

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
 Data File : BM002607.D
 Acq On : 01 Sep 2015 02:06
 Operator : UM/IZ
 Sample : G3456-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9EA0

Manual Integrations
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 9/1/2015 2:58:02 PM

Quant Time: Sep 01 03:26:09 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 01 02:00:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	113910	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	501968	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	264973	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	512248	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	507206	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	431601	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	390162	14.40	ng/ul	0.00
10) Fluorene-d10	16.34	176	252930	13.29	ng/ul	0.00
14) Anthracene-d10	18.17	188	348060	14.09	ng/ul	0.00
18) Pyrene-d10	20.40	212	328323	14.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	256028	11.29	ng/ul	0.00
Target Compounds						
8) Acenaphthylene	15.10	152	52753	1.86	ng/ul	Qvalue 98
13) Phenanthrene	18.12	178	252804	8.55	ng/ul	99
15) Anthracene	18.21	178	66546	2.22	ng/ul	99
16) Fluoranthene	20.07	202	482218	14.40	ng/ul	96
19) Pyrene	20.43	202	412755	13.89	ng/ul	99
20) Benzo(a)anthracene	22.14	228	243782	8.04	ng/ul	99
21) Chrysene	22.20	228	241849	8.53	ng/ul	97
23) Benzo(b)fluoranthene	23.97	252	301320	11.55	ng/ul	97
24) Benzo(k)fluoranthene	24.02	252	100656m	4.07	ng/ul	
26) Benzo(a)pyrene	24.67	252	201604	8.09	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.55	276	157701	5.50	ng/ul	96
28) Dibenzo(a,h)anthracene	27.54	278	45394	1.89	ng/ul#	73
29) Benzo(g,h,i)perylene	28.41	276	149737	6.28	ng/ul	99

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

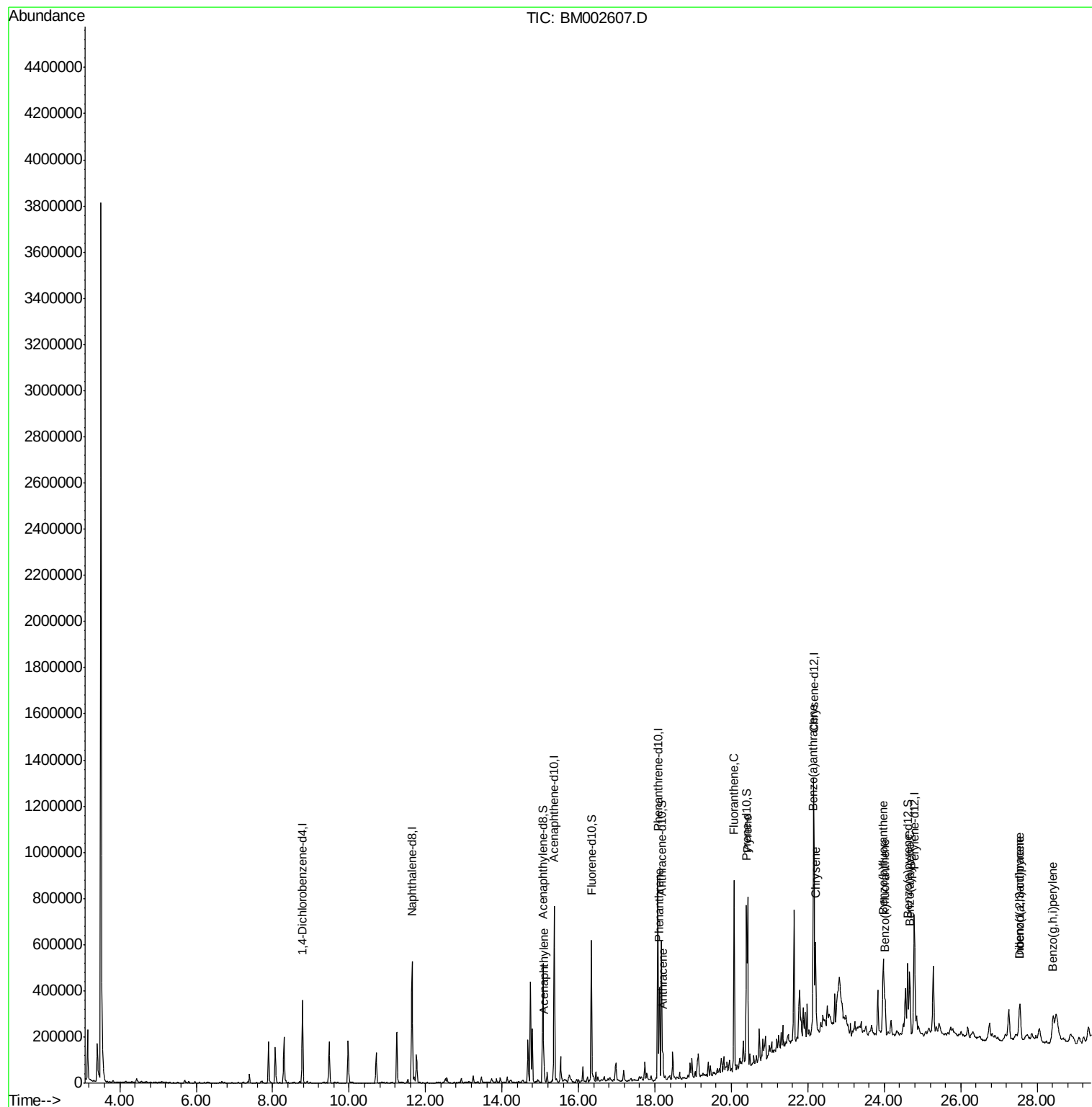
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
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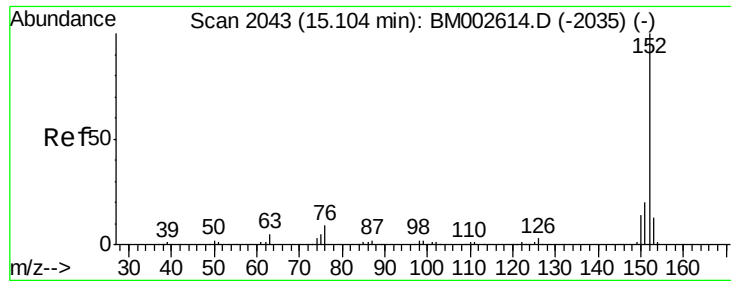
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#8

Acenaphthylene

Concen: 1.86 ng/ul

RT: 15.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BM002607.D

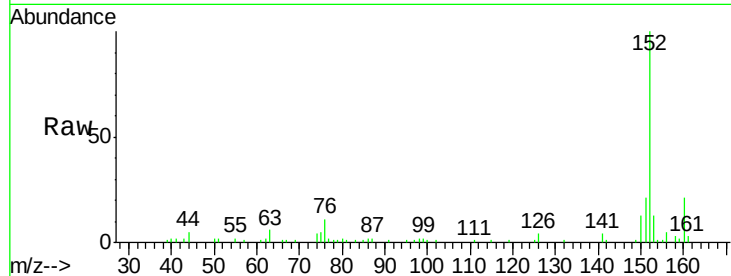
Acq: 01 Sep 2015 02:06

Instrument :

BNA_M

ClientSampleId :

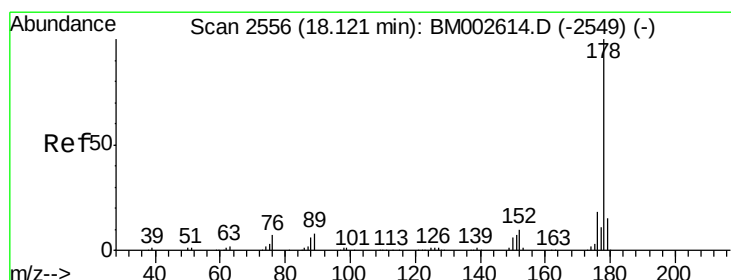
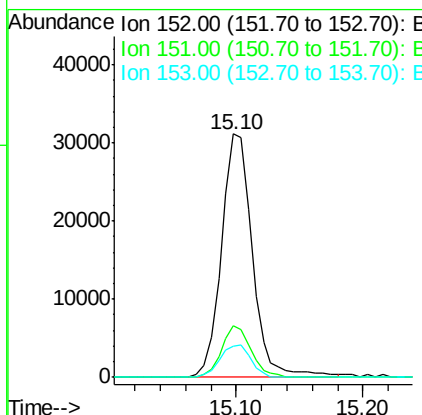
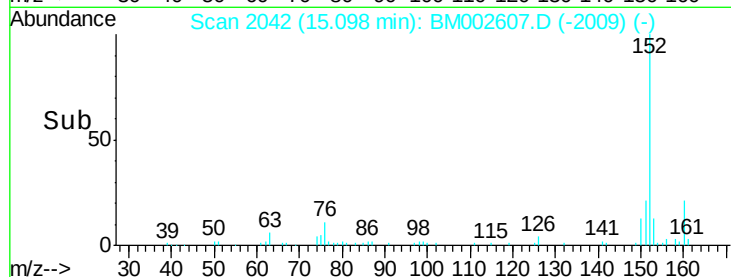
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Tgt Ion:	152	Resp:	52753
Ion Ratio	Lower	Upper	
152	100		
151	21.1	15.7	23.5
153	13.0	10.2	15.4

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#13

Phenanthrene

Concen: 8.55 ng/ul

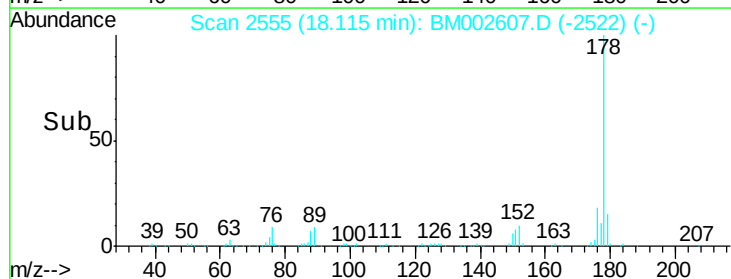
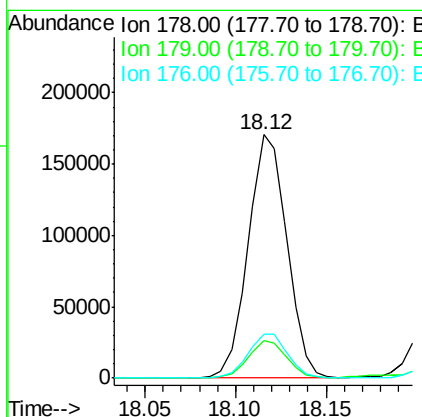
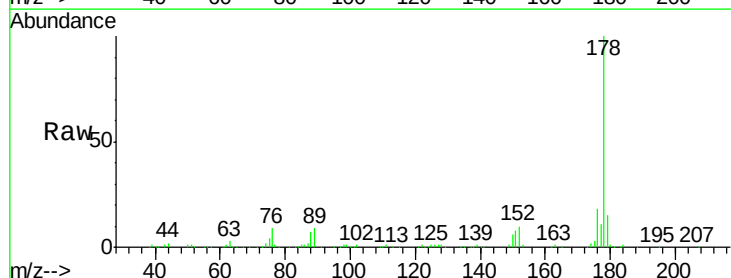
RT: 18.12 min Scan# 2555

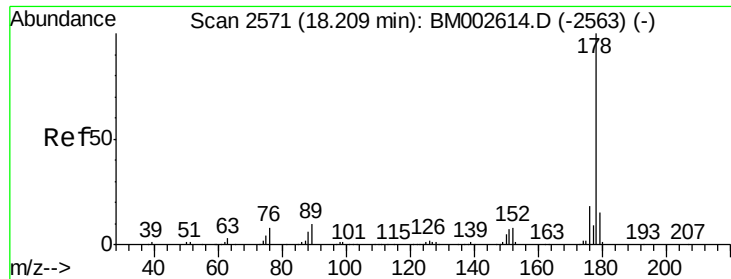
Delta R.T. -0.01 min

Lab File: BM002607.D

Acq: 01 Sep 2015 02:06

Tgt Ion:	178	Resp:	252804
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.4	18.6
176	18.3	15.1	22.7





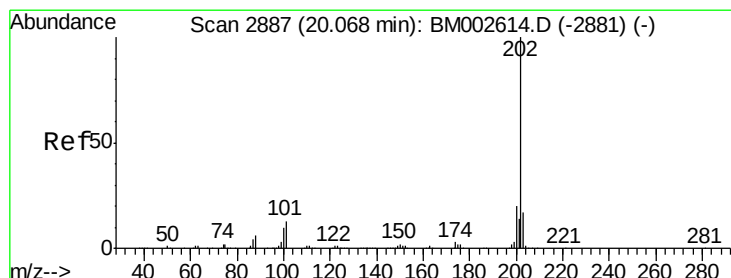
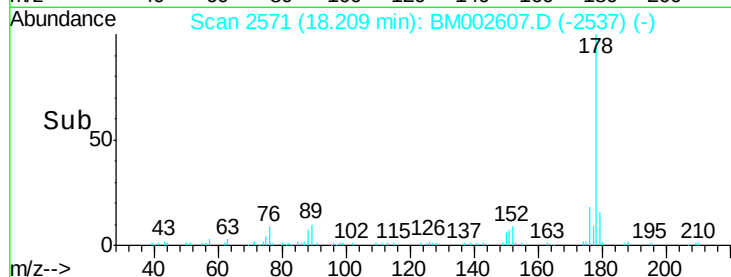
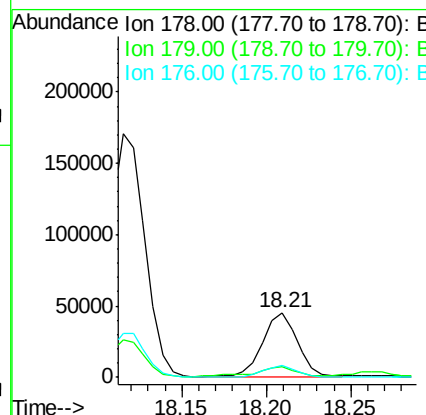
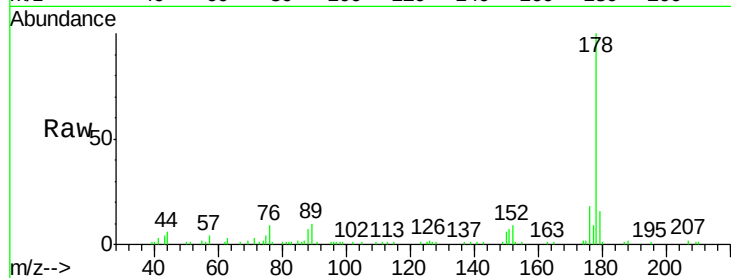
#15
 Anthracene
 Concen: 2.22 ng/ul
 RT: 18.21 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: BM002607.D
 Acq: 01 Sep 2015 02:06

Instrument :
 BNA_M
 ClientSampleId :
 D9EA0

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8
176	17.6	14.5	21.7

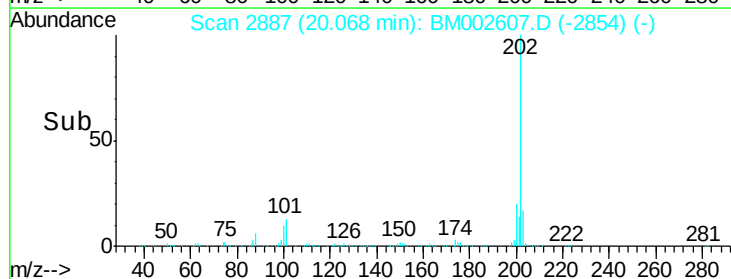
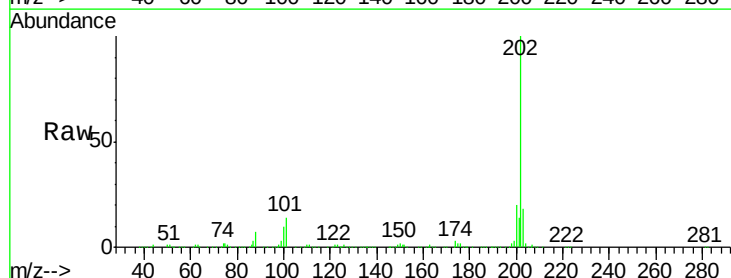
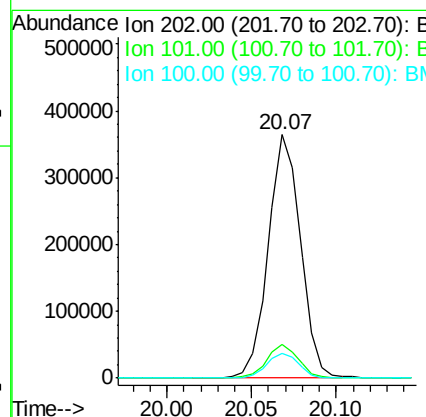
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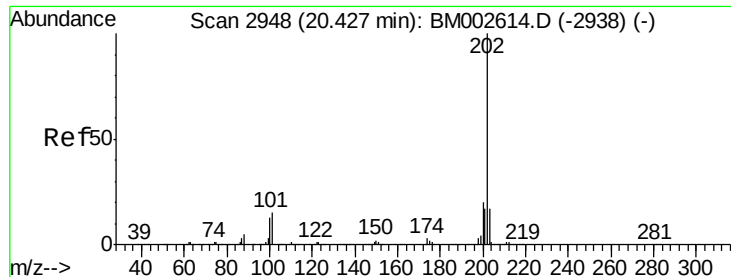
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#16
 Fluoranthene
 Concen: 14.40 ng/ul
 RT: 20.07 min Scan# 2887
 Delta R.T. -0.01 min
 Lab File: BM002607.D
 Acq: 01 Sep 2015 02:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	9.7	14.5
100	10.4	7.4	11.2





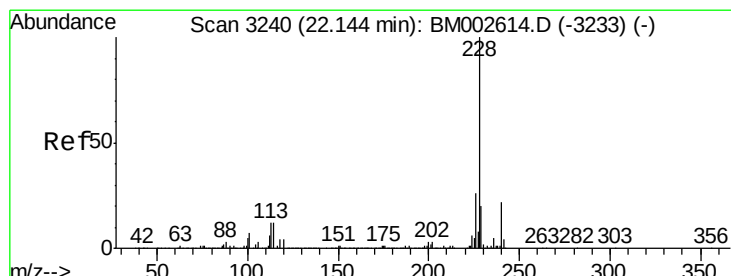
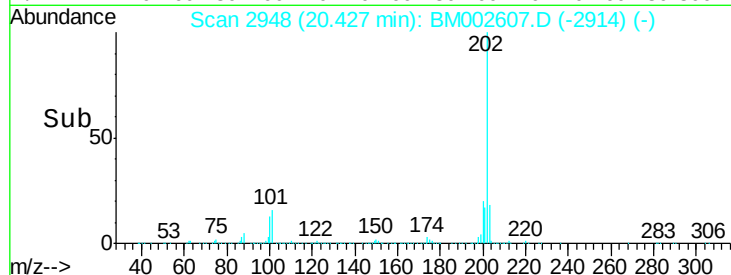
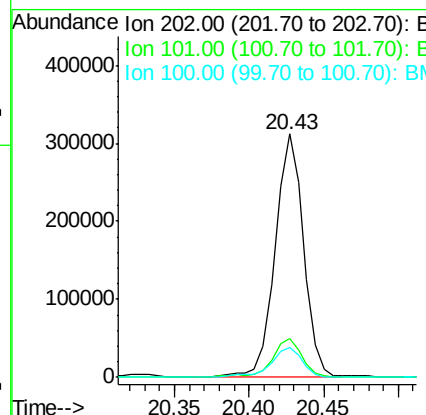
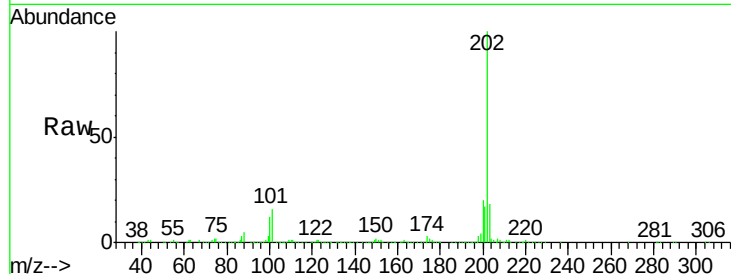
#19
 Pyrene
 Concen: 13.89 ng/ul
 RT: 20.43 min Scan# 2948
 Delta R.T. 0.00 min
 Lab File: BM002607.D
 Acq: 01 Sep 2015 02:06

Instrument :
 BNA_M
 ClientSampleId :
 D9EA0

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	412755		
101	15.8	12.0	18.0	
100	12.4	9.7	14.5	

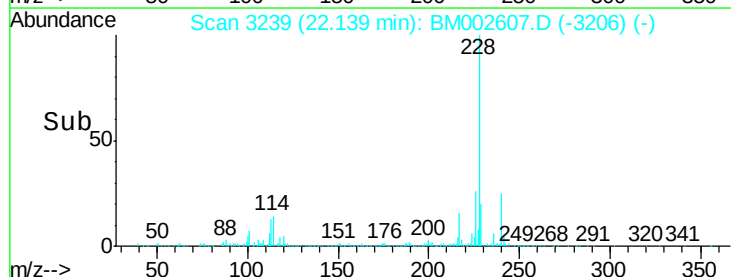
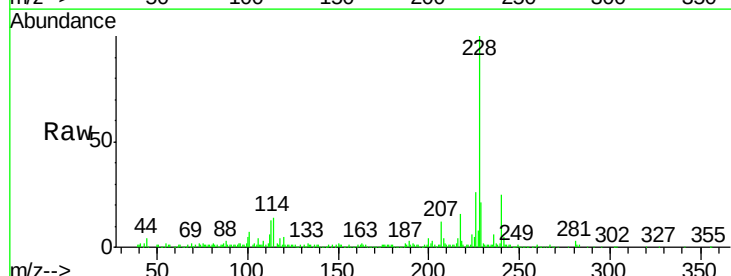
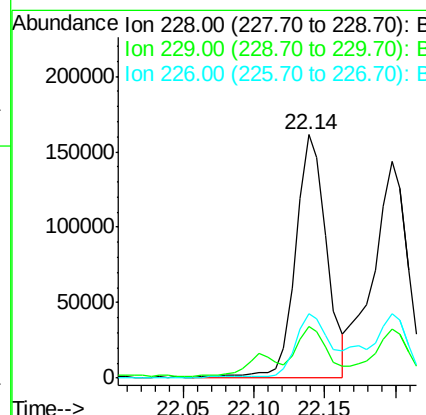
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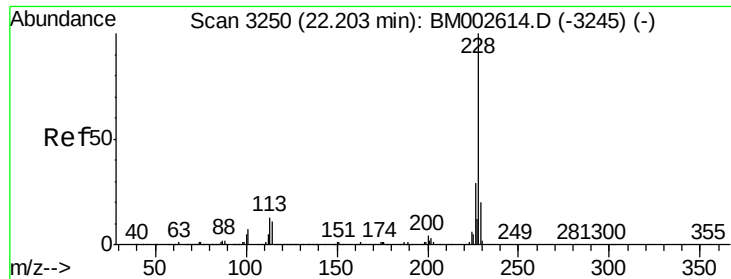
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#20
 Benzo(a)anthracene
 Concen: 8.04 ng/ul
 RT: 22.14 min Scan# 3239
 Delta R.T. -0.01 min
 Lab File: BM002607.D
 Acq: 01 Sep 2015 02:06

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	243782		
229	21.1	15.8	23.6	
226	26.3	21.1	31.7	





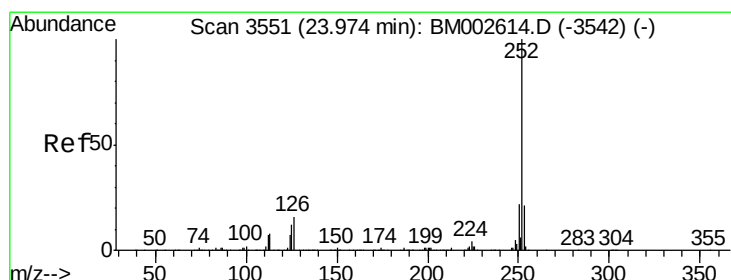
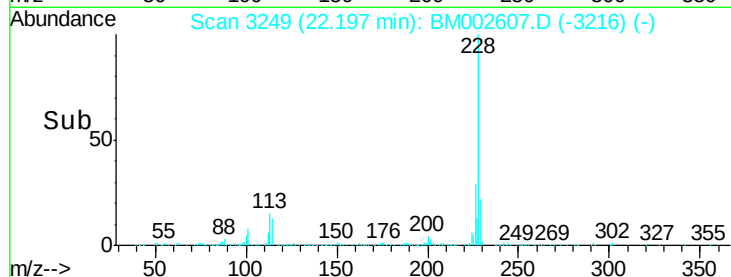
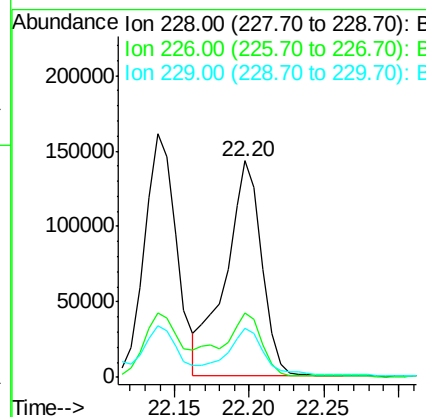
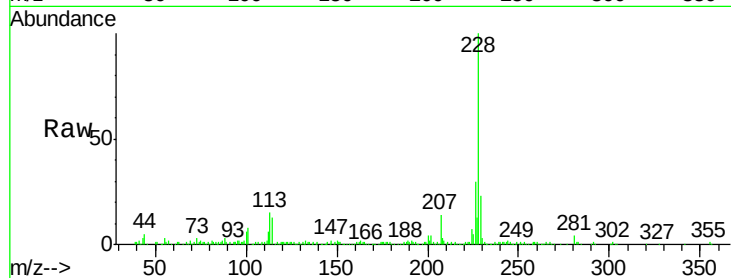
#21
Chrysene
Concen: 8.53 ng/ul
RT: 22.20 min Scan# 3249
Delta R.T. -0.01 min
Lab File: BM002607.D
Acq: 01 Sep 2015 02:06

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	241849		
226	29.6	23.4	35.2	
229	22.8	15.7	23.5	

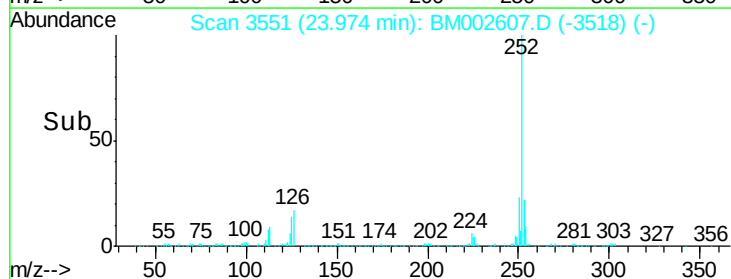
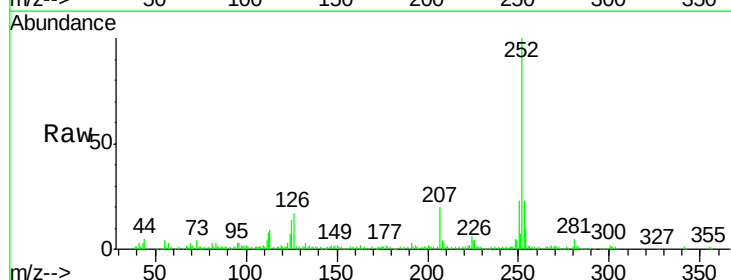
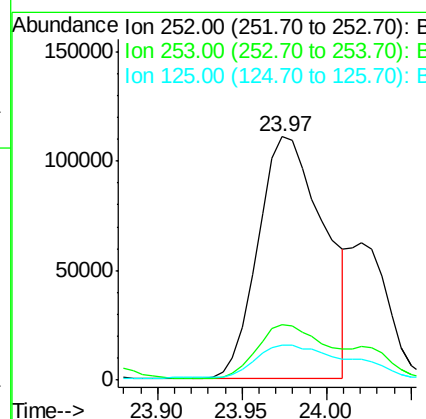
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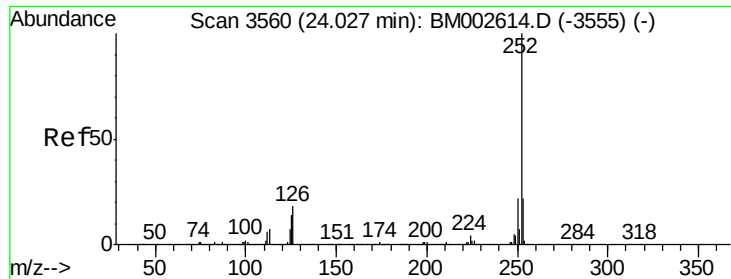
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#23
Benzo(b)fluoranthene
Concen: 11.55 ng/ul
RT: 23.97 min Scan# 3551
Delta R.T. -0.01 min
Lab File: BM002607.D
Acq: 01 Sep 2015 02:06

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	301320		
253	22.6	17.4	26.0	
125	14.3	10.0	15.0	





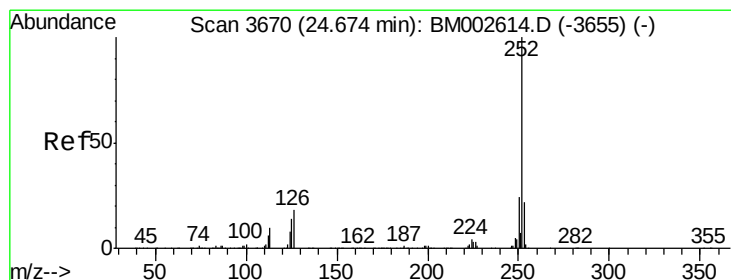
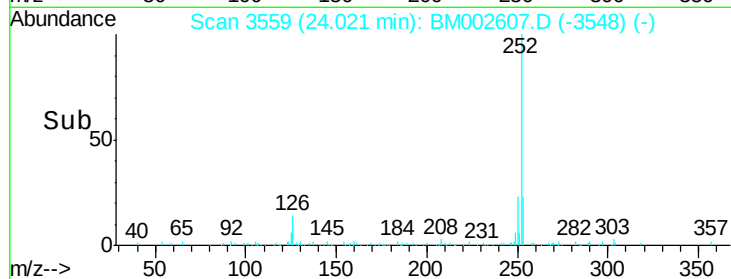
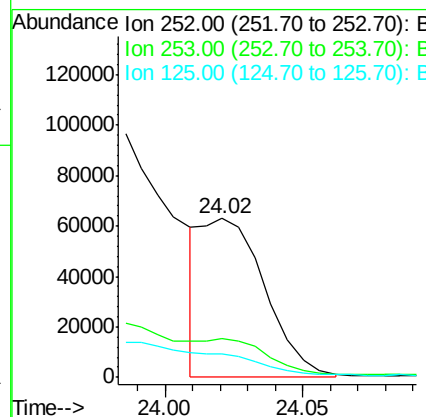
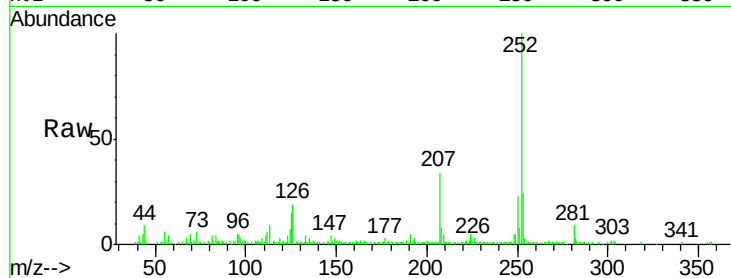
#24
Benzo(k)fluoranthene
Concen: 4.07 ng/ul m
RT: 24.02 min Scan# 3559
Delta R.T. -0.01 min
Lab File: BM002607.D
Acq: 01 Sep 2015 02:06

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	14.7	9.8	14.8

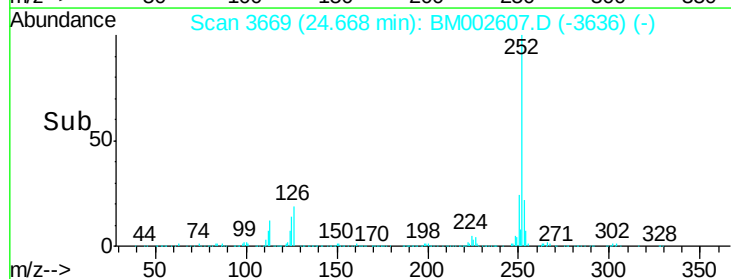
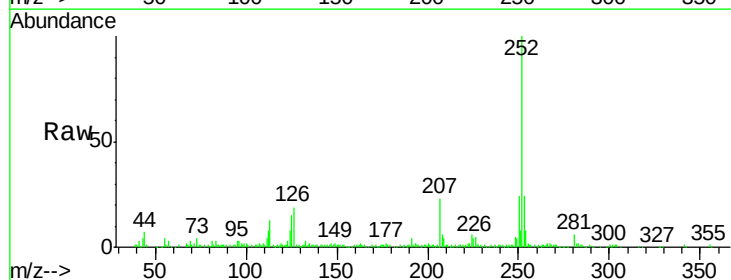
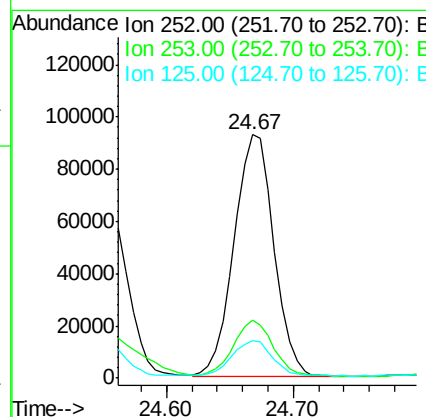
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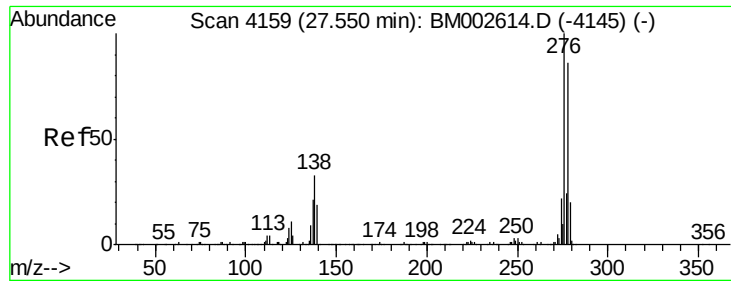
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#26
Benzo(a)pyrene
Concen: 8.09 ng/ul
RT: 24.67 min Scan# 3669
Delta R.T. -0.01 min
Lab File: BM002607.D
Acq: 01 Sep 2015 02:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	15.5	10.7	16.1





#27

Indeno(1,2,3-cd)pyrene

Concen: 5.50 ng/ul

RT: 27.55 min Scan# 4159

Delta R.T. -0.01 min

Lab File: BM002607.D

Acq: 01 Sep 2015 02:06

Instrument :

BNA_M

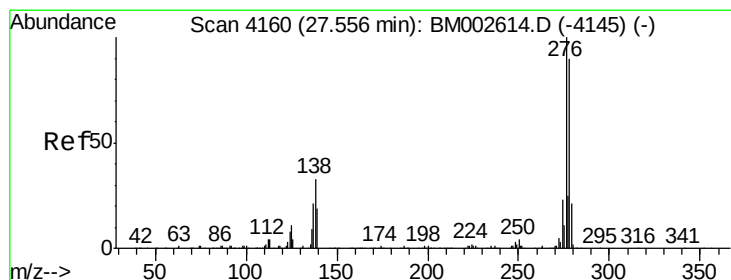
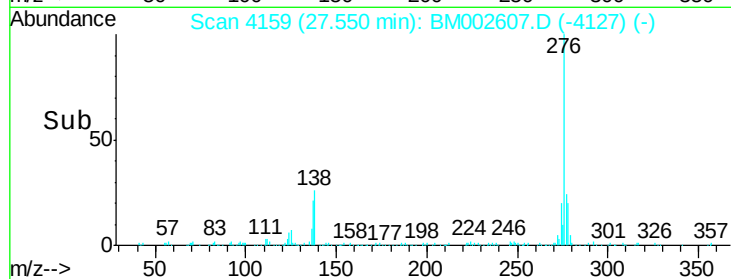
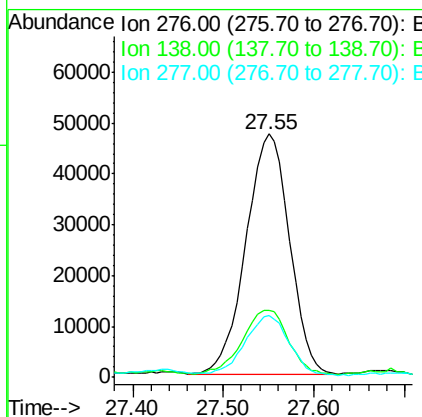
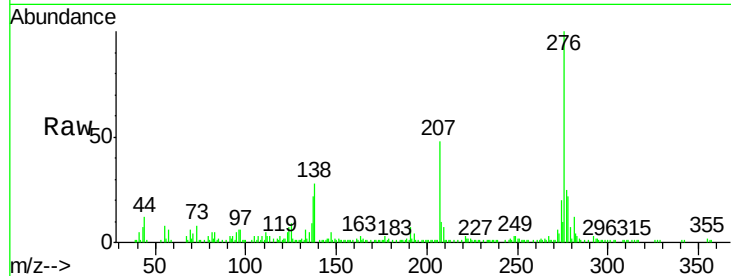
ClientSampleId :

D9EA0

Tgt Ion:	276	Resp:	157701
Ion Ratio	Lower	Upper	
276	100		
138	27.5	25.3	37.9
277	25.3	20.2	30.2

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#28

Dibenzo(a,h)anthracene

Concen: 1.89 ng/ul

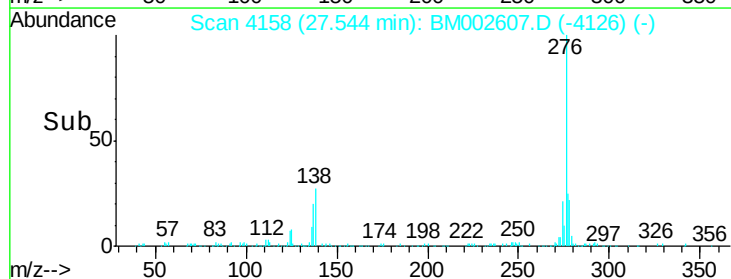
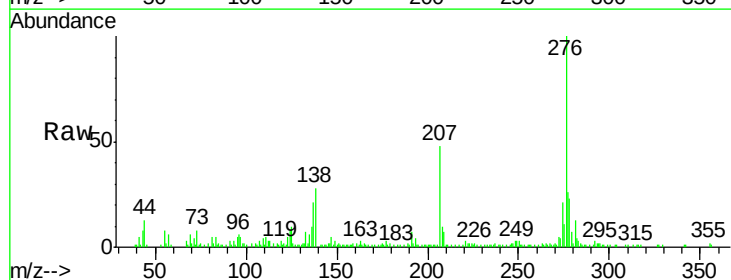
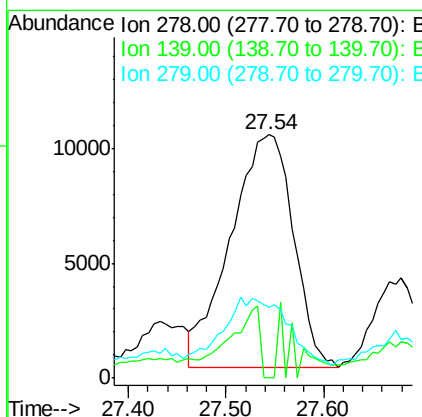
RT: 27.54 min Scan# 4158

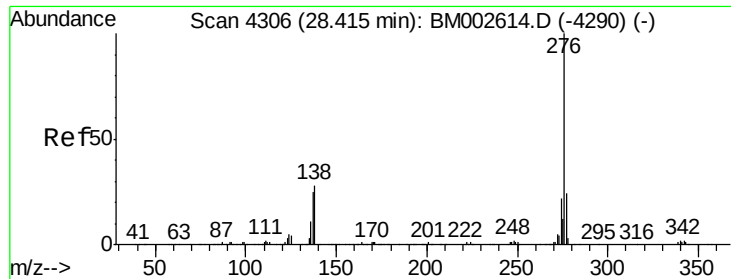
Delta R.T. -0.01 min

Lab File: BM002607.D

Acq: 01 Sep 2015 02:06

Tgt Ion:	278	Resp:	45394
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.5	24.7#
279	29.2	18.8	28.2#





#29

Benzo(g,h,i)perylene

Concen: 6.28 ng/ul

RT: 28.41 min Scan# 4306

Delta R.T. -0.01 min

Lab File: BM002607.D

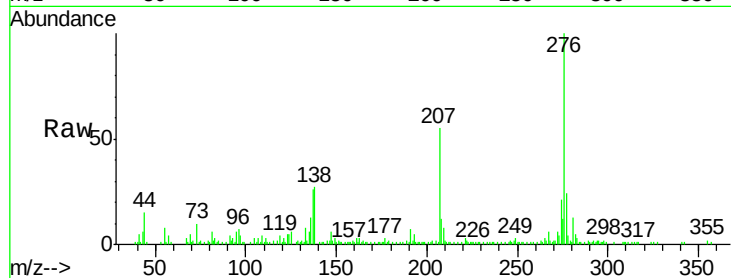
Acq: 01 Sep 2015 02:06

Instrument :

BNA_M

ClientSampleId :

D9EA0



Tgt	Ion	276	Resp:	149737
Ion	Ratio	100	Lower	Upper
276	100			
138	27.2	21.0	31.6	
277	24.4	19.2	28.8	

Manual Integrations
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