

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
 Data File : BF084421.D
 Acq On : 12 Jan 2016 20:24
 Operator : SJ/UM
 Sample : H1078-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW35

Quant Time: Jan 13 00:37:15 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

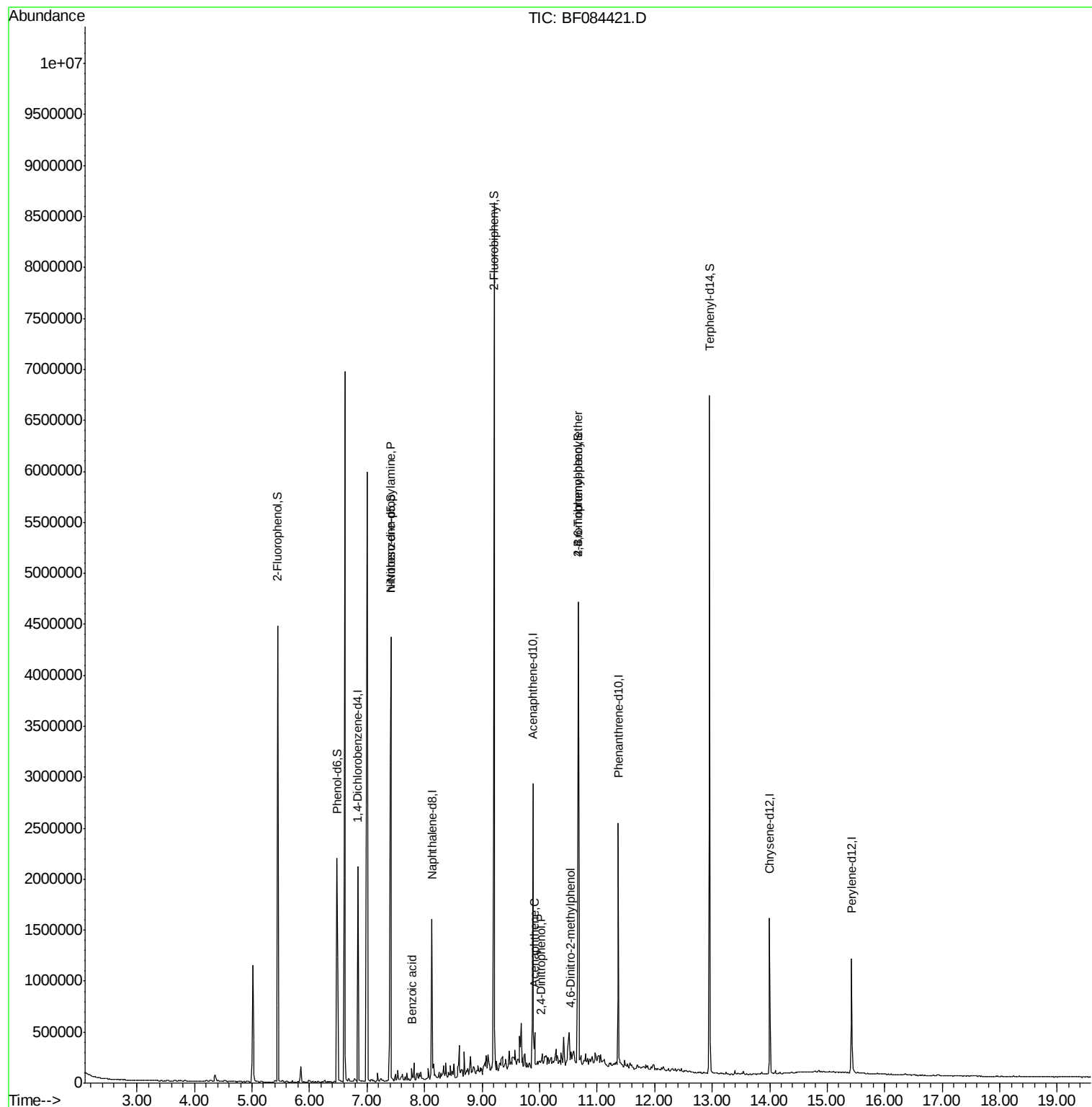
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	277538	20.00	ng	-0.06
21) Naphthalene-d8	8.13	136	1062613	20.00	ng	-0.06
38) Acenaphthene-d10	9.88	164	494125	20.00	ng	-0.07
63) Phenanthrene-d10	11.37	188	861720	20.00	ng	-0.06
75) Chrysene-d12	14.00	240	557378	20.00	ng	-0.07
86) Perylene-d12	15.43	264	487271	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1112534	64.84	ng	-0.04
7) Phenol-d6	6.48	99	898582	41.70	ng	-0.06
23) Nitrobenzene-d5	7.41	82	1815183	95.07	ng	-0.06
41) 2,4,6-Tribromophenol	10.67	330	597759	119.82	ng	-0.07
44) 2-Fluorobiphenyl	9.21	172	2429945	86.63	ng	-0.06
78) Terphenyl-d14	12.96	244	2087344	83.59	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	244968	16.79	ng	# 76
32) Benzoic acid	7.78	122	540	6.29	ng	# 1
51) Acenaphthene	9.92	154	76666	2.51	ng	95
53) 2,4-Dinitrophenol	10.03	184	4484	4.85	ng	# 59
54) Dibenzofuran	10.09	168	2690	Below Cal	#	47
57) Fluorene	10.43	166	4083	Below Cal	#	54
60) 4-Chlorophenyl-phenylether	10.41	204	684	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.54	198	5888	7.24	ng	81
66) 4-Bromophenyl-phenylether	10.67	248	34558	3.73	ng	# 1
73) Di-n-butylphthalate	11.94	149	3745	Below Cal	#	39

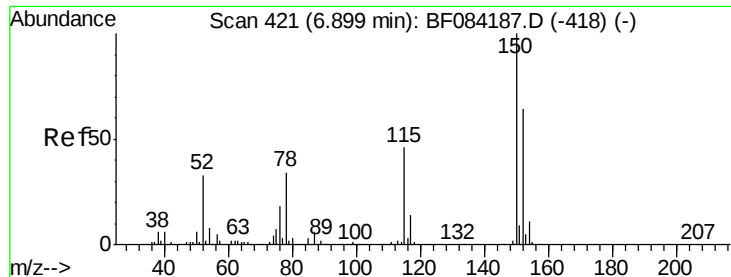
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.06 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

MW35

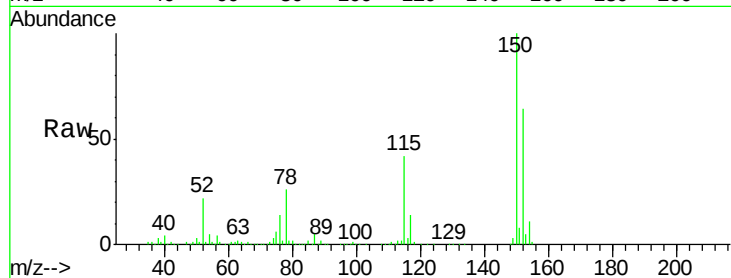
Tgt Ion:152 Resp: 277538

Ion Ratio Lower Upper

152 100

150 156.0 123.0 184.4

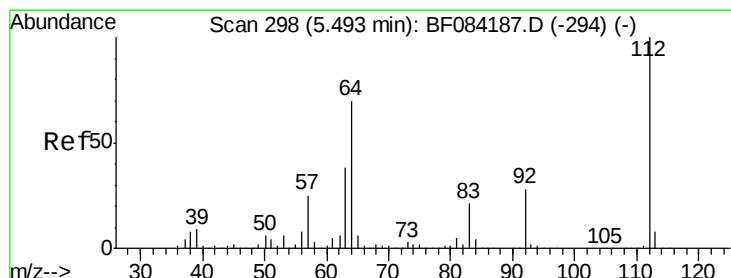
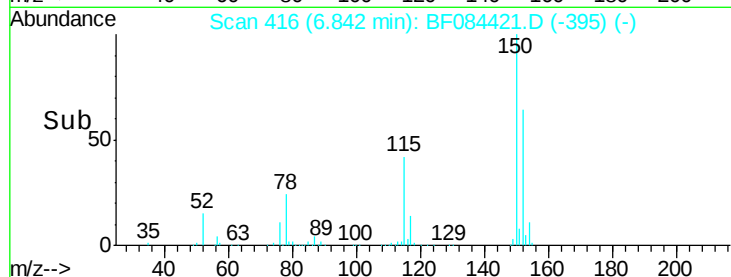
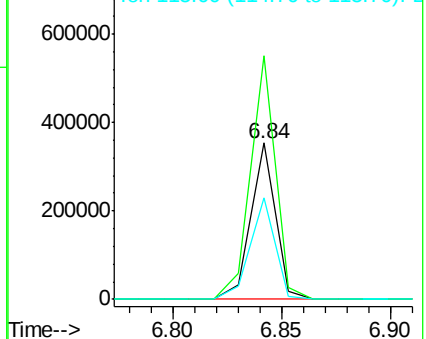
115 65.0 51.4 77.2



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: 64.84 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

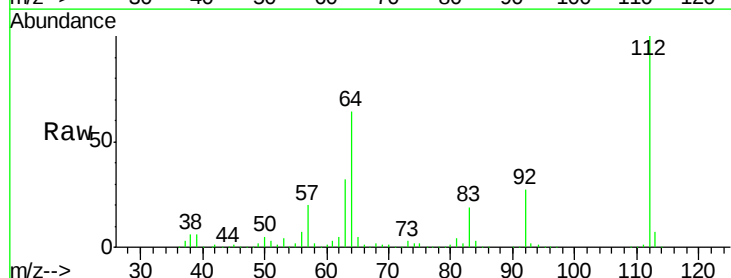
Tgt Ion:112 Resp: 1112534

Ion Ratio Lower Upper

112 100

64 64.4 36.6 55.0#

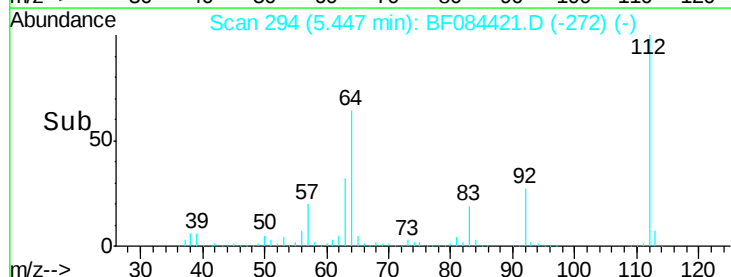
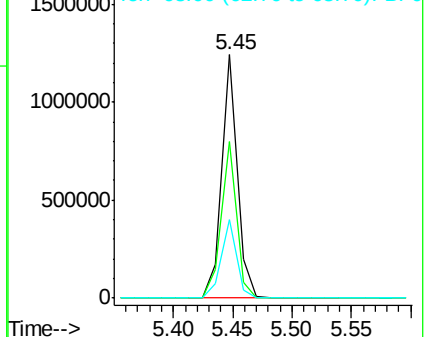
63 32.4 19.4 29.0#

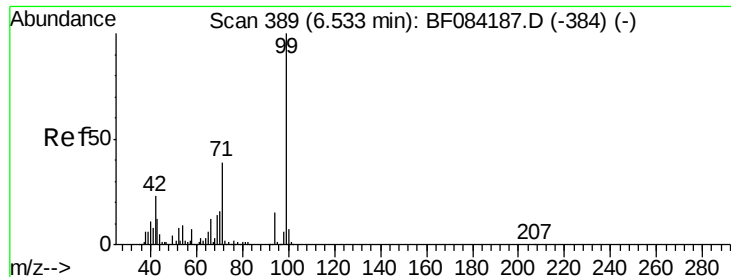


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.70 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

MW35

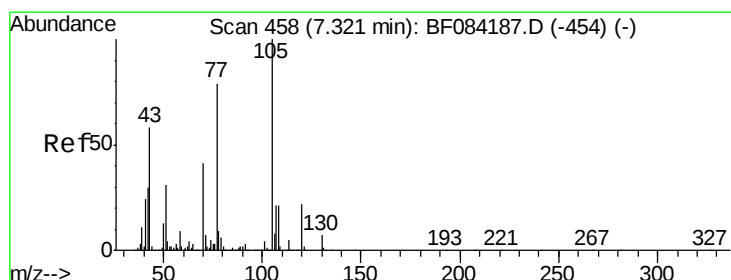
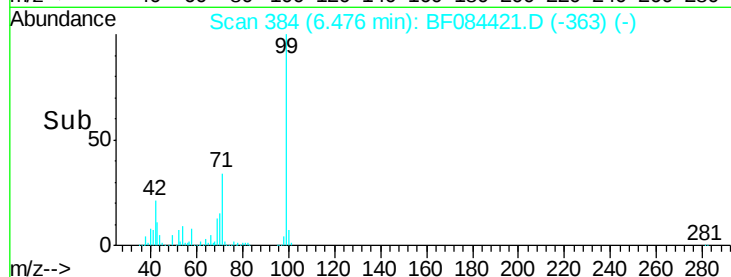
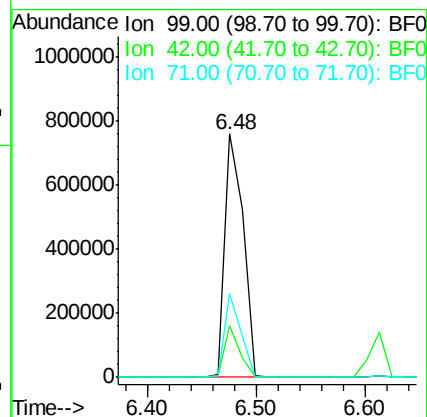
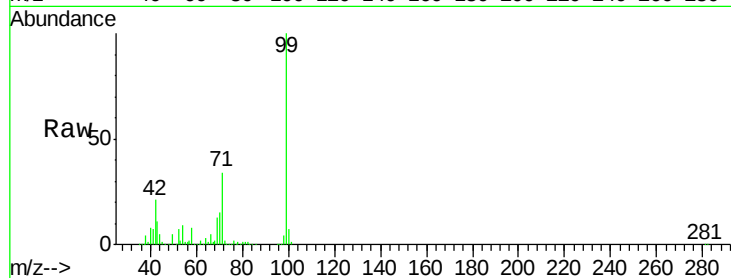
Tgt Ion: 99 Resp: 898582

Ion Ratio Lower Upper

99 100

42 21.0 12.8 19.2#

71 34.3 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.79 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.09 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

Tgt Ion: 70 Resp: 244968

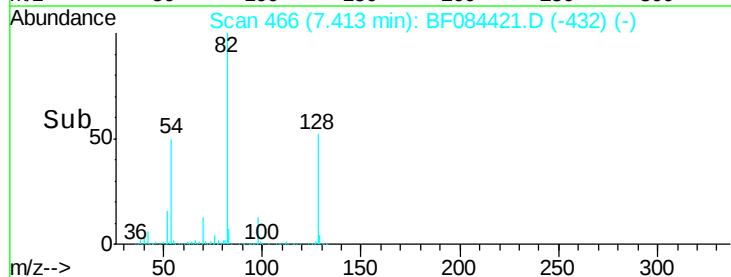
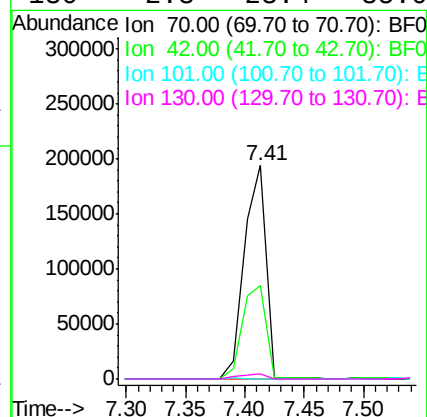
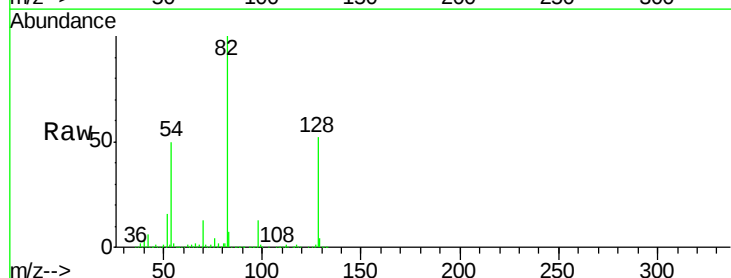
Ion Ratio Lower Upper

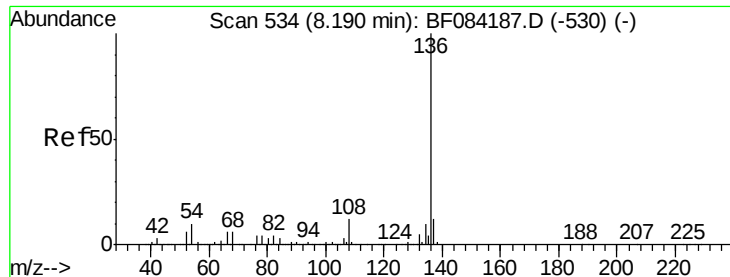
70 100

42 43.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#

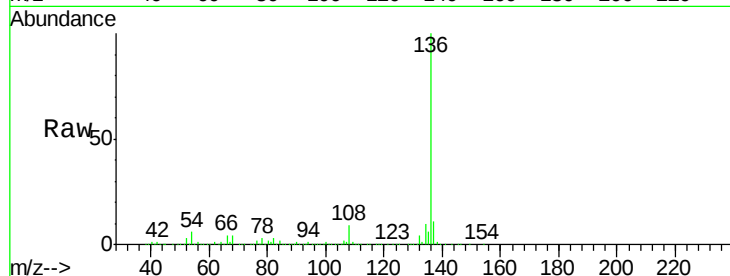




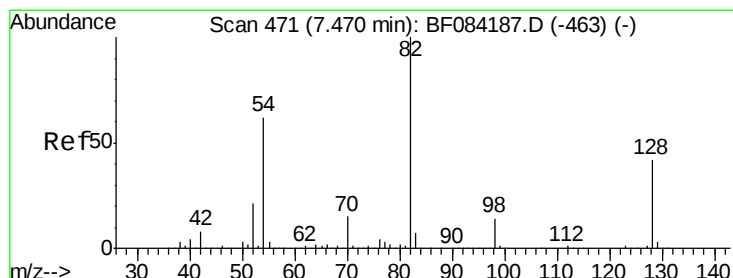
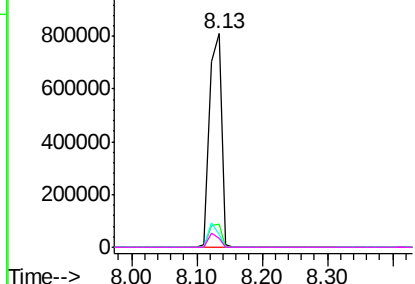
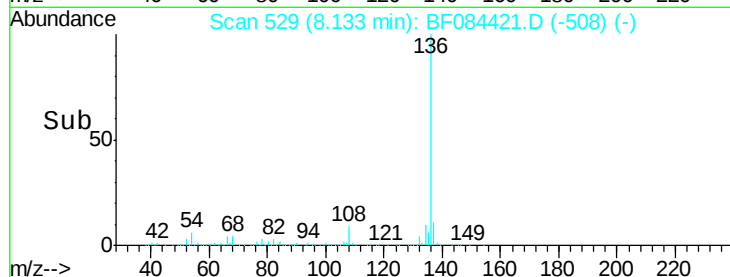
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.06 min
Lab File: BF084421.D
Acq: 12 Jan 2016 20:24

Instrument :
BNA_F
ClientSampleId :
MW35

Tgt Ion:136 Resp: 1062613
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 6.1 5.8 8.8
68 4.4 4.2 6.2

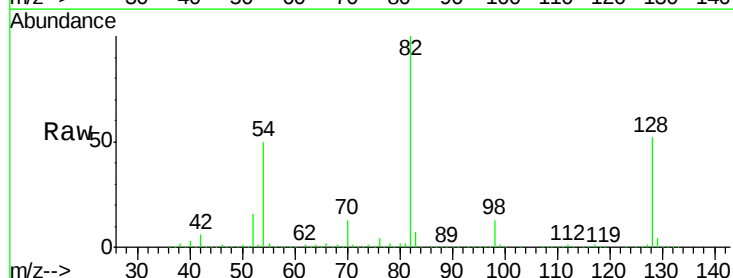


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

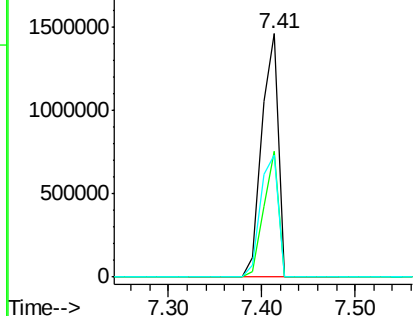
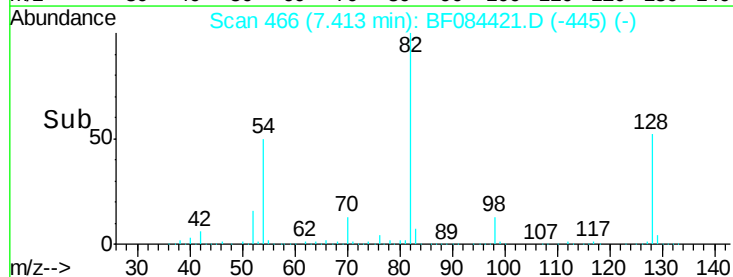


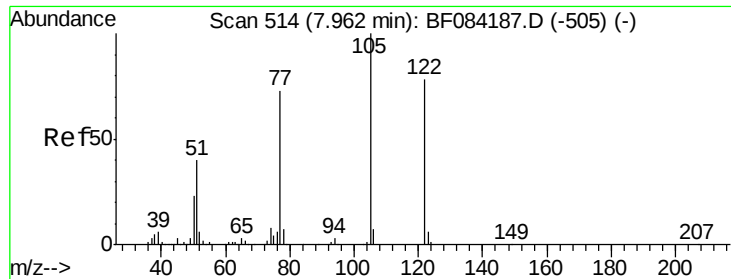
#23
Nitrobenzene-d5
Concen: 95.07 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.06 min
Lab File: BF084421.D
Acq: 12 Jan 2016 20:24

Tgt Ion: 82 Resp: 1815183
Ion Ratio Lower Upper
82 100
128 51.7 34.6 51.8
54 50.3 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

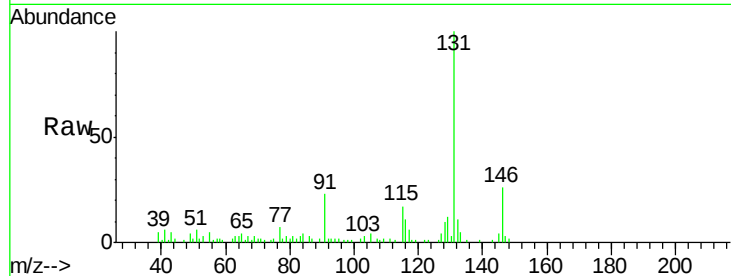




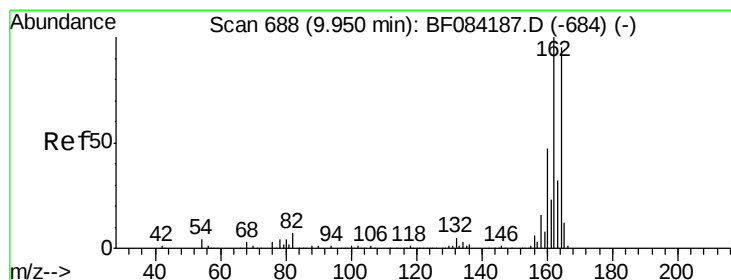
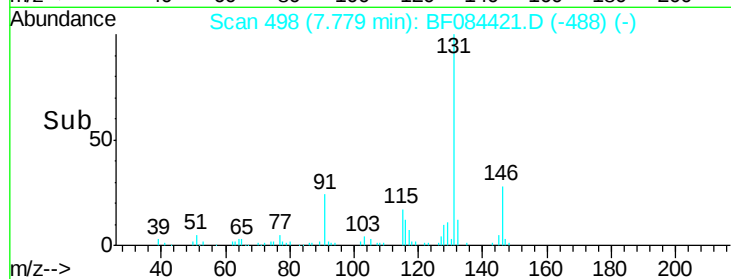
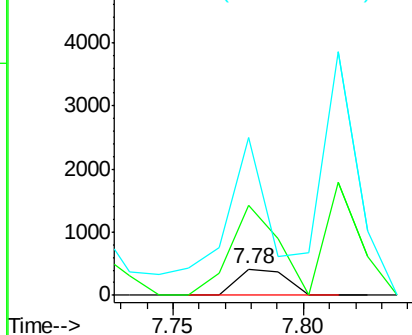
#32
Benzoic acid
Concen: 6.29 ng
RT: 7.78 min Scan# 498
Delta R.T. -0.18 min
Lab File: BF084421.D
Acq: 12 Jan 2016 20:24

Instrument :
BNA_F
ClientSampleId :
MW35

Tgt Ion:122 Resp: 540
Ion Ratio Lower Upper
122 100
105 344.2 100.3 140.3#
77 602.6 63.5 103.5#

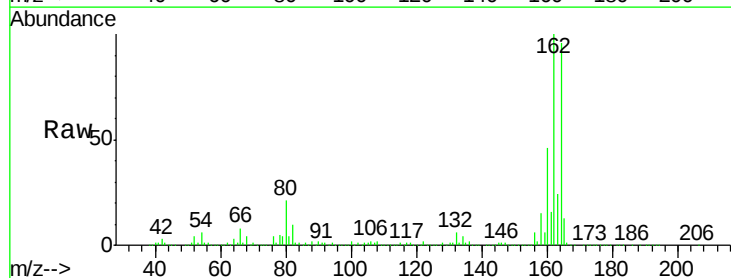


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

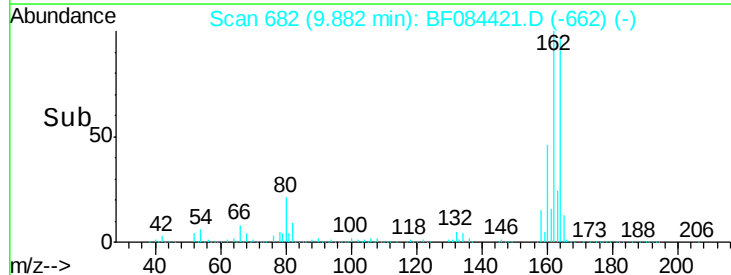
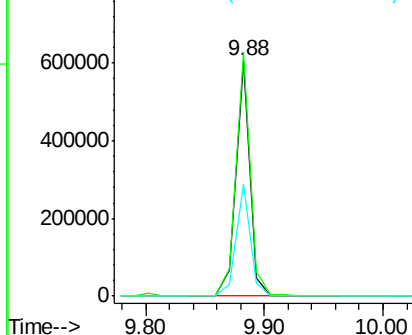


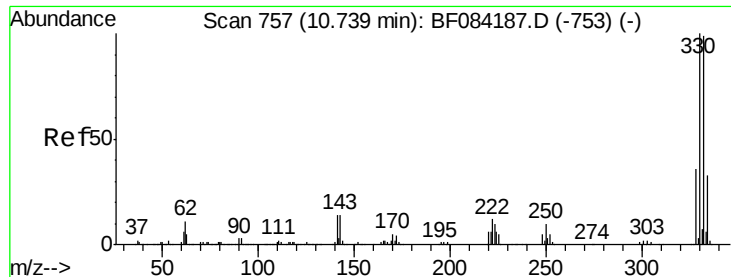
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.07 min
Lab File: BF084421.D
Acq: 12 Jan 2016 20:24

Tgt Ion:164 Resp: 494125
Ion Ratio Lower Upper
164 100
162 103.7 85.1 127.7
160 47.8 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

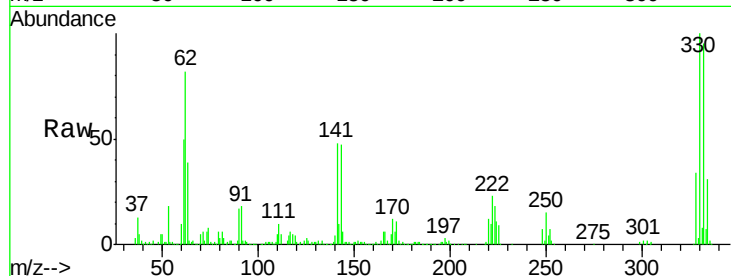




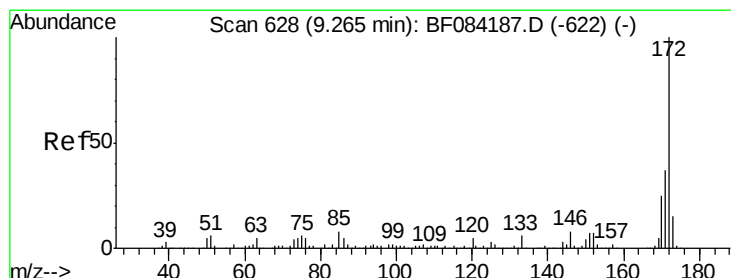
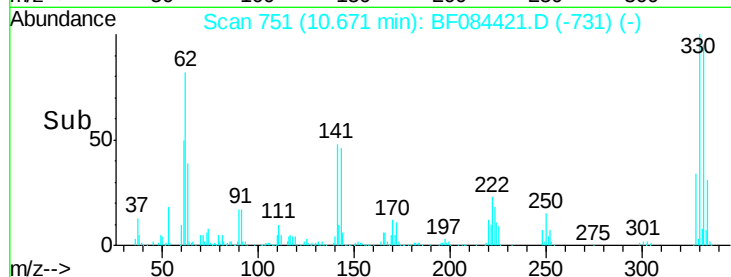
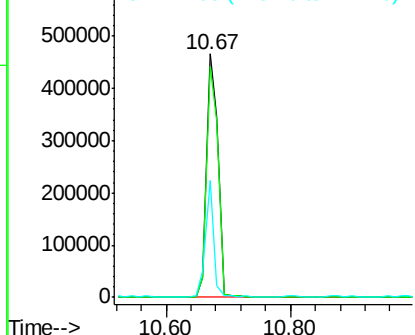
#41
 2,4,6-Tribromophenol
 Concen: 119.82 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.07 min
 Lab File: BF084421.D
 Acq: 12 Jan 2016 20:24

Instrument :
 BNA_F
 ClientSampleId :
 MW35

Tgt Ion:330 Resp: 597759
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 114.8
 141 34.9 27.8 41.6

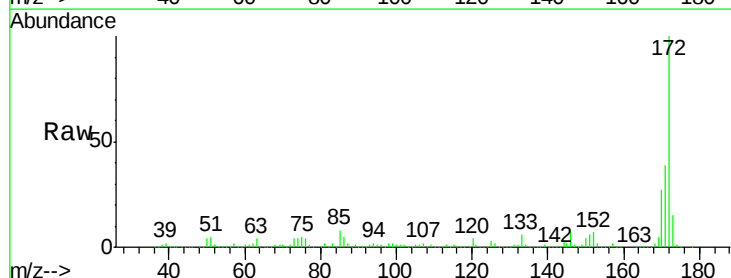


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

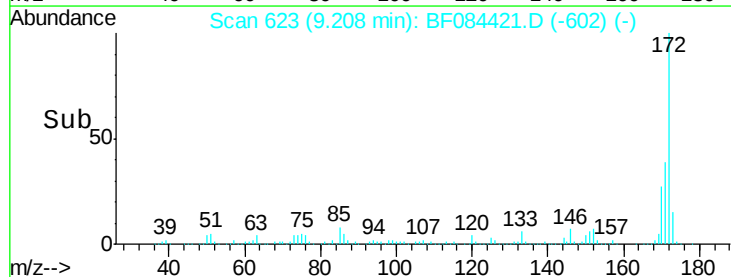
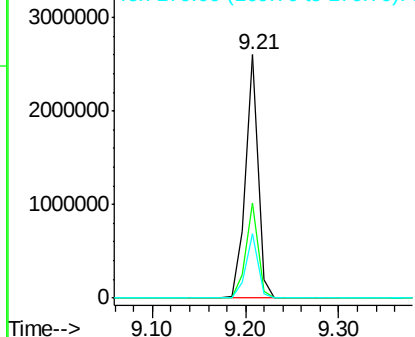


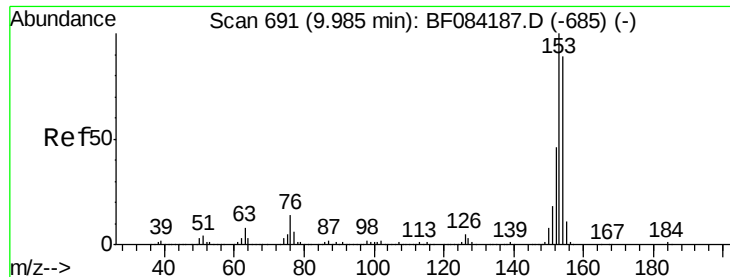
#44
 2-Fluorobiphenyl
 Concen: 86.63 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.06 min
 Lab File: BF084421.D
 Acq: 12 Jan 2016 20:24

Tgt Ion:172 Resp: 2429945
 Ion Ratio Lower Upper
 172 100
 171 39.1 28.9 43.3
 170 26.5 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





#51

Acenaphthene

Concen: 2.51 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.07 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

MW35

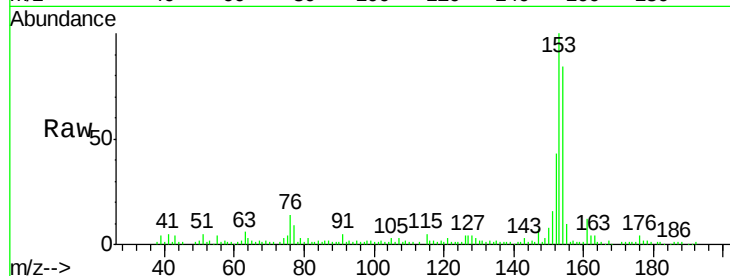
Tgt Ion:154 Resp: 76666

Ion Ratio Lower Upper

154 100

153 119.5 91.5 137.3

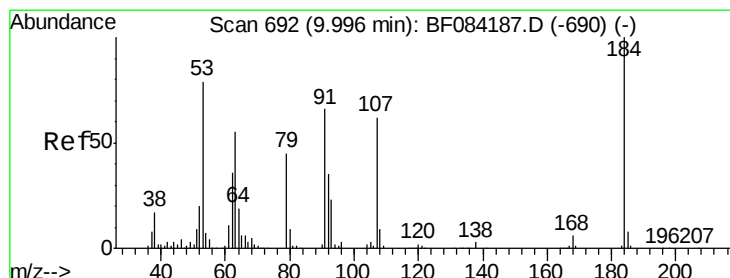
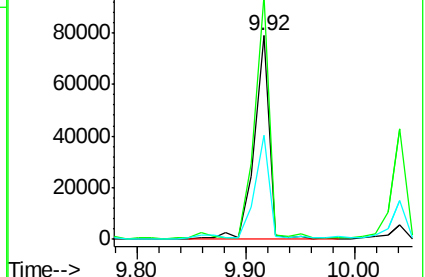
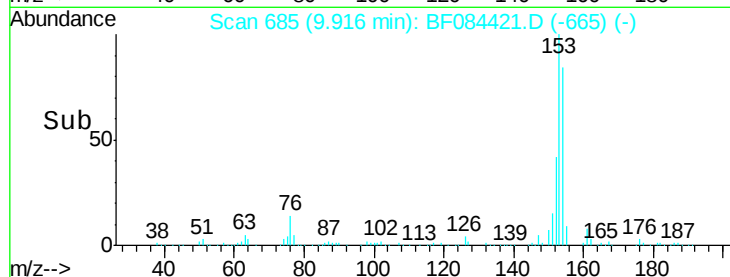
152 50.8 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 4.85 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.03 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

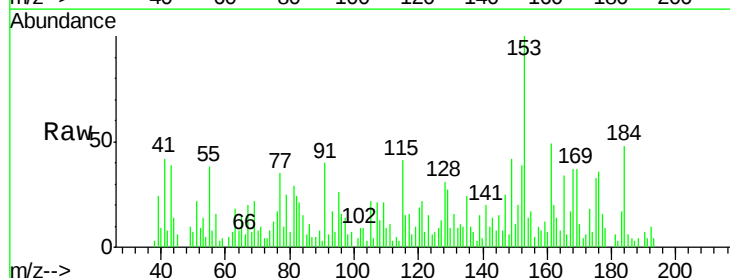
Tgt Ion:184 Resp: 4484

Ion Ratio Lower Upper

184 100

63 38.2 43.1 64.7#

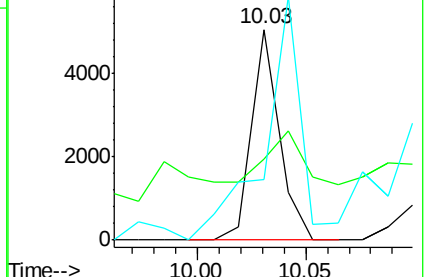
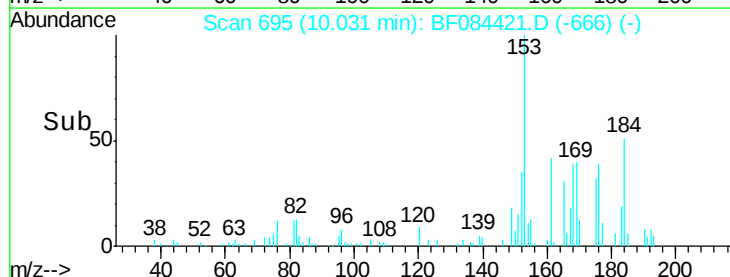
154 28.5 60.5 90.7#

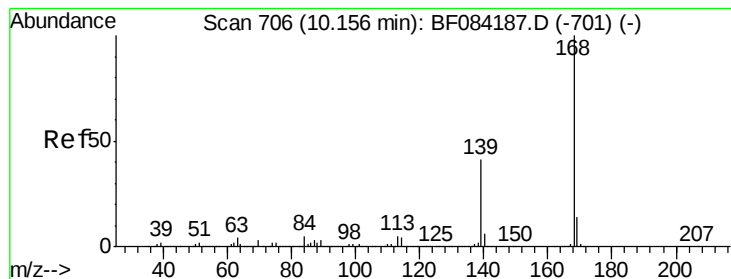


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: Below Cal

RT: 10.09 min Scan# 700

Delta R.T. -0.07 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

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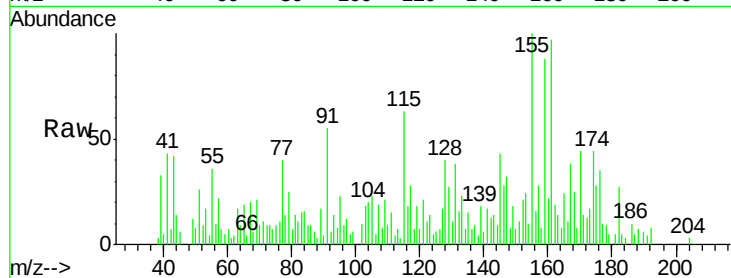
Tgt Ion:168 Resp: 2690

Ion Ratio Lower Upper

168 100

139 70.6 30.5 45.7#

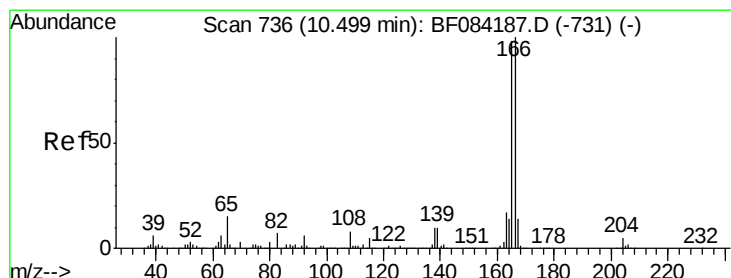
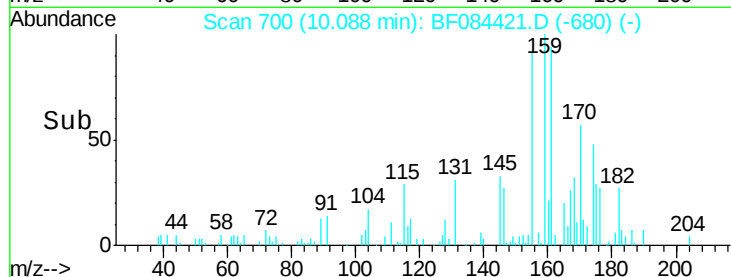
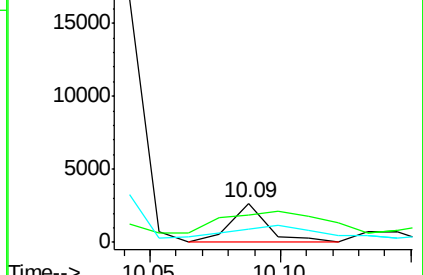
169 33.4 10.4 15.6#



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: 10.43 min Scan# 730

Delta R.T. -0.07 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

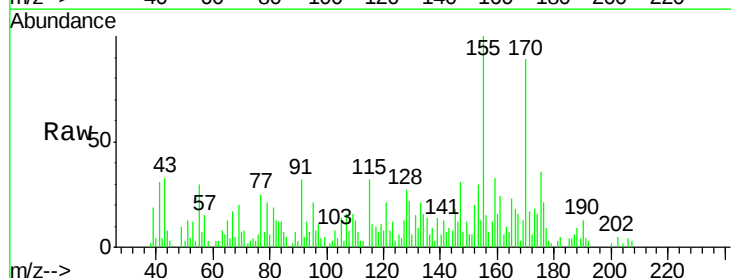
Tgt Ion:166 Resp: 4083

Ion Ratio Lower Upper

166 100

165 126.4 79.1 118.7#

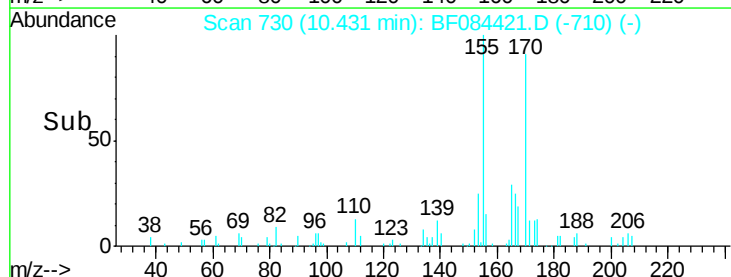
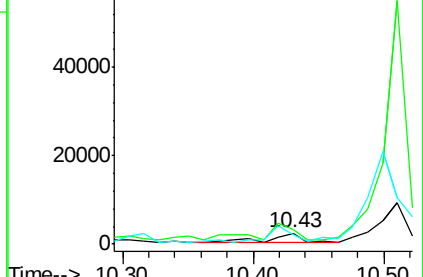
167 85.3 10.4 15.6#

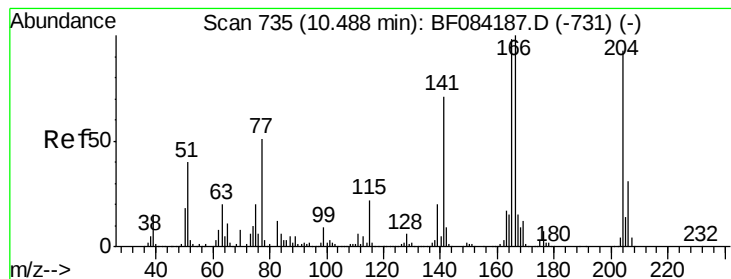


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.41 min Scan# 728

Delta R.T. -0.08 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

MW35

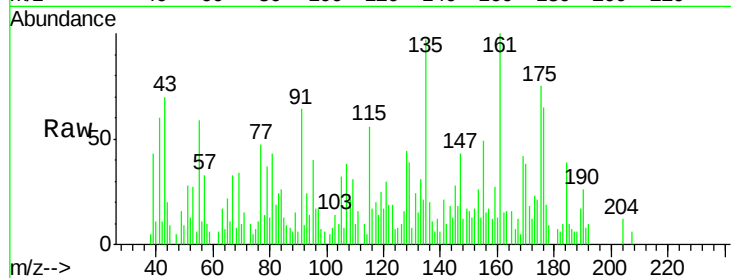
Tgt Ion:204 Resp: 684

Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

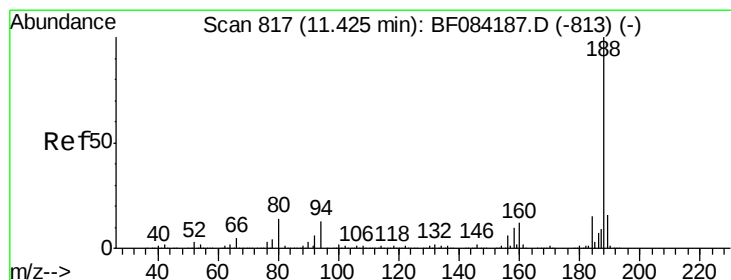
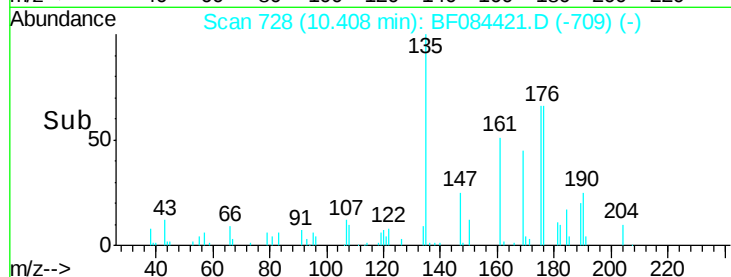
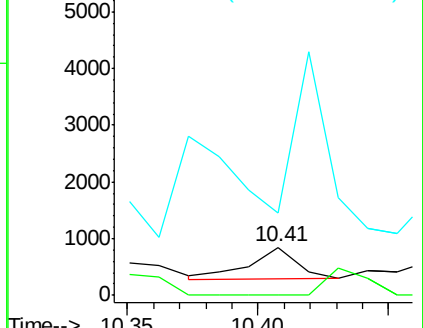
141 171.6 55.1 82.7#



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: 11.37 min Scan# 812

Delta R.T. -0.06 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

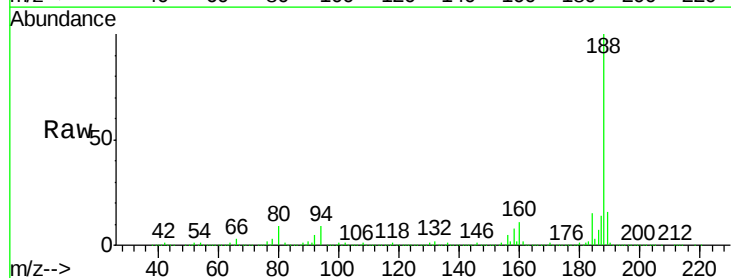
Tgt Ion:188 Resp: 861720

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.4#

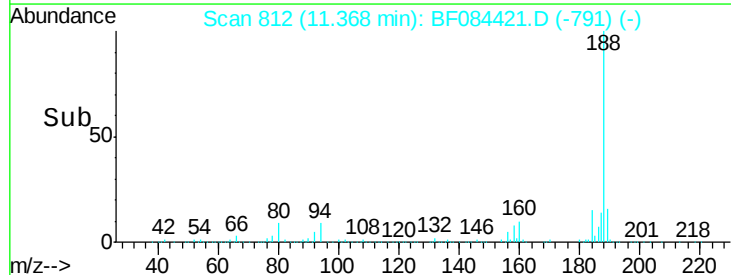
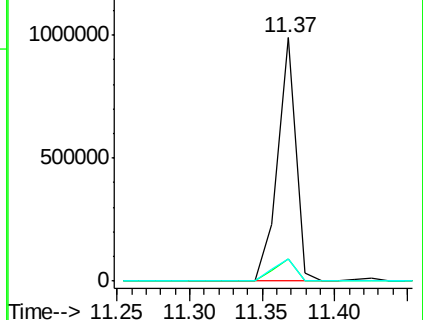
80 9.1 9.6 14.4#

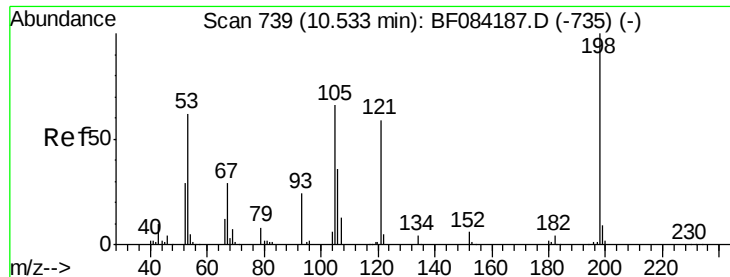


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.24 ng

RT: 10.54 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

Instrument :

BNA_F

ClientSampled :

MW35

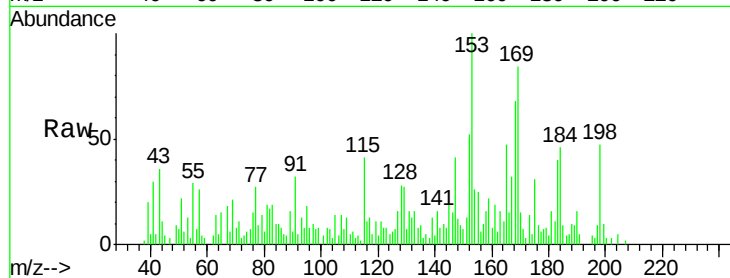
Tgt Ion:198 Resp: 5888

Ion Ratio Lower Upper

198 100

51 45.9 18.9 58.9

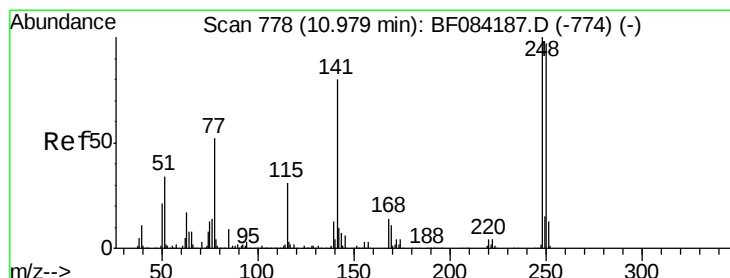
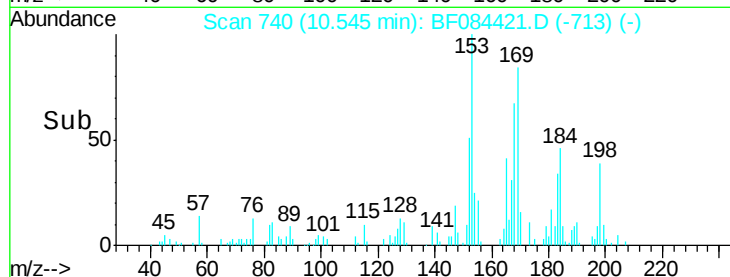
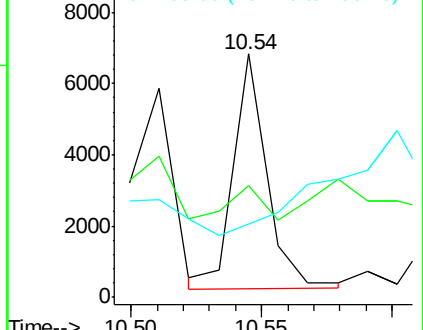
105 30.1 26.4 66.4



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: 3.73 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.31 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

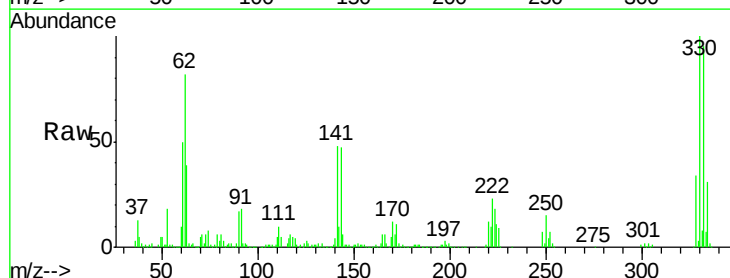
Tgt Ion:248 Resp: 34558

Ion Ratio Lower Upper

248 100

250 204.2 78.4 117.6#

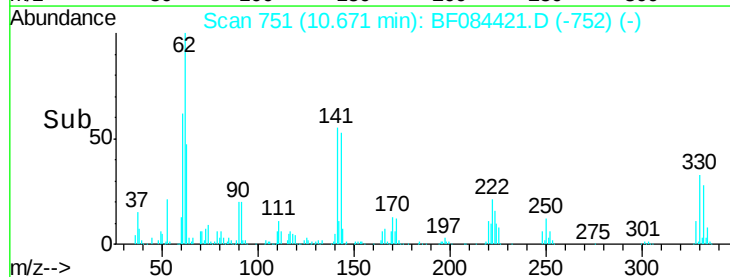
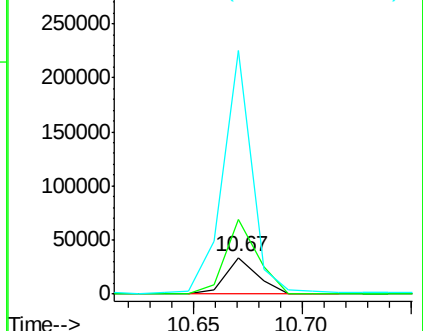
141 662.6 44.0 66.0#

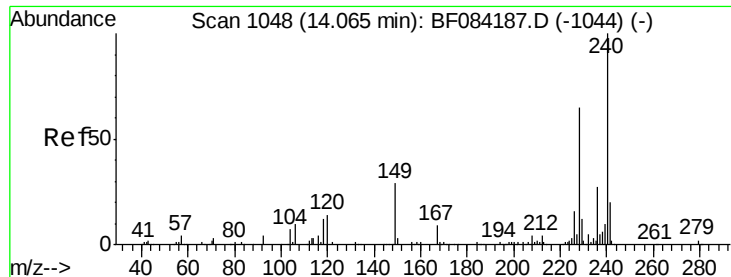


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.00 min Scan# 1042

Delta R.T. -0.07 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

MW35

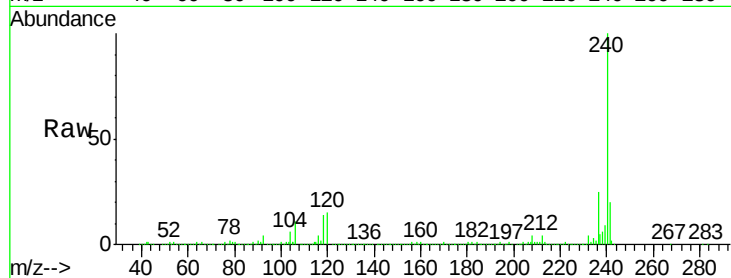
Tgt Ion:240 Resp: 557378

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

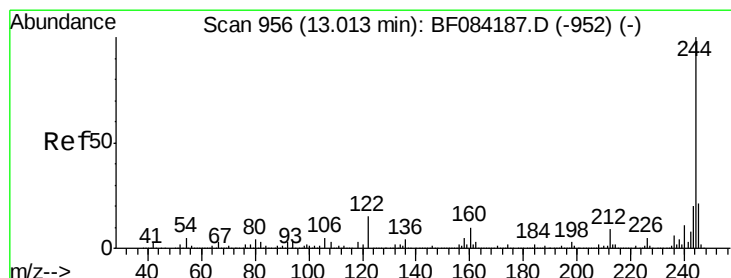
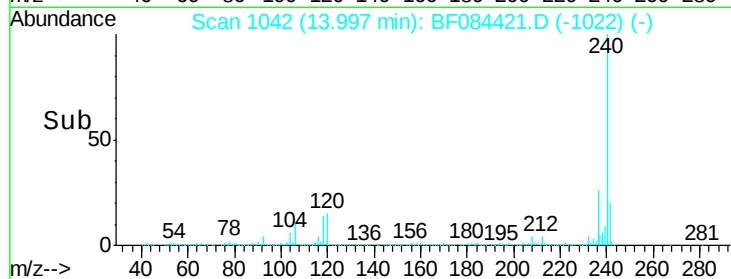
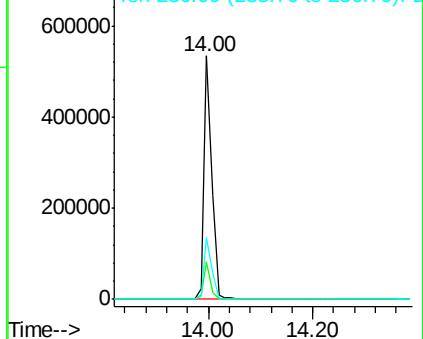
236 25.5 20.6 31.0



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: 83.59 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

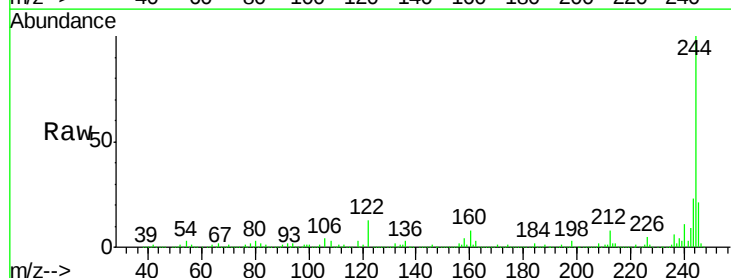
Tgt Ion:244 Resp: 2087344

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

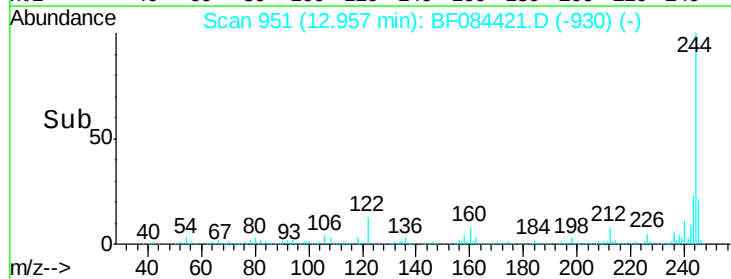
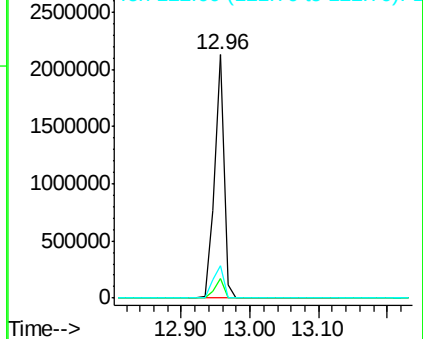
122 13.2 7.4 11.0#

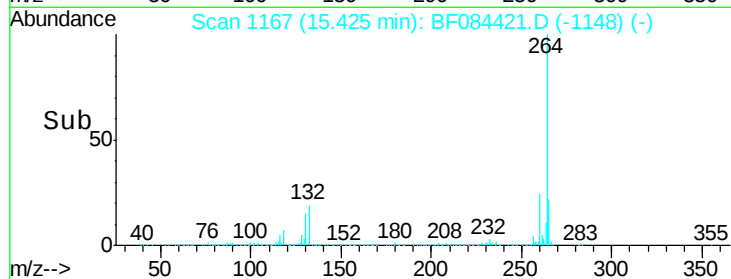
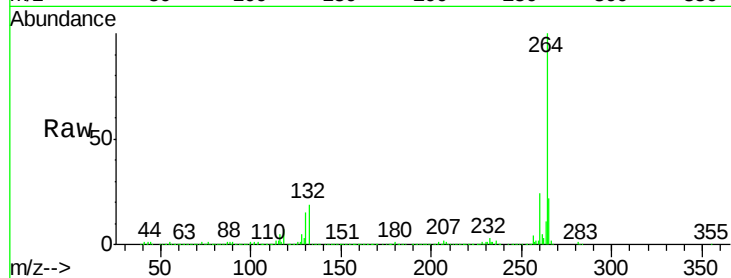
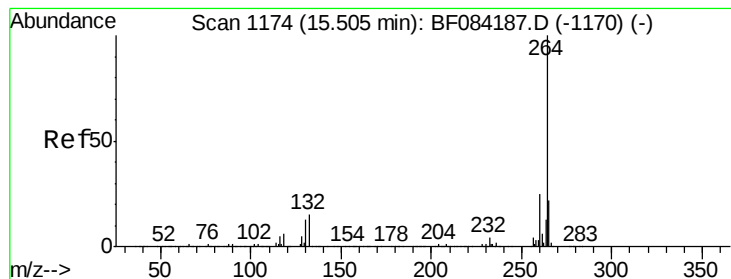


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.43 min Scan# 1167

Delta R.T. -0.08 min

Lab File: BF084421.D

Acq: 12 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

MW35

Tgt Ion: 264 Resp: 487271

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 21.9 17.8 26.6

