

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091958.D
 Acq On : 24 Dec 2016 8:16
 Operator : UM/SJ
 Sample : H6156-09DL 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-18DL

Quant Time: Dec 24 23:46:54 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

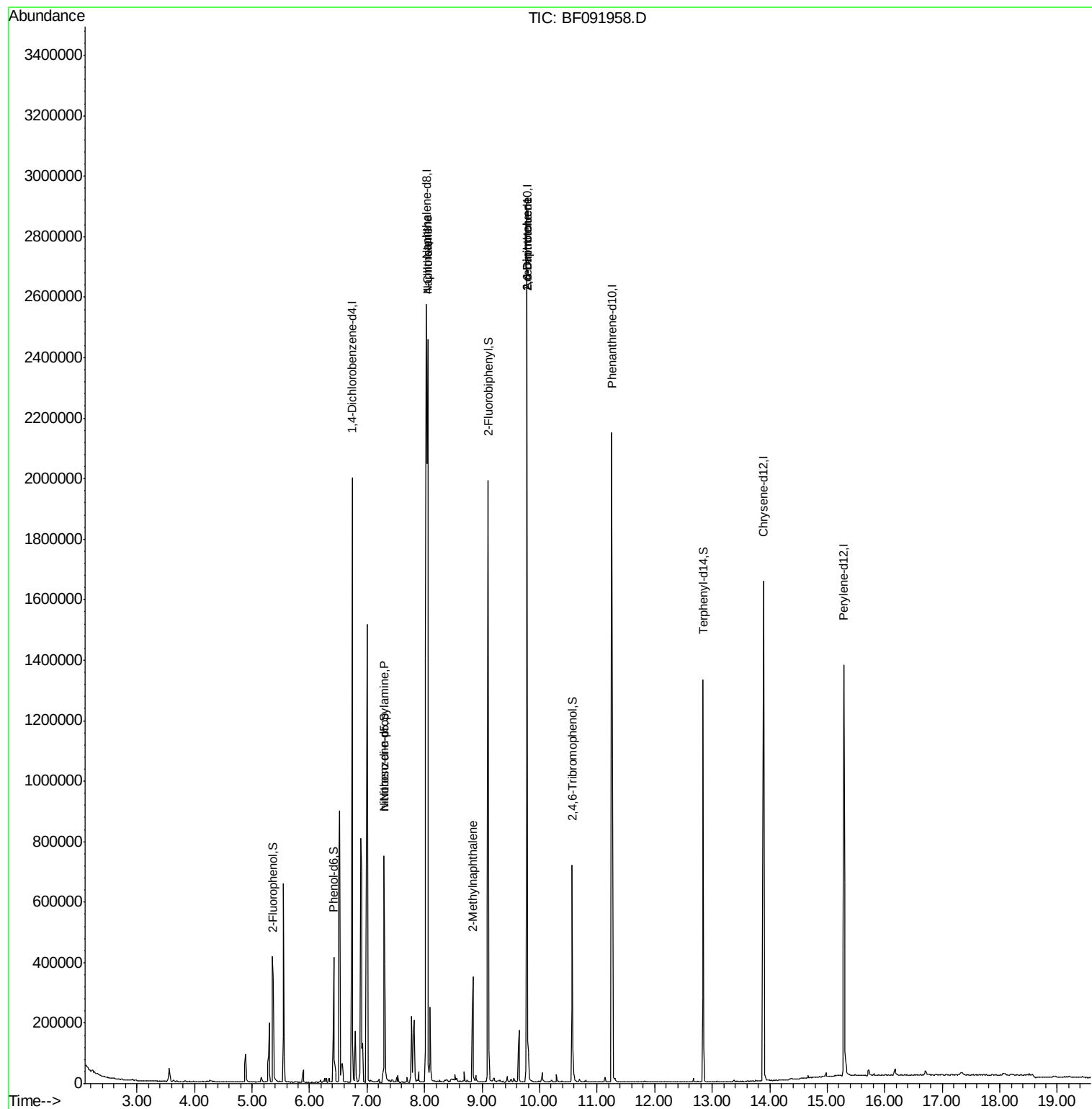
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	308200	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	1390667	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	689667	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	934833	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	671726	20.00	ng	-0.01
86) Perylene-d12	15.29	264	642395	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	181967	9.86	ng	0.02
7) Phenol-d6	6.42	99	138545	6.15	ng	0.01
23) Nitrobenzene-d5	7.30	82	299561	11.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	101061	17.71	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	663756	8.04	ng	-0.01
78) Terphenyl-d14	12.84	244	416690	15.04	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.26	77	1827	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.30	70	38236	2.55 ng	#	76
31) Naphthalene	8.05	128	1621230	25.47 ng		98
33) 4-Chloroaniline	8.05	127	209481	7.30 ng	#	32
37) 2-Methylnaphthalene	8.84	142	131016	2.19 ng		96
50) 2,6-Dinitrotoluene	9.78	165	88835	9.20 ng	#	30
56) 2,4-Dinitrotoluene	9.78	165	88842	7.33 ng	#	19
71) Anthracene	11.33	178	509	Below Cal	#	59
73) Di-n-butylphthalate	11.82	149	1229	Below Cal	#	76
74) Fluoranthene	12.46	202	483	Below Cal		61

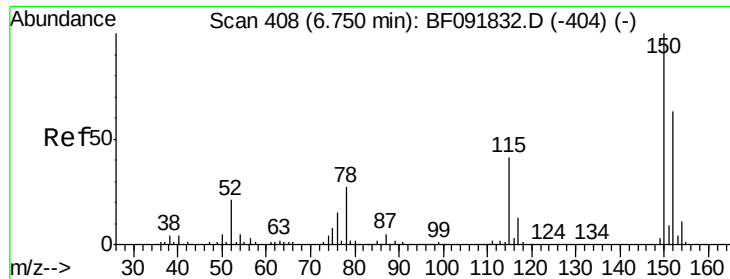
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF091958.D

Acq: 24 Dec 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-18DL

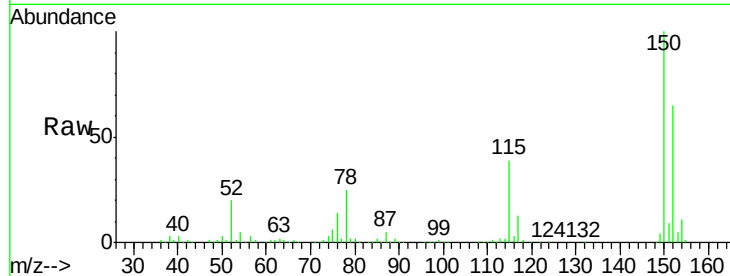
Tgt Ion:152 Resp: 308200

Ion Ratio Lower Upper

152 100

150 153.7 124.9 187.3

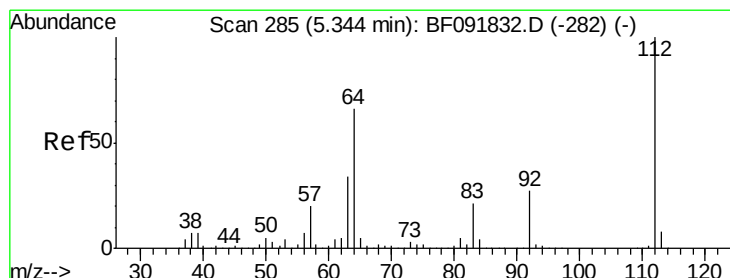
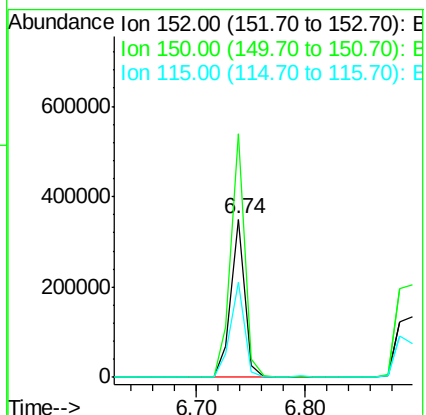
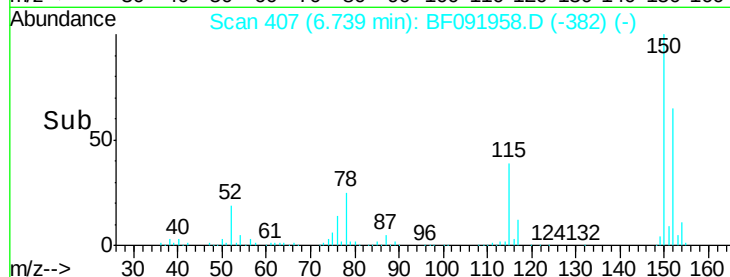
115 60.4 46.0 69.0



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: 9.86 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: BF091958.D

Acq: 24 Dec 2016 8:16

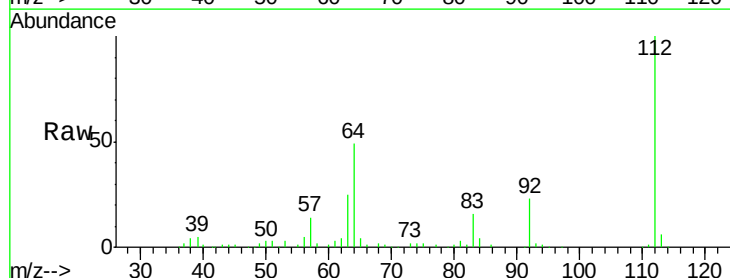
Tgt Ion:112 Resp: 181967

Ion Ratio Lower Upper

112 100

64 49.5 46.1 69.1

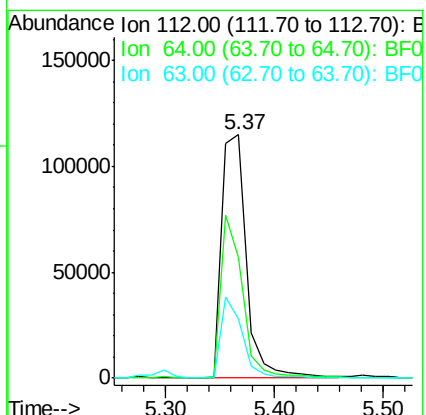
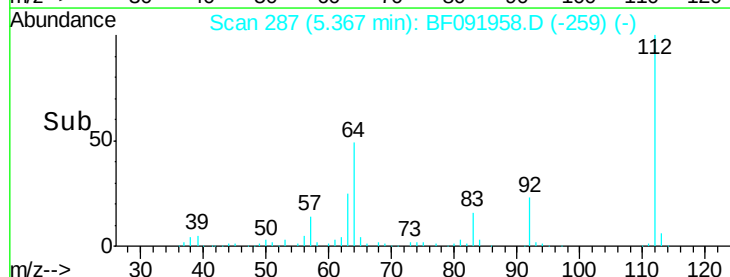
63 24.5 23.8 35.6

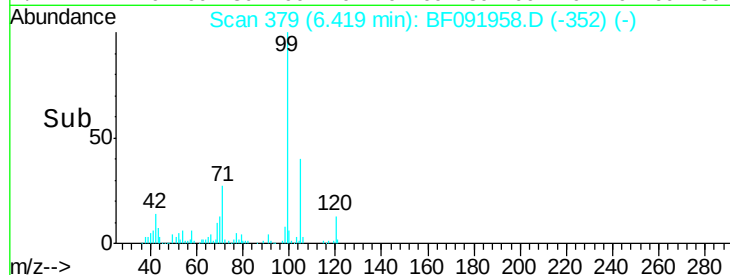
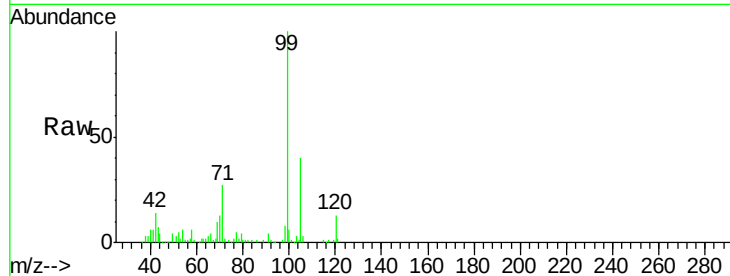
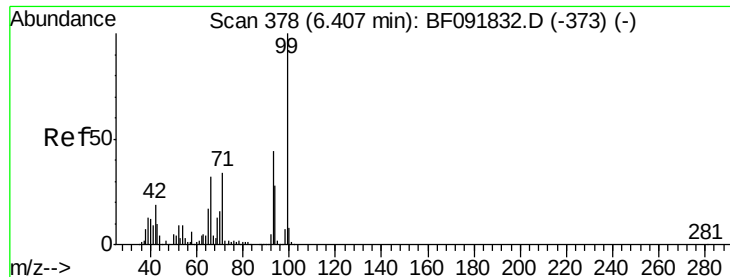


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 6.15 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF091958.D

Acq: 24 Dec 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-18DL

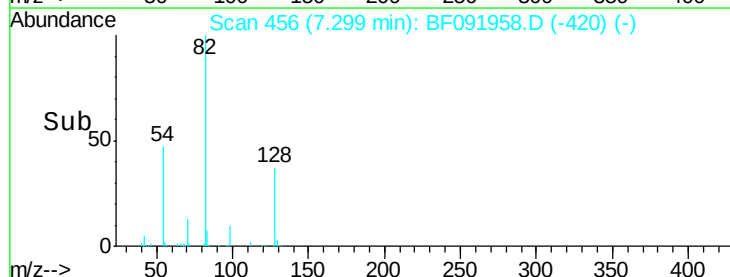
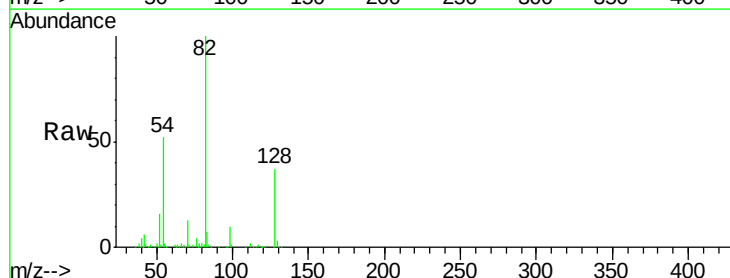
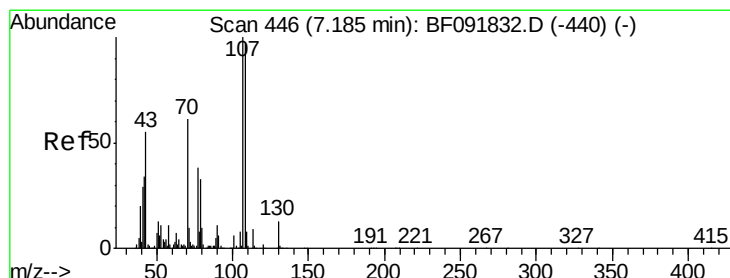
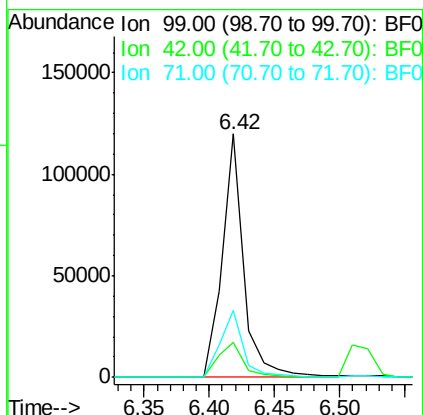
Tgt Ion: 99 Resp: 138545

Ion Ratio Lower Upper

99 100

42 14.3 15.6 23.4#

71 27.5 27.5 41.3#



#19

n-Nitroso-di-n-propylamine

Concen: 2.55 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.11 min

Lab File: BF091958.D

Acq: 24 Dec 2016 8:16

Tgt Ion: 70 Resp: 38236

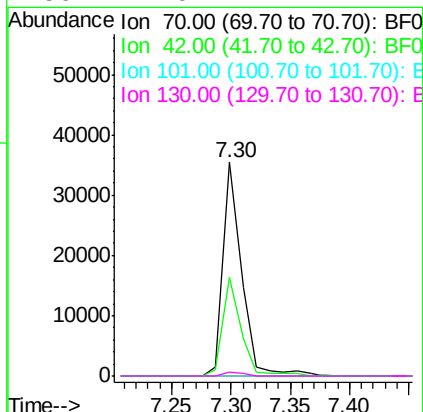
Ion Ratio Lower Upper

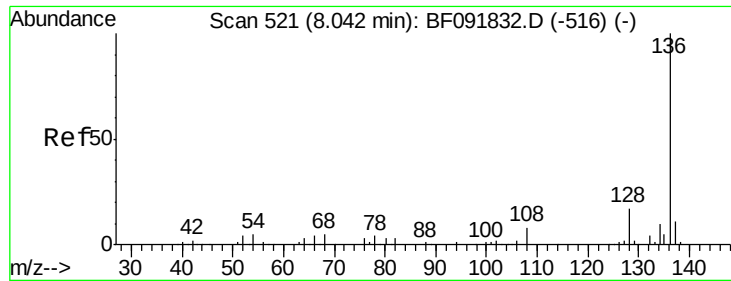
70 100

42 46.3 49.4 74.0#

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

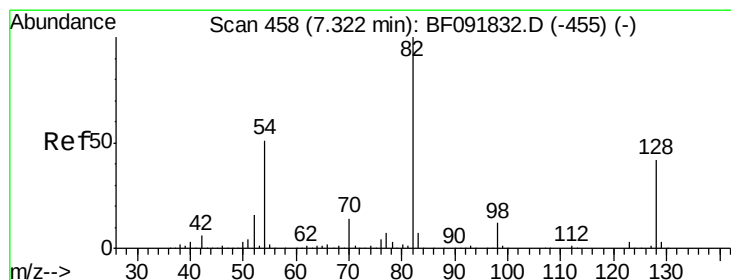
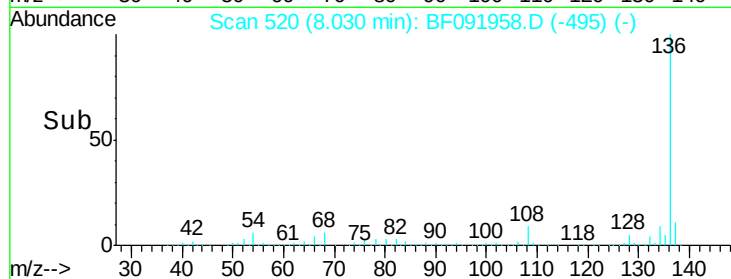
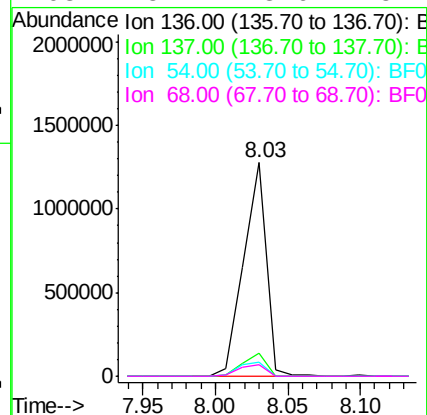
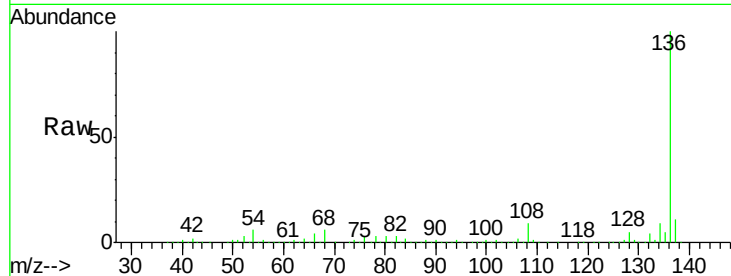




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091958.D
Acq: 24 Dec 2016 8:16

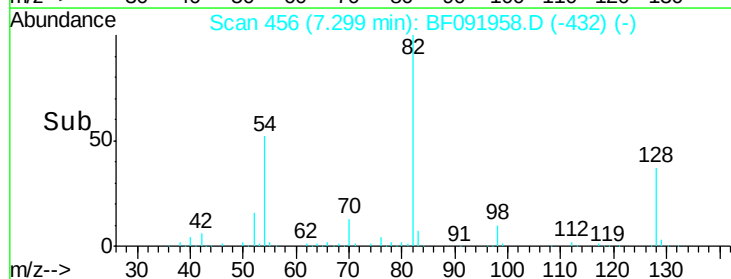
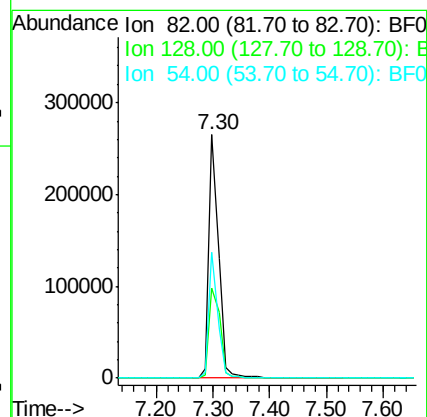
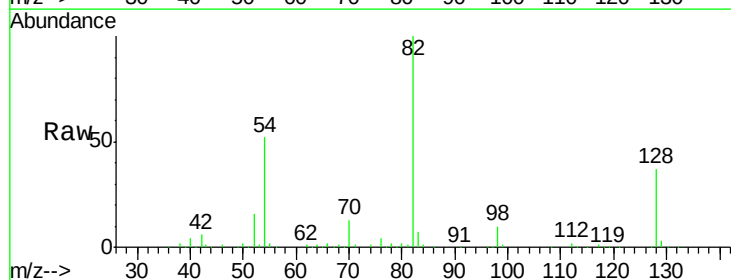
Instrument :
BNA_F
ClientSampleId :
MW-18DL

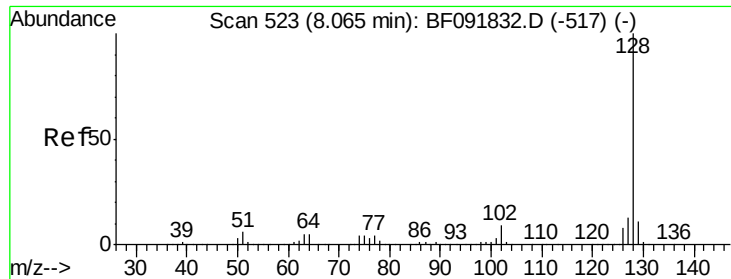
Tgt Ion:	136	Resp:	1390667
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.5	4.5	6.7
68	5.7	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 11.98 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF091958.D
Acq: 24 Dec 2016 8:16

Tgt Ion:	82	Resp:	299561
Ion	Ratio	Lower	Upper
82	100		
128	37.1	34.6	52.0
54	51.7	39.5	59.3

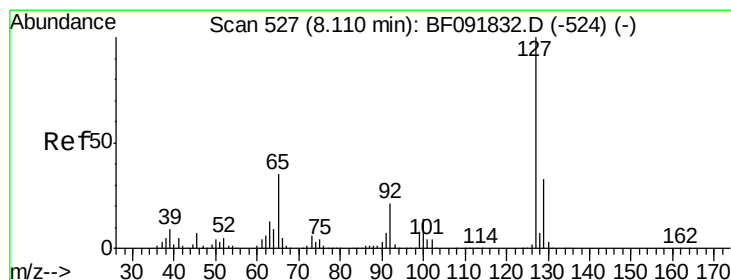
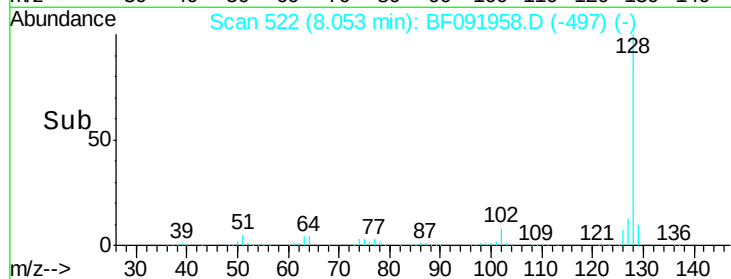
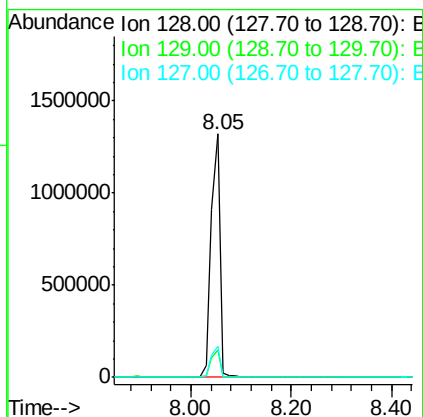
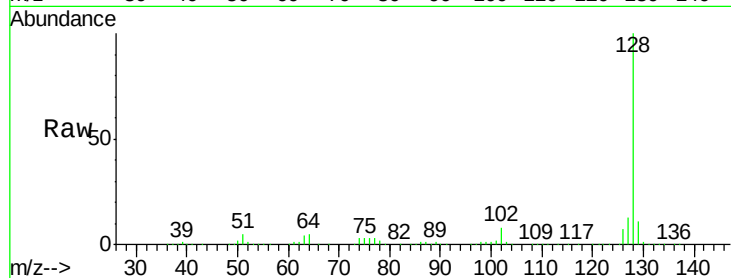




#31
Naphthalene
Concen: 25.47 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF091958.D
Acq: 24 Dec 2016 8:16

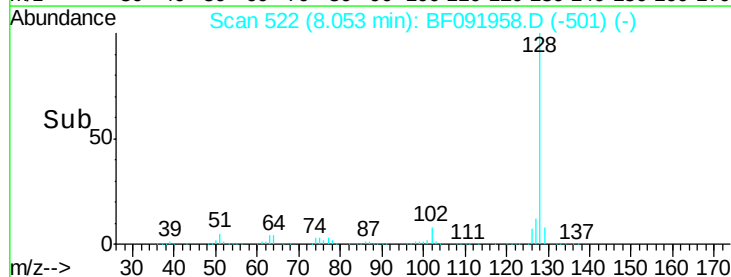
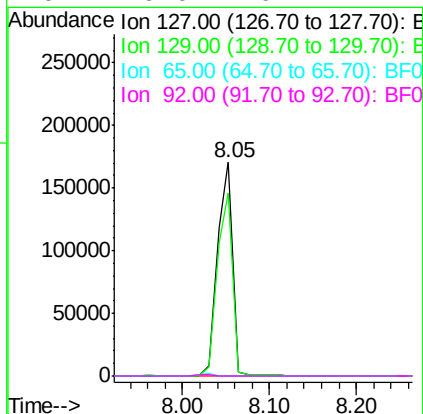
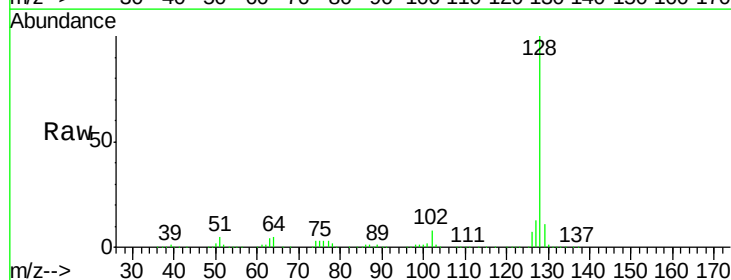
Instrument :
BNA_F
ClientSampleId :
MW-18DL

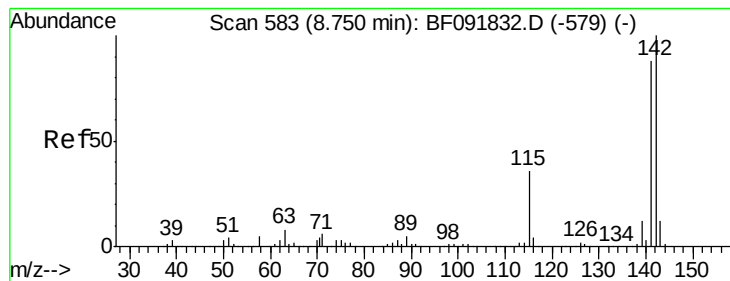
Tgt Ion:128 Resp: 1621230
Ion Ratio Lower Upper
128 100
129 11.0 9.5 14.3
127 12.9 10.8 16.2



#33
4-Chloroaniline
Concen: 7.30 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.06 min
Lab File: BF091958.D
Acq: 24 Dec 2016 8:16

Tgt Ion:127 Resp: 209481
Ion Ratio Lower Upper
127 100
129 85.6 26.3 39.5#
65 0.0 25.8 38.8#
92 0.0 16.1 24.1#

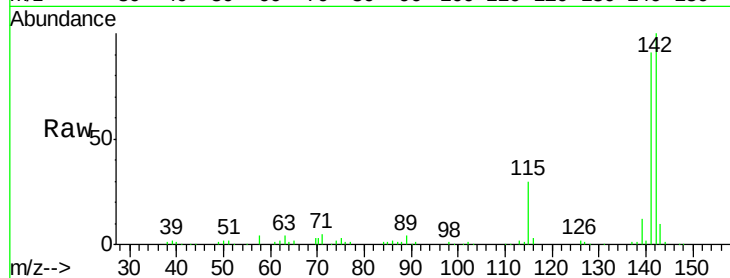




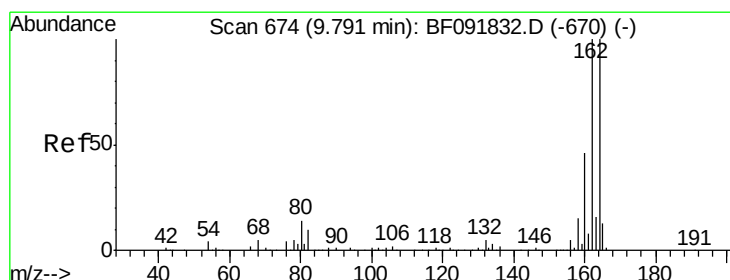
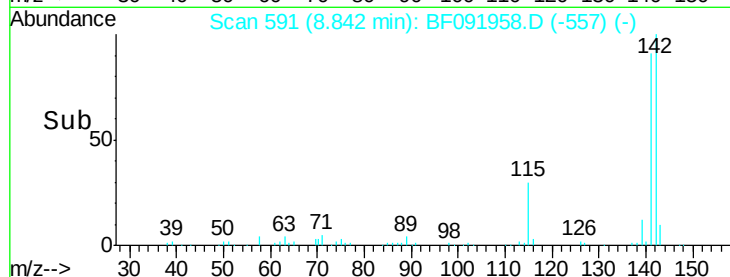
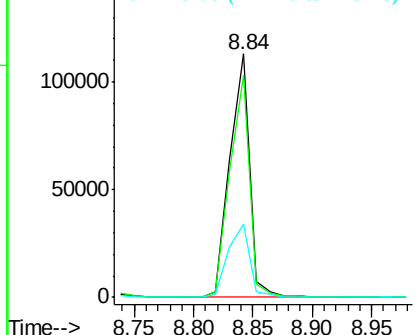
#37
 2-Methylnaphthalene
 Concen: 2.19 ng
 RT: 8.84 min Scan# 591
 Delta R.T. 0.09 min
 Lab File: BF091958.D
 Acq: 24 Dec 2016 8:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-18DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.0	106.6
115	30.4	28.3	42.5

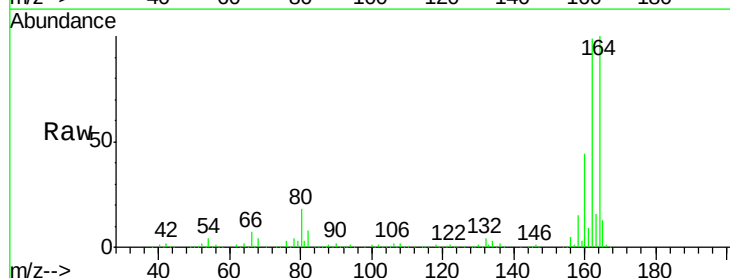


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

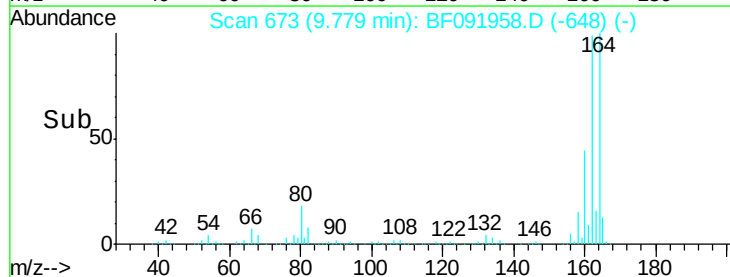
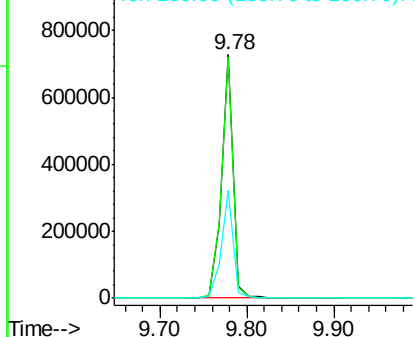


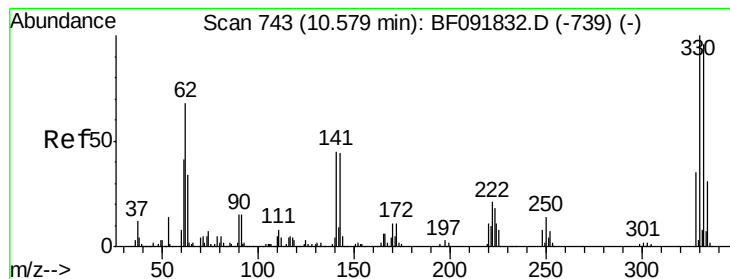
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF091958.D
 Acq: 24 Dec 2016 8:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.2	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

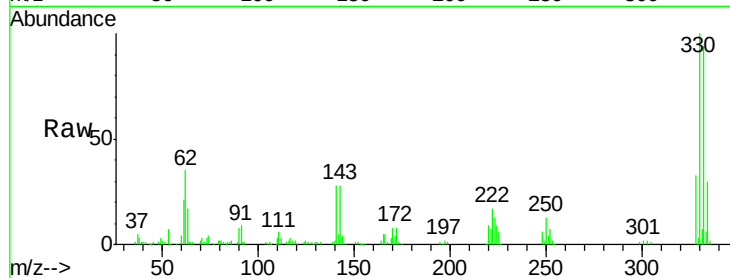




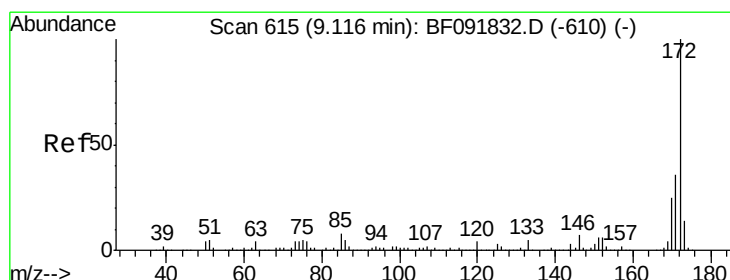
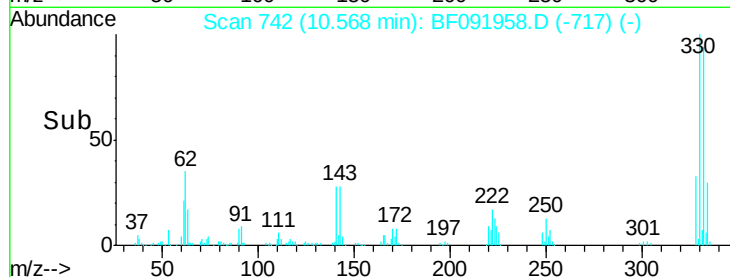
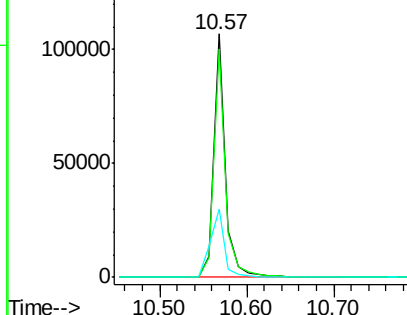
#41
 2,4,6-Tribromophenol
 Concen: 17.71 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091958.D
 Acq: 24 Dec 2016 8:16

Instrument :
 BNA_F
 ClientSampled :
 MW-18DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.4	116.2
141	34.0	34.1	51.1#

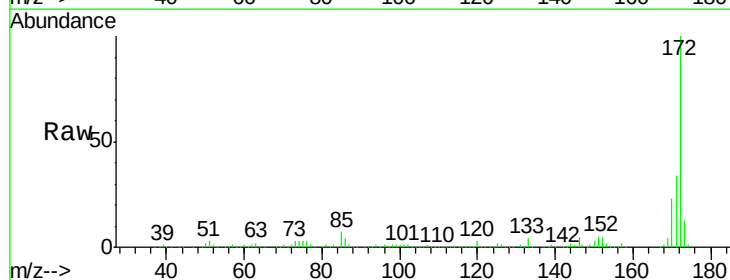


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

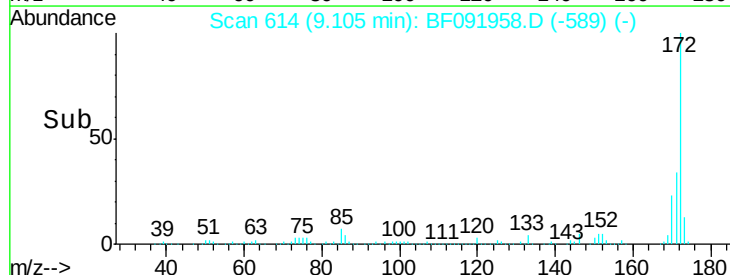
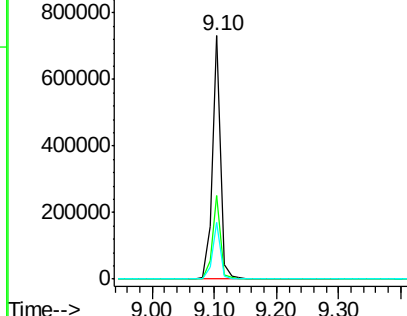


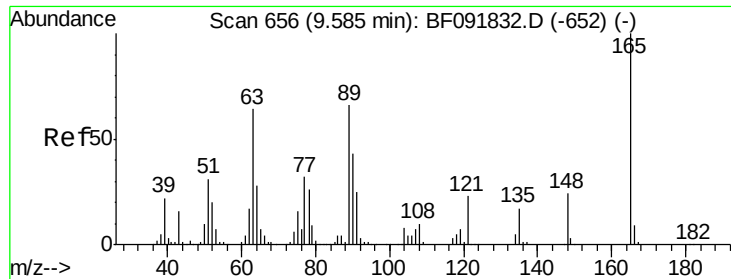
#44
 2-Fluorobiphenyl
 Concen: 8.04 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091958.D
 Acq: 24 Dec 2016 8:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.4	44.0
170	23.1	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: 9.20 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.19 min

Lab File: BF091958.D

Acq: 24 Dec 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-18DL

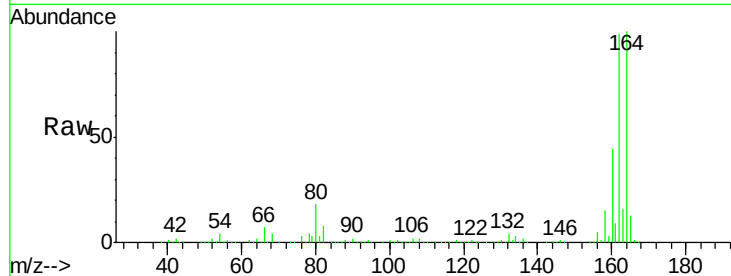
Tgt Ion:165 Resp: 88835

Ion Ratio Lower Upper

165 100

63 0.9 36.2 54.4#

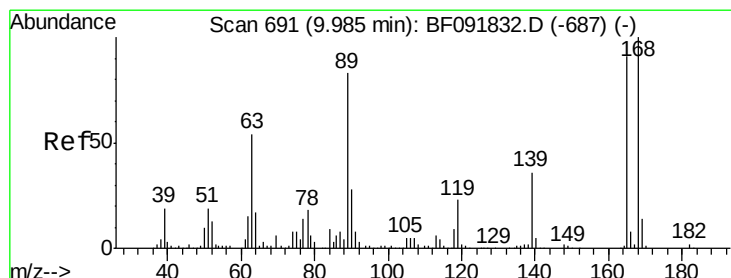
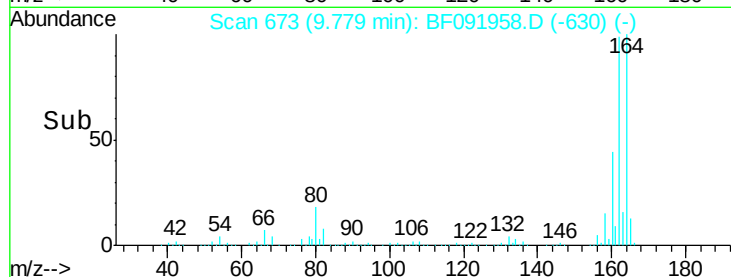
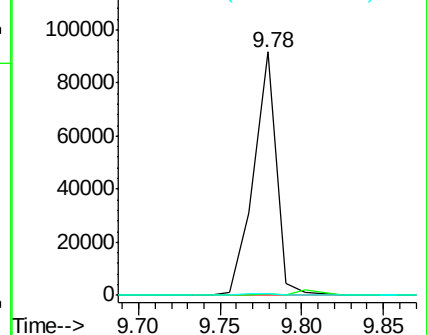
89 0.7 40.2 60.4#



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: 7.33 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF091958.D

Acq: 24 Dec 2016 8:16

Tgt Ion:165 Resp: 88842

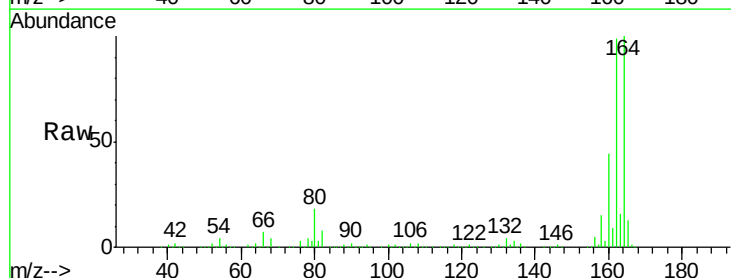
Ion Ratio Lower Upper

165 100

63 0.9 40.2 60.4#

89 0.7 62.5 93.7#

182 0.0 1.8 2.8#

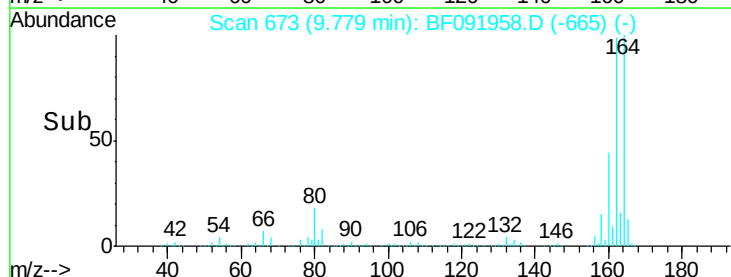
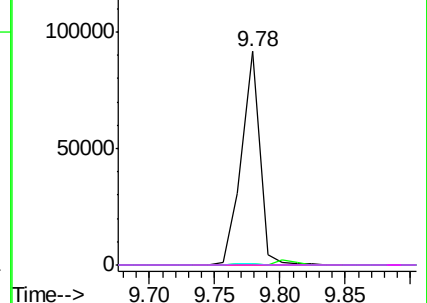


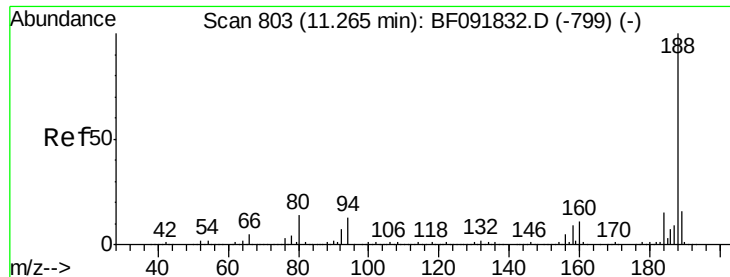
Abundance Ion 165.00 (164.70 to 165.70): E

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

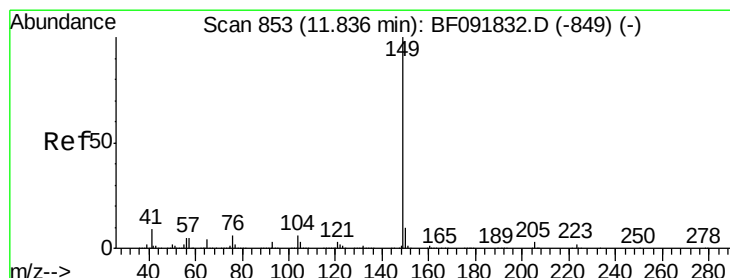
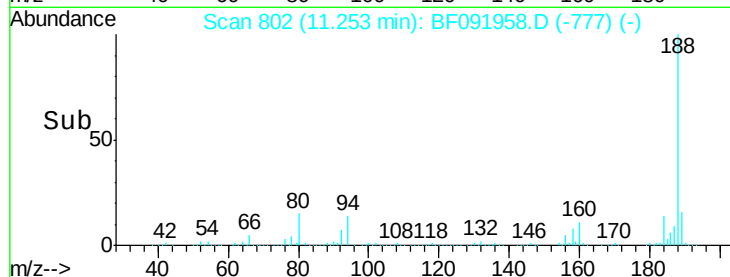
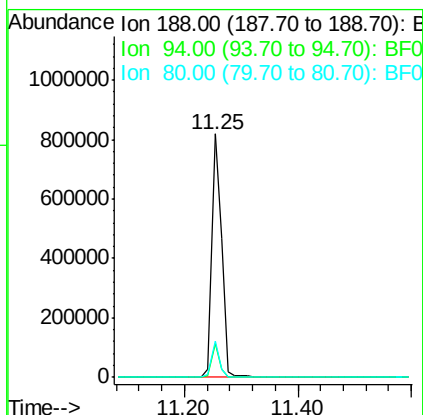
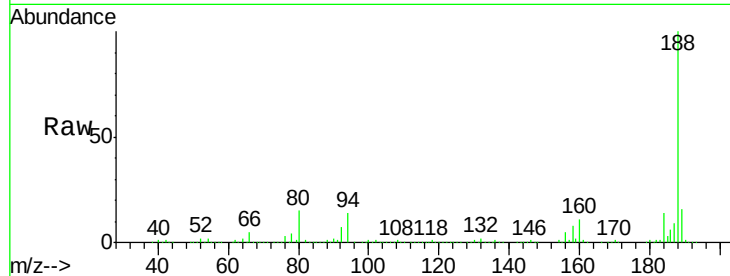




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091958.D
 Acq: 24 Dec 2016 8:16

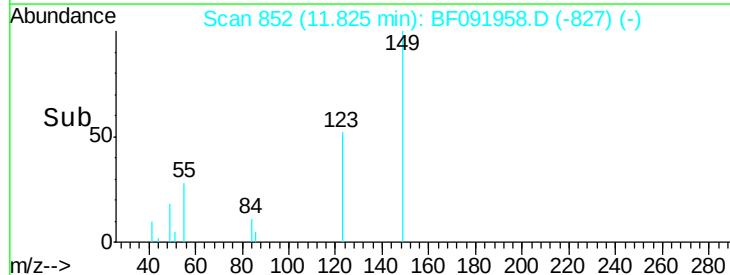
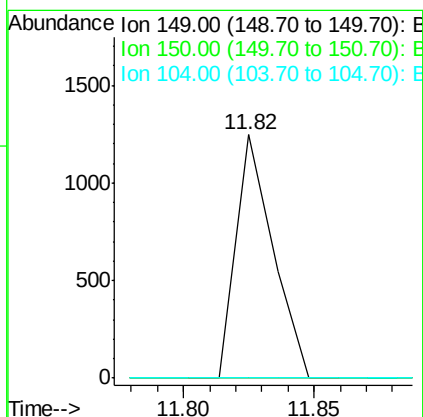
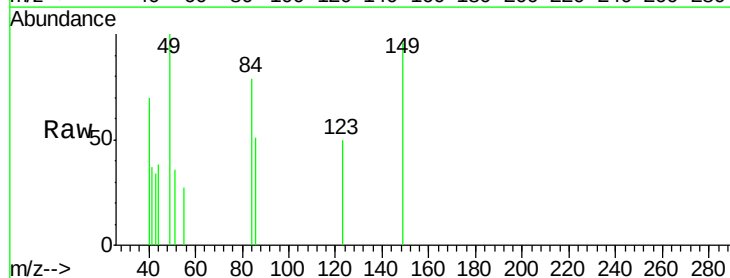
Instrument :
 BNA_F
 ClientSampleId :
 MW-18DL

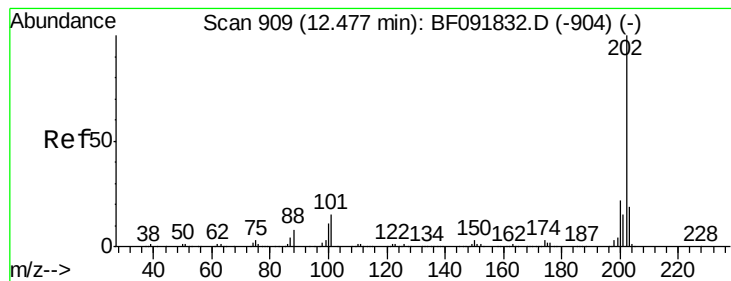
Tgt Ion:188 Resp: 934833
 Ion Ratio Lower Upper
 188 100
 94 13.8 10.0 15.0
 80 14.9 11.2 16.8



#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.82 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF091958.D
 Acq: 24 Dec 2016 8:16

Tgt Ion:149 Resp: 1229
 Ion Ratio Lower Upper
 149 100
 150 0.0 8.1 12.1#
 104 0.0 4.6 7.0#





#74

Fluoranthene

Concen: Below Cal

RT: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091958.D

Acq: 24 Dec 2016 8:16

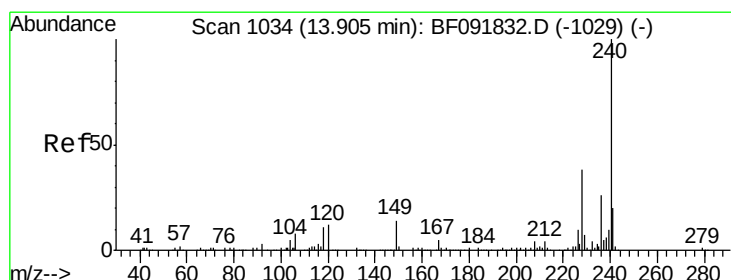
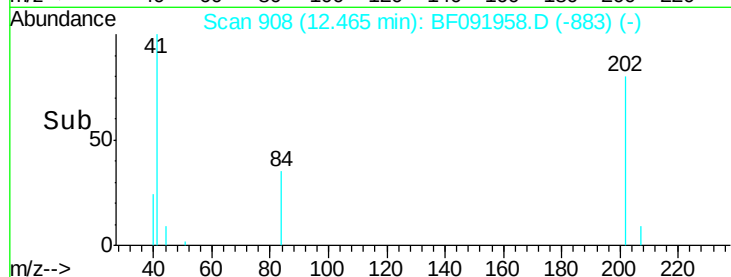
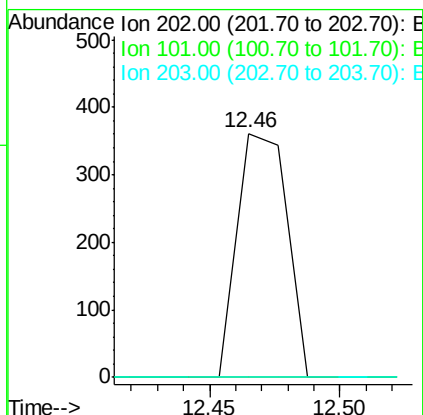
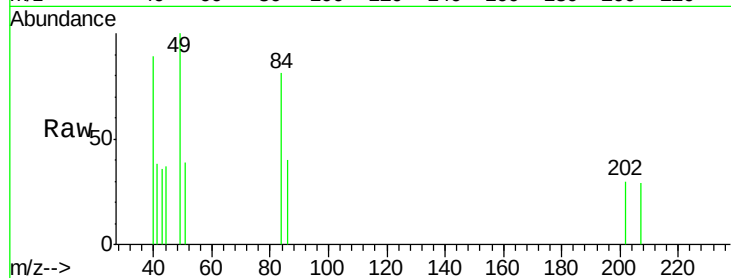
Instrument :

BNA_F

ClientSampleId :

MW-18DL

Tgt Ion:	202	Resp:	483
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

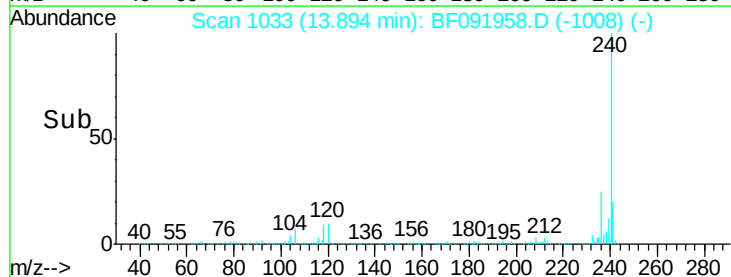
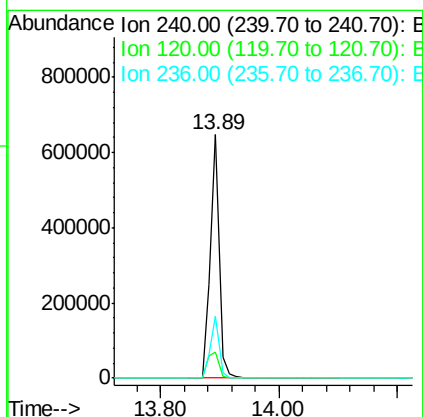
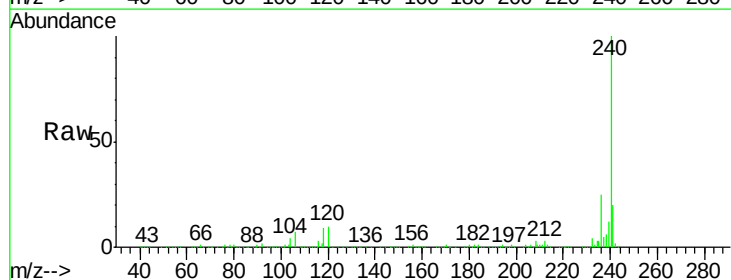
RT: 13.89 min Scan# 1033

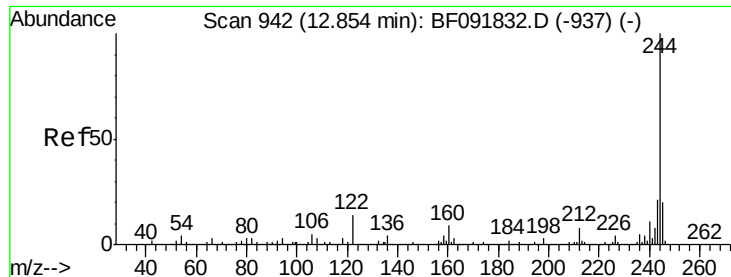
Delta R.T. -0.01 min

Lab File: BF091958.D

Acq: 24 Dec 2016 8:16

Tgt Ion:	240	Resp:	671726
Ion	Ratio	Lower	Upper
240	100		
120	10.5	12.9	19.3#
236	25.3	20.9	31.3





#78

Terphenyl-d14

Concen: 15.04 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091958.D

Acq: 24 Dec 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-18DL

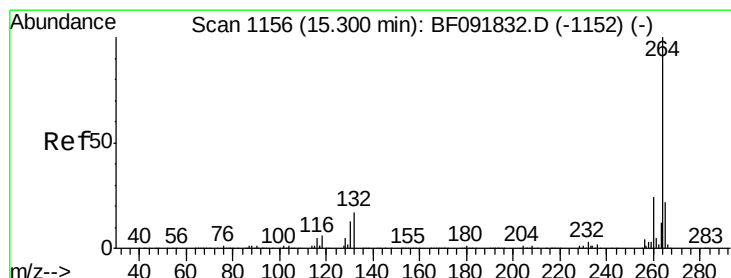
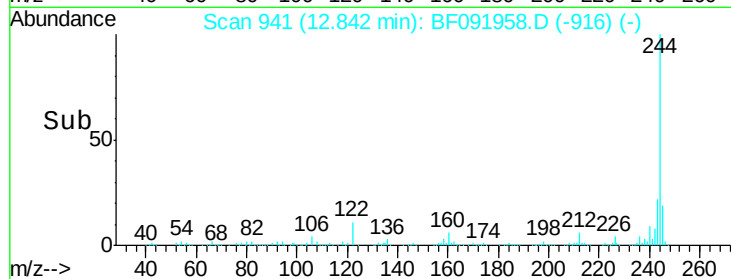
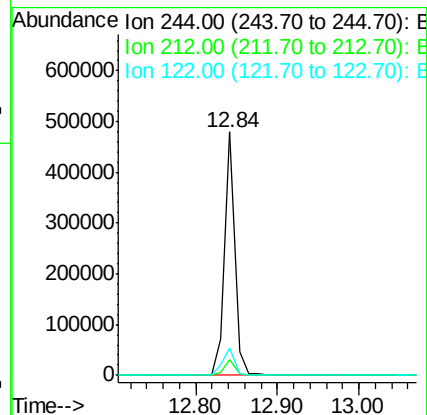
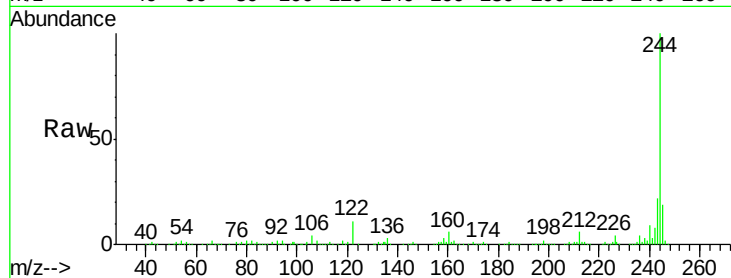
Tgt Ion:244 Resp: 416690

Ion Ratio Lower Upper

244 100

212 6.4 6.2 9.2

122 11.3 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: BF091958.D

Acq: 24 Dec 2016 8:16

Tgt Ion:264 Resp: 642395

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.1 17.4 26.0

