

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084260.D
 Acq On : 5 Jan 2016 2:45
 Operator : UM/SJ
 Sample : G4990-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-29

Quant Time: Jan 05 03:44:47 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

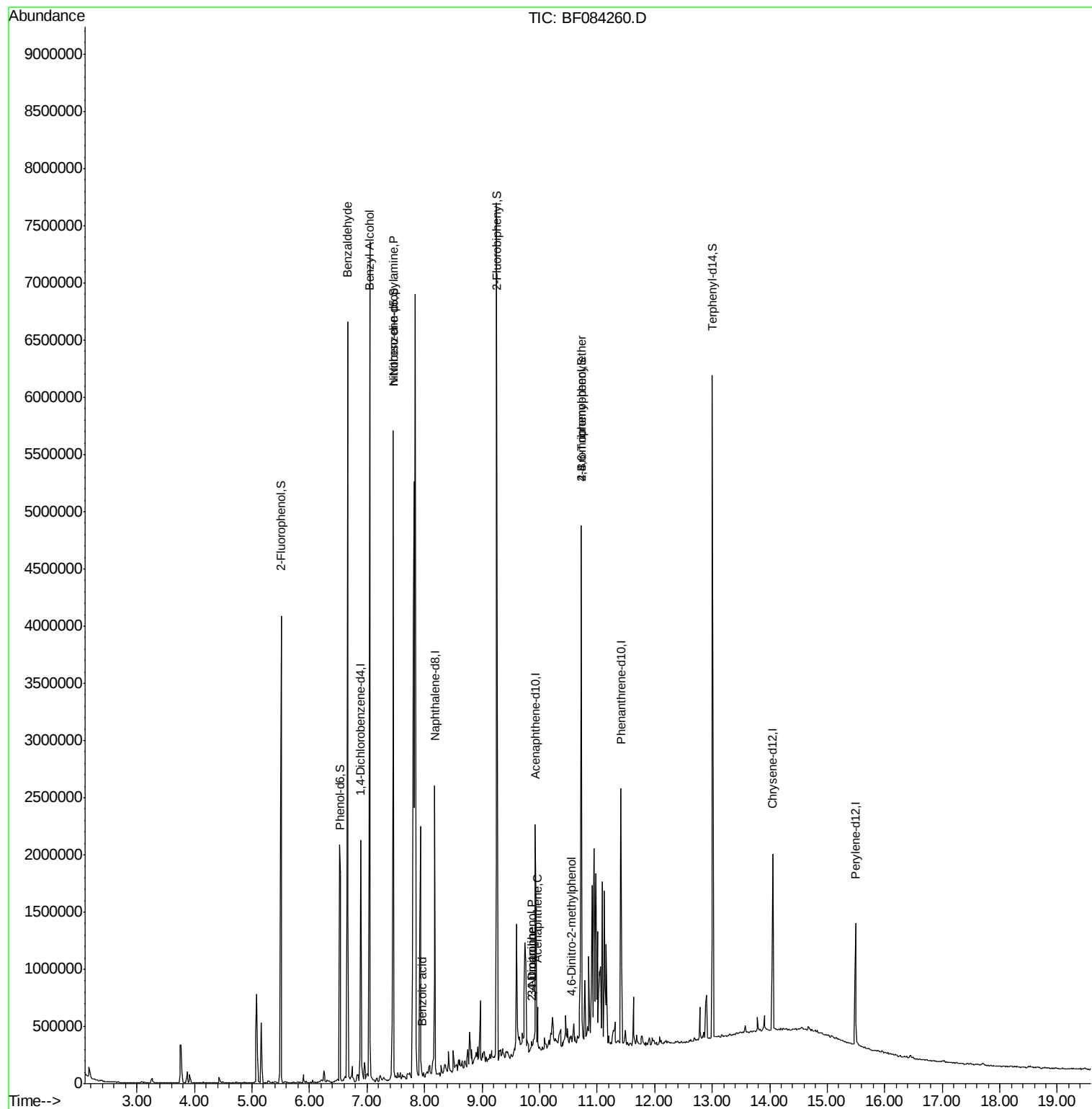
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	273674	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1134413	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	488975	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	818641	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	568111	20.00	ng	-0.01
86) Perylene-d12	15.49	264	529945	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1248520	73.79	ng	0.01
7) Phenol-d6	6.53	99	973387	45.81	ng	0.00
23) Nitrobenzene-d5	7.46	82	2018003	99.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	716940	145.23	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2863219	104.46	ng	-0.01
78) Terphenyl-d14	13.00	244	2151256	84.53	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.66	77	44410	3.21	ng	# 74
15) Benzyl Alcohol	7.05	79	36618	2.05	ng	# 47
19) n-Nitroso-di-n-propylamine	7.46	70	294862	20.50	ng	# 70
32) Benzoic acid	7.95	122	3642	6.51	ng	# 47
51) Acenaphthene	9.96	154	82934	2.74	ng	# 96
52) 3-Nitroaniline	9.86	138	23420	2.47	ng	# 7
53) 2,4-Dinitrophenol	9.87	184	245	3.63	ng	# 1
54) Dibenzofuran	10.13	168	2919	Below Cal		# 24
57) Fluorene	10.48	166	4862	Below Cal		# 87
60) 4-Chlorophenyl-phenylether	10.45	204	1609	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.56	198	362	6.48	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	47512	5.39	ng	# 1
73) Di-n-butylphthalate	11.99	149	21542	Below Cal		# 89

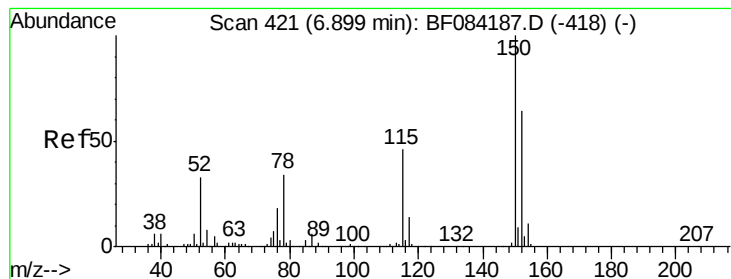
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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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: BF084260.D

Acq: 5 Jan 2016 2:45

Instrument :

BNA_F

ClientSampleId :

W-29

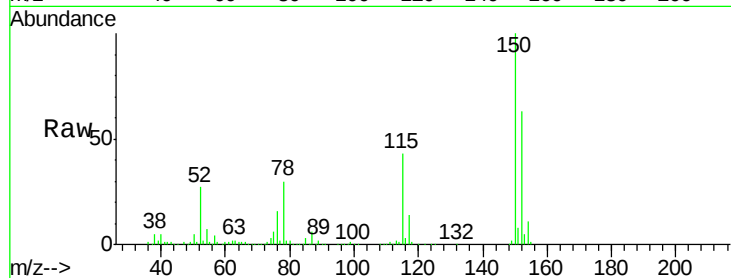
Tgt Ion:152 Resp: 273674

Ion Ratio Lower Upper

152 100

150 158.2 123.0 184.4

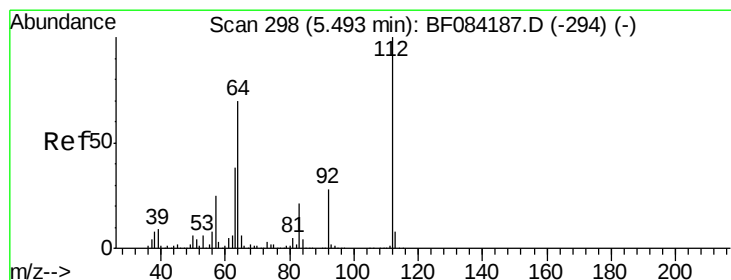
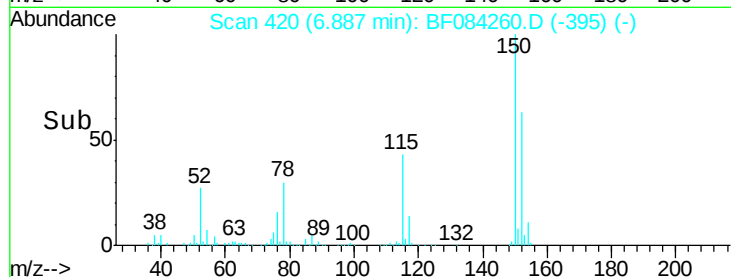
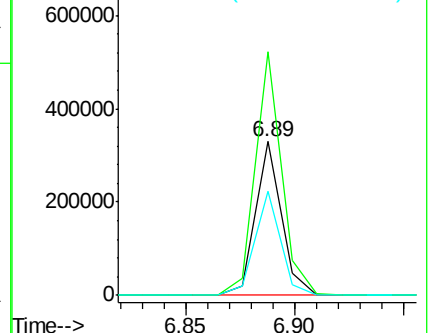
115 67.8 51.4 77.2



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: 73.79 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

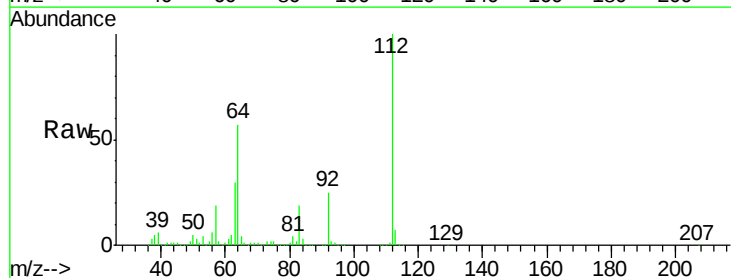
Tgt Ion:112 Resp: 1248520

Ion Ratio Lower Upper

112 100

64 57.1 36.6 55.0#

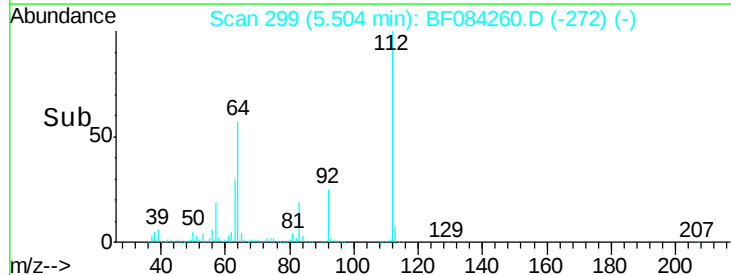
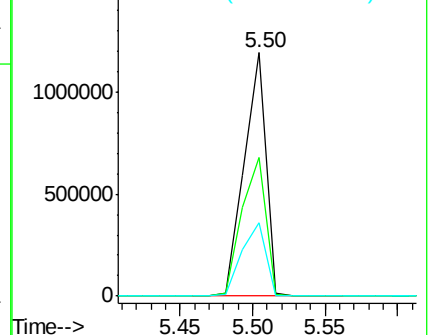
63 30.1 19.4 29.0#

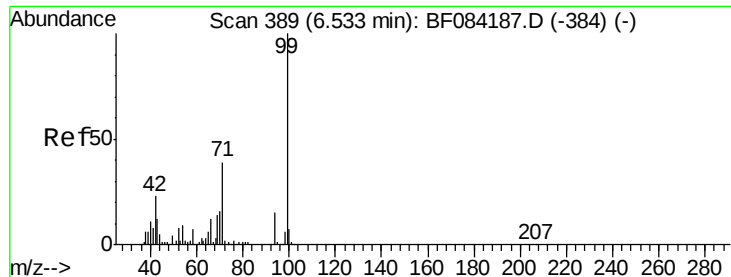


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 45.81 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

Instrument :

BNA_F

ClientSampleId :

W-29

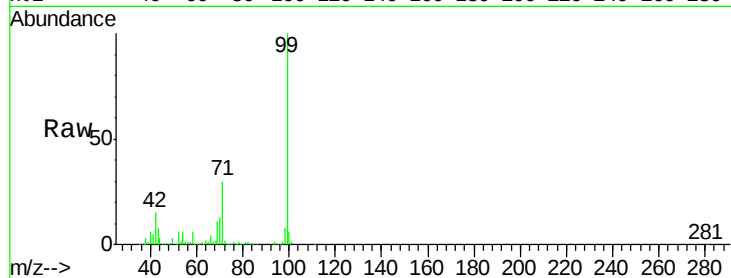
Tgt Ion: 99 Resp: 973387

Ion Ratio Lower Upper

99 100

42 14.6 12.8 19.2

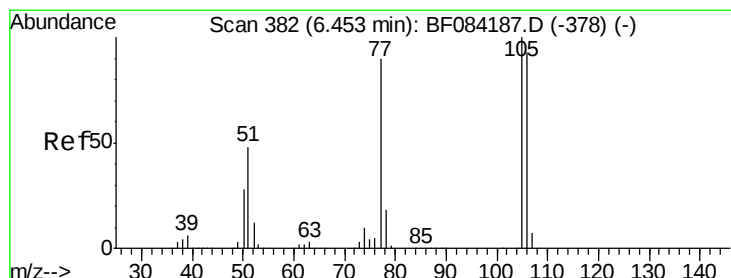
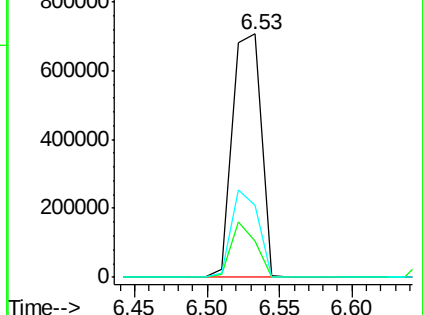
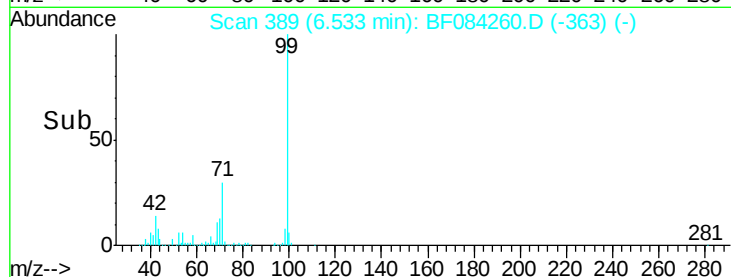
71 29.8 30.9 46.3#



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



#9

Benzaldehyde

Concen: 3.21 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.21 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

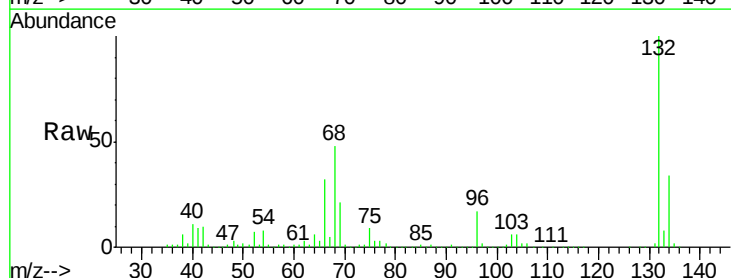
Tgt Ion: 77 Resp: 44410

Ion Ratio Lower Upper

77 100

105 78.3 83.0 123.0#

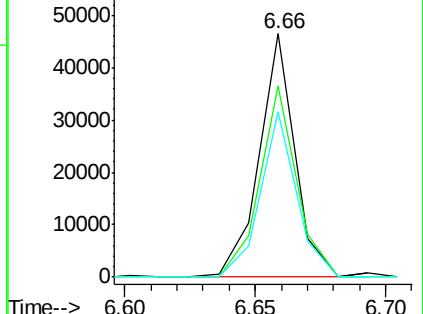
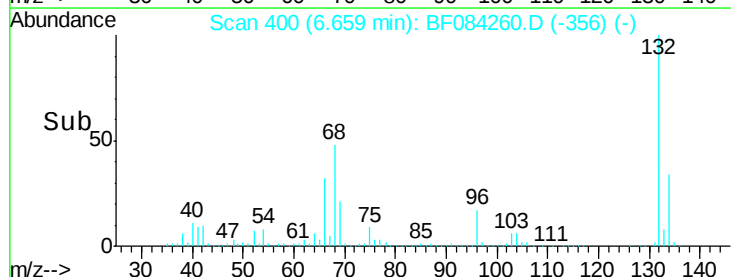
106 68.2 74.6 114.6#

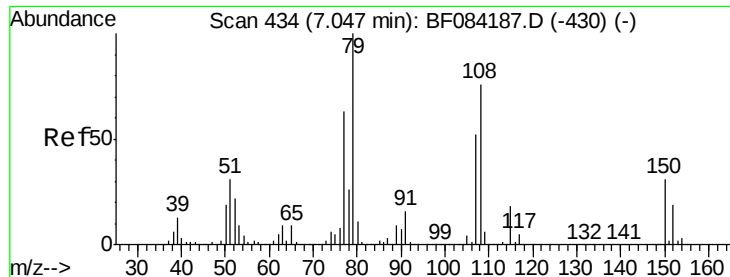


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

Instrument :

BNA_F

ClientSampled :

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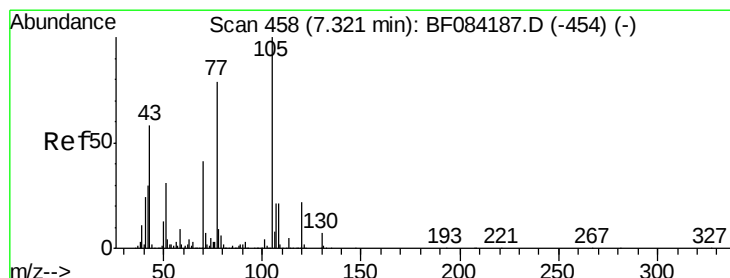
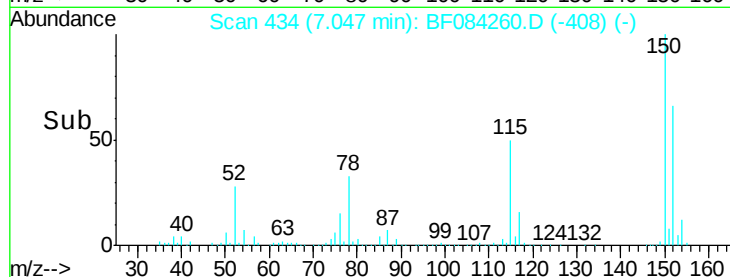
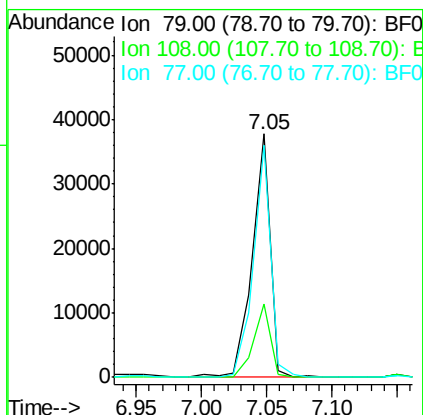
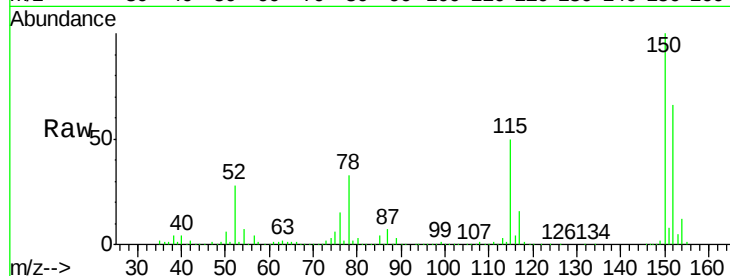
Tgt Ion: 79 Resp: 36618

Ion Ratio Lower Upper

79 100

108 29.9 69.0 103.4#

77 95.2 50.0 75.0#



#19

n-Nitroso-di-n-propylamine

Concen: 20.50 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

Tgt Ion: 70 Resp: 294862

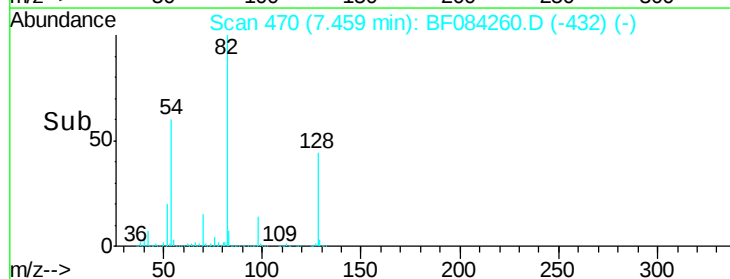
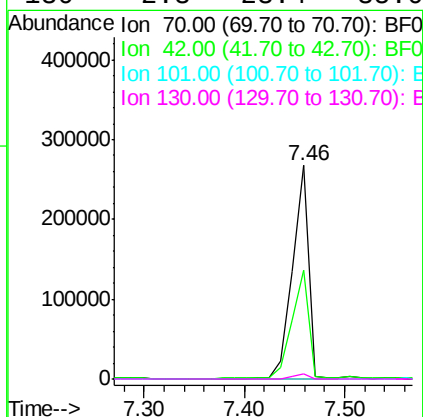
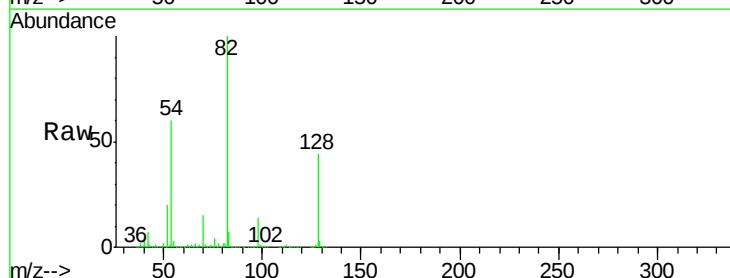
Ion Ratio Lower Upper

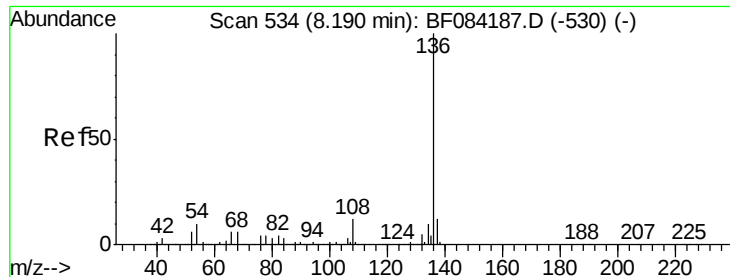
70 100

42 51.1 33.3 49.9#

101 0.3 9.3 13.9#

130 2.3 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 1134413

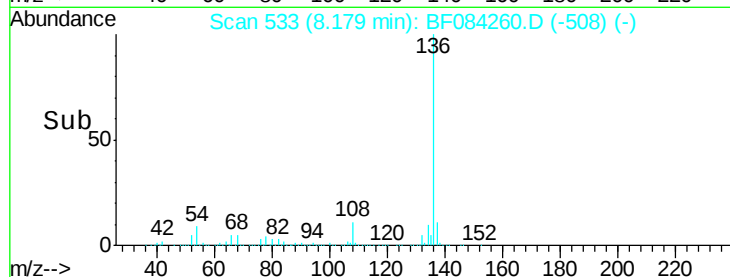
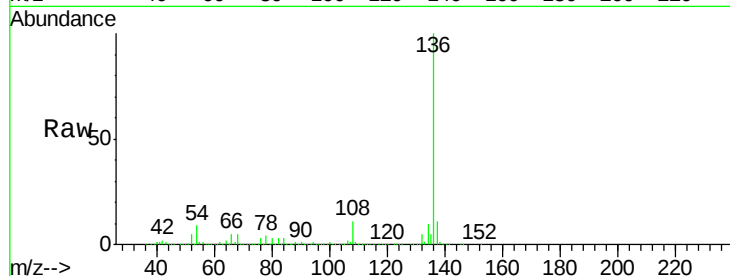
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.7 5.8 8.8

68 4.9 4.2 6.2

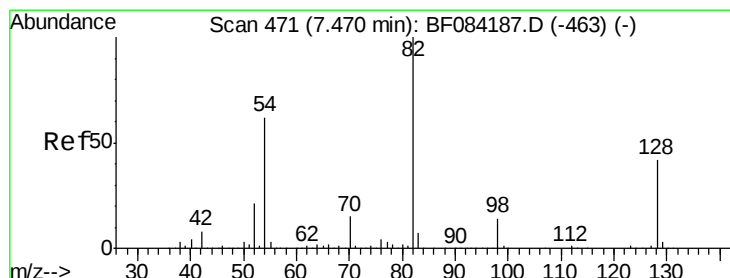
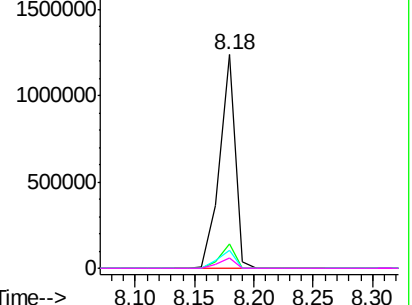


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.00 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

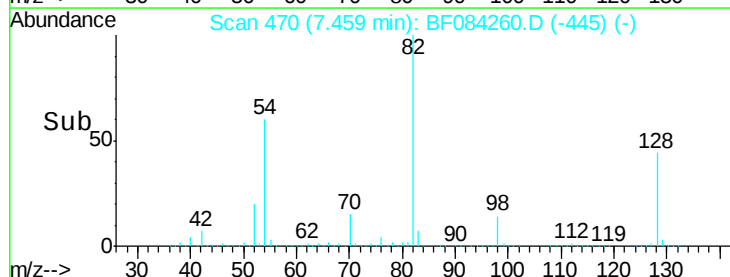
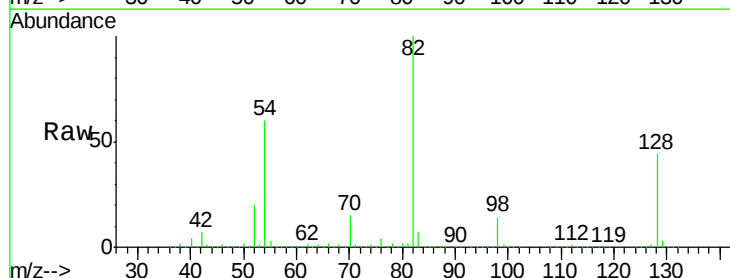
Tgt Ion: 82 Resp: 2018003

Ion Ratio Lower Upper

82 100

128 44.3 34.6 51.8

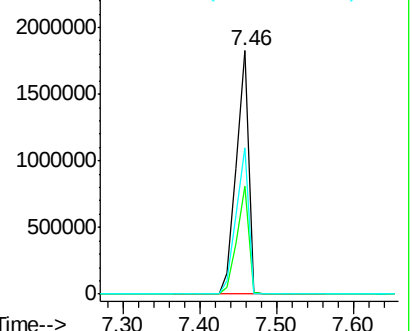
54 60.1 38.4 57.6#

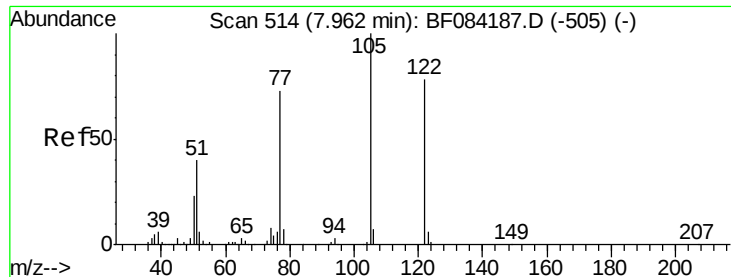


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.51 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

Instrument :

BNA_F

ClientSampleId :

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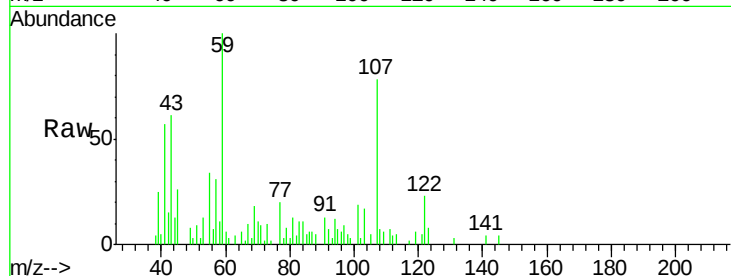
Tgt Ion:122 Resp: 3642

Ion Ratio Lower Upper

122 100

105 23.2 100.3 140.3#

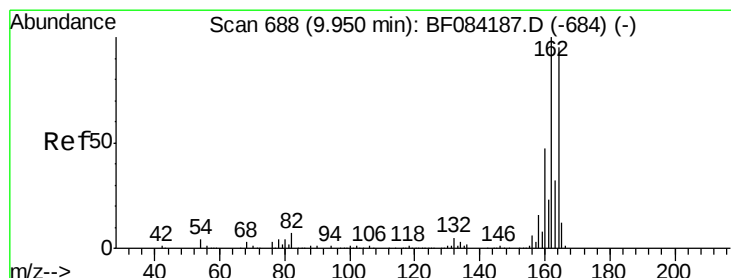
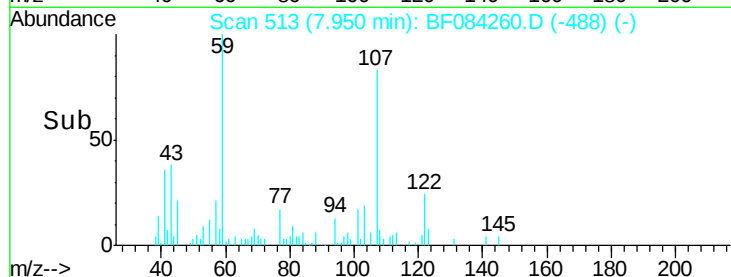
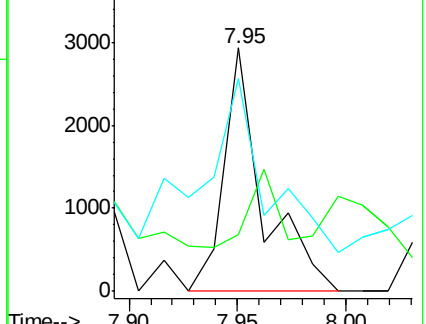
77 87.3 63.5 103.5



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: BF084260.D

Acq: 5 Jan 2016 2:45

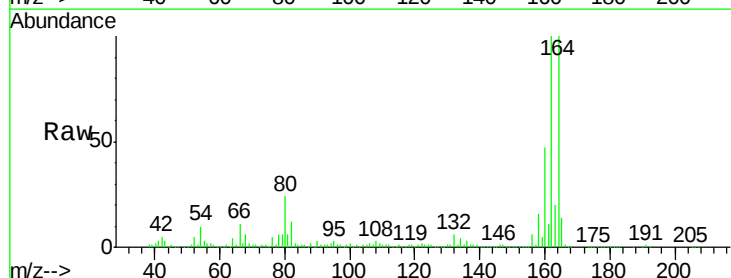
Tgt Ion:164 Resp: 488975

Ion Ratio Lower Upper

164 100

162 99.6 85.1 127.7

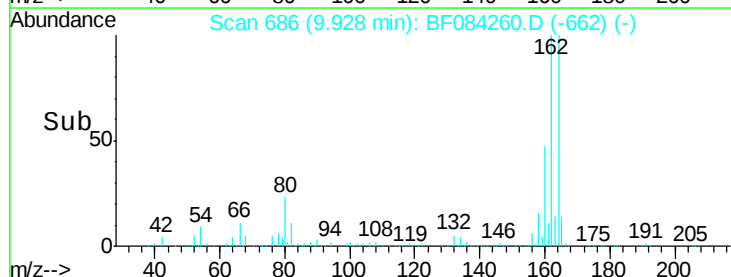
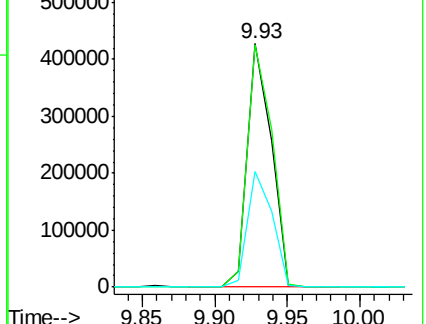
160 47.2 37.5 56.3

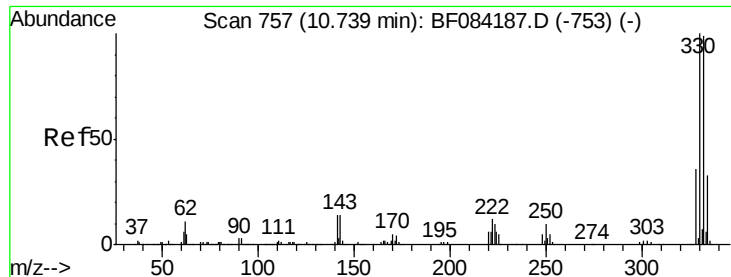


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

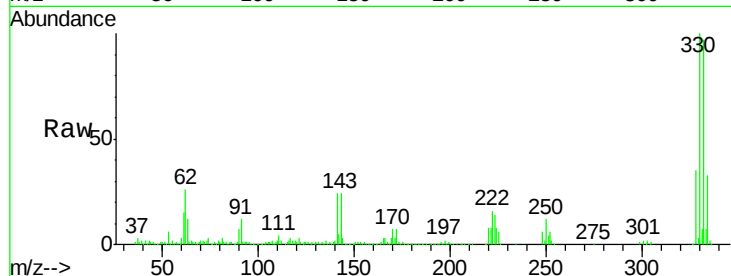




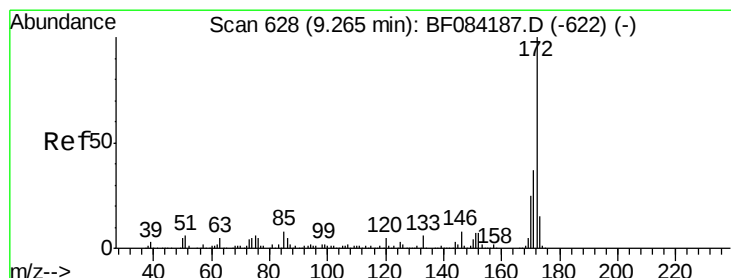
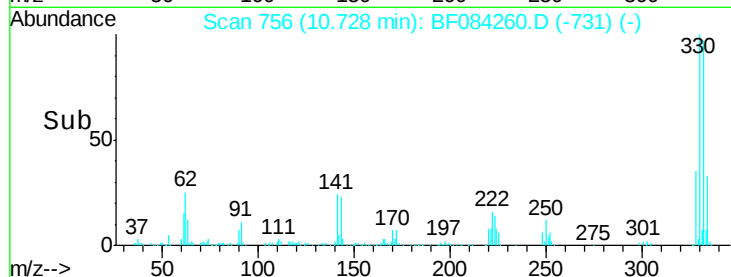
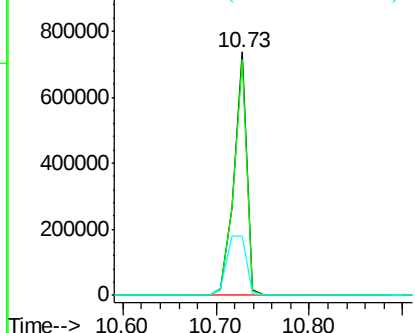
#41
 2,4,6-Tribromophenol
 Concen: 145.23 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084260.D
 Acq: 5 Jan 2016 2:45

Instrument :
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 ClientSampleId :
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Tgt Ion:330 Resp: 716940
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 114.8
 141 36.7 27.8 41.6

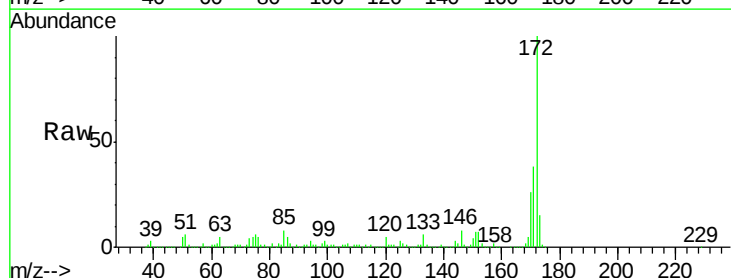


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

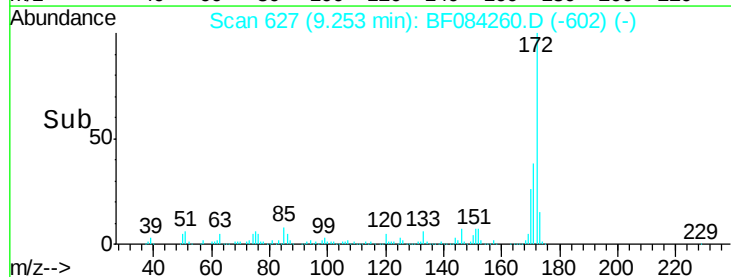
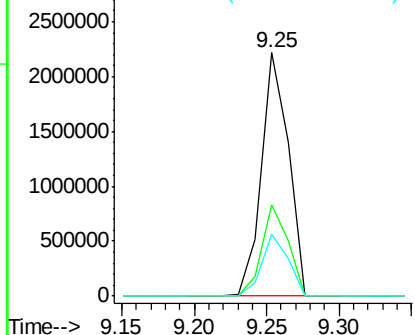


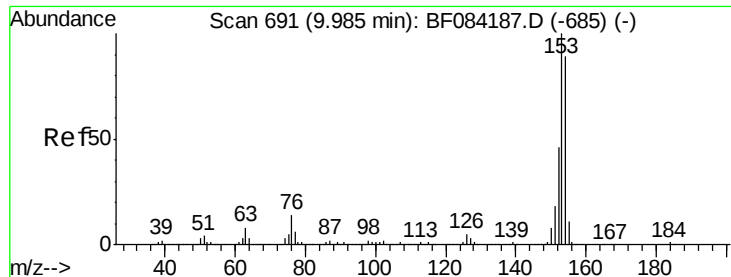
#44
 2-Fluorobiphenyl
 Concen: 104.46 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084260.D
 Acq: 5 Jan 2016 2:45

Tgt Ion:172 Resp: 2863219
 Ion Ratio Lower Upper
 172 100
 171 37.5 28.9 43.3
 170 25.5 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: 2.74 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

Instrument :

BNA_F

ClientSampleId :

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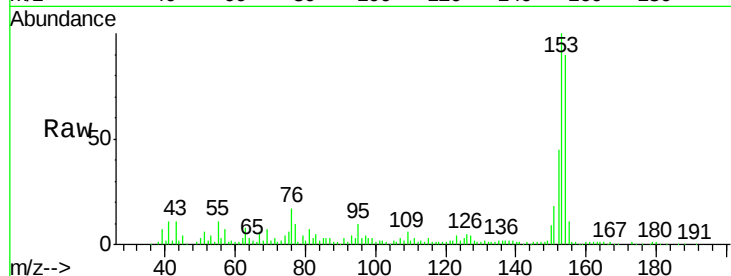
Tgt Ion:154 Resp: 82934

Ion Ratio Lower Upper

154 100

153 111.2 91.5 137.3

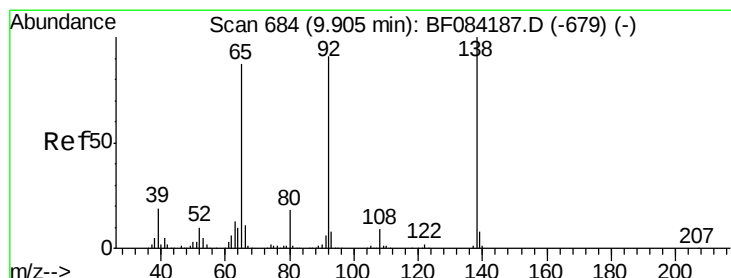
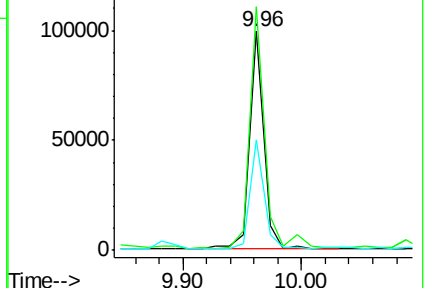
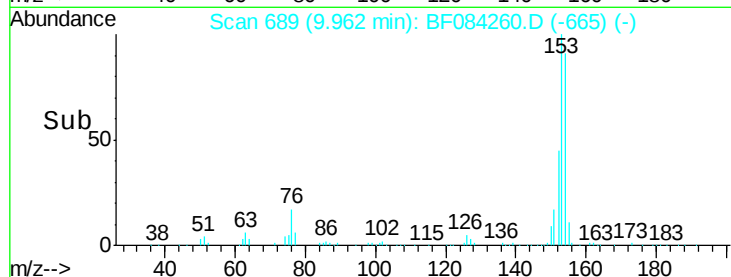
152 50.4 43.0 64.6



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



#52

3-Nitroaniline

Concen: 2.47 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.05 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

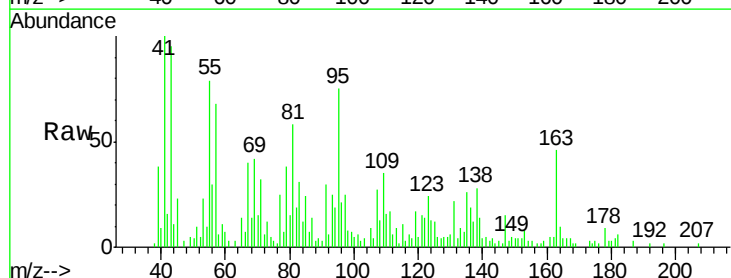
Tgt Ion:138 Resp: 23420

Ion Ratio Lower Upper

138 100

108 47.7 10.5 15.7#

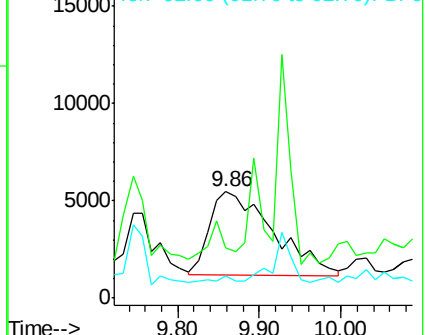
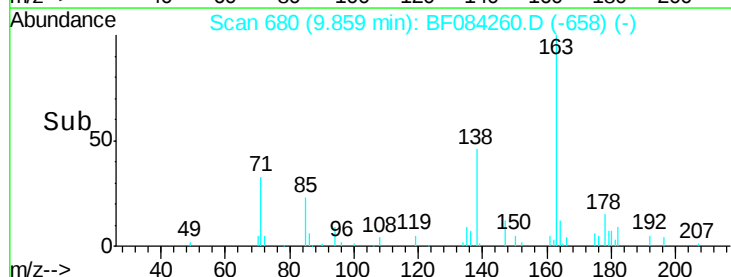
92 21.4 103.9 155.9#

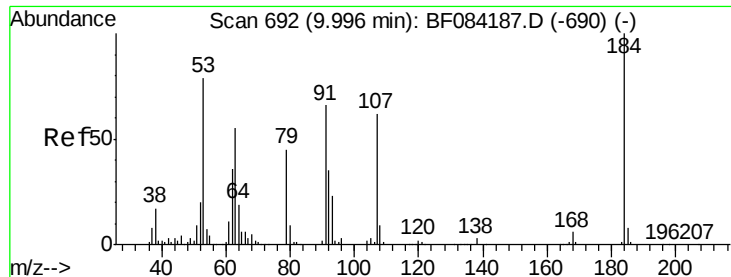


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

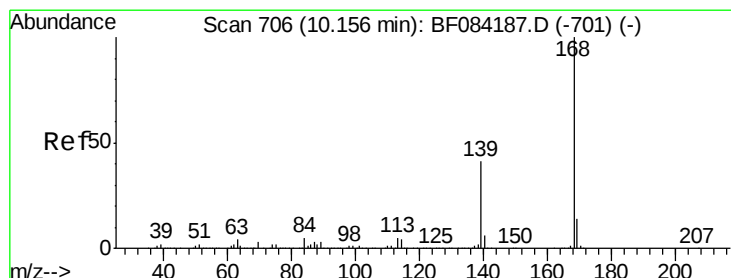
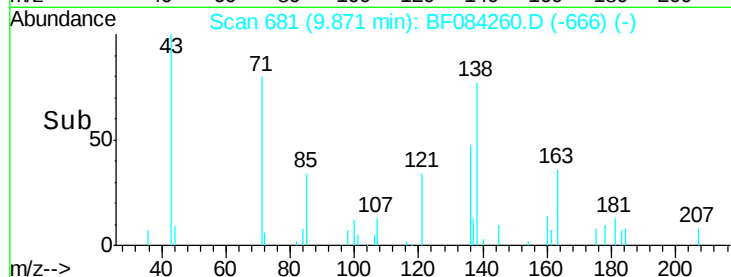
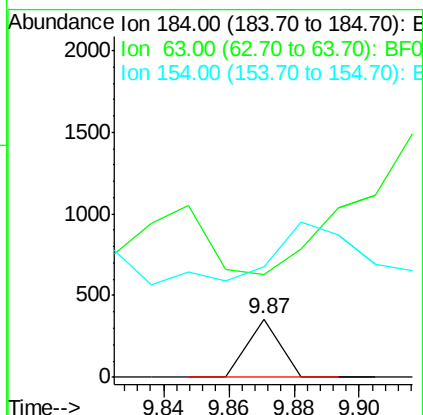
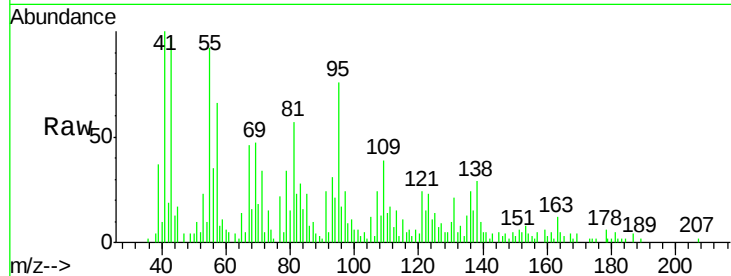




#53
2,4-Dinitrophenol
Concen: 3.63 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.13 min
Lab File: BF084260.D
Acq: 5 Jan 2016 2:45

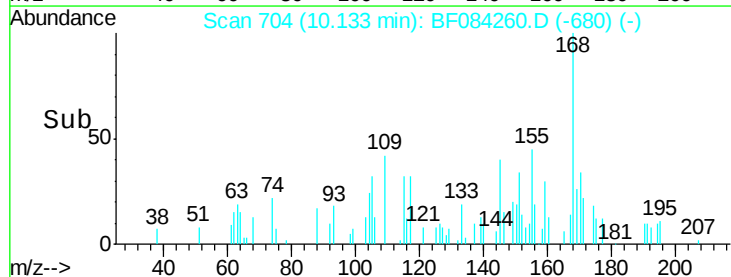
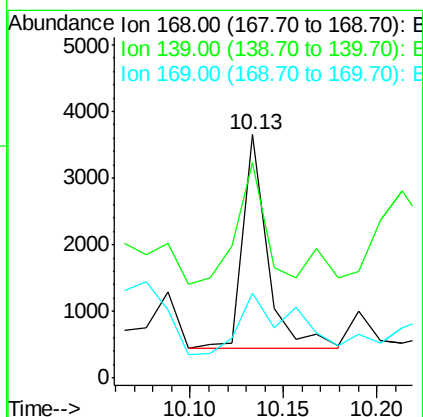
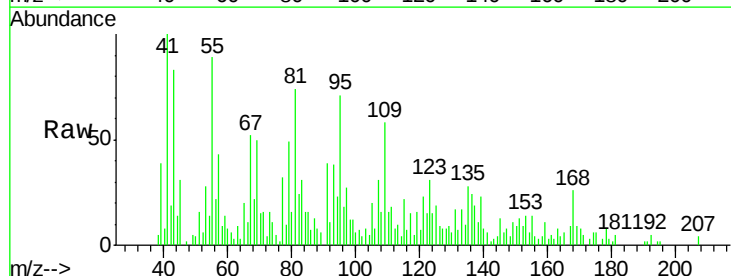
Instrument :
BNA_F
ClientSampleId :
W-29

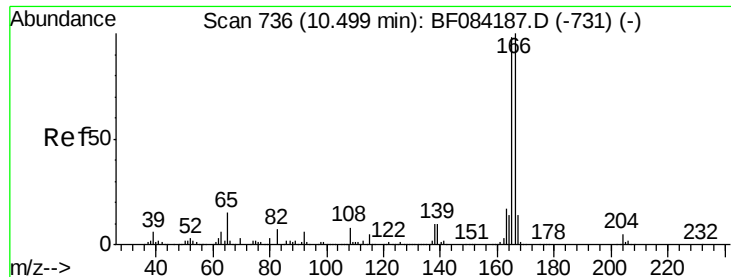
Tgt Ion:184 Resp: 245
Ion Ratio Lower Upper
184 100
63 175.7 43.1 64.7#
154 188.5 60.5 90.7#



#54
Dibenzofuran
Concen: Below Cal
RT: 10.13 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF084260.D
Acq: 5 Jan 2016 2:45

Tgt Ion:168 Resp: 2919
Ion Ratio Lower Upper
168 100
139 88.3 30.5 45.7#
169 35.0 10.4 15.6#





#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

Instrument :

BNA_F

ClientSampleId :

W-29

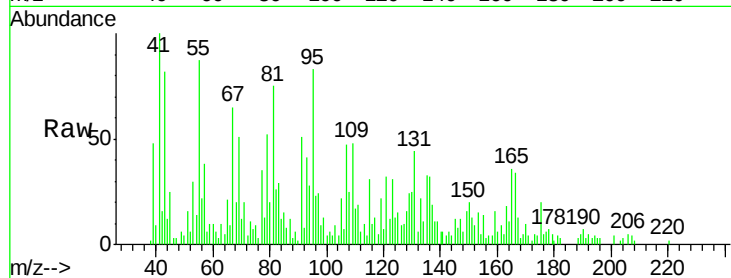
Tgt Ion:166 Resp: 4862

Ion Ratio Lower Upper

166 100

165 104.7 79.1 118.7

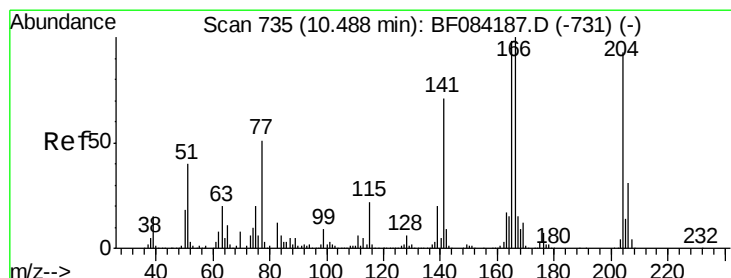
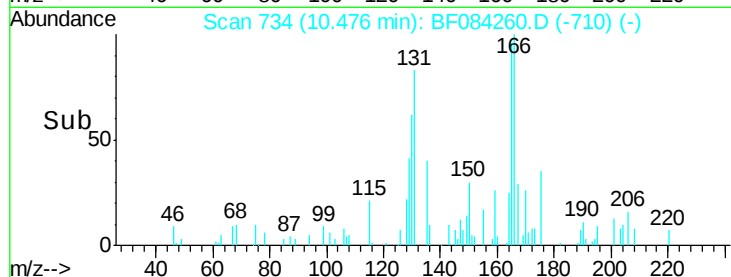
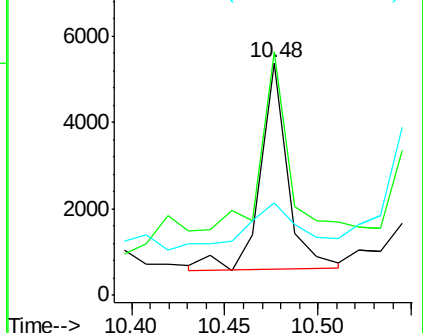
167 39.7 10.4 15.6#



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: 10.45 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

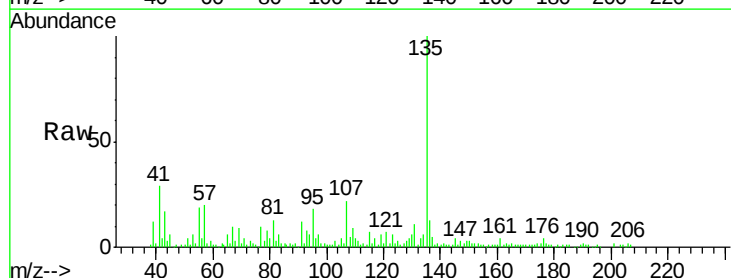
Tgt Ion:204 Resp: 1609

Ion Ratio Lower Upper

204 100

206 191.8 25.7 38.5#

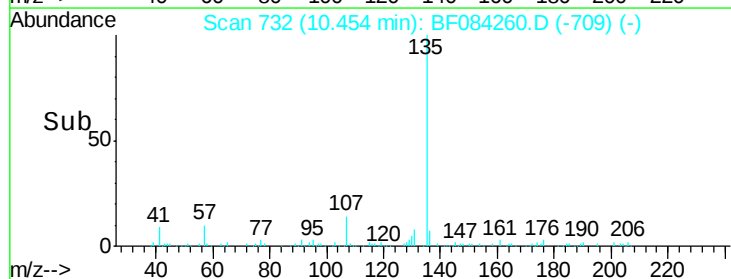
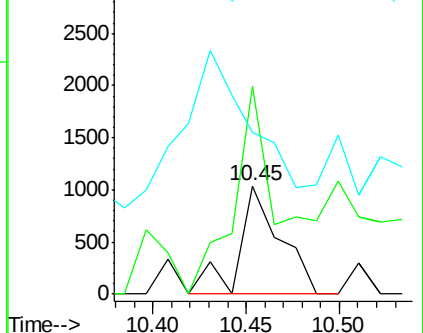
141 149.9 55.1 82.7#

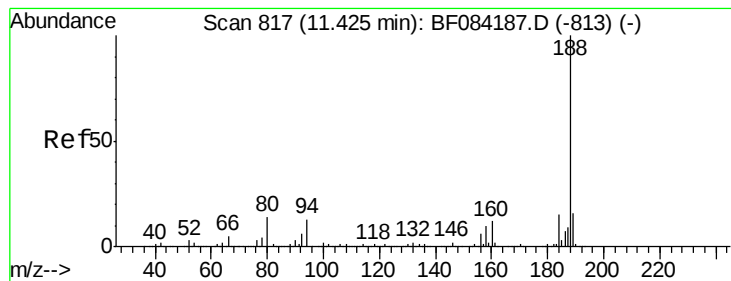


Abundance Ion 204.00 (203.70 to 204.70): E

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: BF084260.D

Acq: 5 Jan 2016 2:45

Instrument :

BNA_F

ClientSampleId :

W-29

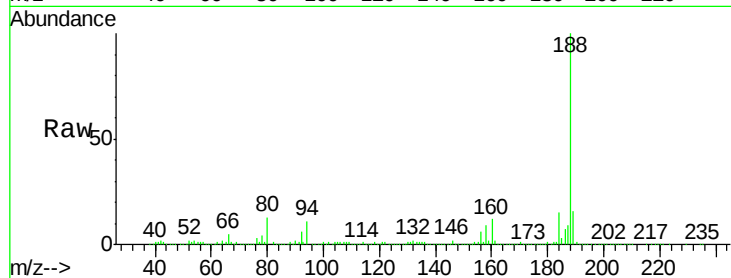
Tgt Ion:188 Resp: 818641

Ion Ratio Lower Upper

188 100

94 11.1 9.0 13.4

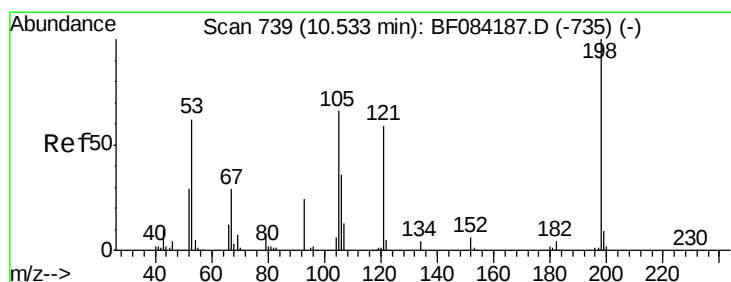
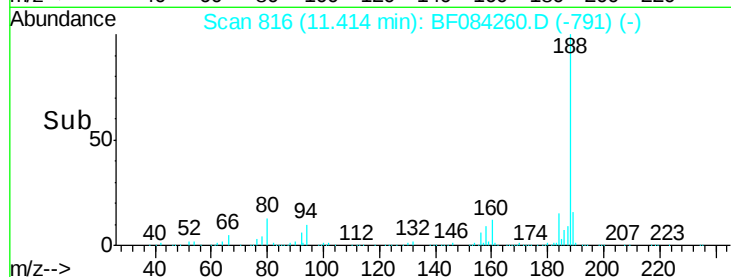
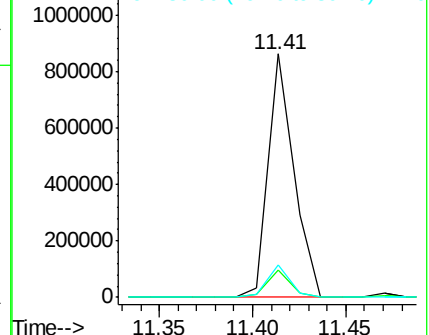
80 13.1 9.6 14.4



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: 6.48 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.02 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

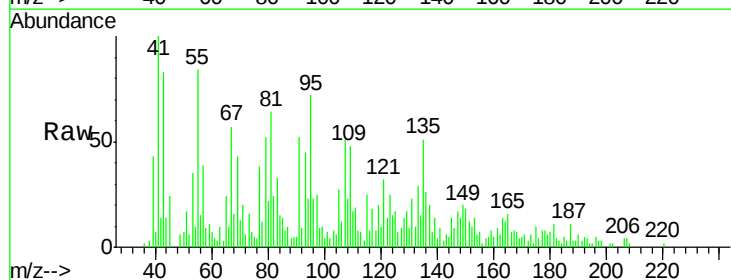
Tgt Ion:198 Resp: 362

Ion Ratio Lower Upper

198 100

51 499.6 18.9 58.9#

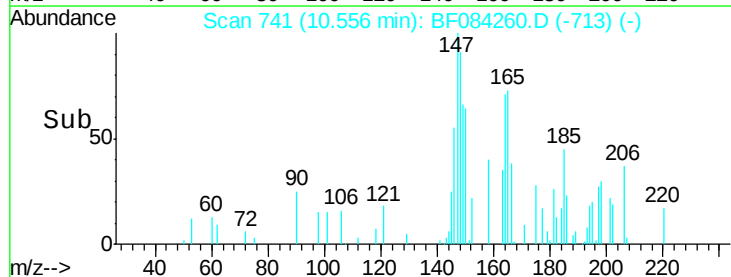
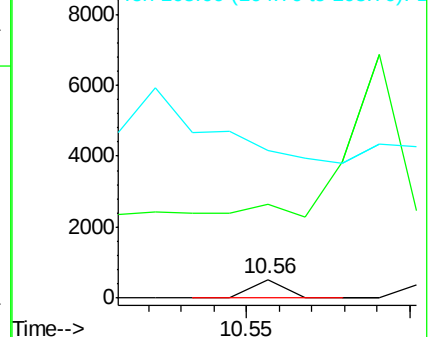
105 787.5 26.4 66.4#

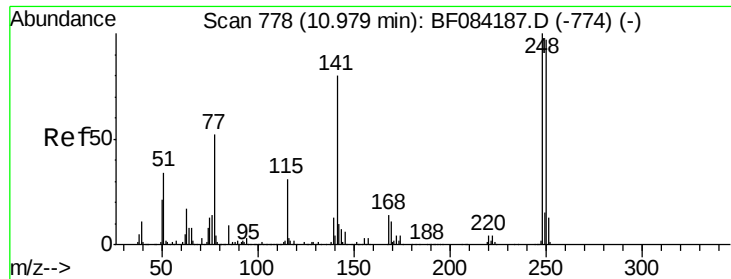


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

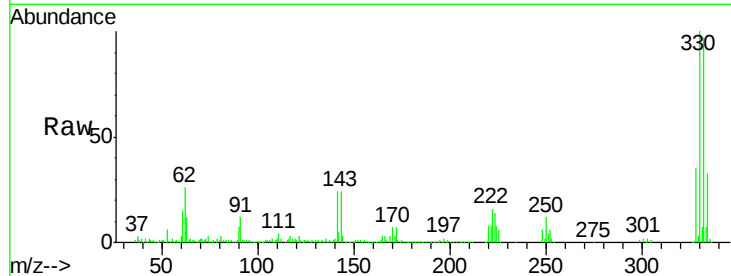




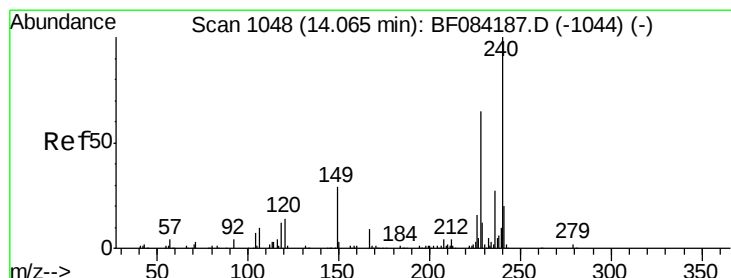
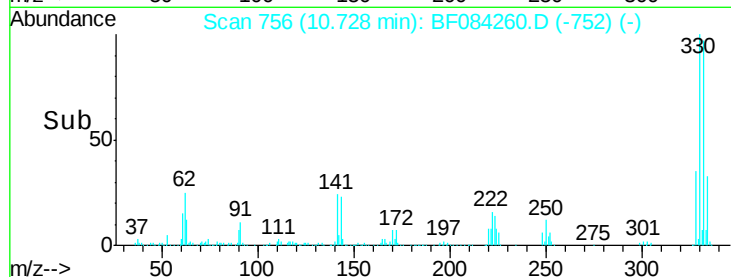
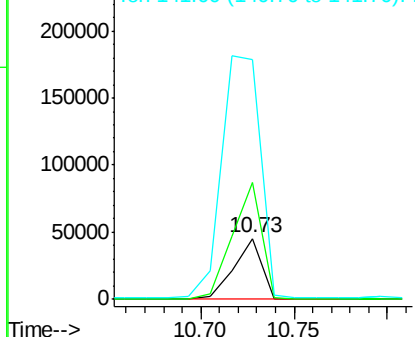
#66
 4-Bromophenyl-phenylether
 Concen: 5.39 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF084260.D
 Acq: 5 Jan 2016 2:45

Instrument :
 BNA_F
 ClientSampleId :
 W-29

Tgt Ion:248 Resp: 47512
 Ion Ratio Lower Upper
 248 100
 250 192.2 78.4 117.6#
 141 396.0 44.0 66.0#

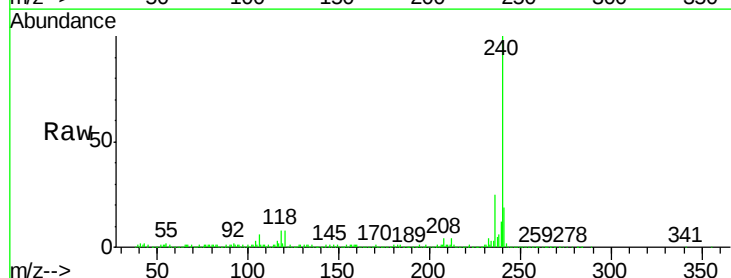


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

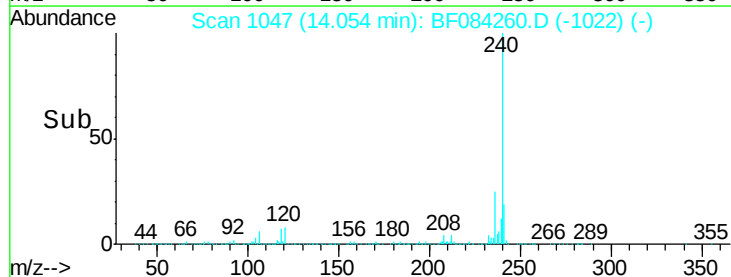
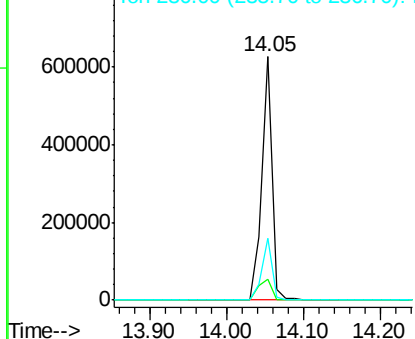


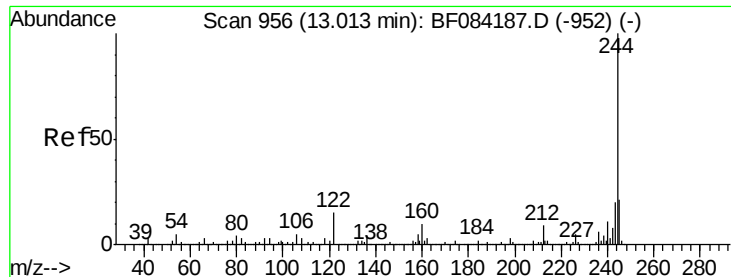
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF084260.D
 Acq: 5 Jan 2016 2:45

Tgt Ion:240 Resp: 568111
 Ion Ratio Lower Upper
 240 100
 120 8.5 9.5 14.3#
 236 25.4 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: 84.53 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

Instrument :

BNA_F

ClientSampleId :

W-29

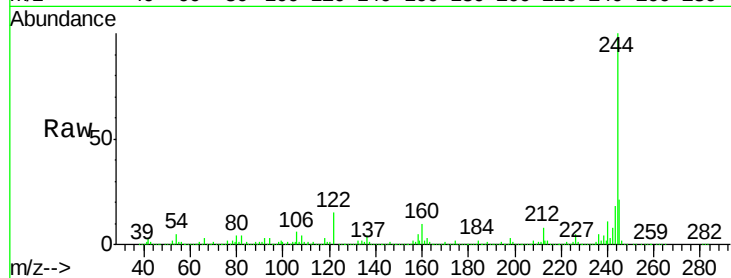
Tgt Ion:244 Resp: 2151256

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

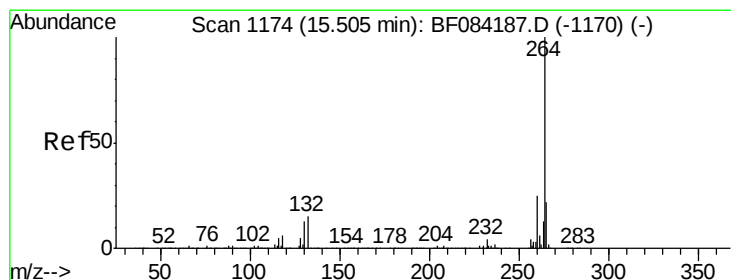
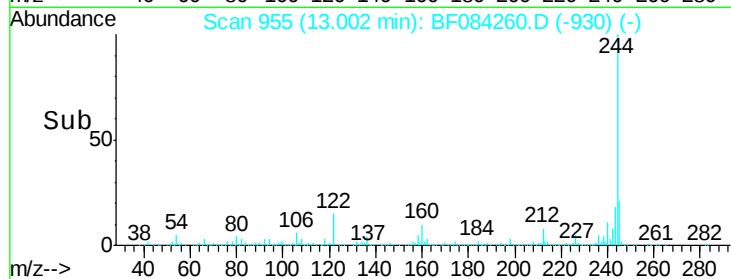
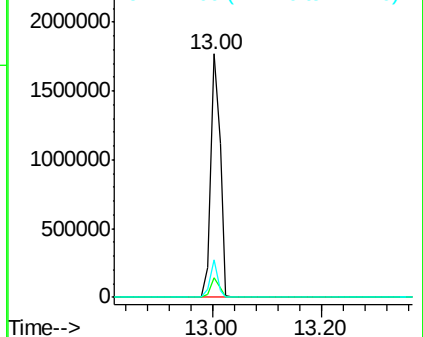
122 15.2 7.4 11.0#



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: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084260.D

Acq: 5 Jan 2016 2:45

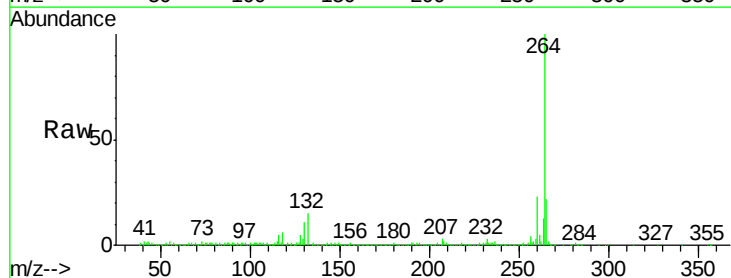
Tgt Ion:264 Resp: 529945

Ion Ratio Lower Upper

264 100

260 23.5 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

