

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084469.D
 Acq On : 14 Jan 2016 5:02
 Operator : SJ/UM
 Sample : H1113-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Quant Time: Jan 14 11:17:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

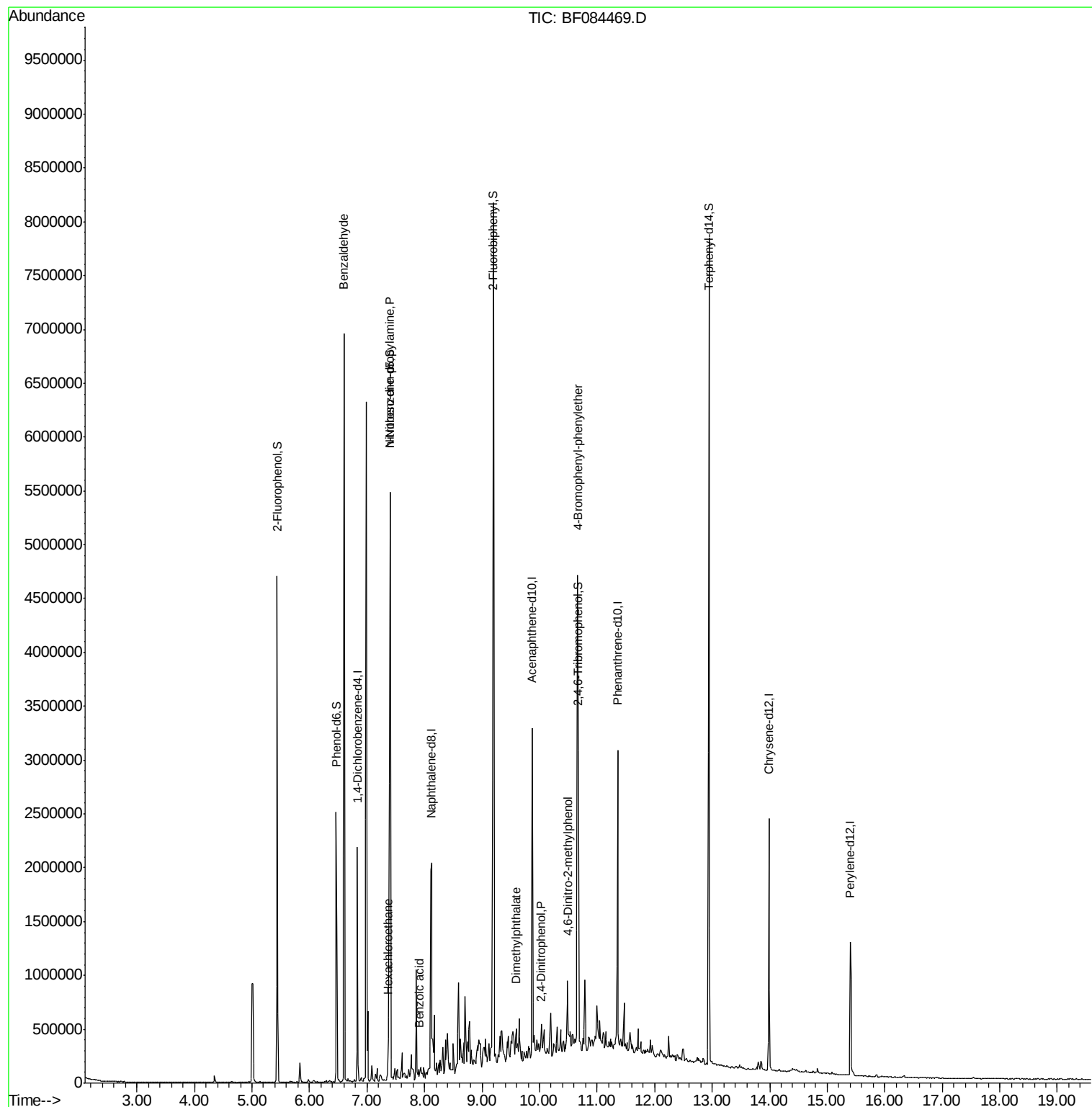
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	287672	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1153702	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	536496	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	1002148	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	836534	20.00	ng	-0.08
86) Perylene-d12	15.40	264	631372	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1197606	67.34	ng	-0.06
7) Phenol-d6	6.46	99	1035435	46.36	ng	-0.07
23) Nitrobenzene-d5	7.40	82	1939824	93.58	ng	-0.07
41) 2,4,6-Tribromophenol	10.67	330	750643	138.59	ng	-0.07
44) 2-Fluorobiphenyl	9.20	172	2593691	85.05	ng	-0.07
78) Terphenyl-d14	12.95	244	2596597	69.29	ng	-0.07
Target Compounds						
9) Benzaldehyde	6.60	77	46563	3.20	ng	# 76
18) Hexachloroethane	7.37	117	62678	7.51	ng	# 55
19) n-Nitroso-di-n-propylamine	7.40	70	277235	18.33	ng	# 75
32) Benzoic acid	7.92	122	2154	6.40	ng	# 37
49) Dimethylphthalate	9.60	163	96373	2.51	ng	# 91
53) 2,4-Dinitrophenol	10.02	184	213	3.61	ng	# 1
54) Dibenzofuran	10.08	168	31310	Below	Cal	# 83
57) Fluorene	10.42	166	33667	Below	Cal	# 99
60) 4-Chlorophenyl-phenylether	10.40	204	1041	Below	Cal	# 5
64) 4,6-Dinitro-2-methylphenol	10.49	198	779	6.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	45035	4.18	ng	# 1
73) Di-n-butylphthalate	11.93	149	72251	Below	Cal	# 95

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.07 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

Instrument :

BNA_F

ClientSampleId :

MW-2

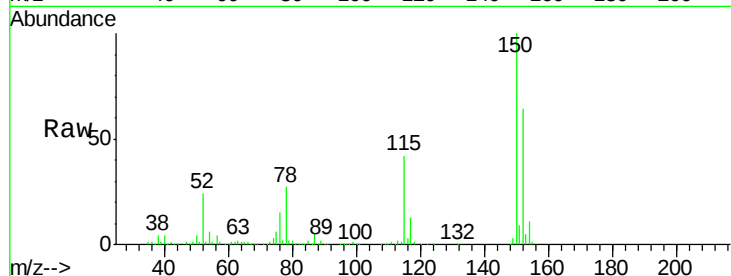
Tot Ion:152 Resp: 287672

Ion Ratio Lower Upper

152 100

150 156.6 123.0 184.4

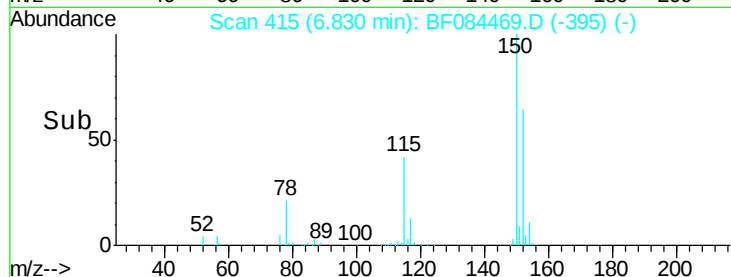
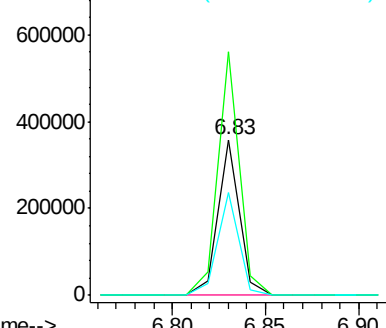
115 66.1 51.4 77.2



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: 67.34 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.06 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

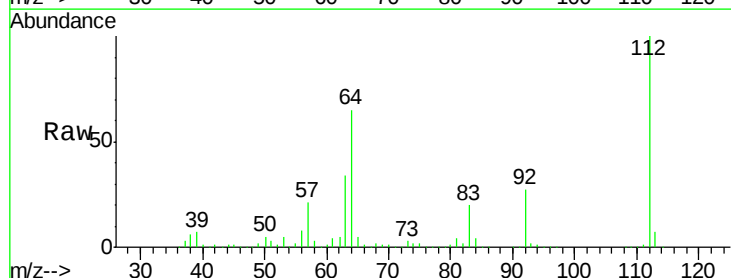
Tgt Ion:112 Resp: 1197606

Ion Ratio Lower Upper

112 100

64 65.1 36.6 55.0#

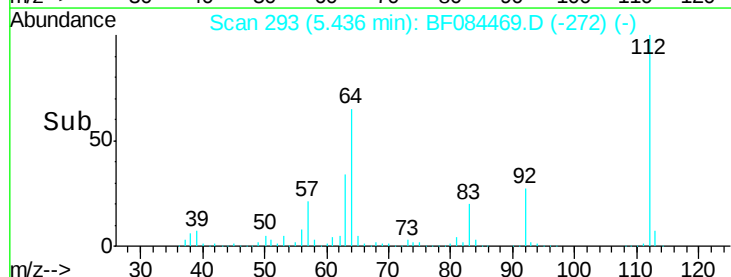
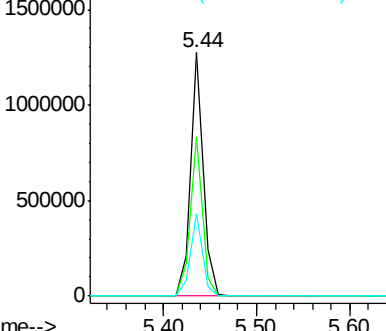
63 33.8 19.4 29.0#

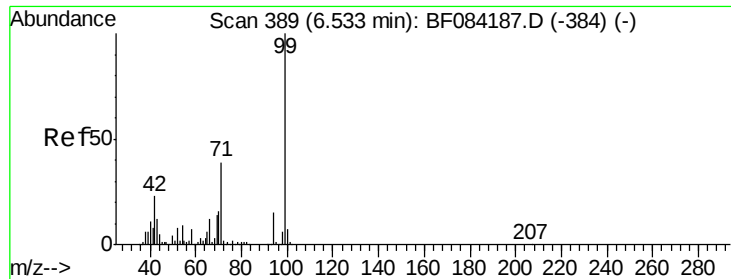


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.36 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.07 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

Instrument :

BNA_F

ClientSampleId :

MW-2

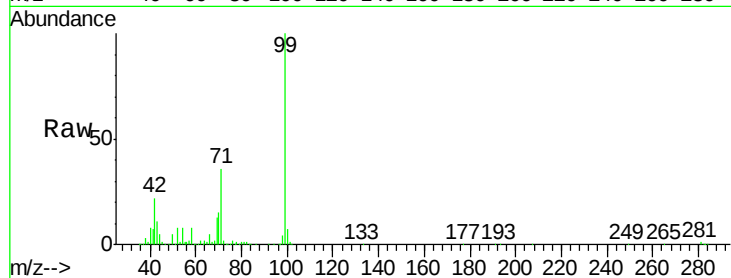
Tot Ion: 99 Resp: 1035435

Ion Ratio Lower Upper

99 100

42 21.8 12.8 19.2#

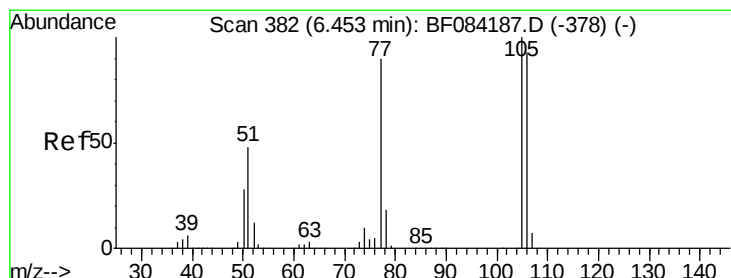
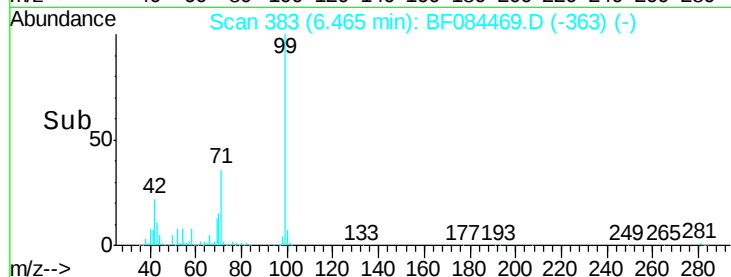
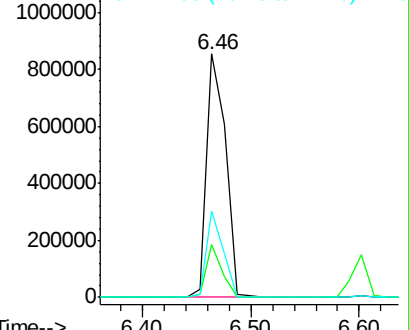
71 35.6 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.20 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.15 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

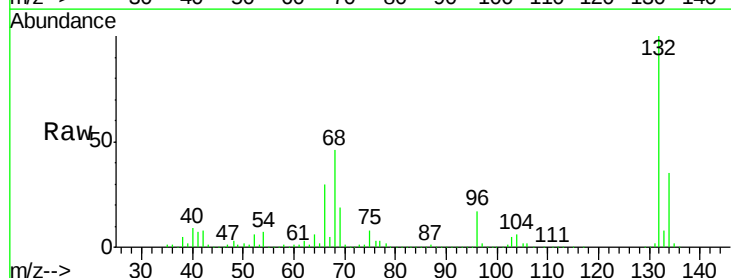
Tgt Ion: 77 Resp: 46563

Ion Ratio Lower Upper

77 100

105 79.2 83.0 123.0#

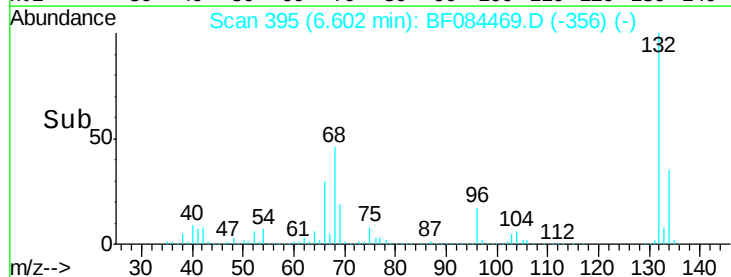
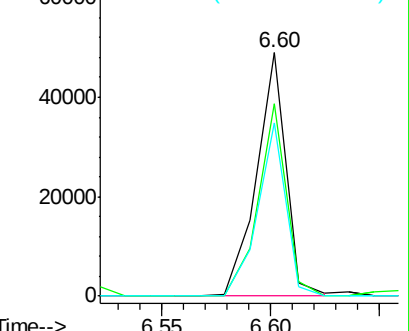
106 71.3 74.6 114.6#

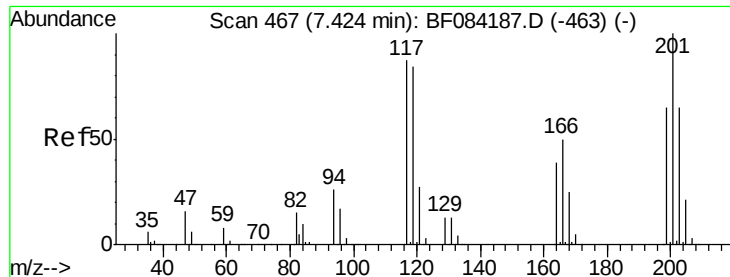


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

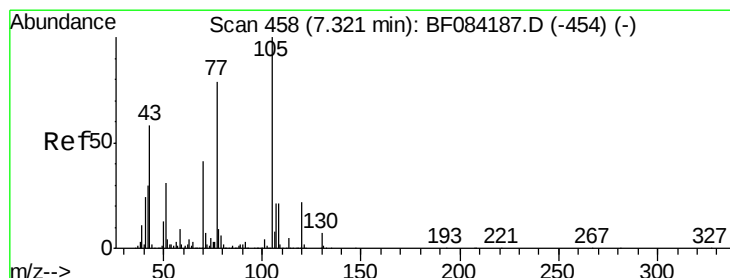
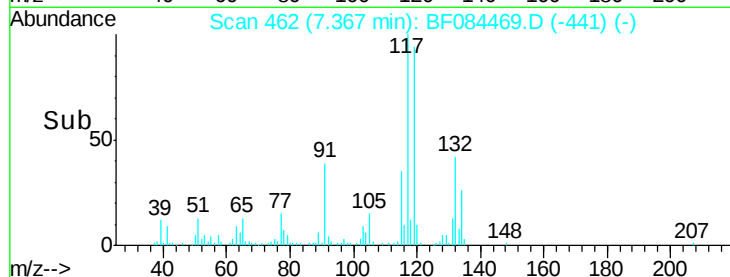
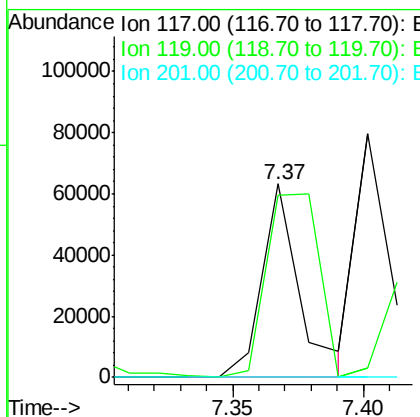
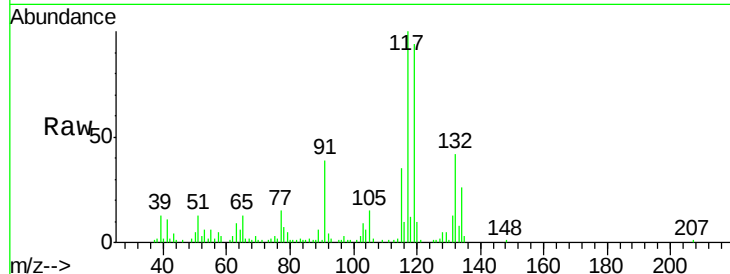




#18
Hexachloroethane
Concen: 7.51 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.06 min
Lab File: BF084469.D
Acq: 14 Jan 2016 5:02

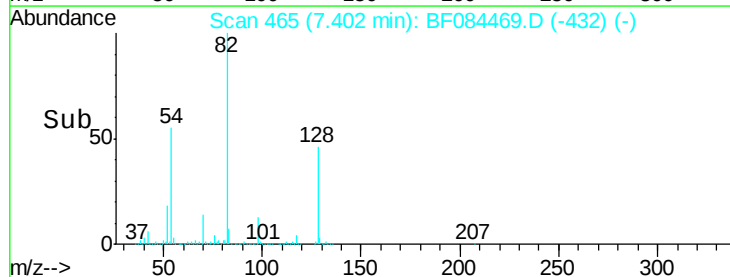
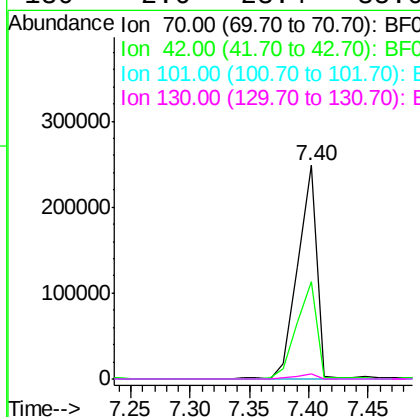
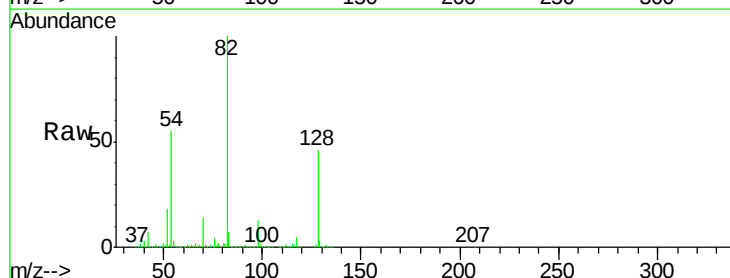
Instrument :
BNA_F
ClientSampled :
MW-2

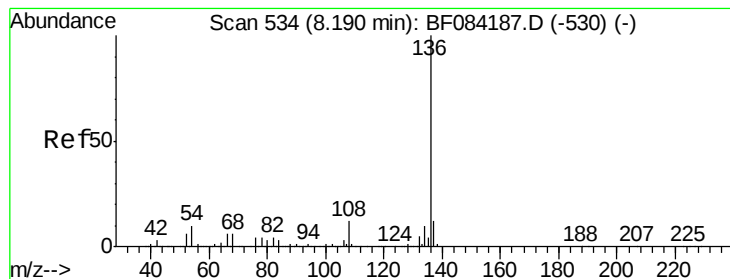
Tot Ion:117 Resp: 62678
Ion Ratio Lower Upper
117 100
119 94.1 77.4 116.0
201 0.0 68.6 103.0#



#19
n-Nitroso-di-n-propylamine
Concen: 18.33 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.08 min
Lab File: BF084469.D
Acq: 14 Jan 2016 5:02

Tgt Ion: 70 Resp: 277235
Ion Ratio Lower Upper
70 100
42 45.8 33.3 49.9
101 0.1 9.3 13.9#
130 2.6 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

Instrument :

BNA_F

ClientSampleId :

MW-2

Tot Ion:136 Resp: 1153702

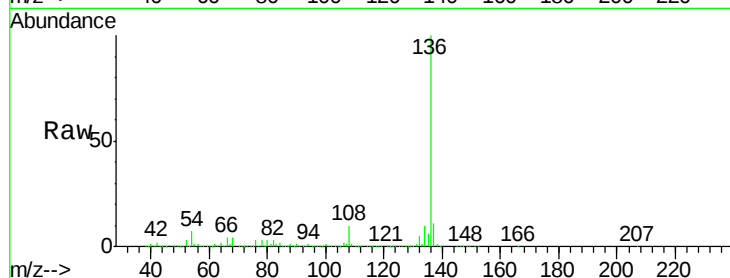
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.8 5.8 8.8

68 4.4 4.2 6.2

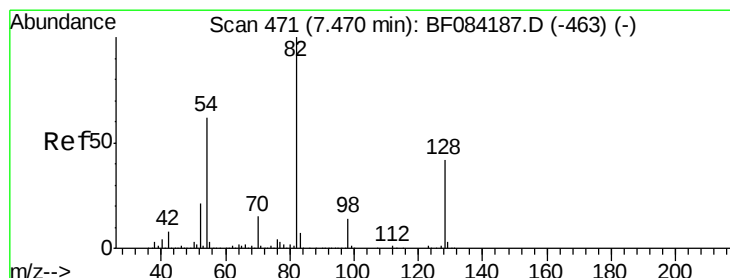
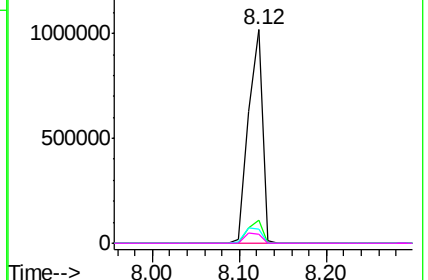
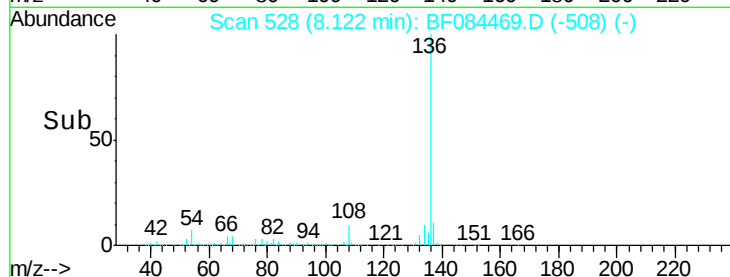


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 93.58 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.07 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

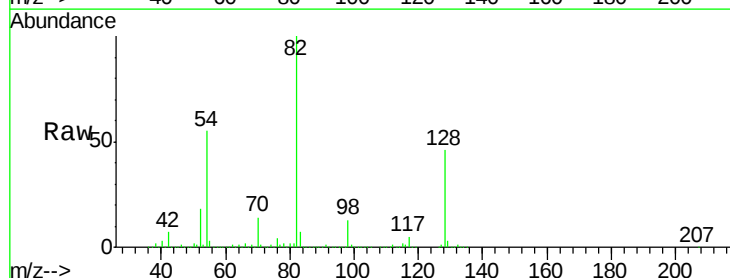
Tgt Ion: 82 Resp: 1939824

Ion Ratio Lower Upper

82 100

128 45.8 34.6 51.8

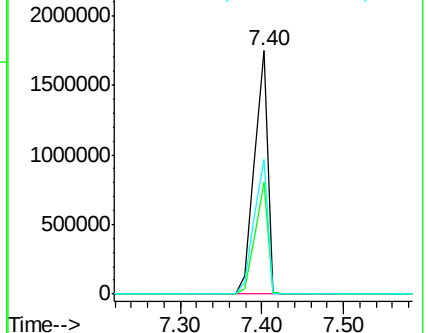
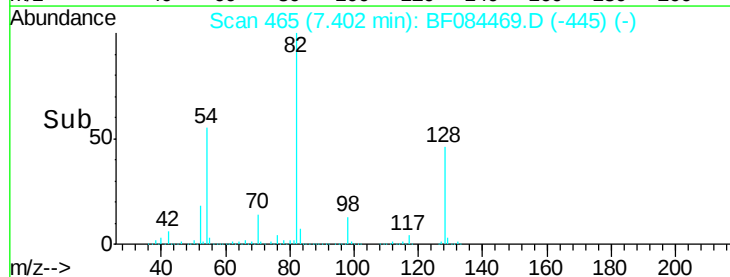
54 55.2 38.4 57.6

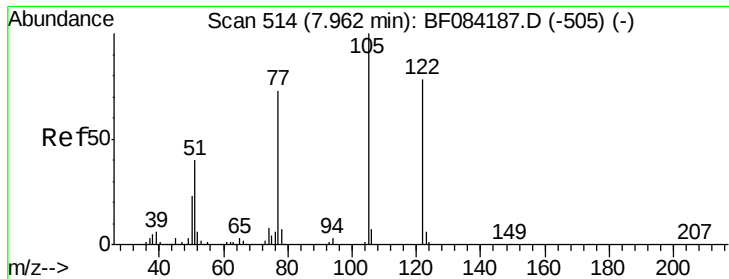


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.40 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.04 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

Instrument :

BNA_F

ClientSampleId :

MW-2

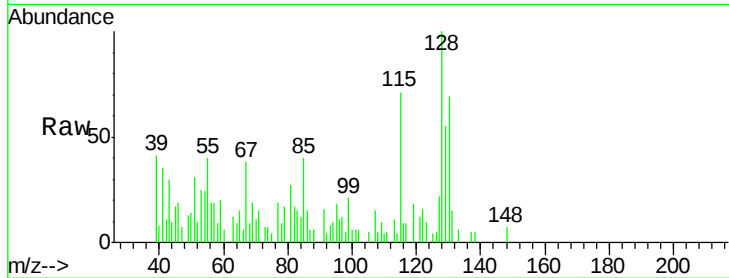
Tot Ion:122 Resp: 2154

Ion Ratio Lower Upper

122 100

105 31.6 100.3 140.3#

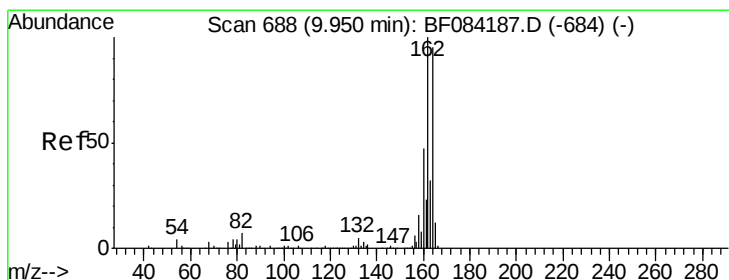
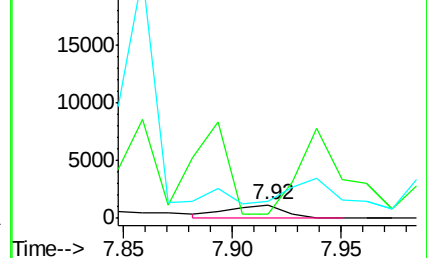
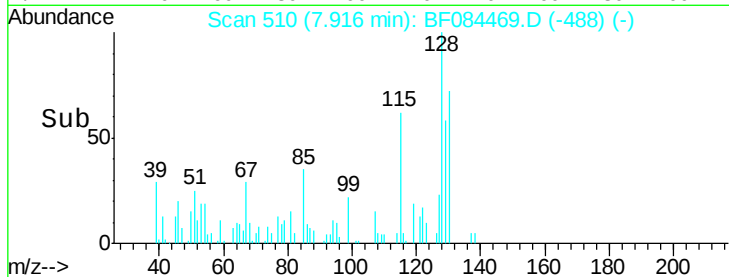
77 119.2 63.5 103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

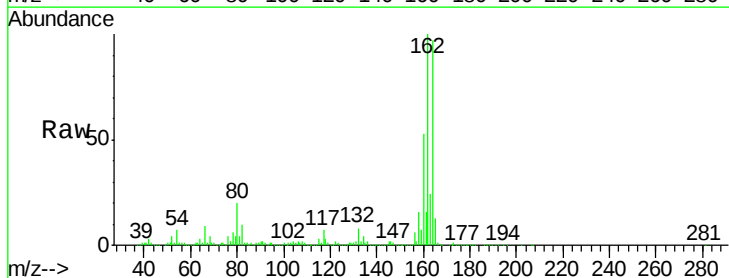
Tgt Ion:164 Resp: 536496

Ion Ratio Lower Upper

164 100

162 103.1 85.1 127.7

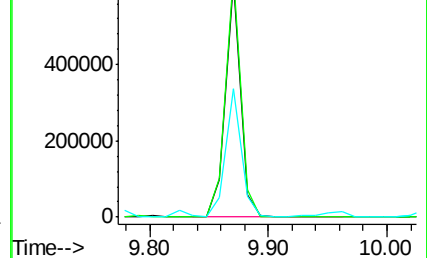
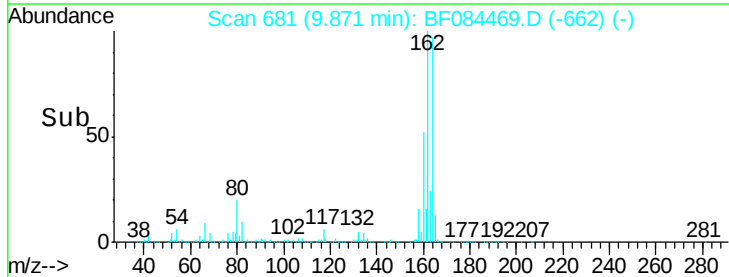
160 54.3 37.5 56.3

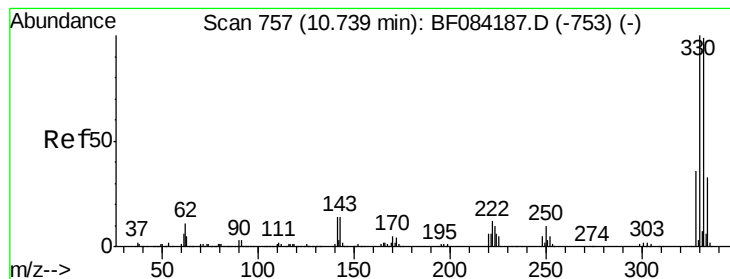


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

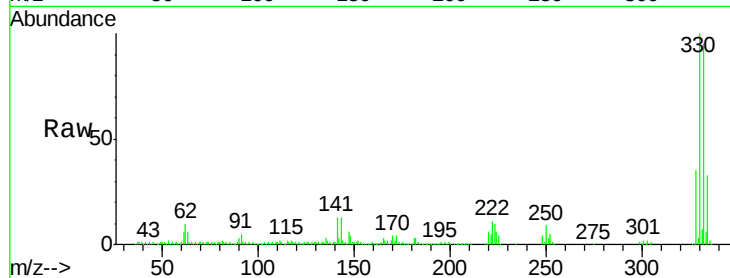




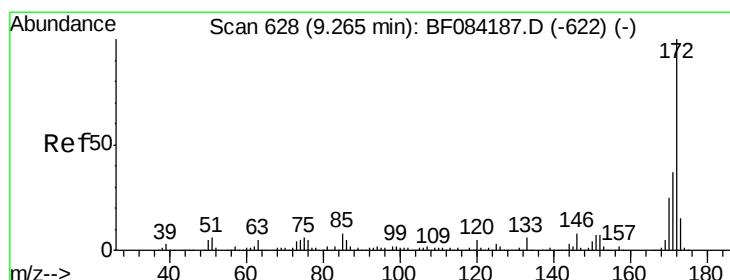
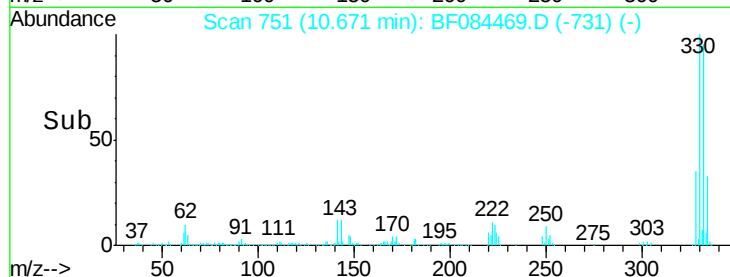
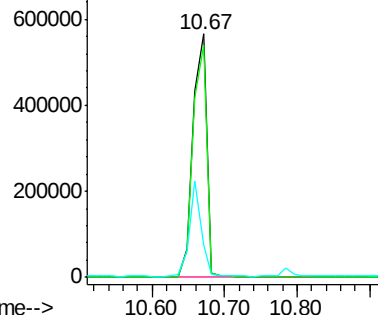
#41
 2,4,6-Tribromophenol
 Concen: 138.59 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.07 min
 Lab File: BF084469.D
 Acq: 14 Jan 2016 5:02

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Tot Ion:330 Resp: 750643
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 33.4 27.8 41.6

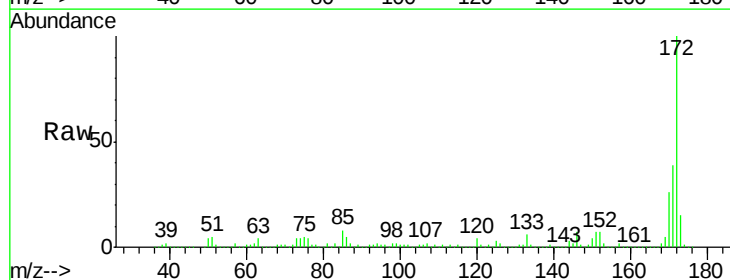


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

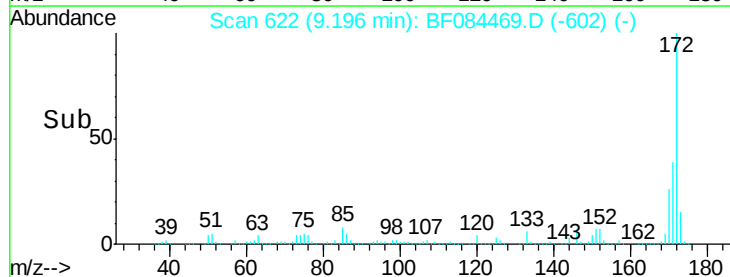
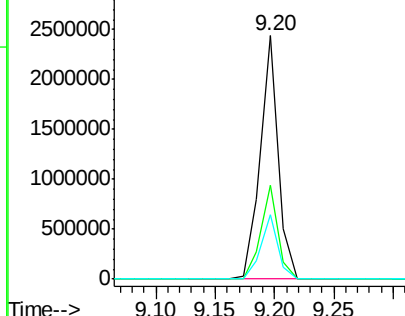


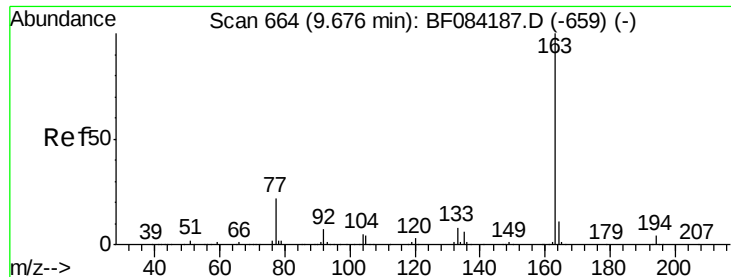
#44
 2-Fluorobiphenyl
 Concen: 85.05 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.07 min
 Lab File: BF084469.D
 Acq: 14 Jan 2016 5:02

Tgt Ion:172 Resp: 2593691
 Ion Ratio Lower Upper
 172 100
 171 38.7 28.9 43.3
 170 26.5 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





#49

Dimethylphthalate

Concen: 2.51 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.08 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

Instrument :

BNA_F

ClientSampleId :

MW-2

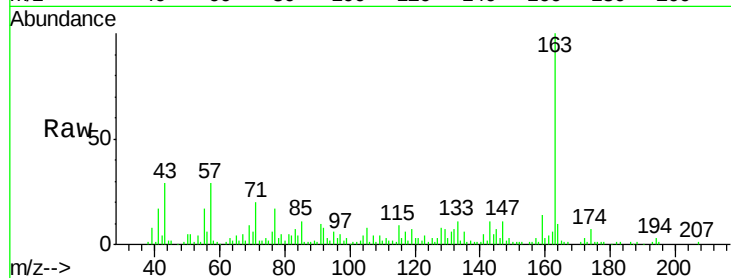
Tot Ion:163 Resp: 96373

Ion Ratio Lower Upper

163 100

194 3.3 8.0 12.0#

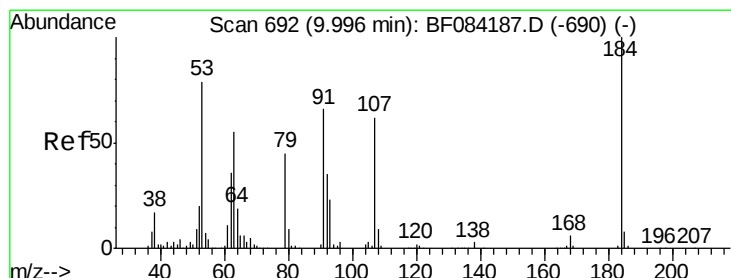
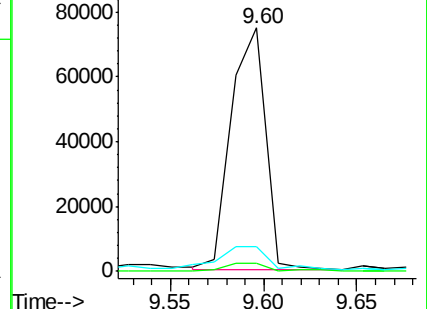
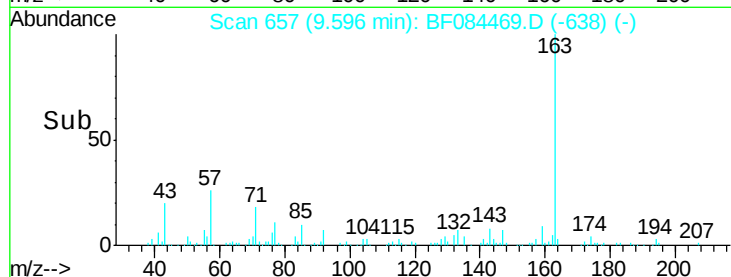
164 9.9 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 3.61 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.02 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

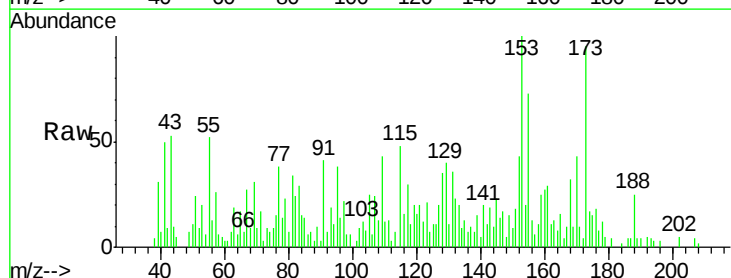
Tgt Ion:184 Resp: 213

Ion Ratio Lower Upper

184 100

63 822.5 43.1 64.7#

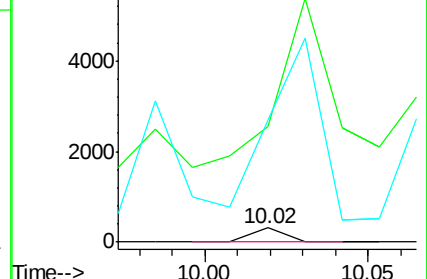
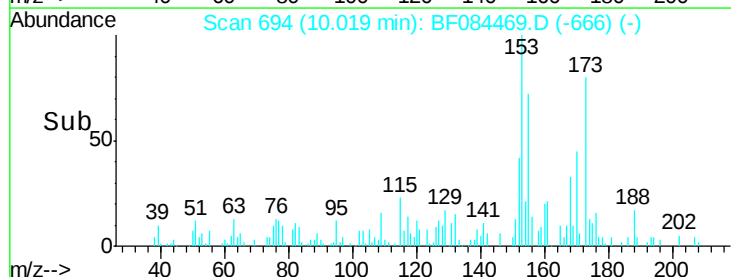
154 870.1 60.5 90.7#

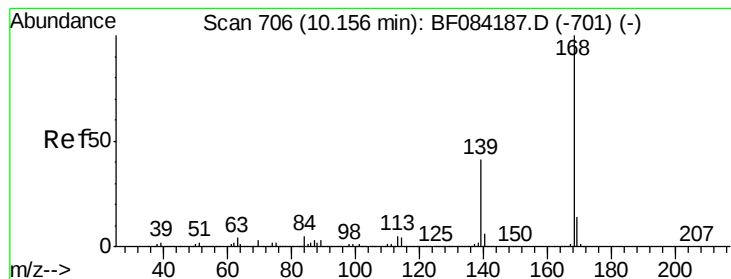


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: Below Cal

RT: 10.08 min Scan# 699

Delta R.T. -0.08 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

Instrument :

BNA_F

ClientSampleId :

MW-2

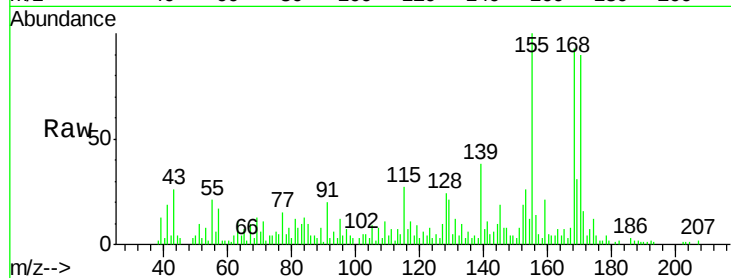
Tot Ion:168 Resp: 31310

Ion Ratio Lower Upper

168 100

139 41.1 30.5 45.7

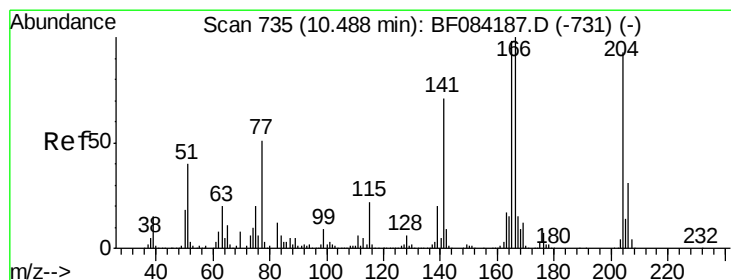
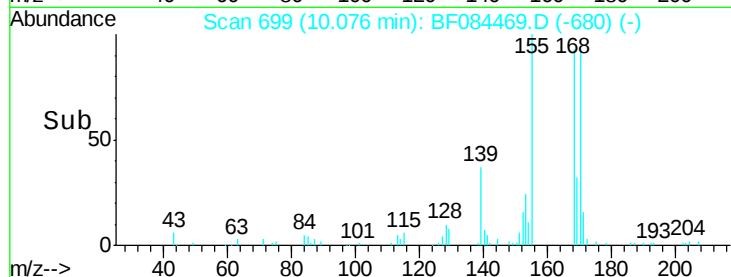
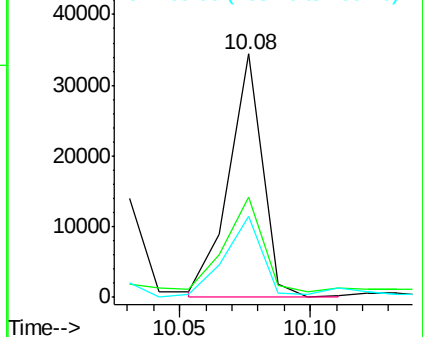
169 33.4 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.40 min Scan# 727

Delta R.T. -0.09 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

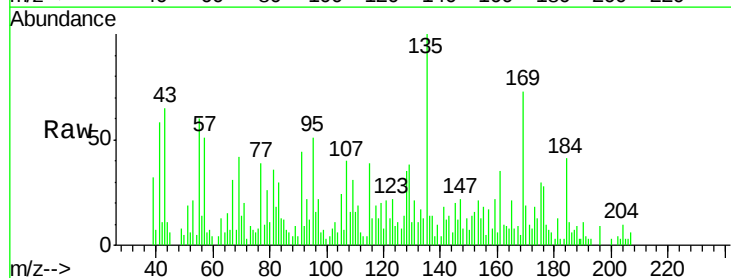
Tgt Ion:204 Resp: 1041

Ion Ratio Lower Upper

204 100

206 33.5 25.7 38.5

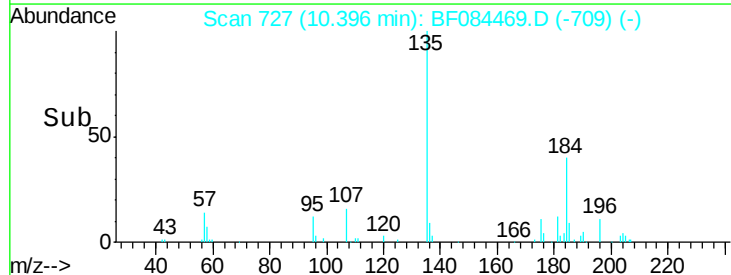
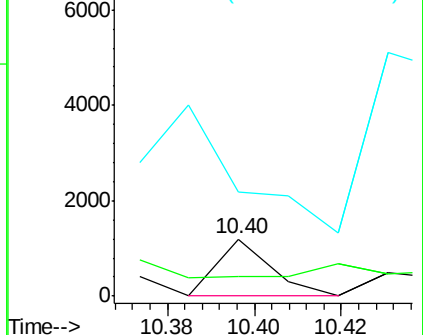
141 180.8 55.1 82.7#

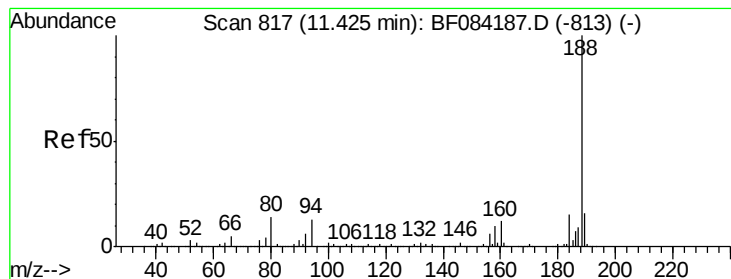


Abundance Ion 204.00 (203.70 to 204.70): E

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: 11.36 min Scan# 811

Delta R.T. -0.07 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

Instrument :

BNA_F

ClientSampleId :

MW-2

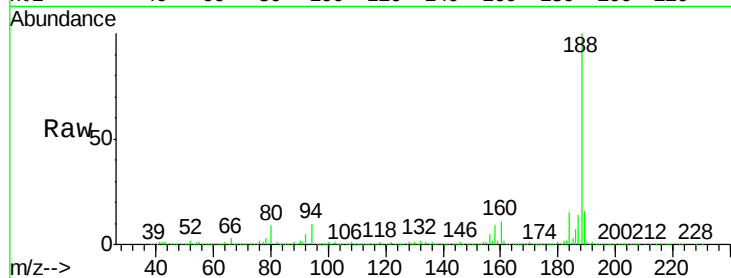
Tot Ion:188 Resp: 1002148

Ion Ratio Lower Upper

188 100

94 9.5 9.0 13.4

80 9.4 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

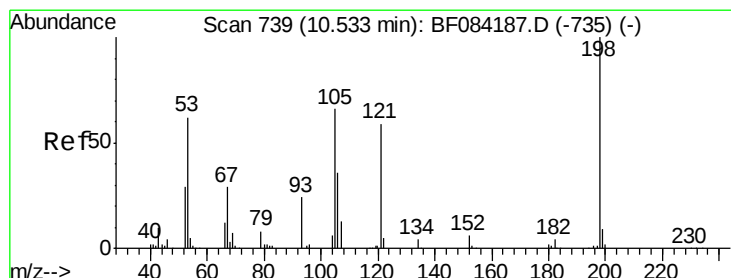
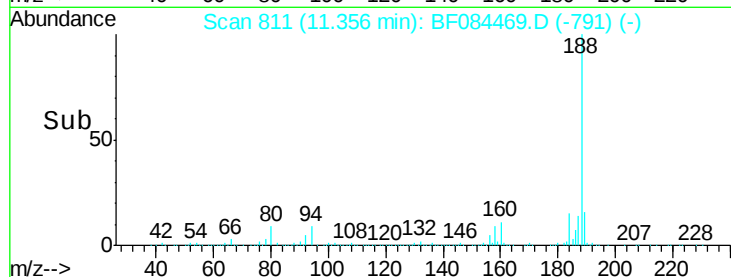
11.36

1000000

500000

0

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 6.52 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.05 min

Lab File: BF084469.D

Acq: 14 Jan 2016 5:02

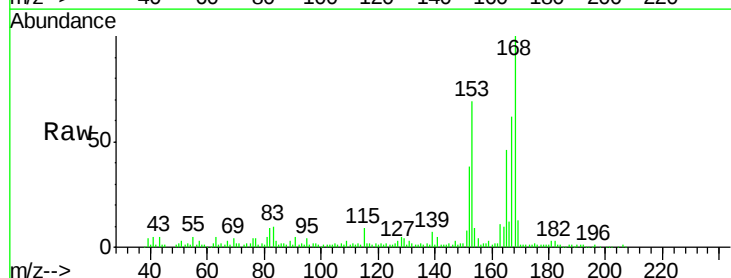
Tgt Ion:198 Resp: 779

Ion Ratio Lower Upper

198 100

51 651.3 18.9 58.9#

105 515.6 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

8000

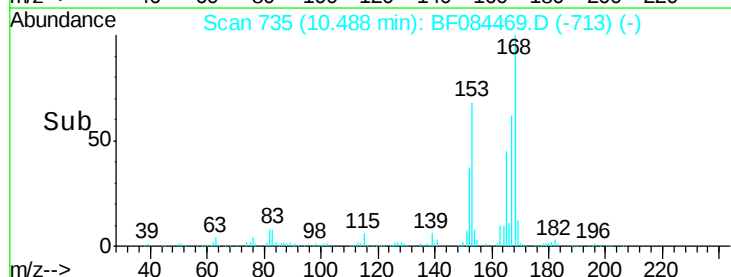
6000

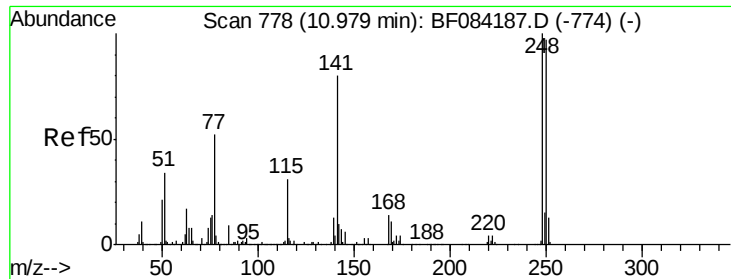
4000

2000

0

Time-->

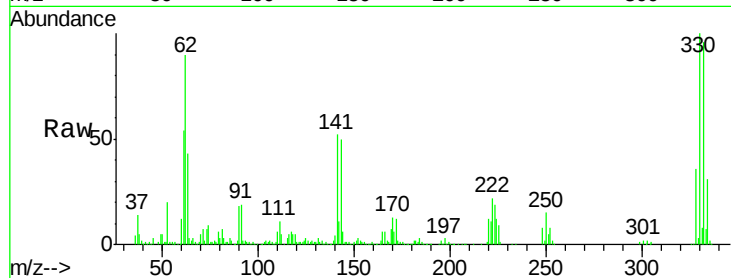




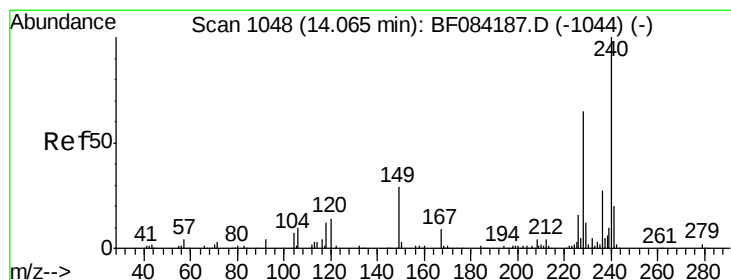
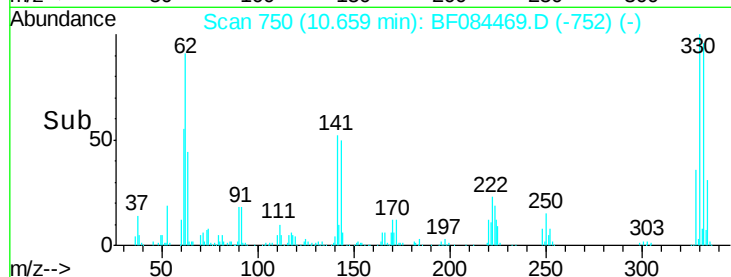
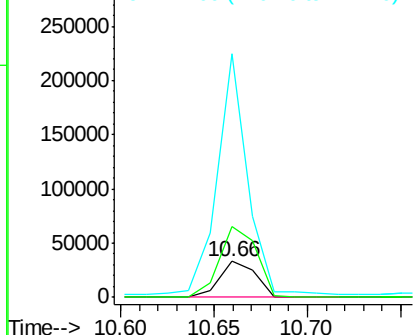
#66
4-Bromophenyl-phenylether
Concen: 4.18 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.32 min
Lab File: BF084469.D
Acq: 14 Jan 2016 5:02

Instrument :
BNA_F
ClientSampleId :
MW-2

Tot Ion:248 Resp: 45035
Ion Ratio Lower Upper
248 100
250 197.4 78.4 117.6#
141 681.9 44.0 66.0#

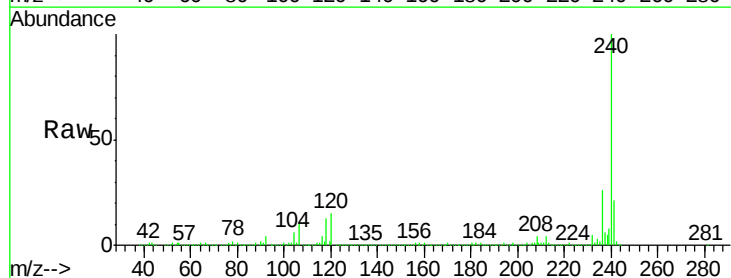


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

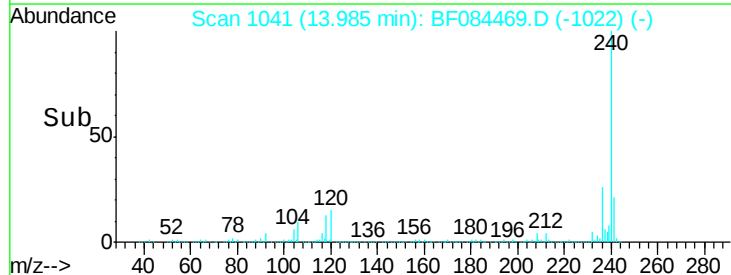
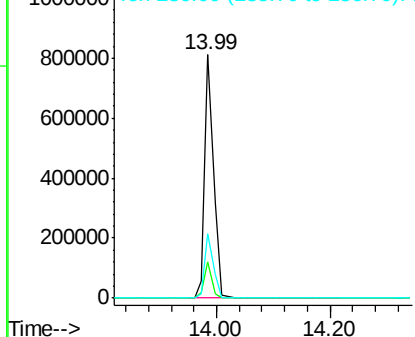


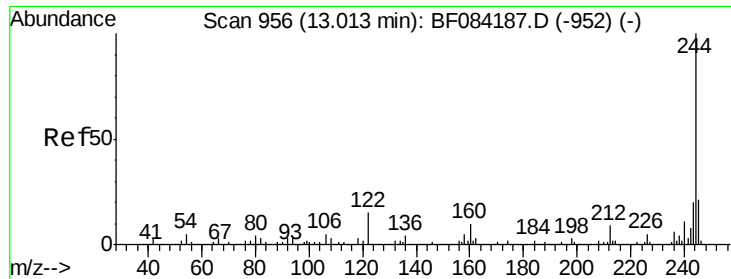
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.08 min
Lab File: BF084469.D
Acq: 14 Jan 2016 5:02

Tgt Ion:240 Resp: 836534
Ion Ratio Lower Upper
240 100
120 15.1 9.5 14.3#
236 26.2 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

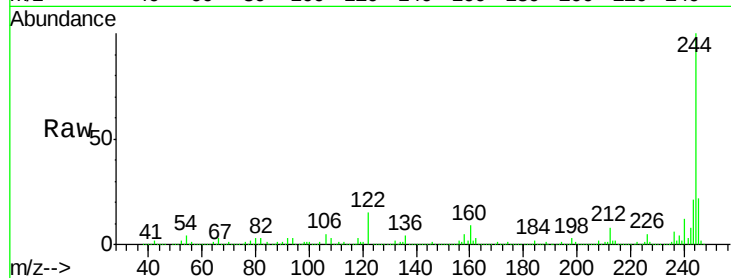




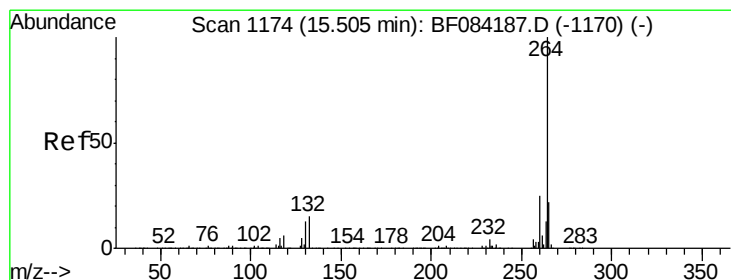
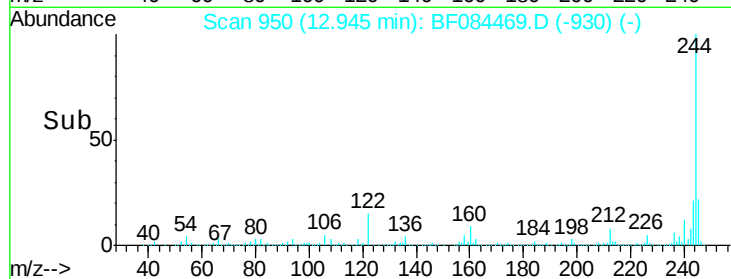
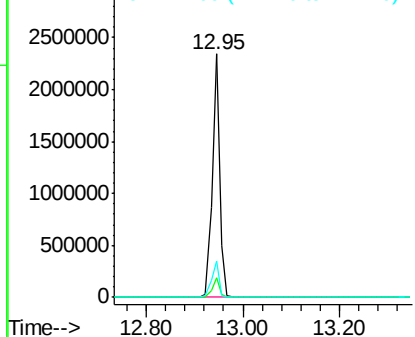
#78
 Terphenyl-d14
 Concen: 69.29 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.07 min
 Lab File: BF084469.D
 Acq: 14 Jan 2016 5:02

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Tot Ion:244 Resp: 2596597
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.7 8.5
 122 14.8 7.4 11.0#

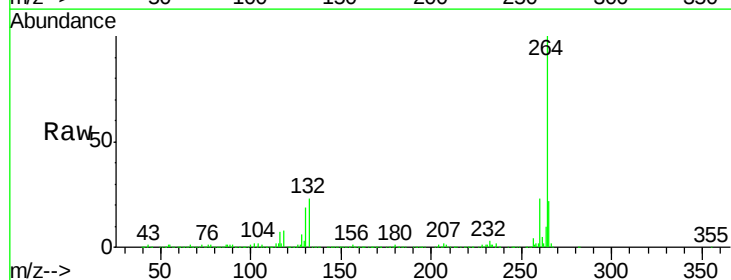


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.10 min
 Lab File: BF084469.D
 Acq: 14 Jan 2016 5:02

Tgt Ion:264 Resp: 631372
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.2
 265 22.1 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

