

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006621.D
 Acq On : 22 Jul 2016 12:20
 Operator : UM/SJ
 Sample : H4077-09 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YR3

Manual Integrations

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 7/25/2016 6:39:50 PM

Quant Time: Jul 23 00:33:45 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	169633	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	711304	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	393353	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	863329	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	934886	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	979824	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	4197	1.00	ng/uL	0.00
3) Phenol-d5	6.80	99	148161	10.27	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	112887	12.63	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	130788	11.34	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	83573	7.47	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	64621	12.00	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	69232	12.09	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	126445	11.69	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	113532	9.53	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	388461	12.60	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	510563	12.97	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	38641m	7.21	ng/ul	0.00
21) Fluorene-d10	15.26	176	356111	12.91	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	19987	4.46	ng/ul	0.00
26) Anthracene-d10	17.12	188	547897	13.37	ng/ul	0.00
30) Pyrene-d10	19.42	212	603999	14.18	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	617756	13.71	ng/ul	0.00

Target Compounds

						Qvalue
18) Acenaphthylene	13.99	152	57846	1.37	ng/ul	96
25) Phenanthrene	17.06	178	504696	10.39	ng/ul	99
27) Anthracene	17.15	178	111787	2.24	ng/ul	98
28) Fluoranthene	19.09	202	1305078	22.88	ng/ul	98
31) Pyrene	19.45	202	1137788	20.10	ng/ul	97
32) Benzo(a)anthracene	21.20	228	647232	11.42	ng/ul	98
33) Chrysene	21.26	228	684612	13.11	ng/ul	96
35) Benzo(b)fluoranthene	22.77	252	983550	16.75	ng/ul	99
36) Benzo(k)fluoranthene	22.80	252	287465m	5.06	ng/ul	
38) Benzo(a)pyrene	23.33	252	640823	11.21	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.63	276	496033	7.49	ng/ul	99
40) Dibenzo(a,h)anthracene	25.63	278	137833m	2.51	ng/ul	
41) Benzo(g,h,i)perylene	26.31	276	478050	8.42	ng/ul	96

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

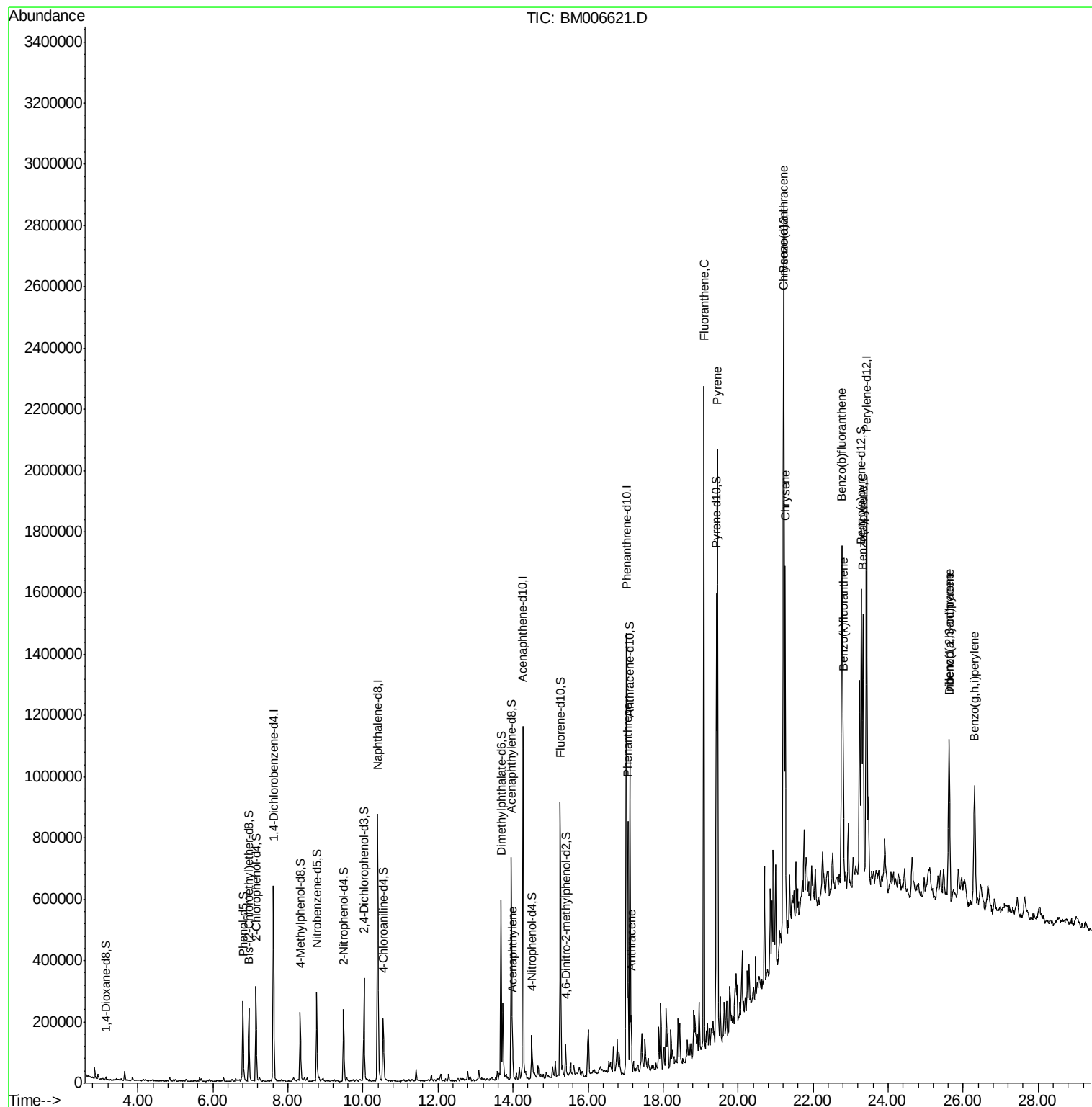
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006621.D
Acq On : 22 Jul 2016 12:20
Operator : UM/SJ
Sample : H4077-09 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

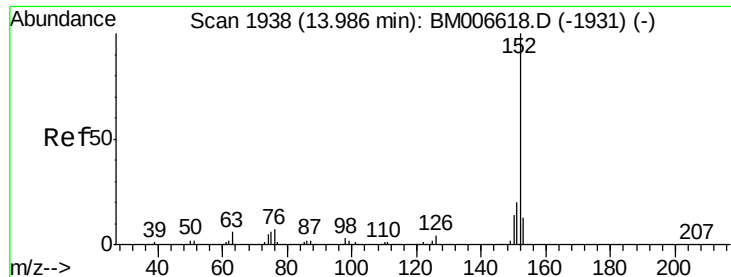
Instrument :
BNA_M
ClientSampleId :
D9YR3

Manual Integrations

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Quant Time: Jul 23 00:33:45 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 23 00:16:38 2016
Response via : Initial Calibration





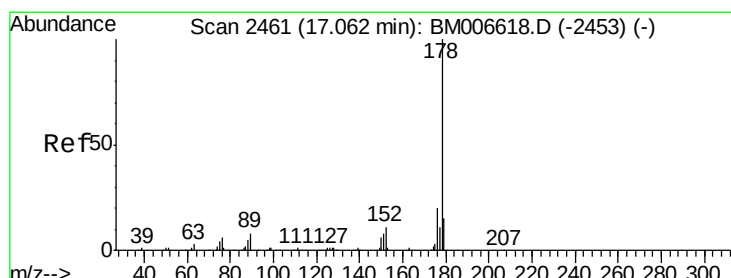
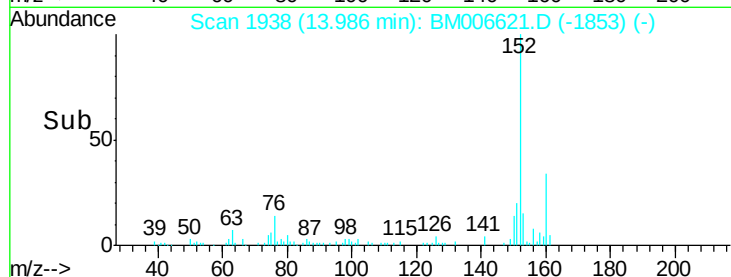
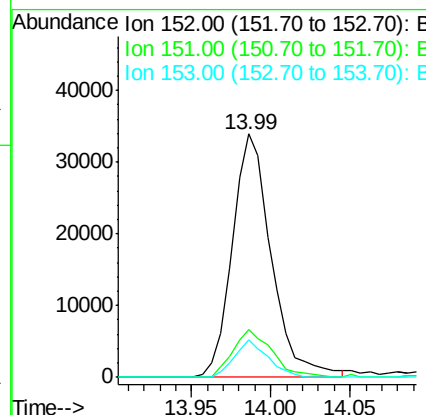
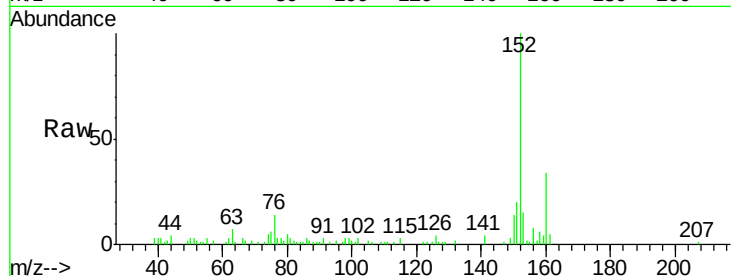
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Acenaphthylene
Concen: 1.37 ng/ul
RT: 13.99 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BM006621.D
Acq: 22 Jul 2016 12:20

Instrument :
BNA_M
ClientSampleId :
D9YR3

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	17.3	25.9
153	15.2	11.1	16.7

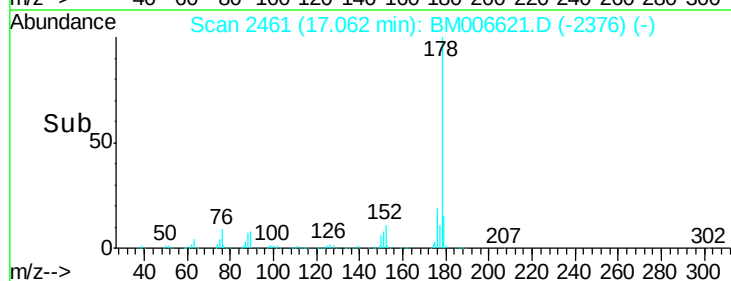
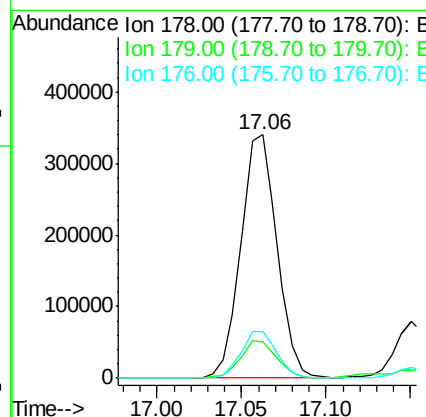
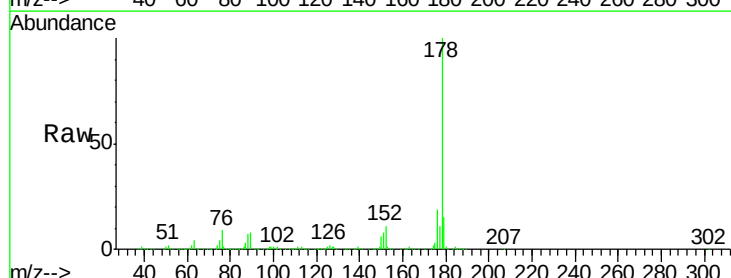
Manual Integrations

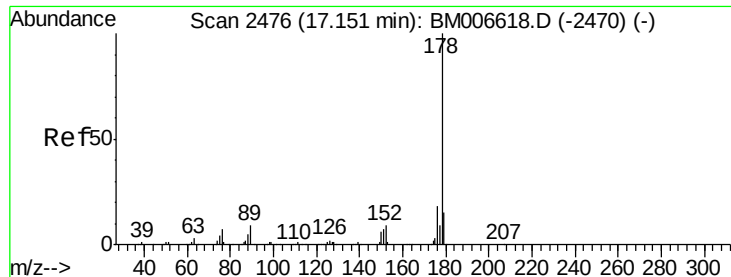
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#25
Phenanthrene
Concen: 10.39 ng/ul
RT: 17.06 min Scan# 2461
Delta R.T. -0.00 min
Lab File: BM006621.D
Acq: 22 Jul 2016 12:20

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.8	17.8
176	19.2	14.8	22.2





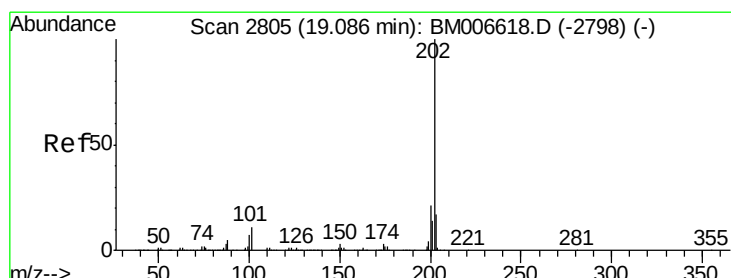
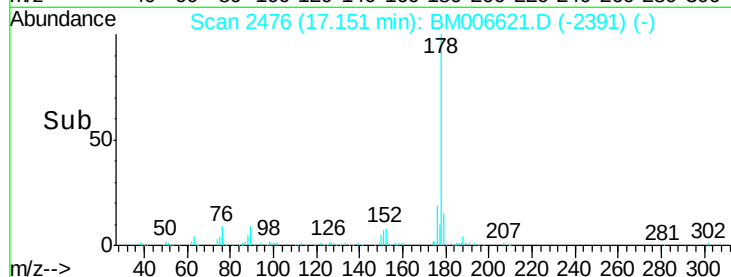
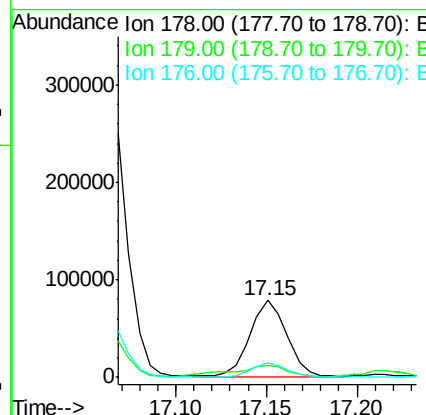
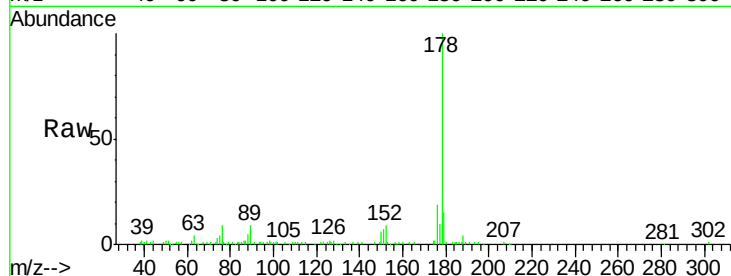
#27
 Anthracene
 Concen: 2.24 ng/ul
 RT: 17.15 min Scan# 2476
 Delta R.T. -0.00 min
 Lab File: BM006621.D
 Acq: 22 Jul 2016 12:20

Instrument :
 BNA_M
 ClientSampleId :
 D9YR3

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.9	19.3
176	18.8	15.6	23.4

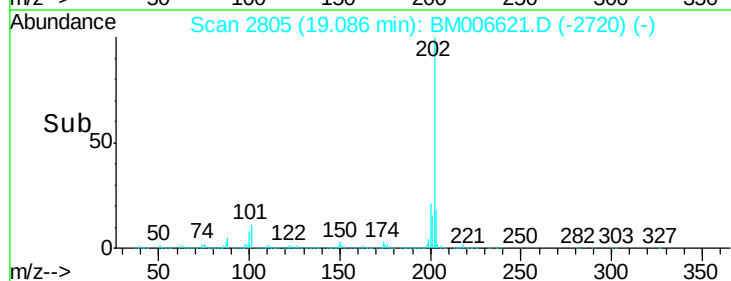
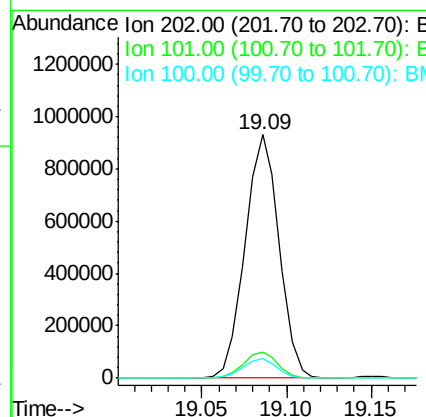
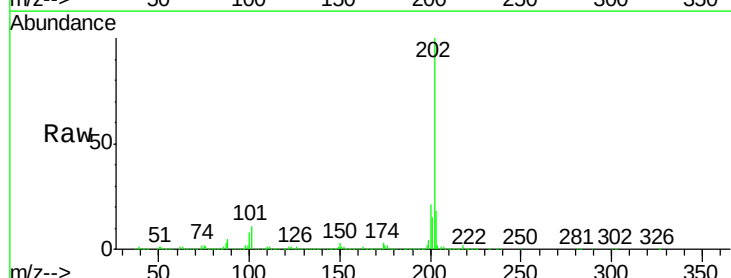
Manual Integrations

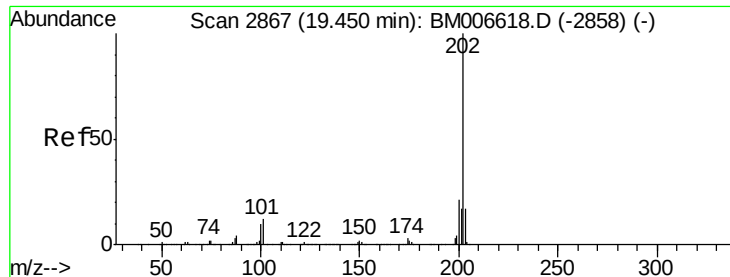
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#28
 Fluoranthene
 Concen: 22.88 ng/ul
 RT: 19.09 min Scan# 2805
 Delta R.T. -0.00 min
 Lab File: BM006621.D
 Acq: 22 Jul 2016 12:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.9	13.3
100	7.9	7.0	10.4





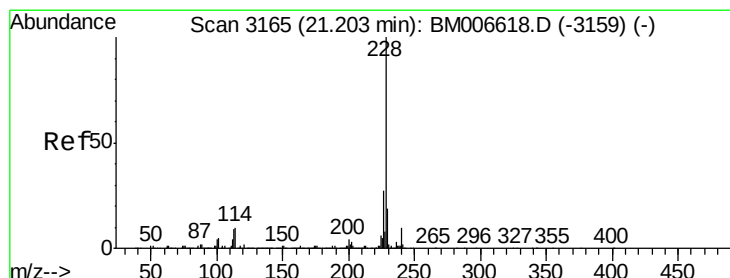
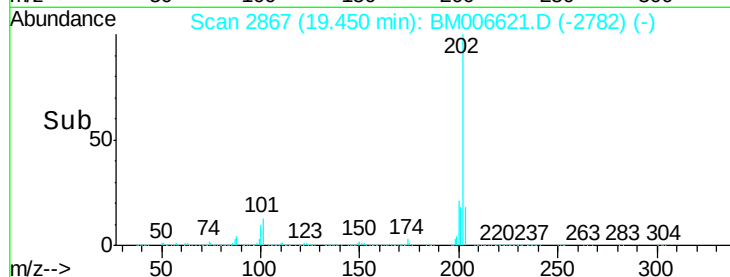
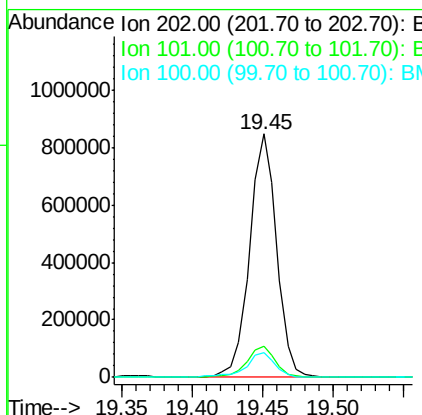
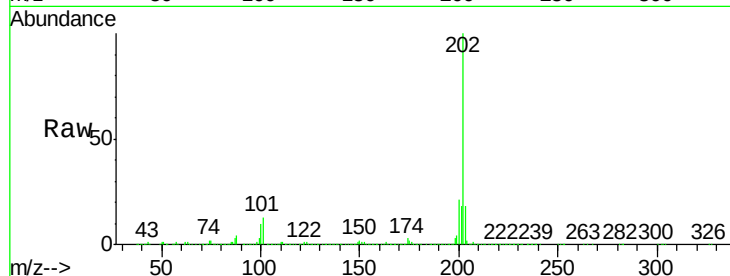
#31
 Pyrene
 Concen: 20.10 ng/ul
 RT: 19.45 min Scan# 2867
 Delta R.T. -0.00 min
 Lab File: BM006621.D
 Acq: 22 Jul 2016 12:20

Instrument :
 BNA_M
 ClientSampleId :
 D9YR3

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	9.8	14.8
100	9.9	9.3	13.9

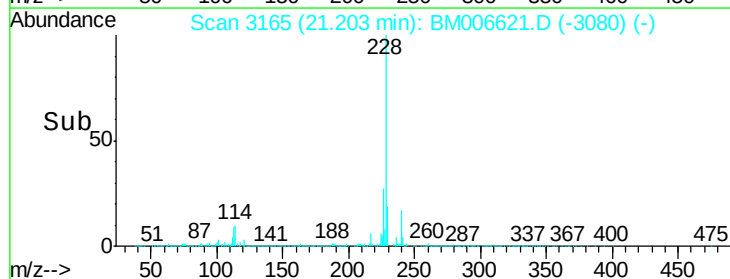
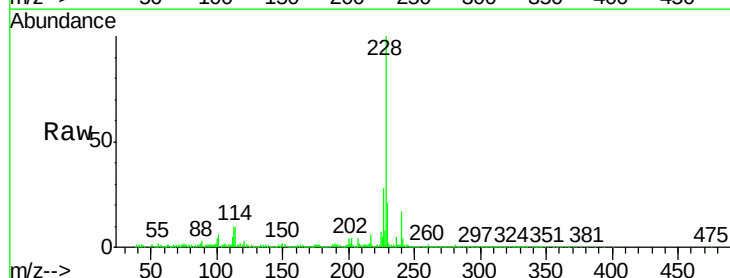
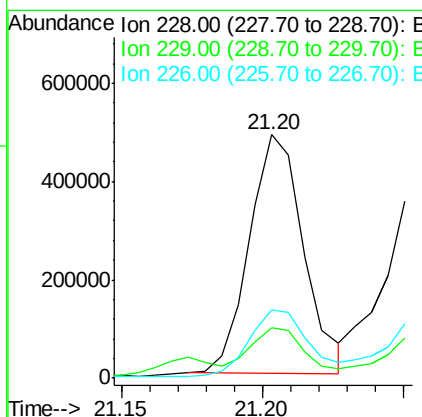
Manual Integrations

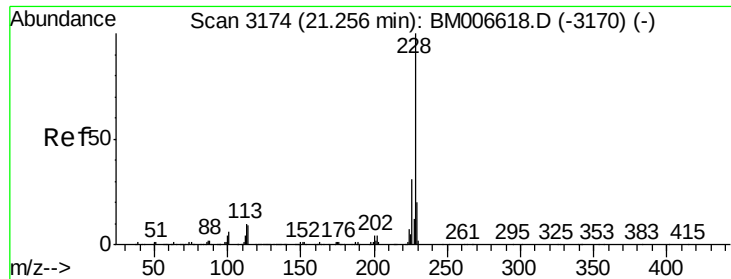
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#32
 Benzo(a)anthracene
 Concen: 11.42 ng/ul
 RT: 21.20 min Scan# 3165
 Delta R.T. -0.00 min
 Lab File: BM006621.D
 Acq: 22 Jul 2016 12:20

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.6	25.0
226	27.9	21.0	31.4





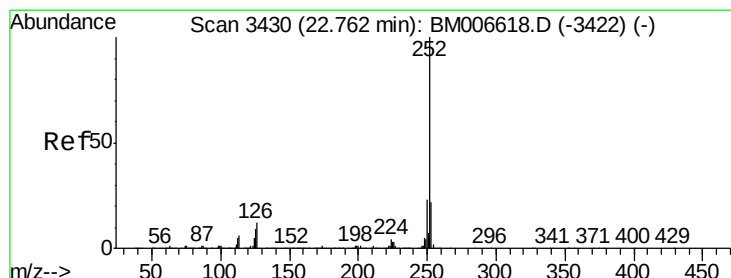
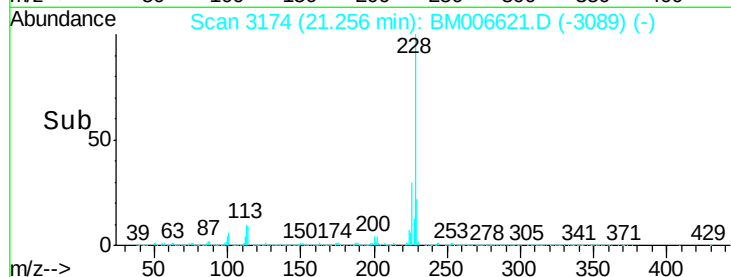
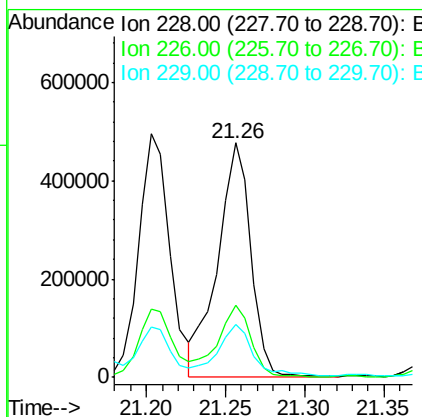
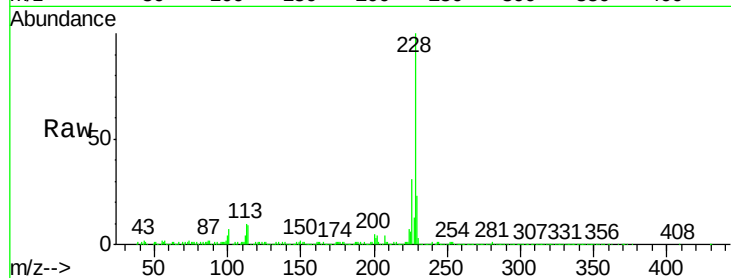
#33
Chrysene
Concen: 13.11 ng/ul
RT: 21.26 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BM006621.D
Acq: 22 Jul 2016 12:20

Instrument :
BNA_M
ClientSampleId :
D9YR3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.2
229	22.6	16.2	24.2

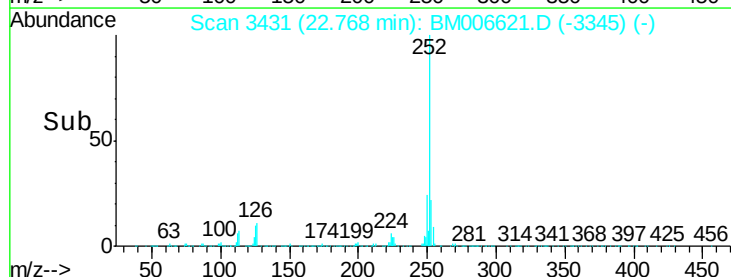
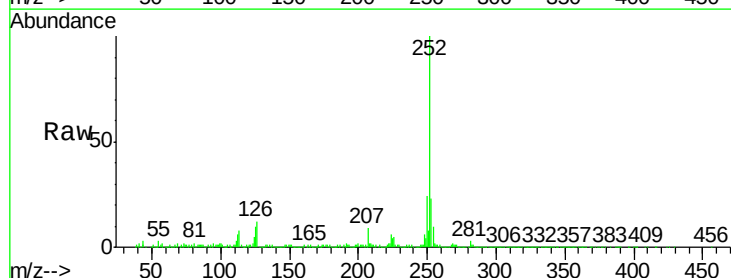
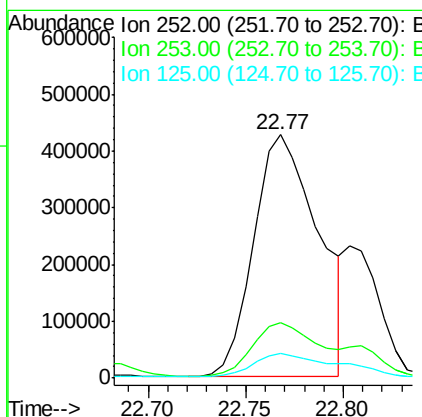
Manual Integrations

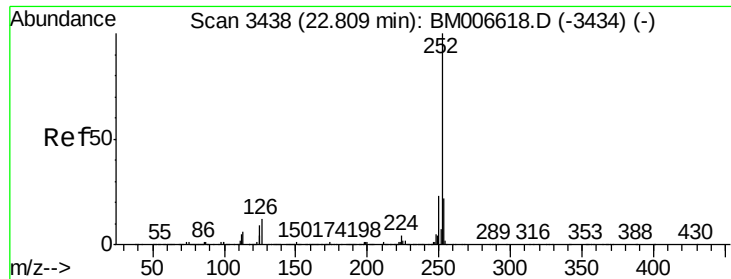
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#35
Benzo(b)fluoranthene
Concen: 16.75 ng/ul
RT: 22.77 min Scan# 3431
Delta R.T. 0.01 min
Lab File: BM006621.D
Acq: 22 Jul 2016 12:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	10.2	7.6	11.4





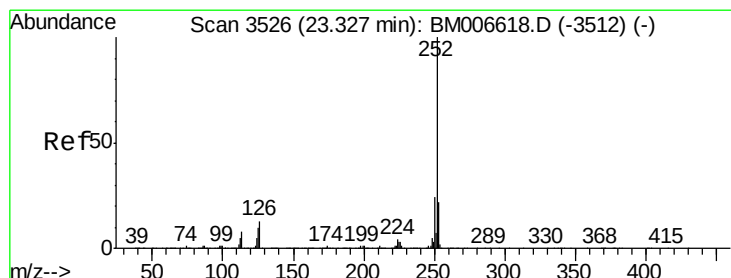
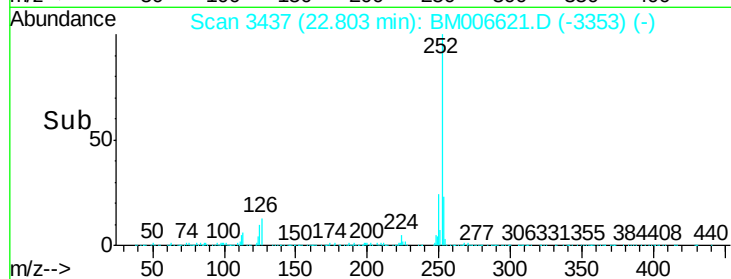
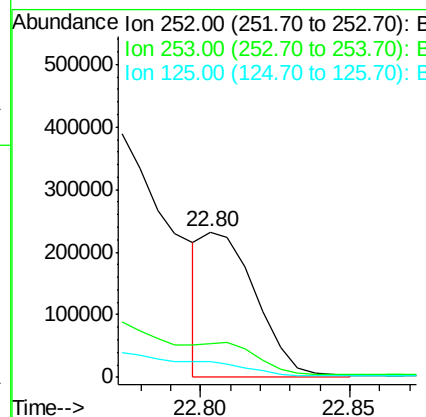
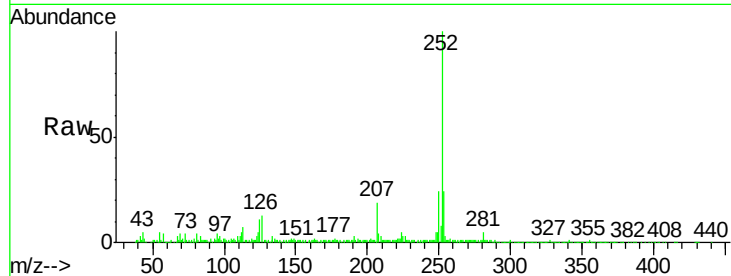
#36
Benzo(k)fluoranthene
Concen: 5.06 ng/ul m
RT: 22.80 min Scan# 3437
Delta R.T. -0.01 min
Lab File: BM006621.D
Acq: 22 Jul 2016 12:20

Instrument :
BNA_M
ClientSampled :
D9YR3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	10.6	7.7	11.5

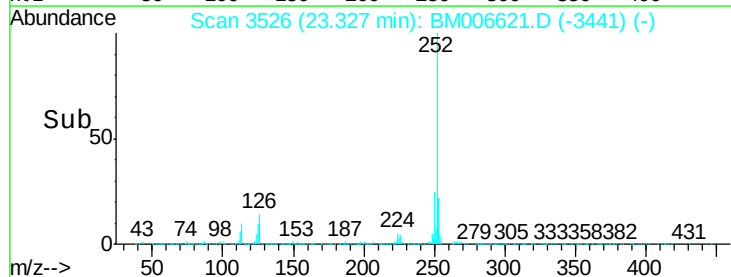
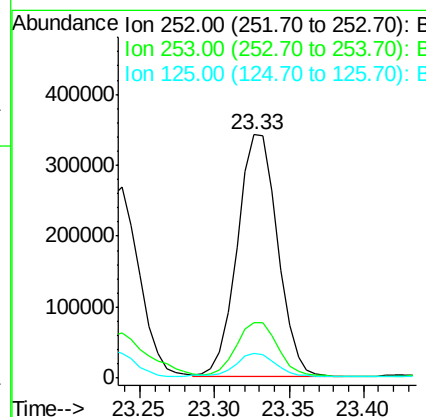
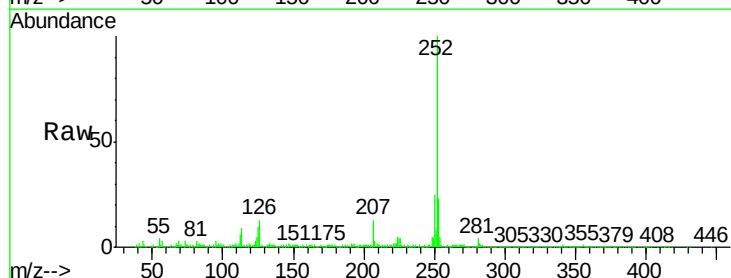
Manual Integrations

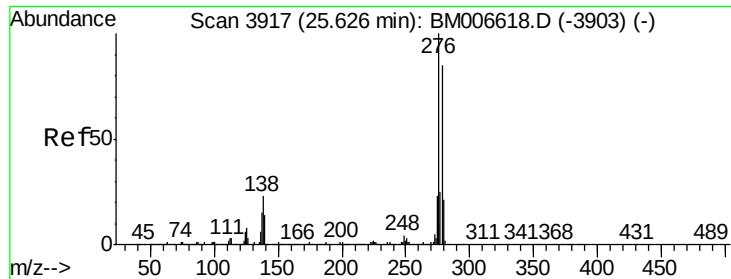
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#38
Benzo(a)pyrene
Concen: 11.21 ng/ul
RT: 23.33 min Scan# 3526
Delta R.T. -0.00 min
Lab File: BM006621.D
Acq: 22 Jul 2016 12:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	10.4	8.2	12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 7.49 ng/ul

RT: 25.63 min Scan# 3917

Delta R.T. -0.00 min

Lab File: BM006621.D

Acq: 22 Jul 2016 12:20

Instrument :

BNA_M

ClientSampled :

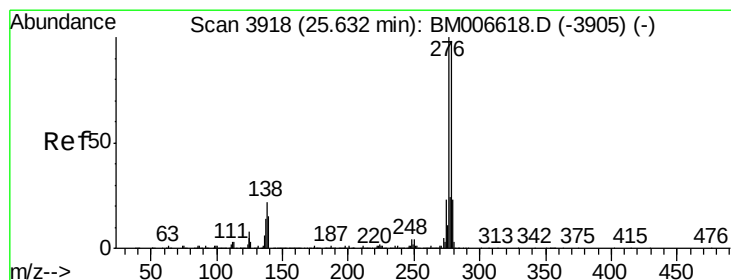
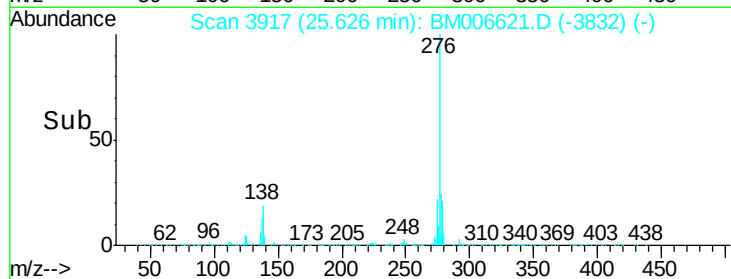
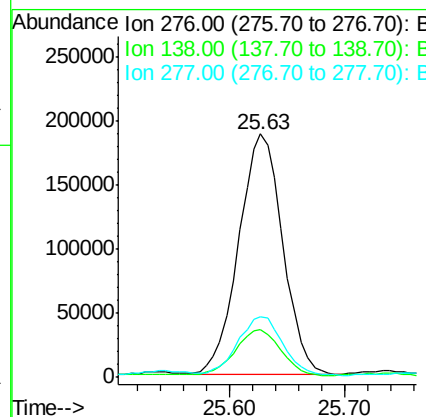
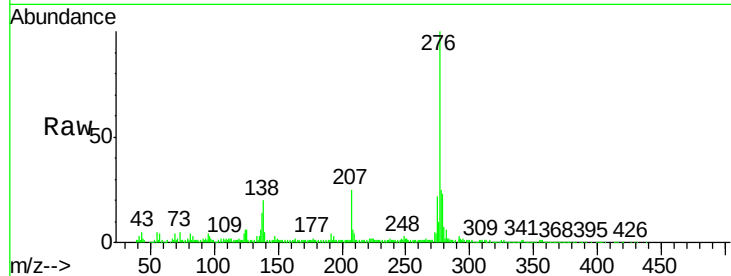
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Tgt Ion:	276	Resp:	496033
Ion Ratio	Lower	Upper	
276	100		
138	19.7	15.8	23.6
277	25.0	19.0	28.6

Manual Integrations

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#40

Dibenzo(a,h)anthracene

Concen: 2.51 ng/ul m

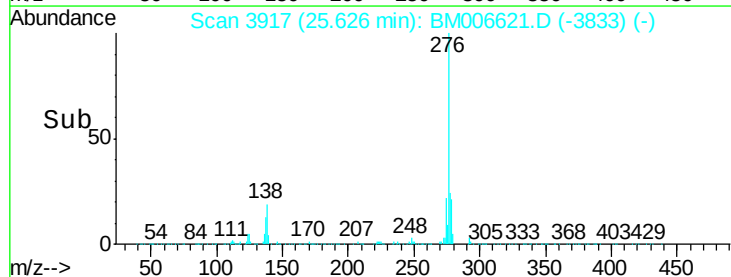
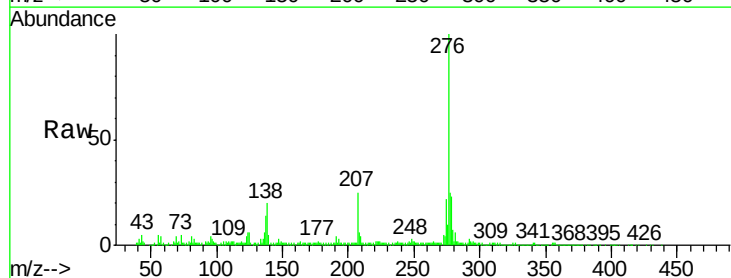
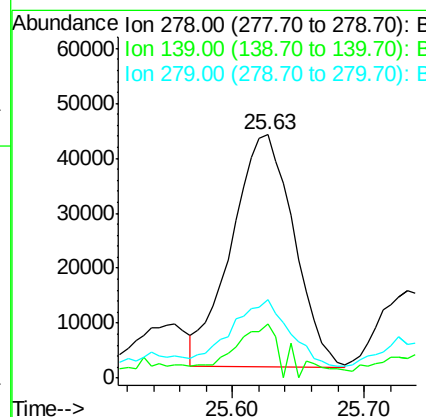
RT: 25.63 min Scan# 3917

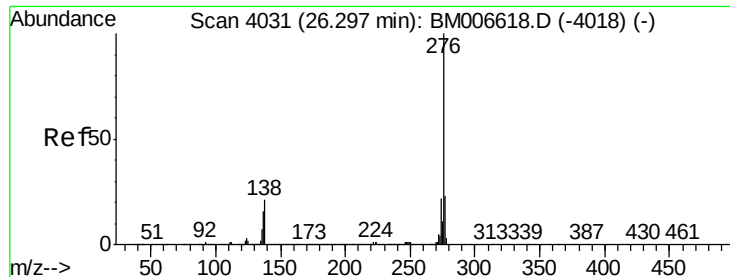
Delta R.T. -0.01 min

Lab File: BM006621.D

Acq: 22 Jul 2016 12:20

Tgt Ion:	278	Resp:	137833
Ion Ratio	Lower	Upper	
278	100		
139	22.1	12.1	18.1#
279	32.2	19.8	29.8#





#41

Benzo(g,h,i)perylene

Concen: 8.42 ng/ul

RT: 26.31 min Scan# 4033

Delta R.T. 0.01 min

Lab File: BM006621.D

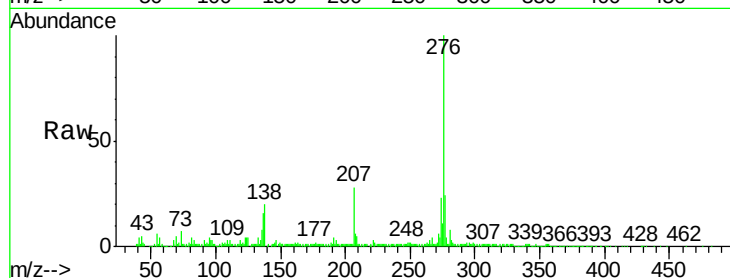
Acq: 22 Jul 2016 12:20

Instrument :

BNA_M

ClientSampleId :

D9YR3



Tgt Ion: 276 Resp: 478050

Ion Ratio Lower Upper

276 100

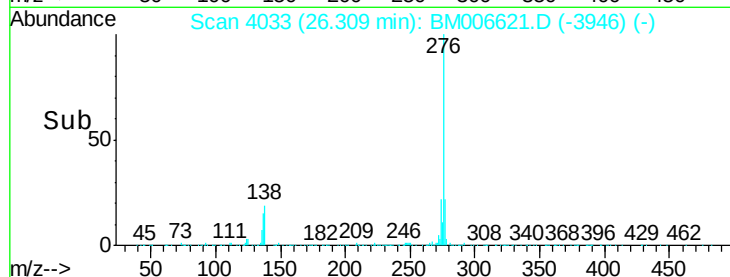
138 20.1 13.9 20.9

277 23.9 19.8 29.6

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

200000

150000

100000

50000

0

26.20 26.30 26.40

Time-->