

Data Path : Z:\HPCHEM1\BNA F\Data\BF123015\
 Data File : BF084181.D
 Acq On : 31 Dec 2015 7:55
 Operator : UM/SJ
 Sample : G4979-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 31 16:10:07 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	320833	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1303983	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	577179	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1050809	20.00	ng	0.00
75) Chrysene-d12	14.07	240	858719	20.00	ng	0.00
86) Perylene-d12	15.49	264	612407	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1354648	67.71	ng	0.00
7) Phenol-d6	6.52	99	1271748	49.11	ng	0.00
23) Nitrobenzene-d5	7.47	82	2084244	94.44	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	797433	138.42	ng	0.01
44) 2-Fluorobiphenyl	9.26	172	2944018	87.96	ng	0.00
78) Terphenyl-d14	13.01	244	2713039	74.41	ng	0.00

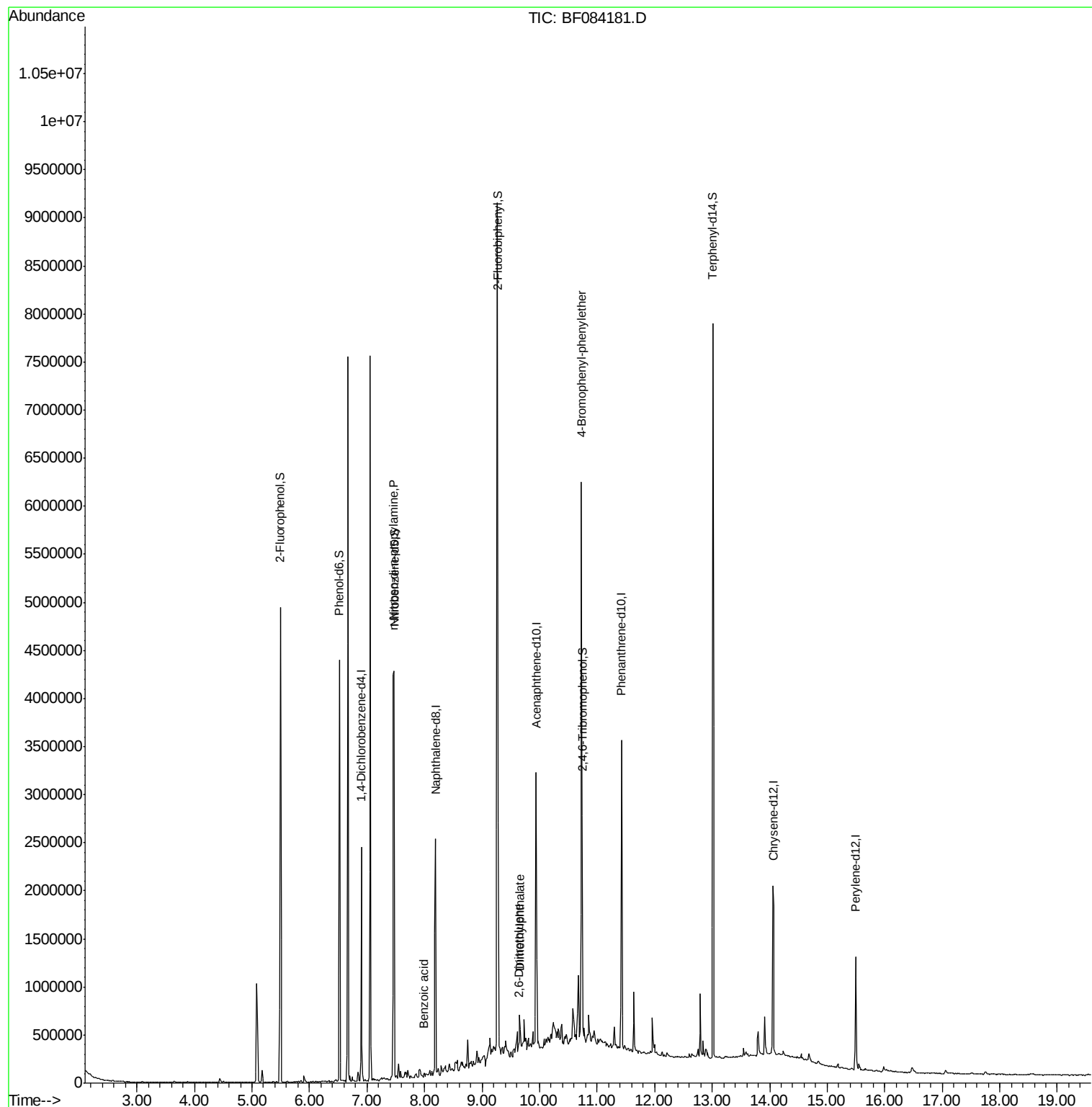
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	2952	Below Cal		93
14) 1,2-Dichlorobenzene	7.07	146	1307	Below Cal	#	19
19) n-Nitroso-di-n-propylamine	7.46	70	291527	17.10	ng	# 78
26) 2-Nitrophenol	7.85	139	546	Below Cal	#	1
32) Benzoic acid	8.00	122	633	3.58	ng	# 32
49) Dimethylphthalate	9.65	163	168692	4.07	ng	# 96
50) 2,6-Dinitrotoluene	9.64	165	8262	2.75	ng	# 75
59) Diethylphthalate	10.36	149	15871	Below Cal	#	95
60) 4-Chlorophenyl-phenylether	10.46	204	4272	Below Cal	#	43
66) 4-Bromophenyl-phenylether	10.73	248	47844	4.24	ng	# 1
73) Di-n-butylphthalate	12.00	149	33046	Below Cal		97
74) Fluoranthene	12.65	202	16688	Below Cal		99

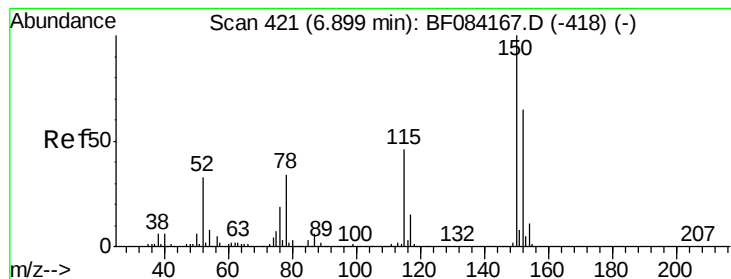
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084181.D

Acq: 31 Dec 2015 7:55

Instrument :

BNA_F

ClientSampleId :

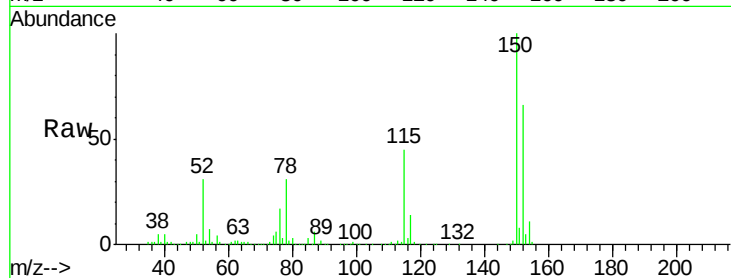
Tot Ion:152 Resp: 320833

Ion Ratio Lower Upper

152 100

150 151.0 123.8 185.8

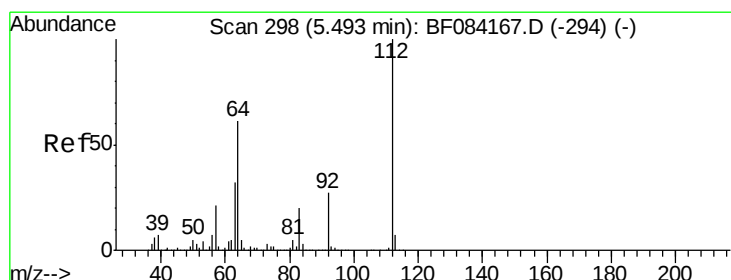
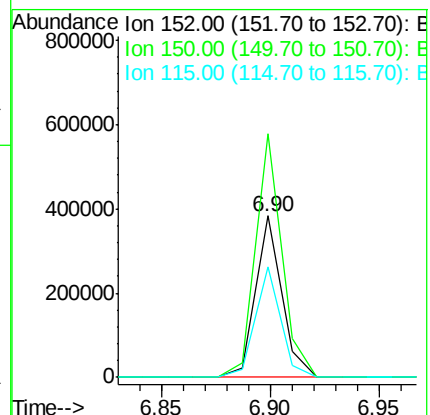
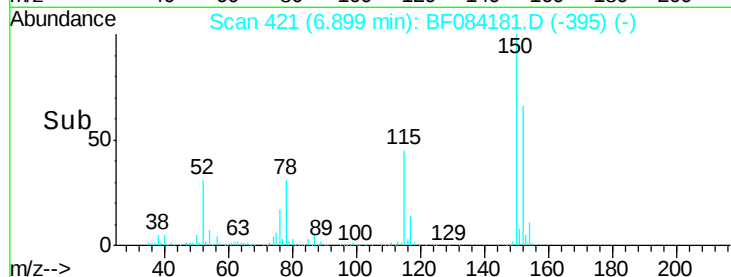
115 68.3 57.1 85.7



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: 67.71 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.00 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

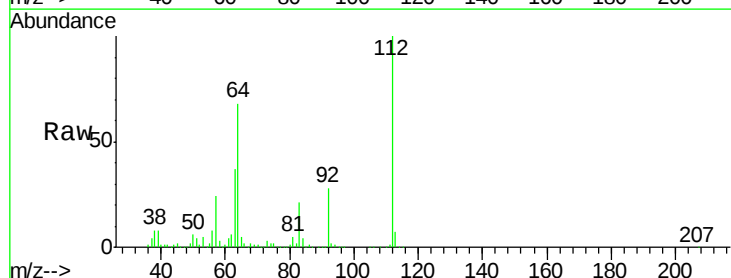
Tgt Ion:112 Resp: 1354648

Ion Ratio Lower Upper

112 100

64 68.4 48.7 73.1

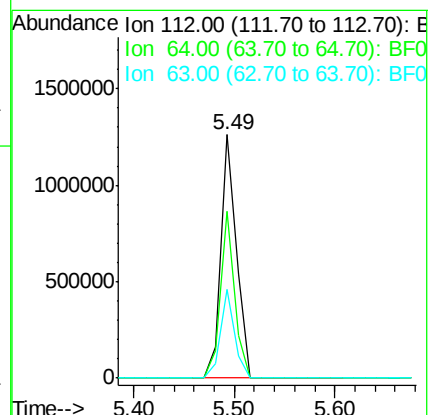
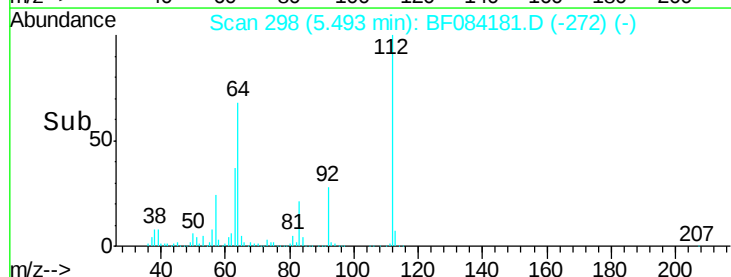
63 36.6 25.9 38.9

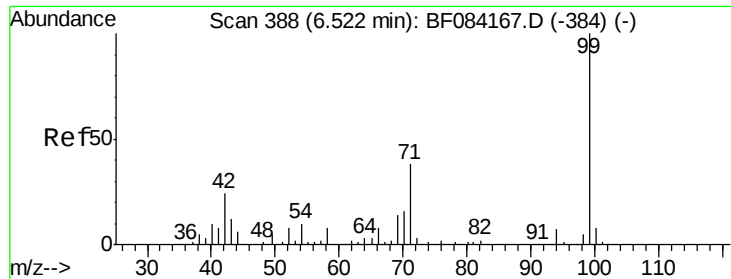


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 49.11 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

Instrument :

BNA_F

ClientSampleId :

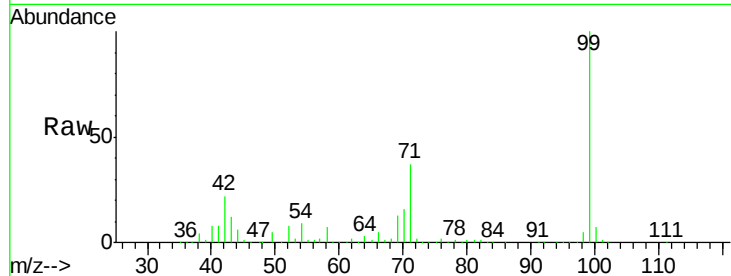
Tot Ion: 99 Resp: 1271748

Ion Ratio Lower Upper

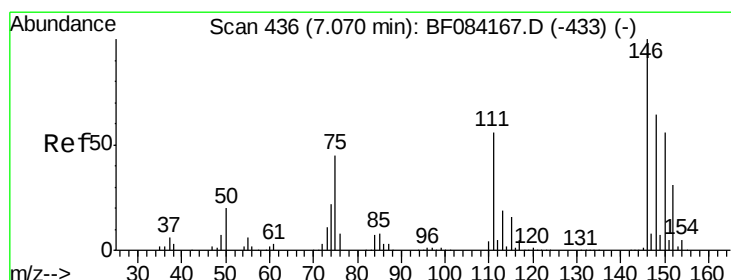
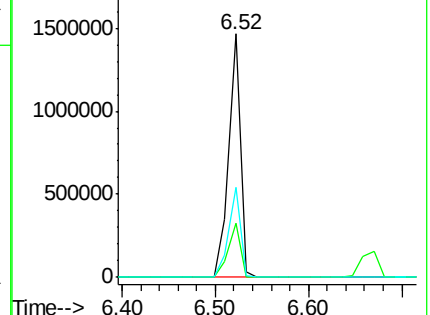
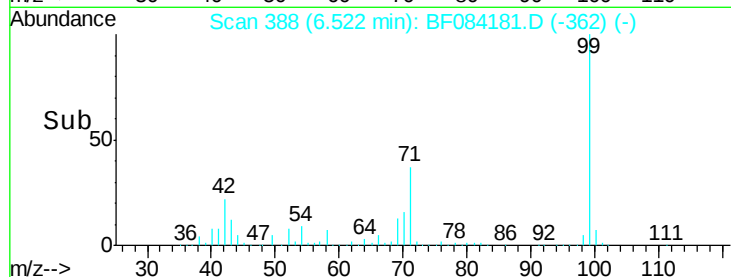
99 100

42 22.1 19.2 28.8

71 37.0 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: 7.07 min Scan# 436

Delta R.T. 0.00 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

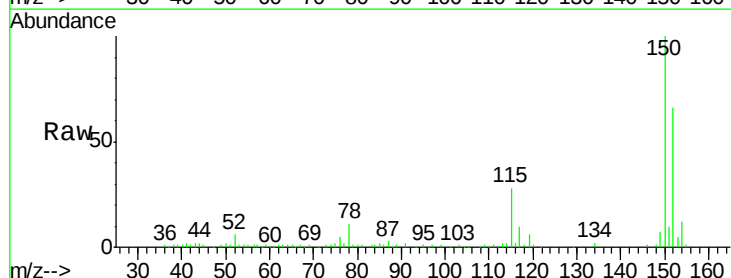
Tgt Ion: 146 Resp: 1307

Ion Ratio Lower Upper

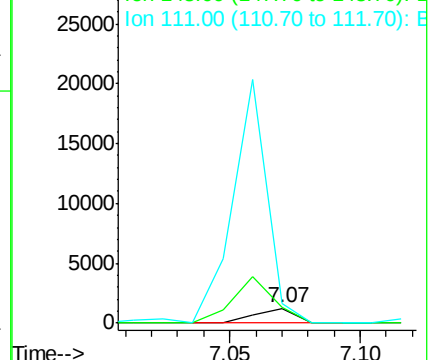
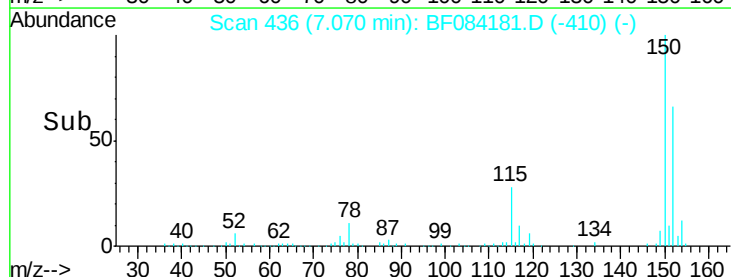
146 100

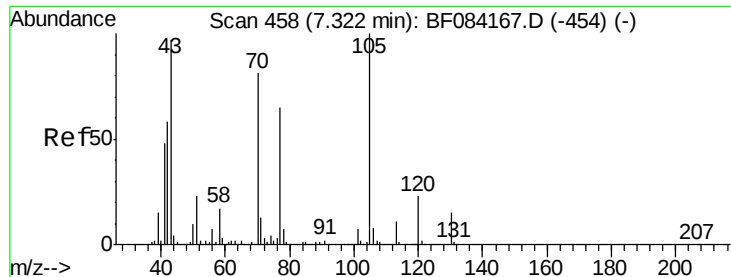
148 106.6 51.3 76.9#

111 137.5 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

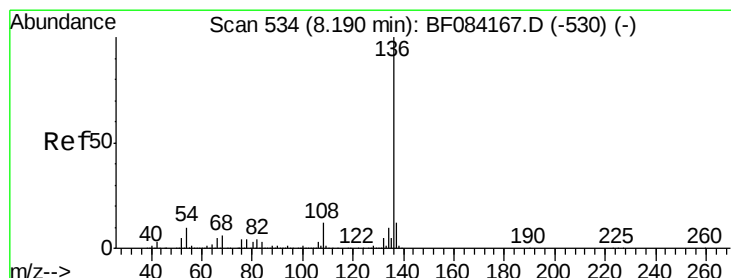
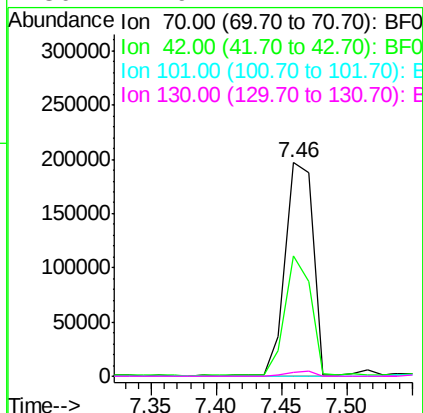
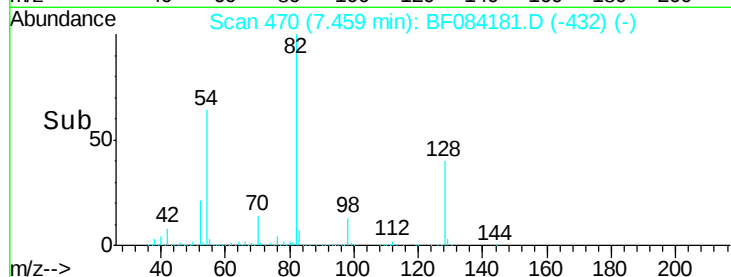
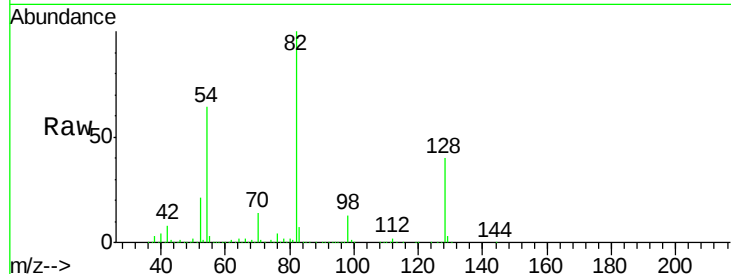




#19
n-Nitroso-di-n-propylamine
Concen: 17.10 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF084181.D
Acq: 31 Dec 2015 7:55

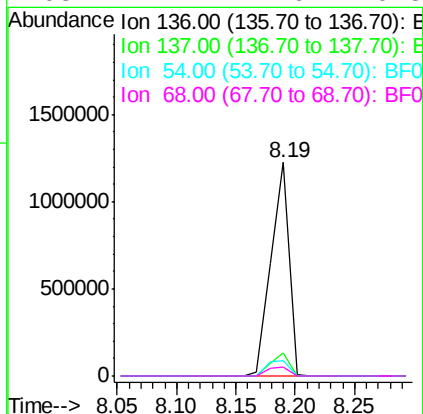
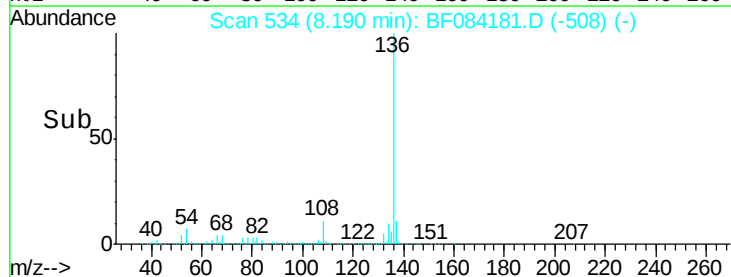
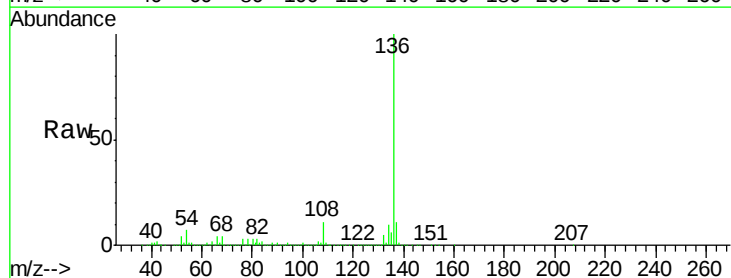
Instrument :
BNA_F
ClientSampleId :

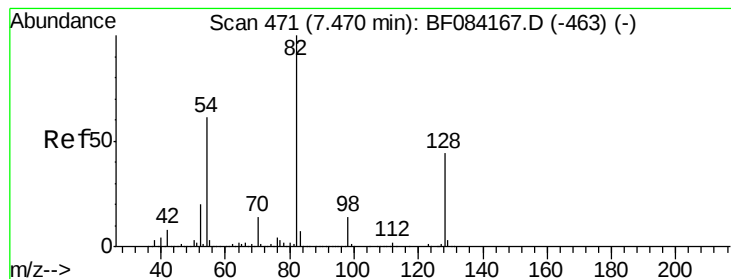
Tot Ion: 70 Resp: 291527
Ion Ratio Lower Upper
70 100
42 56.5 57.4 86.0#
101 0.0 7.3 10.9#
130 1.9 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF084181.D
Acq: 31 Dec 2015 7:55

Tgt Ion:136 Resp: 1303983
Ion Ratio Lower Upper
136 100
137 11.1 9.4 14.0
54 7.5 7.6 11.4#
68 4.4 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 94.44 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.00 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

Instrument :

BNA_F

ClientSampleId :

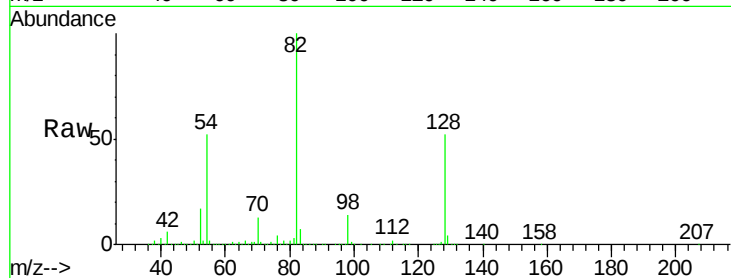
Tot Ion: 82 Resp: 2084244

Ion Ratio Lower Upper

82 100

128 51.7 35.0 52.4

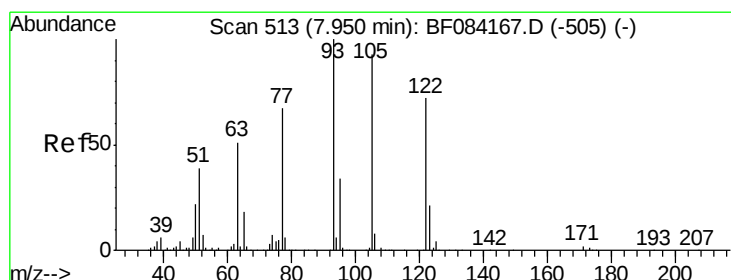
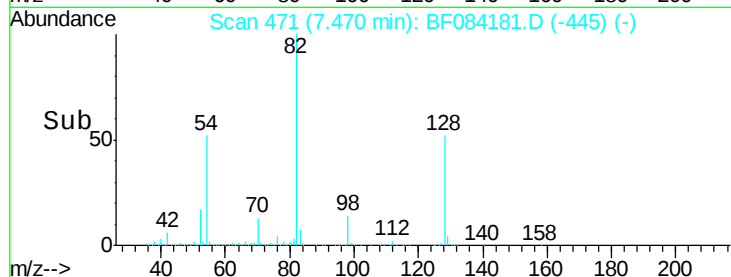
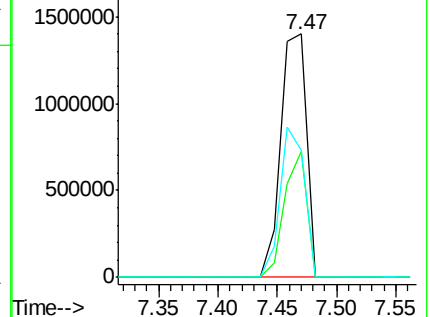
54 52.0 48.5 72.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#32

Benzoic acid

Concen: 3.58 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.05 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

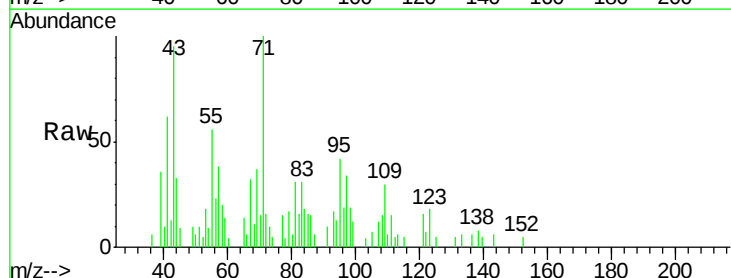
Tgt Ion:122 Resp: 633

Ion Ratio Lower Upper

122 100

105 96.0 108.6 148.6#

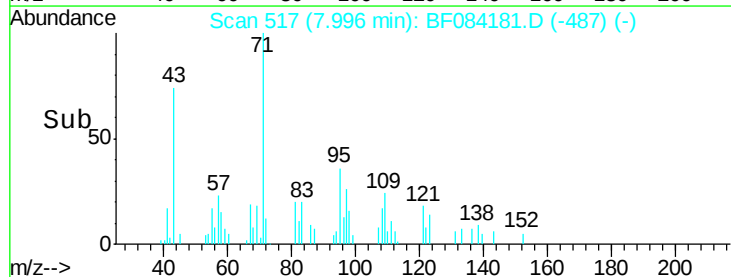
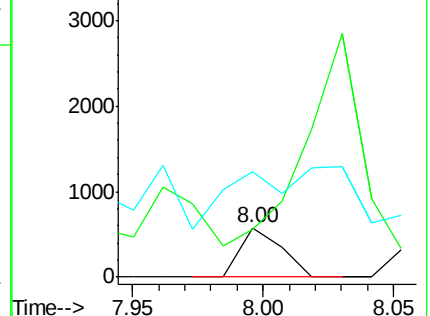
77 212.6 74.1 114.1#

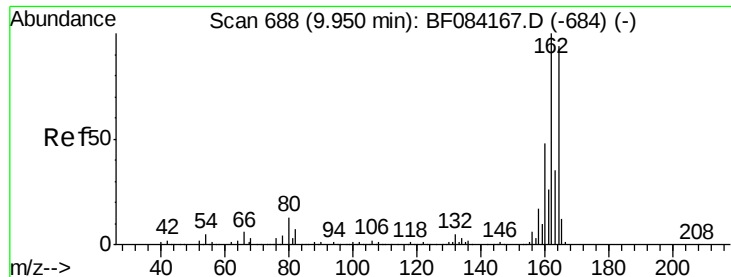


Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

Instrument :

BNA_F

ClientSampleId :

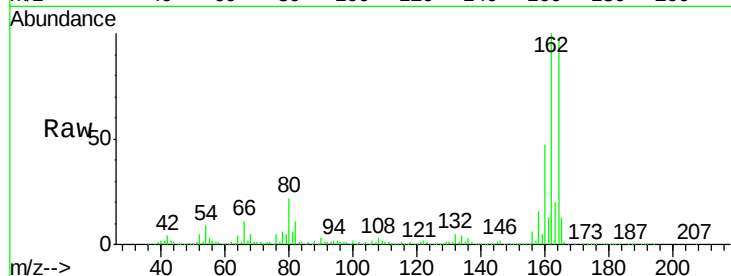
Tot Ion:164 Resp: 577179

Ion Ratio Lower Upper

164 100

162 102.8 84.8 127.2

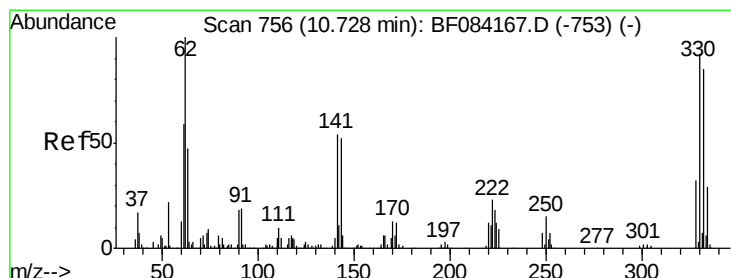
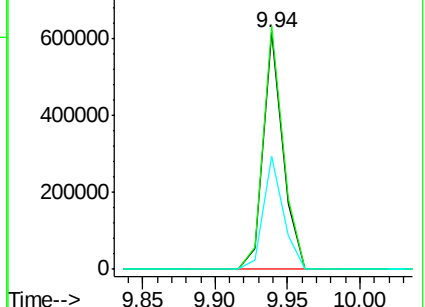
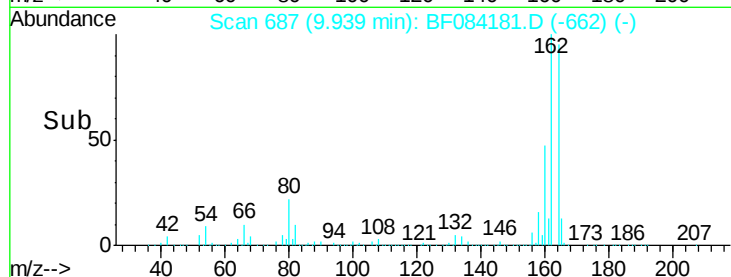
160 48.0 40.4 60.6



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: 138.42 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

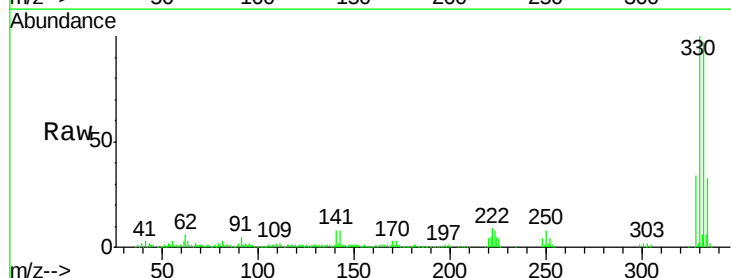
Tgt Ion:330 Resp: 797433

Ion Ratio Lower Upper

330 100

332 97.2 76.2 114.2

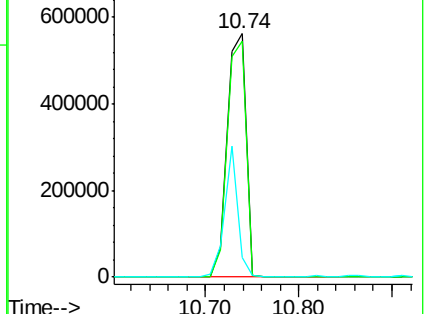
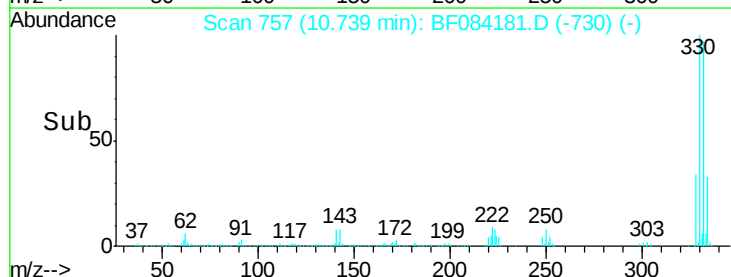
141 36.2 31.3 46.9

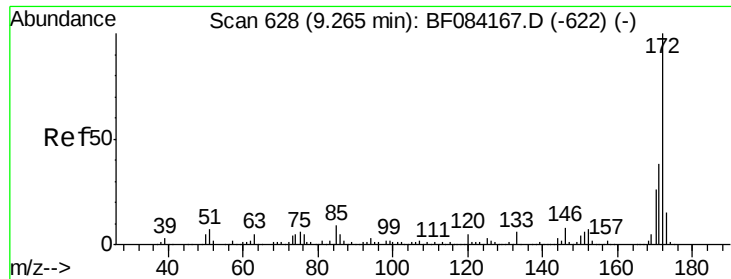


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

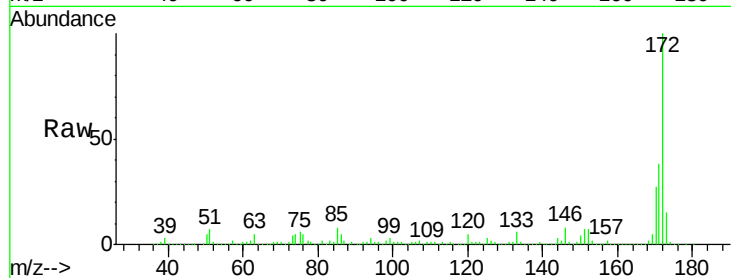




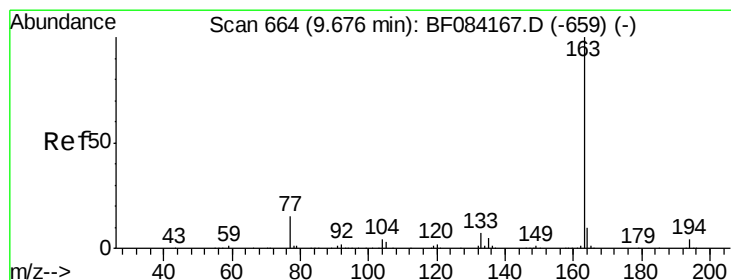
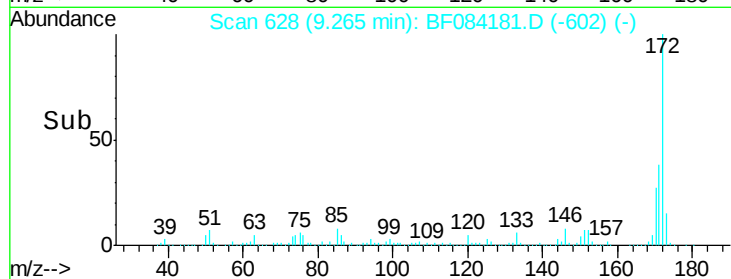
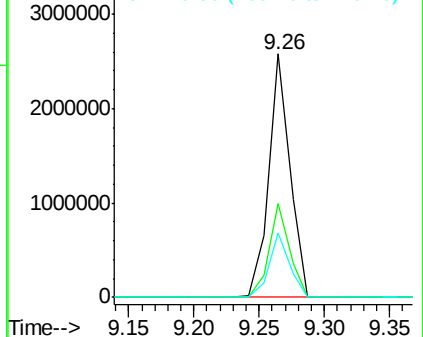
#44
2-Fluorobiphenyl
Concen: 87.96 ng
RT: 9.26 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF084181.D
Acq: 31 Dec 2015 7:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2944018
Ion Ratio Lower Upper
172 100
171 38.3 30.6 46.0
170 26.5 20.6 30.8

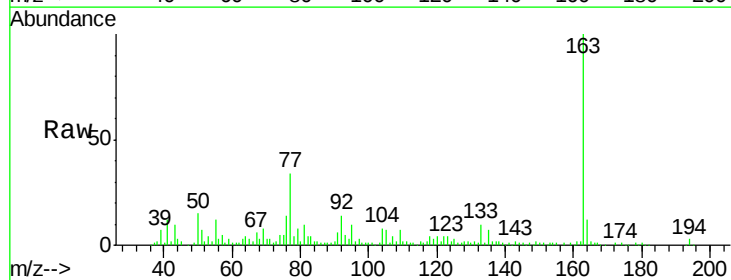


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

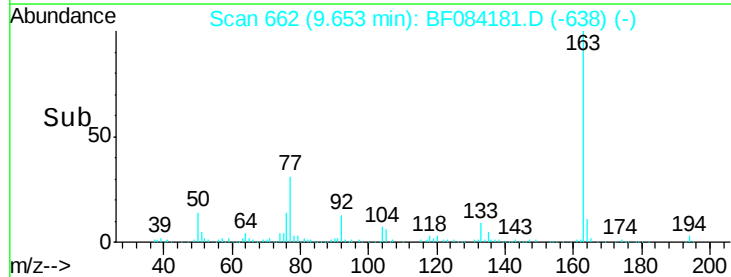
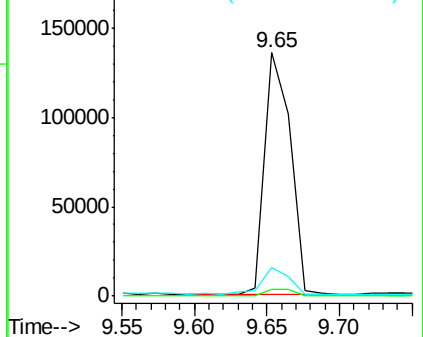


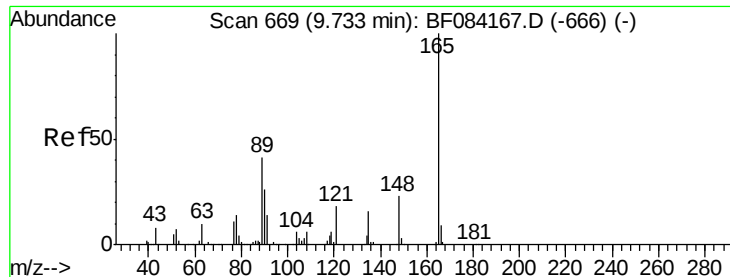
#49
Dimethylphthalate
Concen: 4.07 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF084181.D
Acq: 31 Dec 2015 7:55

Tgt Ion:163 Resp: 168692
Ion Ratio Lower Upper
163 100
194 2.5 3.0 4.6#
164 11.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

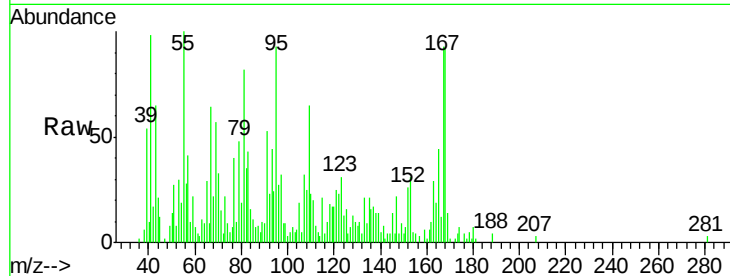




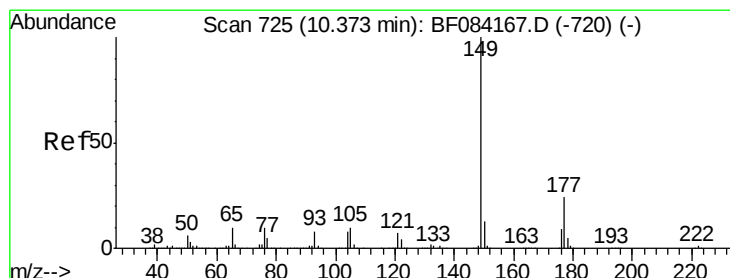
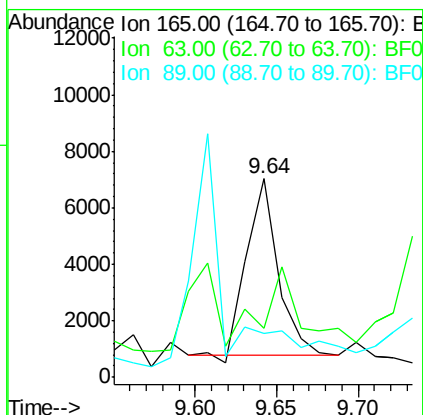
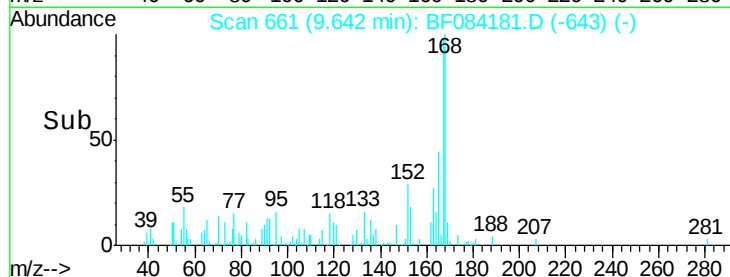
#50
2,6-Dinitrotoluene
Concen: 2.75 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.09 min
Lab File: BF084181.D
Acq: 31 Dec 2015 7:55

Instrument :
BNA_F
ClientSampleID :

Tot Ion	Ratio	Lower	Upper
165	100		
63	24.6	28.8	43.2#
89	22.1	32.7	49.1#

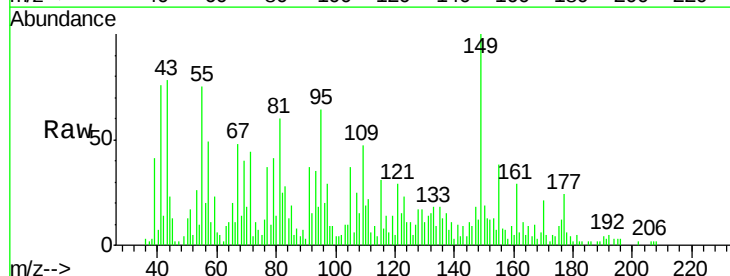


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

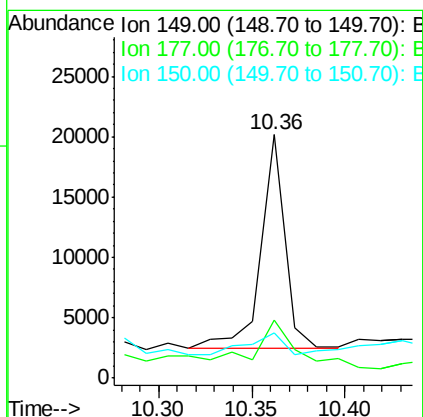
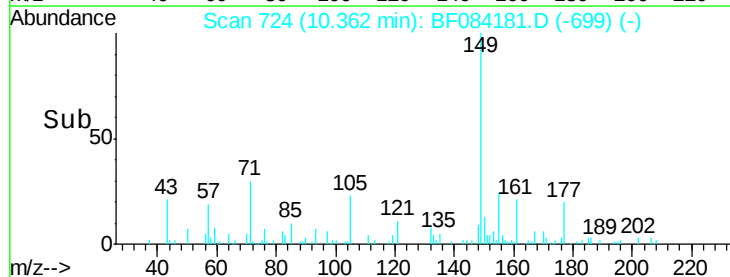


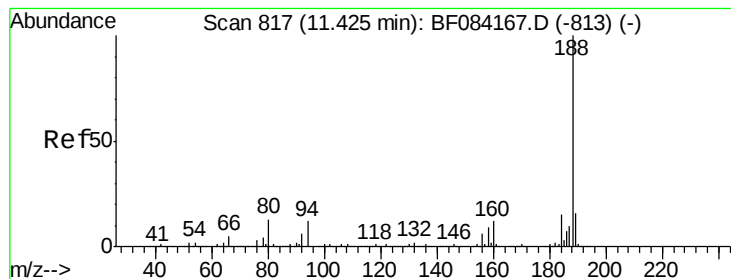
#59
Diethylphthalate
Concen: Below Cal
RT: 10.36 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF084181.D
Acq: 31 Dec 2015 7:55

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.6	19.1	28.7
150	18.7	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: BF084181.D

Acq: 31 Dec 2015 7:55

Instrument :

BNA_F

ClientSampleId :

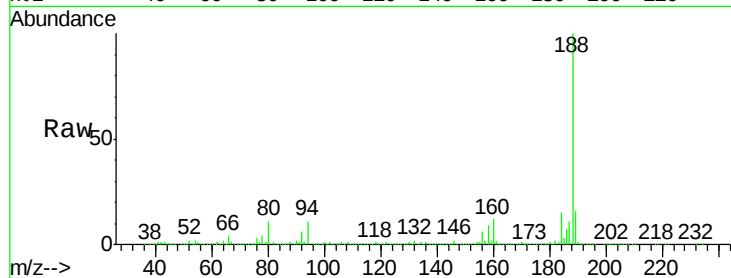
Tot Ion:188 Resp: 1050809

Ion Ratio Lower Upper

188 100

94 10.5 9.2 13.8

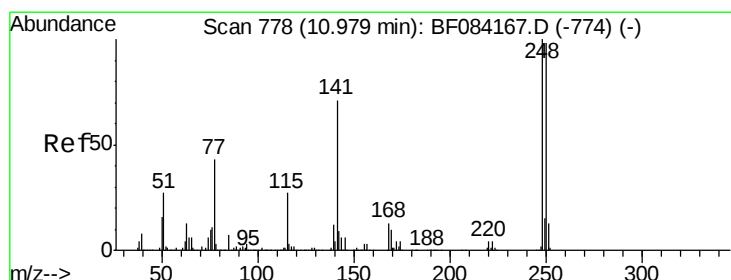
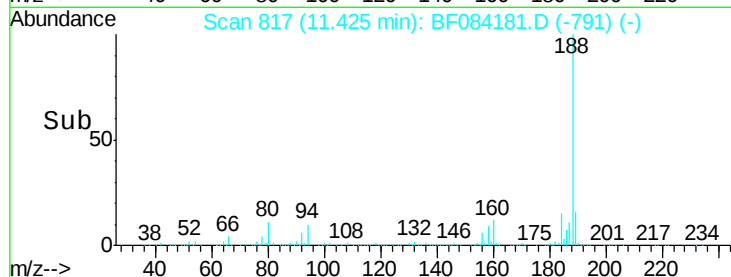
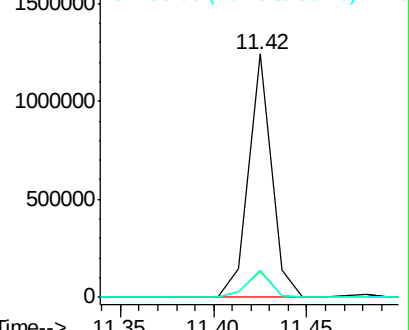
80 11.2 10.1 15.1



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: 4.24 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

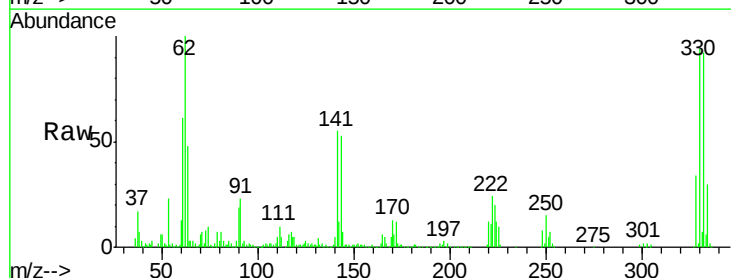
Tgt Ion:248 Resp: 47844

Ion Ratio Lower Upper

248 100

250 193.8 78.7 118.1#

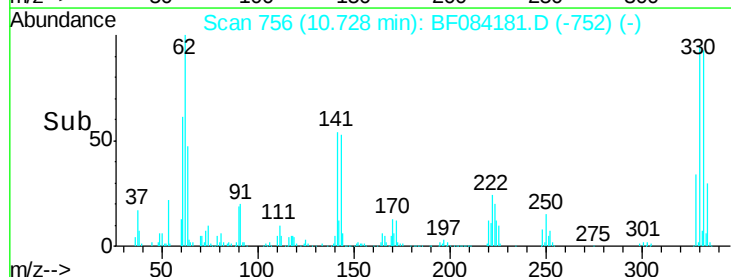
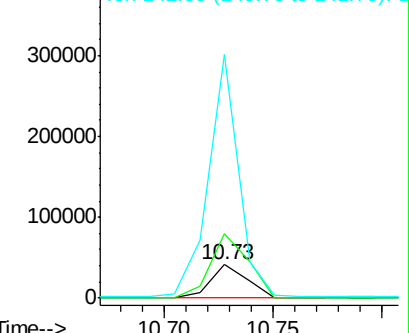
141 726.8 57.1 85.7#

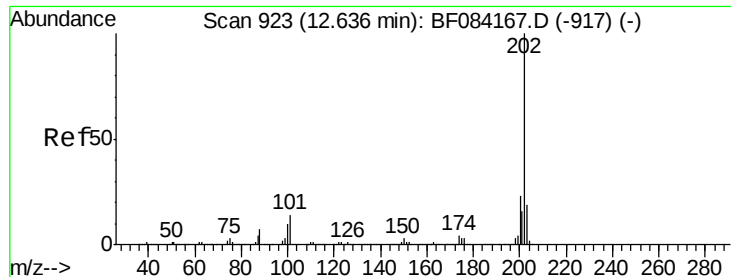


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.65 min Scan# 924

Delta R.T. 0.01 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

Instrument :

BNA_F

ClientSampleId :

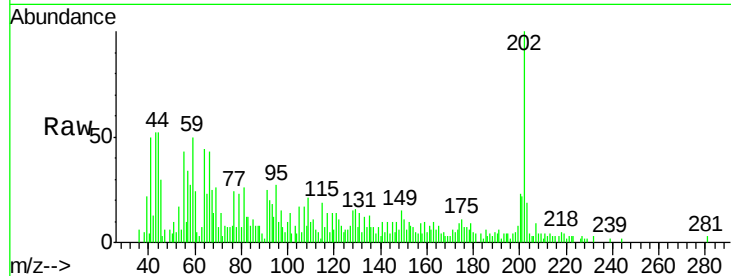
Tot Ion:202 Resp: 16688

Ion Ratio Lower Upper

202 100

101 14.2 0.0 34.0

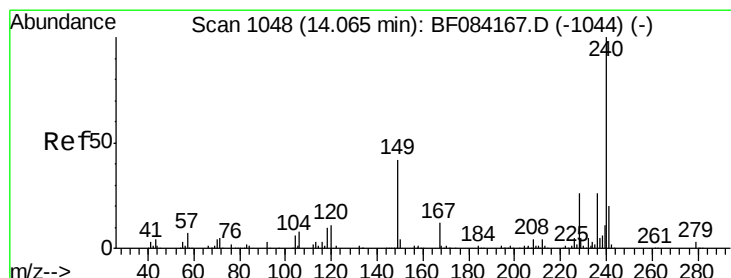
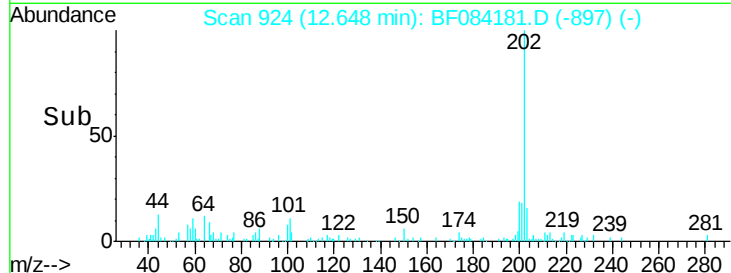
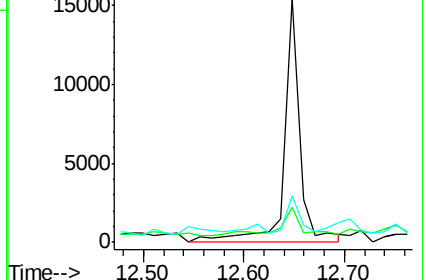
203 19.0 0.0 39.2



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: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

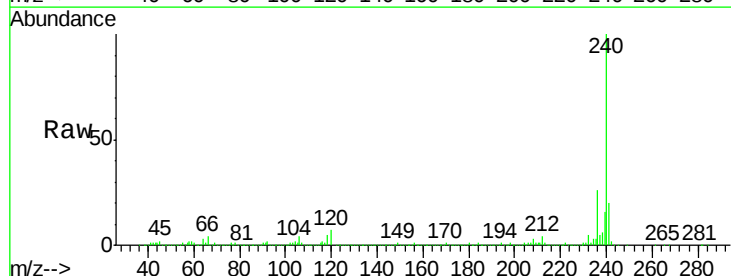
Tgt Ion:240 Resp: 858719

Ion Ratio Lower Upper

240 100

120 6.6 8.8 13.2#

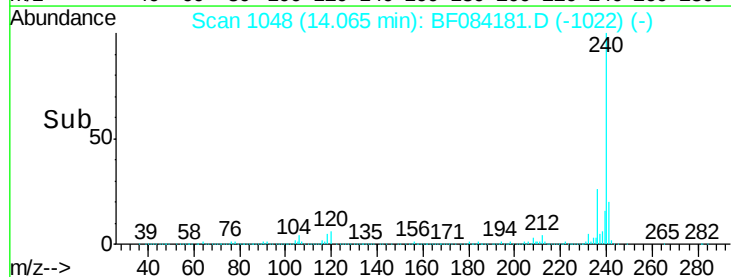
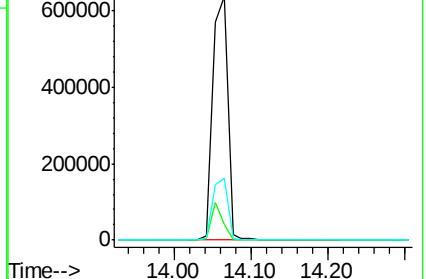
236 25.5 20.8 31.2

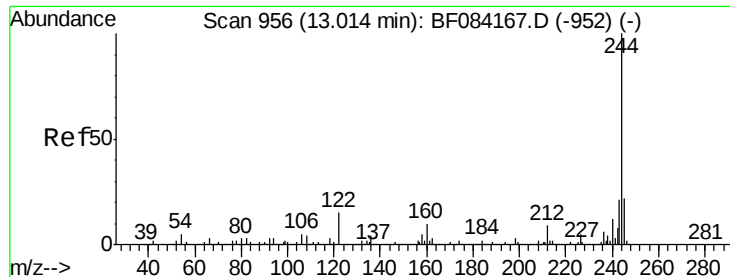


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 74.41 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

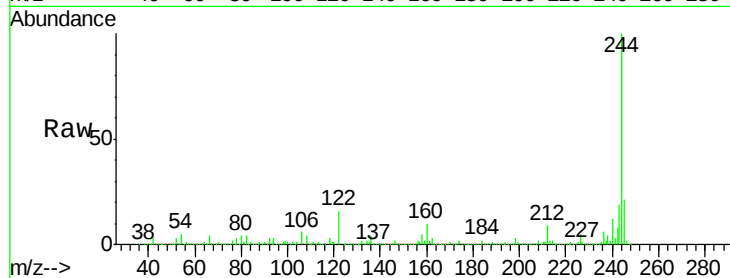
Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:244 Resp: 2713039

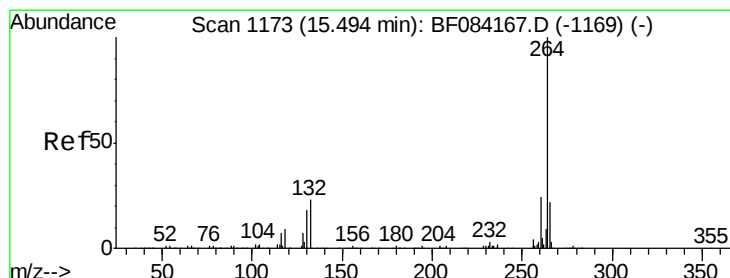
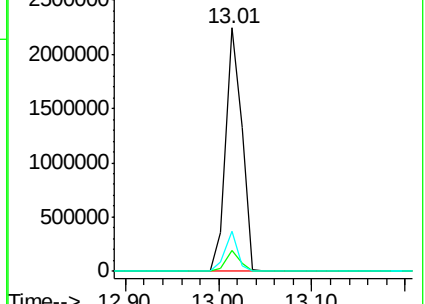
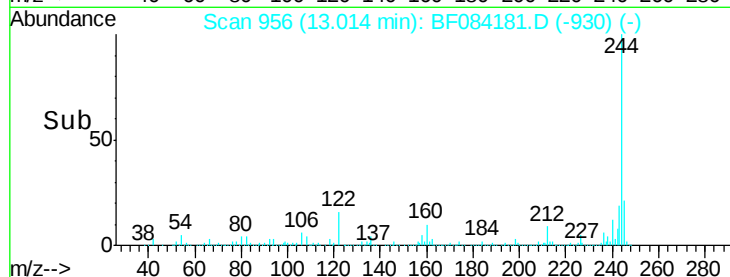
Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.4
122	16.3	11.9	17.9



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

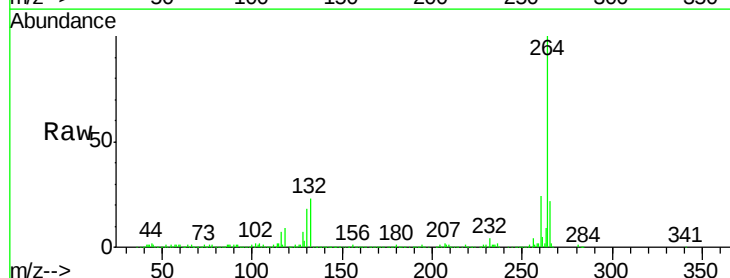
Delta R.T. 0.00 min

Lab File: BF084181.D

Acq: 31 Dec 2015 7:55

Tgt Ion:264 Resp: 612407

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	22.1	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

