

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
 Data File : BF080658.D
 Acq On : 25 Jul 2015 8:54
 Operator : TP/UM
 Sample : G3079-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4-7-22-15

Quant Time: Jul 27 01:16:48 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 25 04:28:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	54635	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	201700	20.00	ng	0.00
38) Acenaphthene-d10	9.97	164	118684	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	223578	20.00	ng	0.00
75) Chrysene-d12	14.25	240	198413	20.00	ng	0.09
86) Perylene-d12	15.91	264	171524	20.00	ng	0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	163334	50.34	ng	0.00
7) Phenol-d6	6.54	99	107037	27.62	ng	0.00
23) Nitrobenzene-d5	7.49	82	298484	74.32	ng	0.00
41) 2,4,6-Tribromophenol	10.76	330	123804	116.11	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	532252	69.19	ng	0.00
78) Terphenyl-d14	13.08	244	646941	70.21	ng	0.02

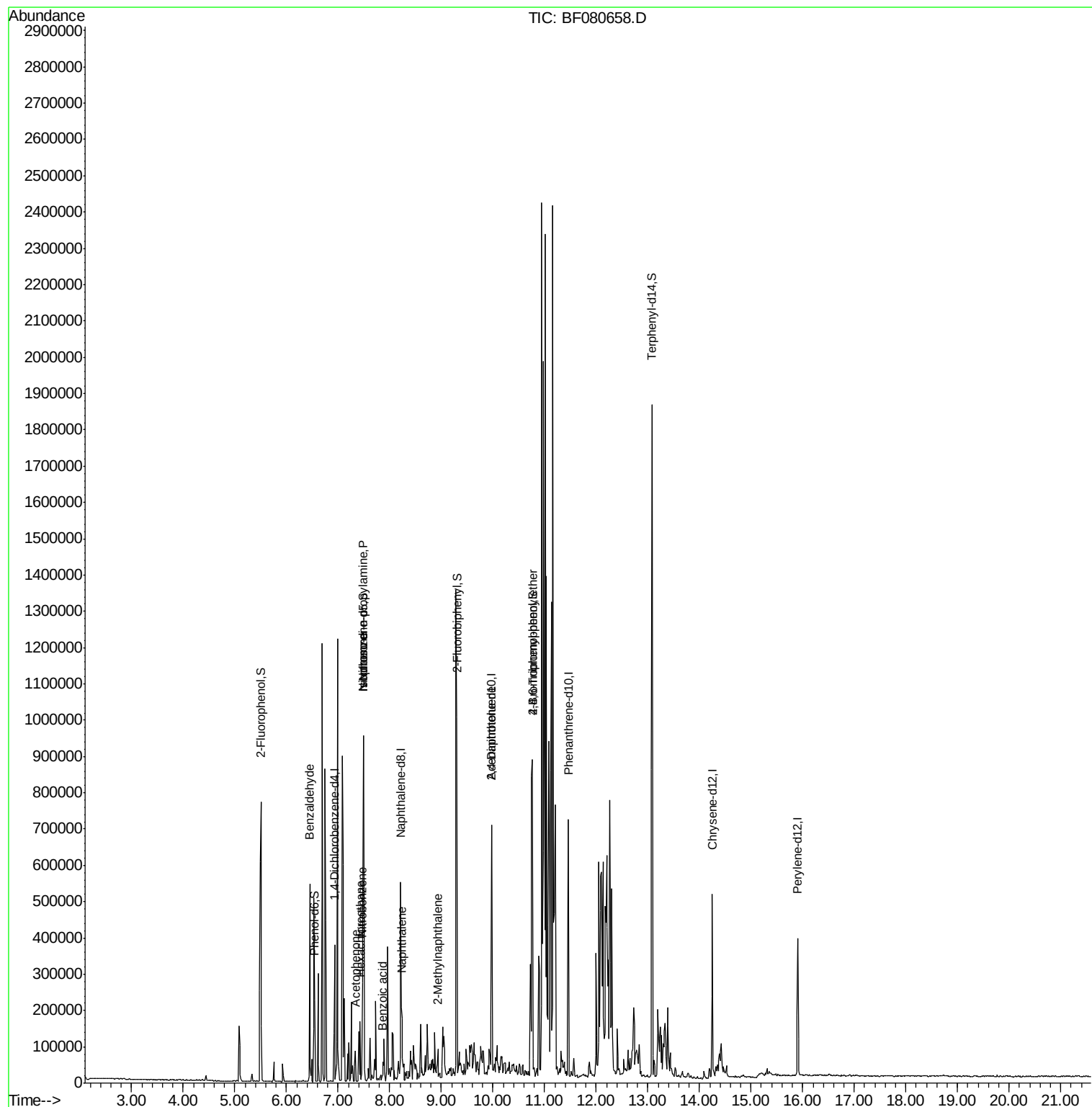
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	23764	9.39	ng	# 1
18) Hexachloroethane	7.42	117	8051	5.16	ng	# 1
19) n-Nitroso-di-n-propylamine	7.49	70	41526	14.85	ng	# 65
22) Acetophenone	7.33	105	35726	6.82	ng	# 45
24) Nitrobenzene	7.47	77	8363	2.09	ng	# 26
25) Isophorone	7.49	82	298218	42.34	ng	# 73
31) Naphthalene	8.24	128	48895	4.84	ng	# 97
32) Benzoic acid	7.86	122	2535	7.72	ng	# 12
37) 2-Methylnaphthalene	8.93	142	20291	2.82	ng	# 95
56) 2,4-Dinitrotoluene	9.97	165	15108	7.54	ng	# 7
66) 4-Bromophenyl-phenylether	10.76	248	8469	4.02	ng	# 1

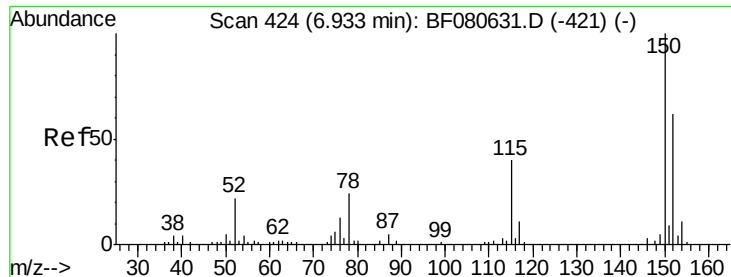
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

Instrument :

BNA_F

ClientSampleId :

MW-4-7-22-15

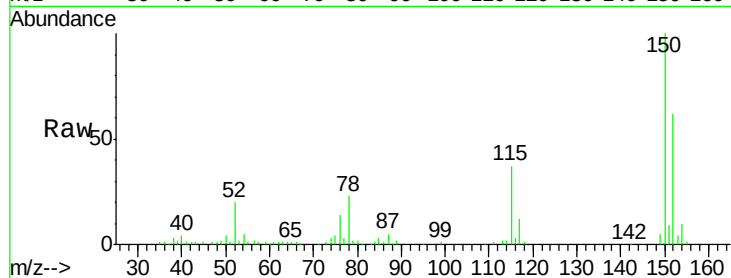
Tgt Ion:152 Resp: 54635

Ion Ratio Lower Upper

152 100

150 161.5 128.9 193.3

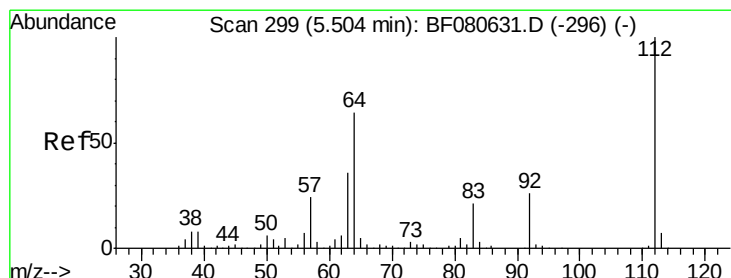
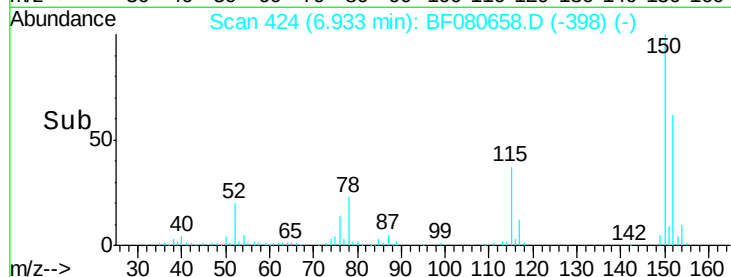
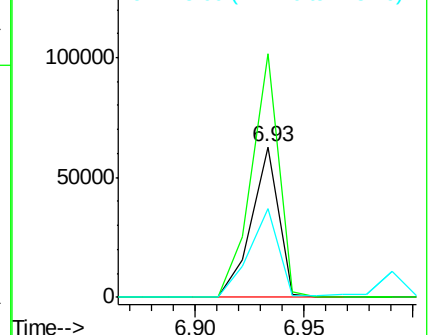
115 59.2 51.0 76.6



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: 50.34 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.00 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

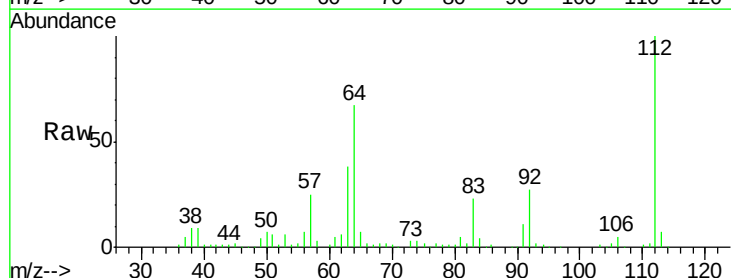
Tgt Ion:112 Resp: 163334

Ion Ratio Lower Upper

112 100

64 66.6 51.2 76.8

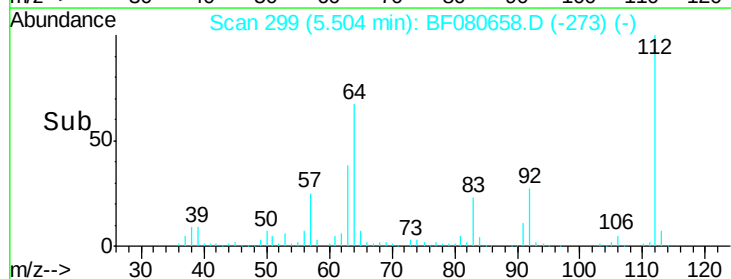
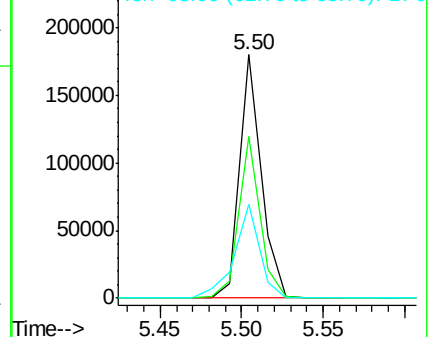
63 38.4 29.0 43.6

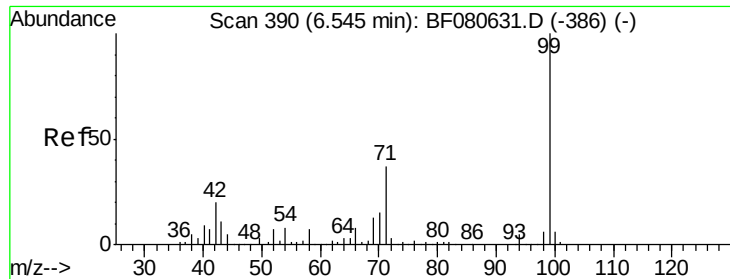


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.62 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

Instrument :

BNA_F

ClientSampleId :

MW-4-7-22-15

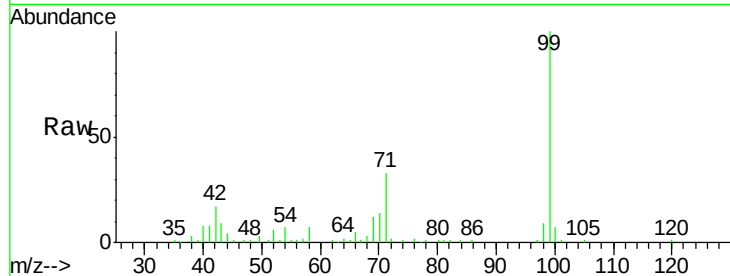
Tgt Ion: 99 Resp: 107037

Ion Ratio Lower Upper

99 100

42 17.1 16.3 24.5

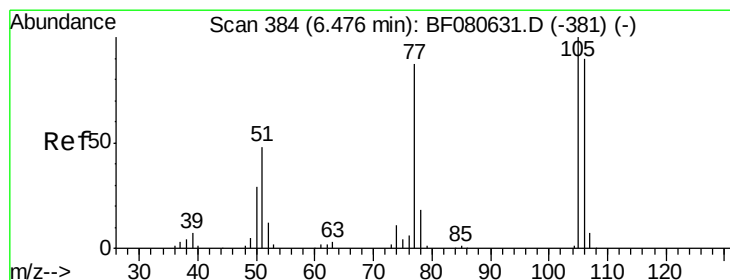
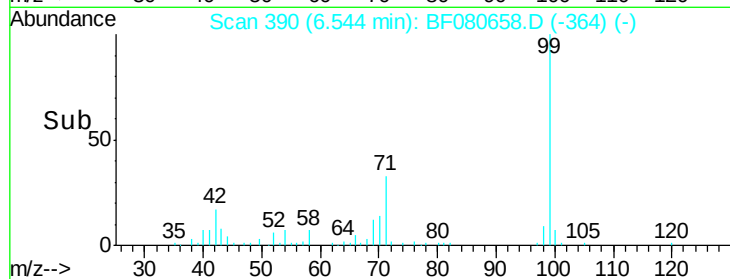
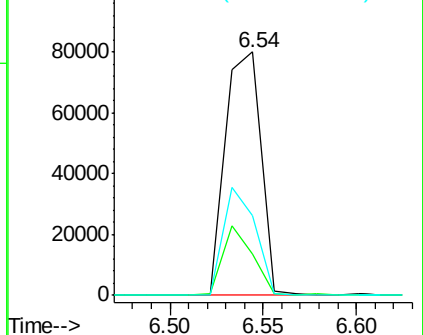
71 32.9 29.7 44.5



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: 9.39 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

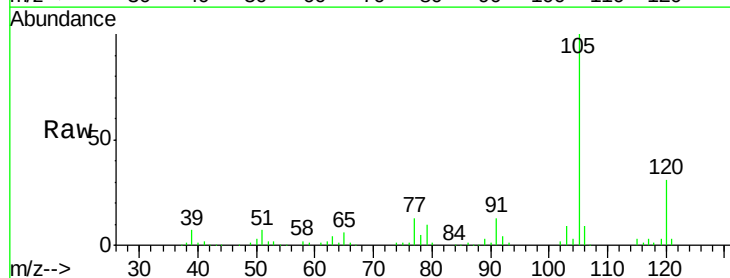
Tgt Ion: 77 Resp: 23764

Ion Ratio Lower Upper

77 100

105 799.3 94.7 134.7#

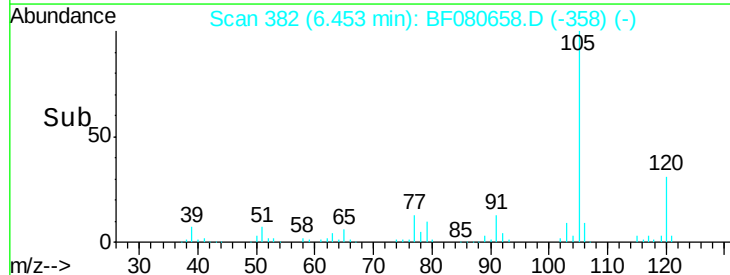
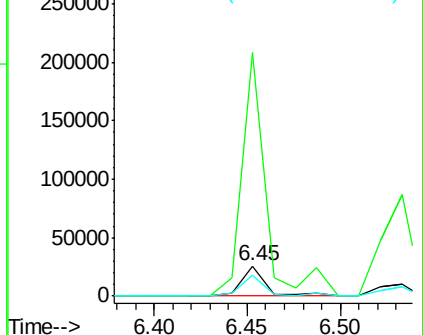
106 68.5 83.4 123.4#

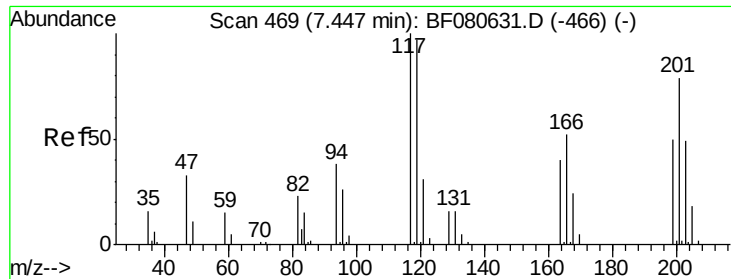


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

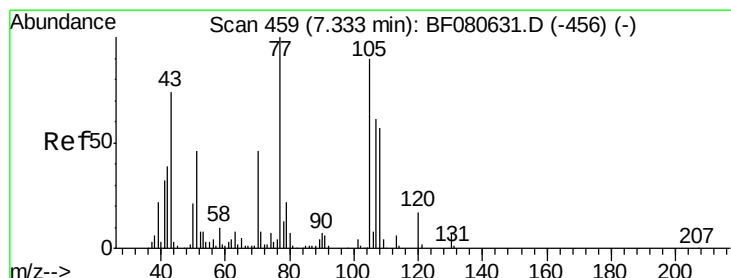
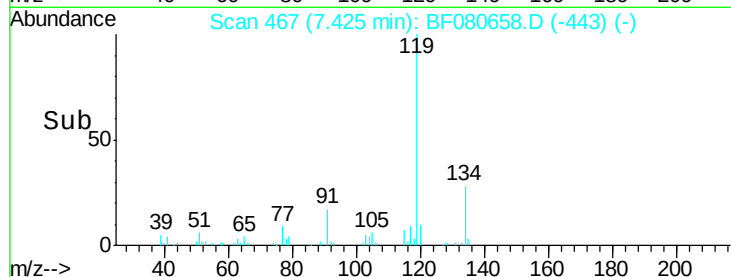
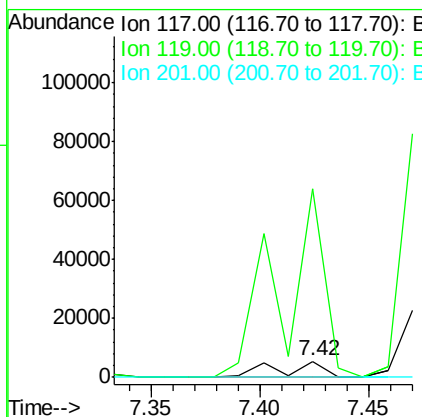
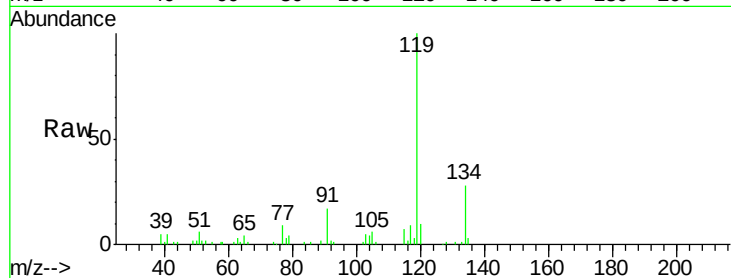




#18
Hexachloroethane
Concen: 5.16 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.02 min
Lab File: BF080658.D
Acq: 25 Jul 2015 8:54

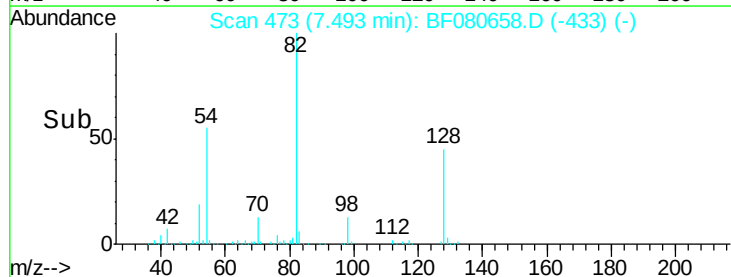
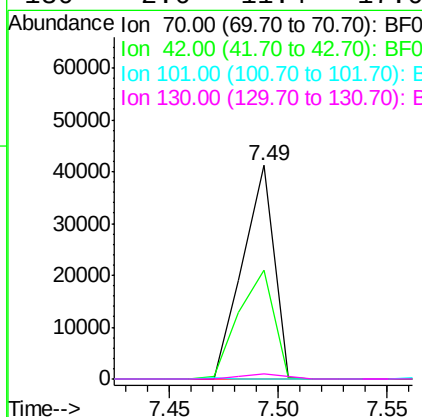
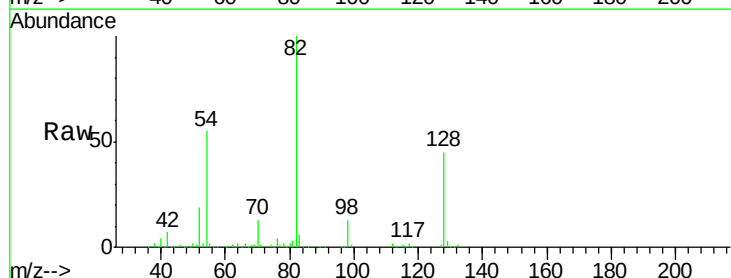
Instrument :
BNA_F
ClientSampleId :
MW-4-7-22-15

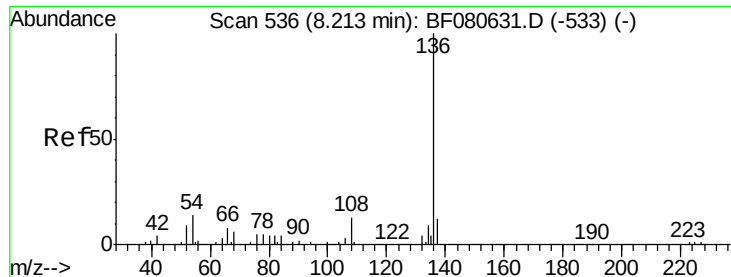
Tgt Ion: 117 Resp: 8051
Ion Ratio Lower Upper
117 100
119 1155.4 77.4 116.2#
201 0.0 62.9 94.3#



#19
n-Nitroso-di-n-propylamine
Concen: 14.85 ng
RT: 7.49 min Scan# 473
Delta R.T. 0.16 min
Lab File: BF080658.D
Acq: 25 Jul 2015 8:54

Tgt Ion: 70 Resp: 41526
Ion Ratio Lower Upper
70 100
42 50.8 67.8 101.8#
101 0.0 6.6 9.8#
130 2.6 11.4 17.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

Instrument :

BNA_F

ClientSampleId :

MW-4-7-22-15

Tgt Ion:136 Resp: 201700

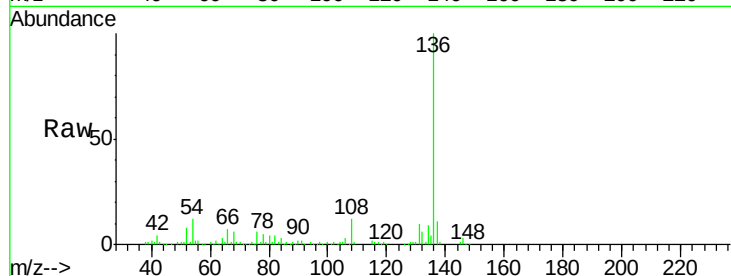
Ion Ratio Lower Upper

136 100

137 10.6 9.3 13.9

54 12.3 11.6 17.4

68 5.9 5.0 7.4

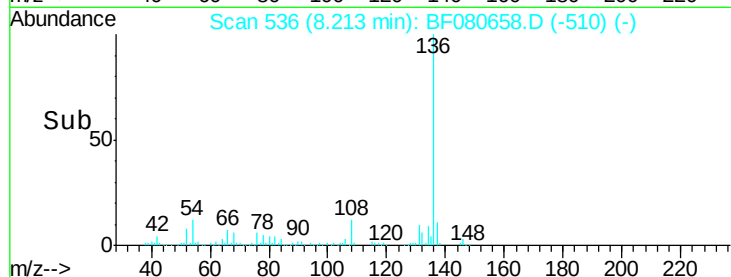


Abundance Ion 136.00 (135.70 to 136.70): E

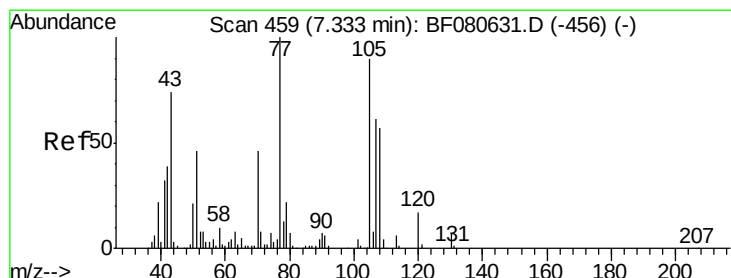
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 6.82 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.00 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

Tgt Ion:105 Resp: 35726

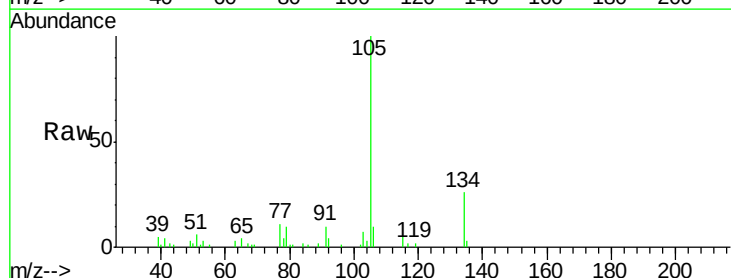
Ion Ratio Lower Upper

105 100

71 0.0 7.2 10.8#

51 5.6 40.8 61.2#

120 0.0 15.3 22.9#

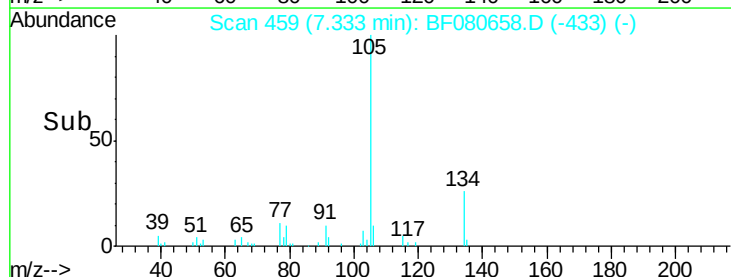


Abundance Ion 105.00 (104.70 to 105.70): E

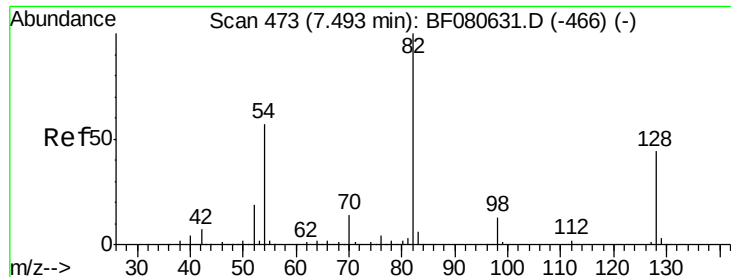
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->



#23

Nitrobenzene-d5

Concen: 74.32 ng

RT: 7.49 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

Instrument :

BNA_F

ClientSampleId :

MW-4-7-22-15

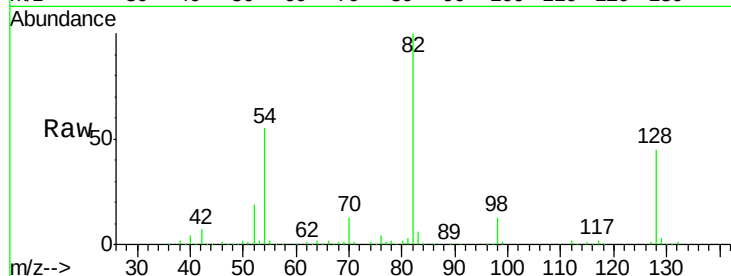
Tgt Ion: 82 Resp: 298484

Ion Ratio Lower Upper

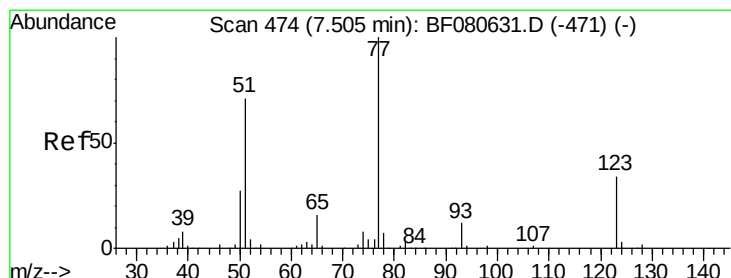
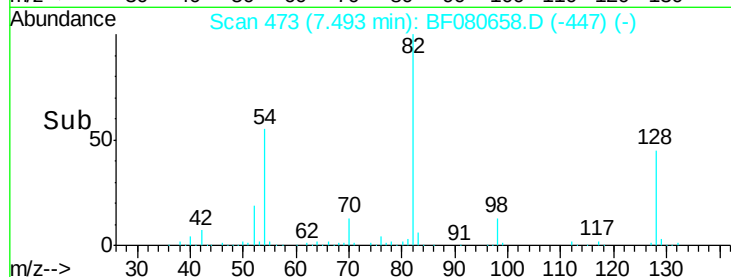
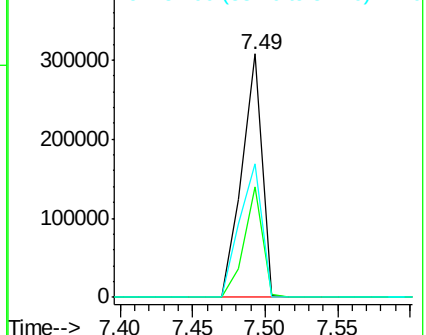
82 100

128 45.4 34.8 52.2

54 54.7 45.4 68.0



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



#24

Nitrobenzene

Concen: 2.09 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.03 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

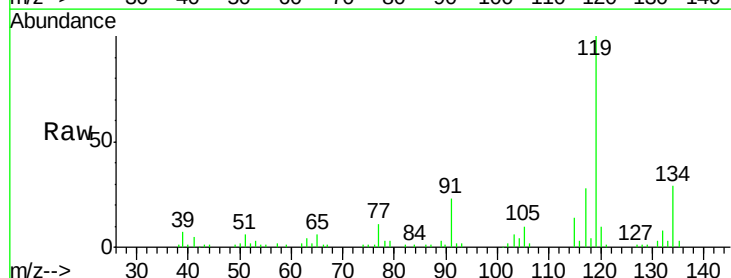
Tgt Ion: 77 Resp: 8363

Ion Ratio Lower Upper

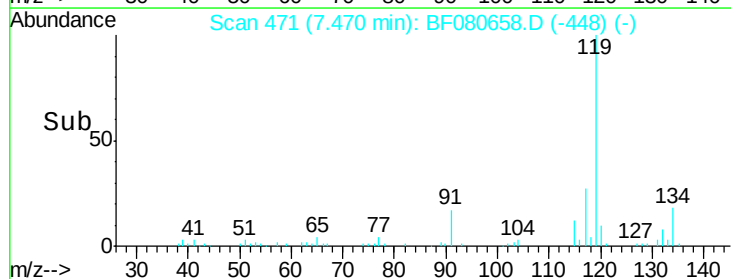
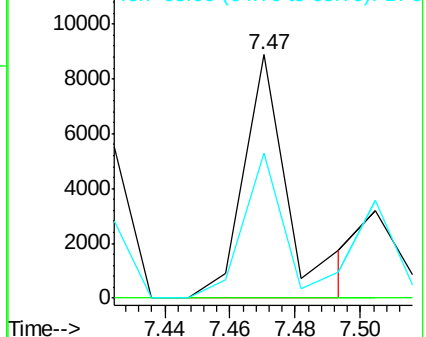
77 100

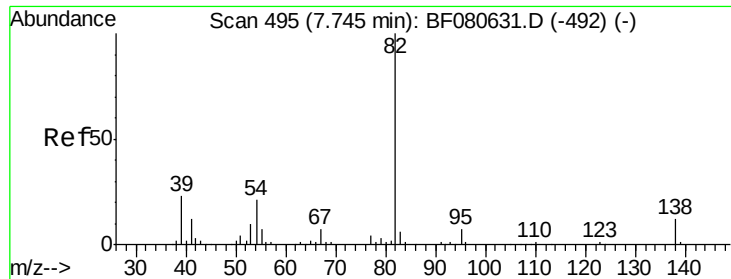
123 0.0 27.1 40.7#

65 59.7 12.6 18.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0

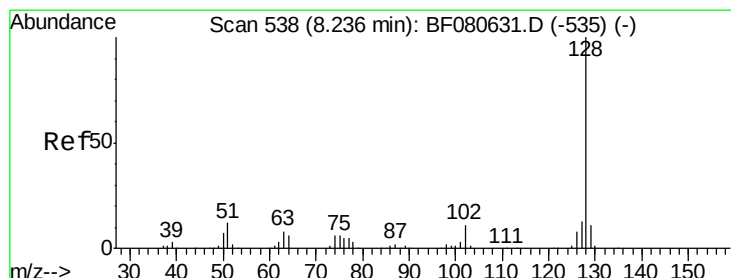
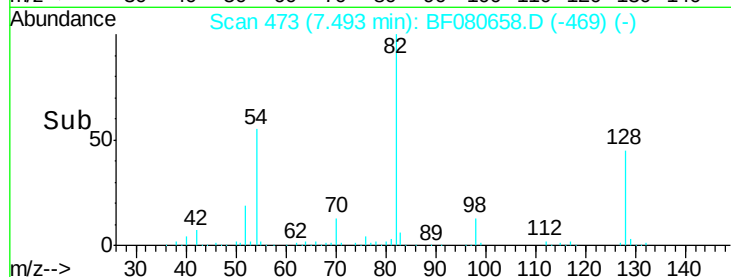
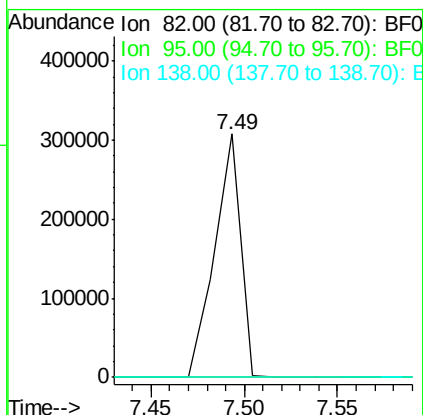
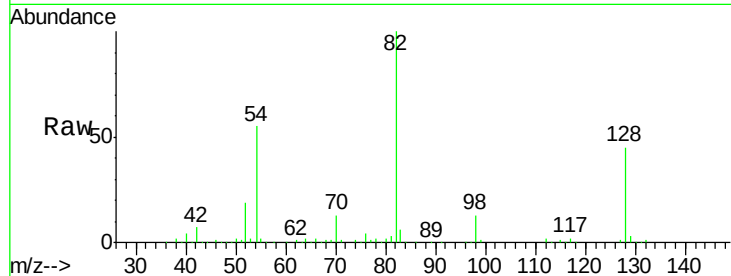




#25
Isophorone
Concen: 42.34 ng
RT: 7.49 min Scan# 473
Delta R.T. -0.25 min
Lab File: BF080658.D
Acq: 25 Jul 2015 8:54

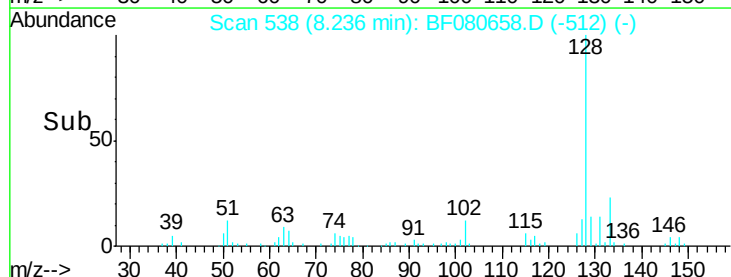
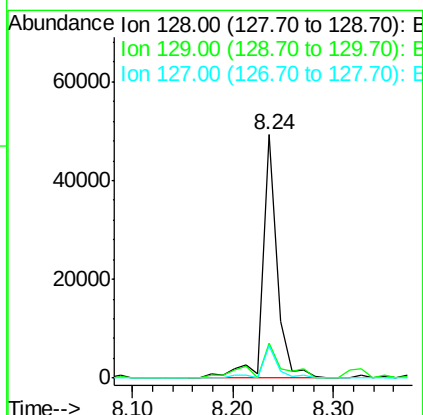
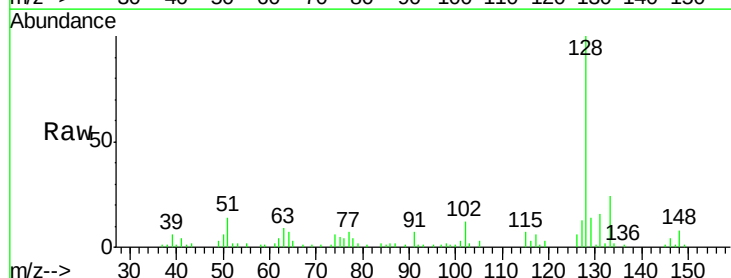
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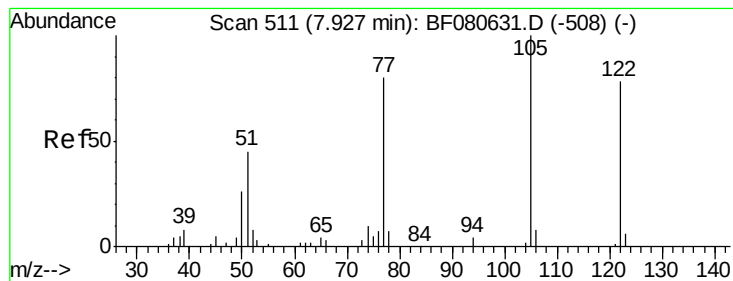
Tgt Ion: 82 Resp: 298218
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 9.7 14.5#



#31
Naphthalene
Concen: 4.84 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.00 min
Lab File: BF080658.D
Acq: 25 Jul 2015 8:54

Tgt Ion: 128 Resp: 48895
Ion Ratio Lower Upper
128 100
129 14.1 9.0 13.6#
127 13.2 10.6 15.8





#32

Benzoic acid

Concen: 7.72 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.07 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

Instrument :

BNA_F

ClientSampleId :

MW-4-7-22-15

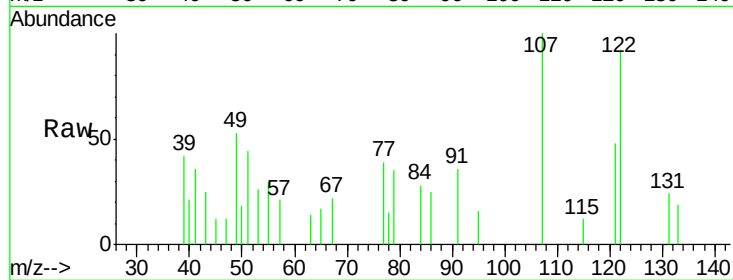
Tgt Ion:122 Resp: 2535

Ion Ratio Lower Upper

122 100

105 0.0 107.9 147.9#

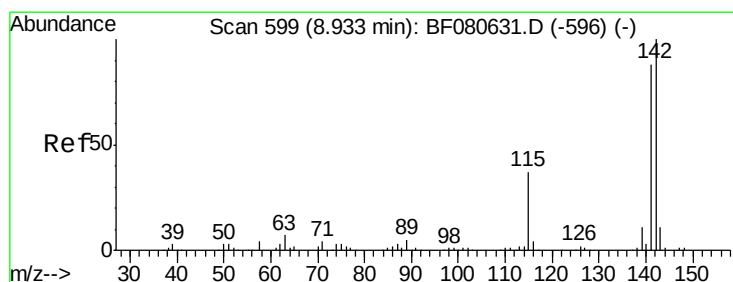
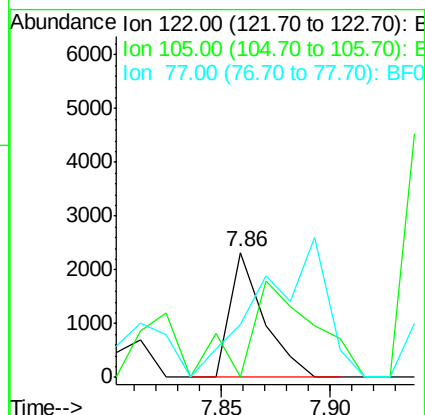
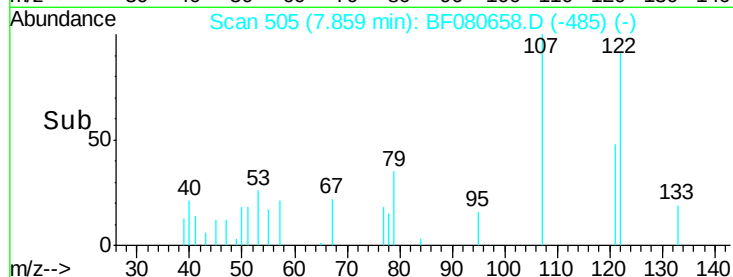
77 42.4 84.3 124.3#



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



#37

2-Methylnaphthalene

Concen: 2.82 ng

RT: 8.93 min Scan# 599

Delta R.T. -0.00 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

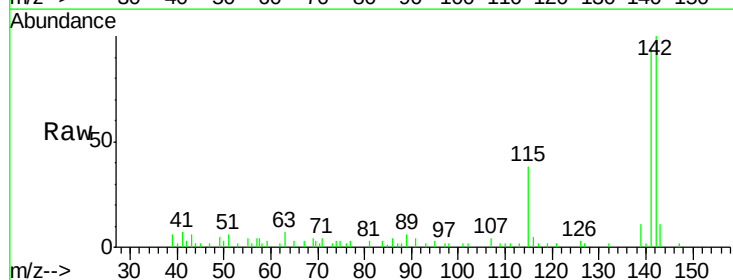
Tgt Ion:142 Resp: 20291

Ion Ratio Lower Upper

142 100

141 93.9 70.7 106.1

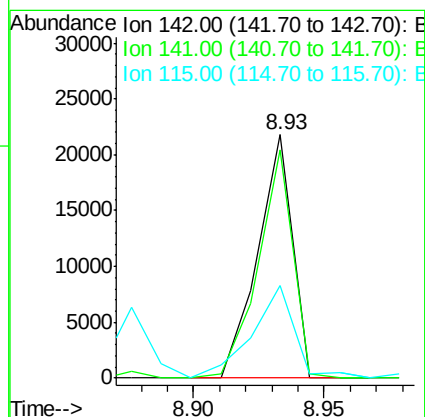
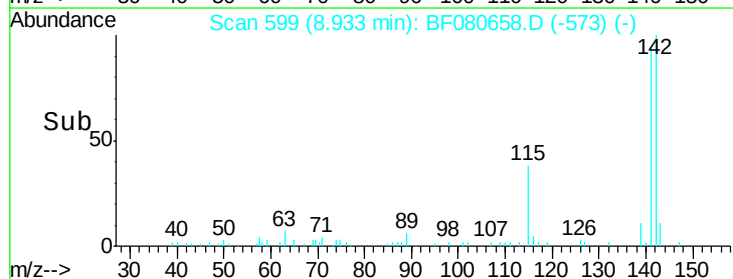
115 38.2 29.3 43.9

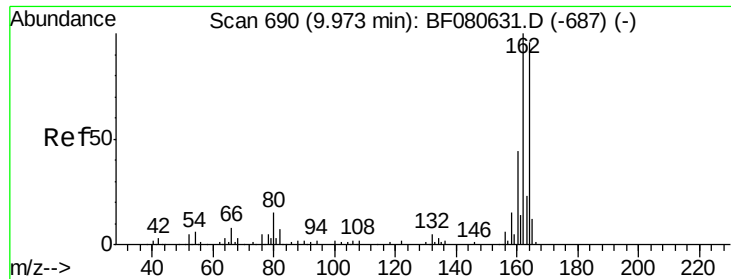


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.00 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

Instrument :

BNA_F

ClientSampleId :

MW-4-7-22-15

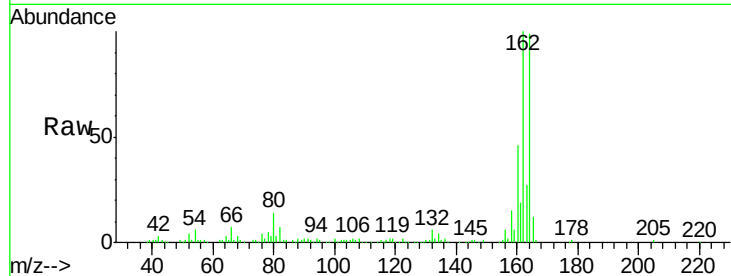
Tgt Ion:164 Resp: 118684

Ion Ratio Lower Upper

164 100

162 101.4 83.3 124.9

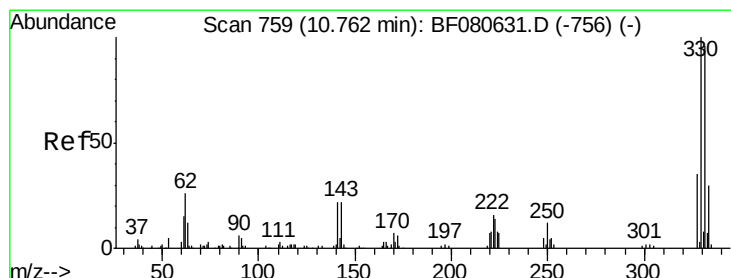
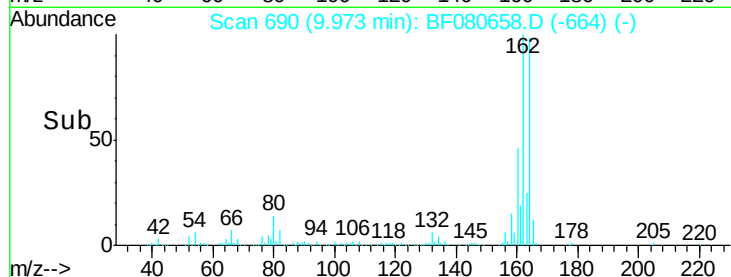
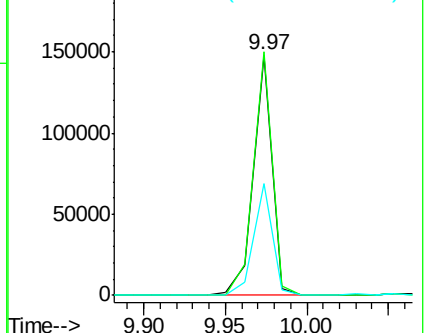
160 46.4 36.9 55.3



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: 116.11 ng

RT: 10.76 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

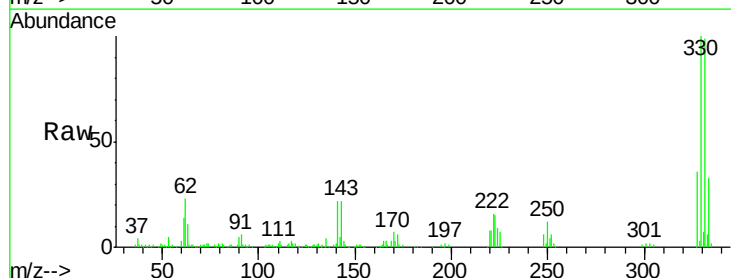
Tgt Ion:330 Resp: 123804

Ion Ratio Lower Upper

330 100

332 98.0 76.7 115.1

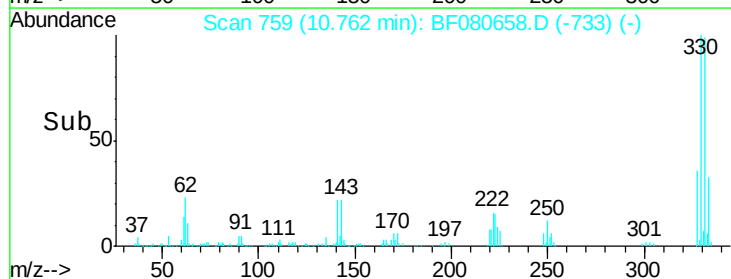
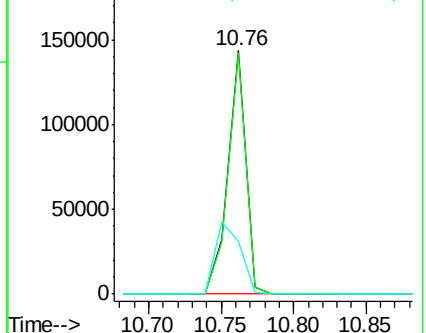
141 42.1 32.7 49.1

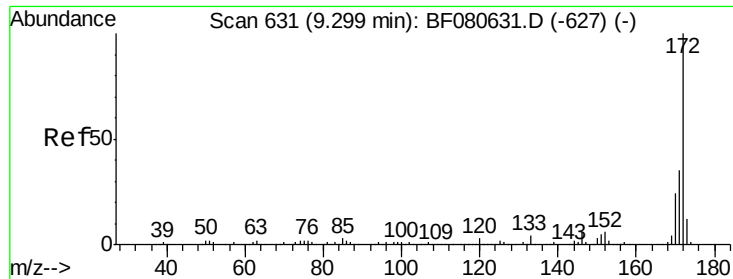


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

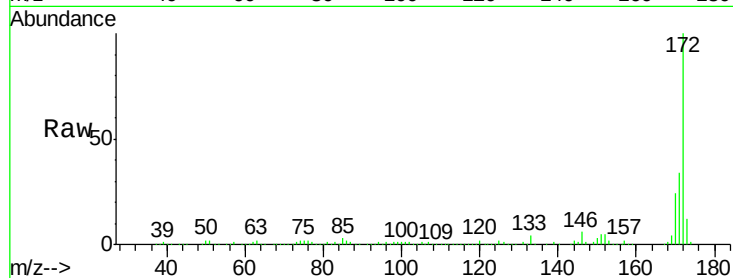




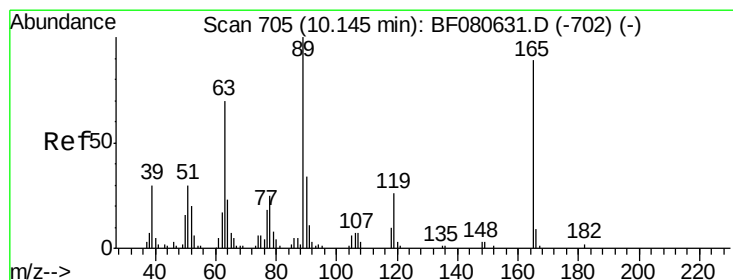
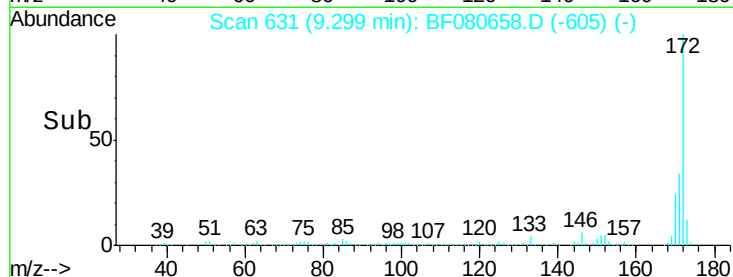
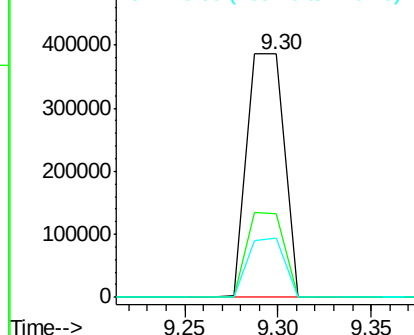
#44
 2-Fluorobiphenyl
 Concen: 69.19 ng
 RT: 9.30 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: BF080658.D
 Acq: 25 Jul 2015 8:54

Instrument :
 BNA_F
 ClientSampleId :
 MW-4-7-22-15

Tgt Ion:172 Resp: 532252
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.7 41.5
 170 24.2 19.0 28.4

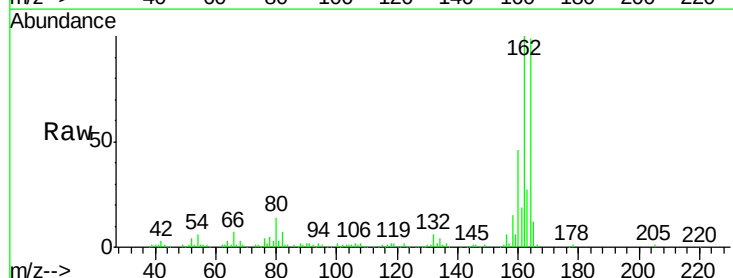


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

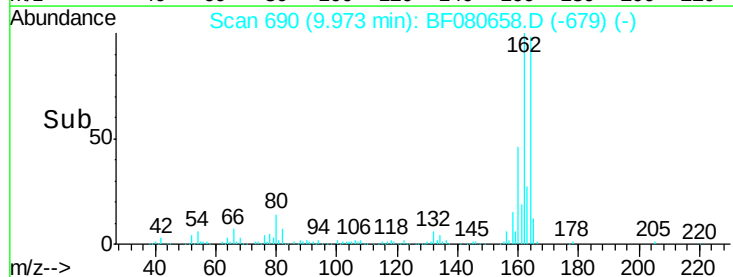
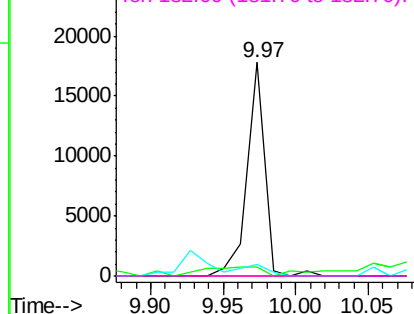


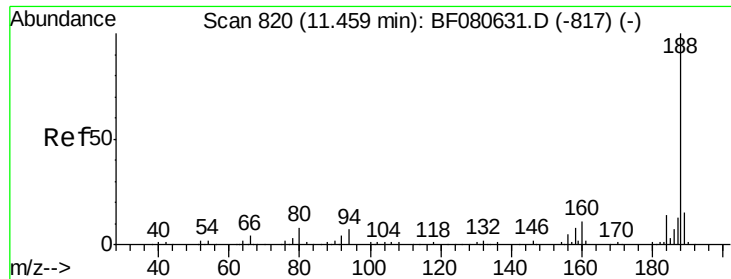
#56
 2,4-Dinitrotoluene
 Concen: 7.54 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.17 min
 Lab File: BF080658.D
 Acq: 25 Jul 2015 8:54

Tgt Ion:165 Resp: 15108
 Ion Ratio Lower Upper
 165 100
 63 4.4 63.0 94.4#
 89 5.4 90.2 135.2#
 182 0.0 1.6 2.4#



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

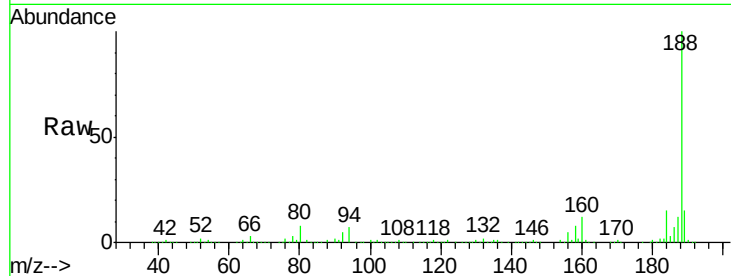




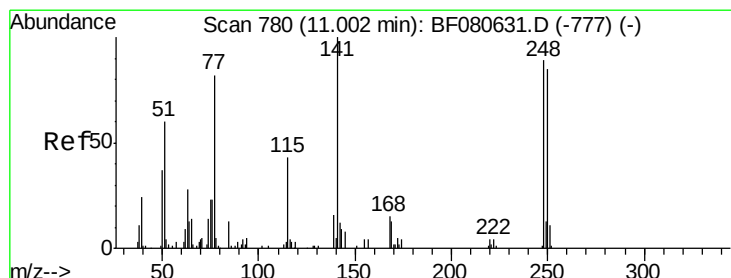
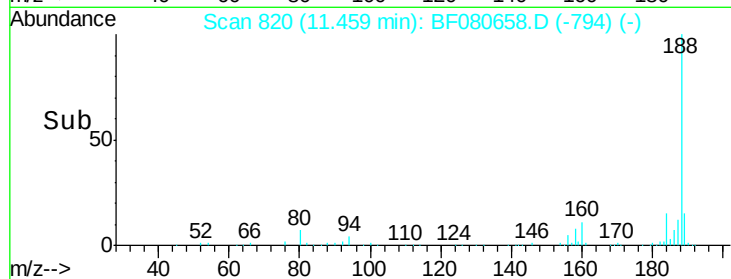
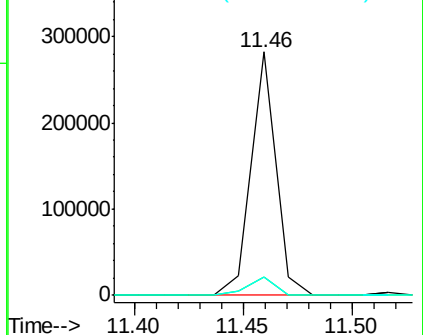
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.00 min
Lab File: BF080658.D
Acq: 25 Jul 2015 8:54

Instrument :
BNA_F
ClientSampleId :
MW-4-7-22-15

Tgt Ion:188 Resp: 223578
Ion Ratio Lower Upper
188 100
94 7.5 5.6 8.4
80 7.7 6.1 9.1

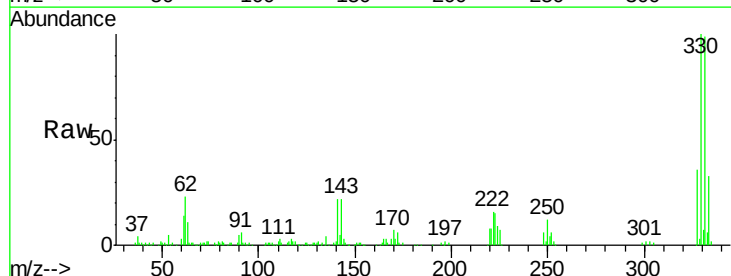


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

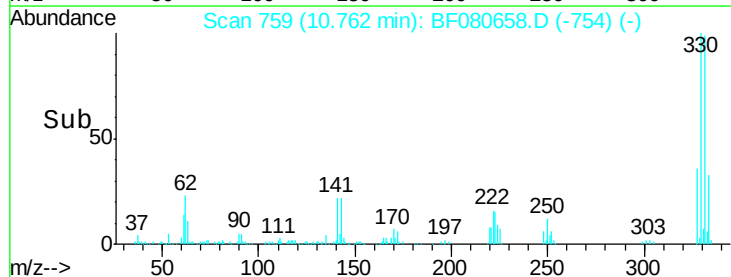
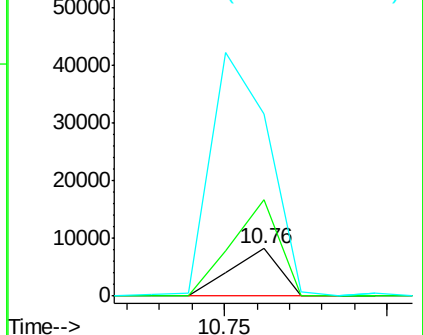


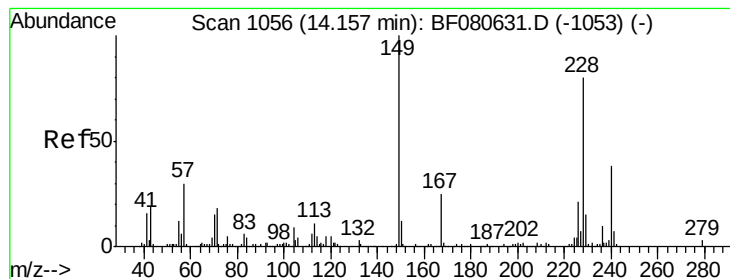
#66
4-Bromophenyl-phenylether
Concen: 4.02 ng
RT: 10.76 min Scan# 759
Delta R.T. -0.24 min
Lab File: BF080658.D
Acq: 25 Jul 2015 8:54

Tgt Ion:248 Resp: 8469
Ion Ratio Lower Upper
248 100
250 205.1 76.6 114.8#
141 384.8 90.0 135.0#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.25 min Scan# 1064

Delta R.T. 0.09 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

Instrument :

BNA_F

ClientSampleId :

MW-4-7-22-15

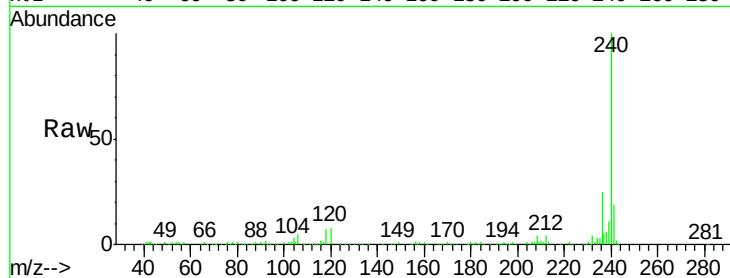
Tgt Ion:240 Resp: 198413

Ion Ratio Lower Upper

240 100

120 8.0 10.8 16.2#

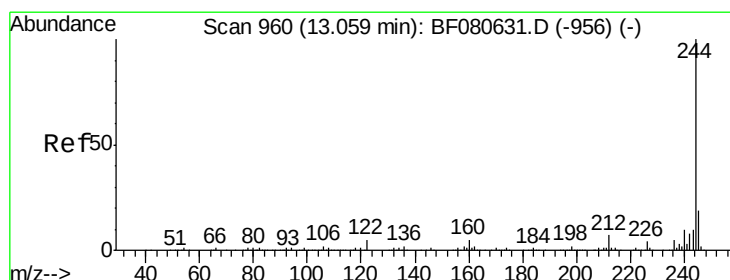
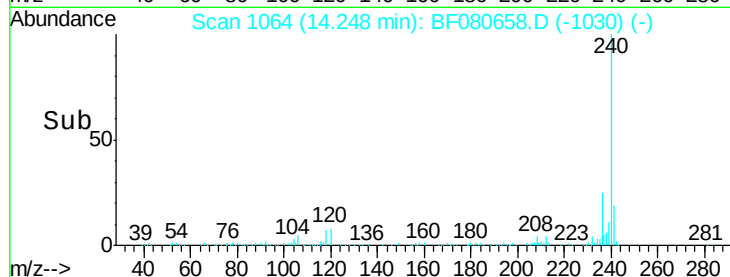
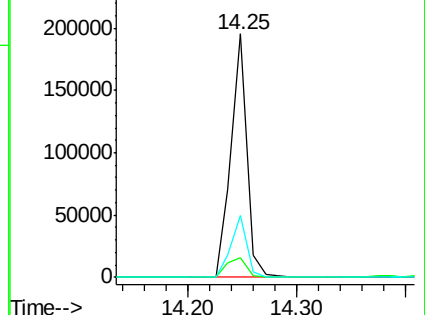
236 25.2 20.3 30.5



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: 70.21 ng

RT: 13.08 min Scan# 962

Delta R.T. 0.02 min

Lab File: BF080658.D

Acq: 25 Jul 2015 8:54

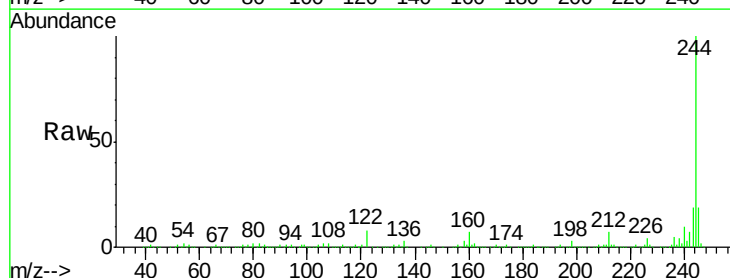
Tgt Ion:244 Resp: 646941

Ion Ratio Lower Upper

244 100

212 7.3 5.2 7.8

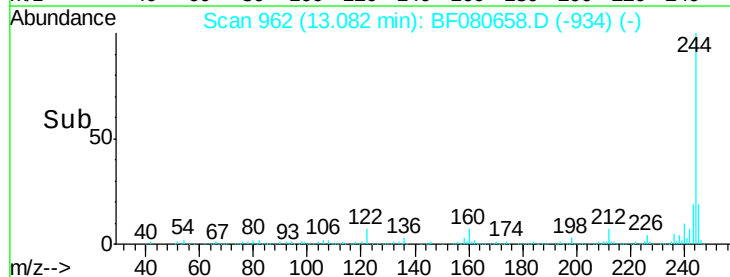
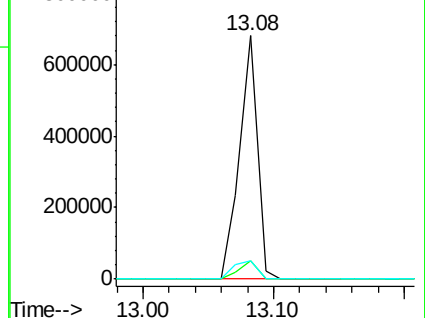
122 7.5 4.1 6.1#

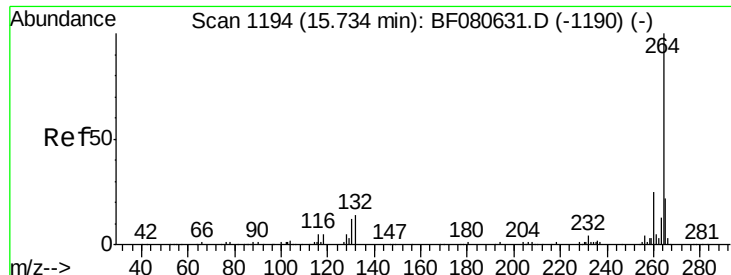


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

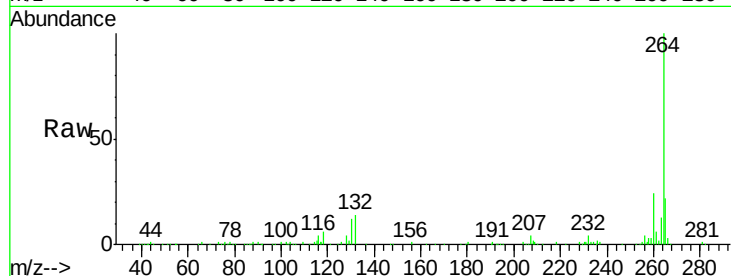




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.91 min Scan# 1209
Delta R.T. 0.17 min
Lab File: BF080658.D
Acq: 25 Jul 2015 8:54

Instrument :
BNA_F
ClientSampleId :
MW-4-7-22-15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	20.1	30.1
265	22.1	17.4	26.0



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

