

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084222.D
 Acq On : 1 Jan 2016 3:52
 Operator : UM/SJ
 Sample : G4981-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0532

Quant Time: Jan 01 23:51:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

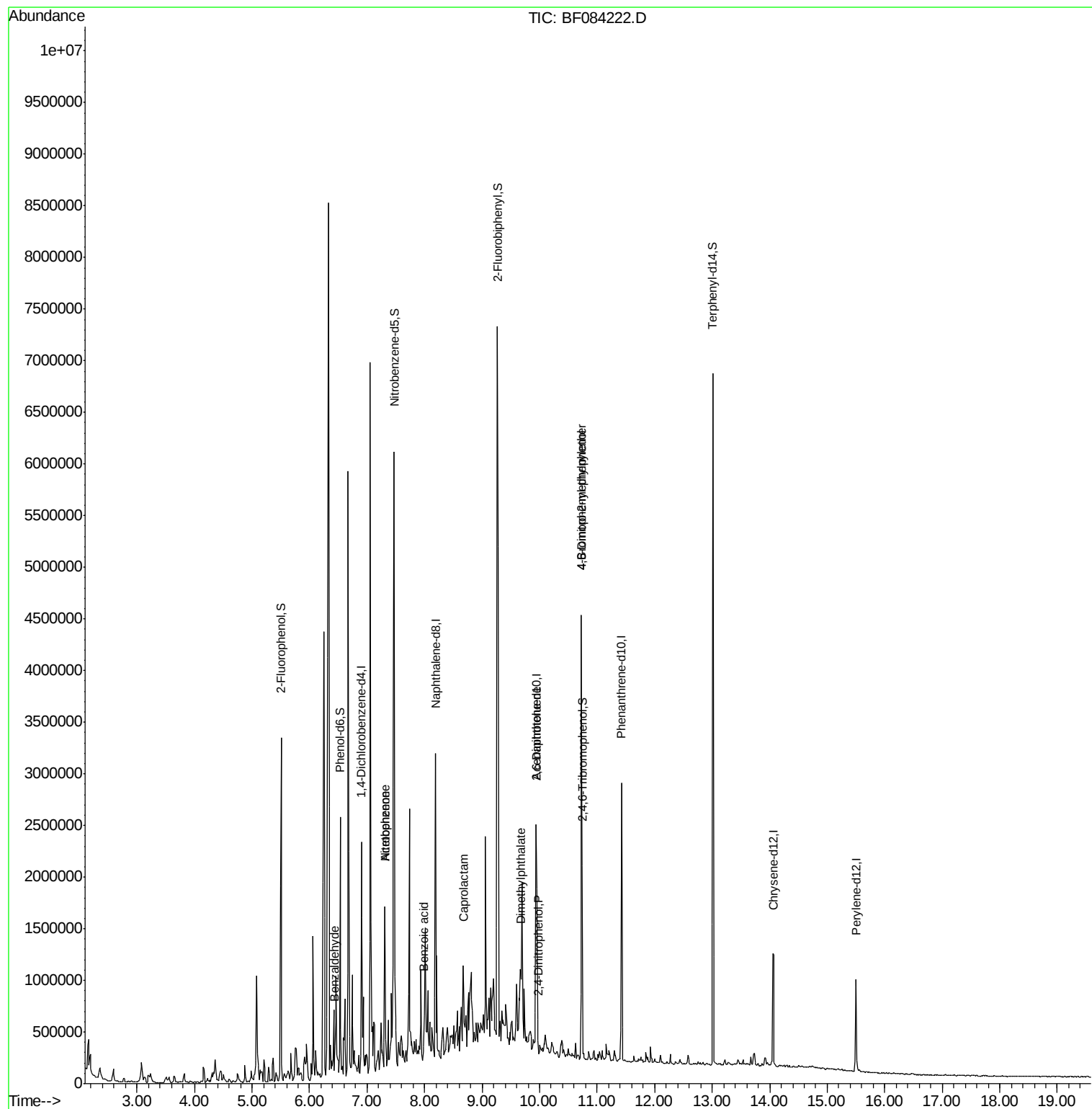
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	281066	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1199632	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	491516	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	867128	20.00	ng	0.00
75) Chrysene-d12	14.06	240	566113	20.00	ng	0.00
86) Perylene-d12	15.50	264	494871	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	955531	54.99	ng	0.01
7) Phenol-d6	6.53	99	751474	34.43	ng	0.00
23) Nitrobenzene-d5	7.47	82	1866087	86.57	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	590305	118.96	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	2835249	102.80	ng	0.00
78) Terphenyl-d14	13.01	244	1961761	77.35	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.44	77	60060	4.23	ng	88
22) Acetophenone	7.31	105	376458	13.05	ng	# 98
24) Nitrobenzene	7.31	77	278306	12.73	ng	# 40
32) Benzoic acid	8.00	122	2320	6.40	ng	# 1
35) Caprolactam	8.67	113	51386	9.09	ng	# 40
49) Dimethylphthalate	9.66	163	111074	3.16	ng	# 91
50) 2,6-Dinitrotoluene	9.94	165	66170	8.59	ng	# 44
53) 2,4-Dinitrophenol	9.97	184	264	3.63	ng	# 1
54) Dibenzofuran	10.14	168	2887	Below Cal		# 1
57) Fluorene	10.49	166	3719	Below Cal		# 23
60) 4-Chlorophenyl-phenylether	10.51	204	268	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.73	198	1980	6.70	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	33483	3.59	ng	# 1
73) Di-n-butylphthalate	12.00	149	17146	Below Cal		# 94

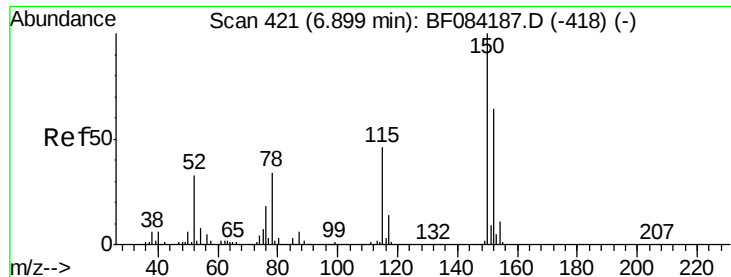
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

Instrument :

BNA_F

ClientSampleId :

S8-0532

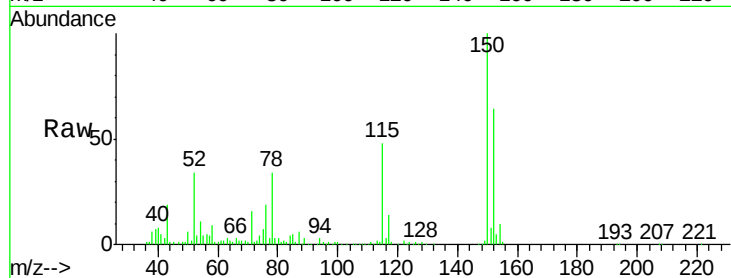
Tgt Ion:152 Resp: 281066

Ion Ratio Lower Upper

152 100

150 156.7 123.0 184.4

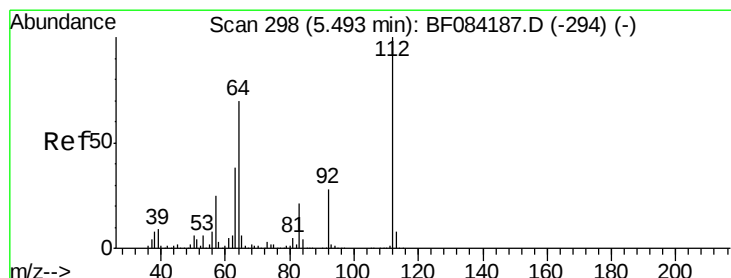
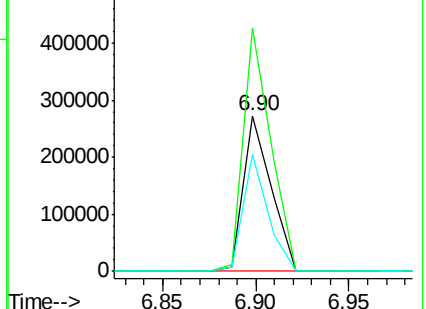
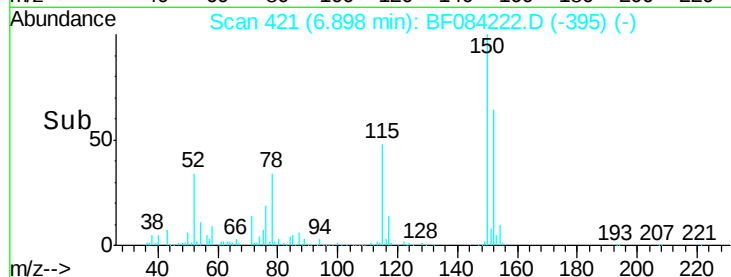
115 75.4 51.4 77.2



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: 54.99 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

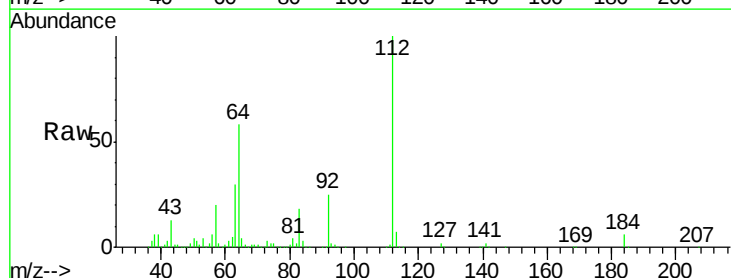
Tgt Ion:112 Resp: 955531

Ion Ratio Lower Upper

112 100

64 57.5 36.6 55.0#

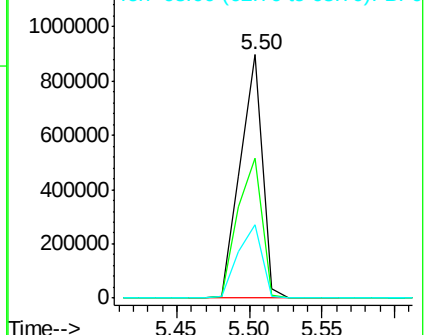
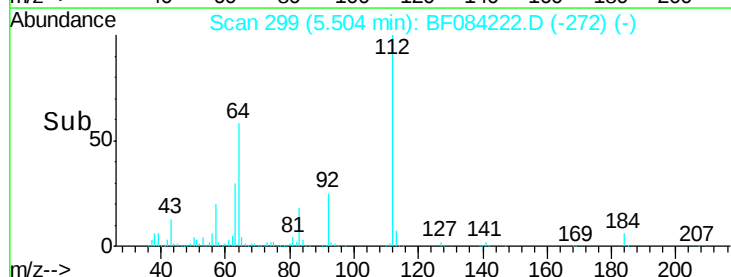
63 30.1 19.4 29.0#

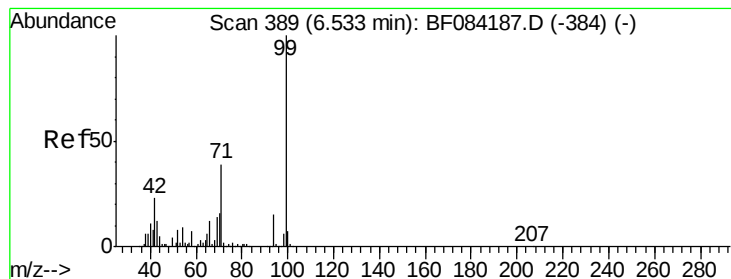


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.43 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

Instrument :

BNA_F

ClientSampled :

S8-0532

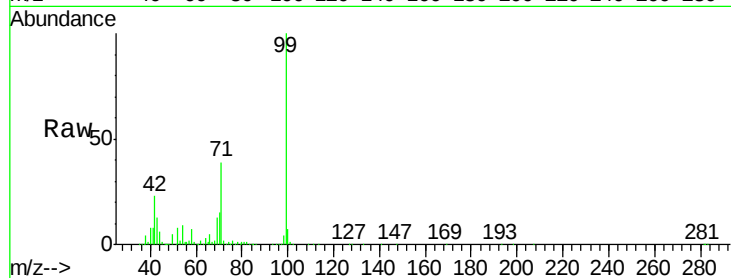
Tgt Ion: 99 Resp: 751474

Ion Ratio Lower Upper

99 100

42 22.6 12.8 19.2#

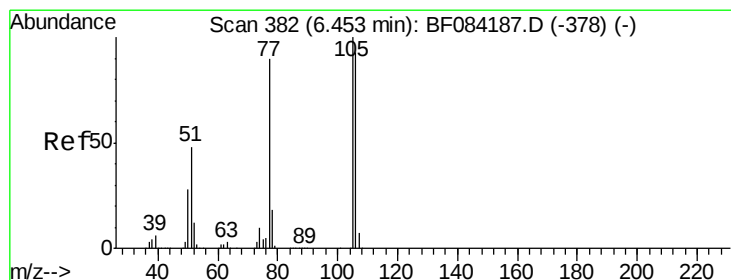
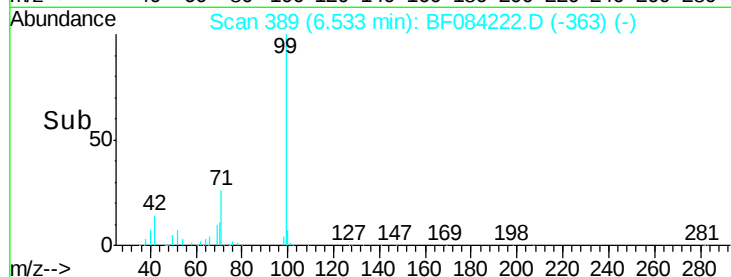
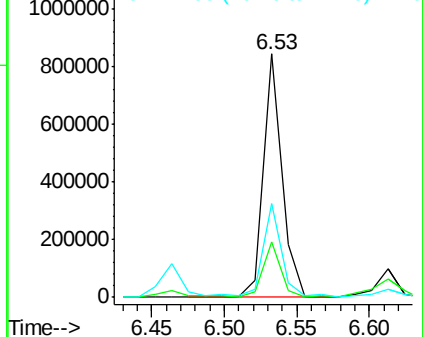
71 38.6 30.9 46.3



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: 4.23 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

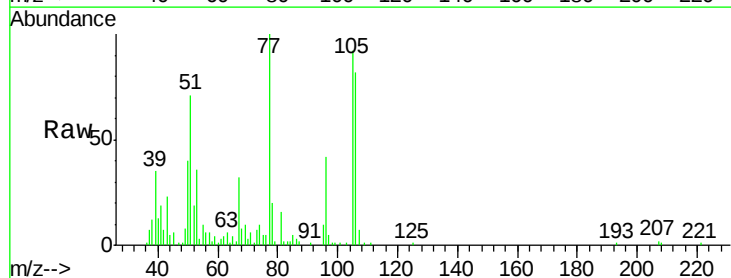
Tgt Ion: 77 Resp: 60060

Ion Ratio Lower Upper

77 100

105 91.8 83.0 123.0

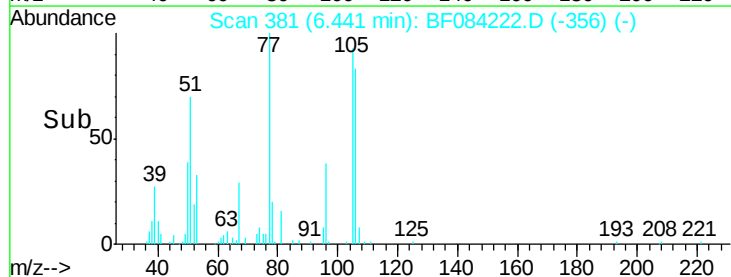
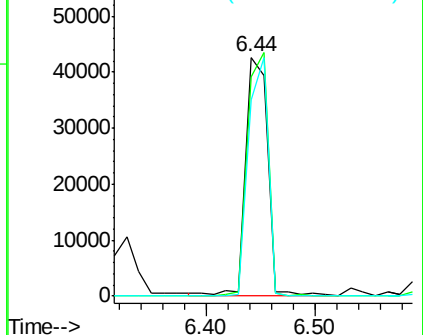
106 82.4 74.6 114.6

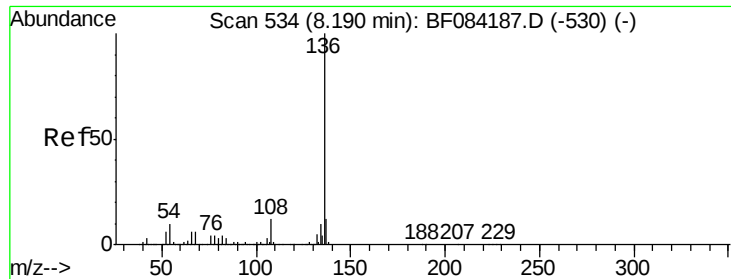


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

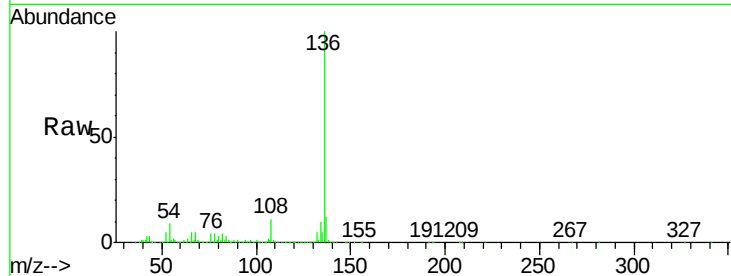




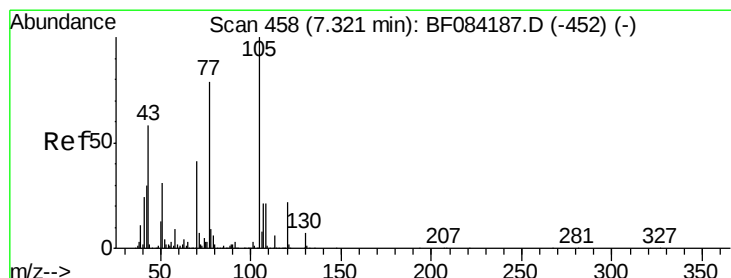
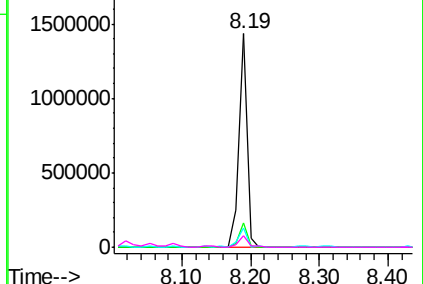
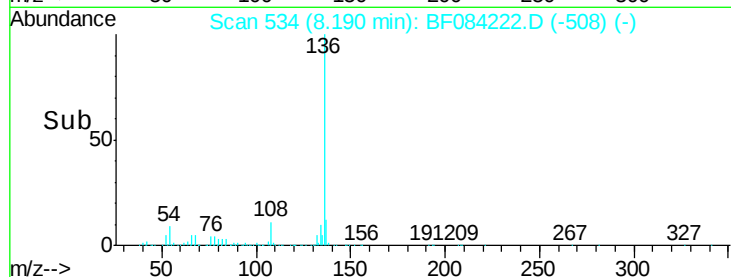
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF084222.D
Acq: 1 Jan 2016 3:52

Instrument :
BNA_F
ClientSampleId :
S8-0532

Tgt Ion:	136	Resp:	1199632
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	8.9	5.8	8.8#
68	5.4	4.2	6.2

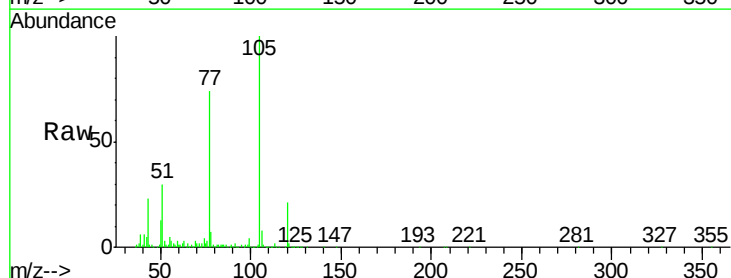


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

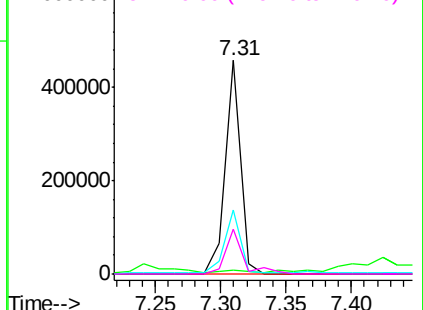
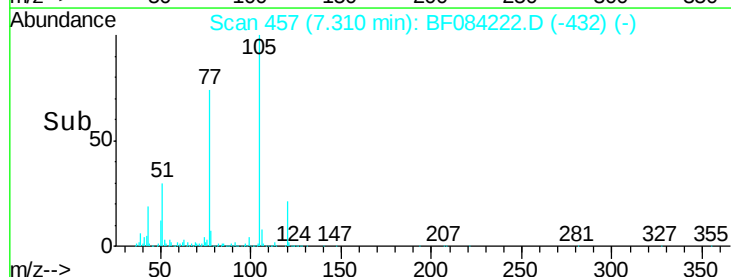


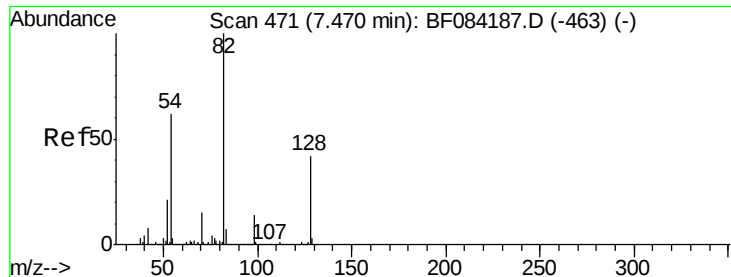
#22
Acetophenone
Concen: 13.05 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF084222.D
Acq: 1 Jan 2016 3:52

Tgt Ion:	105	Resp:	376458
Ion	Ratio	Lower	Upper
105	100		
71	1.9	3.7	5.5#
51	30.1	25.1	37.7
120	20.8	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

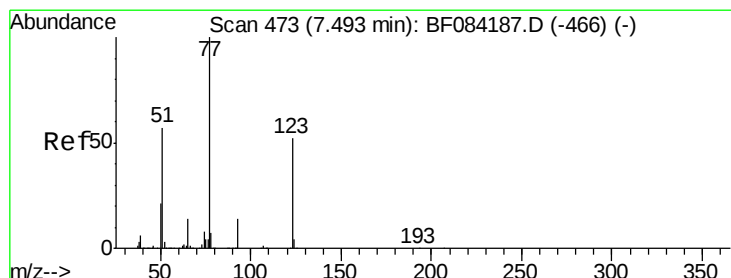
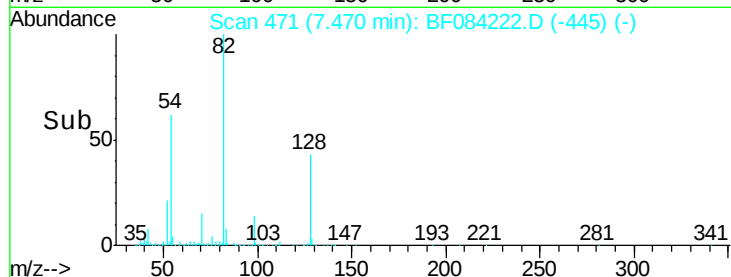
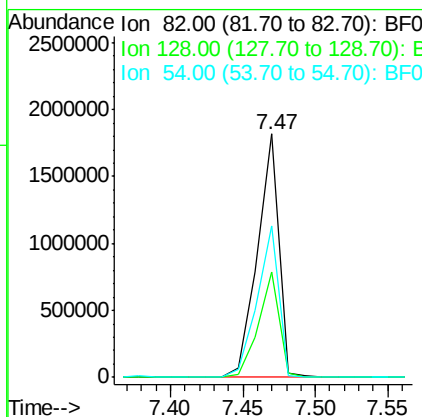
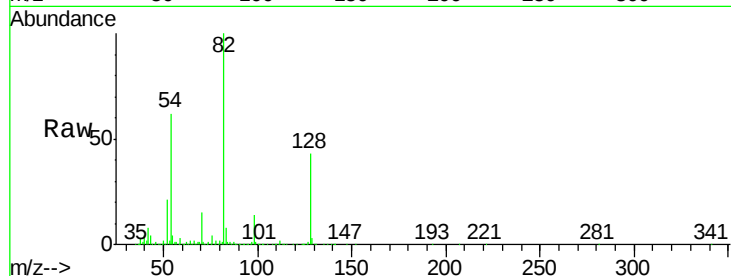




#23
 Nitrobenzene-d5
 Concen: 86.57 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: BF084222.D
 Acq: 1 Jan 2016 3:52

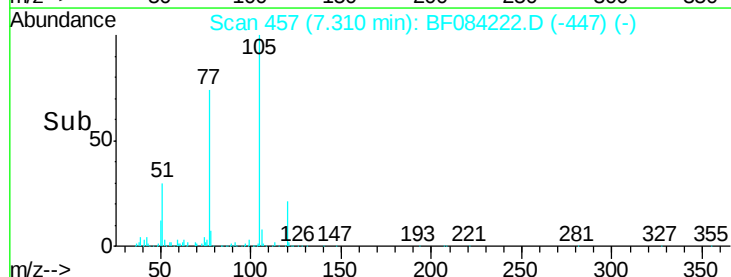
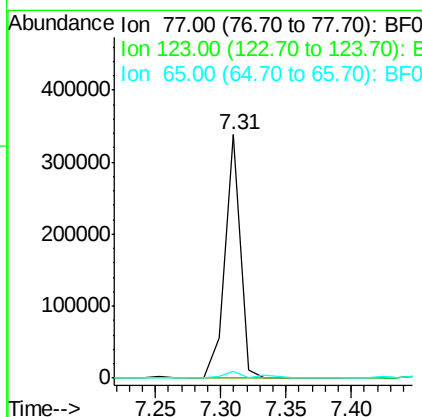
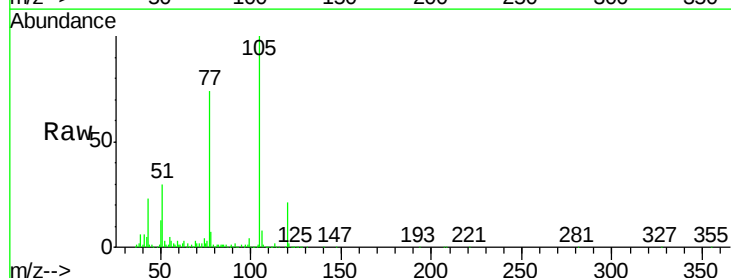
Instrument :
 BNA_F
 ClientSampleID :
 S8-0532

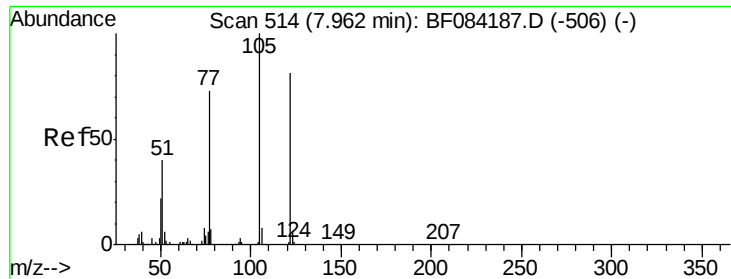
Tgt Ion: 82 Resp: 1866087
 Ion Ratio Lower Upper
 82 100
 128 43.5 34.6 51.8
 54 62.2 38.4 57.6#



#24
 Nitrobenzene
 Concen: 12.73 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.18 min
 Lab File: BF084222.D
 Acq: 1 Jan 2016 3:52

Tgt Ion: 77 Resp: 278306
 Ion Ratio Lower Upper
 77 100
 123 0.1 37.4 56.2#
 65 3.0 10.9 16.3#





#32

Benzoic acid

Concen: 6.40 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.03 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

Instrument :

BNA_F

ClientSampleId :

S8-0532

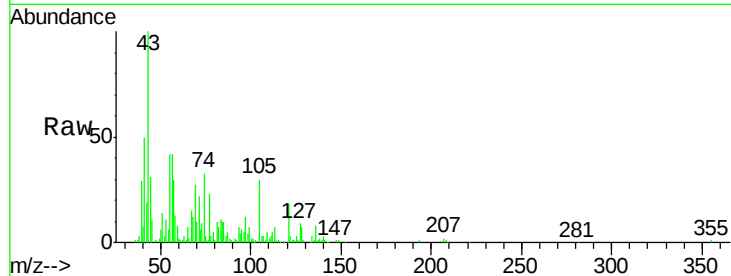
Tgt Ion:122 Resp: 2320

Ion Ratio Lower Upper

122 100

105 1071.2 100.3 140.3#

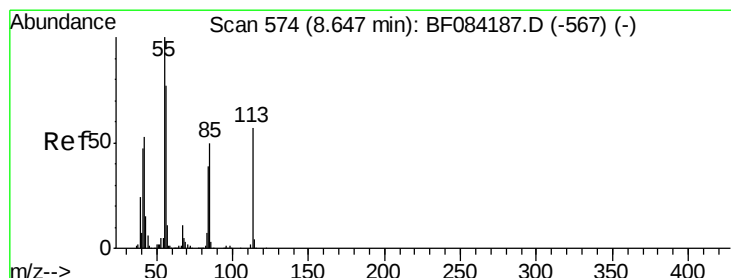
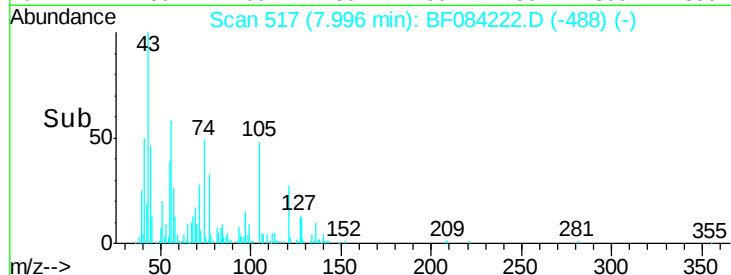
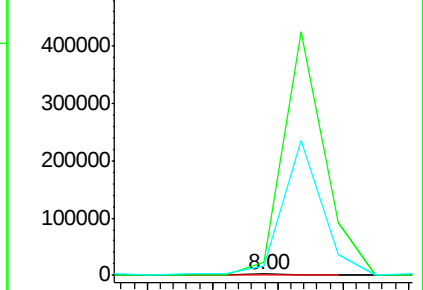
77 803.3 63.5 103.5#



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



#35

Caprolactam

Concen: 9.09 ng

RT: 8.67 min Scan# 576

Delta R.T. 0.02 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

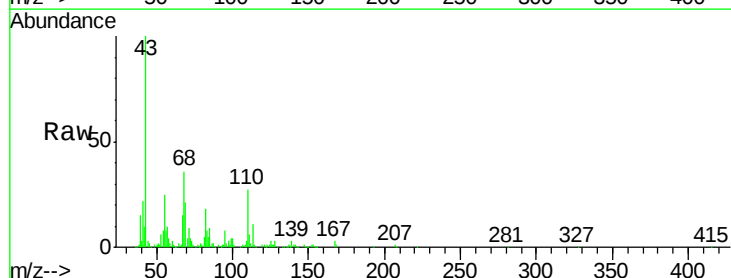
Tgt Ion:113 Resp: 51386

Ion Ratio Lower Upper

113 100

55 232.5 116.9 156.9#

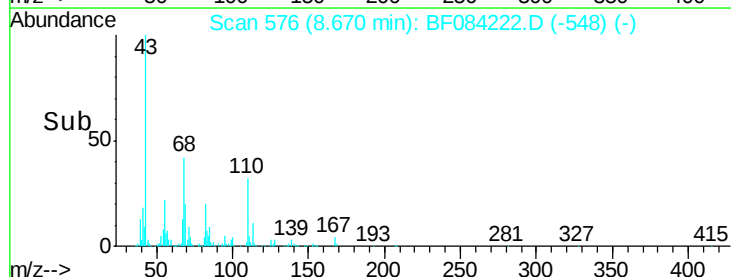
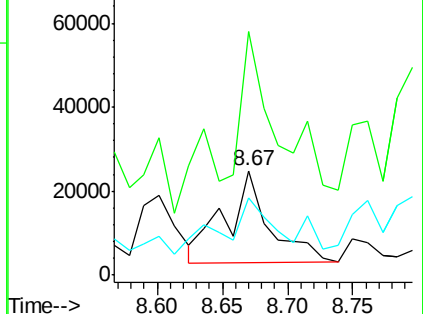
56 73.4 93.8 133.8#

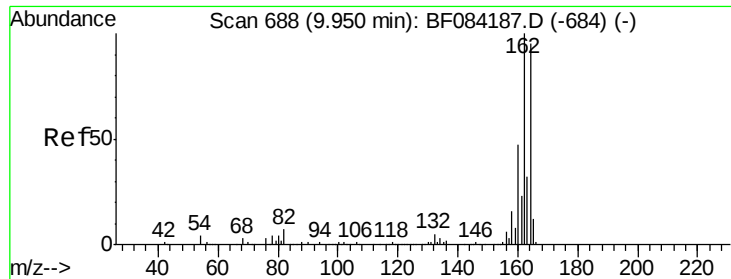


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

Instrument :

BNA_F

ClientSampleId :

S8-0532

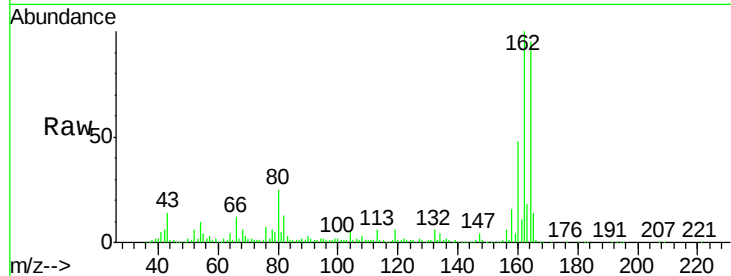
Tgt Ion:164 Resp: 491516

Ion Ratio Lower Upper

164 100

162 105.1 85.1 127.7

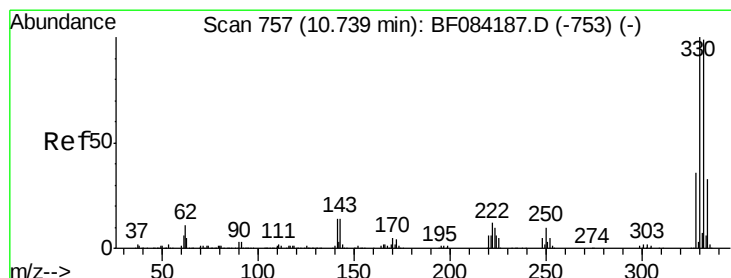
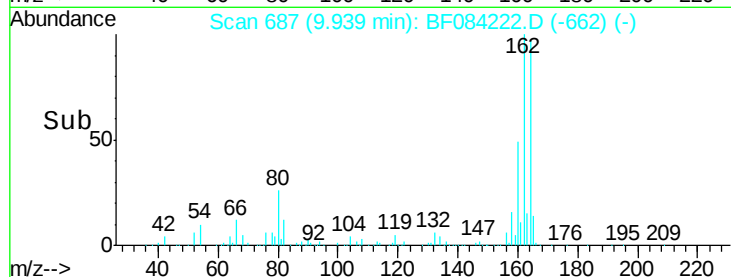
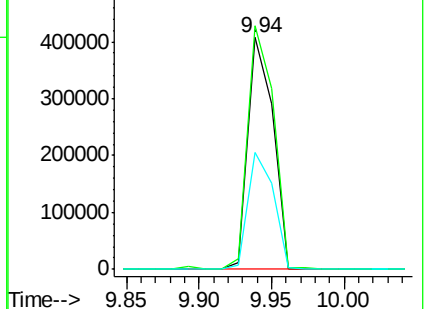
160 50.4 37.5 56.3



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: 118.96 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

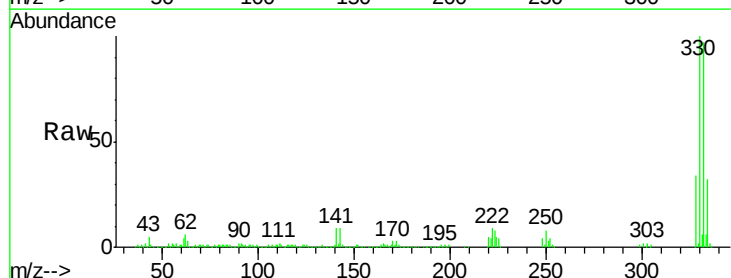
Tgt Ion:330 Resp: 590305

Ion Ratio Lower Upper

330 100

332 95.7 76.6 114.8

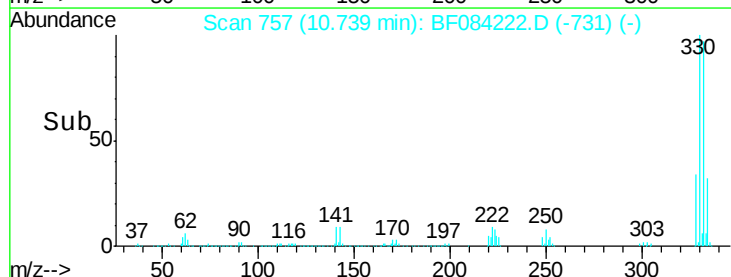
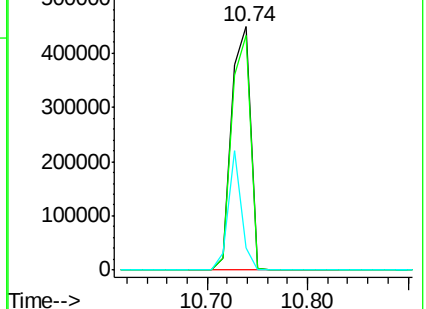
141 34.3 27.8 41.6

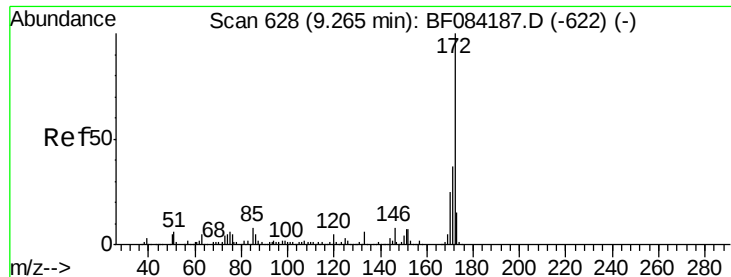


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

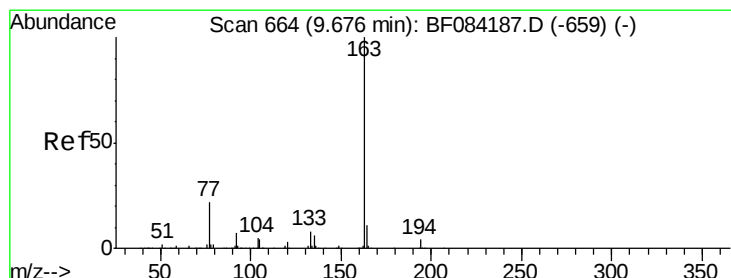
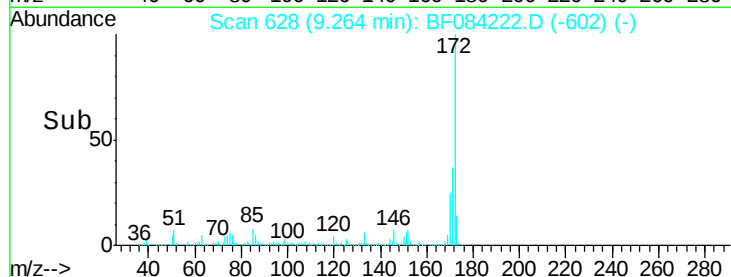
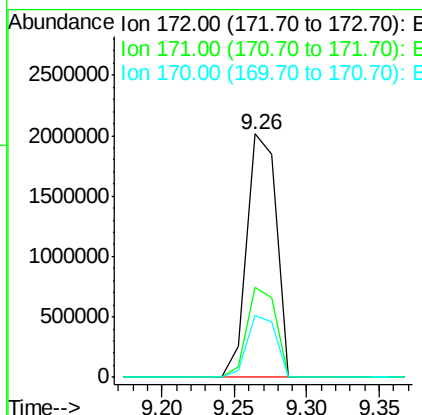
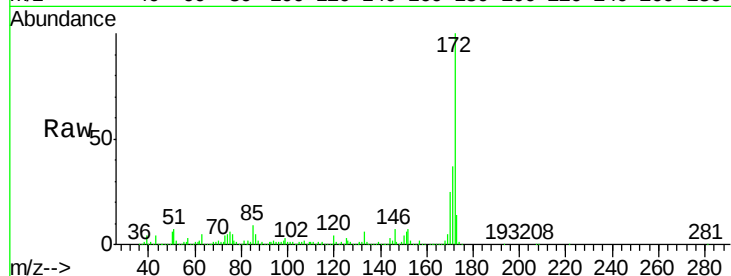




#44
2-Fluorobiphenyl
Concen: 102.80 ng
RT: 9.26 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF084222.D
Acq: 1 Jan 2016 3:52

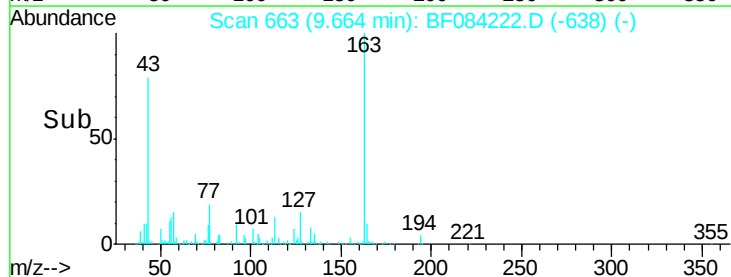
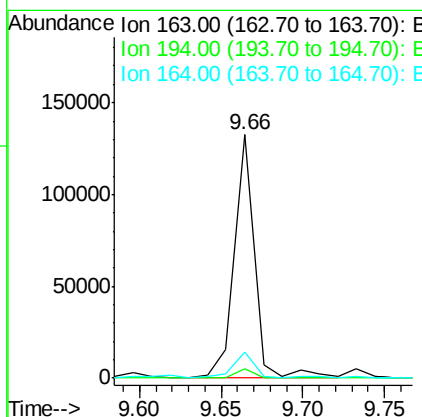
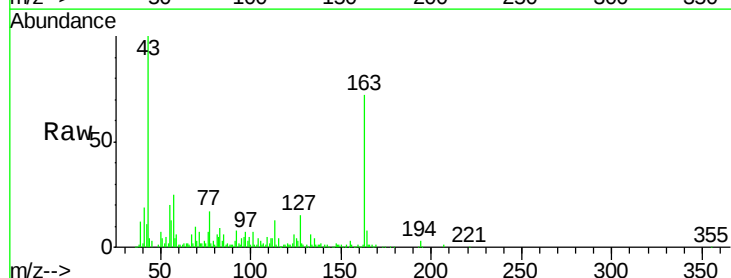
Instrument :
BNA_F
ClientSampleId :
S8-0532

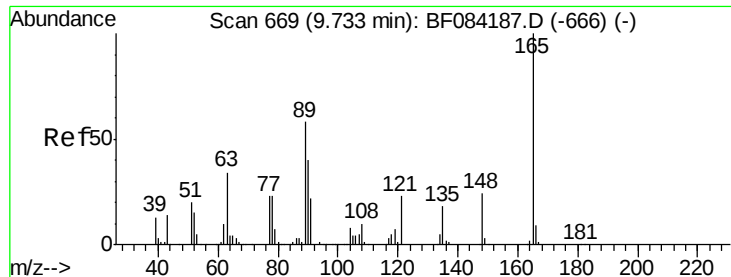
Tgt Ion:172 Resp: 2835249
Ion Ratio Lower Upper
172 100
171 37.2 28.9 43.3
170 25.4 18.6 27.8



#49
Dimethylphthalate
Concen: 3.16 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF084222.D
Acq: 1 Jan 2016 3:52

Tgt Ion:163 Resp: 111074
Ion Ratio Lower Upper
163 100
194 3.8 8.0 12.0#
164 10.6 8.0 12.0

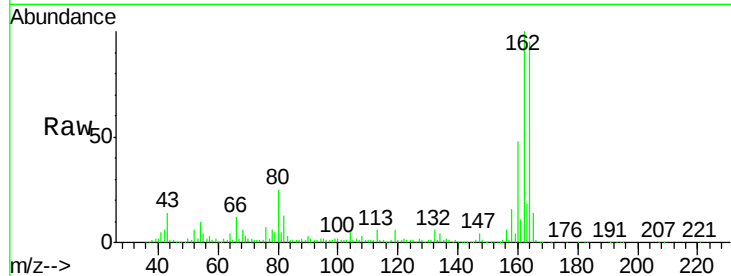




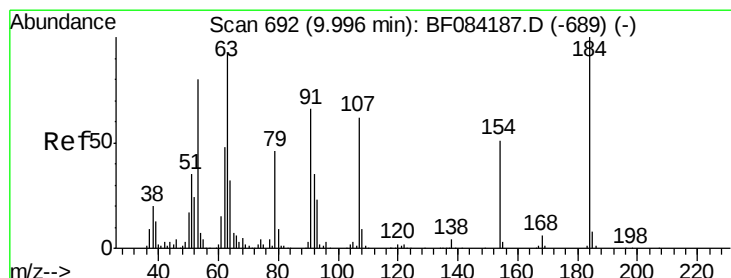
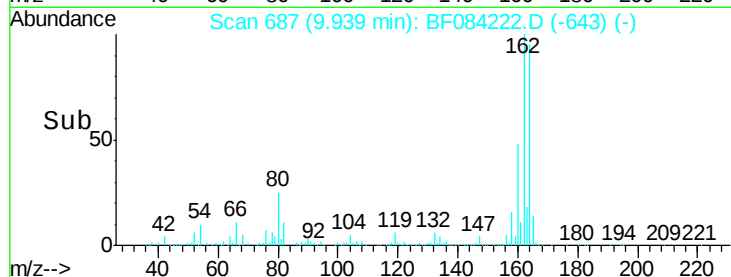
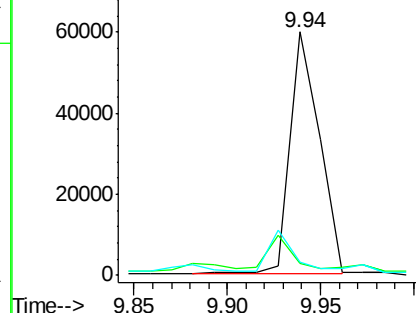
#50
2,6-Dinitrotoluene
Concen: 8.59 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.21 min
Lab File: BF084222.D
Acq: 1 Jan 2016 3:52

Instrument :
BNA_F
ClientSampleId :
S8-0532

Tgt Ion:165 Resp: 66170
Ion Ratio Lower Upper
165 100
63 5.1 28.8 43.2#
89 5.5 35.1 52.7#

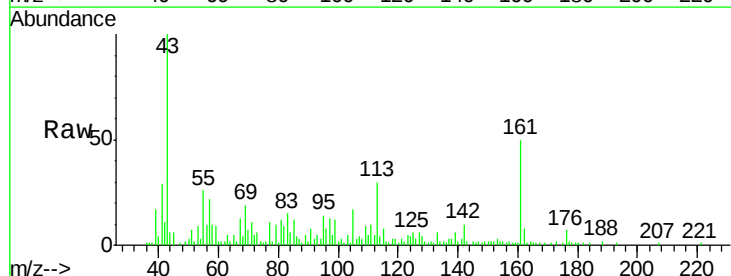


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

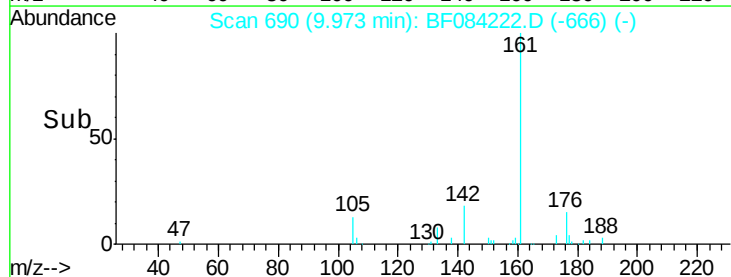
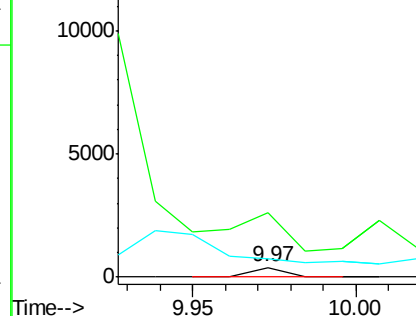


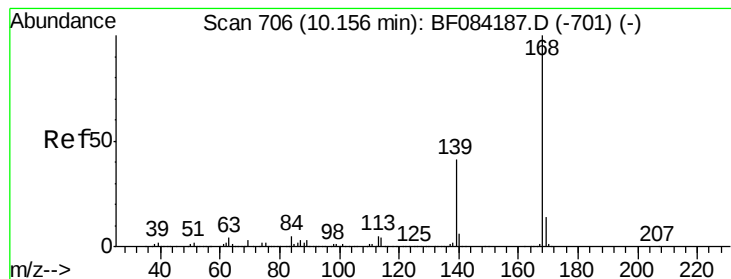
#53
2,4-Dinitrophenol
Concen: 3.63 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.02 min
Lab File: BF084222.D
Acq: 1 Jan 2016 3:52

Tgt Ion:184 Resp: 264
Ion Ratio Lower Upper
184 100
63 685.5 43.1 64.7#
154 192.7 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: 10.14 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

Instrument :

BNA_F

ClientSampleId :

S8-0532

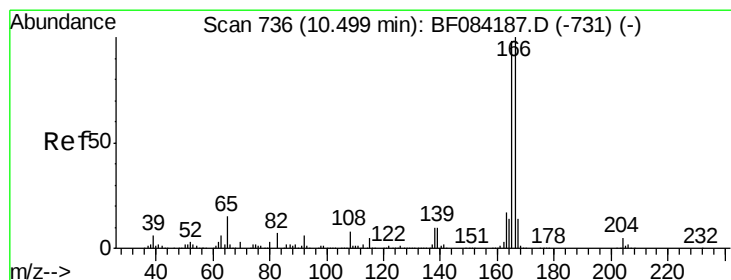
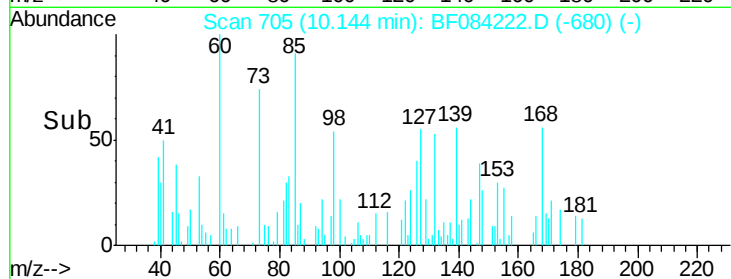
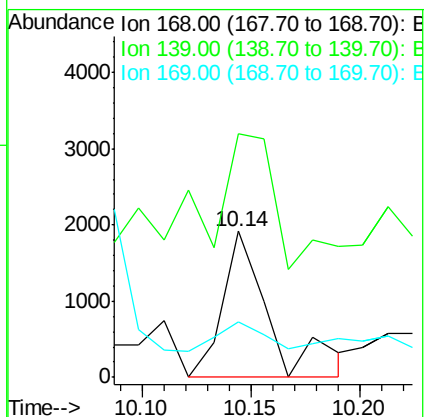
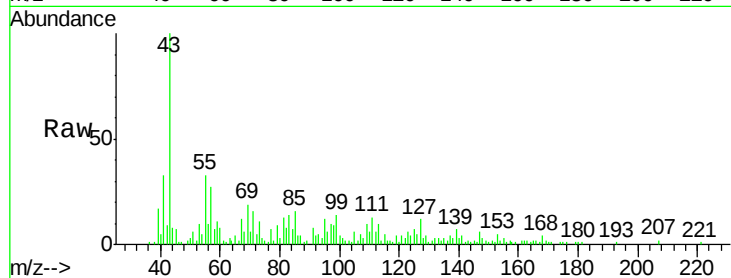
Tgt Ion:168 Resp: 2887

Ion Ratio Lower Upper

168 100

139 166.9 30.5 45.7#

169 37.9 10.4 15.6#



#57

Fluorene

Concen: Below Cal

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

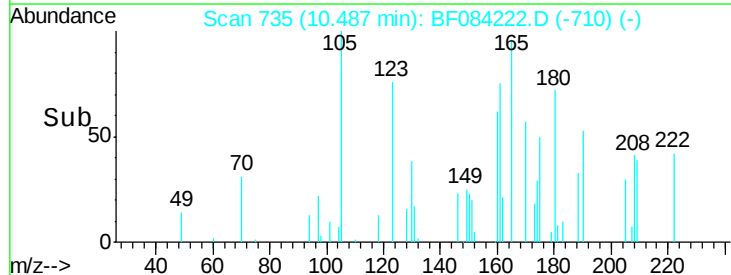
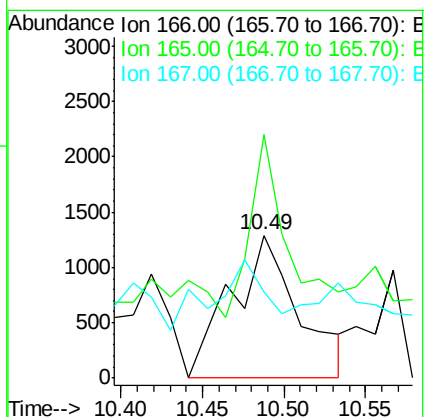
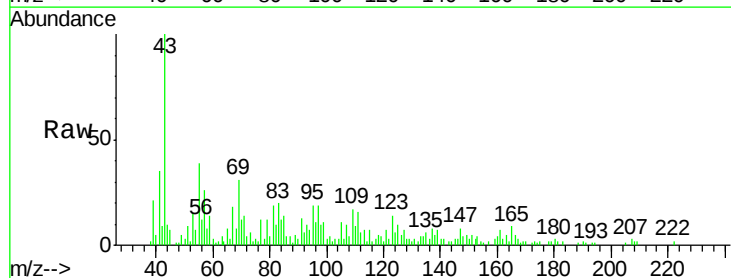
Tgt Ion:166 Resp: 3719

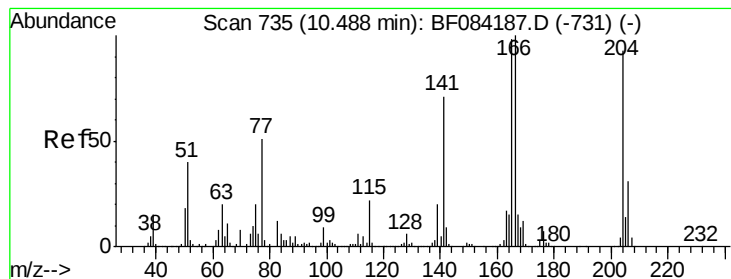
Ion Ratio Lower Upper

166 100

165 170.4 79.1 118.7#

167 60.0 10.4 15.6#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.51 min Scan# 737

Delta R.T. 0.02 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

Instrument :

BNA_F

ClientSampleId :

S8-0532

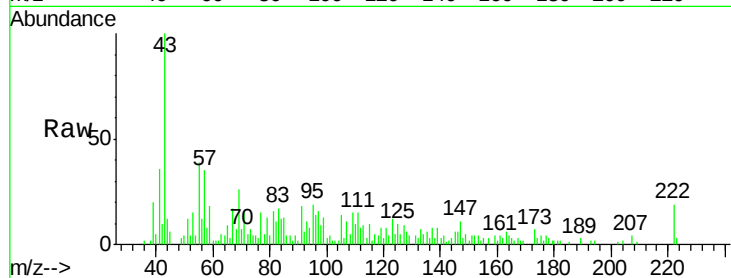
Tgt Ion:204 Resp: 268

Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

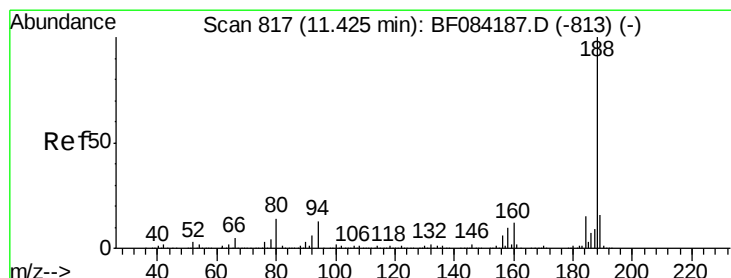
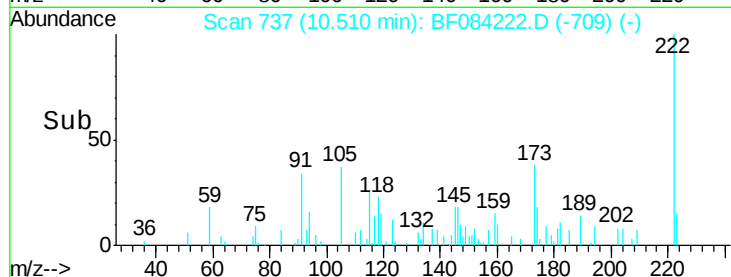
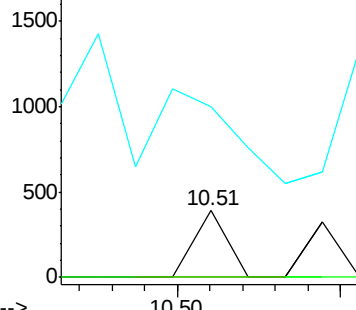
141 256.9 55.1 82.7#



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: 11.42 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

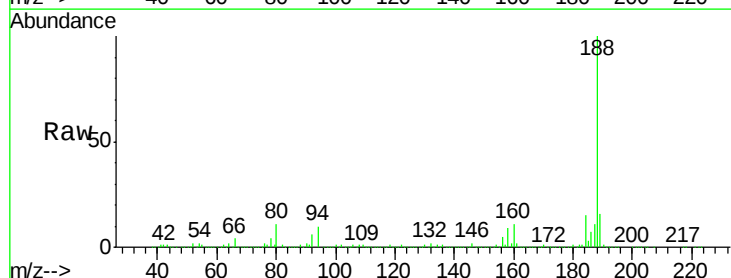
Tgt Ion:188 Resp: 867128

Ion Ratio Lower Upper

188 100

94 10.1 9.0 13.4

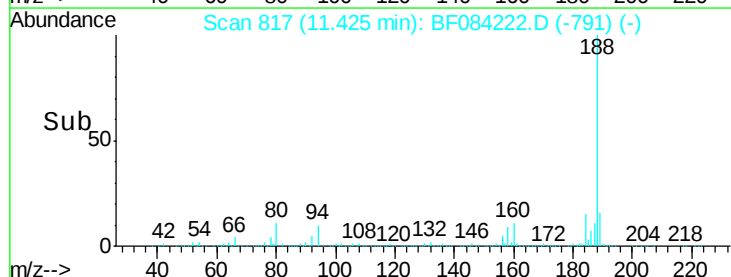
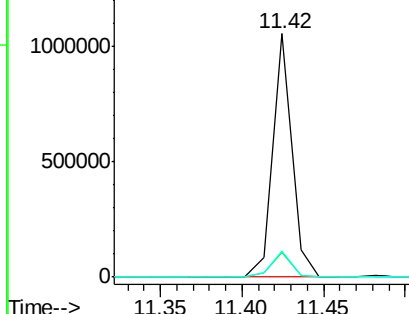
80 10.7 9.6 14.4

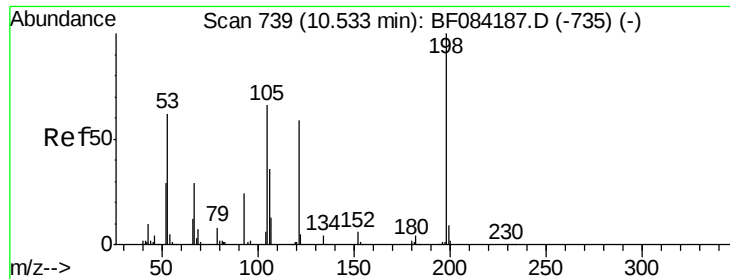


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.70 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

Instrument :

BNA_F

ClientSampled :

S8-0532

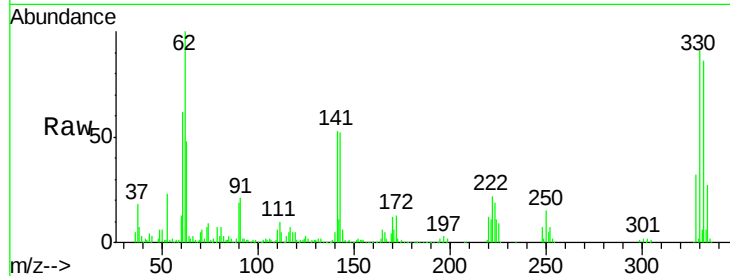
Tgt Ion:198 Resp: 1980

Ion Ratio Lower Upper

198 100

51 351.0 18.9 58.9#

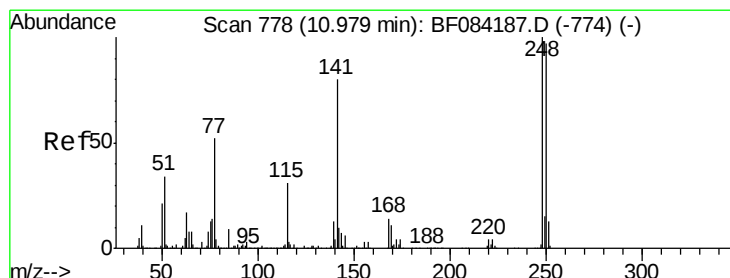
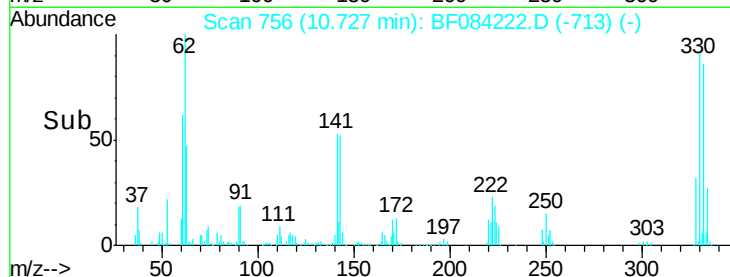
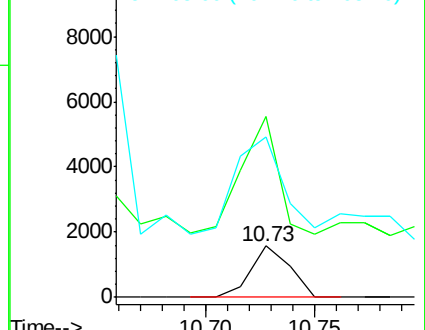
105 312.1 26.4 66.4#



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: 3.59 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

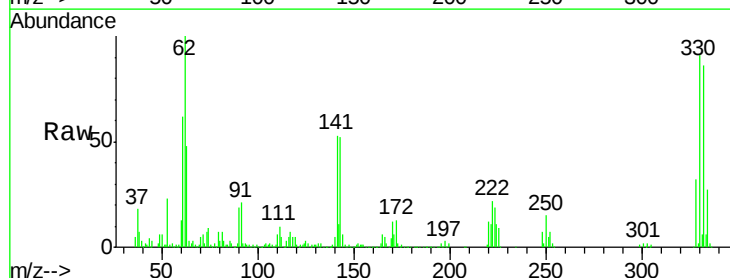
Tgt Ion:248 Resp: 33483

Ion Ratio Lower Upper

248 100

250 205.4 78.4 117.6#

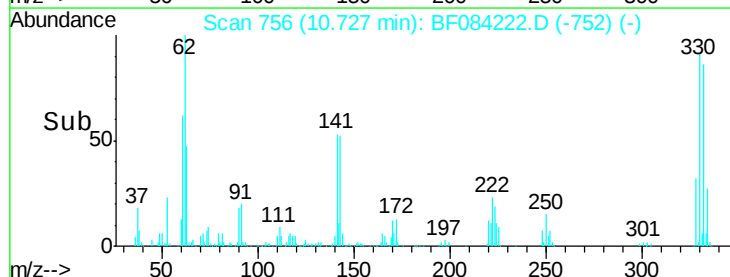
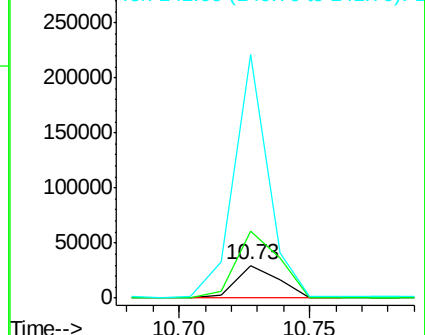
141 749.9 44.0 66.0#

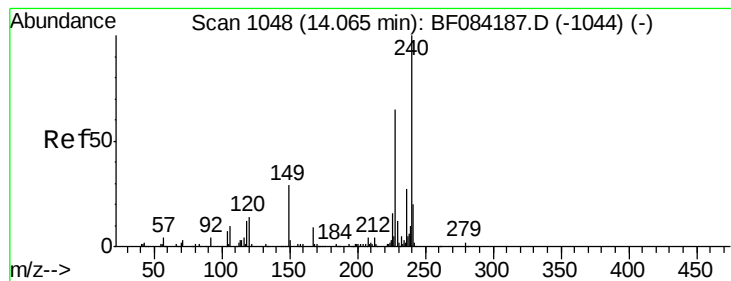


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.06 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

Instrument :

BNA_F

ClientSampleId :

S8-0532

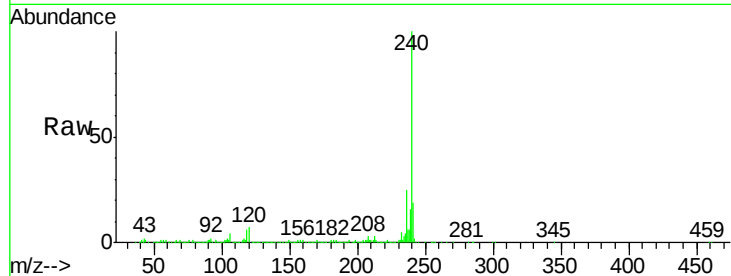
Tgt Ion:240 Resp: 566113

Ion Ratio Lower Upper

240 100

120 6.5 9.5 14.3#

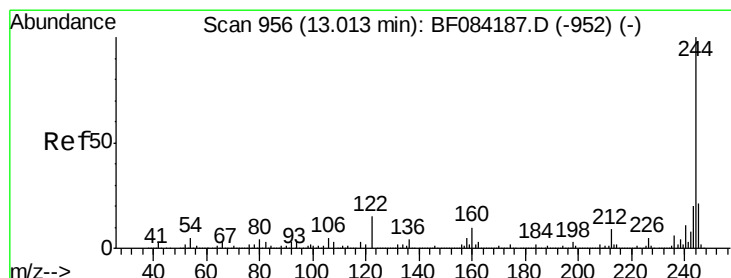
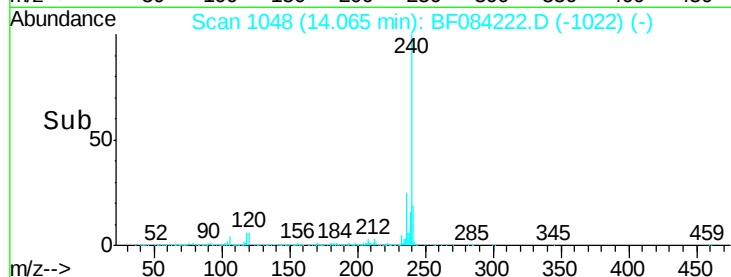
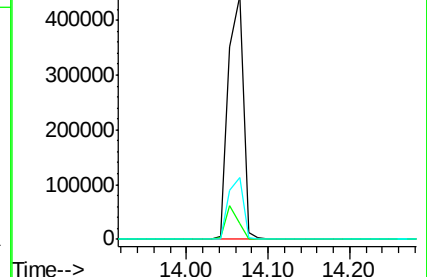
236 25.3 20.6 31.0



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: 77.35 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF084222.D

Acq: 1 Jan 2016 3:52

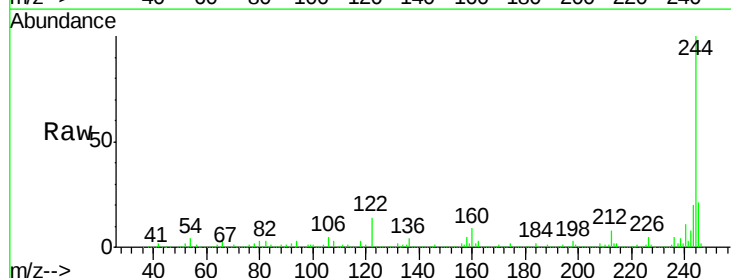
Tgt Ion:244 Resp: 1961761

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

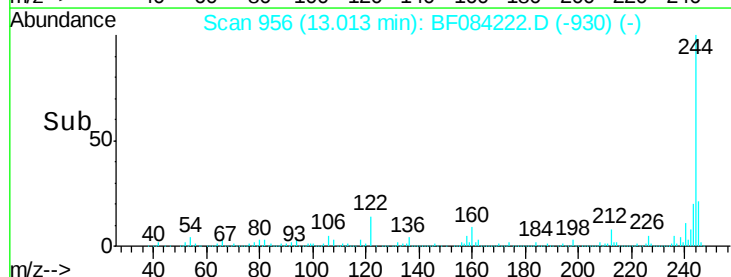
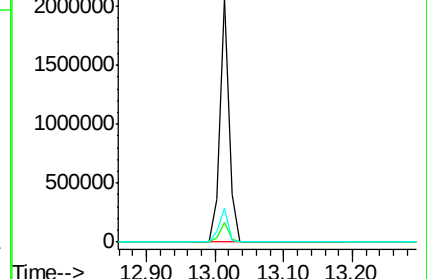
122 13.8 7.4 11.0#

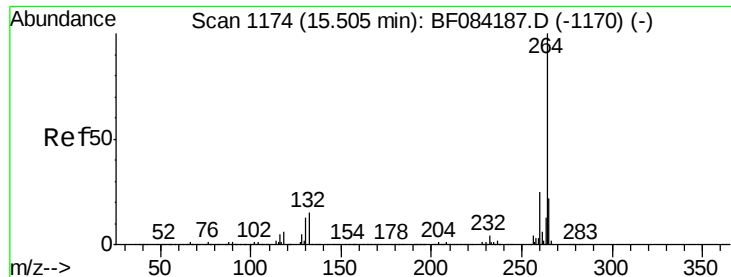


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



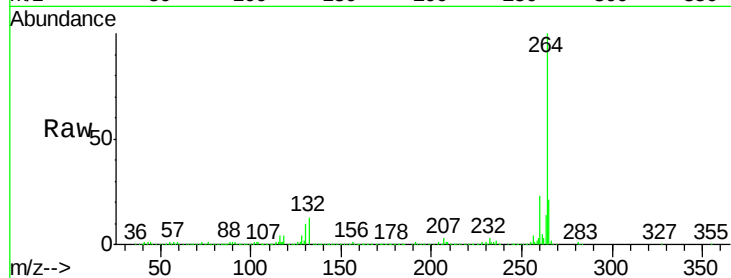


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF084222.D
Acq: 1 Jan 2016 3:52

Instrument :
BNA_F
ClientSampleId :
S8-0532

Tgt Ion: 264 Resp: 494871

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.0	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

