

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084262.D
 Acq On : 5 Jan 2016 3:40
 Operator : UM/SJ
 Sample : G4990-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-30

Quant Time: Jan 05 07:16:24 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

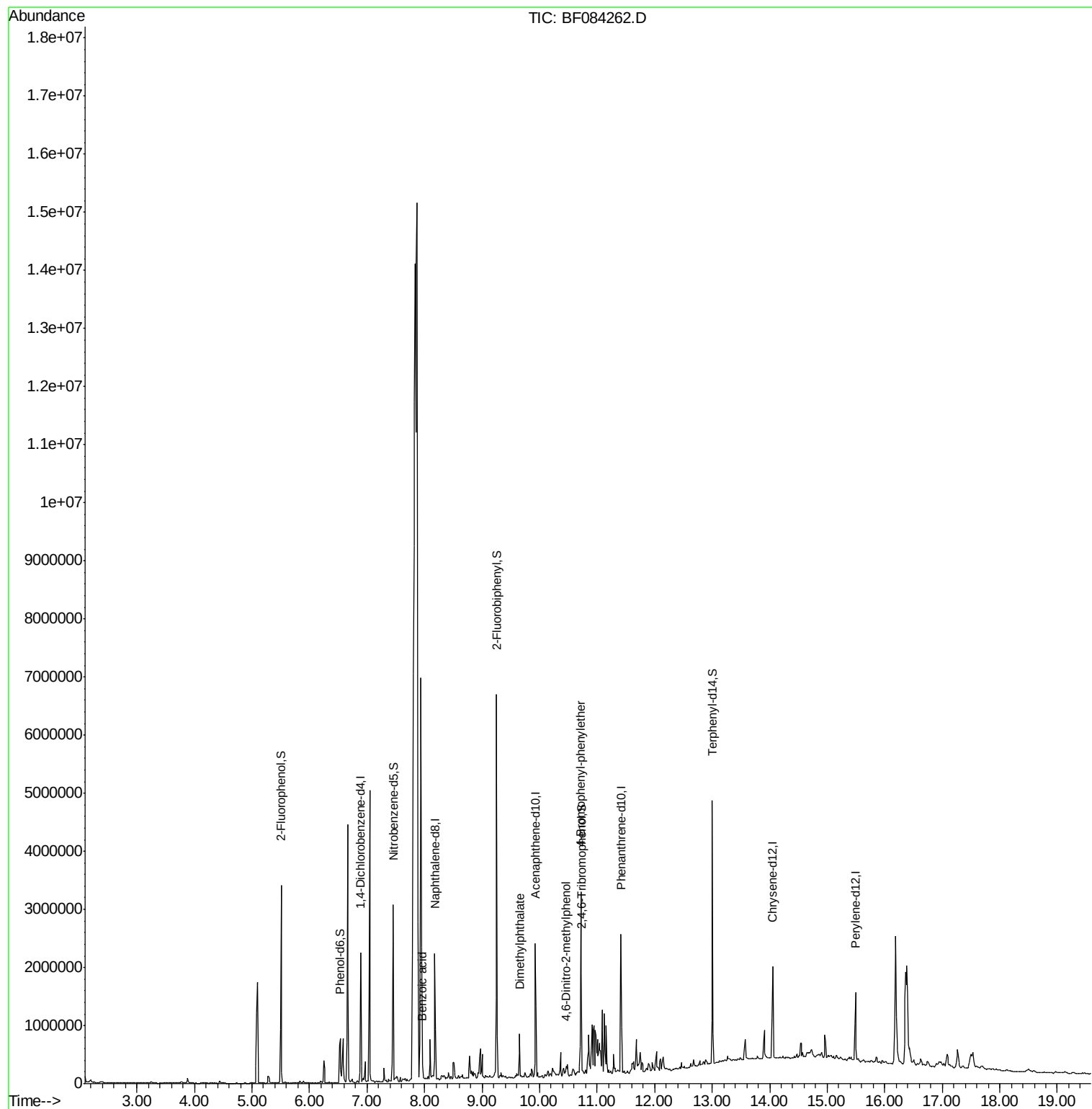
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	285839	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1124634	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	510945	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	877997	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	607012	20.00	ng	-0.01
86) Perylene-d12	15.49	264	563200	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	846083	47.88	ng	0.01
7) Phenol-d6	6.53	99	408342	18.40	ng	0.00
23) Nitrobenzene-d5	7.46	82	1320776	65.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	431344	83.62	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1875124	62.92	ng	-0.01
78) Terphenyl-d14	13.00	244	1278229	47.00	ng	-0.01
Target Compounds						
32) Benzoic acid	7.96	122	2551	6.43	ng	# 42
49) Dimethylphthalate	9.65	163	356441	9.76	ng	# 91
54) Dibenzofuran	10.13	168	2681	Below Cal	#	84
57) Fluorene	10.48	166	5444	Below Cal	#	71
60) 4-Chlorophenyl-phenylether	10.48	204	210	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.46	198	286	6.47	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	26204	2.77	ng	# 1
73) Di-n-butylphthalate	11.97	149	49770	Below Cal	#	92

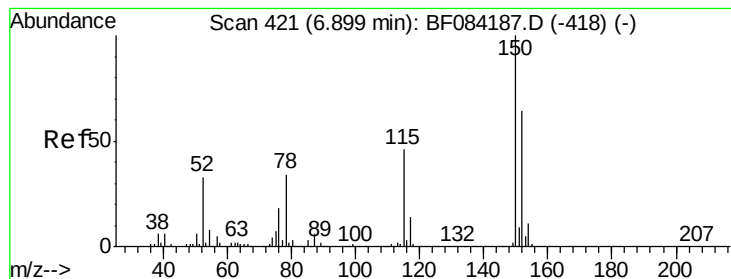
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 05 07:16:24 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

Instrument :

BNA_F

ClientSampleId :

W-30

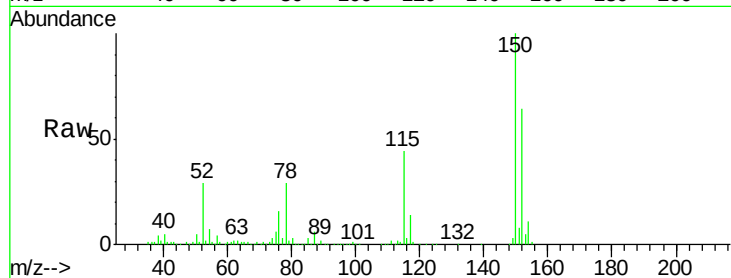
Tgt Ion:152 Resp: 285839

Ion Ratio Lower Upper

152 100

150 156.3 123.0 184.4

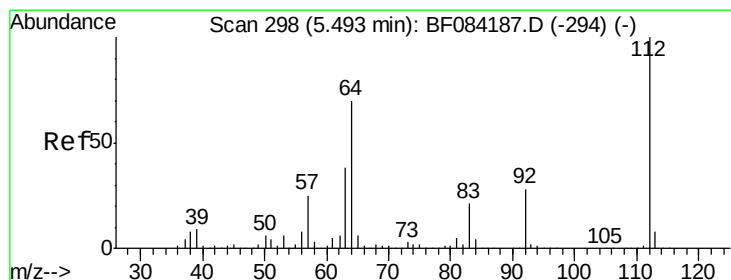
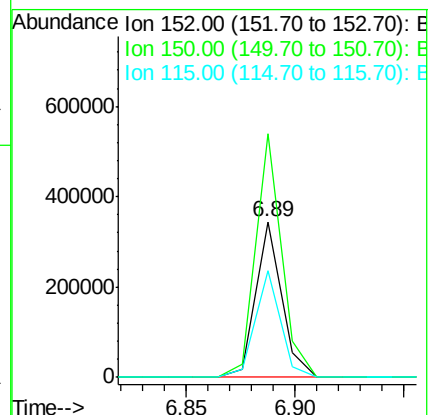
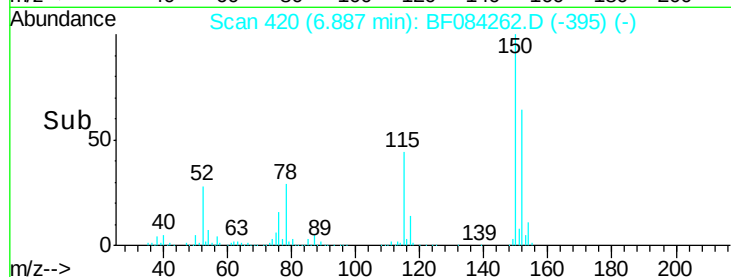
115 68.2 51.4 77.2



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: 47.88 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

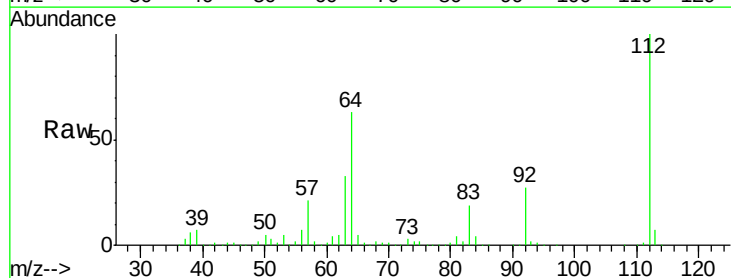
Tgt Ion:112 Resp: 846083

Ion Ratio Lower Upper

112 100

64 62.9 36.6 55.0#

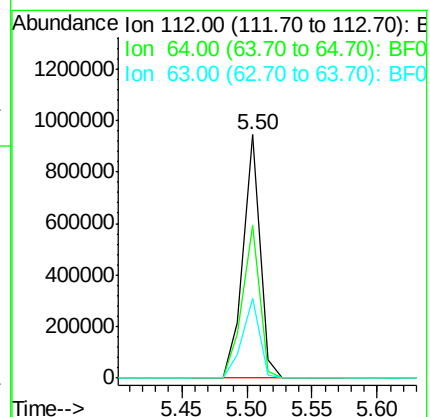
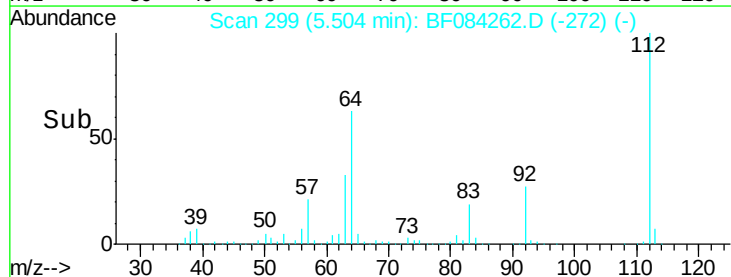
63 32.8 19.4 29.0#

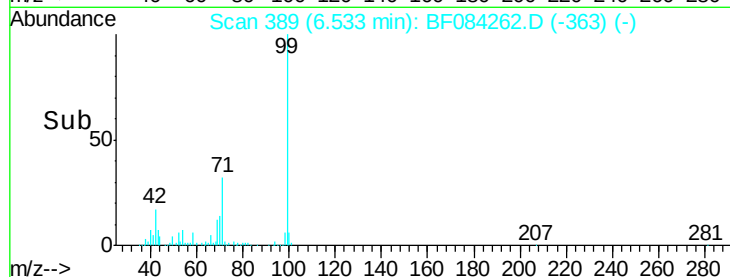
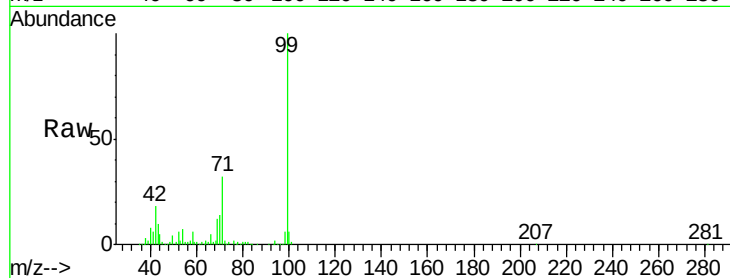
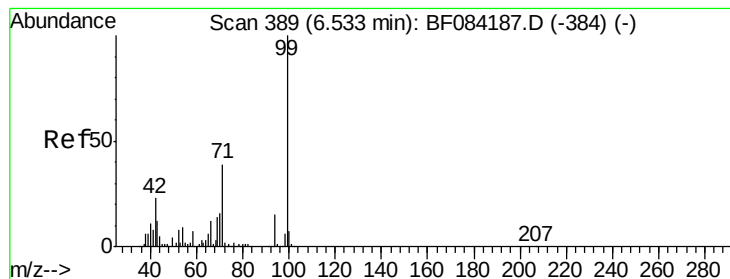


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.40 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

Instrument :

BNA_F

ClientSampleId :

W-30

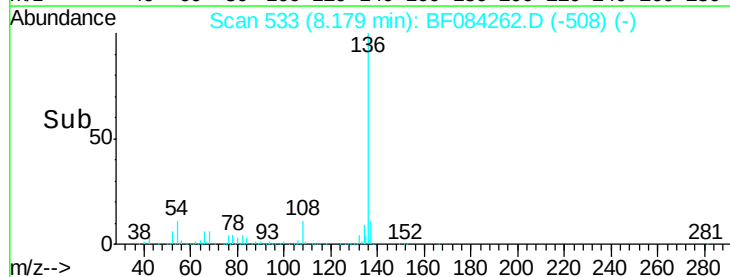
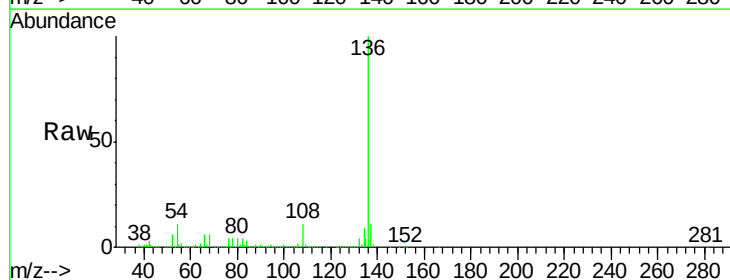
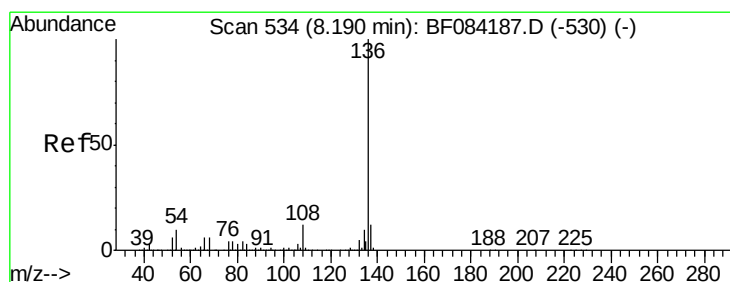
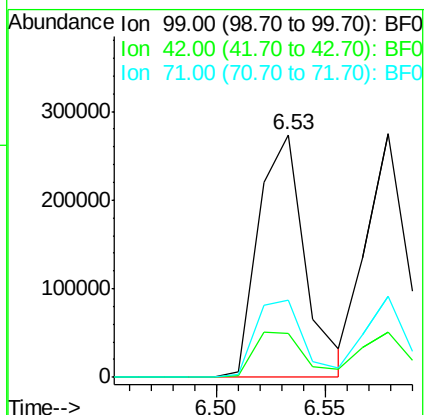
Tgt Ion: 99 Resp: 408342

Ion Ratio Lower Upper

99 100

42 18.0 12.8 19.2

71 32.0 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

Tgt Ion: 136 Resp: 1124634

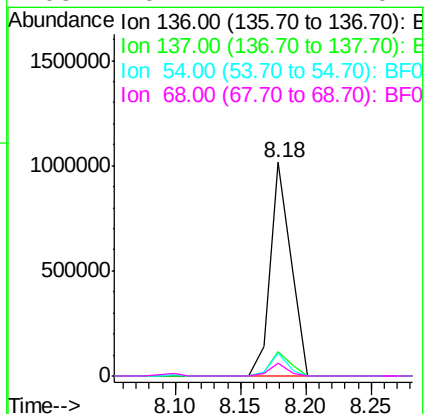
Ion Ratio Lower Upper

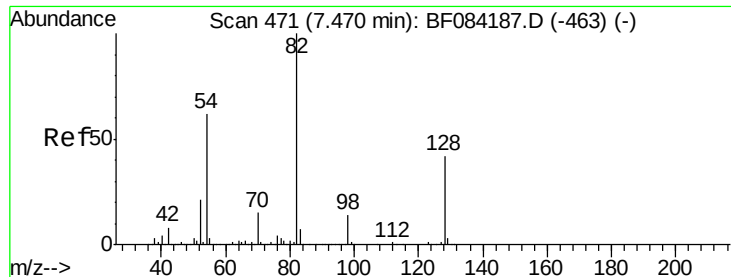
136 100

137 11.4 8.7 13.1

54 11.1 5.8 8.8#

68 6.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 65.36 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

Instrument :

BNA_F

ClientSampleId :

W-30

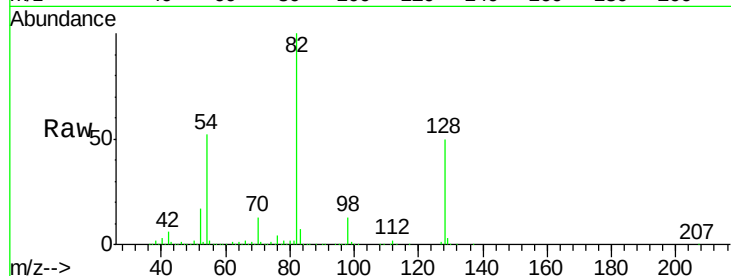
Tgt Ion: 82 Resp: 1320776

Ion Ratio Lower Upper

82 100

128 49.8 34.6 51.8

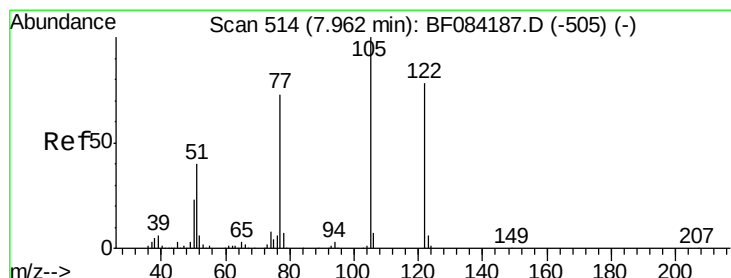
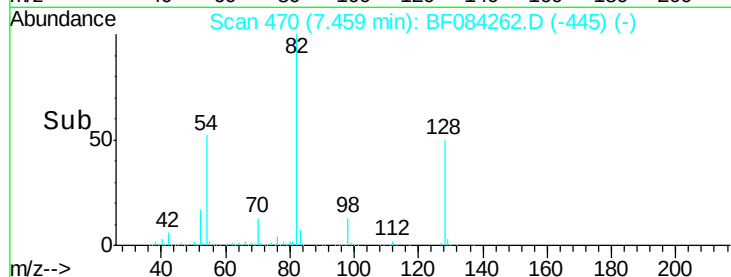
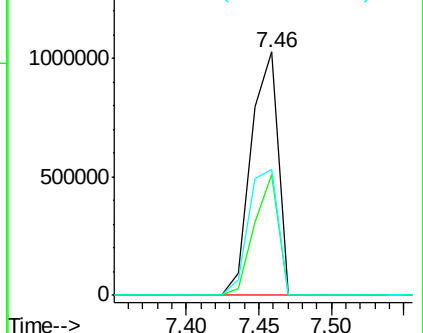
54 51.7 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#32

Benzoic acid

Concen: 6.43 ng

RT: 7.96 min Scan# 514

Delta R.T. 0.00 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

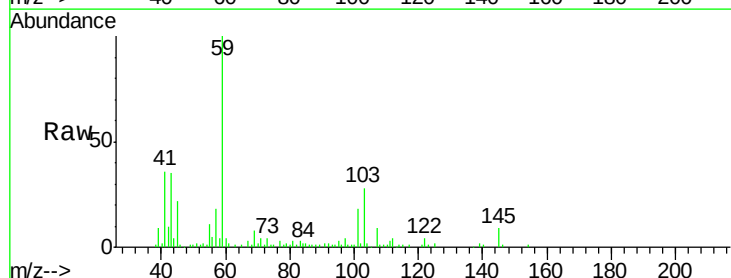
Tgt Ion: 122 Resp: 2551

Ion Ratio Lower Upper

122 100

105 12.5 100.3 140.3#

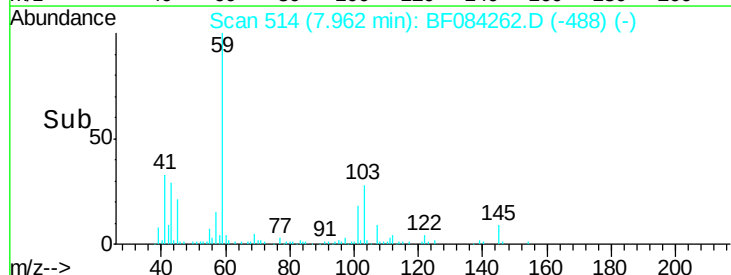
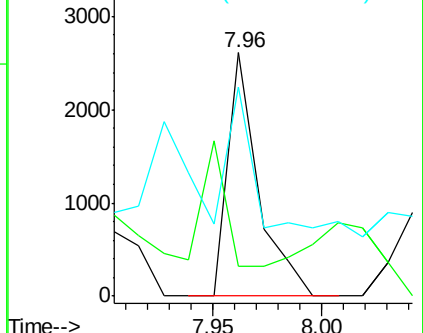
77 85.8 63.5 103.5

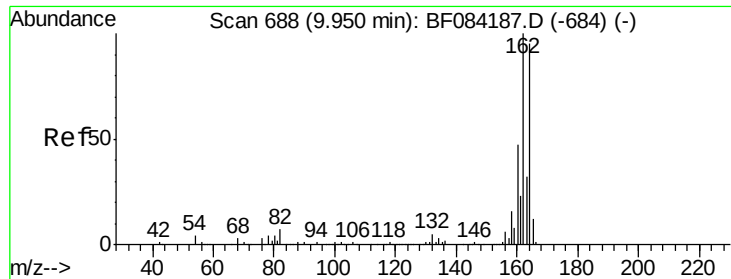


Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

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: BF084262.D

Acq: 5 Jan 2016 3:40

Instrument :

BNA_F

ClientSampleId :

W-30

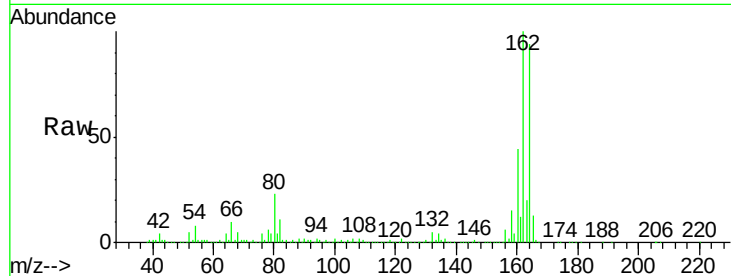
Tgt Ion:164 Resp: 510945

Ion Ratio Lower Upper

164 100

162 106.0 85.1 127.7

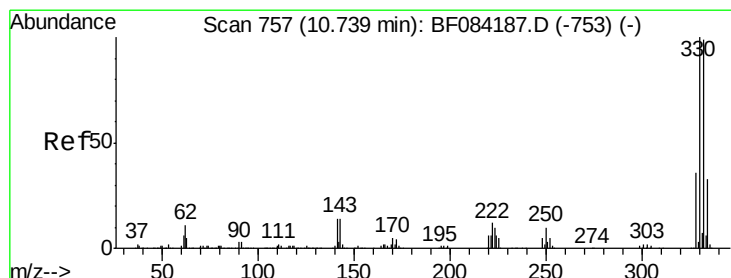
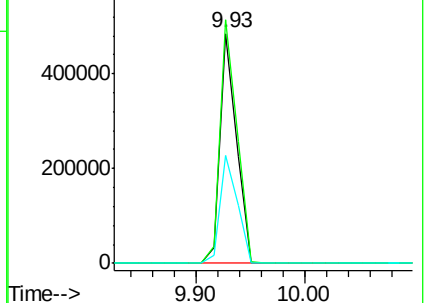
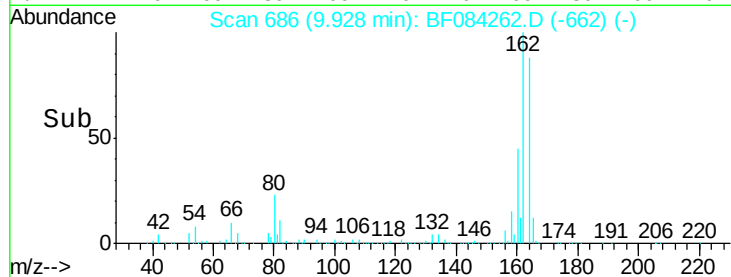
160 47.2 37.5 56.3



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: 83.62 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

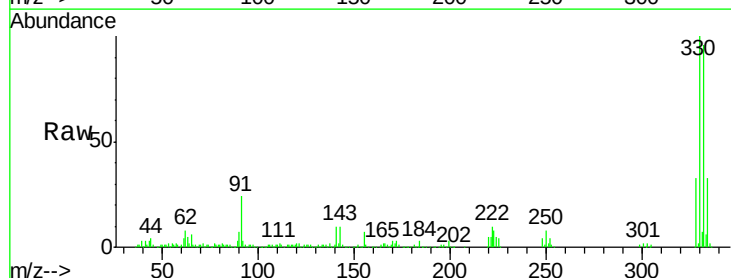
Tgt Ion:330 Resp: 431344

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

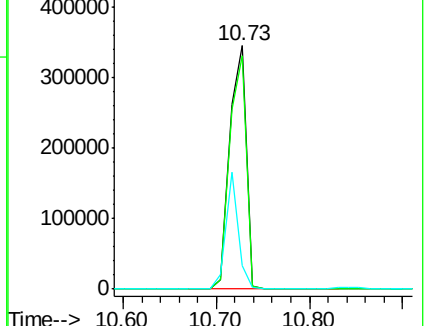
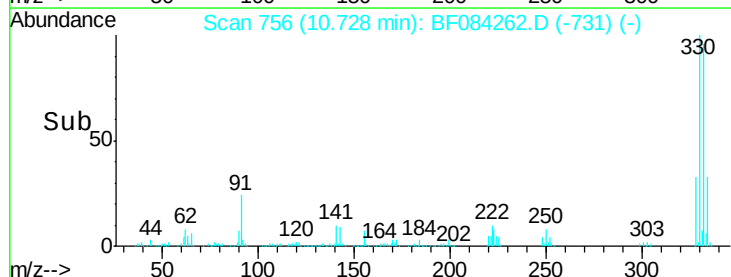
141 35.5 27.8 41.6

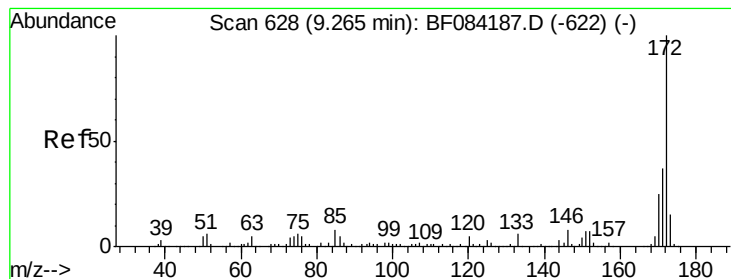


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 62.92 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

Instrument :

BNA_F

ClientSampled :

W-30

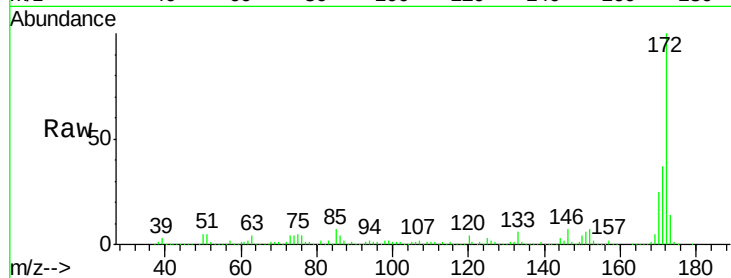
Tgt Ion:172 Resp: 1875124

Ion Ratio Lower Upper

172 100

171 36.9 28.9 43.3

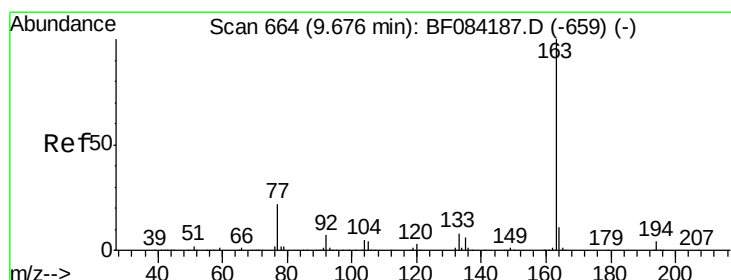
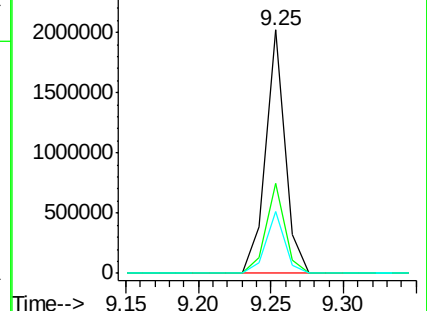
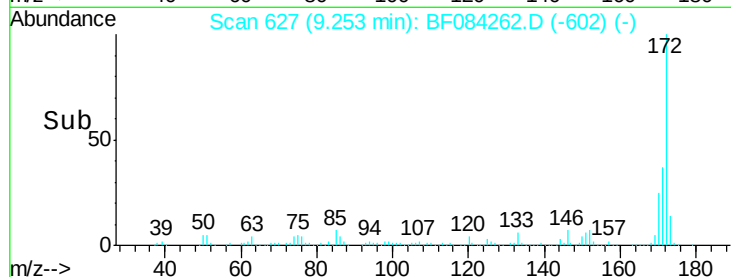
170 25.3 18.6 27.8



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: 9.76 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

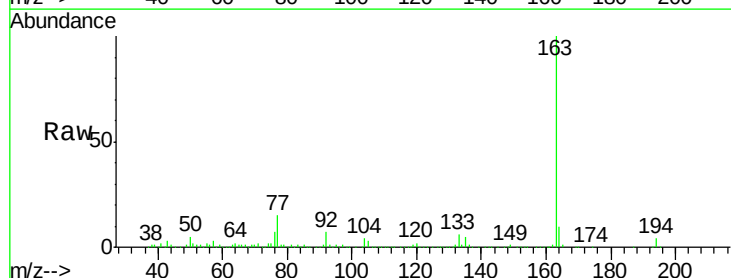
Tgt Ion:163 Resp: 356441

Ion Ratio Lower Upper

163 100

194 3.7 8.0 12.0#

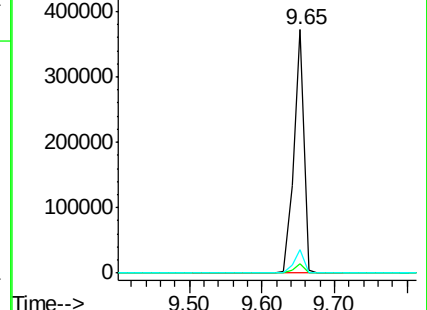
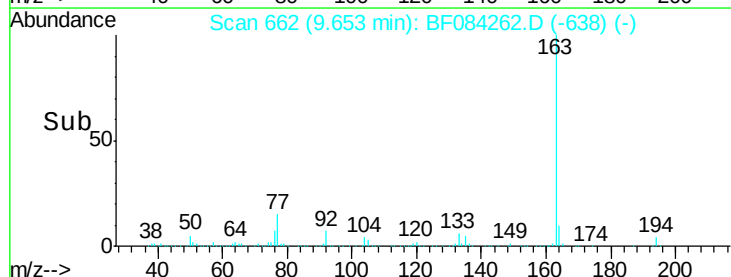
164 9.6 8.0 12.0

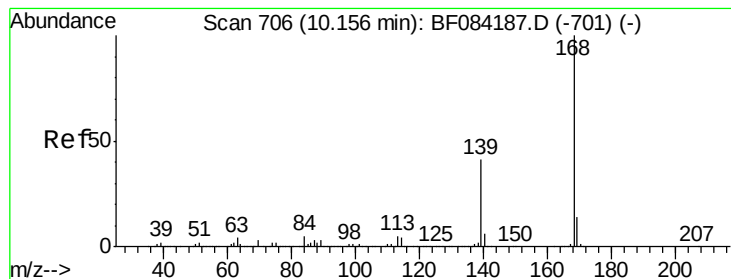


Abundance Ion 163.00 (162.70 to 163.70): E

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: BF084262.D

Acq: 5 Jan 2016 3:40

Instrument :

BNA_F

ClientSampleId :

W-30

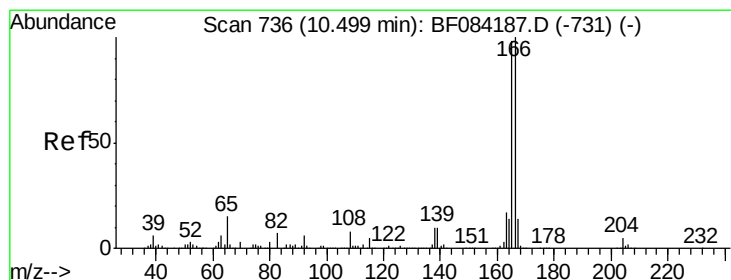
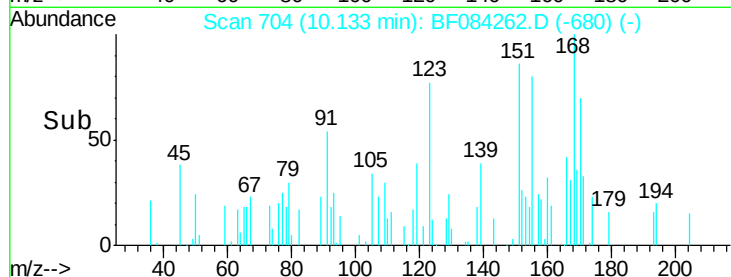
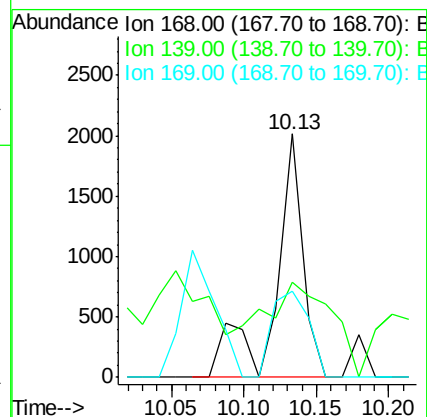
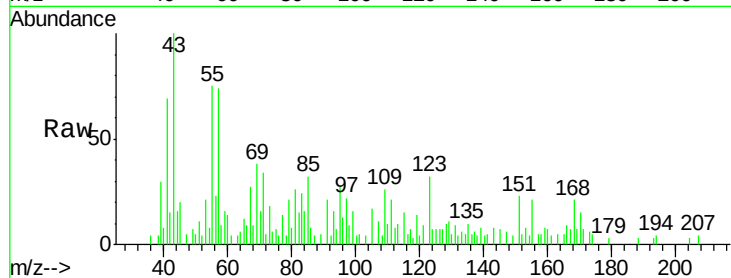
Tgt Ion:168 Resp: 2681

Ion Ratio Lower Upper

168 100

139 39.1 30.5 45.7

169 35.6 10.4 15.6#



#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

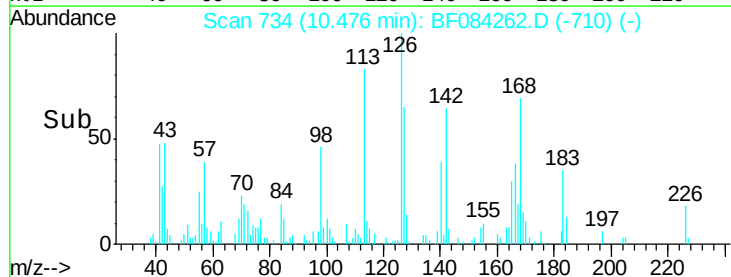
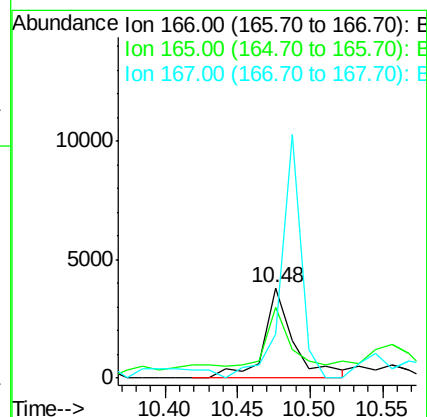
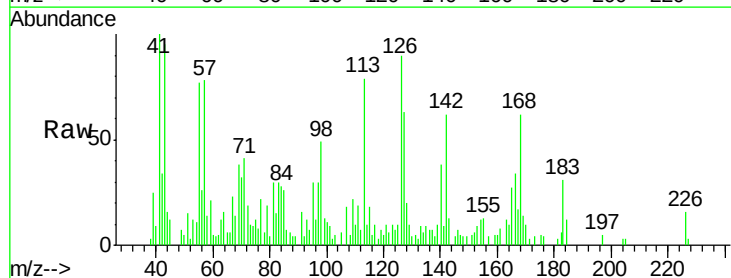
Tgt Ion:166 Resp: 5444

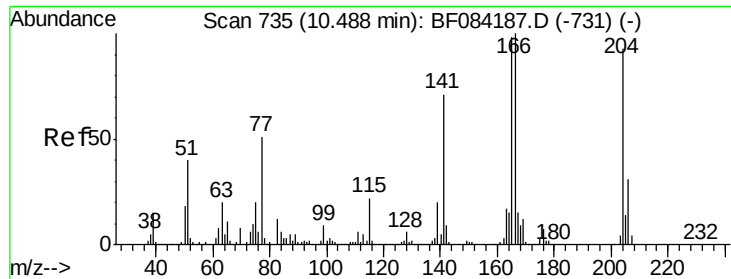
Ion Ratio Lower Upper

166 100

165 78.4 79.1 118.7#

167 49.3 10.4 15.6#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

Instrument :

BNA_F

ClientSampled :

W-30

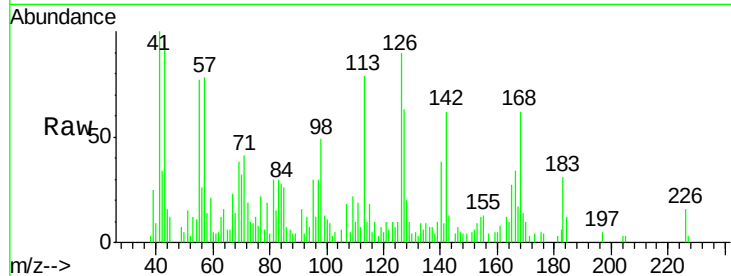
Tgt Ion:204 Resp: 210

Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

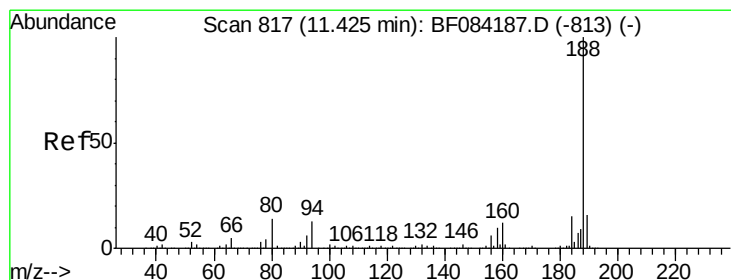
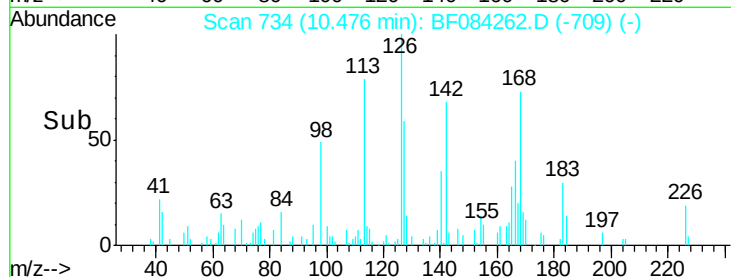
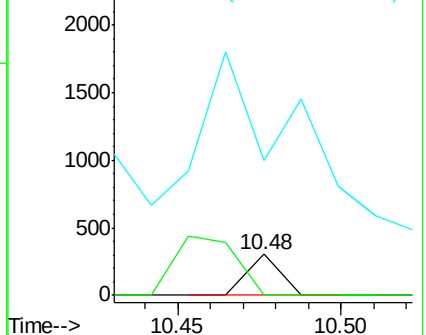
141 326.1 55.1 82.7#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

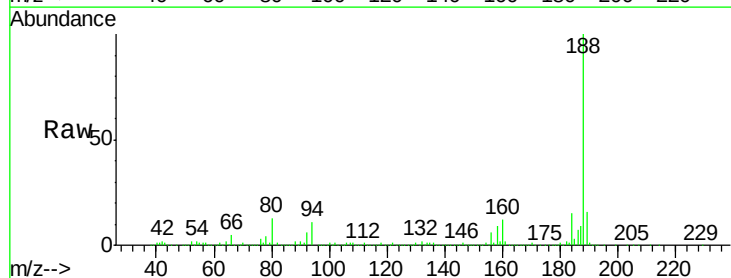
Tgt Ion:188 Resp: 877997

Ion Ratio Lower Upper

188 100

94 11.3 9.0 13.4

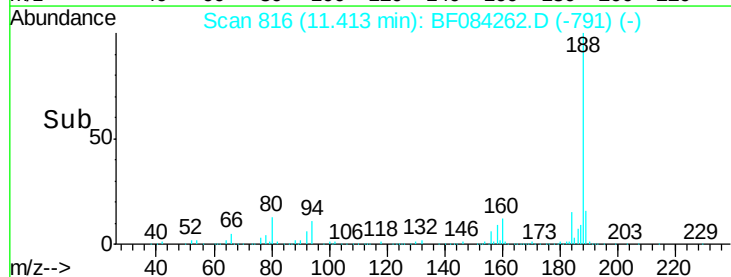
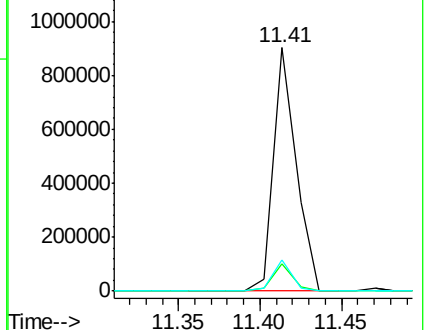
80 12.8 9.6 14.4

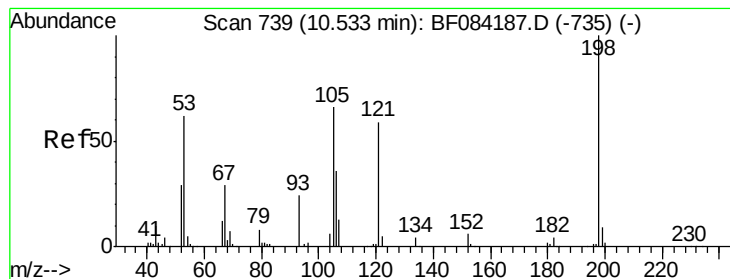


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.47 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

Instrument :

BNA_F

ClientSampleId :

W-30

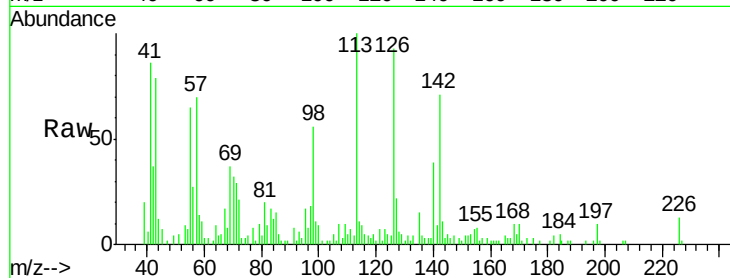
Tgt Ion:198 Resp: 286

Ion Ratio Lower Upper

198 100

51 255.2 18.9 58.9#

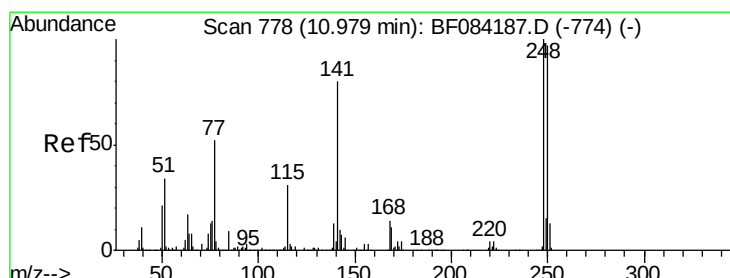
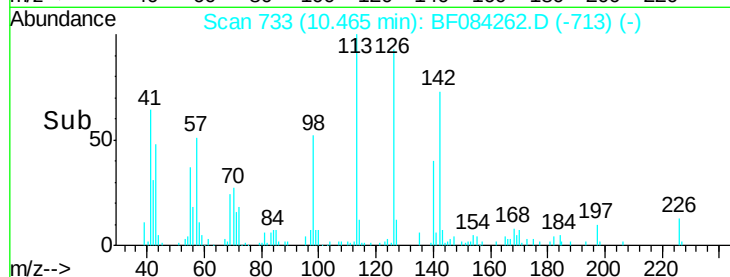
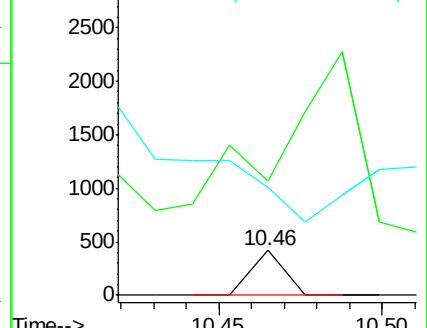
105 242.2 26.4 66.4#



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: 2.77 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.26 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

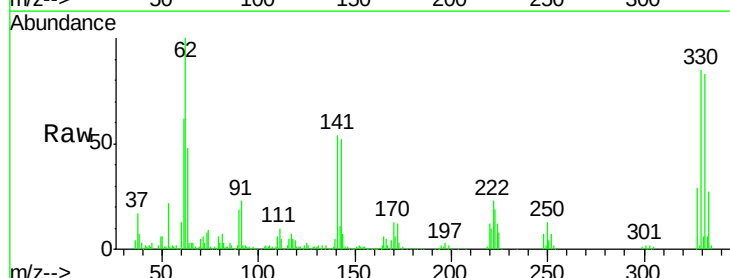
Tgt Ion:248 Resp: 26204

Ion Ratio Lower Upper

248 100

250 188.6 78.4 117.6#

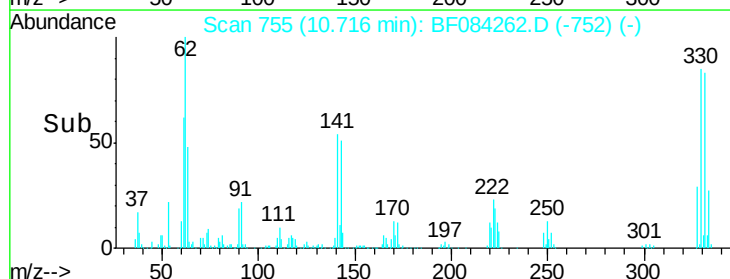
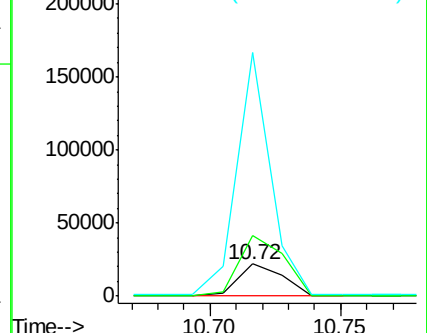
141 762.5 44.0 66.0#

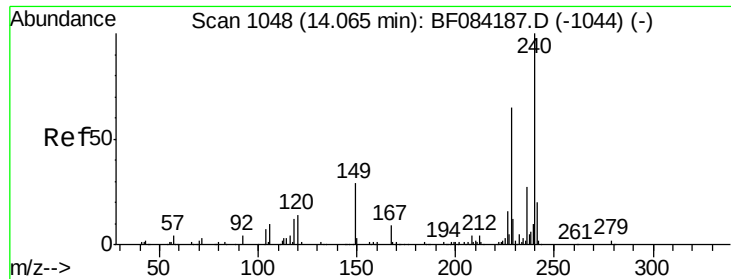


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF084262.D

Acq: 5 Jan 2016 3:40

Instrument :

BNA_F

ClientSampleId :

W-30

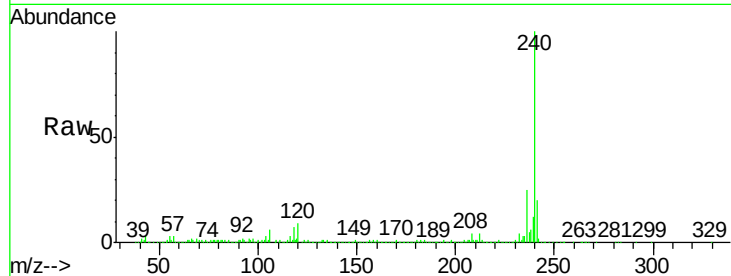
Tgt Ion:240 Resp: 607012

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

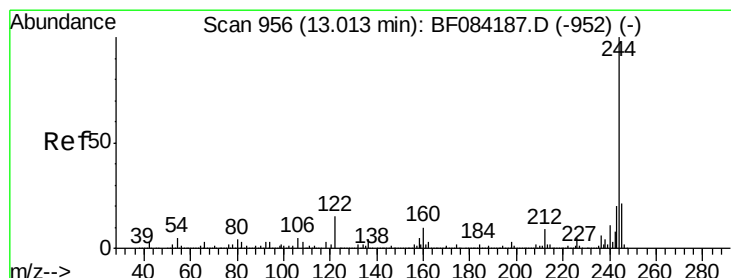
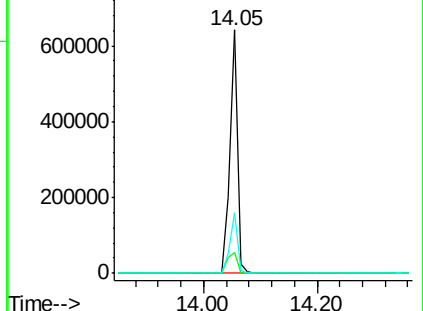
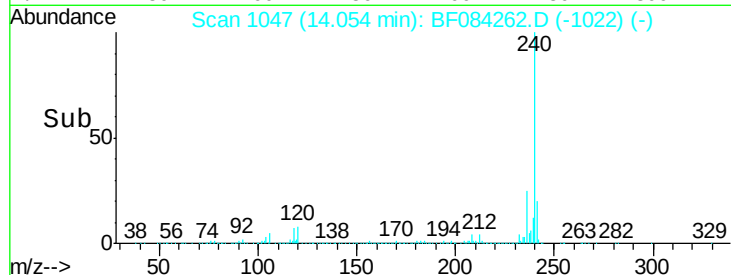
236 24.8 20.6 31.0



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: 47.00 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084262.D

Acq: 5 Jan 2016 3:40

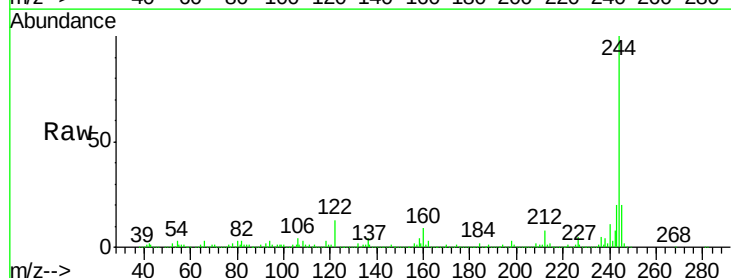
Tgt Ion:244 Resp: 1278229

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

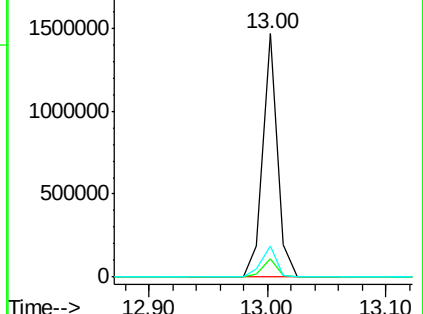
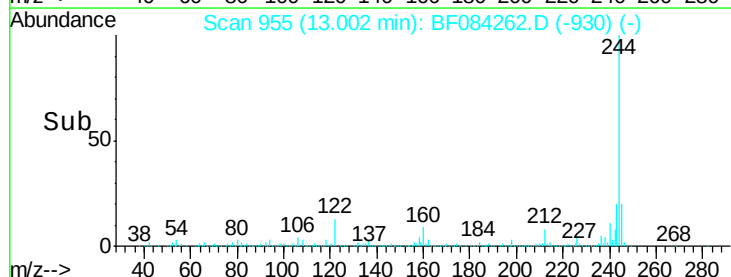
122 13.0 7.4 11.0#

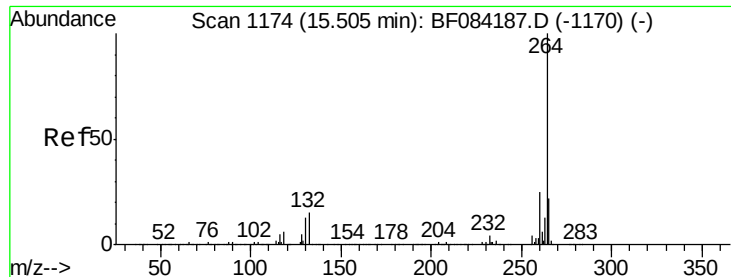


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF084262.D
Acq: 5 Jan 2016 3:40

Instrument :
BNA_F
ClientSampleId :
W-30

Tgt Ion: 264 Resp: 563200
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 21.4 17.8 26.6

