

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001062.D
 Acq On : 18 Apr 2015 16:23
 Operator : TP/IZ
 Sample : G1802-01 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-D6

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Quant Time: Apr 20 16:53:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 08:05:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	25281	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	95701	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	51004	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	111180	5.00	ng	0.00
19) Chrysene-d12	21.19	240	87061	5.00	ng	0.00
25) Perylene-d12	23.36	264	81095	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.74	82	2200	0.44	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	7026	0.42	ng	0.00
21) Terphenyl-d14	19.63	244	5196	0.45	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Naphthalene	10.41	128	1303	0.06	ng	# 83
10) Acenaphthylene	13.95	152	3357	0.15	ng	98
11) Acenaphthene	14.29	154	274	0.02	ng	# 83
16) Phenanthrene	17.03	178	7075	0.24	ng	98
17) Anthracene	17.11	178	2138	0.08	ng	99
18) Fluoranthene	19.05	202	20714	0.67	ng	99
20) Pyrene	19.42	202	20088m	0.70	ng	
22) Benzo(a)anthracene	21.17	228	11923m	0.47	ng	
23) Chrysene	21.22	228	12130	0.46	ng	95
24) Indeno(1,2,3-cd)pyrene	25.52	276	8499	0.31	ng	95
28) Benzo(a)pyrene	23.25	252	10272	0.46	ng	# 83
30) Benzo(g,h,i)perylene	26.18	276	8900	0.37	ng	94

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

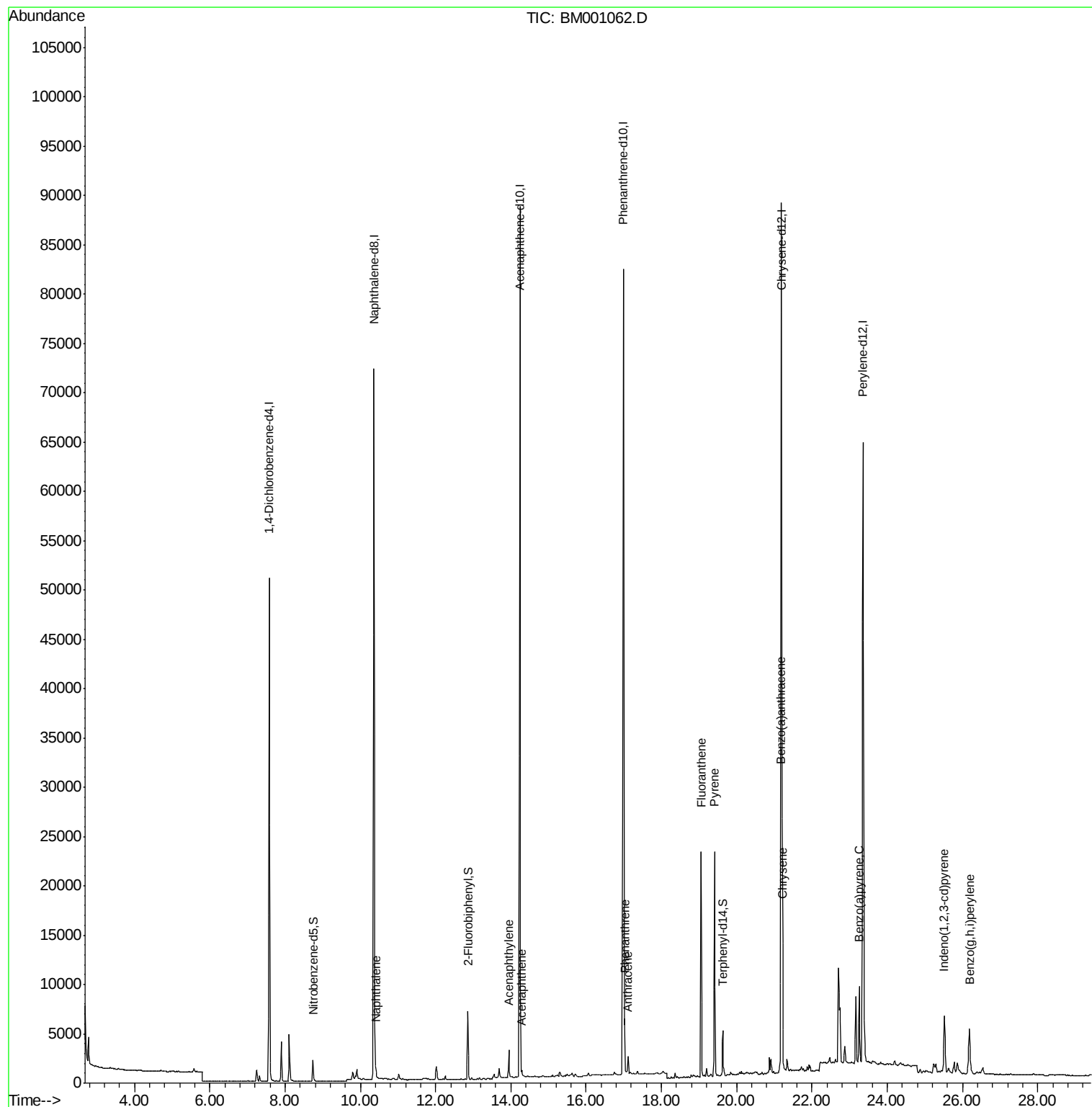
Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
Data File : BM001062.D
Acq On : 18 Apr 2015 16:23
Operator : TP/IZ
Sample : G1802-01 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

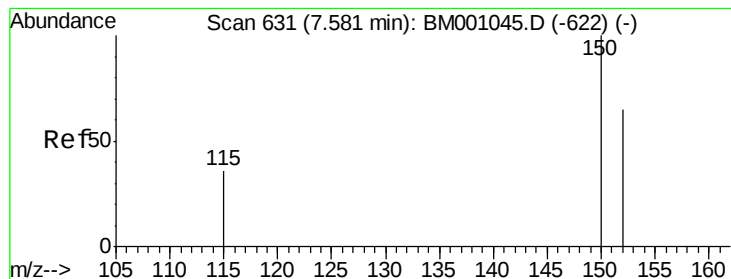
Instrument :
BNA_M
ClientSampleId :
SP-D6

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Quant Time: Apr 20 16:53:18 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 08:05:22 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Instrument :

BNA_M

ClientSampleId :

SP-D6

Tot Ion:152 Resp: 25281

Ion Ratio Lower Upper

152 100

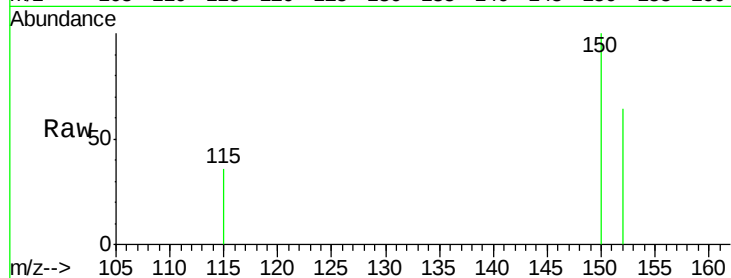
150 155.1 123.3 184.9

115 55.7 45.0 67.6

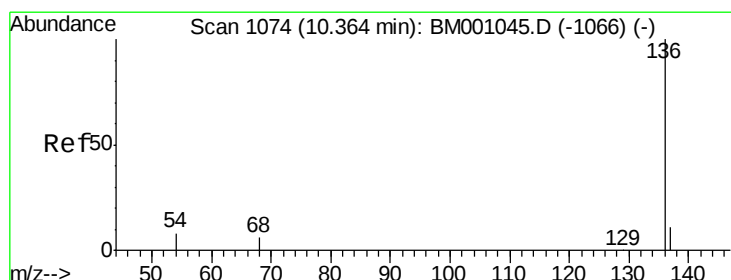
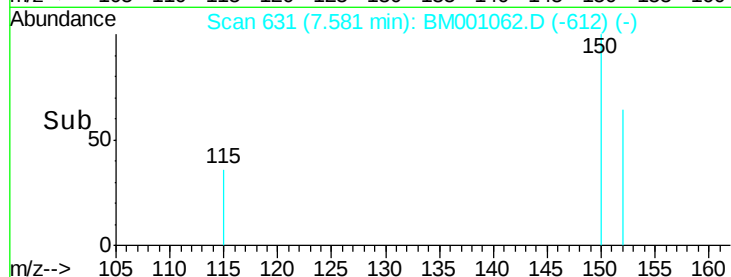
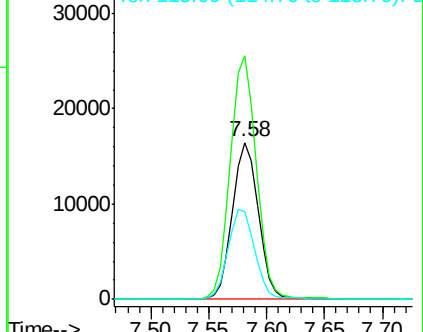
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

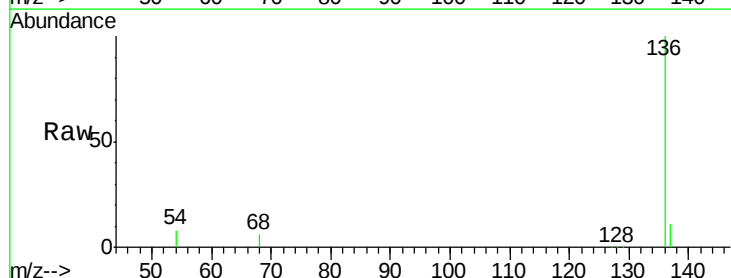
Tgt Ion:136 Resp: 95701

Ion Ratio Lower Upper

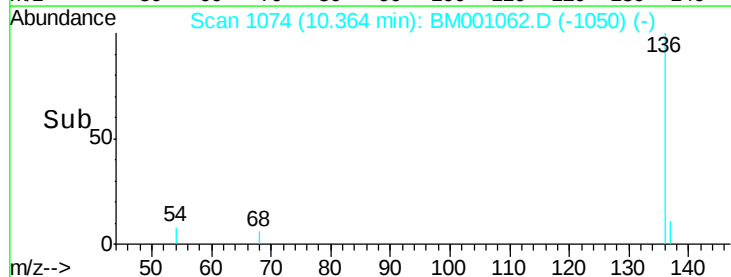
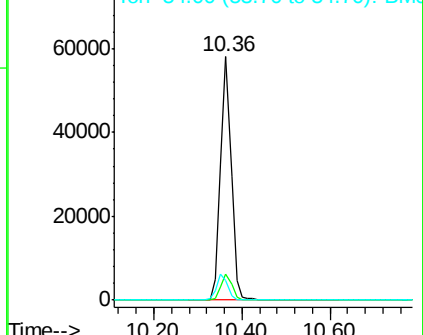
136 100

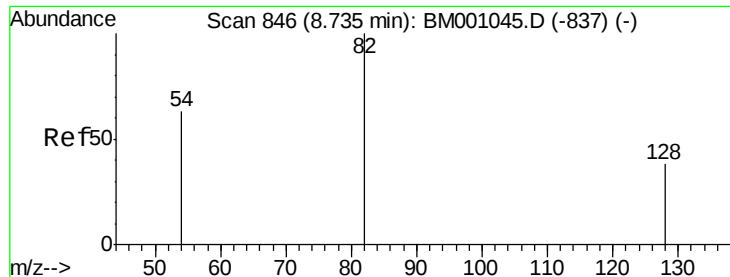
137 10.8 8.6 13.0

54 7.9 6.5 9.7



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): BM





#5

Nitrobenzene-d5

Concen: 0.44 ng

RT: 8.74 min Scan# 847

Delta R.T. 0.01 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Instrument :

BNA_M

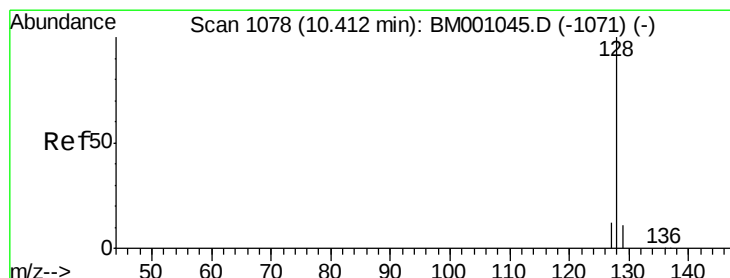
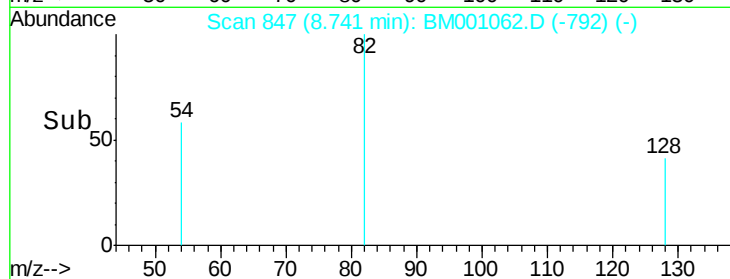
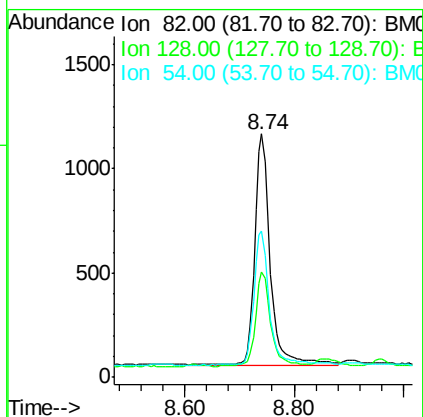
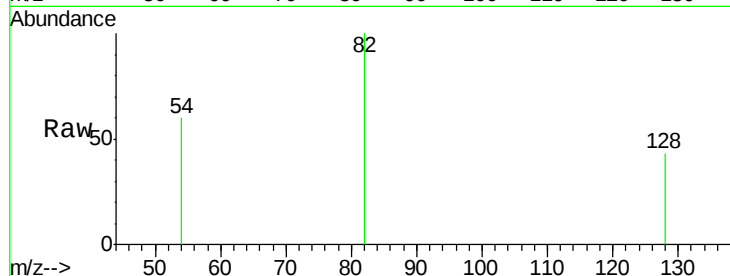
ClientSampleId :

SP-D6

Tot Ion:	82	Resp:	2200
Ion	Ratio	Lower	Upper
82	100		
128	43.5	31.9	47.9
54	60.2	51.3	76.9

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#6

Naphthalene

Concen: 0.06 ng

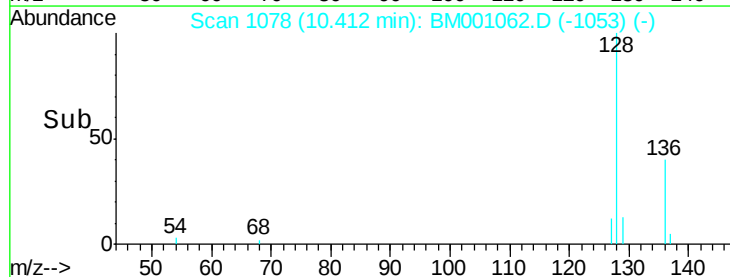
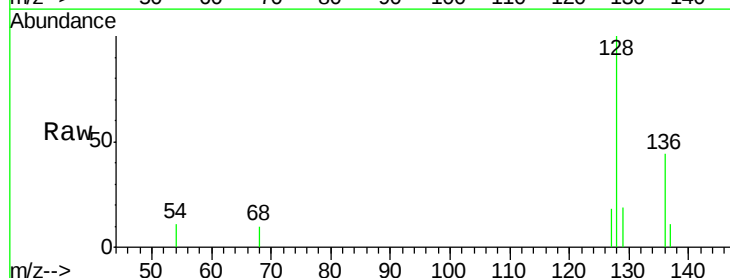
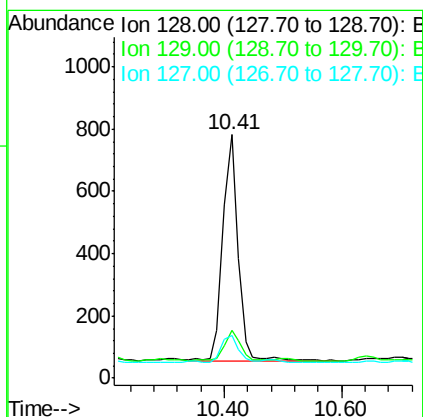
RT: 10.41 min Scan# 1078

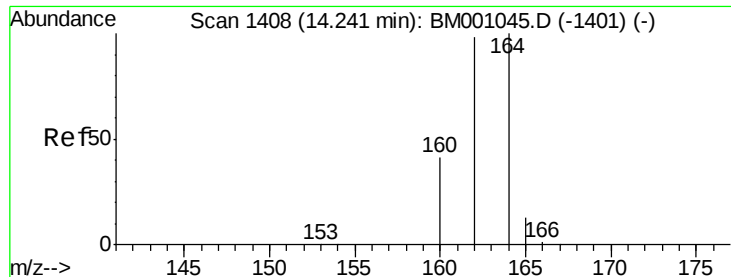
Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Tgt Ion:	128	Resp:	1303
Ion	Ratio	Lower	Upper
128	100		
129	19.4	9.3	13.9#
127	17.6	10.0	15.0#





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Instrument :

BNA_M

ClientSampleId :

SP-D6

Tot Ion:164 Resp: 51004

Ion Ratio Lower Upper

164 100

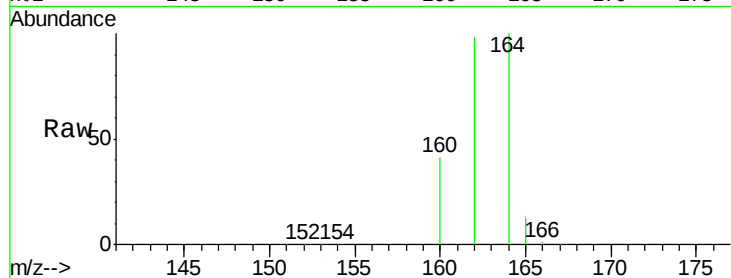
162 98.4 78.5 117.7

160 40.8 32.9 49.3

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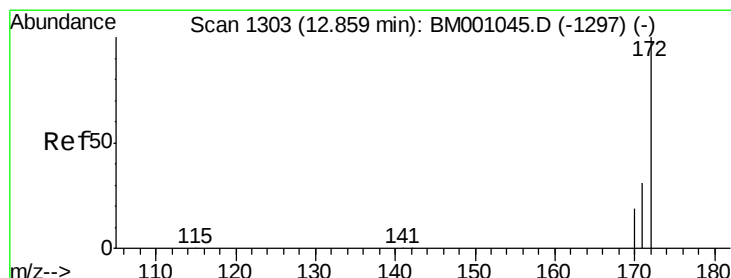
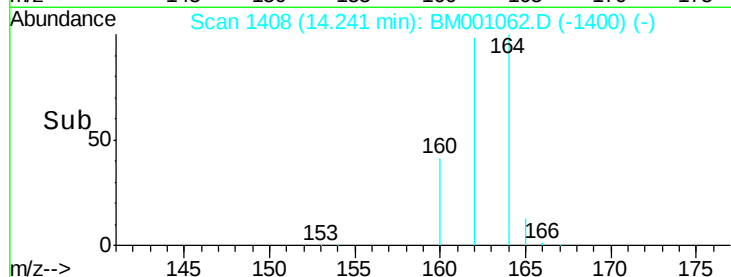
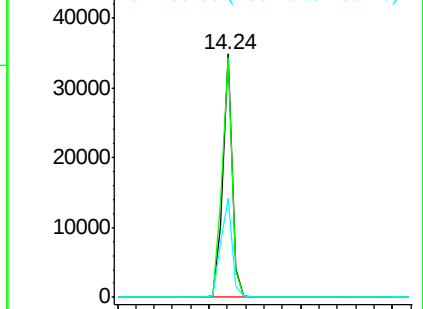
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#9

2-Fluorobiphenyl

Concen: 0.42 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

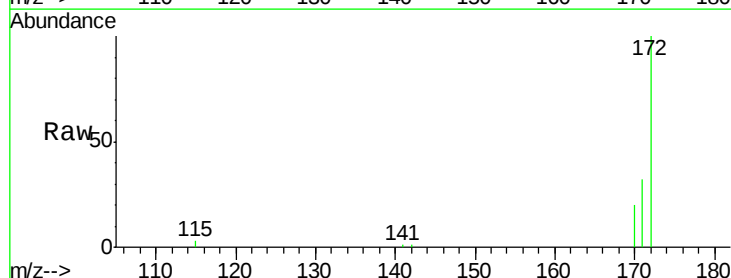
Tgt Ion:172 Resp: 7026

Ion Ratio Lower Upper

172 100

171 32.3 25.6 38.4

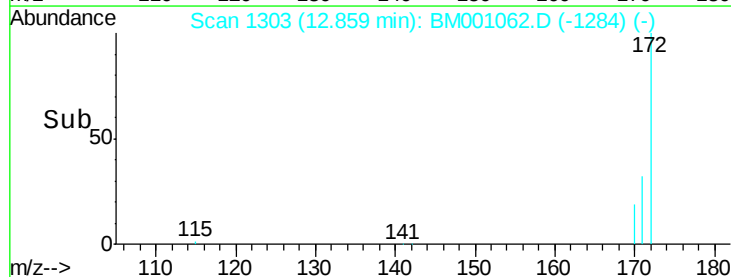
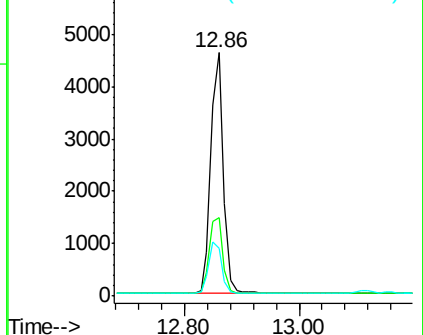
170 19.8 15.8 23.6

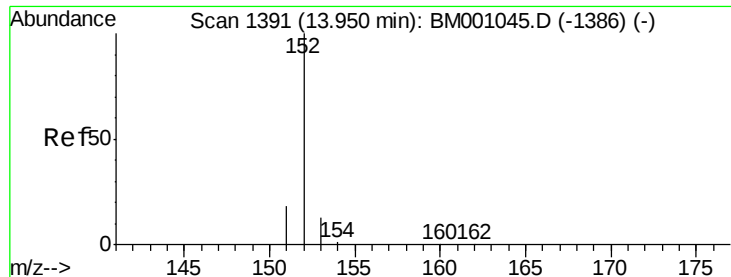


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 0.15 ng

RT: 13.95 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Instrument :

BNA_M

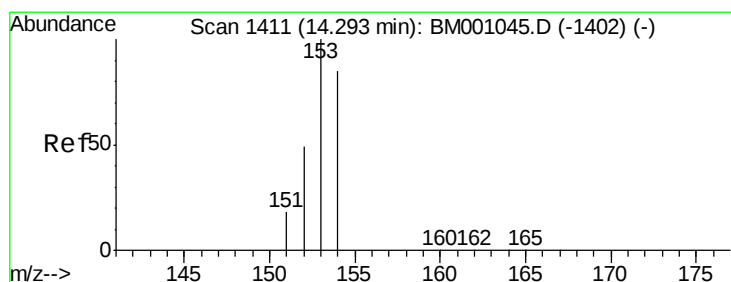
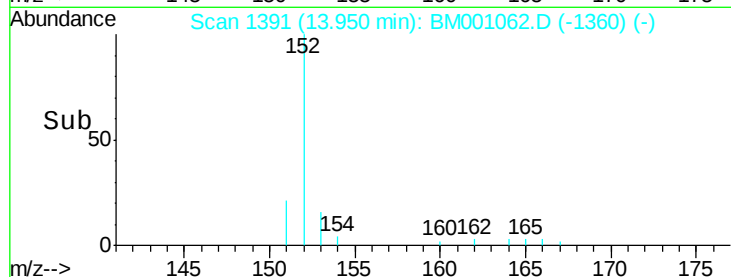
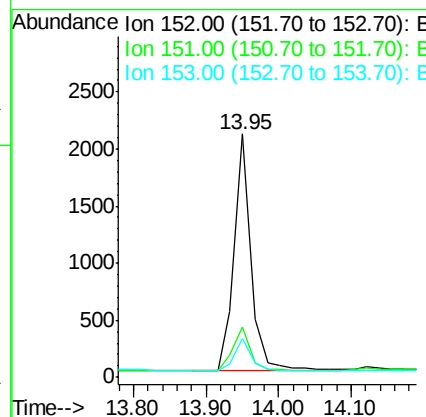
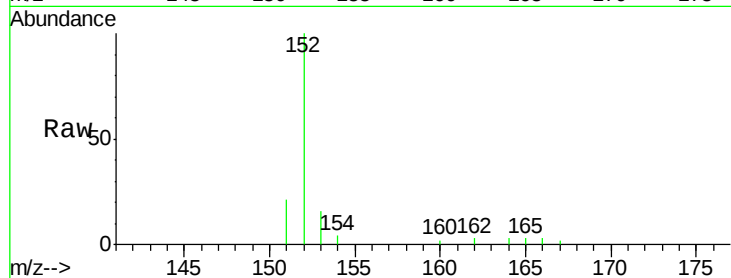
ClientSampled :

SP-D6

Tot Ion:	152	Resp:	3357
Ion Ratio	Lower	Upper	
152	100		
151	19.5	14.7	22.1
153	13.5	10.2	15.2

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#11

Acenaphthene

Concen: 0.02 ng

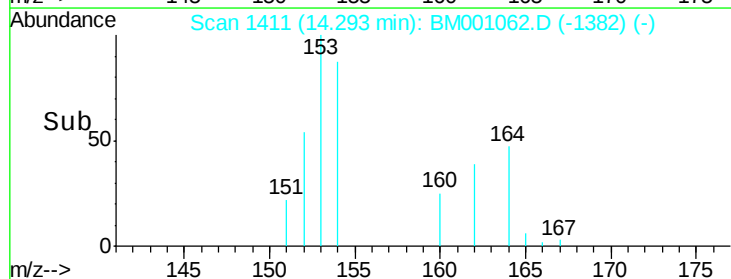
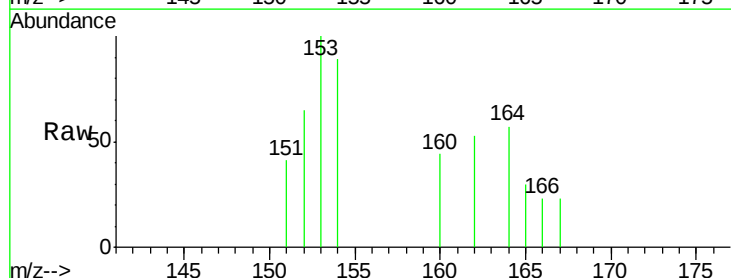
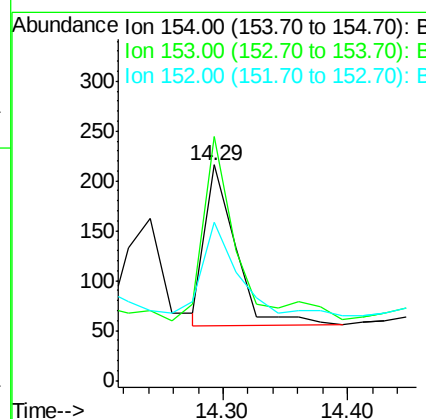
RT: 14.29 min Scan# 1411

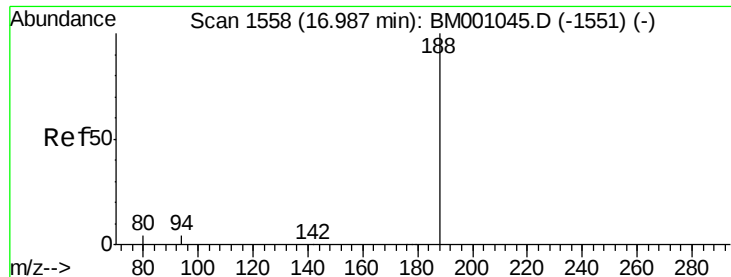
Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Tgt Ion:	154	Resp:	274
Ion Ratio	Lower	Upper	
154	100		
153	125.2	88.1	132.1
152	68.2	42.3	63.5#





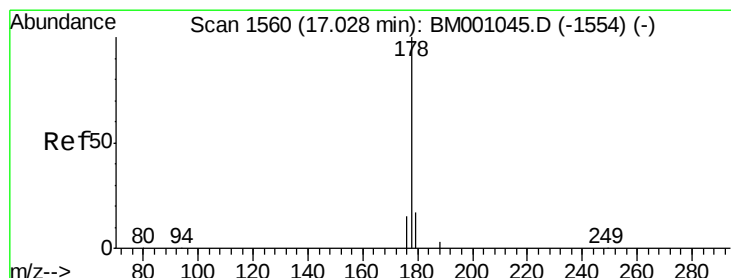
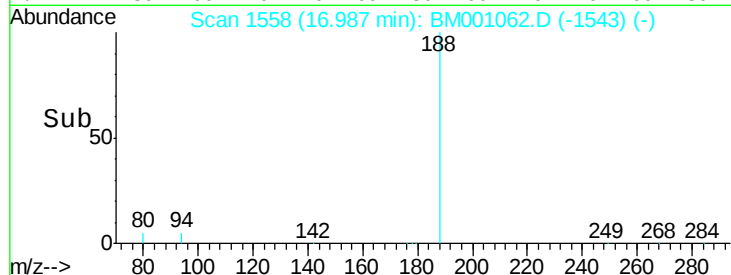
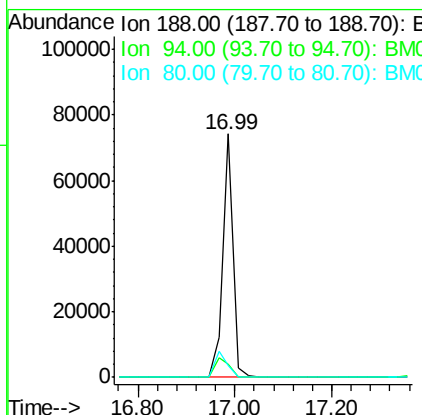
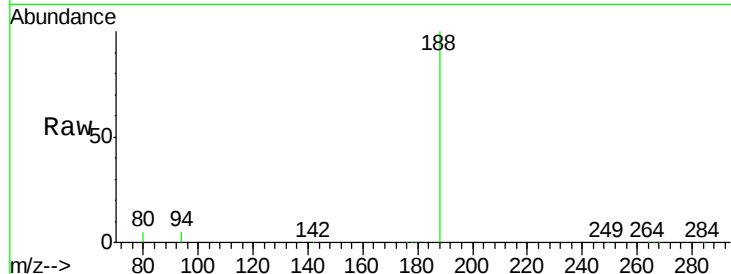
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Instrument :
BNA_M
ClientSampleId :
SP-D6

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	5.3	3.6	5.4
80	4.8	3.0	4.6

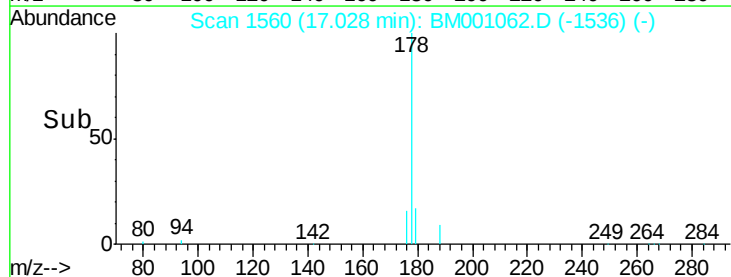
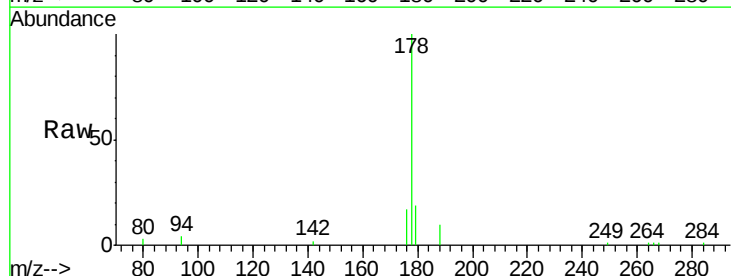
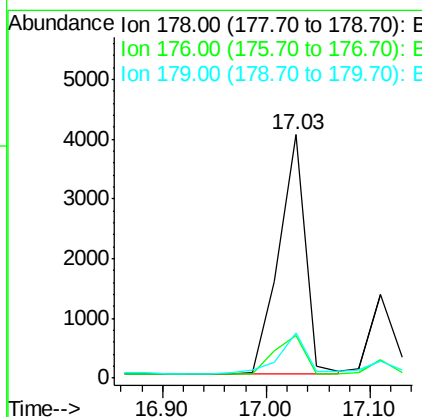
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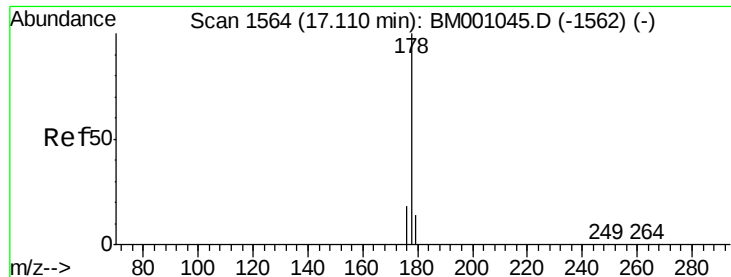
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#16
Phenanthrene
Concen: 0.24 ng
RT: 17.03 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	14.6	22.0
179	17.6	12.6	19.0





#17

Anthracene

Concen: 0.08 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Instrument :

BNA_M

ClientSampled :

SP-D6

Tot Ion:178 Resp: 2138

Ion Ratio Lower Upper

178 100

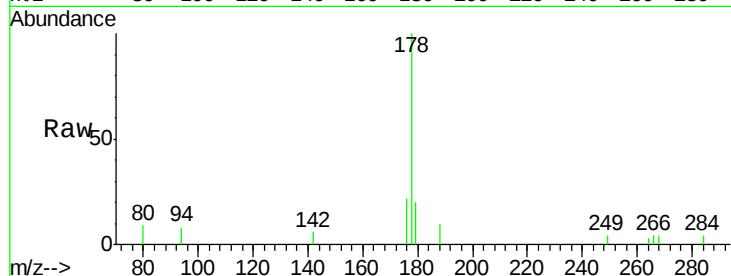
176 18.3 14.3 21.5

179 14.9 11.8 17.8

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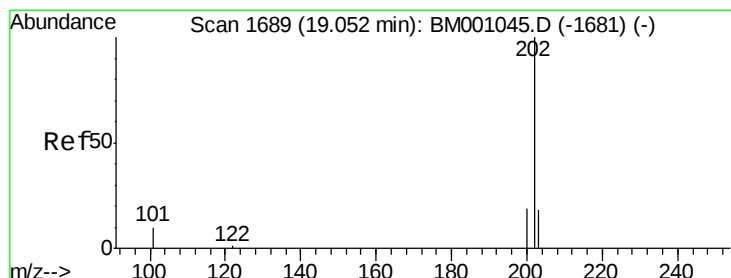
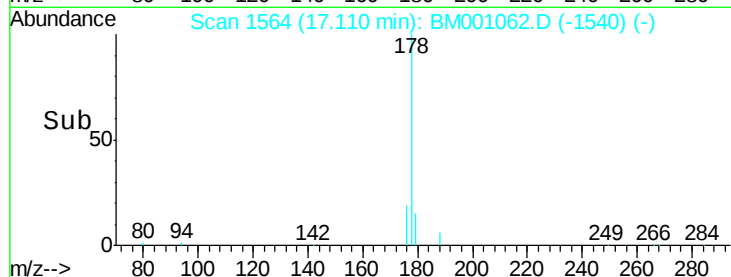
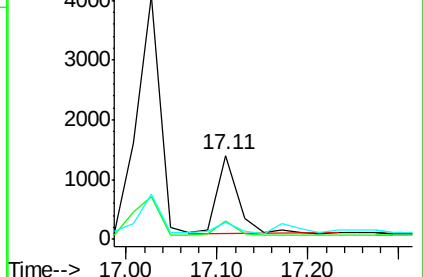
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#18

Fluoranthene

Concen: 0.67 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

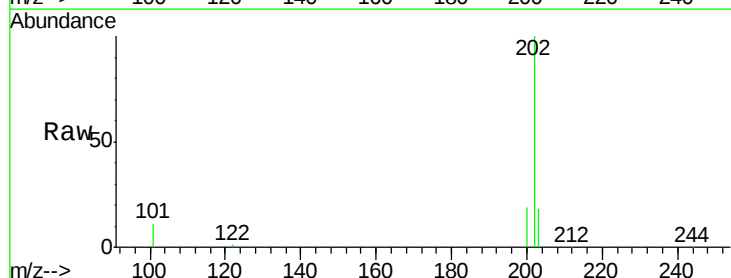
Tgt Ion:202 Resp: 20714

Ion Ratio Lower Upper

202 100

101 13.1 10.1 15.1

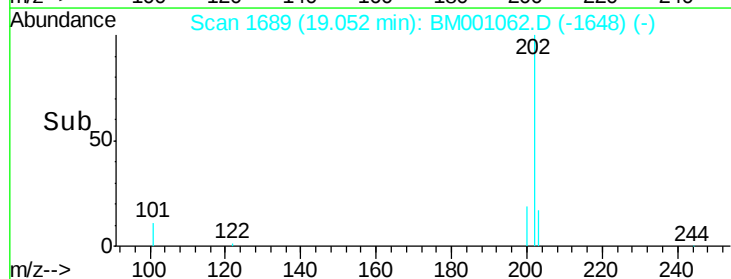
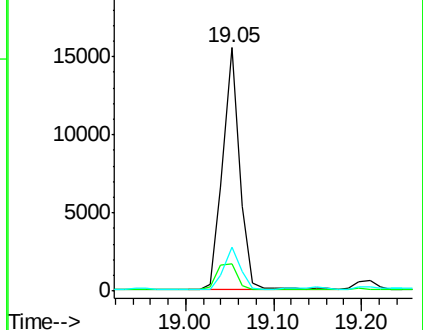
203 17.0 13.8 20.8

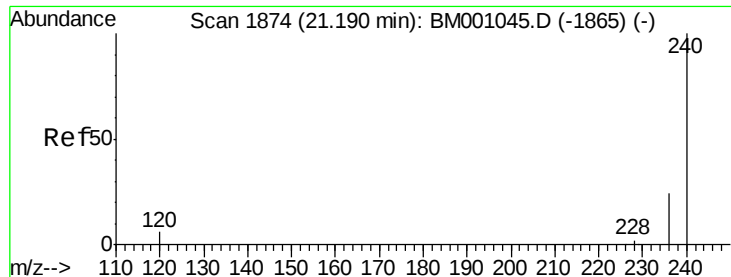


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





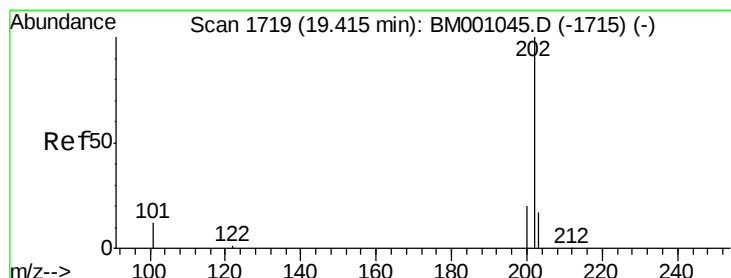
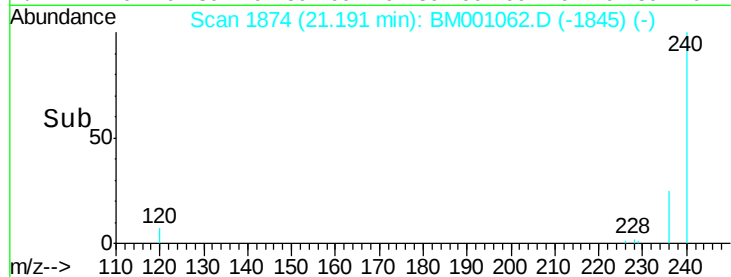
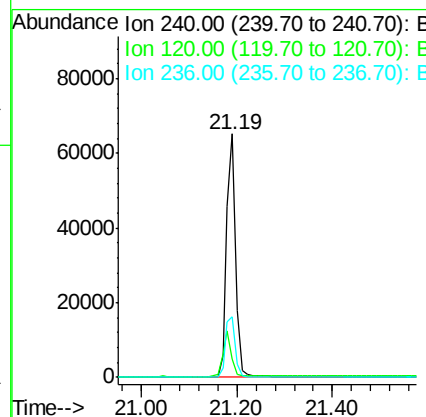
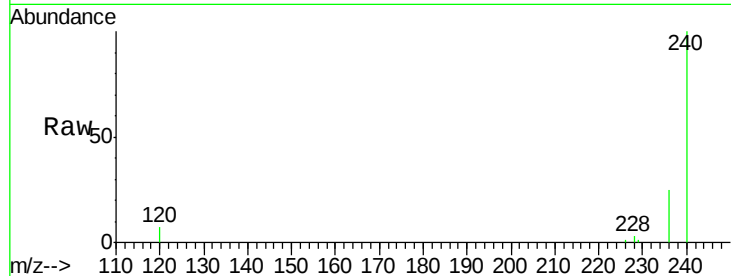
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Instrument :
BNA_M
ClientSampleId :
SP-D6

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.4	4.6	6.8#
236	24.8	19.1	28.7

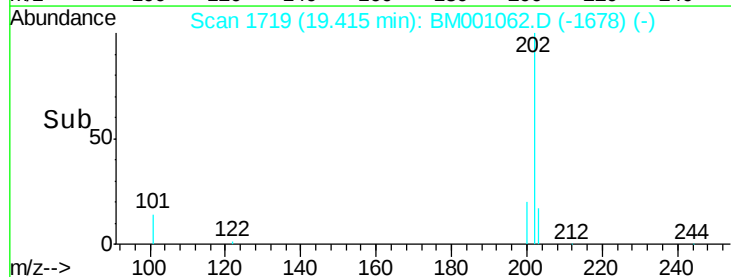
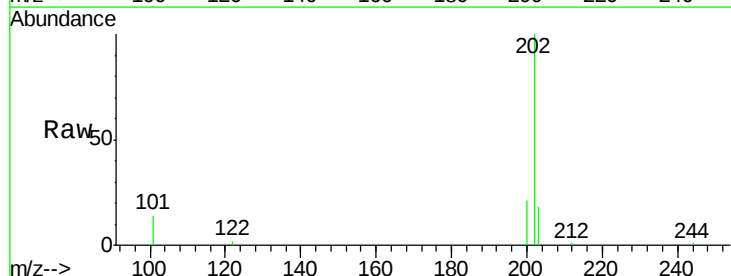
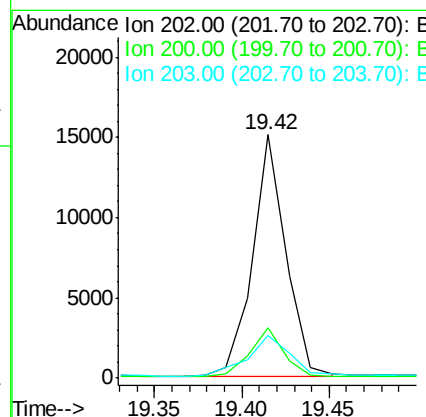
Manual Integrations
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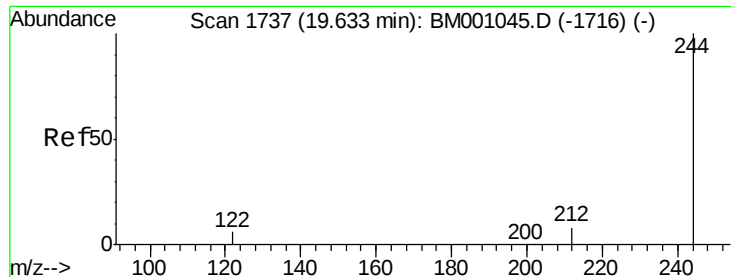
apatel
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#20
Pyrene
Concen: 0.70 ng m
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	0.9	16.3	24.5#
203	0.9	13.8	20.6#





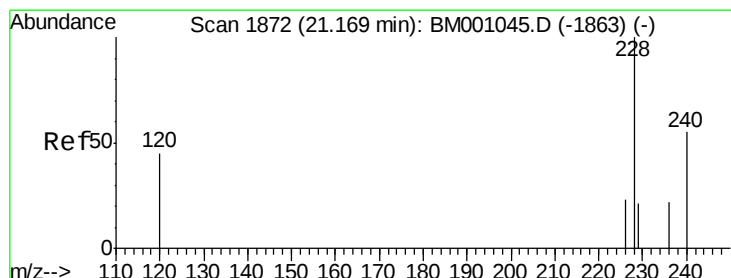
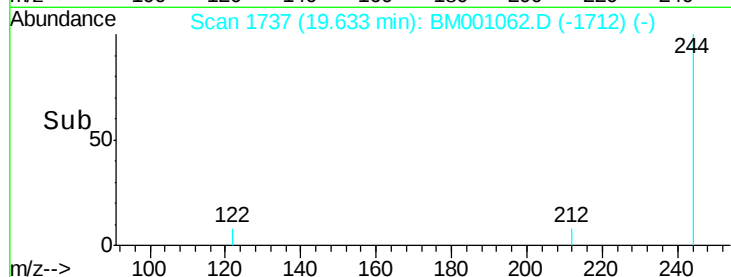
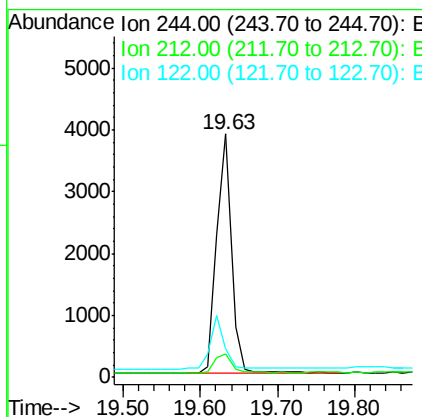
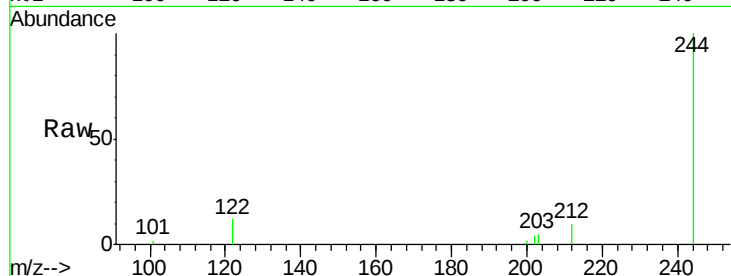
#21
 Terphenyl-d14
 Concen: 0.45 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001062.D
 Acq: 18 Apr 2015 16:23

Instrument :
 BNA_M
 ClientSampled :
 SP-D6

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.1	10.7
122	11.6	5.9	8.9

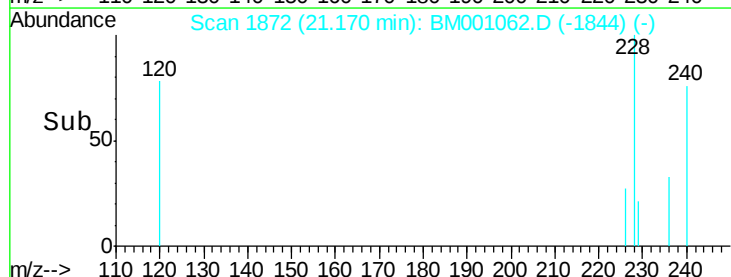
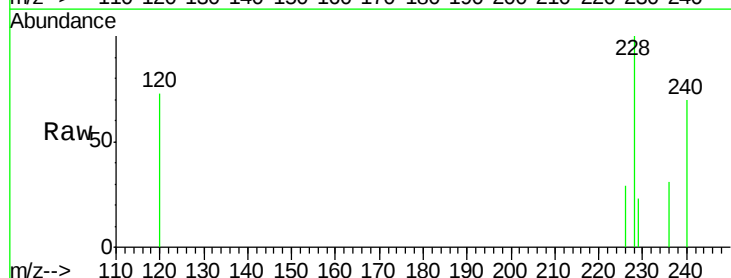
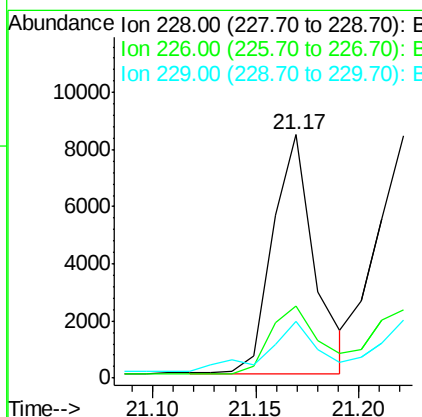
Manual Integrations
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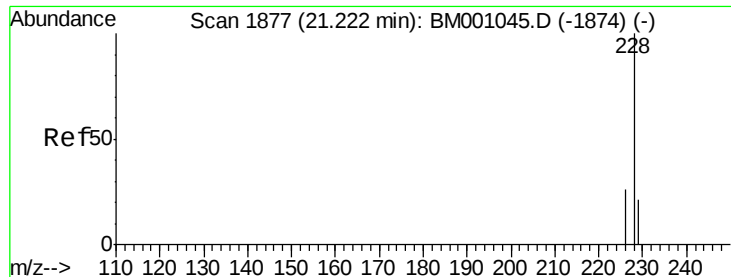
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#22
 Benzo(a)anthracene
 Concen: 0.47 ng m
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001062.D
 Acq: 18 Apr 2015 16:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	19.0	28.6
229	23.1	16.8	25.2





#23

Chrysene

Concen: 0.46 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Instrument :

BNA_M

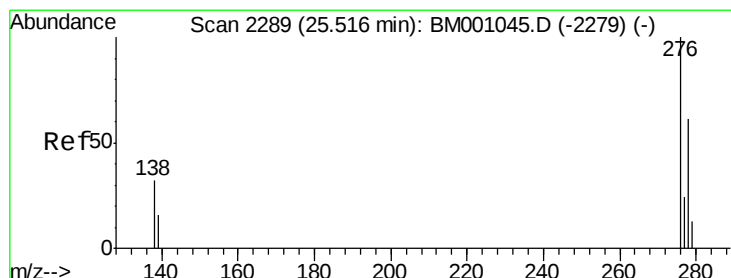
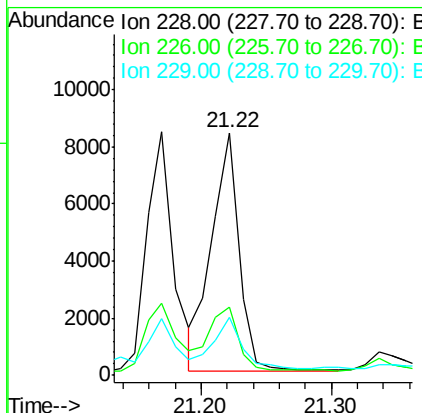
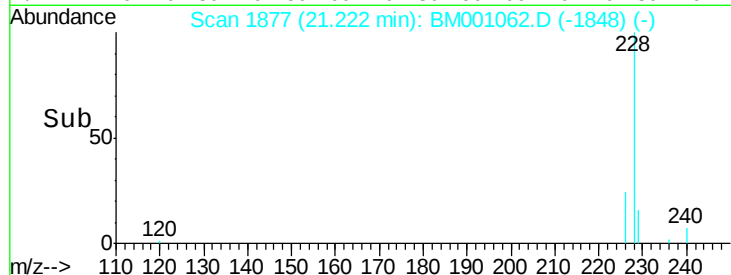
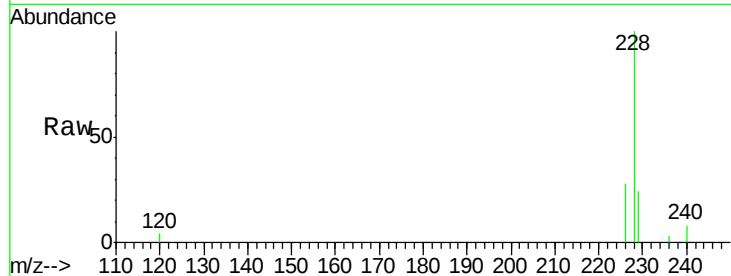
ClientSampled :

SP-D6

Tot Ion:	228	Resp:	12130
Ion Ratio	Lower	Upper	
228	100		
226	28.4	20.6	31.0
229	23.7	17.2	25.8

Manual Integrations
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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.31 ng

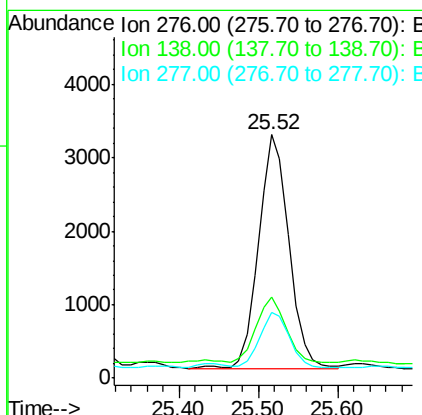
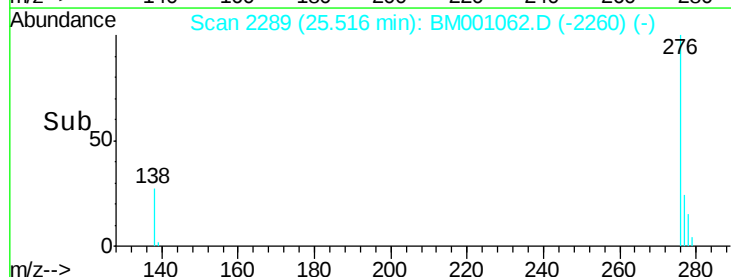
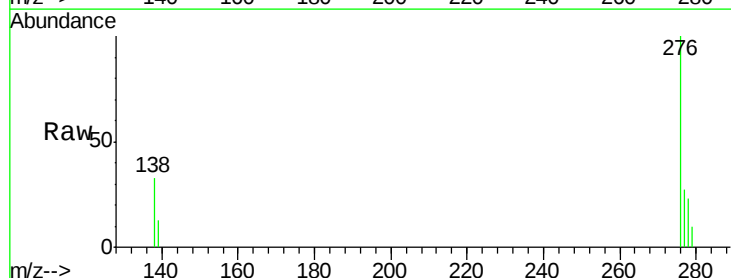
RT: 25.52 min Scan# 2289

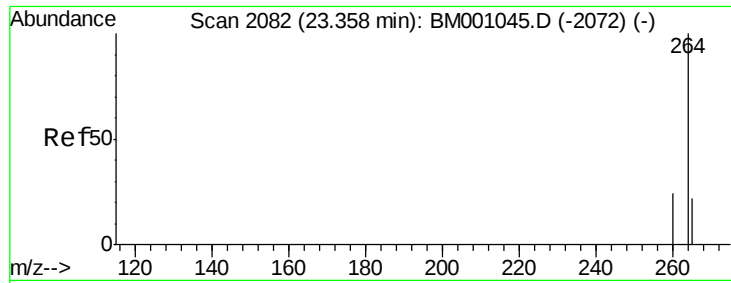
Delta R.T. 0.00 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Tgt Ion:	276	Resp:	8499
Ion Ratio	Lower	Upper	
276	100		
138	28.3	26.3	39.5
277	23.8	19.5	29.3





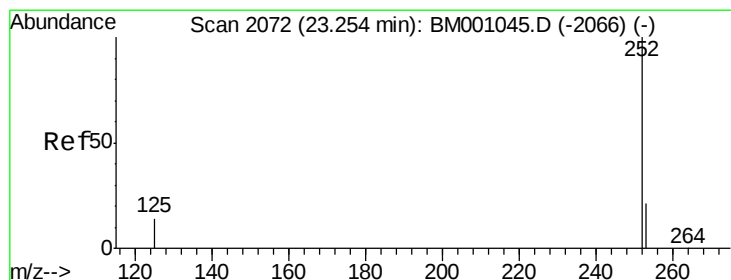
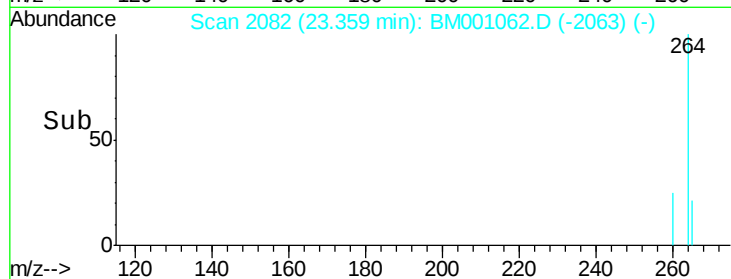
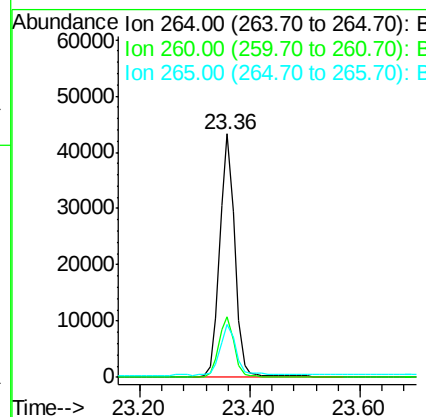
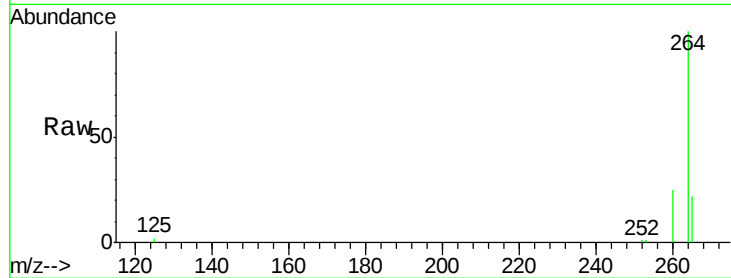
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Instrument :
BNA_M
ClientSampled :
SP-D6

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.0	28.6
265	21.8	17.9	26.9

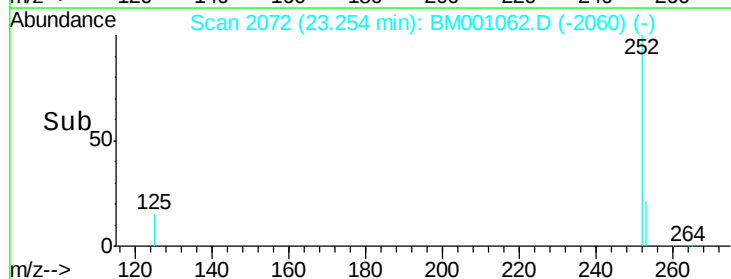
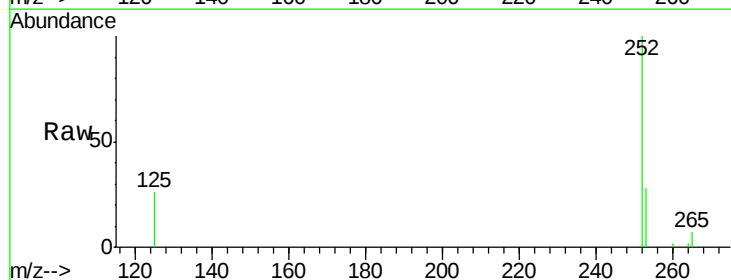
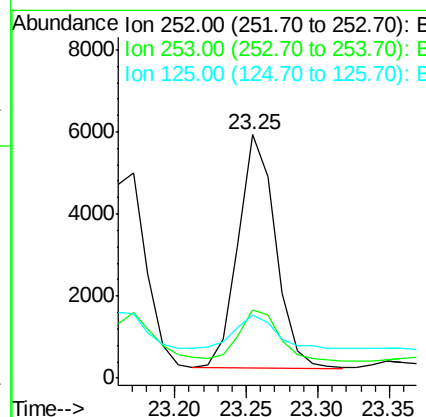
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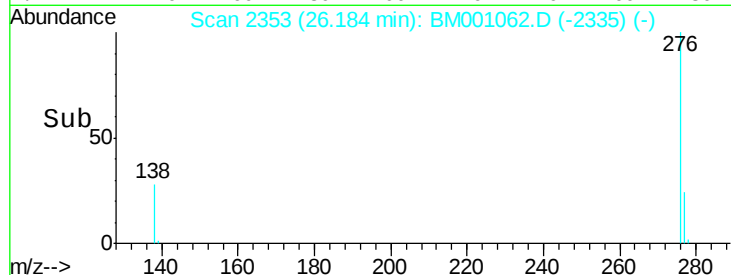
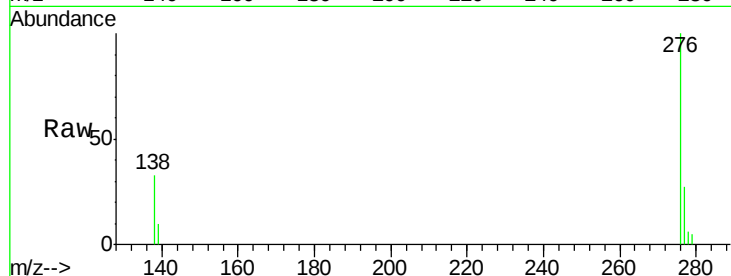
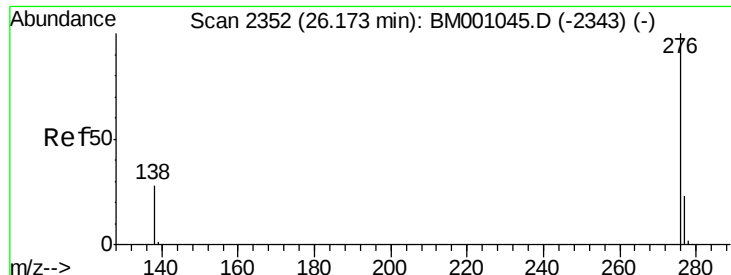
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#28
Benzo(a)pyrene
Concen: 0.46 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001062.D
Acq: 18 Apr 2015 16:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.6	27.8#
125	26.2	11.9	17.9#





#30

Benzo(a,h,i)perylene

Concen: 0.37 ng

RT: 26.18 min Scan# 2353

Delta R.T. 0.01 min

Lab File: BM001062.D

Acq: 18 Apr 2015 16:23

Instrument :

BNA_M

ClientSampleId :

SP-D6

Tot Ion:	276	Resp:	8900
Ion Ratio	Lower	Upper	
276	100		
277	26.9	19.0	28.4
138	32.6	23.4	35.2

Manual Integrations
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