

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
 Data File : BF091862.D
 Acq On : 22 Dec 2016 4:23
 Operator : UM/SJ
 Sample : H6156-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11C

Manual Integrations
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Quant Time: Dec 22 15:53:00 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	296090	20.00	ng	0.01
21) Naphthalene-d8	8.04	136	215012m	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	661302	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	1018451	20.00	ng	0.00
75) Chrysene-d12	13.89	240	796972	20.00	ng	-0.01
86) Perylene-d12	15.29	264	629609	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	480371	27.09	ng	0.01
7) Phenol-d6	6.41	99	902786	41.70	ng	0.00
23) Nitrobenzene-d5	7.33	82	2144981	554.73	ng	0.01
41) 2,4,6-Tribromophenol	10.58	330	677641	123.82	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	2897197	90.62	ng	0.00
78) Terphenyl-d14	12.85	244	2207818	67.19	ng	0.00
Target Compounds						
31) Naphthalene	8.22	128	62187947m	6319.52	ng	Qvalue
37) 2-Methylnaphthalene	8.77	142	11457531m	Below Cal		
45) 1,1'-Biphenyl	9.22	154	2594919	57.31	ng	96
48) Acenaphthylene	9.65	152	3745605	67.92	ng	# 95
51) Acenaphthene	9.82	154	682594	18.26	ng	96
54) Dibenzofuran	9.98	168	224061	4.44	ng	# 98
57) Fluorene	10.34	166	1863173	50.72	ng	98
70) Phenanthrene	11.29	178	2295169	41.56	ng	99
71) Anthracene	11.33	178	308623m	4.36	ng	
72) Carbazole	11.49	167	472229	7.65	ng	98
77) Pyrene	12.69	202	199339	3.41	ng	98

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

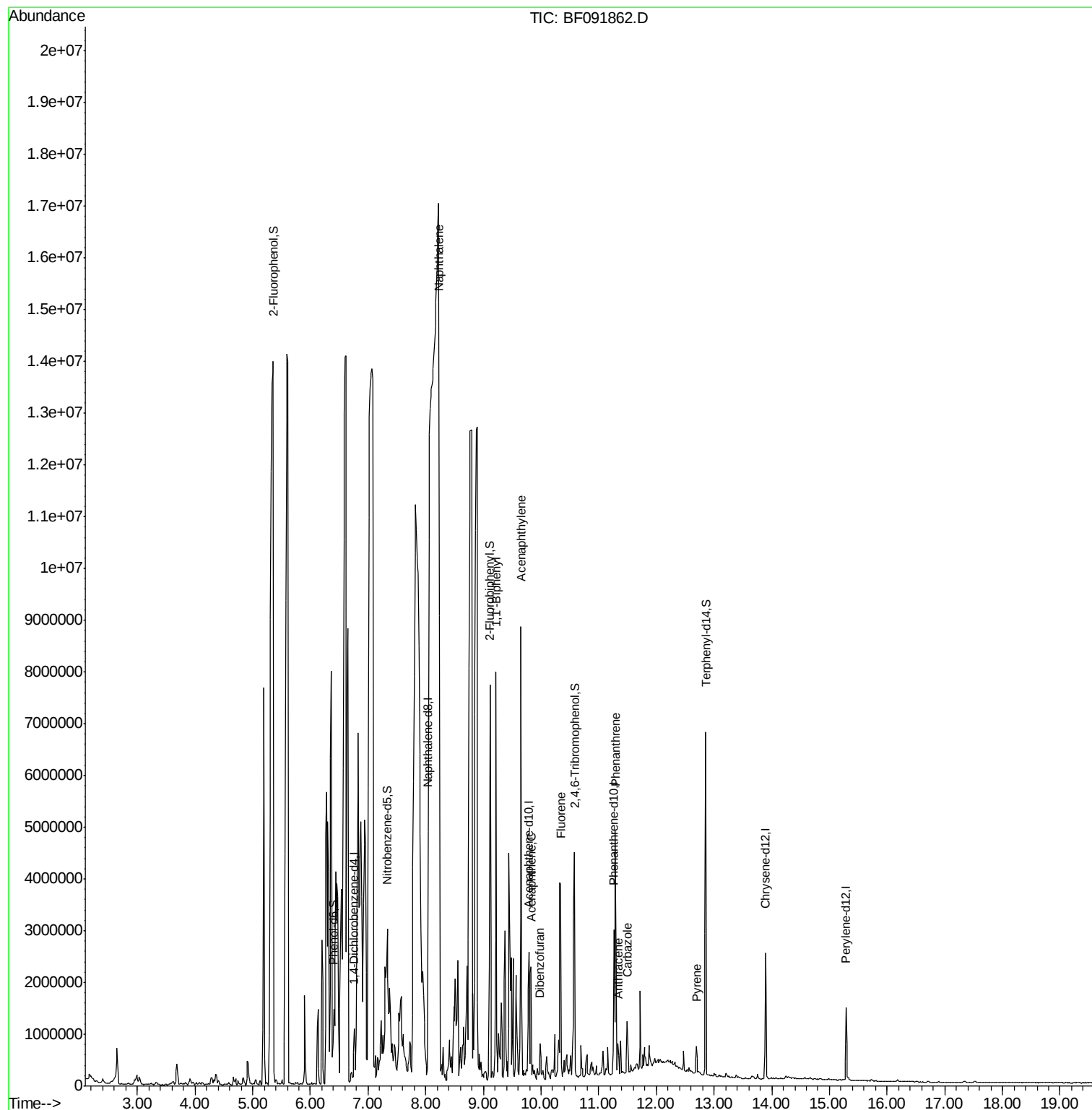
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
Data File : BF091862.D
Acq On : 22 Dec 2016 4:23
Operator : UM/SJ
Sample : H6156-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

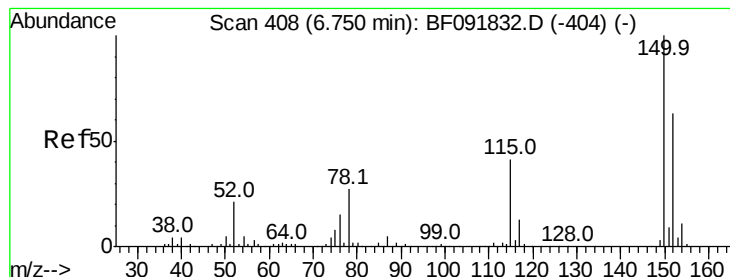
Instrument :
BNA_F
ClientSampleId :
MW-11C

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Instrument :

BNA_F

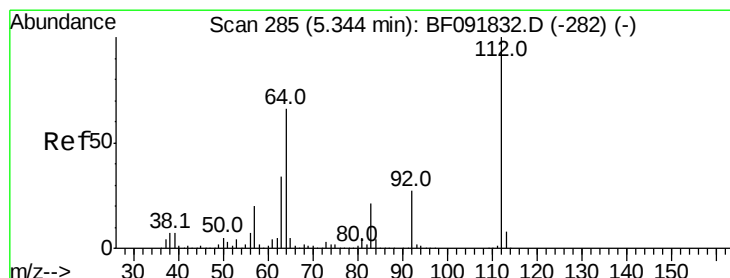
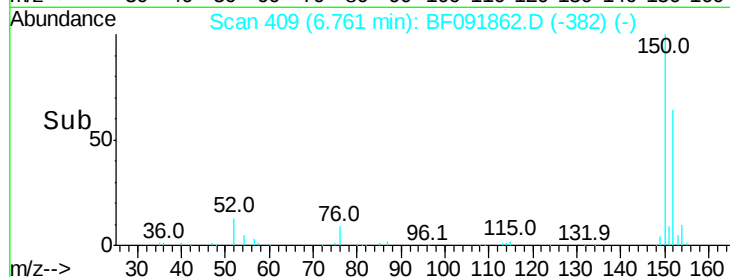
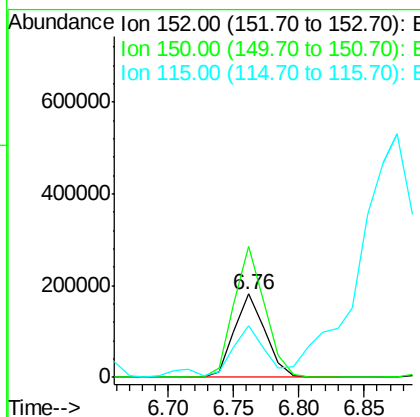
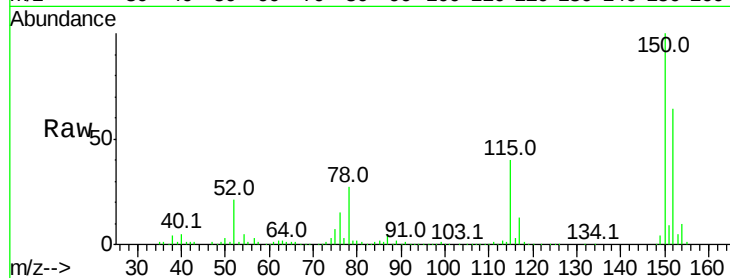
ClientSampled :

MW-11C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.9	187.3
115	62.1	46.0	69.0

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#5

2-Fluorophenol

Concen: 27.09 ng

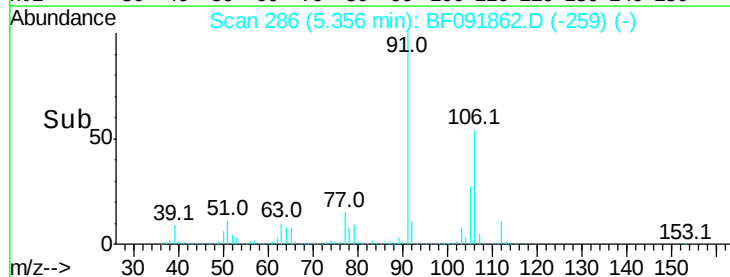
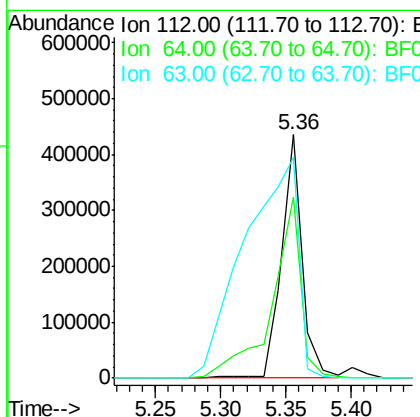
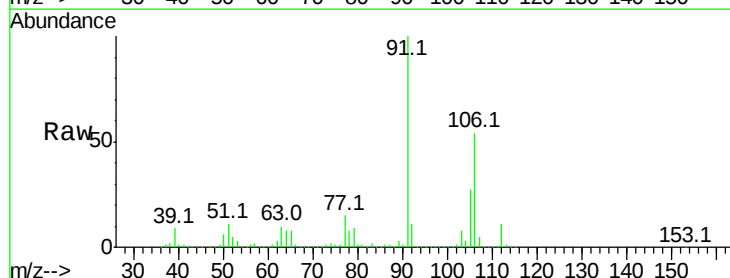
RT: 5.36 min Scan# 286

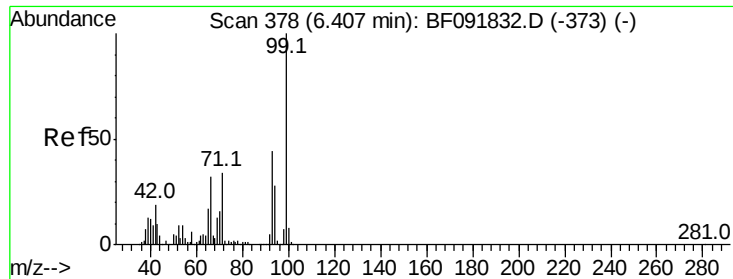
Delta R.T. 0.01 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.5	46.1	69.1#
63	90.7	23.8	35.6#





#7

Phenol-d6

Concen: 41.70 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Instrument :

BNA_F

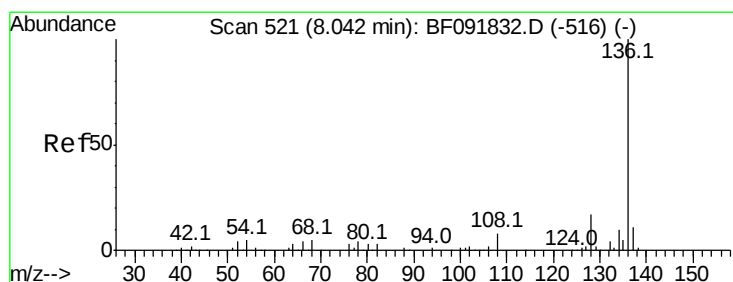
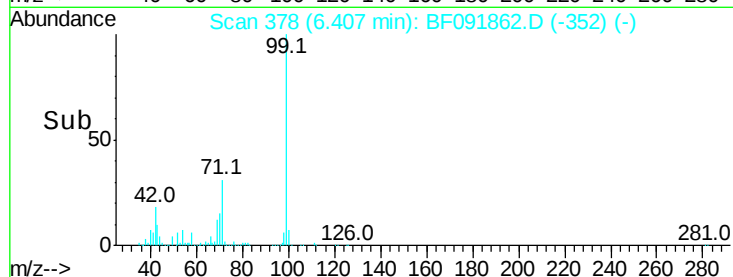
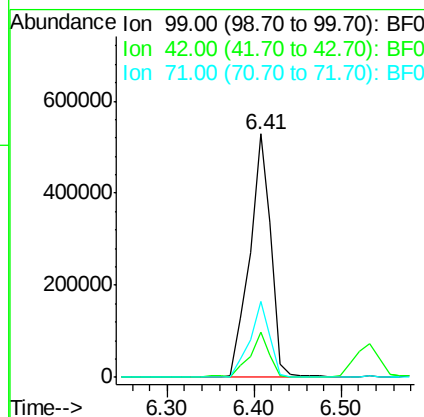
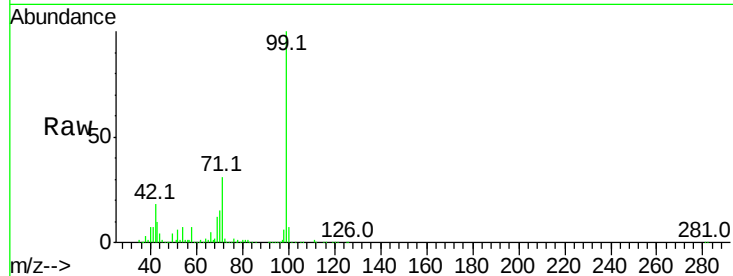
ClientSampleId :

MW-11C

Tot Ion:	99	Resp:	902786
Ion Ratio	Lower	Upper	
99	100		
42	18.5	15.6	23.4
71	31.2	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng m

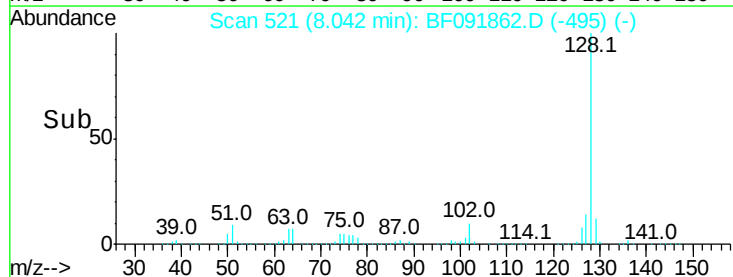
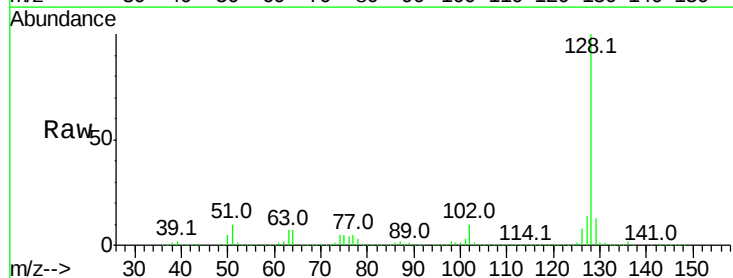
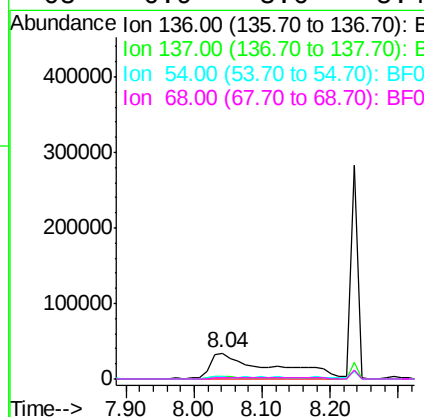
RT: 8.04 min Scan# 521

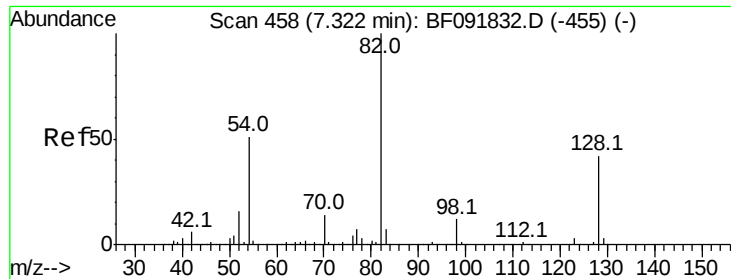
Delta R.T. -0.00 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Tgt Ion:	136	Resp:	215012
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.4	12.6
54	9.1	4.5	6.7#
68	6.9	3.6	5.4#





#23

Nitrobenzene-d5

Concen: 554.73 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.01 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Instrument :

BNA_F

ClientSampleId :

MW-11C

Tot Ion: 82 Resp: 2144981

Ion Ratio Lower Upper

82 100

128 47.7 34.6 52.0

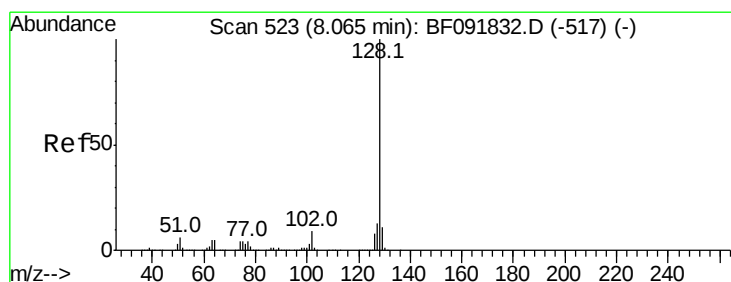
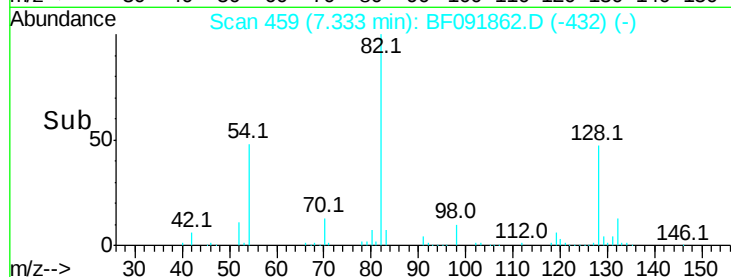
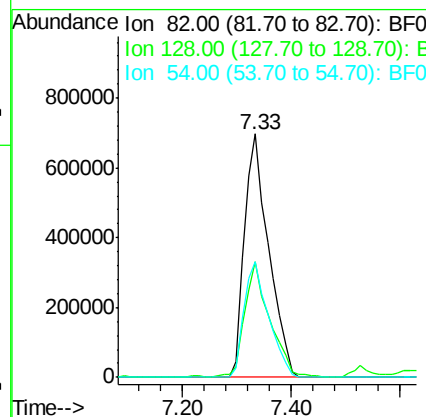
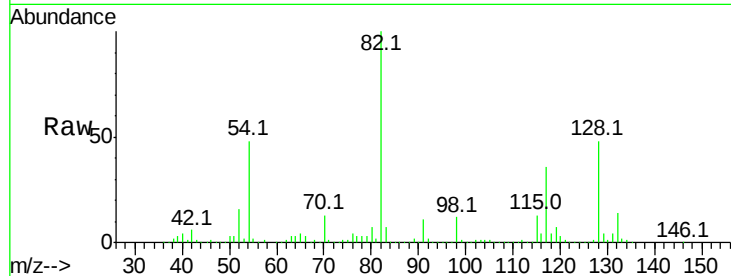
54 47.6 39.5 59.3

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#31

Naphthalene

Concen: 6319.52 ng m

RT: 8.22 min Scan# 537

Delta R.T. 0.16 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

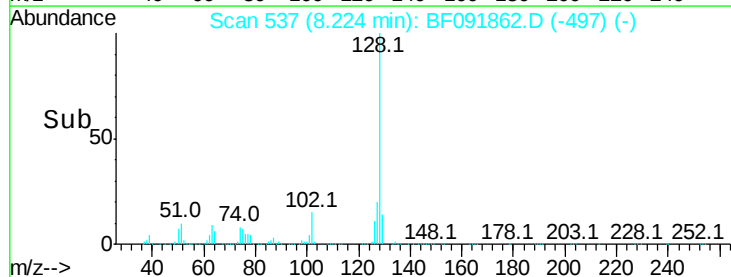
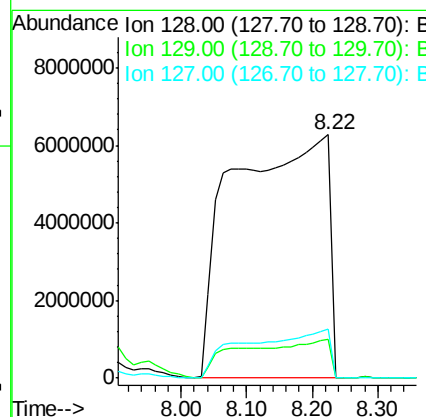
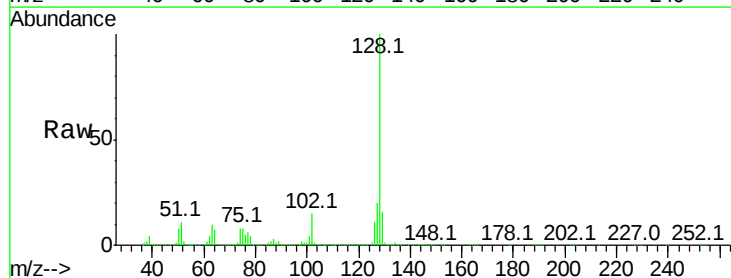
Tgt Ion:128 Resp:62187947

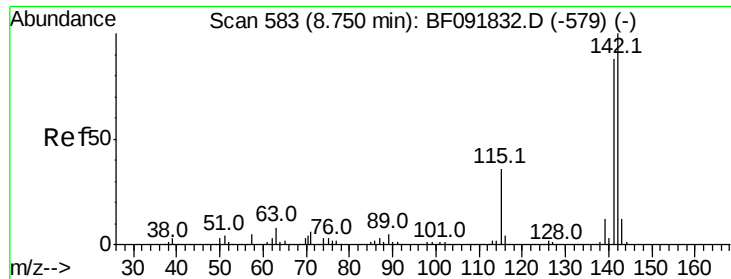
Ion Ratio Lower Upper

128 100

129 15.8 9.5 14.3#

127 20.0 10.8 16.2#





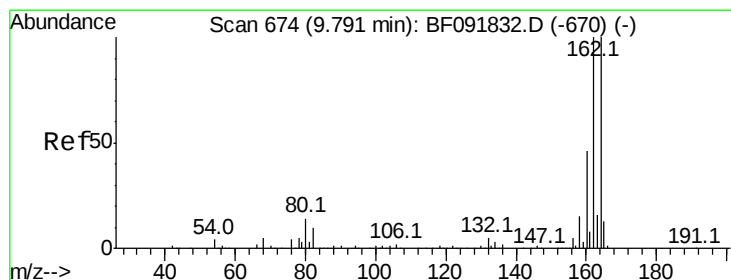
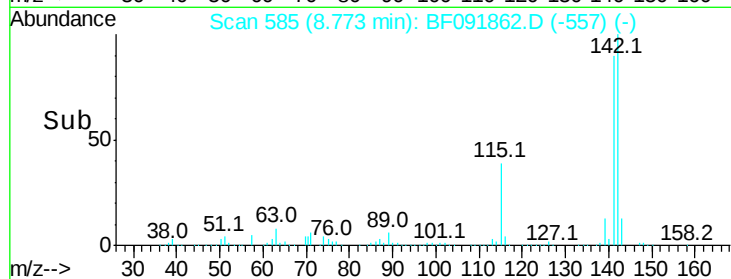
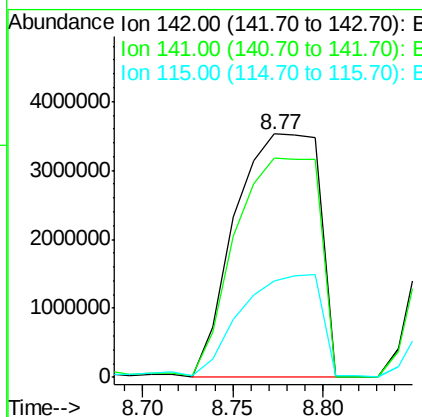
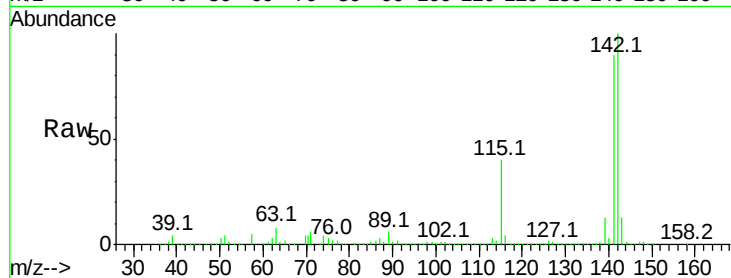
#37
2-Methylnaphthalene
Concen: Below Cal m
RT: 8.77 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF091862.D
Acq: 22 Dec 2016 4:23

Instrument :
BNA_F
ClientSampleId :
MW-11C

Tot Ion:142 Resp:11457531
Ion Ratio Lower Upper
142 100
141 89.9 71.0 106.6
115 39.8 28.3 42.5

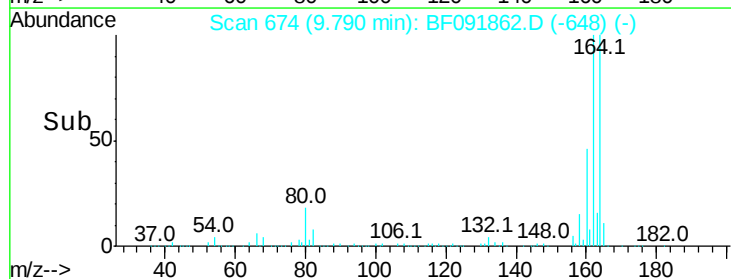
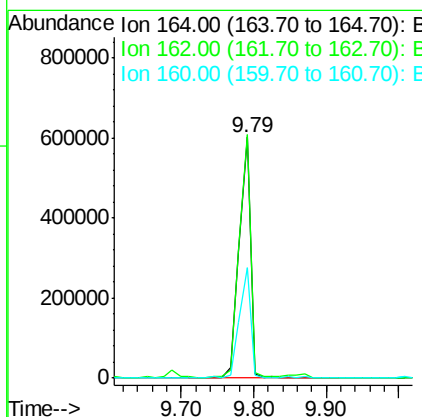
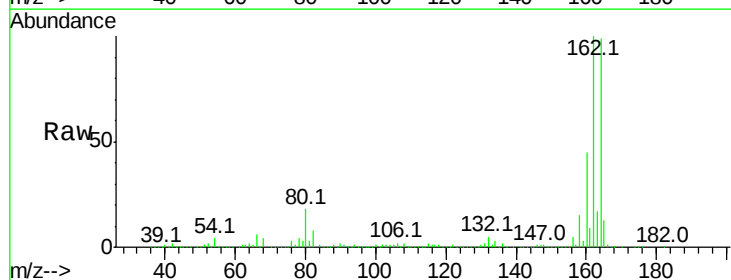
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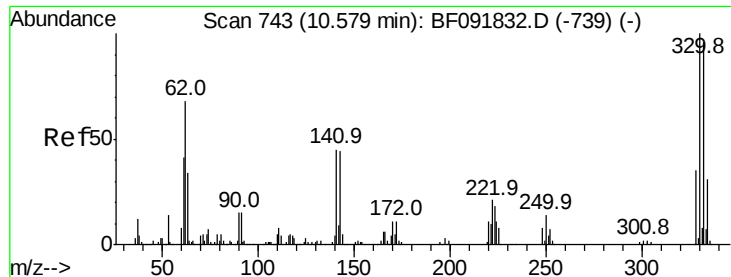
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.00 min
Lab File: BF091862.D
Acq: 22 Dec 2016 4:23

Tgt Ion:164 Resp: 661302
Ion Ratio Lower Upper
164 100
162 101.1 80.2 120.2
160 45.7 36.9 55.3





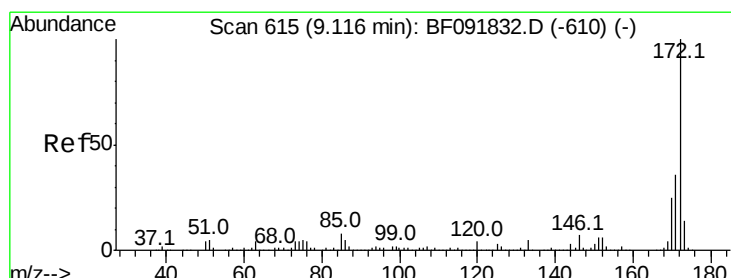
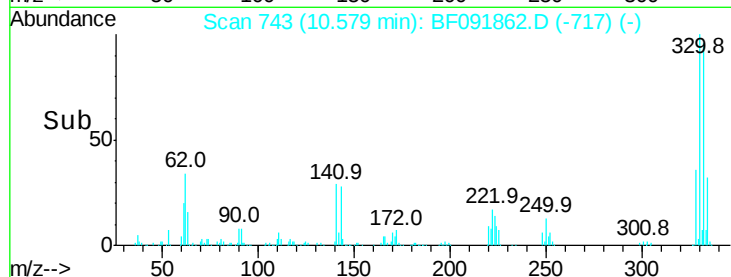
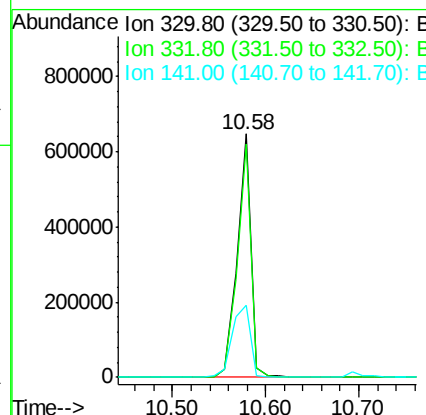
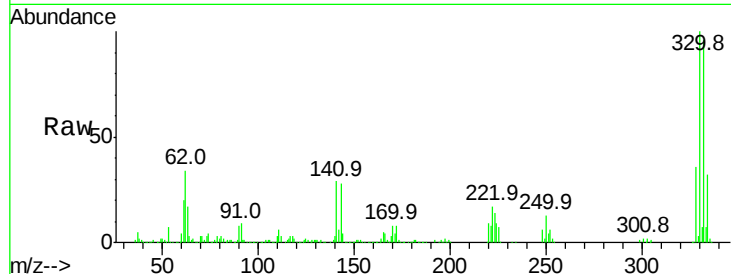
#41
 2,4,6-Tribromophenol
 Concen: 123.82 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091862.D
 Acq: 22 Dec 2016 4:23

Instrument :
 BNA_F
 ClientSampleId :
 MW-11C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	677641		
332	95.3	77.4	116.2	
141	38.7	34.1	51.1	

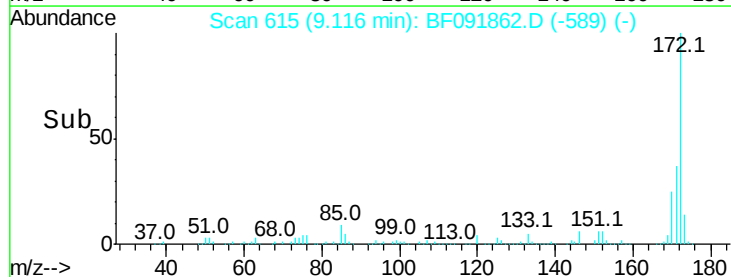
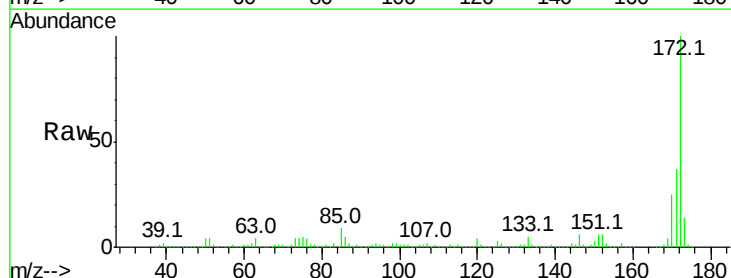
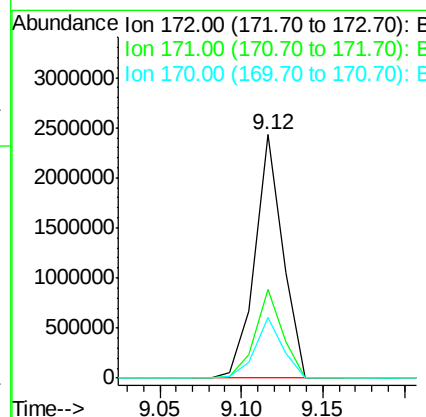
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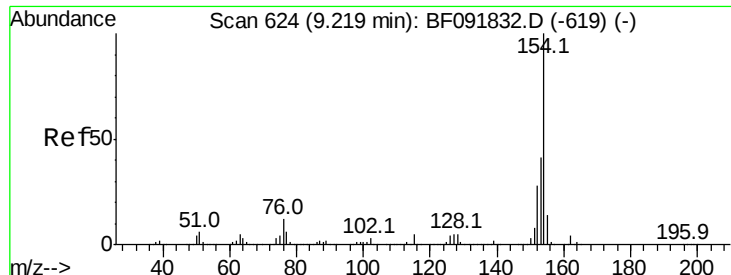
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#44
 2-Fluorobiphenyl
 Concen: 90.62 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: BF091862.D
 Acq: 22 Dec 2016 4:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2897197		
171	36.7	29.4	44.0	
170	24.9	20.2	30.4	





#45

1,1'-Biphenyl

Concen: 57.31 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.00 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Instrument :

BNA_F

ClientSampleId :

MW-11C

Tot Ion:154 Resp: 2594919

Ion Ratio Lower Upper

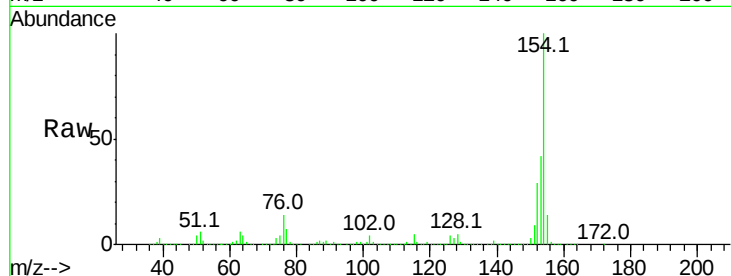
154 100

153 42.2 20.9 60.9

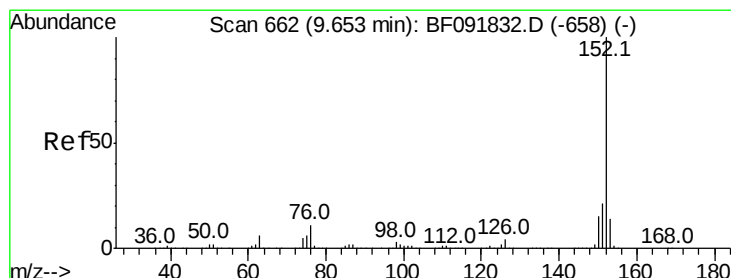
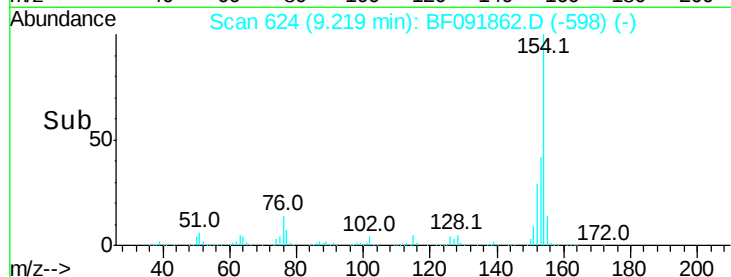
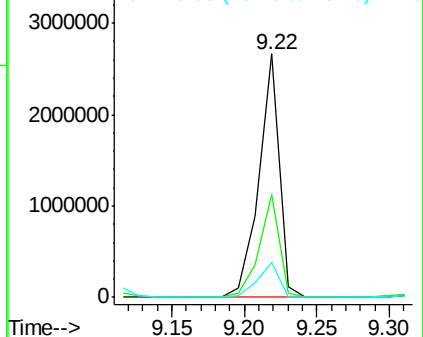
76 14.1 0.0 30.5

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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: 67.92 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.00 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

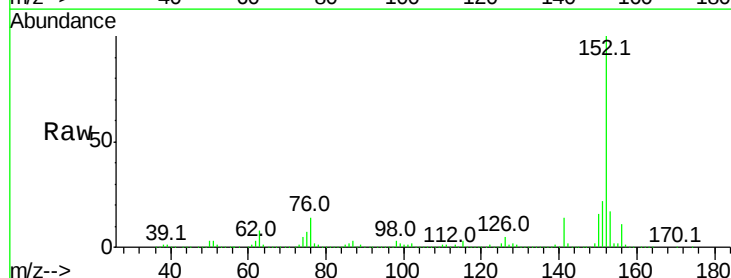
Tgt Ion:152 Resp: 3745605

Ion Ratio Lower Upper

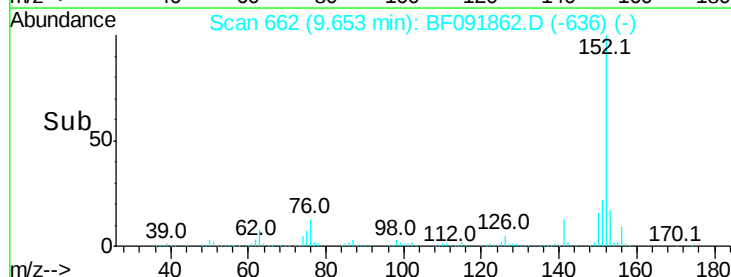
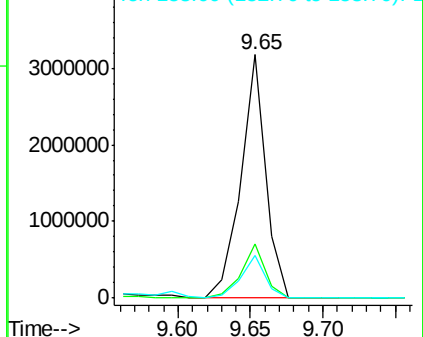
152 100

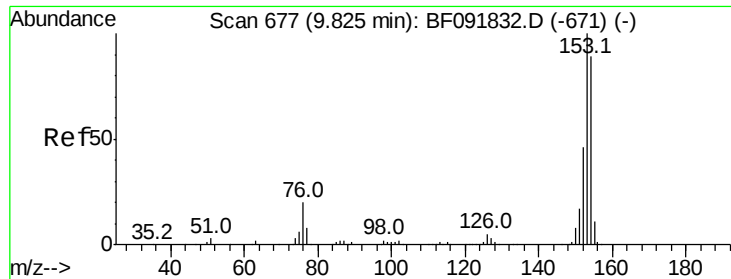
151 22.2 16.9 25.3

153 17.5 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 18.26 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Instrument :

BNA_F

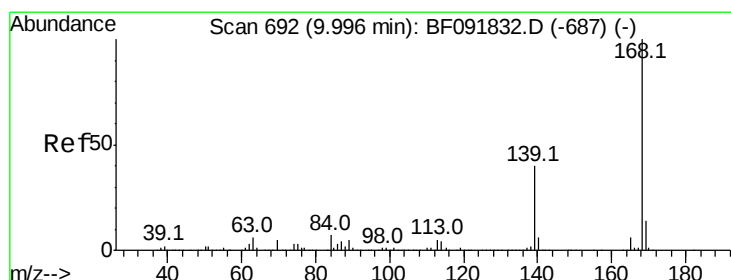
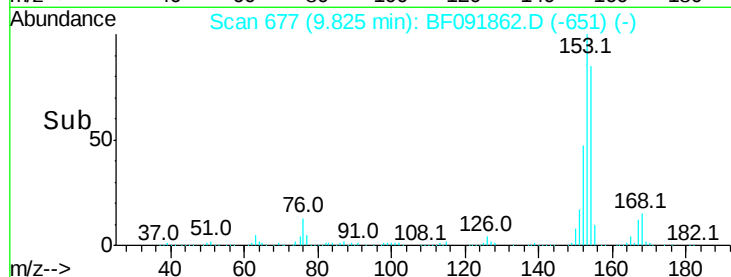
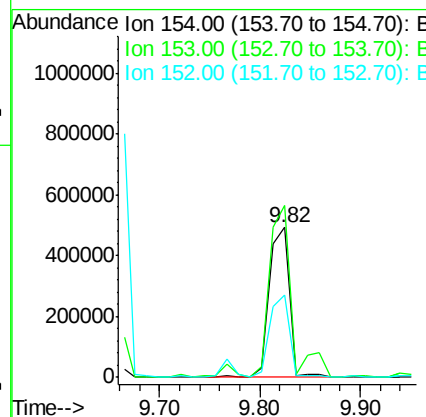
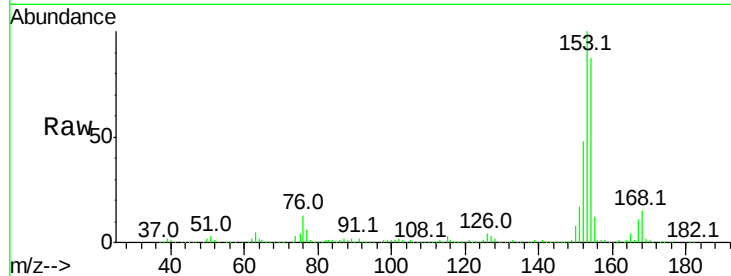
ClientSampled :

MW-11C

Tot Ion:	154	Resp:	682594
Ion Ratio	Lower	Upper	
154	100		
153	115.1	88.6	133.0
152	55.2	41.6	62.4

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#54

Dibenzofuran

Concen: 4.44 ng

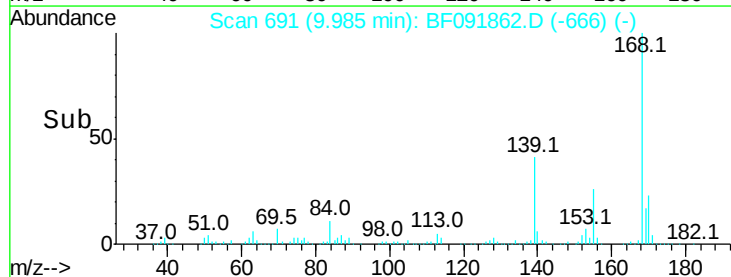
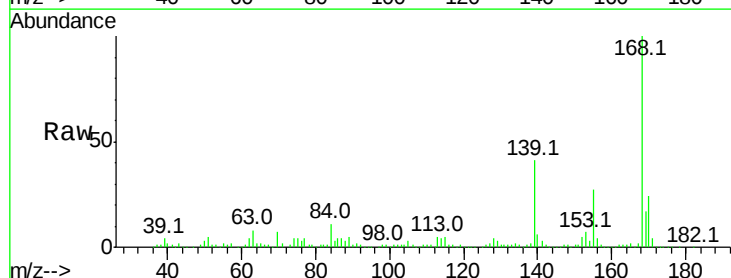
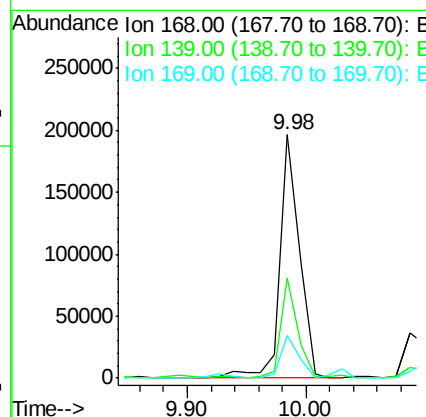
RT: 9.98 min Scan# 691

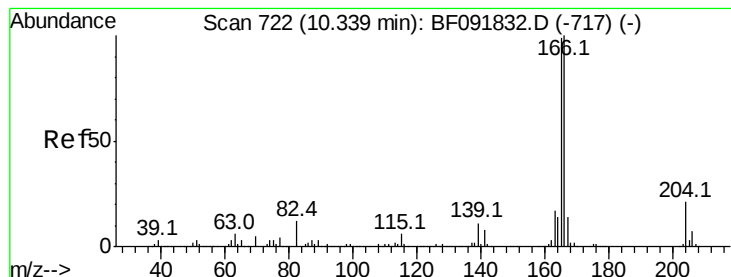
Delta R.T. -0.01 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Tgt Ion:	168	Resp:	224061
Ion Ratio	Lower	Upper	
168	100		
139	41.0	32.6	49.0
169	17.3	11.3	16.9#





#57

Fluorene

Concen: 50.72 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Instrument :

BNA_F

ClientSampleId :

MW-11C

Tot Ion:166 Resp: 1863173

Ion Ratio Lower Upper

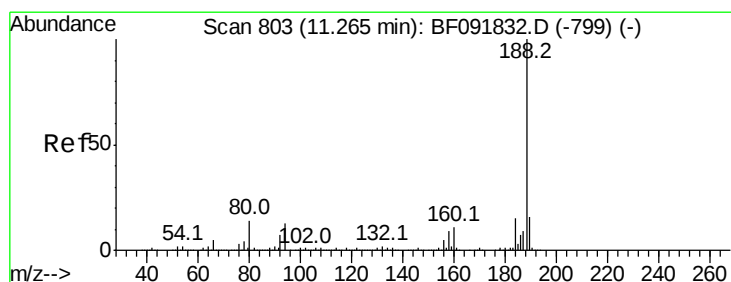
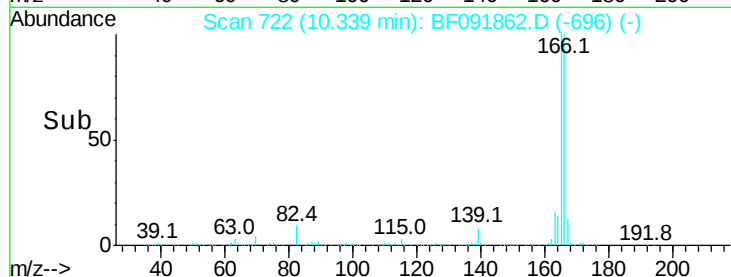
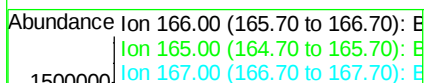
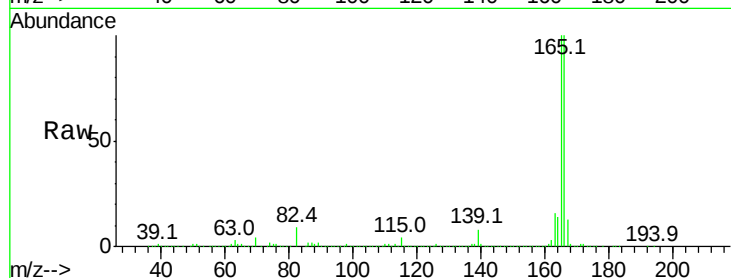
166 100

165 100.1 77.8 116.8

167 13.5 10.8 16.2

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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: BF091862.D

Acq: 22 Dec 2016 4:23

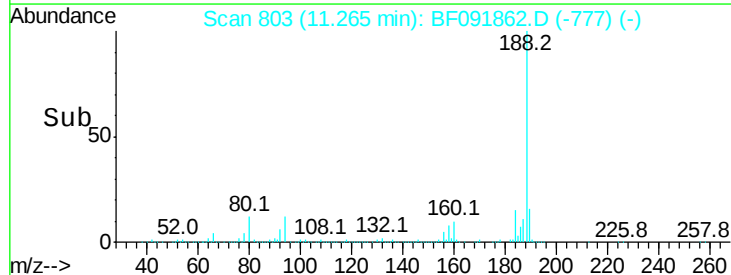
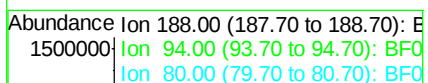
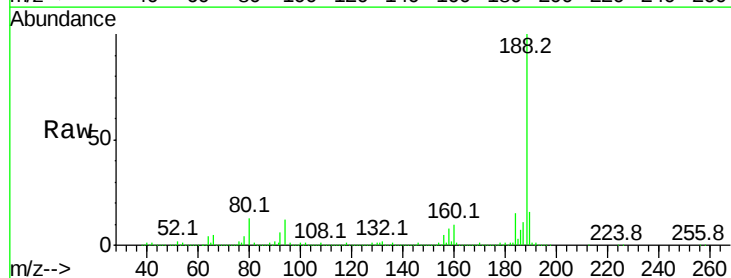
Tgt Ion:188 Resp: 1018451

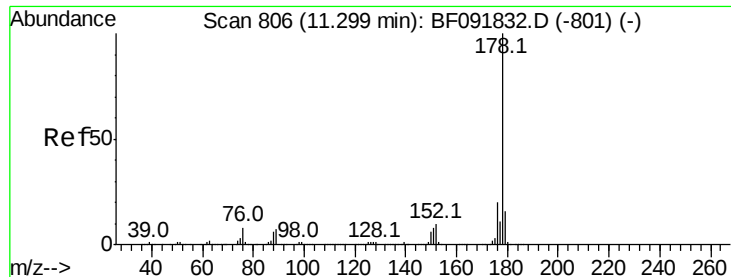
Ion Ratio Lower Upper

188 100

94 11.8 10.0 15.0

80 12.6 11.2 16.8





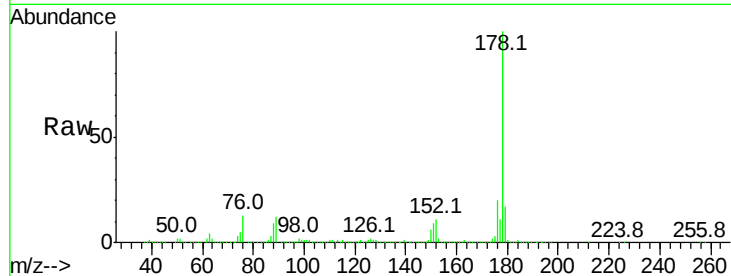
#70
Phenanthrene
Concen: 41.56 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF091862.D
Acq: 22 Dec 2016 4:23

Instrument :
BNA_F
ClientSampleID :
MW-11C

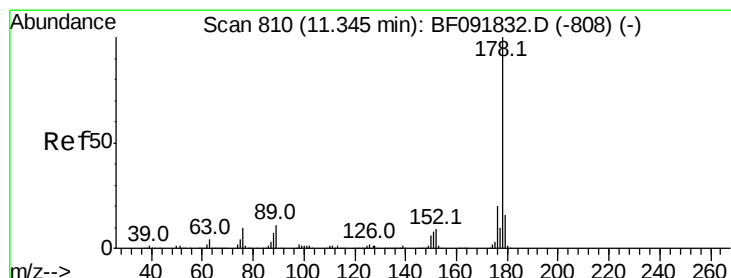
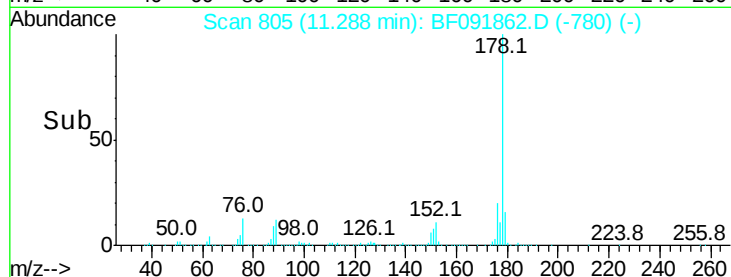
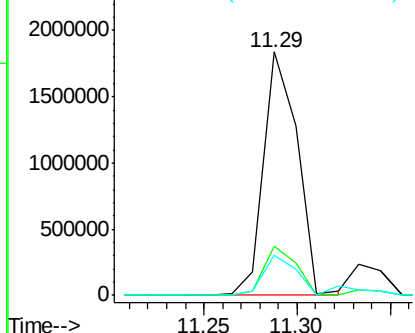
Tot Ion:178 Resp: 2295169
Ion Ratio Lower Upper
178 100
176 20.1 16.6 25.0
179 16.5 12.8 19.2

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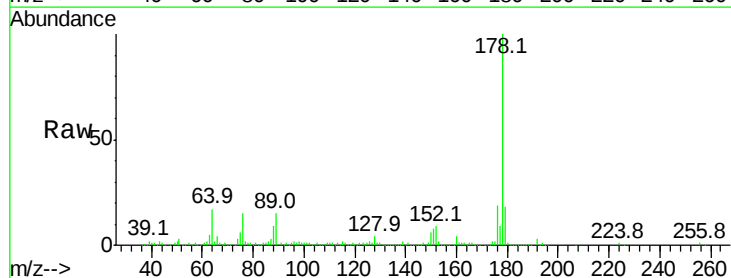


Abundance Ion 178.00 (177.70 to 178.70): E
2500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

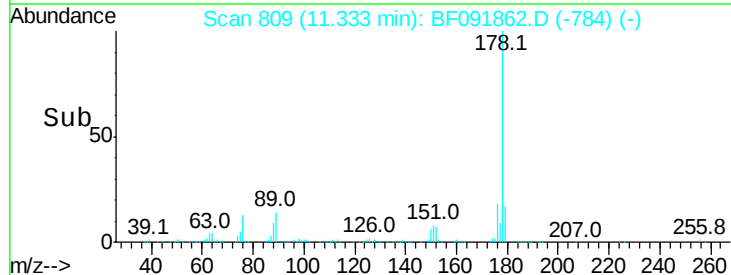
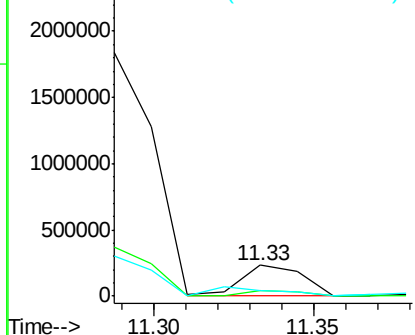


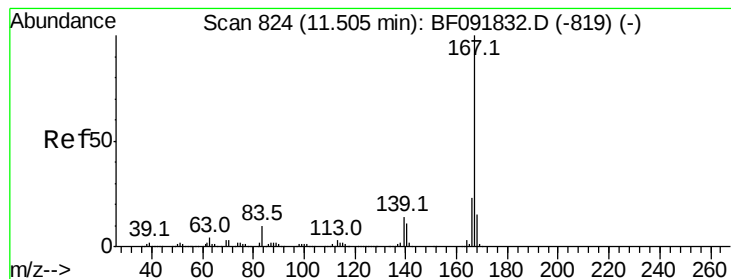
#71
Anthracene
Concen: 4.36 ng m
RT: 11.33 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF091862.D
Acq: 22 Dec 2016 4:23

Tgt Ion:178 Resp: 308623
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 18.3 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
2500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.65 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Instrument :

BNA_F

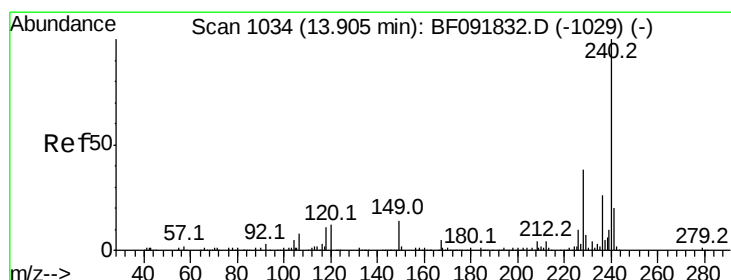
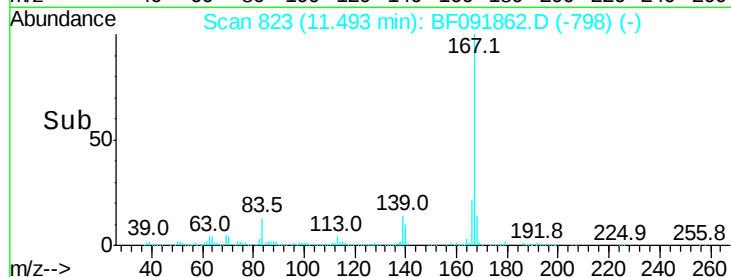
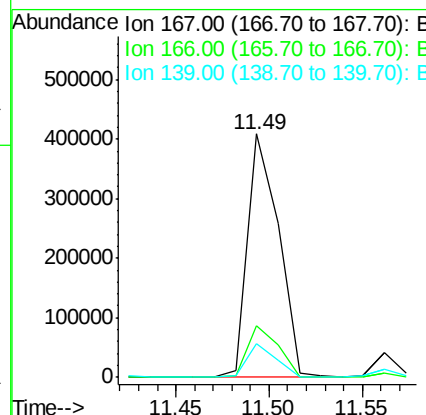
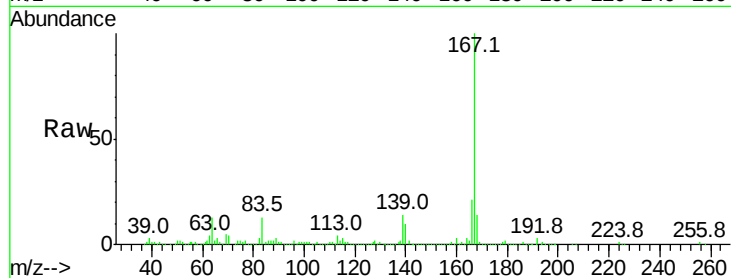
ClientSampled :

MW-11C

Tot Ion:	167	Resp:	472229
Ion Ratio	Lower	Upper	
167	100		
166	21.2	18.2	27.2
139	13.8	11.4	17.2

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#75

Chrysene-d12

Concen: 20.00 ng

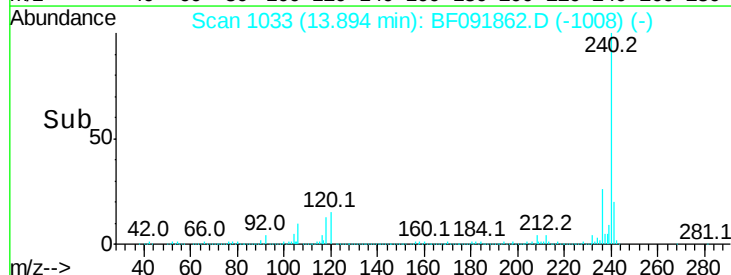
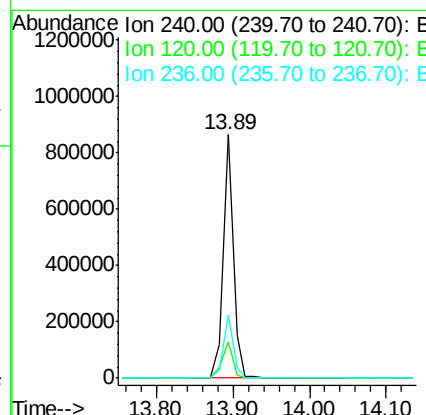
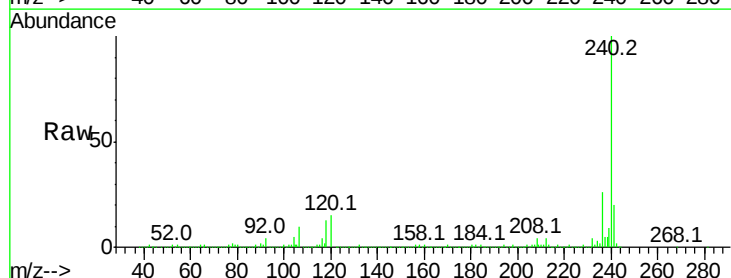
RT: 13.89 min Scan# 1033

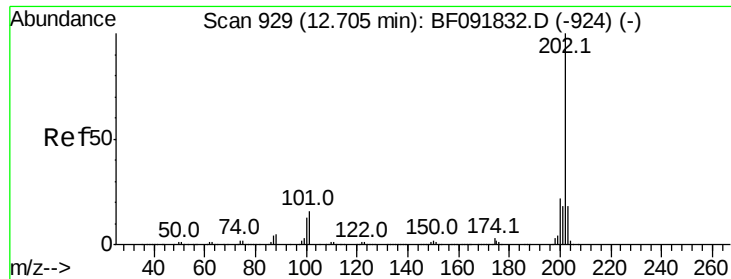
Delta R.T. -0.01 min

Lab File: BF091862.D

Acq: 22 Dec 2016 4:23

Tgt Ion:	240	Resp:	796972
Ion Ratio	Lower	Upper	
240	100		
120	14.9	12.9	19.3
236	26.1	20.9	31.3





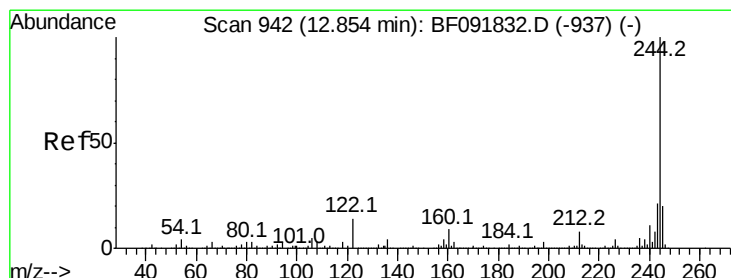
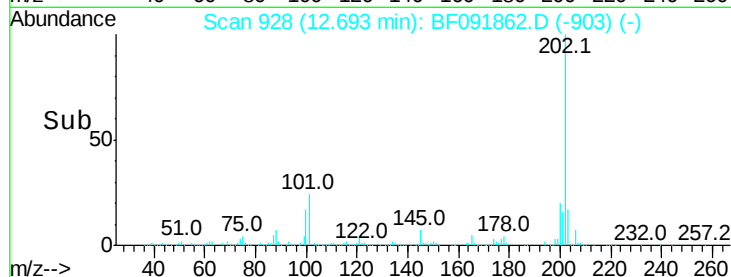
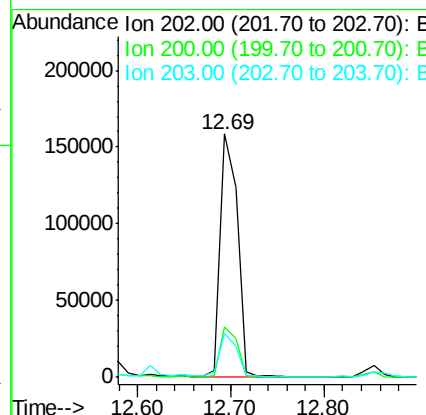
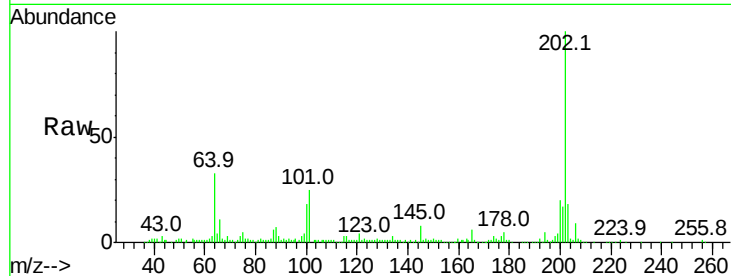
#77
Pvrene
Concen: 3.41 ng
RT: 12.69 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF091862.D
Acq: 22 Dec 2016 4:23

Instrument :
BNA_F
ClientSampleId :
MW-11C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	199339		
200	20.5		17.7	26.5
203	18.1		14.7	22.1

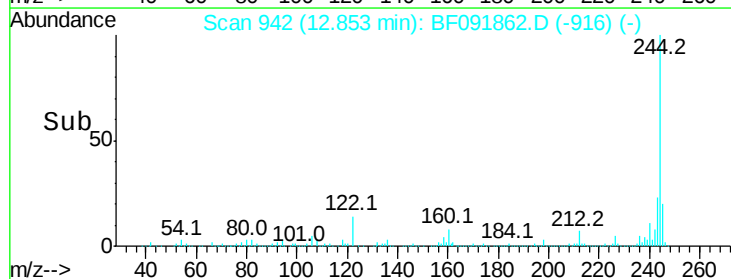
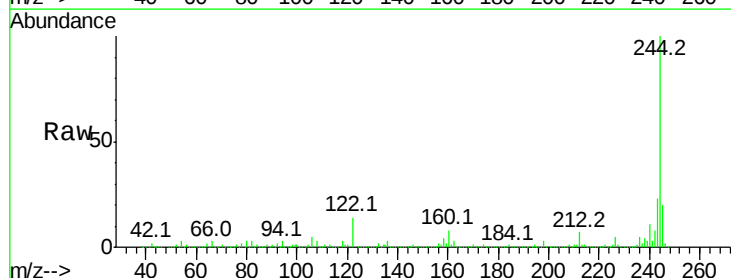
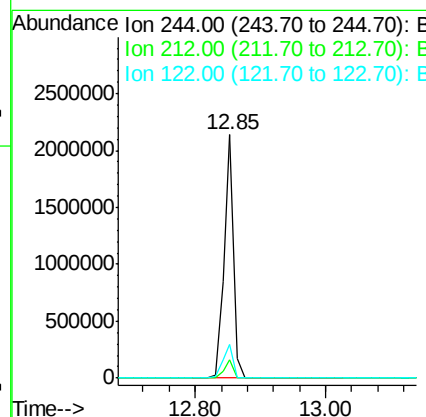
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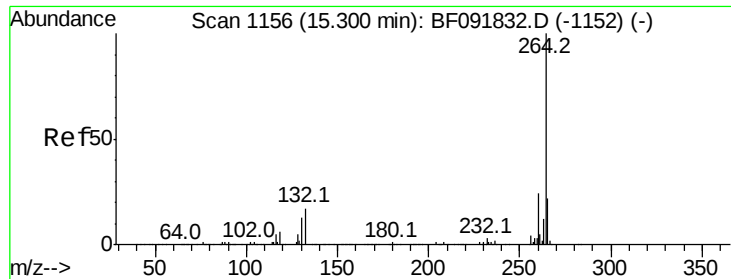
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#78
Terphenyl-d14
Concen: 67.19 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF091862.D
Acq: 22 Dec 2016 4:23

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	2207818		
212	7.5		6.2	9.2
122	13.8		11.4	17.2





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091862.D
Acq: 22 Dec 2016 4:23

Instrument :
BNA_F
ClientSampleId :
MW-11C

Tot Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.4	26.0

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