

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
 Data File : BF091867.D
 Acq On : 22 Dec 2016 6:39
 Operator : UM/SJ
 Sample : H6156-13
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-16

Manual Integrations
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Quant Time: Dec 22 15:51:44 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	6.76	152	314808	20.00	ng	0.01
21) Naphthalene-d8	8.03	136	296578	20.00	ng	-0.01
38) Acenaphthene-d10	9.79	164	691656	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	1103623	20.00	ng	0.00
75) Chrysene-d12	13.89	240	884513	20.00	ng	-0.01
86) Perylene-d12	15.29	264	713888	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	847546	44.95	ng	0.02
7) Phenol-d6	6.41	99	1178783	51.21	ng	0.00
23) Nitrobenzene-d5	7.32	82	2327214	436.33	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	753095	131.57	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3041571	91.01	ng	0.00
78) Terphenyl-d14	12.85	244	2570194	70.47	ng	0.00
Target Compounds						
22) Acetophenone	7.17	105	455264	62.24	ng	Qvalue # 91
31) Naphthalene	8.18	128	45431134m	3347.00	ng	
37) 2-Methylnaphthalene	8.77	142	7477646	Below Cal		97
45) 1,1'-Biphenyl	9.22	154	2081414	43.95	ng	99
48) Acenaphthylene	9.65	152	3586750	62.18	ng	98
49) Dimethylphthalate	9.50	163	90843	2.05	ng	# 95
51) Acenaphthene	9.81	154	479843	12.27	ng	98
54) Dibenzofuran	9.98	168	147298	2.79	ng	97
57) Fluorene	10.33	166	405004	10.54	ng	100
70) Phenanthrene	11.29	178	1768236	29.55	ng	99
71) Anthracene	11.33	178	211615	2.52	ng	97
72) Carbazole	11.49	167	283853	4.19	ng	97

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

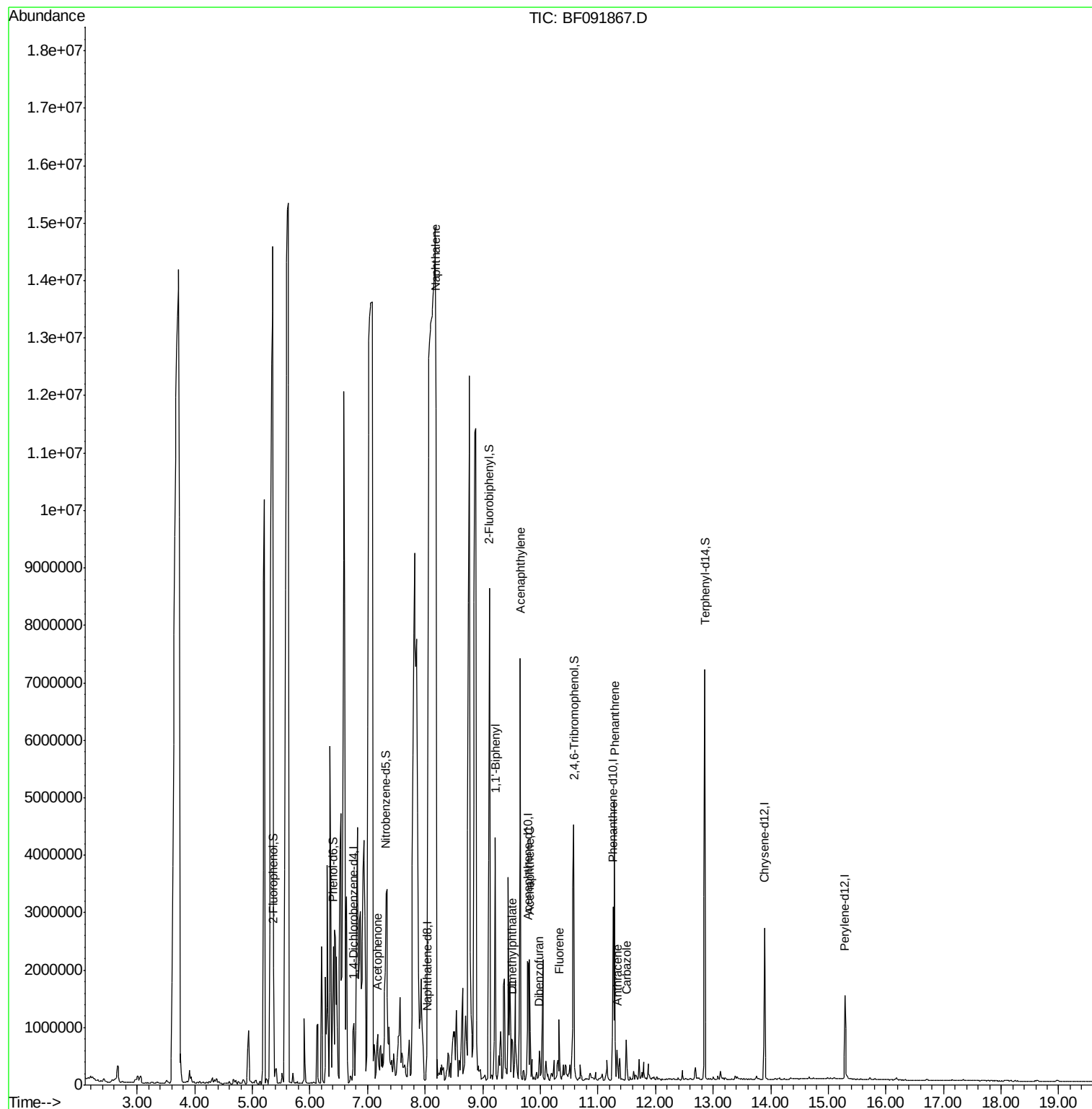
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
Data File : BF091867.D
Acq On : 22 Dec 2016 6:39
Operator : UM/SJ
Sample : H6156-13
Misc :
ALS Vial : 37 Sample Multiplier: 1

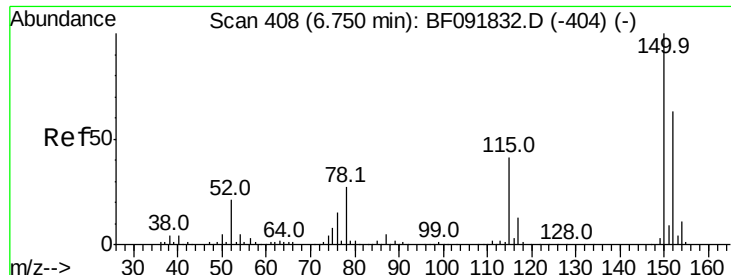
Instrument :
BNA_F
ClientSampleId :
MW-16

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Instrument :

BNA_F

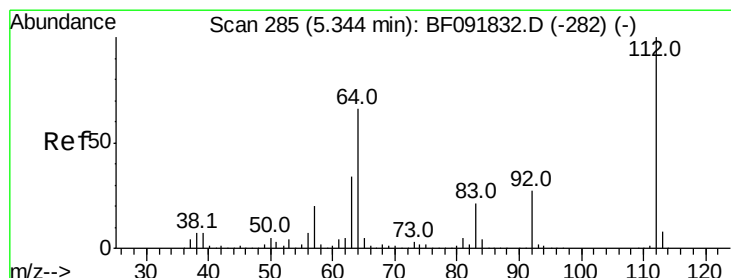
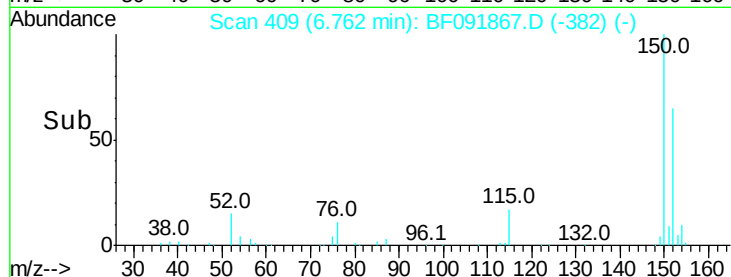
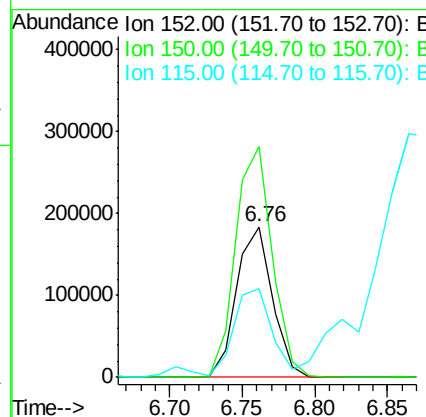
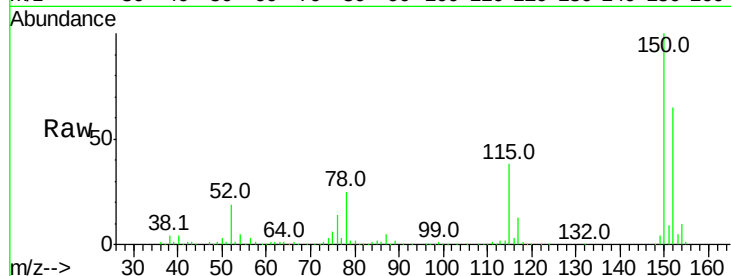
ClientSampled :

MW-16

Tot Ion:	152	Resp:	314808
Ion Ratio	Lower	Upper	
152	100		
150	153.4	124.9	187.3
115	58.7	46.0	69.0

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#5

2-Fluorophenol

Concen: 44.95 ng

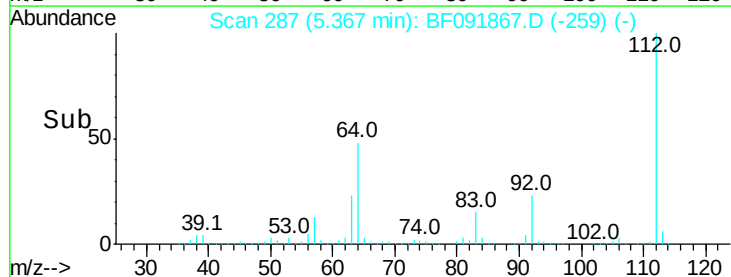
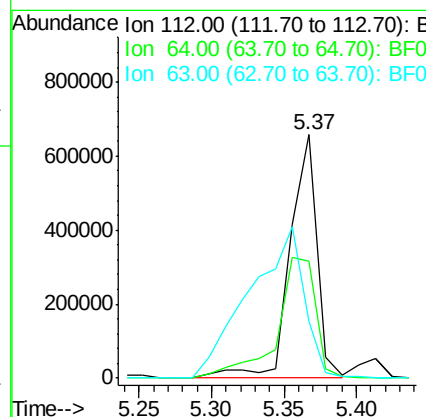
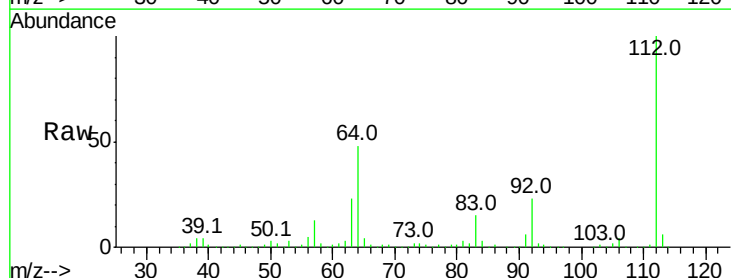
RT: 5.37 min Scan# 287

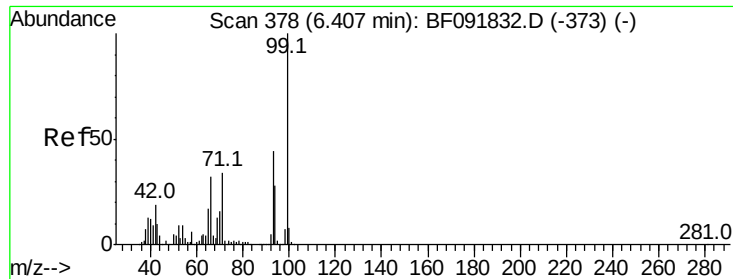
Delta R.T. 0.02 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Tgt Ion:	112	Resp:	847546
Ion Ratio	Lower	Upper	
112	100		
64	48.0	46.1	69.1
63	23.2	23.8	35.6#





#7

Phenol-d6

Concen: 51.21 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Instrument :

BNA_F

ClientSampled :

MW-16

Tot Ion: 99 Resp: 1178783

Ion Ratio Lower Upper

99 100

42 17.2 15.6 23.4

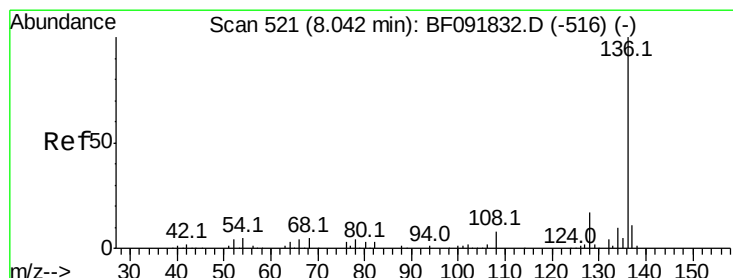
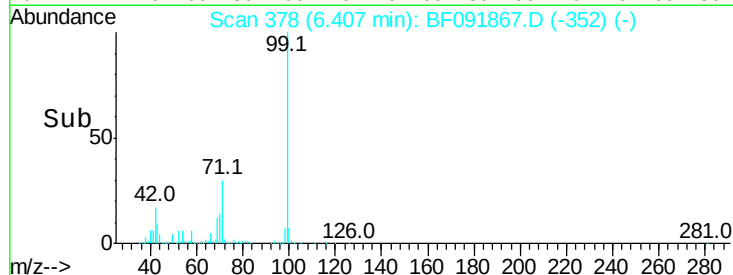
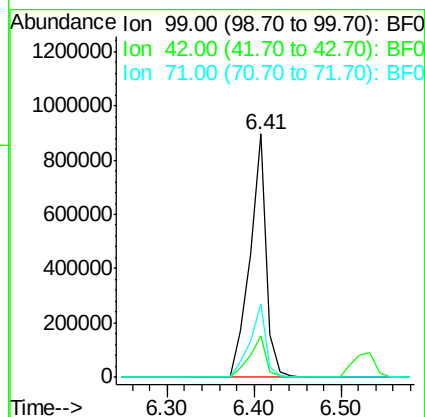
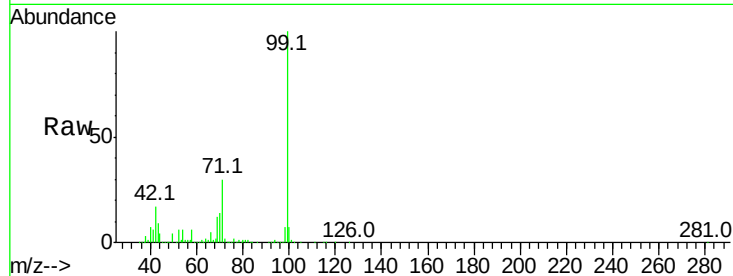
71 29.9 27.5 41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Tgt Ion: 136 Resp: 296578

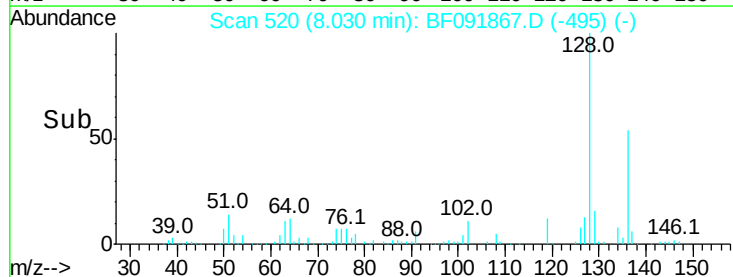
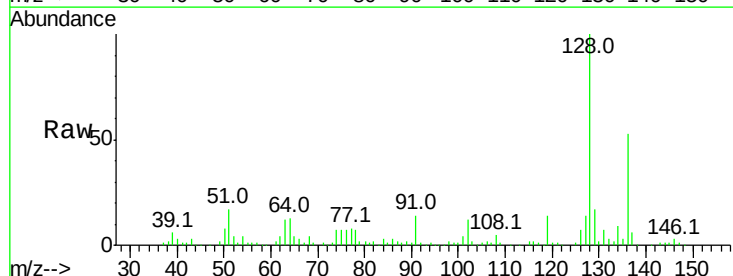
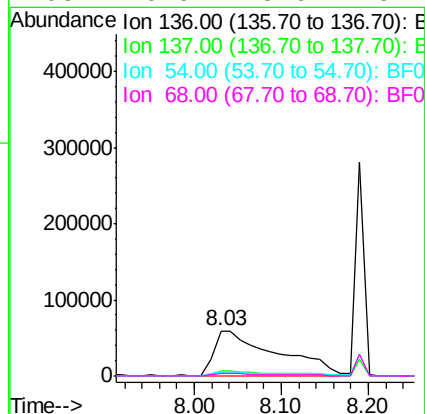
Ion Ratio Lower Upper

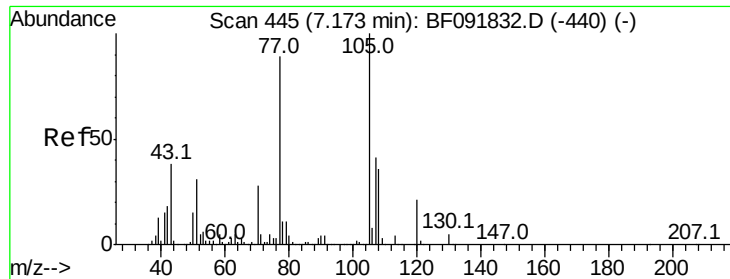
136 100

137 11.3 8.4 12.6

54 7.7 4.5 6.7#

68 6.9 3.6 5.4#





#22

Acetophenone

Concen: 62.24 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Instrument :

BNA_F

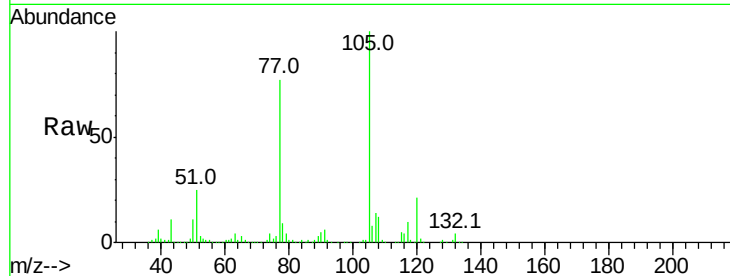
ClientSampled :

MW-16

Tot Ion:	105	Resp:	455264
Ion Ratio	Lower	Upper	
105	100		
71	0.2	3.2	4.8#
51	25.1	26.2	39.4#
120	21.4	16.6	24.8

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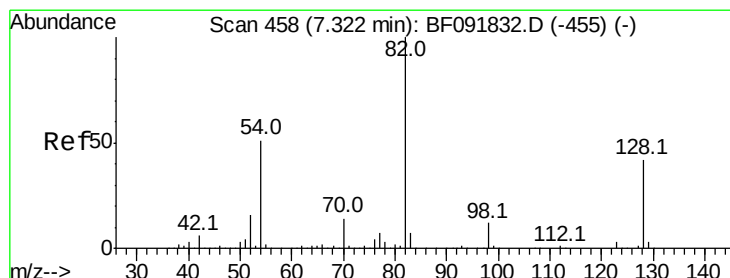
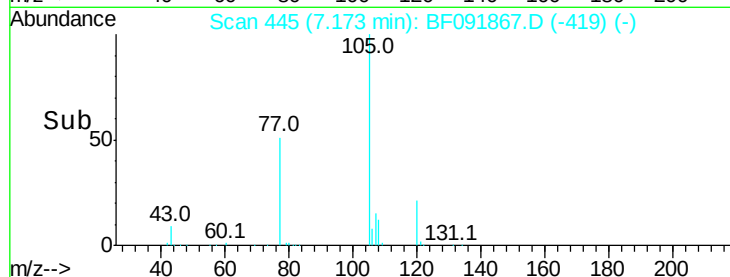
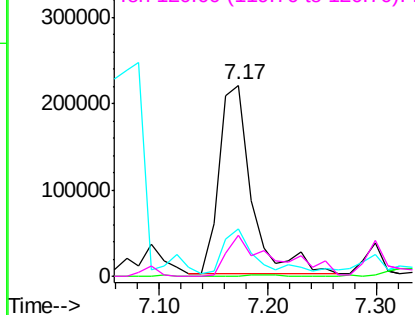


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 436.33 ng

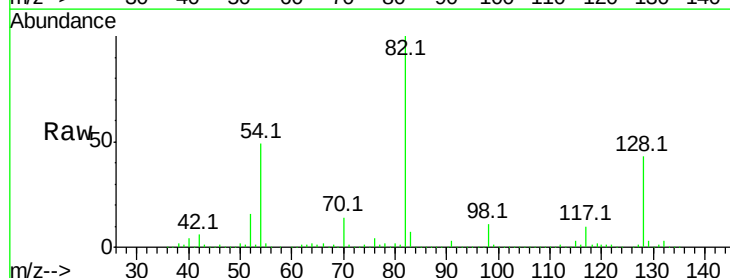
RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

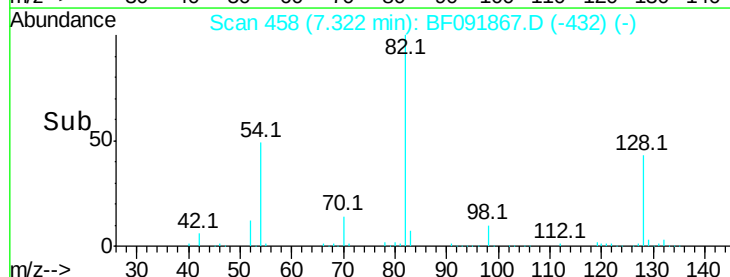
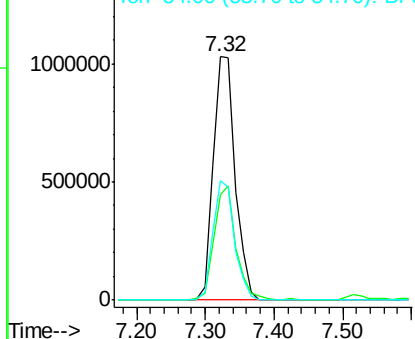
Tgt Ion:	82	Resp:	2327214
Ion Ratio	Lower	Upper	
82	100		
128	43.4	34.6	52.0
54	49.1	39.5	59.3

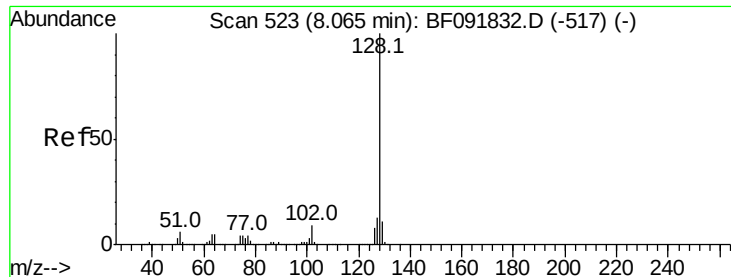


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3347.00 ng/mL

RT: 8.18 min Scan# 533

Delta R.T. 0.11 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Instrument :

BNA_F

ClientSampleId :

MW-16

Tot Ion:128 Resp:45431134

Ion Ratio Lower Upper

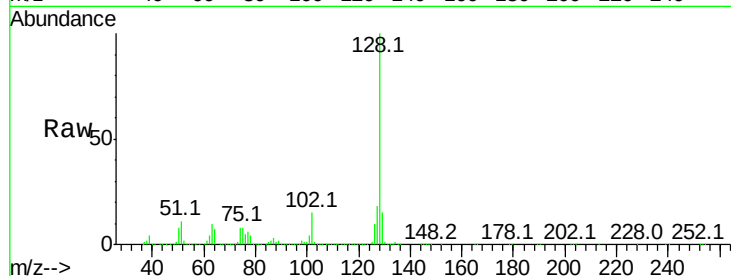
128 100

129 14.5 9.5 14.3#

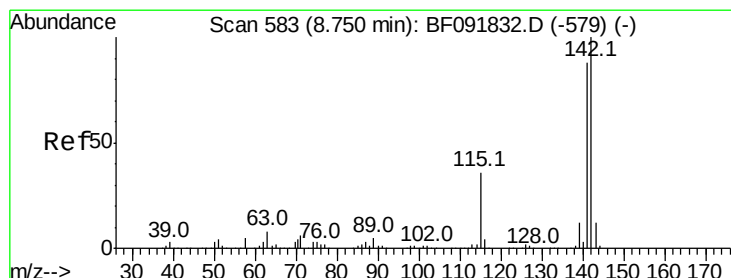
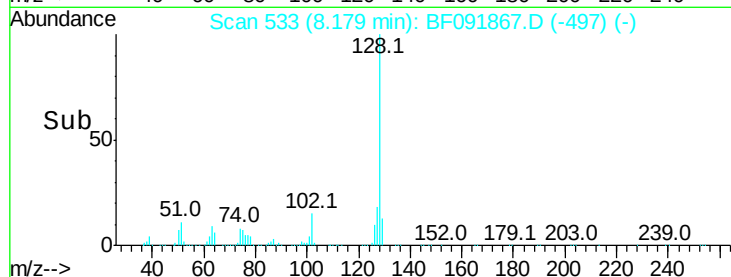
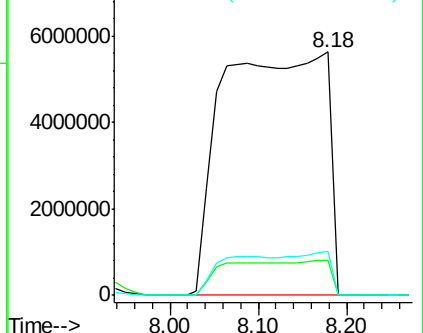
127 18.3 10.8 16.2#

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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



#37

2-Methylnaphthalene

Concen: Below Cal

RT: 8.77 min Scan# 585

Delta R.T. 0.02 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

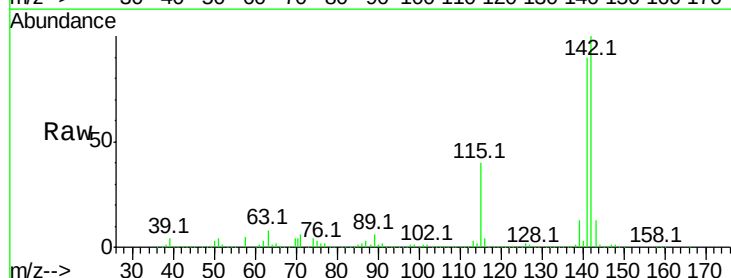
Tgt Ion:142 Resp: 7477646

Ion Ratio Lower Upper

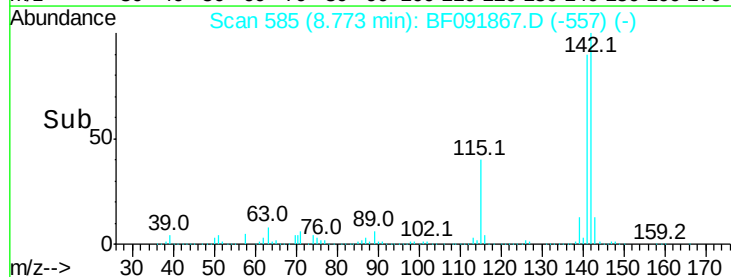
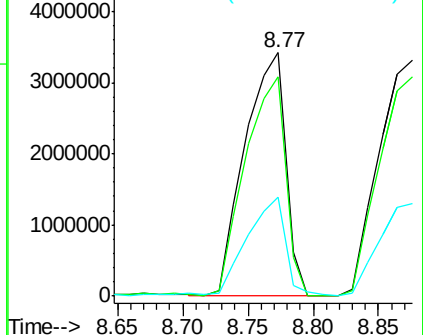
142 100

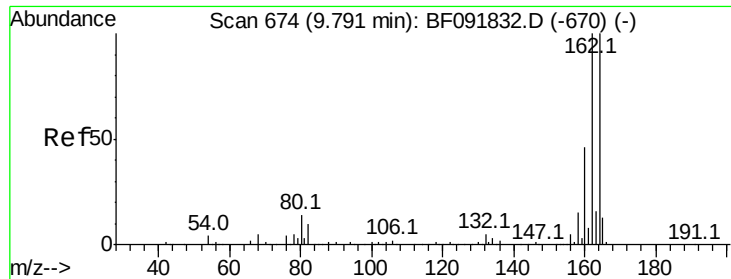
141 90.0 71.0 106.6

115 40.5 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





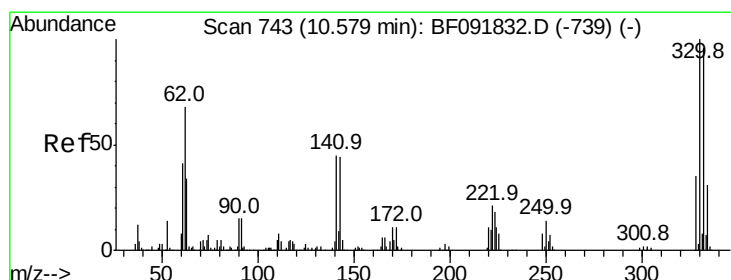
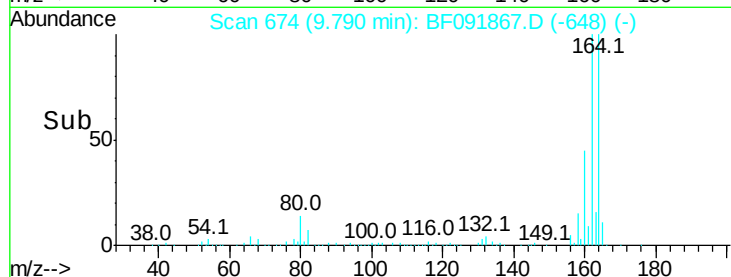
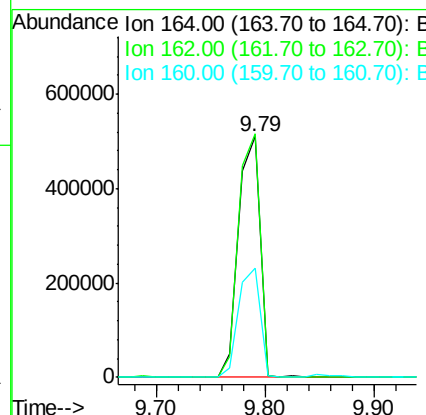
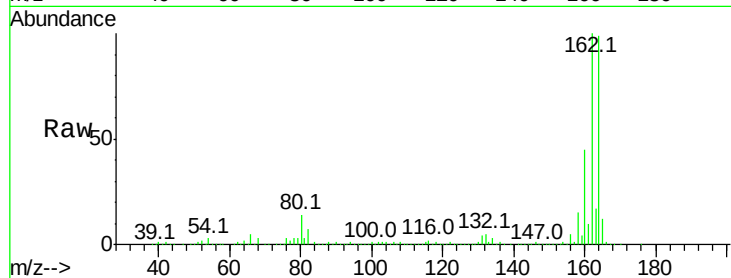
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.00 min
Lab File: BF091867.D
Acq: 22 Dec 2016 6:39

Instrument :
BNA_F
ClientSampled :
MW-16

Tot Ion	Ratio	Resp	Lower	Upper
164	100	691656		
162	101.2	80.2	120.2	
160	45.2	36.9	55.3	

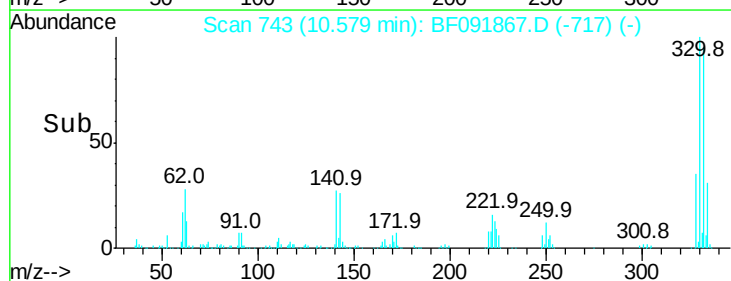
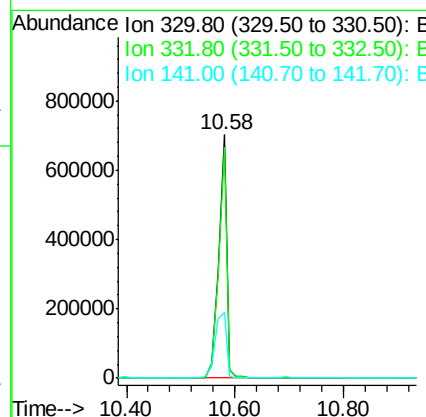
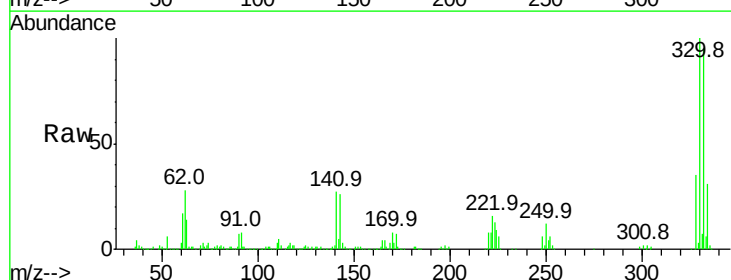
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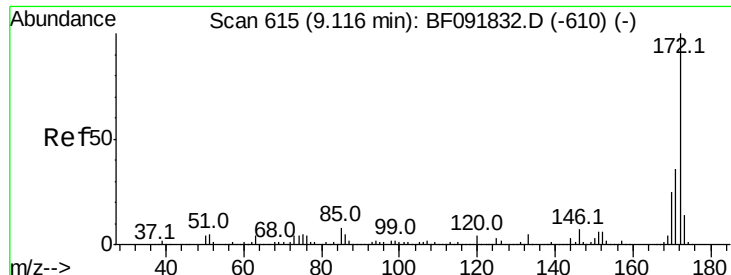
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#41
2,4,6-Tribromophenol
Concen: 131.57 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF091867.D
Acq: 22 Dec 2016 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	753095		
332	95.2	77.4	116.2	
141	36.8	34.1	51.1	





#44

2-Fluorobiphenyl

Concen: 91.01 ng

RT: 9.12 min Scan# 615

Delta R.T. 0.00 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Instrument :

BNA_F

ClientSampleId :

MW-16

Tot Ion:172 Resp: 3041571

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.0
170	25.6	20.2	30.4

172 100

171 37.2 29.4 44.0

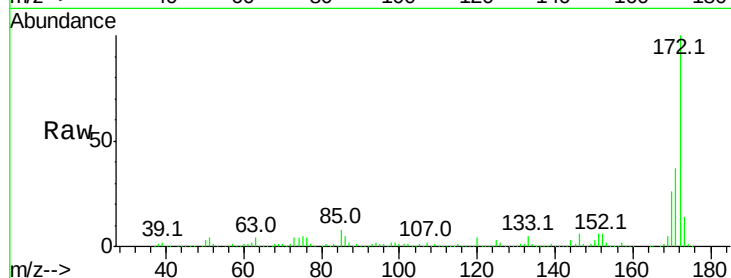
170 25.6 20.2 30.4

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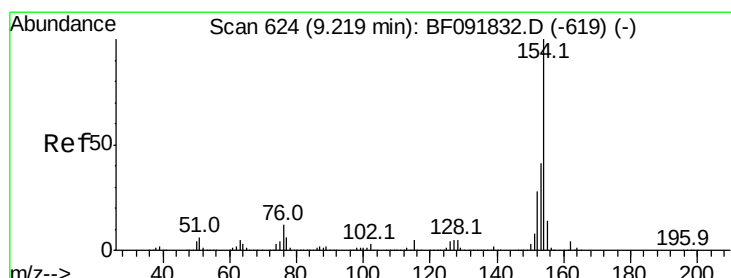
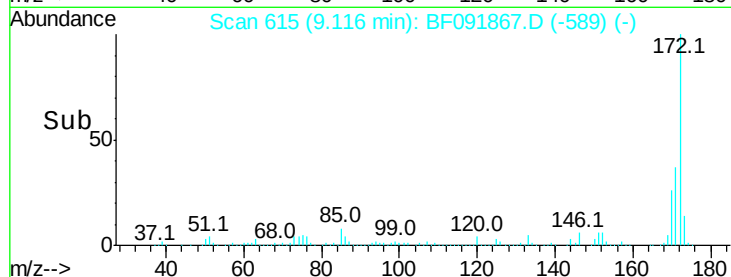
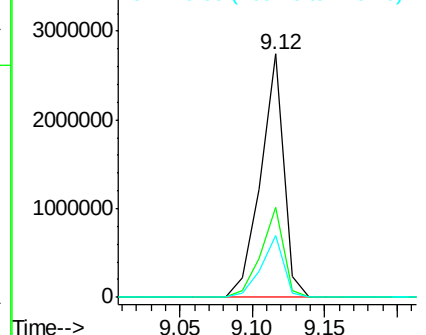
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 43.95 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.00 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

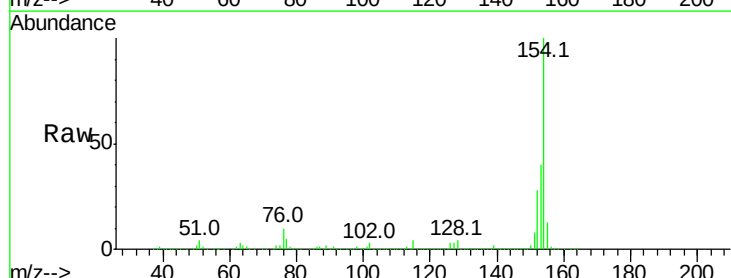
Tgt Ion:154 Resp: 2081414

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.9	60.9
76	10.3	0.0	30.5

154 100

153 40.5 20.9 60.9

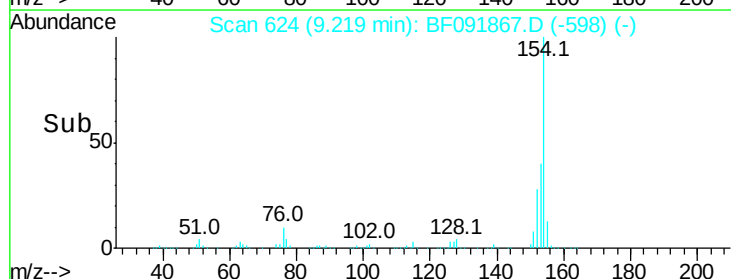
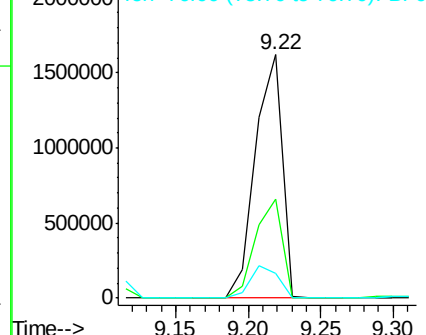
76 10.3 0.0 30.5

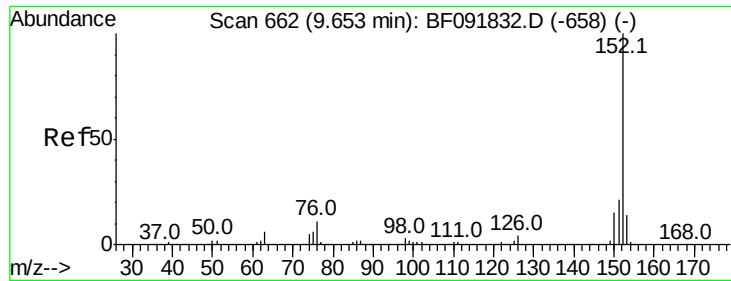


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 62.18 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.00 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Instrument :

BNA_F

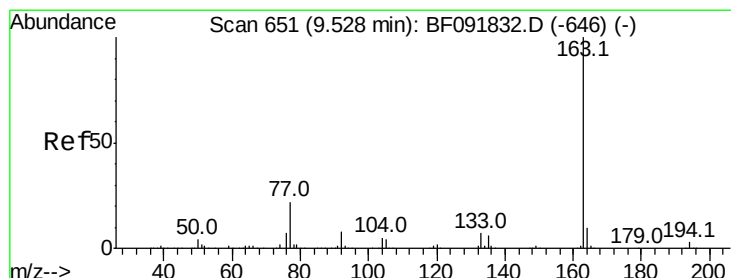
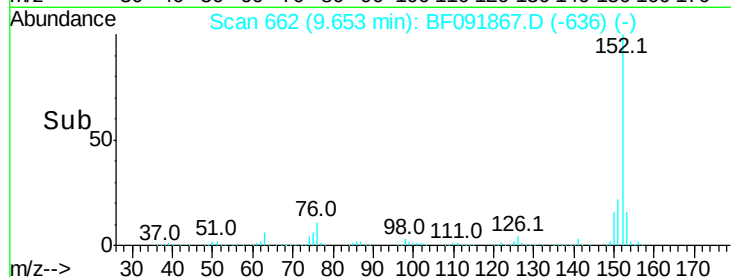
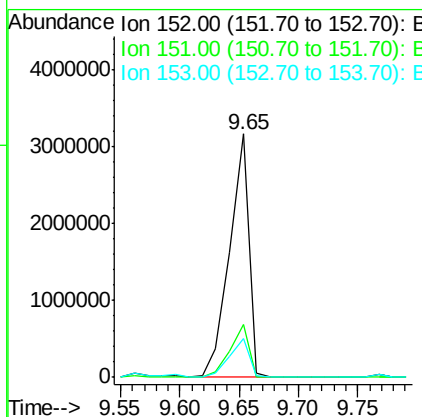
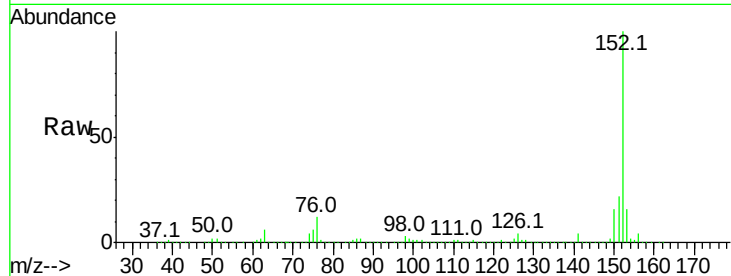
ClientSampleId :

MW-16

Tot Ion:	152	Resp:	3586750
Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.9	25.3
153	16.0	11.4	17.2

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#49

Dimethylphthalate

Concen: 2.05 ng

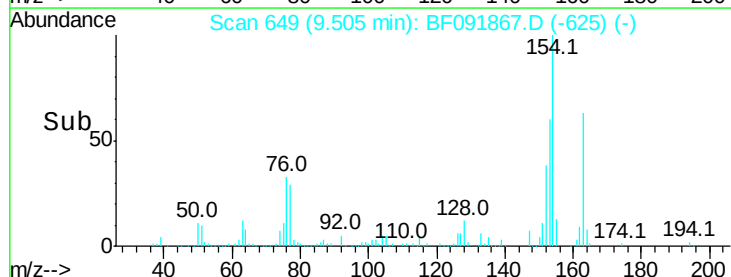
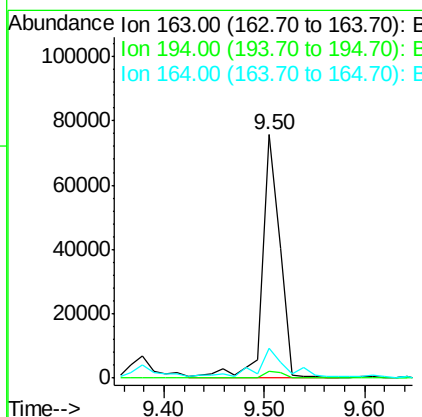
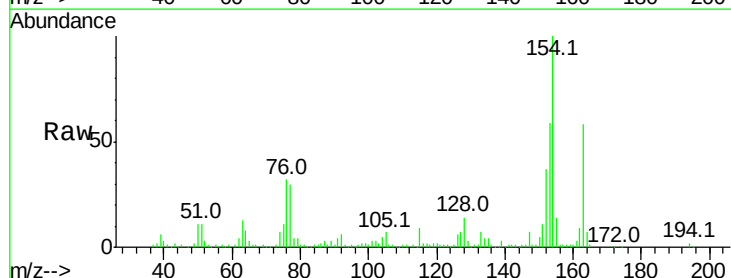
RT: 9.50 min Scan# 649

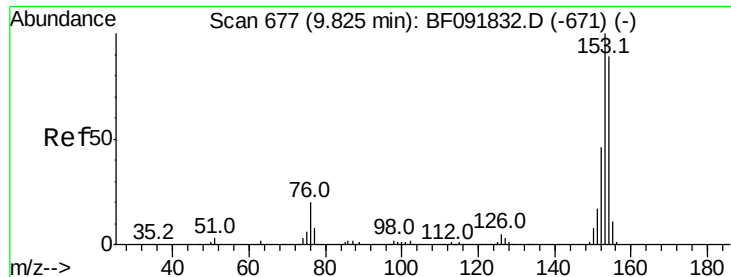
Delta R.T. -0.02 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Tgt Ion:	163	Resp:	90843
Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.0	4.4#
164	12.2	8.0	12.0#





#51

Acenaphthene

Concen: 12.27 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Instrument :

BNA_F

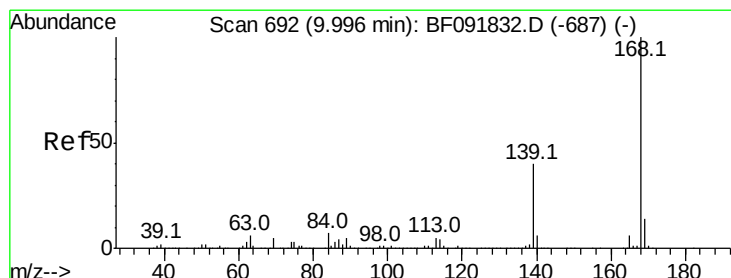
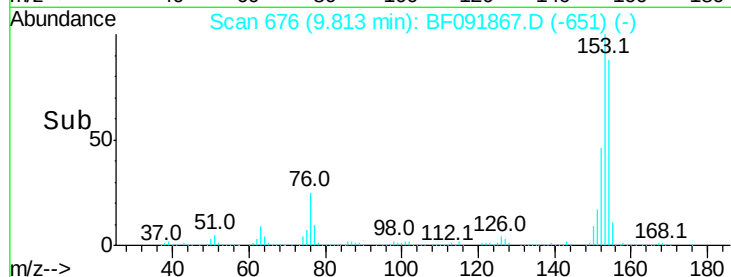
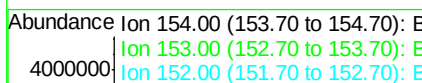
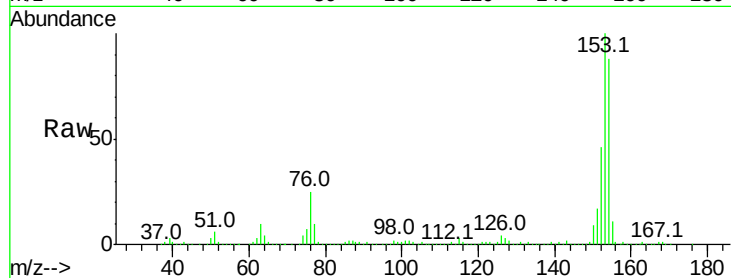
ClientSampleId :

MW-16

Tot Ion:	154	Resp:	479843
Ion Ratio	Lower	Upper	
154	100		
153	113.2	88.6	133.0
152	51.7	41.6	62.4

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#54

Dibenzofuran

Concen: 2.79 ng

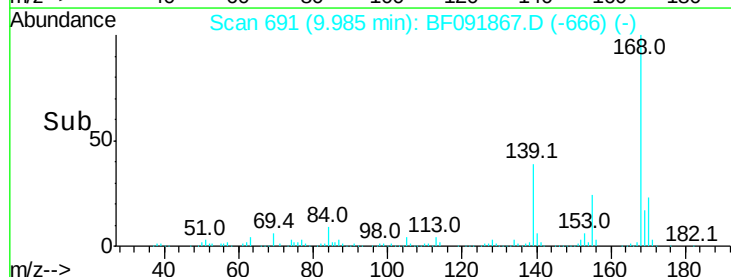
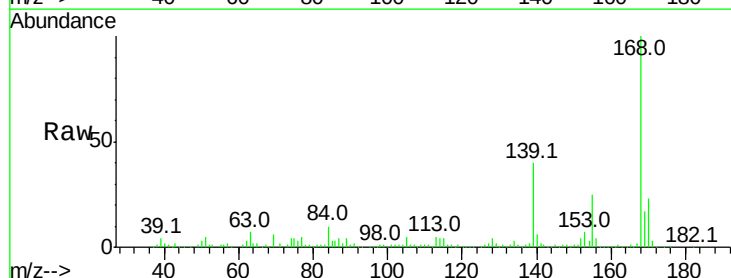
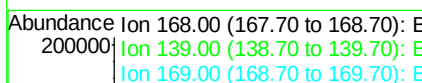
RT: 9.98 min Scan# 691

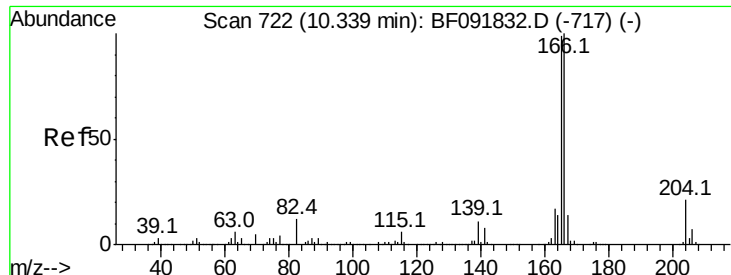
Delta R.T. -0.01 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Tgt Ion:	168	Resp:	147298
Ion Ratio	Lower	Upper	
168	100		
139	39.6	32.6	49.0
169	16.7	11.3	16.9





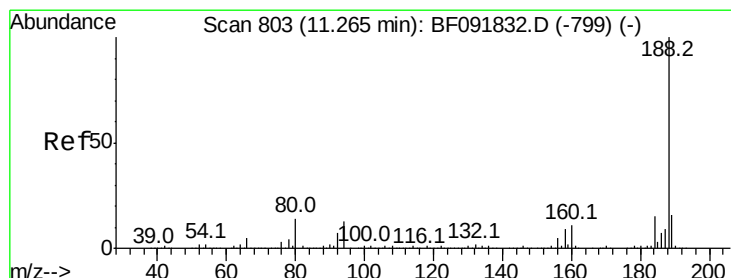
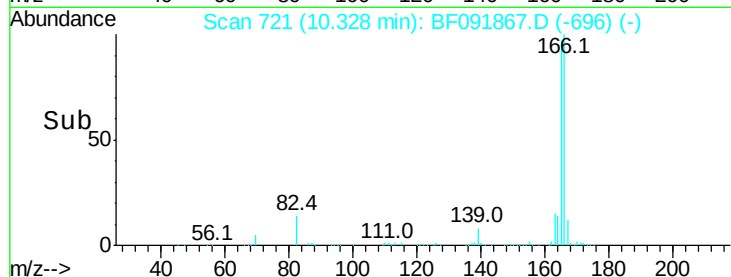
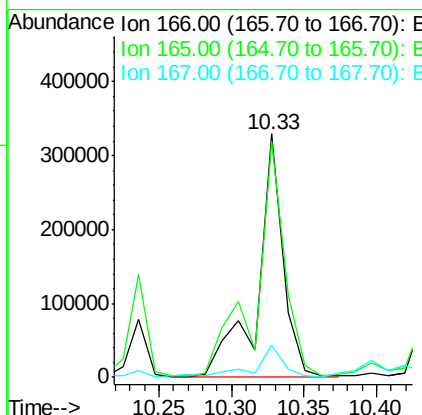
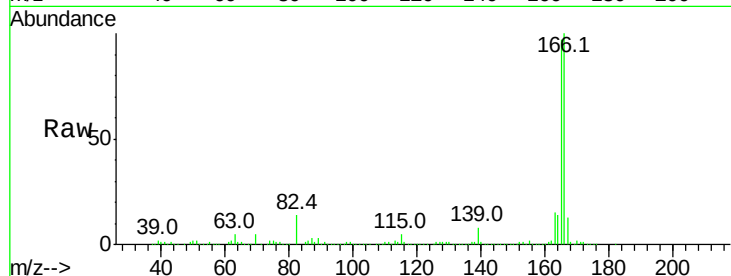
#57
Fluorene
 Concen: 10.54 ng
 RT: 10.33 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BF091867.D
 Acq: 22 Dec 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 MW-16

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.8	116.8
167	13.3	10.8	16.2

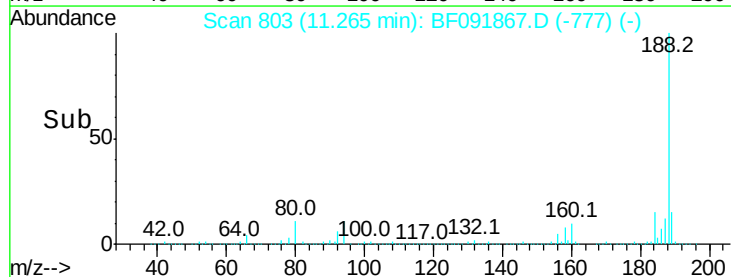
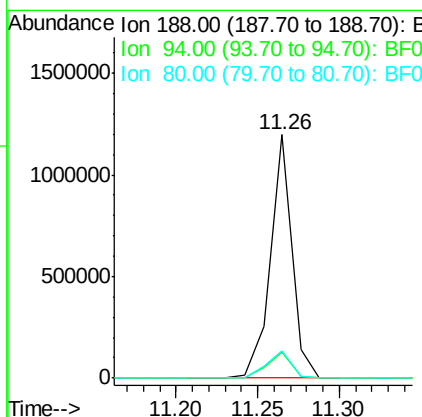
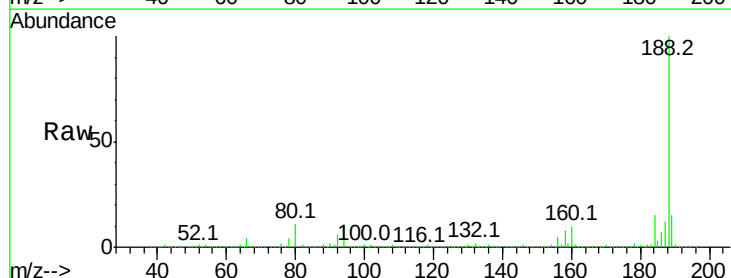
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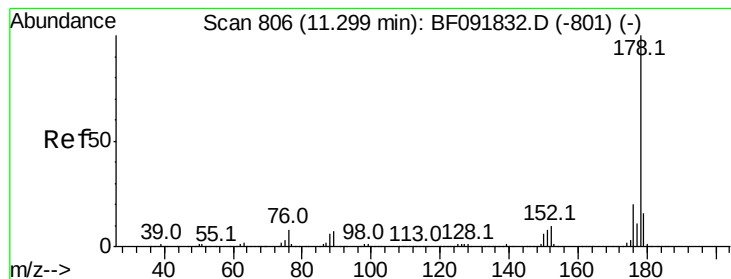
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091867.D
 Acq: 22 Dec 2016 6:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	10.0	15.0
80	11.4	11.2	16.8





#70

Phenanthrene

Concen: 29.55 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Instrument :

BNA_F

ClientSampleId :

MW-16

Tot Ion:178 Resp: 1768236

Ion Ratio Lower Upper

178 100

176 20.3 16.6 25.0

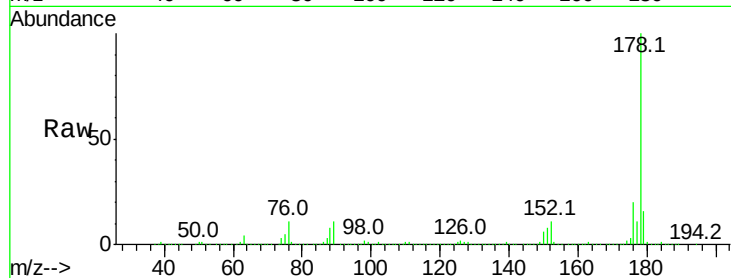
179 16.3 12.8 19.2

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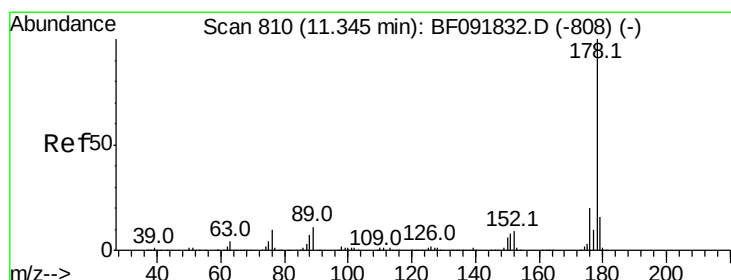
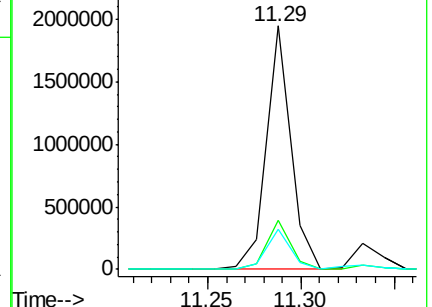
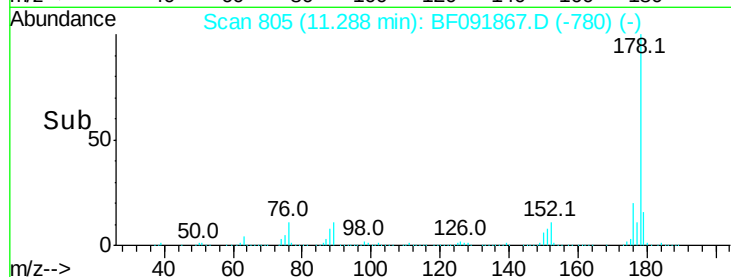
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.52 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

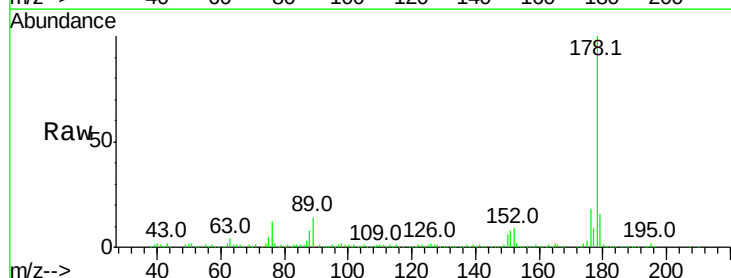
Tgt Ion:178 Resp: 211615

Ion Ratio Lower Upper

178 100

176 18.0 15.9 23.9

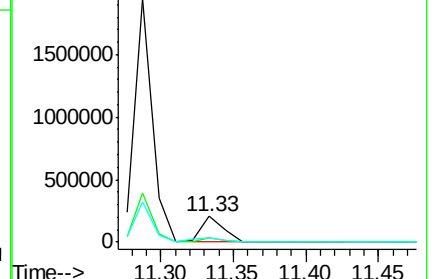
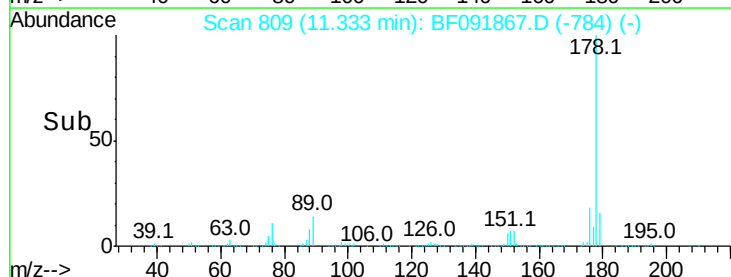
179 16.3 13.2 19.8

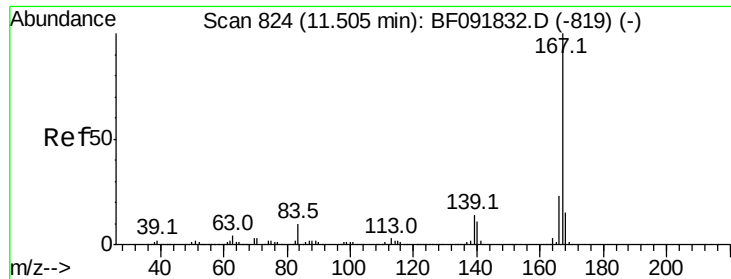


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.19 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Instrument :

BNA_F

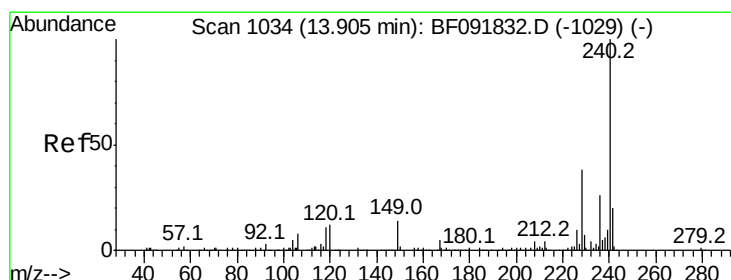
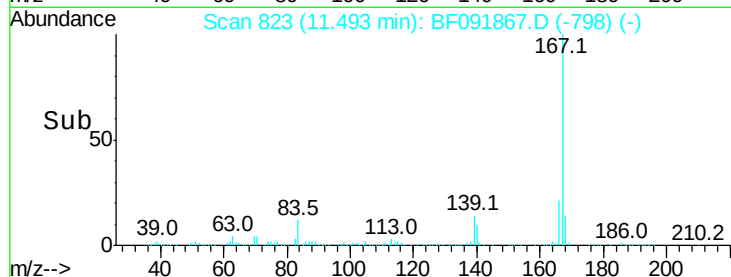
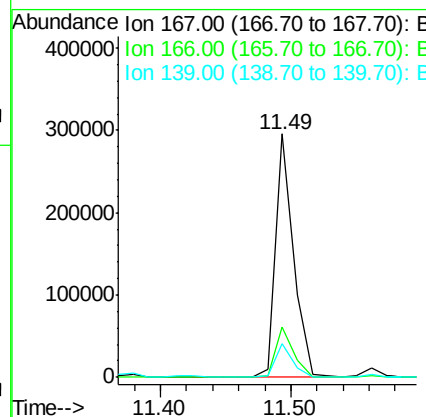
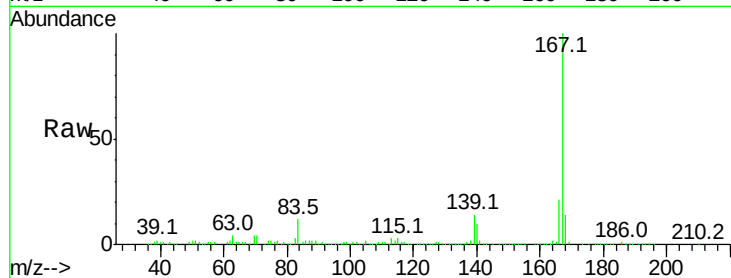
ClientSampled :

MW-16

Tot Ion:	167	Resp:	283853
Ion Ratio	Lower	Upper	
167	100		
166	20.8	18.2	27.2
139	14.0	11.4	17.2

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#75

Chrysene-d12

Concen: 20.00 ng

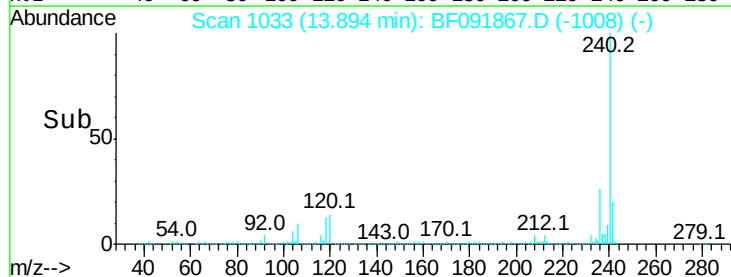
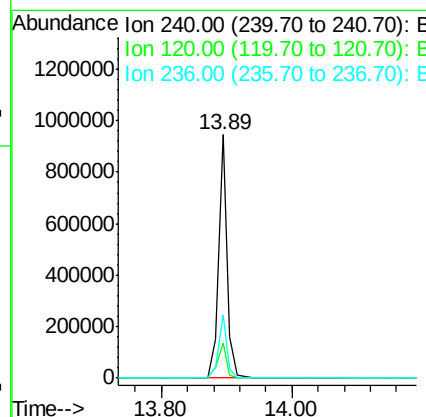
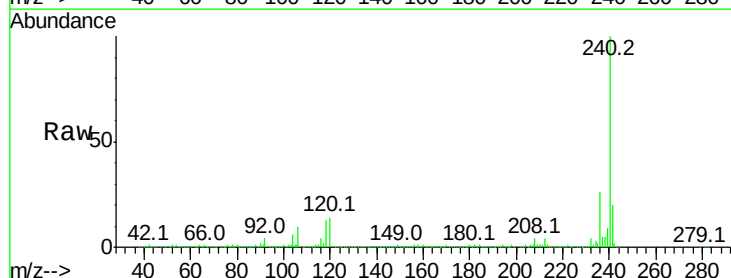
RT: 13.89 min Scan# 1033

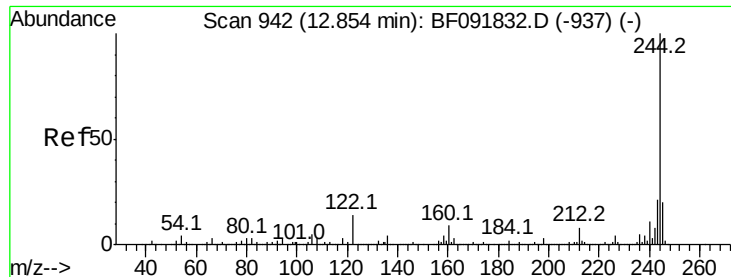
Delta R.T. -0.01 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Tgt Ion:	240	Resp:	884513
Ion Ratio	Lower	Upper	
240	100		
120	14.5	12.9	19.3
236	25.7	20.9	31.3





#78

Terphenyl-d14

Concen: 70.47 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Instrument :

BNA_F

ClientSampleId :

MW-16

Tot Ion:244 Resp: 2570194

Ion Ratio Lower Upper

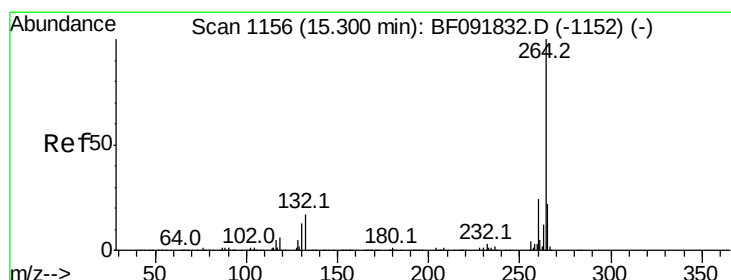
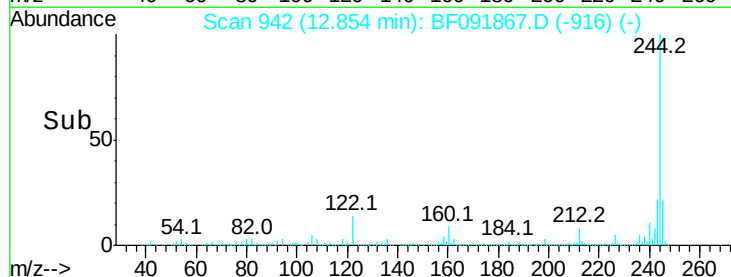
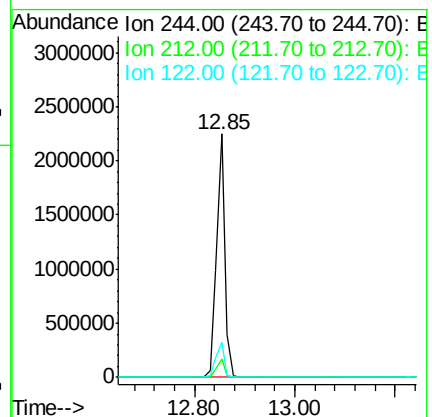
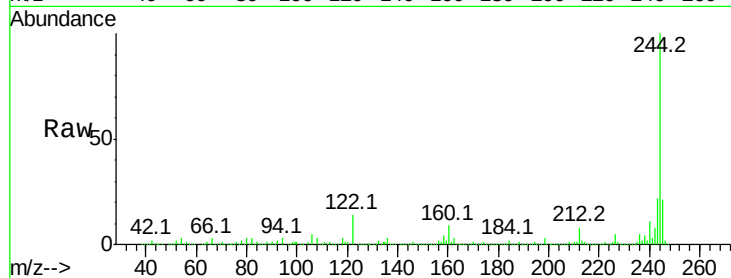
244 100

212 7.7 6.2 9.2

122 14.5 11.4 17.2

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#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF091867.D

Acq: 22 Dec 2016 6:39

Tgt Ion:264 Resp: 713888

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.0 17.4 26.0

