

Data Path : Z:\HPCHEM1\BNA F\Data\BF123015\
 Data File : BF084178.D
 Acq On : 31 Dec 2015 6:33
 Operator : UM/SJ
 Sample : G4979-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 31 10:33:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 04:29:55 2015
 Response via : Initial Calibration

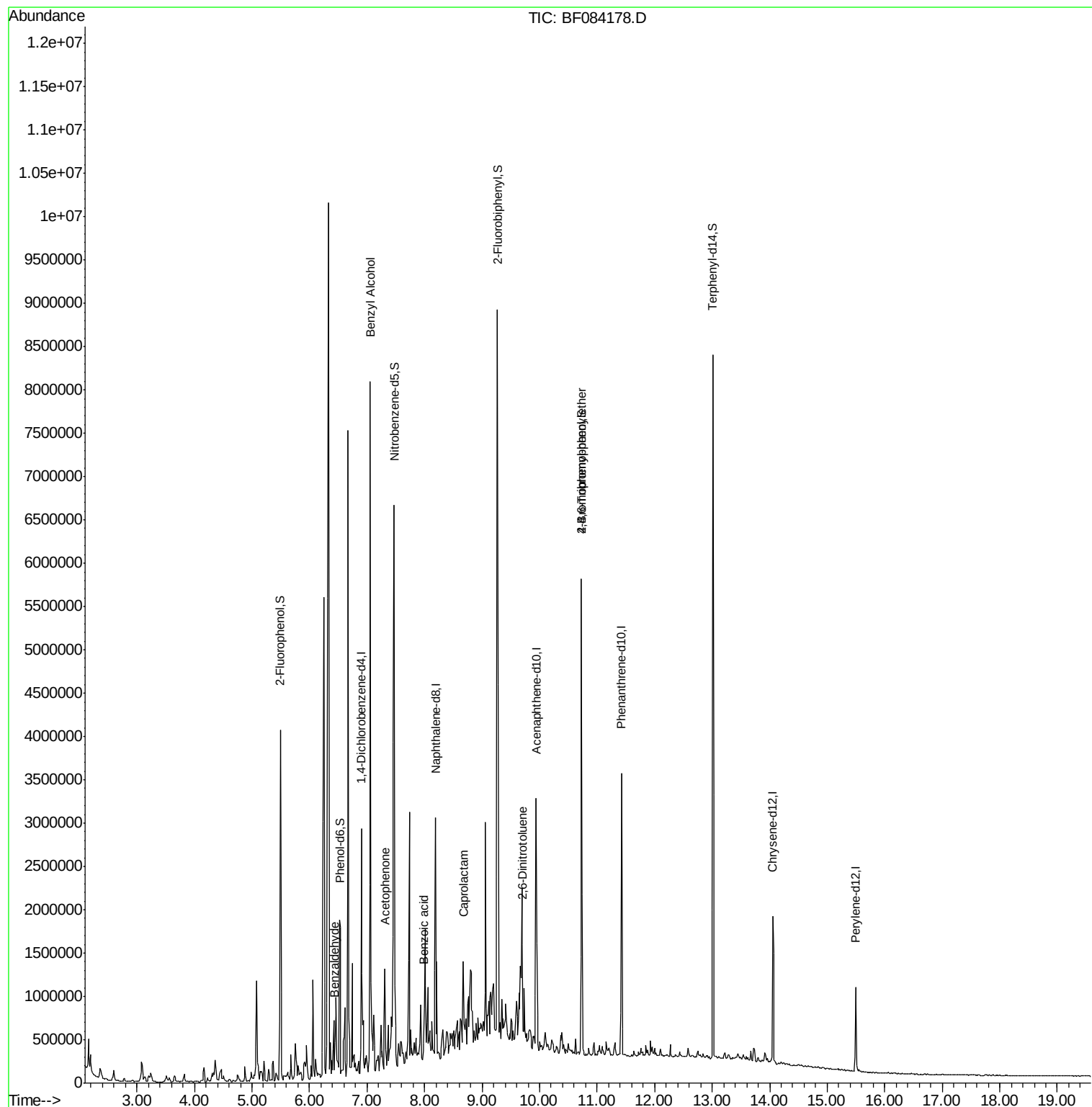
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	298163	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1281180	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	547147	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1035568	20.00	ng	0.00
75) Chrysene-d12	14.05	240	777898	20.00	ng	-0.01
86) Perylene-d12	15.49	264	515501	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	993945	53.46	ng	0.00
7) Phenol-d6	6.53	99	866482	36.00	ng	0.01
23) Nitrobenzene-d5	7.47	82	2256753	104.08	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	699940	128.17	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	3134535	103.87	ng	0.00
78) Terphenyl-d14	13.01	244	2791767	84.53	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	61589	3.03	ng	Qvalue 97
14) 1,2-Dichlorobenzene	7.06	146	739	Below Cal	#	1
15) Benzyl Alcohol	7.06	79	43214	2.15	ng	# 47
22) Acetophenone	7.31	105	300625	9.62	ng	# 73
26) 2-Nitrophenol	7.79	139	3399	Below Cal	#	72
32) Benzoic acid	8.00	122	2576	3.69	ng	# 1
35) Caprolactam	8.67	113	54251	8.87	ng	# 63
50) 2,6-Dinitrotoluene	9.70	165	3229	2.32	ng	# 1
59) Diethylphthalate	10.36	149	51909	Below Cal	#	83
60) 4-Chlorophenyl-phenylether	10.44	204	233	Below Cal	#	1
66) 4-Bromophenyl-phenylether	10.73	248	42759	3.85	ng	# 1
73) Di-n-butylphthalate	12.00	149	34415	Below Cal		99
74) Fluoranthene	12.64	202	2575	Below Cal	#	43

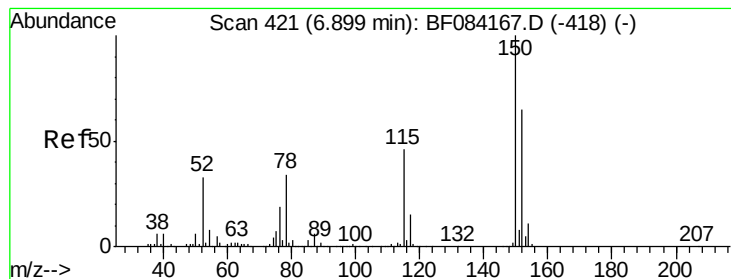
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084178.D

Acq: 31 Dec 2015 6:33

Instrument :

BNA_F

ClientSampleId :

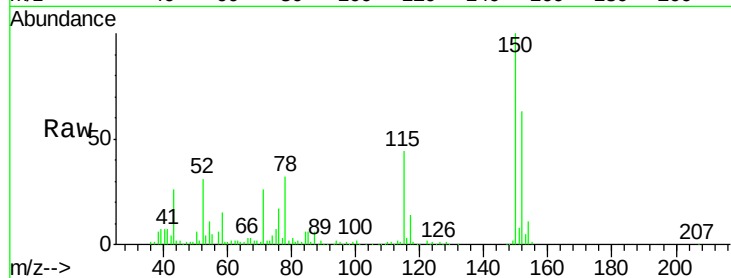
Tot Ion:152 Resp: 298163

Ion Ratio Lower Upper

152 100

150 158.3 123.8 185.8

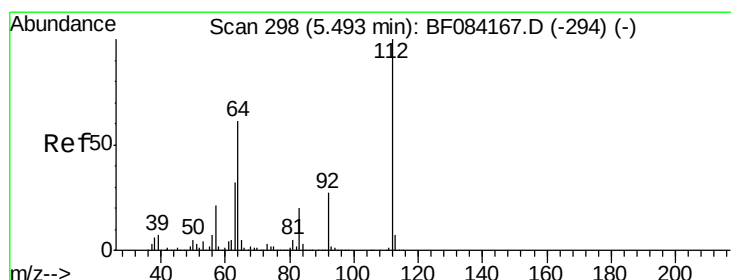
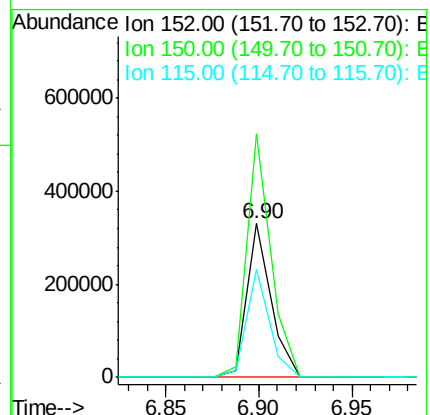
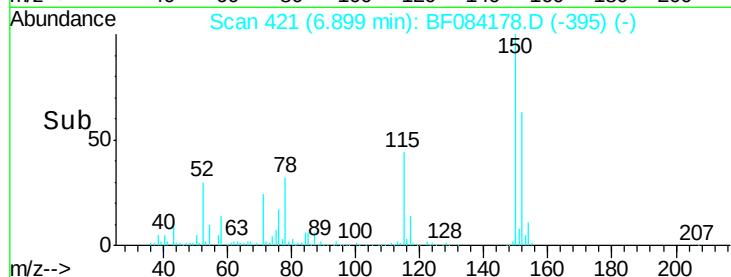
115 70.4 57.1 85.7



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: 53.46 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.00 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

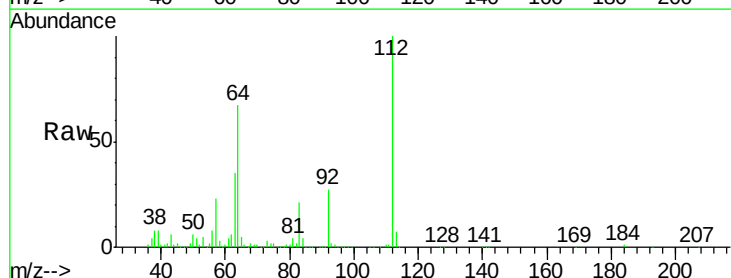
Tgt Ion:112 Resp: 993945

Ion Ratio Lower Upper

112 100

64 66.8 48.7 73.1

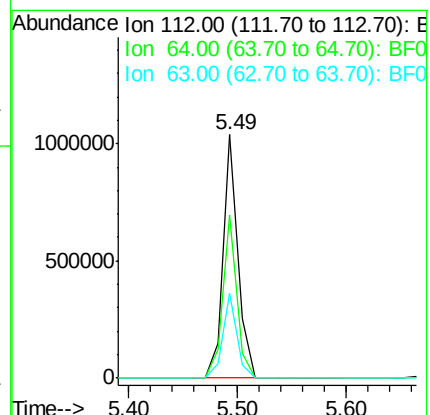
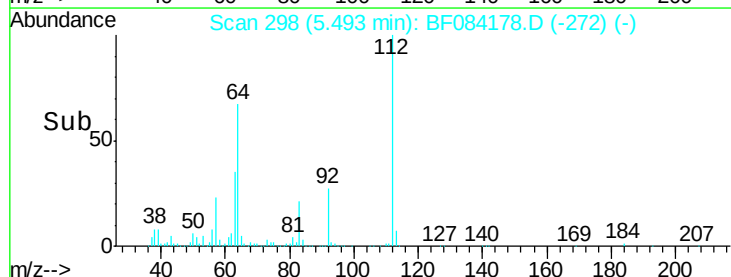
63 35.0 25.9 38.9

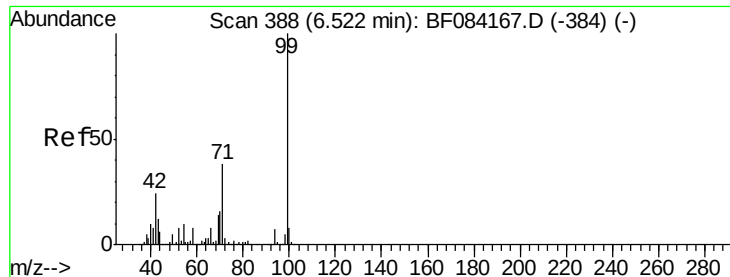


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.00 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.01 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

Instrument :

BNA_F

ClientSampleId :

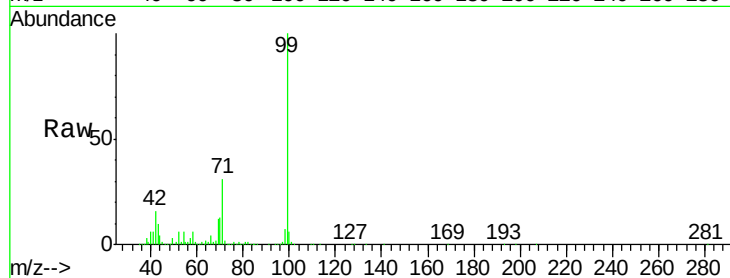
Tot Ion: 99 Resp: 866482

Ion Ratio Lower Upper

99 100

42 16.4 19.2 28.8#

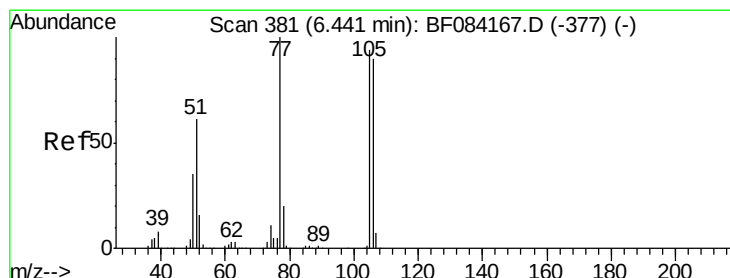
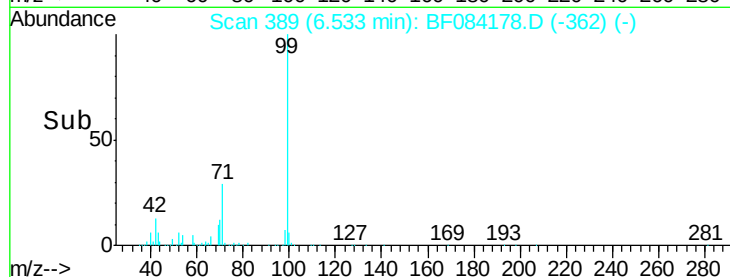
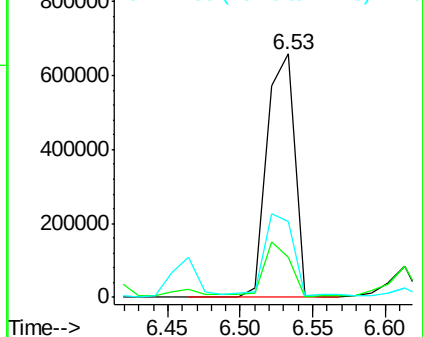
71 31.2 30.4 45.6



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.03 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

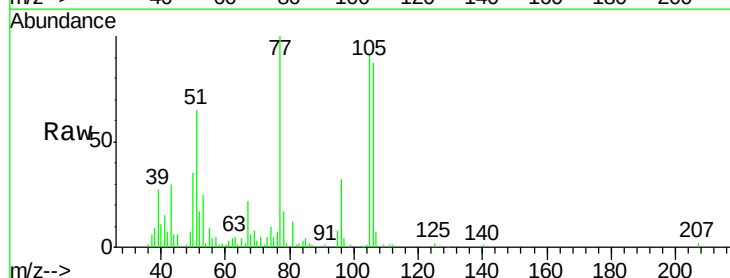
Tgt Ion: 77 Resp: 61589

Ion Ratio Lower Upper

77 100

105 91.3 73.7 113.7

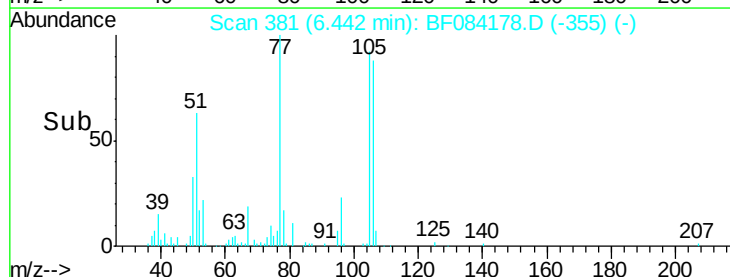
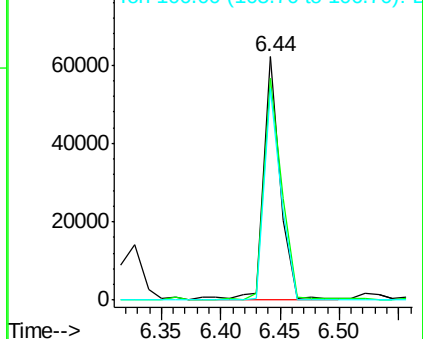
106 86.9 69.5 109.5

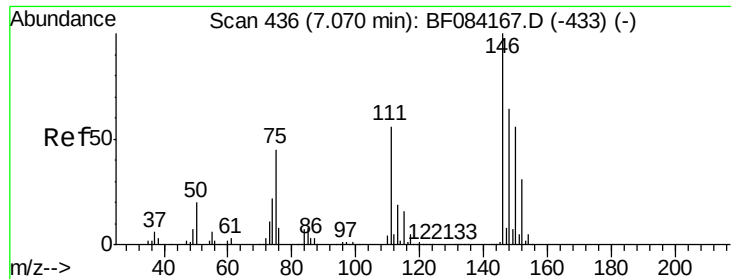


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#14

1,2-Dichlorobenzene

Concen: Below Cal

RT: 7.06 min Scan# 435

Delta R.T. -0.01 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

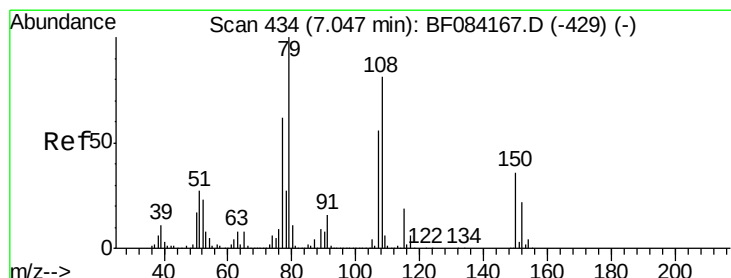
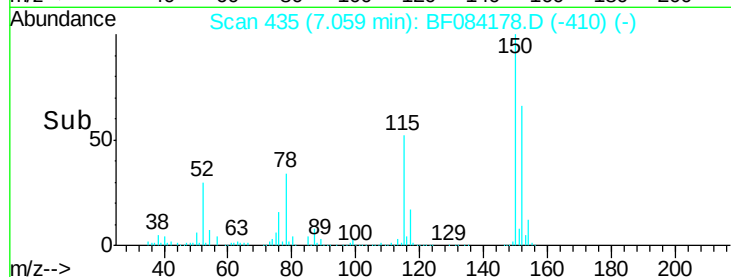
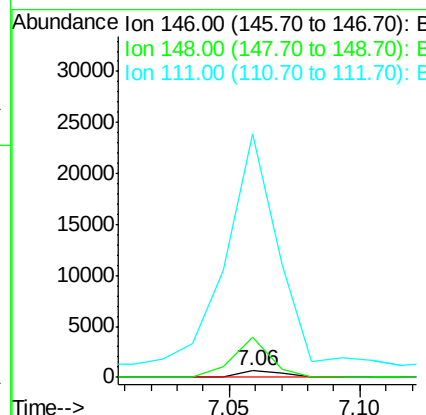
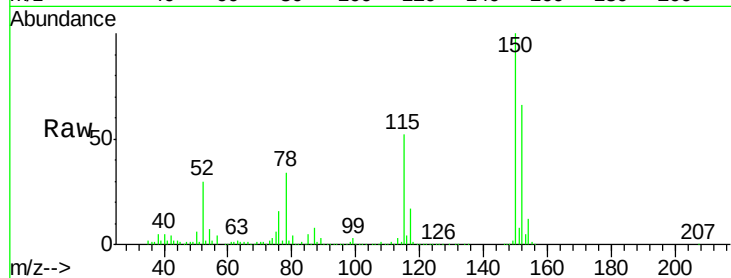
Instrument :

BNA_F

ClientSampleId :

Tot Ion:146 Resp: 739

Ion	Ratio	Lower	Upper
146	100		
148	626.7	51.3	76.9#
111	3865.4	45.0	67.4#



#15

Benzyl Alcohol

Concen: 2.15 ng

RT: 7.06 min Scan# 435

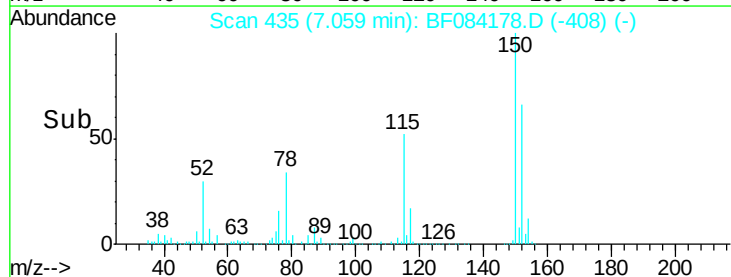
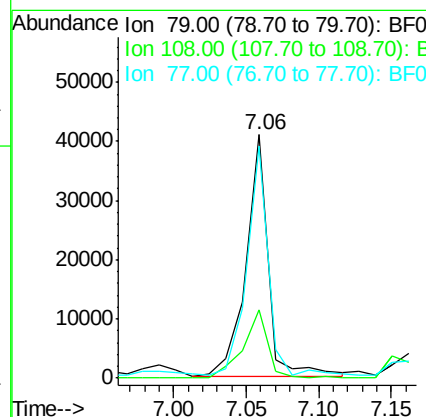
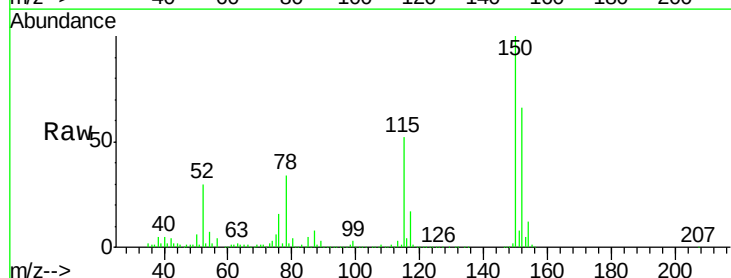
Delta R.T. 0.01 min

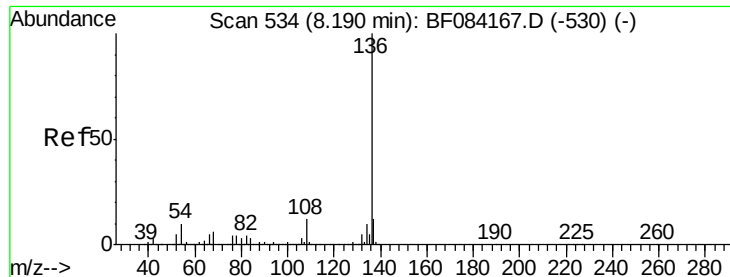
Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

Tgt Ion: 79 Resp: 43214

Ion	Ratio	Lower	Upper
79	100		
108	28.2	65.1	97.7#
77	95.5	49.8	74.8#

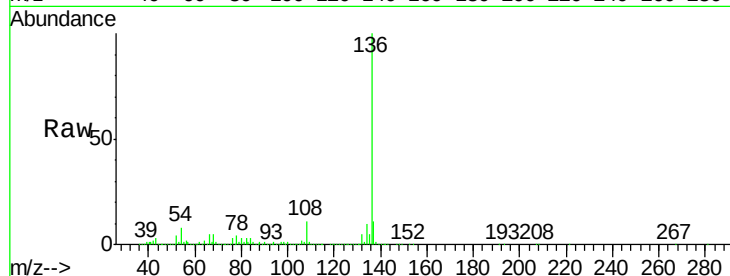




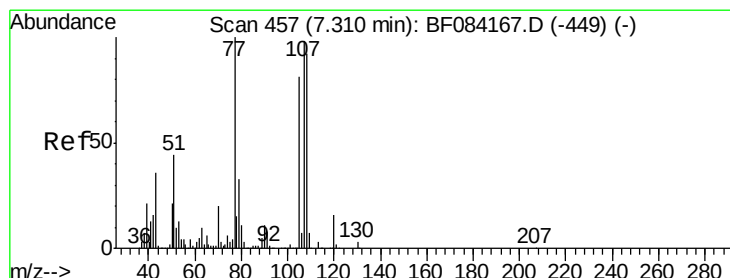
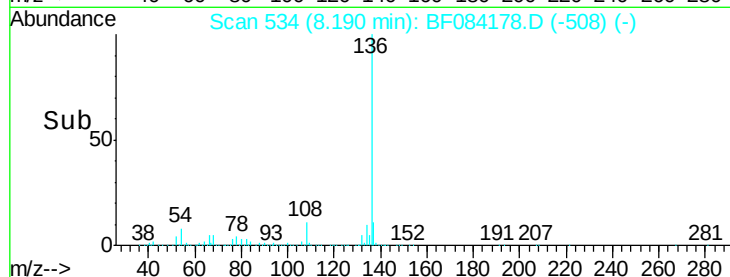
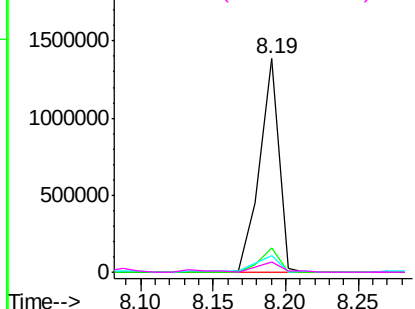
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF084178.D
Acq: 31 Dec 2015 6:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 1281180
Ion Ratio	Lower Upper
136 100	
137 11.2	9.4 14.0
54 8.0	7.6 11.4
68 5.0	4.6 6.8

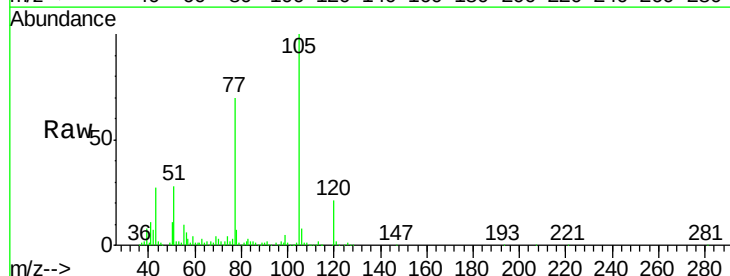


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

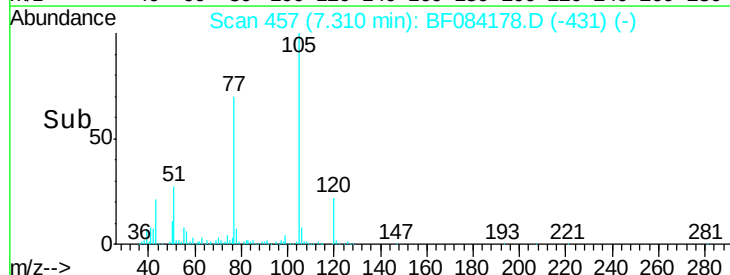
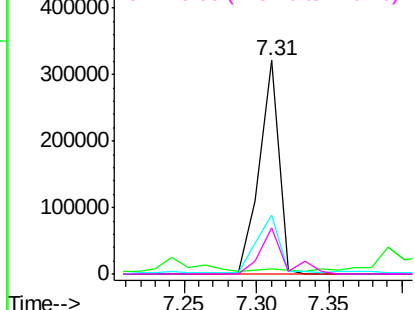


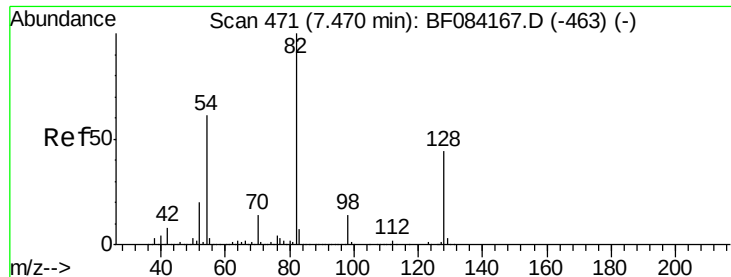
#22
Acetophenone
Concen: 9.62 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF084178.D
Acq: 31 Dec 2015 6:33

Tgt	Ion:105	Resp:	300625
Ion	Ratio	Lower	Upper
105	100		
71	2.5	3.2	4.8#
51	27.5	43.2	64.8#
120	21.5	16.0	24.0



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

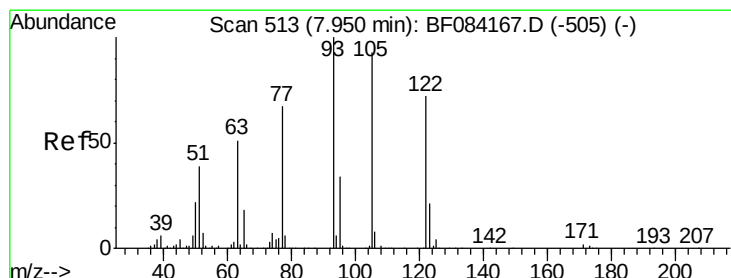
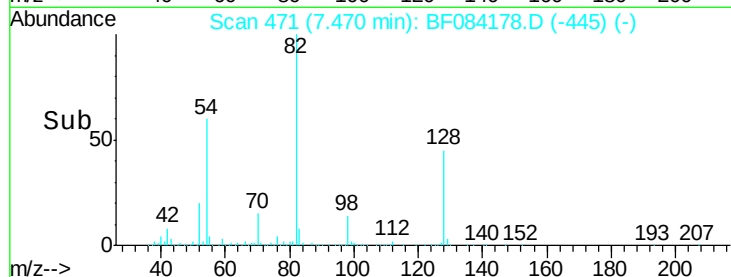
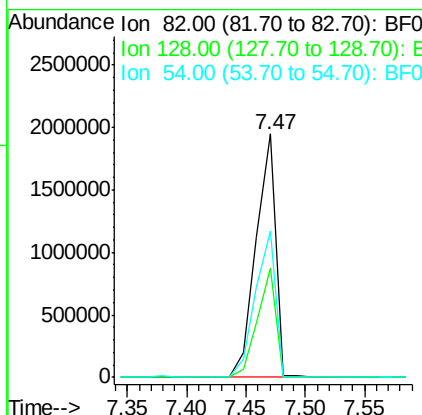
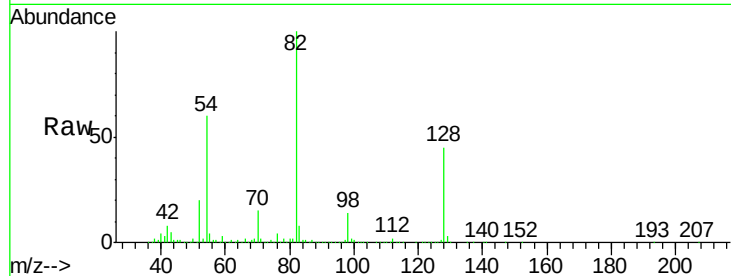




#23
 Nitrobenzene-d5
 Concen: 104.08 ng
 RT: 7.47 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF084178.D
 Acq: 31 Dec 2015 6:33

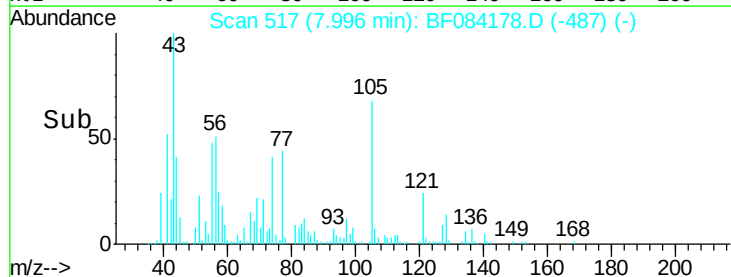
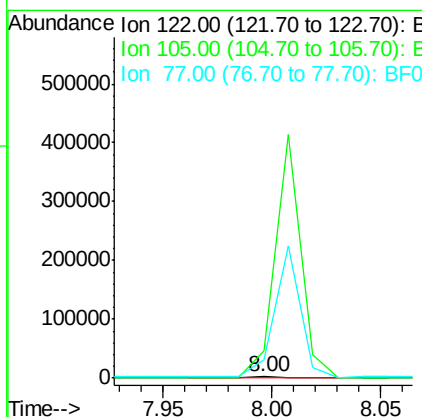
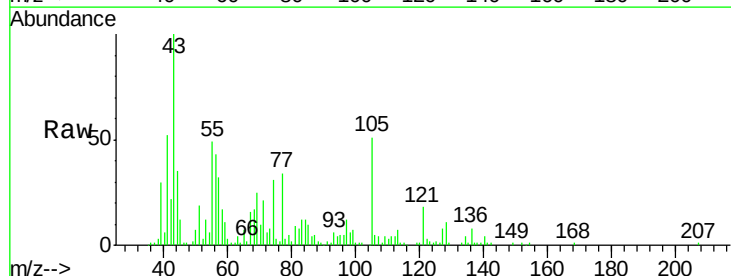
Instrument :
 BNA_F
 ClientSampleId :

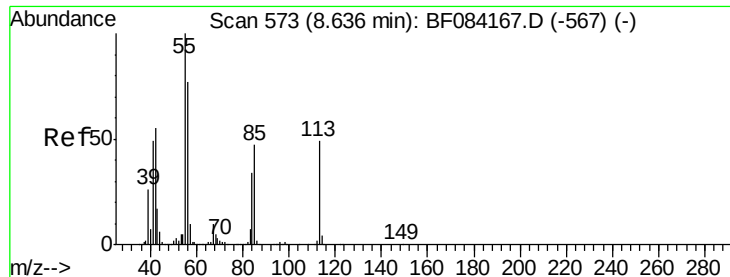
Tot Ion: 82 Resp: 2256753
 Ion Ratio Lower Upper
 82 100
 128 45.0 35.0 52.4
 54 60.1 48.5 72.7



#32
 Benzoic acid
 Concen: 3.69 ng
 RT: 8.00 min Scan# 517
 Delta R.T. 0.05 min
 Lab File: BF084178.D
 Acq: 31 Dec 2015 6:33

Tgt Ion:122 Resp: 2576
 Ion Ratio Lower Upper
 122 100
 105 1916.7 108.6 148.6#
 77 1277.7 74.1 114.1#





#35

Caprolactam

Concen: 8.87 ng

RT: 8.67 min Scan# 576

Delta R.T. 0.03 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

Instrument :

BNA_F

ClientSampled :

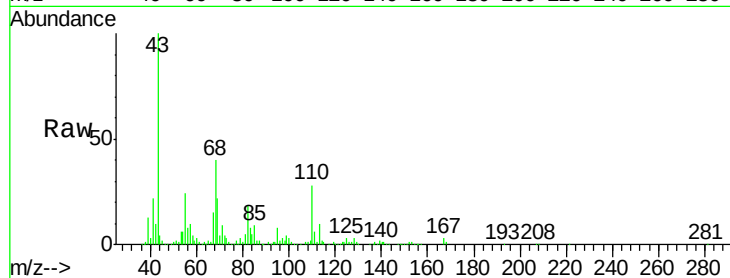
Tot Ion:113 Resp: 54251

Ion Ratio Lower Upper

113 100

55 233.7 186.0 226.0#

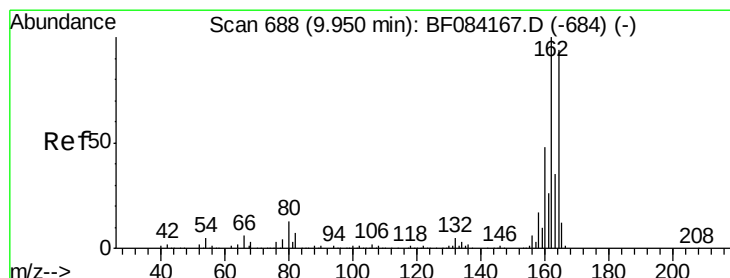
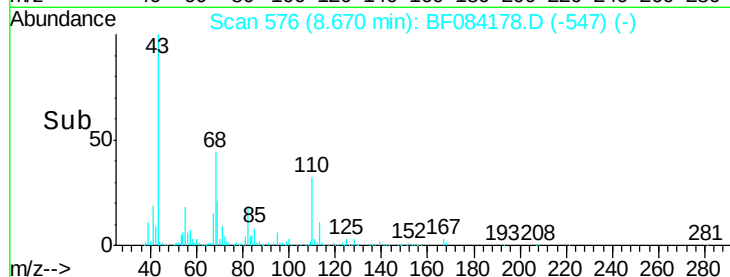
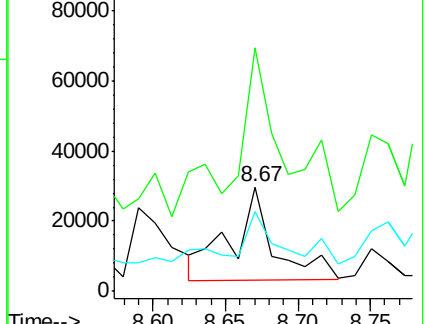
56 76.8 138.7 178.7#



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: BF084178.D

Acq: 31 Dec 2015 6:33

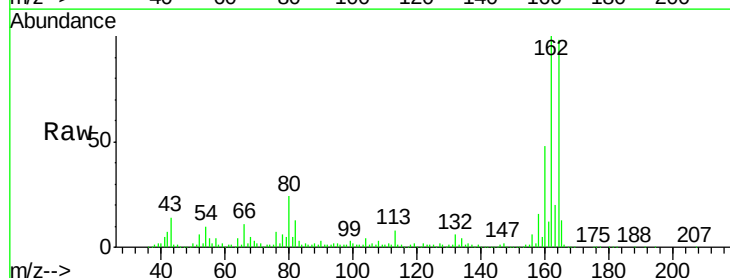
Tgt Ion:164 Resp: 547147

Ion Ratio Lower Upper

164 100

162 102.4 84.8 127.2

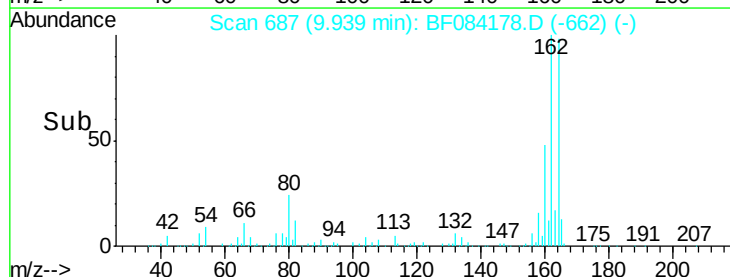
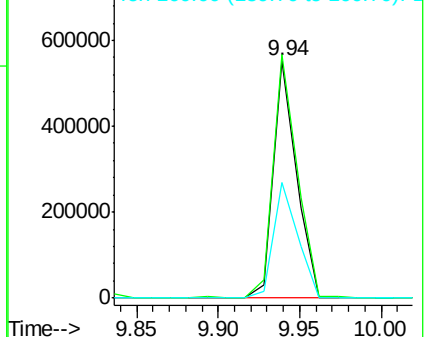
160 48.8 40.4 60.6

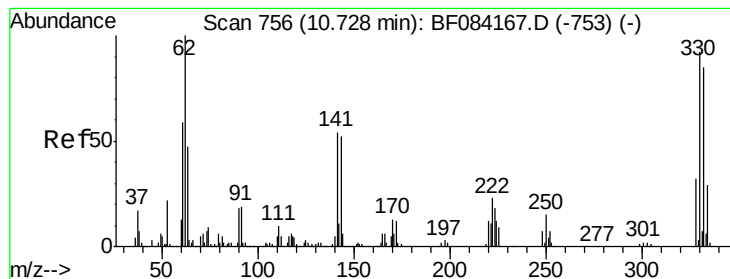


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 128.17 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.00 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

Instrument :
BNA_F
ClientSampleId :

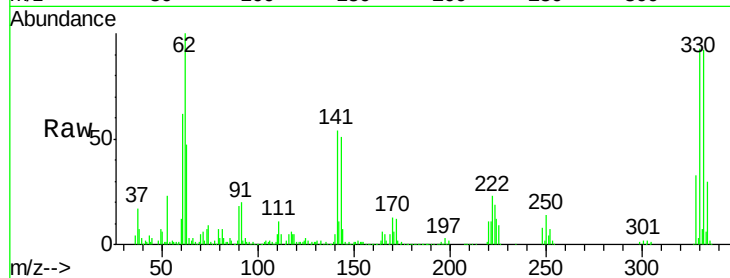
Tot Ion:330 Resp: 699940

Ion Ratio Lower Upper

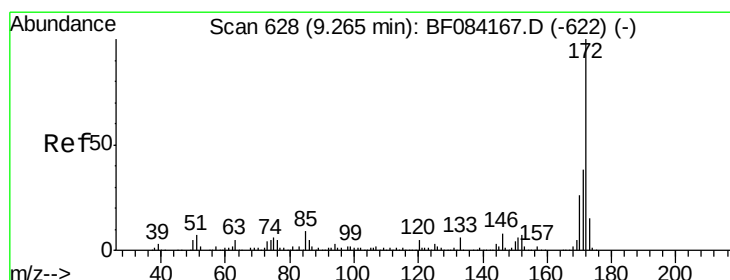
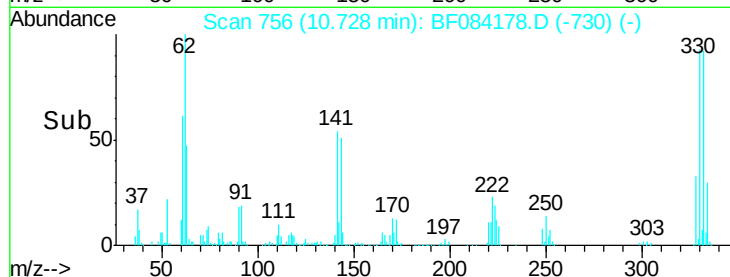
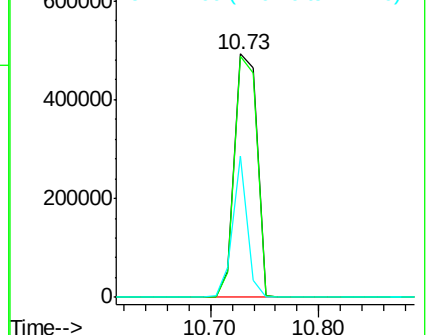
330 100

332 98.1 76.2 114.2

141 37.3 31.3 46.9



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: 103.87 ng

RT: 9.26 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

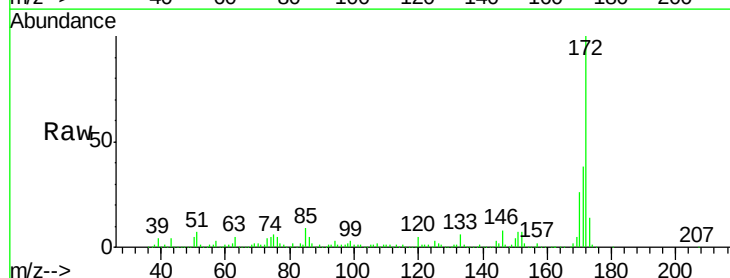
Tgt Ion:172 Resp: 3134535

Ion Ratio Lower Upper

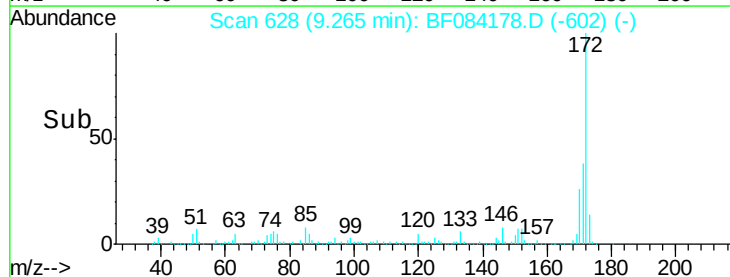
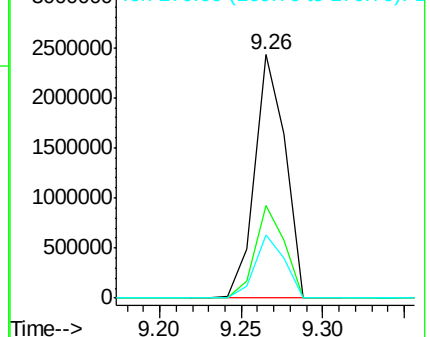
172 100

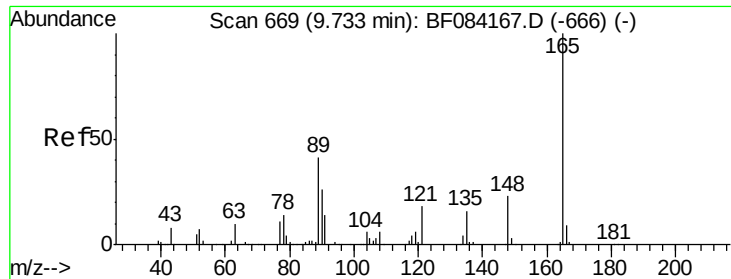
171 38.0 30.6 46.0

170 26.1 20.6 30.8



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

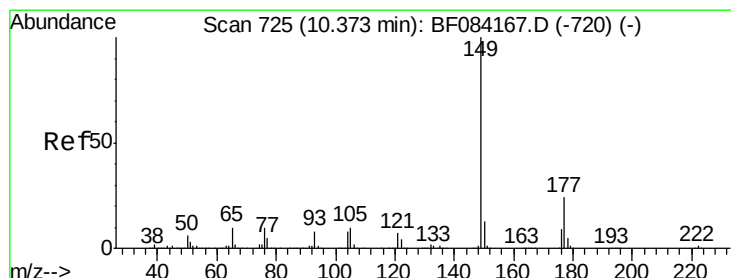
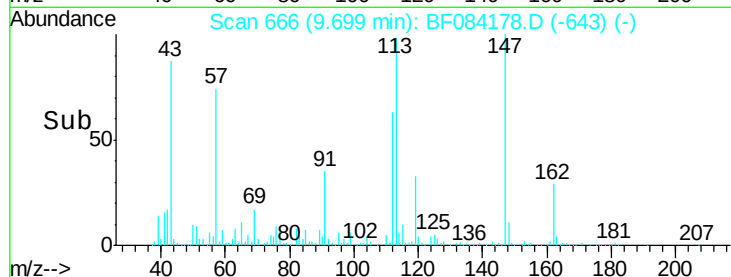
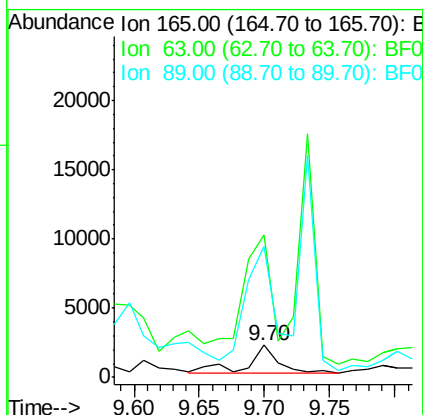
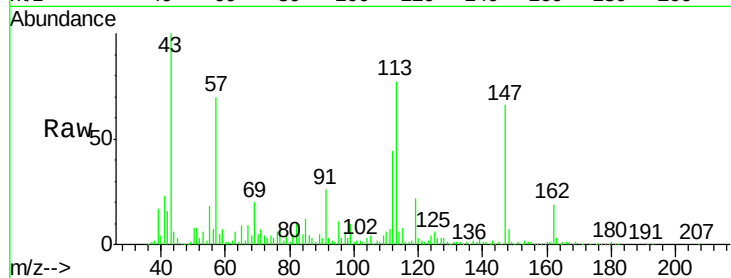




#50
2,6-Dinitrotoluene
Concen: 2.32 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF084178.D
Acq: 31 Dec 2015 6:33

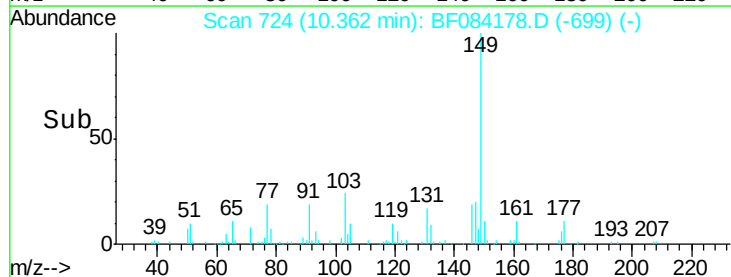
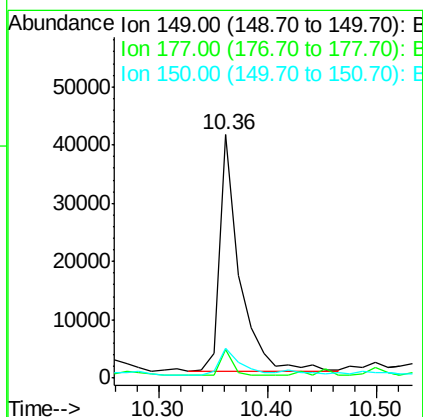
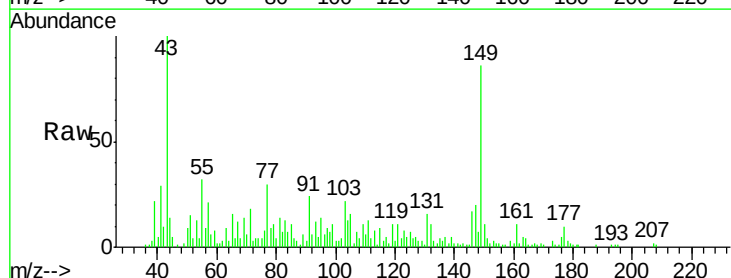
Instrument :
BNA_F
ClientSampleId :

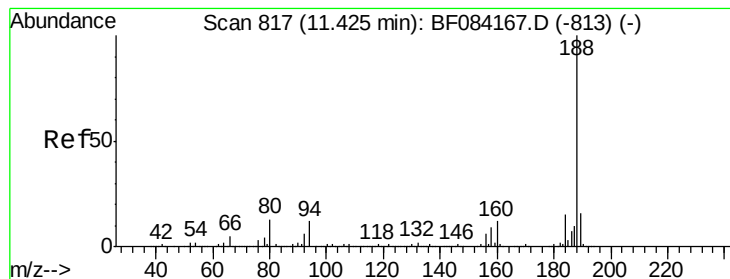
Tot Ion:165 Resp: 3229
Ion Ratio Lower Upper
165 100
63 446.6 28.8 43.2#
89 411.1 32.7 49.1#



#59
Diethylphthalate
Concen: Below Cal
RT: 10.36 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF084178.D
Acq: 31 Dec 2015 6:33

Tgt Ion:149 Resp: 51909
Ion Ratio Lower Upper
149 100
177 11.6 19.1 28.7#
150 12.4 10.6 15.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

Instrument :

BNA_F

ClientSampleId :

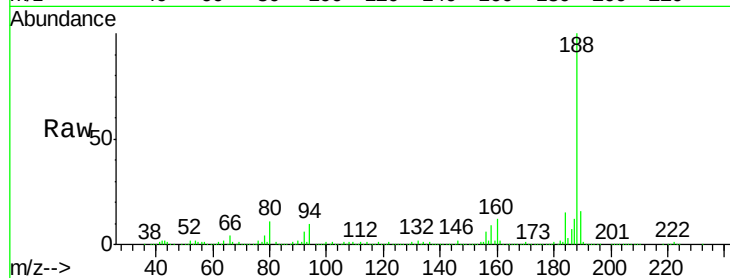
Tot Ion:188 Resp: 1035568

Ion Ratio Lower Upper

188 100

94 10.3 9.2 13.8

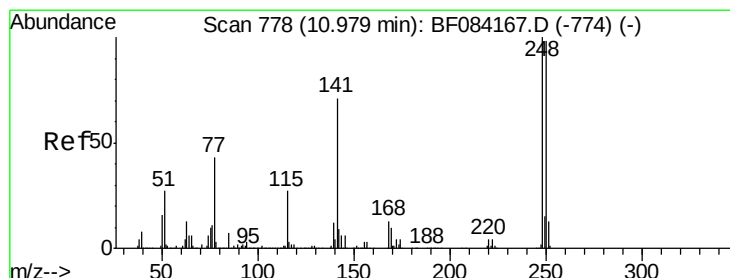
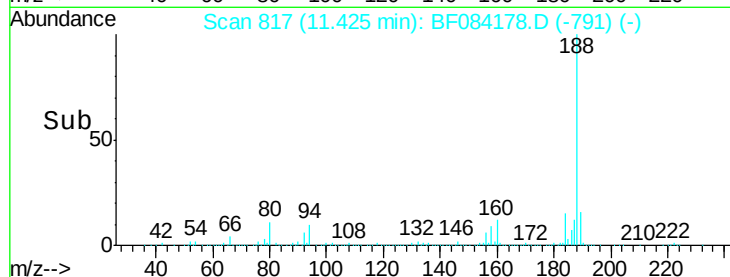
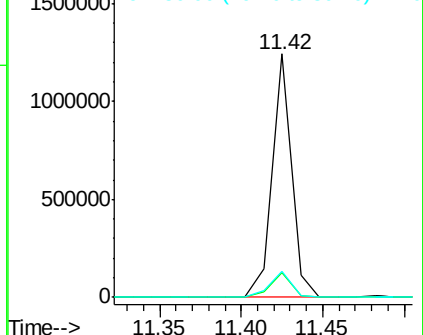
80 10.8 10.1 15.1



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



#66

4-Bromophenyl-phenylether

Concen: 3.85 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

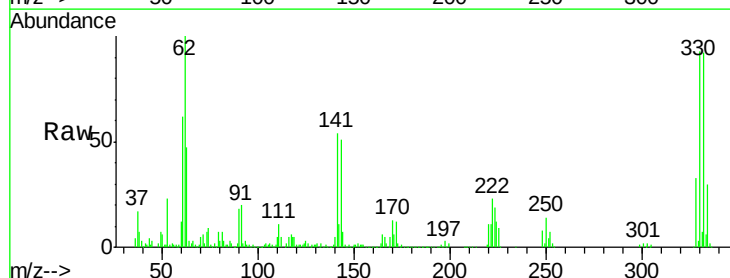
Tgt Ion:248 Resp: 42759

Ion Ratio Lower Upper

248 100

250 189.0 78.7 118.1#

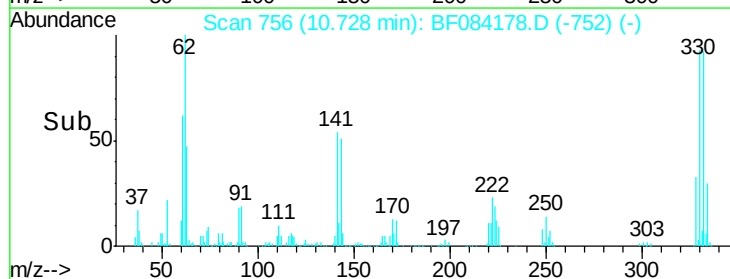
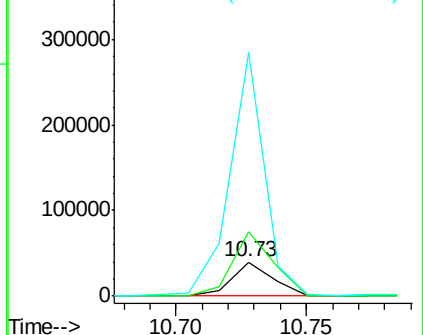
141 715.4 57.1 85.7#

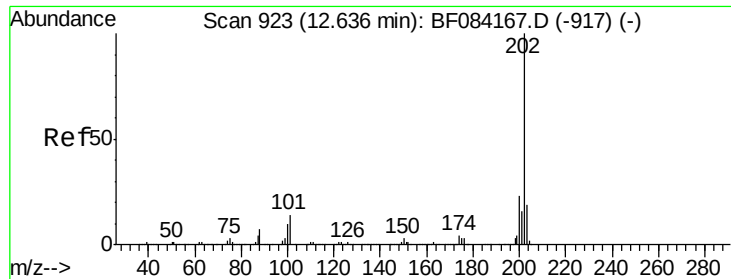


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

Instrument :

BNA_F

ClientSampleId :

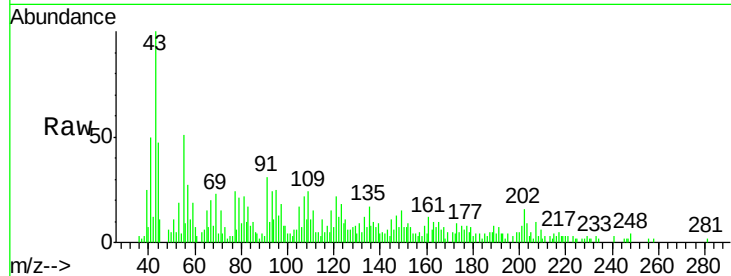
Tot Ion:202 Resp: 2575

Ion Ratio Lower Upper

202 100

101 23.5 0.0 34.0

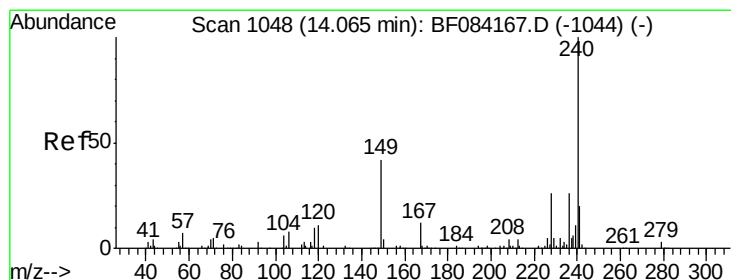
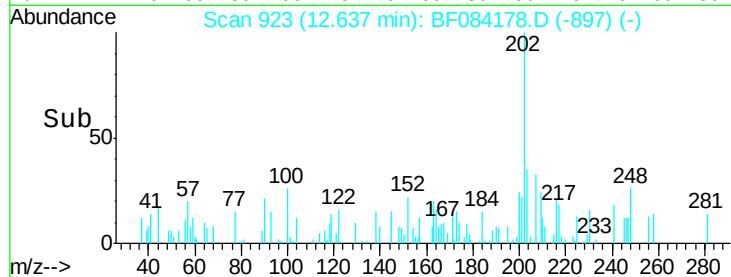
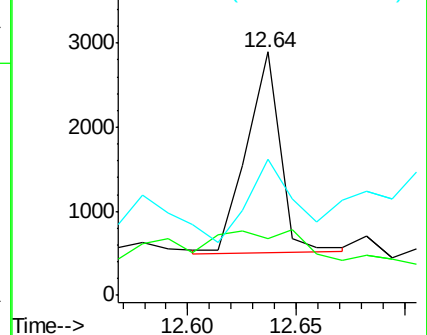
203 56.1 0.0 39.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084178.D

Acq: 31 Dec 2015 6:33

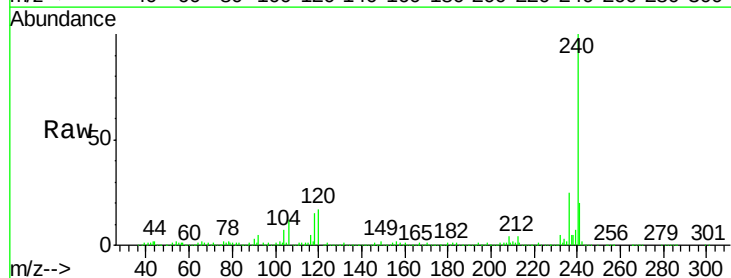
Tgt Ion:240 Resp: 777898

Ion Ratio Lower Upper

240 100

120 17.0 8.8 13.2#

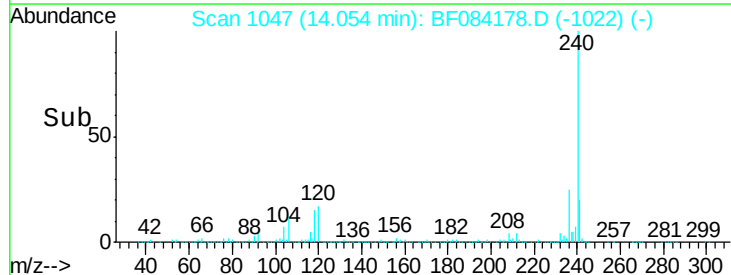
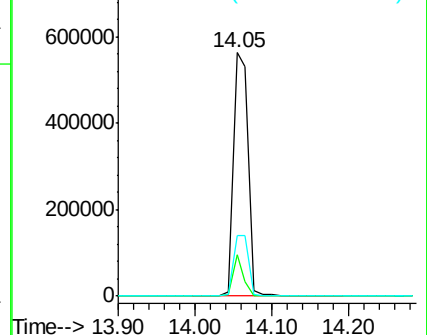
236 24.8 20.8 31.2

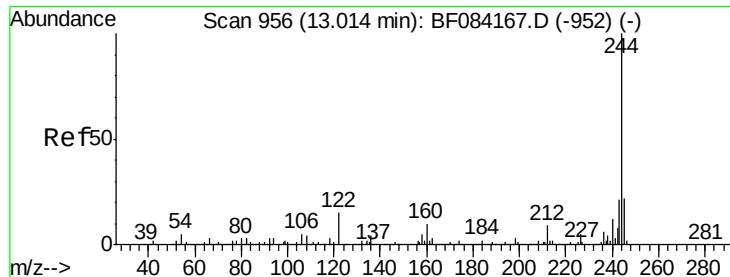


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



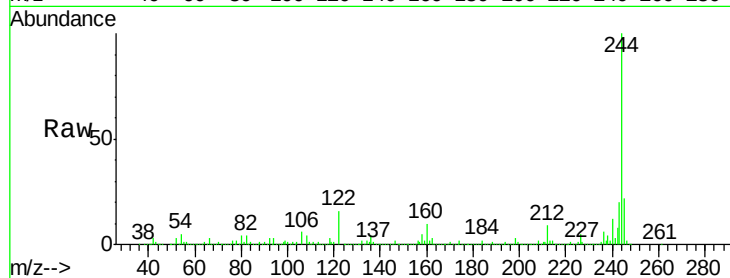


#78
 Terphenyl-d14
 Concen: 84.53 ng
 RT: 13.01 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF084178.D
 Acq: 31 Dec 2015 6:33

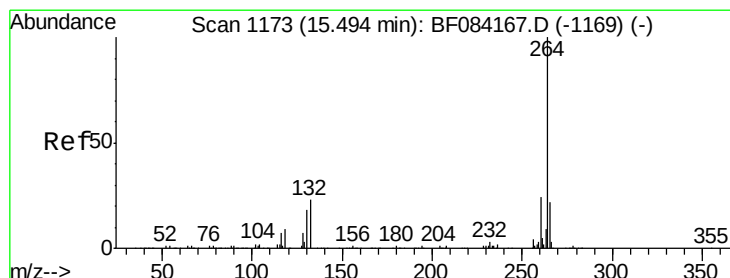
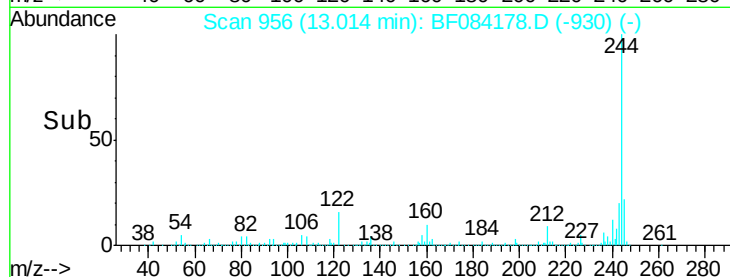
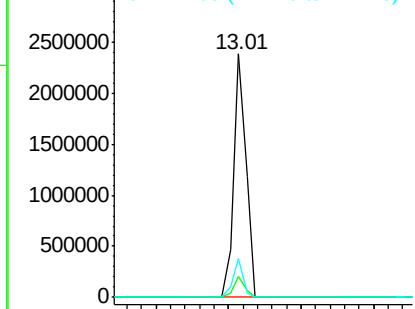
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2791767

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.4
122	15.7	11.9	17.9



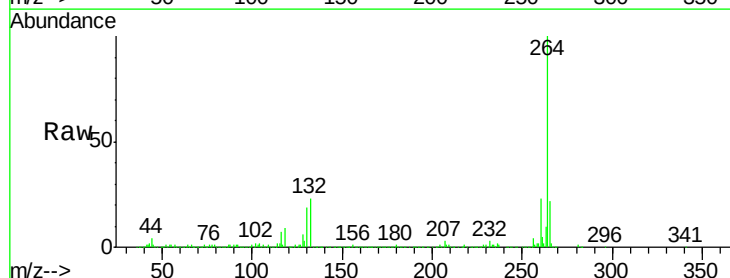
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BF084178.D
 Acq: 31 Dec 2015 6:33

Tgt Ion:264 Resp: 515501

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	21.8	18.0	27.0



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

