

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084240.D
 Acq On : 4 Jan 2016 15:50
 Operator : UM/SJ
 Sample : G4981-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0529

Quant Time: Jan 05 05:47:33 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

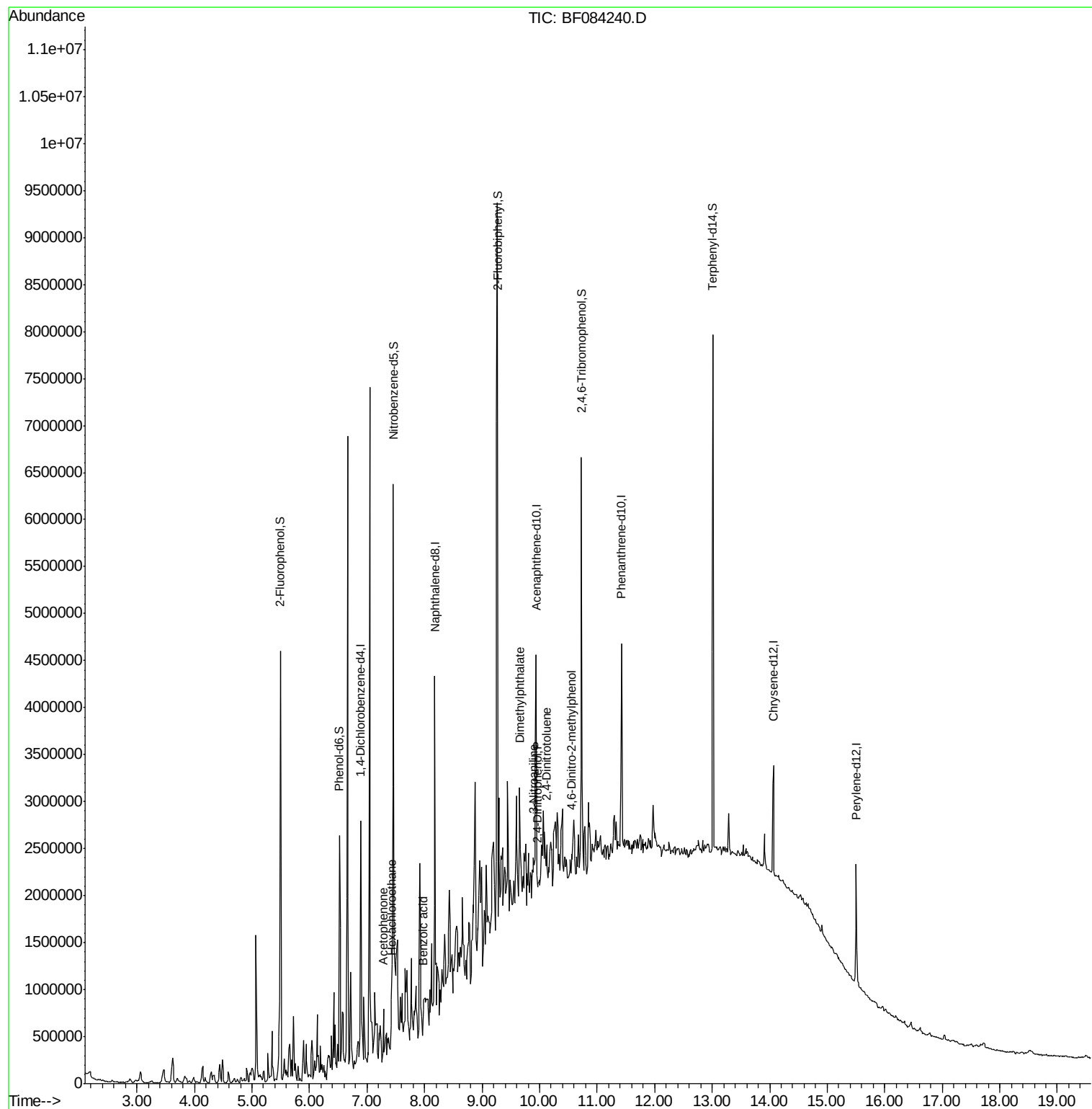
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	327158	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1293306	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	560284	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	840799	20.00	ng	0.00
75) Chrysene-d12	14.07	240	583326	20.00	ng	0.00
86) Perylene-d12	15.51	264	619073	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1125745	55.66	ng	0.00
7) Phenol-d6	6.52	99	989459	38.95	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1936461	83.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	553497	97.85	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	3043080	96.39	ng	0.00
78) Terphenyl-d14	13.01	244	1823689	69.79	ng	0.00
Target Compounds						
18) Hexachloroethane	7.42	117	64061	6.75	ng	# 46
22) Acetophenone	7.29	105	107131	3.44	ng	# 58
32) Benzoic acid	7.97	122	22311	7.64	ng	# 39
49) Dimethylphthalate	9.65	163	297267	7.42	ng	# 89
52) 3-Nitroaniline	9.89	138	31630	2.91	ng	# 3
53) 2,4-Dinitrophenol	9.96	184	1475	3.93	ng	# 1
54) Dibenzofuran	10.13	168	6123	Below Cal	#	1
56) 2,4-Dinitrotoluene	10.12	165	29802	2.68	ng	# 45
57) Fluorene	10.48	166	5752	Below Cal	#	21
60) 4-Chlorophenyl-phenylether	10.46	204	2720	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.56	198	3043	6.86	ng	# 1
73) Di-n-butylphthalate	12.00	149	29209	Below Cal	#	46

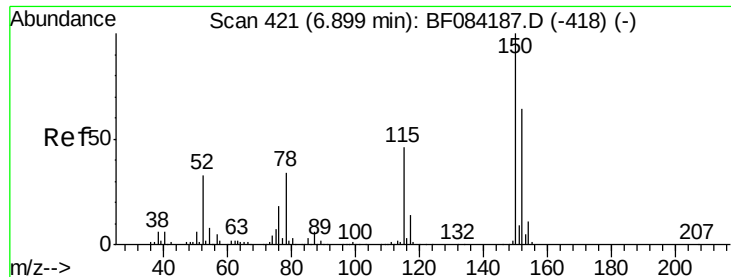
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084240.D

Acq: 4 Jan 2016 15:50

Instrument :

BNA_F

ClientSampleId :

S8-0529

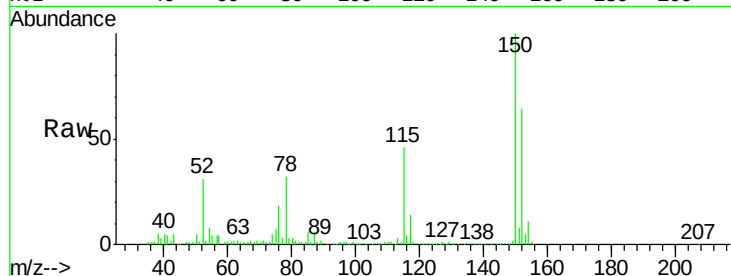
Tgt Ion:152 Resp: 327158

Ion Ratio Lower Upper

152 100

150 156.0 123.0 184.4

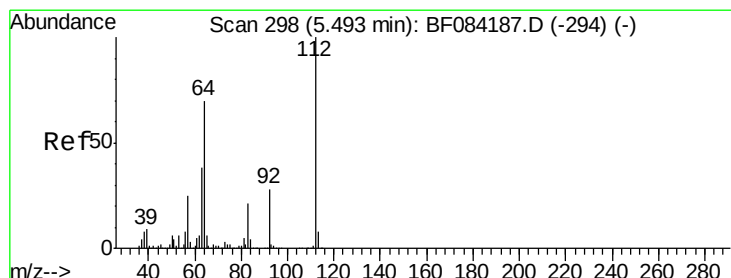
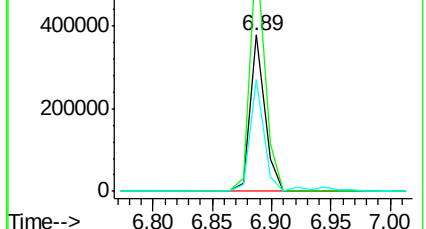
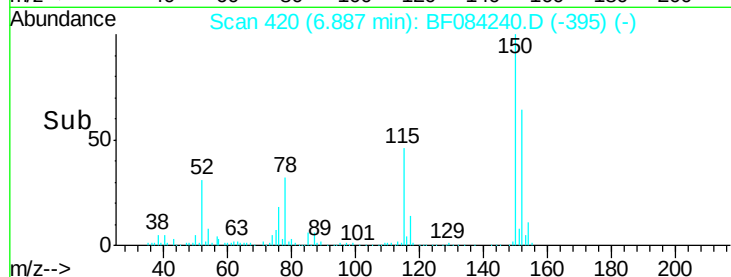
115 71.5 51.4 77.2



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: 55.66 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.00 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

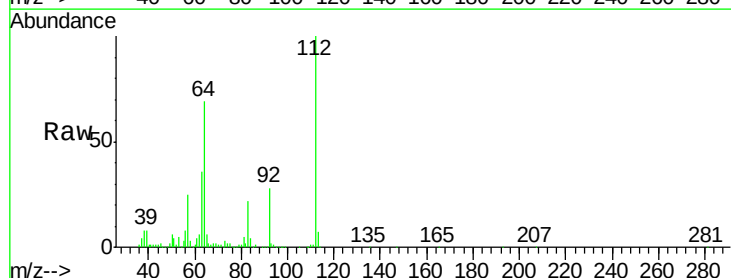
Tgt Ion:112 Resp: 1125745

Ion Ratio Lower Upper

112 100

64 69.2 36.6 55.0#

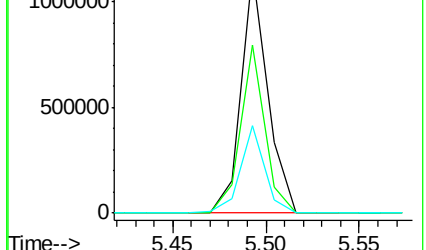
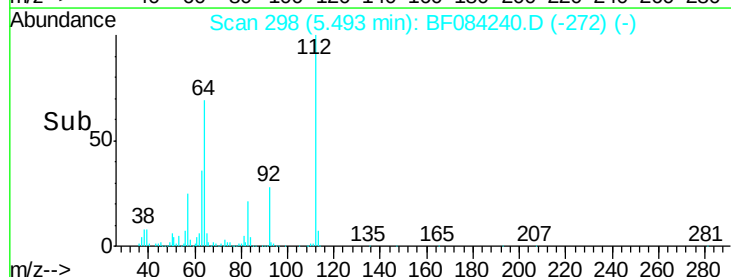
63 36.2 19.4 29.0#

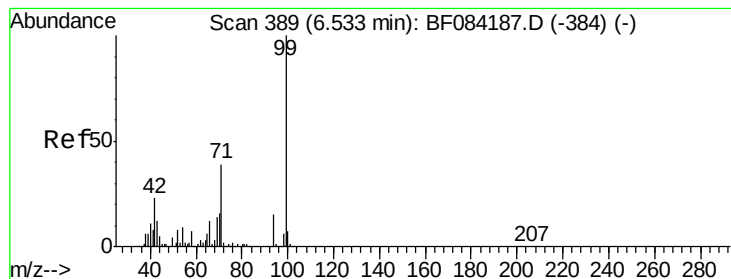


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.95 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Instrument :

BNA_F

ClientSampleId :

S8-0529

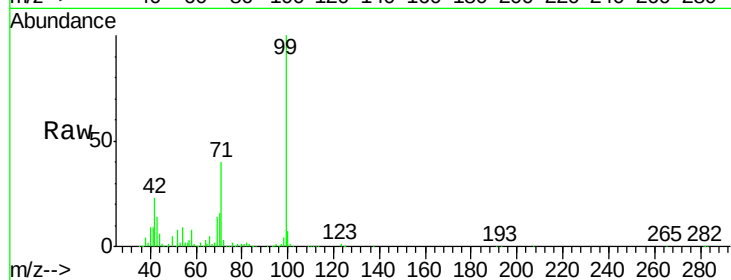
Tgt Ion: 99 Resp: 989459

Ion Ratio Lower Upper

99 100

42 23.1 12.8 19.2#

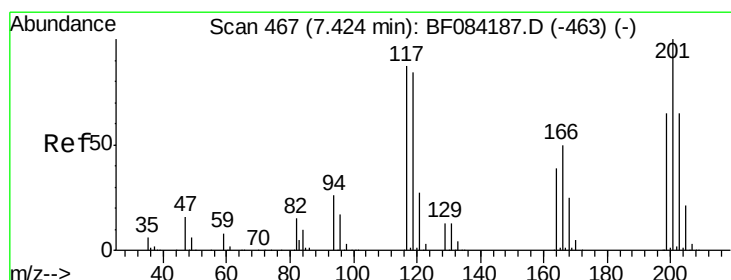
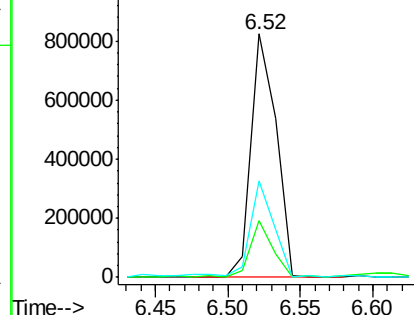
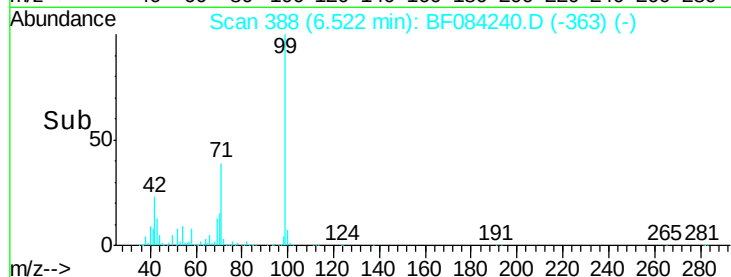
71 39.5 30.9 46.3



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



#18

Hexachloroethane

Concen: 6.75 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.00 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

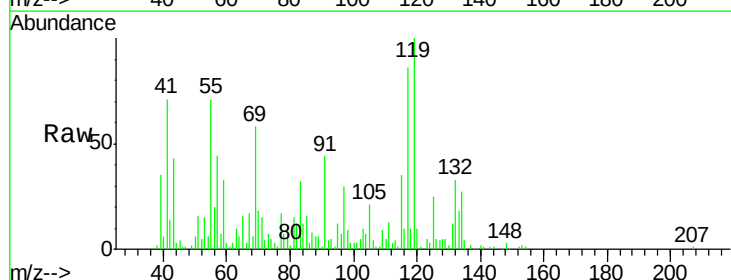
Tgt Ion: 117 Resp: 64061

Ion Ratio Lower Upper

117 100

119 115.9 77.4 116.0

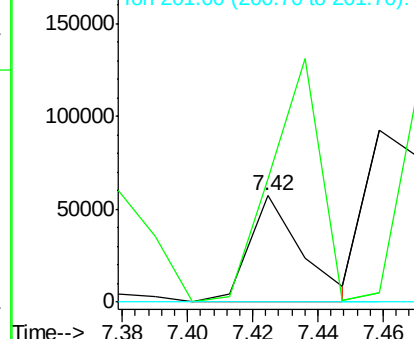
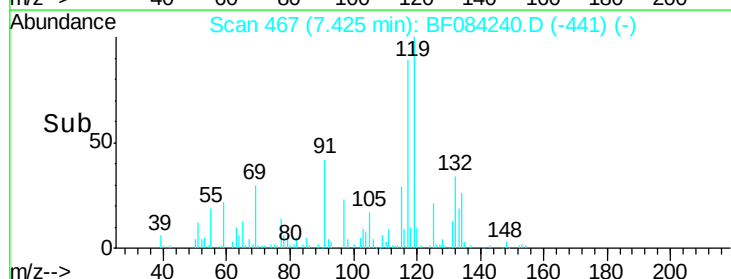
201 0.0 68.6 103.0#

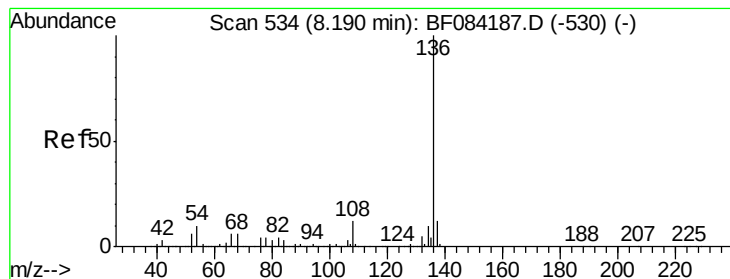


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Instrument :

BNA_F

ClientSampleId :

S8-0529

Tgt Ion:136 Resp: 1293306

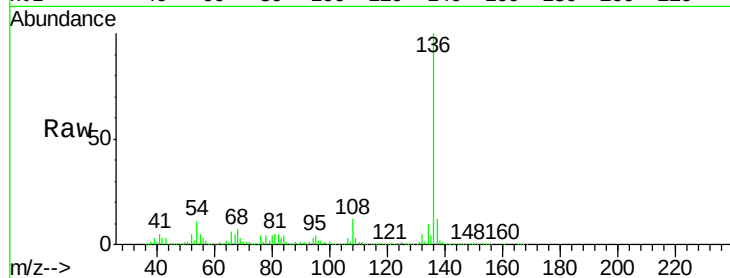
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 10.6 5.8 8.8#

68 6.8 4.2 6.2#

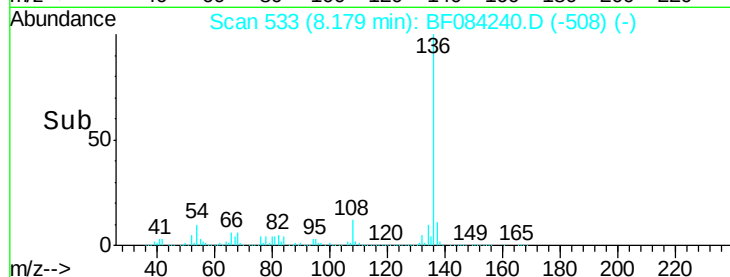


Abundance Ion 136.00 (135.70 to 136.70): E

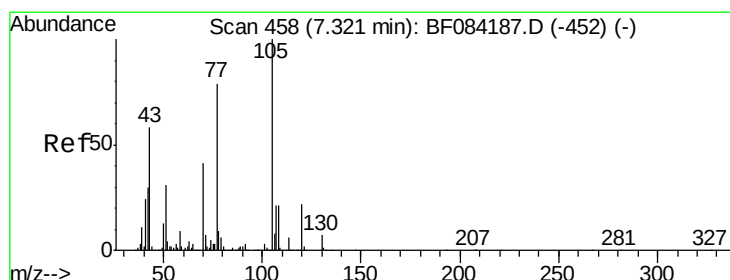
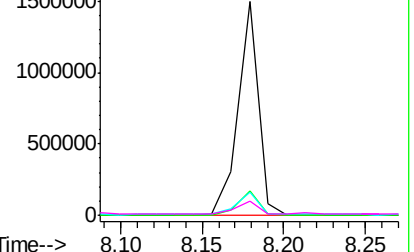
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 3.44 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.03 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Tgt Ion:105 Resp: 107131

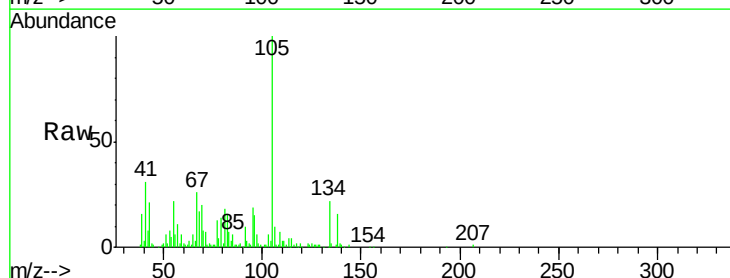
Ion Ratio Lower Upper

105 100

71 7.1 3.7 5.5#

51 6.3 25.1 37.7#

120 0.3 16.6 25.0#

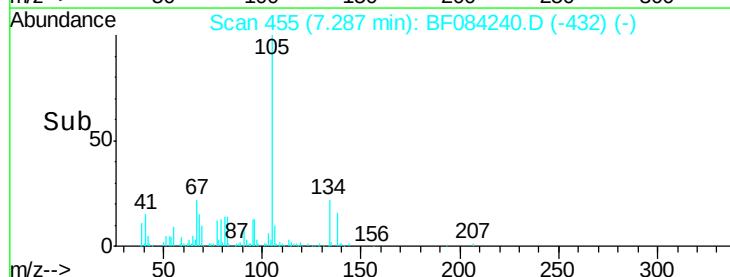


Abundance Ion 105.00 (104.70 to 105.70): E

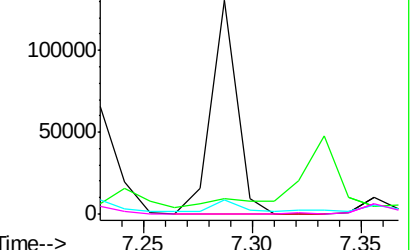
Ion 71.00 (70.70 to 71.70): BF0

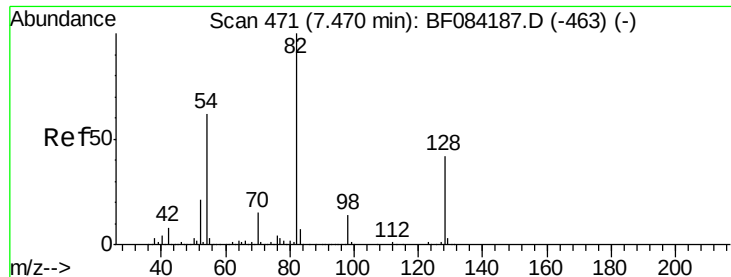
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->





#23

Nitrobenzene-d5

Concen: 83.33 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Instrument :

BNA_F

ClientSampleId :

S8-0529

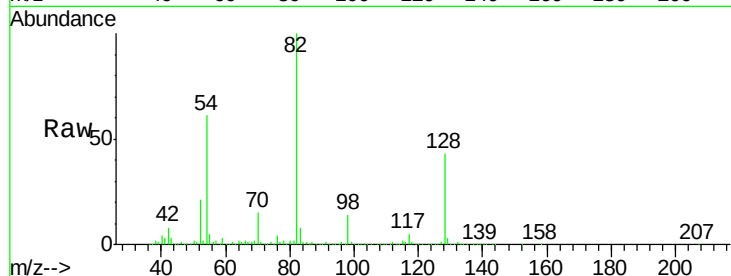
Tgt Ion: 82 Resp: 1936461

Ion Ratio Lower Upper

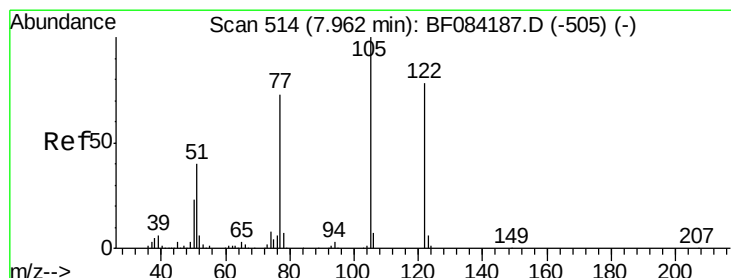
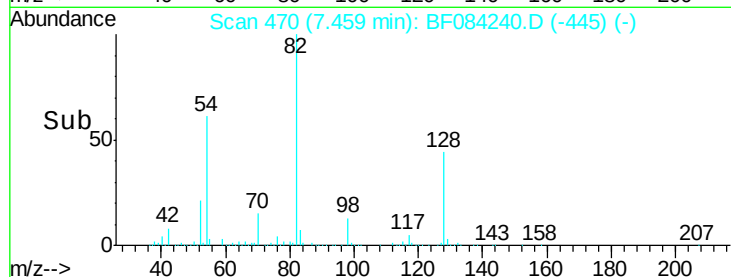
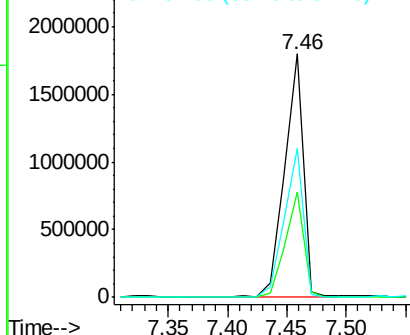
82 100

128 43.4 34.6 51.8

54 61.4 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: 7.64 ng

RT: 7.97 min Scan# 515

Delta R.T. 0.01 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

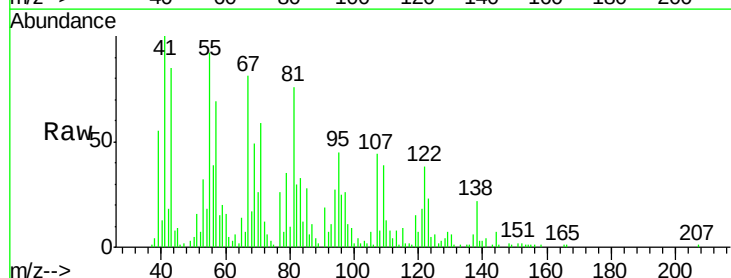
Tgt Ion: 122 Resp: 22311

Ion Ratio Lower Upper

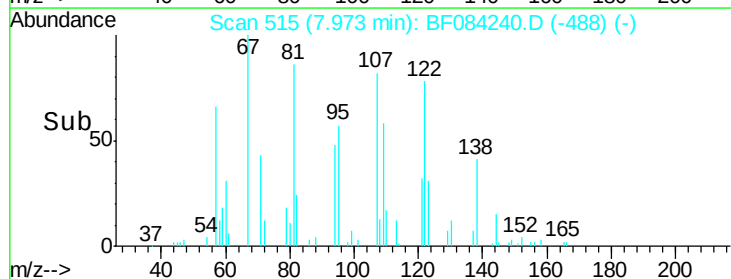
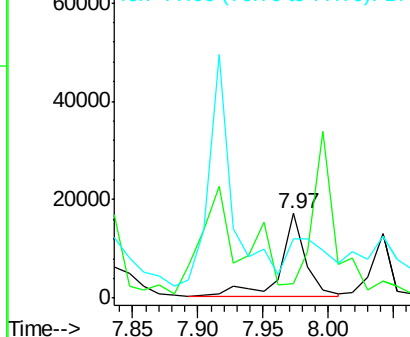
122 100

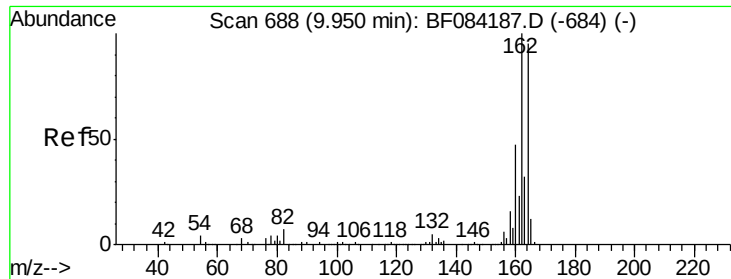
105 17.7 100.3 140.3#

77 69.5 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: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Instrument :

BNA_F

ClientSampleId :

S8-0529

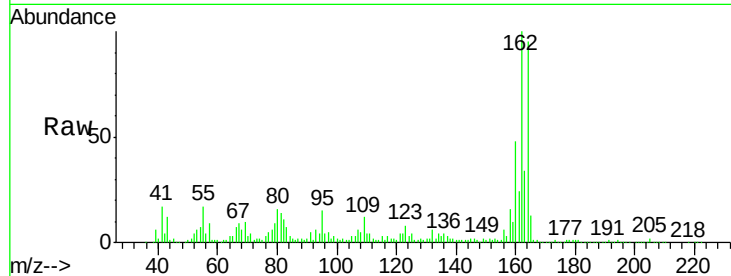
Tgt Ion:164 Resp: 560284

Ion Ratio Lower Upper

164 100

162 105.3 85.1 127.7

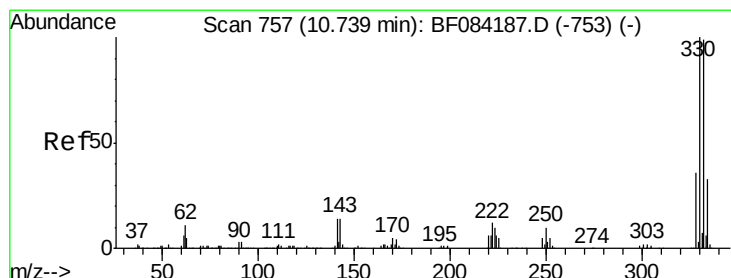
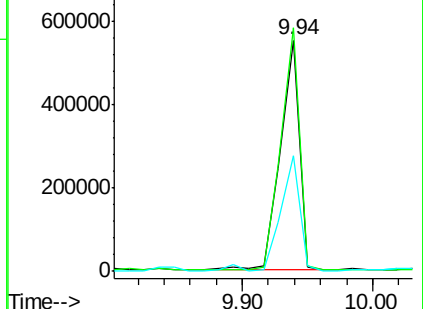
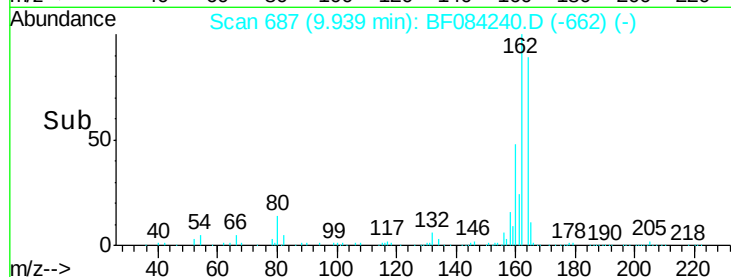
160 50.1 37.5 56.3



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: 97.85 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

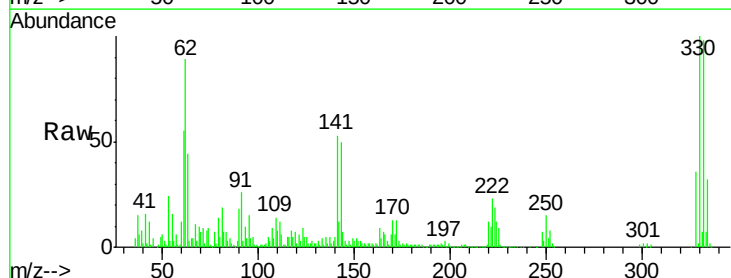
Tgt Ion:330 Resp: 553497

Ion Ratio Lower Upper

330 100

332 98.4 76.6 114.8

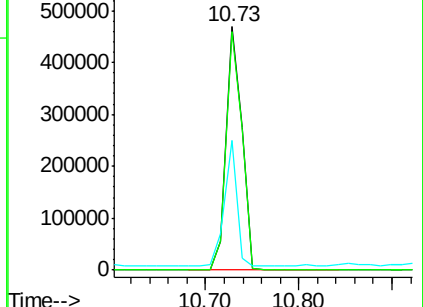
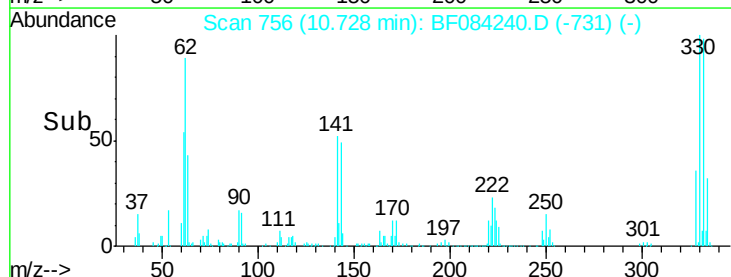
141 41.0 27.8 41.6

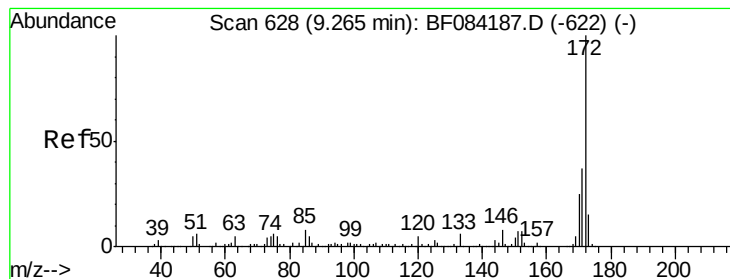


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 96.39 ng

RT: 9.26 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Instrument :

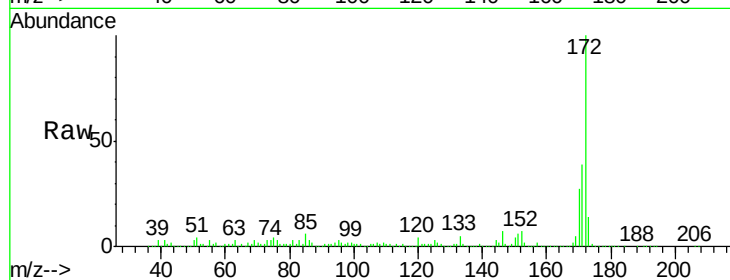
BNA_F

ClientSampleId :

S8-0529

Tgt Ion:172 Resp: 3043080

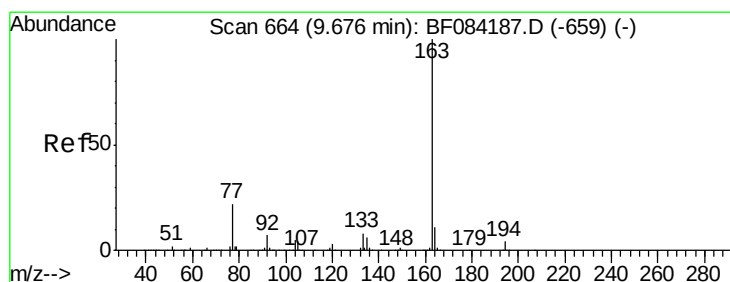
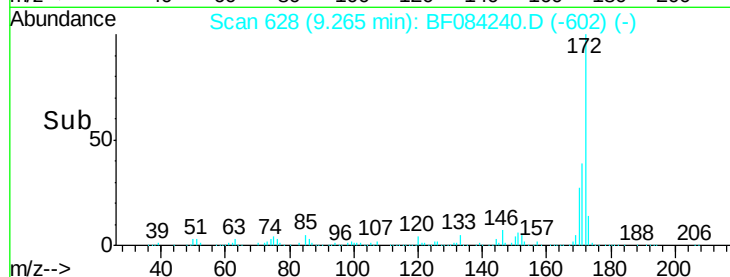
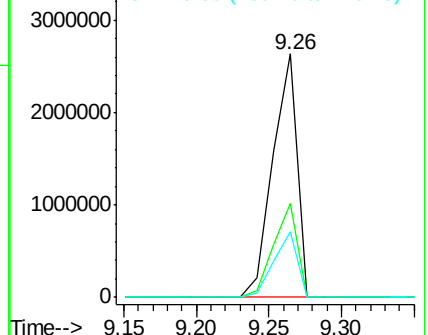
Ion	Ratio	Lower	Upper
172	100		
171	38.7	28.9	43.3
170	26.8	18.6	27.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 7.42 ng

RT: 9.65 min Scan# 662

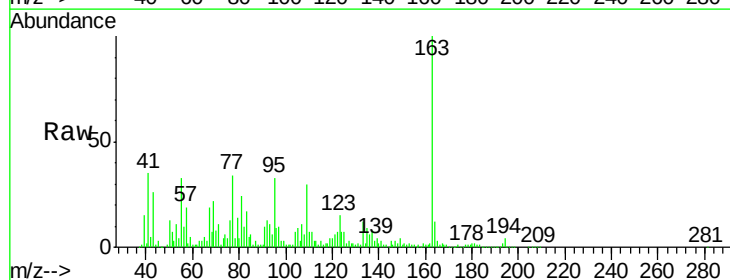
Delta R.T. -0.02 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Tgt Ion:163 Resp: 297267

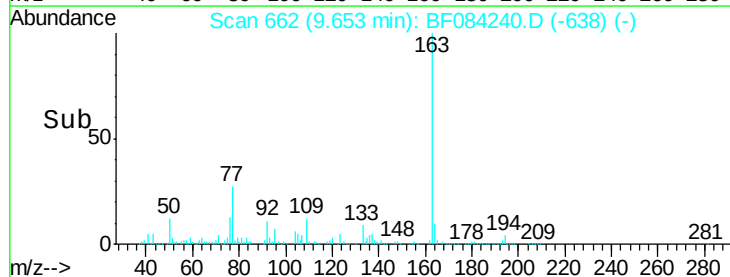
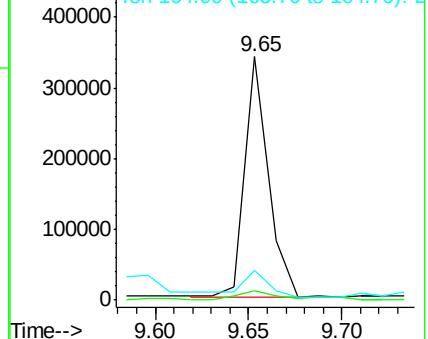
Ion	Ratio	Lower	Upper
163	100		
194	3.9	8.0	12.0#
164	12.0	8.0	12.0#

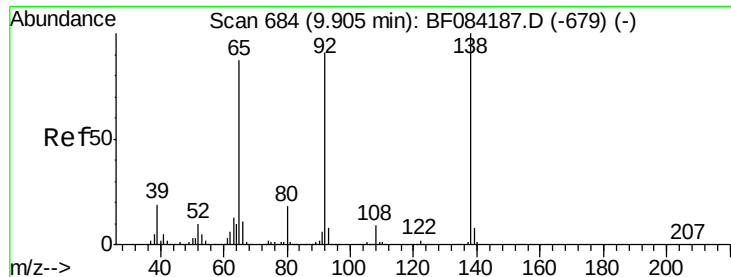


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

3-Nitroaniline

Concen: 2.91 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Instrument :

BNA_F

ClientSampleId :

S8-0529

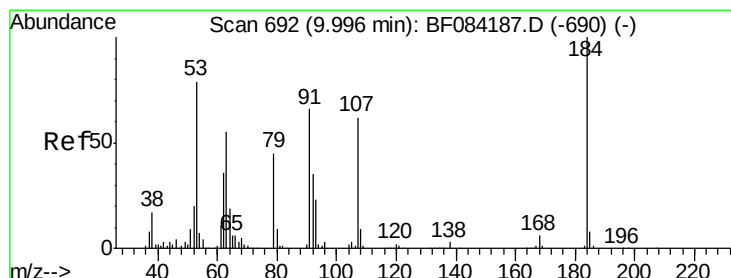
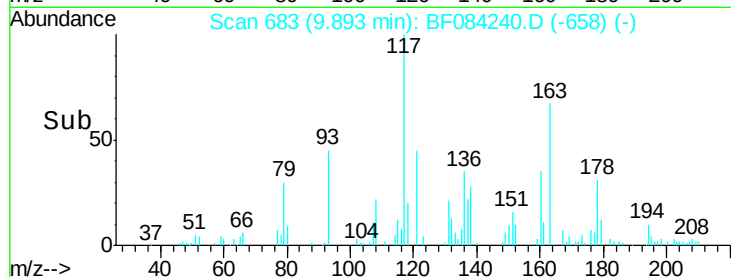
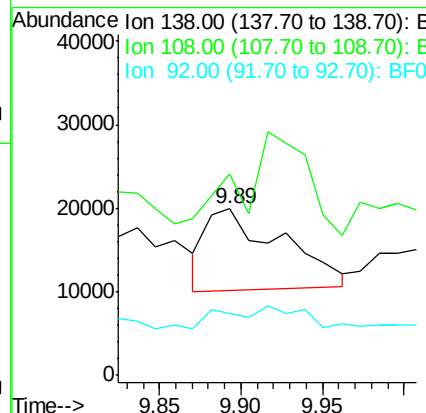
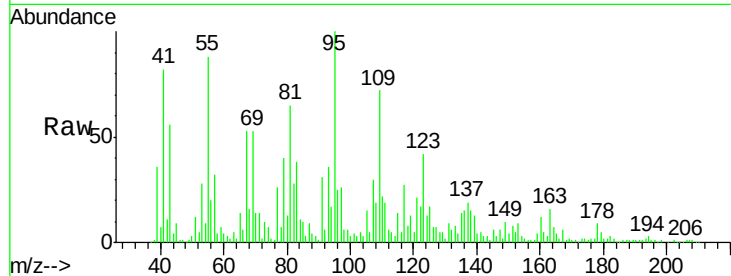
Tgt Ion:138 Resp: 31630

Ion Ratio Lower Upper

138 100

108 121.1 10.5 15.7#

92 36.9 103.9 155.9#



#53

2,4-Dinitrophenol

Concen: 3.93 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.03 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

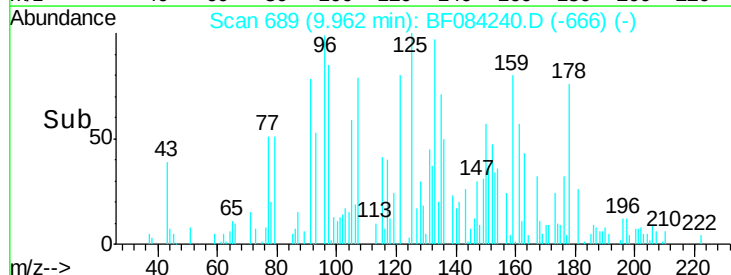
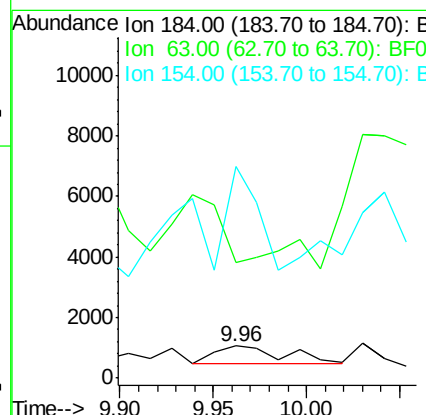
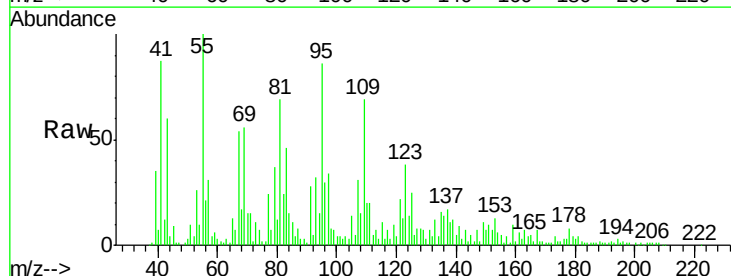
Tgt Ion:184 Resp: 1475

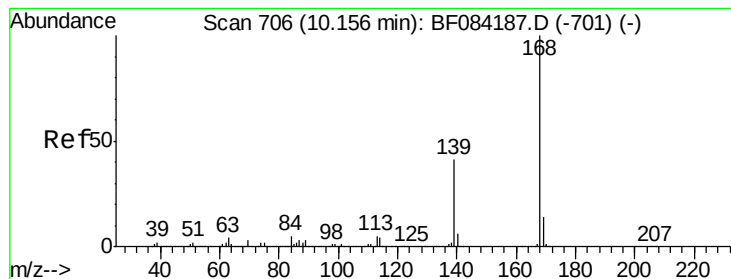
Ion Ratio Lower Upper

184 100

63 361.0 43.1 64.7#

154 663.8 60.5 90.7#





#54

Dibenzofuran

Concen: Below Cal

RT: 10.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Instrument :

BNA_F

ClientSampled :

S8-0529

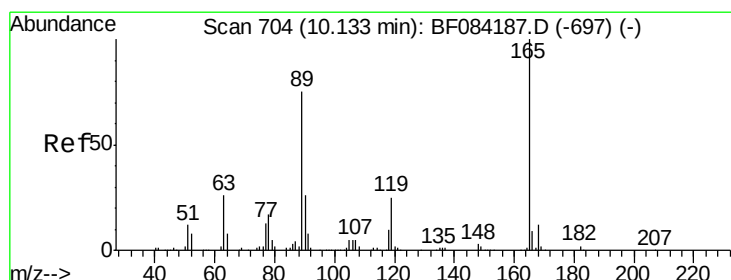
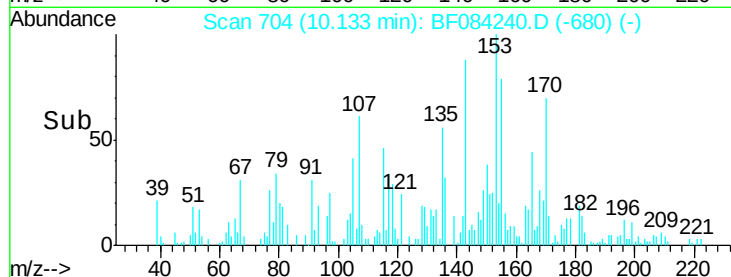
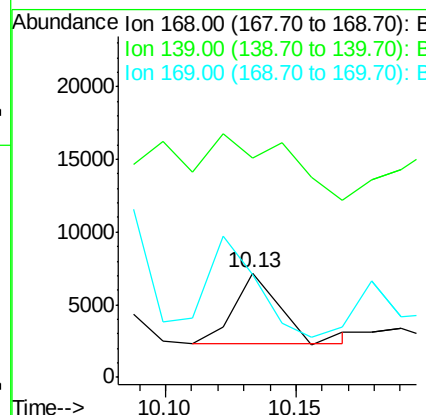
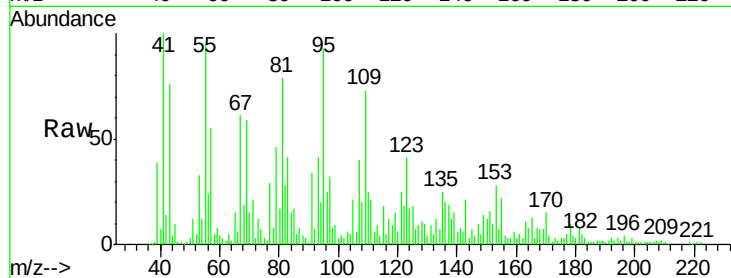
Tgt Ion:168 Resp: 6123

Ion Ratio Lower Upper

168 100

139 210.8 30.5 45.7#

169 98.4 10.4 15.6#



#56

2,4-Dinitrotoluene

Concen: 2.68 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Tgt Ion:165 Resp: 29802

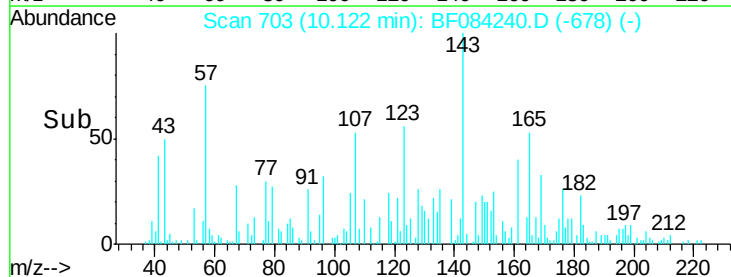
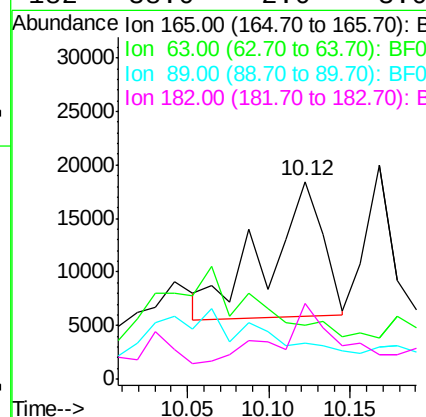
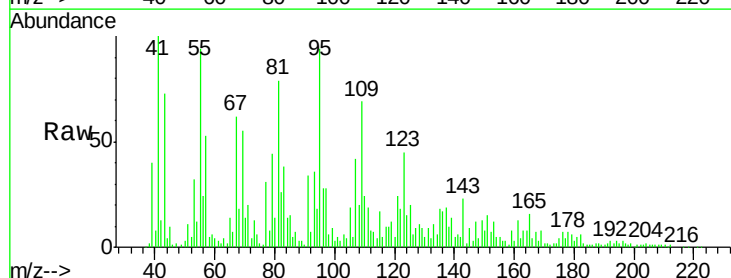
Ion Ratio Lower Upper

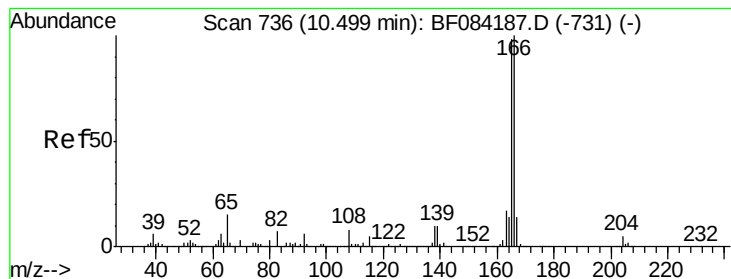
165 100

63 27.5 36.7 55.1#

89 17.9 61.9 92.9#

182 38.0 2.0 3.0#





#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Instrument :

BNA_F

ClientSampleId :

S8-0529

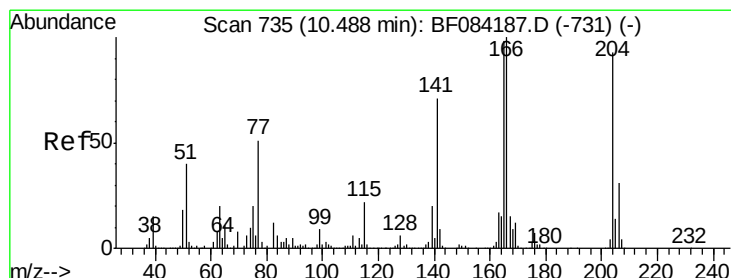
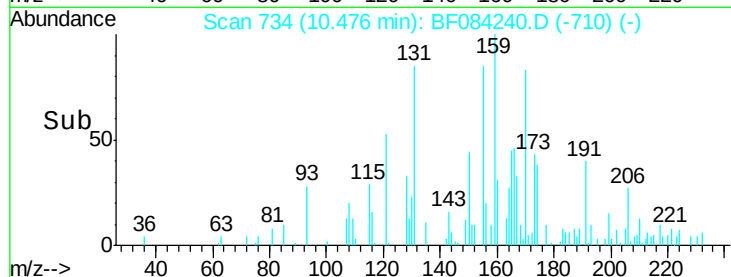
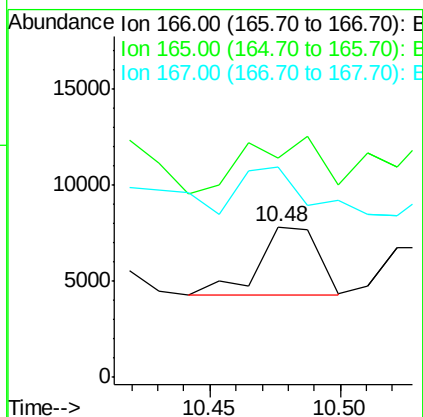
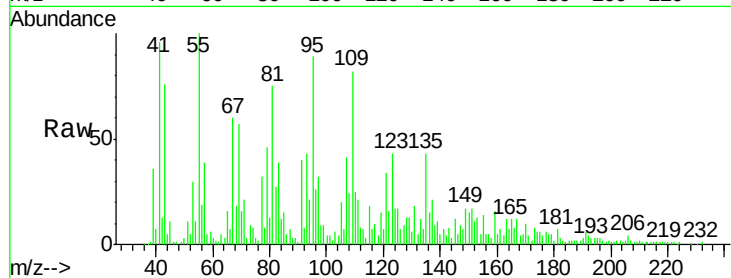
Tgt Ion:166 Resp: 5752

Ion Ratio Lower Upper

166 100

165 145.7 79.1 118.7#

167 140.3 10.4 15.6#



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.46 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

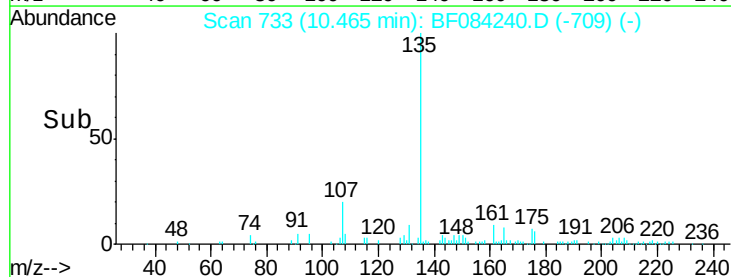
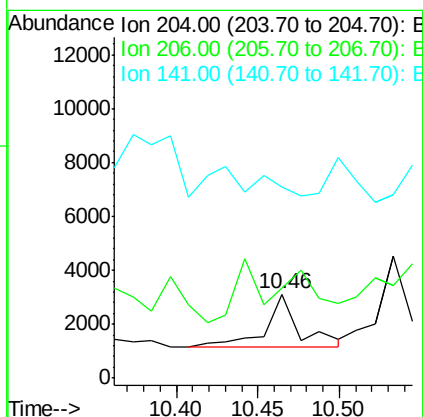
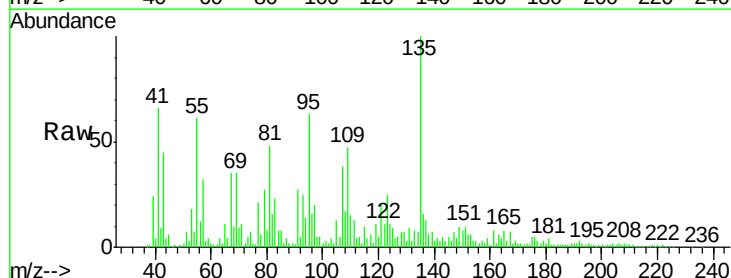
Tgt Ion:204 Resp: 2720

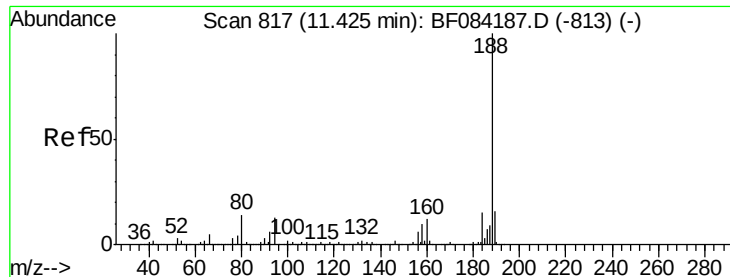
Ion Ratio Lower Upper

204 100

206 107.4 25.7 38.5#

141 228.0 55.1 82.7#

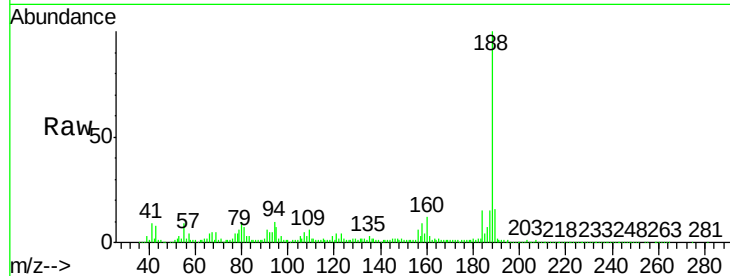




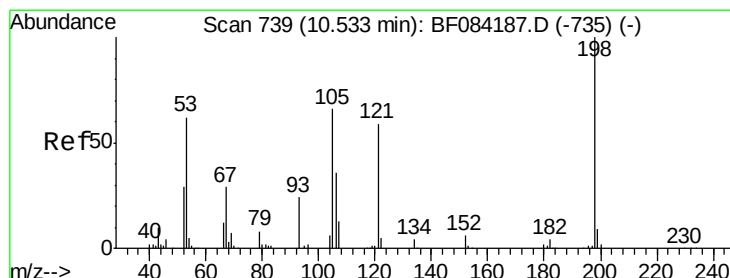
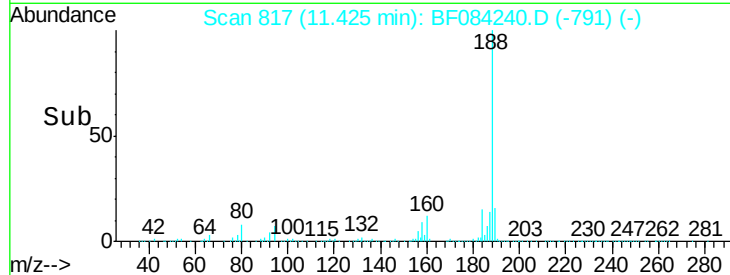
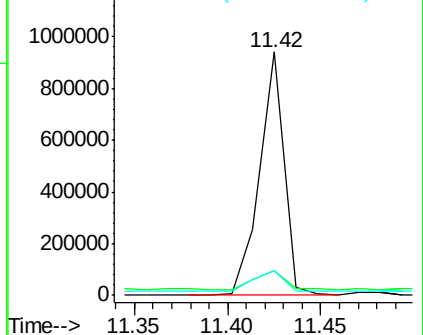
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF084240.D
Acq: 4 Jan 2016 15:50

Instrument :
BNA_F
ClientSampleId :
S8-0529

Tgt Ion:188 Resp: 840799
Ion Ratio Lower Upper
188 100
94 10.0 9.0 13.4
80 10.1 9.6 14.4

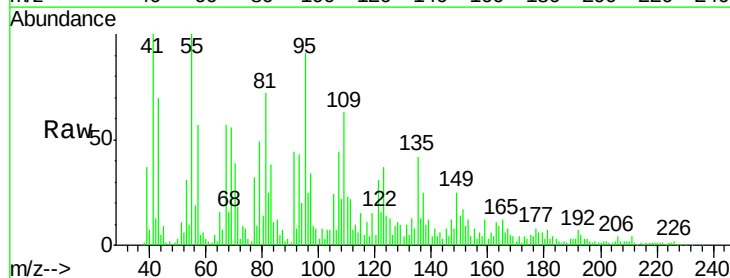


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

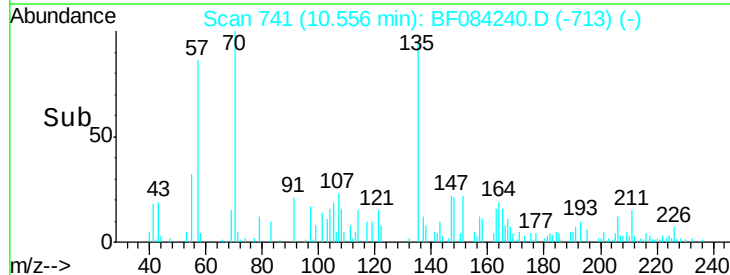
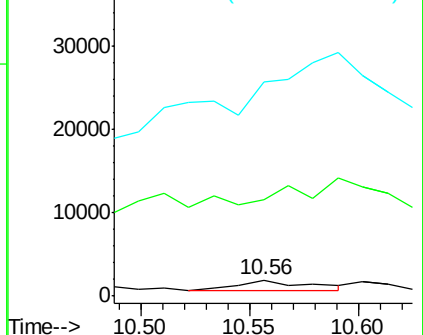


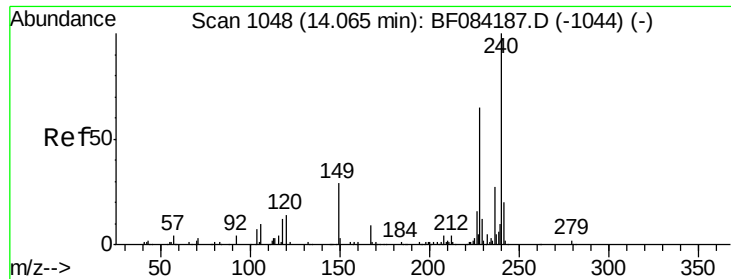
#64
4,6-Dinitro-2-methylphenol
Concen: 6.86 ng
RT: 10.56 min Scan# 741
Delta R.T. 0.02 min
Lab File: BF084240.D
Acq: 4 Jan 2016 15:50

Tgt Ion:198 Resp: 3043
Ion Ratio Lower Upper
198 100
51 600.7 18.9 58.9#
105 1341.4 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

Instrument :

BNA_F

ClientSampleId :

S8-0529

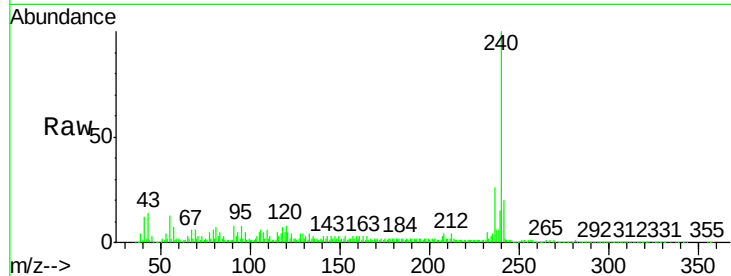
Tgt Ion:240 Resp: 583326

Ion Ratio Lower Upper

240 100

120 7.9 9.5 14.3#

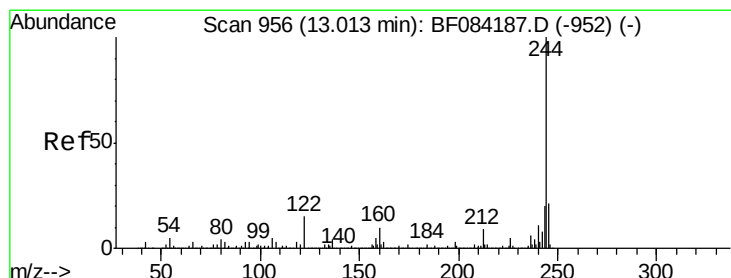
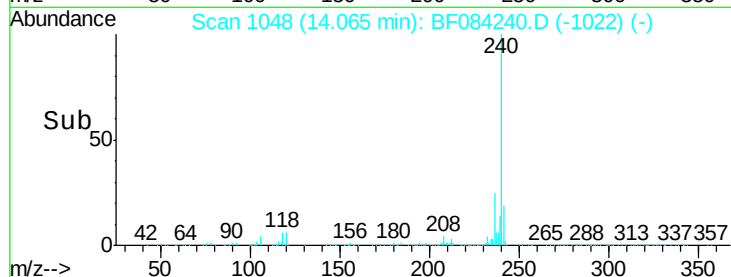
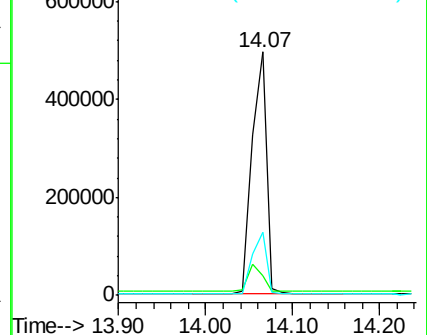
236 25.8 20.6 31.0



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: 69.79 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084240.D

Acq: 4 Jan 2016 15:50

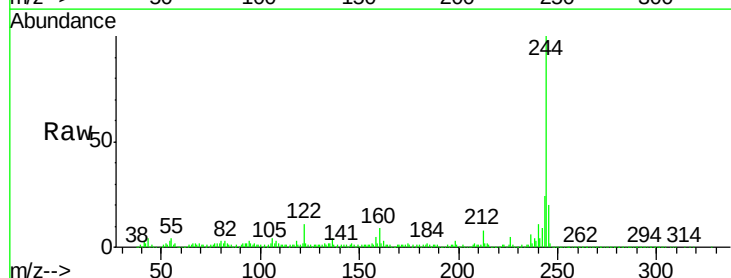
Tgt Ion:244 Resp: 1823689

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

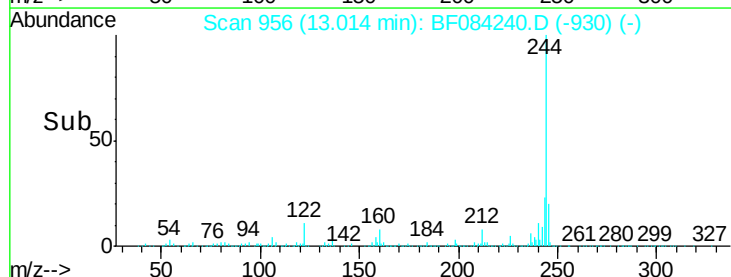
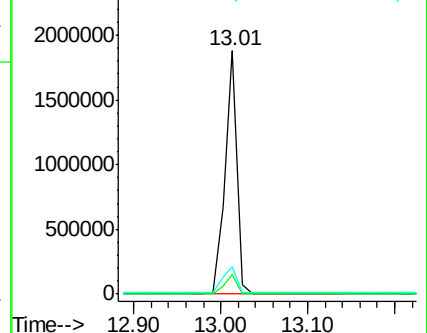
122 11.4 7.4 11.0#

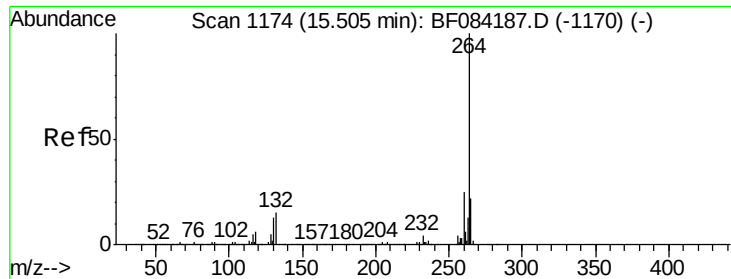


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF084240.D
Acq: 4 Jan 2016 15:50

Instrument :
BNA_F
ClientSampleId :
S8-0529

Tgt Ion: 264 Resp: 619073

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.0	17.8	26.6

