

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091954.D
 Acq On : 24 Dec 2016 6:28
 Operator : UM/SJ
 Sample : H6156-05DL 25X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-8DL

Quant Time: Dec 24 23:22:50 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

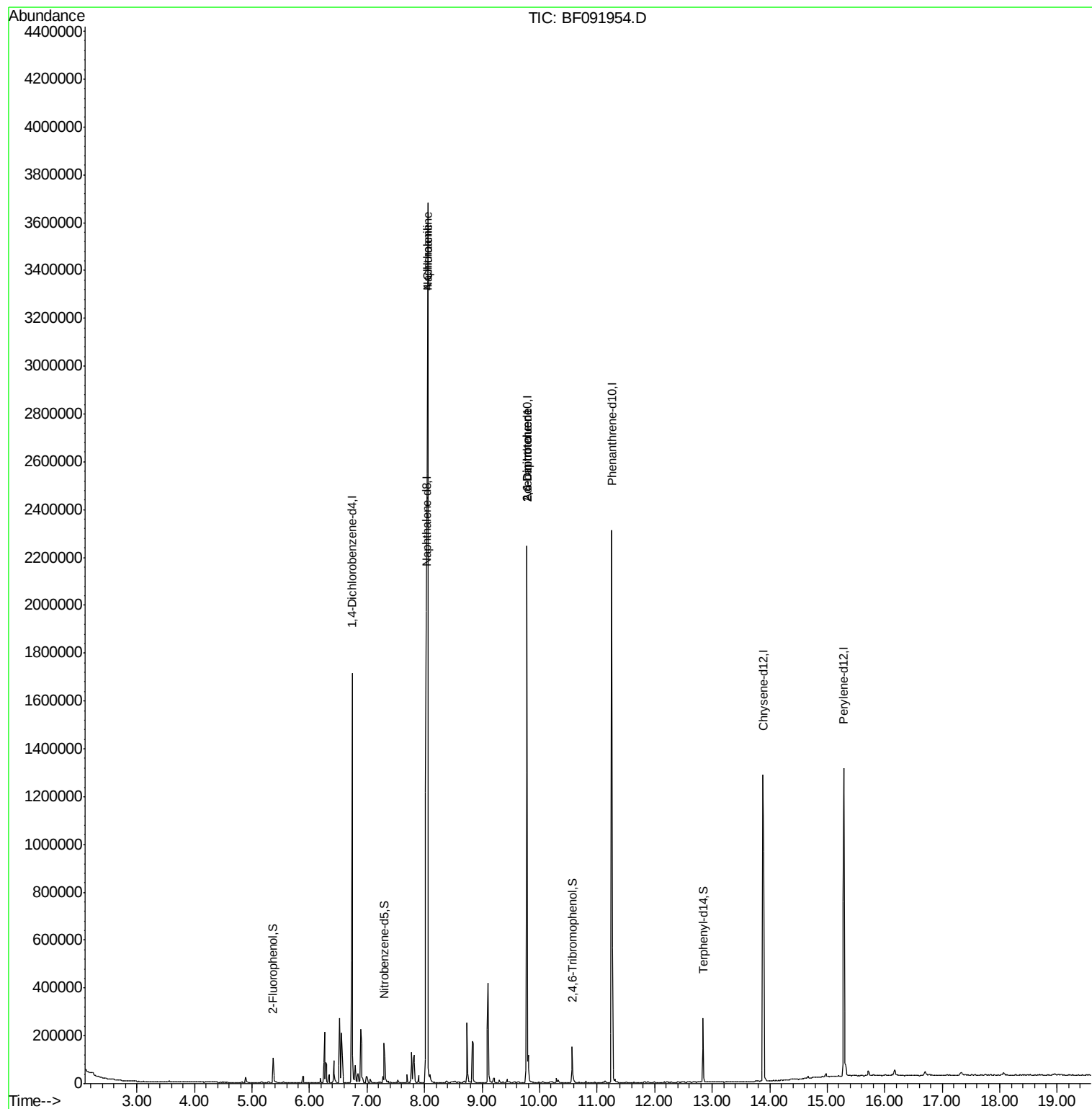
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	277122	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	1077682	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	612468	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	864849	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	602366	20.00	ng	-0.02
86) Perylene-d12	15.29	264	602957	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	40289	2.43	ng	0.02
7) Phenol-d6	6.42	99	31600	1.56	ng	0.01
23) Nitrobenzene-d5	7.30	82	74541	3.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	22697	4.48	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	176034	-8.26	ng	-0.01
78) Terphenyl-d14	12.84	244	105940	4.27	ng	-0.01
Target Compounds						
31) Naphthalene	8.05	128	2254711	45.71	ng	Qvalue 99
33) 4-Chloroaniline	8.05	127	298868	13.44	ng	# 33
50) 2,6-Dinitrotoluene	9.78	165	78971	9.21	ng	# 30
56) 2,4-Dinitrotoluene	9.78	165	78965	7.34	ng	# 19
71) Anthracene	11.28	178	6469	Below	Cal	97
73) Di-n-butylphthalate	11.82	149	1001	Below	Cal	# 76
74) Fluoranthene	12.46	202	879	Below	Cal	61
76) Benzidine	12.61	184	275	Below	Cal	# 65

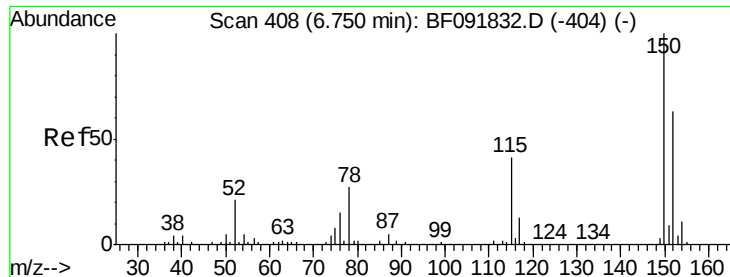
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 21 16:17:51 2016
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: BF091954.D

Acq: 24 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

MW-8DL

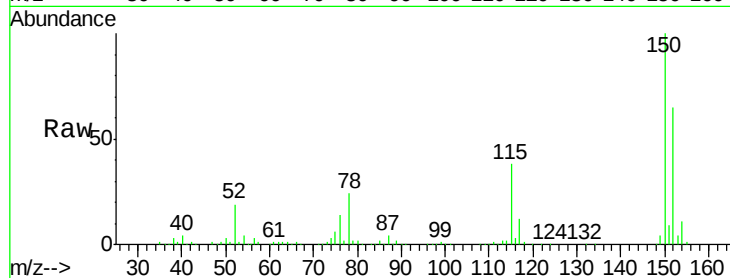
Tgt Ion:152 Resp: 277122

Ion Ratio Lower Upper

152 100

150 154.7 124.9 187.3

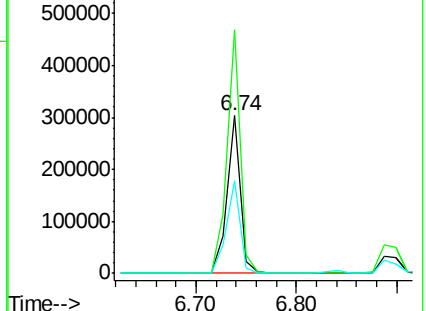
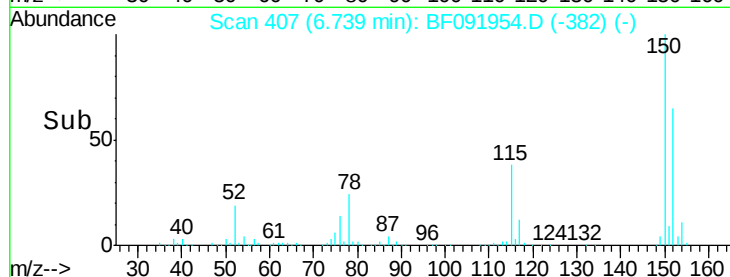
115 58.7 46.0 69.0



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: 2.43 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: BF091954.D

Acq: 24 Dec 2016 6:28

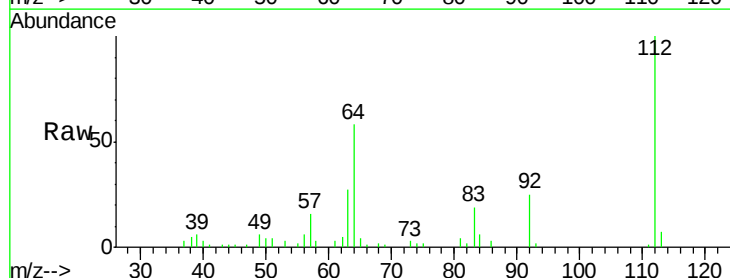
Tgt Ion:112 Resp: 40289

Ion Ratio Lower Upper

112 100

64 58.2 46.1 69.1

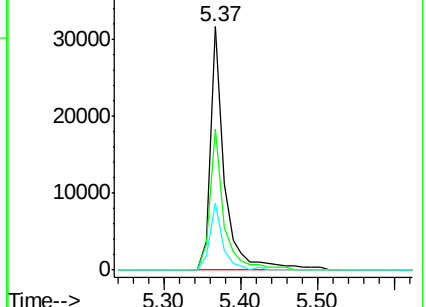
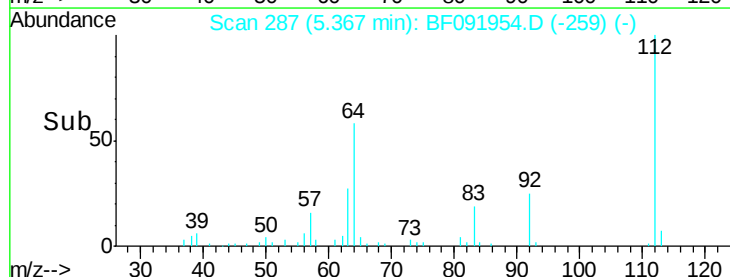
63 27.4 23.8 35.6



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: 1.56 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF091954.D

Acq: 24 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

MW-8DL

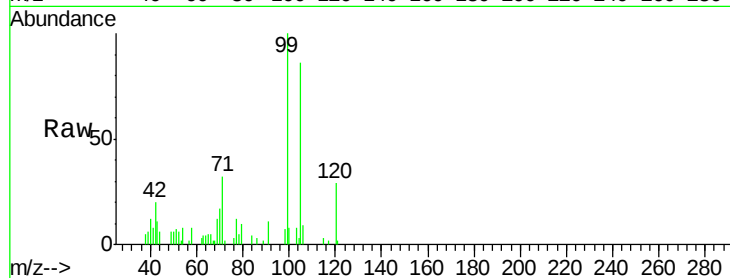
Tgt Ion: 99 Resp: 31600

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

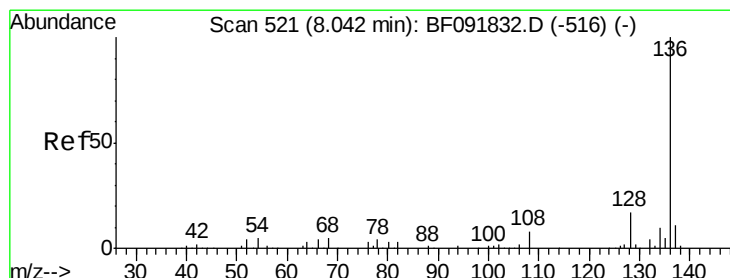
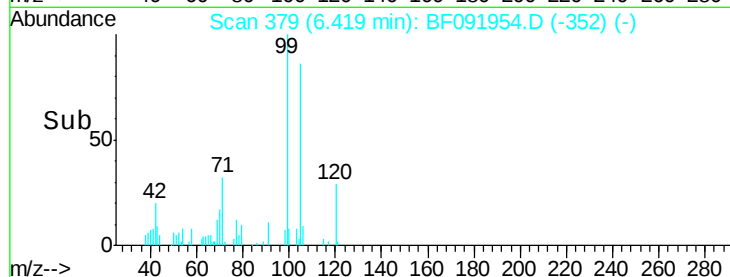
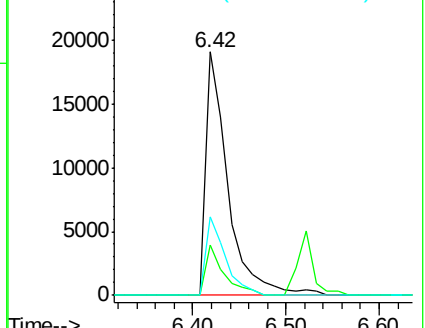
71 32.1 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091954.D

Acq: 24 Dec 2016 6:28

Tgt Ion: 136 Resp: 1077682

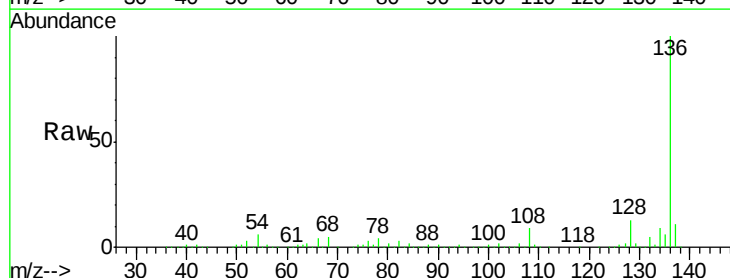
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 6.0 4.5 6.7

68 4.9 3.6 5.4

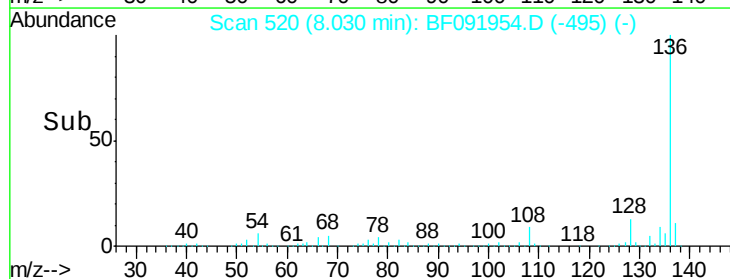
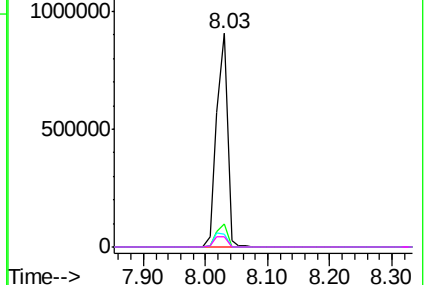


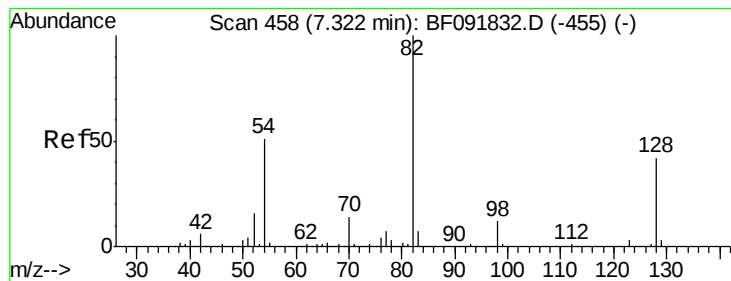
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.85 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF091954.D

Acq: 24 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

MW-8DL

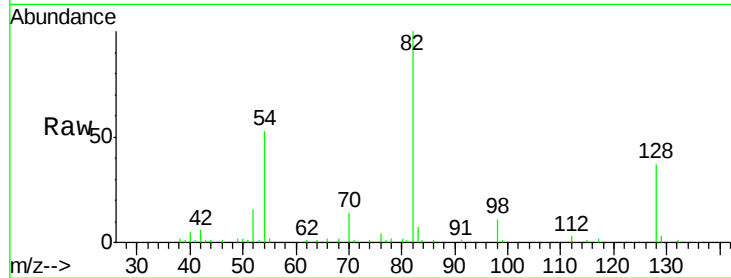
Tgt Ion: 82 Resp: 74541

Ion Ratio Lower Upper

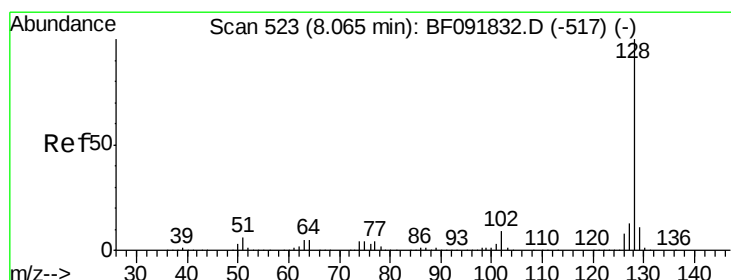
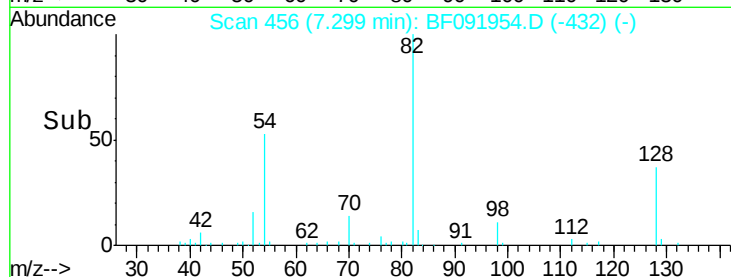
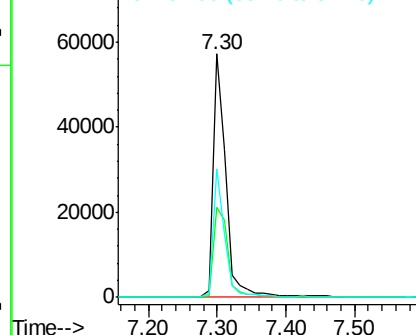
82 100

128 37.2 34.6 52.0

54 52.8 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



#31

Naphthalene

Concen: 45.71 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091954.D

Acq: 24 Dec 2016 6:28

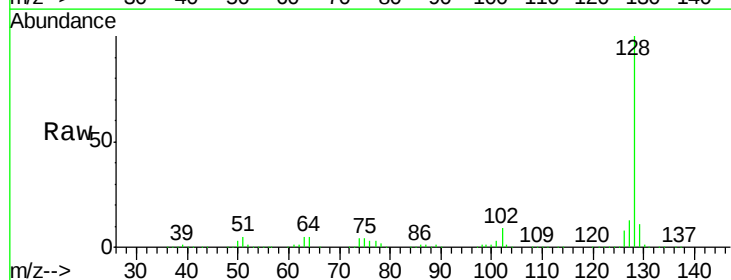
Tgt Ion: 128 Resp: 2254711

Ion Ratio Lower Upper

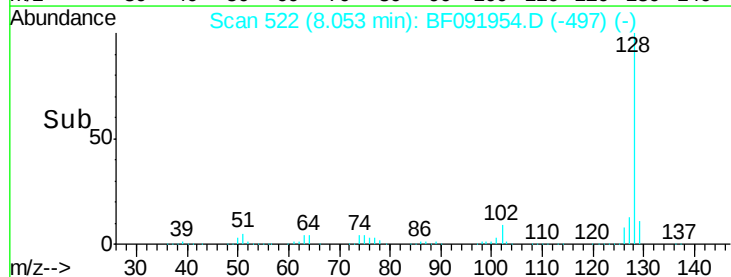
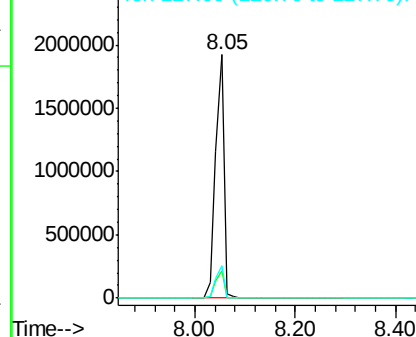
128 100

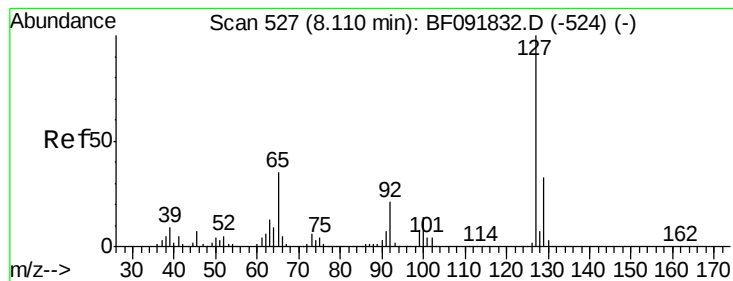
129 11.3 9.5 14.3

127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#33

4-Chloroaniline

Concen: 13.44 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.06 min

Lab File: BF091954.D

Acq: 24 Dec 2016 6:28

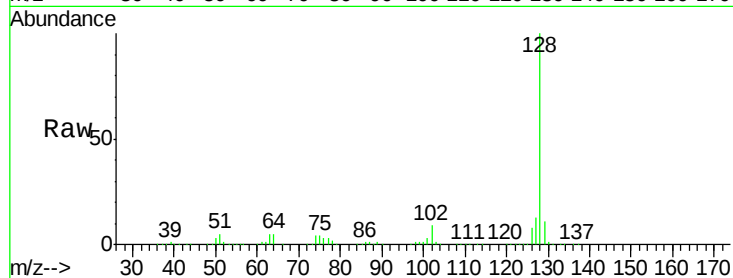
Instrument :

BNA_F

ClientSampleId :

MW-8DL

Tgt Ion:	127	Resp:	298868
Ion Ratio	Lower	Upper	
127	100		
129	84.0	26.3	39.5#
65	0.0	25.8	38.8#
92	0.0	16.1	24.1#

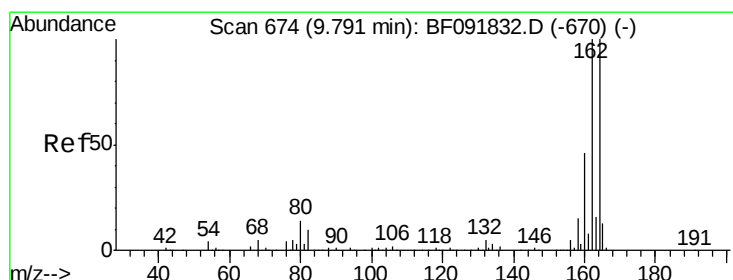
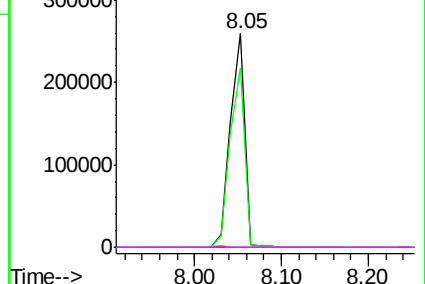
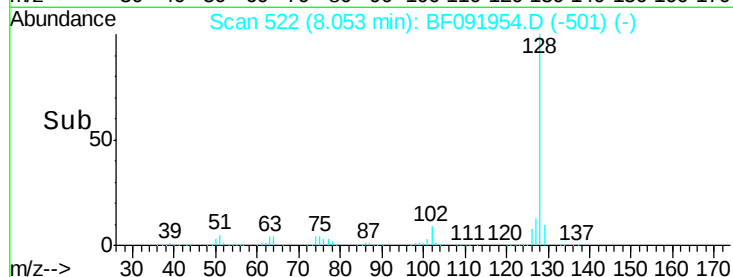


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

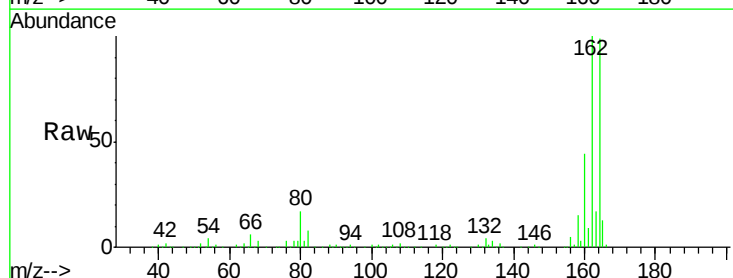
RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091954.D

Acq: 24 Dec 2016 6:28

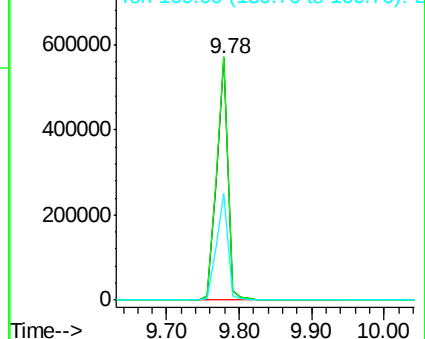
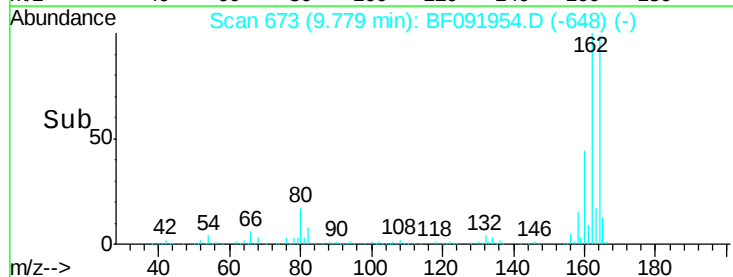
Tgt Ion:	164	Resp:	612468
Ion Ratio	Lower	Upper	
164	100		
162	100.6	80.2	120.2
160	44.3	36.9	55.3

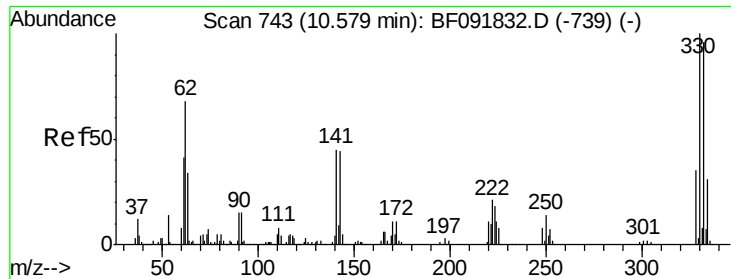


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

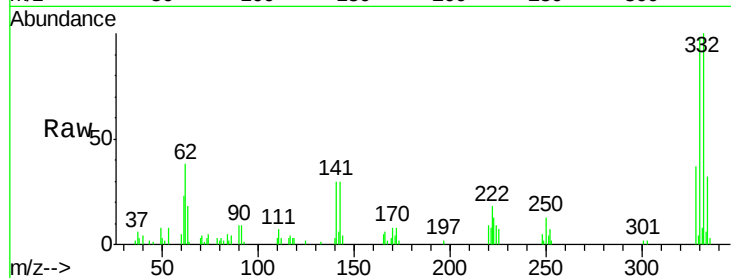




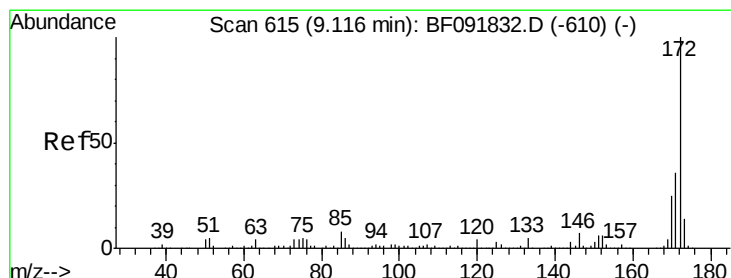
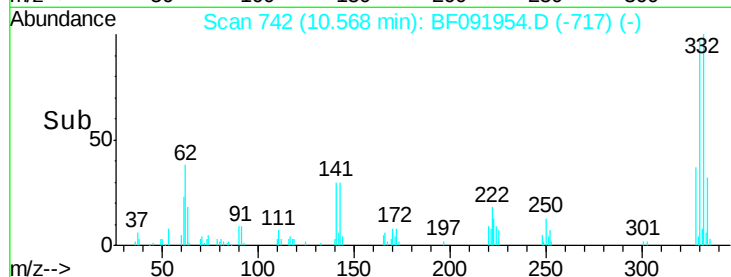
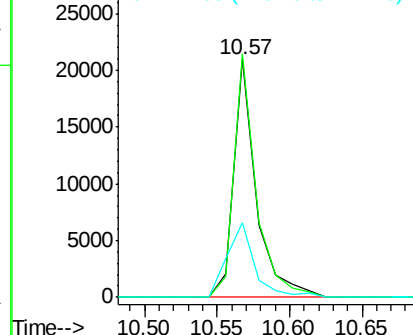
#41
 2,4,6-Tribromophenol
 Concen: 4.48 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091954.D
 Acq: 24 Dec 2016 6:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-8DL

Tgt Ion:330 Resp: 22697
 Ion Ratio Lower Upper
 330 100
 332 100.0 77.4 116.2
 141 38.4 34.1 51.1

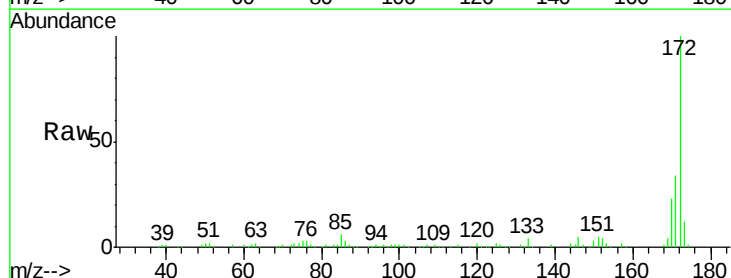


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

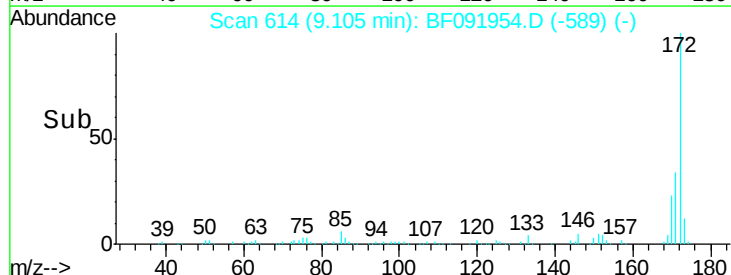
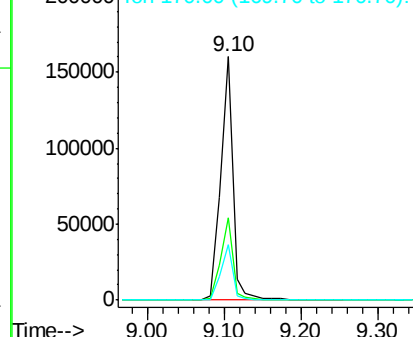


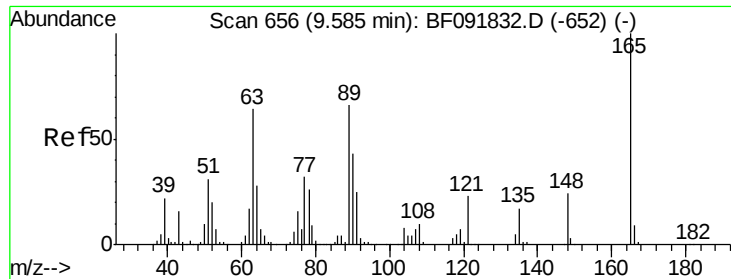
#44
 2-Fluorobiphenyl
 Concen: -8.26 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091954.D
 Acq: 24 Dec 2016 6:28

Tgt Ion:172 Resp: 176034
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.4 44.0
 170 22.6 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: 9.21 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.19 min

Lab File: BF091954.D

Acq: 24 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

MW-8DL

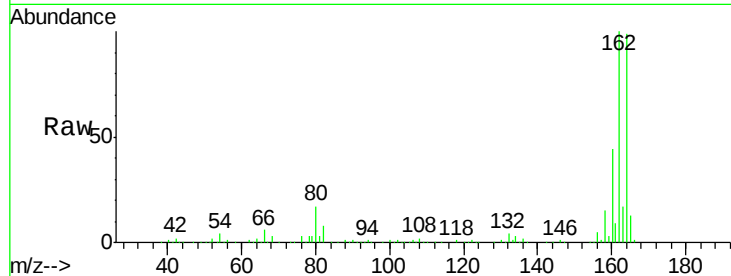
Tgt Ion:165 Resp: 78971

Ion Ratio Lower Upper

165 100

63 0.6 36.2 54.4#

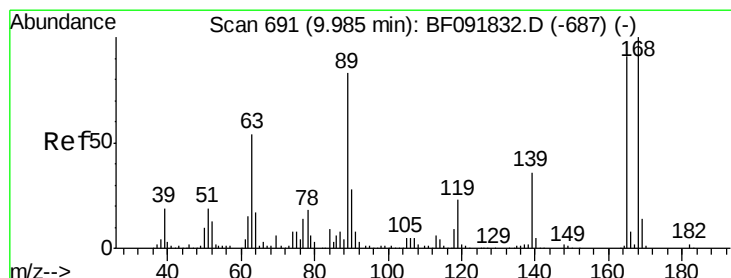
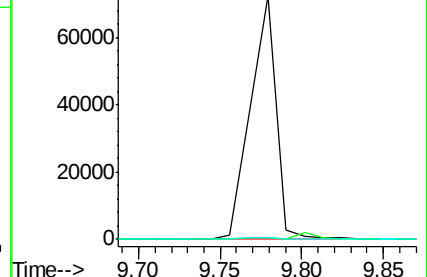
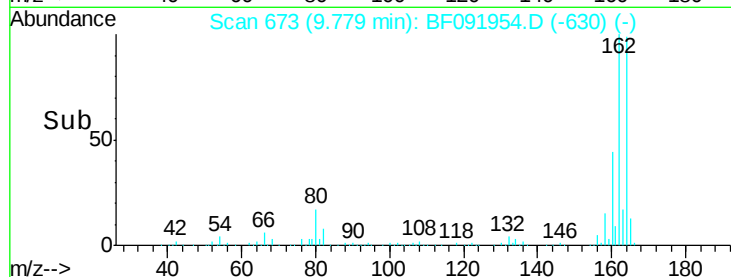
89 0.9 40.2 60.4#



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: 7.34 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF091954.D

Acq: 24 Dec 2016 6:28

Tgt Ion:165 Resp: 78965

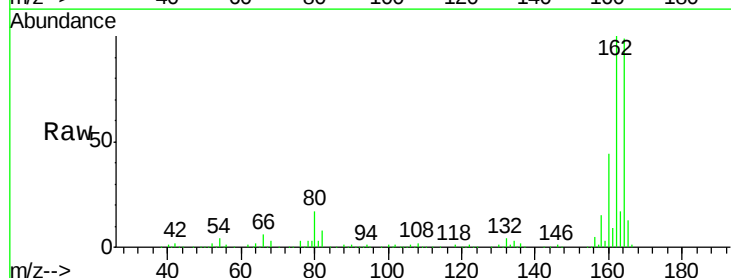
Ion Ratio Lower Upper

165 100

63 0.6 40.2 60.4#

89 0.9 62.5 93.7#

182 0.0 1.8 2.8#

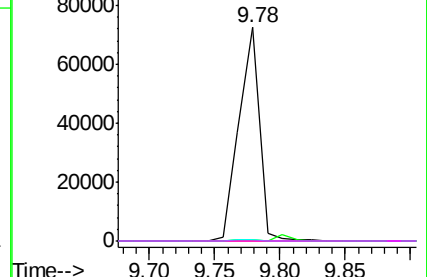
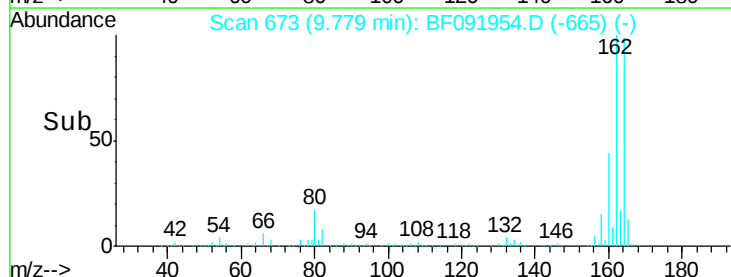


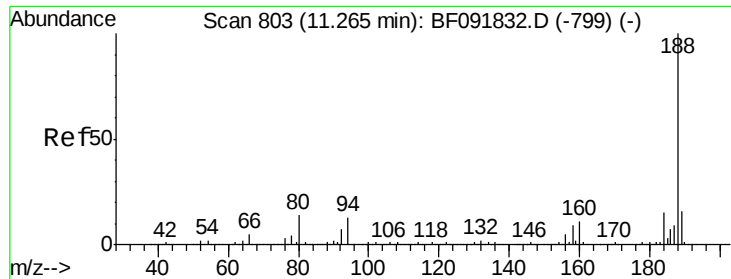
Abundance Ion 165.00 (164.70 to 165.70): E

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

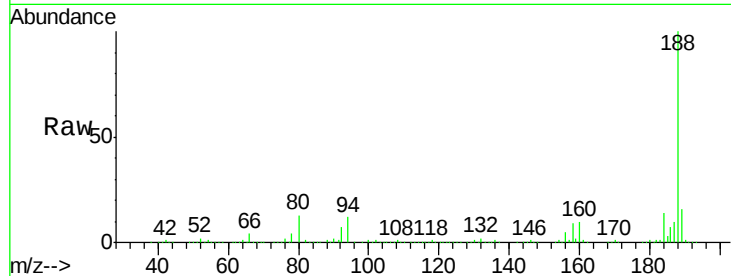




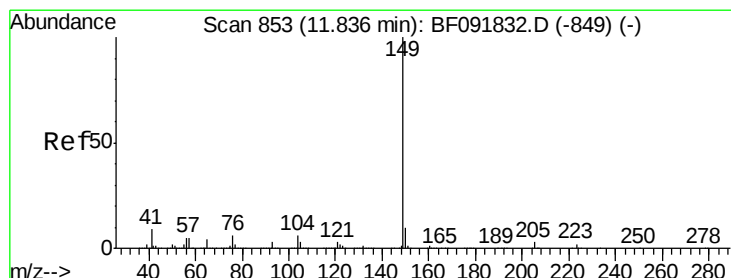
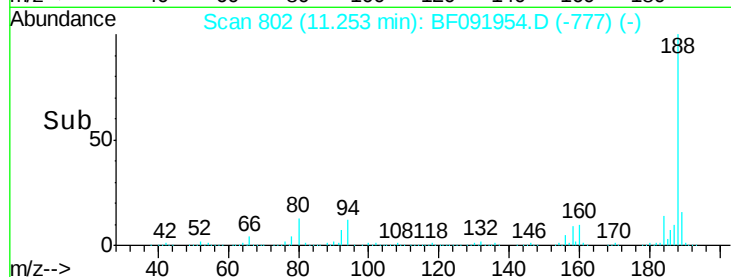
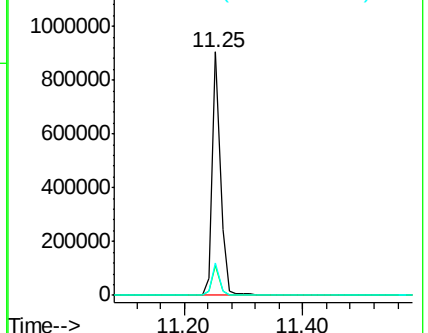
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF091954.D
Acq: 24 Dec 2016 6:28

Instrument :
BNA_F
ClientSampleId :
MW-8DL

Tgt Ion:188 Resp: 864849
Ion Ratio Lower Upper
188 100
94 12.2 10.0 15.0
80 13.3 11.2 16.8

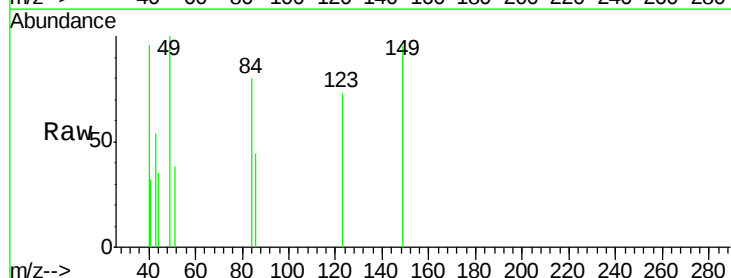


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

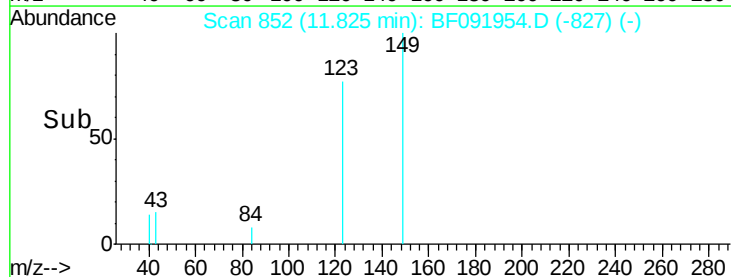
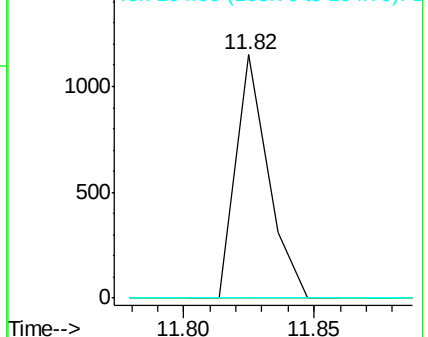


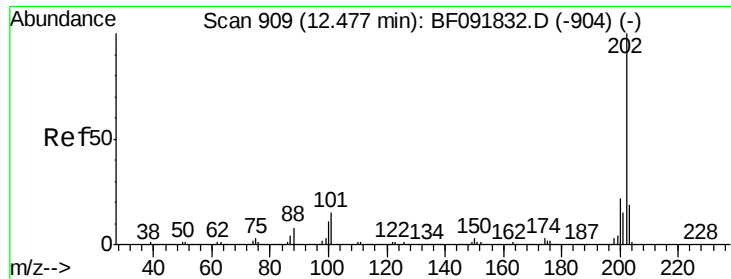
#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.82 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF091954.D
Acq: 24 Dec 2016 6:28

Tgt Ion:149 Resp: 1001
Ion Ratio Lower Upper
149 100
150 0.0 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: BF091954.D

Acq: 24 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

MW-8DL

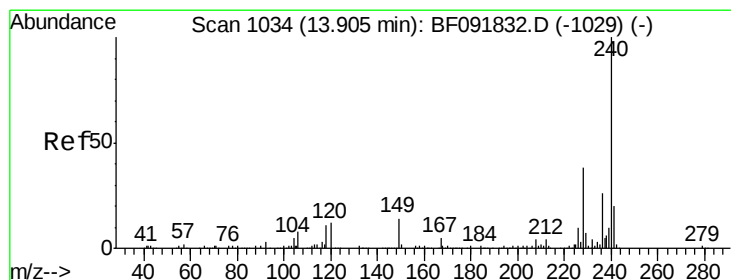
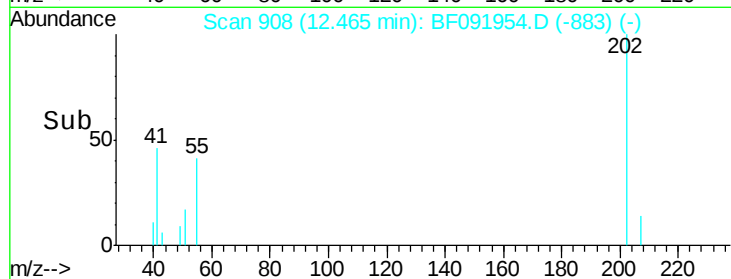
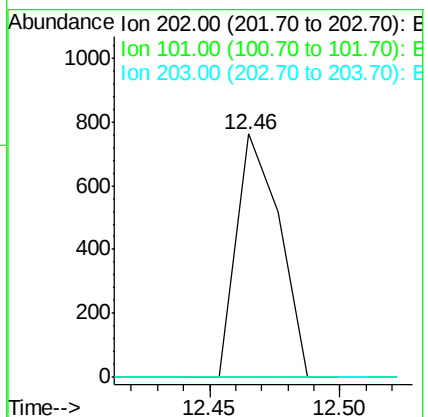
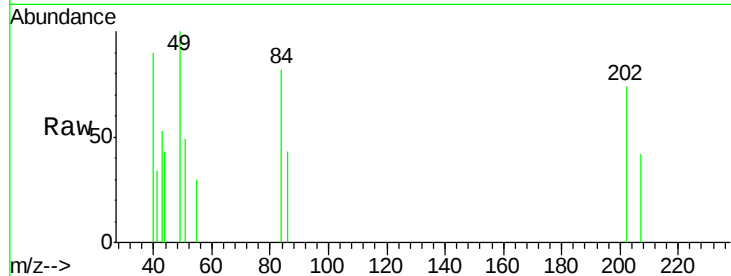
Tgt Ion: 202 Resp: 879

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

203 0.0 0.0 38.7



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091954.D

Acq: 24 Dec 2016 6:28

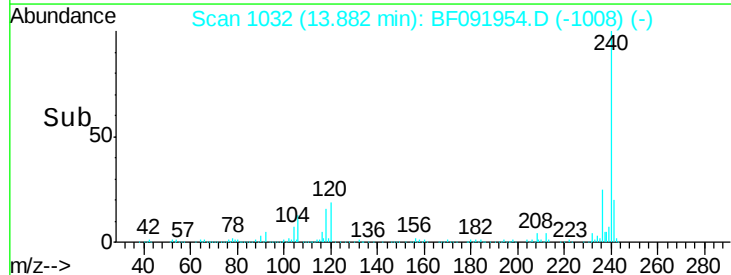
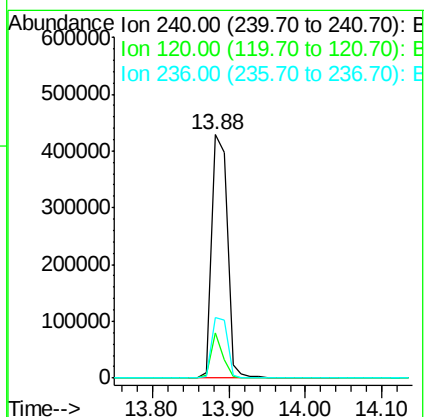
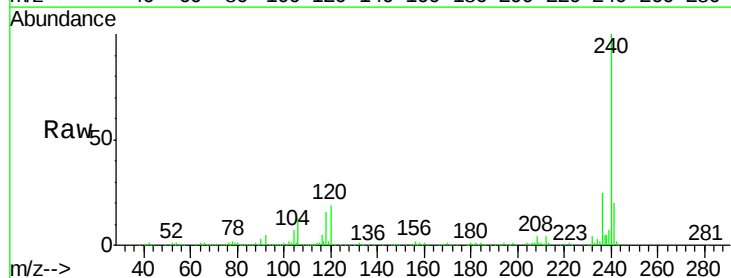
Tgt Ion: 240 Resp: 602366

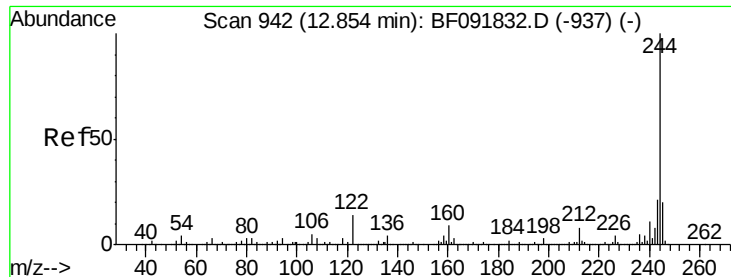
Ion Ratio Lower Upper

240 100

120 18.6 12.9 19.3

236 24.8 20.9 31.3

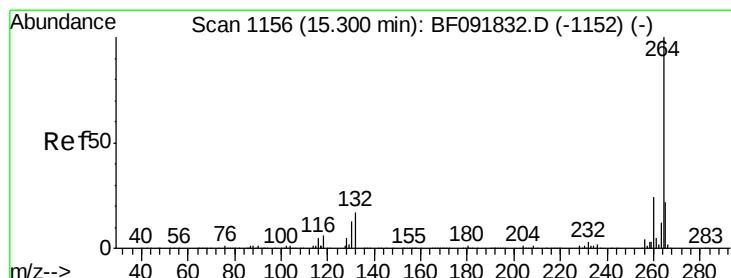
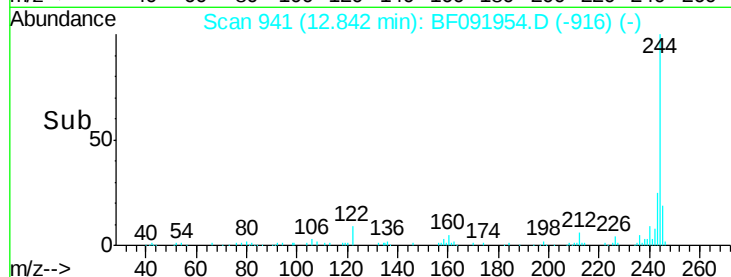
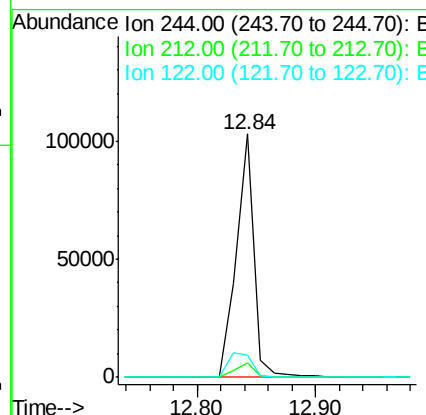
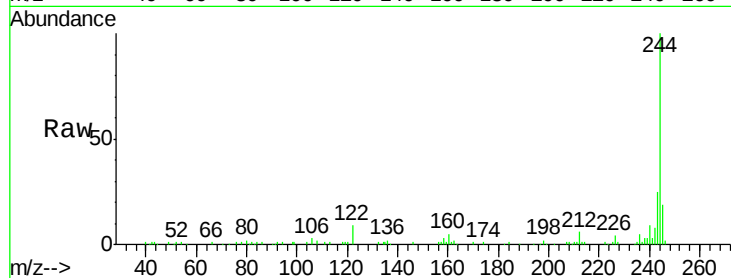




#78
 Terphenyl-d14
 Concen: 4.27 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF091954.D
 Acq: 24 Dec 2016 6:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-8DL

Tgt Ion: 244 Resp: 105940
 Ion Ratio Lower Upper
 244 100
 212 5.7 6.2 9.2#
 122 8.9 11.4 17.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF091954.D
 Acq: 24 Dec 2016 6:28

Tgt Ion: 264 Resp: 602957
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.8 17.4 26.0

