

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
 Data File : BF091859.D
 Acq On : 22 Dec 2016 3:02
 Operator : UM/SJ
 Sample : H6156-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-8

Manual Integrations
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Quant Time: Dec 22 15:03:51 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	6.75	152	284178	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	781547	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	596972	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1027016	20.00	ng	0.00
75) Chrysene-d12	13.89	240	818936	20.00	ng	-0.01
86) Perylene-d12	15.29	264	653380	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1116049	65.58	ng	0.00
7) Phenol-d6	6.38	99	890390	42.85	ng	-0.02
23) Nitrobenzene-d5	7.32	82	2193854	156.09	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	762325	154.30	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3240745	115.92	ng	0.00
78) Terphenyl-d14	12.85	244	2502060	74.10	ng	0.00
Target Compounds						
31) Naphthalene	8.09	128	18596501	519.90	ng	Qvalue # 93
37) 2-Methylnaphthalene	8.75	142	1654643m	Below Cal		
45) 1,1'-Biphenyl	9.21	154	315513	7.72	ng	96
51) Acenaphthene	9.81	154	650841	19.28	ng	100
57) Fluorene	10.33	166	201550	6.08	ng	100
70) Phenanthrene	11.29	178	190496	3.42	ng	96

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

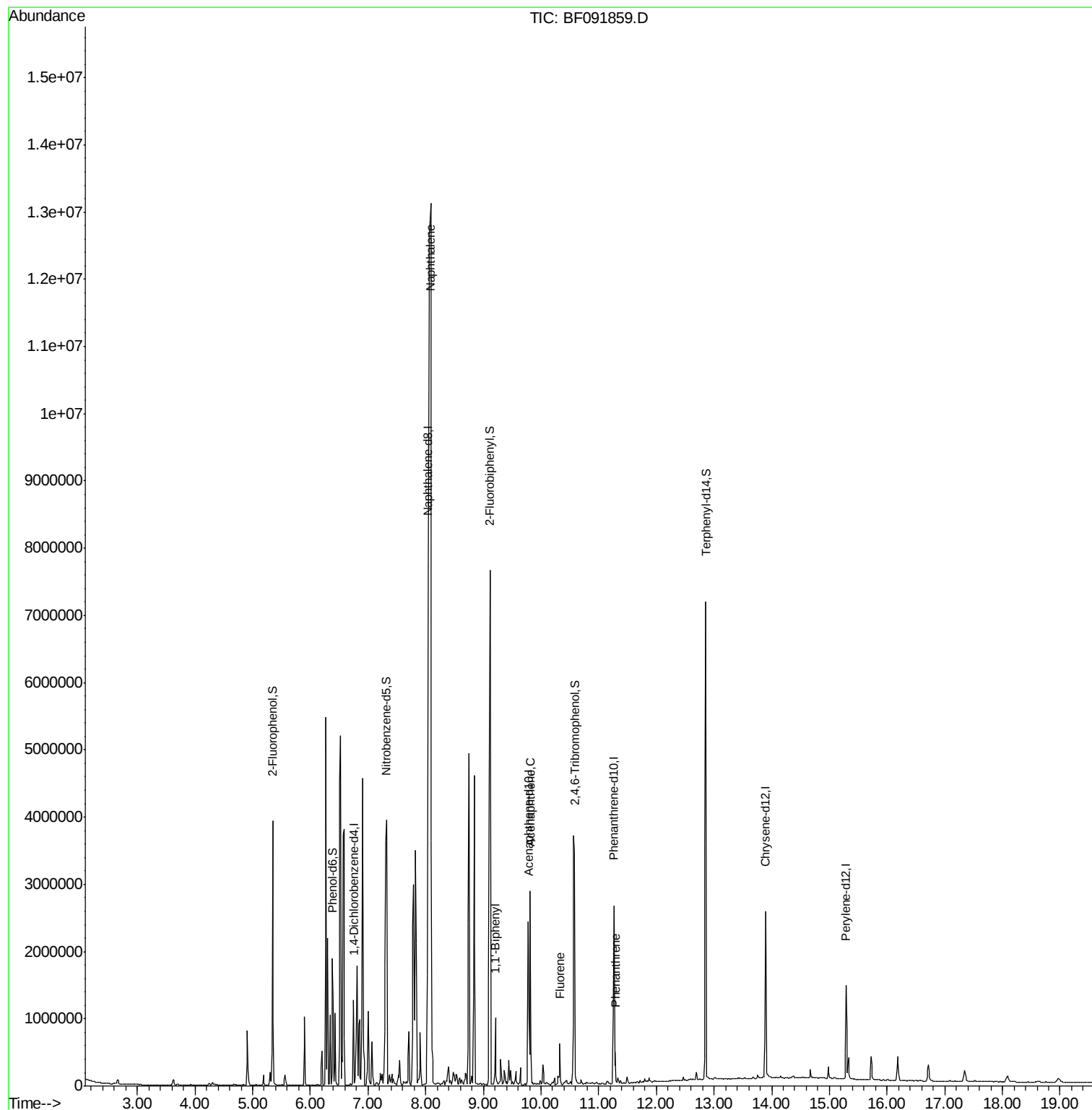
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
Data File : BF091859.D
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Operator : UM/SJ
Sample : H6156-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

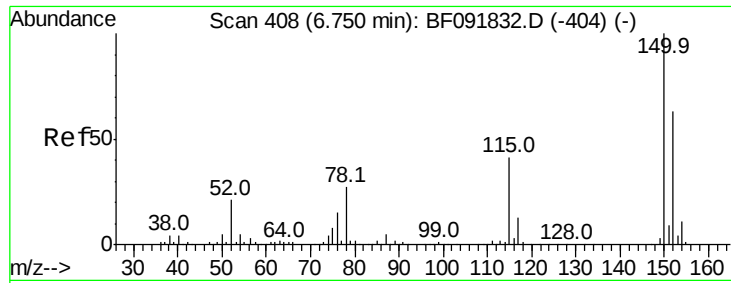
Instrument :
BNA_F
ClientSampleId :
MW-8

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Quant Time: Dec 22 15:03:51 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

Instrument :

BNA_F

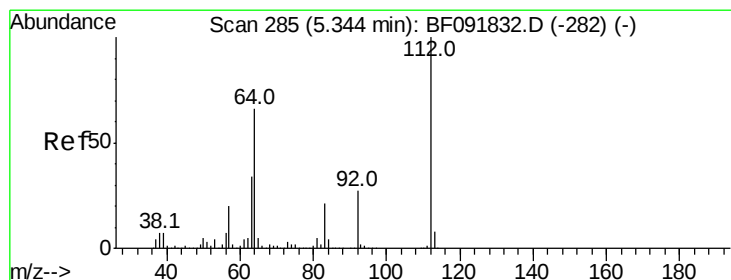
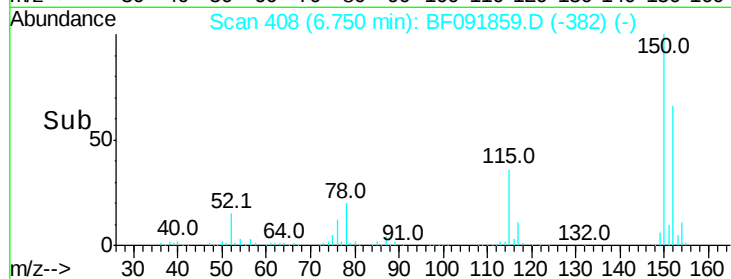
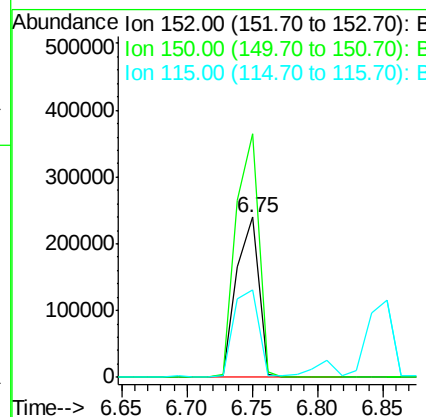
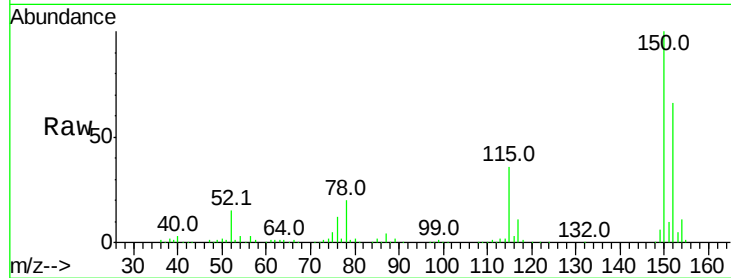
ClientSampled :

MW-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.9	187.3
115	54.6	46.0	69.0

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#5

2-Fluorophenol

Concen: 65.58 ng

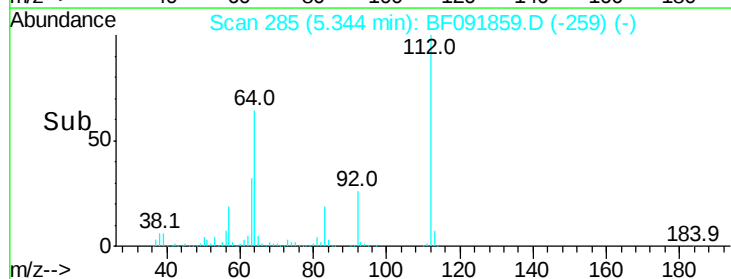
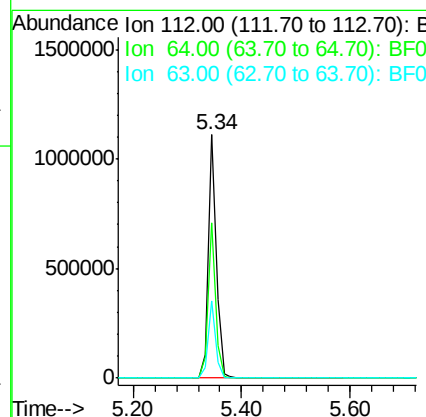
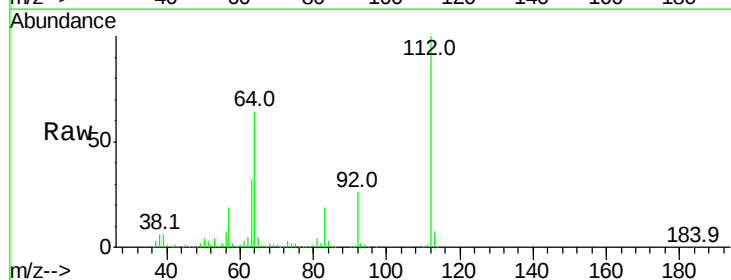
RT: 5.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	46.1	69.1
63	31.9	23.8	35.6





#7

Phenol-d6

Concen: 42.85 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

Instrument :

BNA_F

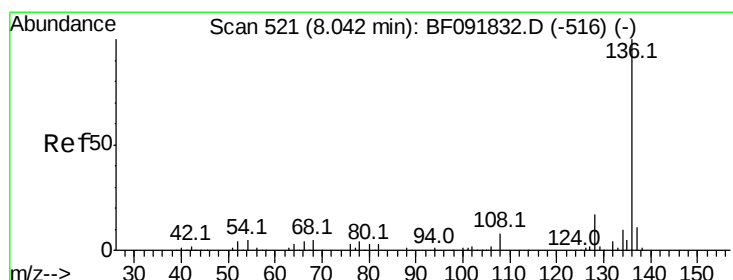
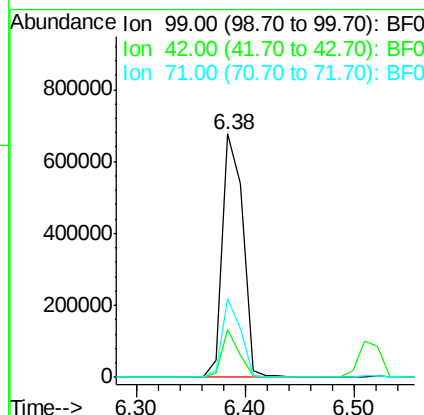
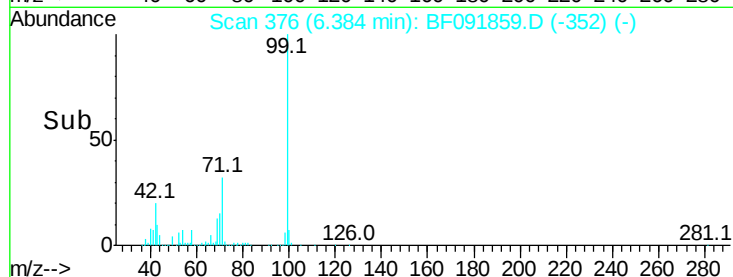
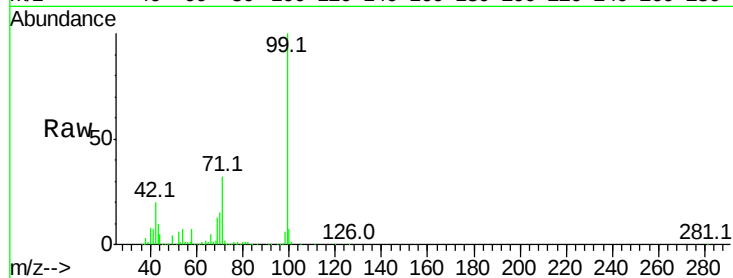
ClientSampled :

MW-8

Tot Ion:	99	Resp:	890390
Ion Ratio	Lower	Upper	
99	100		
42	19.6	15.6	23.4
71	32.3	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

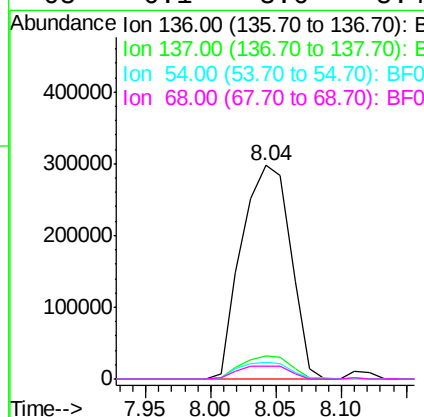
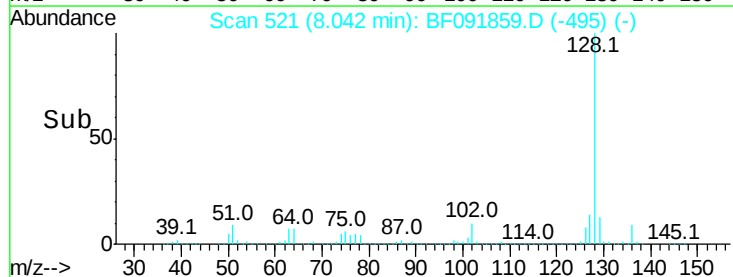
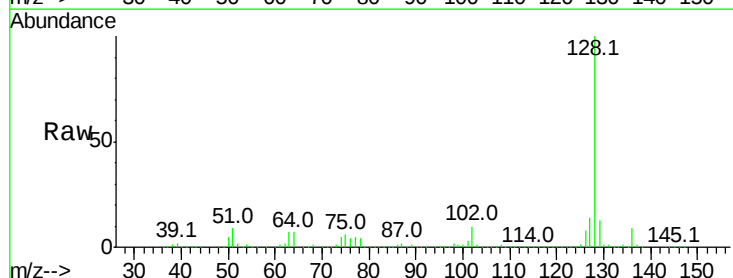
RT: 8.04 min Scan# 521

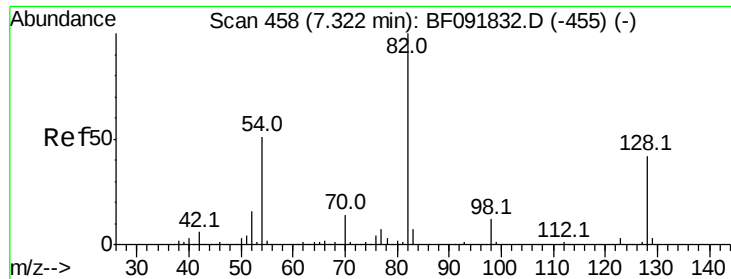
Delta R.T. -0.00 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

Tgt Ion:	136	Resp:	781547
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.4	12.6
54	7.9	4.5	6.7#
68	6.1	3.6	5.4#





#23

Nitrobenzene-d5

Concen: 156.09 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

Instrument :

BNA_F

ClientSampleId :

MW-8

Tot Ion: 82 Resp: 2193854

Ion Ratio Lower Upper

82 100

128 52.2 34.6 52.0#

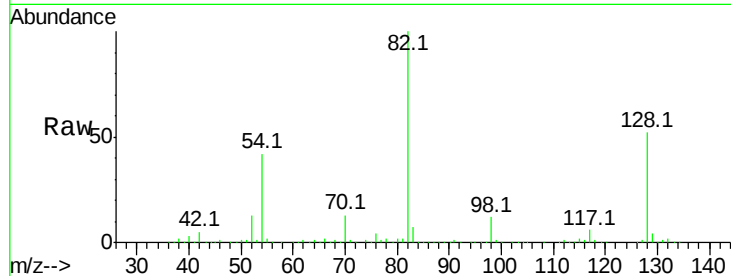
54 42.1 39.5 59.3

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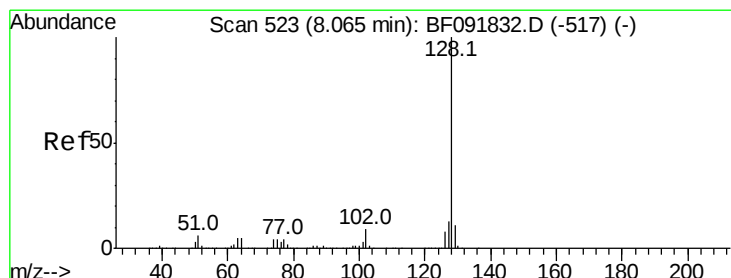
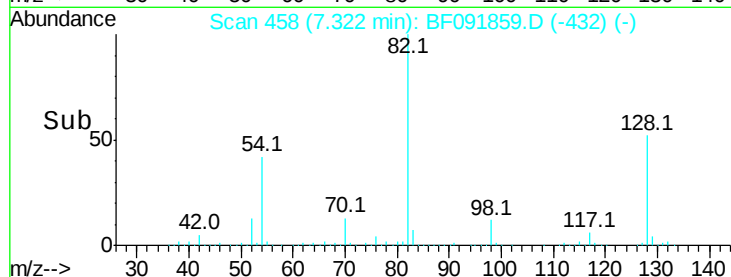
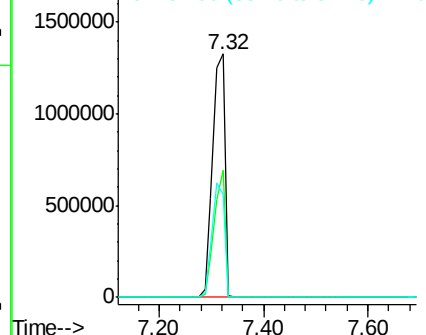
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 519.90 ng

RT: 8.09 min Scan# 525

Delta R.T. 0.02 min

Lab File: BF091859.D

Acq: 22 Dec 2016 3:02

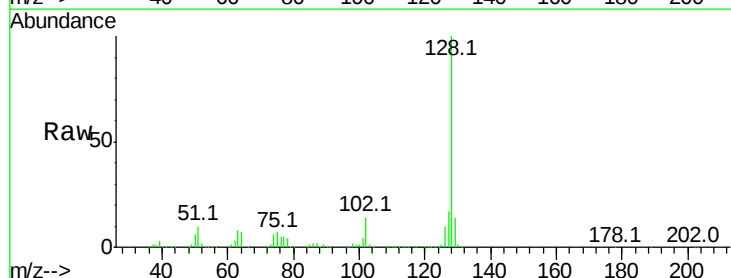
Tgt Ion:128 Resp:18596501

Ion Ratio Lower Upper

128 100

129 14.0 9.5 14.3

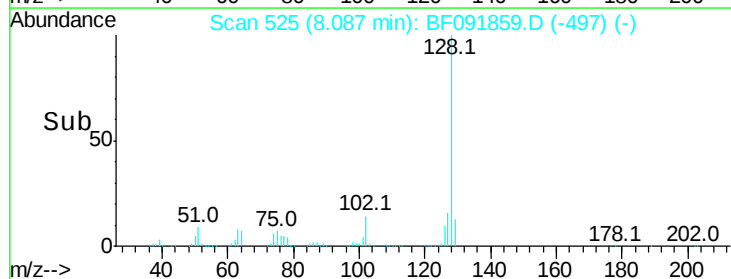
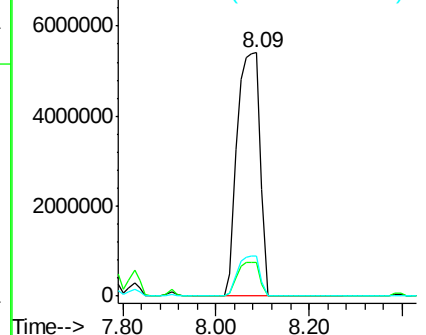
127 16.7 10.8 16.2#

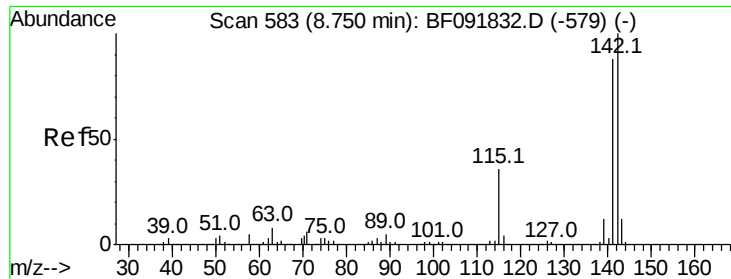


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





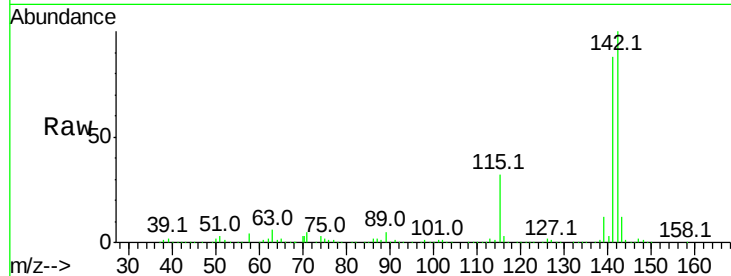
#37
2-Methylnaphthalene
Concen: Below Cal m
RT: 8.75 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

Instrument :
BNA_F
ClientSampleId :
MW-8

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.0	106.6
115	32.0	28.3	42.5

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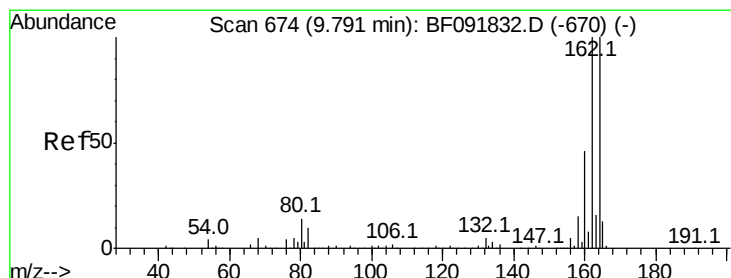
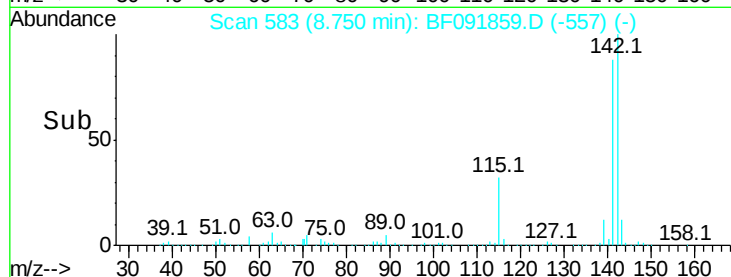
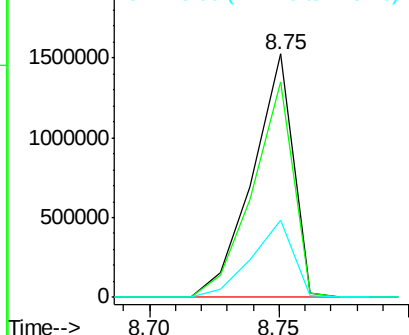


Abundance

Ion 142.00 (141.70 to 142.70): E

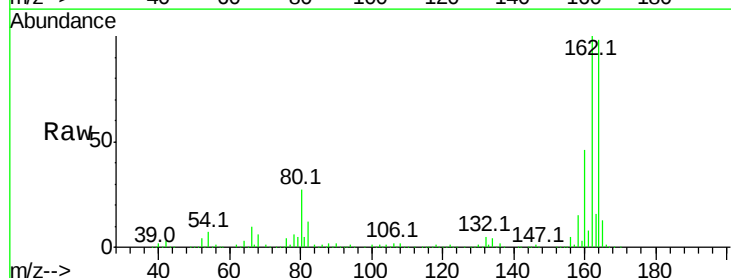
Ion 141.00 (140.70 to 141.70): E

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: BF091859.D
Acq: 22 Dec 2016 3:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.2	120.2
160	46.6	36.9	55.3

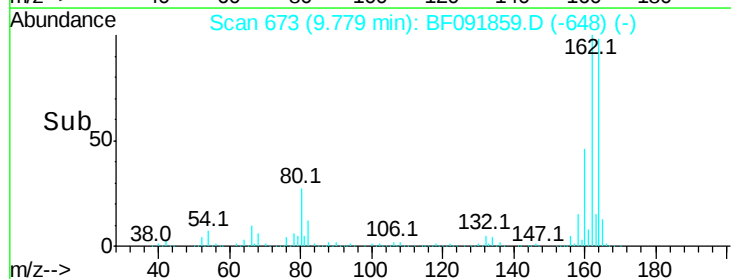
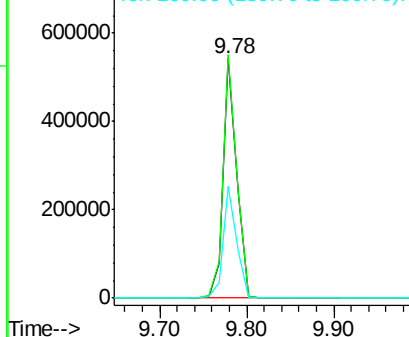


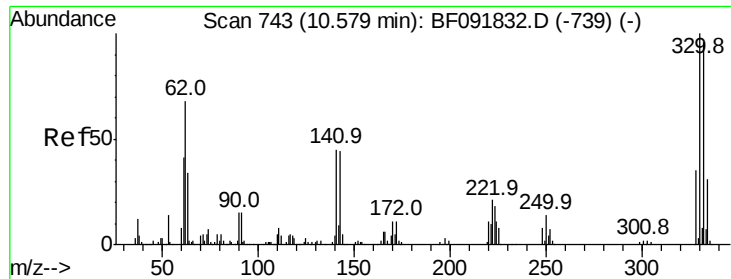
Abundance

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





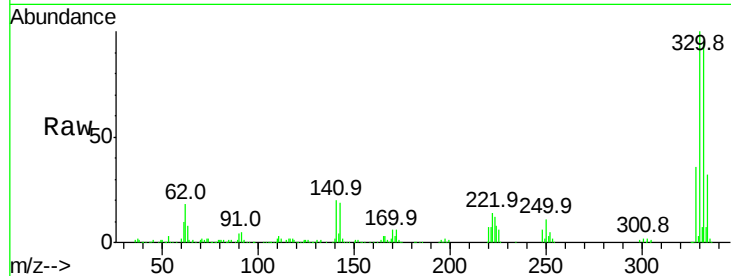
#41
 2,4,6-Tribromophenol
 Concen: 154.30 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

Instrument :
 BNA_F
 ClientSampled :
 MW-8

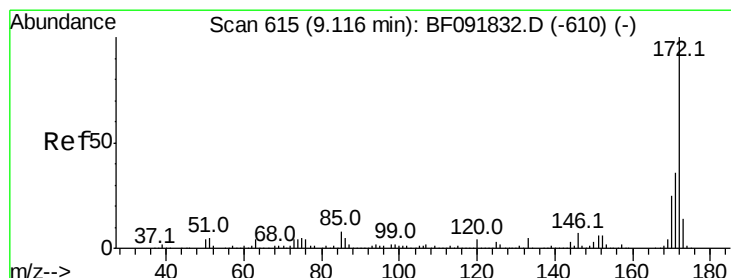
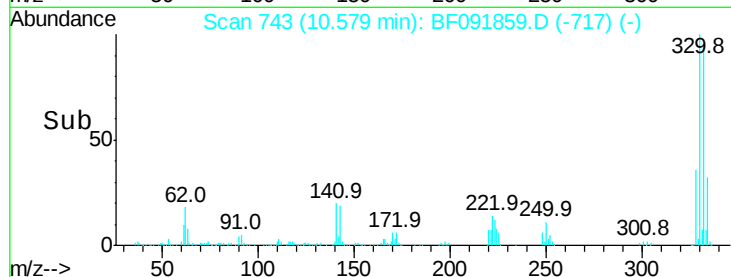
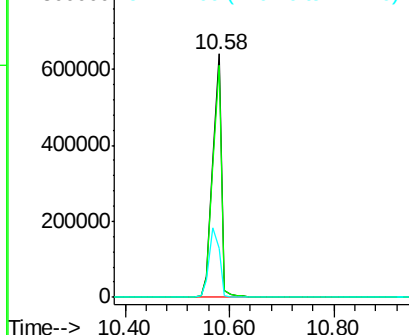
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.4	116.2
141	33.5	34.1	51.1#

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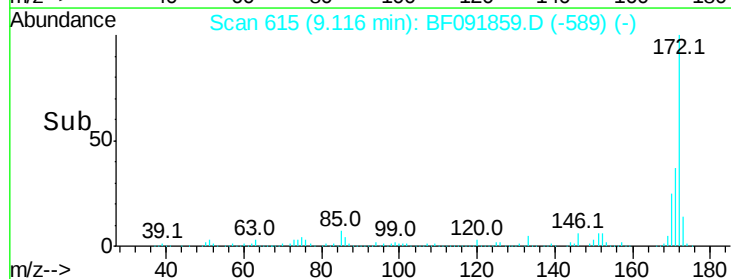
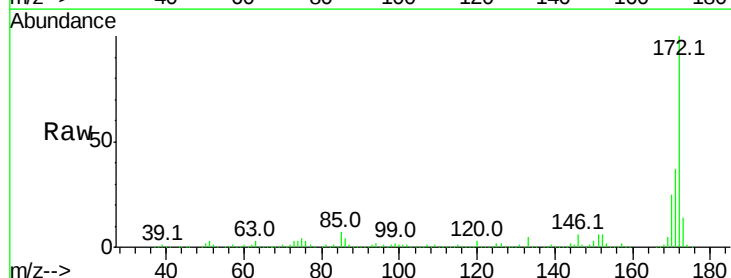
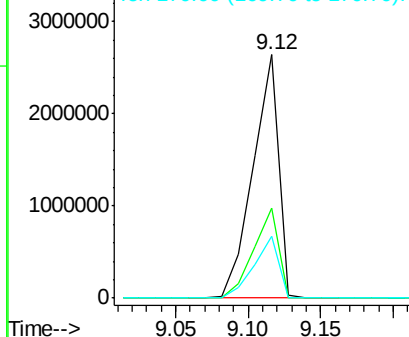
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

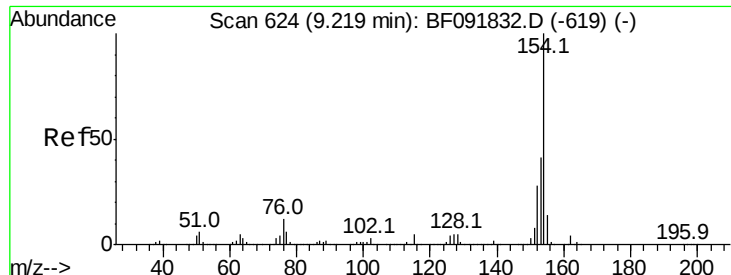


#44
 2-Fluorobiphenyl
 Concen: 115.92 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.0
170	25.4	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





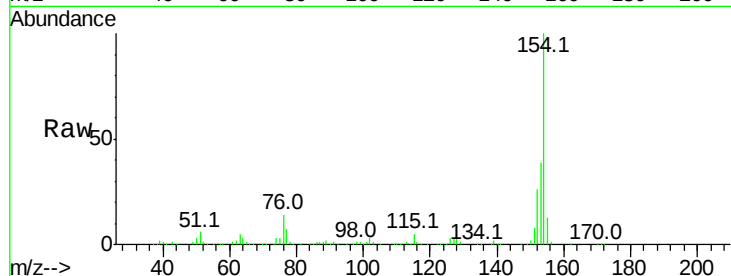
#45
1,1'-Biphenyl
Concen: 7.72 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

Instrument :
BNA_F
ClientSampled :
MW-8

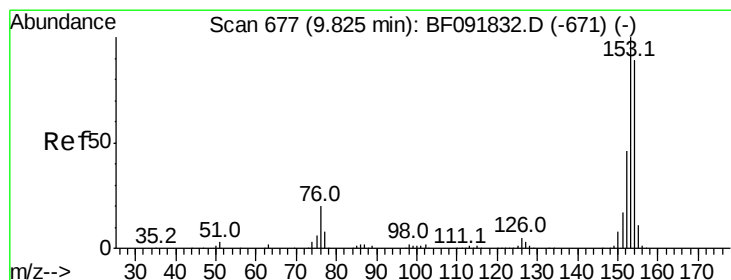
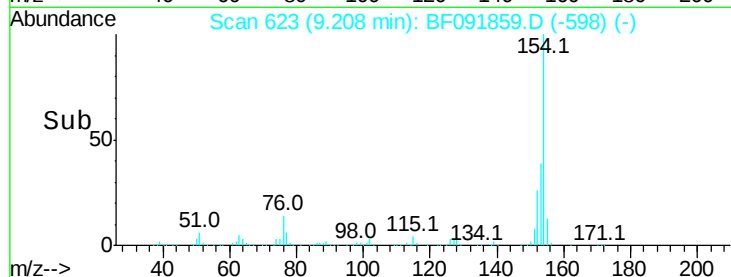
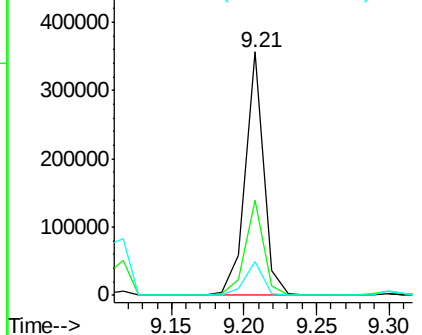
Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.1	20.9	60.9	
76	13.9	0.0	30.5	

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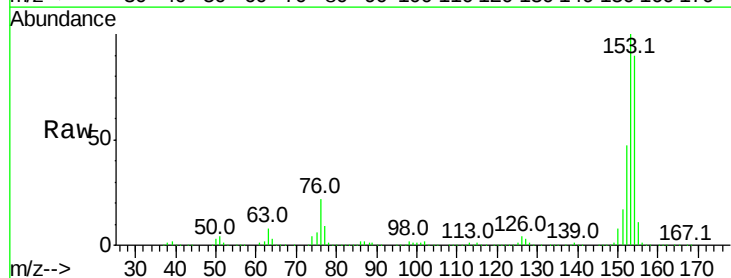


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

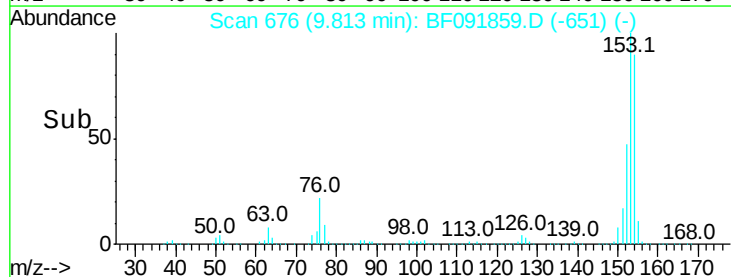
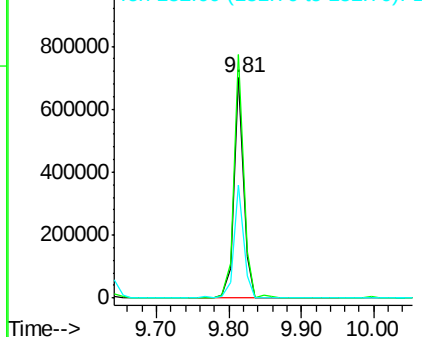


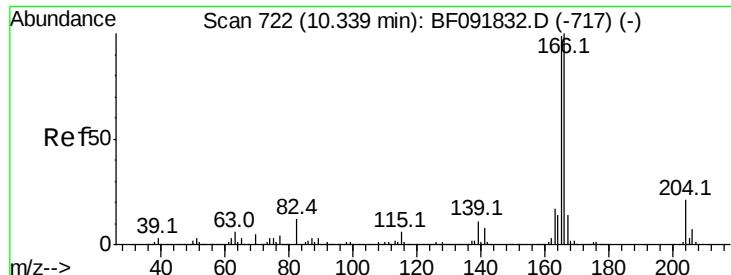
#51
Acenaphthene
Concen: 19.28 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	110.7	88.6	133.0	
152	51.5	41.6	62.4	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





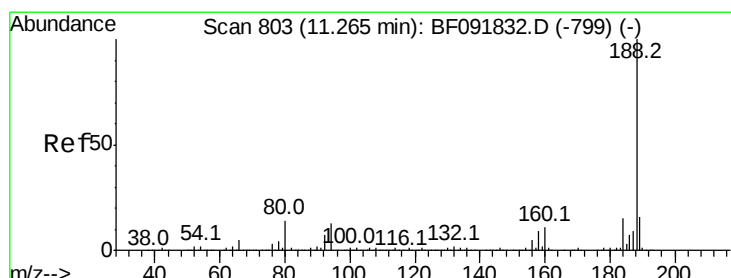
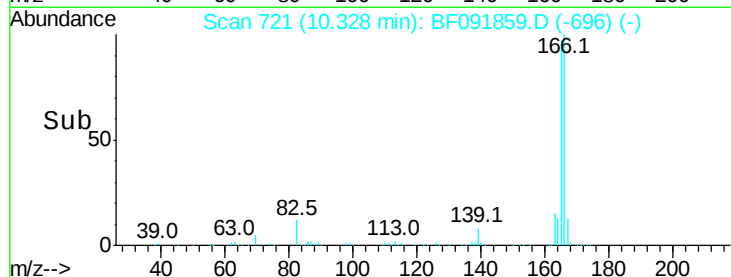
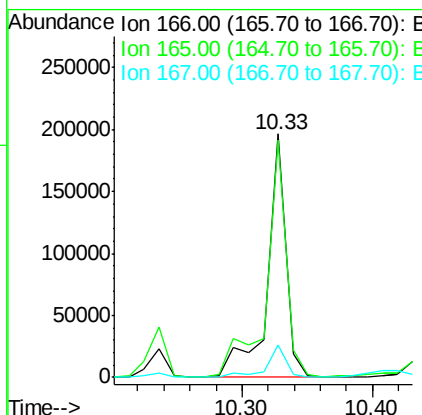
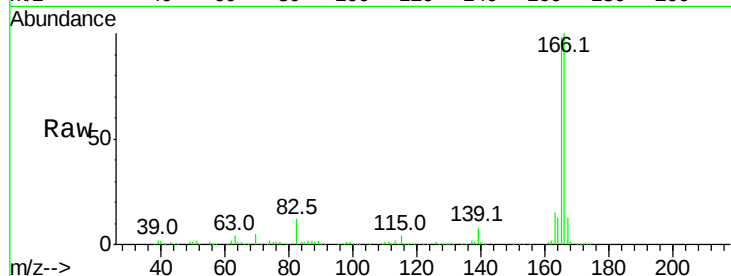
#57
Fluorene
 Concen: 6.08 ng
 RT: 10.33 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

Instrument :
 BNA_F
 ClientSampleID :
 MW-8

Tot Ion	Ratio	Resp	Lower	Upper
166	100	201550		
165	97.5	77.8	116.8	
167	13.3	10.8	16.2	

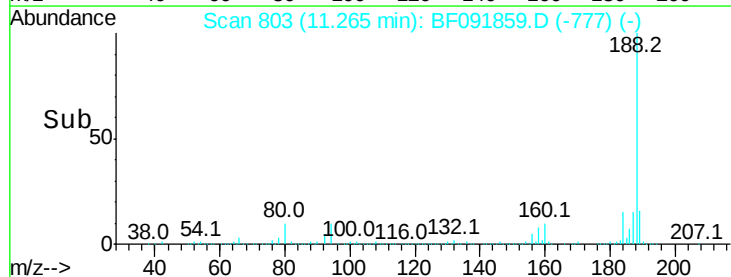
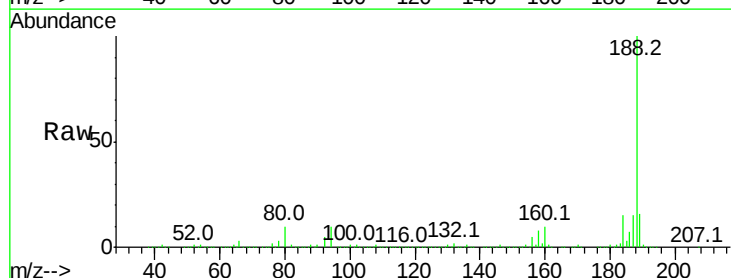
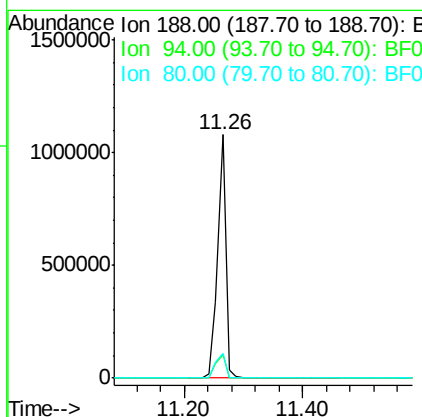
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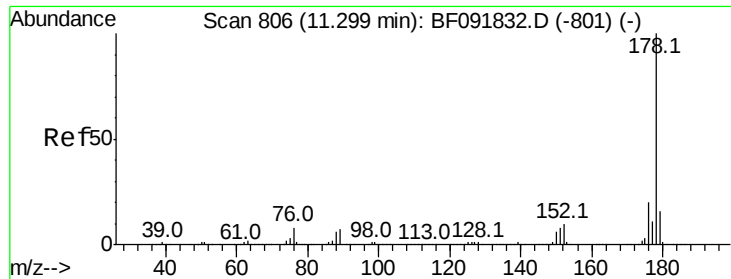
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1027016		
94	9.8	10.0	15.0#	
80	10.1	11.2	16.8#	





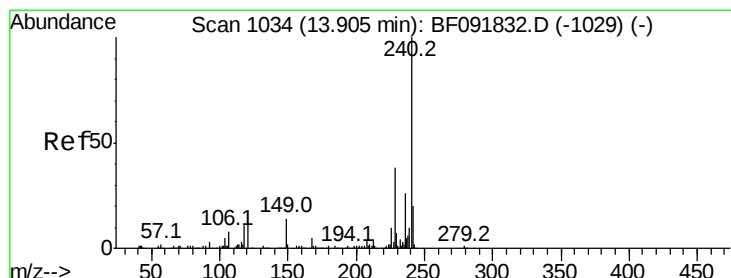
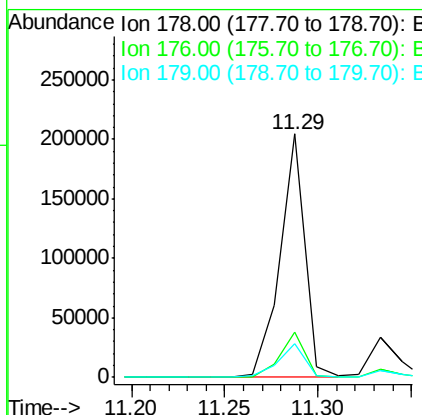
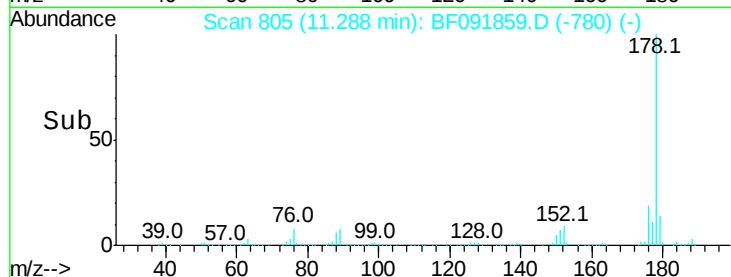
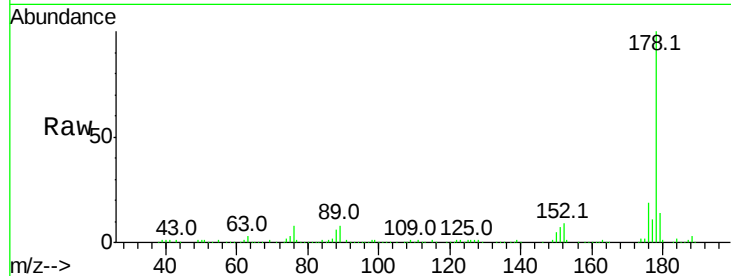
#70
Phenanthrene
Concen: 3.42 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

Instrument :
BNA_F
ClientSampled :
MW-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	25.0
179	14.1	12.8	19.2

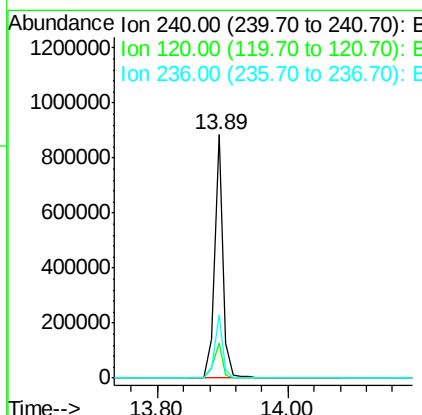
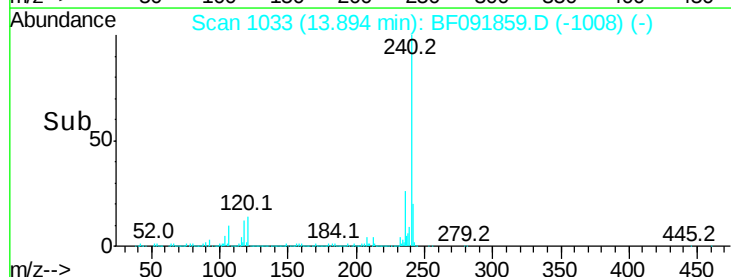
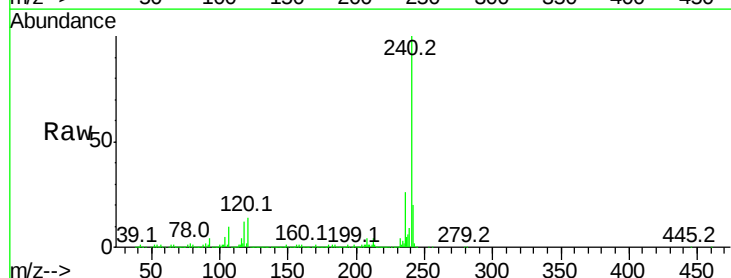
Manual Integrations
APPROVED

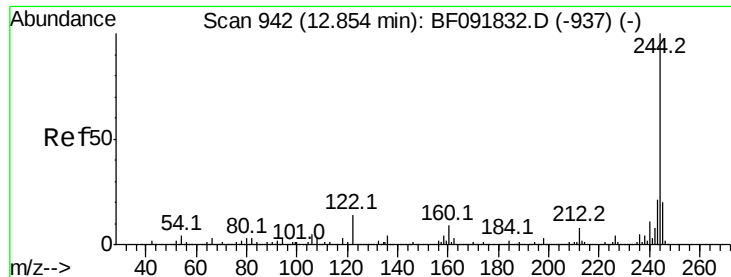
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF091859.D
Acq: 22 Dec 2016 3:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.1	12.9	19.3
236	25.8	20.9	31.3





#78
 Terphenyl-d14
 Concen: 74.10 ng
 RT: 12.85 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: BF091859.D
 Acq: 22 Dec 2016 3:02

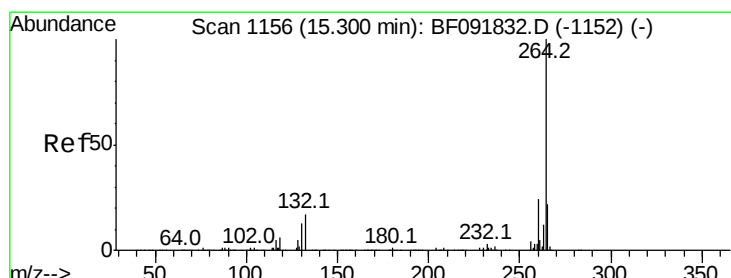
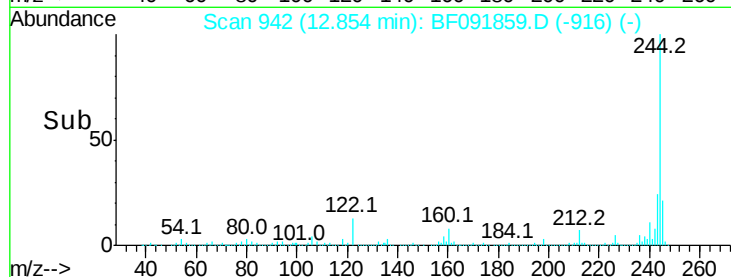
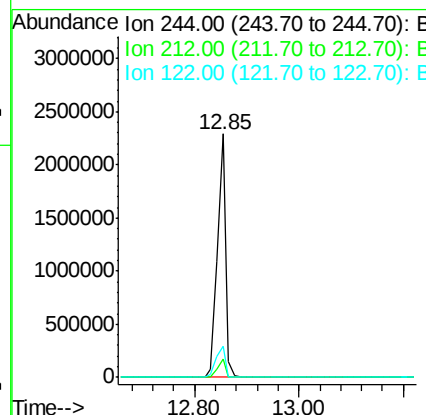
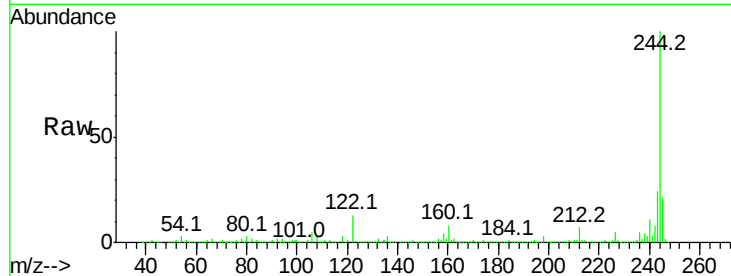
Instrument :
 BNA_F
 ClientSampleId :
 MW-8

Tot Ion:244 Resp: 2502060

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	13.0	11.4	17.2

Manual Integrations
 APPROVED

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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: BF091859.D
 Acq: 22 Dec 2016 3:02

Tgt Ion:264 Resp: 653380

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	17.4	26.0

