

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084238.D
 Acq On : 4 Jan 2016 14:55
 Operator : UM/SJ
 Sample : G4981-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0532

Quant Time: Jan 05 05:47:05 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

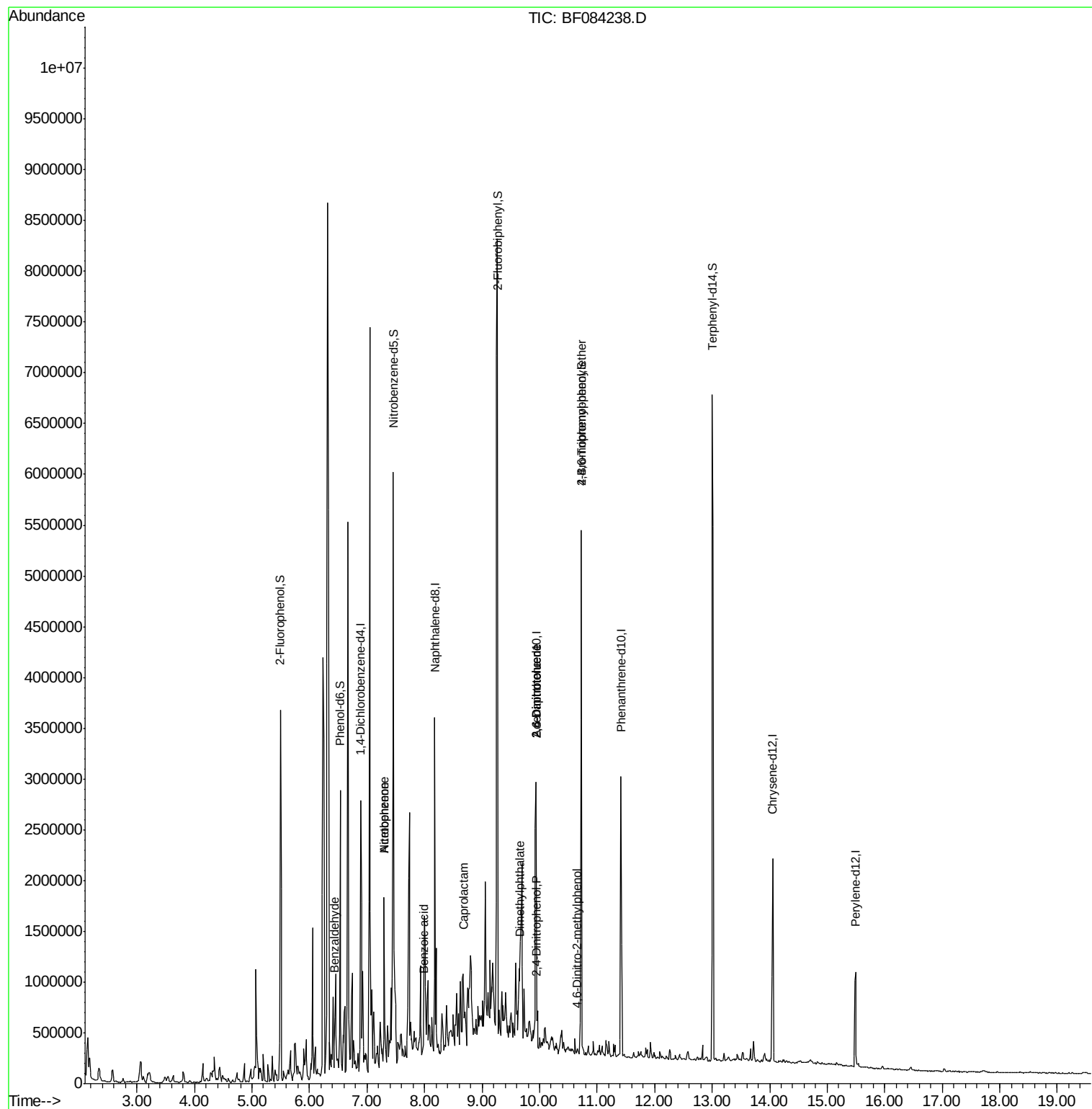
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	328358	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1366434	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	611540	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	1029318	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	765361	20.00	ng	-0.01
86) Perylene-d12	15.49	264	516868	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1063179	52.37	ng	0.00
7) Phenol-d6	6.53	99	860554	33.75	ng	0.00
23) Nitrobenzene-d5	7.46	82	1973950	80.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	708131	114.70	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	3409388	99.13	ng	0.00
78) Terphenyl-d14	13.00	244	2891756	84.34	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.44	77	68194	4.11	ng	Qvalue 85
22) Acetophenone	7.30	105	412104	12.54	ng	# 98
24) Nitrobenzene	7.30	77	311421	12.51	ng	# 40
32) Benzoic acid	7.98	122	3373	6.45	ng	# 1
35) Caprolactam	8.67	113	59147	9.18	ng	# 34
49) Dimethylphthalate	9.65	163	122666	2.81	ng	# 89
50) 2,6-Dinitrotoluene	9.94	165	78937	8.23	ng	# 41
53) 2,4-Dinitrophenol	9.95	184	473	3.67	ng	# 1
54) Dibenzofuran	10.13	168	4340	Below Cal		# 1
56) 2,4-Dinitrotoluene	9.94	165	79745	6.57	ng	# 24
57) Fluorene	10.48	166	1482	Below Cal		# 78
60) 4-Chlorophenyl-phenylether	10.50	204	276	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.65	198	218	6.45	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	50357	4.55	ng	# 1
73) Di-n-butylphthalate	11.98	149	24043	Below Cal		# 90

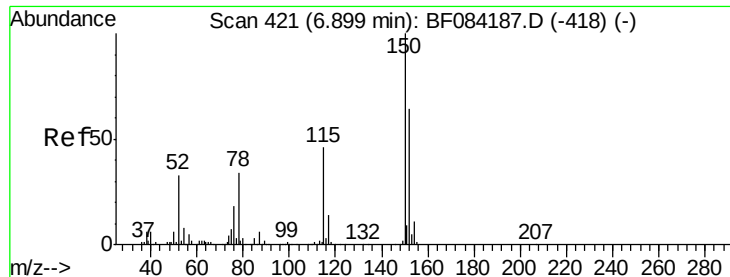
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0532

Quant Time: Jan 05 05:47:05 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

Instrument :

BNA_F

ClientSampleId :

S8-0532

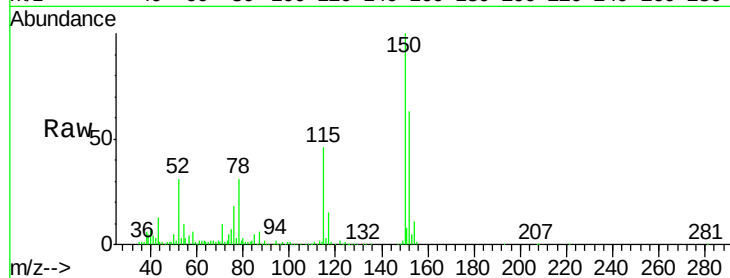
Tgt Ion:152 Resp: 328358

Ion Ratio Lower Upper

152 100

150 157.8 123.0 184.4

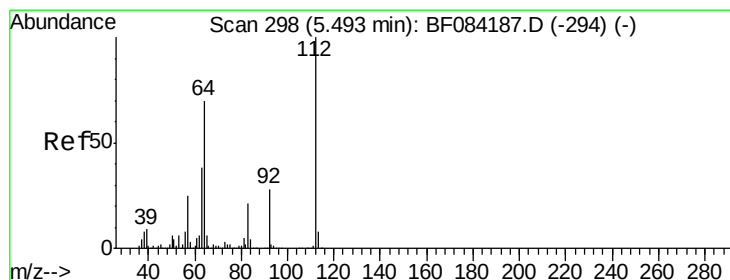
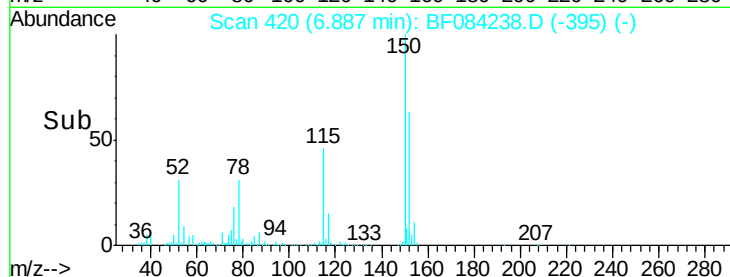
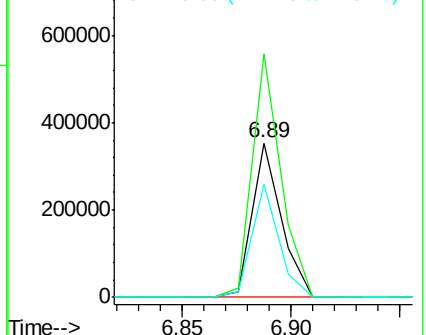
115 73.2 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 52.37 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.00 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

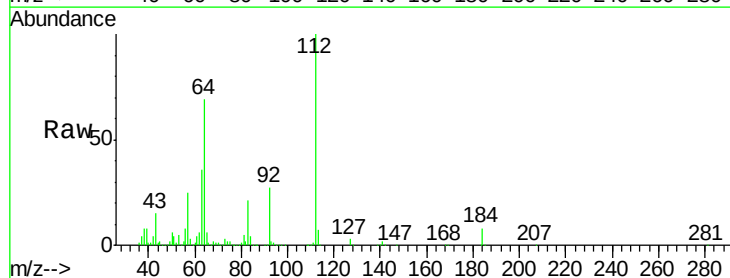
Tgt Ion:112 Resp: 1063179

Ion Ratio Lower Upper

112 100

64 68.8 36.6 55.0#

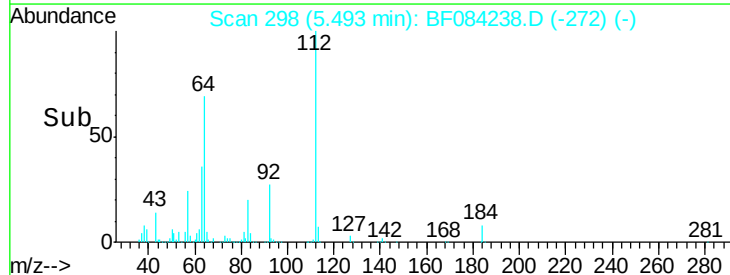
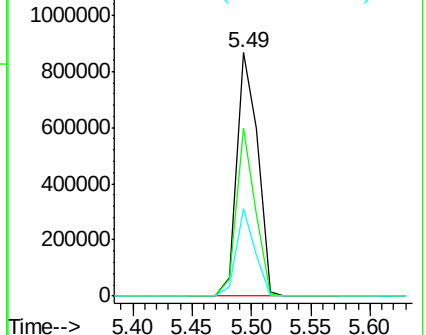
63 35.9 19.4 29.0#

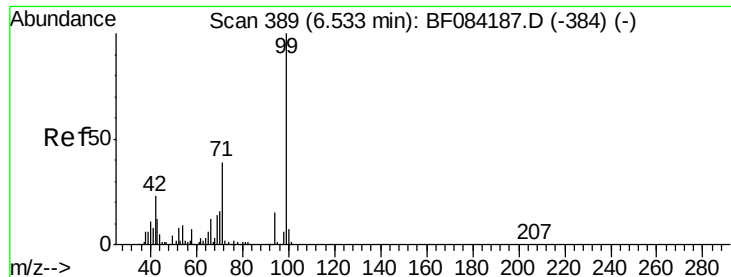


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.75 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

Instrument :

BNA_F

ClientSampleId :

S8-0532

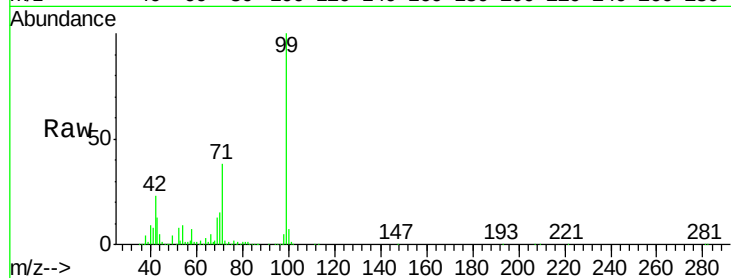
Tgt Ion: 99 Resp: 860554

Ion Ratio Lower Upper

99 100

42 23.0 12.8 19.2#

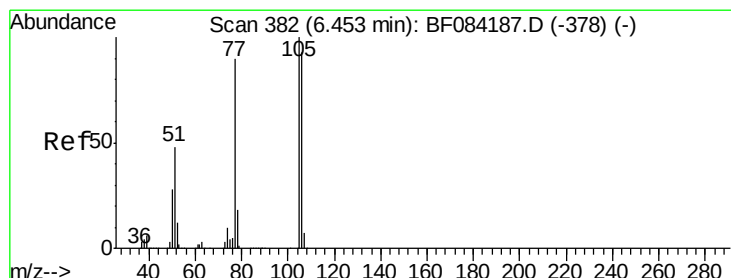
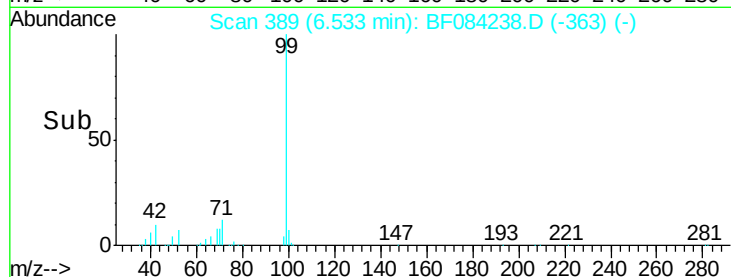
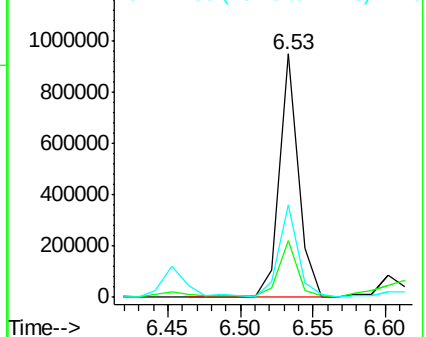
71 38.0 30.9 46.3



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: 4.11 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

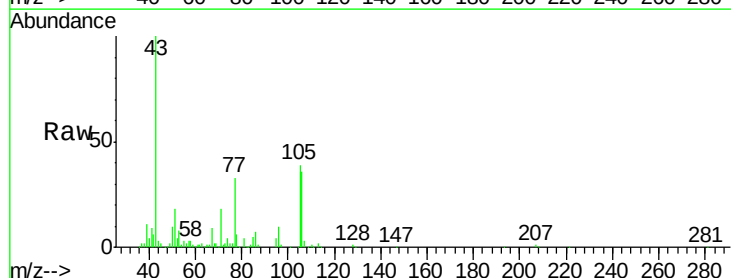
Tgt Ion: 77 Resp: 68194

Ion Ratio Lower Upper

77 100

105 117.4 83.0 123.0

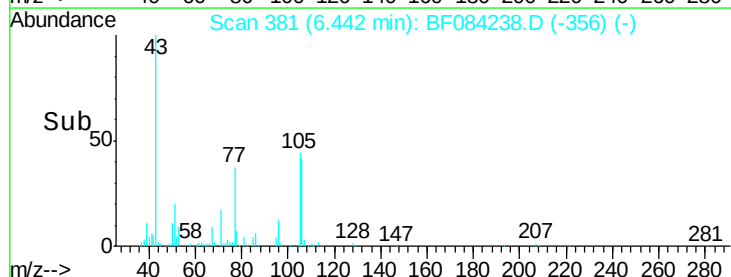
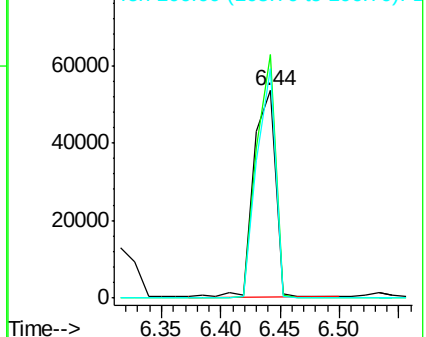
106 110.7 74.6 114.6

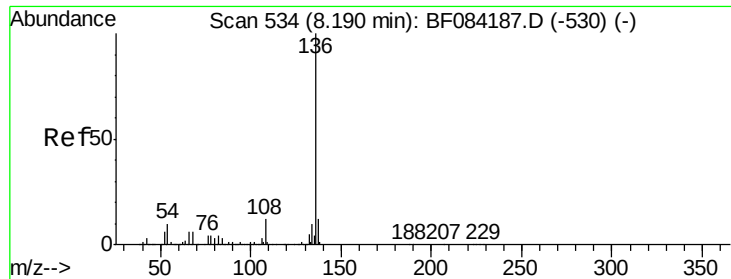


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

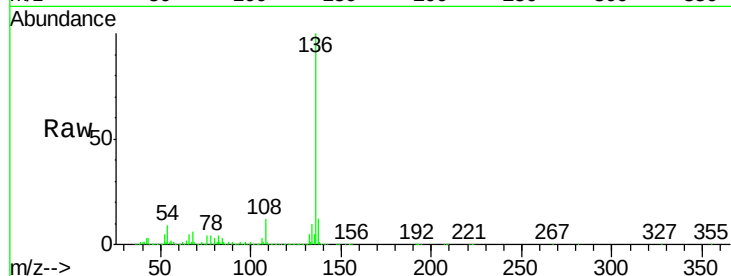




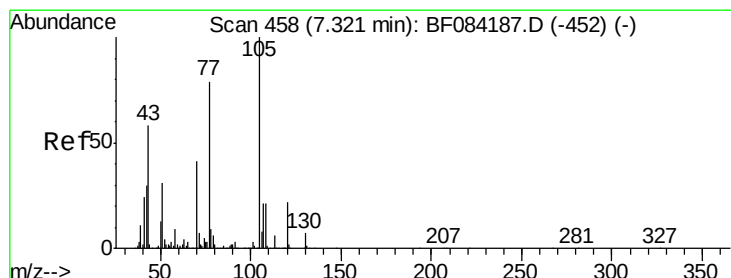
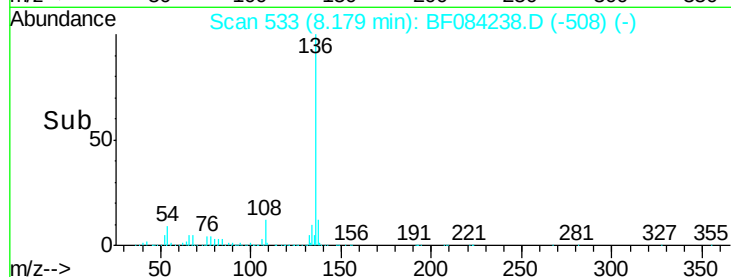
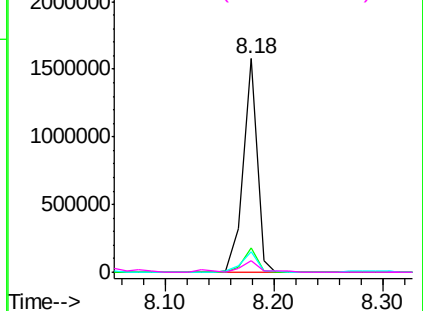
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084238.D
Acq: 4 Jan 2016 14:55

Instrument :
BNA_F
ClientSampleId :
S8-0532

Tgt Ion:	136	Resp:	1366434
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.7	13.1
54	9.3	5.8	8.8#
68	5.6	4.2	6.2

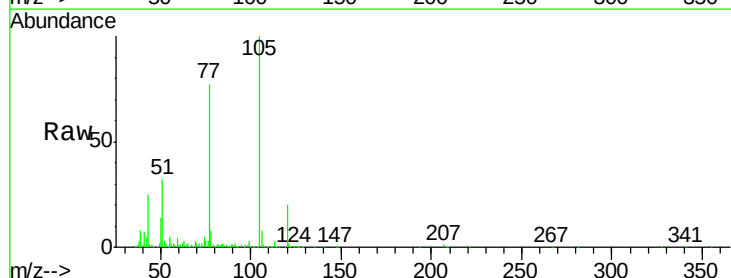


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

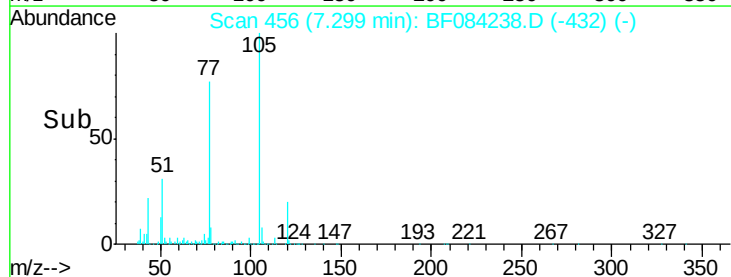
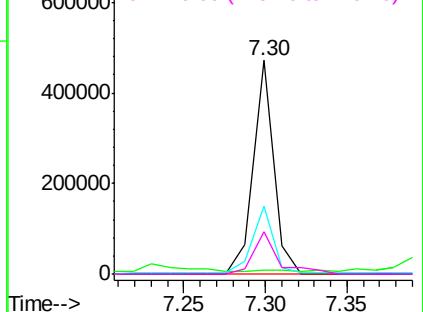


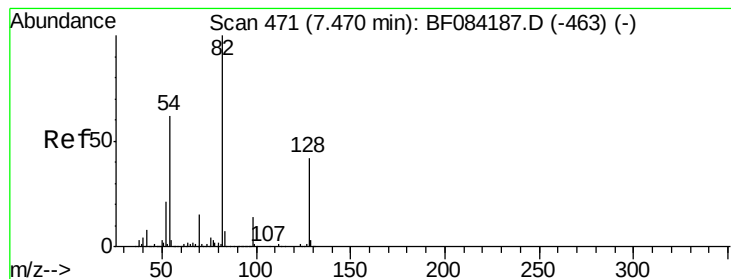
#22
Acetophenone
Concen: 12.54 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF084238.D
Acq: 4 Jan 2016 14:55

Tgt Ion:	105	Resp:	412104
Ion	Ratio	Lower	Upper
105	100		
71	1.6	3.7	5.5#
51	31.7	25.1	37.7
120	19.5	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: 80.40 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

Instrument :

BNA_F

ClientSampleId :

S8-0532

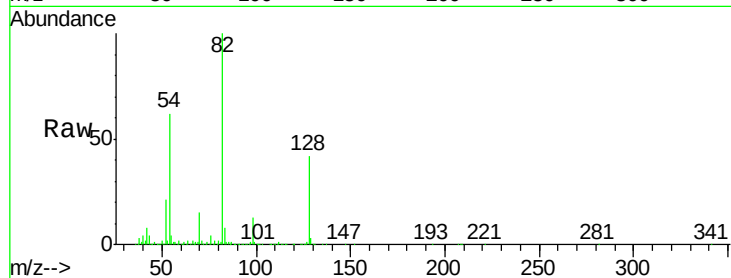
Tgt Ion: 82 Resp: 1973950

Ion Ratio Lower Upper

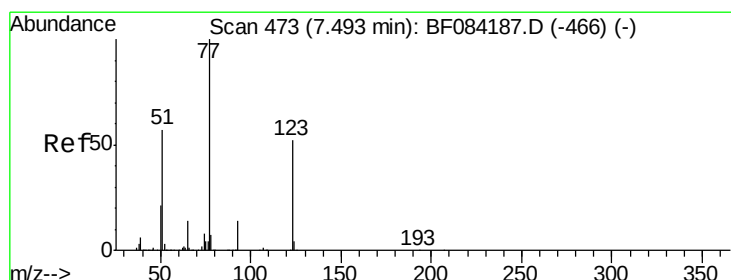
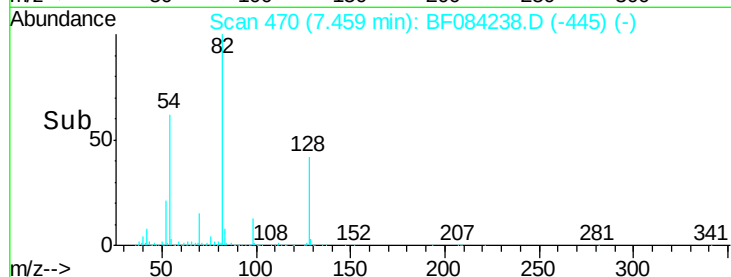
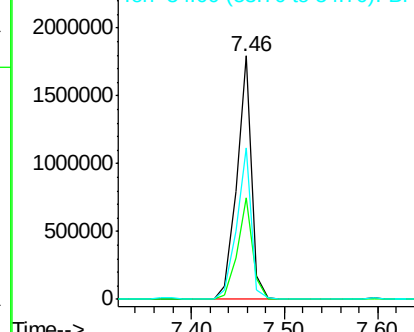
82 100

128 41.7 34.6 51.8

54 62.3 38.4 57.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 12.51 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.19 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

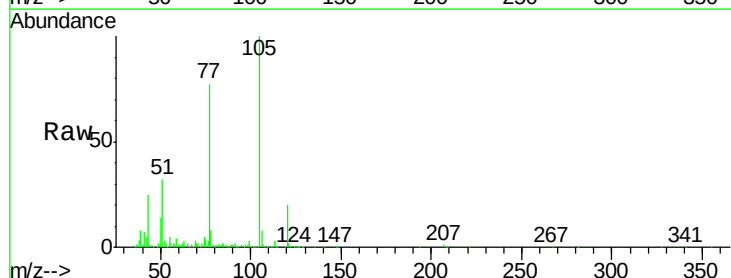
Tgt Ion: 77 Resp: 311421

Ion Ratio Lower Upper

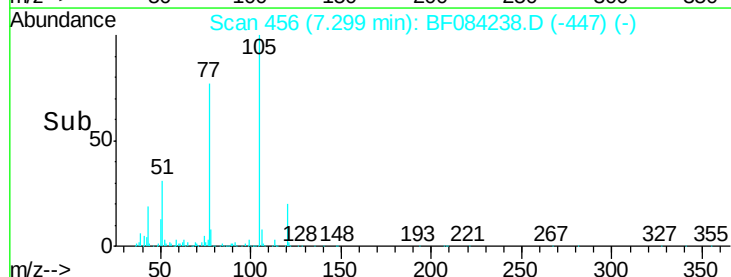
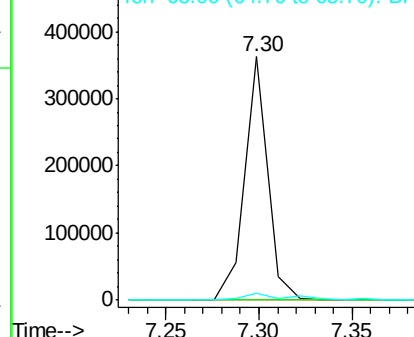
77 100

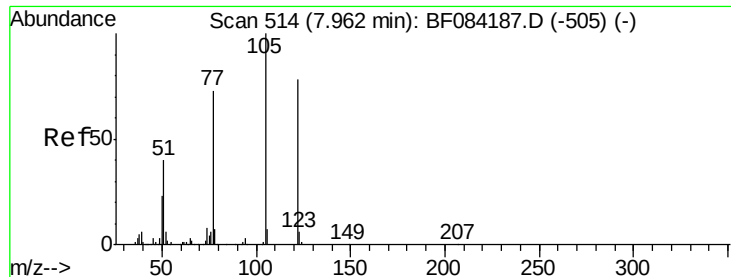
123 0.0 37.4 56.2#

65 2.8 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#32

Benzoic acid

Concen: 6.45 ng

RT: 7.98 min Scan# 516

Delta R.T. 0.02 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

Instrument :

BNA_F

ClientSampleId :

S8-0532

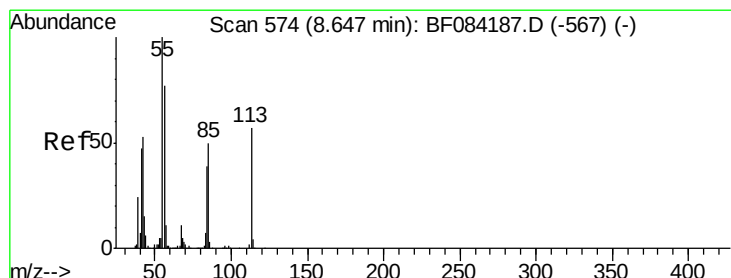
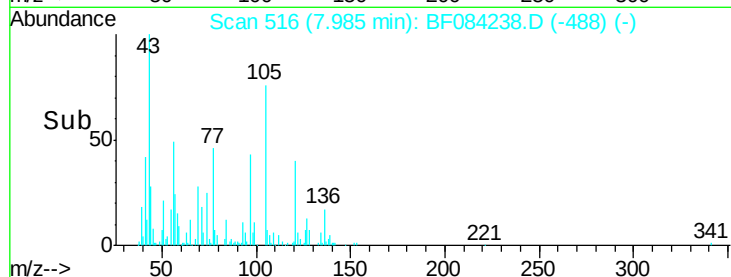
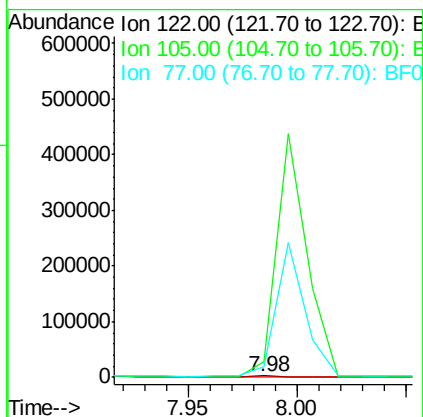
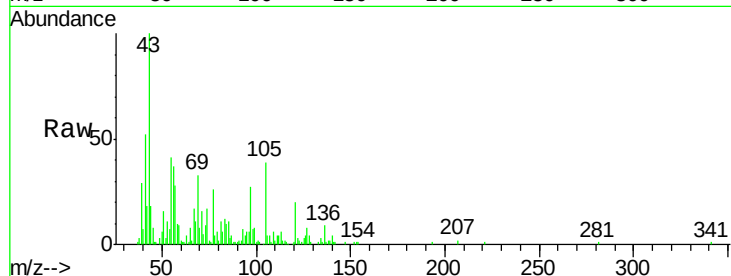
Tgt Ion:122 Resp: 3373

Ion Ratio Lower Upper

122 100

105 1182.9 100.3 140.3#

77 775.6 63.5 103.5#



#35

Caprolactam

Concen: 9.18 ng

RT: 8.67 min Scan# 576

Delta R.T. 0.02 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

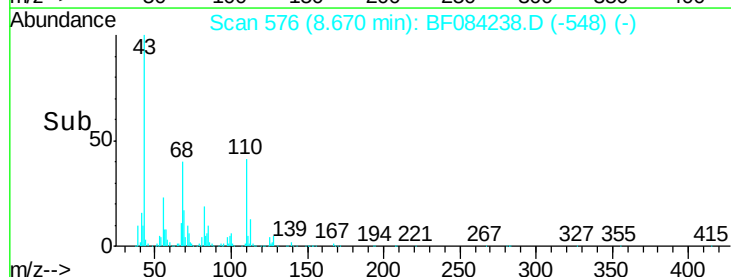
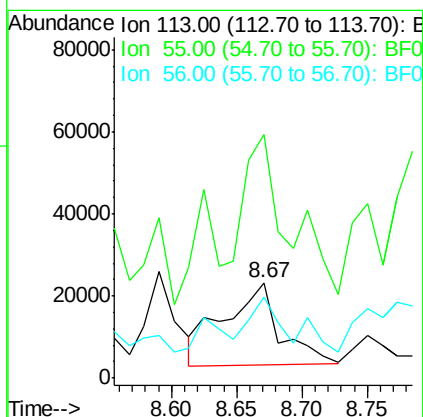
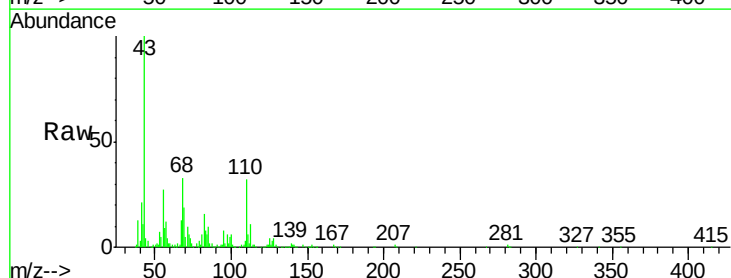
Tgt Ion:113 Resp: 59147

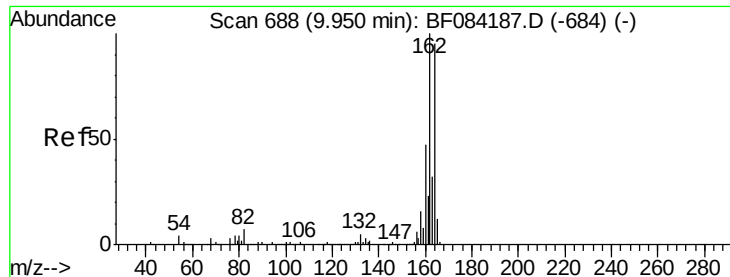
Ion Ratio Lower Upper

113 100

55 255.9 116.9 156.9#

56 85.5 93.8 133.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

Instrument :

BNA_F

ClientSampleId :

S8-0532

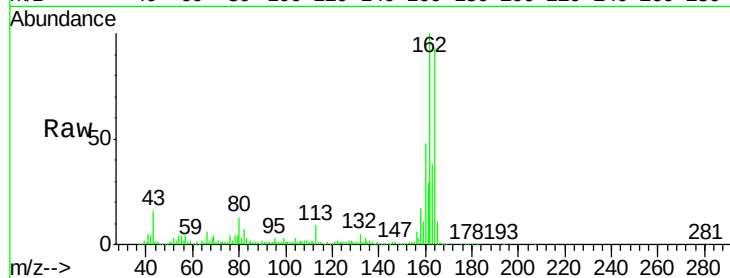
Tgt Ion:164 Resp: 611540

Ion Ratio Lower Upper

164 100

162 107.3 85.1 127.7

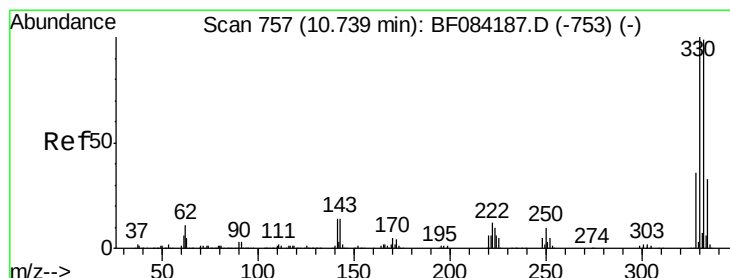
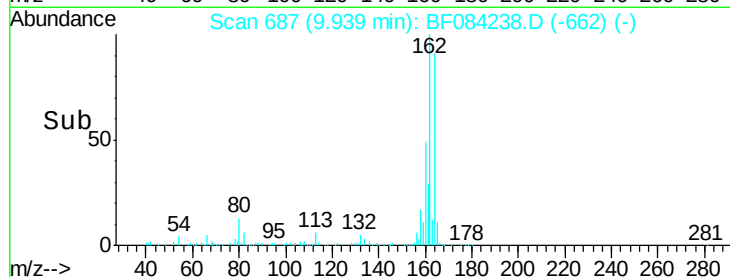
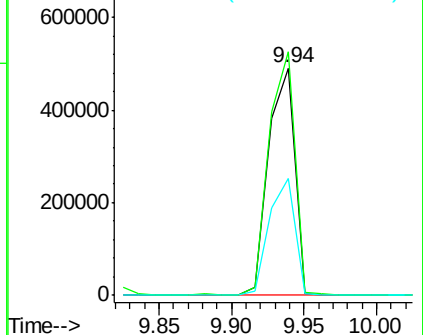
160 51.8 37.5 56.3



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: 114.70 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

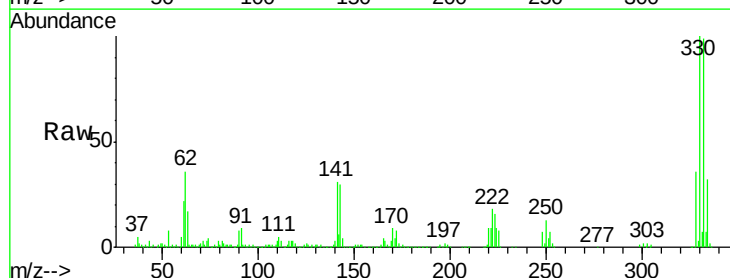
Tgt Ion:330 Resp: 708131

Ion Ratio Lower Upper

330 100

332 97.4 76.6 114.8

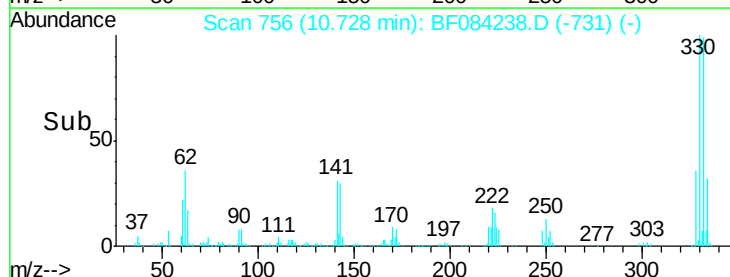
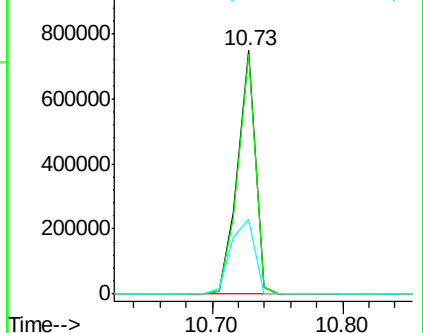
141 40.7 27.8 41.6

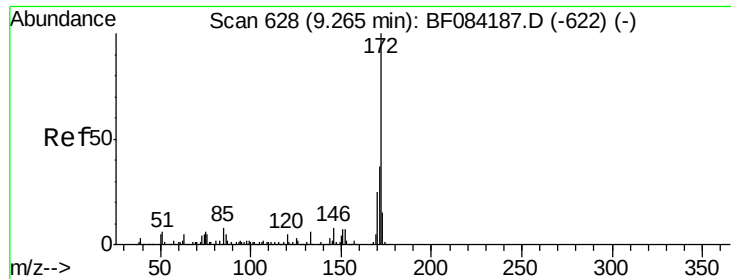


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

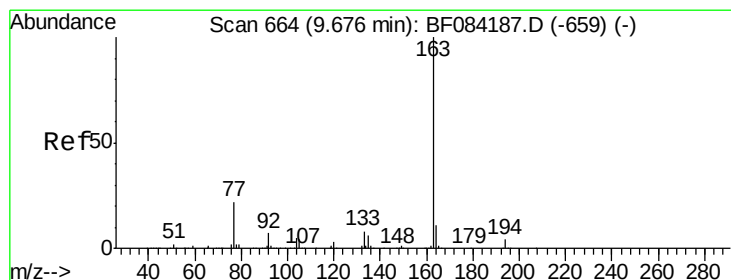
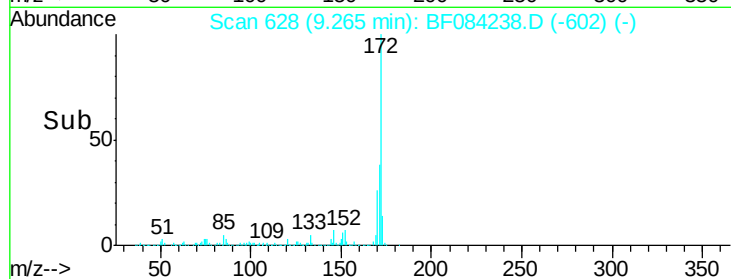
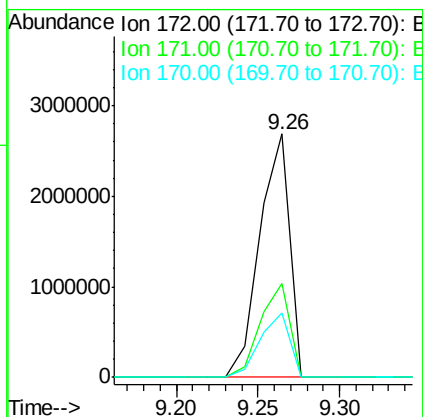
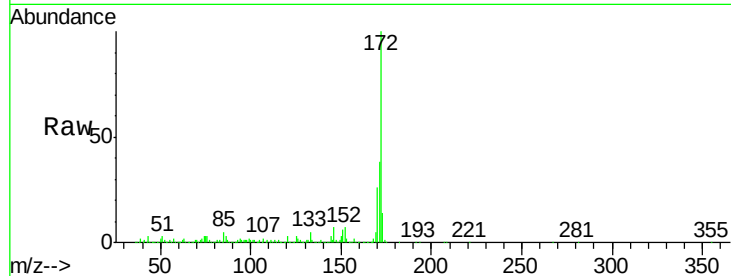




#44
2-Fluorobiphenyl
Concen: 99.13 ng
RT: 9.26 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF084238.D
Acq: 4 Jan 2016 14:55

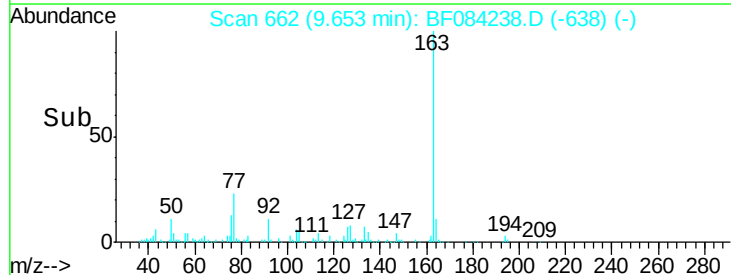
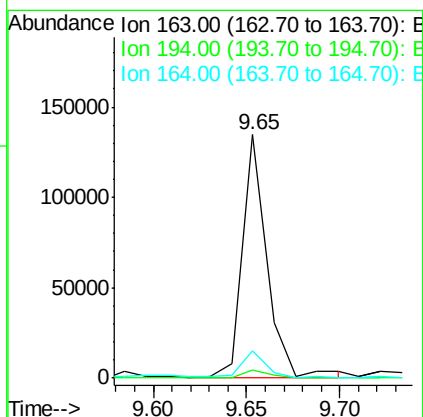
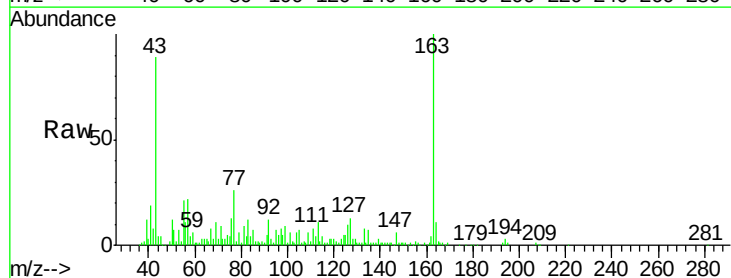
Instrument :
BNA_F
ClientSampleId :
S8-0532

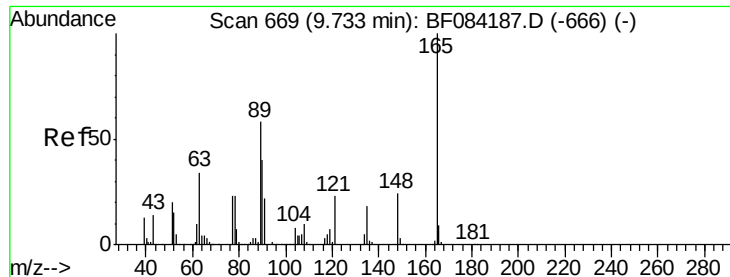
Tgt Ion:172 Resp: 3409388
Ion Ratio Lower Upper
172 100
171 38.4 28.9 43.3
170 26.5 18.6 27.8



#49
Dimethylphthalate
Concen: 2.81 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF084238.D
Acq: 4 Jan 2016 14:55

Tgt Ion:163 Resp: 122666
Ion Ratio Lower Upper
163 100
194 3.1 8.0 12.0#
164 11.3 8.0 12.0

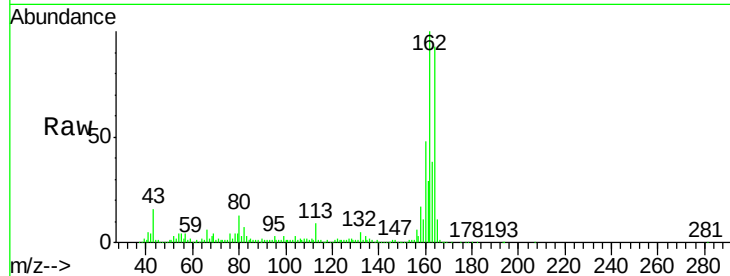




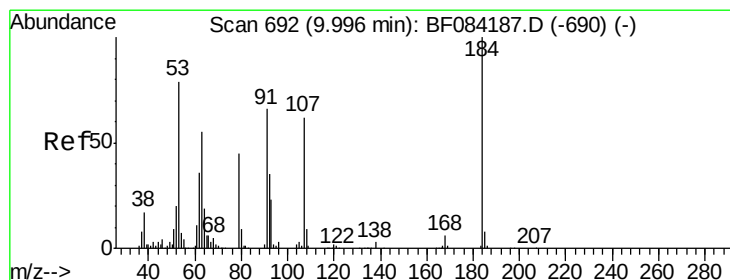
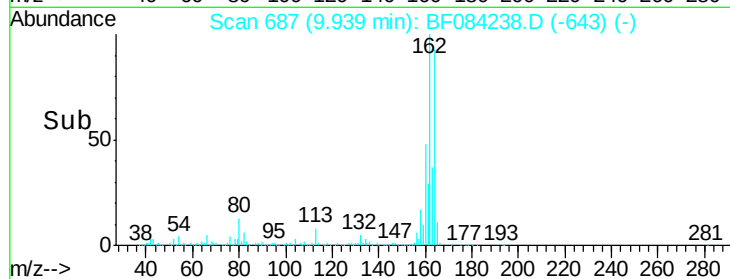
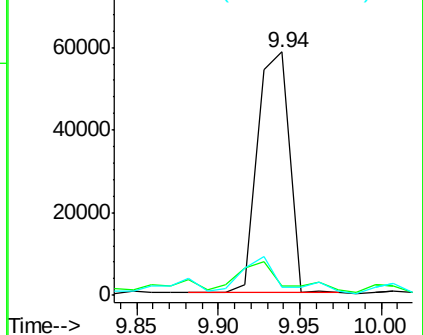
#50
2,6-Dinitrotoluene
Concen: 8.23 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.21 min
Lab File: BF084238.D
Acq: 4 Jan 2016 14:55

Instrument :
BNA_F
ClientSampleId :
S8-0532

Tgt Ion:165 Resp: 78937
Ion Ratio Lower Upper
165 100
63 3.9 28.8 43.2#
89 3.1 35.1 52.7#

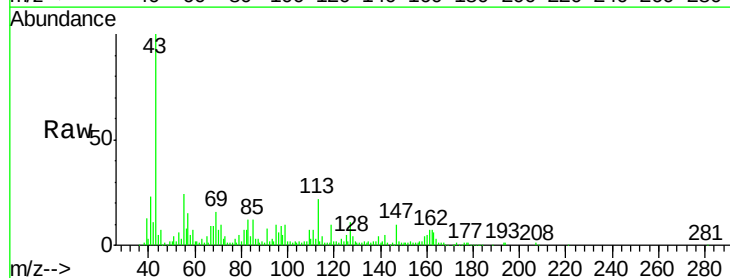


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

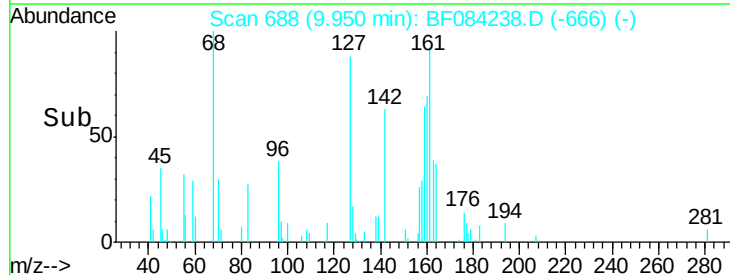
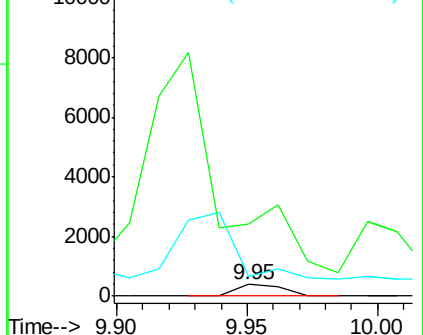


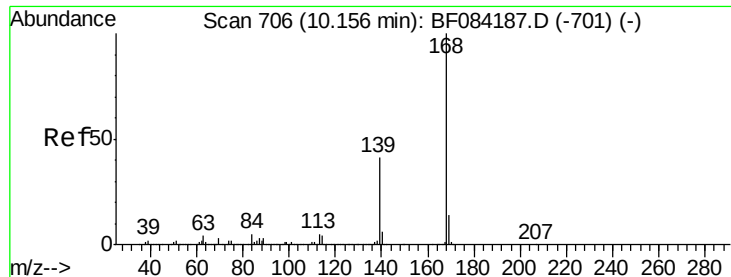
#53
2,4-Dinitrophenol
Concen: 3.67 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.05 min
Lab File: BF084238.D
Acq: 4 Jan 2016 14:55

Tgt Ion:184 Resp: 473
Ion Ratio Lower Upper
184 100
63 624.8 43.1 64.7#
154 173.1 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: 10.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

Instrument :

BNA_F

ClientSampleId :

S8-0532

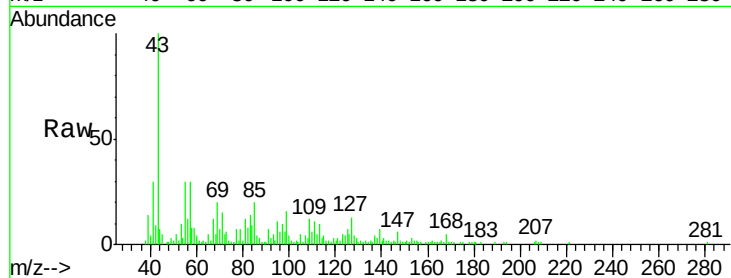
Tgt Ion:168 Resp: 4340

Ion Ratio Lower Upper

168 100

139 151.0 30.5 45.7#

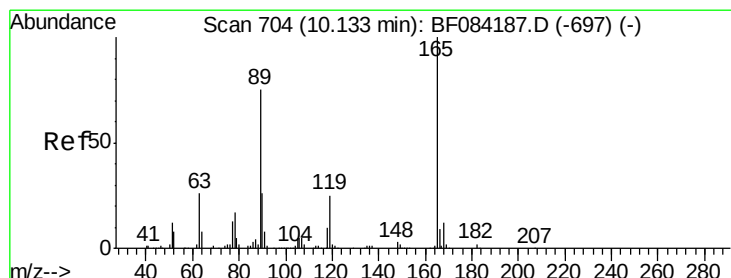
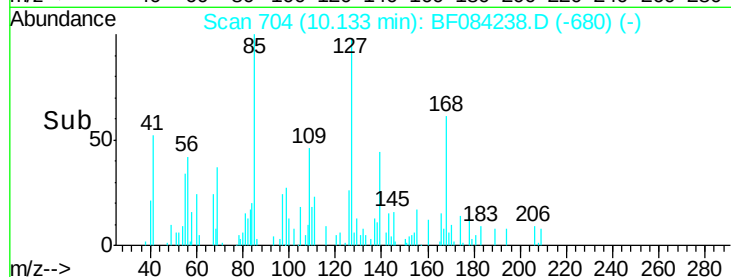
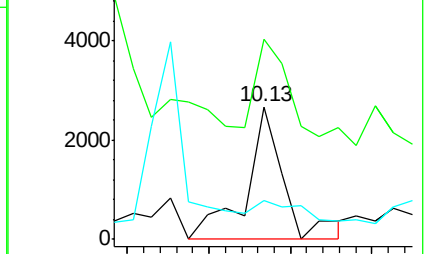
169 28.9 10.4 15.6#



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



#56

2,4-Dinitrotoluene

Concen: 6.57 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.19 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

Tgt Ion:165 Resp: 79745

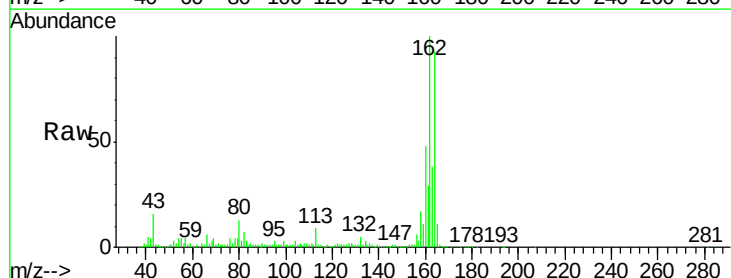
Ion Ratio Lower Upper

165 100

63 3.9 36.7 55.1#

89 3.1 61.9 92.9#

182 0.5 2.0 3.0#

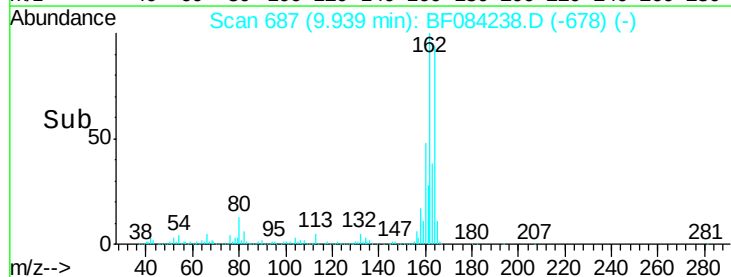
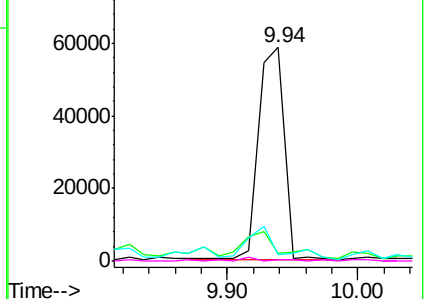


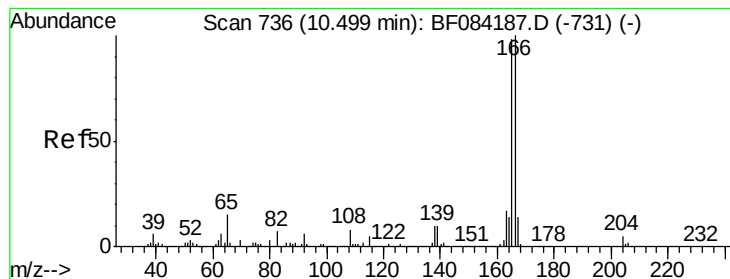
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

Instrument :

BNA_F

ClientSampled :

S8-0532

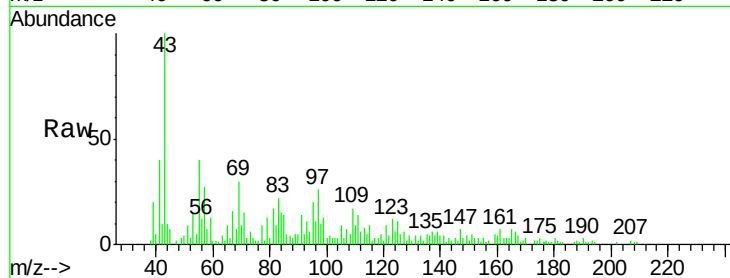
Tgt Ion:166 Resp: 1482

Ion Ratio Lower Upper

166 100

165 109.7 79.1 118.7

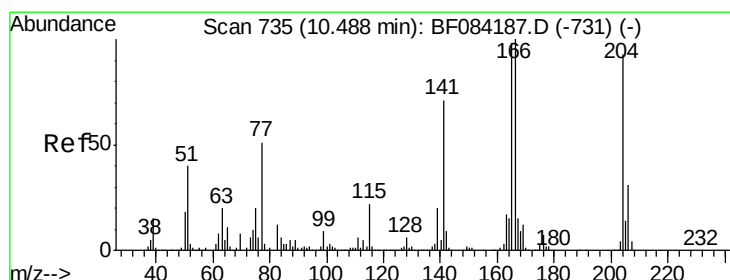
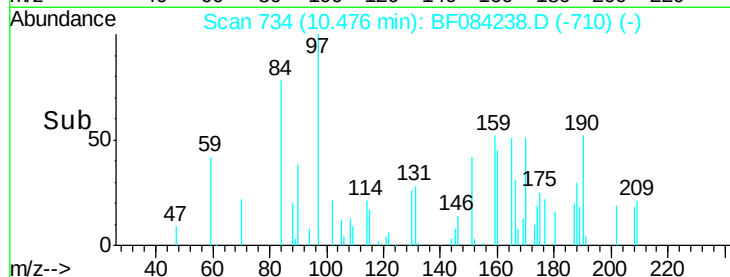
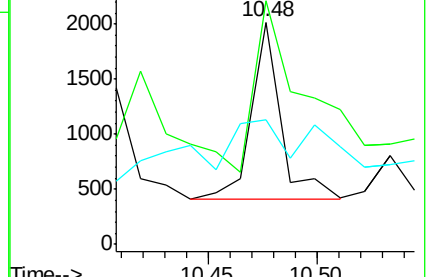
167 56.0 10.4 15.6#



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: 10.50 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

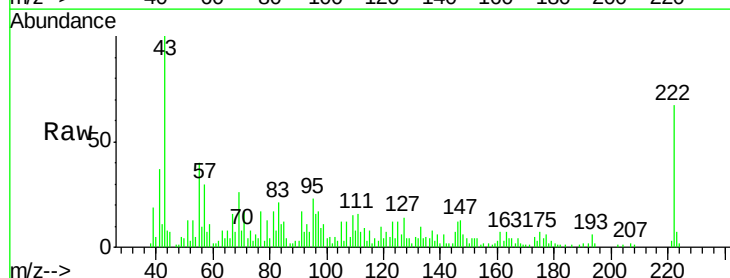
Tgt Ion:204 Resp: 276

Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

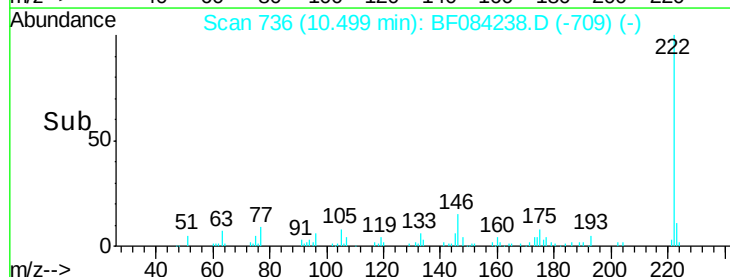
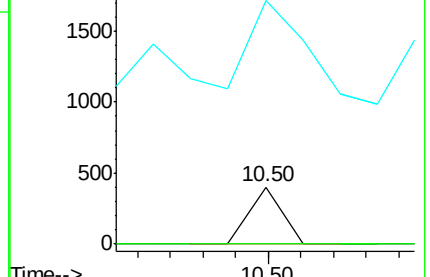
141 426.1 55.1 82.7#

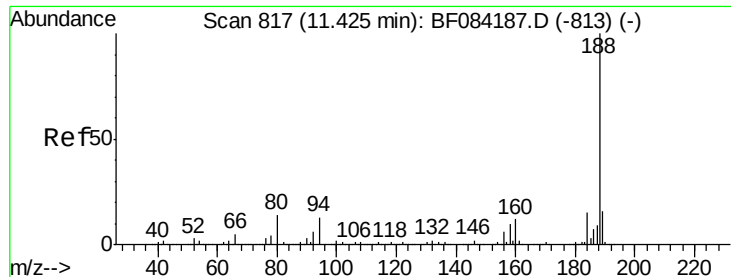


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

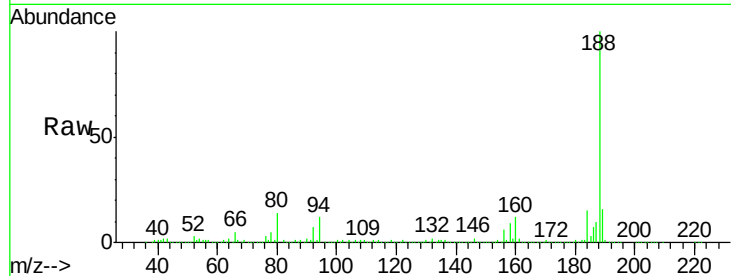




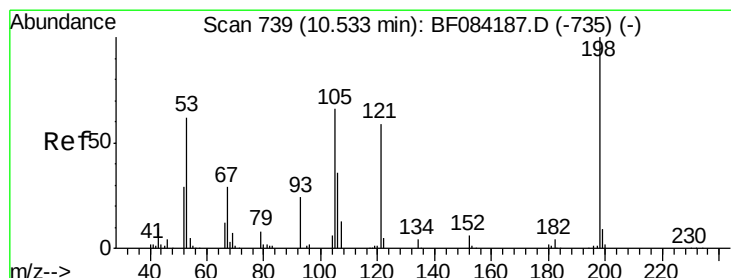
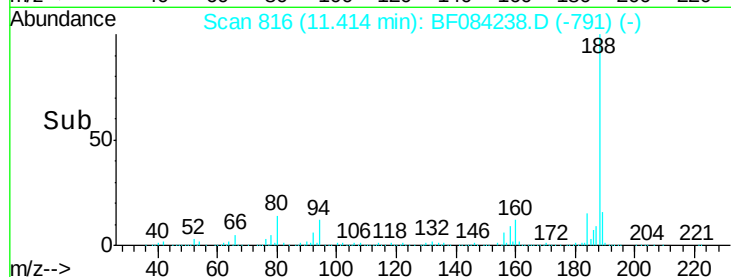
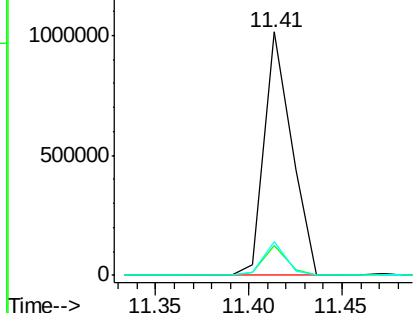
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF084238.D
Acq: 4 Jan 2016 14:55

Instrument :
BNA_F
ClientSampleId :
S8-0532

Tgt Ion:188 Resp: 1029318
Ion Ratio Lower Upper
188 100
94 12.4 9.0 13.4
80 14.1 9.6 14.4

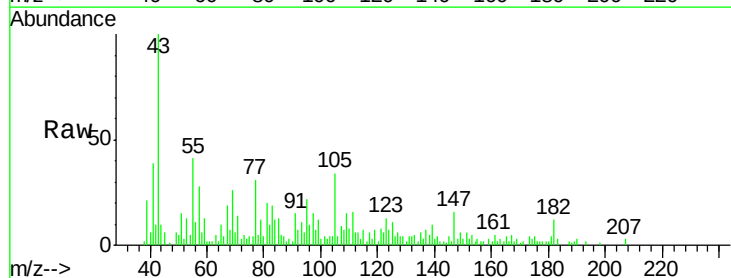


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

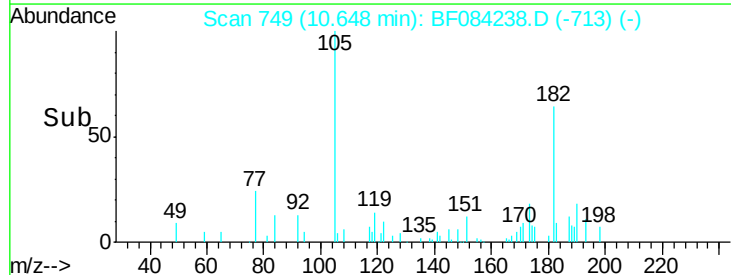
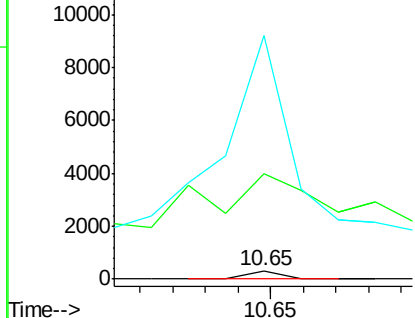


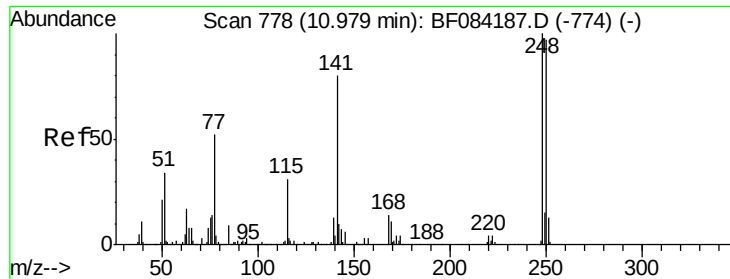
#64
4,6-Dinitro-2-methylphenol
Concen: 6.45 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.11 min
Lab File: BF084238.D
Acq: 4 Jan 2016 14:55

Tgt Ion:198 Resp: 218
Ion Ratio Lower Upper
198 100
51 1254.4 18.9 58.9#
105 2897.5 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

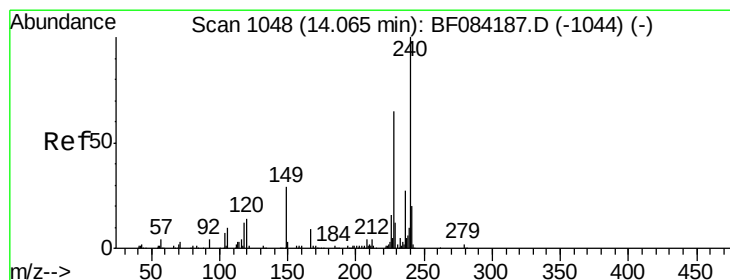
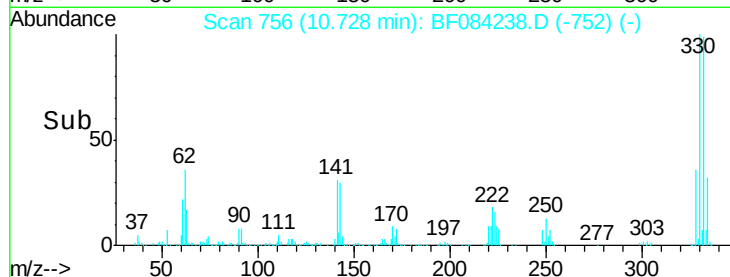
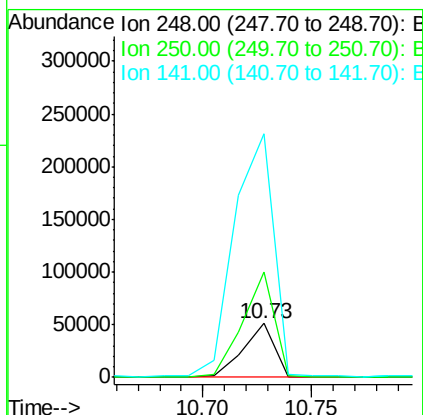
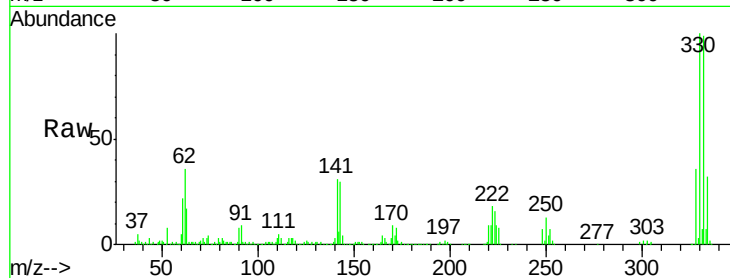




#66
 4-Bromophenyl-phenylether
 Concen: 4.55 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF084238.D
 Acq: 4 Jan 2016 14:55

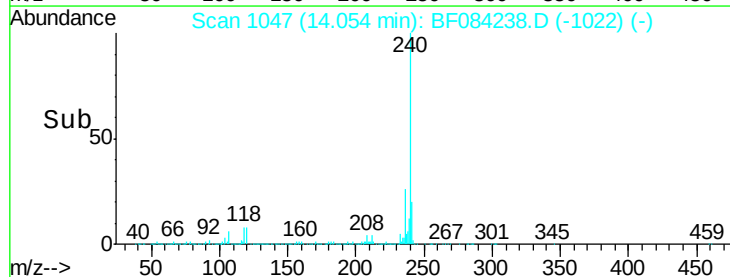
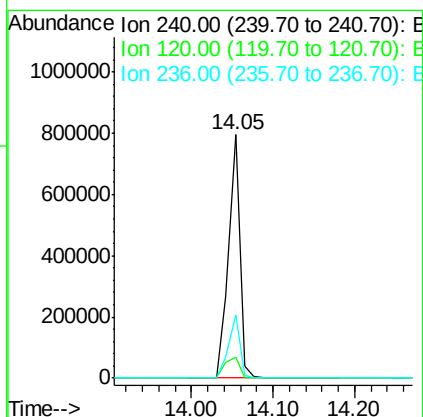
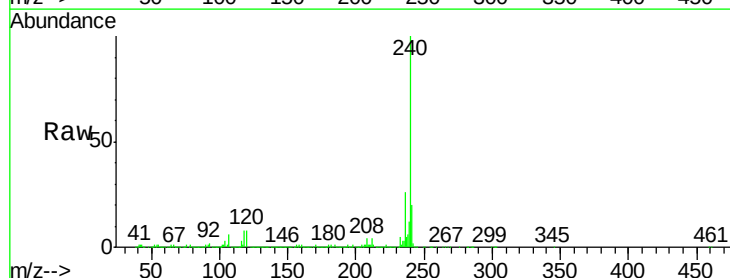
Instrument :
 BNA_F
 ClientSampleId :
 S8-0532

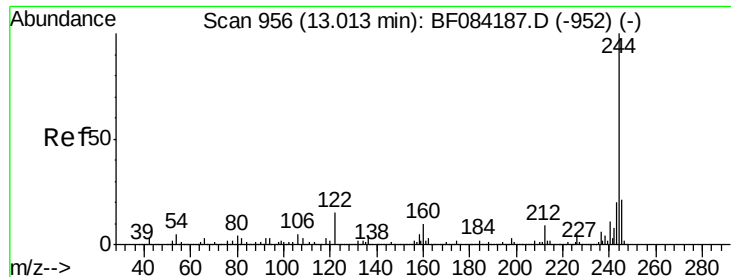
Tgt Ion:248 Resp: 50357
 Ion Ratio Lower Upper
 248 100
 250 195.6 78.4 117.6#
 141 452.5 44.0 66.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF084238.D
 Acq: 4 Jan 2016 14:55

Tgt Ion:240 Resp: 765361
 Ion Ratio Lower Upper
 240 100
 120 8.3 9.5 14.3#
 236 25.9 20.6 31.0





#78

Terphenyl-d14

Concen: 84.34 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084238.D

Acq: 4 Jan 2016 14:55

Instrument :

BNA_F

ClientSampleId :

S8-0532

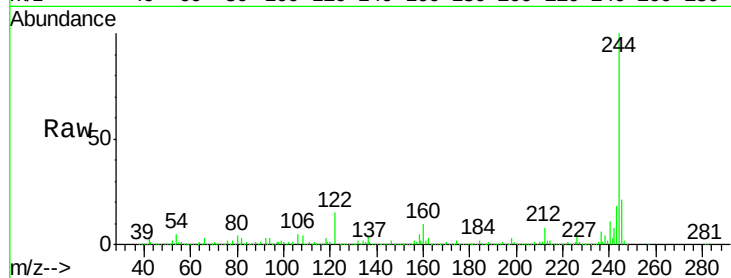
Tgt Ion:244 Resp: 2891756

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

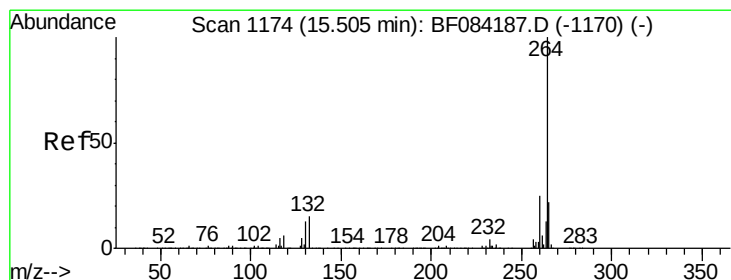
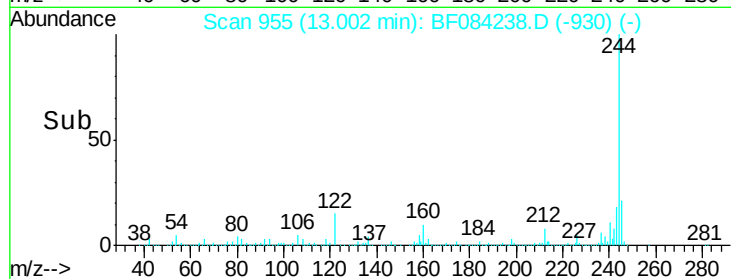
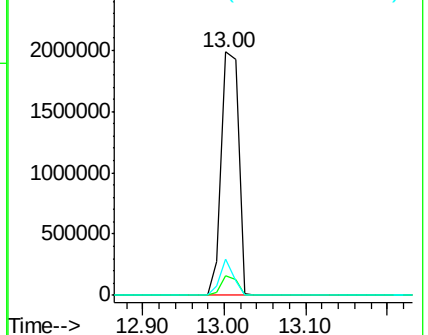
122 14.9 7.4 11.0#



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: BF084238.D

Acq: 4 Jan 2016 14:55

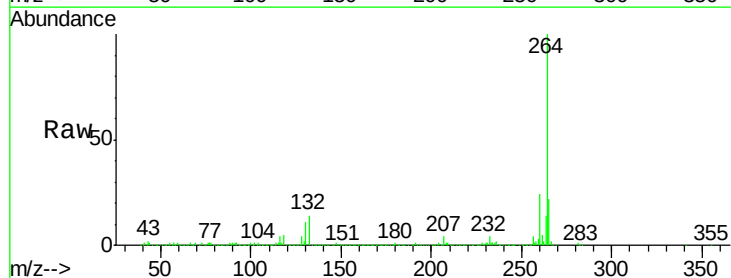
Tgt Ion:264 Resp: 516868

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.6 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

