

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040517\
 Data File : BF094216.D
 Acq On : 6 Apr 2017 4:36
 Operator : SJ/MA
 Sample : I2536-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 E2-BB8-BASE

Manual Integrations
 APPROVED

mohammad
 4/6/2017 3:38:51 PM

Quant Time: Apr 06 07:31:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.87	152	154899	20.00	ng	-0.04
21) Naphthalene-d8	7.37	136	541848	20.00	ng	-0.04
38) Acenaphthene-d10	9.52	164	206312	20.00	ng	-0.04
63) Phenanthrene-d10	11.34	188	343456	20.00	ng	-0.04
75) Chrysene-d12	14.59	240	315959	20.00	ng	-0.04
86) Perylene-d12	16.21	264	223995	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	851055	92.80	ng	-0.04
7) Phenol-d6	5.47	99	1060868	93.51	ng	-0.04
23) Nitrobenzene-d5	6.52	82	633783	66.75	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	156878	96.23	ng	-0.03
44) 2-Fluorobiphenyl	8.70	172	1055095	78.00	ng	-0.04
78) Terphenyl-d14	13.32	244	745604	52.89	ng	-0.04
Target Compounds						
10) Phenol	5.48	94	114353	8.86	ng	Qvalue 97
17) 2-Methylphenol	6.17	107	159910	18.52	ng	99
20) 3+4-Methylphenols	6.36	107	368597	35.25	ng	# 63
27) 2,4-Dimethylphenol	6.99	122	578576	75.19	ng	98
31) Naphthalene	7.40	128	560173	21.50	ng	# 95
37) 2-Methylnaphthalene	8.25	142	1248084	71.86	ng	98
45) 1,1'-Biphenyl	8.82	154	127249	7.65	ng	98
51) Acenaphthene	9.55	154	43442	3.44	ng	91
54) Dibenzofuran	9.77	168	80935	4.71	ng	# 68
57) Fluorene	10.19	166	88813	6.23	ng	# 82
70) Phenanthrene	11.37	178	276171	14.45	ng	98
71) Anthracene	11.43	178	43068m	2.19	ng	

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

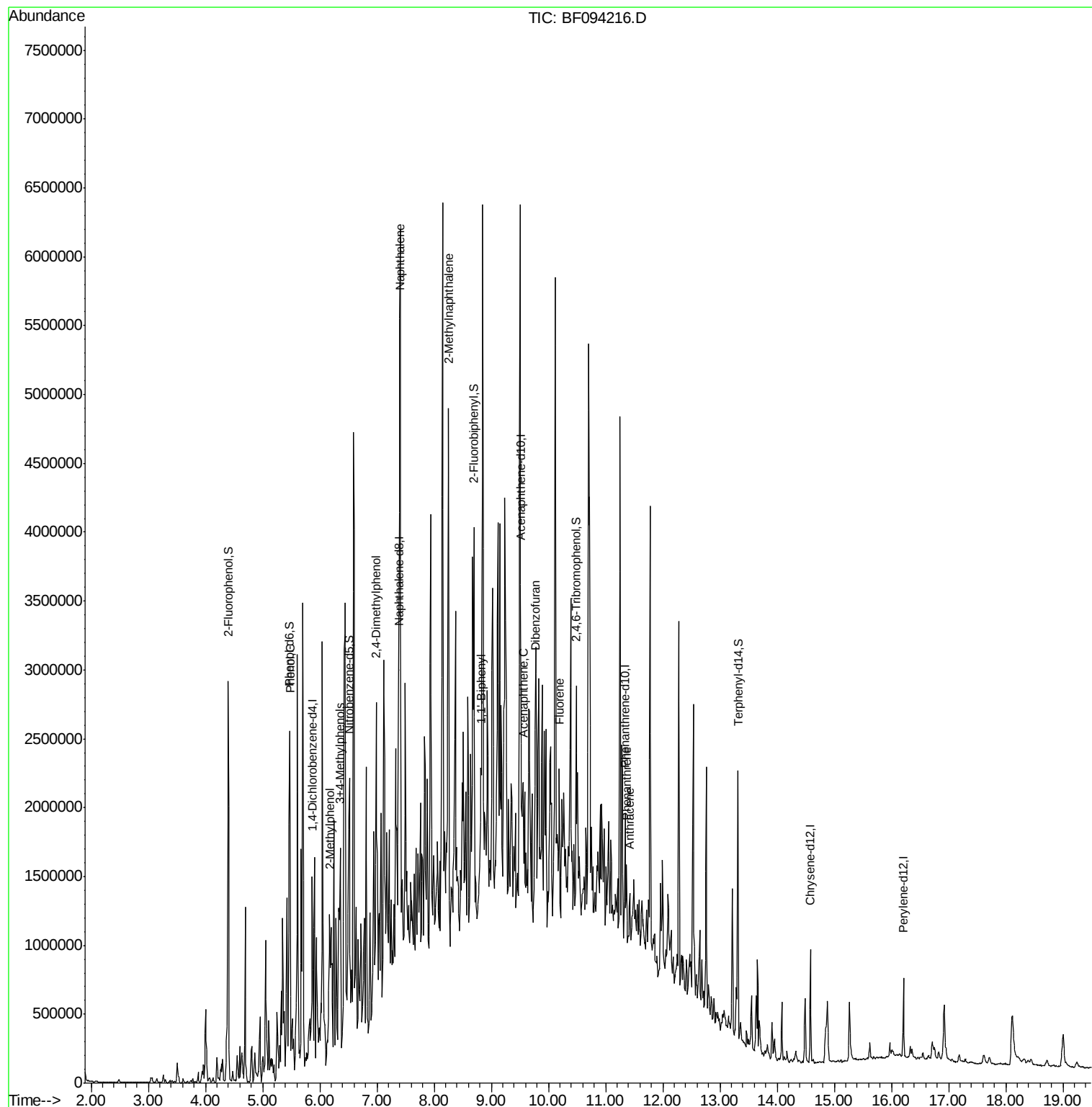
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040517\
Data File : BF094216.D
Acq On : 6 Apr 2017 4:36
Operator : SJ/MA
Sample : I2536-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

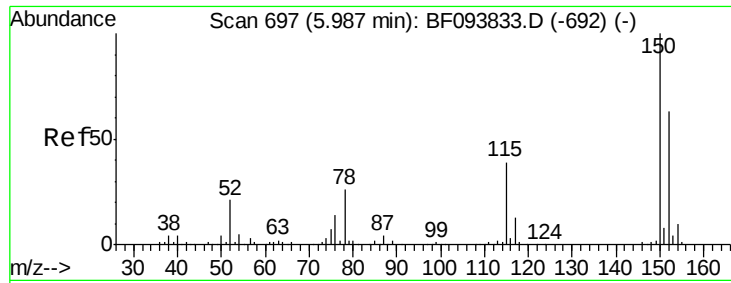
Instrument :
BNA_F
ClientSampleId :
E2-BB8-BASE

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Quant Time: Apr 06 07:31:34 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
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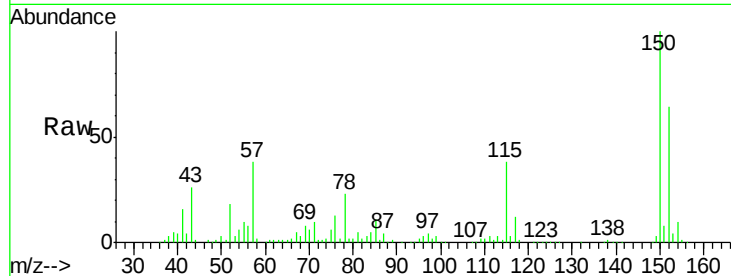
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.87 min Scan# 677
 Delta R.T. -0.04 min
 Lab File: BF094216.D
 Acq: 6 Apr 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB8-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	58.9	52.2	78.2

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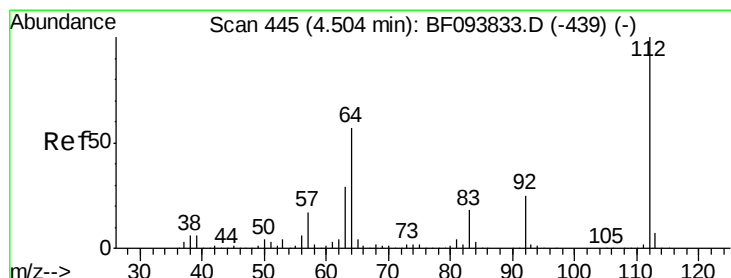
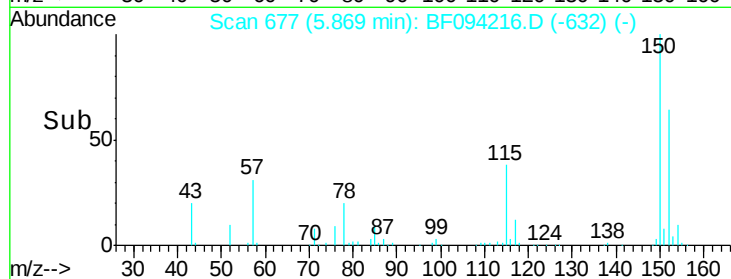
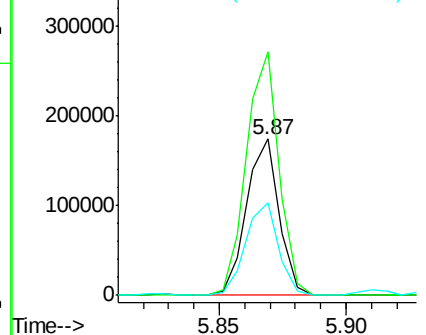


Abundance

Ion 152.00 (151.70 to 152.70): E

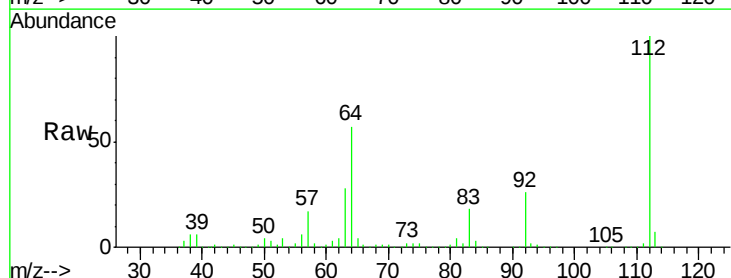
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 92.80 ng
 RT: 4.40 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: BF094216.D
 Acq: 6 Apr 2017 4:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.0	69.0
63	28.5	23.4	35.0

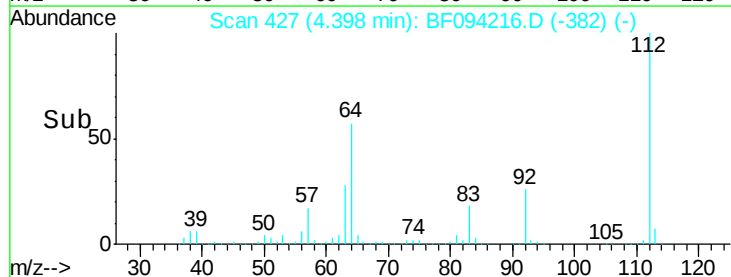
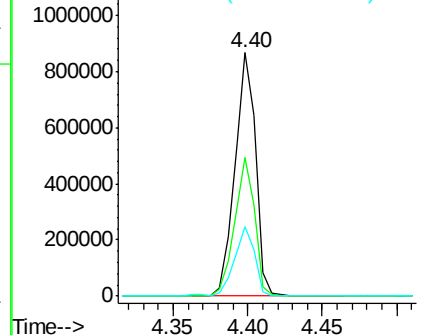


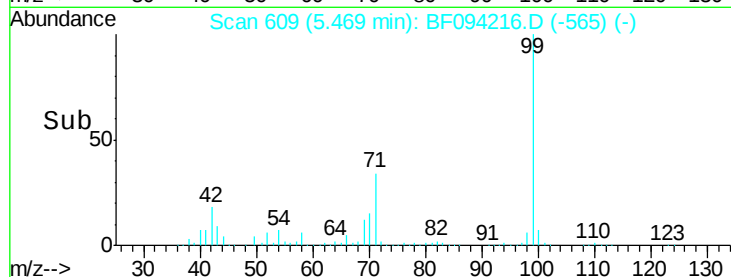
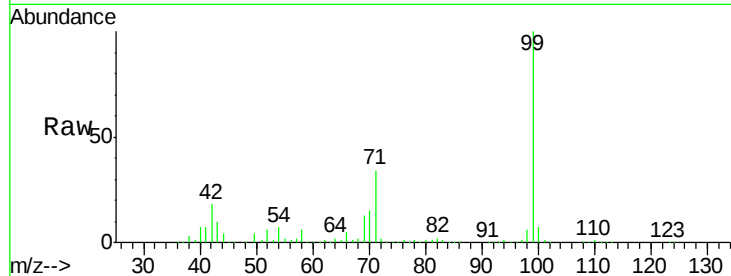
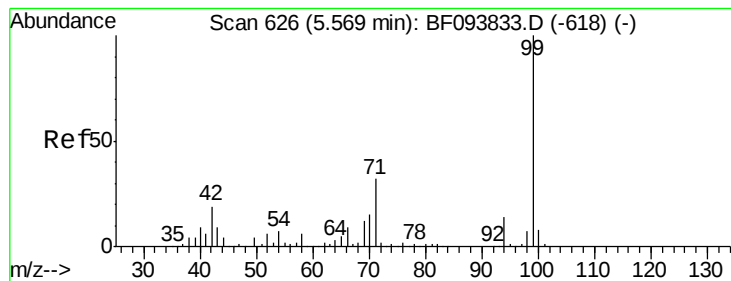
Abundance

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: 93.51 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.04 min

Lab File: BF094216.D

Acq: 6 Apr 2017 4:36

Tot Ion: 99 Resp: 1060868

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

71 34.3 24.5 36.7

Instrument :

BNA_F

ClientSampleId :

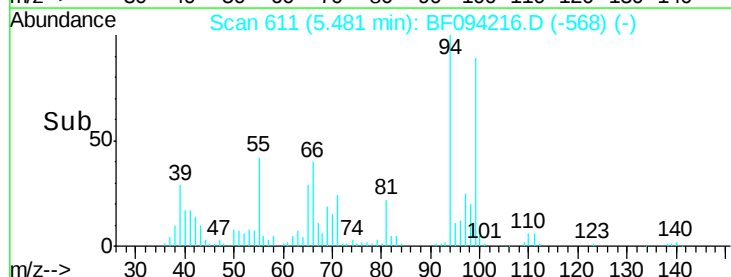
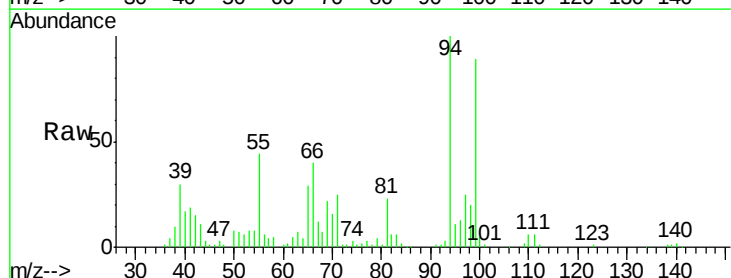
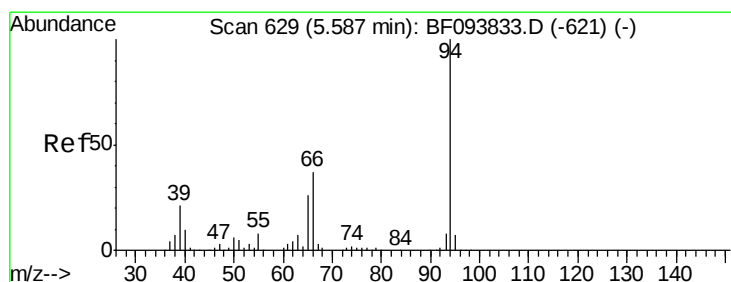
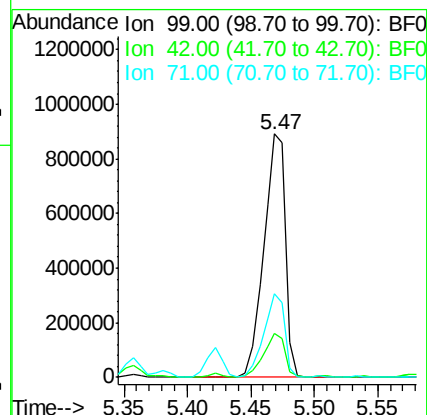
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#10

Phenol

Concen: 8.86 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.05 min

Lab File: BF094216.D

Acq: 6 Apr 2017 4:36

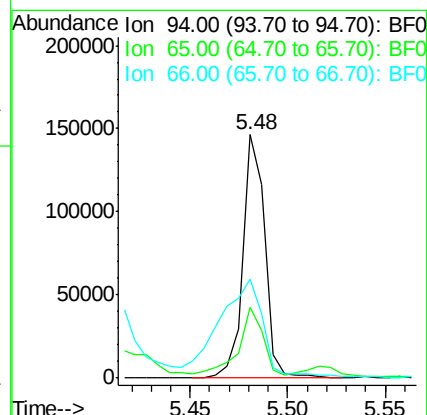
Tgt Ion: 94 Resp: 114353

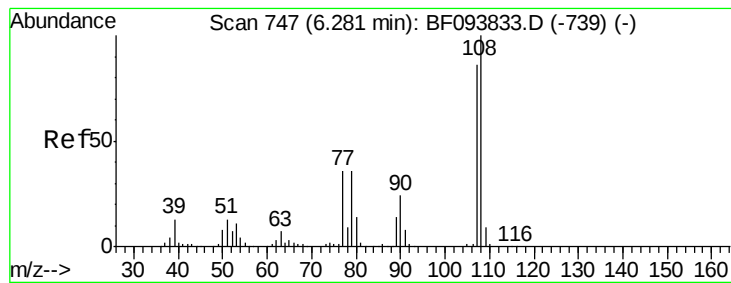
Ion Ratio Lower Upper

94 100

65 29.1 9.9 49.9

66 40.4 23.1 63.1





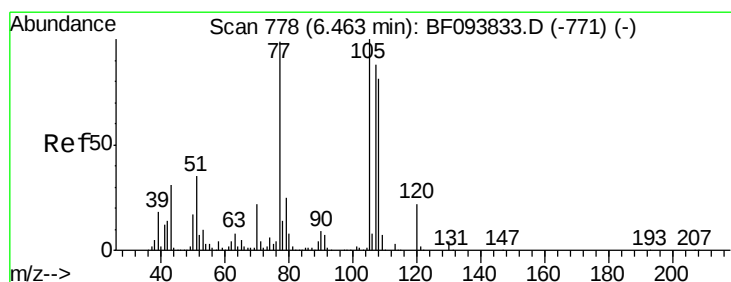
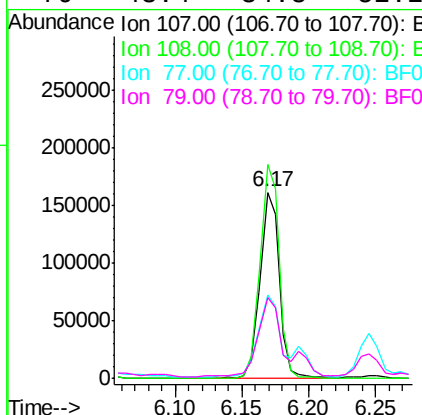
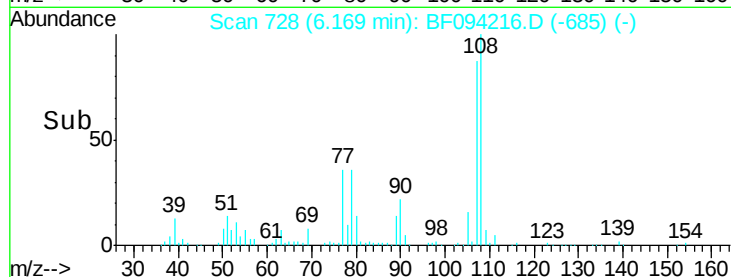
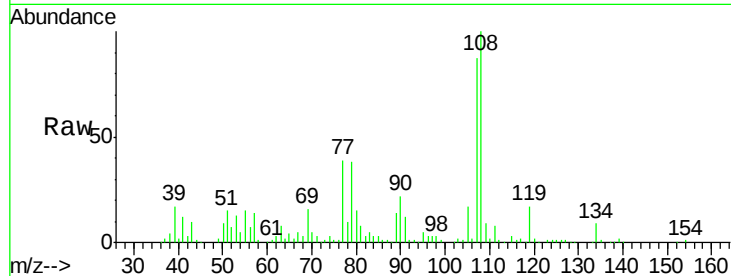
#17
2-Methylphenol
Concen: 18.52 ng
RT: 6.17 min Scan# 728
Delta R.T. -0.05 min
Lab File: BF094216.D
Acq: 6 Apr 2017 4:36

Instrument :
BNA_F
ClientSampleId :
E2-BB8-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	159910		
108	108	114.7		93.4	140.0
77	77	44.6		35.8	53.6
79	79	43.4		34.8	52.2

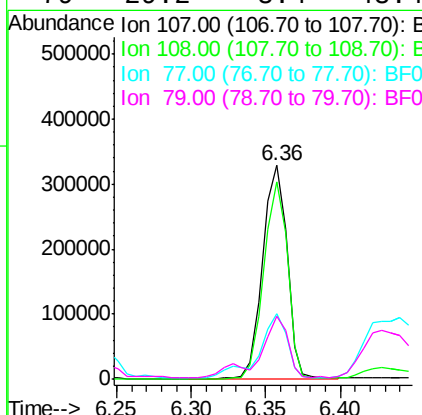
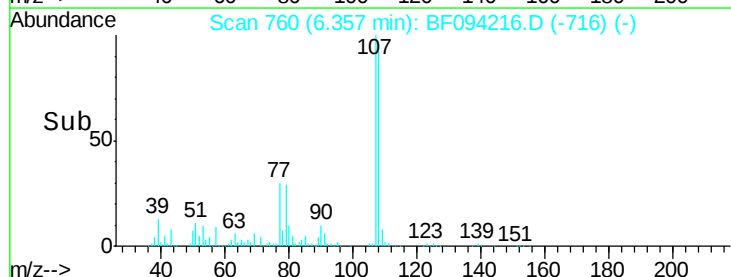
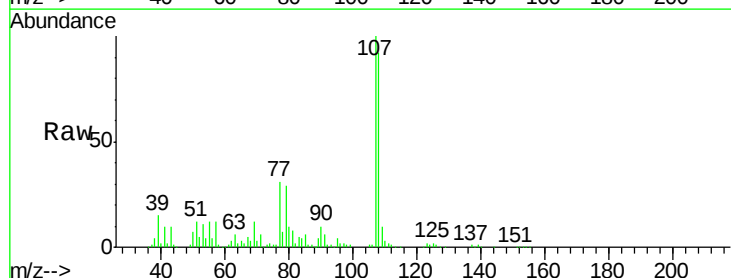
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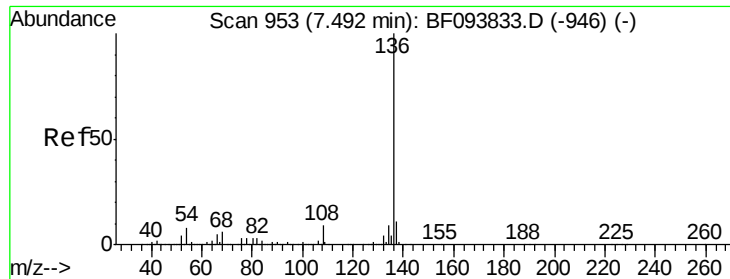
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#20
3+4-Methylphenols
Concen: 35.25 ng
RT: 6.36 min Scan# 760
Delta R.T. -0.04 min
Lab File: BF094216.D
Acq: 6 Apr 2017 4:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	368597		
108	108	92.0		71.0	111.0
77	77	30.6		90.5	130.5#
79	79	29.2		8.4	48.4





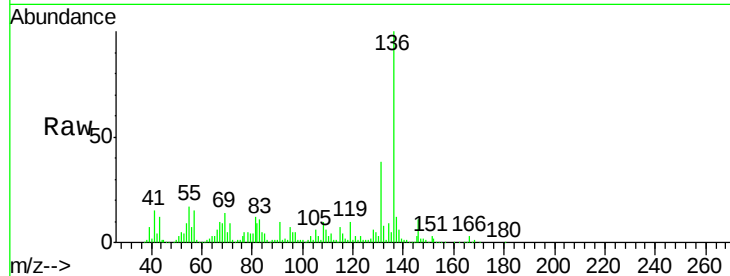
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.37 min Scan# 933
Delta R.T. -0.04 min
Lab File: BF094216.D
Acq: 6 Apr 2017 4:36

Instrument :
BNA_F
ClientSampleId :
E2-BB8-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	12.0		8.5	12.7	
54	9.4		4.9	7.3	
68	8.7		4.1	6.1	

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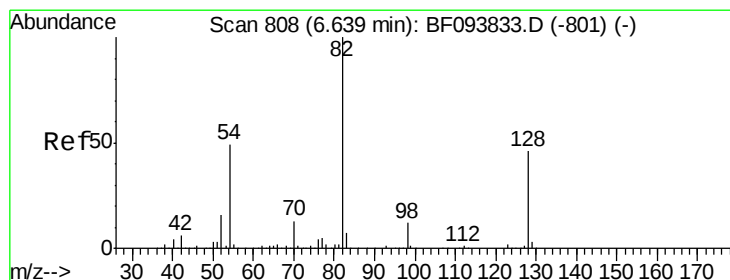
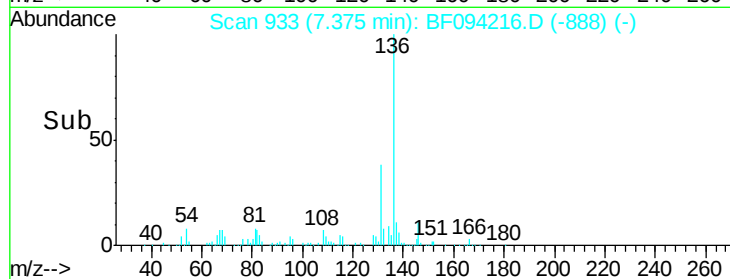
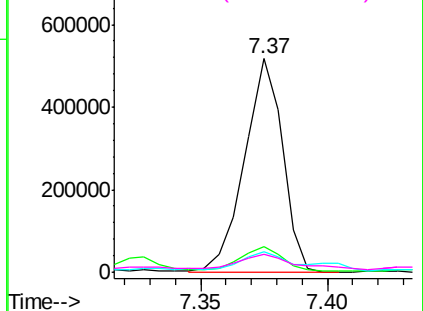
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

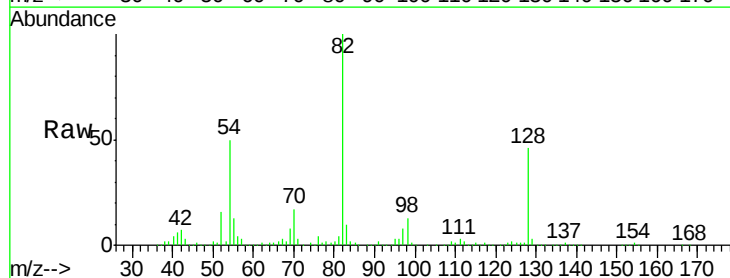
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 66.75 ng
RT: 6.52 min Scan# 787
Delta R.T. -0.04 min
Lab File: BF094216.D
Acq: 6 Apr 2017 4:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	45.7		34.0	51.0	
54	49.7		42.2	63.2	

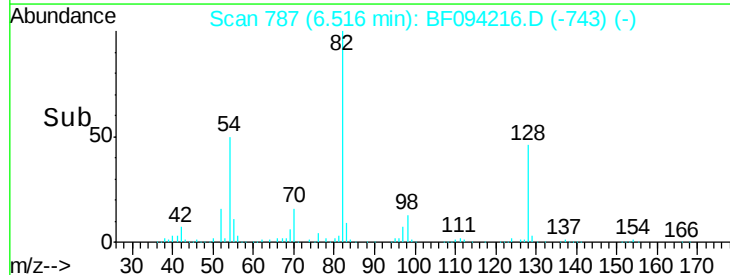
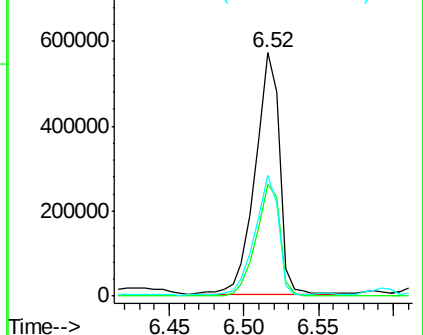


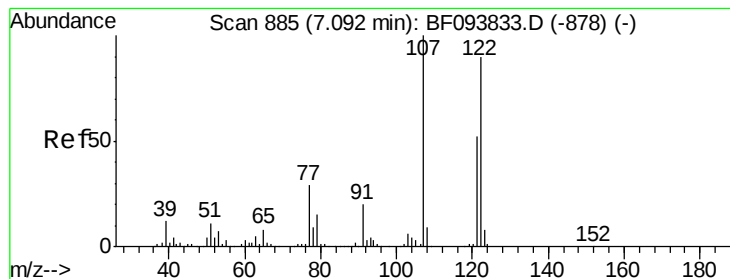
Abundance

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





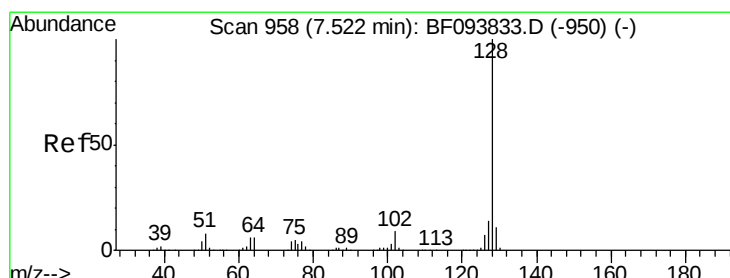
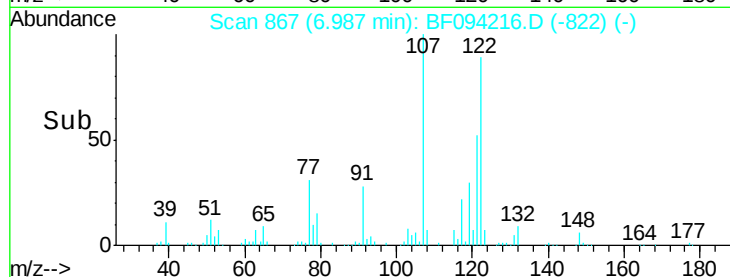
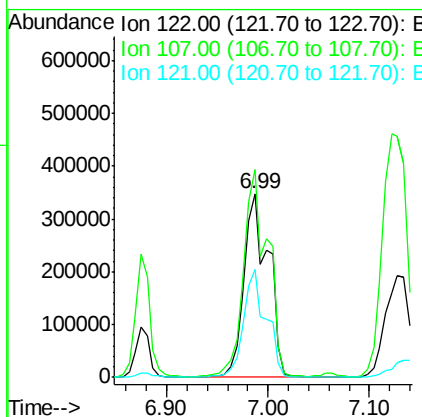
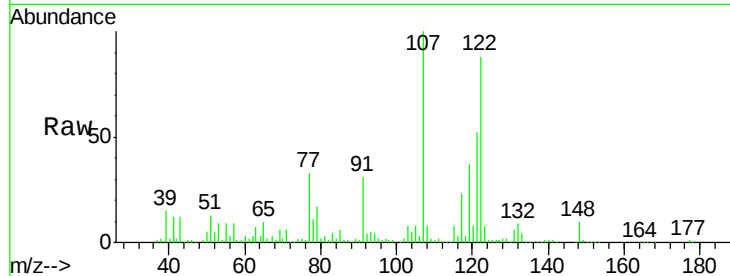
#27
 2,4-Dimethylphenol
 Concen: 75.19 ng
 RT: 6.99 min Scan# 867
 Delta R.T. -0.04 min
 Lab File: BF094216.D
 Acq: 6 Apr 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB8-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	113.4	89.2		133.8	
121	58.7	45.2		67.8	

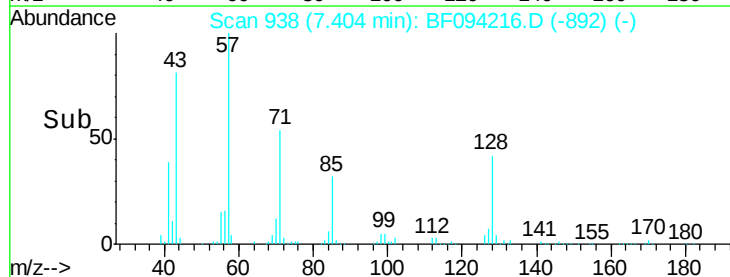
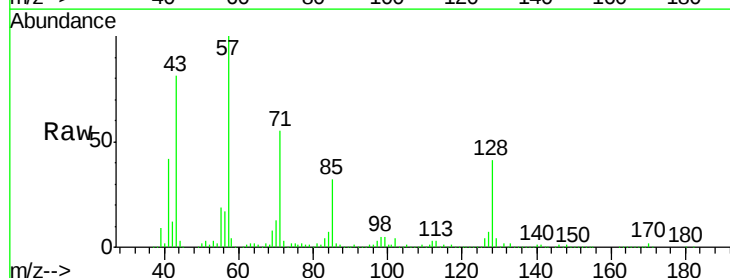
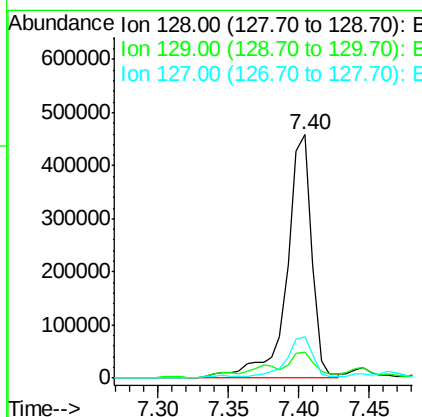
Manual Integrations
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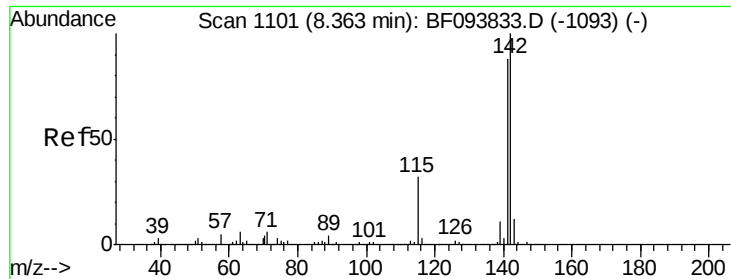
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#31
 Naphthalene
 Concen: 21.50 ng
 RT: 7.40 min Scan# 938
 Delta R.T. -0.03 min
 Lab File: BF094216.D
 Acq: 6 Apr 2017 4:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
129	10.8	9.0		13.6	
127	17.1	10.8		16.2#	





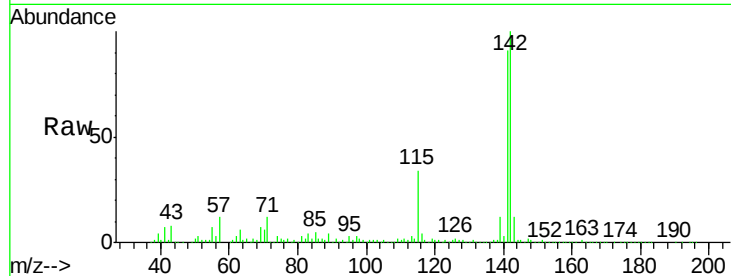
#37
2-Methylnaphthalene
Concen: 71.86 ng
RT: 8.25 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF094216.D
Acq: 6 Apr 2017 4:36

Instrument :
BNA_F
ClientSampleId :
E2-BB8-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.3	106.9
115	33.9	27.1	40.7

Manual Integrations
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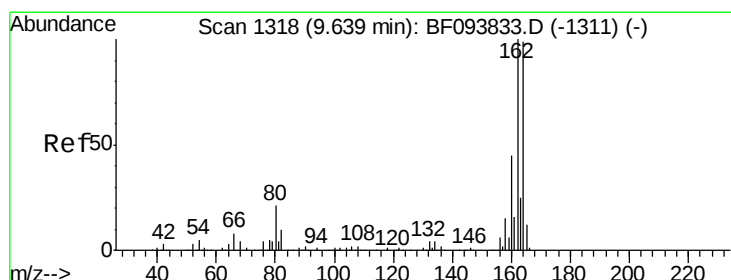
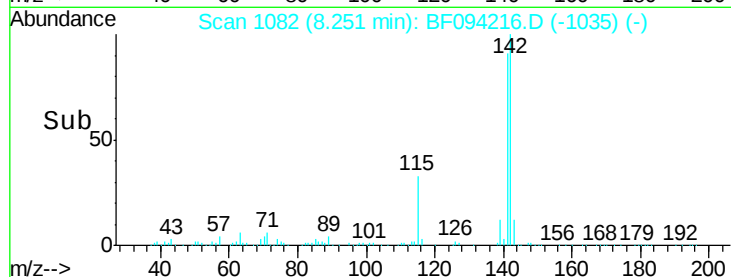
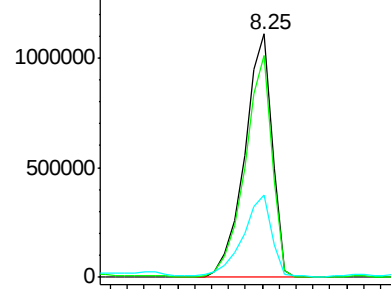


Abundance

Ion 142.00 (141.70 to 142.70): E

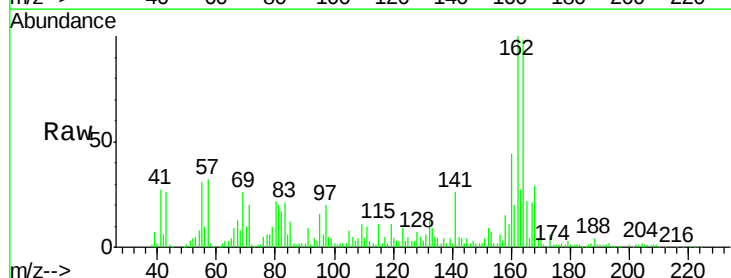
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.52 min Scan# 1297
Delta R.T. -0.04 min
Lab File: BF094216.D
Acq: 6 Apr 2017 4:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	123.8
160	45.4	36.2	54.2

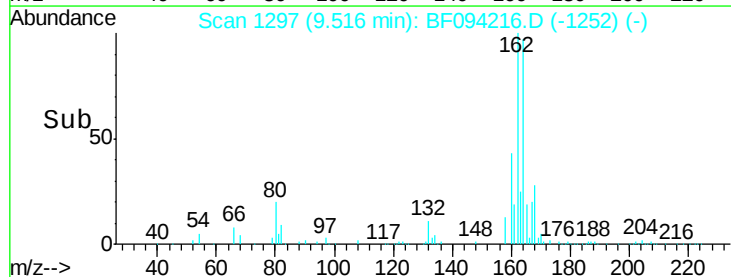
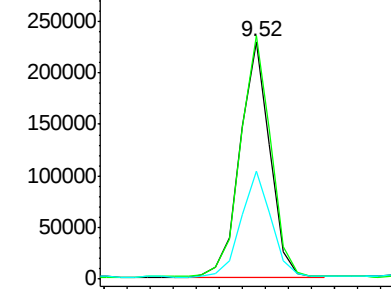


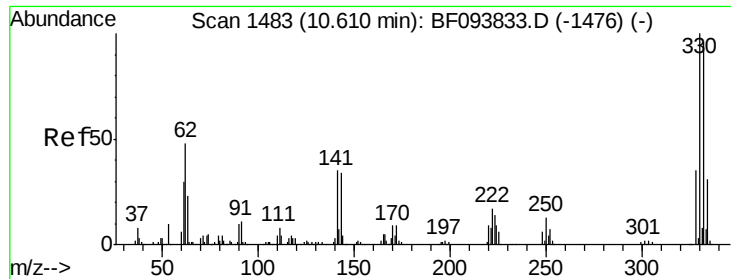
Abundance

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





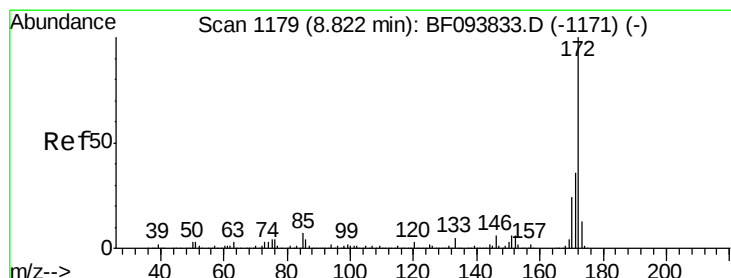
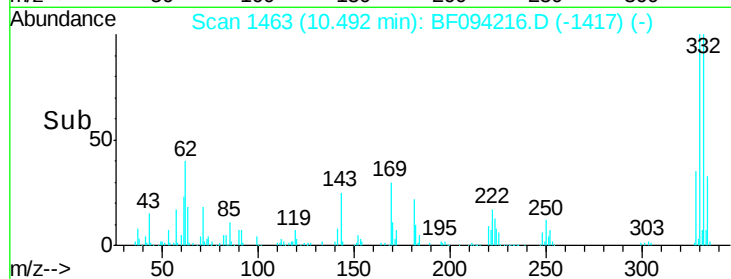
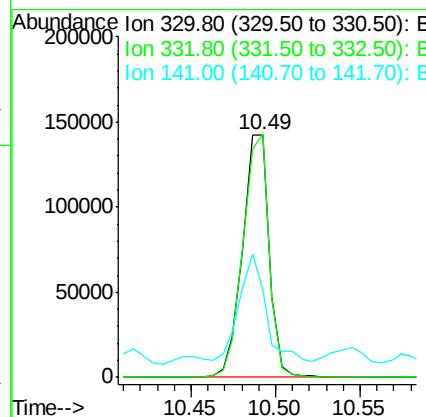
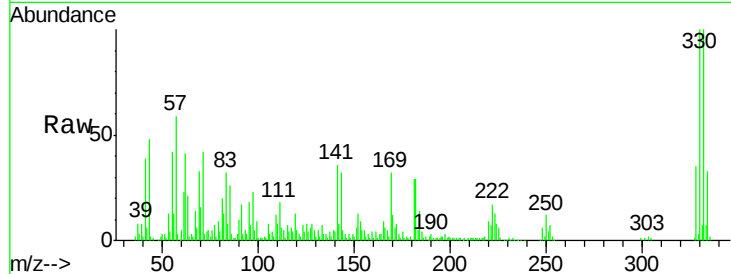
#41
 2,4,6-Tribromophenol
 Concen: 96.23 ng
 RT: 10.49 min Scan# 1463
 Delta R.T. -0.03 min
 Lab File: BF094216.D
 Acq: 6 Apr 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB8-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	115.0
141	44.0	31.4	47.2

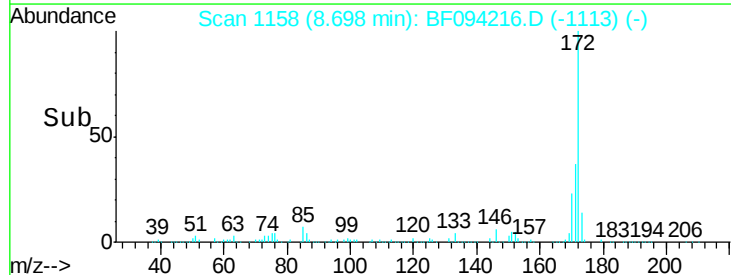
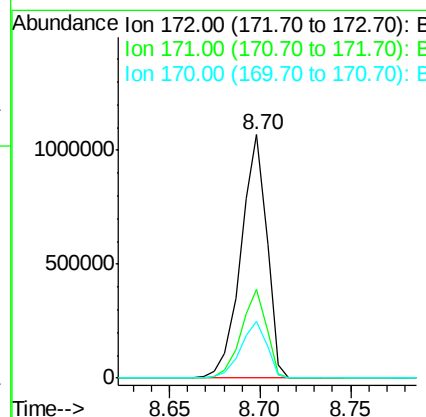
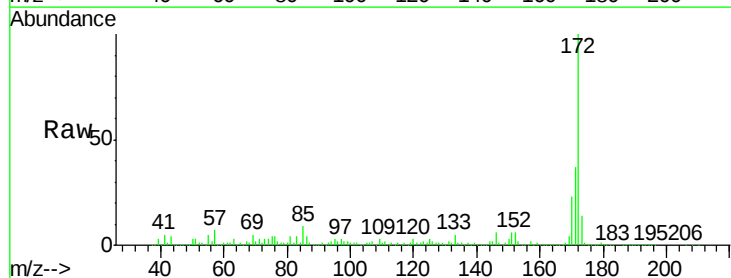
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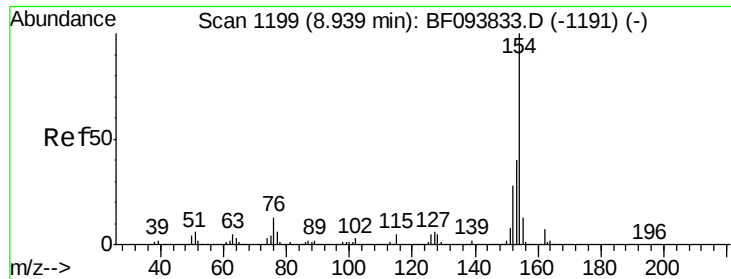
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 78.00 ng
 RT: 8.70 min Scan# 1158
 Delta R.T. -0.04 min
 Lab File: BF094216.D
 Acq: 6 Apr 2017 4:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	23.3	19.8	29.8





#45

1,1'-Biphenyl

Concen: 7.65 ng

RT: 8.82 min Scan# 1178

Delta R.T. -0.04 min

Lab File: BF094216.D

Acq: 6 Apr 2017 4:36

Instrument :

BNA_F

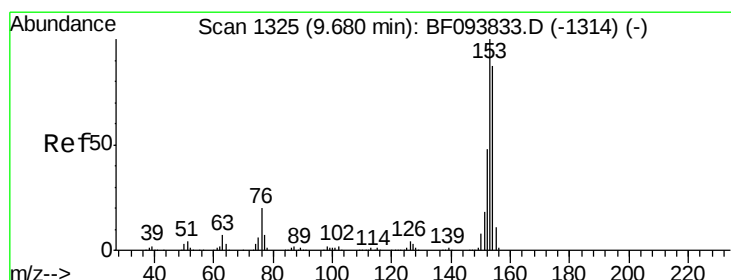
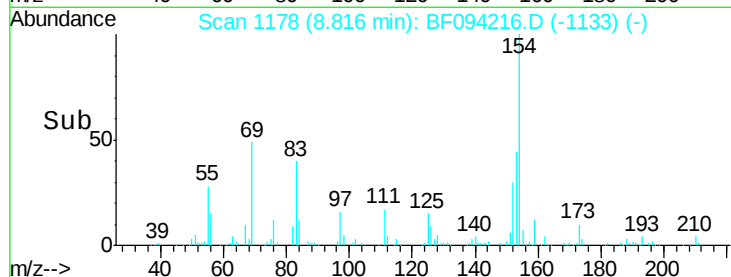
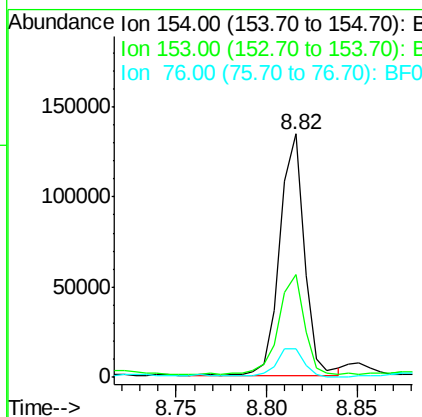
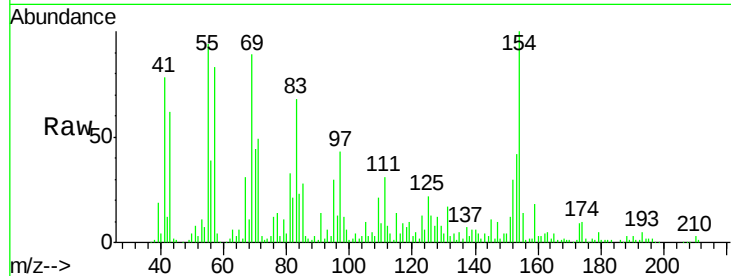
ClientSampleId :

E2-BB8-BASE

Tot Ion:	154	Resp:	127249
Ion Ratio	Lower	Upper	
154	100		
153	42.0	21.2	61.2
76	11.8	0.0	29.9

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#51

Acenaphthene

Concen: 3.44 ng

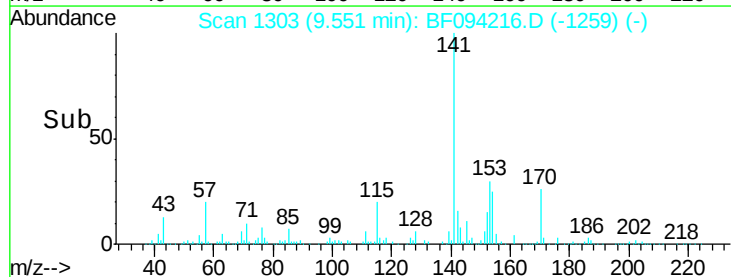
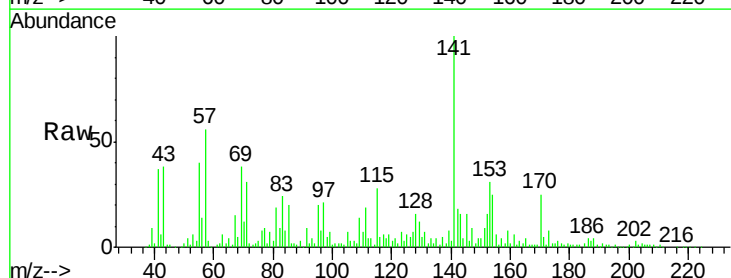
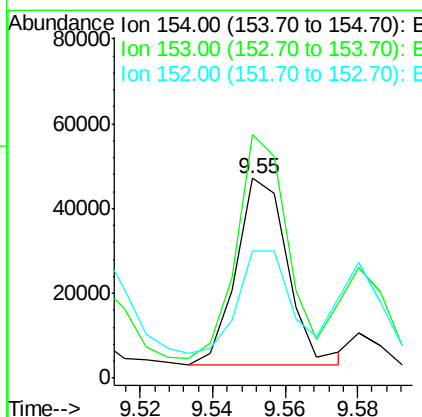
RT: 9.55 min Scan# 1303

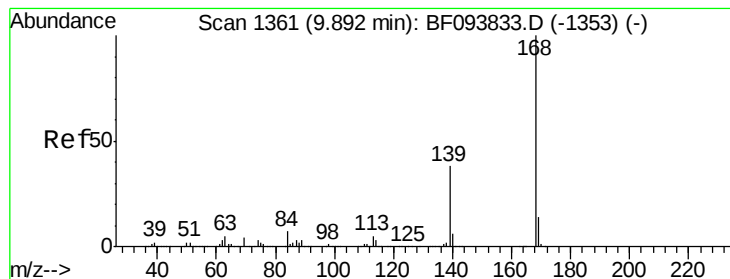
Delta R.T. -0.04 min

Lab File: BF094216.D

Acq: 6 Apr 2017 4:36

Tgt Ion:	154	Resp:	43442
Ion Ratio	Lower	Upper	
154	100		
153	121.8	90.5	135.7
152	63.5	43.6	65.4





#54

Dibenzofuran

Concen: 4.71 ng

RT: 9.77 min Scan# 1340

Delta R.T. -0.04 min

Lab File: BF094216.D

Acq: 6 Apr 2017 4:36

Instrument :

BNA_F

ClientSampleId :

E2-BB8-BASE

Tot Ion:168 Resp: 80935

Ion Ratio Lower Upper

168 100

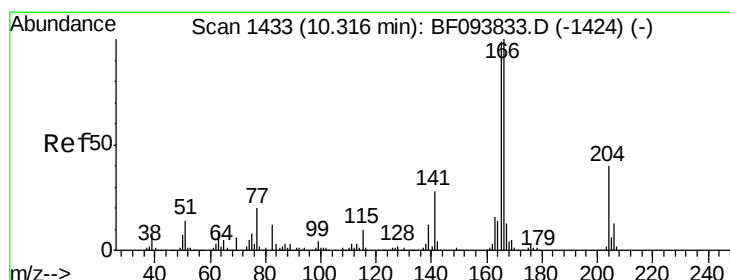
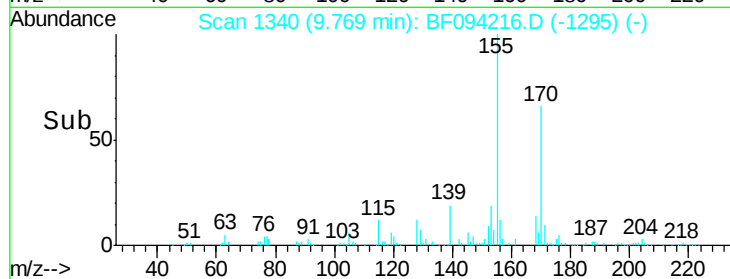
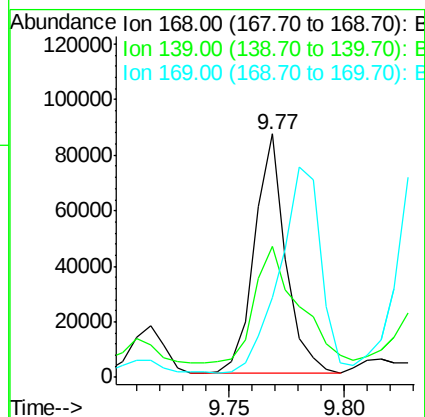
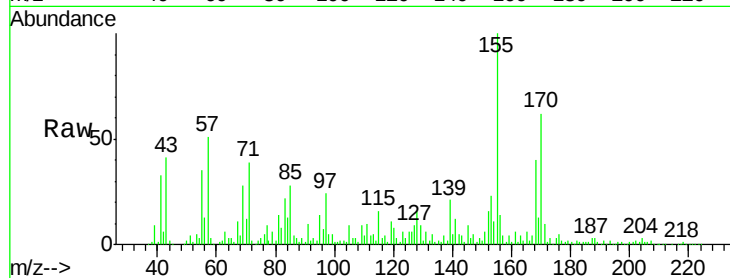
139 53.7 30.6 45.8#

169 32.9 10.8 16.2#

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#57

Fluorene

Concen: 6.23 ng

RT: 10.19 min Scan# 1412

Delta R.T. -0.04 min

Lab File: BF094216.D

Acq: 6 Apr 2017 4:36

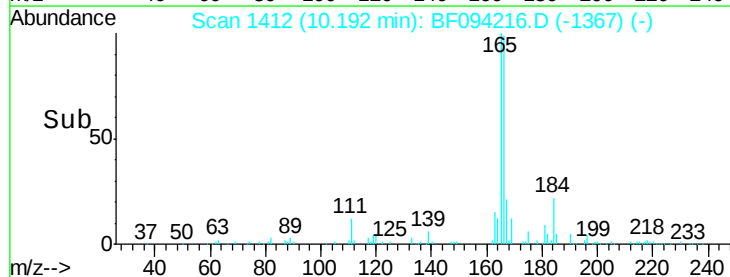
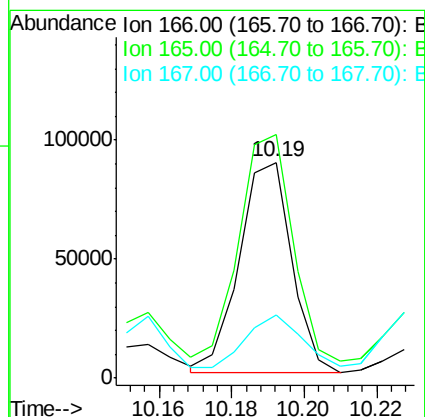
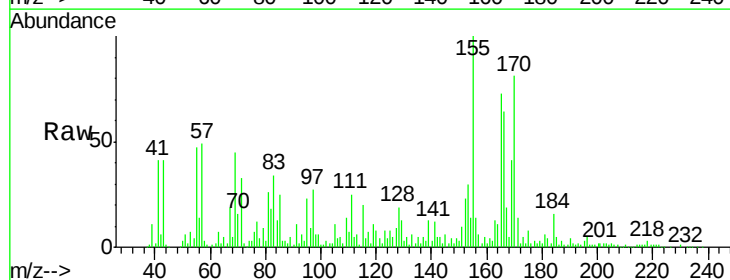
Tgt Ion:166 Resp: 88813

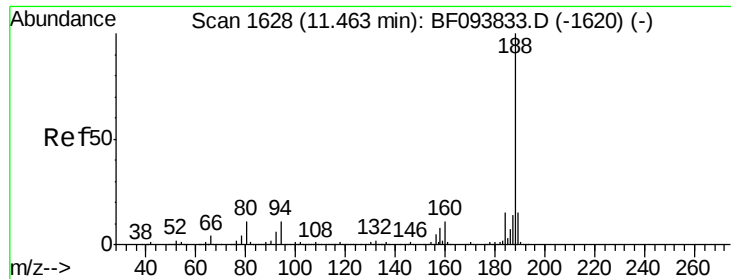
Ion Ratio Lower Upper

166 100

165 112.9 78.8 118.2

167 29.4 10.6 16.0#





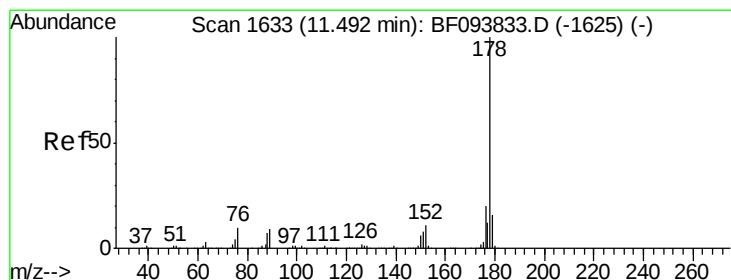
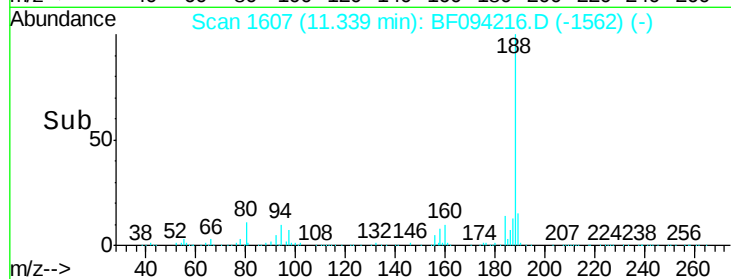
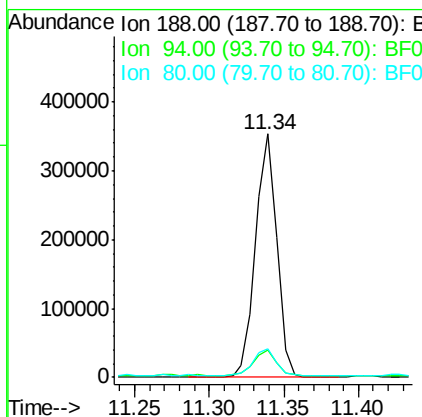
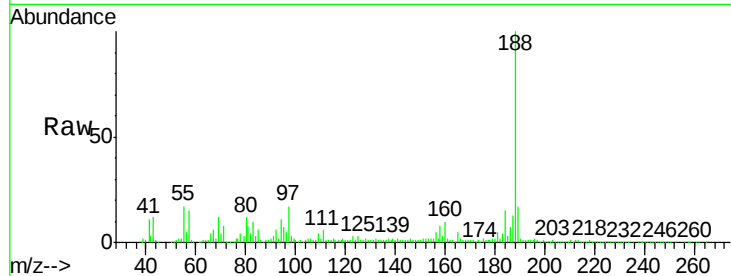
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1607
Delta R.T. -0.04 min
Lab File: BF094216.D
Acq: 6 Apr 2017 4:36

Instrument :
BNA_F
ClientSampleId :
E2-BB8-BASE

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.1	9.4	14.2
80	12.0	10.2	15.2

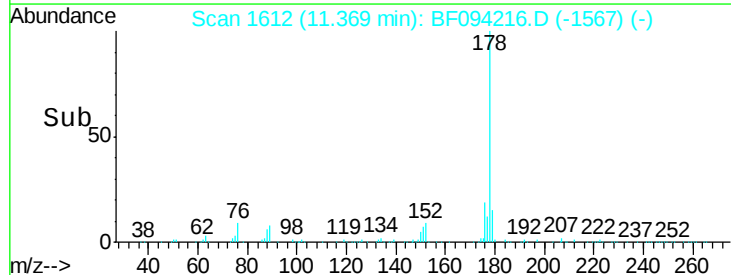
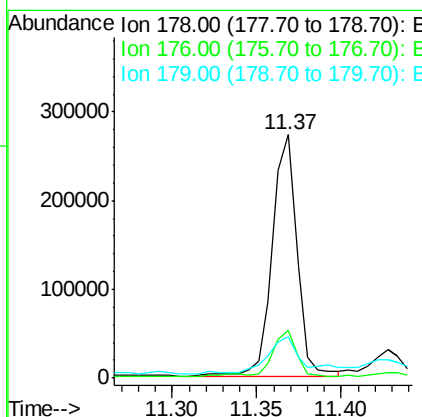
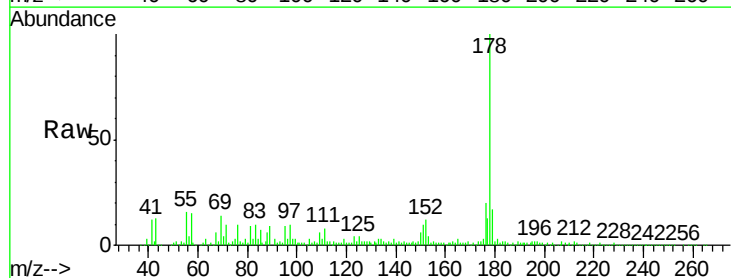
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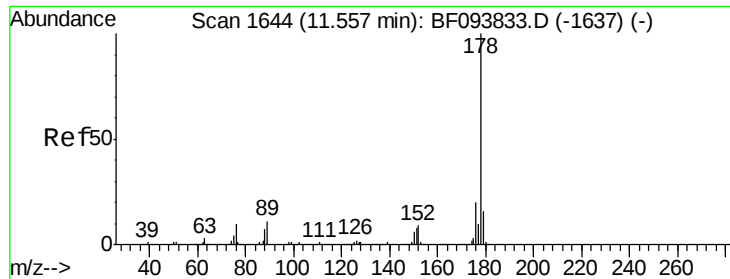
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#70
Phenanthrene
Concen: 14.45 ng
RT: 11.37 min Scan# 1612
Delta R.T. -0.04 min
Lab File: BF094216.D
Acq: 6 Apr 2017 4:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	16.2	24.4
179	16.9	12.6	19.0





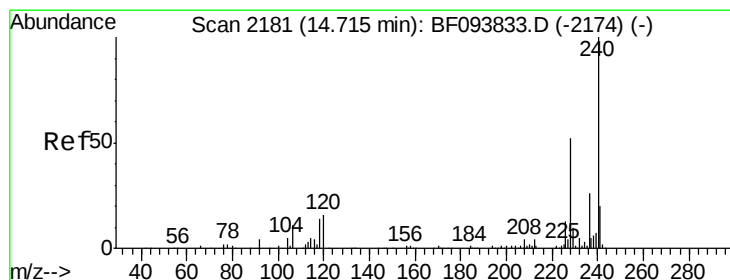
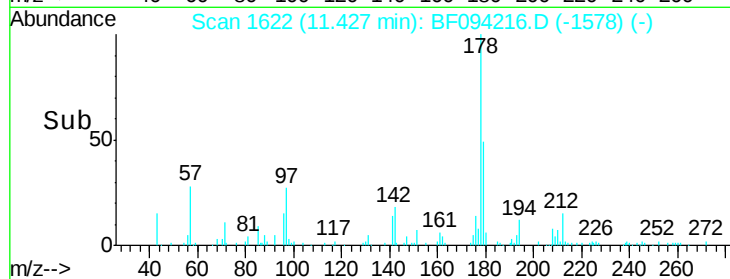
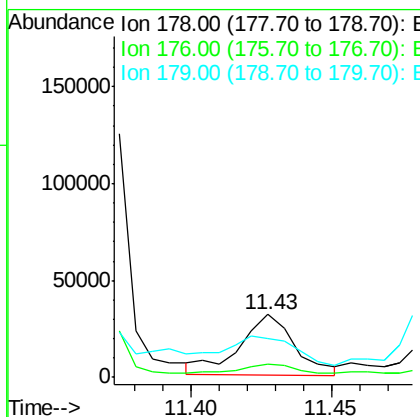
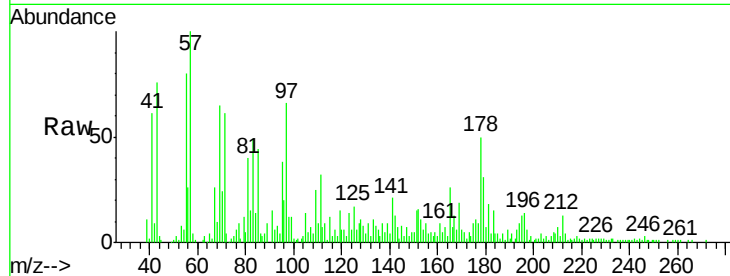
#71
 Anthracene
 Concen: 2.19 ng/ml
 RT: 11.43 min Scan# 1622
 Delta R.T. -0.04 min
 Lab File: BF094216.D
 Acq: 6 Apr 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB8-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.8	23.8
179	62.5	12.7	19.1

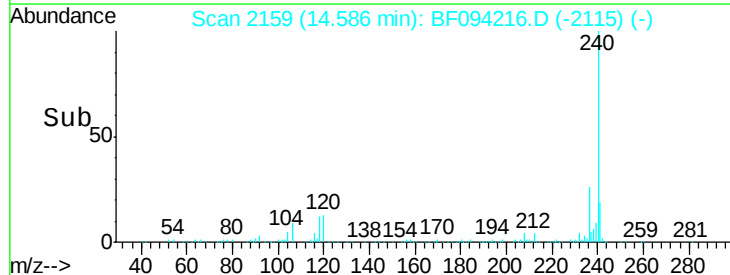
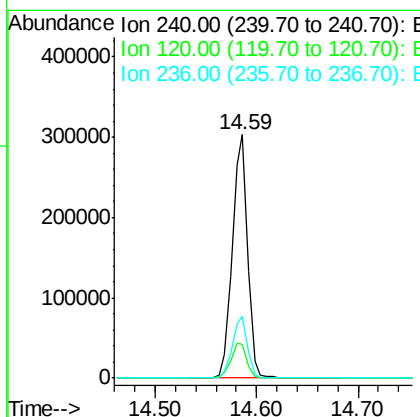
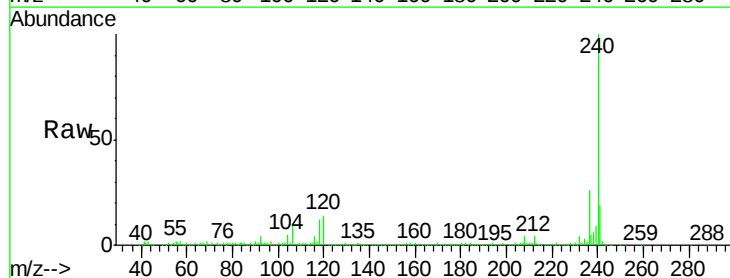
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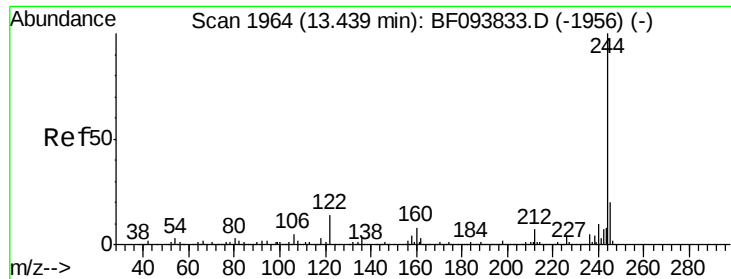
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.59 min Scan# 2159
 Delta R.T. -0.04 min
 Lab File: BF094216.D
 Acq: 6 Apr 2017 4:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8
236	25.6	20.5	30.7





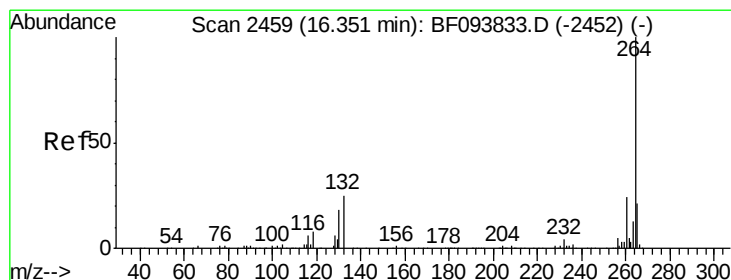
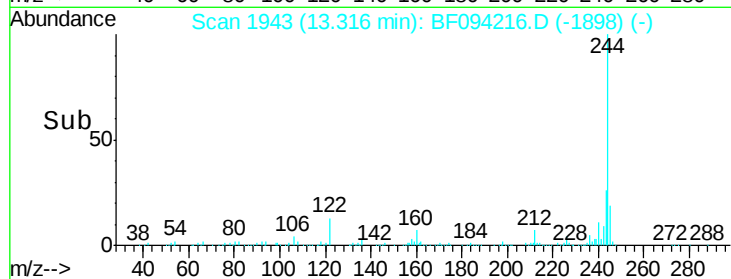
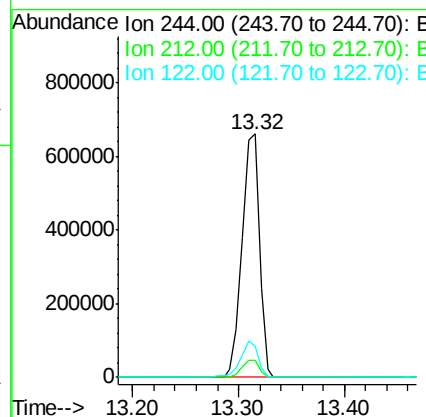
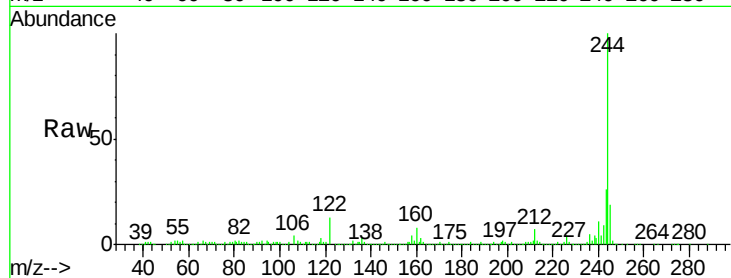
#78
 Terphenyl-d14
 Concen: 52.89 ng
 RT: 13.32 min Scan# 1943
 Delta R.T. -0.04 min
 Lab File: BF094216.D
 Acq: 6 Apr 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB8-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.0	10.3	15.5

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.21 min Scan# 2435
 Delta R.T. -0.04 min
 Lab File: BF094216.D
 Acq: 6 Apr 2017 4:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.4	17.2	25.8

