

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122916\
 Data File : BF092031.D
 Acq On : 29 Dec 2016 18:34
 Operator : UM/SJ
 Sample : H6301-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12

Quant Time: Dec 29 23:52:00 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

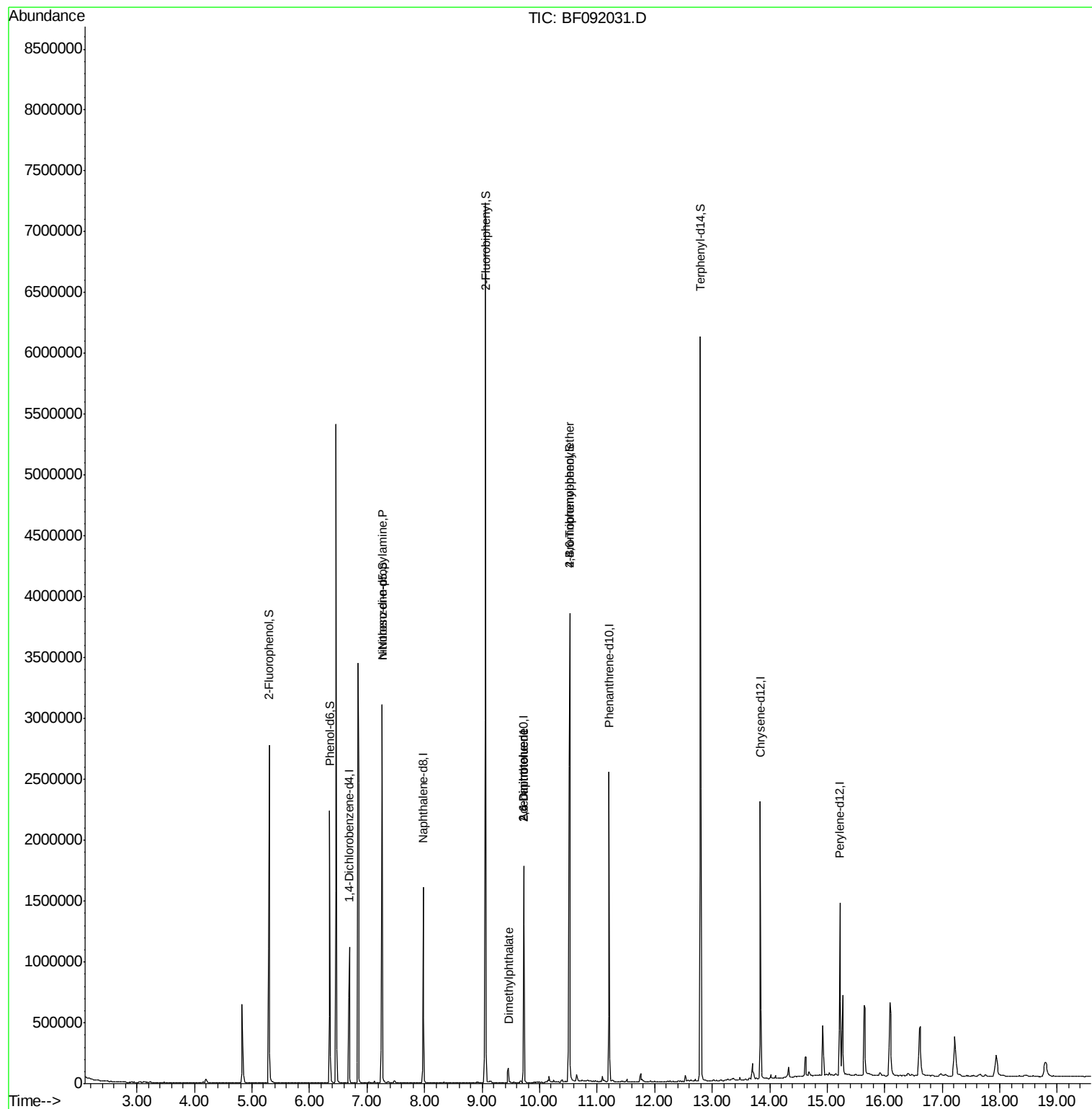
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	217514	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	793620	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	528323	20.00	ng	-0.03
63) Phenanthrene-d10	11.21	188	900656	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	769744	20.00	ng	-0.03
86) Perylene-d12	15.22	264	619412	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	849801	65.23	ng	-0.02
7) Phenol-d6	6.35	99	784418	49.32	ng	-0.03
23) Nitrobenzene-d5	7.26	82	1455904	102.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	583317	133.41	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	2407576	94.87	ng	-0.02
78) Terphenyl-d14	12.80	244	2380823	75.01	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.35	77	1049	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.26	70	188982	17.86	ng	# 71
49) Dimethylphthalate	9.46	163	69818	2.07	ng	98
50) 2,6-Dinitrotoluene	9.72	165	68129	9.21	ng	# 30
56) 2,4-Dinitrotoluene	9.72	165	68356	7.36	ng	# 19
66) 4-Bromophenyl-phenylether	10.52	248	39458	4.21	ng	# 1
71) Anthracene	11.29	178	1201	Below Cal	#	59
73) Di-n-butylphthalate	11.78	149	7133	Below Cal		98
74) Fluoranthene	12.42	202	2769	Below Cal		83

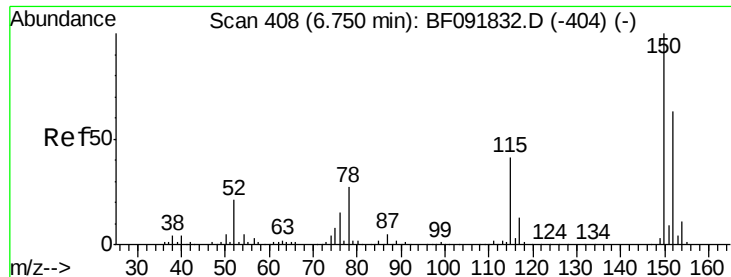
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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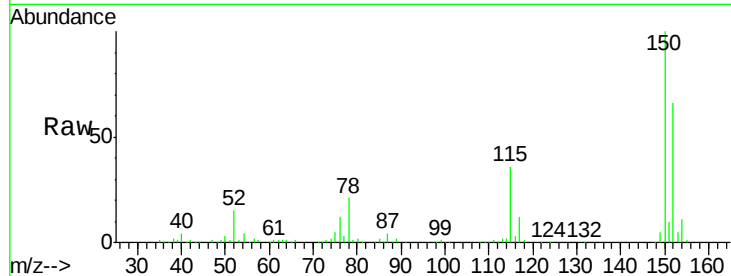


#1

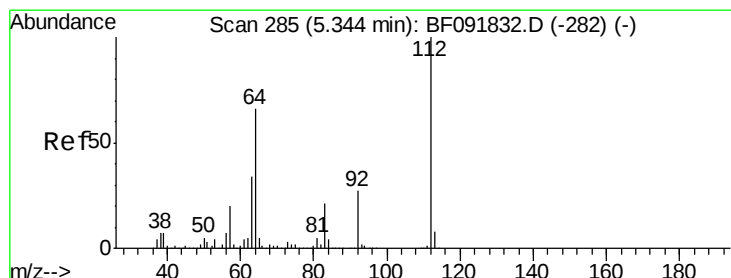
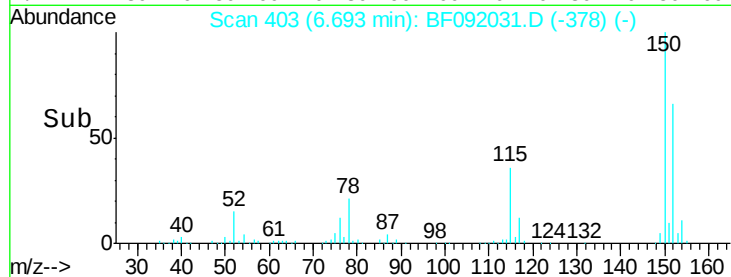
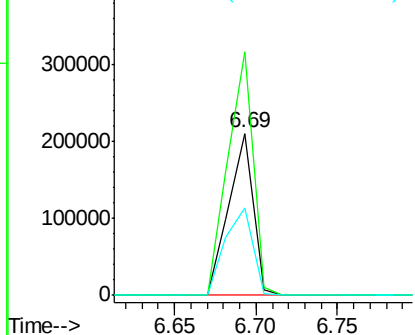
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 403
Delta R.T. -0.01 min
Lab File: BF092031.D
Acq: 29 Dec 2016 18:34

Instrument :
BNA_F
ClientSampleId :
MW-12

Tgt Ion:152 Resp: 217514
Ion Ratio Lower Upper
152 100
150 150.5 124.9 187.3
115 54.3 46.0 69.0



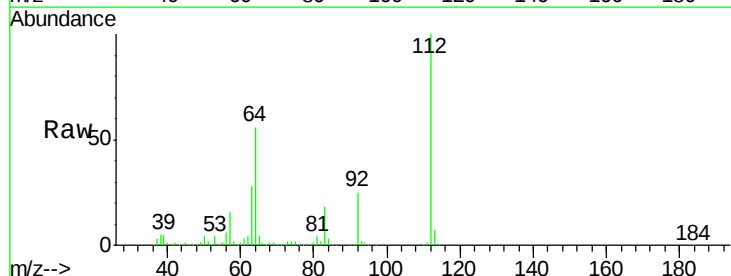
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



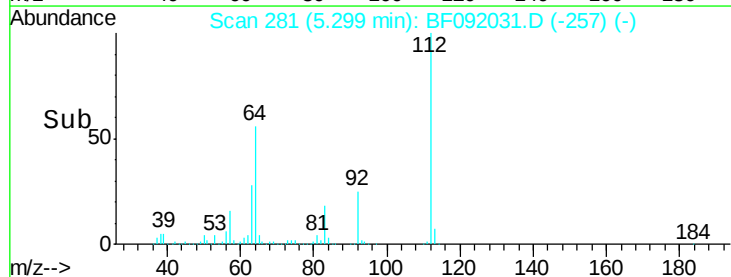
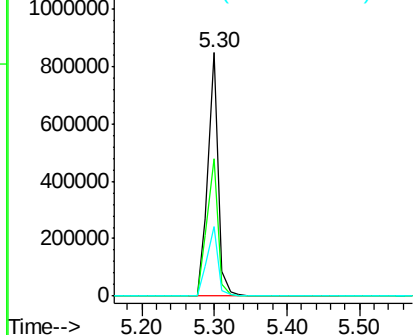
#5

2-Fluorophenol
Concen: 65.23 ng
RT: 5.30 min Scan# 281
Delta R.T. -0.02 min
Lab File: BF092031.D
Acq: 29 Dec 2016 18:34

Tgt Ion:112 Resp: 849801
Ion Ratio Lower Upper
112 100
64 56.4 46.1 69.1
63 28.4 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: 49.32 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.03 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Instrument :

BNA_F

ClientSampleId :

MW-12

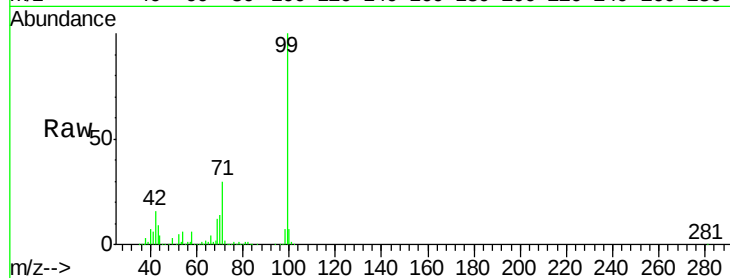
Tgt Ion: 99 Resp: 784418

Ion Ratio Lower Upper

99 100

42 16.0 15.6 23.4

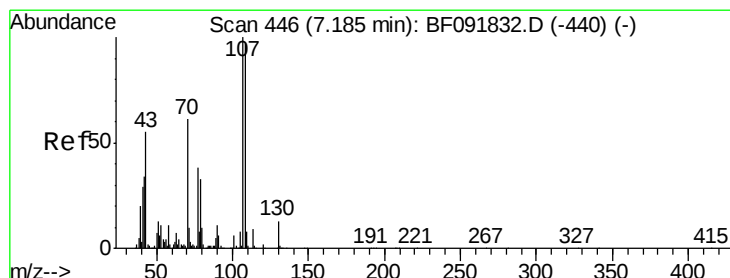
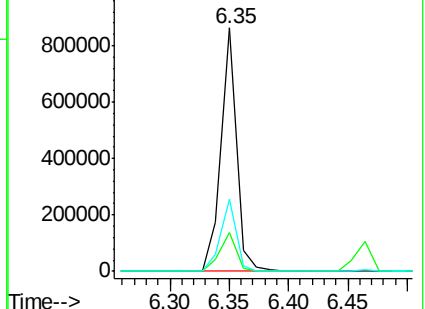
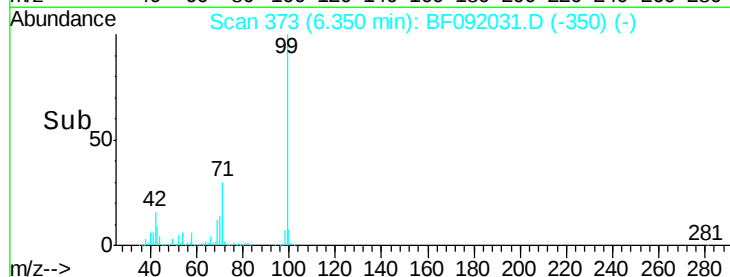
71 29.6 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.86 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.13 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Tgt Ion: 70 Resp: 188982

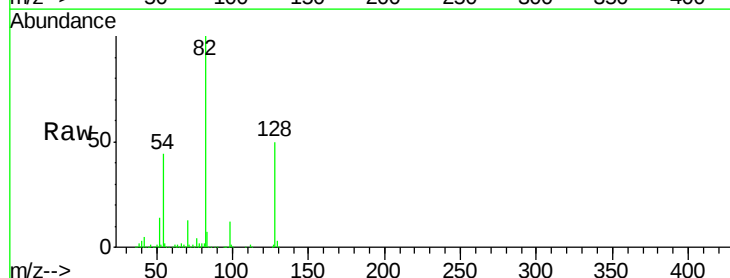
Ion Ratio Lower Upper

70 100

42 40.3 49.4 74.0#

101 0.0 7.4 11.2#

130 2.7 14.2 21.4#

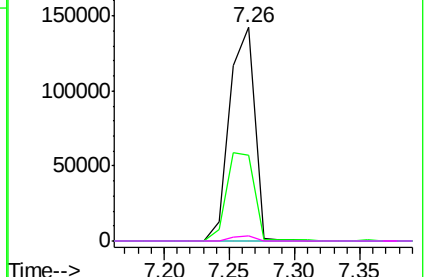
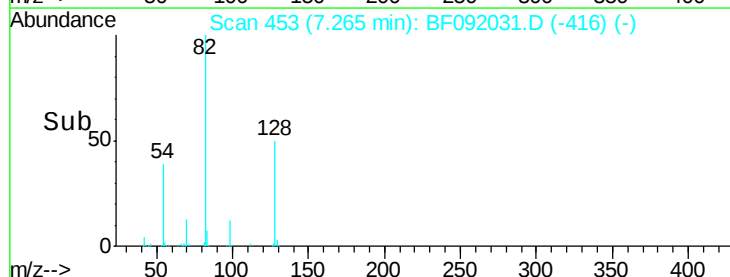


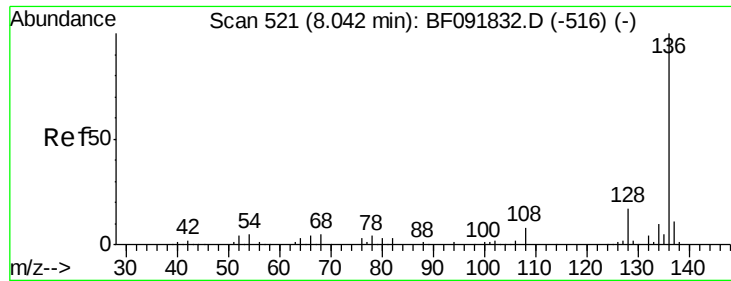
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

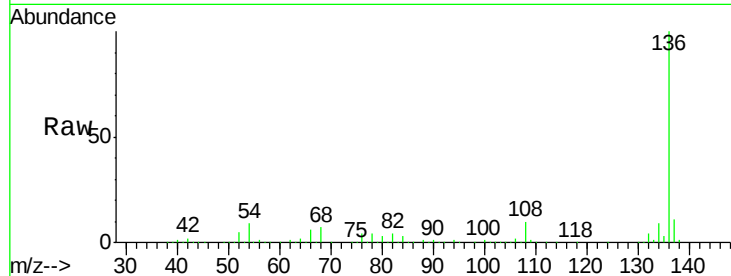




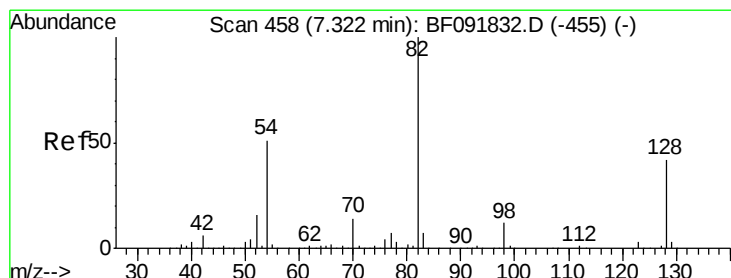
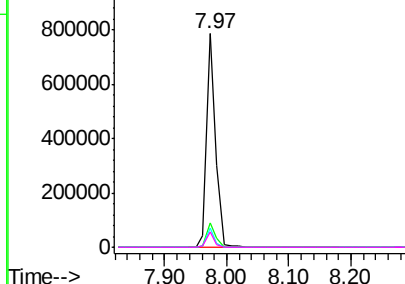
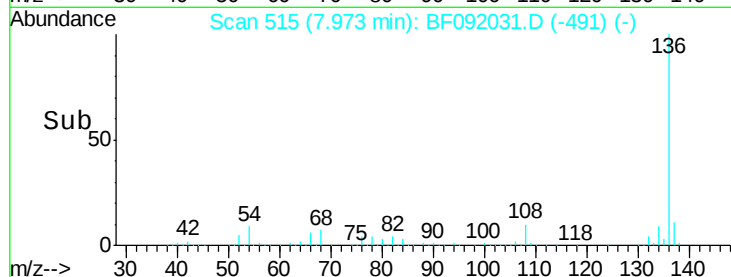
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF092031.D
Acq: 29 Dec 2016 18:34

Instrument :
BNA_F
ClientSampleId :
MW-12

Tgt Ion:	136	Resp:	793620
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.2	4.5	6.7#
68	6.9	3.6	5.4#

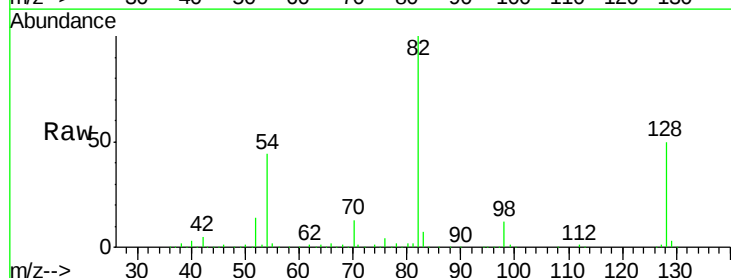


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

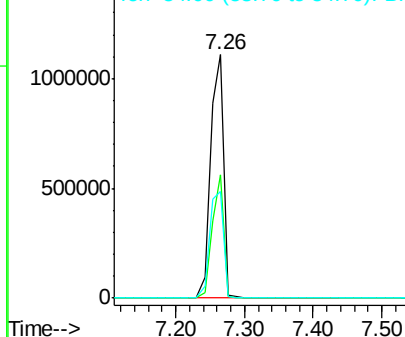
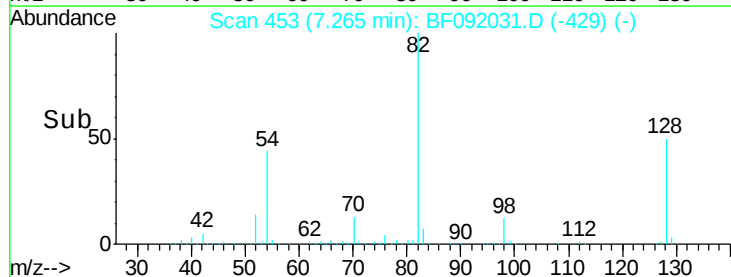


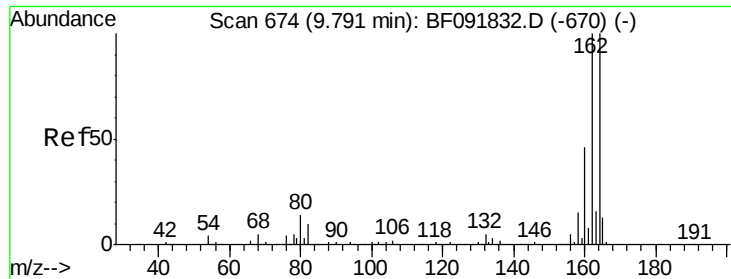
#23
Nitrobenzene-d5
Concen: 102.01 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF092031.D
Acq: 29 Dec 2016 18:34

Tgt Ion:	82	Resp:	1455904
Ion	Ratio	Lower	Upper
82	100		
128	50.4	34.6	52.0
54	43.5	39.5	59.3



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.03 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Instrument :

BNA_F

ClientSampleId :

MW-12

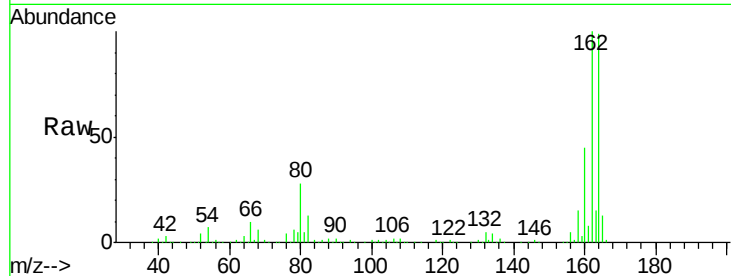
Tgt Ion:164 Resp: 528323

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

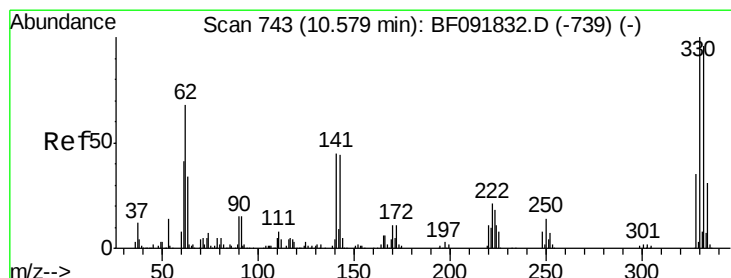
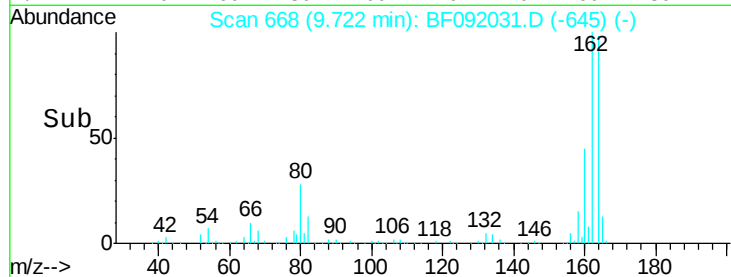
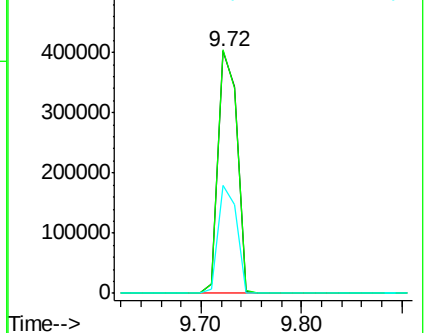
160 44.8 36.9 55.3



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: 133.41 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

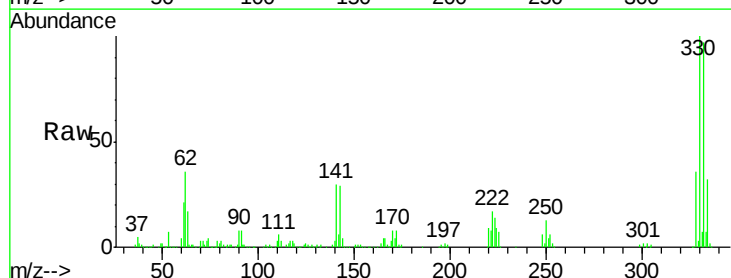
Tgt Ion:330 Resp: 583317

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

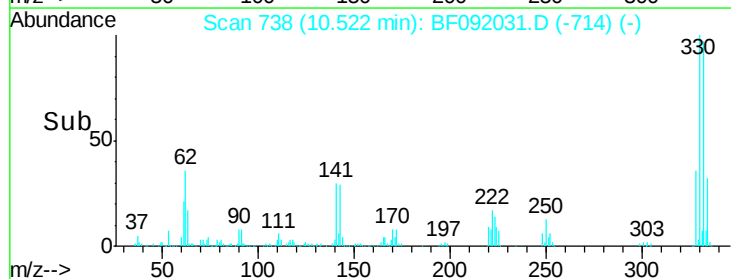
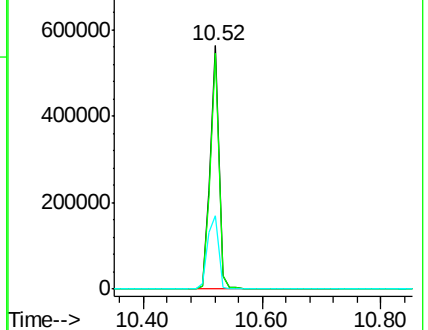
141 38.2 34.1 51.1

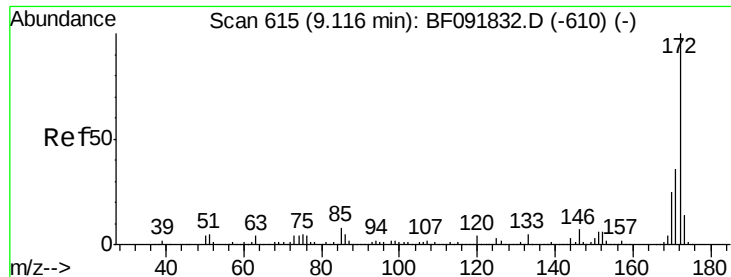


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

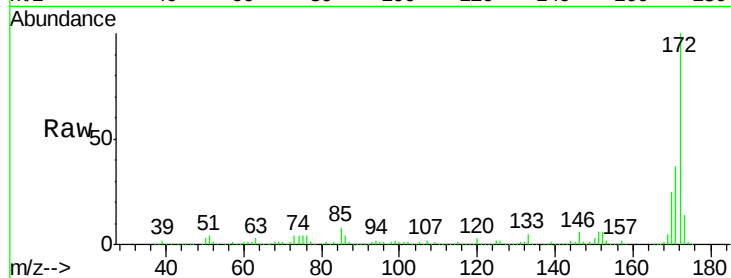




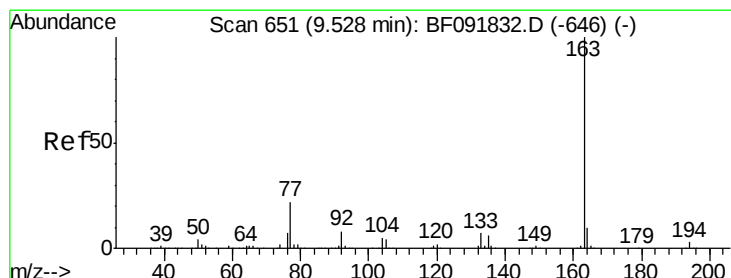
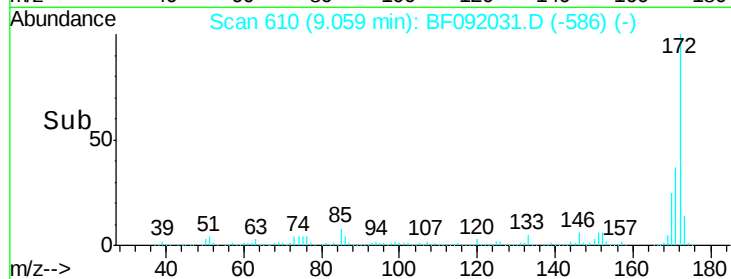
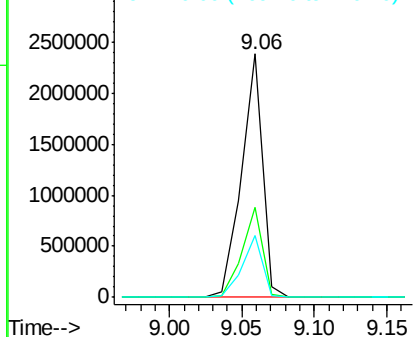
#44
 2-Fluorobiphenyl
 Concen: 94.87 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF092031.D
 Acq: 29 Dec 2016 18:34

Instrument :
 BNA_F
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 MW-12

Tgt Ion:172 Resp: 2407576
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.0
 170 25.2 20.2 30.4

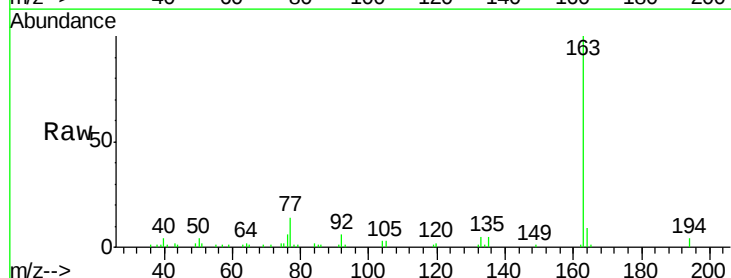


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

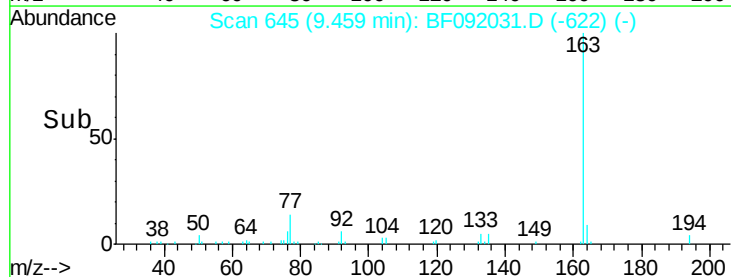
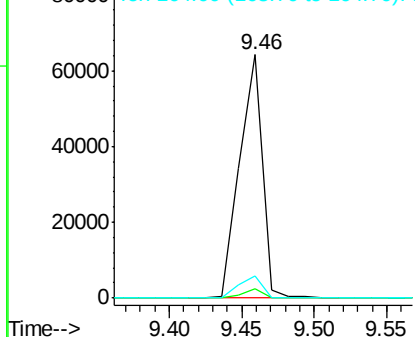


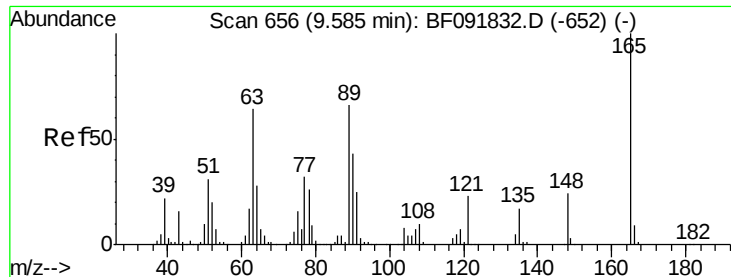
#49
 Dimethylphthalate
 Concen: 2.07 ng
 RT: 9.46 min Scan# 645
 Delta R.T. -0.03 min
 Lab File: BF092031.D
 Acq: 29 Dec 2016 18:34

Tgt Ion:163 Resp: 69818
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.4
 164 9.3 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





#50

2,6-Dinitrotoluene

Concen: 9.21 ng

RT: 9.72 min Scan# 668

Delta R.T. 0.17 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Instrument :

BNA_F

ClientSampleId :

MW-12

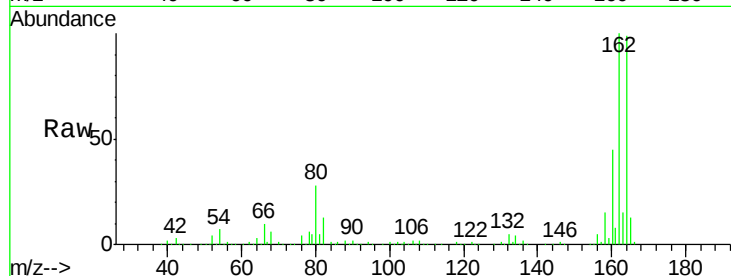
Tgt Ion:165 Resp: 68129

Ion Ratio Lower Upper

165 100

63 0.8 36.2 54.4#

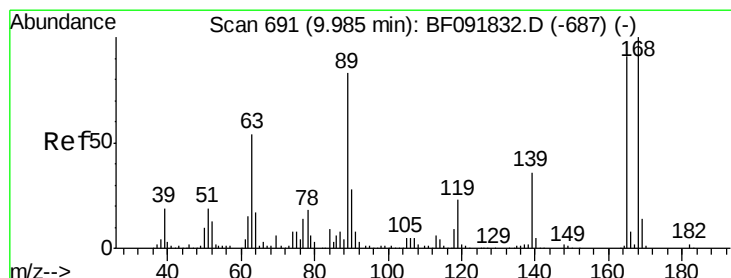
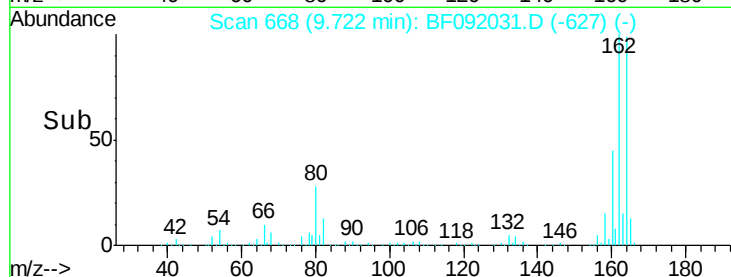
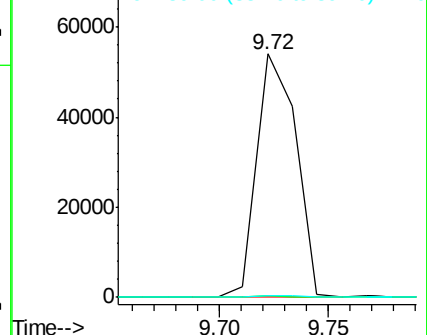
89 0.9 40.2 60.4#



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



#56

2,4-Dinitrotoluene

Concen: 7.36 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.23 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Tgt Ion:165 Resp: 68356

Ion Ratio Lower Upper

165 100

63 0.8 40.2 60.4#

89 0.9 62.5 93.7#

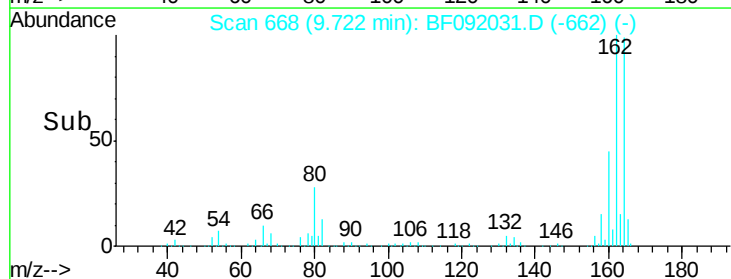
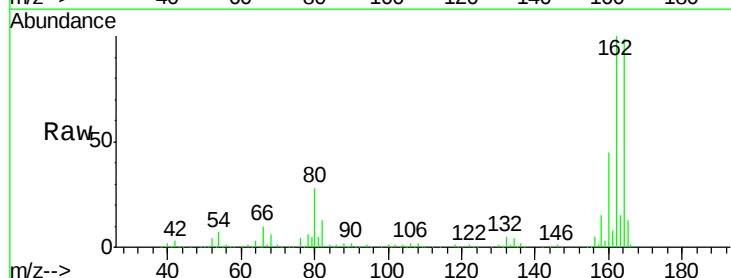
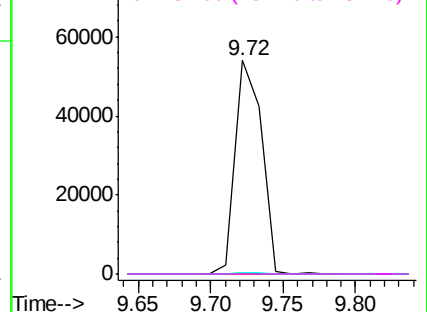
182 0.0 1.8 2.8#

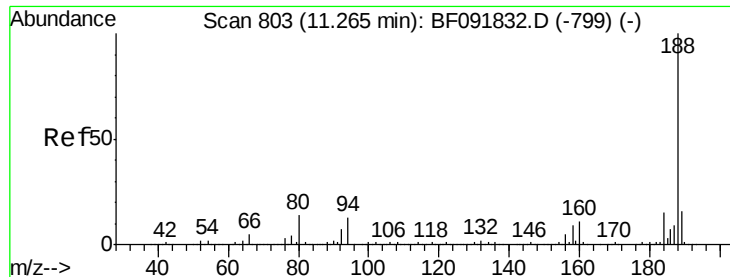
Abundance Ion 165.00 (164.70 to 165.70): E

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

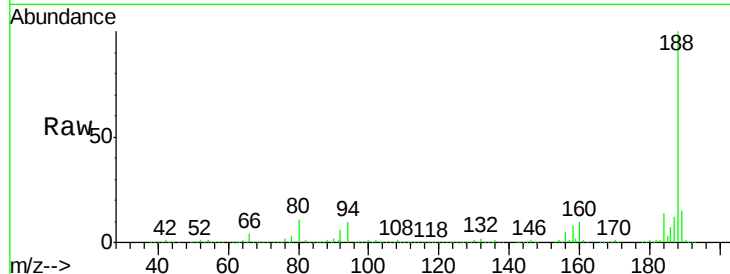




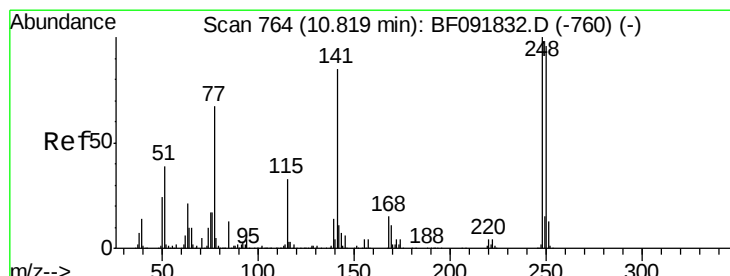
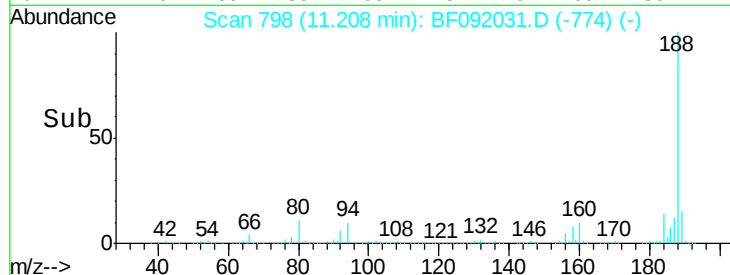
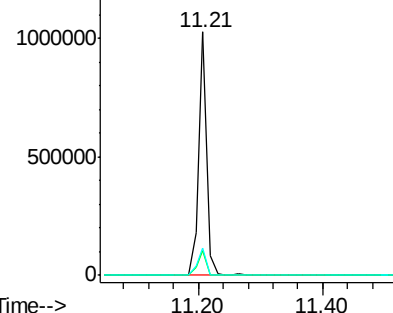
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF092031.D
 Acq: 29 Dec 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 MW-12

Tgt Ion:188 Resp: 900656
 Ion Ratio Lower Upper
 188 100
 94 10.4 10.0 15.0
 80 11.3 11.2 16.8

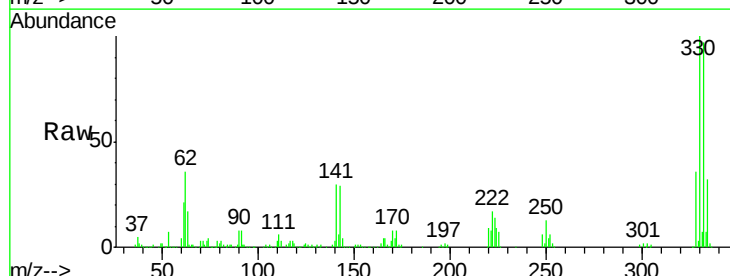


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

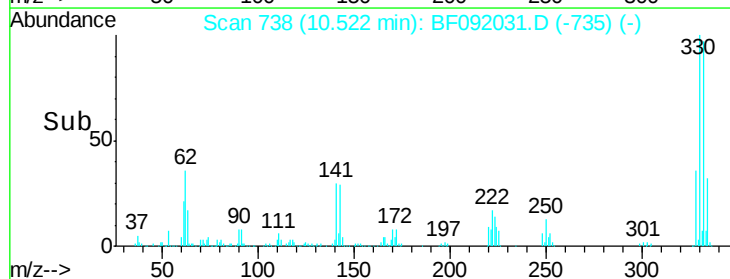
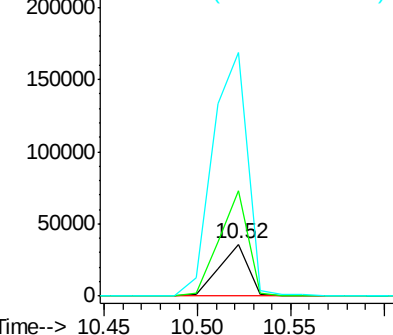


#66
 4-Bromophenyl-phenylether
 Concen: 4.21 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.26 min
 Lab File: BF092031.D
 Acq: 29 Dec 2016 18:34

Tgt Ion:248 Resp: 39458
 Ion Ratio Lower Upper
 248 100
 250 201.7 76.9 115.3#
 141 466.3 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: BF092031.D

Acq: 29 Dec 2016 18:34

Instrument :

BNA_F

ClientSampleId :

MW-12

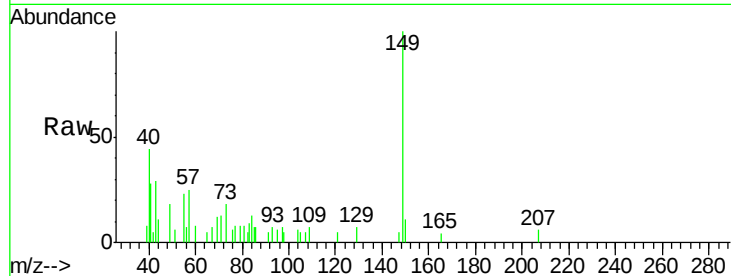
Tgt Ion:149 Resp: 7133

Ion Ratio Lower Upper

149 100

150 11.3 8.1 12.1

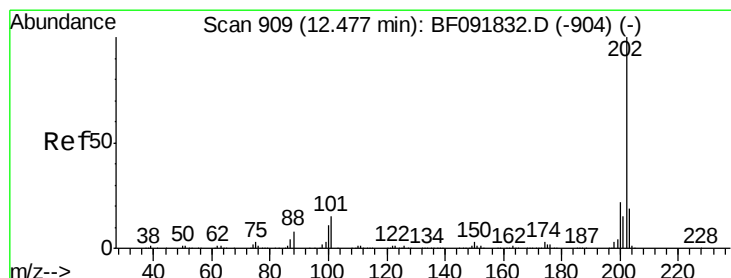
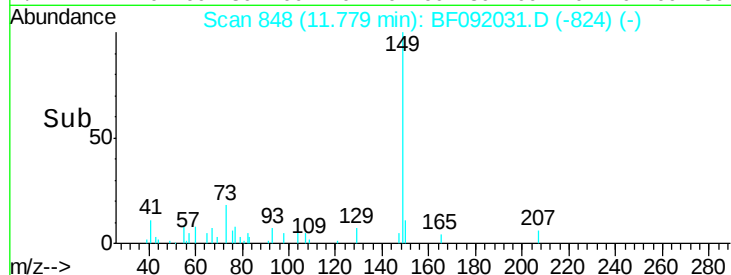
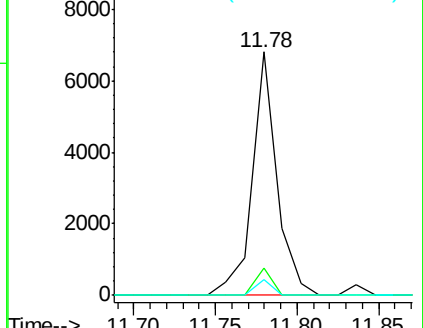
104 6.3 4.6 7.0



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: BF092031.D

Acq: 29 Dec 2016 18:34

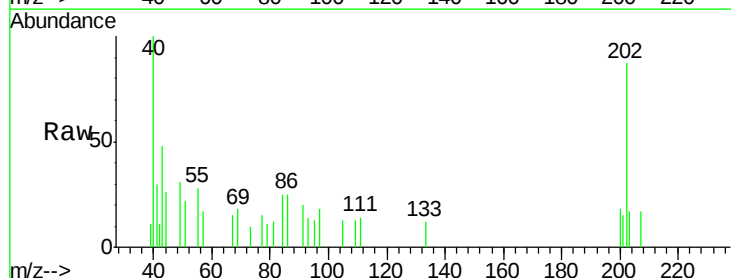
Tgt Ion:202 Resp: 2769

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

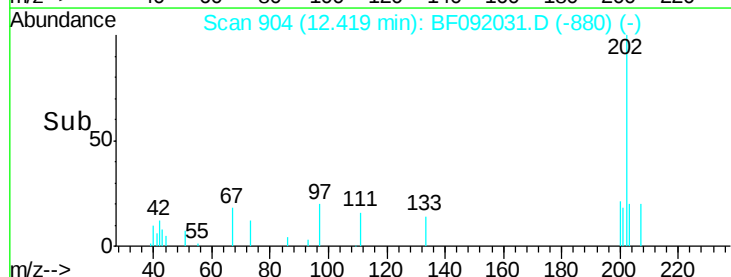
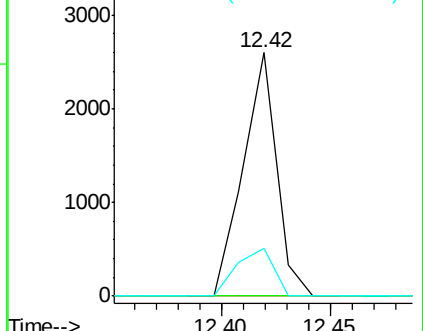
203 19.8 0.0 38.7

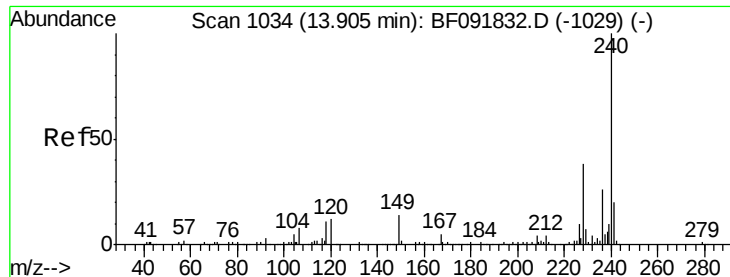


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF092031.D

Acq: 29 Dec 2016 18:34

Instrument :

BNA_F

ClientSampleId :

MW-12

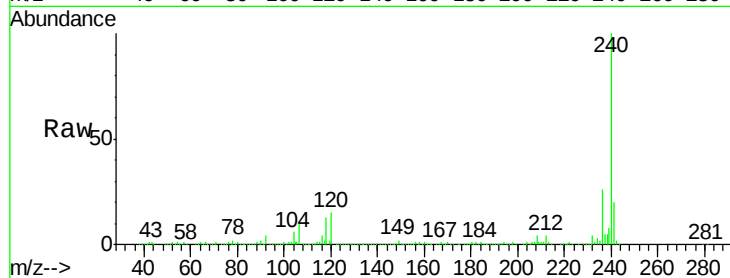
Tgt Ion:240 Resp: 769744

Ion Ratio Lower Upper

240 100

120 15.4 12.9 19.3

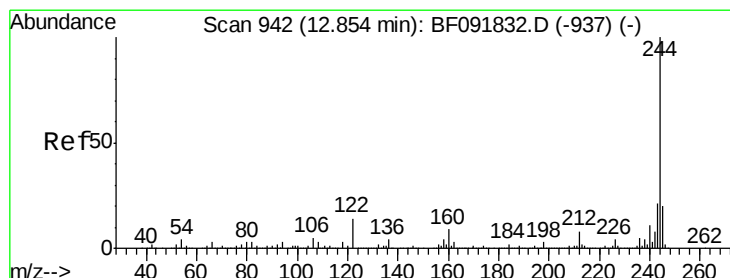
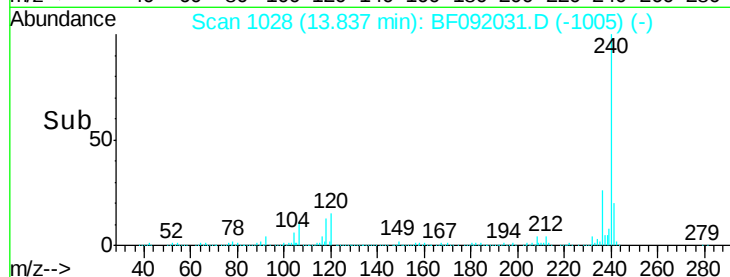
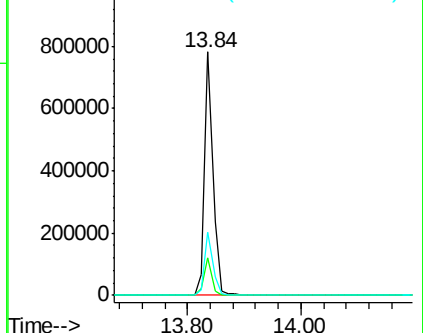
236 25.8 20.9 31.3



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: 75.01 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

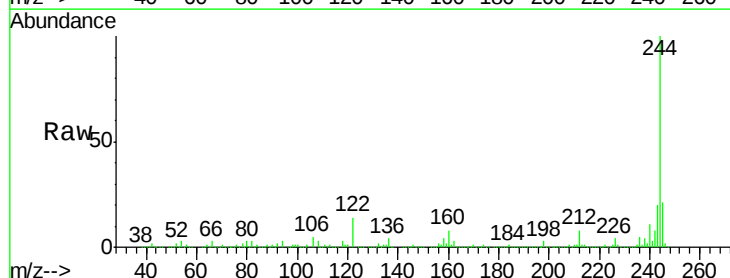
Tgt Ion:244 Resp: 2380823

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

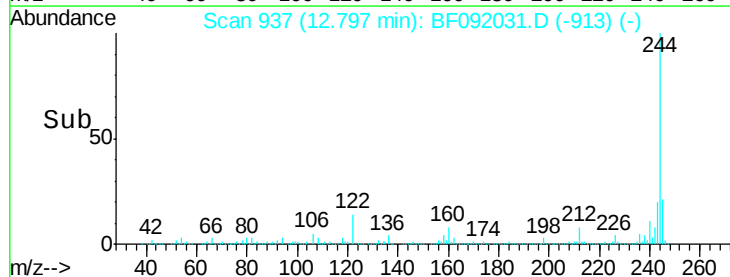
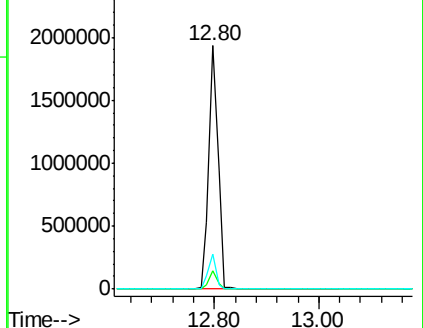
122 14.5 11.4 17.2

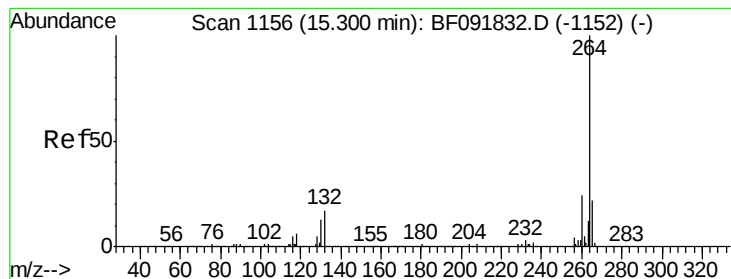


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.22 min Scan# 1149

Delta R.T. -0.03 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Instrument :

BNA_F

ClientSampleId :

MW-12

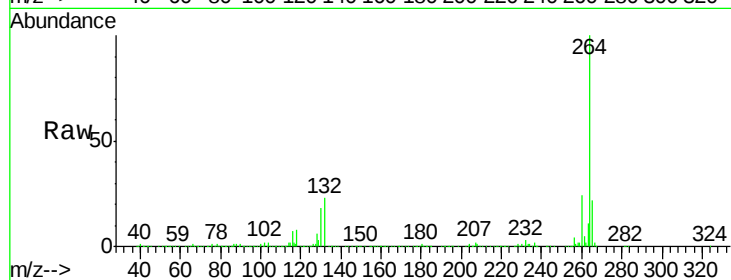
Tgt Ion: 264 Resp: 619412

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.9 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

