

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122916\
 Data File : BF092034.D
 Acq On : 29 Dec 2016 19:57
 Operator : UM/SJ
 Sample : H6301-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11

Quant Time: Dec 29 23:52:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

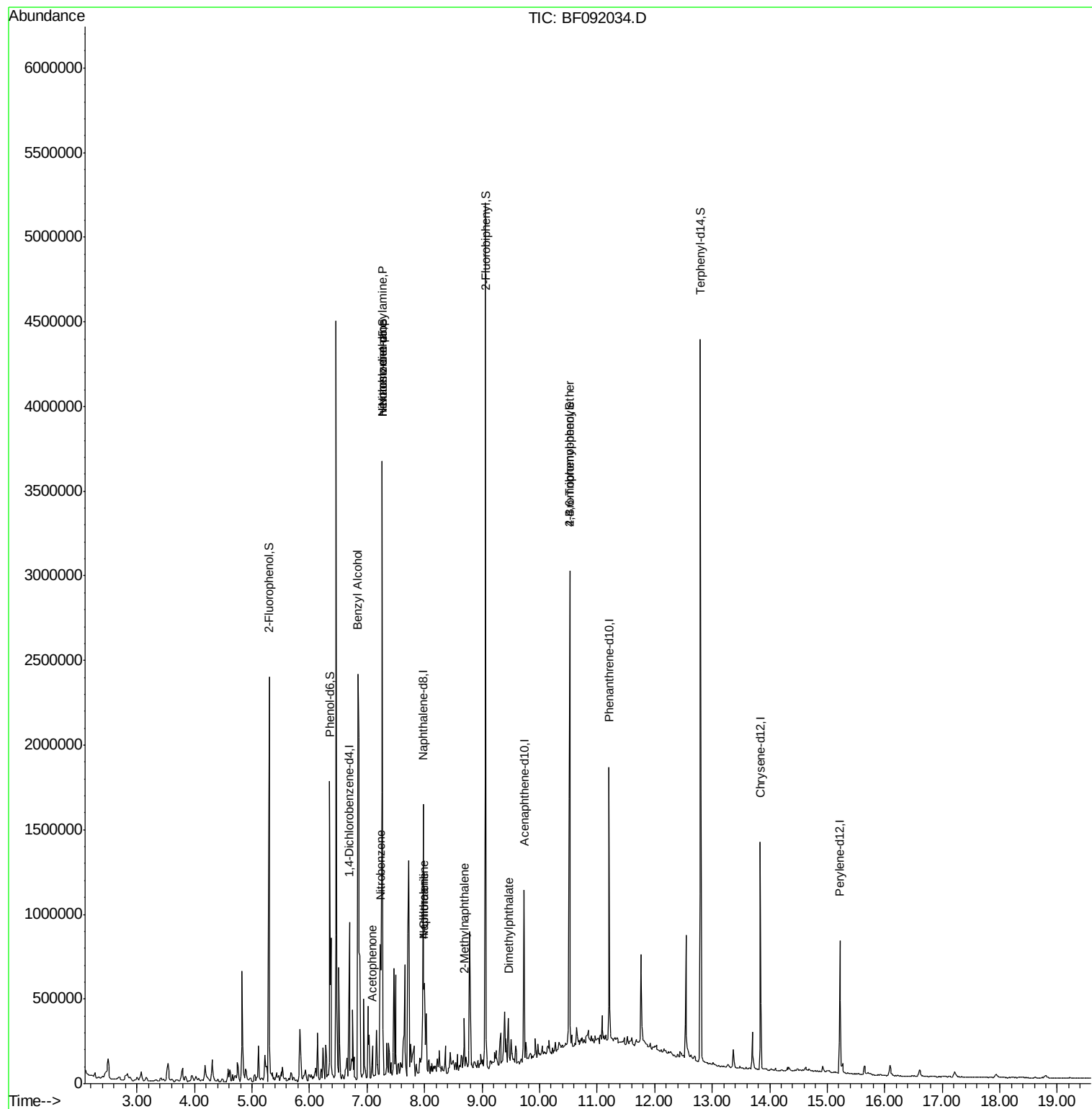
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	155859	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	599591	20.00	ng	-0.02
38) Acenaphthene-d10	9.73	164	331129	20.00	ng	-0.02
63) Phenanthrene-d10	11.21	188	554138	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	467903	20.00	ng	-0.03
86) Perylene-d12	15.22	264	369224	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	800284	85.73	ng	-0.02
7) Phenol-d6	6.35	99	574372	50.40	ng	-0.03
23) Nitrobenzene-d5	7.26	82	1015064	94.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	371924	135.72	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1605033	101.88	ng	-0.02
78) Terphenyl-d14	12.80	244	1589917	82.41	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	6.84	79	19246	2.17	ng	# 52
18) Hexachloroethane	7.26	117	433898	101.44	ng	# 2
19) n-Nitroso-di-n-propylamine	7.26	70	137495	18.13	ng	# 75
22) Acetophenone	7.09	105	71438	4.83	ng	# 54
24) Nitrobenzene	7.23	77	31580	2.75	ng	# 18
31) Naphthalene	8.00	128	145159	5.29	ng	# 95
33) 4-Chloroaniline	8.00	127	31083	2.51	ng	# 40
37) 2-Methylnaphthalene	8.69	142	86828	3.60	ng	97
49) Dimethylphthalate	9.46	163	129153	6.10	ng	100
66) 4-Bromophenyl-phenylether	10.52	248	25767	4.47	ng	# 1
71) Anthracene	11.29	178	1354	Below Cal	#	6
73) Di-n-butylphthalate	11.78	149	8321	Below Cal	#	80
74) Fluoranthene	12.42	202	2659	Below Cal	#	73
76) Benzidine	12.53	184	1492	Below Cal	#	1

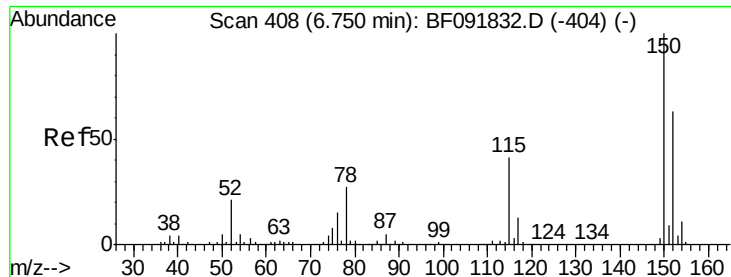
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

MW-11

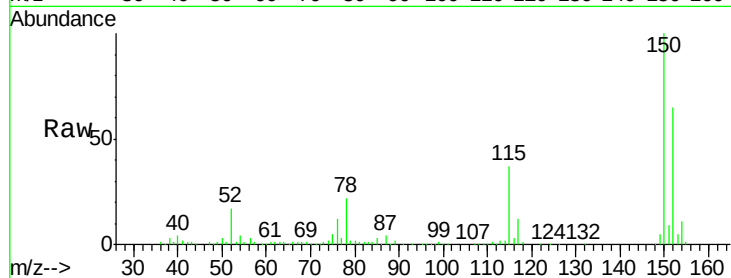
Tgt Ion:152 Resp: 155859

Ion Ratio Lower Upper

152 100

150 154.9 124.9 187.3

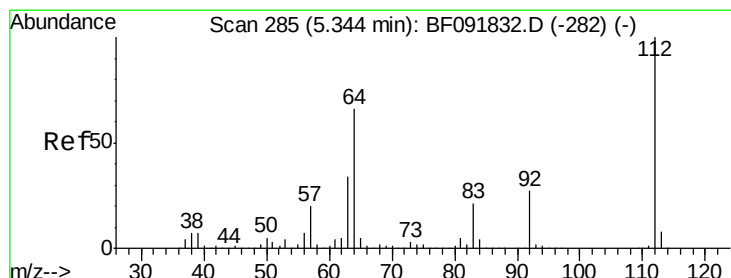
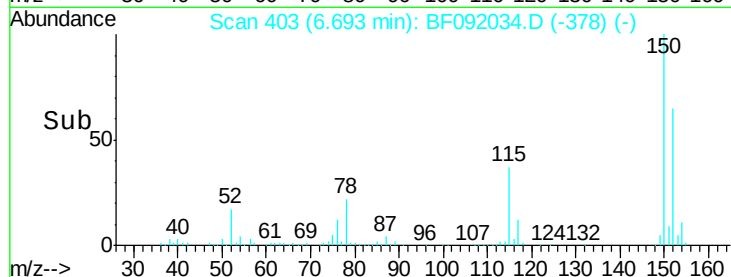
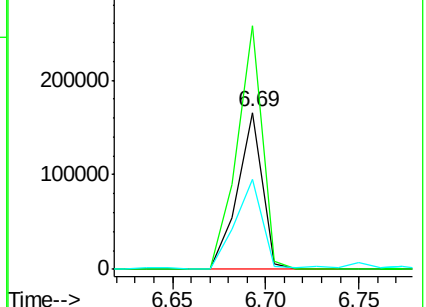
115 57.2 46.0 69.0



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: 85.73 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

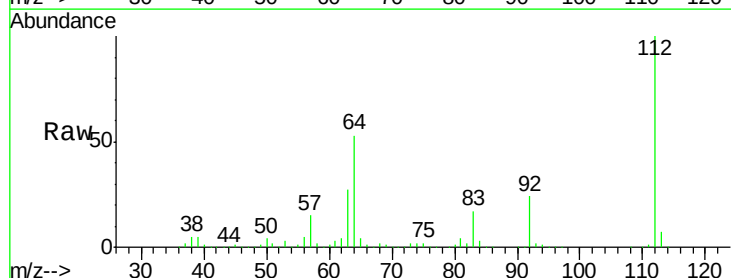
Tgt Ion:112 Resp: 800284

Ion Ratio Lower Upper

112 100

64 53.3 46.1 69.1

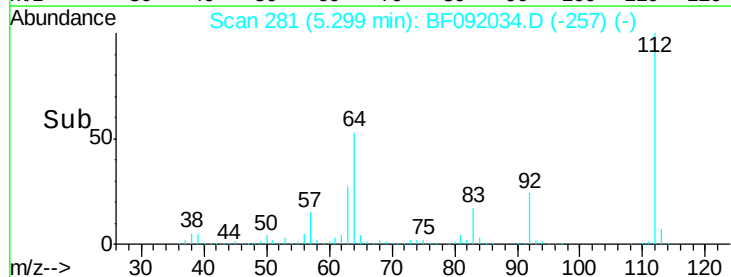
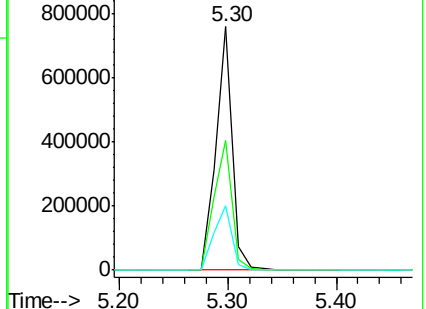
63 26.6 23.8 35.6

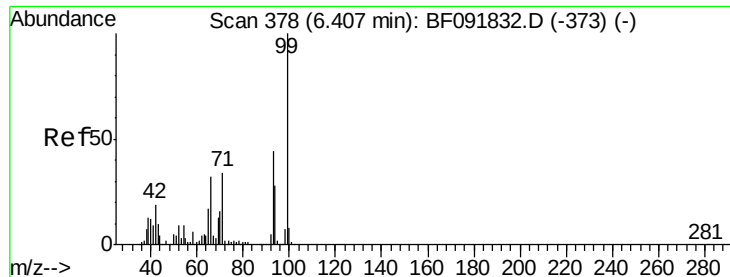


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.40 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.03 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

MW-11

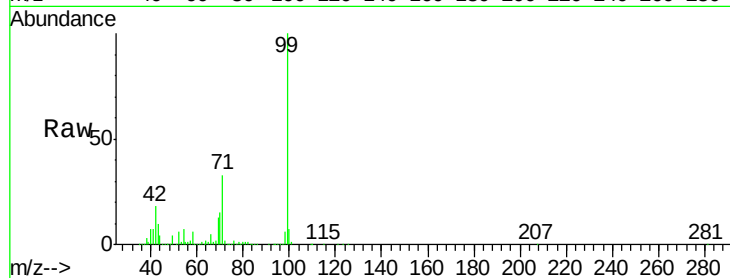
Tgt Ion: 99 Resp: 574372

Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

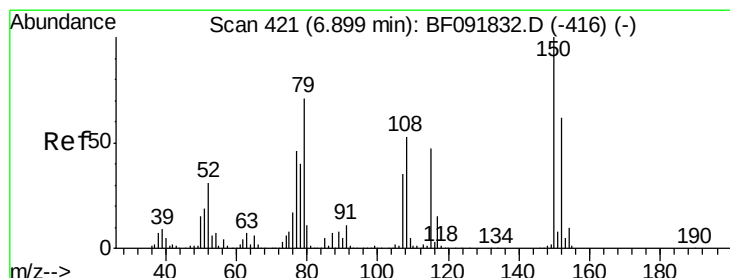
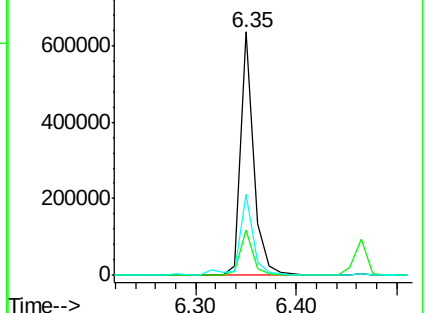
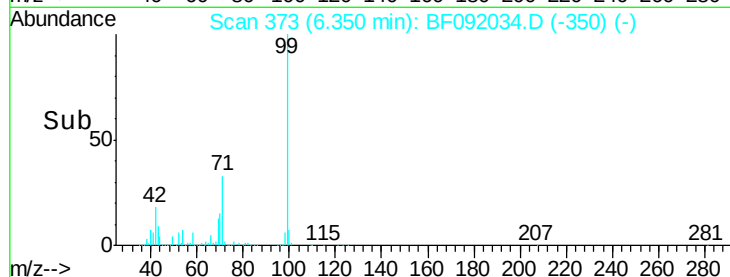
71 33.1 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

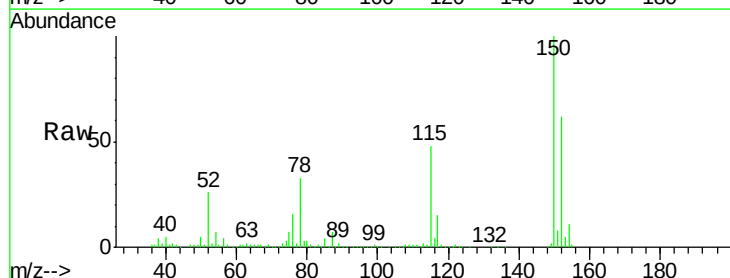
Tgt Ion: 79 Resp: 19246

Ion Ratio Lower Upper

79 100

108 26.8 61.4 92.0#

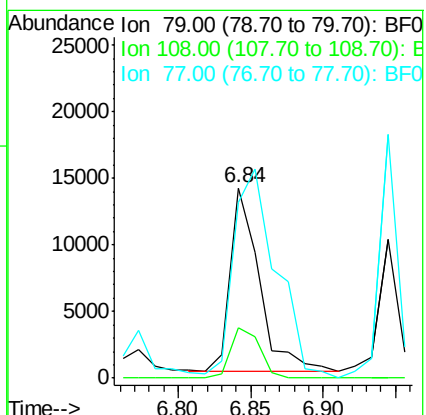
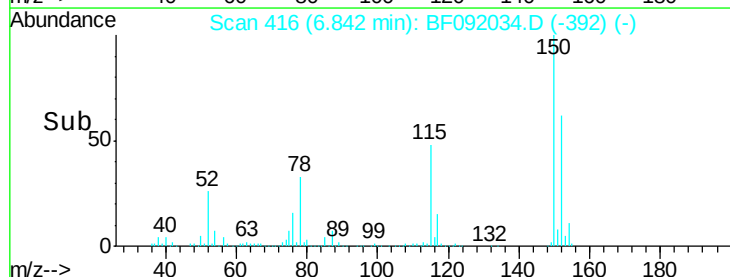
77 92.5 50.9 76.3#

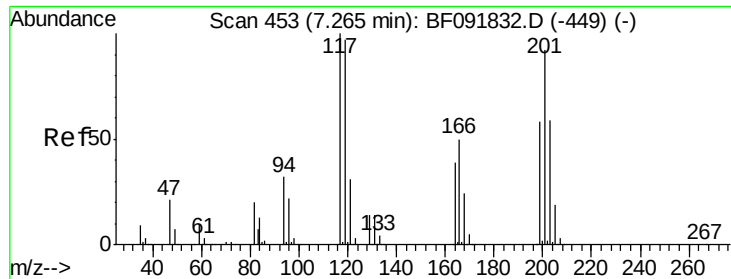


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 101.44 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.05 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

MW-11

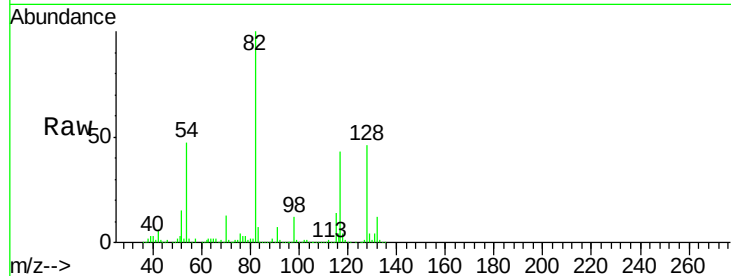
Tgt Ion:117 Resp: 433898

Ion Ratio Lower Upper

117 100

119 2.5 78.1 117.1#

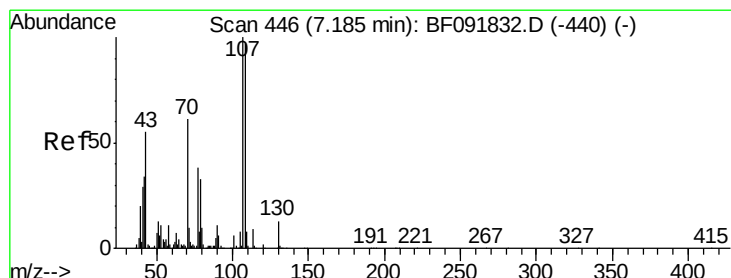
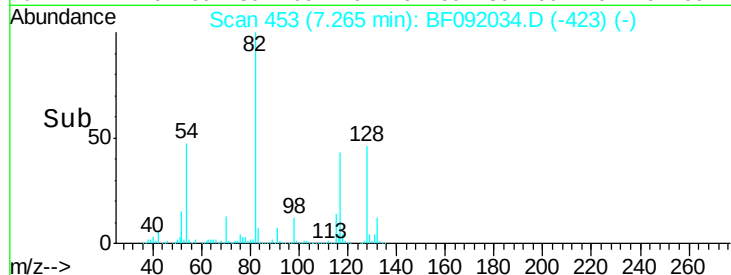
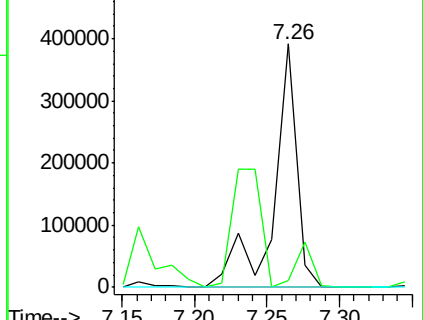
201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 18.13 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.13 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

Tgt Ion: 70 Resp: 137495

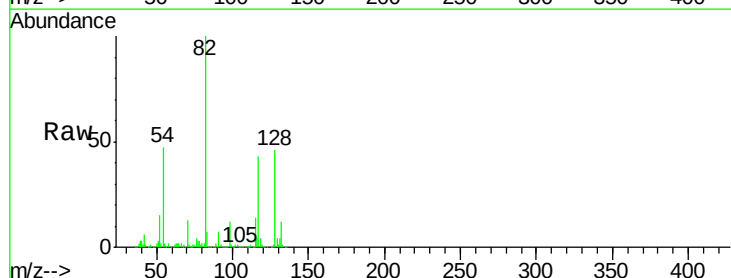
Ion Ratio Lower Upper

70 100

42 43.1 49.4 74.0#

101 1.5 7.4 11.2#

130 4.7 14.2 21.4#

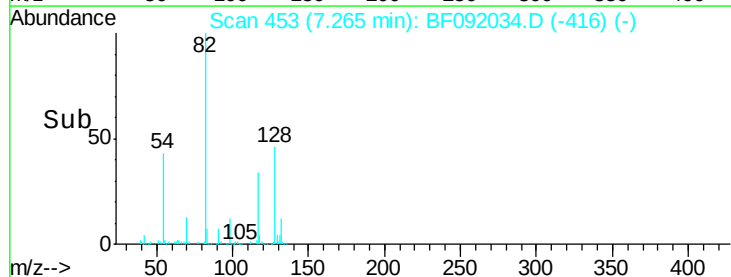
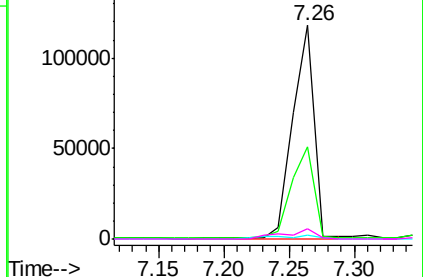


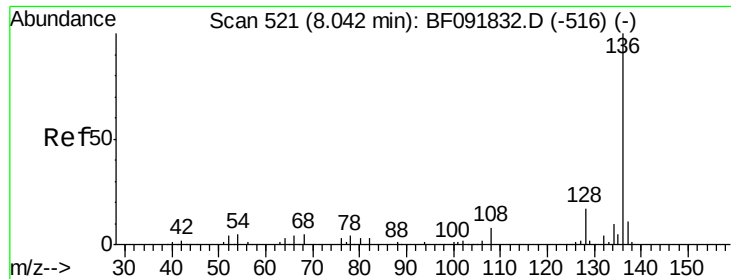
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

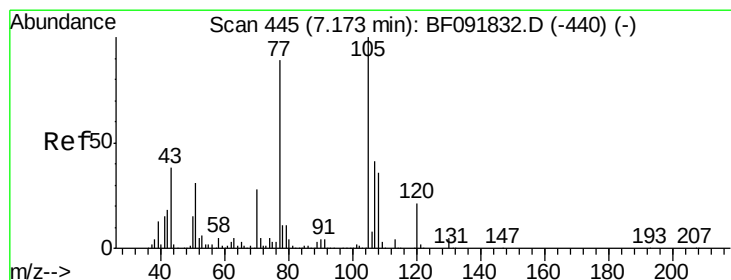
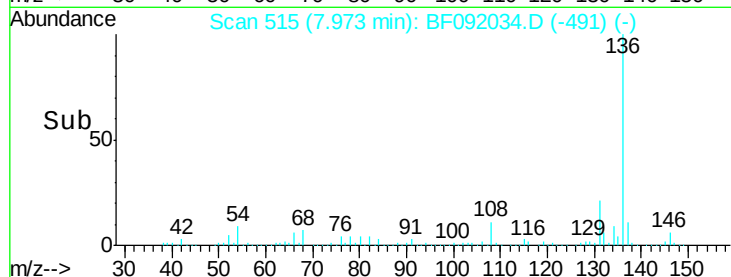
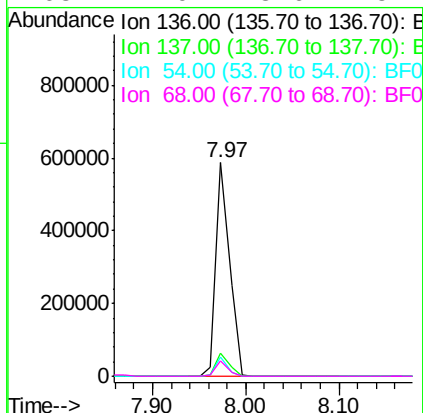
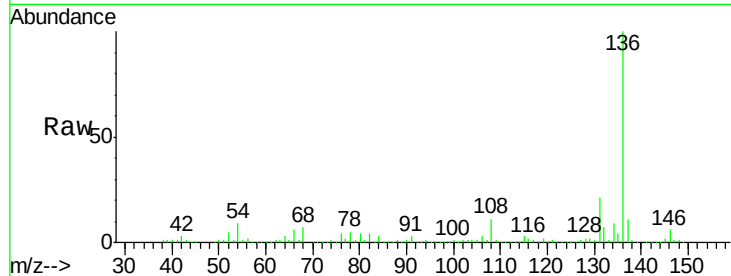




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF092034.D
Acq: 29 Dec 2016 19:57

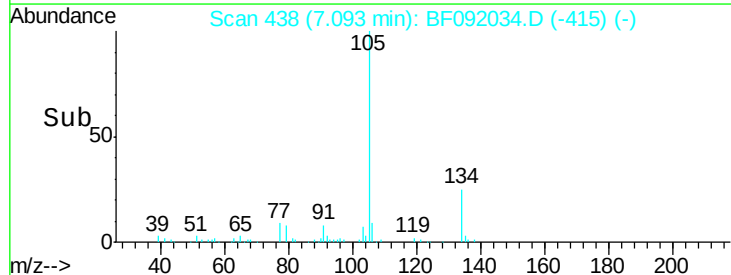
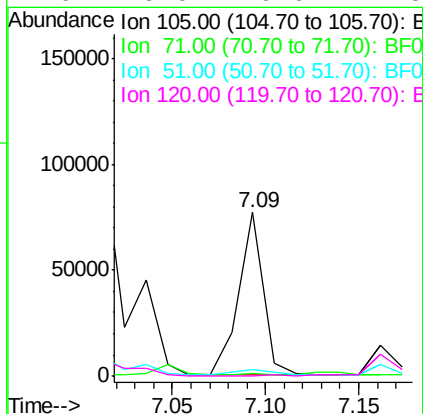
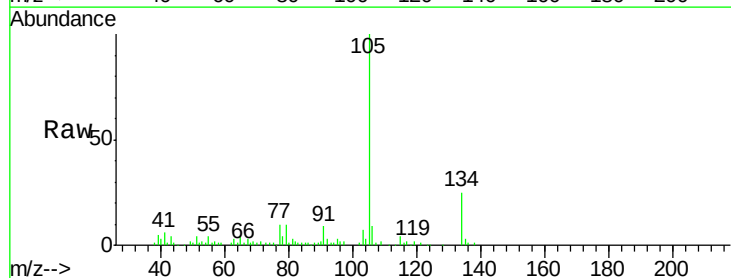
Instrument :
BNA_F
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MW-11

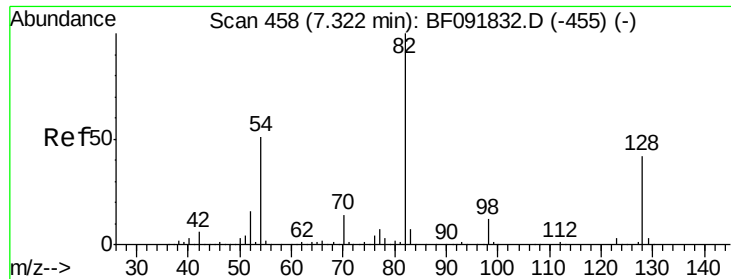
Tgt Ion:	136	Resp:	599591
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	9.1	4.5	6.7#
68	7.0	3.6	5.4#



#22
Acetophenone
Concen: 4.83 ng
RT: 7.09 min Scan# 438
Delta R.T. -0.03 min
Lab File: BF092034.D
Acq: 29 Dec 2016 19:57

Tgt Ion:	105	Resp:	71438
Ion	Ratio	Lower	Upper
105	100		
71	1.8	3.2	4.8#
51	3.6	26.2	39.4#
120	0.0	16.6	24.8#

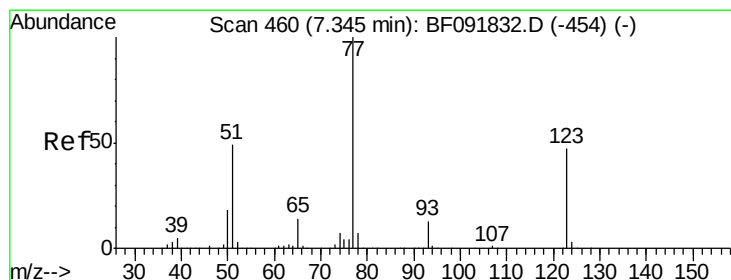
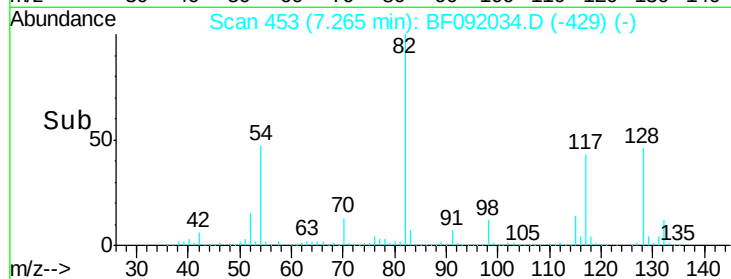
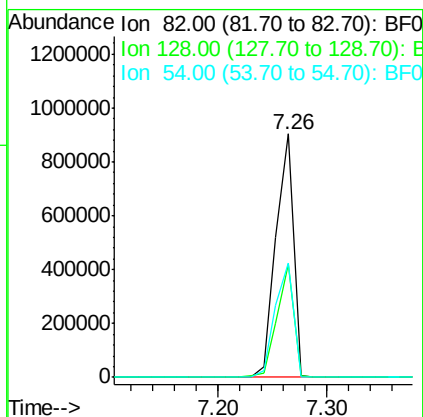
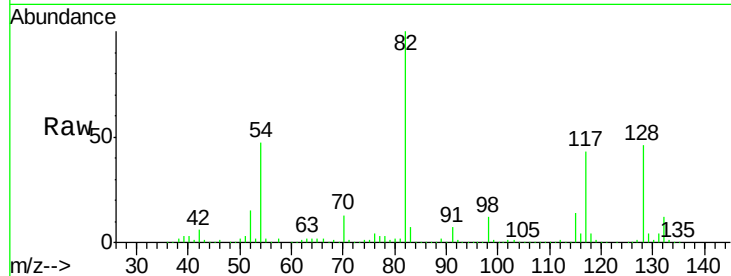




#23
Nitrobenzene-d5
Concen: 94.14 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF092034.D
Acq: 29 Dec 2016 19:57

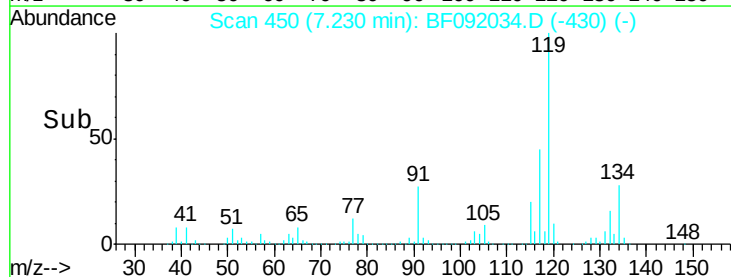
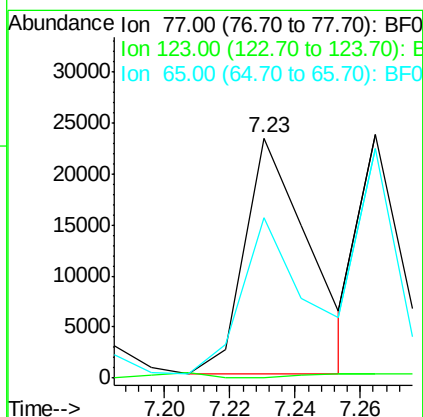
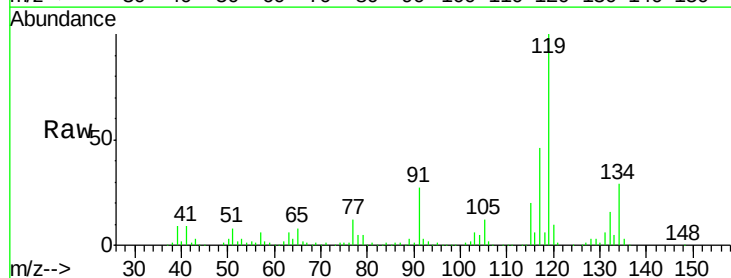
Instrument :
BNA_F
ClientSampleId :
MW-11

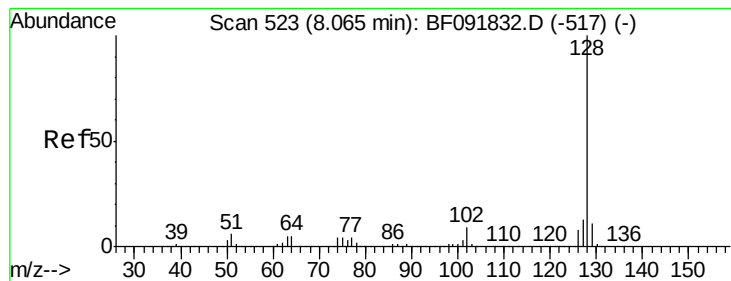
Tgt Ion: 82 Resp: 1015064
Ion Ratio Lower Upper
82 100
128 46.3 34.6 52.0
54 46.7 39.5 59.3



#24
Nitrobenzene
Concen: 2.75 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.07 min
Lab File: BF092034.D
Acq: 29 Dec 2016 19:57

Tgt Ion: 77 Resp: 31580
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.4#
65 66.6 11.2 16.8#





#31

Naphthalene

Concen: 5.29 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

MW-11

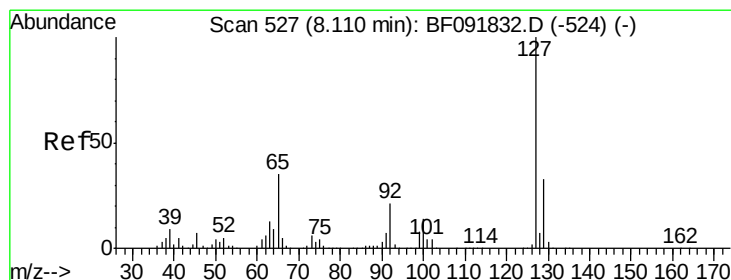
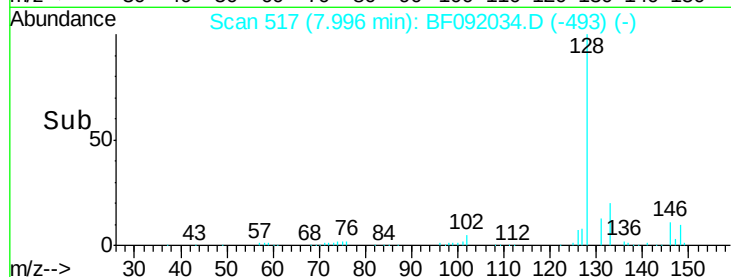
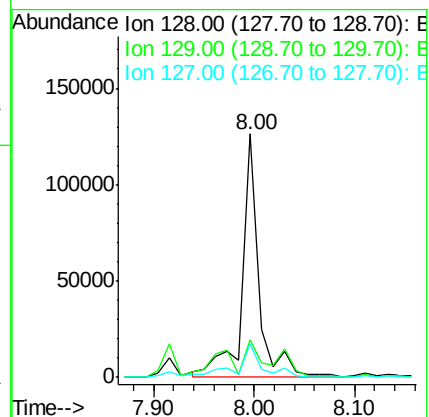
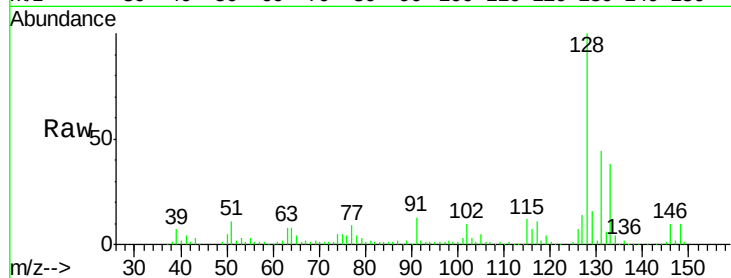
Tgt Ion:128 Resp: 145159

Ion Ratio Lower Upper

128 100

129 15.5 9.5 14.3#

127 14.1 10.8 16.2



#33

4-Chloroaniline

Concen: 2.51 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.08 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

Tgt Ion:127 Resp: 31083

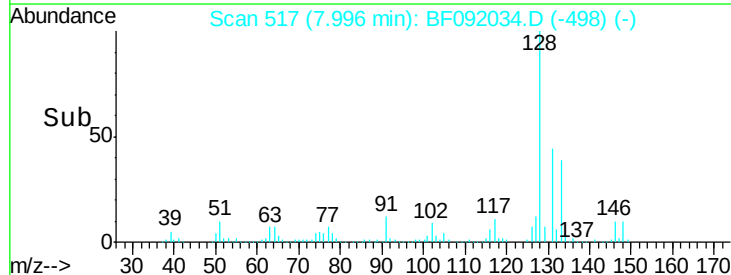
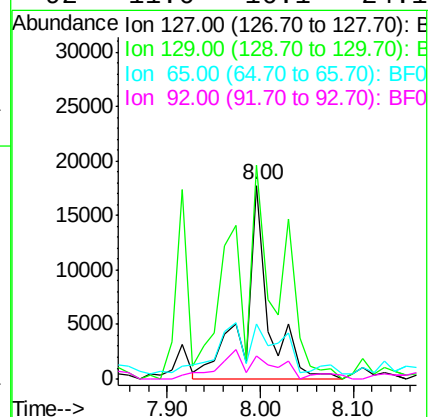
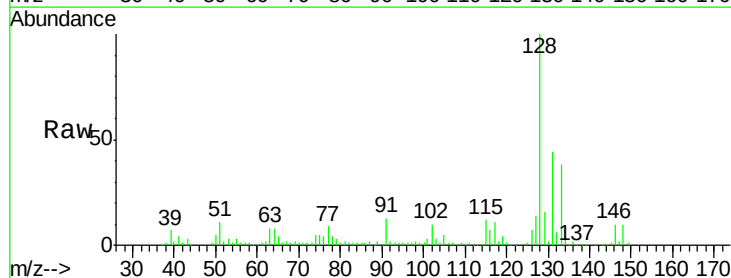
Ion Ratio Lower Upper

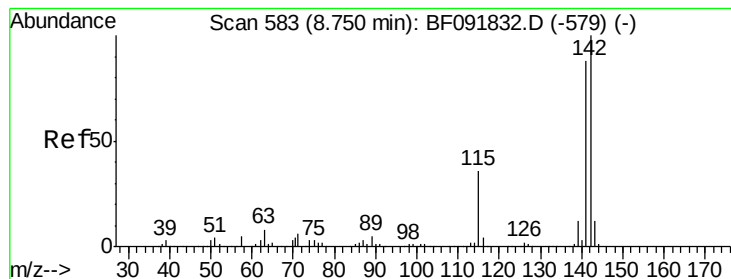
127 100

129 110.2 26.3 39.5#

65 28.6 25.8 38.8

92 11.6 16.1 24.1#





#37

2-Methylnaphthalene

Concen: 3.60 ng

RT: 8.69 min Scan# 578

Delta R.T. -0.02 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

MW-11

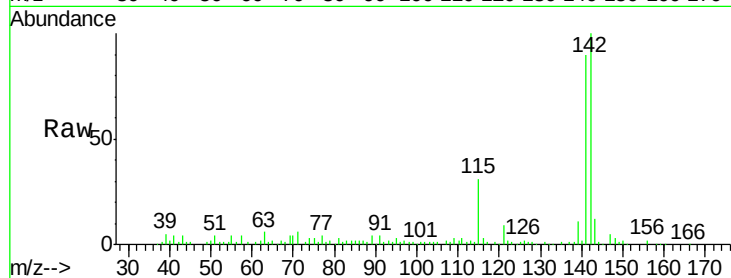
Tgt Ion:142 Resp: 86828

Ion Ratio Lower Upper

142 100

141 90.3 71.0 106.6

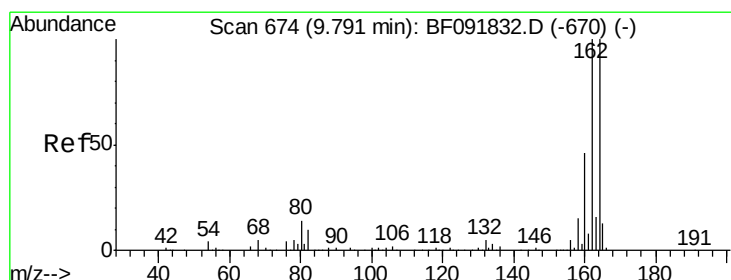
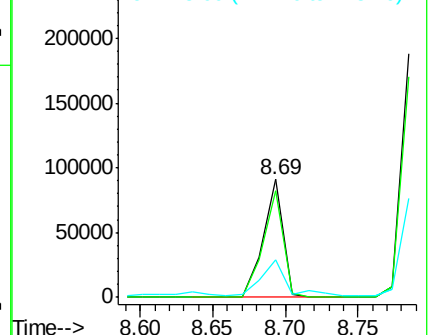
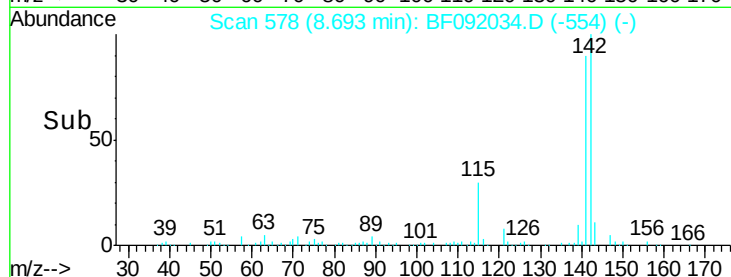
115 31.4 28.3 42.5



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: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

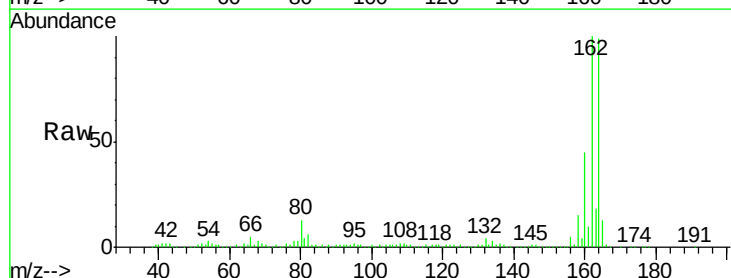
Tgt Ion:164 Resp: 331129

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

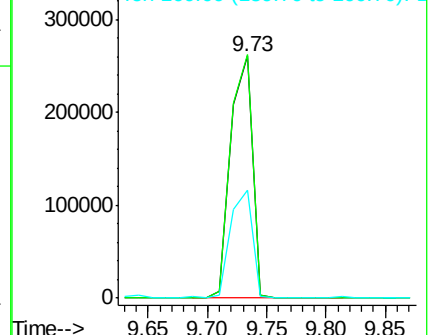
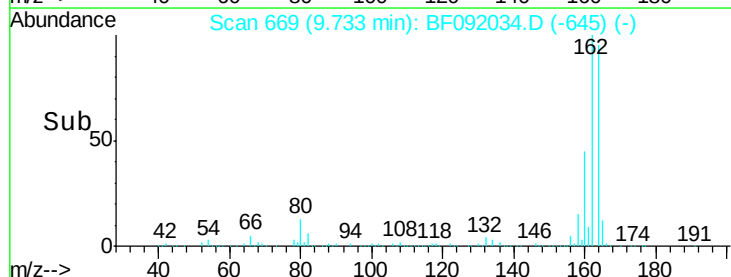
160 44.9 36.9 55.3

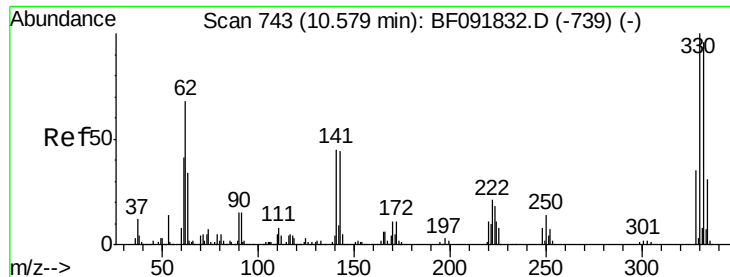


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

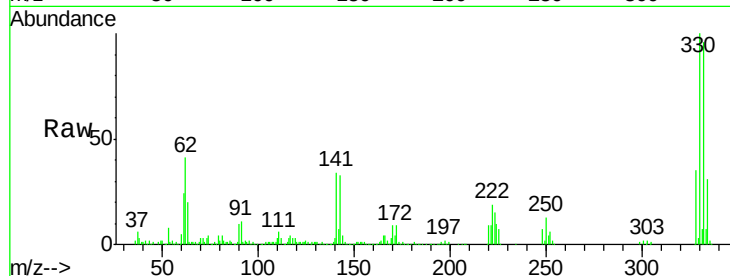




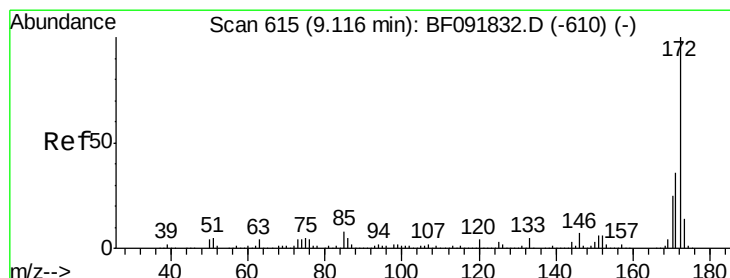
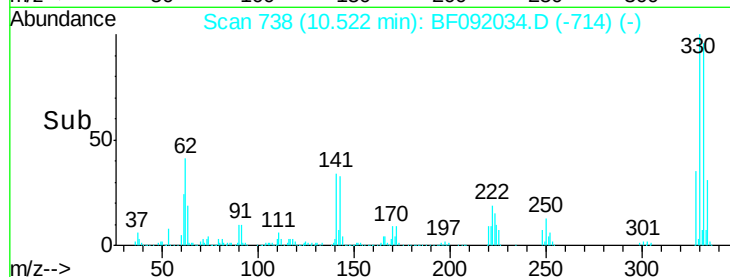
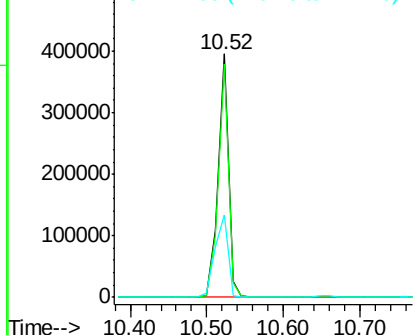
#41
 2,4,6-Tribromophenol
 Concen: 135.72 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.02 min
 Lab File: BF092034.D
 Acq: 29 Dec 2016 19:57

Instrument :
 BNA_F
 ClientSampleId :
 MW-11

Tgt Ion:330 Resp: 371924
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.4 116.2
 141 41.1 34.1 51.1

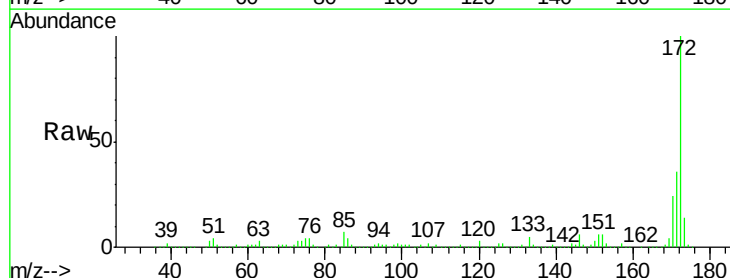


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

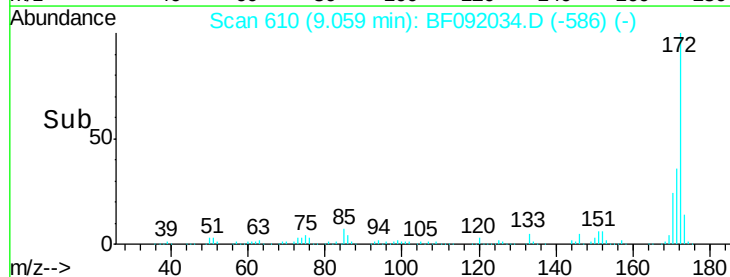
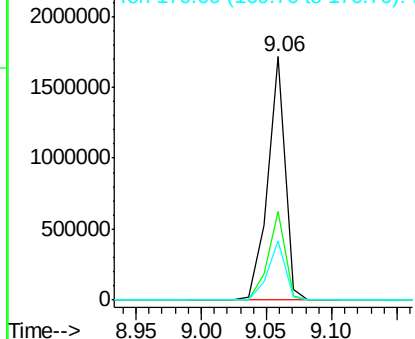


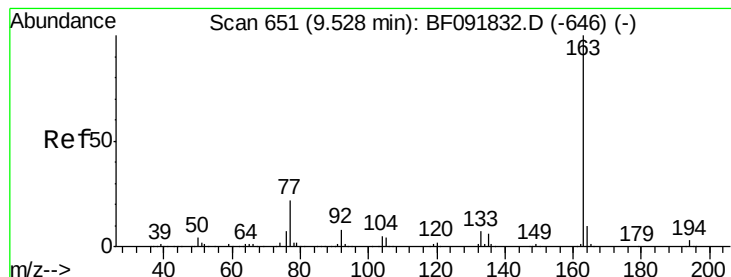
#44
 2-Fluorobiphenyl
 Concen: 101.88 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF092034.D
 Acq: 29 Dec 2016 19:57

Tgt Ion:172 Resp: 1605033
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.2 20.2 30.4



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





#49

Dimethylphthalate

Concen: 6.10 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.03 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

MW-11

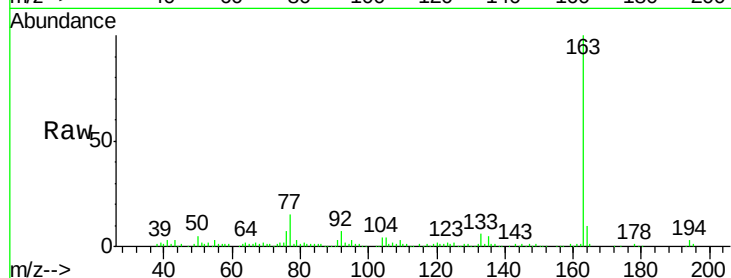
Tgt Ion:163 Resp: 129153

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

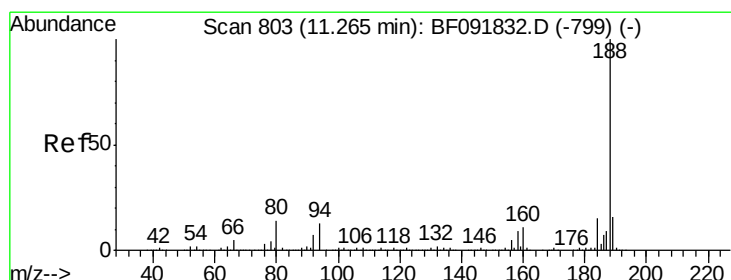
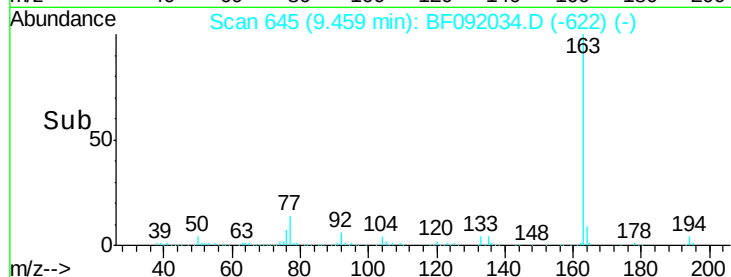
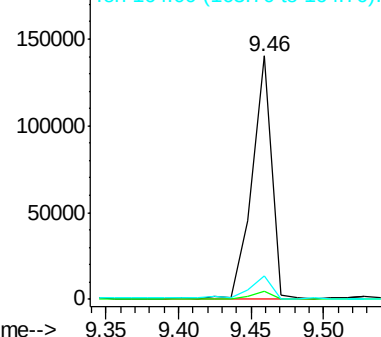
164 9.9 8.0 12.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

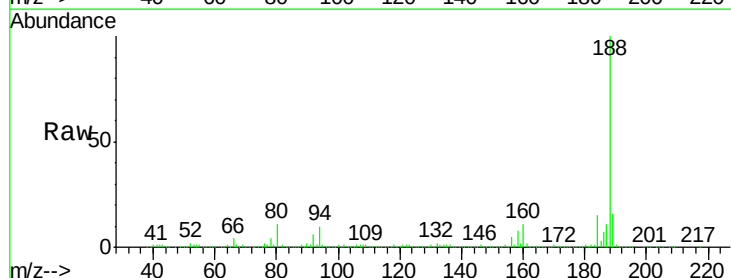
Tgt Ion:188 Resp: 554138

Ion Ratio Lower Upper

188 100

94 10.3 10.0 15.0

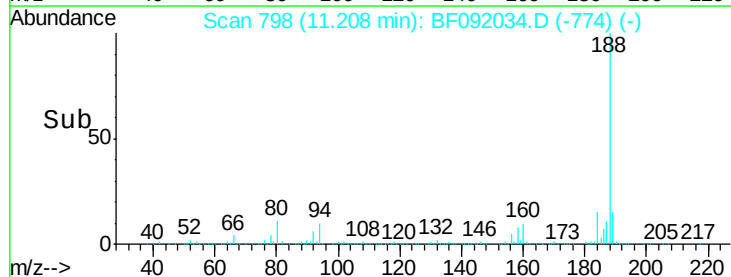
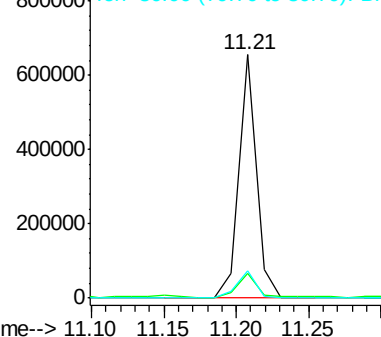
80 11.1 11.2 16.8#

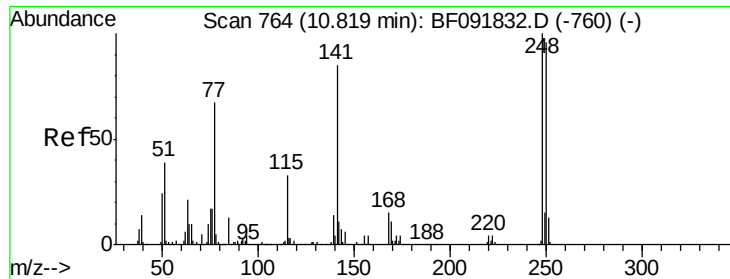


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.47 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.26 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

MW-11

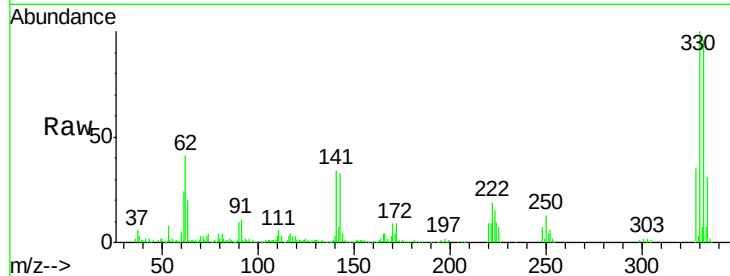
Tgt Ion:248 Resp: 25767

Ion Ratio Lower Upper

248 100

250 192.8 76.9 115.3#

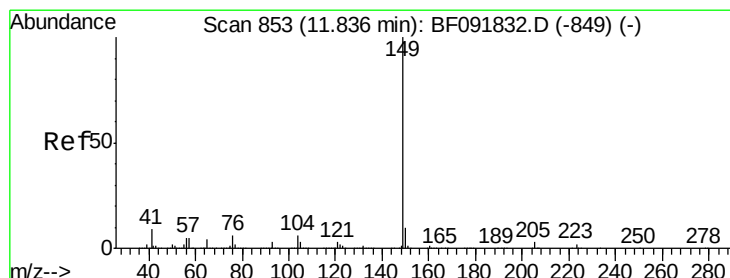
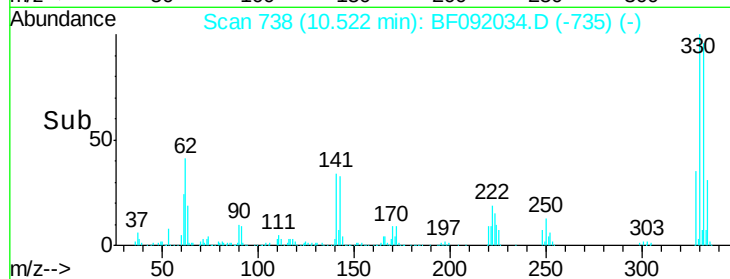
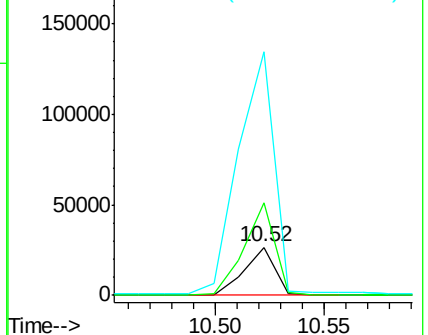
141 508.7 68.2 102.4#



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.78 min Scan# 848

Delta R.T. -0.02 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

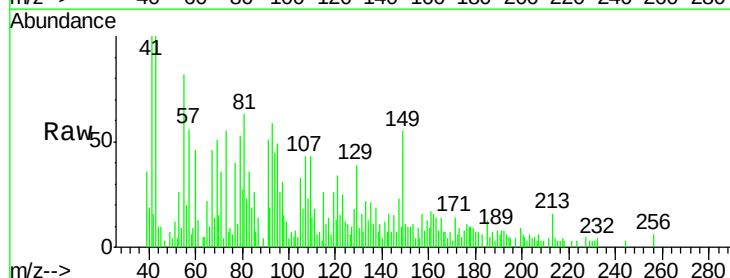
Tgt Ion:149 Resp: 8321

Ion Ratio Lower Upper

149 100

150 19.4 8.1 12.1#

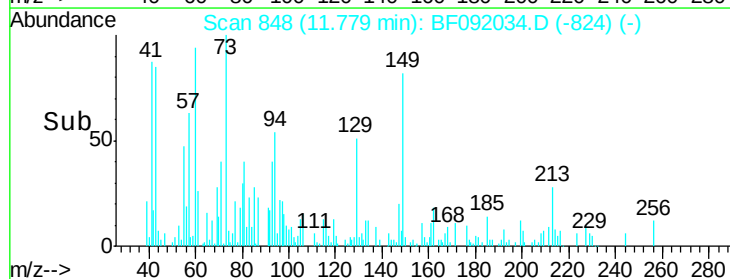
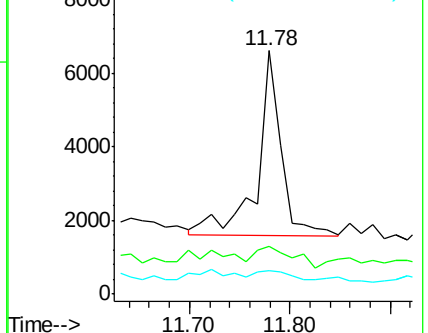
104 9.4 4.6 7.0#

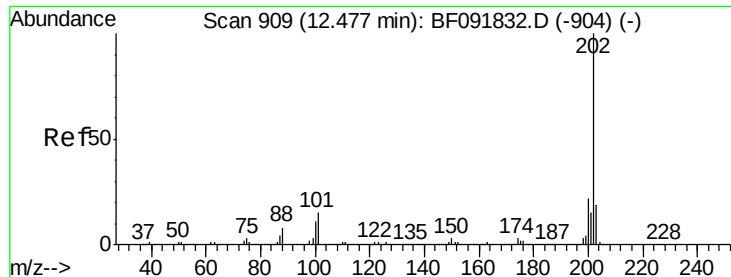


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.42 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

MW-11

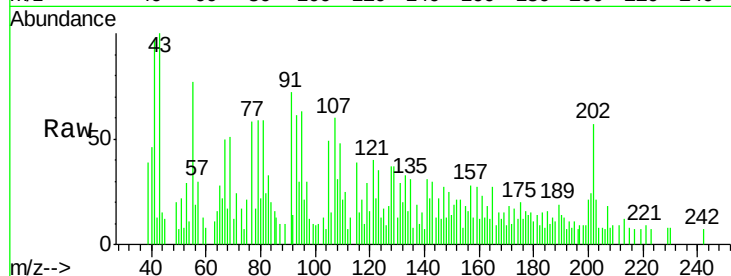
Tgt Ion:202 Resp: 2659

Ion Ratio Lower Upper

202 100

101 18.3 0.0 34.6

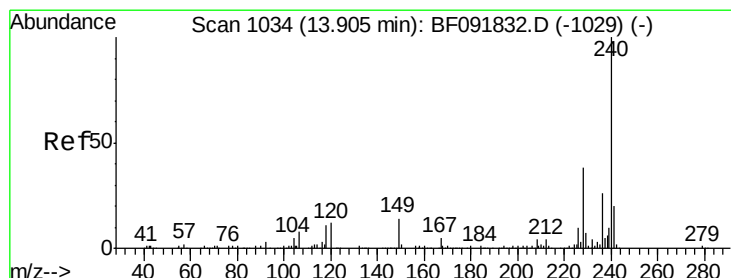
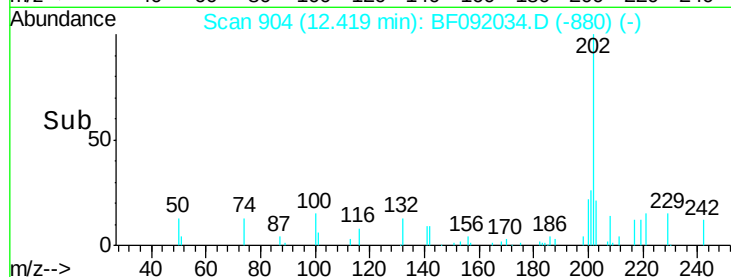
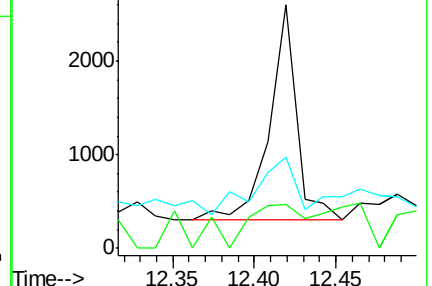
203 37.3 0.0 38.7



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: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF092034.D

Acq: 29 Dec 2016 19:57

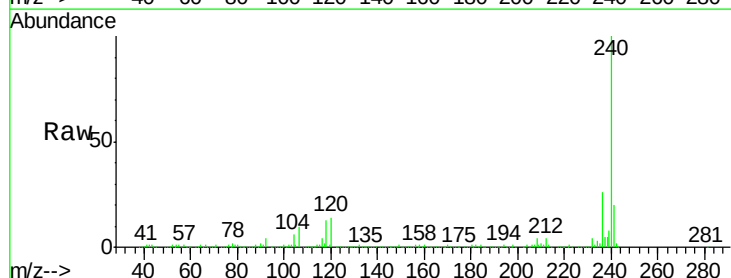
Tgt Ion:240 Resp: 467903

Ion Ratio Lower Upper

240 100

120 14.0 12.9 19.3

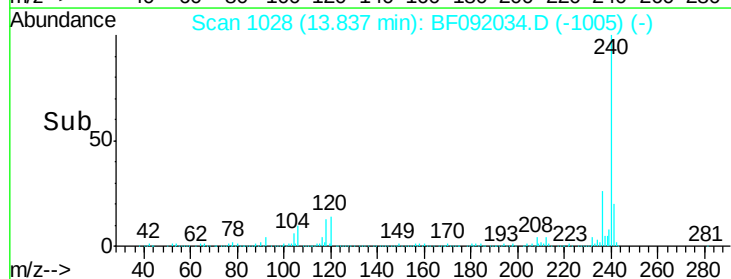
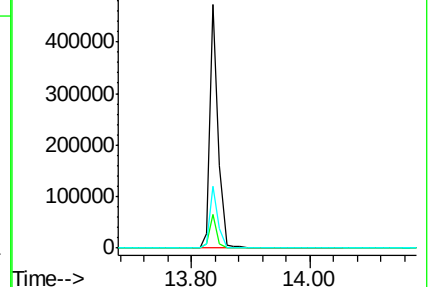
236 25.6 20.9 31.3

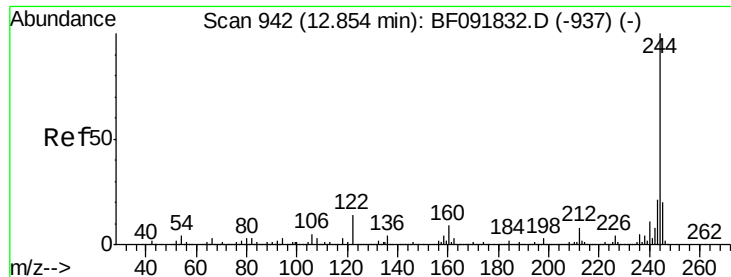


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

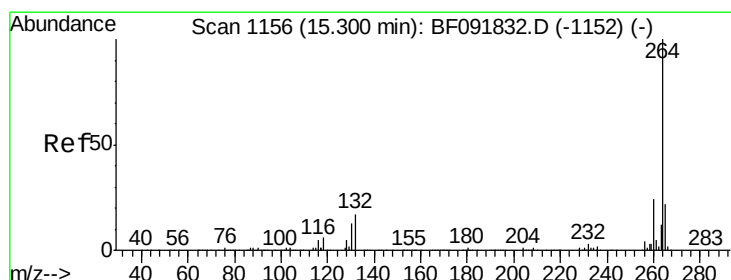
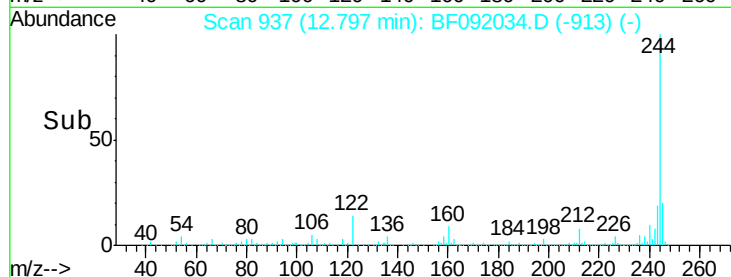
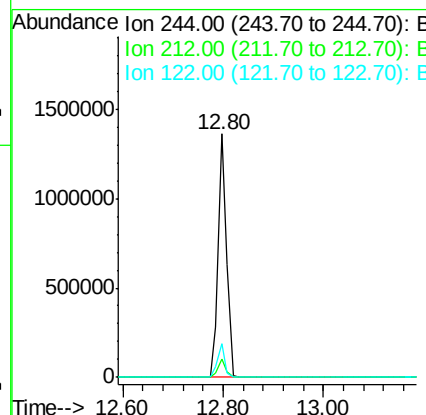
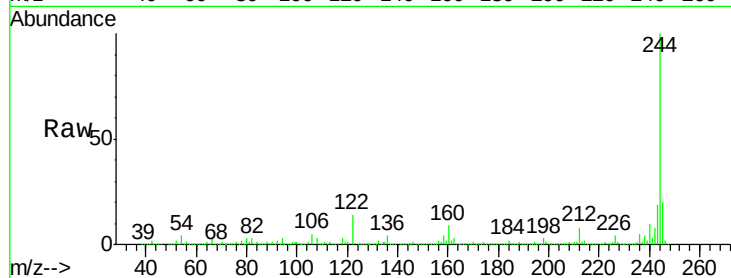




#78
 Terphenyl-d14
 Concen: 82.41 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: BF092034.D
 Acq: 29 Dec 2016 19:57

Instrument :
 BNA_F
 ClientSampleId :
 MW-11

Tgt Ion:244 Resp: 1589917
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 14.1 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1149
 Delta R.T. -0.03 min
 Lab File: BF092034.D
 Acq: 29 Dec 2016 19:57

Tgt Ion:264 Resp: 369224
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 22.0 17.4 26.0

