

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\
 Data File : BF079125.D
 Acq On : 11 May 2015 19:41
 Operator : TP/IZ
 Sample : G2146-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Manual Integrations
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Quant Time: May 12 02:37:57 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 01:34:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	58876	20.00	ng	0.00
21) Naphthalene-d8	8.88	136	242464	20.00	ng	0.00
38) Acenaphthene-d10	11.05	164	125985	20.00	ng	0.00
63) Phenanthrene-d10	12.89	188	237742	20.00	ng	-0.01
75) Chrysene-d12	16.19	240	259758	20.00	ng	-0.03
86) Perylene-d12	17.95	264	264053	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	203078	59.37	ng	0.01
7) Phenol-d6	6.86	99	161535	35.73	ng	0.00
23) Nitrobenzene-d5	7.99	82	355317	84.22	ng	0.00
41) 2,4,6-Tribromophenol	12.03	330	188162	138.06	ng	0.00
44) 2-Fluorobiphenyl	10.22	172	725303	80.21	ng	-0.01
78) Terphenyl-d14	14.89	244	902786	83.21	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	9.76	142	609562	76.14	ng	99
51) Acenaphthene	11.09	154	34411	4.50	ng	99
54) Dibenzofuran	11.30	168	44014	3.98	ng	# 91
57) Fluorene	11.74	166	62036	6.84	ng	# 98
70) Phenanthrene	12.93	178	74505	5.60	ng	97
72) Carbazole	13.20	167	39556	3.18	ng	96

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

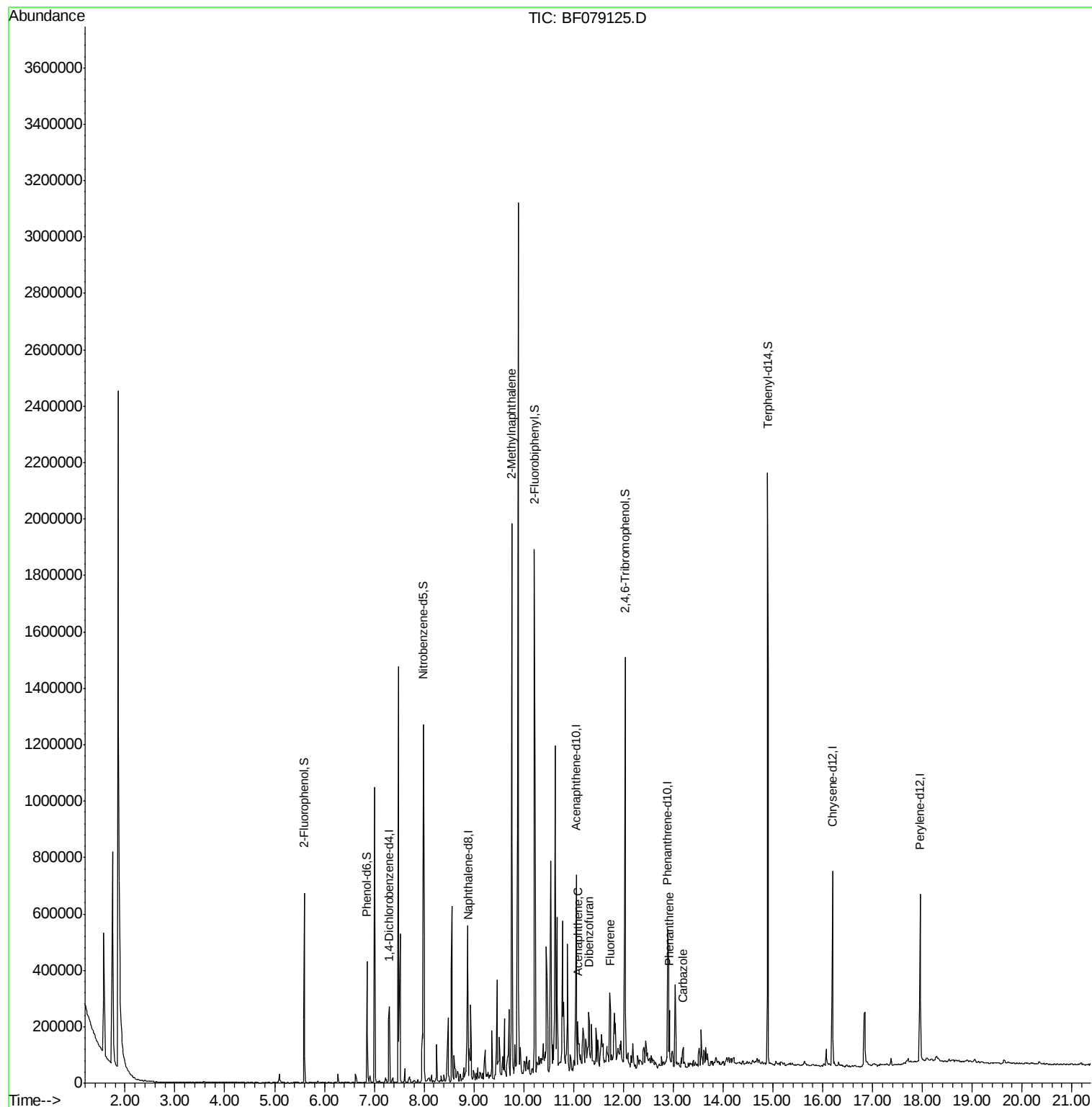
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\
Data File : BF079125.D
Acq On : 11 May 2015 19:41
Operator : TP/IZ
Sample : G2146-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

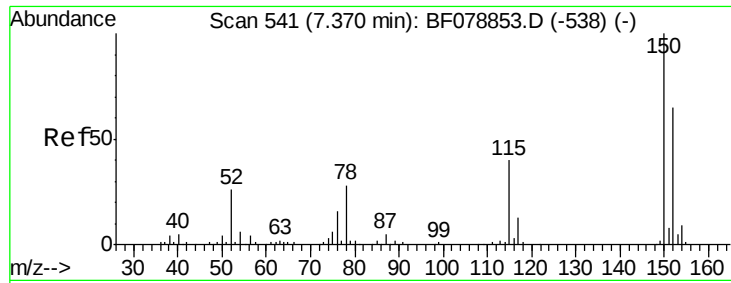
Instrument :
BNA_F
ClientSampleId :
MW-4

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#1

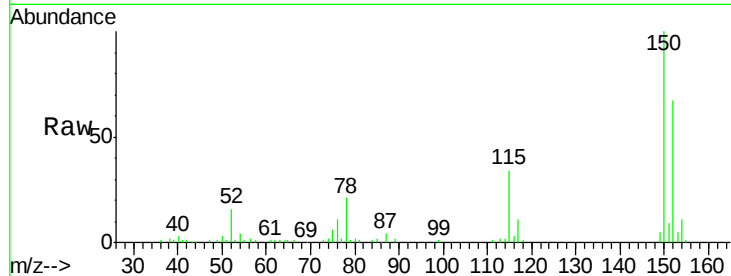
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF079125.D
Acq: 11 May 2015 19:41

Instrument :
BNA_F
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	122.0	183.0
115	51.3	46.3	69.5

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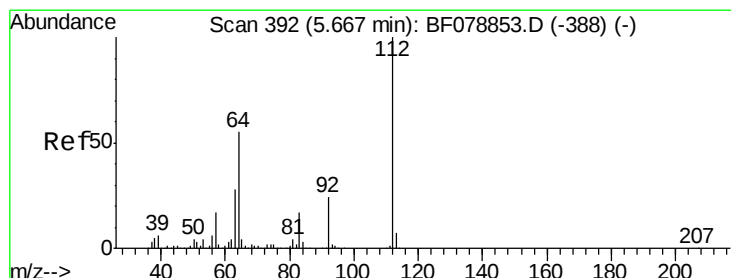
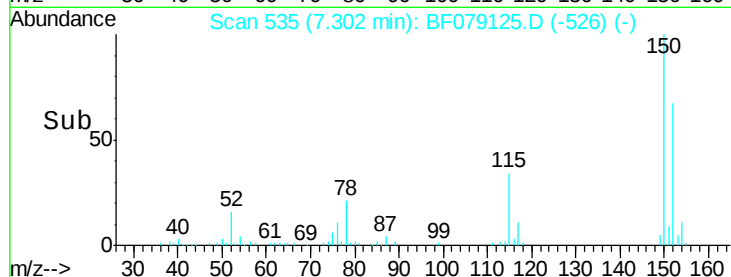
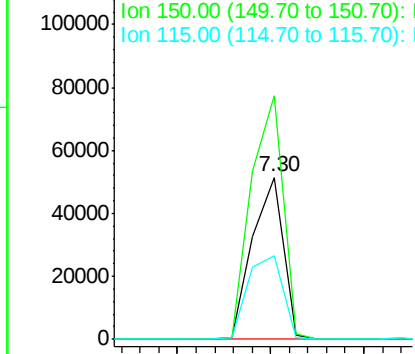


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

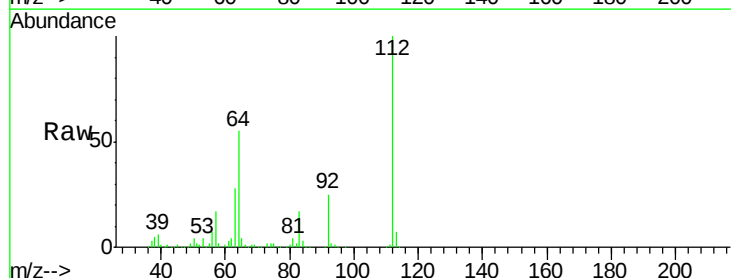
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 59.37 ng
RT: 5.60 min Scan# 386
Delta R.T. 0.01 min
Lab File: BF079125.D
Acq: 11 May 2015 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	53.5	80.3
63	27.6	27.5	41.3

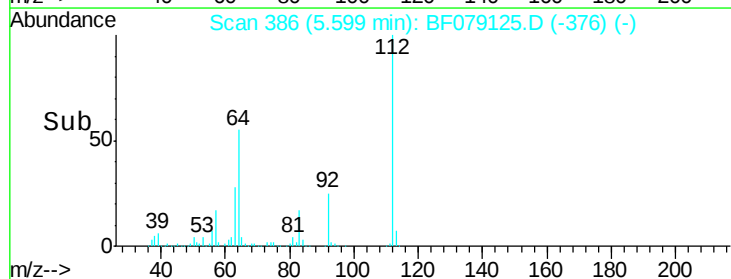
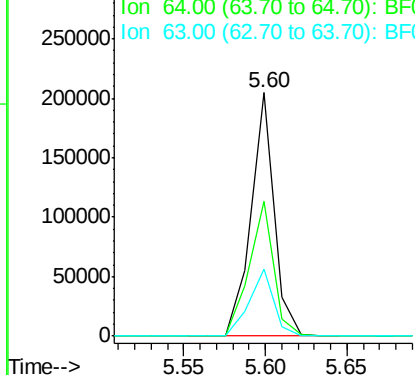


Abundance

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: 35.73 ng

RT: 6.86 min Scan# 496

Delta R.T. 0.00 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Instrument :

BNA_F

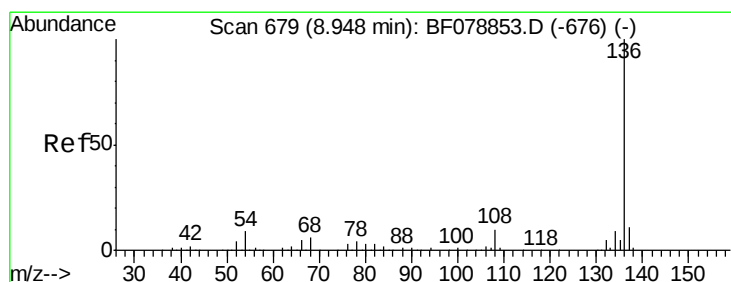
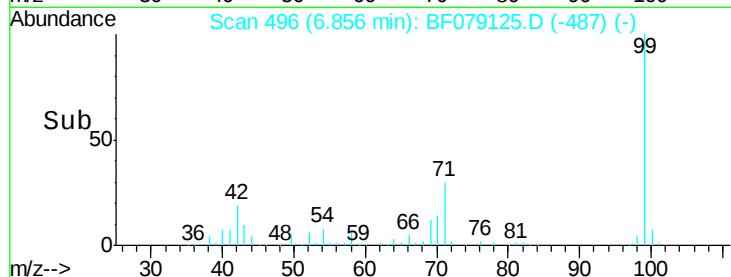
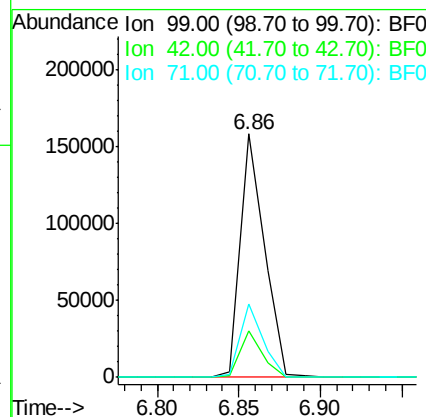
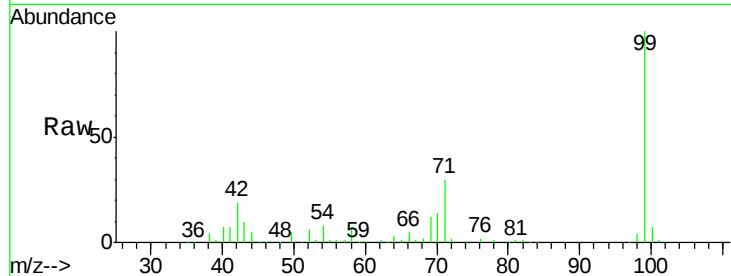
ClientSampleId :

MW-4

Tot Ion:	99	Resp:	161535
Ion Ratio	Lower	Upper	
99	100		
42	19.3	12.8	19.2#
71	30.3	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

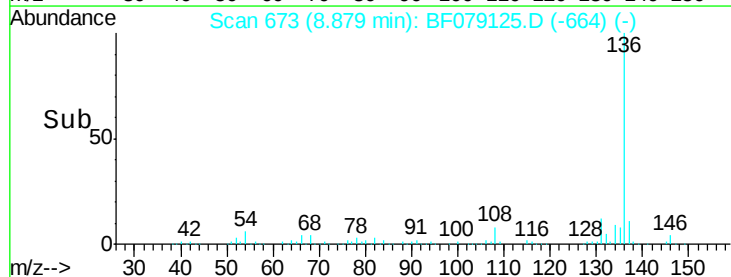
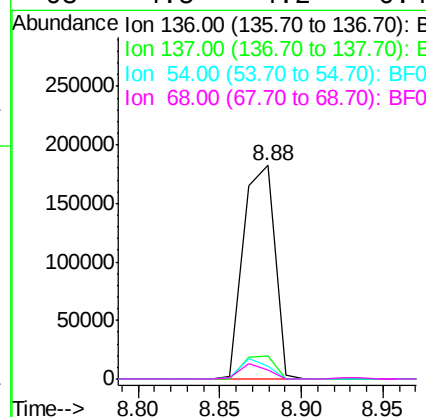
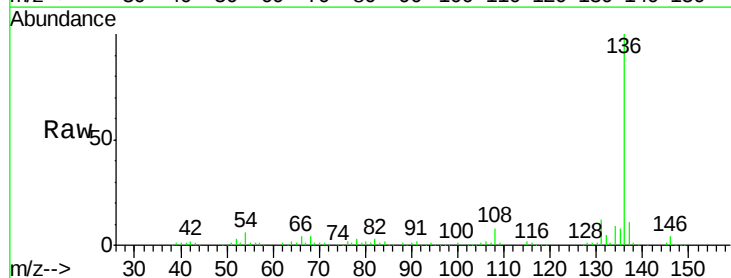
RT: 8.88 min Scan# 673

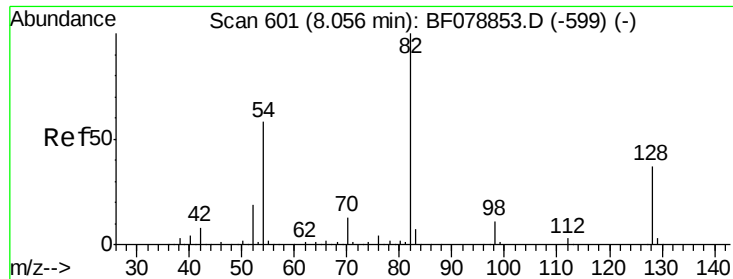
Delta R.T. 0.00 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Tgt Ion:	136	Resp:	242464
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	5.7	5.8	8.8#
68	4.5	4.2	6.4





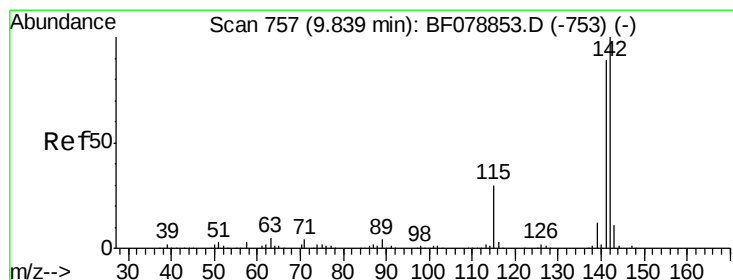
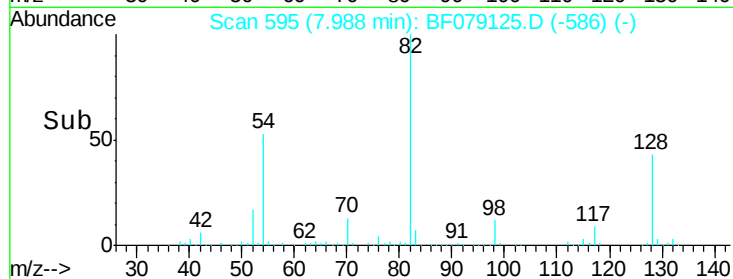
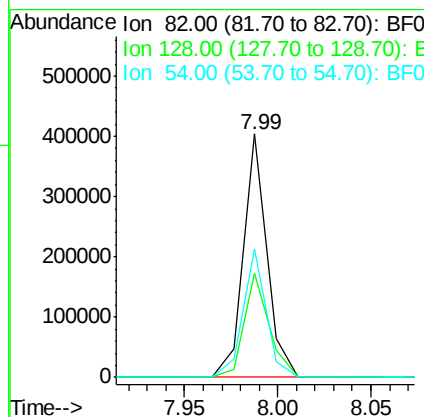
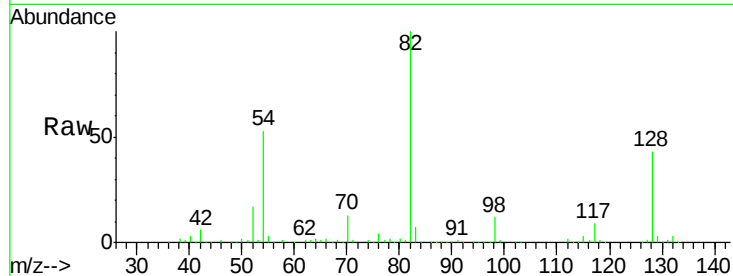
#23
 Nitrobenzene-d5
 Concen: 84.22 ng
 RT: 7.99 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: BF079125.D
 Acq: 11 May 2015 19:41

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tot Ion:	82	Resp:	355317
Ion Ratio	Lower	Upper	
82	100		
128	42.7	30.0	45.0
54	53.0	46.4	69.6

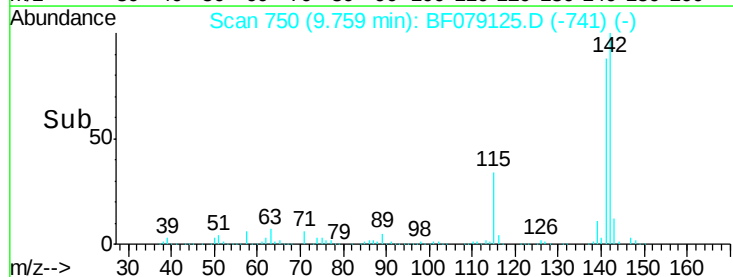
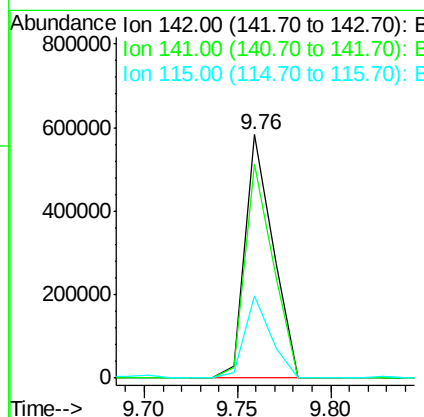
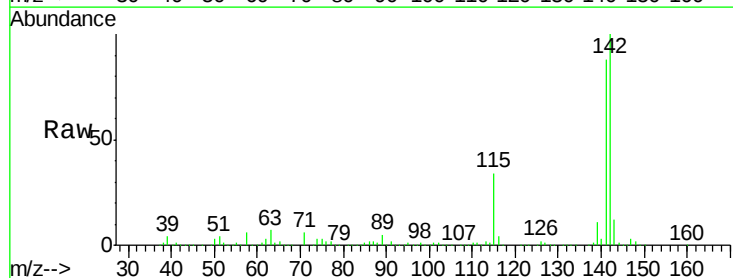
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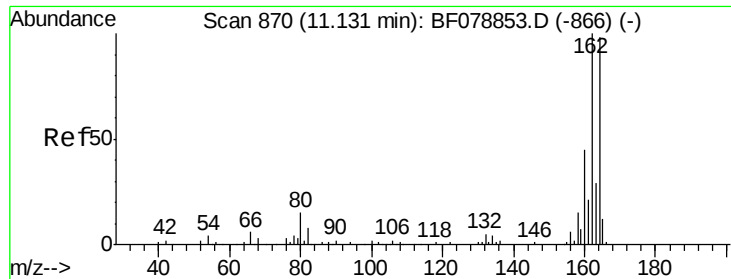
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#37
 2-Methylnaphthalene
 Concen: 76.14 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF079125.D
 Acq: 11 May 2015 19:41

Tgt Ion:	142	Resp:	609562
Ion Ratio	Lower	Upper	
142	100		
141	87.9	70.9	106.3
115	34.0	28.5	42.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF079125.D

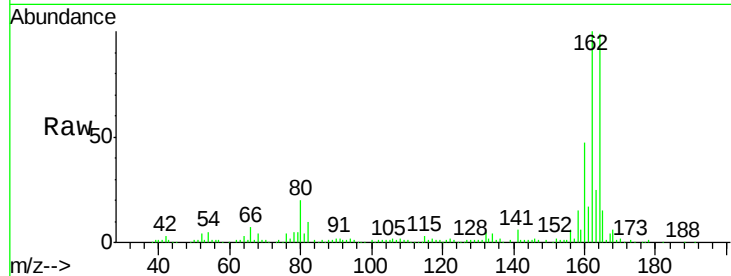
Acq: 11 May 2015 19:41

Instrument :

BNA_F

ClientSampleId :

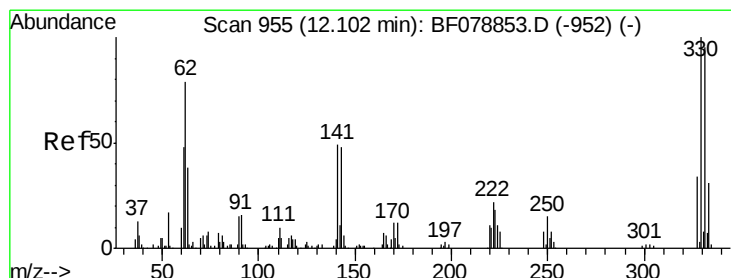
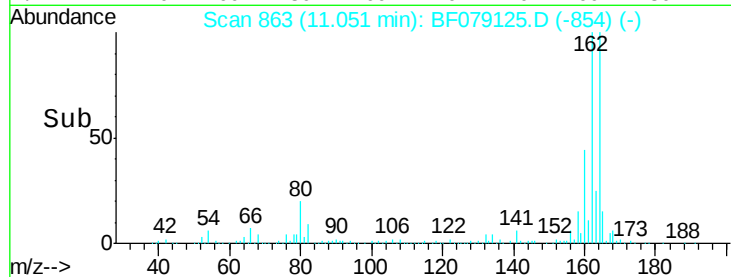
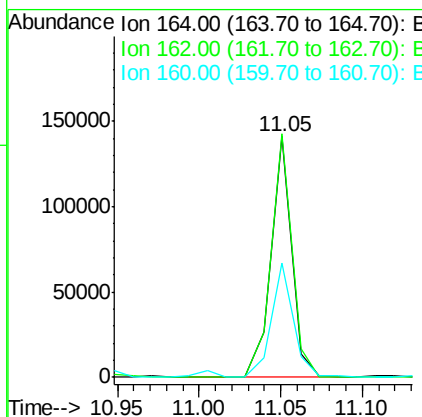
MW-4



Tot Ion	164	162	160
Ratio	100	101.2	47.3
Resp	125985	82.7	35.8
Lower		124.1	53.8
Upper			

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#41

2,4,6-Tribromophenol

Concen: 138.06 ng

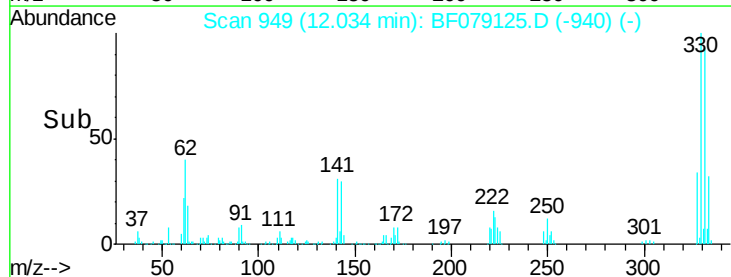
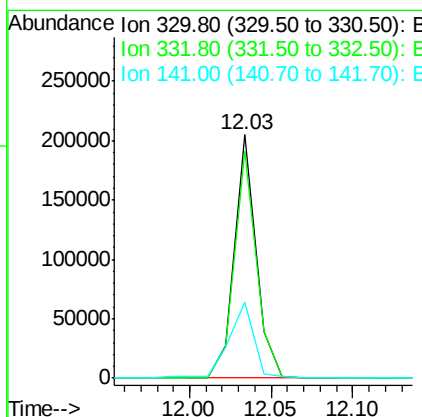
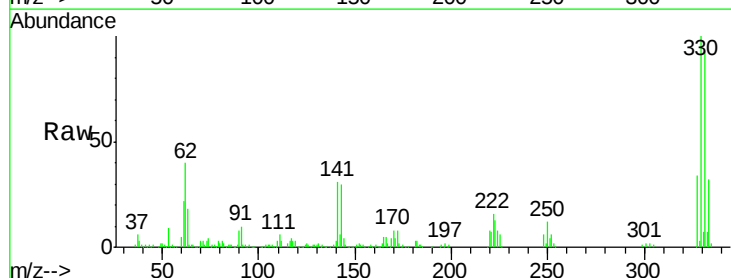
RT: 12.03 min Scan# 949

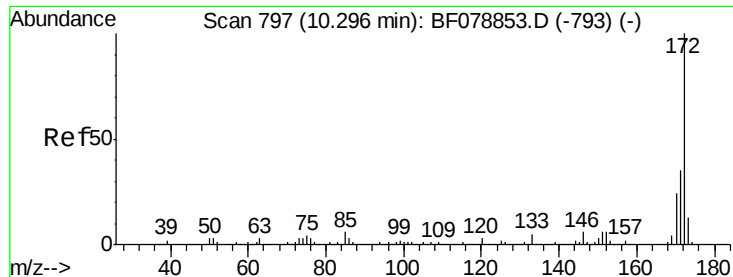
Delta R.T. 0.00 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Tgt Ion	330	332	141
Ratio	100	94.3	34.7
Resp	188162	0.0	0.0
Lower		0.0	0.0
Upper			





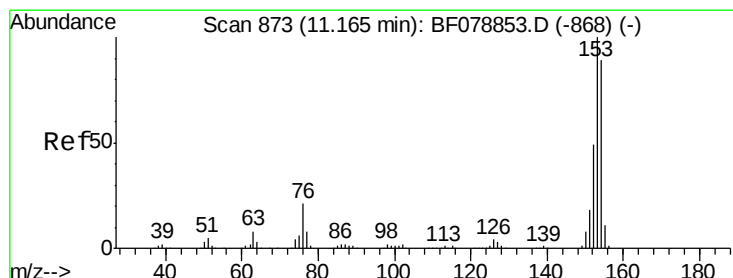
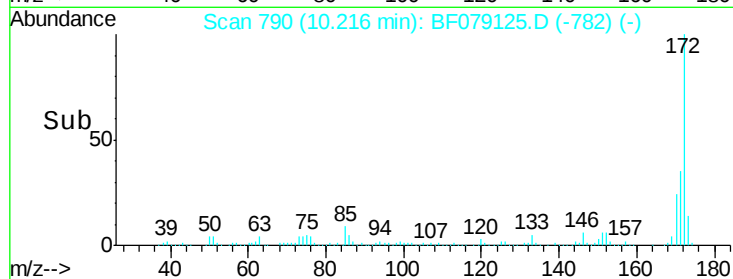
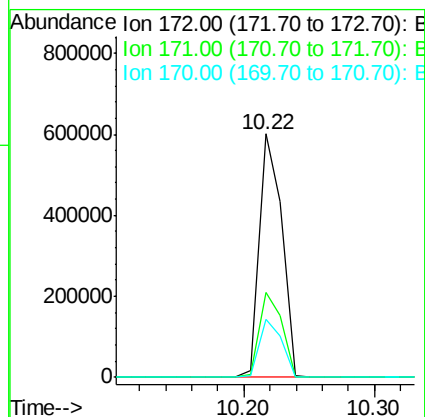
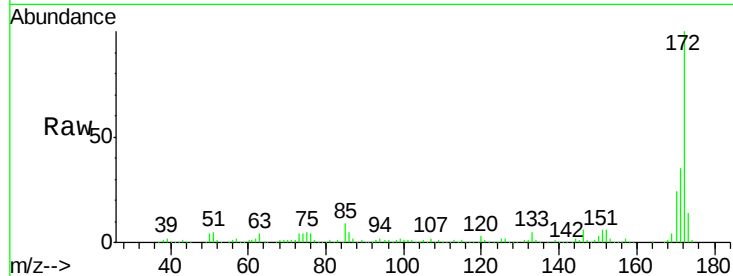
#44
2-Fluorobiphenyl
Concen: 80.21 ng
RT: 10.22 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF079125.D
Acq: 11 May 2015 19:41

Instrument :
BNA_F
ClientSampleId :
MW-4

Tot Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.9	27.9	41.9
170	23.6	19.4	29.0

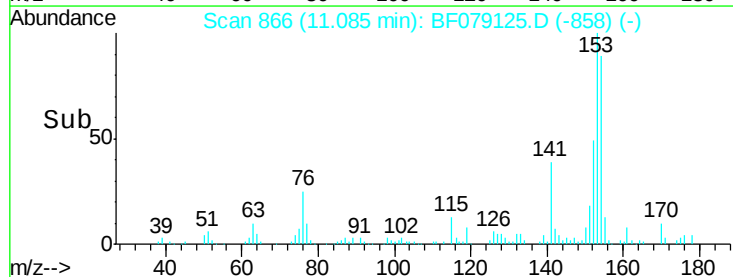
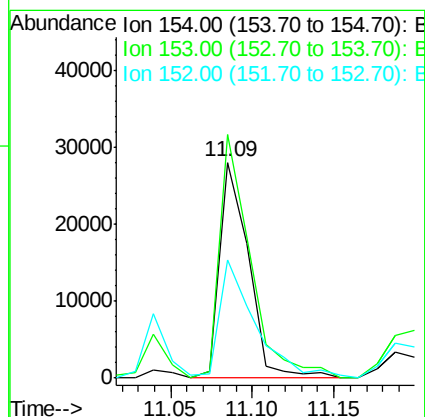
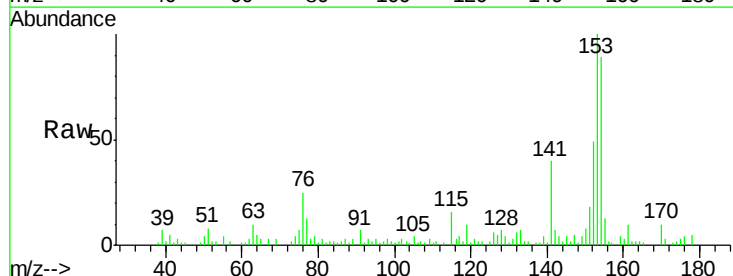
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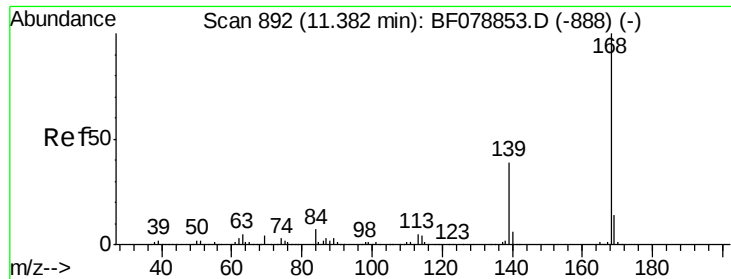
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#51
Acenaphthene
Concen: 4.50 ng
RT: 11.09 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF079125.D
Acq: 11 May 2015 19:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	112.7	91.5	137.3
152	54.8	44.2	66.4





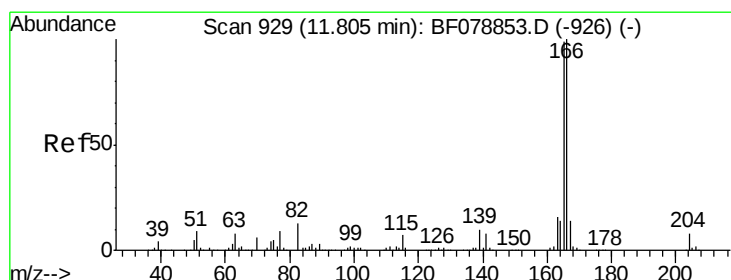
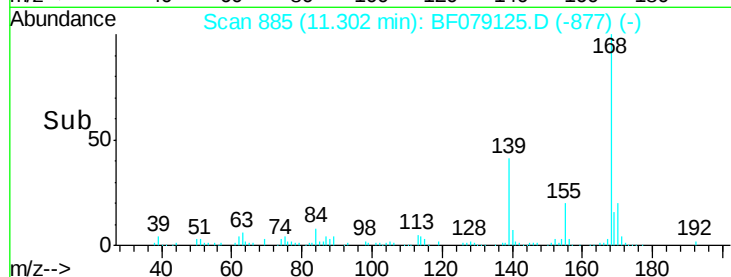
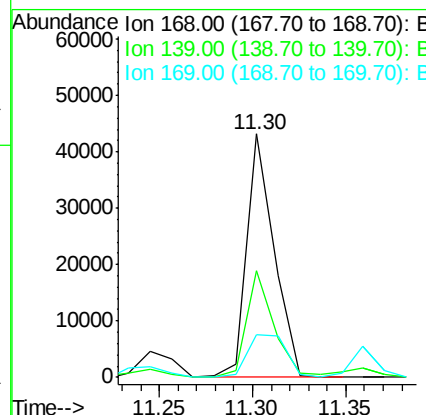
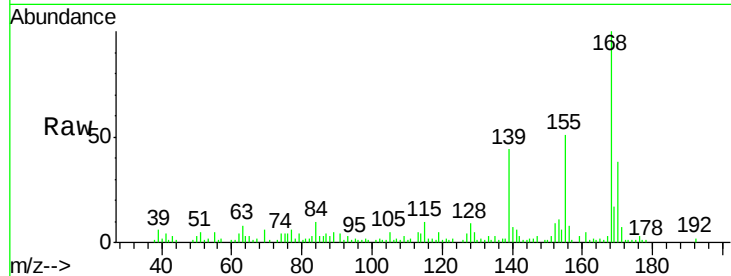
#54
Dibenzenofuran
Concen: 3.98 ng
RT: 11.30 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF079125.D
Acq: 11 May 2015 19:41

Instrument :
BNA_F
ClientSampled :
MW-4

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.9	31.0	46.4
169	17.5	10.6	16.0

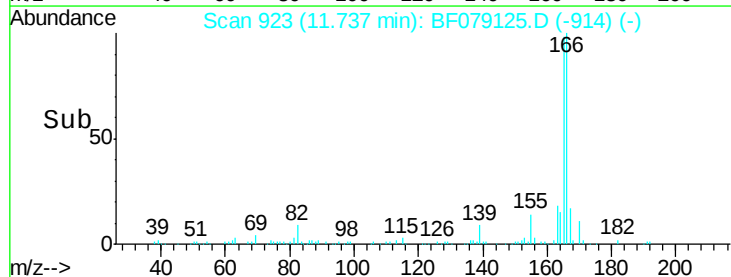
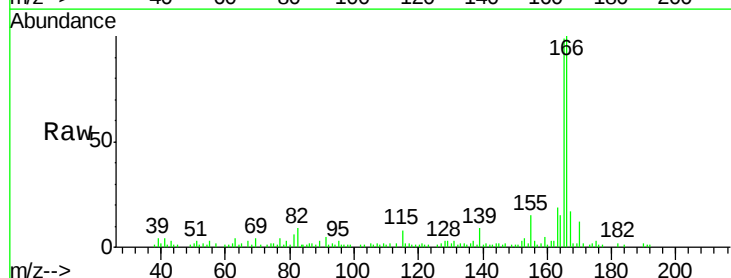
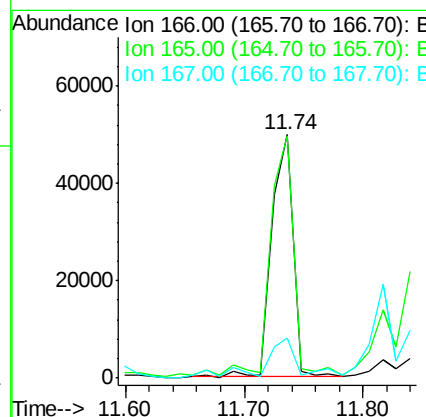
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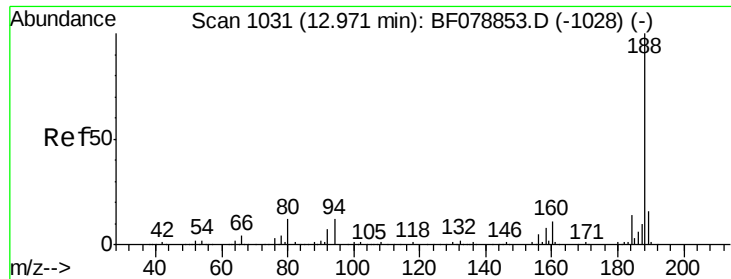
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#57
Fluorene
Concen: 6.84 ng
RT: 11.74 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF079125.D
Acq: 11 May 2015 19:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.5	117.7
167	16.7	11.0	16.6





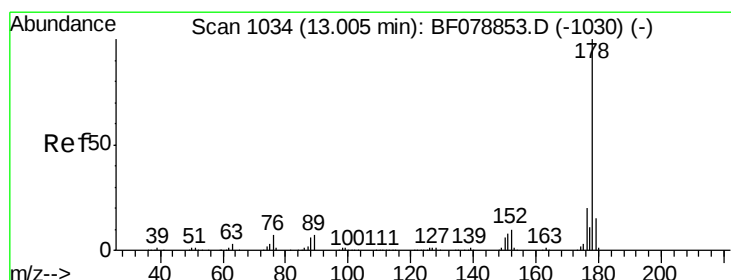
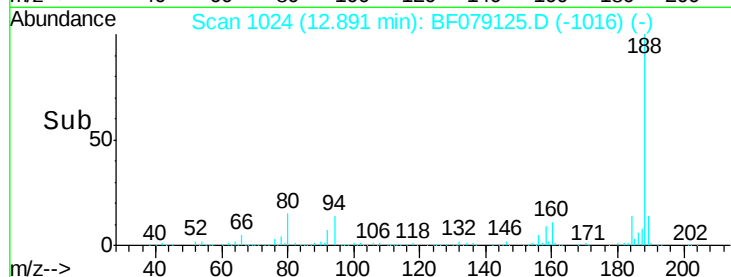
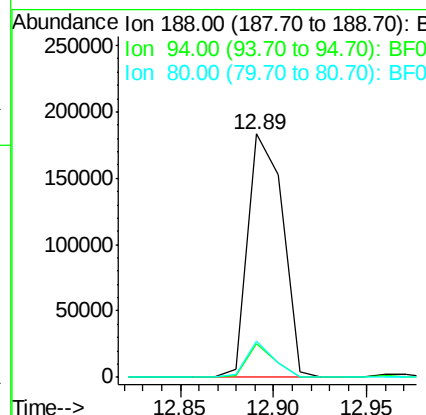
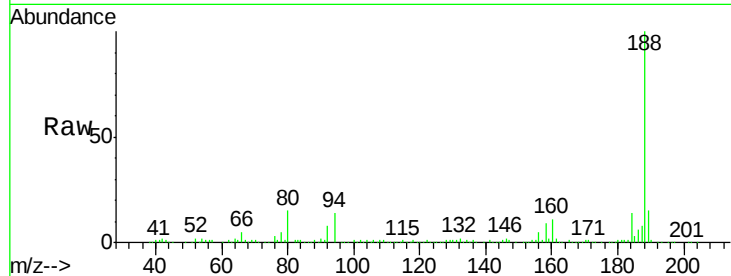
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.89 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BF079125.D
 Acq: 11 May 2015 19:41

Instrument :
 BNA_F
 ClientSampled :
 MW-4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	13.9	8.2	12.2#
80	14.8	8.9	13.3#

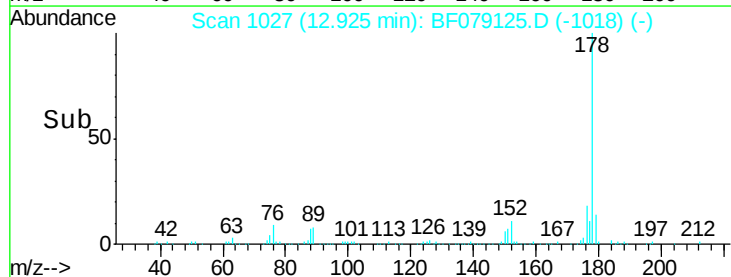
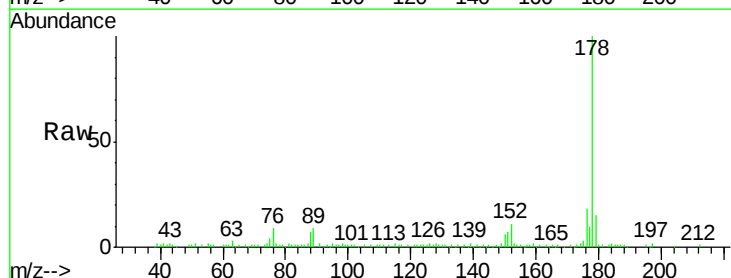
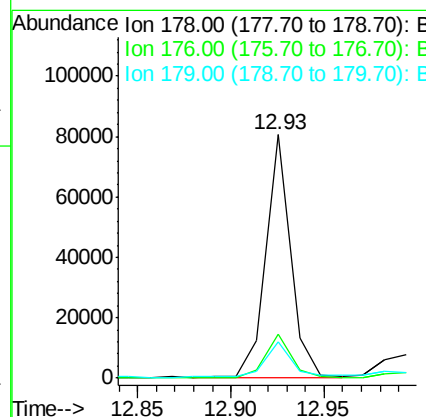
Manual Integrations
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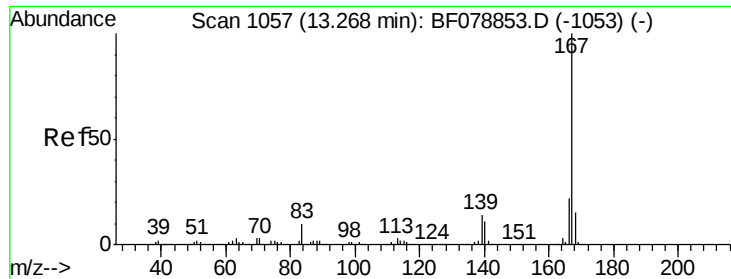
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#70
 Phenanthrene
 Concen: 5.60 ng
 RT: 12.93 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BF079125.D
 Acq: 11 May 2015 19:41

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.1	15.8	23.8
179	14.9	12.5	18.7





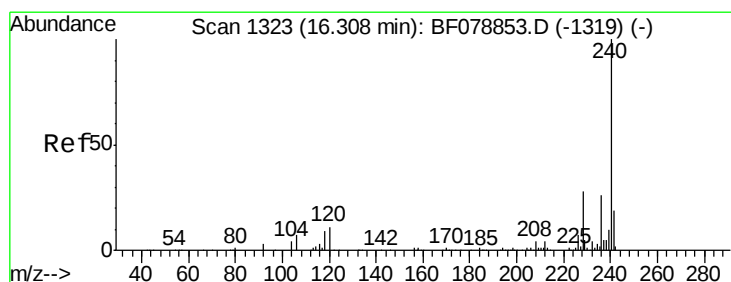
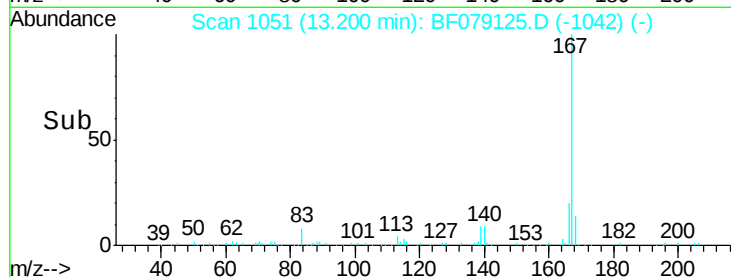
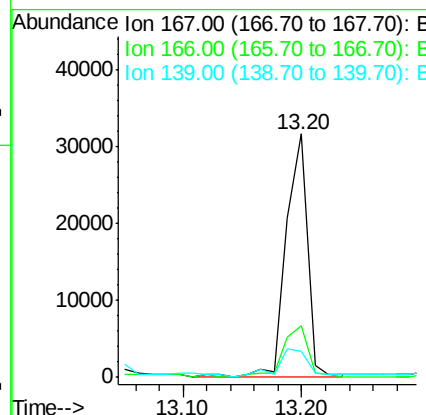
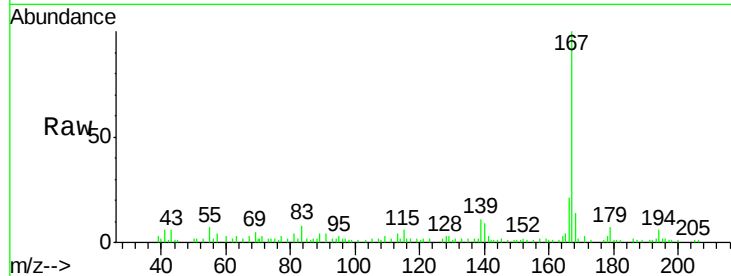
#72
 Carbazole
 Concen: 3.18 ng
 RT: 13.20 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: BF079125.D
 Acq: 11 May 2015 19:41

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tot Ion	Ratio	Resp	Lower	Upper
167	100	39556		
166	21.4		17.8	26.8
139	10.7		10.6	16.0

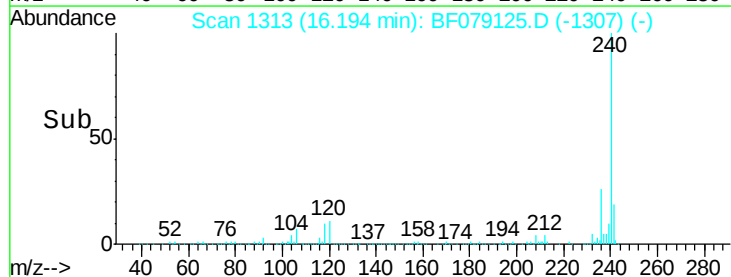
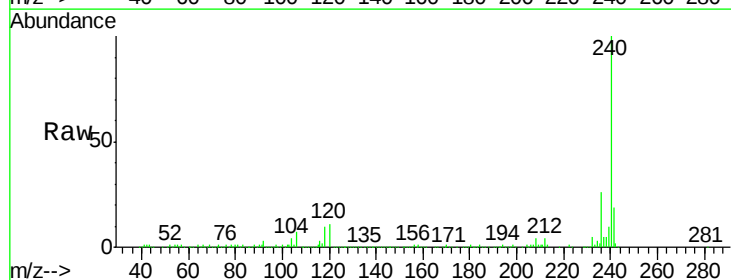
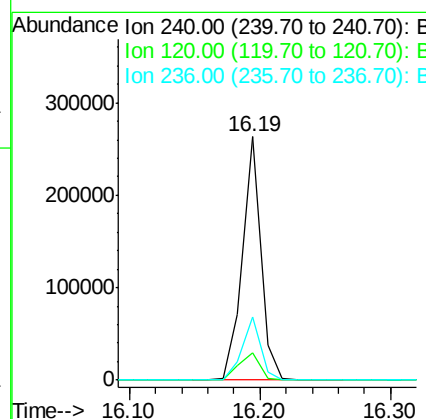
Manual Integrations
 APPROVED

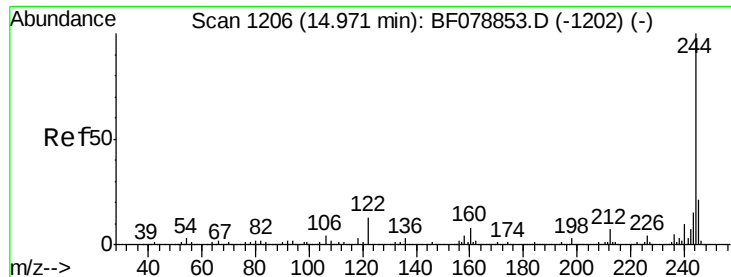
apatel
 5/12/2015 4:50:24 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.19 min Scan# 1313
 Delta R.T. -0.03 min
 Lab File: BF079125.D
 Acq: 11 May 2015 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	259758		
120	11.3		9.7	14.5
236	26.1		20.2	30.4





#78

Terphenyl-d14

Concen: 83.21 ng

RT: 14.89 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Instrument :

BNA_F

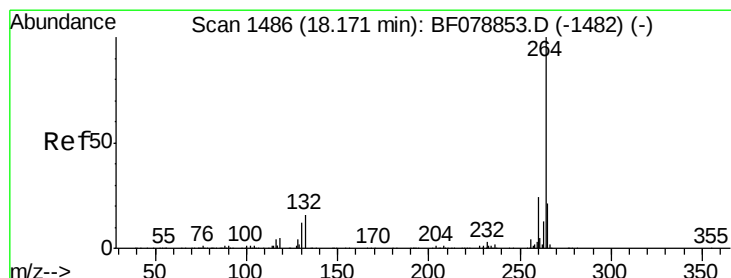
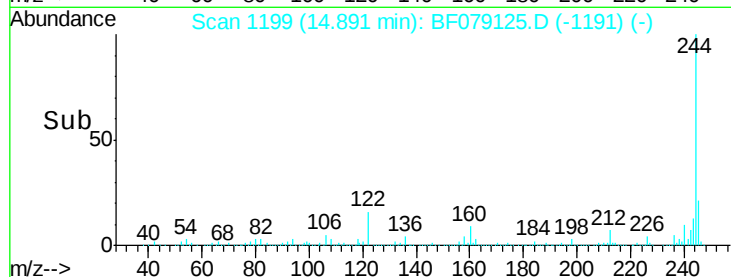
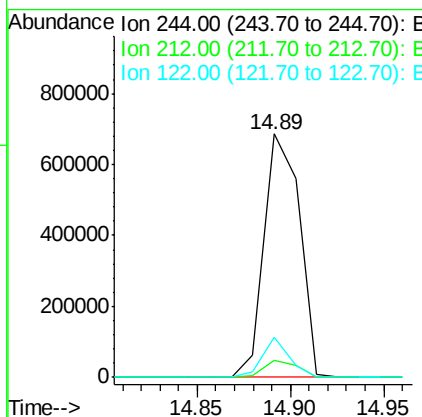
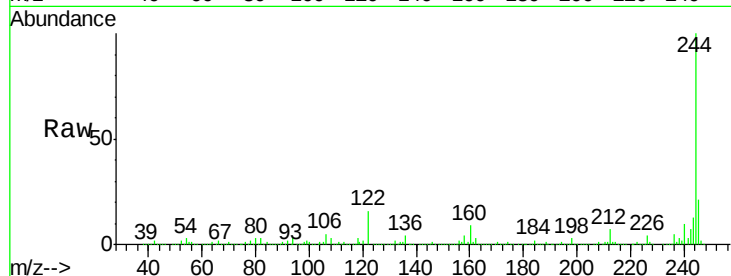
ClientSampleId :

MW-4

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.6	8.4
122	16.4	10.3	15.5

Manual Integrations
APPROVED

apatel
5/12/2015 4:50:24 PM



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.95 min Scan# 1467

Delta R.T. -0.10 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.9	18.3	27.5

