

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084220.D
 Acq On : 1 Jan 2016 2:57
 Operator : UM/SJ
 Sample : G4982-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0536

Quant Time: Jan 01 23:49:37 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	283865	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1089708	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	522417	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	766049	20.00	ng	0.01
75) Chrysene-d12	14.07	240	578263	20.00	ng	0.00
86) Perylene-d12	15.51	264	572234	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1221773	69.62	ng	0.01
7) Phenol-d6	6.54	99	1050186	47.65	ng	0.01
23) Nitrobenzene-d5	7.47	82	1823957	93.16	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	591194	112.09	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	2991644	102.00	ng	0.01
78) Terphenyl-d14	13.01	244	1691269	65.29	ng	0.00

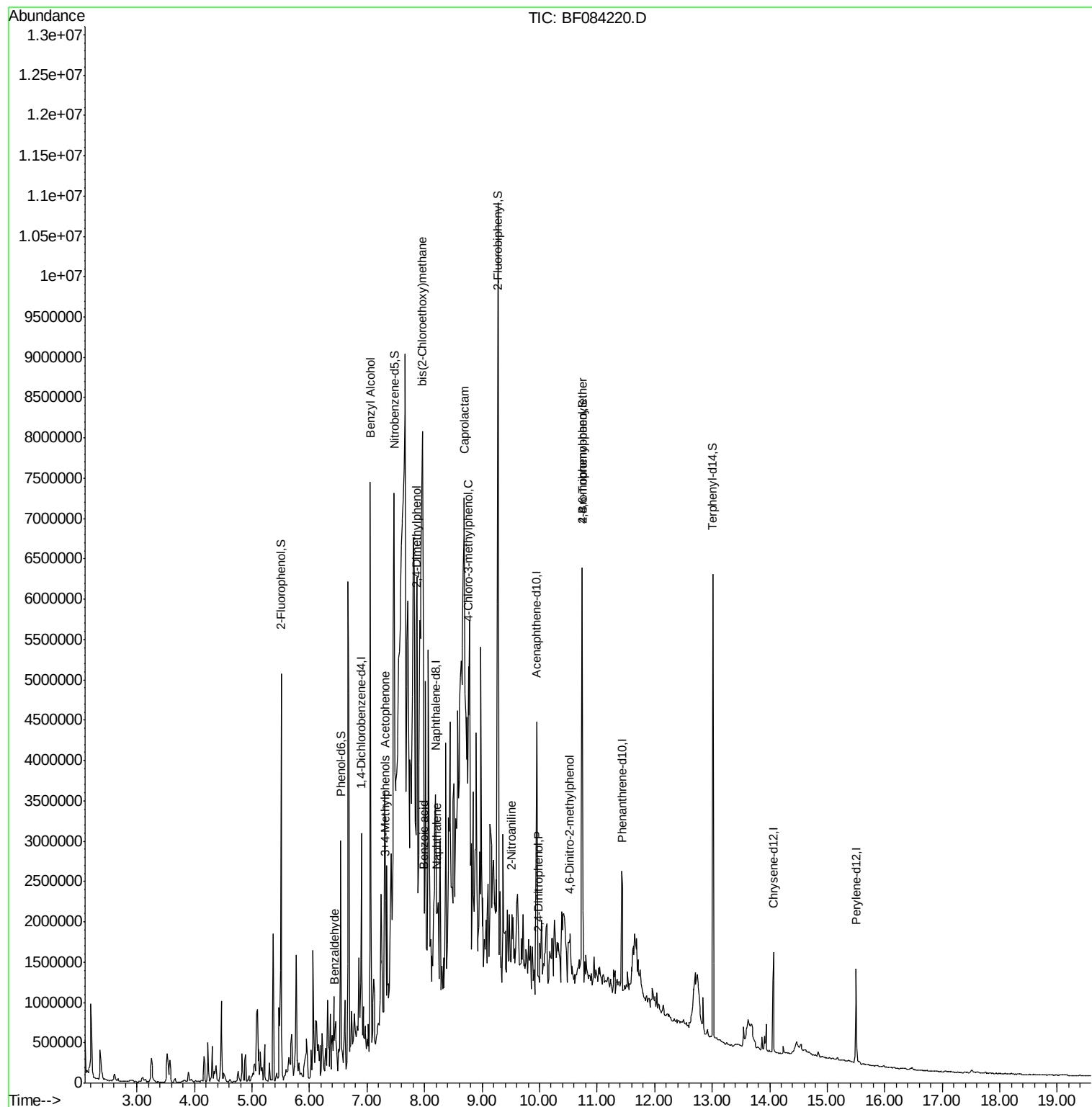
Target Compounds						Qvalue
9) Benzaldehyde	6.44	77	132521	9.23	ng	88
15) Benzyl Alcohol	7.06	79	48523	2.62	ng	# 52
20) 3+4-Methylphenols	7.32	107	85117	4.34	ng	# 1
22) Acetophenone	7.31	105	930967	35.53	ng	# 94
27) 2,4-Dimethylphenol	7.86	122	501510	27.41	ng	98
28) bis(2-Chloroethoxy)methane	7.96	93	125411	5.48	ng	# 47
31) Naphthalene	8.21	128	339891	6.87	ng	99
32) Benzoic acid	8.00	122	214040	22.07	ng	# 30
35) Caprolactam	8.69	113	256601	49.95	ng	# 1
36) 4-Chloro-3-methylphenol	8.76	107	72635	4.26	ng	# 25
47) 2-Nitroaniline	9.52	65	40167	3.73	ng	# 45
53) 2,4-Dinitrophenol	9.98	184	1265	3.90	ng	# 1
54) Dibenzofuran	10.16	168	6414	Below Cal	#	1
57) Fluorene	10.49	166	3427	Below Cal	#	71
60) 4-Chlorophenyl-phenylether	10.48	204	2926	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.52	198	836	6.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.74	248	38349	4.65	ng	# 1
73) Di-n-butylphthalate	12.00	149	6383	Below Cal	#	34

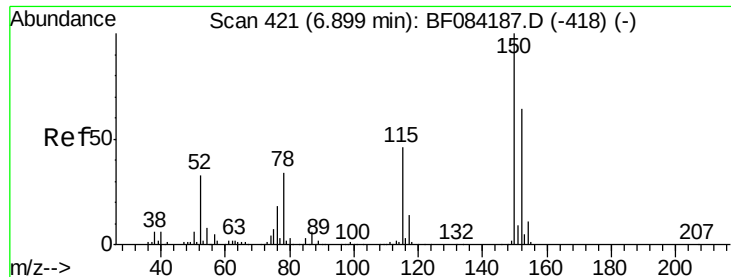
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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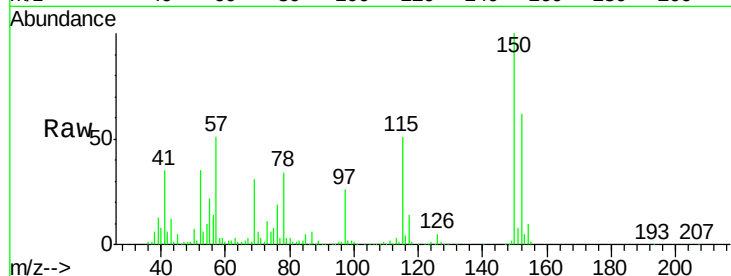


#1

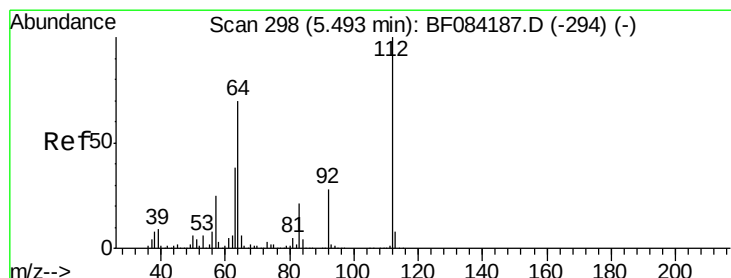
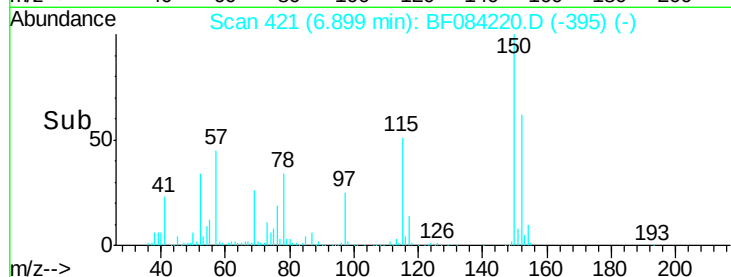
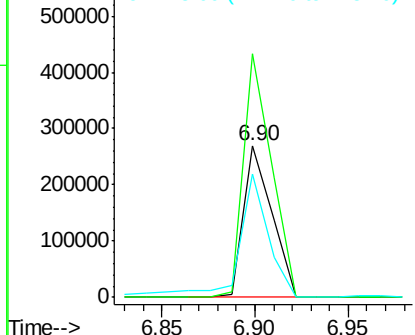
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF084220.D
Acq: 1 Jan 2016 2:57

Instrument :
BNA_F
ClientSampleId :
S8-0536

Tgt Ion:152 Resp: 283865
Ion Ratio Lower Upper
152 100
150 160.1 123.0 184.4
115 81.4 51.4 77.2#



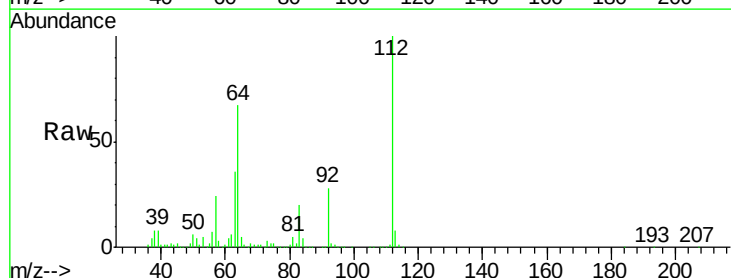
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



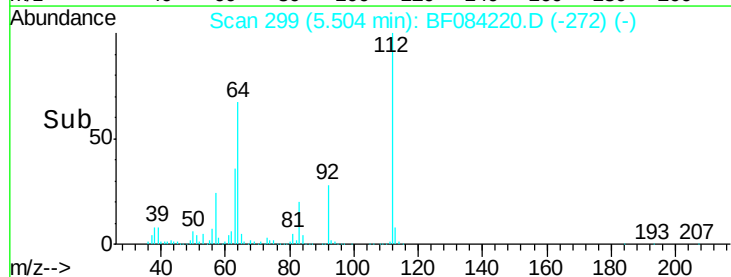
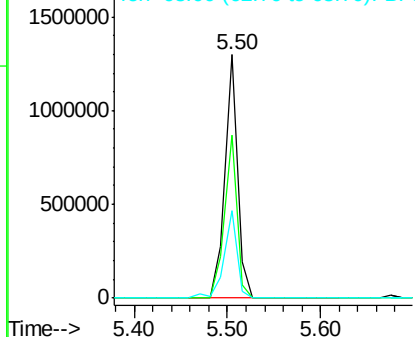
#5

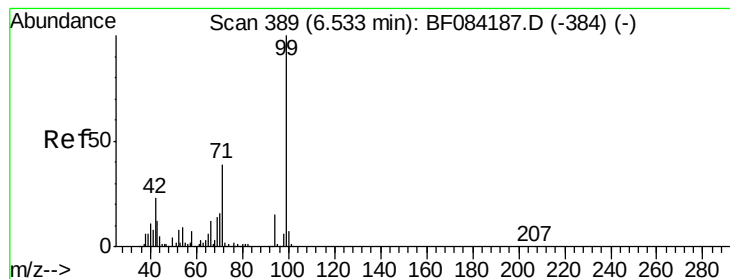
2-Fluorophenol
Concen: 69.62 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.01 min
Lab File: BF084220.D
Acq: 1 Jan 2016 2:57

Tgt Ion:112 Resp: 1221773
Ion Ratio Lower Upper
112 100
64 67.2 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: 47.65 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

Instrument :

BNA_F

ClientSampleId :

S8-0536

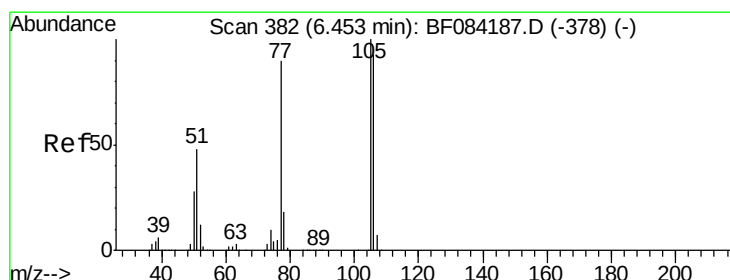
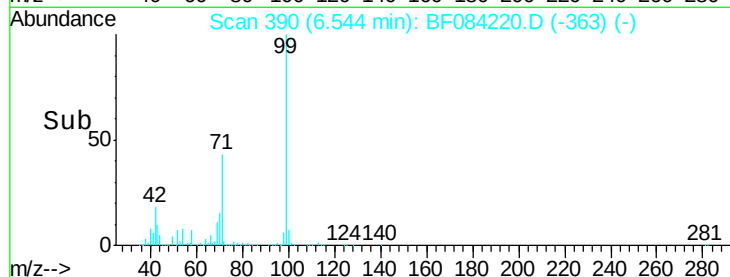
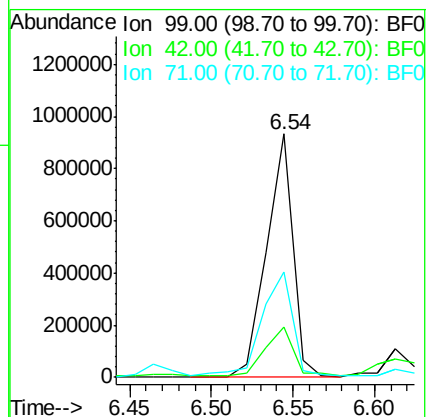
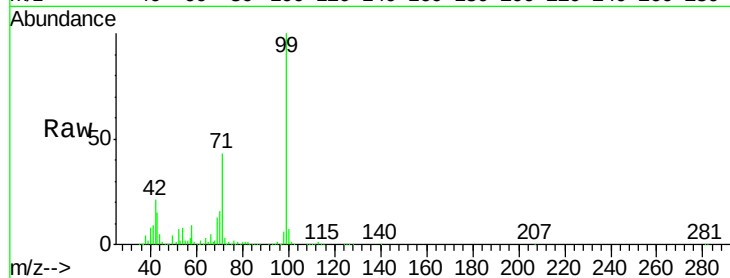
Tgt Ion: 99 Resp: 1050186

Ion Ratio Lower Upper

99 100

42 20.8 12.8 19.2#

71 43.5 30.9 46.3



#9

Benzaldehyde

Concen: 9.23 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

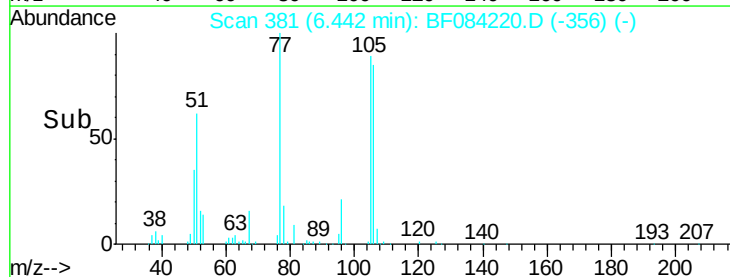
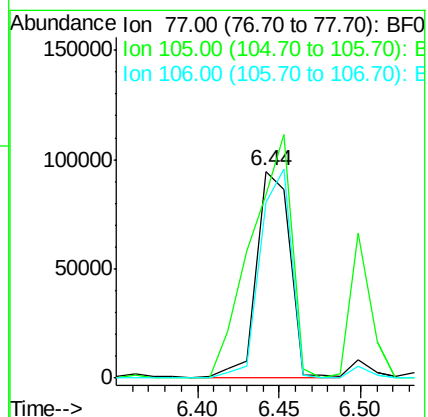
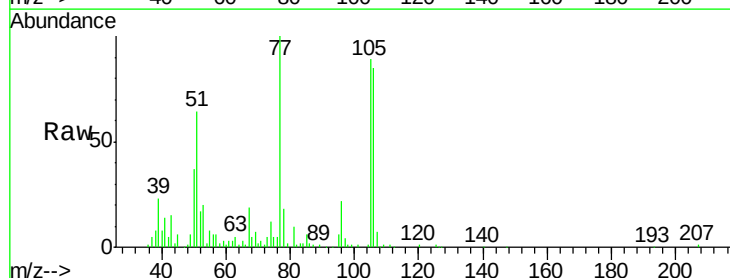
Tgt Ion: 77 Resp: 132521

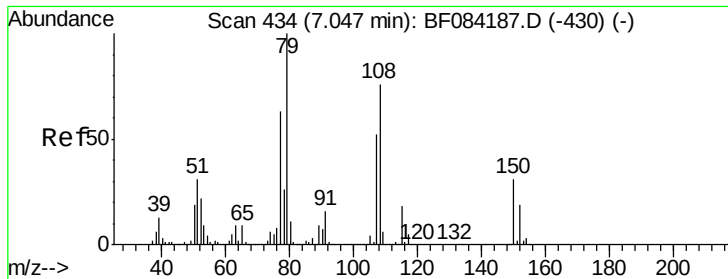
Ion Ratio Lower Upper

77 100

105 88.8 83.0 123.0

106 84.8 74.6 114.6





#15

Benzyl Alcohol

Concen: 2.62 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.01 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

Instrument :

BNA_F

ClientSampled :

S8-0536

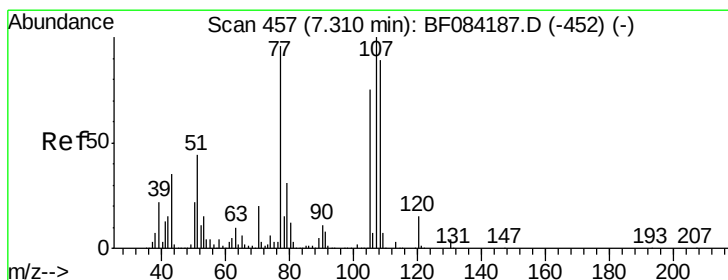
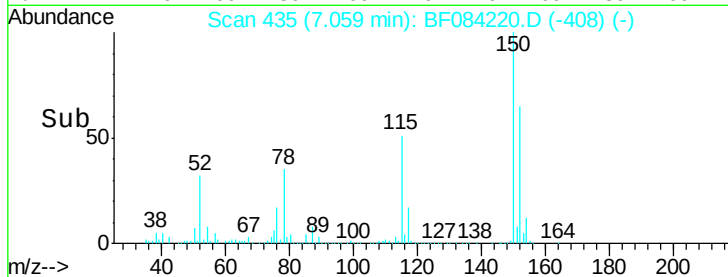
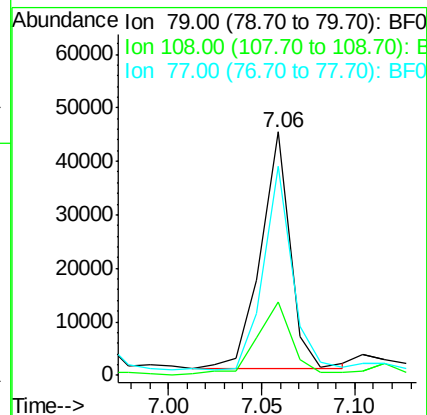
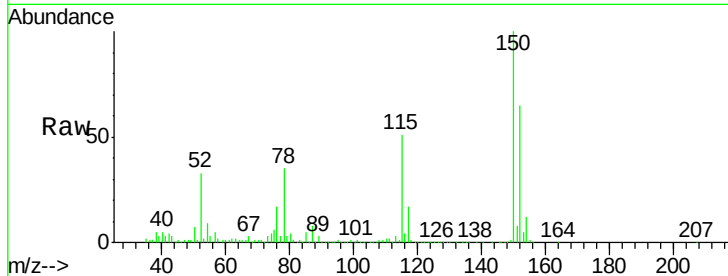
Tgt Ion: 79 Resp: 48523

Ion Ratio Lower Upper

79 100

108 30.1 69.0 103.4#

77 86.1 50.0 75.0#



#20

3+4-Methylphenols

Concen: 4.34 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.01 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

Tgt Ion: 107 Resp: 85117

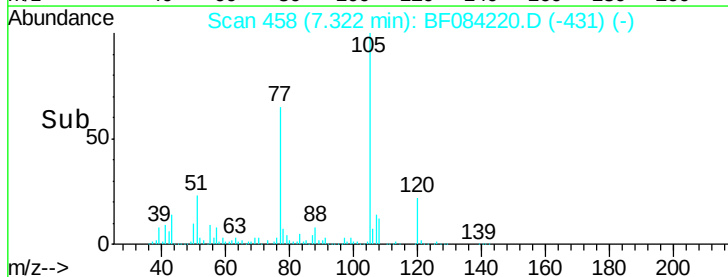
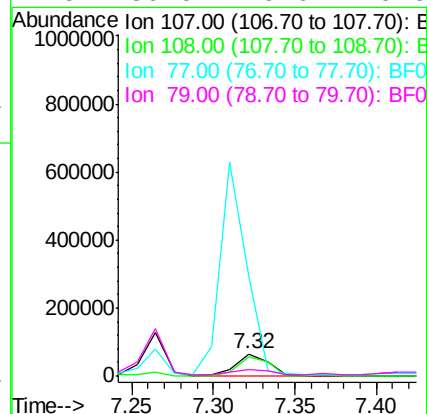
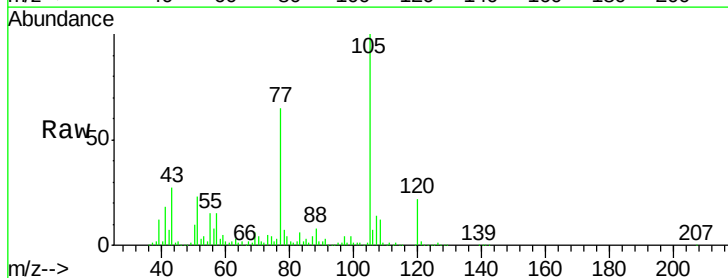
Ion Ratio Lower Upper

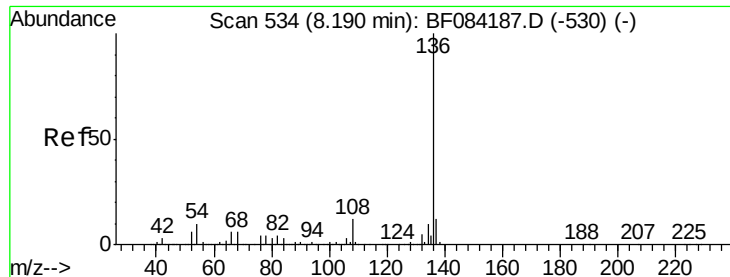
107 100

108 86.6 64.1 104.1

77 457.2 128.9 168.9#

79 30.0 9.6 49.6



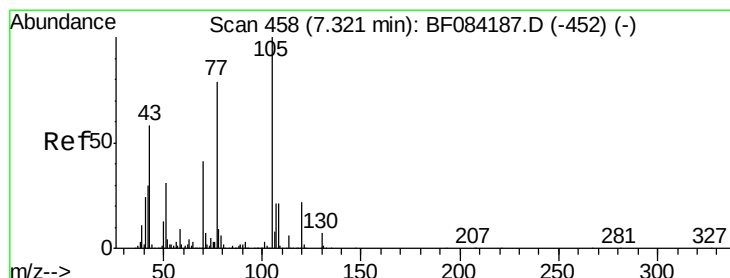
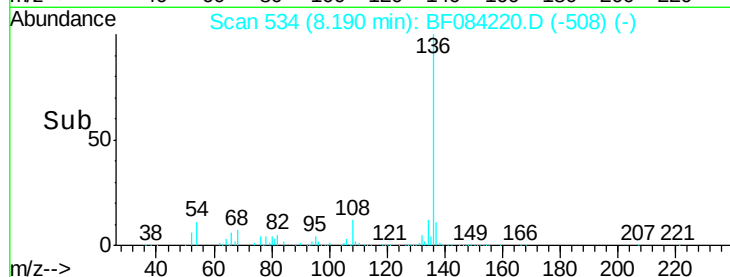
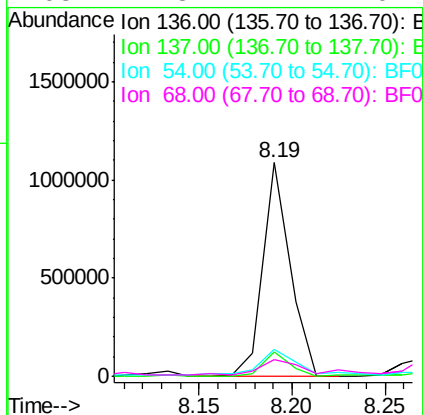
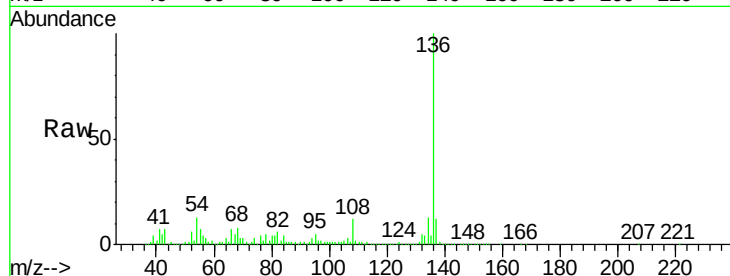


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF084220.D
Acq: 1 Jan 2016 2:57

Instrument :
BNA_F
ClientSampleId :
S8-0536

Tgt Ion:136 Resp: 1089708

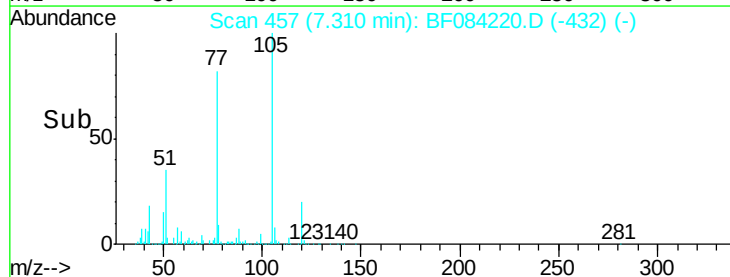
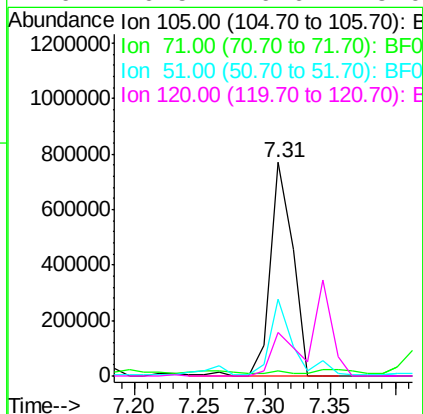
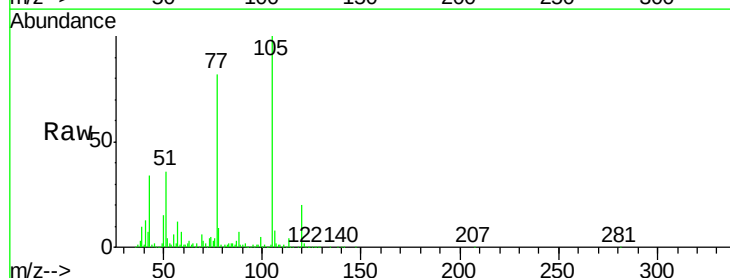
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	12.6	5.8	8.8#
68	7.8	4.2	6.2#

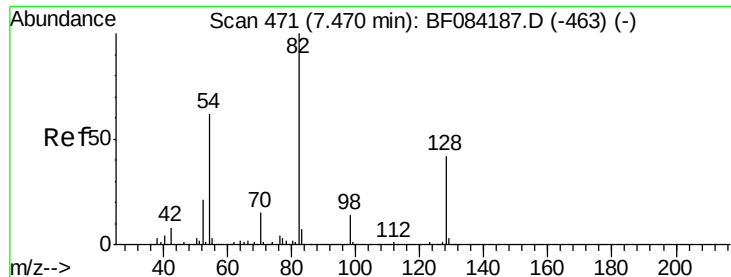


#22
Acetophenone
Concen: 35.53 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF084220.D
Acq: 1 Jan 2016 2:57

Tgt Ion:105 Resp: 930967

Ion	Ratio	Lower	Upper
105	100		
71	2.3	3.7	5.5#
51	36.1	25.1	37.7
120	20.5	16.6	25.0

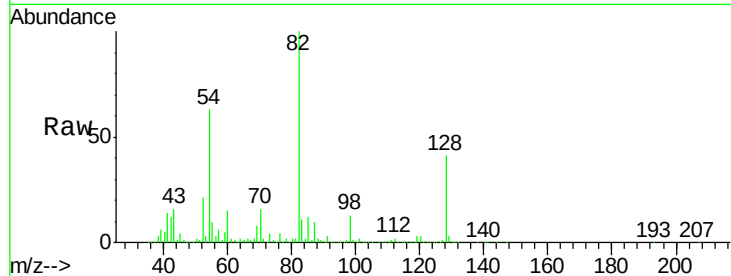




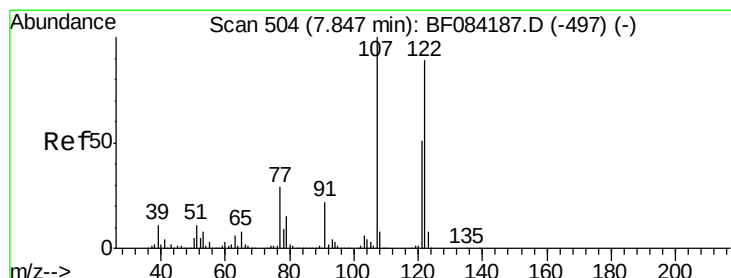
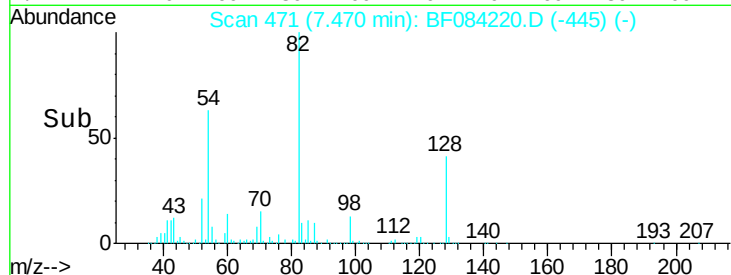
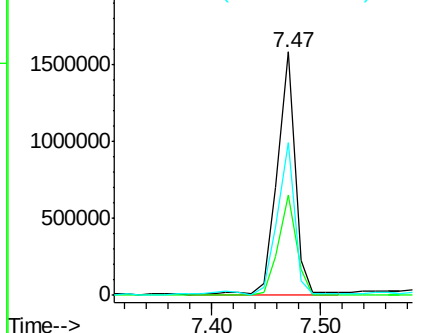
#23
 Nitrobenzene-d5
 Concen: 93.16 ng
 RT: 7.47 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF084220.D
 Acq: 1 Jan 2016 2:57

Instrument :
 BNA_F
 ClientSampleId :
 S8-0536

Tgt Ion: 82 Resp: 1823957
 Ion Ratio Lower Upper
 82 100
 128 41.2 34.6 51.8
 54 62.7 38.4 57.6#

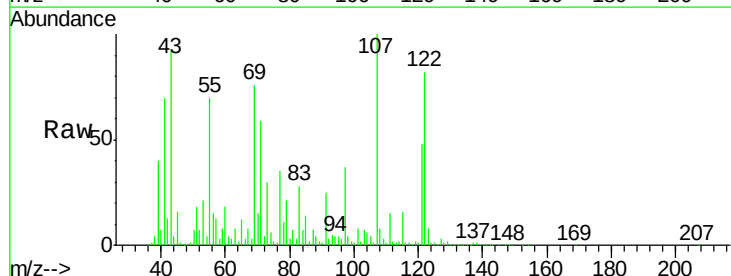


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

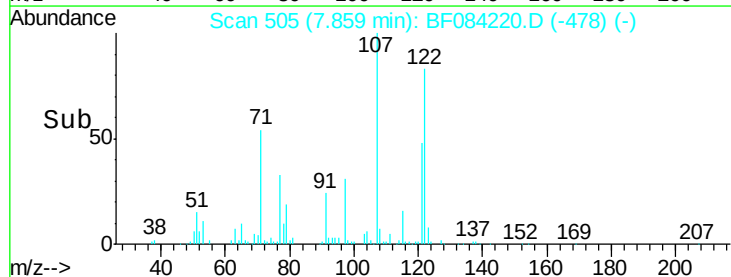
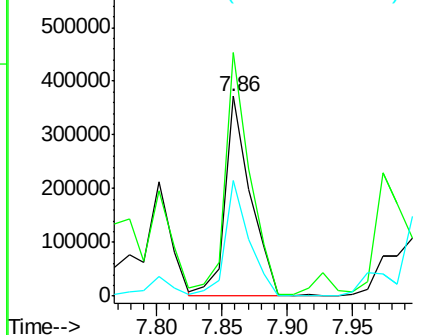


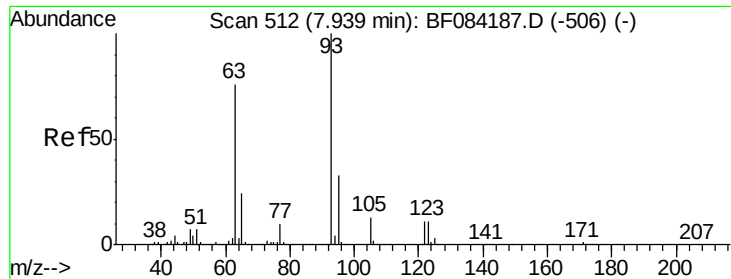
#27
 2,4-Dimethylphenol
 Concen: 27.41 ng
 RT: 7.86 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: BF084220.D
 Acq: 1 Jan 2016 2:57

Tgt Ion: 122 Resp: 501510
 Ion Ratio Lower Upper
 122 100
 107 121.7 99.1 148.7
 121 58.0 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

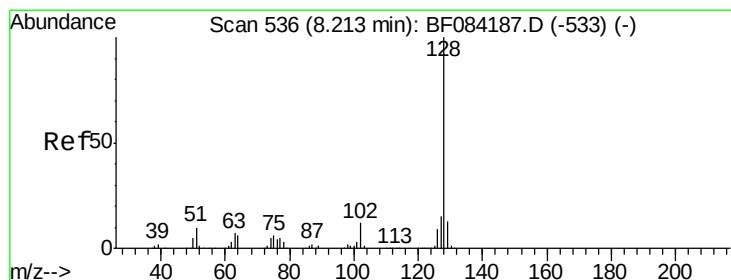
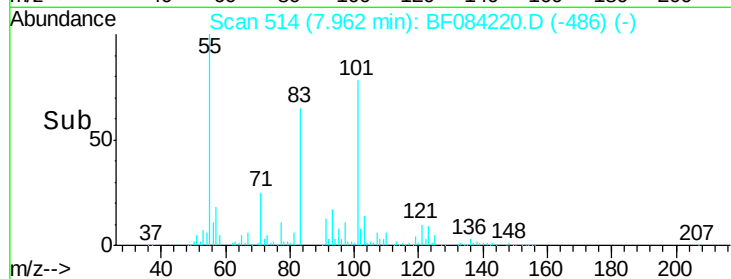
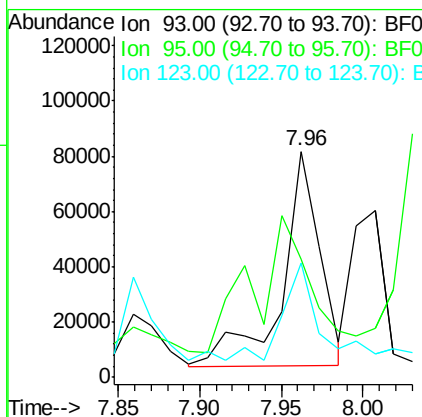
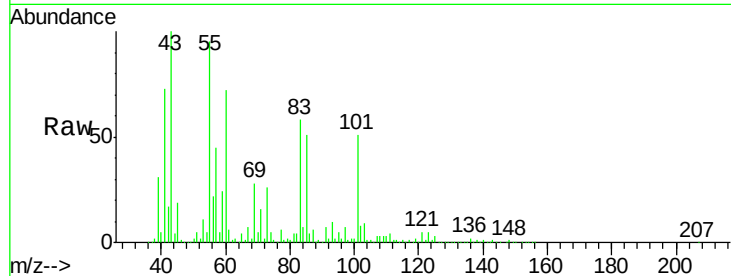




#28
bis(2-Chloroethoxy)methane
Concen: 5.48 ng
RT: 7.96 min Scan# 514
Delta R.T. 0.02 min
Lab File: BF084220.D
Acq: 1 Jan 2016 2:57

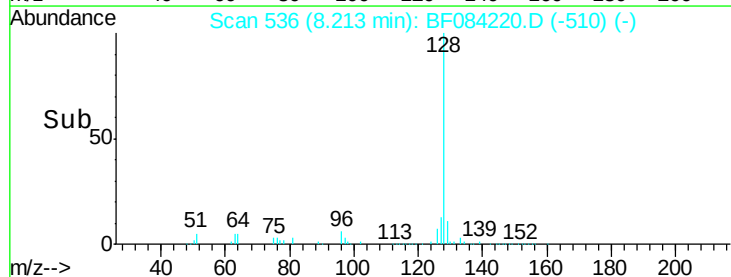
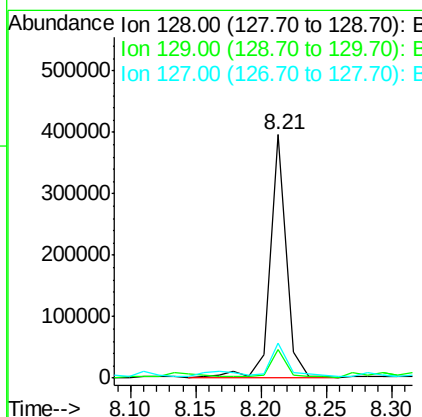
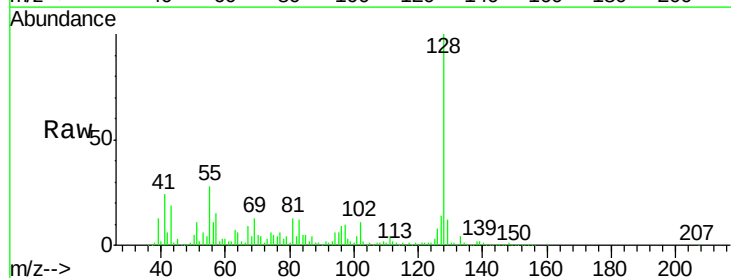
Instrument :
BNA_F
ClientSampled :
S8-0536

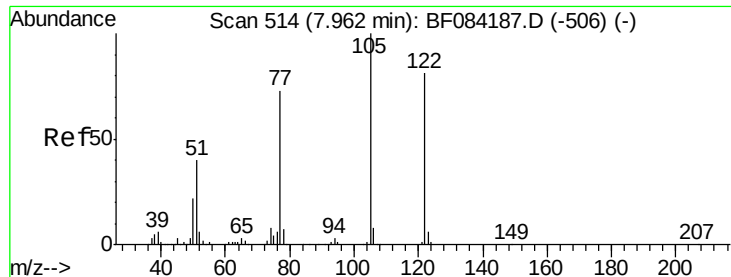
Tgt Ion: 93 Resp: 125411
Ion Ratio Lower Upper
93 100
95 52.2 25.8 38.6#
123 50.6 8.6 12.8#



#31
Naphthalene
Concen: 6.87 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF084220.D
Acq: 1 Jan 2016 2:57

Tgt Ion: 128 Resp: 339891
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 14.2 11.1 16.7

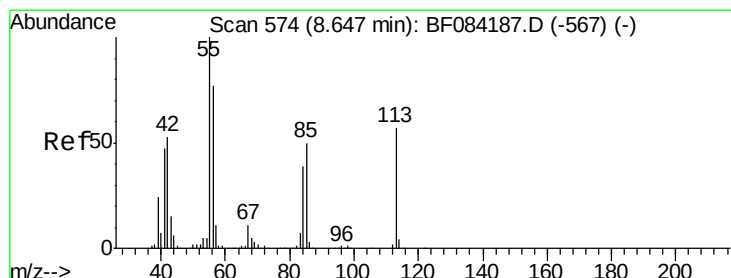
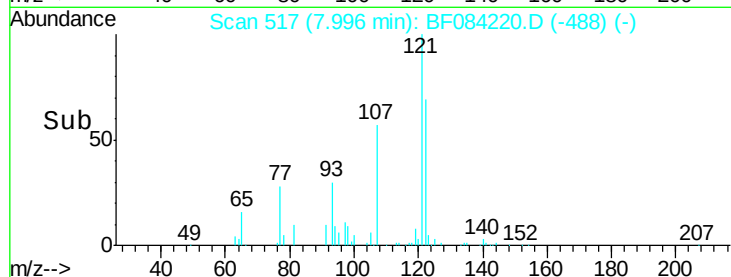
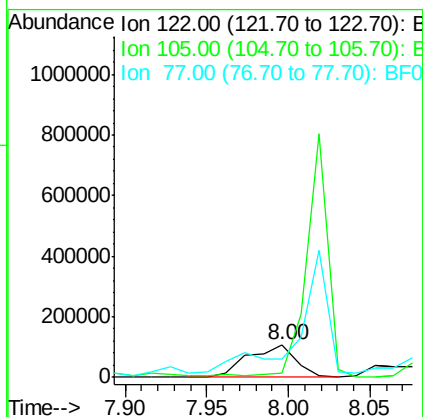
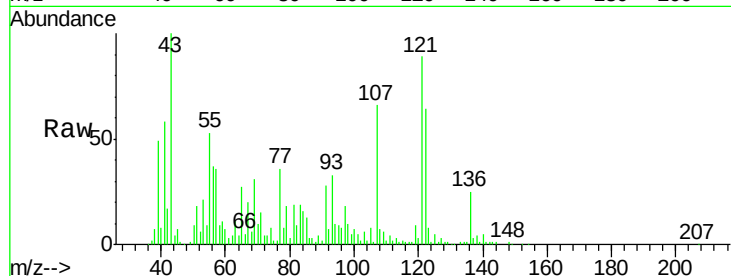




#32
Benzoic acid
Concen: 22.07 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.04 min
Lab File: BF084220.D
Acq: 1 Jan 2016 2:57

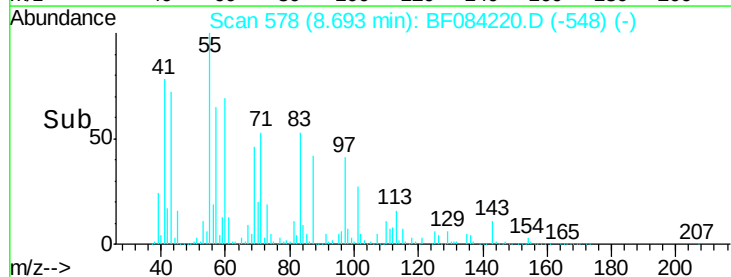
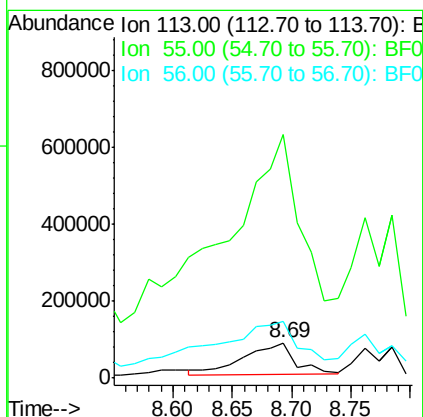
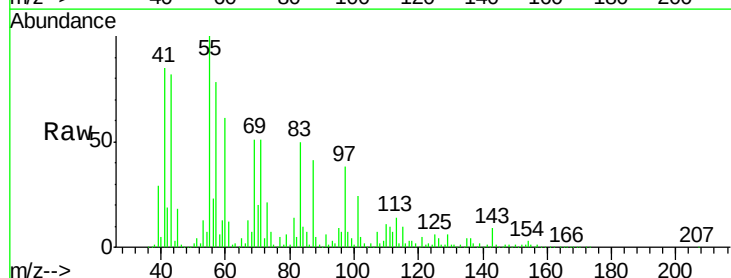
Instrument :
BNA_F
ClientSampled :
S8-0536

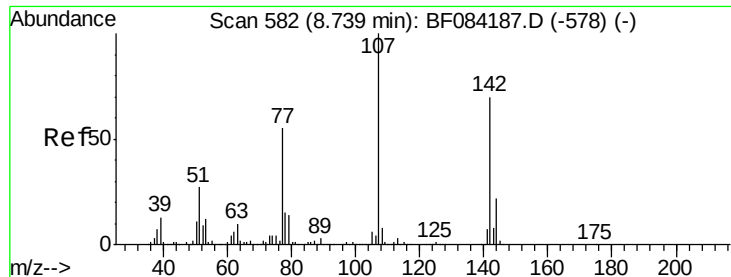
Tgt Ion:122 Resp: 214040
Ion Ratio Lower Upper
122 100
105 12.7 100.3 140.3#
77 55.8 63.5 103.5#



#35
Caprolactam
Concen: 49.95 ng
RT: 8.69 min Scan# 578
Delta R.T. 0.05 min
Lab File: BF084220.D
Acq: 1 Jan 2016 2:57

Tgt Ion:113 Resp: 256601
Ion Ratio Lower Upper
113 100
55 691.3 116.9 156.9#
56 160.3 93.8 133.8#

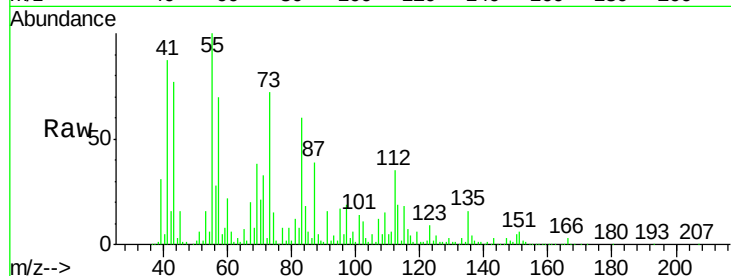




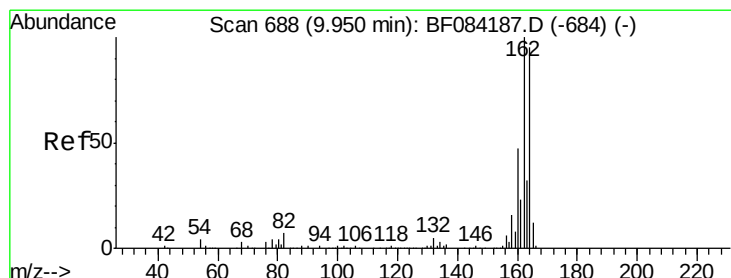
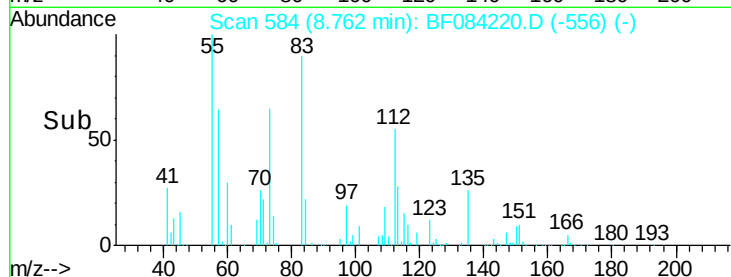
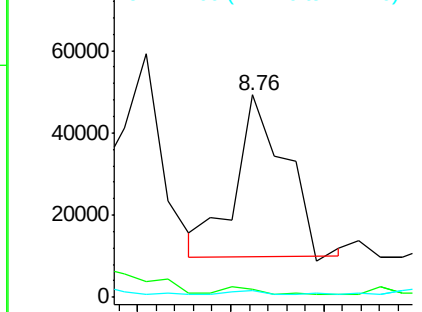
#36
 4-Chloro-3-methylphenol
 Concen: 4.26 ng
 RT: 8.76 min Scan# 584
 Delta R.T. 0.02 min
 Lab File: BF084220.D
 Acq: 1 Jan 2016 2:57

Instrument :
 BNA_F
 ClientSampleId :
 S8-0536

Tgt Ion:107 Resp: 72635
 Ion Ratio Lower Upper
 107 100
 144 3.9 19.7 29.5#
 142 3.5 61.8 92.6#

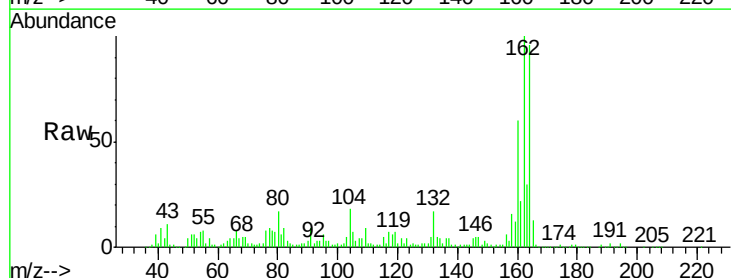


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

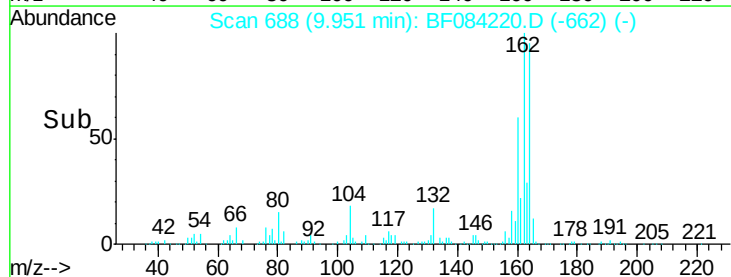
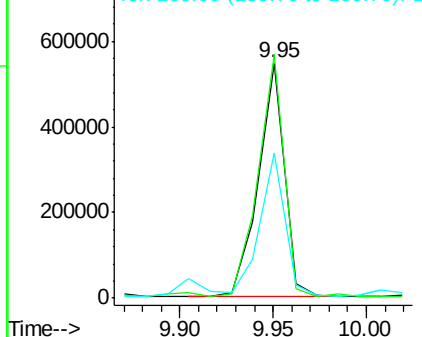


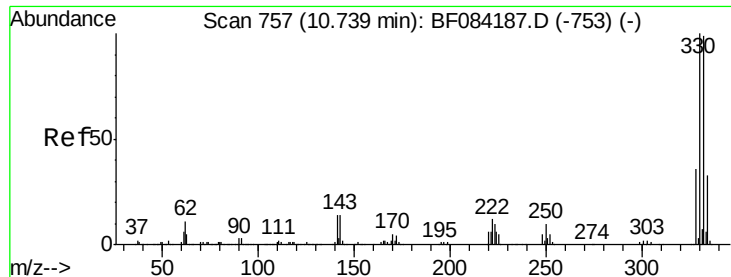
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: BF084220.D
 Acq: 1 Jan 2016 2:57

Tgt Ion:164 Resp: 522417
 Ion Ratio Lower Upper
 164 100
 162 103.7 85.1 127.7
 160 61.8 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

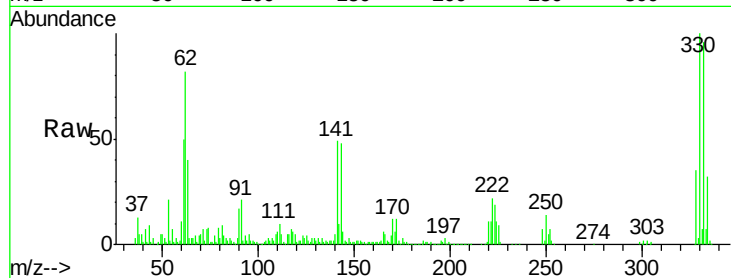




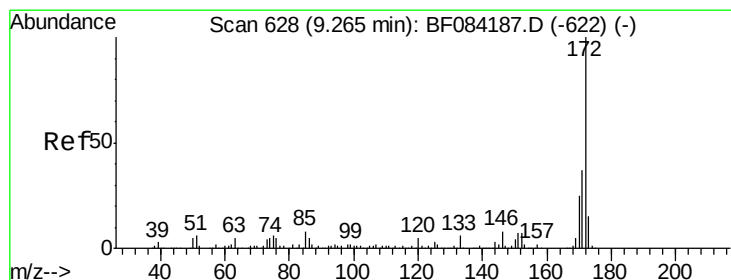
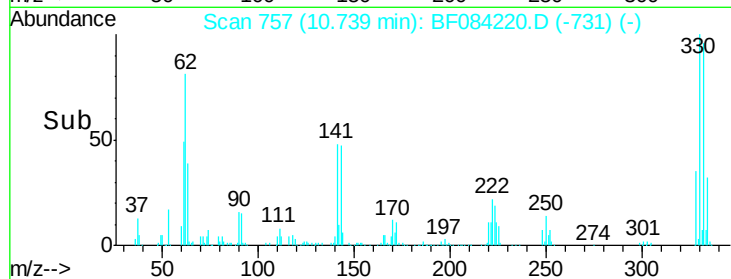
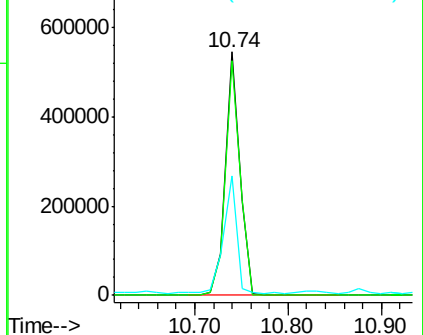
#41
 2,4,6-Tribromophenol
 Concen: 112.09 ng
 RT: 10.74 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BF084220.D
 Acq: 1 Jan 2016 2:57

Instrument :
 BNA_F
 ClientSampleId :
 S8-0536

Tgt Ion:330 Resp: 591194
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 43.5 27.8 41.6#

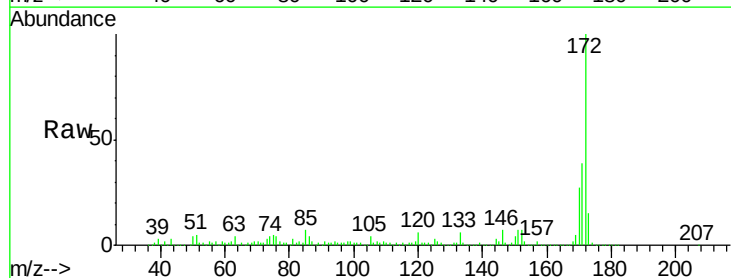


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

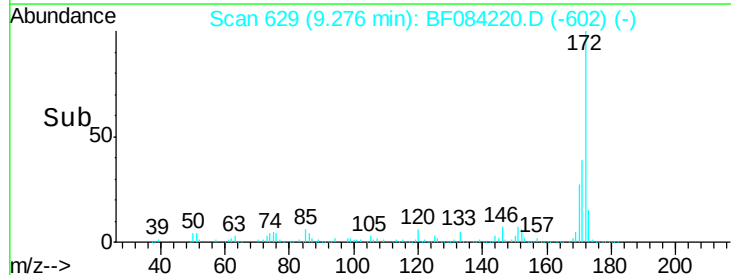
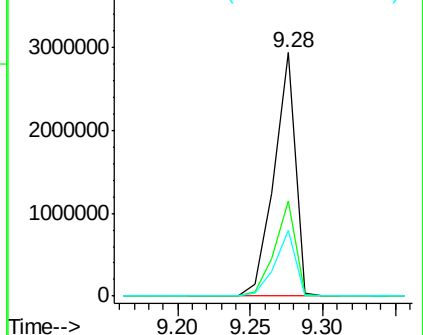


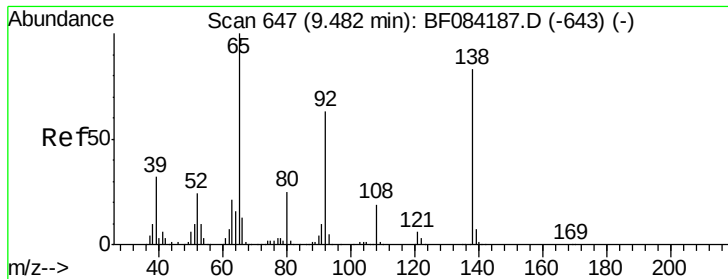
#44
 2-Fluorobiphenyl
 Concen: 102.00 ng
 RT: 9.28 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF084220.D
 Acq: 1 Jan 2016 2:57

Tgt Ion:172 Resp: 2991644
 Ion Ratio Lower Upper
 172 100
 171 39.0 28.9 43.3
 170 27.2 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





#47

2-Nitroaniline

Concen: 3.73 ng

RT: 9.52 min Scan# 650

Delta R.T. 0.03 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

Instrument :

BNA_F

ClientSampleId :

S8-0536

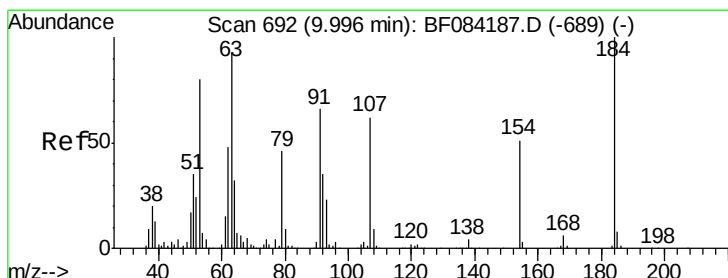
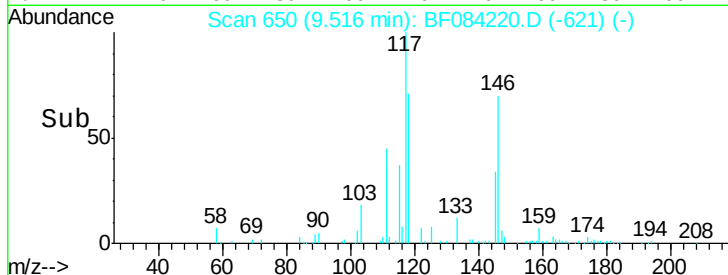
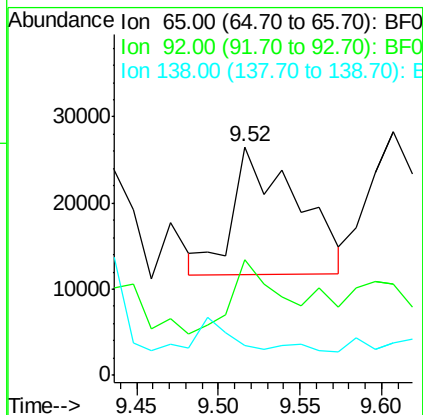
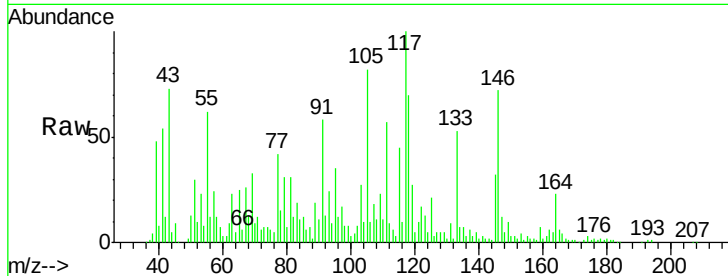
Tgt Ion: 65 Resp: 40167

Ion Ratio Lower Upper

65 100

92 50.4 53.4 80.2#

138 13.0 71.1 106.7#



#53

2,4-Dinitrophenol

Concen: 3.90 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

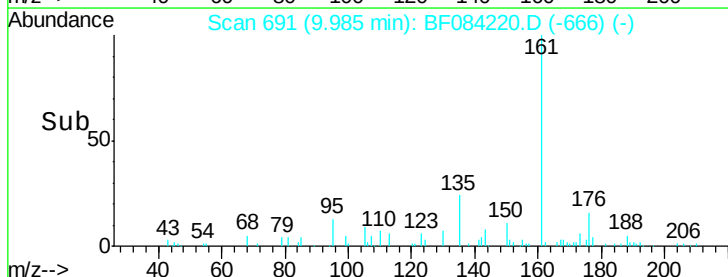
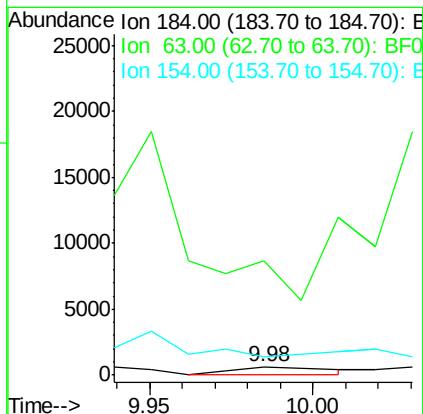
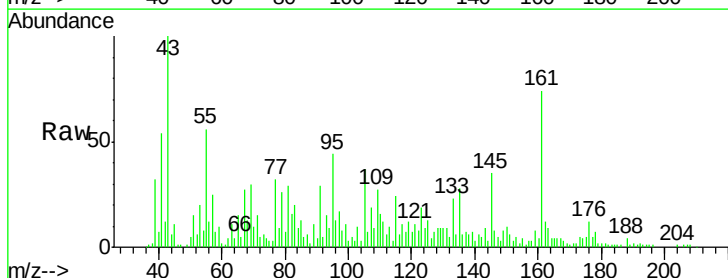
Tgt Ion: 184 Resp: 1265

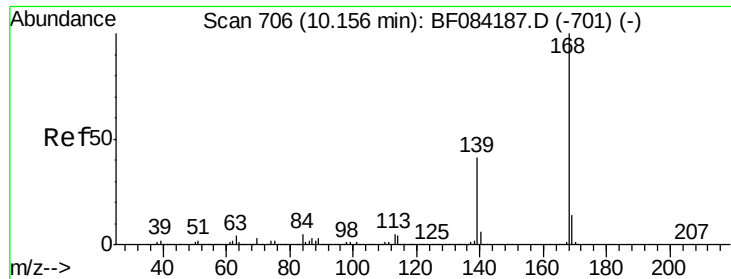
Ion Ratio Lower Upper

184 100

63 1419.7 43.1 64.7#

154 231.1 60.5 90.7#

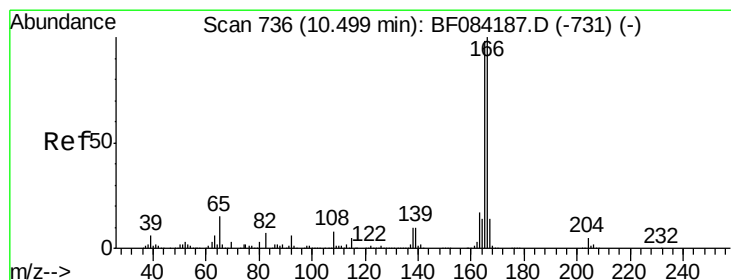
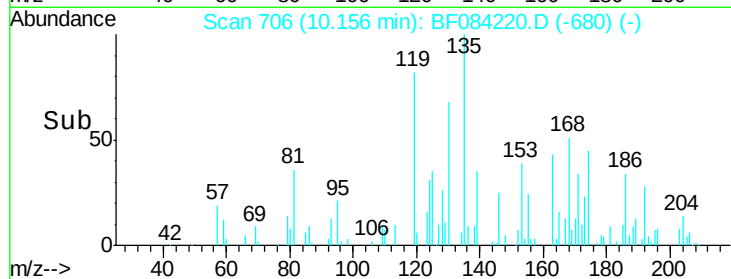
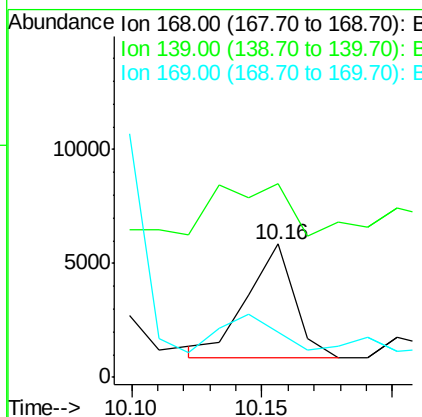
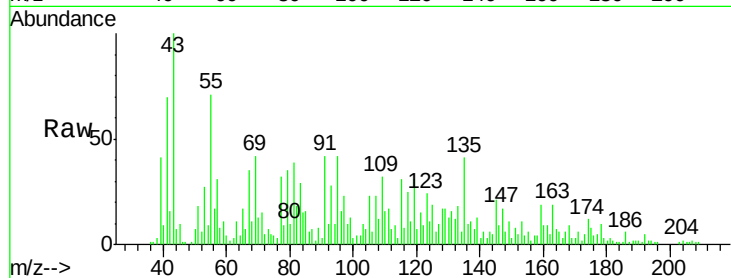




#54
Dibenzenofuran
Concen: Below Cal
RT: 10.16 min Scan# 706
Delta R.T. 0.00 min
Lab File: BF084220.D
Acq: 1 Jan 2016 2:57

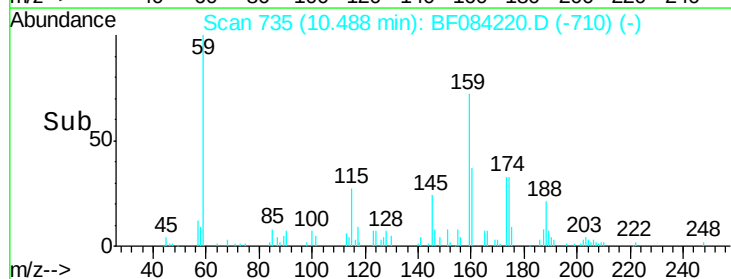
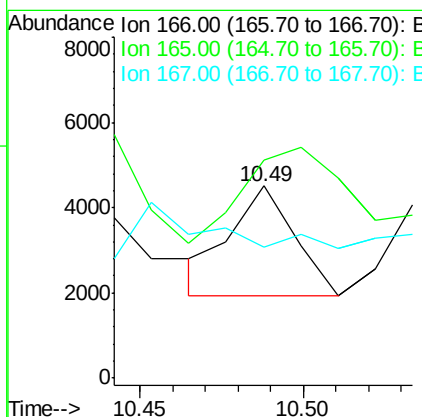
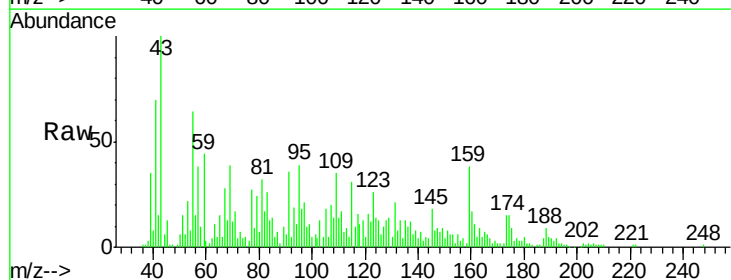
Instrument :
BNA_F
ClientSampleId :
S8-0536

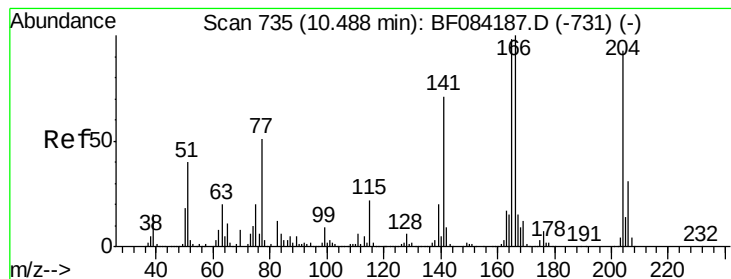
Tgt Ion:168 Resp: 6414
Ion Ratio Lower Upper
168 100
139 145.5 30.5 45.7#
169 34.4 10.4 15.6#



#57
Fluorene
Concen: Below Cal
RT: 10.49 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF084220.D
Acq: 1 Jan 2016 2:57

Tgt Ion:166 Resp: 3427
Ion Ratio Lower Upper
166 100
165 113.6 79.1 118.7
167 68.3 10.4 15.6#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

Instrument :

BNA_F

ClientSampleId :

S8-0536

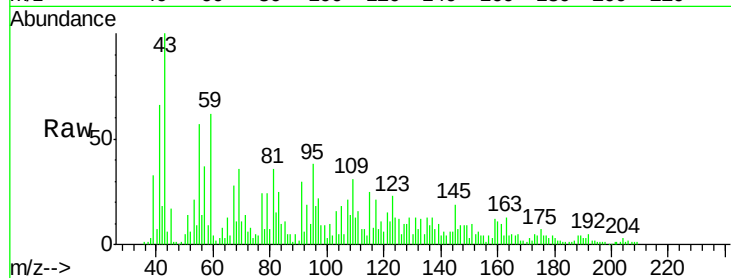
Tgt Ion:204 Resp: 2926

Ion Ratio Lower Upper

204 100

206 51.0 25.7 38.5#

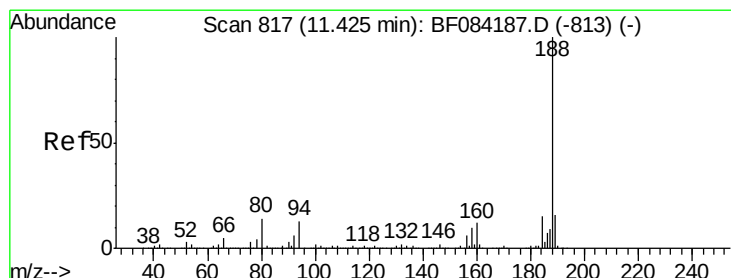
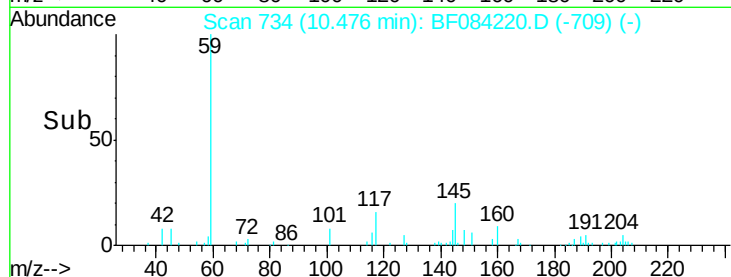
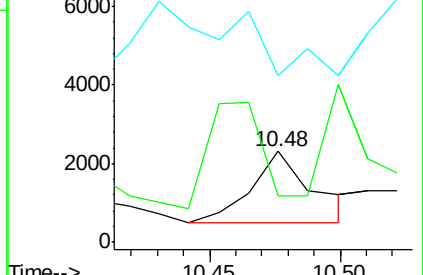
141 184.4 55.1 82.7#



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: 11.44 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

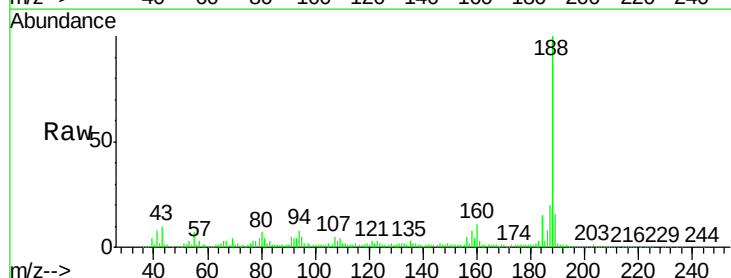
Tgt Ion:188 Resp: 766049

Ion Ratio Lower Upper

188 100

94 7.6 9.0 13.4#

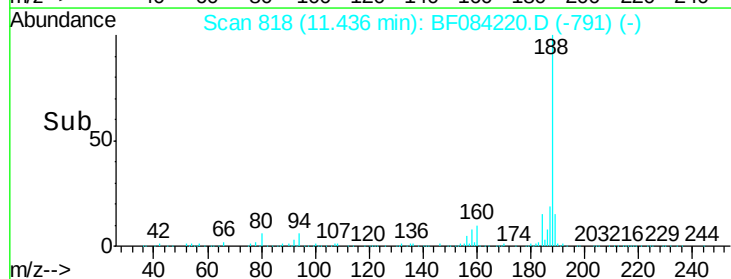
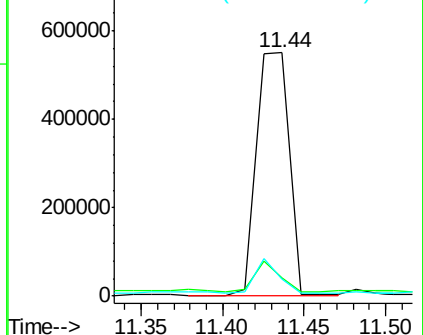
80 7.2 9.6 14.4#

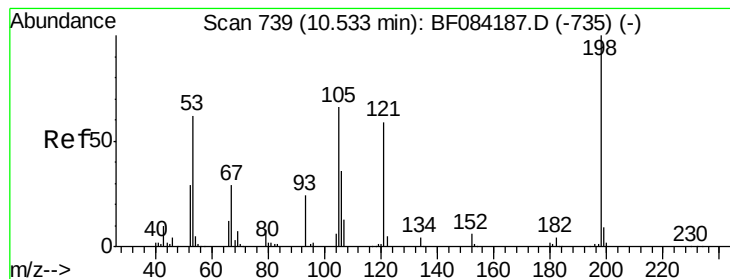


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.56 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

Instrument :

BNA_F

ClientSampled :

S8-0536

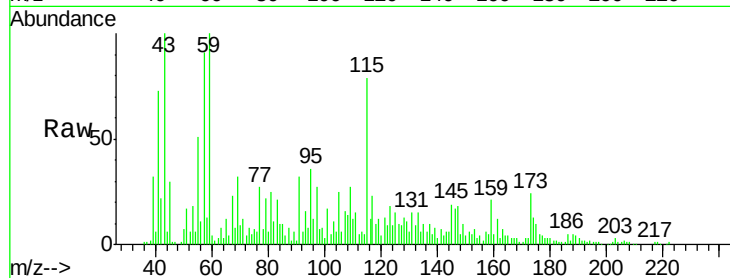
Tgt Ion:198 Resp: 836

Ion Ratio Lower Upper

198 100

51 3511.0 18.9 58.9#

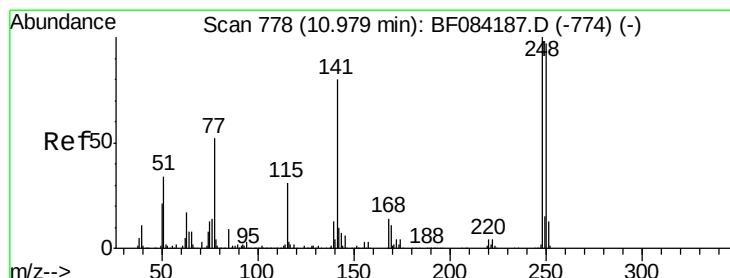
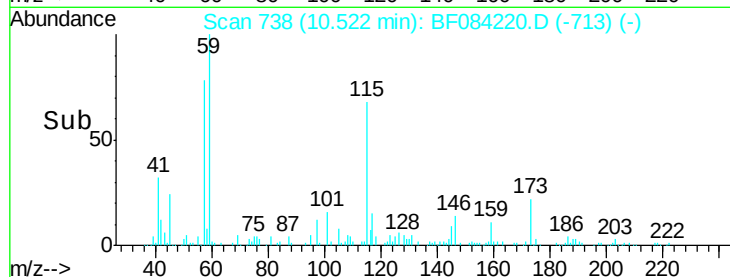
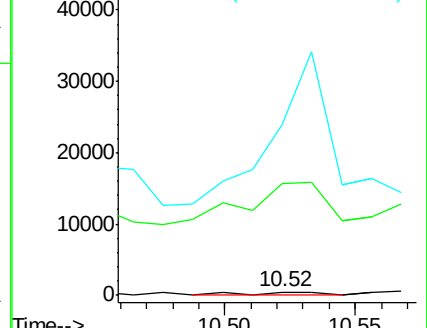
105 5358.4 26.4 66.4#



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



#66

4-Bromophenyl-phenylether

Concen: 4.65 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.24 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

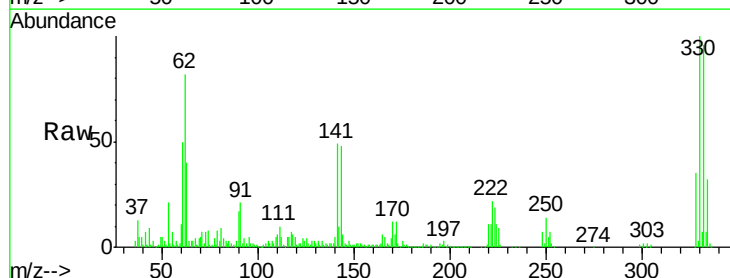
Tgt Ion:248 Resp: 38349

Ion Ratio Lower Upper

248 100

250 193.9 78.4 117.6#

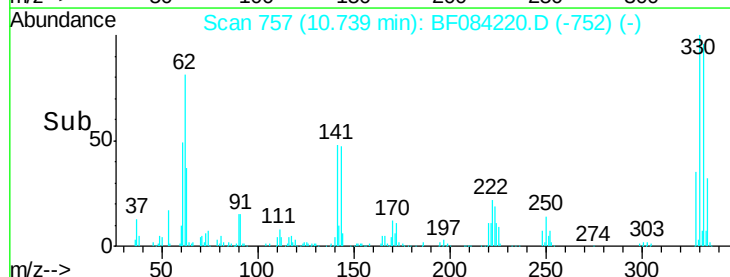
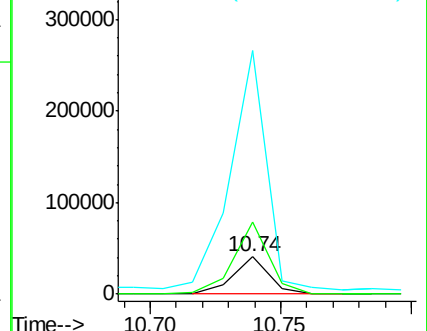
141 656.4 44.0 66.0#

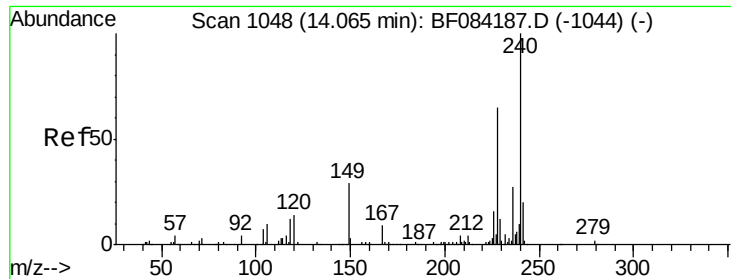


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

Instrument :

BNA_F

ClientSampleId :

S8-0536

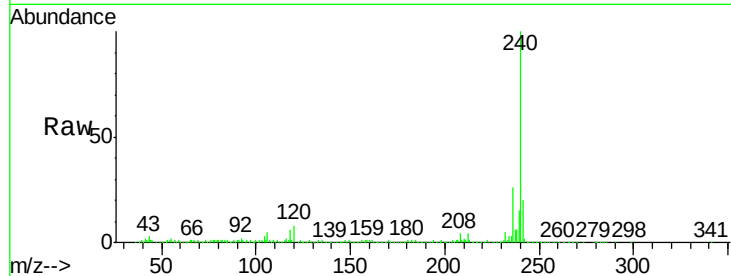
Tgt Ion:240 Resp: 578263

Ion Ratio Lower Upper

240 100

120 7.6 9.5 14.3#

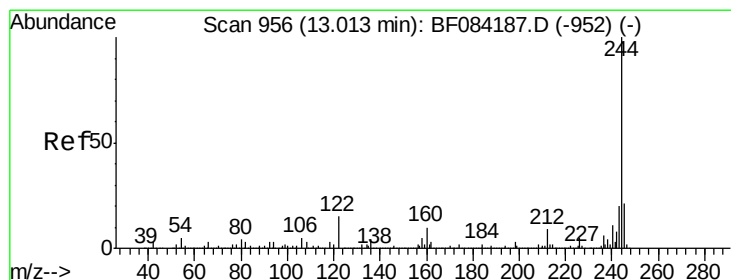
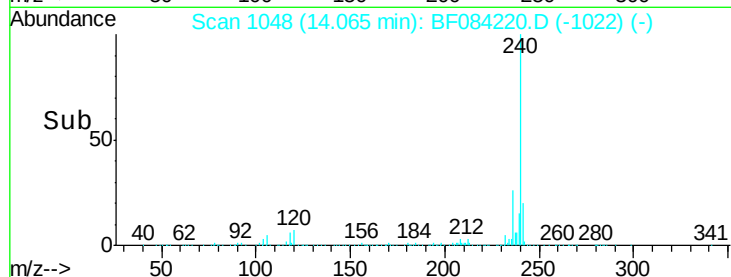
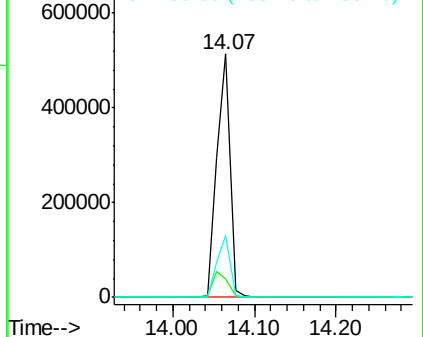
236 25.7 20.6 31.0



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: 65.29 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084220.D

Acq: 1 Jan 2016 2:57

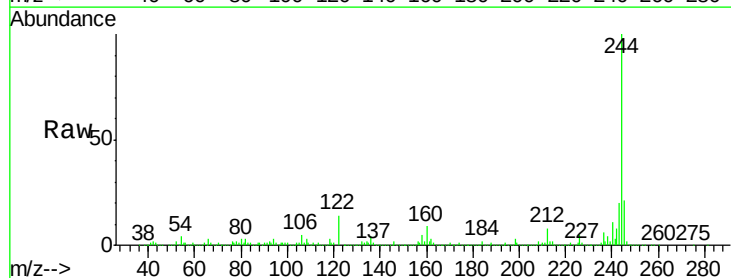
Tgt Ion:244 Resp: 1691269

Ion Ratio Lower Upper

244 100

212 8.4 5.7 8.5

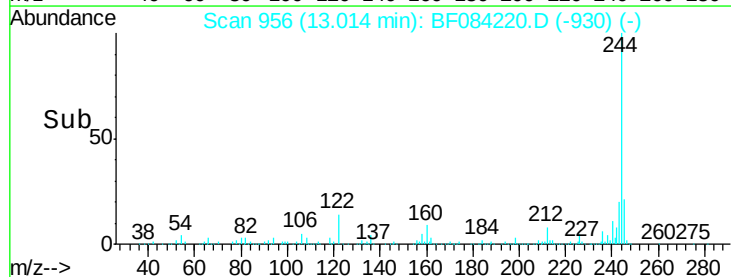
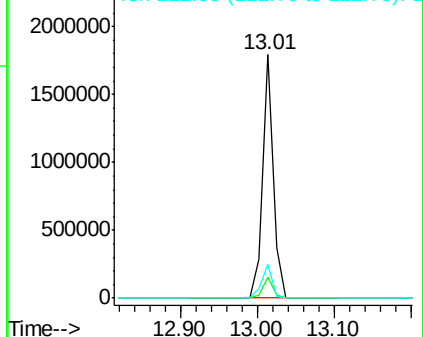
122 14.0 7.4 11.0#

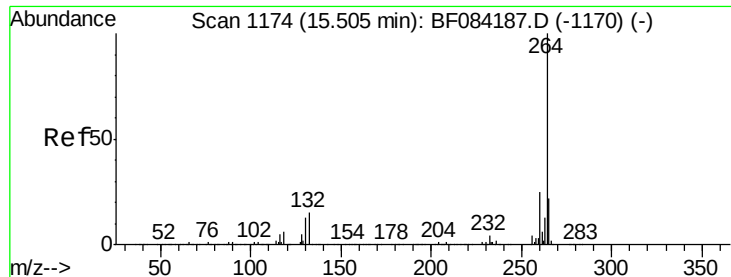


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF084220.D
Acq: 1 Jan 2016 2:57

Instrument :
BNA_F
ClientSampleId :
S8-0536

Tgt Ion: 264 Resp: 572234
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 21.9 17.8 26.6

