

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091951.D
 Acq On : 24 Dec 2016 5:06
 Operator : UM/SJ
 Sample : H6205-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-14

Quant Time: Dec 24 05:31:11 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	241238	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	822566	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	417851	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	594735	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	414222	20.00	ng	-0.02
86) Perylene-d12	15.29	264	387403	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	1036318	71.73	ng	0.02
7) Phenol-d6	6.42	99	832823	47.21	ng	0.01
23) Nitrobenzene-d5	7.31	82	1393913	94.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	415277	120.09	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2088664	105.53	ng	-0.01
78) Terphenyl-d14	12.84	244	1486472	87.03	ng	-0.01

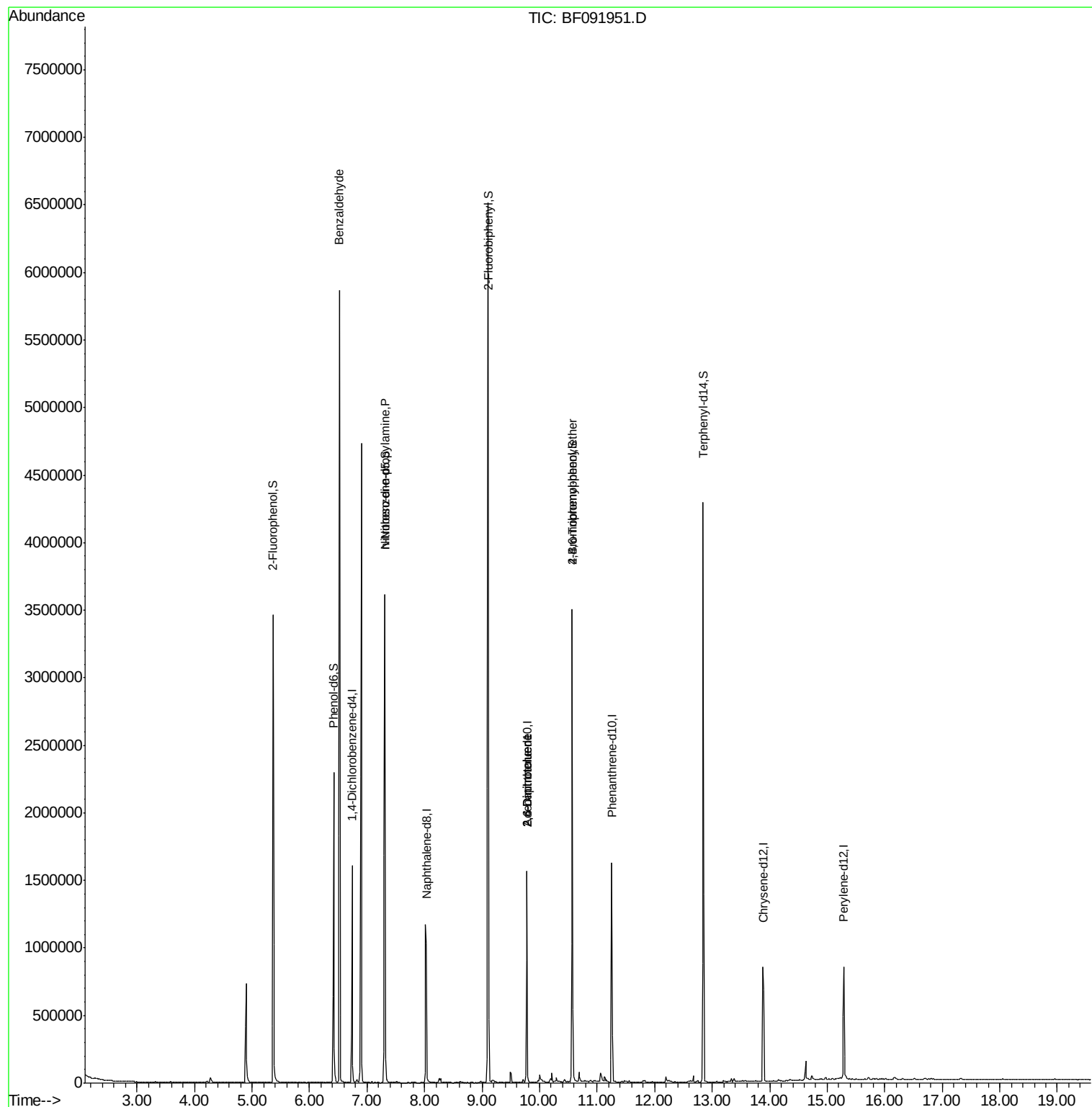
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	39332	2.76	ng	# 68
19) n-Nitroso-di-n-propylamine	7.31	70	191223	16.30	ng	# 76
37) 2-Methylnaphthalene	8.74	142	577	Below Cal		# 93
50) 2,6-Dinitrotoluene	9.78	165	53359	9.12	ng	# 31
56) 2,4-Dinitrotoluene	9.78	165	53359	7.27	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	26848	4.34	ng	# 1
71) Anthracene	11.28	178	432	Below Cal		# 59
73) Di-n-butylphthalate	11.82	149	4552	Below Cal		# 91
74) Fluoranthene	12.46	202	213	Below Cal		# 61

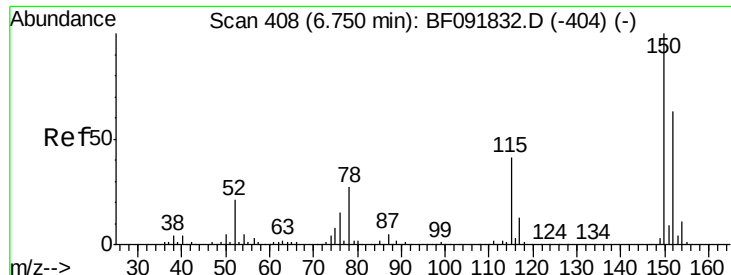
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091951.D

Acq: 24 Dec 2016 5:06

Instrument :

BNA_F

ClientSampleId :

W-14

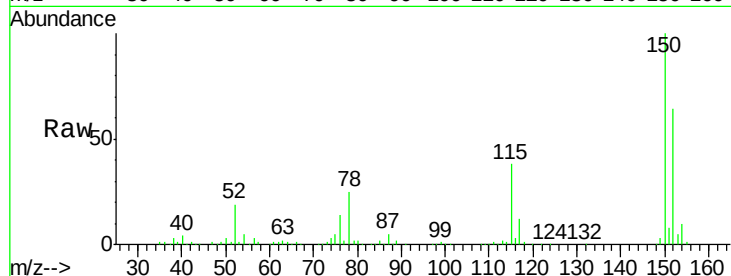
Tgt Ion:152 Resp: 241238

Ion Ratio Lower Upper

152 100

150 156.0 124.9 187.3

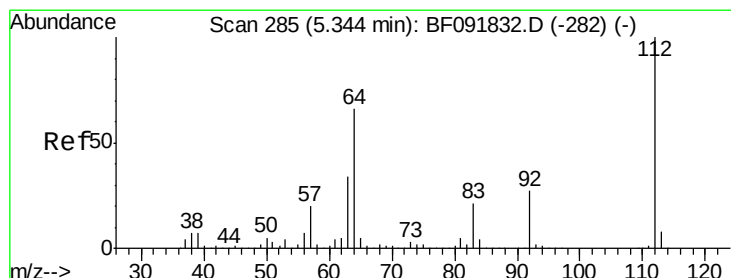
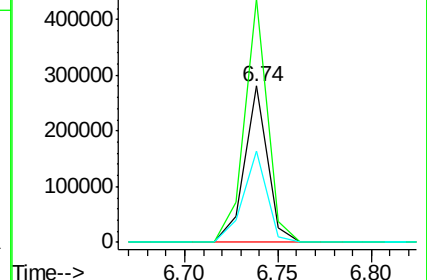
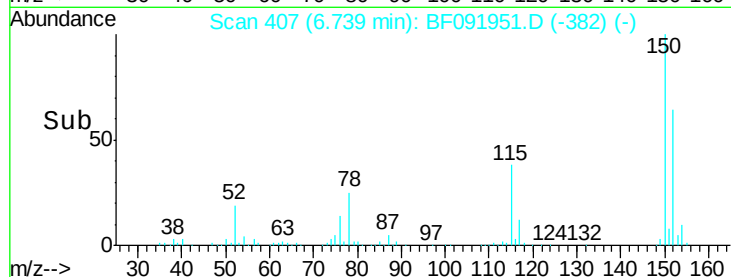
115 58.6 46.0 69.0



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: 71.73 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: BF091951.D

Acq: 24 Dec 2016 5:06

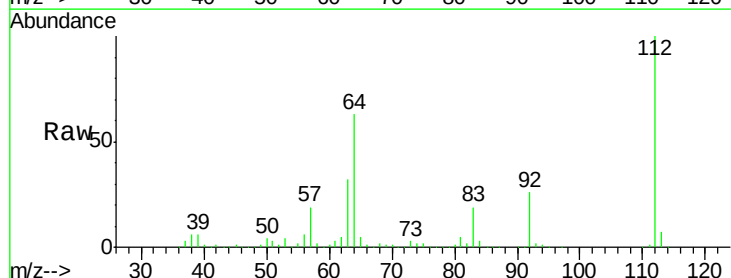
Tgt Ion:112 Resp: 1036318

Ion Ratio Lower Upper

112 100

64 63.2 46.1 69.1

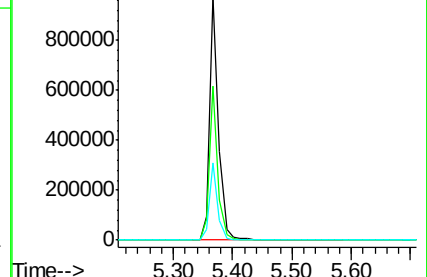
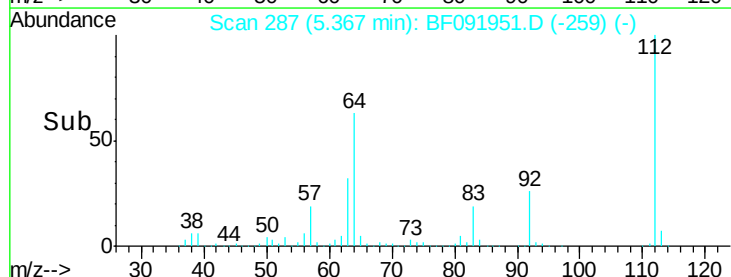
63 31.9 23.8 35.6

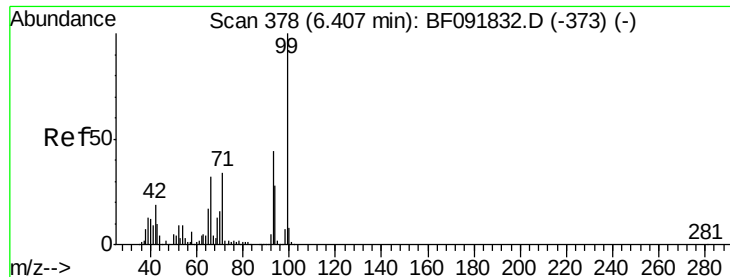


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 47.21 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF091951.D

Acq: 24 Dec 2016 5:06

Instrument :

BNA_F

ClientSampleId :

W-14

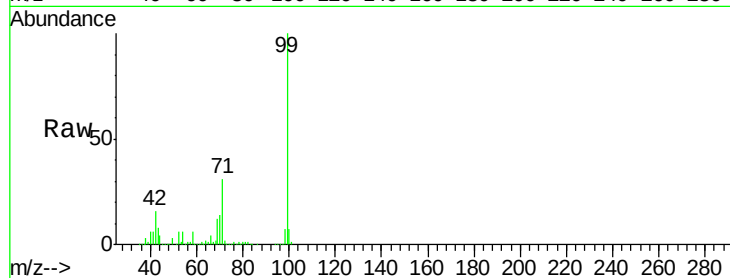
Tgt Ion: 99 Resp: 832823

Ion Ratio Lower Upper

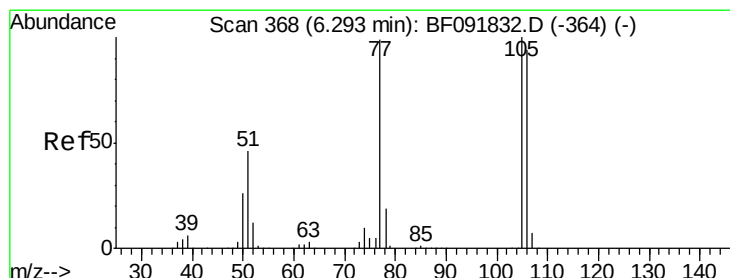
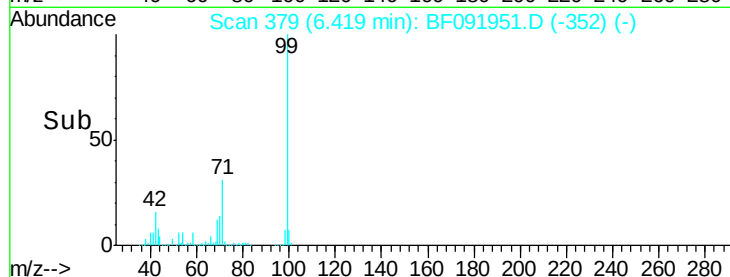
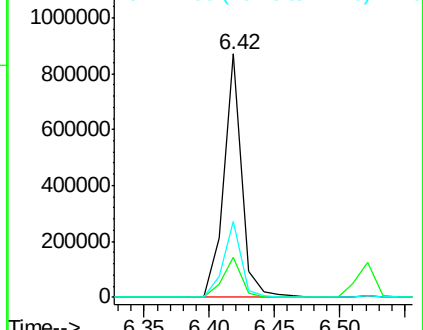
99 100

42 16.3 15.6 23.4

71 31.3 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



#9

Benzaldehyde

Concen: 2.76 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.23 min

Lab File: BF091951.D

Acq: 24 Dec 2016 5:06

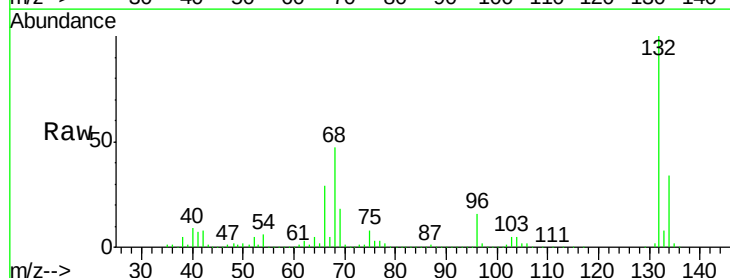
Tgt Ion: 77 Resp: 39332

Ion Ratio Lower Upper

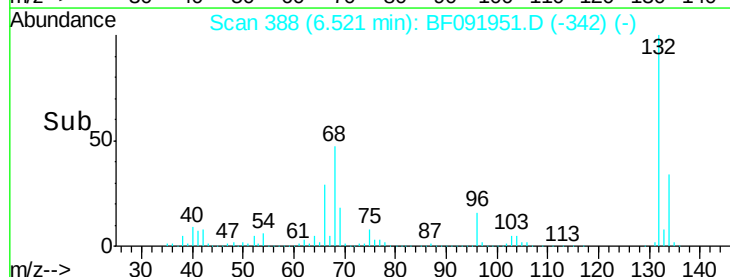
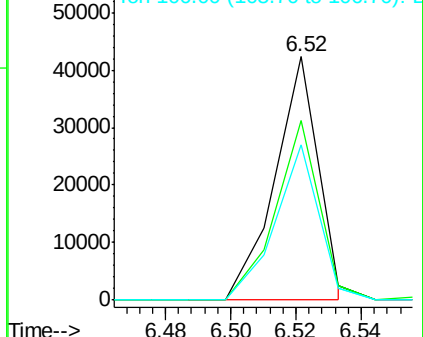
77 100

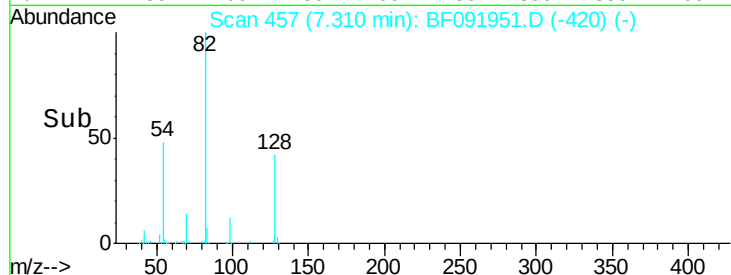
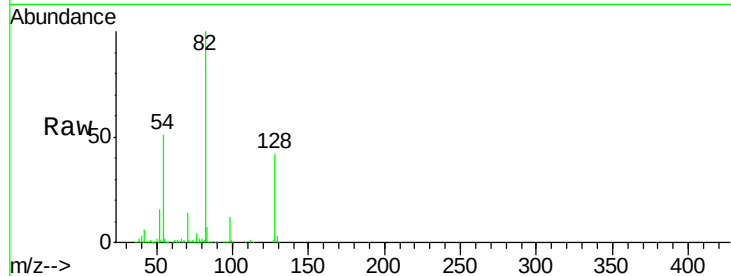
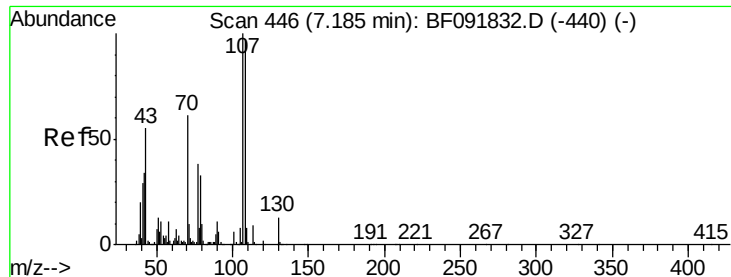
105 73.9 83.9 123.9#

106 63.6 77.6 117.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

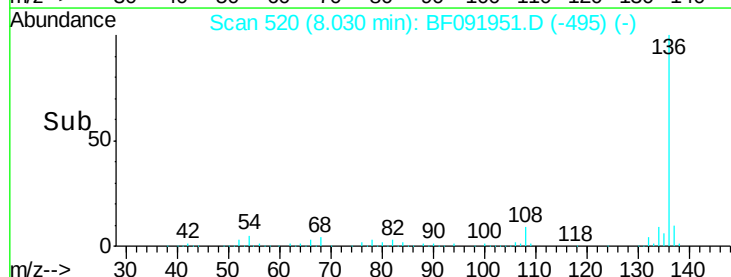
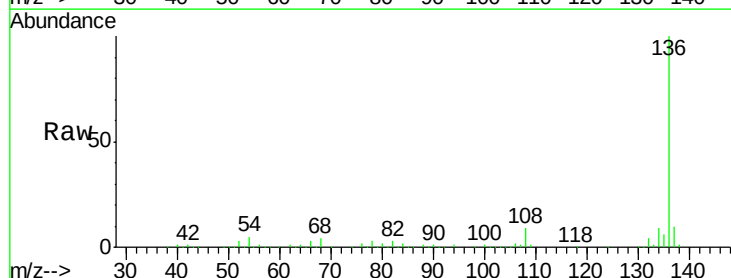
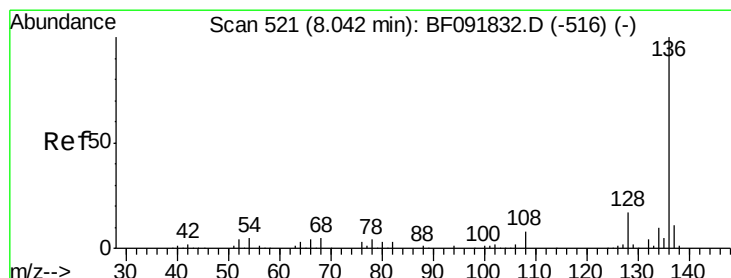
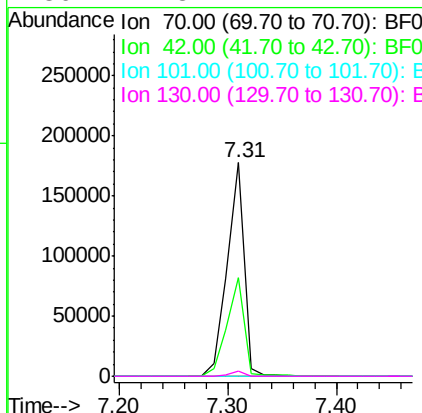




#19
n-Nitroso-di-n-propylamine
Concen: 16.30 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.13 min
Lab File: BF091951.D
Acq: 24 Dec 2016 5:06

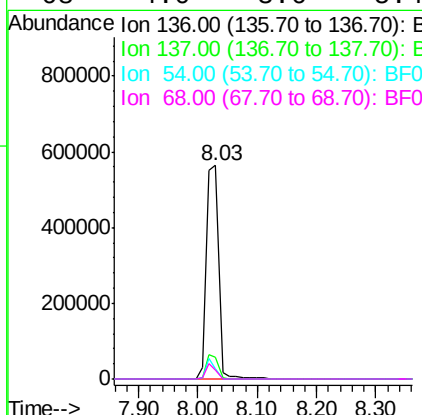
Instrument :
BNA_F
ClientSampled :
W-14

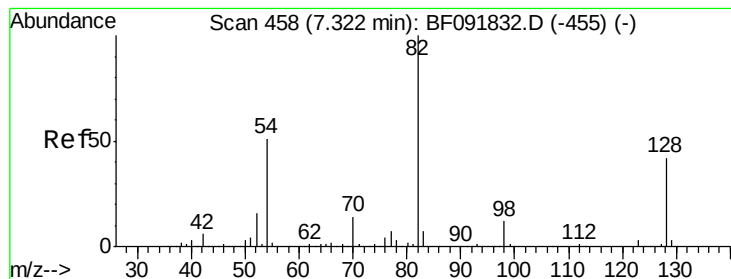
Tgt Ion: 70 Resp: 191223
Ion Ratio Lower Upper
70 100
42 46.2 49.4 74.0#
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091951.D
Acq: 24 Dec 2016 5:06

Tgt Ion: 136 Resp: 822566
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 5.0 4.5 6.7
68 4.0 3.6 5.4





#23

Nitrobenzene-d5

Concen: 94.23 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF091951.D

Acq: 24 Dec 2016 5:06

Instrument :

BNA_F

ClientSampleId :

W-14

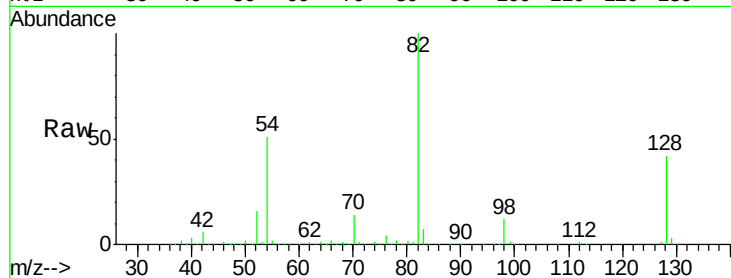
Tgt Ion: 82 Resp: 1393913

Ion Ratio Lower Upper

82 100

128 41.9 34.6 52.0

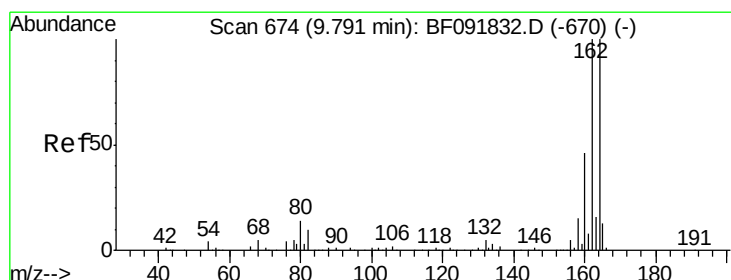
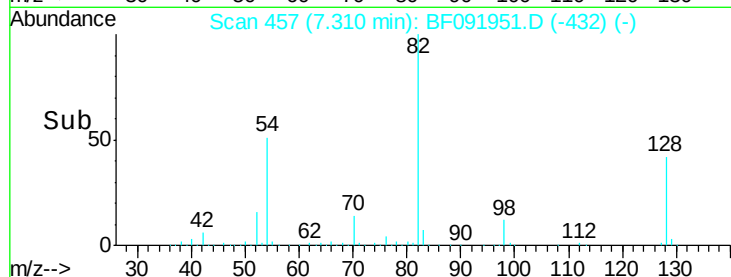
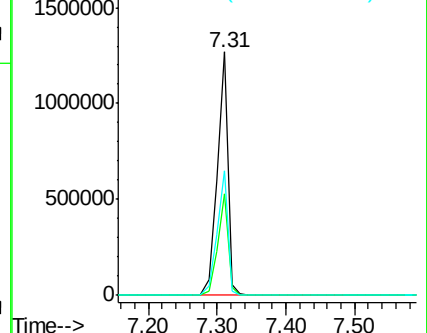
54 51.0 39.5 59.3



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: BF091951.D

Acq: 24 Dec 2016 5:06

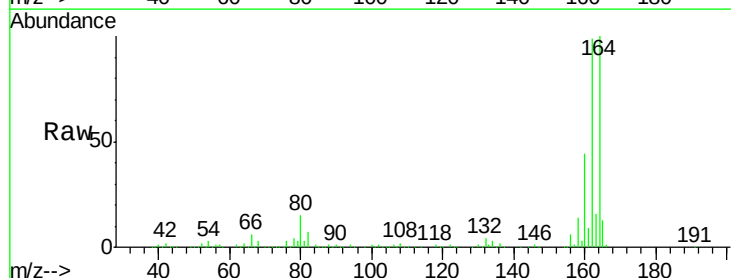
Tgt Ion: 164 Resp: 417851

Ion Ratio Lower Upper

164 100

162 99.0 80.2 120.2

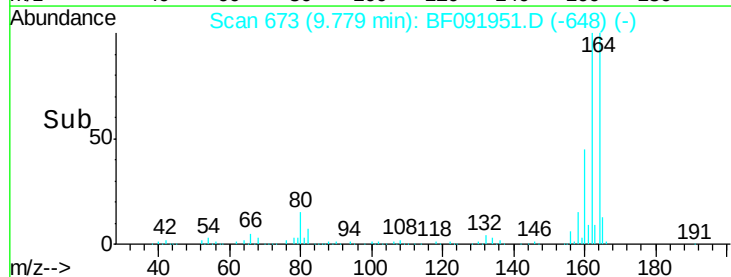
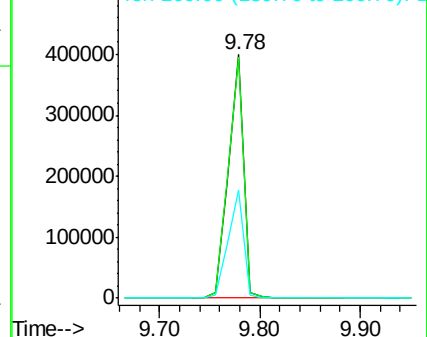
160 44.4 36.9 55.3

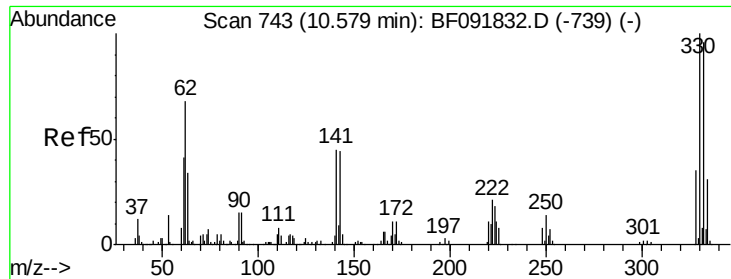


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

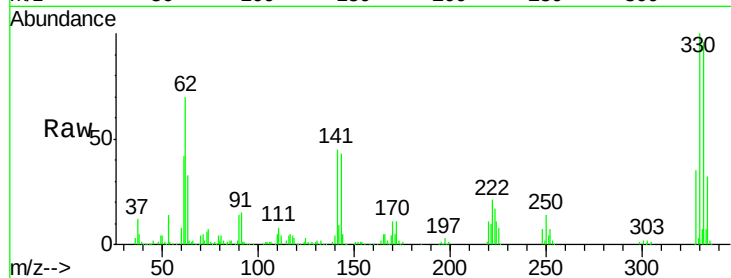




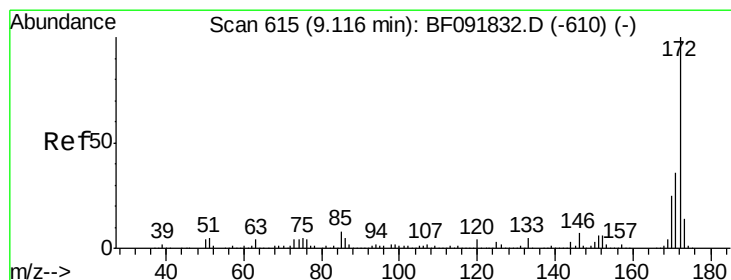
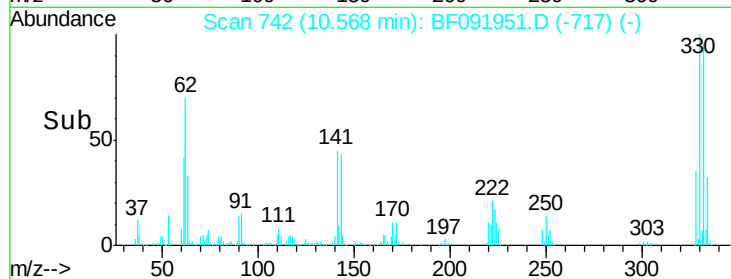
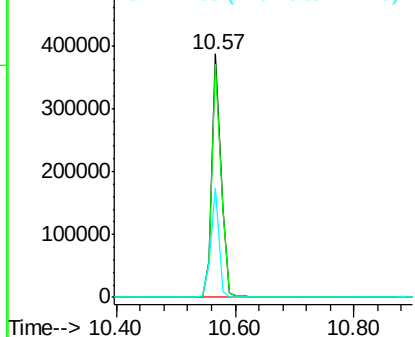
#41
 2,4,6-Tribromophenol
 Concen: 120.09 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091951.D
 Acq: 24 Dec 2016 5:06

Instrument :
 BNA_F
 ClientSampleId :
 W-14

Tgt Ion:330 Resp: 415277
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 40.2 34.1 51.1

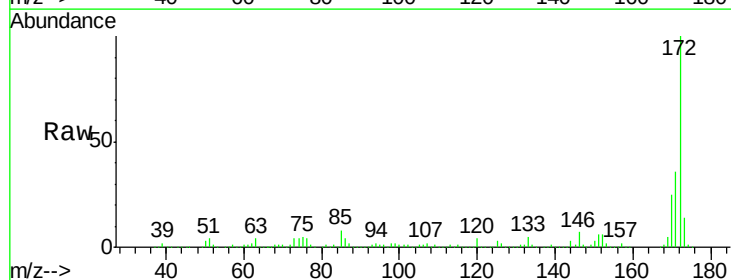


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

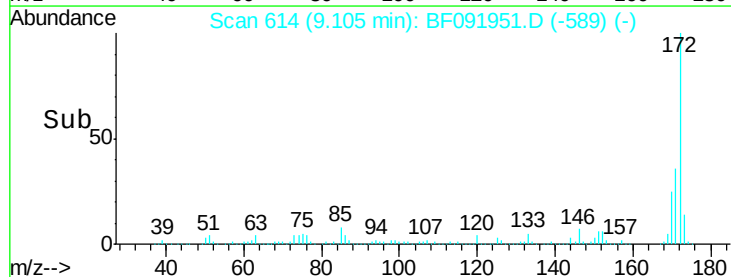
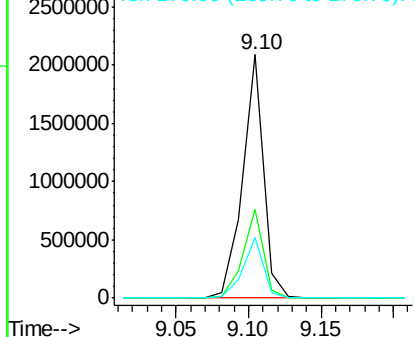


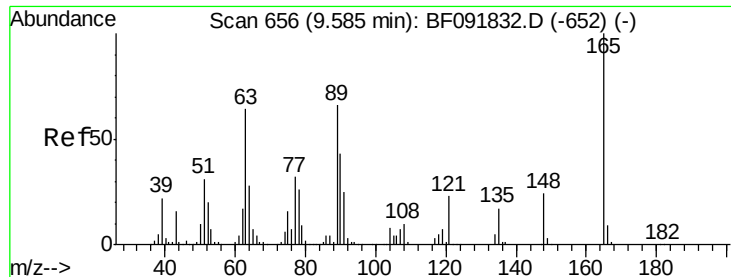
#44
 2-Fluorobiphenyl
 Concen: 105.53 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091951.D
 Acq: 24 Dec 2016 5:06

Tgt Ion:172 Resp: 2088664
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.8 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

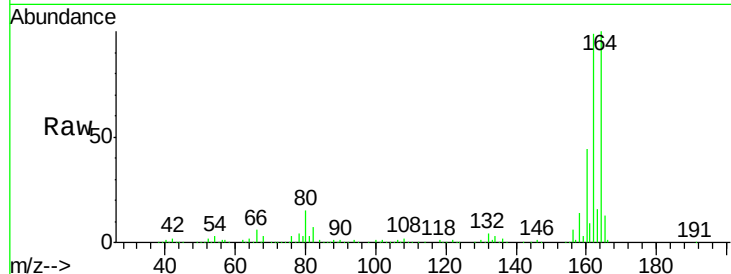




#50
 2,6-Dinitrotoluene
 Concen: 9.12 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.19 min
 Lab File: BF091951.D
 Acq: 24 Dec 2016 5:06

Instrument :
 BNA_F
 ClientSampleId :
 W-14

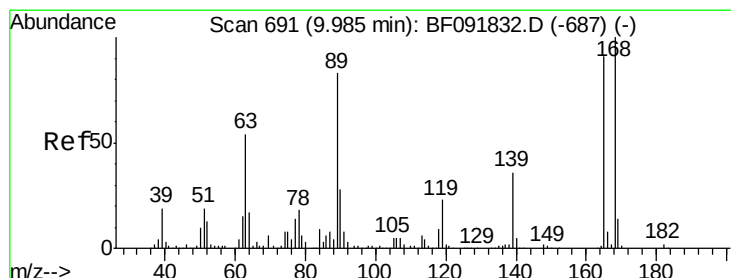
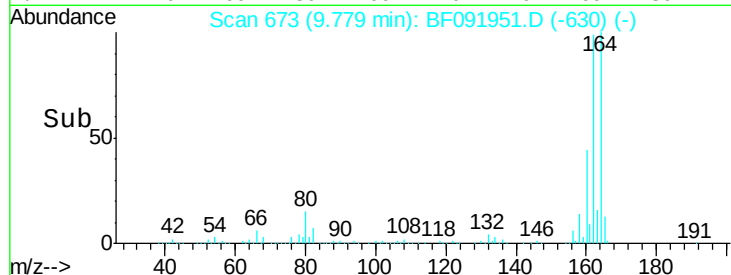
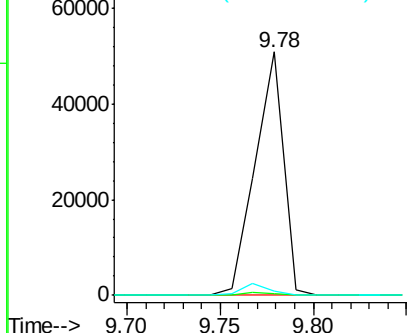
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.7	36.2	54.4#
89	1.7	40.2	60.4#



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: 7.27 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF091951.D
 Acq: 24 Dec 2016 5:06

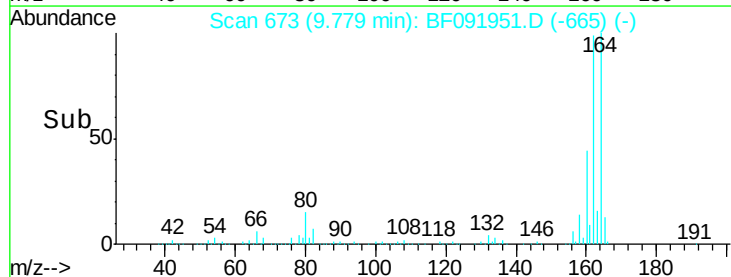
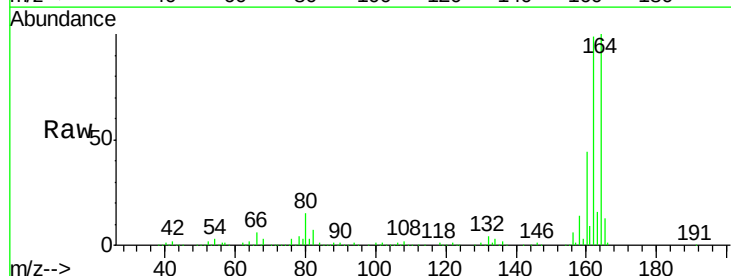
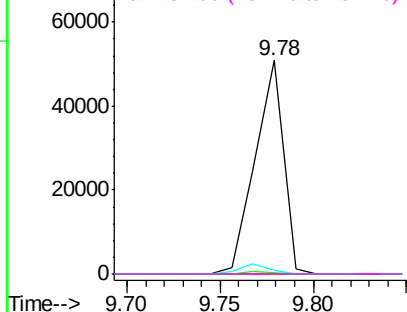
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.7	40.2	60.4#
89	1.7	62.5	93.7#
182	0.0	1.8	2.8#

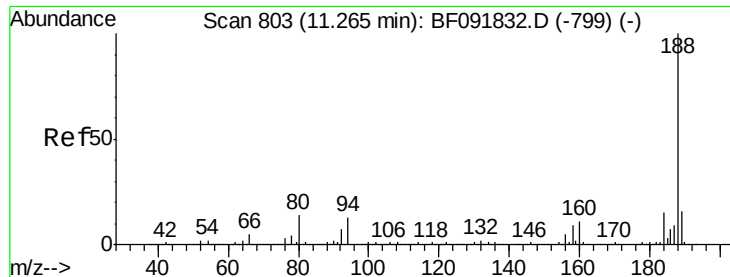
Abundance Ion 165.00 (164.70 to 165.70): E

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

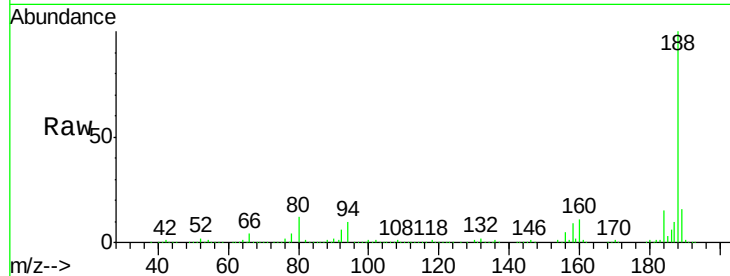




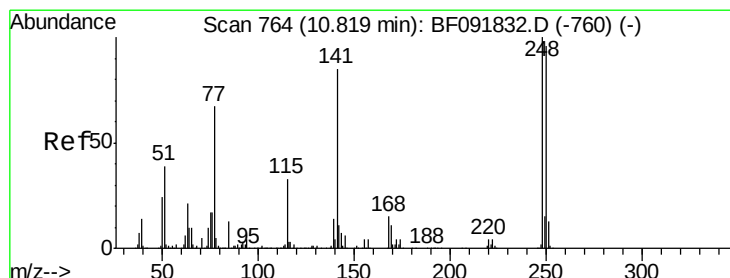
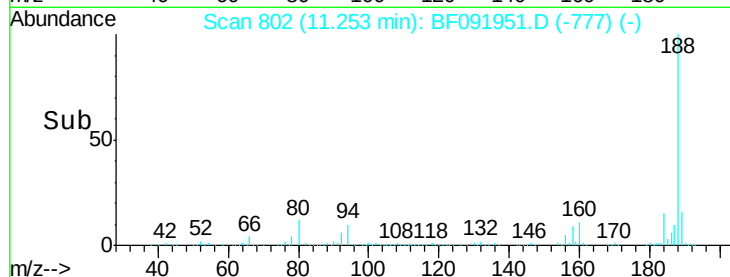
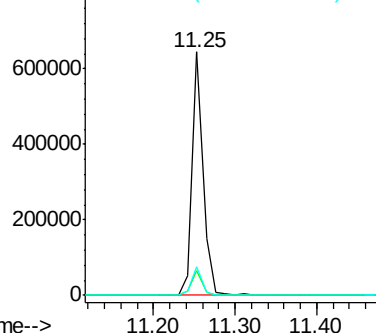
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF091951.D
Acq: 24 Dec 2016 5:06

Instrument :
BNA_F
ClientSampleId :
W-14

Tgt Ion:188 Resp: 594735
Ion Ratio Lower Upper
188 100
94 10.4 10.0 15.0
80 12.0 11.2 16.8

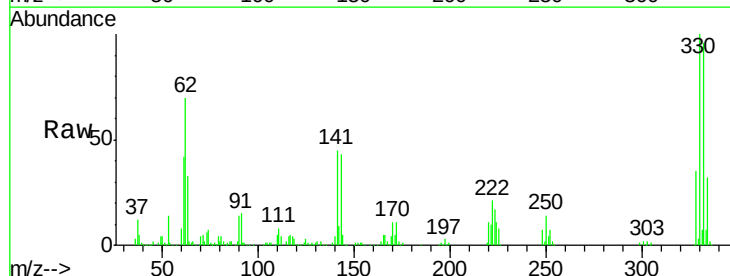


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

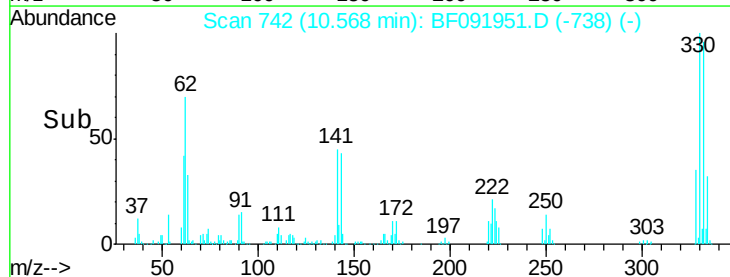
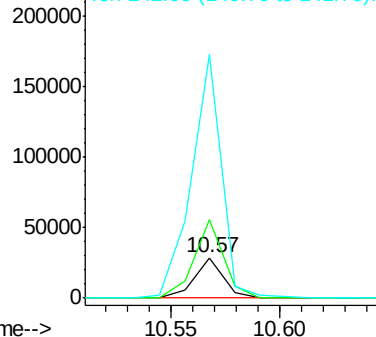


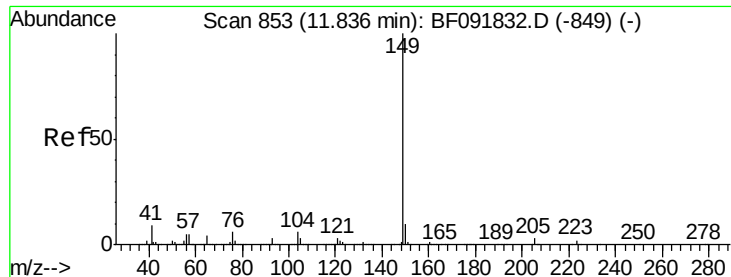
#66
4-Bromophenyl-phenylether
Concen: 4.34 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.25 min
Lab File: BF091951.D
Acq: 24 Dec 2016 5:06

Tgt Ion:248 Resp: 26848
Ion Ratio Lower Upper
248 100
250 195.6 76.9 115.3#
141 605.3 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: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091951.D

Acq: 24 Dec 2016 5:06

Instrument :

BNA_F

ClientSampleId :

W-14

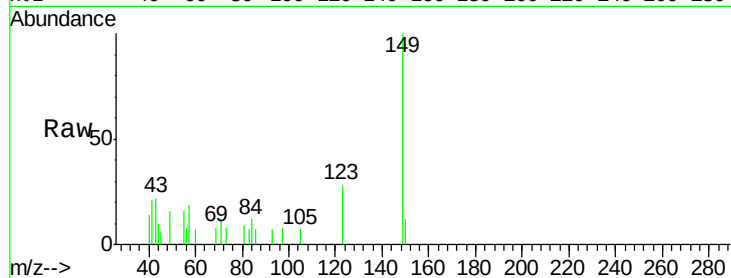
Tgt Ion:149 Resp: 4552

Ion Ratio Lower Upper

149 100

150 11.6 8.1 12.1

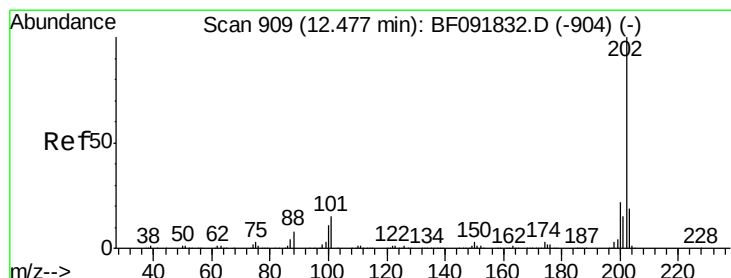
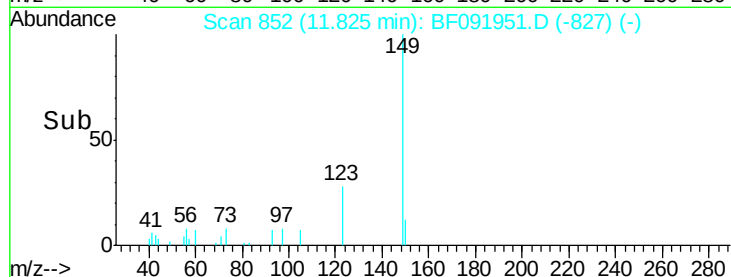
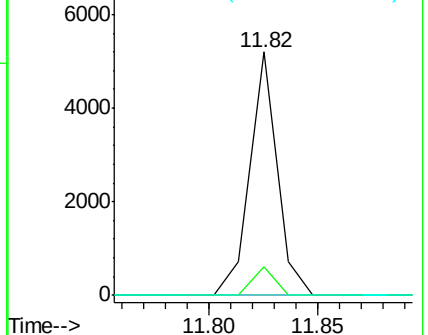
104 0.0 4.6 7.0#



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: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091951.D

Acq: 24 Dec 2016 5:06

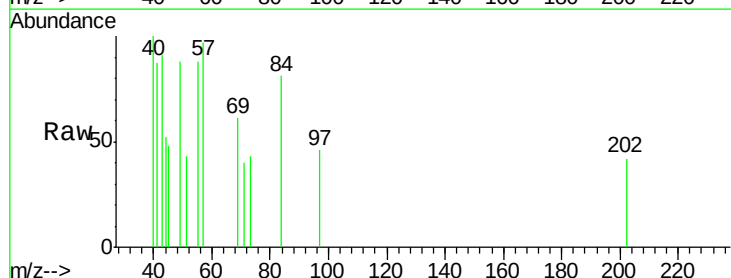
Tgt Ion:202 Resp: 213

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

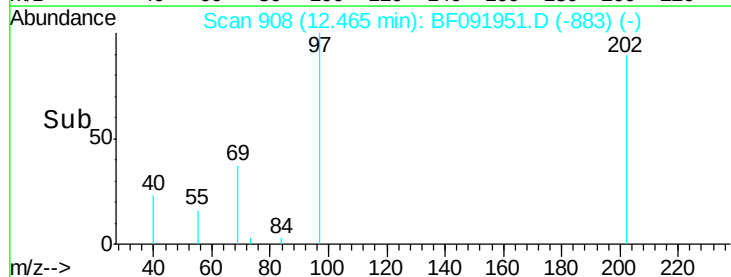
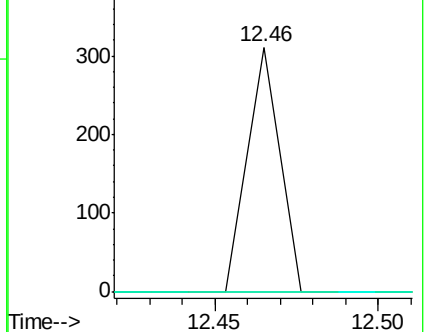
203 0.0 0.0 38.7

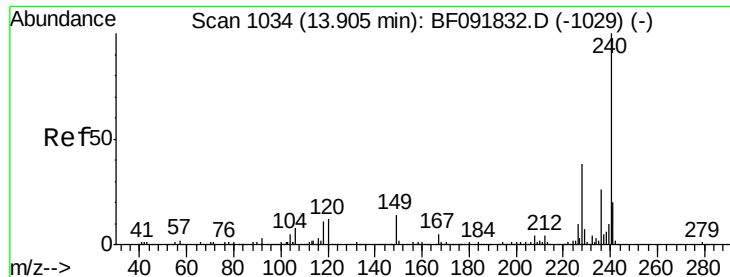


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF091951.D

Acq: 24 Dec 2016 5:06

Instrument :

BNA_F

ClientSampleId :

W-14

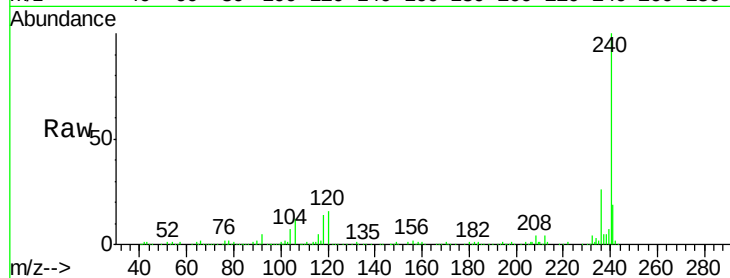
Tgt Ion:240 Resp: 414222

Ion Ratio Lower Upper

240 100

120 15.9 12.9 19.3

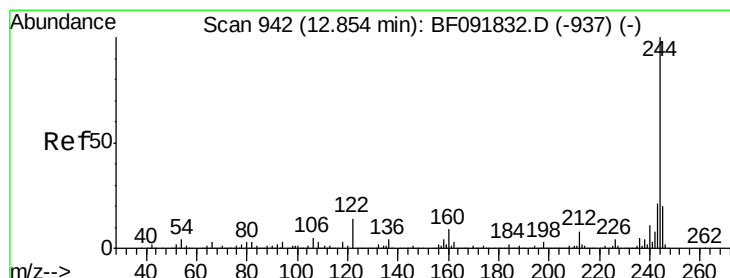
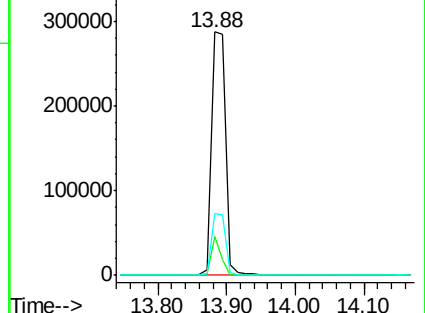
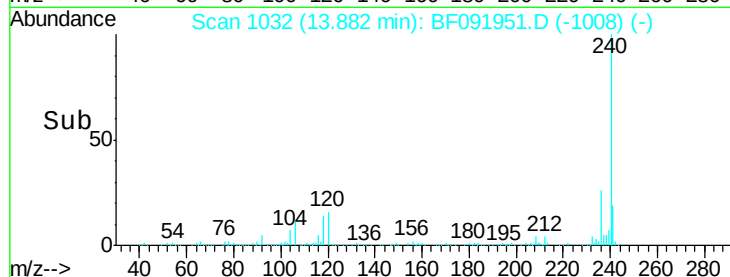
236 25.6 20.9 31.3



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: 87.03 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091951.D

Acq: 24 Dec 2016 5:06

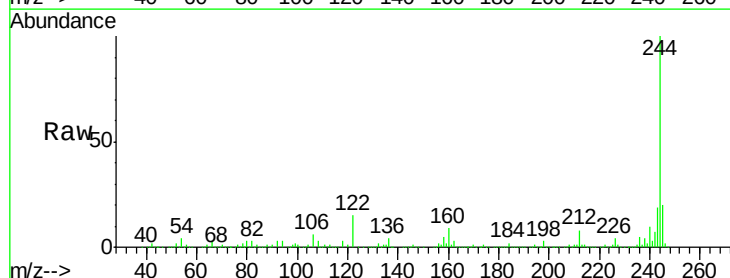
Tgt Ion:244 Resp: 1486472

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

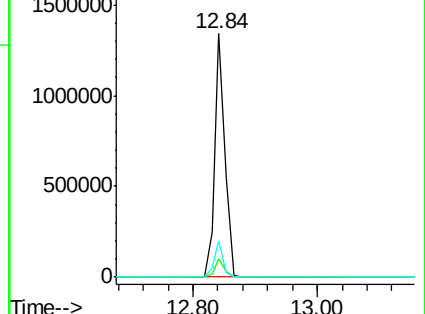
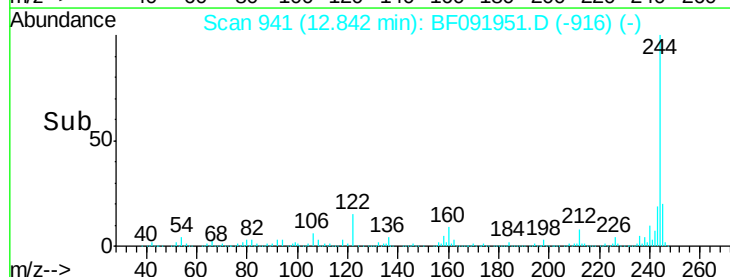
122 14.9 11.4 17.2

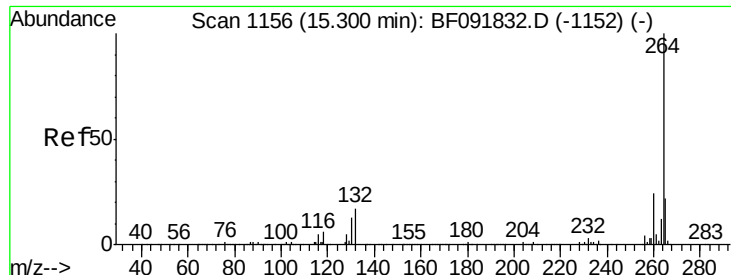


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

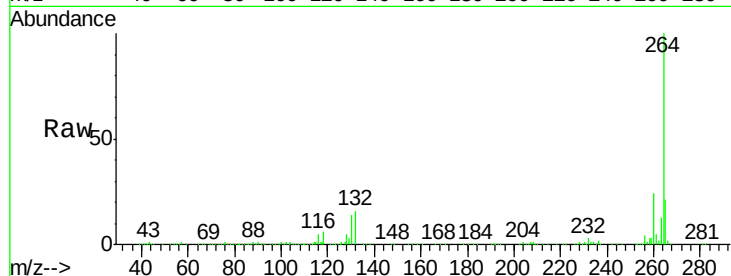




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091951.D
Acq: 24 Dec 2016 5:06

Instrument :
BNA_F
ClientSampleId :
W-14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.3	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

