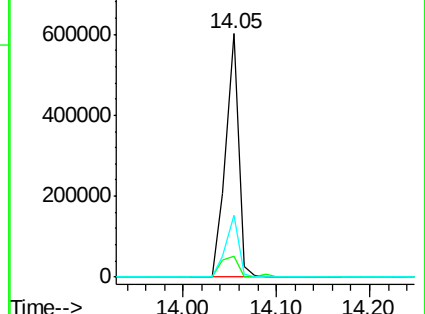
236 25.2 20.6 31.0

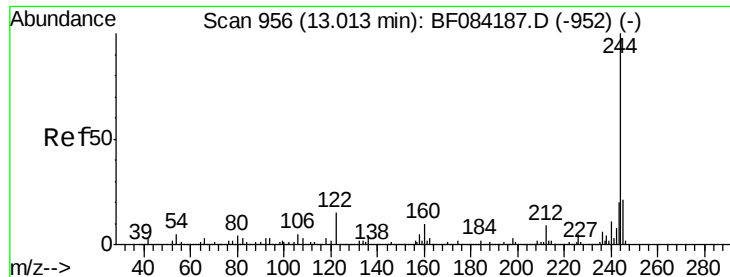


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 76.30 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

Instrument :

BNA_F

ClientSampleId :

W-15

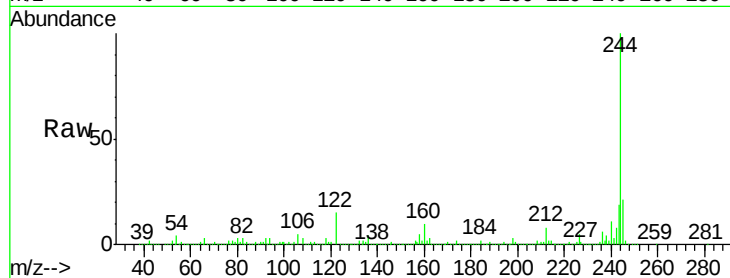
Tgt Ion:244 Resp: 1995131

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

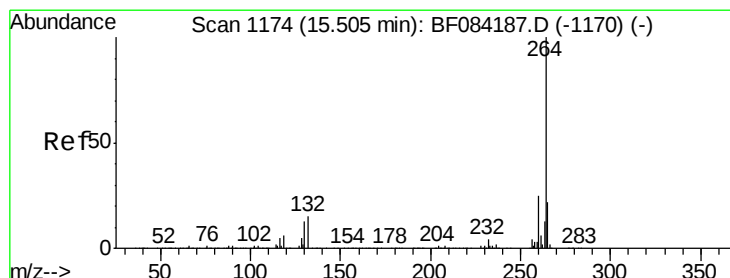
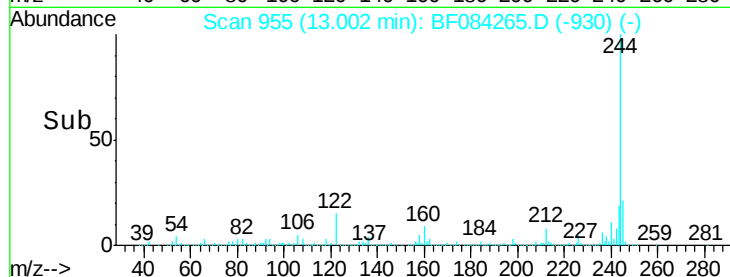
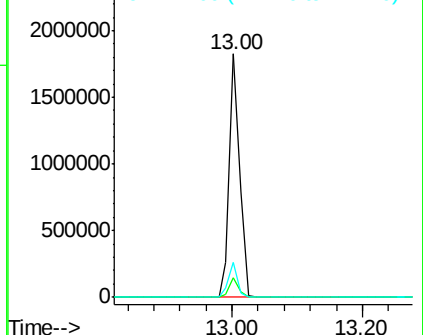
122 14.6 7.4 11.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084265.D

Acq: 5 Jan 2016 5:03

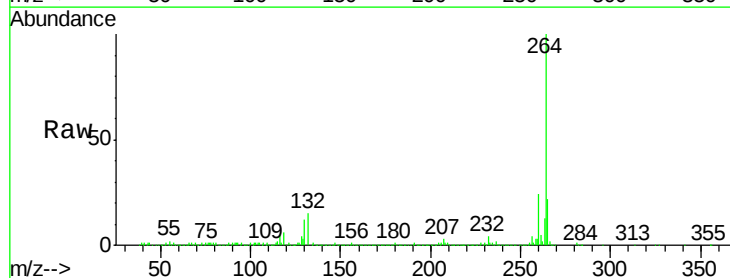
Tgt Ion:264 Resp: 549339

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 22.0 17.8 26.6



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

