

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091953.D
 Acq On : 24 Dec 2016 6:00
 Operator : UM/SJ
 Sample : H6226-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-02-122116

Quant Time: Dec 24 23:19:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	277157	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	1207358	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	595870	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	842587	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	567669	20.00	ng	-0.02
86) Perylene-d12	15.29	264	543292	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1876955	113.08	ng	0.03
7) Phenol-d6	6.42	99	2454655	121.12	ng	0.01
23) Nitrobenzene-d5	7.31	82	1946288	89.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	474252	96.17	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2718775	95.00	ng	-0.01
78) Terphenyl-d14	12.84	244	1945197	83.11	ng	-0.01

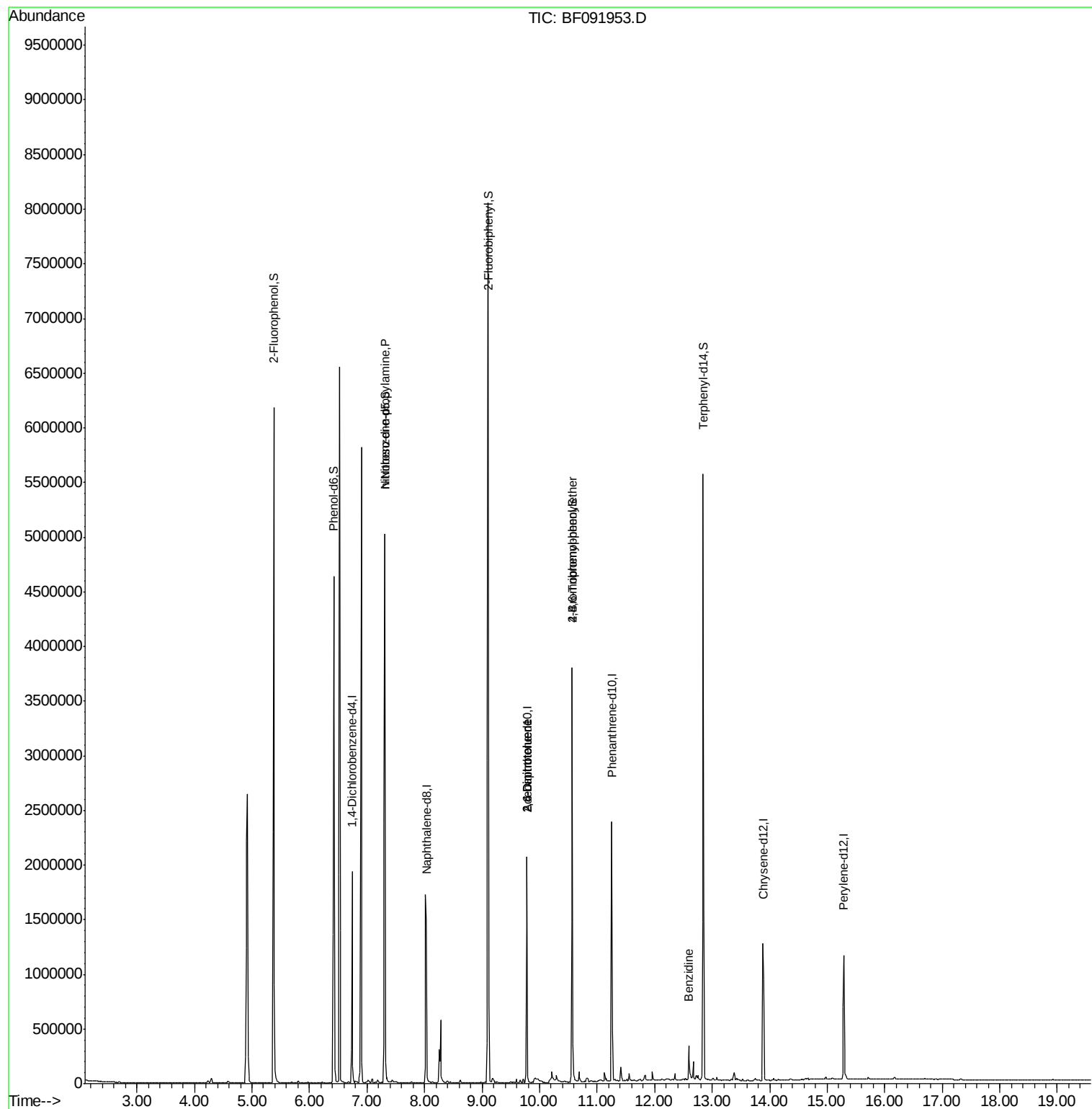
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	266099	19.74	ng	# 76
37) 2-Methylnaphthalene	8.74	142	591	Below Cal		# 75
50) 2,6-Dinitrotoluene	9.78	165	77299	9.27	ng	# 30
56) 2,4-Dinitrotoluene	9.78	165	77305	7.38	ng	# 19
66) 4-Bromophenyl-phenylether	10.57	248	31185	3.56	ng	# 1
71) Anthracene	11.28	178	2169	Below Cal		# 87
73) Di-n-butylphthalate	11.83	149	6233	Below Cal		# 93
74) Fluoranthene	12.47	202	355	Below Cal		# 61
76) Benzidine	12.59	184	191191	9.75	ng	# 97

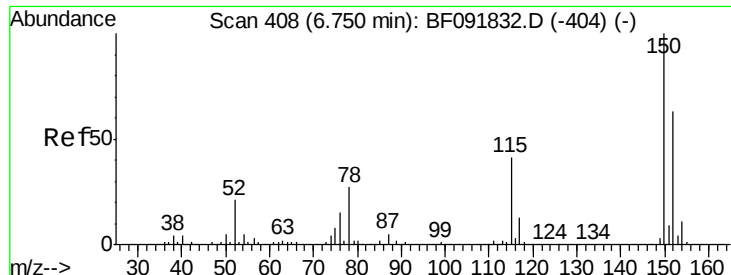
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

Instrument :

BNA_F

ClientSampleId :

IDW-02-122116

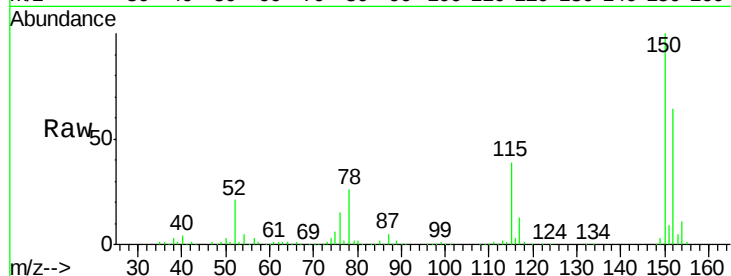
Tgt Ion:152 Resp: 277157

Ion Ratio Lower Upper

152 100

150 155.2 124.9 187.3

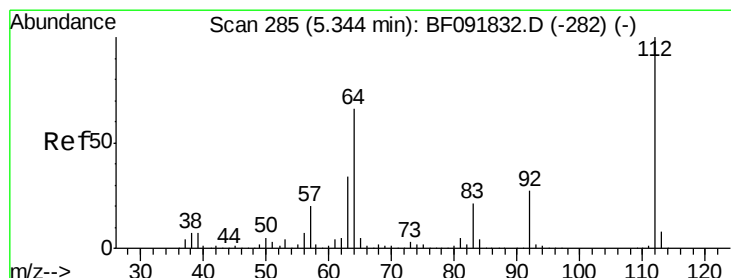
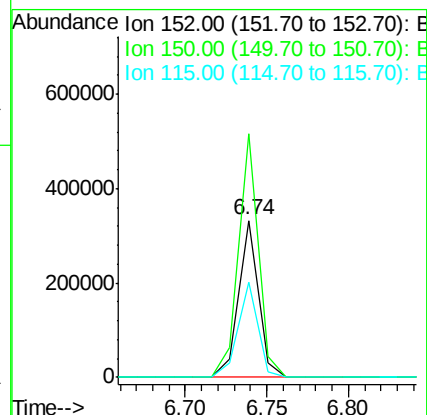
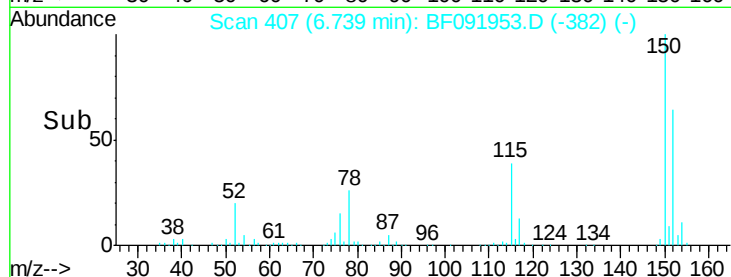
115 60.4 46.0 69.0



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: 113.08 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.03 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

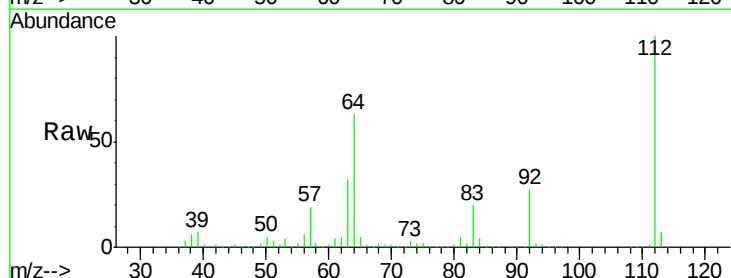
Tgt Ion:112 Resp: 1876955

Ion Ratio Lower Upper

112 100

64 63.0 46.1 69.1

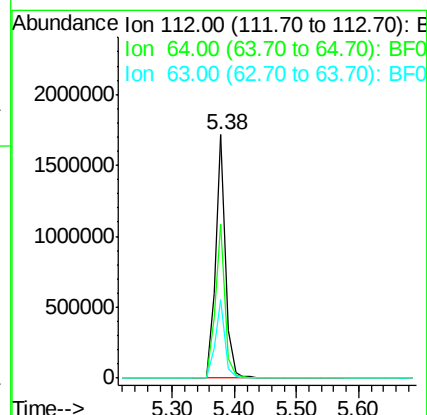
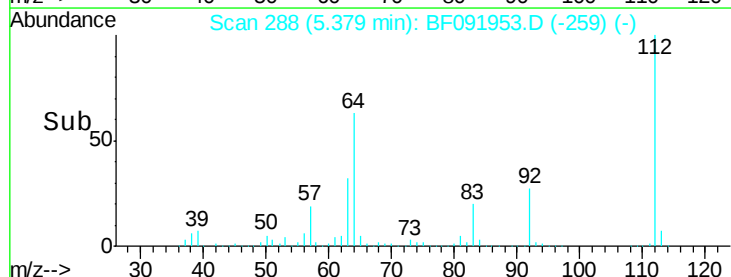
63 32.4 23.8 35.6

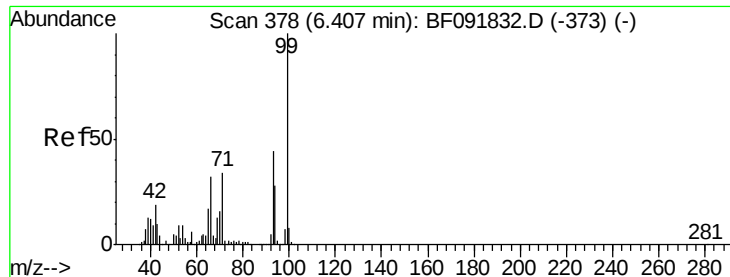


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.12 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

Instrument :

BNA_F

ClientSampleId :

IDW-02-122116

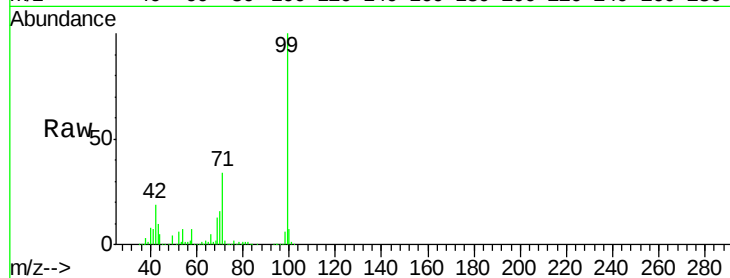
Tgt Ion: 99 Resp: 2454655

Ion Ratio Lower Upper

99 100

42 19.2 15.6 23.4

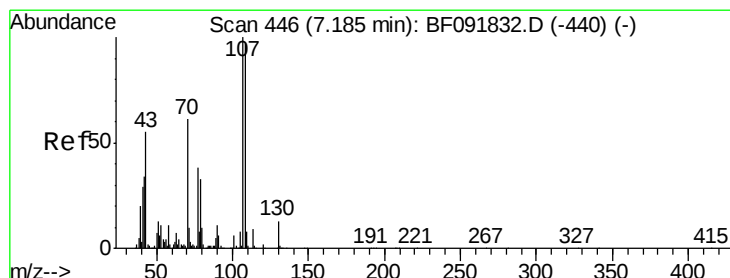
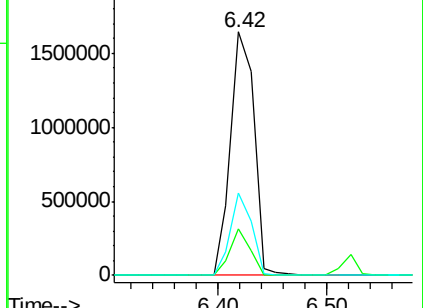
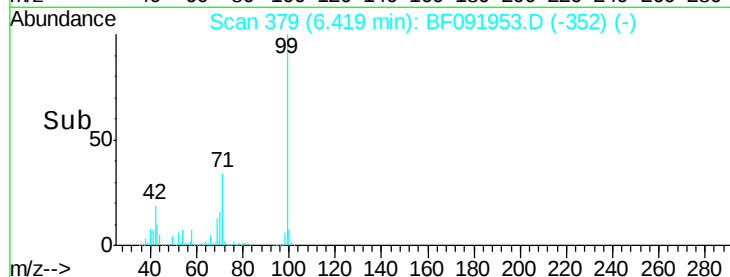
71 33.9 27.5 41.3



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: 19.74 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.13 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

Tgt Ion: 70 Resp: 266099

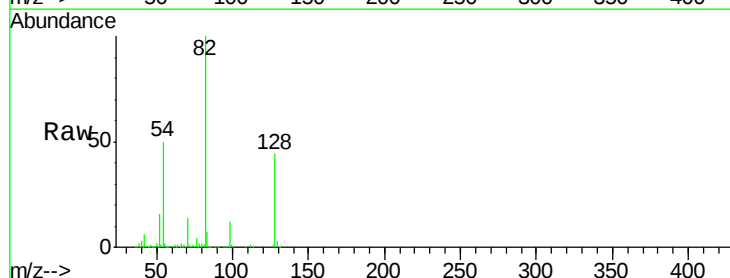
Ion Ratio Lower Upper

70 100

42 45.6 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

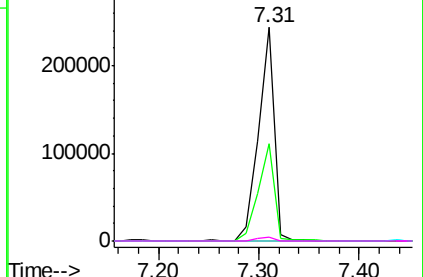
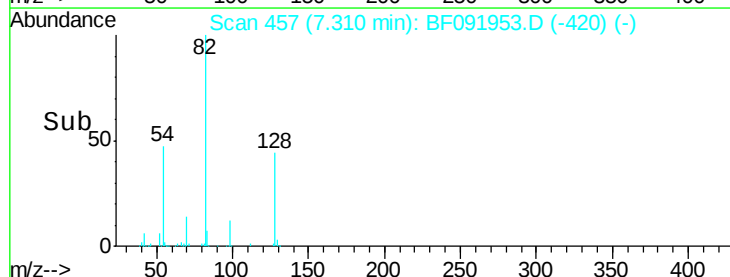


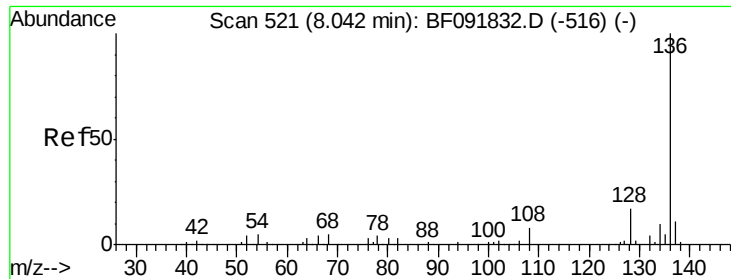
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

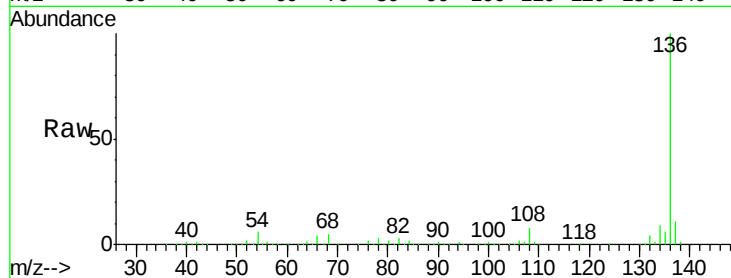




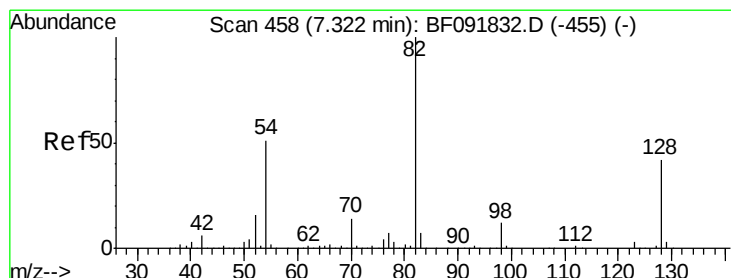
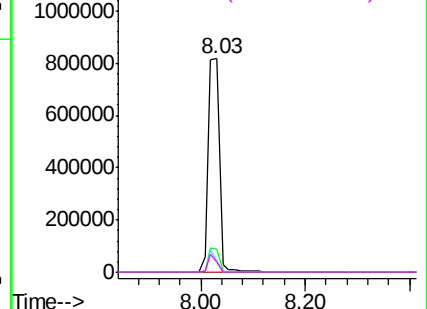
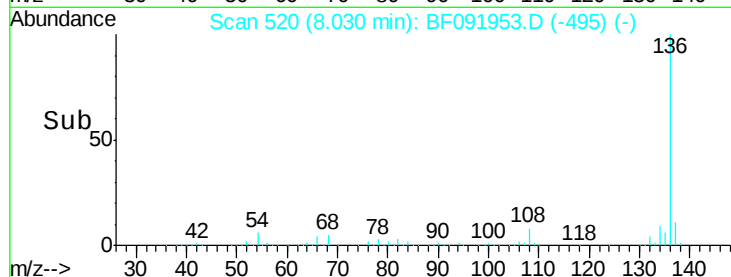
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091953.D
Acq: 24 Dec 2016 6:00

Instrument :
BNA_F
ClientSampleId :
IDW-02-122116

Tgt Ion: 136 Resp: 1207358
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 5.5 4.5 6.7
68 4.8 3.6 5.4

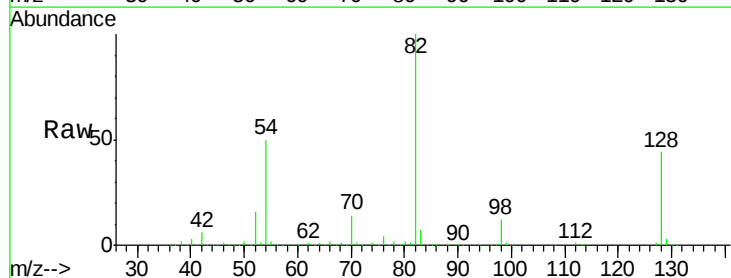


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

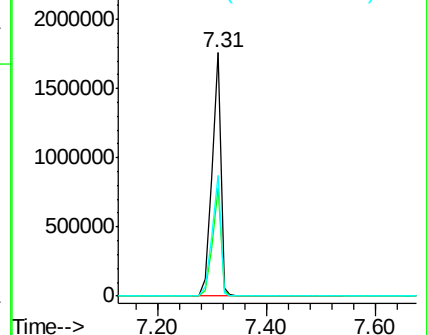
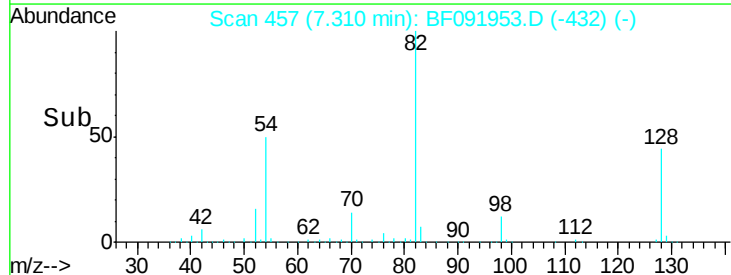


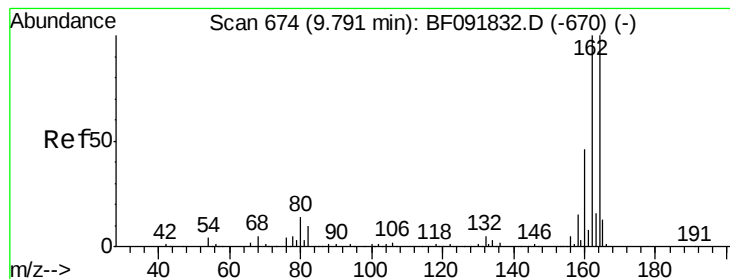
#23
Nitrobenzene-d5
Concen: 89.64 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091953.D
Acq: 24 Dec 2016 6:00

Tgt Ion: 82 Resp: 1946288
Ion Ratio Lower Upper
82 100
128 44.3 34.6 52.0
54 49.8 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: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

Instrument :

BNA_F

ClientSampleId :

IDW-02-122116

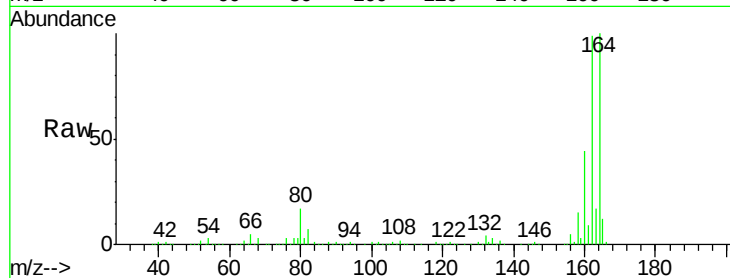
Tgt Ion:164 Resp: 595870

Ion Ratio Lower Upper

164 100

162 99.1 80.2 120.2

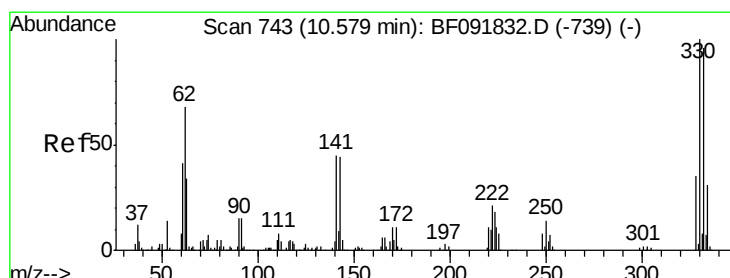
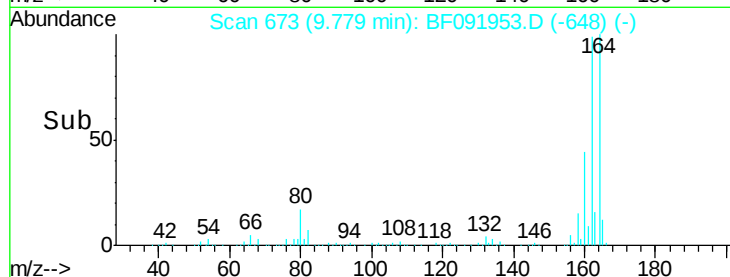
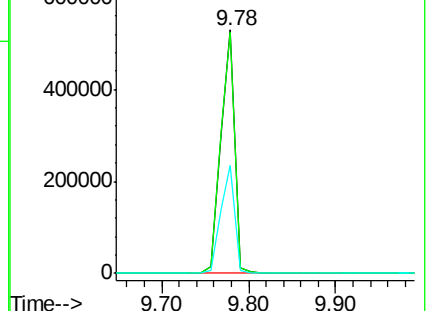
160 44.5 36.9 55.3



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: 96.17 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

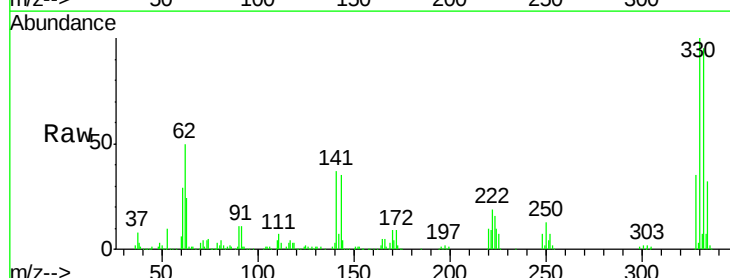
Tgt Ion:330 Resp: 474252

Ion Ratio Lower Upper

330 100

332 95.4 77.4 116.2

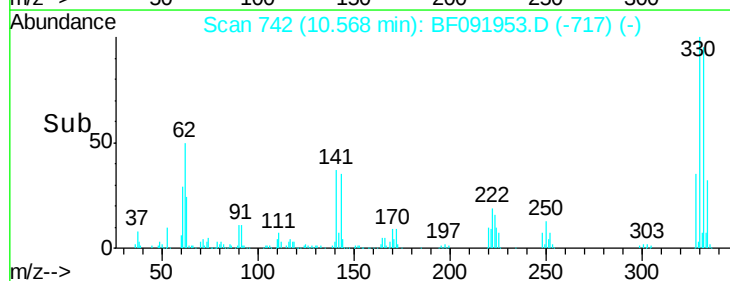
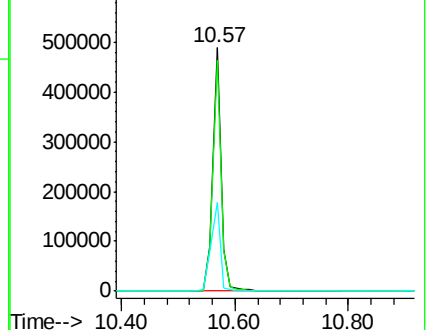
141 39.7 34.1 51.1

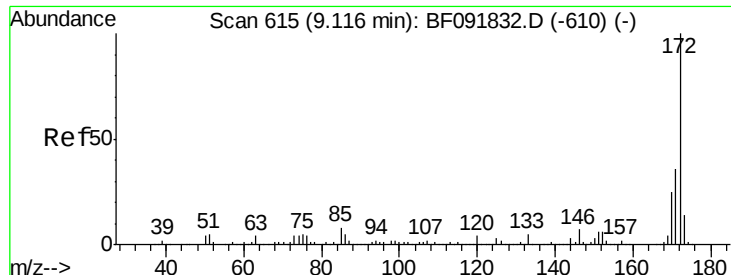


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

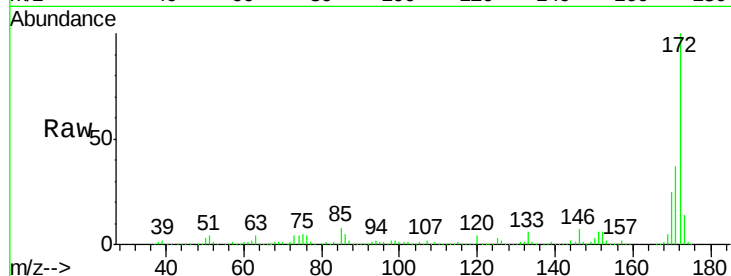




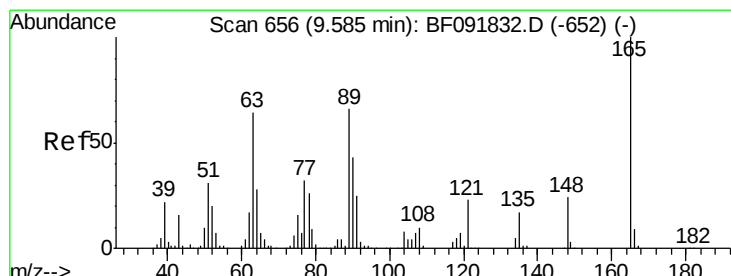
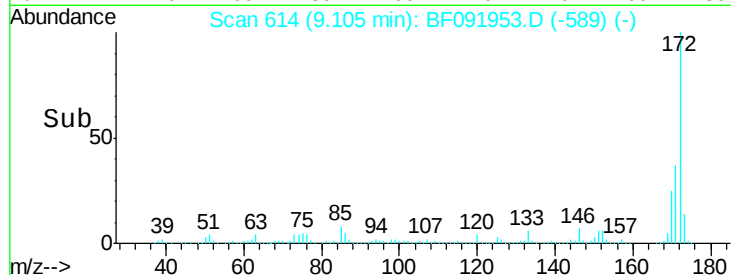
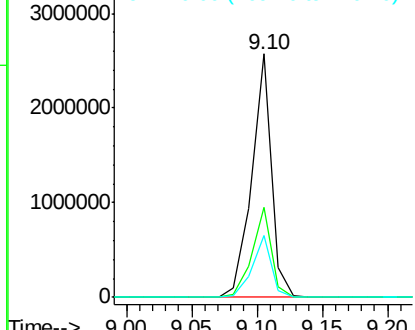
#44
 2-Fluorobiphenyl
 Concen: 95.00 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091953.D
 Acq: 24 Dec 2016 6:00

Instrument :
 BNA_F
 ClientSampleId :
 IDW-02-122116

Tgt Ion:172 Resp: 2718775
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 25.2 20.2 30.4

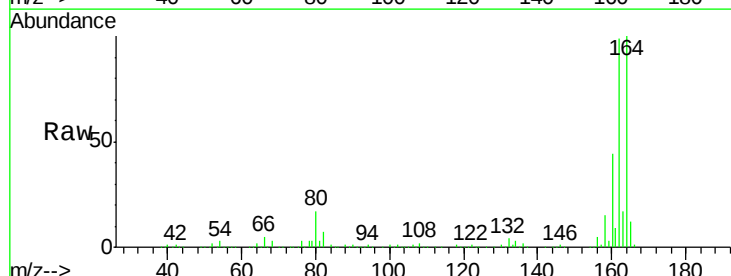


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

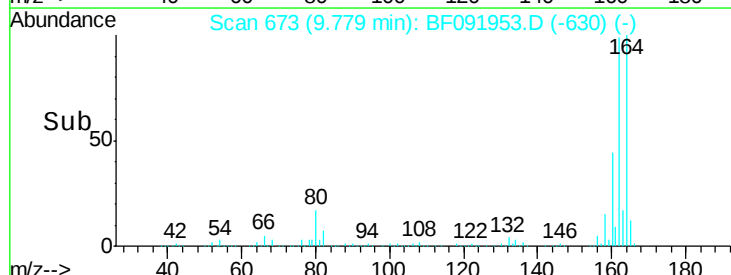
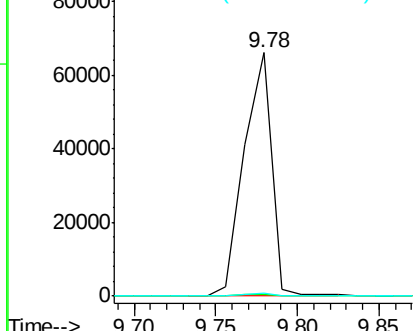


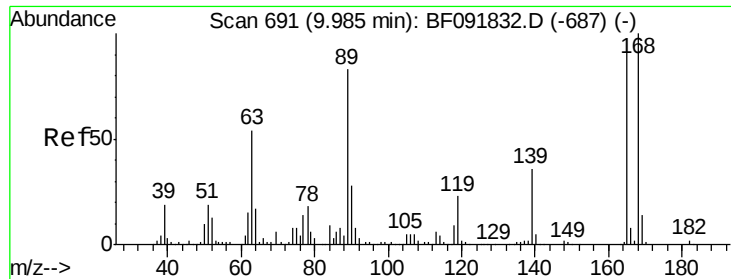
#50
 2,6-Dinitrotoluene
 Concen: 9.27 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.19 min
 Lab File: BF091953.D
 Acq: 24 Dec 2016 6:00

Tgt Ion:165 Resp: 77299
 Ion Ratio Lower Upper
 165 100
 63 0.8 36.2 54.4#
 89 1.0 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

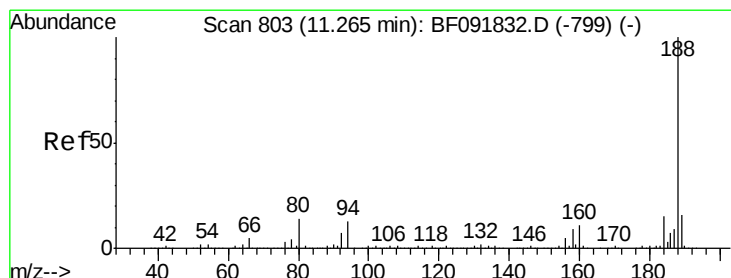
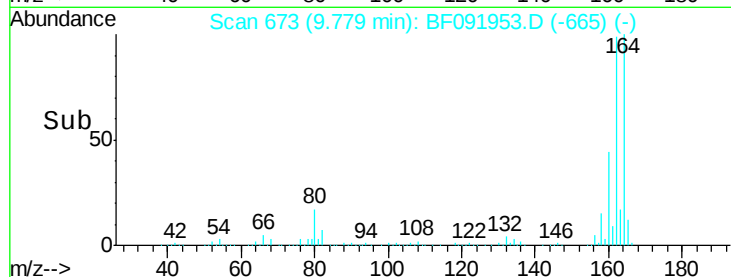
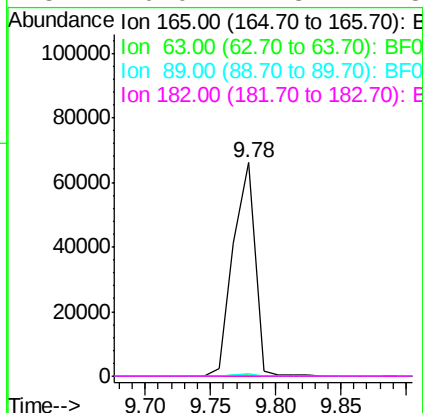
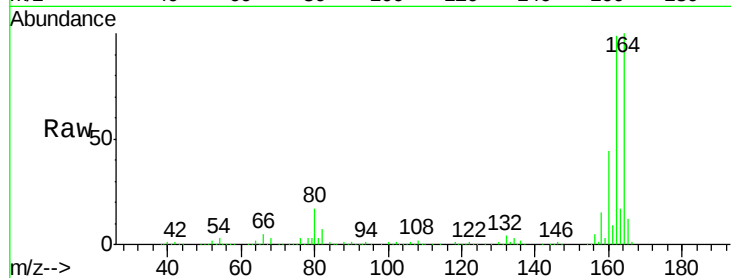




#56
 2,4-Dinitrotoluene
 Concen: 7.38 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF091953.D
 Acq: 24 Dec 2016 6:00

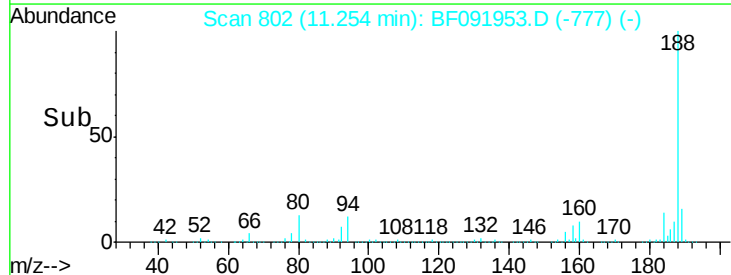
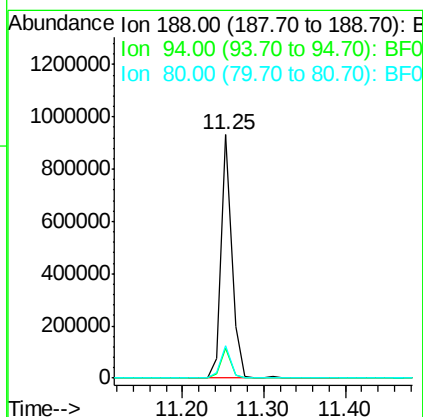
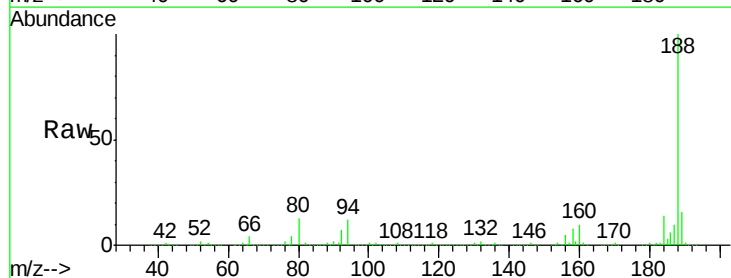
Instrument :
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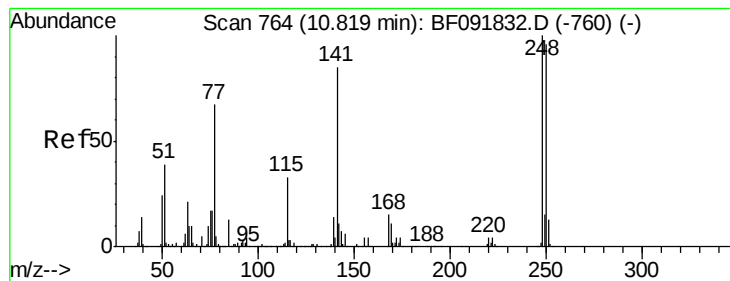
Tgt Ion:	165	Resp:	77305
Ion	Ratio	Lower	Upper
165	100		
63	0.8	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091953.D
 Acq: 24 Dec 2016 6:00

Tgt Ion:	188	Resp:	842587
Ion	Ratio	Lower	Upper
188	100		
94	12.1	10.0	15.0
80	13.1	11.2	16.8





#66

4-Bromophenyl-phenylether

Concen: 3.56 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.25 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

Instrument :

BNA_F

ClientSampleId :

IDW-02-122116

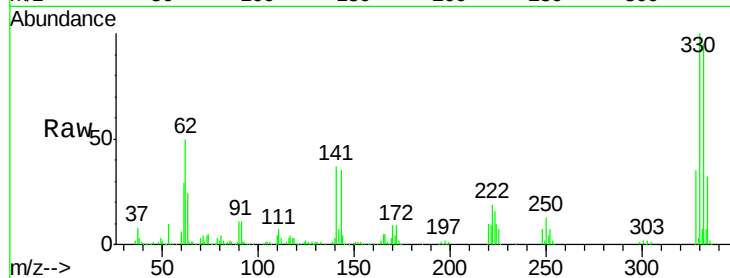
Tgt Ion:248 Resp: 31185

Ion Ratio Lower Upper

248 100

250 197.6 76.9 115.3#

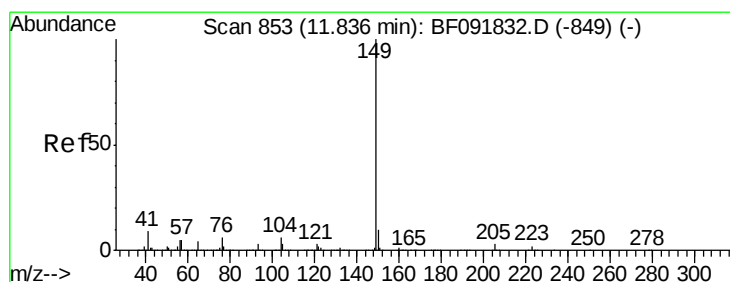
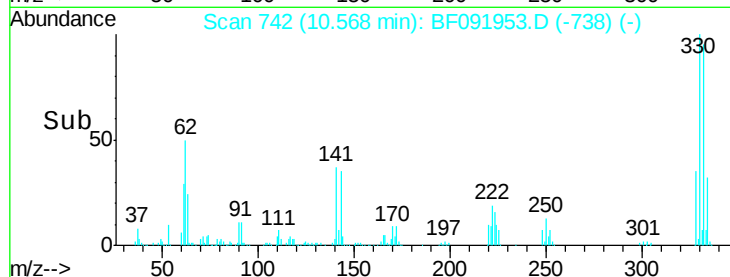
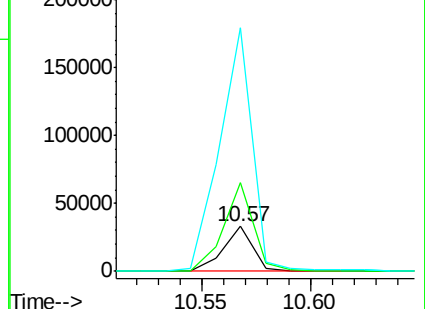
141 543.4 68.2 102.4#



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: 11.83 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

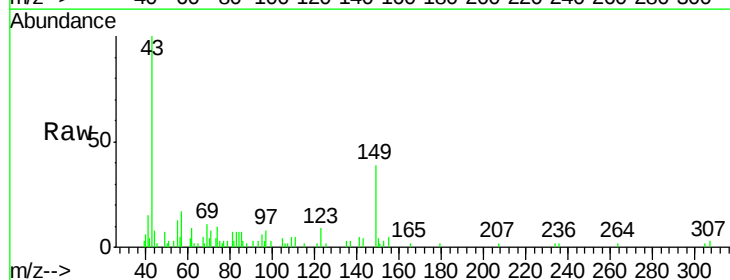
Tgt Ion:149 Resp: 6233

Ion Ratio Lower Upper

149 100

150 10.3 8.1 12.1

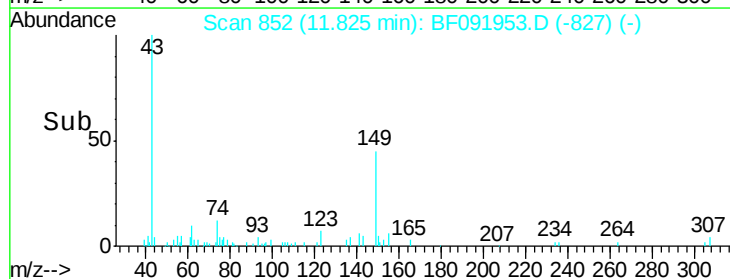
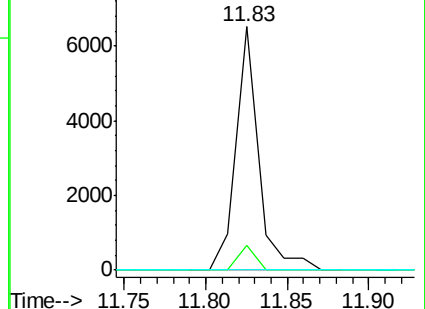
104 0.0 4.6 7.0#

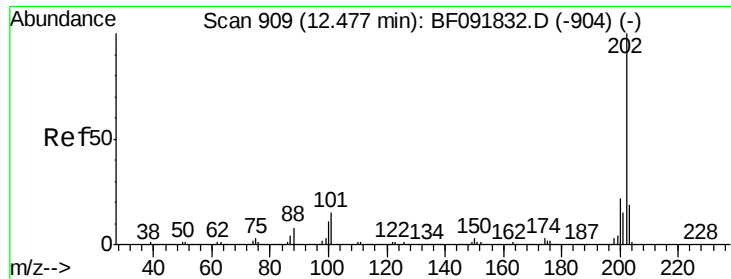


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

Instrument :

BNA_F

ClientSampleId :

IDW-02-122116

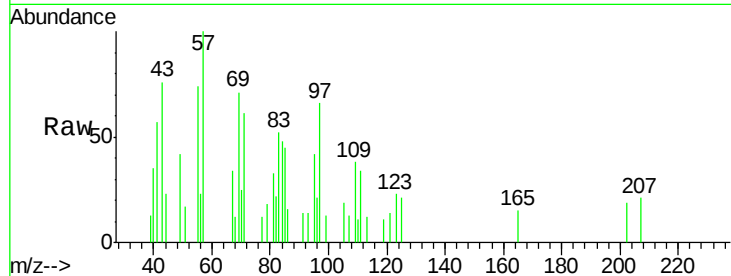
Tgt Ion:202 Resp: 355

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

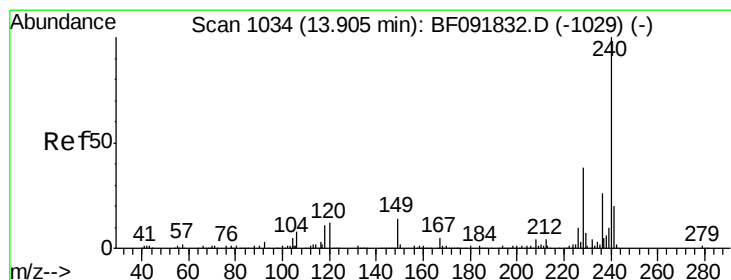
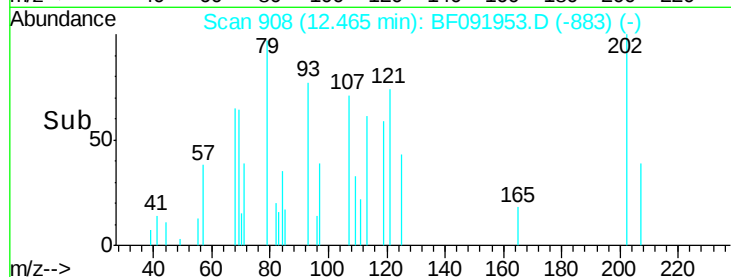
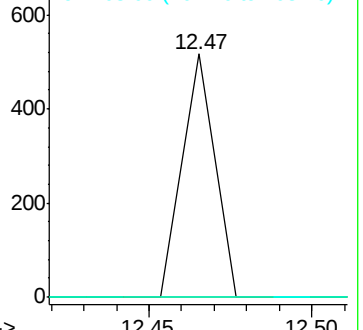
203 0.0 0.0 38.7



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: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

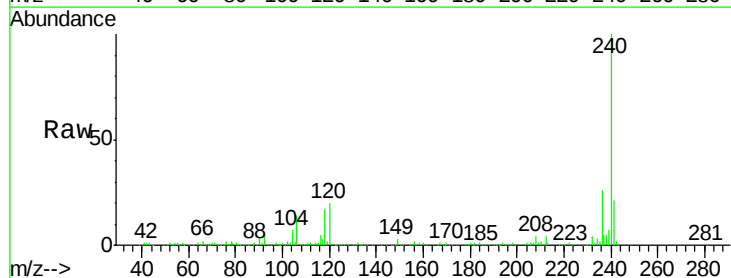
Tgt Ion:240 Resp: 567669

Ion Ratio Lower Upper

240 100

120 19.8 12.9 19.3#

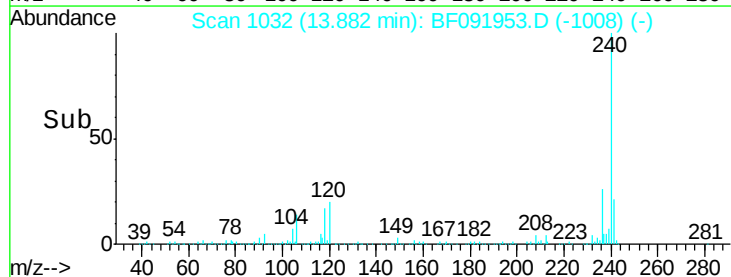
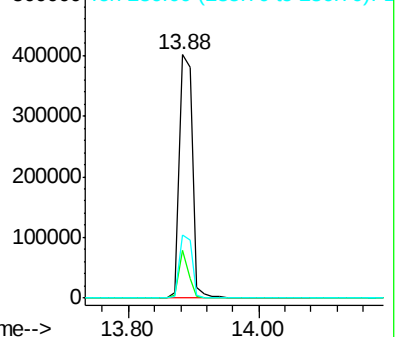
236 25.8 20.9 31.3

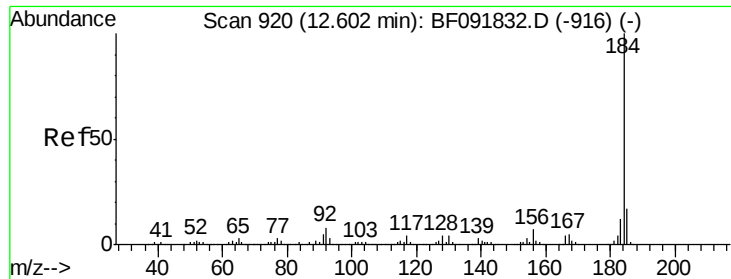


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 9.75 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

Instrument :

BNA_F

ClientSampleId :

IDW-02-122116

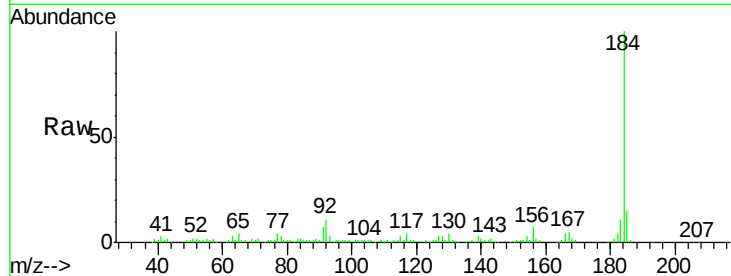
Tgt Ion:184 Resp: 191191

Ion Ratio Lower Upper

184 100

185 15.1 13.4 20.0

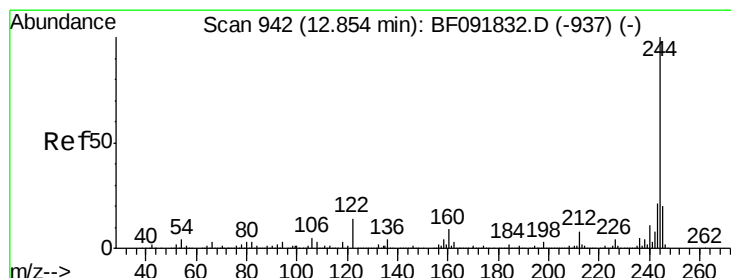
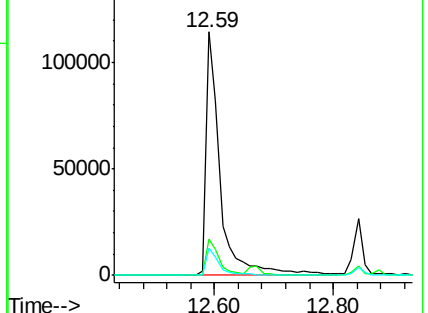
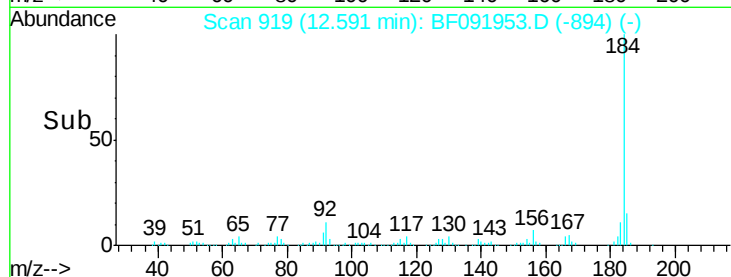
183 11.0 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 83.11 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091953.D

Acq: 24 Dec 2016 6:00

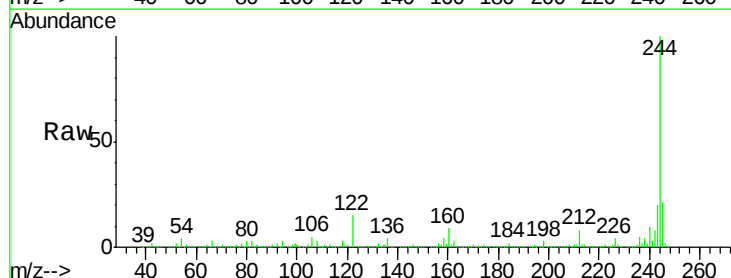
Tgt Ion:244 Resp: 1945197

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

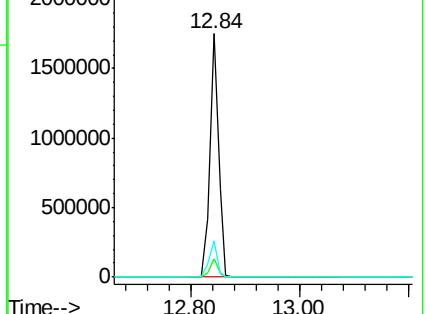
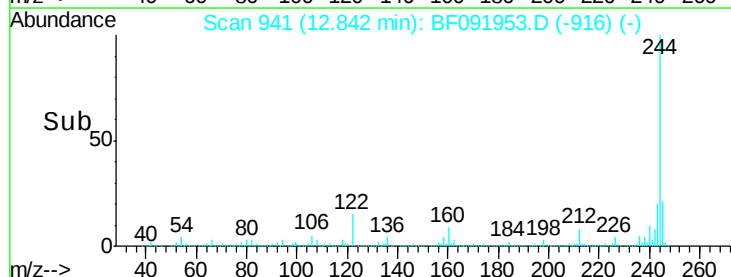
122 14.6 11.4 17.2

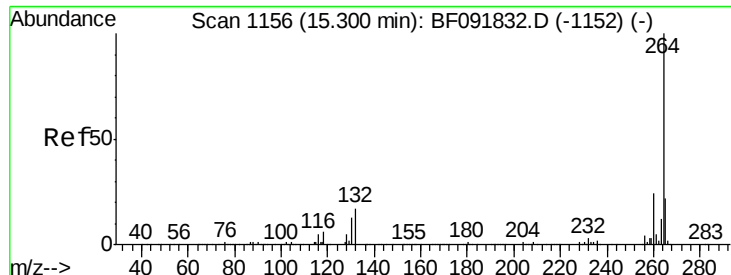


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

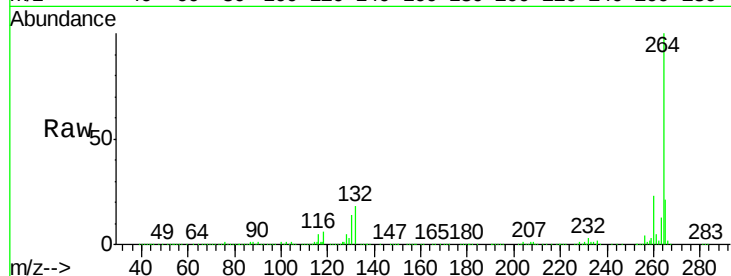




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091953.D
Acq: 24 Dec 2016 6:00

Instrument :
BNA_F
ClientSampleId :
IDW-02-122116

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.4	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

