

Data Path : Z:\HPCHEM1\BNA F\Data\BF123015\
 Data File : BF084177.D
 Acq On : 31 Dec 2015 6:06
 Operator : UM/SJ
 Sample : G4979-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 31 10:29:23 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	319143	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1324417	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	590586	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1098168	20.00	ng	0.00
75) Chrysene-d12	14.05	240	772670	20.00	ng	-0.01
86) Perylene-d12	15.49	264	574613	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1298502	65.25	ng	0.00
7) Phenol-d6	6.52	99	1249806	48.51	ng	0.00
23) Nitrobenzene-d5	7.47	82	2254475	100.58	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	793815	134.66	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	3055351	89.69	ng	0.00
78) Terphenyl-d14	13.01	244	2634062	80.29	ng	0.00

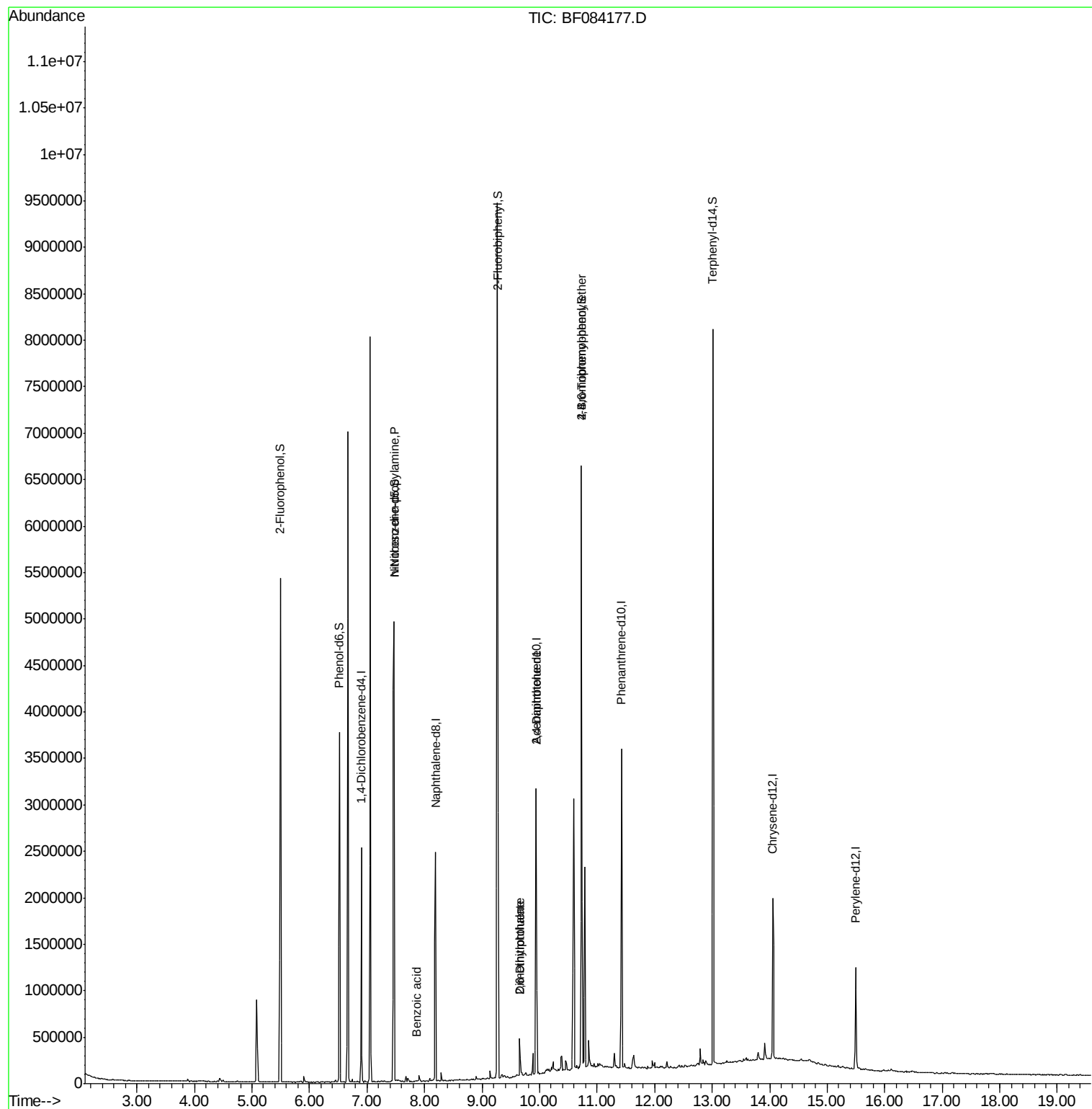
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	2071	Below Cal		88
14) 1,2-Dichlorobenzene	6.92	146	1712	Below Cal		91
19) n-Nitroso-di-n-propylamine	7.47	70	321056	18.93 ng	#	68
26) 2-Nitrophenol	7.72	139	236	Below Cal	#	1
32) Benzoic acid	7.86	122	1331	3.62 ng	#	73
49) Dimethylphthalate	9.65	163	165546	3.90 ng	#	99
50) 2,6-Dinitrotoluene	9.65	165	2732	2.25 ng	#	1
56) 2,4-Dinitrotoluene	9.94	165	80446	7.75 ng	#	42
59) Diethylphthalate	10.36	149	10703	Below Cal		99
60) 4-Chlorophenyl-phenylether	10.32	204	259	Below Cal	#	25
66) 4-Bromophenyl-phenylether	10.73	248	47721	4.05 ng	#	1
73) Di-n-butylphthalate	12.00	149	24698	Below Cal		97
74) Fluoranthene	12.64	202	6875	Below Cal		85

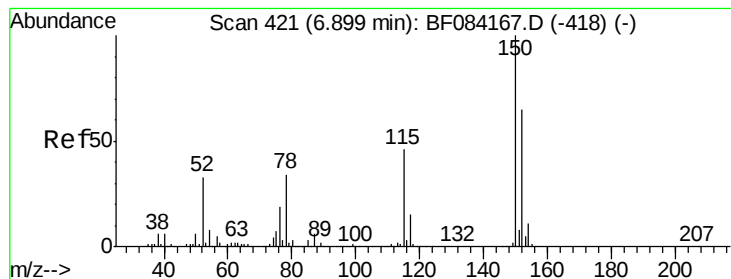
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084177.D

Acq: 31 Dec 2015 6:06

Instrument :

BNA_F

ClientSampleId :

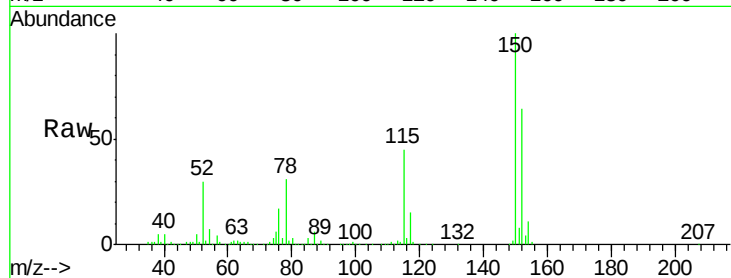
Tot Ion:152 Resp: 319143

Ion Ratio Lower Upper

152 100

150 157.0 123.8 185.8

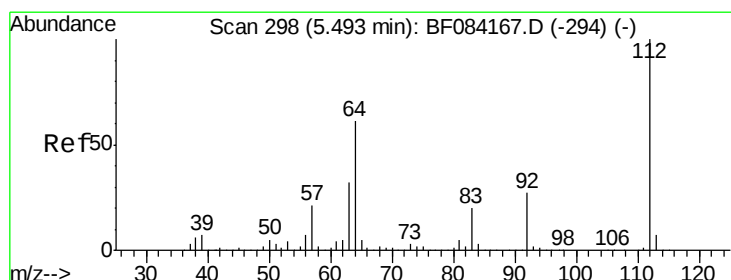
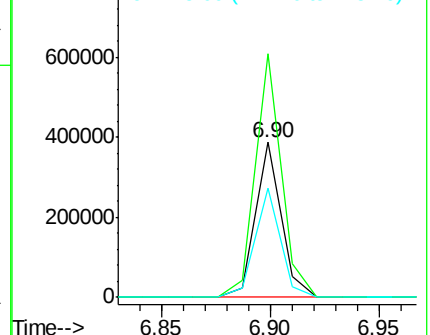
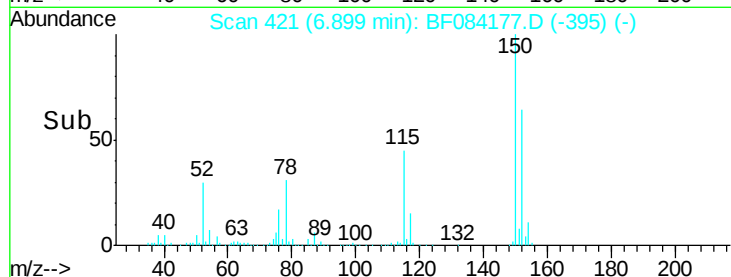
115 70.7 57.1 85.7



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: 65.25 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.00 min

Lab File: BF084177.D

Acq: 31 Dec 2015 6:06

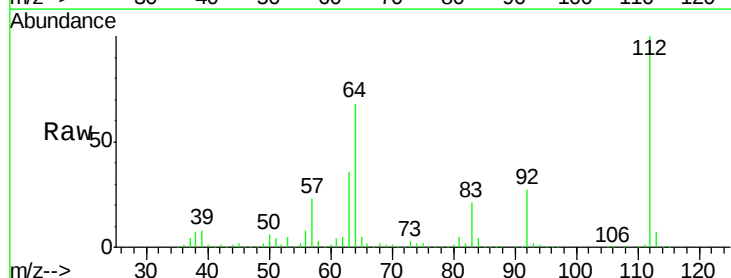
Tgt Ion:112 Resp: 1298502

Ion Ratio Lower Upper

112 100

64 67.5 48.7 73.1

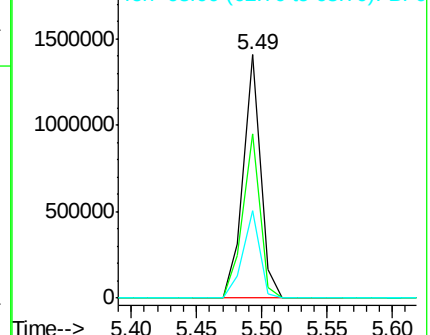
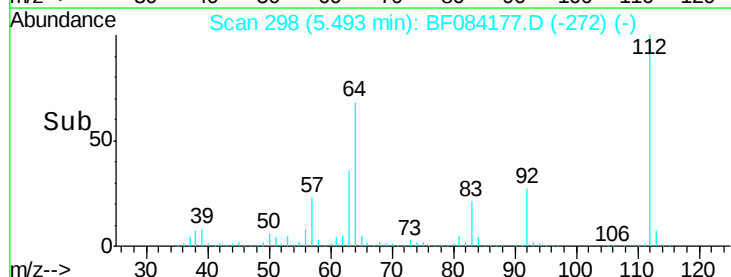
63 35.9 25.9 38.9

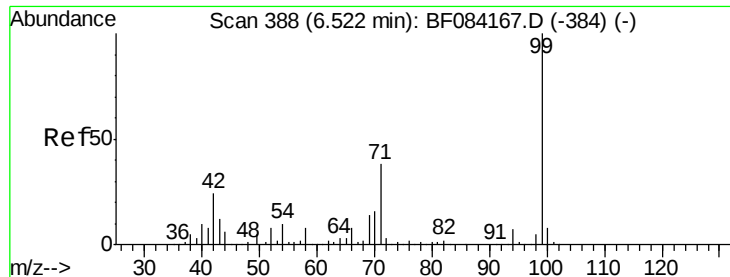


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 48.51 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF084177.D

Acq: 31 Dec 2015 6:06

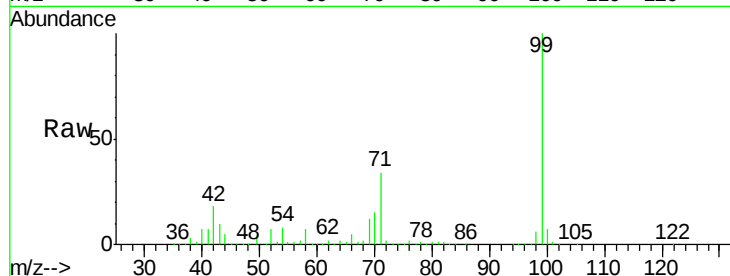
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1249806

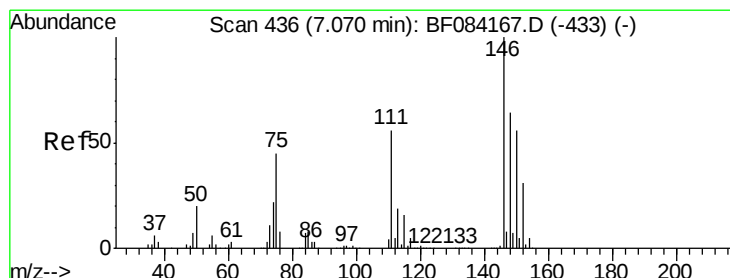
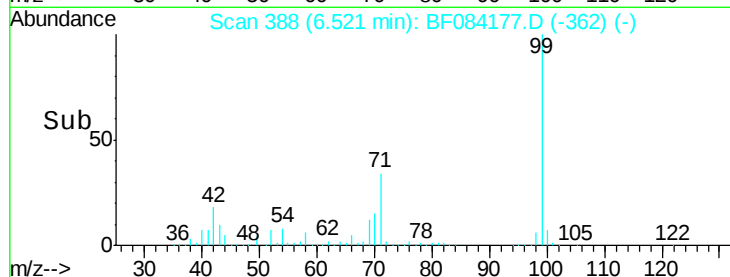
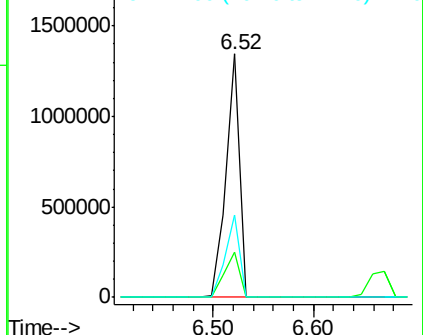
Ion	Ratio	Lower	Upper
99	100		
42	18.3	19.2	28.8#
71	34.0	30.4	45.6



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



#14

1,2-Dichlorobenzene

Concen: Below Cal

RT: 6.92 min Scan# 423

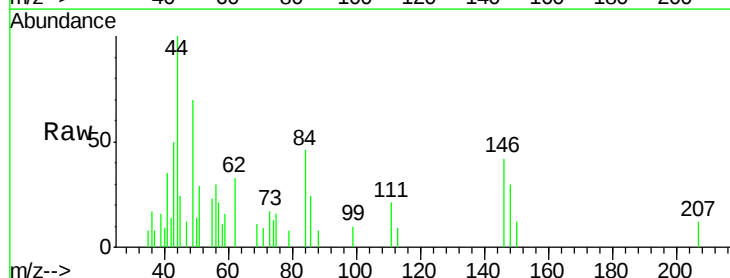
Delta R.T. -0.15 min

Lab File: BF084177.D

Acq: 31 Dec 2015 6:06

Tgt Ion: 146 Resp: 1712

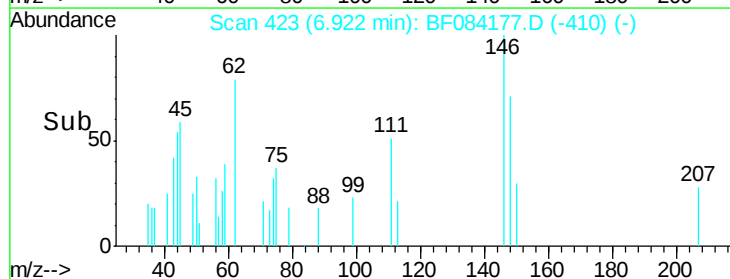
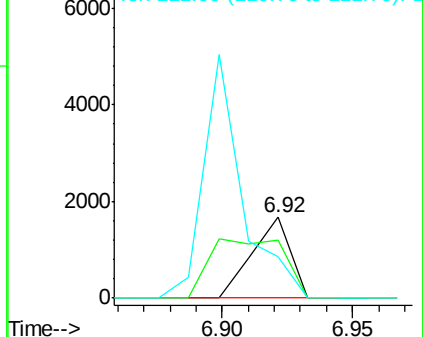
Ion	Ratio	Lower	Upper
146	100		
148	71.4	51.3	76.9
111	50.6	45.0	67.4

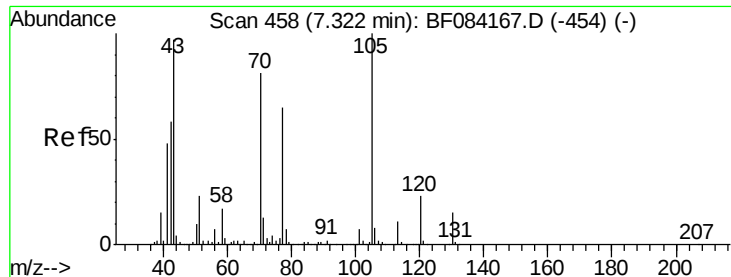


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

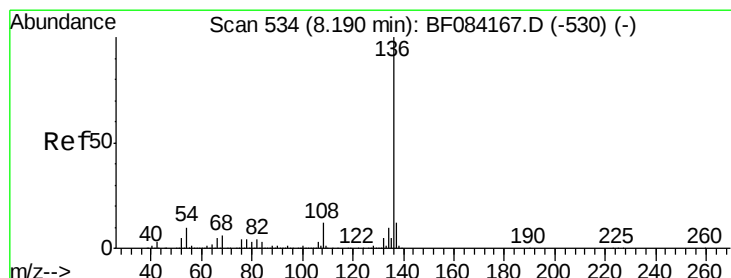
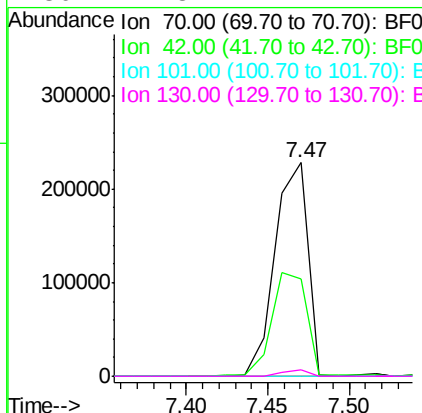
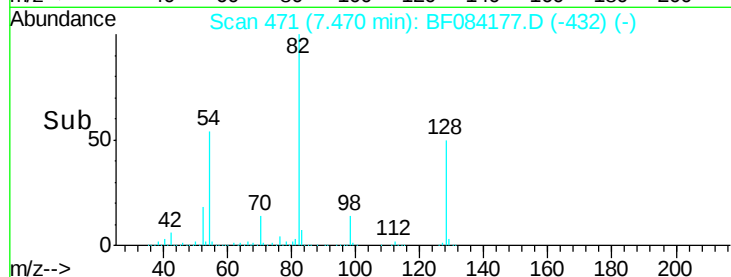
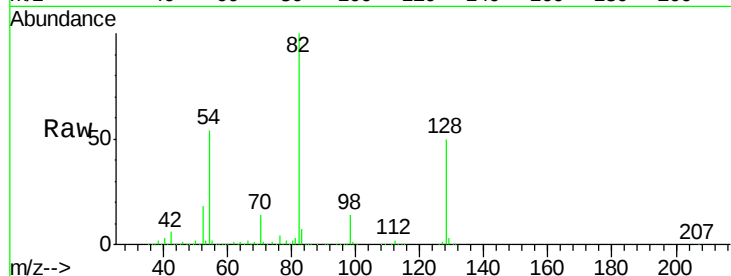




#19
n-Nitroso-di-n-propylamine
Concen: 18.93 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.15 min
Lab File: BF084177.D
Acq: 31 Dec 2015 6:06

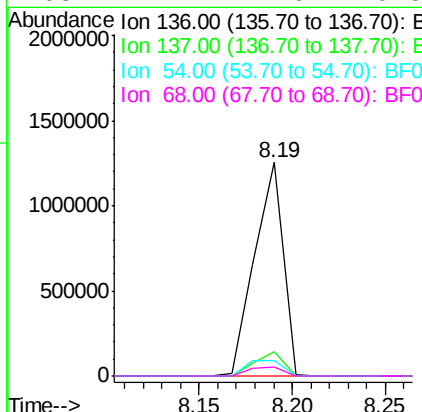
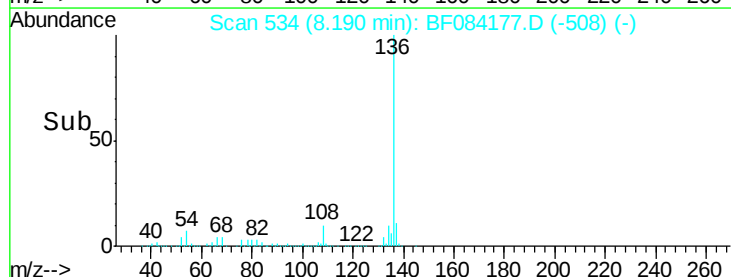
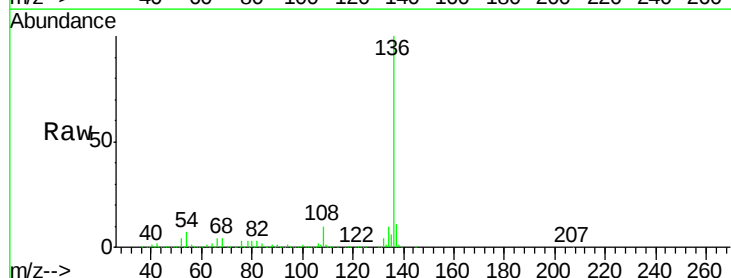
Instrument :
BNA_F
ClientSampleId :

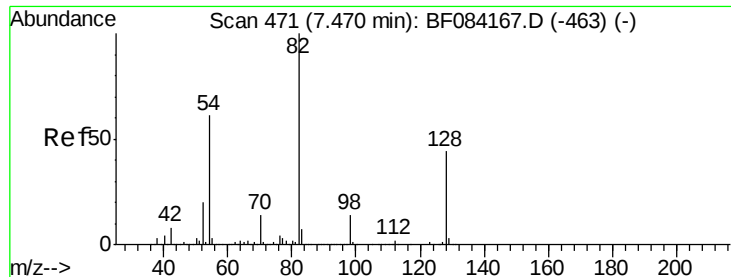
Tot Ion: 70 Resp: 321056
Ion Ratio Lower Upper
70 100
42 45.5 57.4 86.0#
101 0.0 7.3 10.9#
130 2.8 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF084177.D
Acq: 31 Dec 2015 6:06

Tgt Ion: 136 Resp: 1324417
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.0
54 7.1 7.6 11.4#
68 4.4 4.6 6.8#

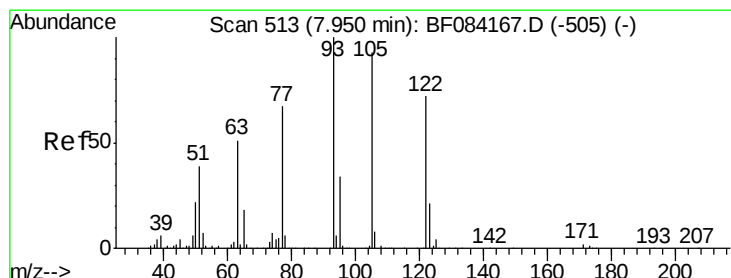
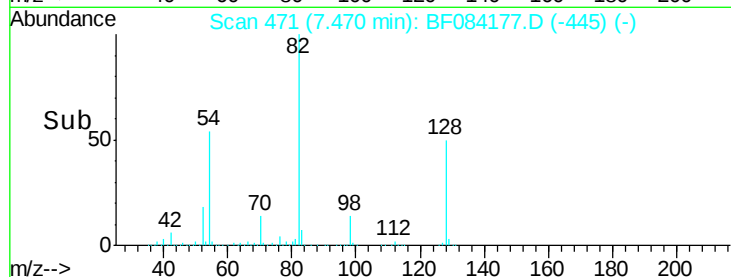
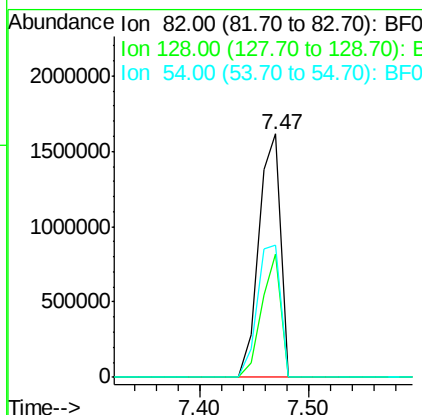
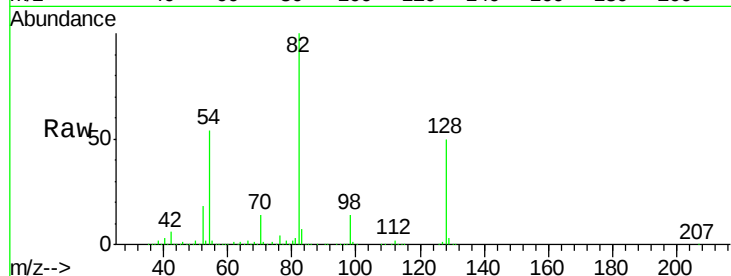




#23
 Nitrobenzene-d5
 Concen: 100.58 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: BF084177.D
 Acq: 31 Dec 2015 6:06

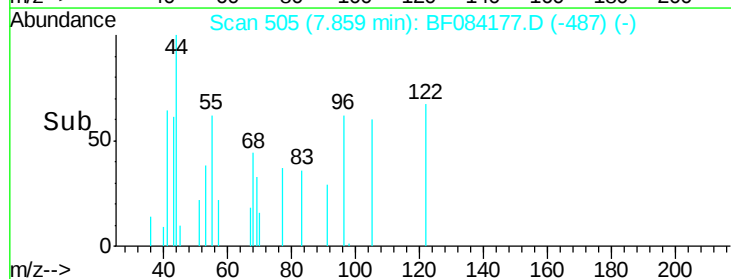
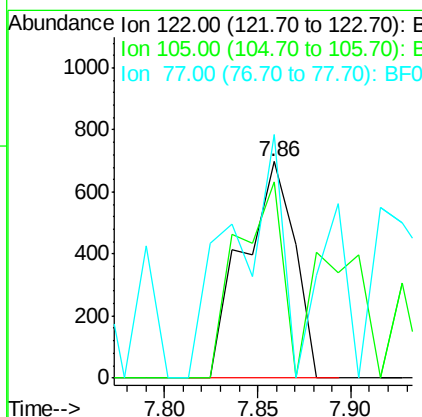
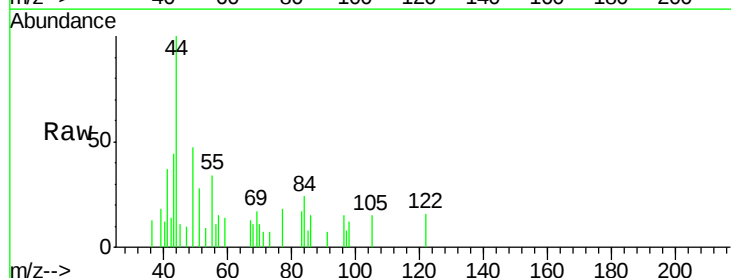
Instrument :
 BNA_F
 ClientSampled :

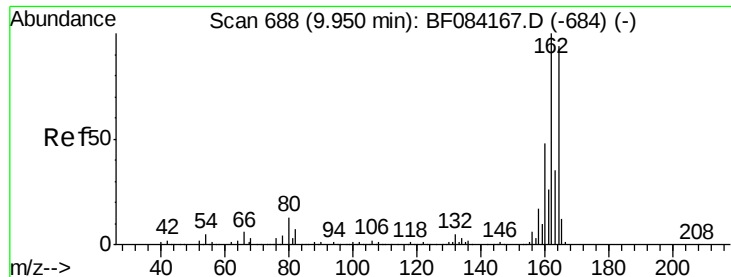
Tot Ion: 82 Resp: 2254475
 Ion Ratio Lower Upper
 82 100
 128 50.4 35.0 52.4
 54 54.3 48.5 72.7



#32
 Benzoic acid
 Concen: 3.62 ng
 RT: 7.86 min Scan# 505
 Delta R.T. -0.09 min
 Lab File: BF084177.D
 Acq: 31 Dec 2015 6:06

Tgt Ion:122 Resp: 1331
 Ion Ratio Lower Upper
 122 100
 105 90.7 108.6 148.6#
 77 112.6 74.1 114.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF084177.D

Acq: 31 Dec 2015 6:06

Instrument :

BNA_F

ClientSampleId :

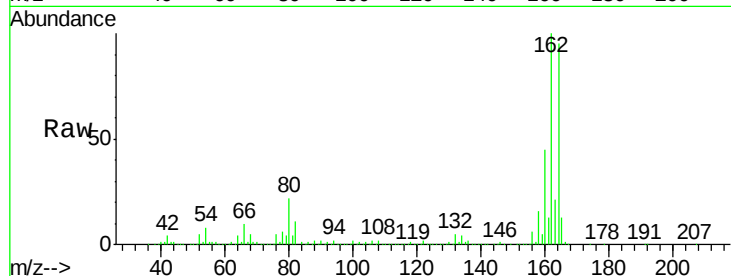
Tot Ion:164 Resp: 590586

Ion Ratio Lower Upper

164 100

162 104.9 84.8 127.2

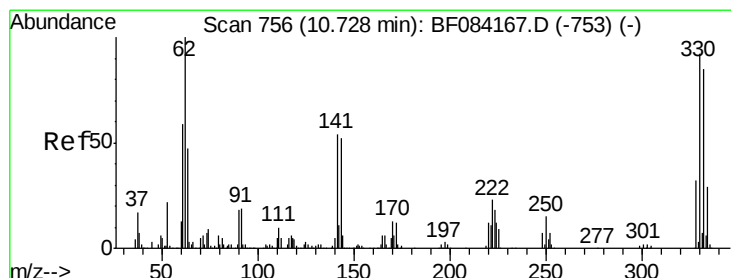
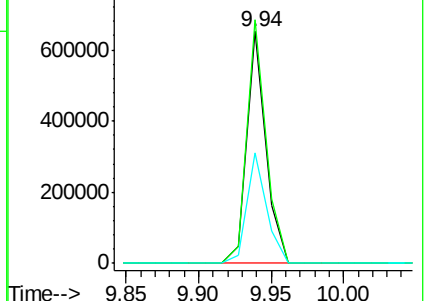
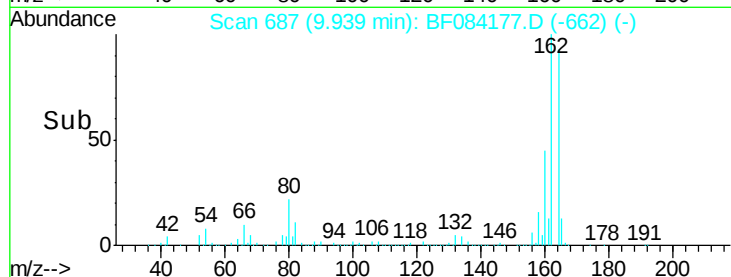
160 47.6 40.4 60.6



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: 134.66 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF084177.D

Acq: 31 Dec 2015 6:06

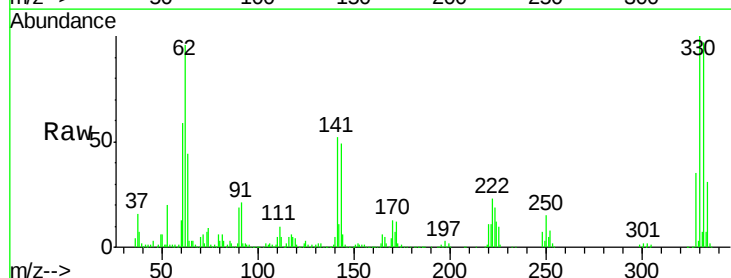
Tgt Ion:330 Resp: 793815

Ion Ratio Lower Upper

330 100

332 98.3 76.2 114.2

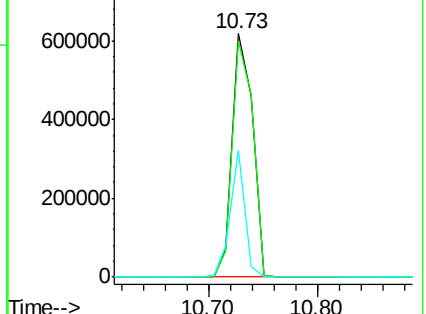
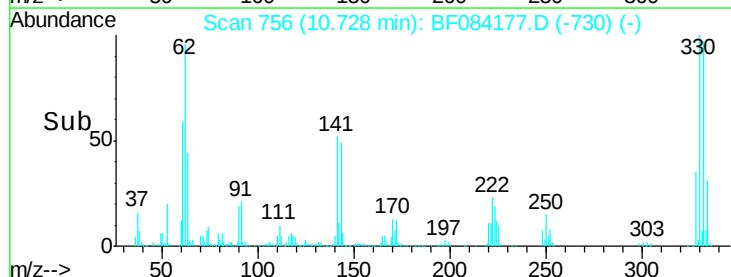
141 37.2 31.3 46.9

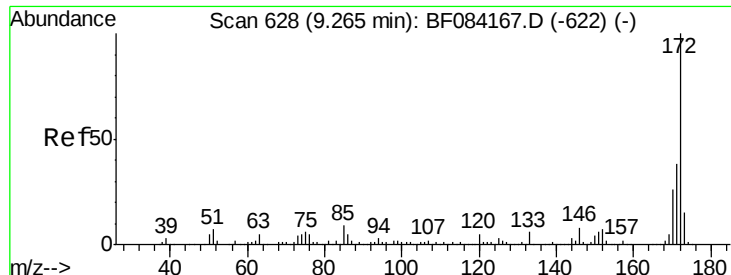


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

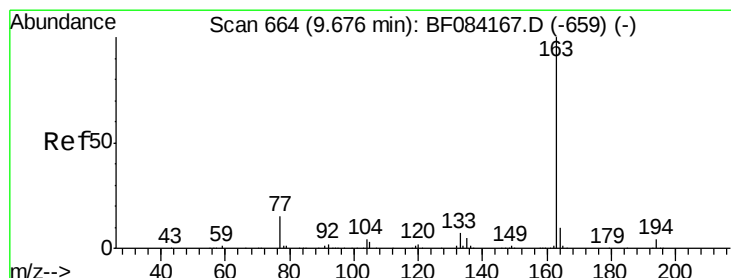
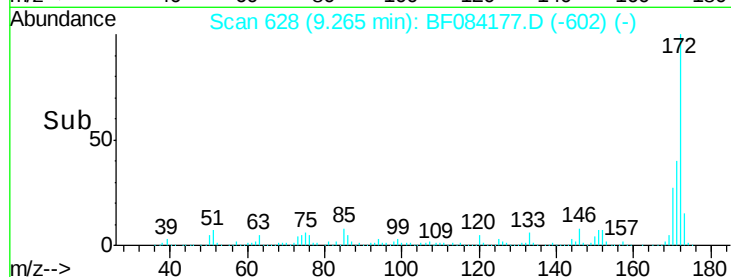
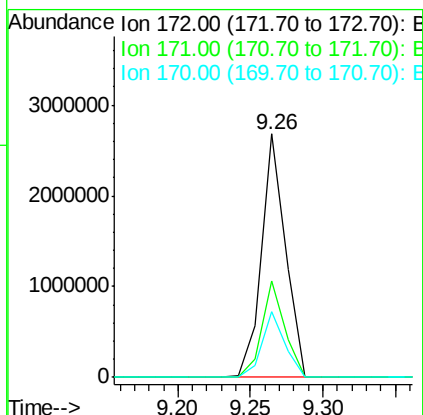
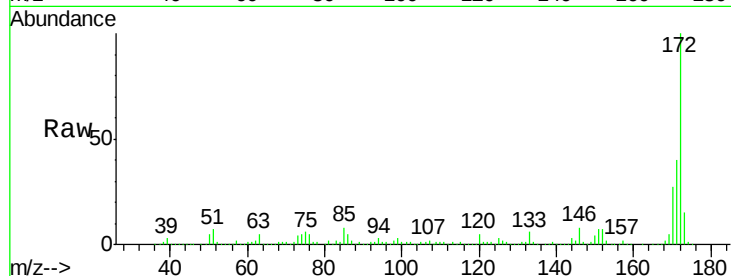




#44
2-Fluorobiphenyl
Concen: 89.69 ng
RT: 9.26 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF084177.D
Acq: 31 Dec 2015 6:06

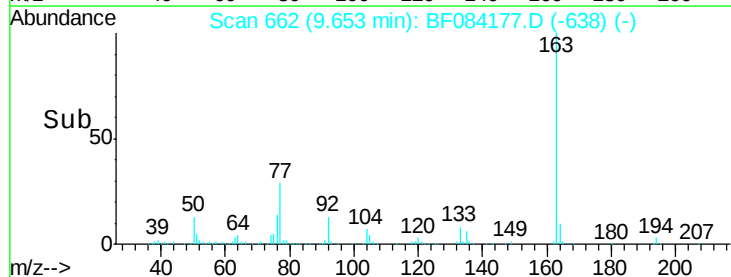
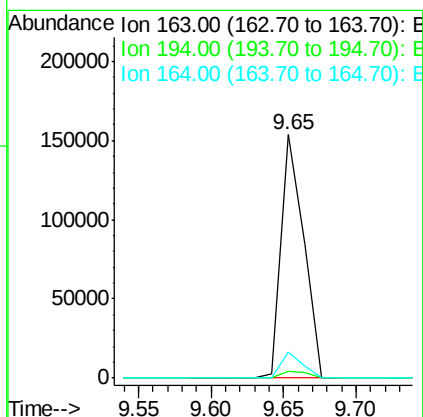
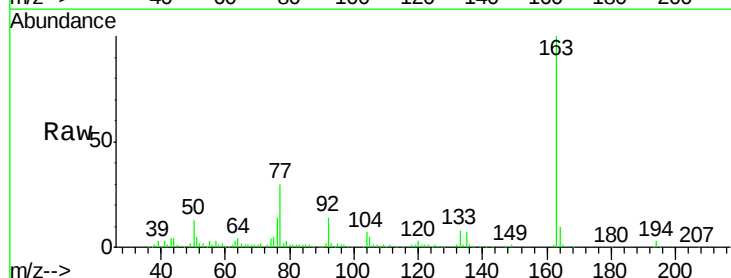
Instrument :
BNA_F
ClientSampleId :

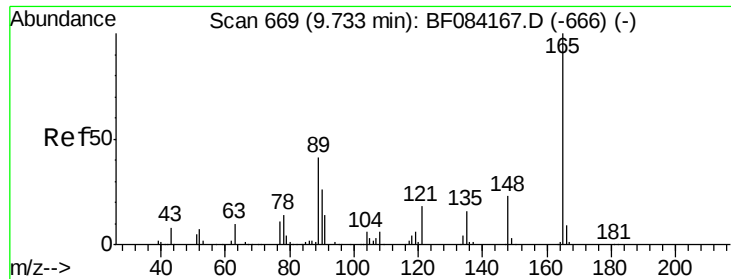
Tot Ion:172 Resp: 3055351
Ion Ratio Lower Upper
172 100
171 39.5 30.6 46.0
170 27.2 20.6 30.8



#49
Dimethylphthalate
Concen: 3.90 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF084177.D
Acq: 31 Dec 2015 6:06

Tgt Ion:163 Resp: 165546
Ion Ratio Lower Upper
163 100
194 2.9 3.0 4.6#
164 10.5 8.2 12.4

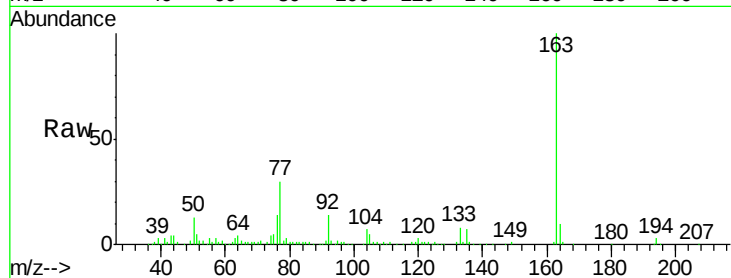




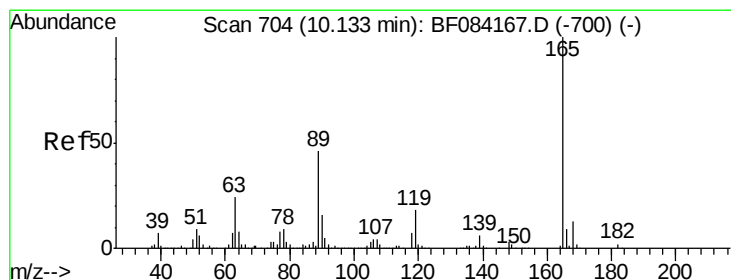
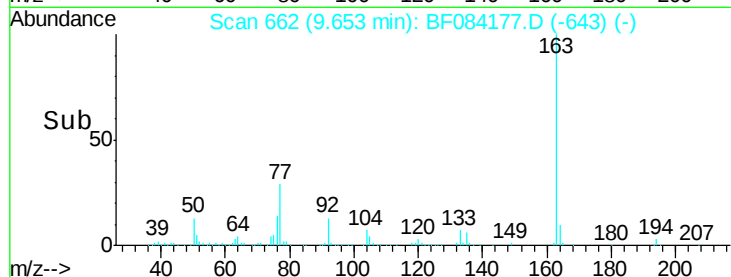
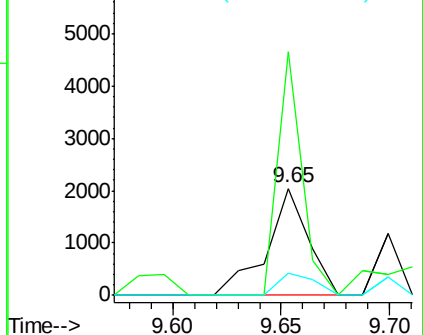
#50
2,6-Dinitrotoluene
Concen: 2.25 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.08 min
Lab File: BF084177.D
Acq: 31 Dec 2015 6:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 2732
Ion Ratio Lower Upper
165 100
63 227.8 28.8 43.2#
89 20.3 32.7 49.1#

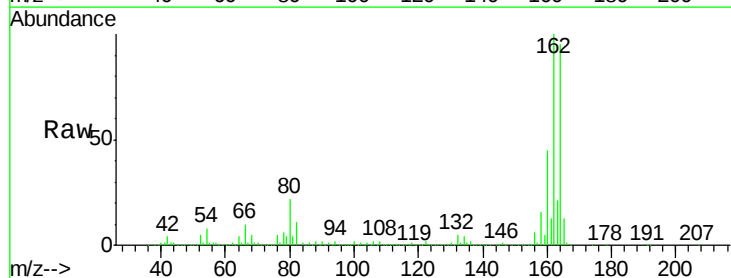


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

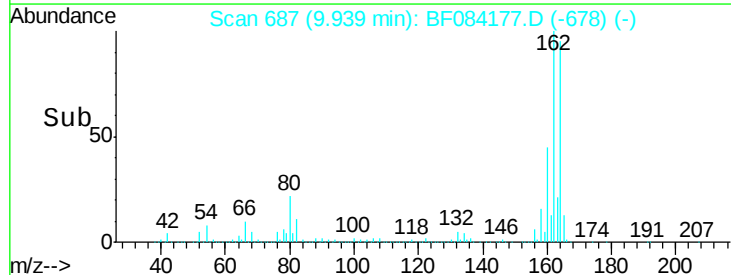
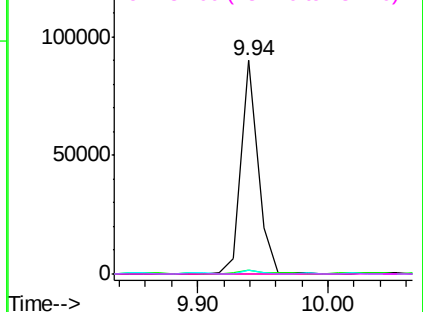


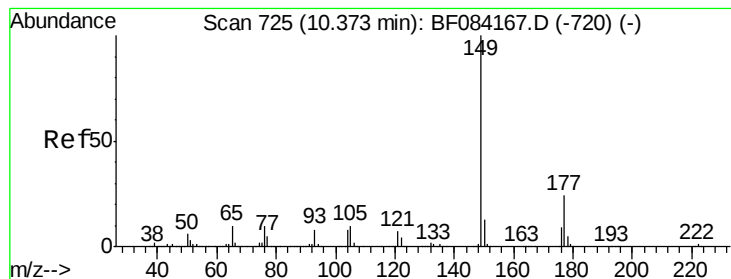
#56
2,4-Dinitrotoluene
Concen: 7.75 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.19 min
Lab File: BF084177.D
Acq: 31 Dec 2015 6:06

Tgt Ion:165 Resp: 80446
Ion Ratio Lower Upper
165 100
63 1.6 19.4 29.2#
89 1.8 37.0 55.6#
182 0.0 1.8 2.8#



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





#59

Diethylphthalate

Concen: Below Cal

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF084177.D

Acq: 31 Dec 2015 6:06

Instrument :

BNA_F

ClientSampleId :

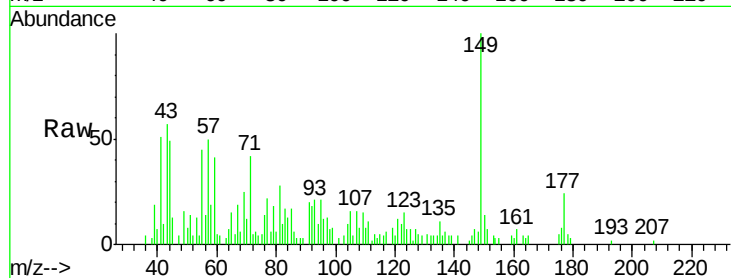
Tot Ion:149 Resp: 10703

Ion Ratio Lower Upper

149 100

177 23.6 19.1 28.7

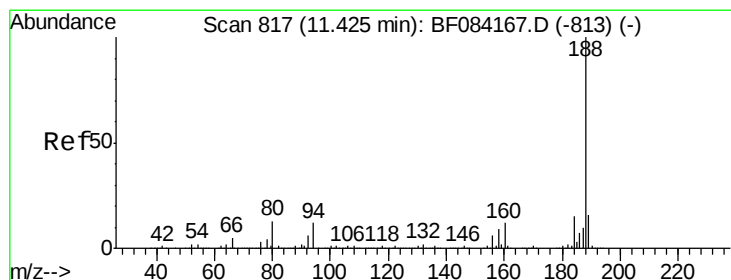
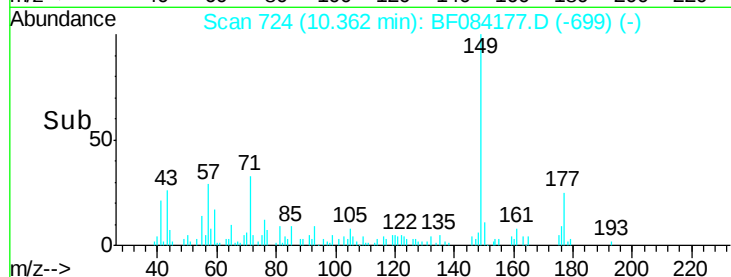
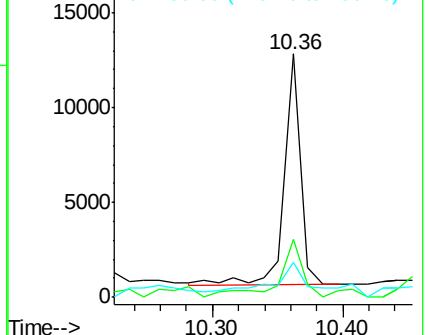
150 14.3 10.6 15.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF084177.D

Acq: 31 Dec 2015 6:06

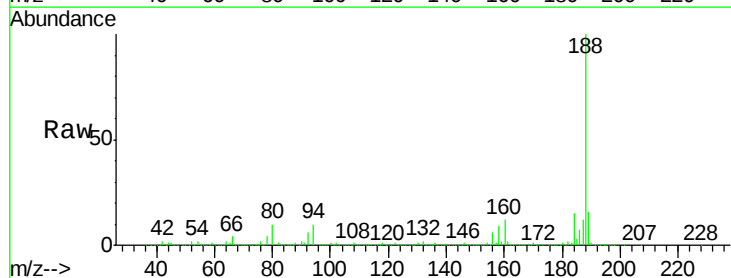
Tgt Ion:188 Resp: 1098168

Ion Ratio Lower Upper

188 100

94 9.6 9.2 13.8

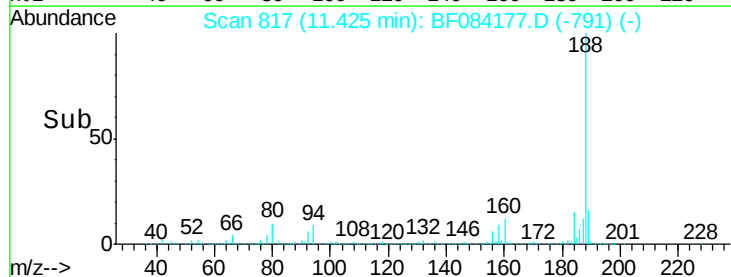
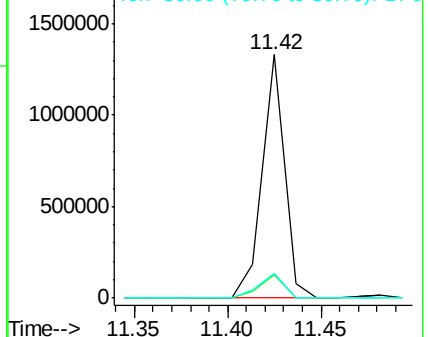
80 10.1 10.1 15.1

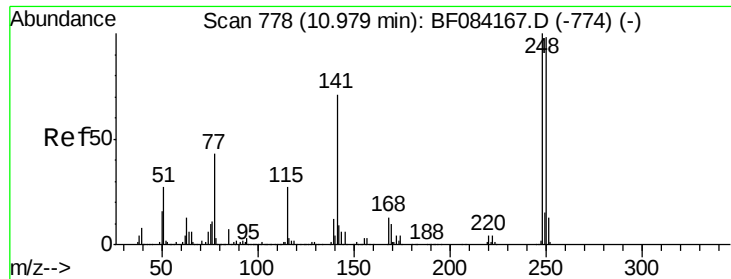


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

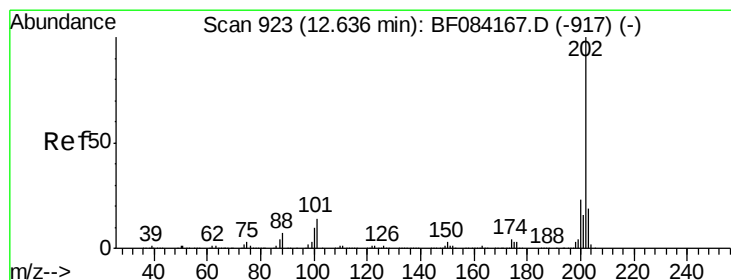
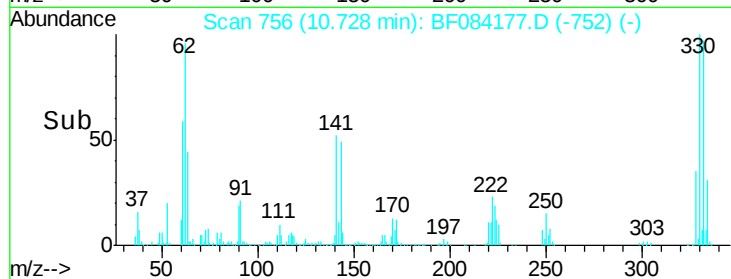
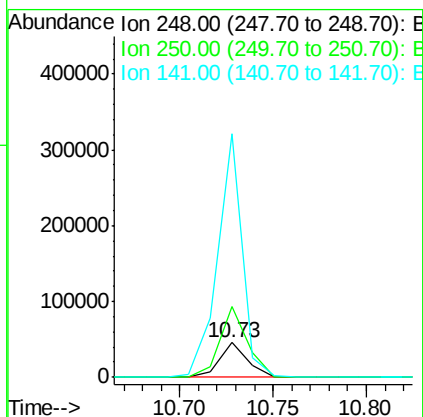
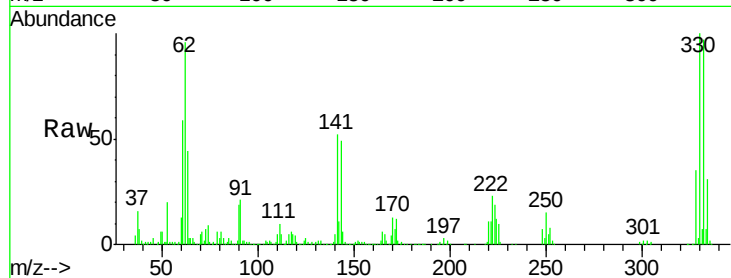




#66
4-Bromophenyl-phenylether
Concen: 4.05 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.25 min
Lab File: BF084177.D
Acq: 31 Dec 2015 6:06

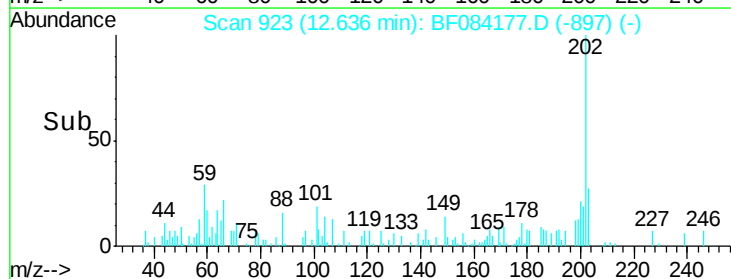
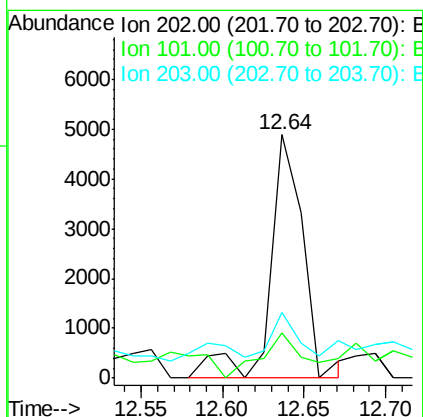
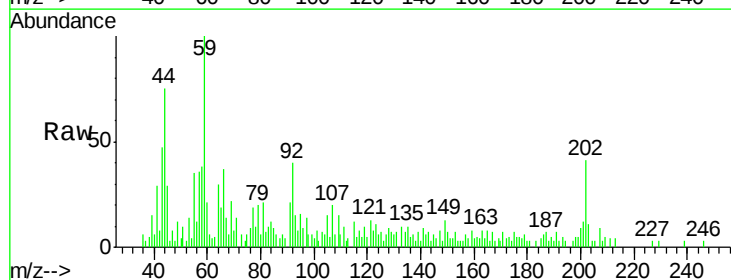
Instrument :
BNA_F
ClientSampleId :

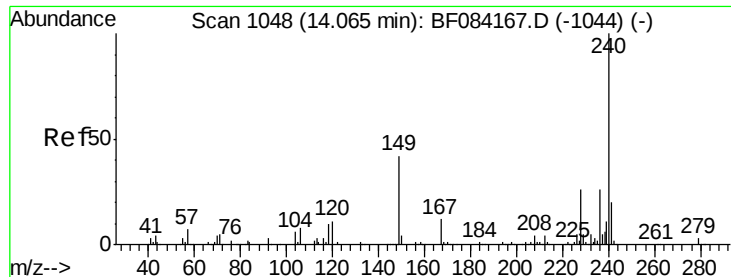
Tot Ion:248 Resp: 47721
Ion Ratio Lower Upper
248 100
250 203.6 78.7 118.1#
141 699.8 57.1 85.7#



#74
Fluoranthene
Concen: Below Cal
RT: 12.64 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF084177.D
Acq: 31 Dec 2015 6:06

Tgt Ion:202 Resp: 6875
Ion Ratio Lower Upper
202 100
101 18.8 0.0 34.0
203 26.9 0.0 39.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084177.D

Acq: 31 Dec 2015 6:06

Instrument :

BNA_F

ClientSampleId :

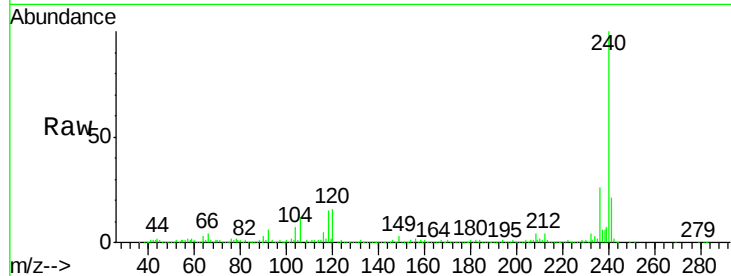
Tot Ion:240 Resp: 772670

Ion Ratio Lower Upper

240 100

120 16.3 8.8 13.2#

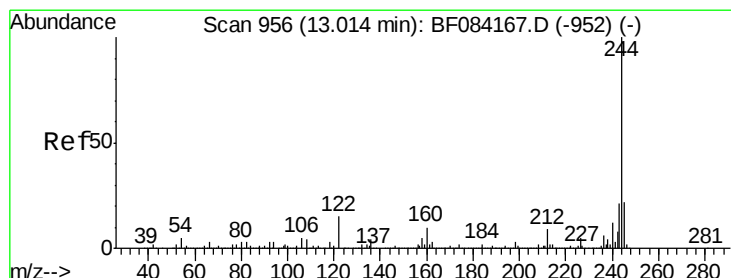
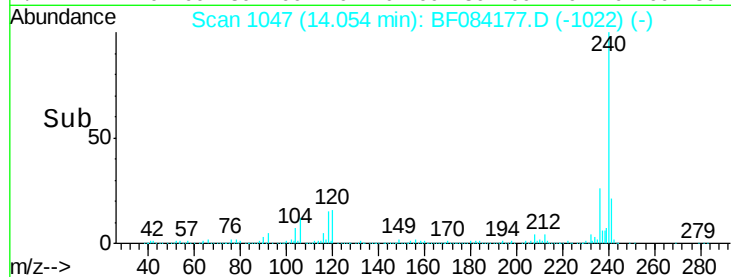
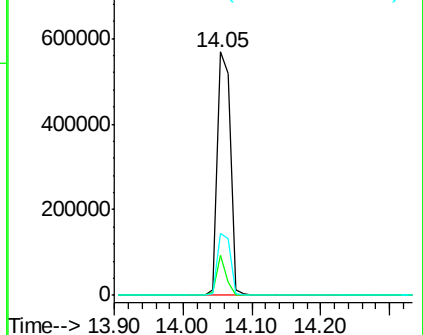
236 25.5 20.8 31.2



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: 80.29 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF084177.D

Acq: 31 Dec 2015 6:06

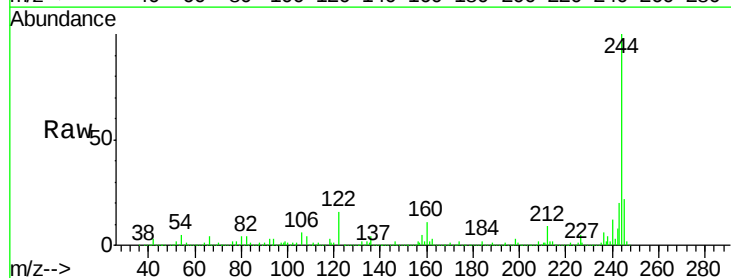
Tgt Ion:244 Resp: 2634062

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.4

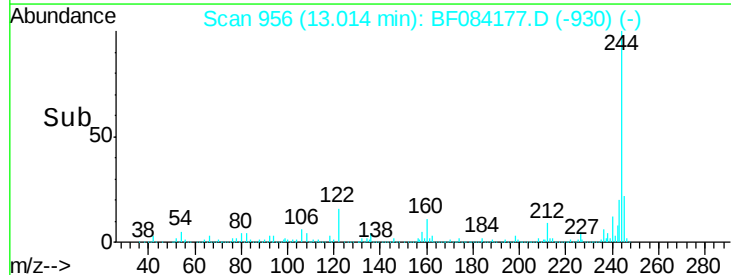
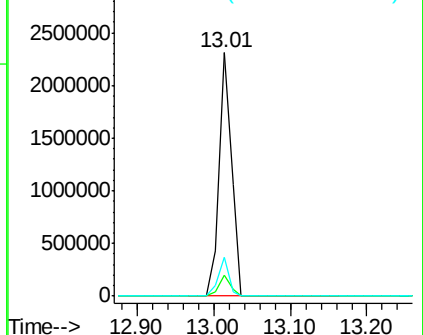
122 16.0 11.9 17.9

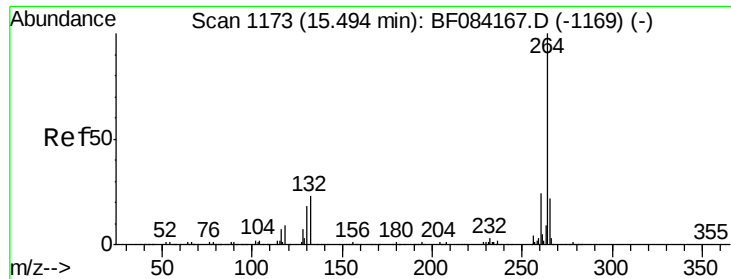


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

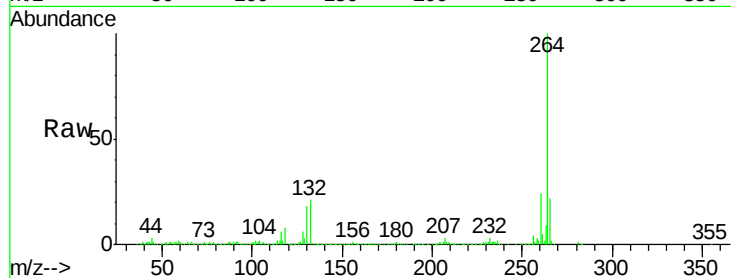




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF084177.D
Acq: 31 Dec 2015 6:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	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

