

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091957.D
 Acq On : 24 Dec 2016 7:49
 Operator : UM/SJ
 Sample : H6156-08DL 500X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11CDL

Quant Time: Dec 24 23:41:25 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

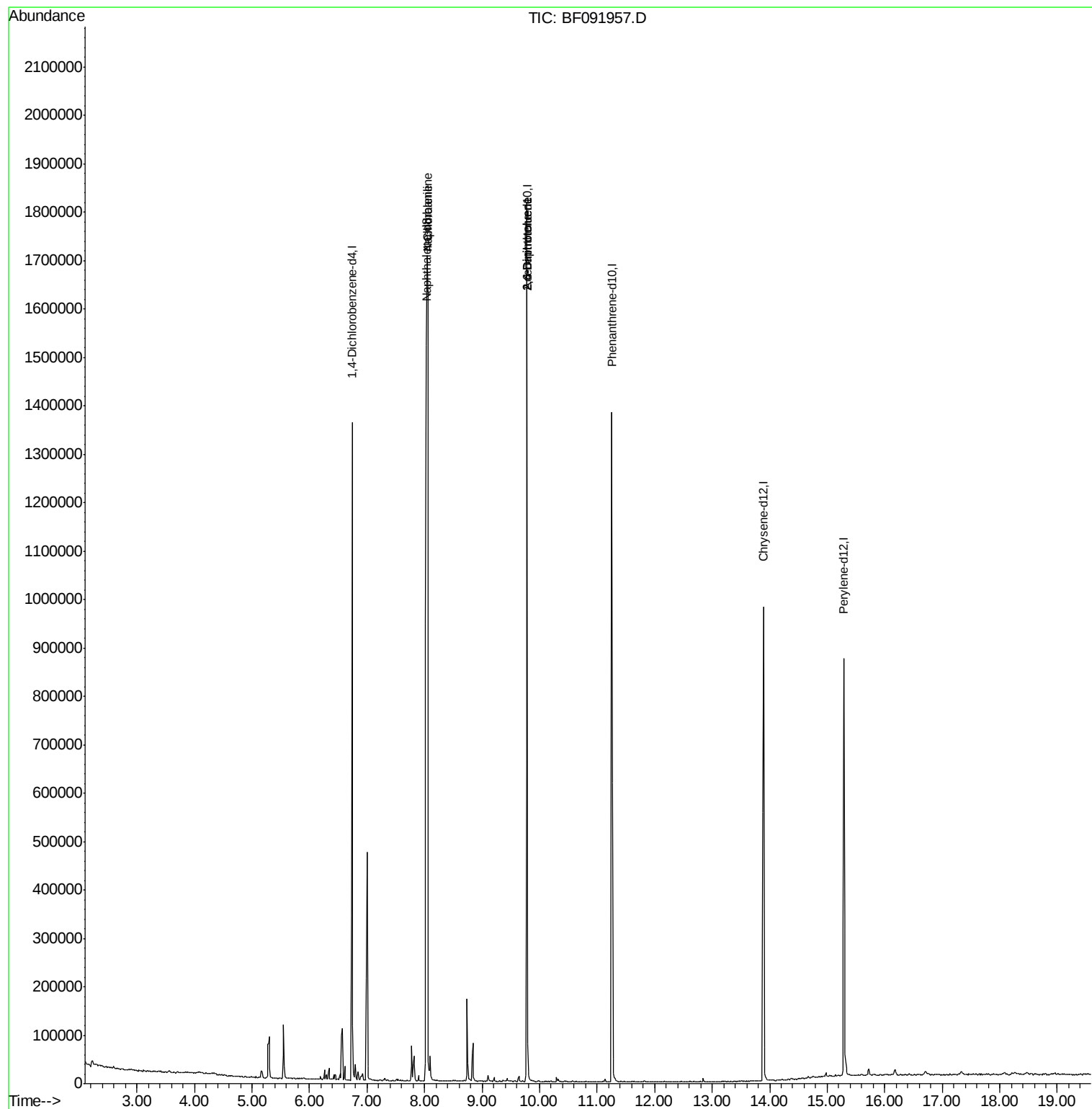
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	214572	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	865987	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	432584	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	595253	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	427357	20.00	ng	-0.01
86) Perylene-d12	15.29	264	400218	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1114	0.09	ng	0.03
7) Phenol-d6	6.44	99	946	0.06	ng	0.03
23) Nitrobenzene-d5	7.31	82	2613	0.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	684	0.19	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	6531	-14.84	ng	-0.01
78) Terphenyl-d14	12.84	244	3948	0.22	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.26	77	931	Below Cal	#	1
31) Naphthalene	8.05	128	1194268	30.13	ng	98
33) 4-Chloroaniline	8.05	127	155402	8.70	ng	# 34
50) 2,6-Dinitrotoluene	9.78	165	55908	9.23	ng	# 30
56) 2,4-Dinitrotoluene	9.78	165	55910	7.36	ng	# 19
71) Anthracene	11.28	178	3487	Below Cal		99
73) Di-n-butylphthalate	11.82	149	431	Below Cal	#	76
74) Fluoranthene	12.47	202	215	Below Cal		61

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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: BF091957.D

Acq: 24 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

MW-11CDL

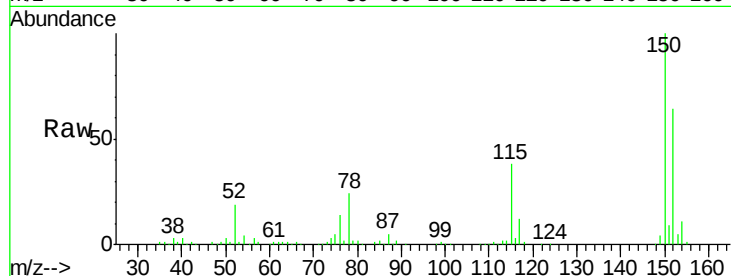
Tgt Ion:152 Resp: 214572

Ion Ratio Lower Upper

152 100

150 156.0 124.9 187.3

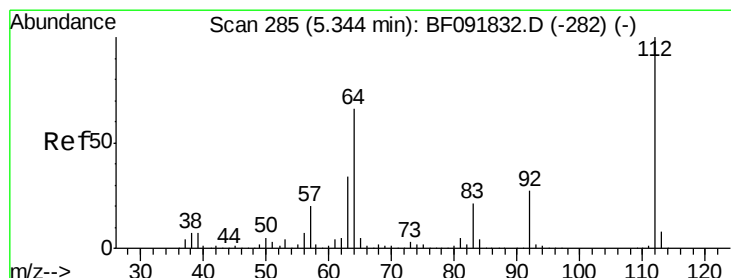
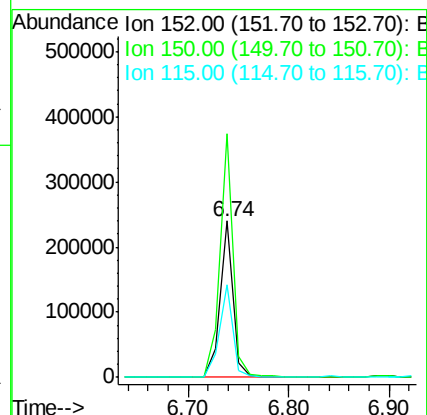
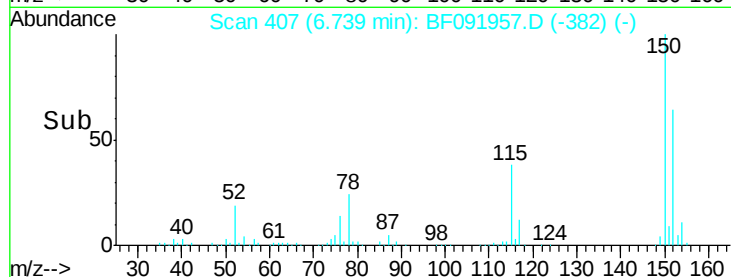
115 59.2 46.0 69.0



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



#5

2-Fluorophenol

Concen: 0.09 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.03 min

Lab File: BF091957.D

Acq: 24 Dec 2016 7:49

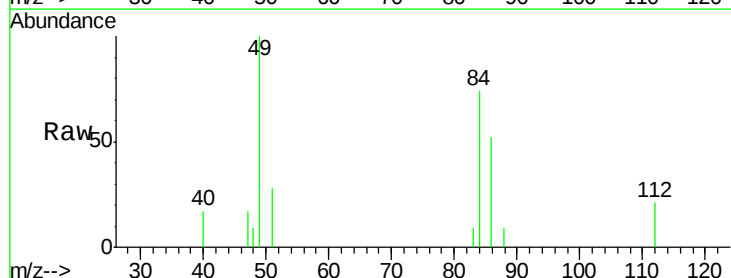
Tgt Ion:112 Resp: 1114

Ion Ratio Lower Upper

112 100

64 0.0 46.1 69.1#

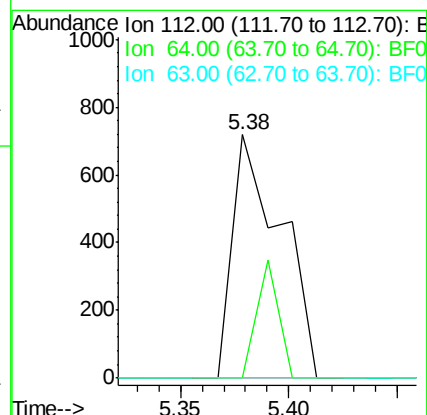
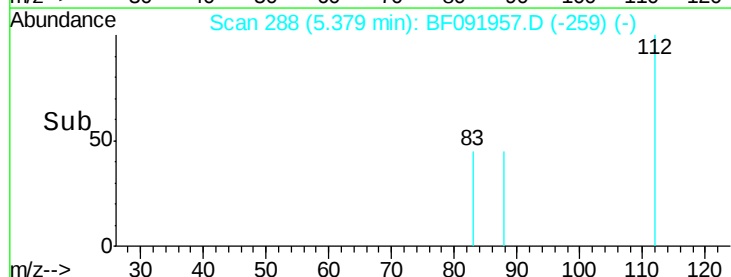
63 0.0 23.8 35.6#



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: 0.06 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.03 min

Lab File: BF091957.D

Acq: 24 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

MW-11CDL

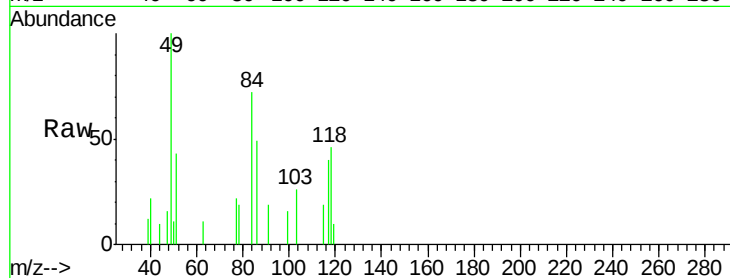
Tgt Ion: 99 Resp: 946

Ion Ratio Lower Upper

99 100

42 0.0 15.6 23.4#

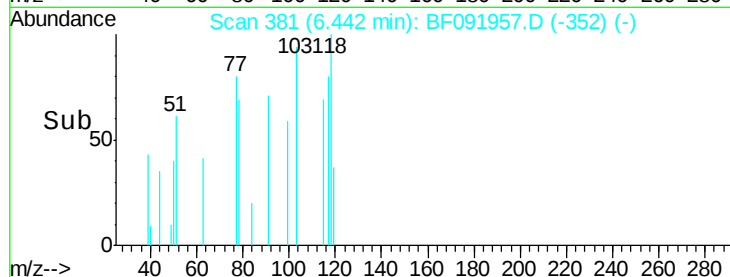
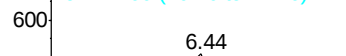
71 0.0 27.5 41.3#



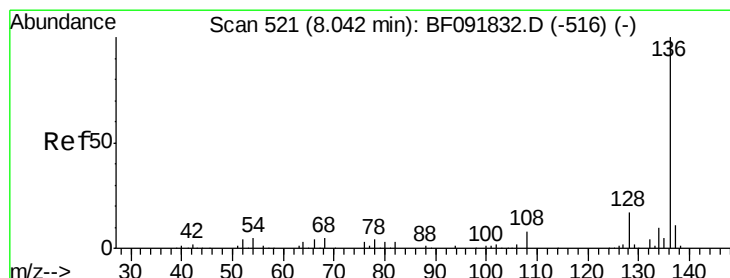
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091957.D

Acq: 24 Dec 2016 7:49

Tgt Ion: 136 Resp: 865987

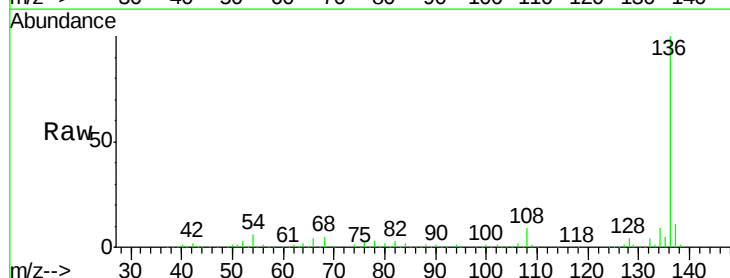
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 5.9 4.5 6.7

68 5.1 3.6 5.4

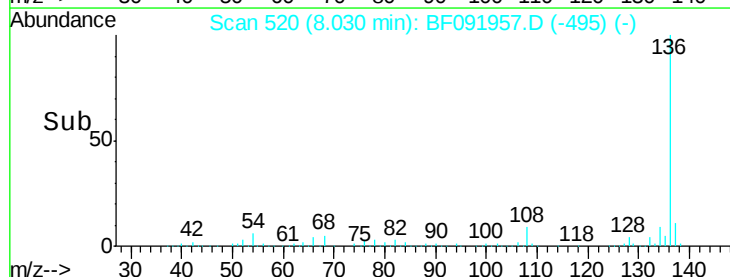
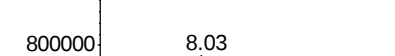


Abundance Ion 136.00 (135.70 to 136.70): E

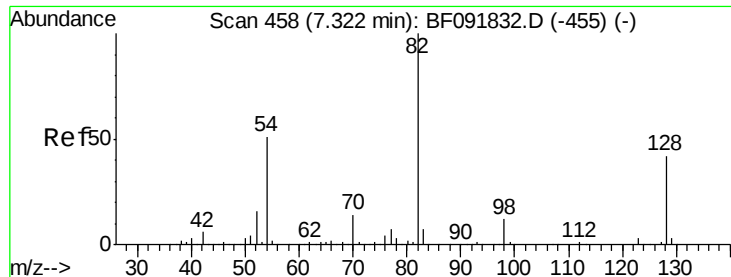
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



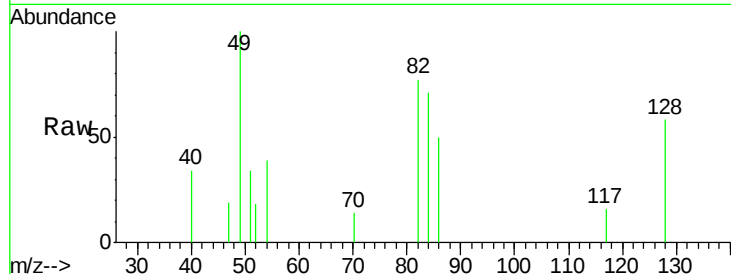
Time-->



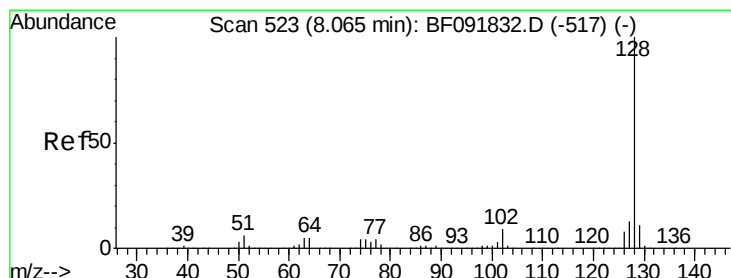
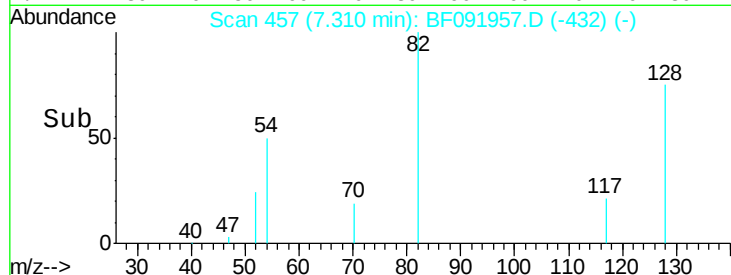
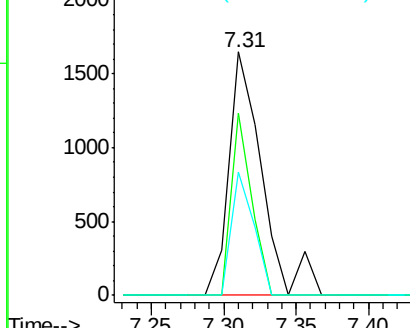
#23
 Nitrobenzene-d5
 Concen: 0.17 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF091957.D
 Acq: 24 Dec 2016 7:49

Instrument :
 BNA_F
 ClientSampleId :
 MW-11CDL

Tgt Ion: 82 Resp: 2613
 Ion Ratio Lower Upper
 82 100
 128 74.8 34.6 52.0#
 54 50.4 39.5 59.3

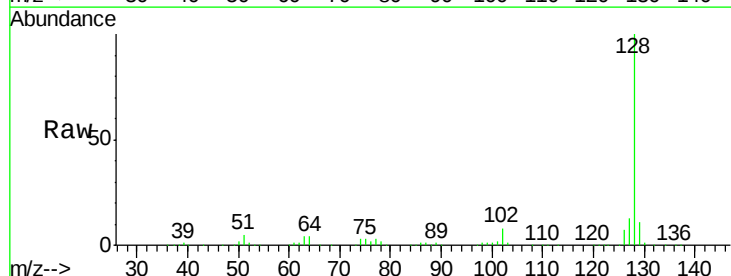


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

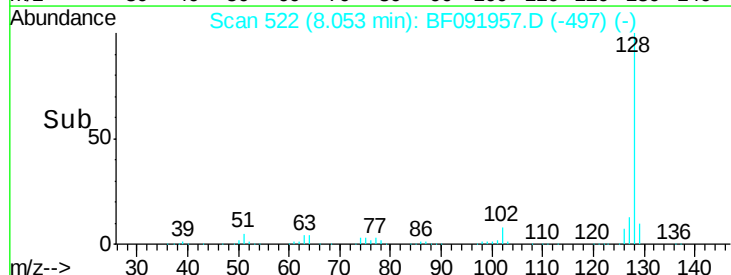
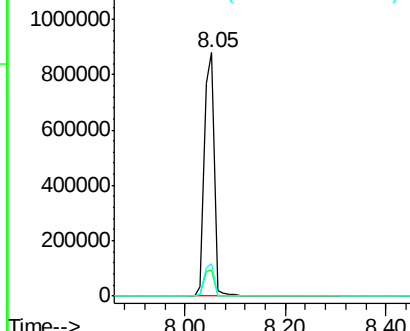


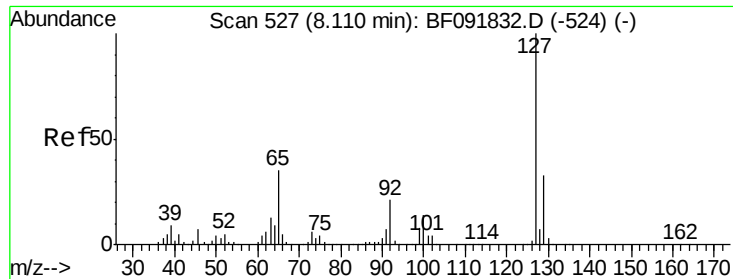
#31
 Naphthalene
 Concen: 30.13 ng
 RT: 8.05 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: BF091957.D
 Acq: 24 Dec 2016 7:49

Tgt Ion: 128 Resp: 1194268
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.5 14.3
 127 13.1 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

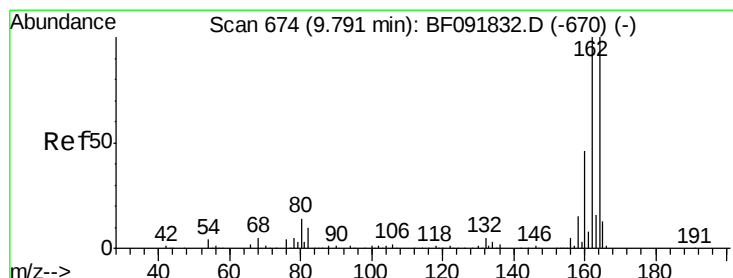
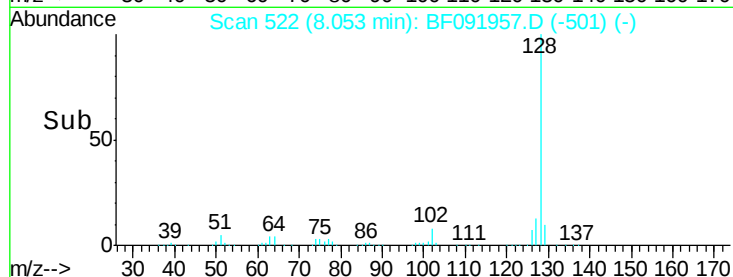
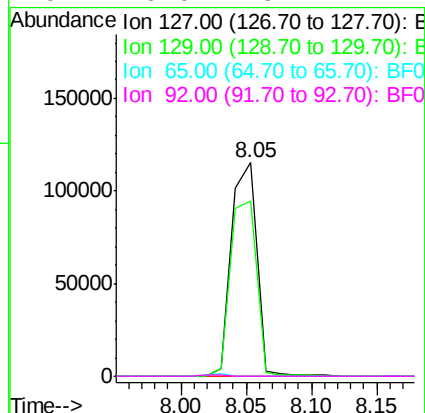
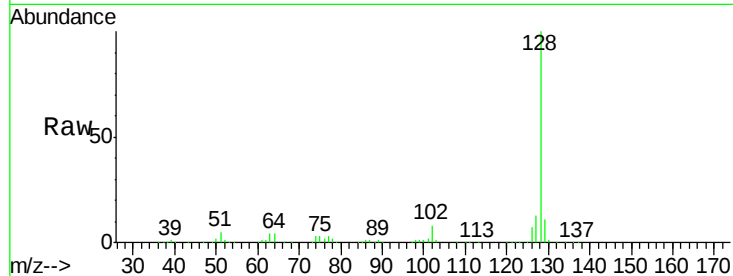




#33
4-Chloroaniline
Concen: 8.70 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.06 min
Lab File: BF091957.D
Acq: 24 Dec 2016 7:49

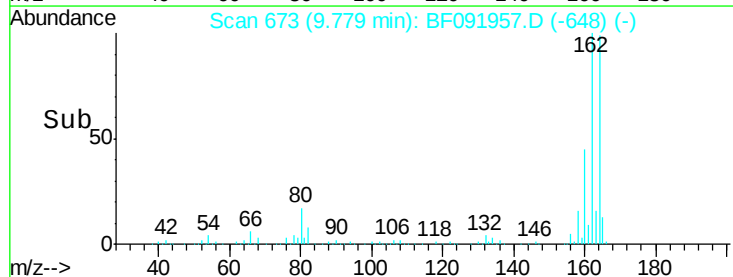
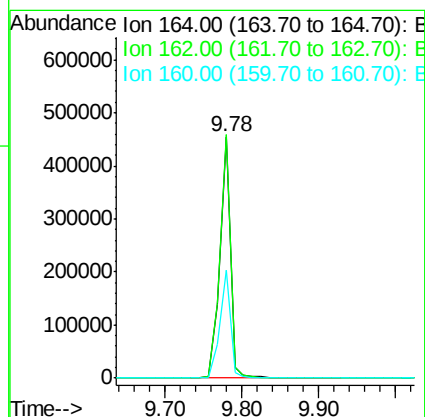
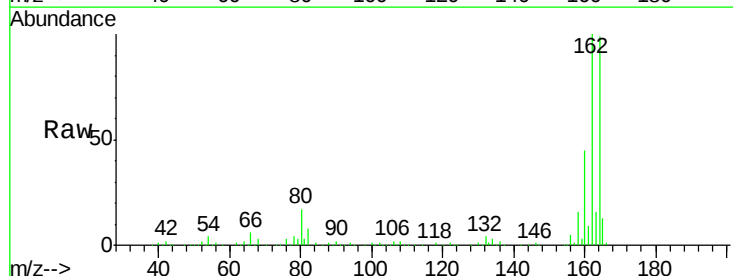
Instrument :
BNA_F
ClientSampleId :
MW-11CDL

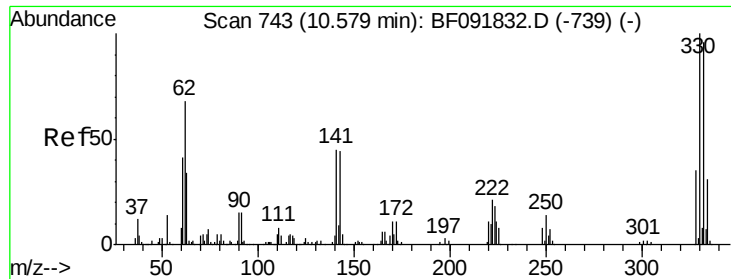
Tgt Ion:	127	Resp:	155402
Ion Ratio	Lower	Upper	
127	100		
129	82.3	26.3	39.5#
65	0.0	25.8	38.8#
92	0.0	16.1	24.1#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF091957.D
Acq: 24 Dec 2016 7:49

Tgt Ion:	164	Resp:	432584
Ion Ratio	Lower	Upper	
164	100		
162	100.9	80.2	120.2
160	44.9	36.9	55.3

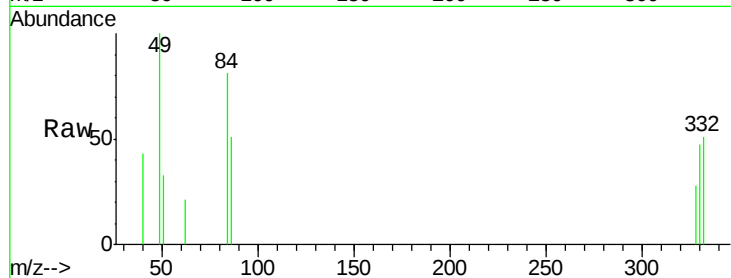




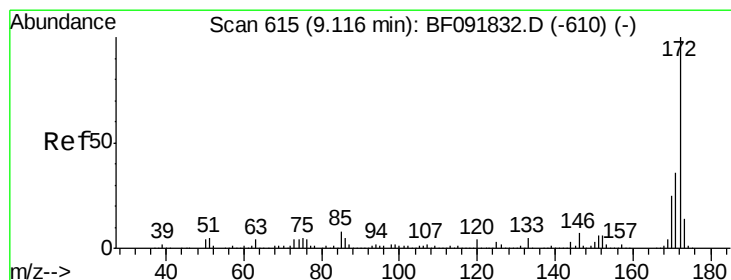
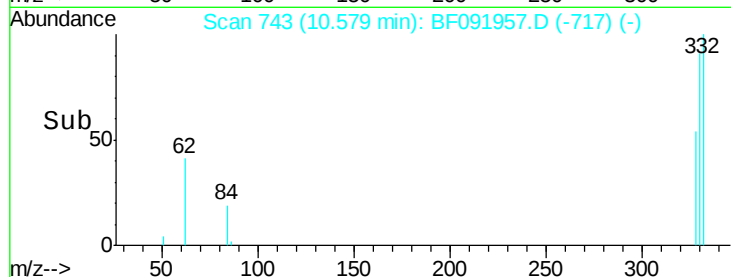
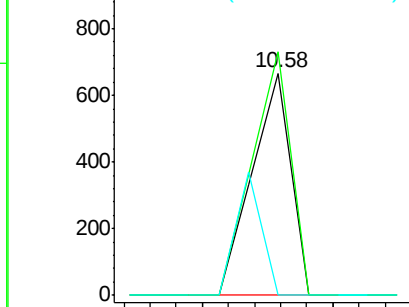
#41
 2,4,6-Tribromophenol
 Concen: 0.19 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091957.D
 Acq: 24 Dec 2016 7:49

Instrument :
 BNA_F
 ClientSampleId :
 MW-11CDL

Tgt Ion:330 Resp: 684
 Ion Ratio Lower Upper
 330 100
 332 109.6 77.4 116.2
 141 37.1 34.1 51.1

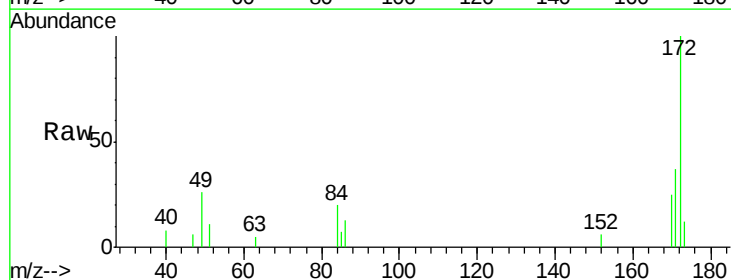


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

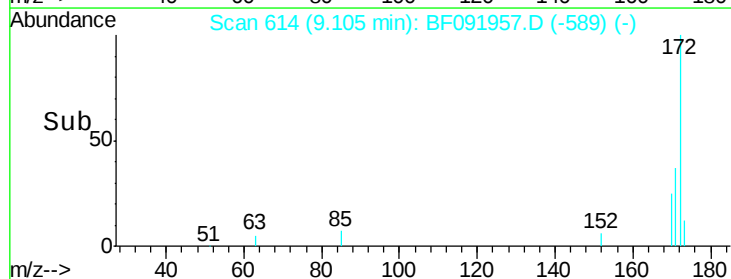
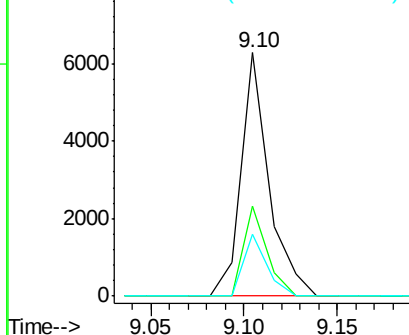


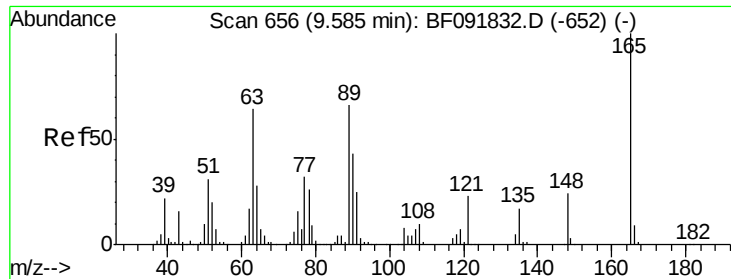
#44
 2-Fluorobiphenyl
 Concen: -14.84 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091957.D
 Acq: 24 Dec 2016 7:49

Tgt Ion:172 Resp: 6531
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 25.5 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: 9.23 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.19 min

Lab File: BF091957.D

Acq: 24 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

MW-11CDL

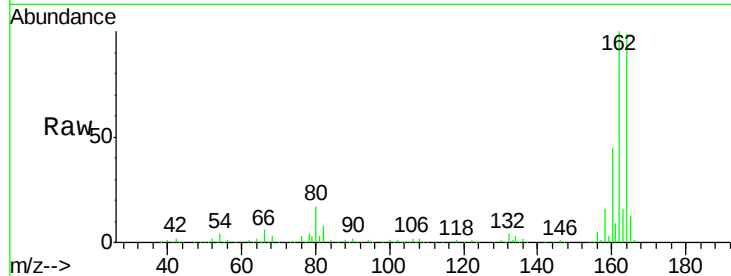
Tgt Ion:165 Resp: 55908

Ion Ratio Lower Upper

165 100

63 0.8 36.2 54.4#

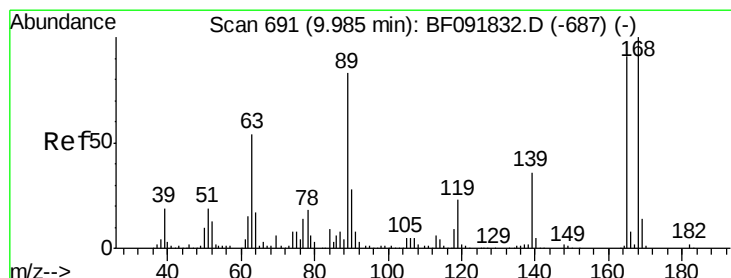
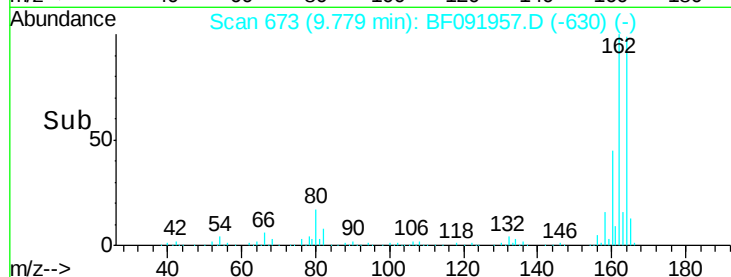
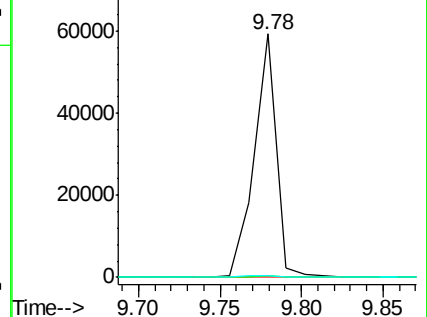
89 0.5 40.2 60.4#



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: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF091957.D

Acq: 24 Dec 2016 7:49

Tgt Ion:165 Resp: 55910

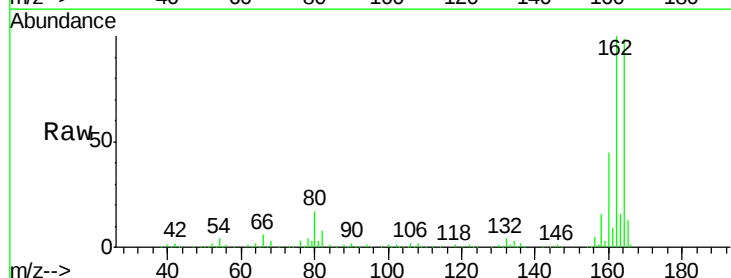
Ion Ratio Lower Upper

165 100

63 0.8 40.2 60.4#

89 0.5 62.5 93.7#

182 0.0 1.8 2.8#

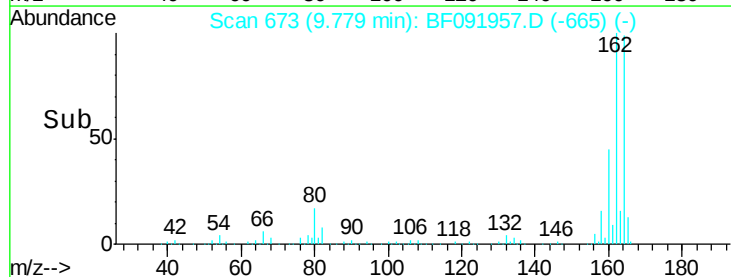
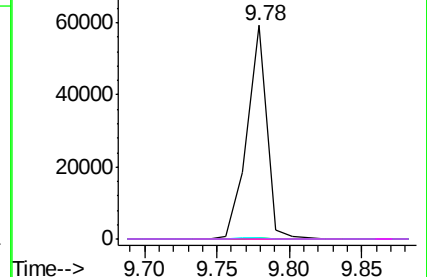


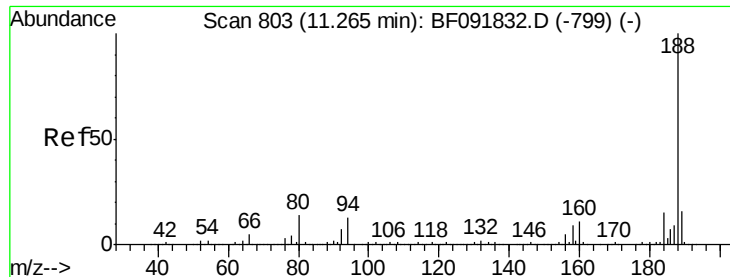
Abundance Ion 165.00 (164.70 to 165.70): E

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

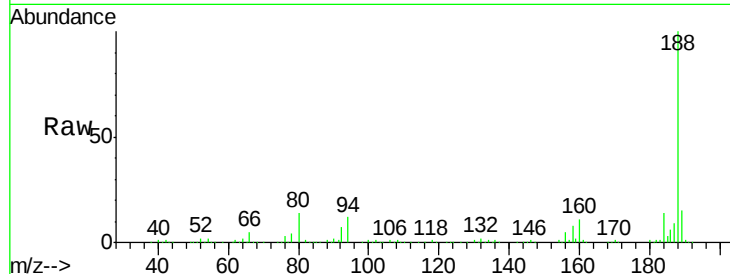




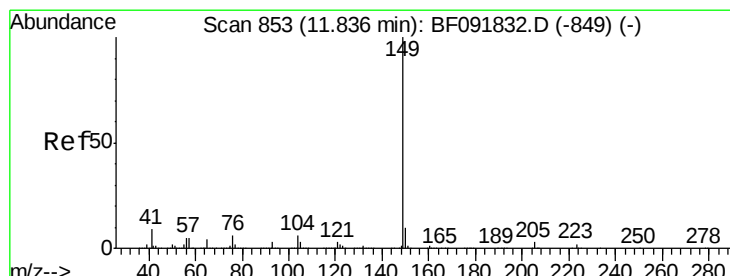
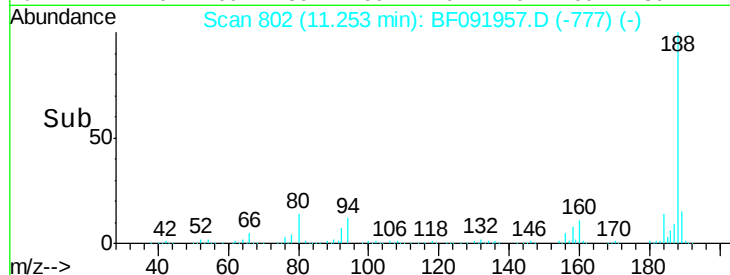
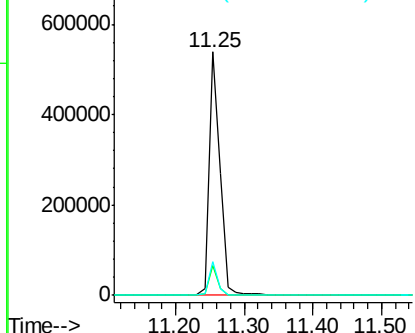
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF091957.D
Acq: 24 Dec 2016 7:49

Instrument :
BNA_F
ClientSampleId :
MW-11CDL

Tgt Ion:188 Resp: 595253
Ion Ratio Lower Upper
188 100
94 12.1 10.0 15.0
80 13.8 11.2 16.8

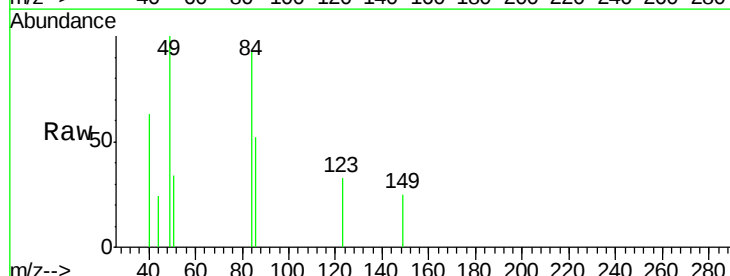


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

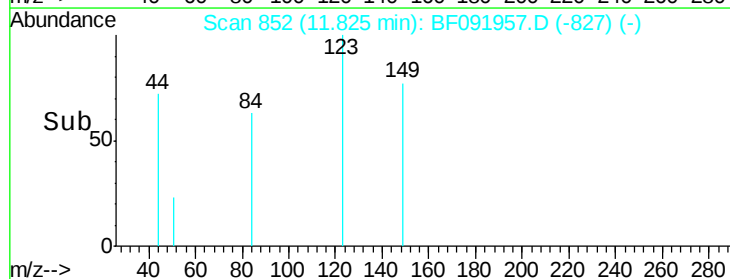
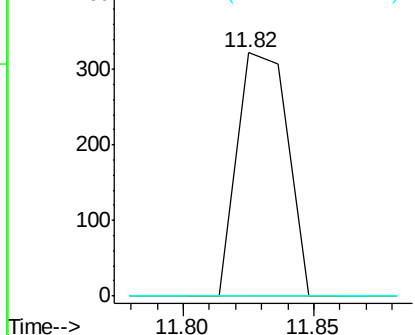


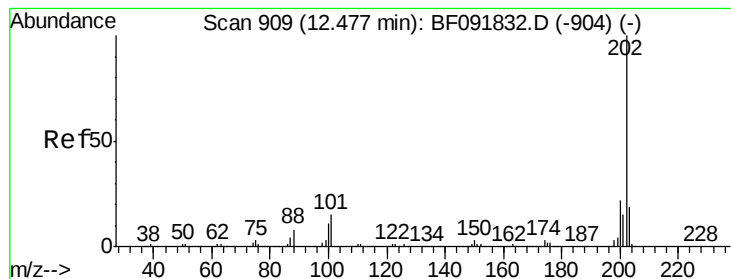
#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.82 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF091957.D
Acq: 24 Dec 2016 7:49

Tgt Ion:149 Resp: 431
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: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091957.D

Acq: 24 Dec 2016 7:49

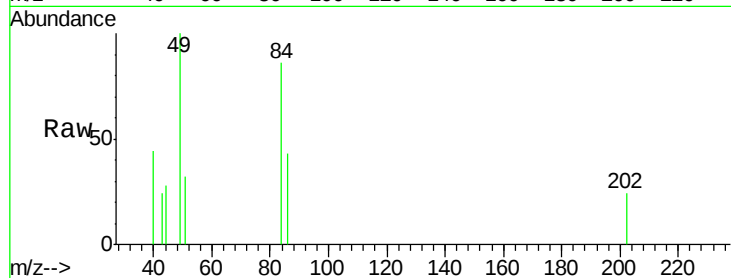
Instrument :

BNA_F

ClientSampleId :

MW-11CDL

Tgt Ion:	202	Resp:	215
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	34.6
203	0.0	0.0	38.7



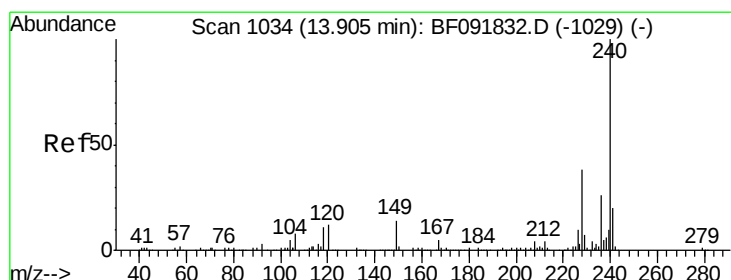
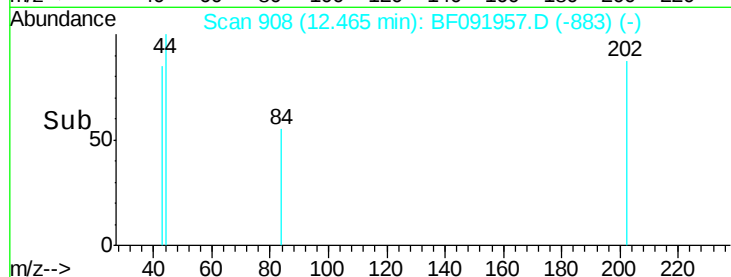
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.47

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

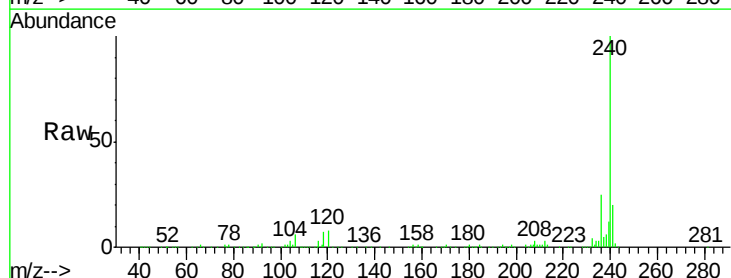
RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091957.D

Acq: 24 Dec 2016 7:49

Tgt Ion:	240	Resp:	427357
Ion	Ratio	Lower	Upper
240	100		
120	8.3	12.9	19.3#
236	24.8	20.9	31.3



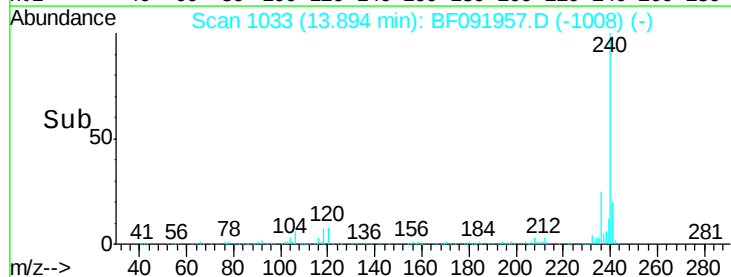
Abundance Ion 240.00 (239.70 to 240.70): E

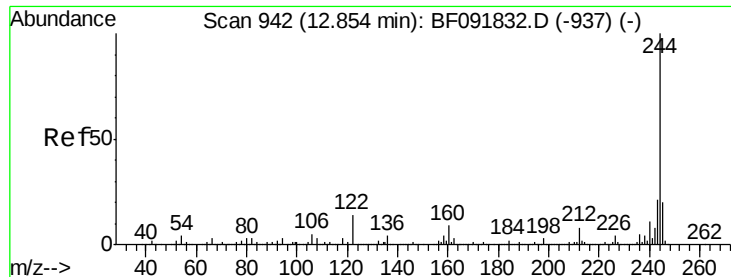
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.89

Time-->

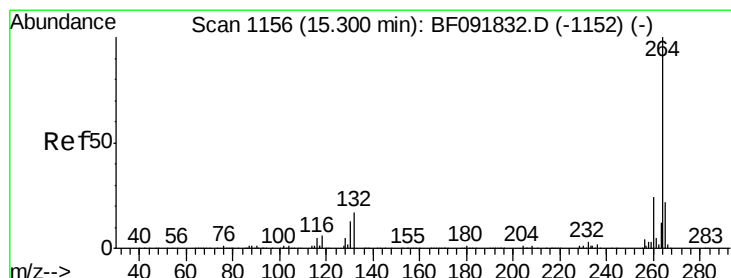
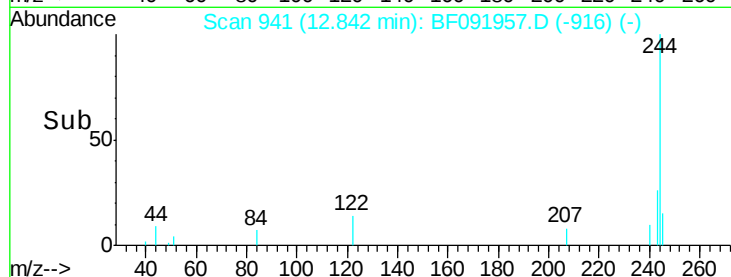
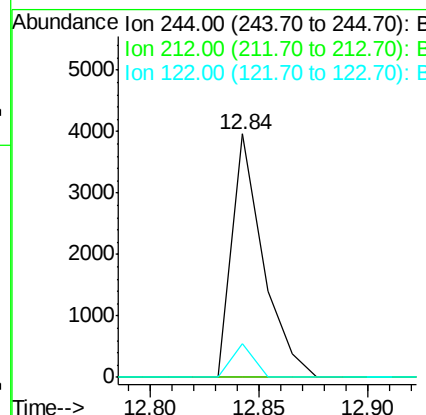
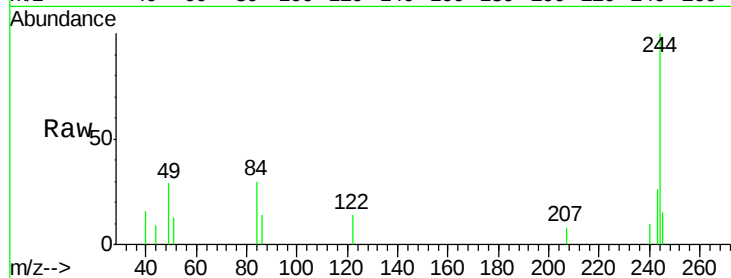




#78
 Terphenyl-d14
 Concen: 0.22 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF091957.D
 Acq: 24 Dec 2016 7:49

Instrument :
 BNA_F
 ClientSampleId :
 MW-11CDL

Tgt Ion:244 Resp: 3948
 Ion Ratio Lower Upper
 244 100
 212 0.0 6.2 9.2#
 122 13.8 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: BF091957.D
 Acq: 24 Dec 2016 7:49

Tgt Ion:264 Resp: 400218
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.2 28.8
 265 22.1 17.4 26.0

