

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092163.D
 Acq On : 10 Jan 2017 2:51
 Operator : UM/SJ
 Sample : I1055-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-12

Quant Time: Jan 10 03:35:54 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	132120	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	486898	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	221697	20.00	ng	0.00
63) Phenanthrene-d10	11.17	188	348418	20.00	ng	0.01
75) Chrysene-d12	13.80	240	203775	20.00	ng	0.01
86) Perylene-d12	15.17	264	158406	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	554980	70.14	ng	0.01
7) Phenol-d6	6.32	99	439150	45.46	ng	0.01
23) Nitrobenzene-d5	7.21	82	709078	80.98	ng	0.00
41) 2,4,6-Tribromophenol	10.48	330	249780	136.14	ng	0.01
44) 2-Fluorobiphenyl	9.01	172	1184531	113.85	ng	0.00
78) Terphenyl-d14	12.76	244	1012314	120.48	ng	0.01

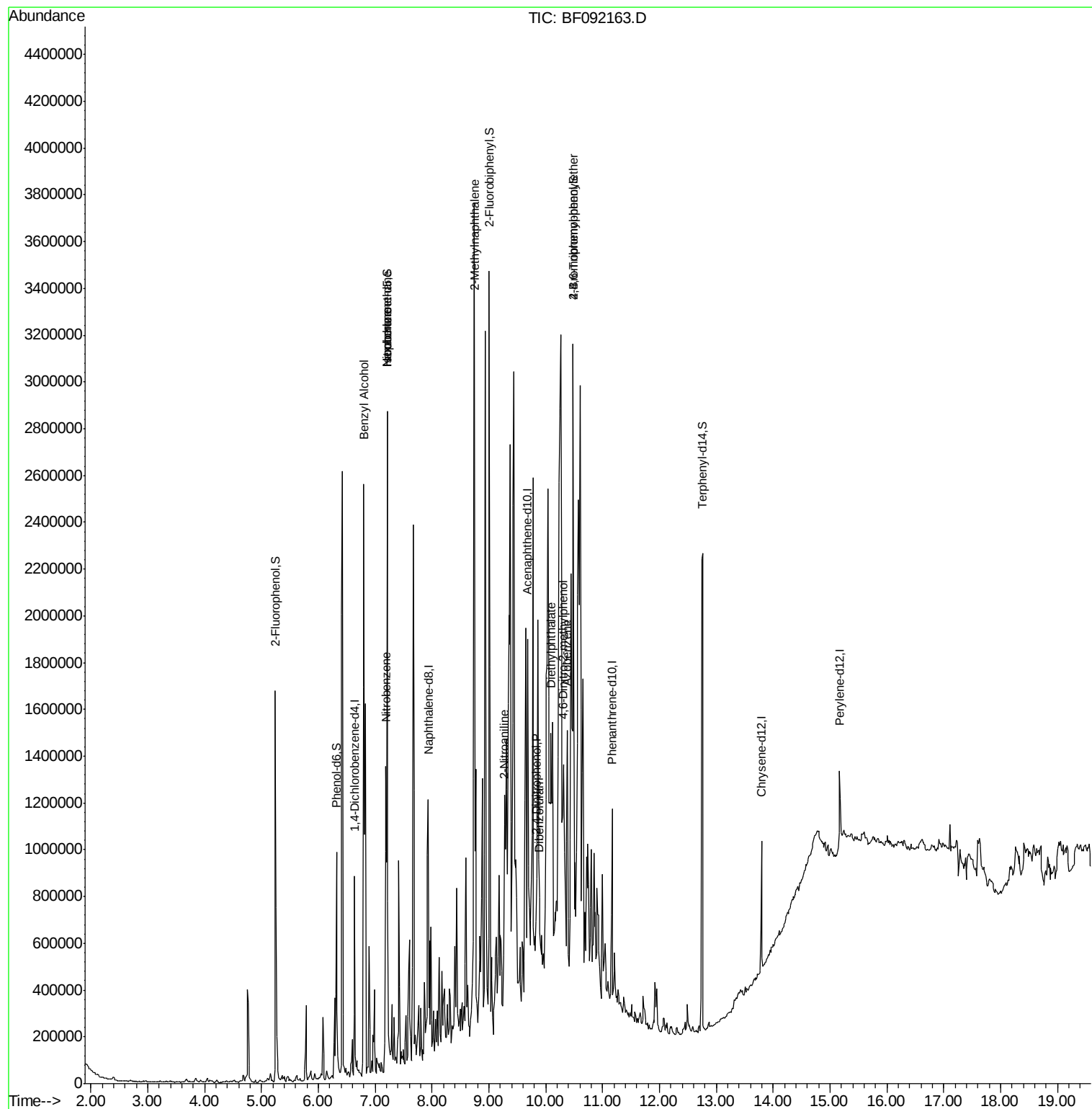
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.80	79	18197	2.42	ng	# 18
18) Hexachloroethane	7.21	117	434739	119.90	ng	# 2
24) Nitrobenzene	7.19	77	71767	7.70	ng	# 25
25) Isophorone	7.21	82	511285	31.65	ng	# 65
37) 2-Methylnaphthalene	8.74	142	719604	61.15	ng	# 95
47) 2-Nitroaniline	9.27	65	11984	2.80	ng	# 37
53) 2,4-Dinitrophenol	9.84	184	8768	5.08	ng	# 1
54) Dibenzofuran	9.89	168	34220	2.02	ng	# 89
59) Diethylphthalate	10.09	149	294746	21.40	ng	# 53
62) Azobenzene	10.38	77	43807	2.89	ng	# 53
64) 4,6-Dinitro-2-methylphenol	10.31	198	4999	2.37	ng	# 1
66) 4-Bromophenyl-phenylether	10.48	248	16696	4.61	ng	# 1
71) Anthracene	11.24	178	833	Below Cal		# 1
73) Di-n-butylphthalate	11.74	149	5014	Below Cal		# 51
74) Fluoranthene	12.37	202	1092	Below Cal		# 14
76) Benzydine	12.47	184	1516	Below Cal		# 1

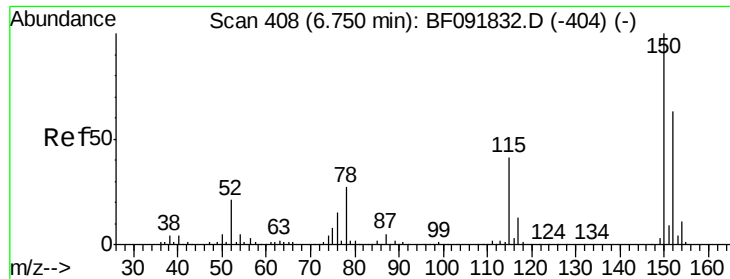
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092163.D
Acq On : 10 Jan 2017 2:51
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-12

Quant Time: Jan 10 03:35:54 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampled :

W-12

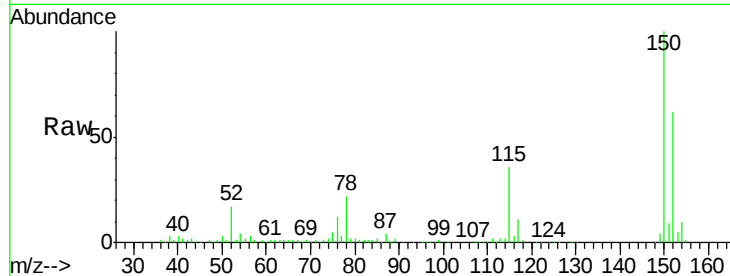
Tgt Ion:152 Resp: 132120

Ion Ratio Lower Upper

152 100

150 160.4 124.9 187.3

115 58.2 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

300000

250000

200000

150000

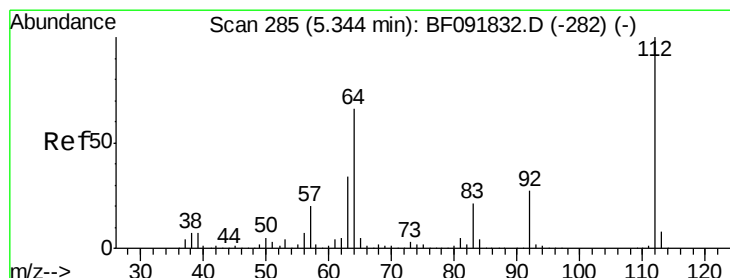
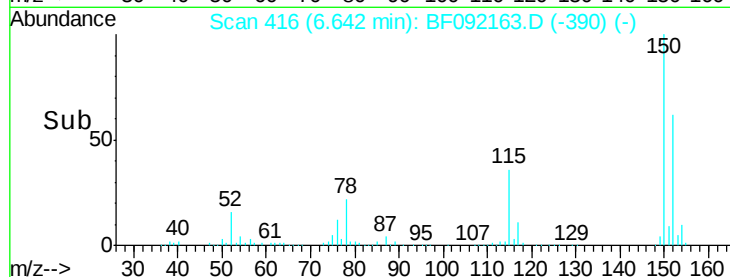
100000

50000

0

6.60 6.65 6.70

Time-->



#5

2-Fluorophenol

Concen: 70.14 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

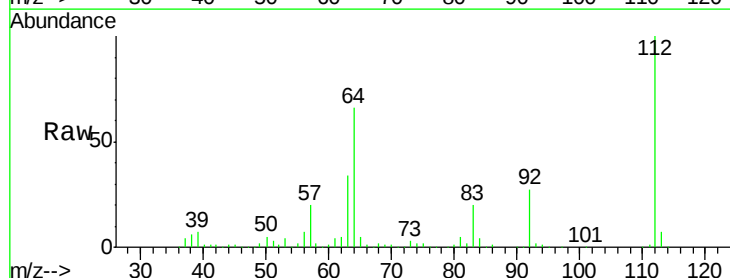
Tgt Ion:112 Resp: 554980

Ion Ratio Lower Upper

112 100

64 66.4 46.1 69.1

63 33.9 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

600000

500000

400000

300000

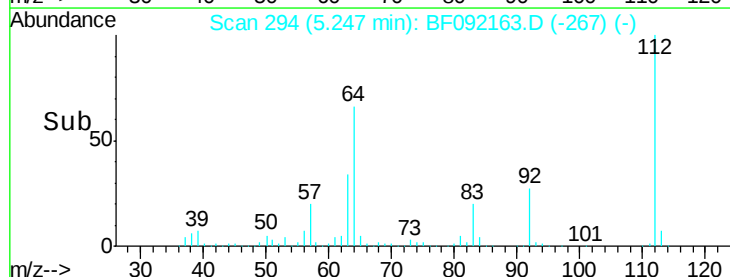
200000

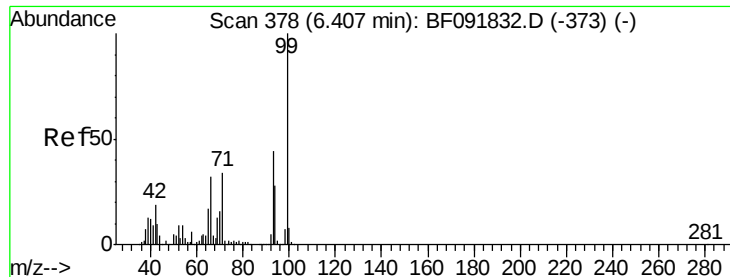
100000

0

5.20 5.30 5.40

Time-->





#7

Phenol-d6

Concen: 45.46 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampleId :

W-12

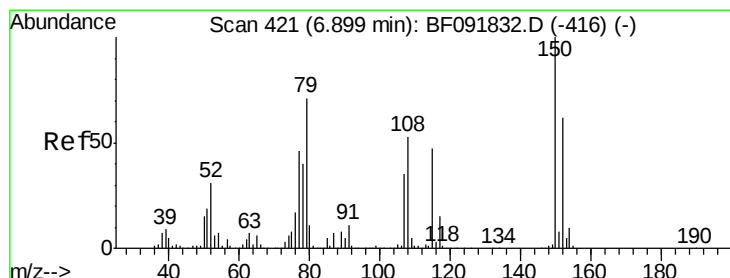
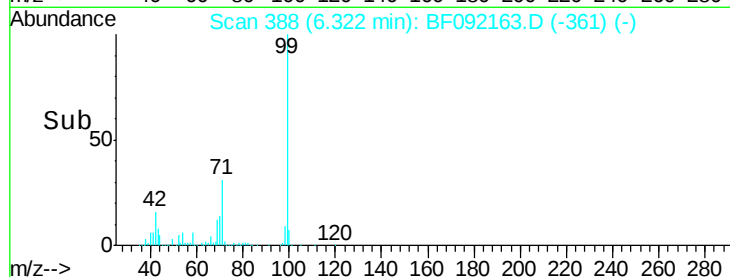
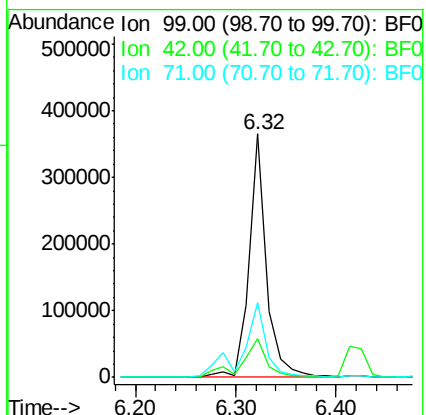
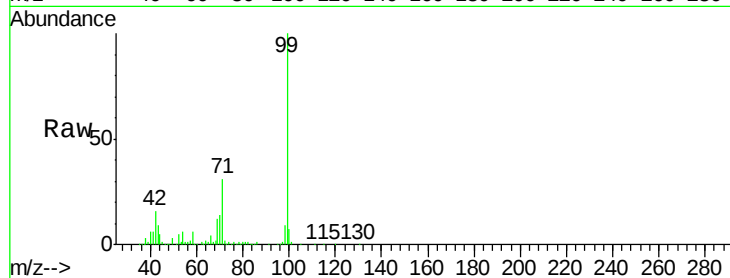
Tgt Ion: 99 Resp: 439150

Ion Ratio Lower Upper

99 100

42 15.8 15.6 23.4

71 30.9 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.42 ng

RT: 6.80 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

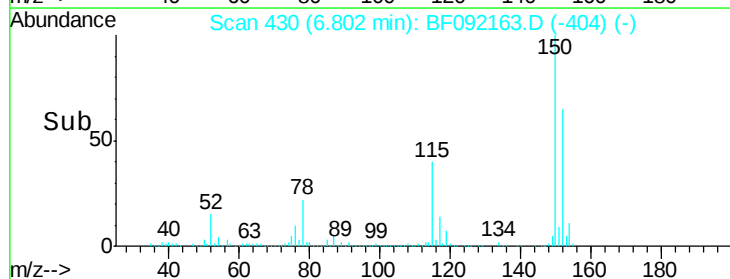
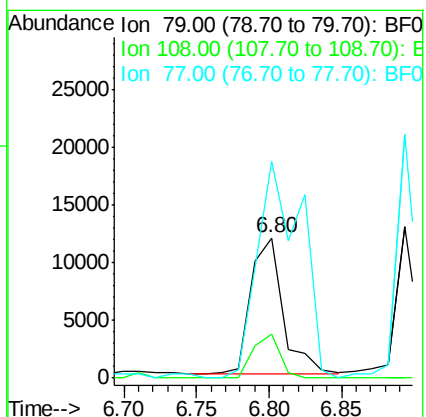
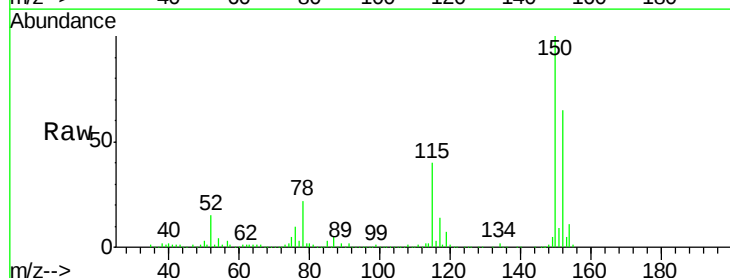
Tgt Ion: 79 Resp: 18197

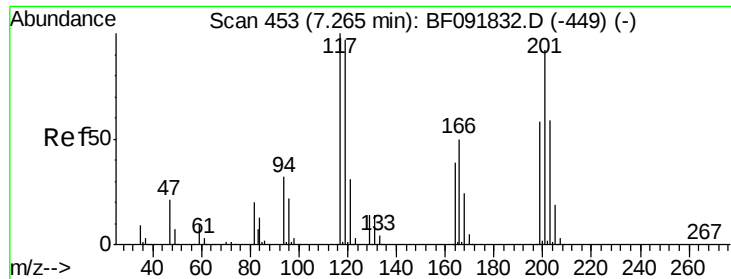
Ion Ratio Lower Upper

79 100

108 31.0 61.4 92.0#

77 154.9 50.9 76.3#





#18

Hexachloroethane

Concen: 119.90 ng

RT: 7.21 min Scan# 466

Delta R.T. 0.06 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampleId :

W-12

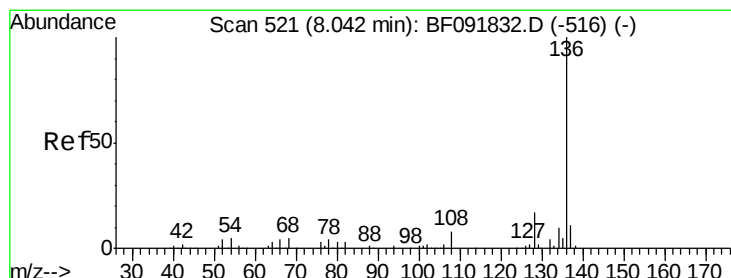
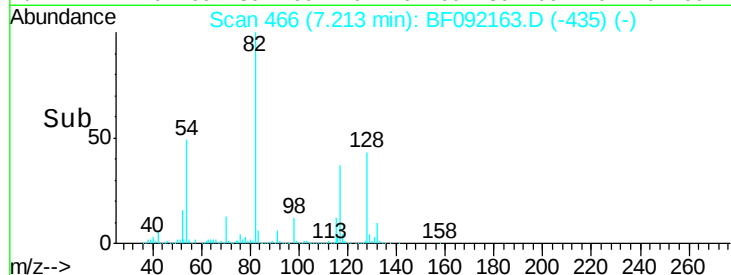
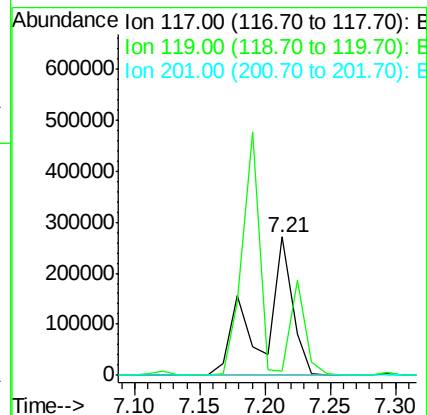
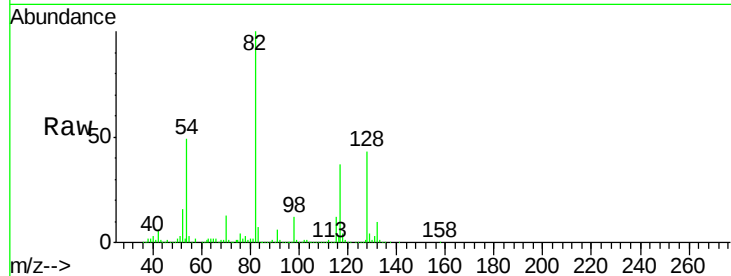
Tgt Ion:117 Resp: 434739

Ion Ratio Lower Upper

117 100

119 2.7 78.1 117.1#

201 0.0 78.6 117.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Tgt Ion:136 Resp: 486898

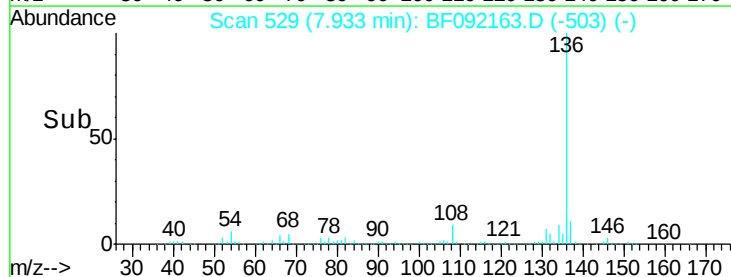
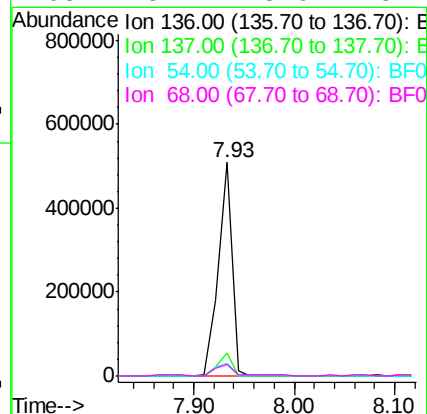
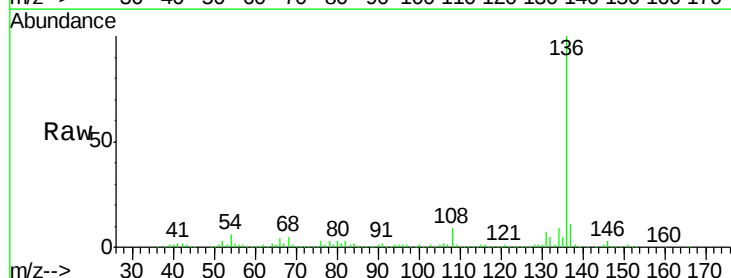
Ion Ratio Lower Upper

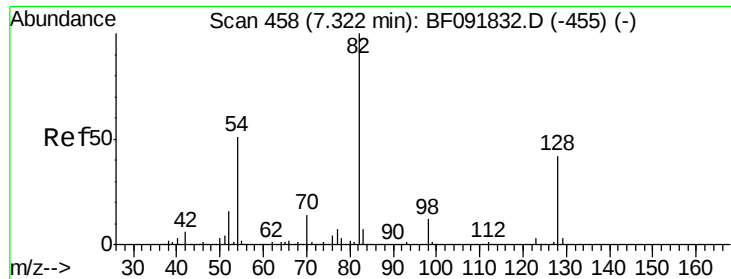
136 100

137 10.8 8.4 12.6

54 6.2 4.5 6.7

68 5.2 3.6 5.4

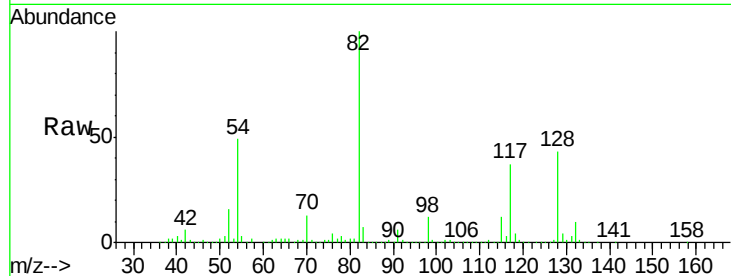




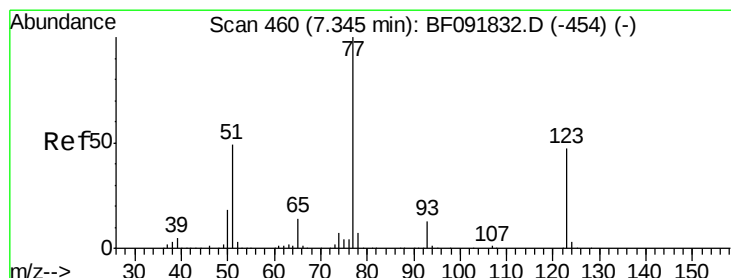
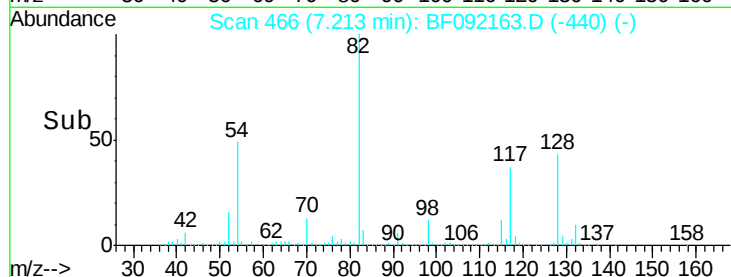
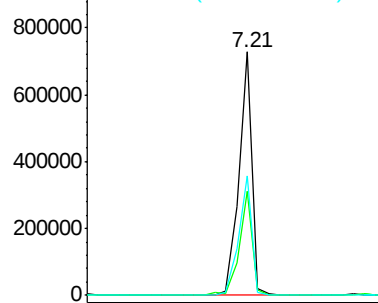
#23
Nitrobenzene-d5
Concen: 80.98 ng
RT: 7.21 min Scan# 466
Delta R.T. 0.00 min
Lab File: BF092163.D
Acq: 10 Jan 2017 2:51

Instrument :
BNA_F
ClientSampleId :
W-12

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.6	52.0
54	49.3	39.5	59.3

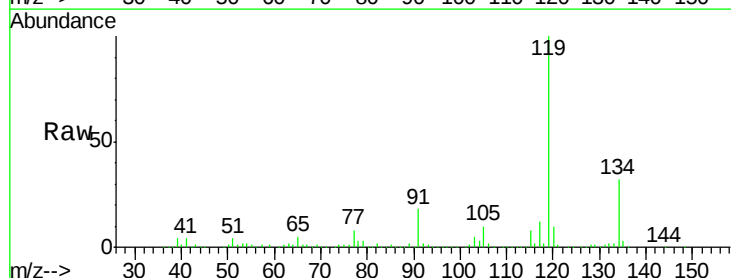


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

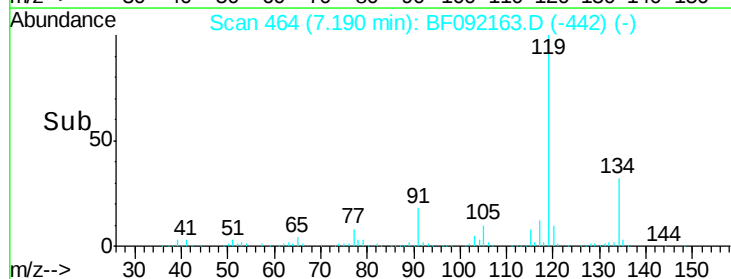
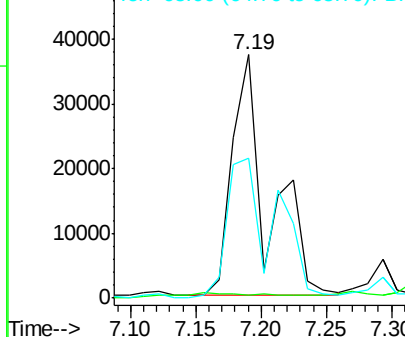


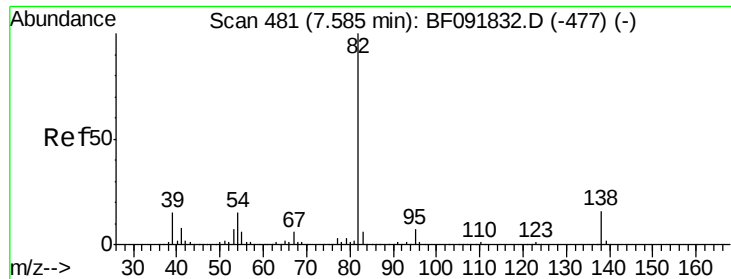
#24
Nitrobenzene
Concen: 7.70 ng
RT: 7.19 min Scan# 464
Delta R.T. -0.05 min
Lab File: BF092163.D
Acq: 10 Jan 2017 2:51

Tgt Ion	Ratio	Lower	Upper
77	100		
123	1.4	33.0	49.4#
65	57.4	11.2	16.8#



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: 31.65 ng

RT: 7.21 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampled :

W-12

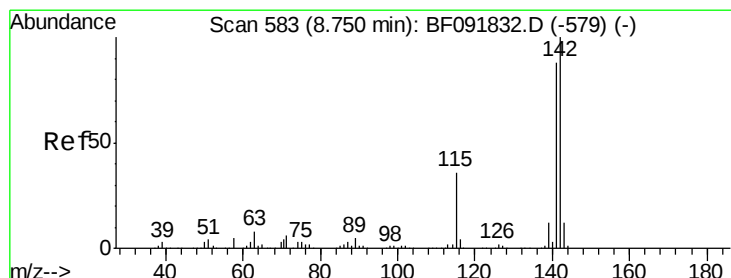
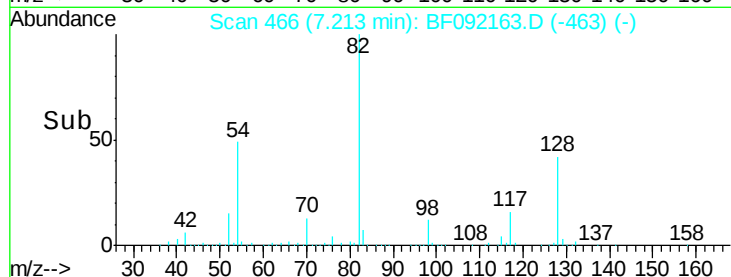
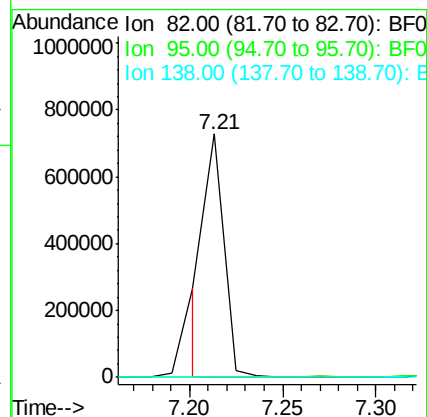
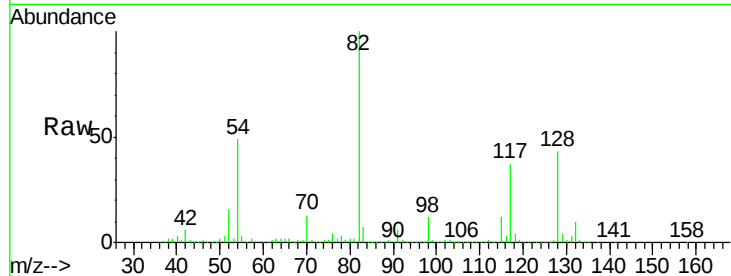
Tgt Ion: 82 Resp: 511285

Ion Ratio Lower Upper

82 100

95 0.3 5.6 8.4#

138 0.0 14.6 22.0#



#37

2-Methylnaphthalene

Concen: 61.15 ng

RT: 8.74 min Scan# 600

Delta R.T. 0.10 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

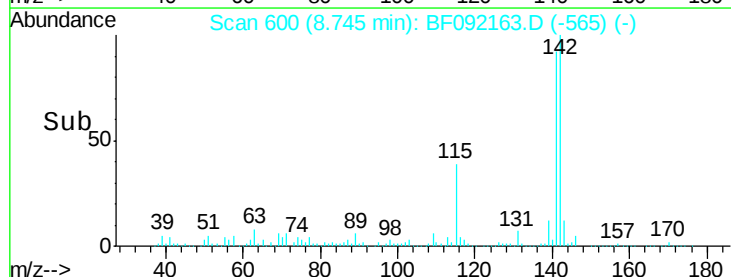
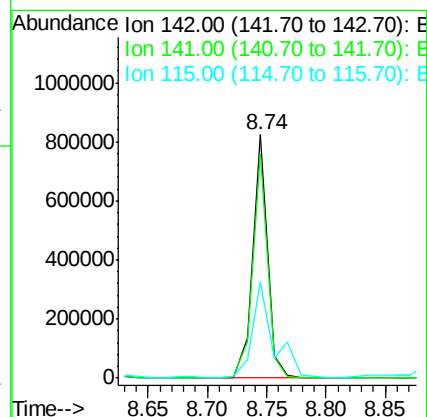
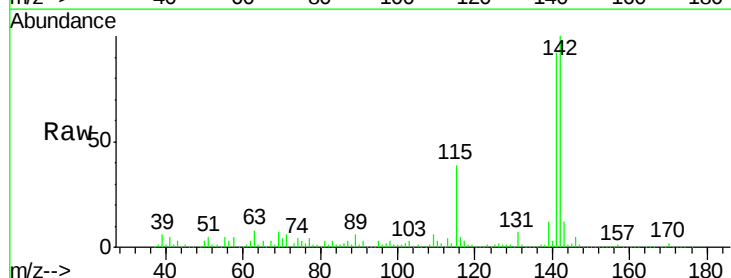
Tgt Ion: 142 Resp: 719604

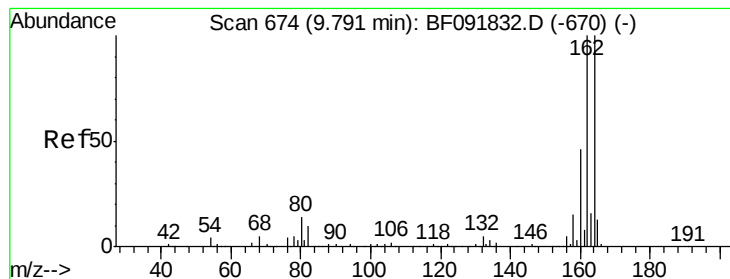
Ion Ratio Lower Upper

142 100

141 92.2 71.0 106.6

115 39.5 28.3 42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampleId :

W-12

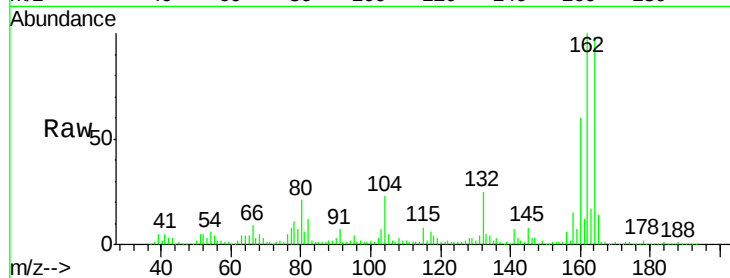
Tgt Ion:164 Resp: 221697

Ion Ratio Lower Upper

164 100

162 102.0 80.2 120.2

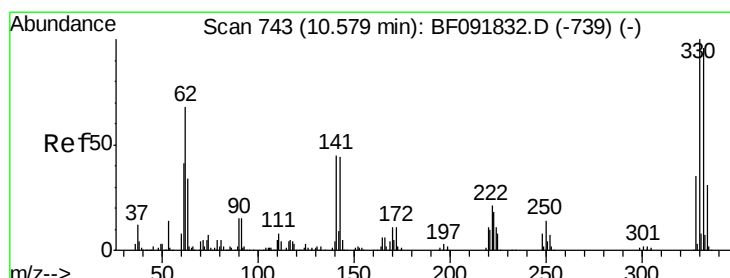
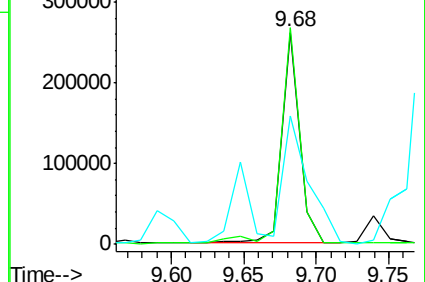
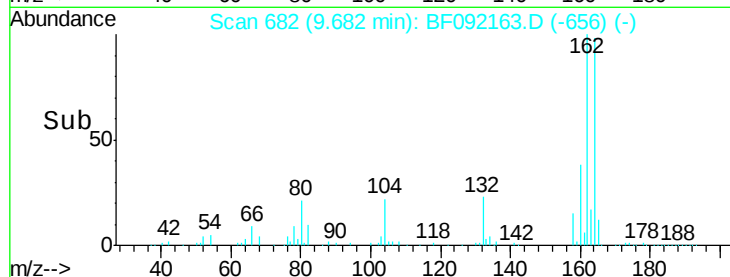
160 60.8 36.9 55.3#



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: 136.14 ng

RT: 10.48 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

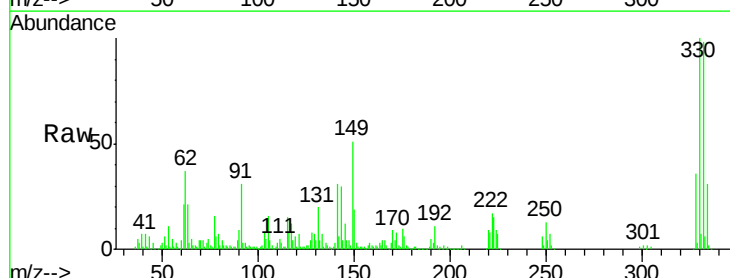
Tgt Ion:330 Resp: 249780

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

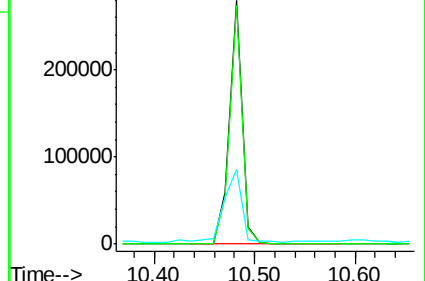
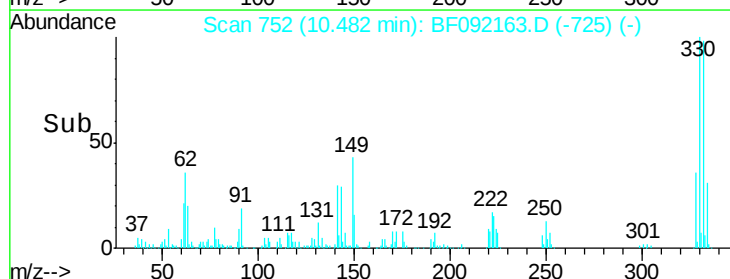
141 41.9 34.1 51.1

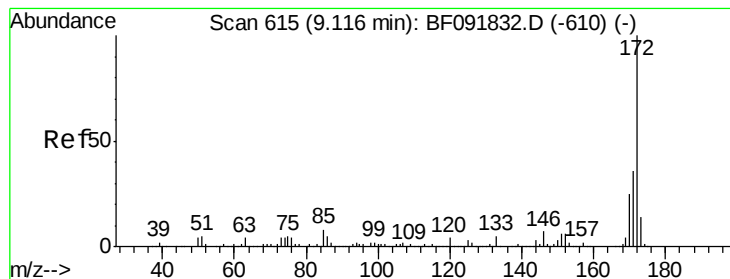


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 113.85 ng

RT: 9.01 min Scan# 623

Delta R.T. 0.00 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampleId :

W-12

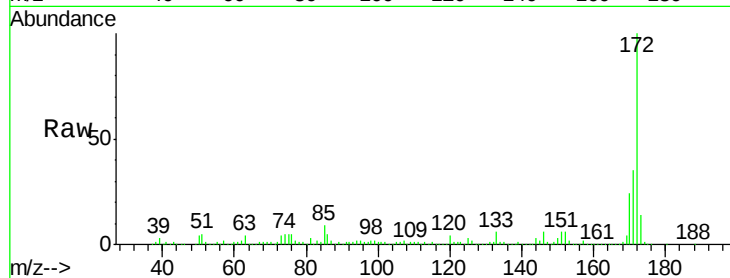
Tgt Ion:172 Resp: 1184531

Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

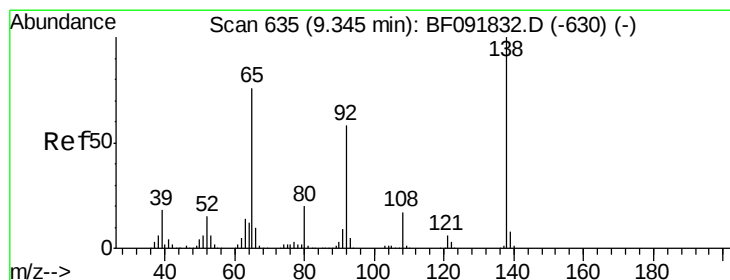
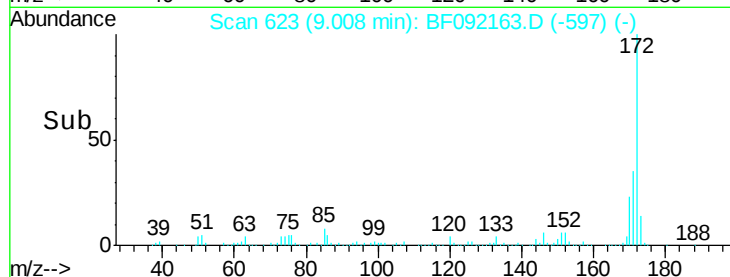
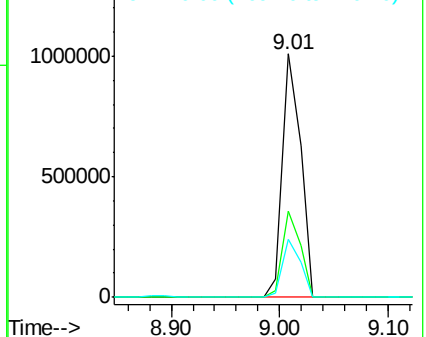
170 23.8 20.2 30.4



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



#47

2-Nitroaniline

Concen: 2.80 ng

RT: 9.27 min Scan# 646

Delta R.T. 0.03 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

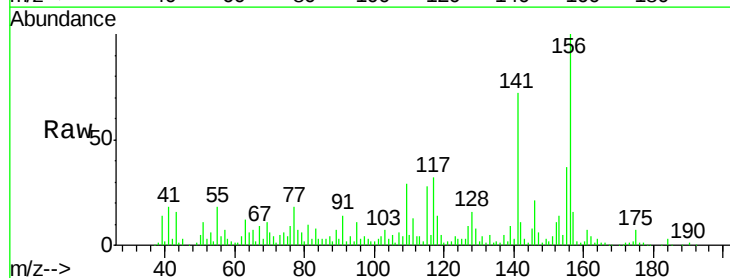
Tgt Ion: 65 Resp: 11984

Ion Ratio Lower Upper

65 100

92 29.7 53.9 80.9#

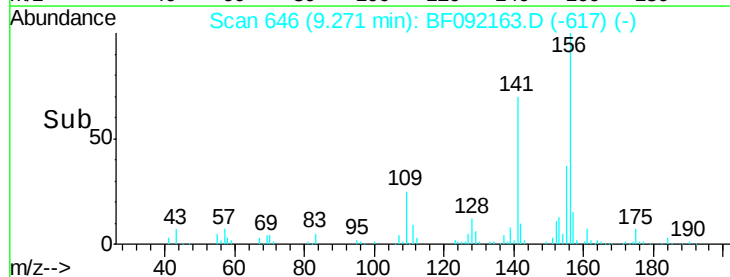
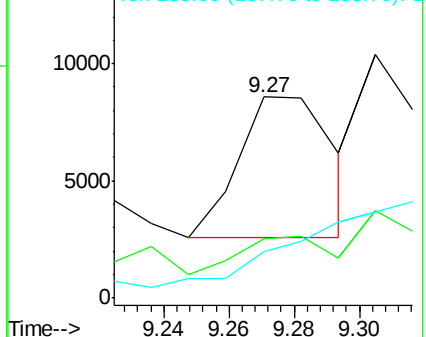
138 23.4 76.8 115.2#

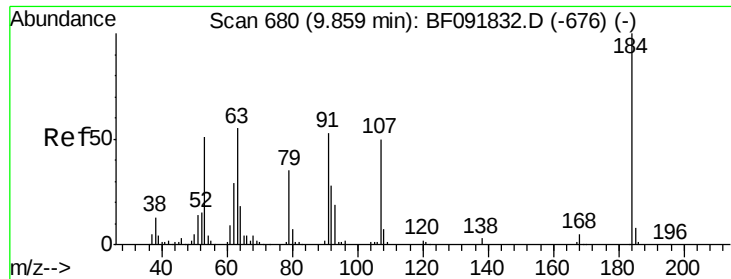


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E

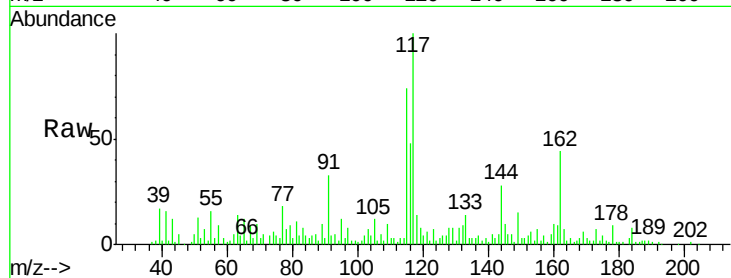




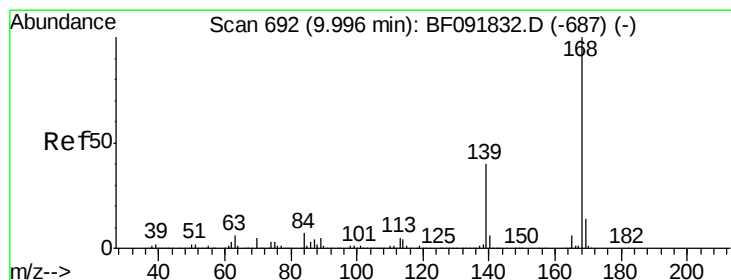
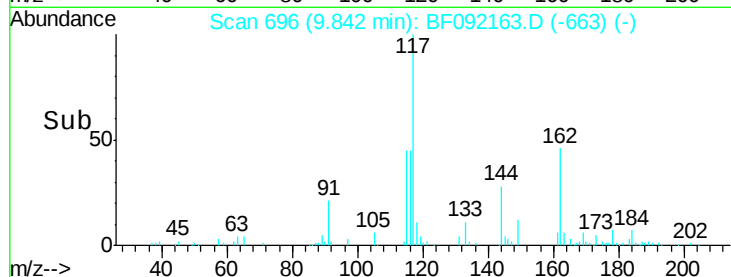
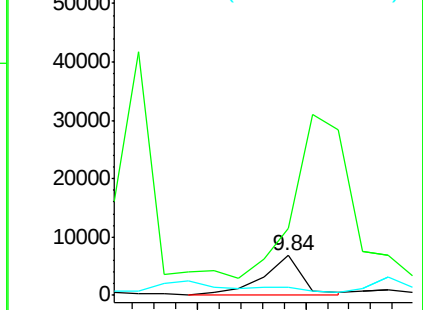
#53
2,4-Dinitrophenol
Concen: 5.08 ng
RT: 9.84 min Scan# 696
Delta R.T. 0.08 min
Lab File: BF092163.D
Acq: 10 Jan 2017 2:51

Instrument :
BNA_F
ClientSampleId :
W-12

Tgt Ion:184 Resp: 8768
Ion Ratio Lower Upper
184 100
63 169.9 28.4 42.6#
154 21.8 44.3 66.5#

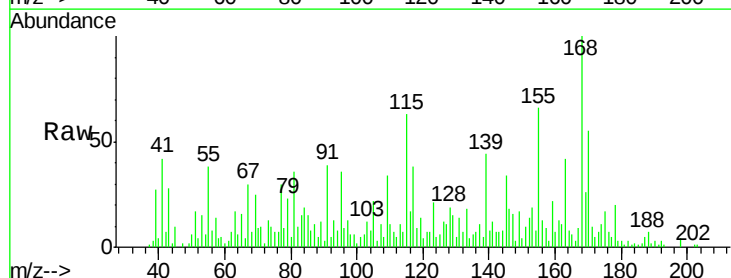


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

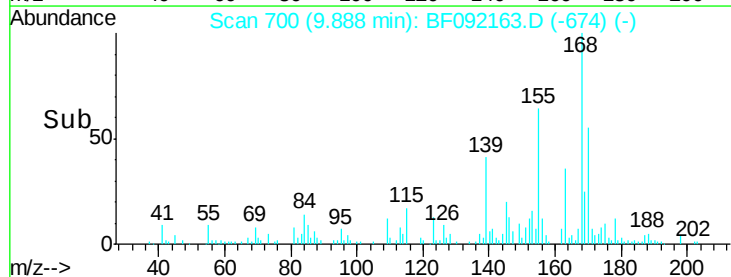
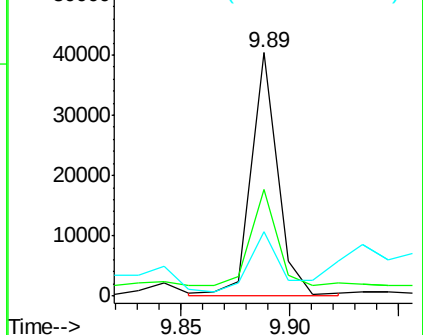


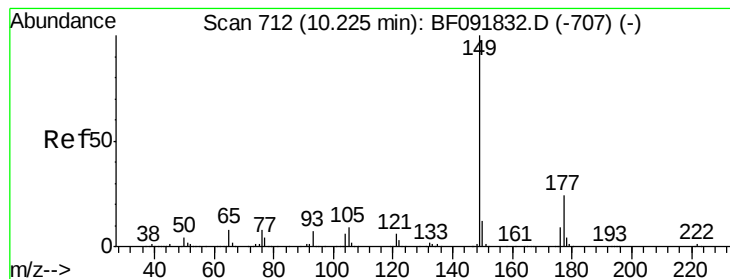
#54
Dibenzofuran
Concen: 2.02 ng
RT: 9.89 min Scan# 700
Delta R.T. 0.00 min
Lab File: BF092163.D
Acq: 10 Jan 2017 2:51

Tgt Ion:168 Resp: 34220
Ion Ratio Lower Upper
168 100
139 44.0 32.6 49.0
169 26.2 11.3 16.9#



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





#59

Diethylphthalate

Concen: 21.40 ng

RT: 10.09 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampled :

W-12

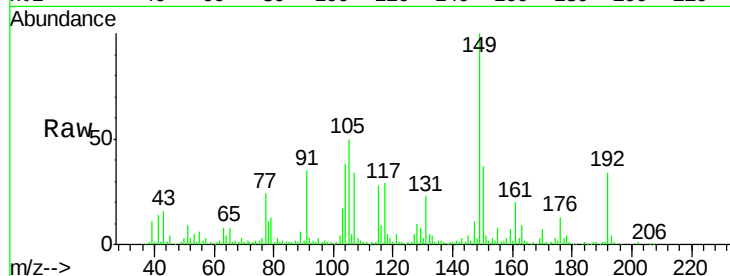
Tgt Ion:149 Resp: 294746

Ion Ratio Lower Upper

149 100

177 2.8 16.6 25.0#

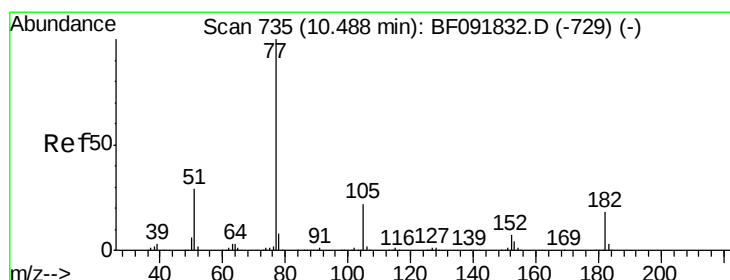
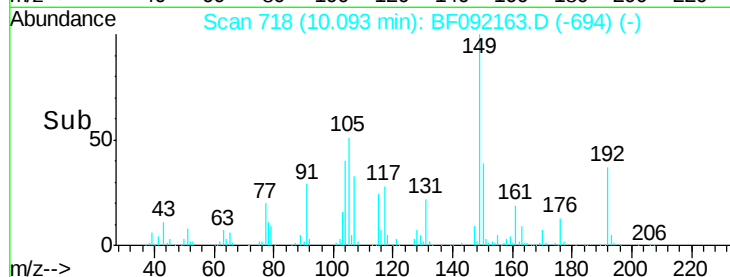
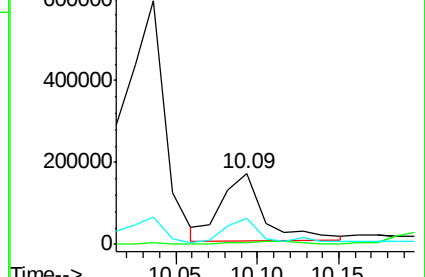
150 36.9 10.4 15.6#



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



#62

Azobenzene

Concen: 2.89 ng

RT: 10.38 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Tgt Ion: 77 Resp: 43807

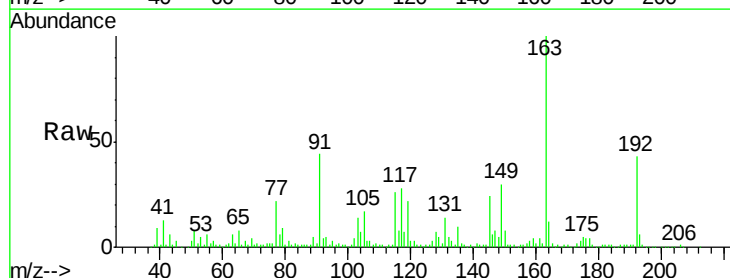
Ion Ratio Lower Upper

77 100

182 5.0 0.0 39.3

105 74.8 2.3 42.3#

51 34.1 8.9 48.9

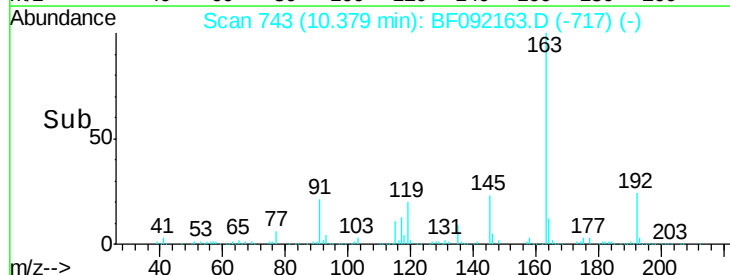
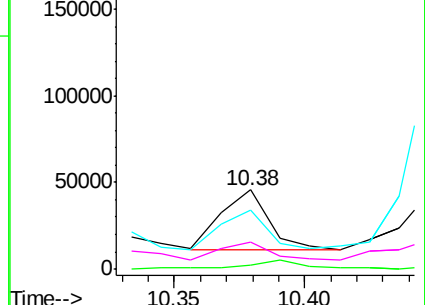


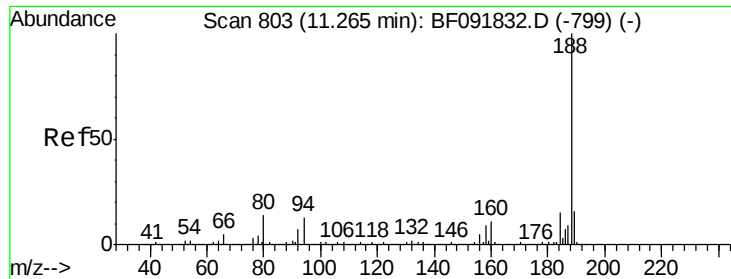
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 812

Delta R.T. 0.01 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampled :

W-12

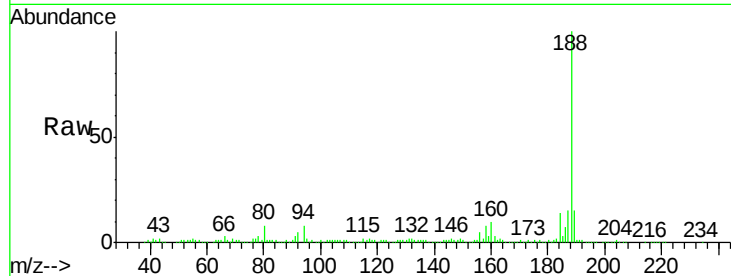
Tgt Ion:188 Resp: 348418

Ion Ratio Lower Upper

188 100

94 7.5 10.0 15.0#

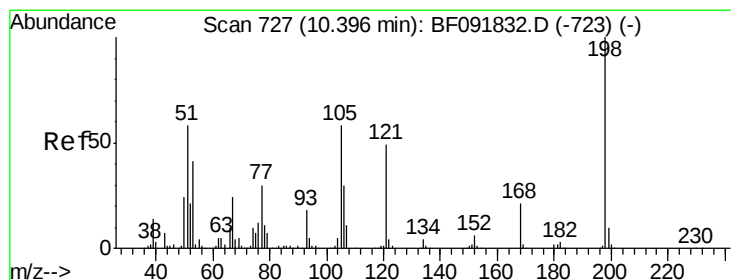
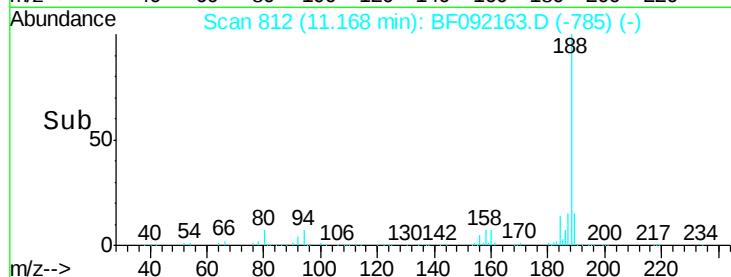
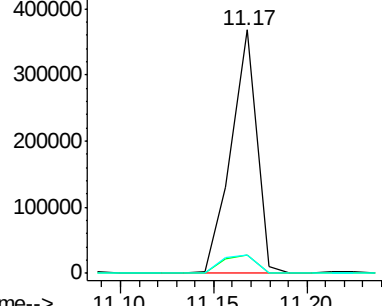
80 7.8 11.2 16.8#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 2.37 ng

RT: 10.31 min Scan# 737

Delta R.T. 0.02 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

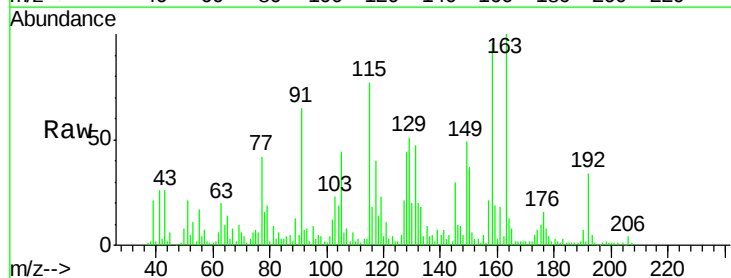
Tgt Ion:198 Resp: 4999

Ion Ratio Lower Upper

198 100

51 875.7 6.7 46.7#

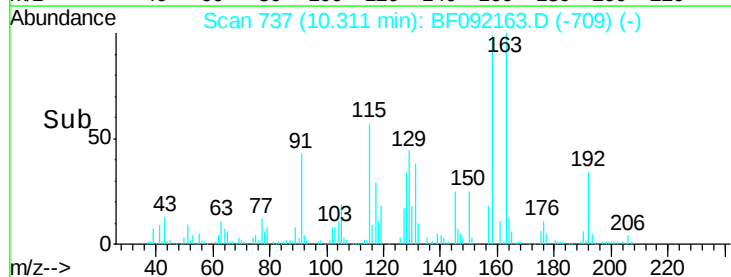
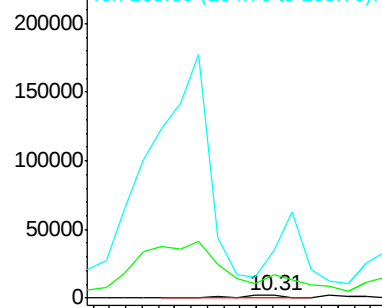
105 1796.8 16.6 56.6#

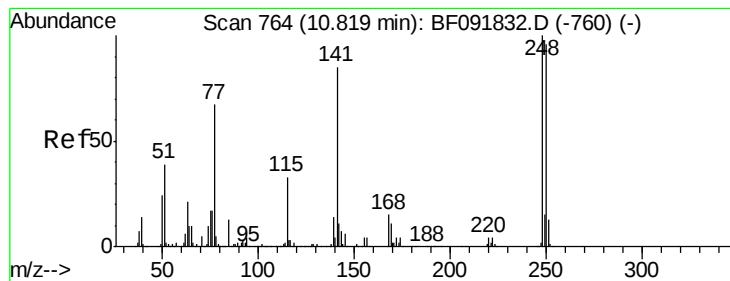


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.61 ng

RT: 10.48 min Scan# 752

Delta R.T. -0.23 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampleId :

W-12

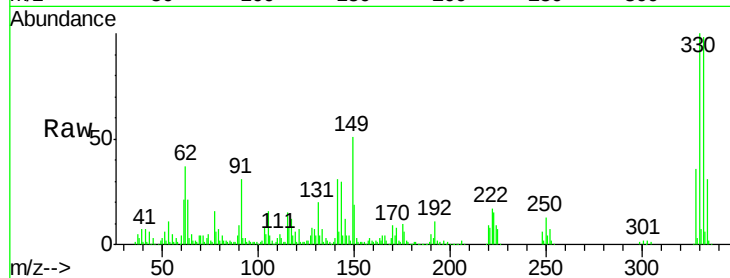
Tgt Ion:248 Resp: 16696

Ion Ratio Lower Upper

248 100

250 197.3 76.9 115.3#

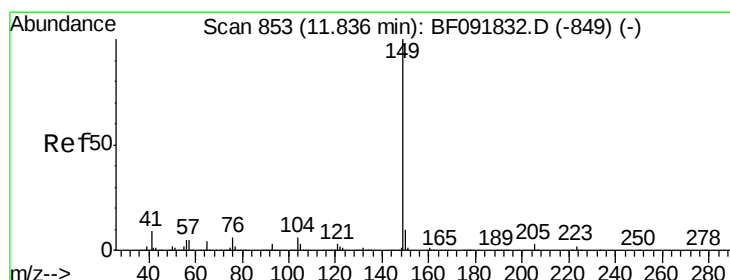
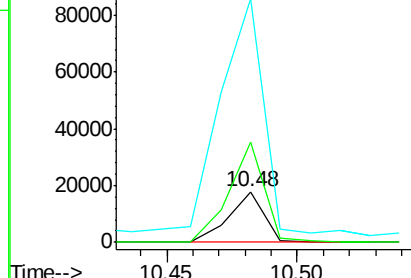
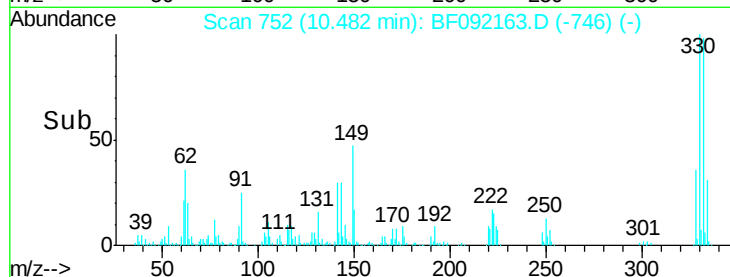
141 480.1 68.2 102.4#



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: 11.74 min Scan# 862

Delta R.T. 0.01 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

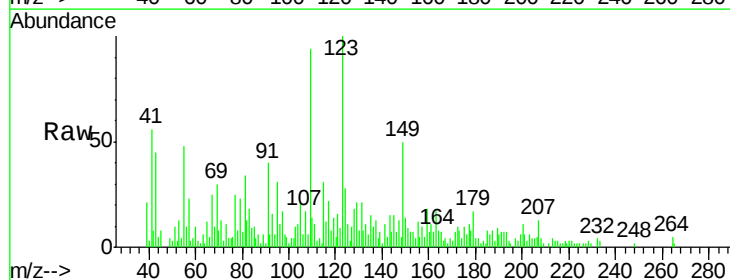
Tgt Ion:149 Resp: 5014

Ion Ratio Lower Upper

149 100

150 28.8 8.1 12.1#

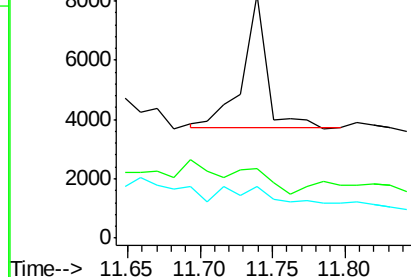
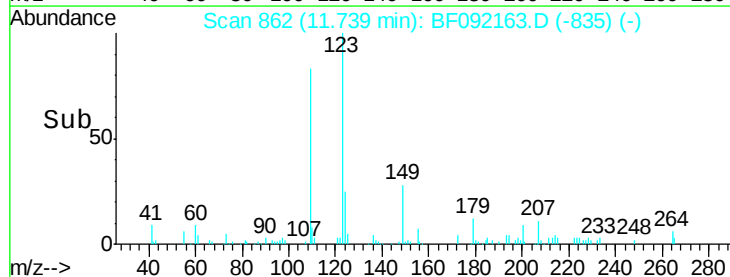
104 21.1 4.6 7.0#

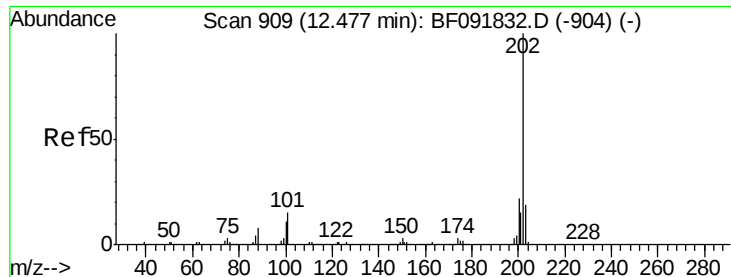


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampleId :

W-12

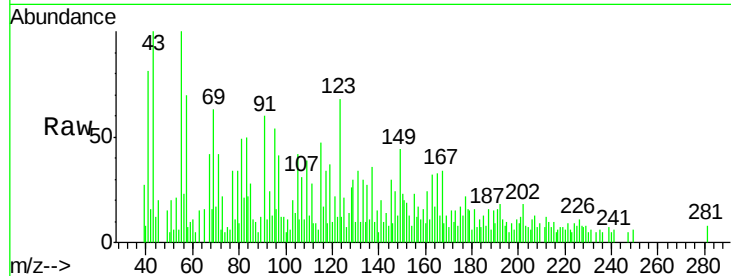
Tgt Ion: 202 Resp: 1092

Ion Ratio Lower Upper

202 100

101 61.2 0.0 34.6#

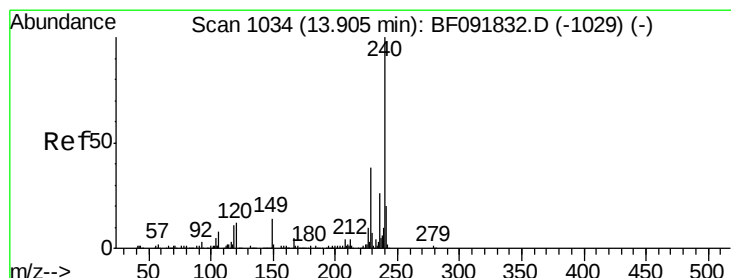
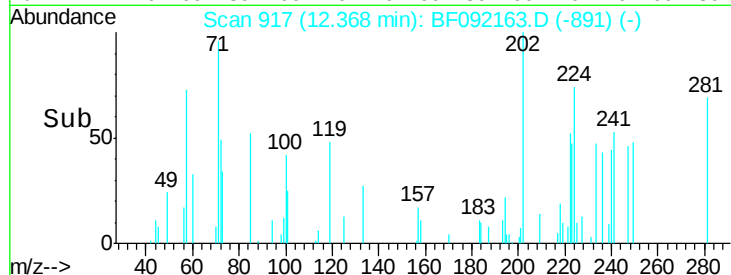
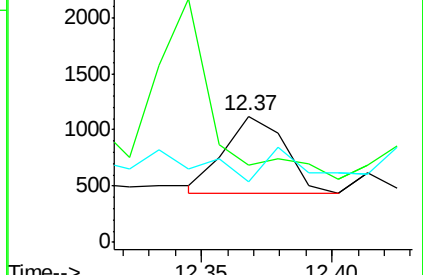
203 47.5 0.0 38.7#



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: 13.80 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

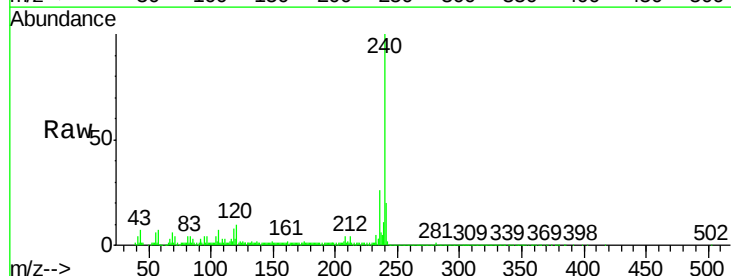
Tgt Ion: 240 Resp: 203775

Ion Ratio Lower Upper

240 100

120 9.9 12.9 19.3#

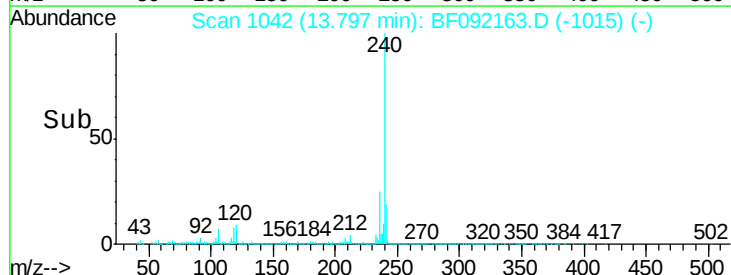
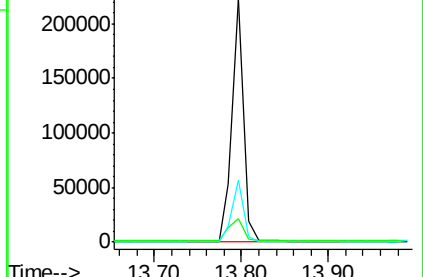
236 25.7 20.9 31.3

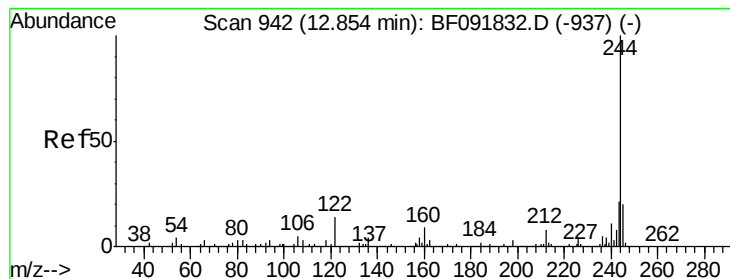


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 120.48 ng

RT: 12.76 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

Instrument :

BNA_F

ClientSampled :

W-12

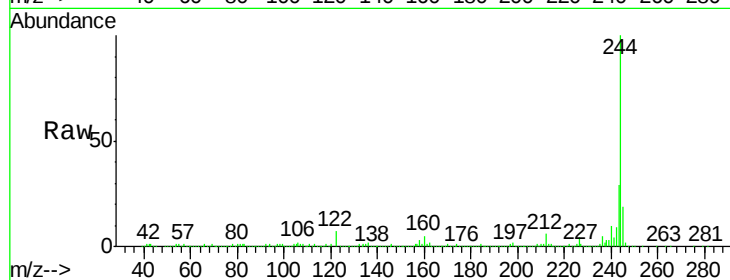
Tgt Ion:244 Resp: 1012314

Ion Ratio Lower Upper

244 100

212 6.5 6.2 9.2

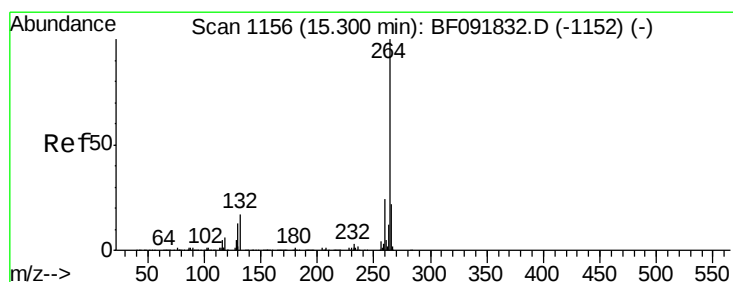
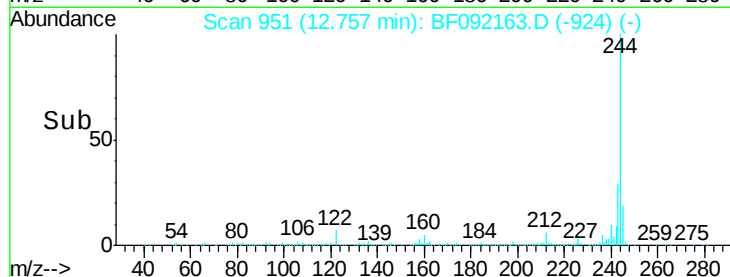
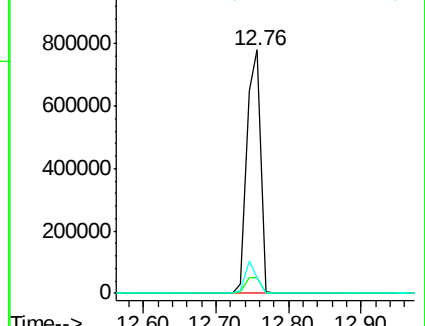
122 6.6 11.4 17.2#



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: 15.17 min Scan# 1162

Delta R.T. 0.02 min

Lab File: BF092163.D

Acq: 10 Jan 2017 2:51

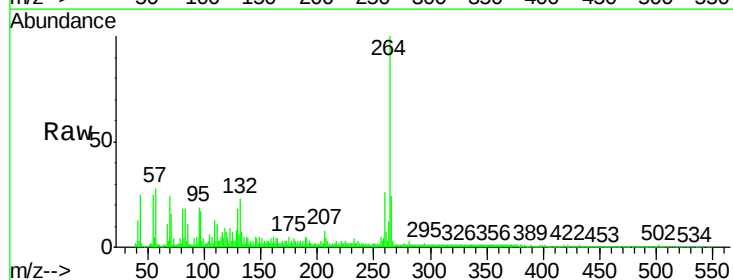
Tgt Ion:264 Resp: 158406

Ion Ratio Lower Upper

264 100

260 25.5 19.2 28.8

265 23.6 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

