

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
 Data File : BM006818.D
 Acq On : 01 Aug 2016 09:52
 Operator : UM/SJ
 Sample : H4189-13
 Misc :
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9ZQ2

Manual Integrations
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 8/1/2016 7:09:31 PM

Quant Time: Aug 01 13:39:06 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 30 01:37:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	316347	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	1355409	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	731205	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	1595754	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1608010	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1737166	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	8928	1.14	ng/uL	0.00
3) Phenol-d5	6.80	99	378566	14.07	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.95	67	260929	15.65	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	318730	14.82	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	247261	11.85	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	163780	15.96	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	183143	16.79	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	318578	15.45	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	289183	12.74	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	951294	16.59	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	1233224	16.85	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	136437	13.70	ng/ul	0.02
21) Fluorene-d10	15.26	176	847871	16.54	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	91274	11.02	ng/ul	0.01
26) Anthracene-d10	17.12	188	1279746	16.89	ng/ul	0.00
30) Pyrene-d10	19.42	212	1384977	18.90	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1380909	17.28	ng/ul	0.01

Target Compounds

					Qvalue
18) Acenaphthylene	13.98	152	137429	1.75 ng/ul	96
22) Fluorene	15.32	166	61948	1.09 ng/ul	94
25) Phenanthrene	17.06	178	1252623	13.96 ng/ul	98
27) Anthracene	17.15	178	176583	1.91 ng/ul	96
28) Fluoranthene	19.09	202	2000429	18.97 ng/ul	98
31) Pyrene	19.45	202	1608182	16.52 ng/ul	97
32) Benzo(a)anthracene	21.20	228	694391	7.13 ng/ul	97
33) Chrysene	21.26	228	757369	8.43 ng/ul	97
35) Benzo(b)fluoranthene	22.77	252	1213843	11.66 ng/ul	100
36) Benzo(k)fluoranthene	22.80	252	355183m	3.53 ng/ul	
38) Benzo(a)pyrene	23.33	252	766649	7.56 ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.64	276	695722	5.93 ng/ul	99
40) Dibenzo(a,h)anthracene	25.63	278	160967m	1.65 ng/ul	
41) Benzo(g,h,i)perylene	26.31	276	712216	7.08 ng/ul	97

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

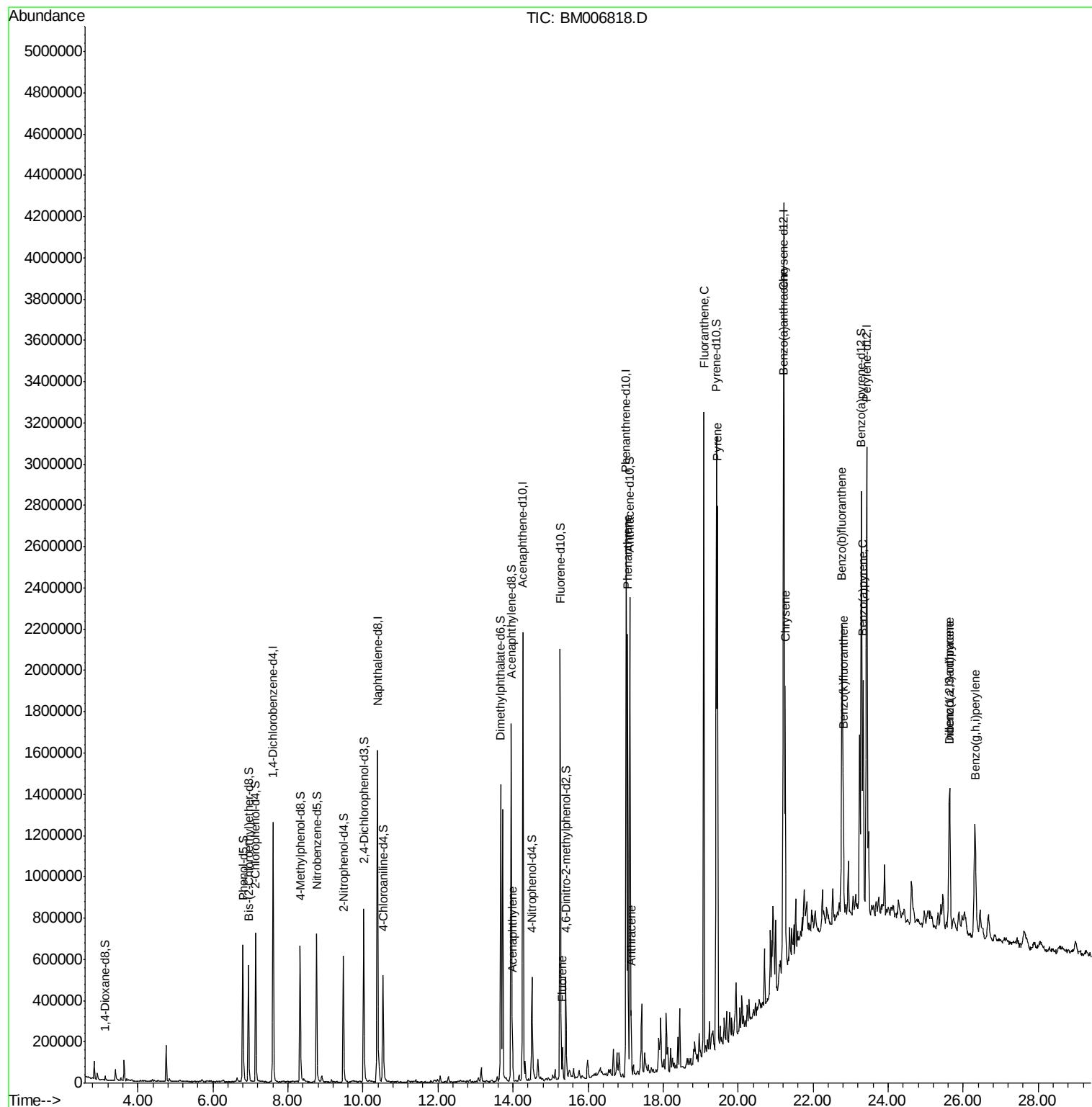
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
Data File : BM006818.D
Acq On : 01 Aug 2016 09:52
Operator : UM/SJ
Sample : H4189-13
Misc :
ALS Vial : 85 Sample Multiplier: 1

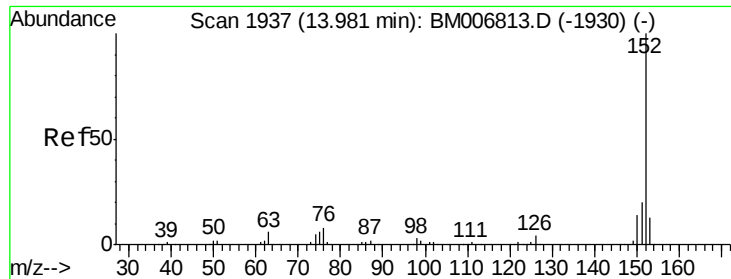
Instrument :
BNA_M
ClientSampleId :
D9ZQ2

Manual Integrations
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Quant Time: Aug 01 13:39:06 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration





#18

Acenaphthylene

Concen: 1.75 ng/ul

RT: 13.98 min Scan# 1937

Delta R.T. 0.00 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Instrument :

BNA_M

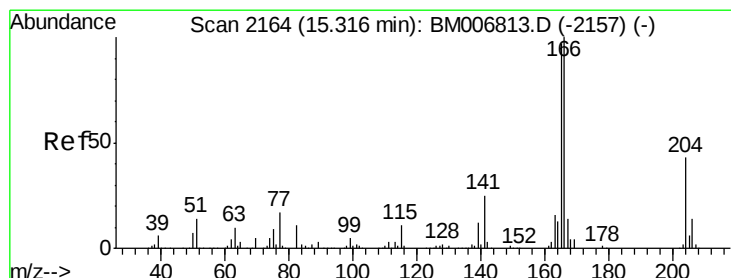
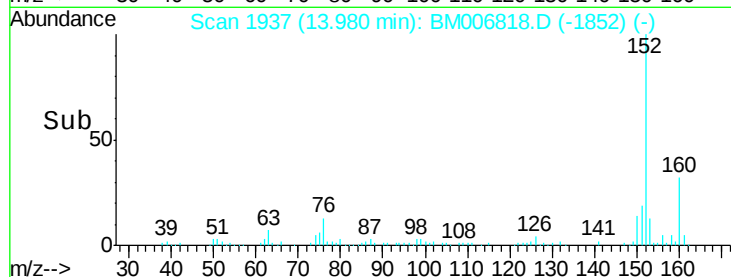
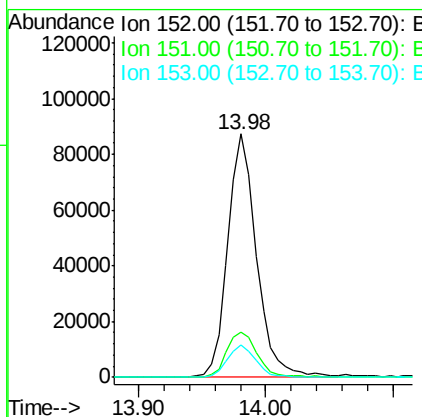
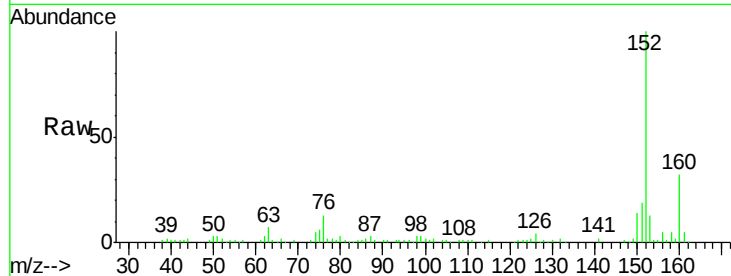
ClientSampled :

D9ZQ2

Tgt Ion:	152	Resp:	137429
Ion Ratio	Lower	Upper	
152	100		
151	18.7	17.3	25.9
153	13.2	11.1	16.7

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#22

Fluorene

Concen: 1.09 ng/ul

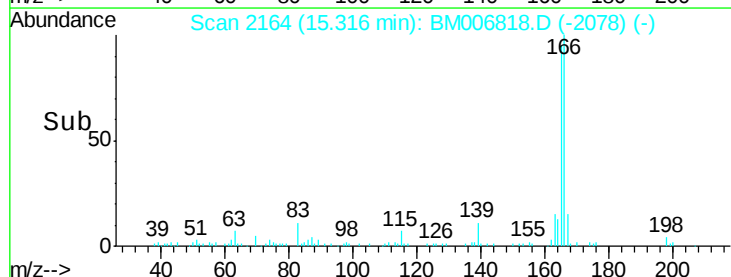
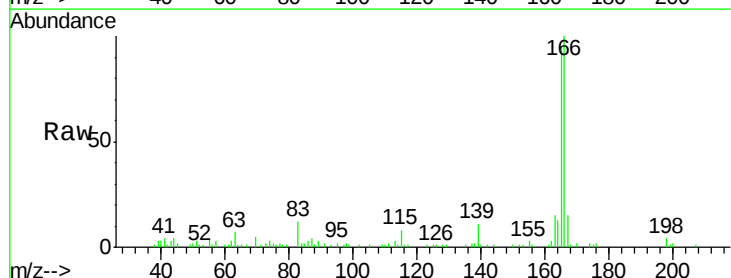
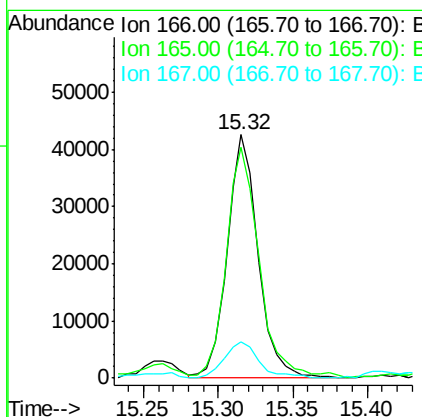
RT: 15.32 min Scan# 2164

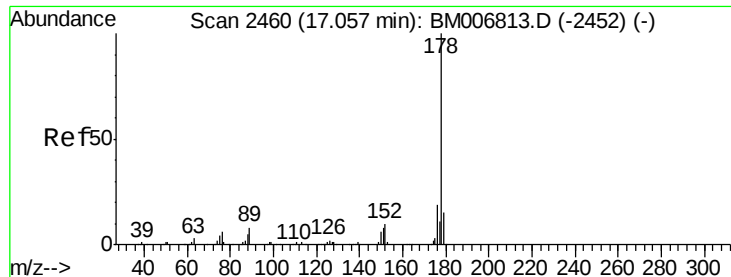
Delta R.T. 0.01 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Tgt Ion:	166	Resp:	61948
Ion Ratio	Lower	Upper	
166	100		
165	94.8	81.1	121.7
167	15.1	10.6	16.0





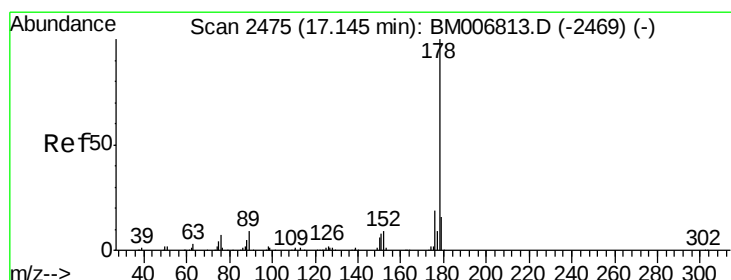
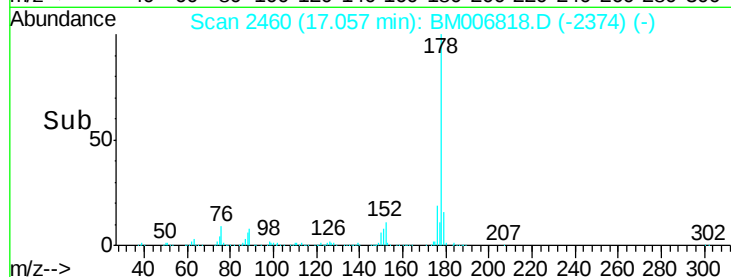
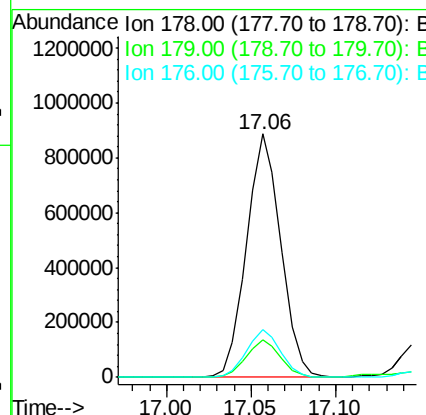
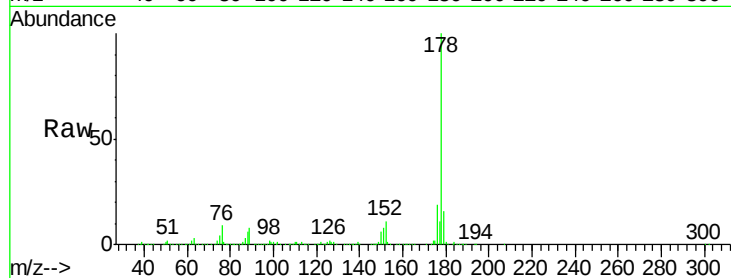
#25
Phenanthrene
Concen: 13.96 ng/ul
RT: 17.06 min Scan# 2460
Delta R.T. 0.01 min
Lab File: BM006818.D
Acq: 01 Aug 2016 09:52

Instrument :
BNA_M
ClientSampleId :
D9ZQ2

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.8	17.8
176	19.4	14.8	22.2

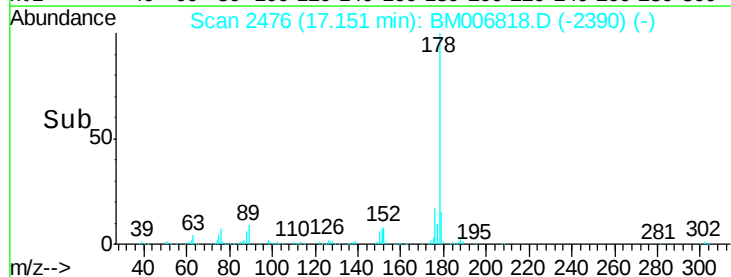
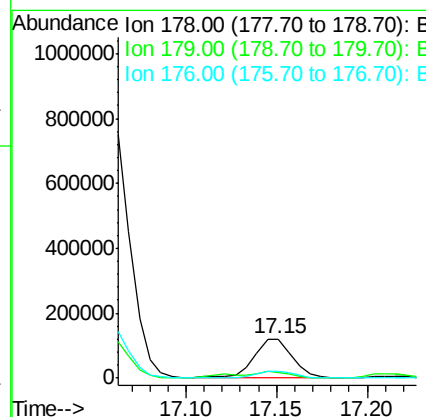
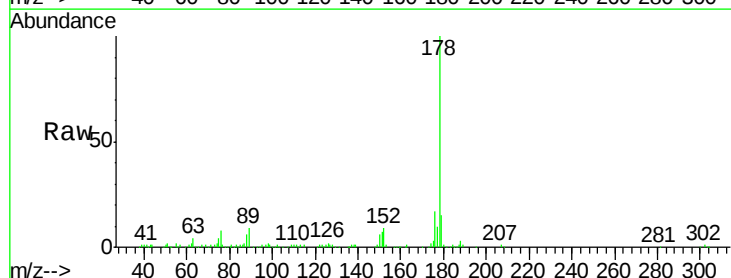
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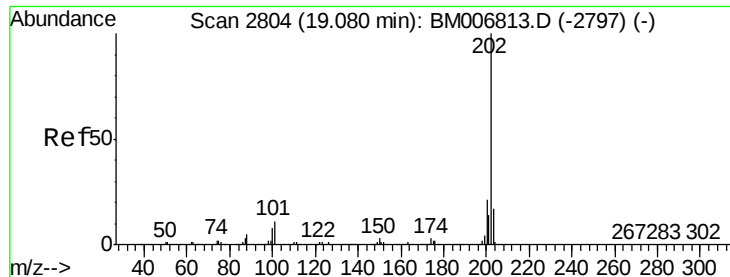
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#27
Anthracene
Concen: 1.91 ng/ul
RT: 17.15 min Scan# 2476
Delta R.T. 0.01 min
Lab File: BM006818.D
Acq: 01 Aug 2016 09:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.9	19.3
176	17.2	15.6	23.4





#28

Fluoranthene

Concen: 18.97 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.01 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Instrument :

BNA_M

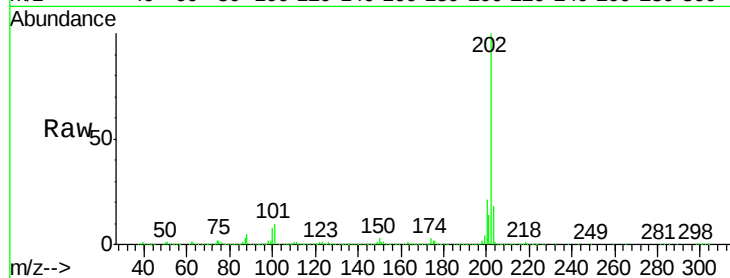
ClientSampled :

D9ZQ2

Tgt Ion:	202	Resp:	2000429
Ion Ratio	Lower	Upper	
202	100		
101	10.4	8.9	13.3
100	7.7	7.0	10.4

Manual Integrations
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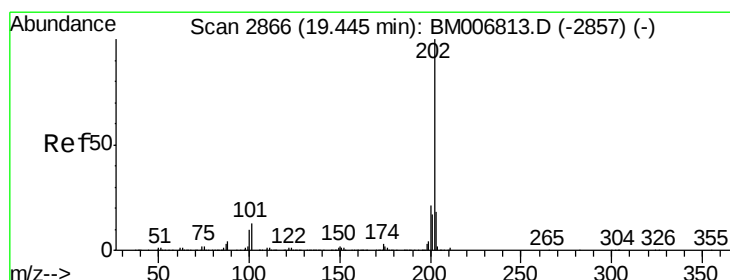
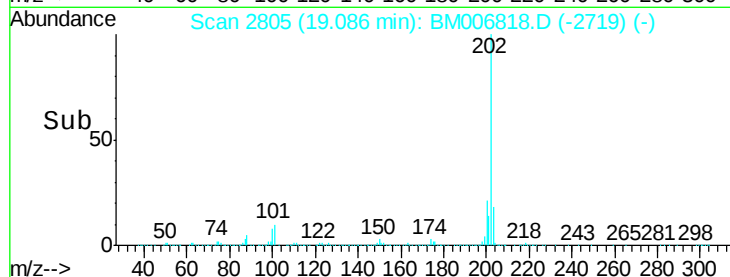
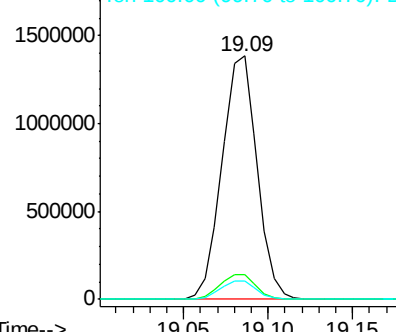
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#31

Pyrene

Concen: 16.52 ng/ul

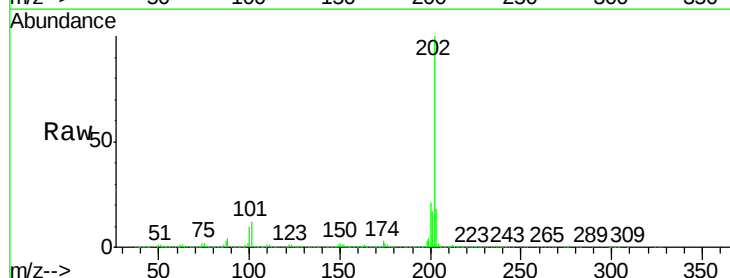
RT: 19.45 min Scan# 2867

Delta R.T. 0.01 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

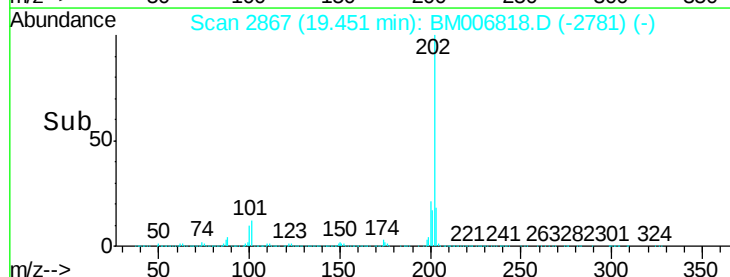
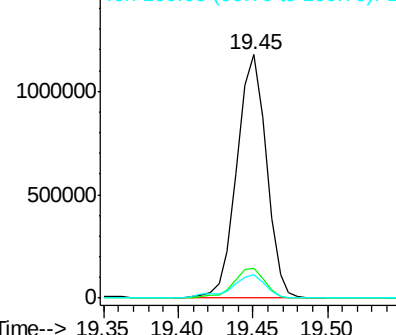
Tgt Ion:	202	Resp:	1608182
Ion Ratio	Lower	Upper	
202	100		
101	12.0	9.8	14.8
100	9.6	9.3	13.9

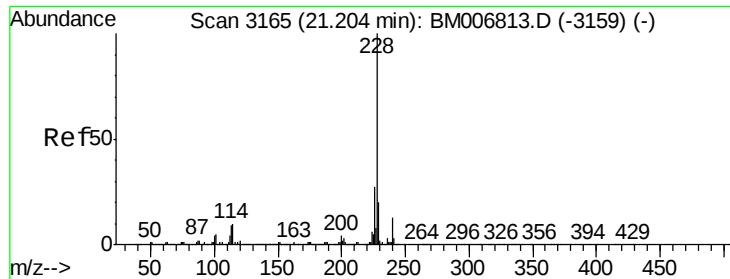


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 7.13 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Instrument :

BNA_M

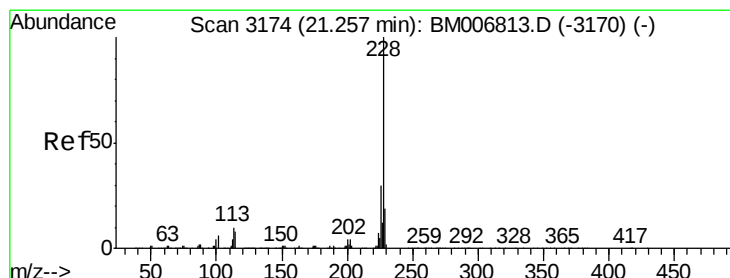
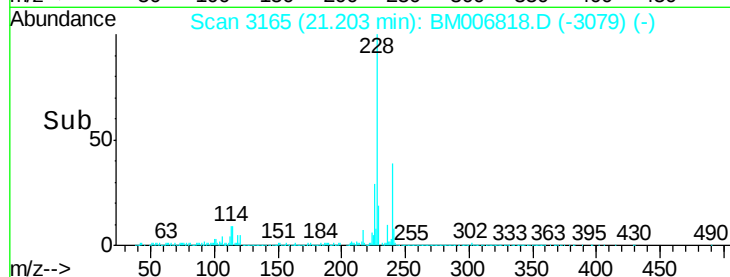
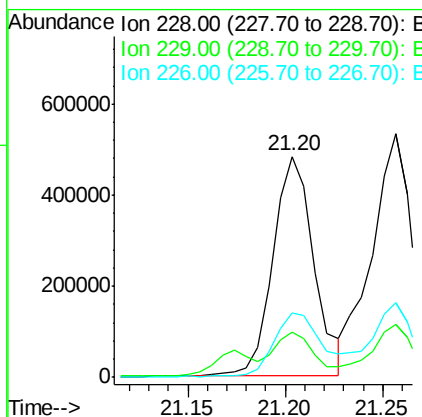
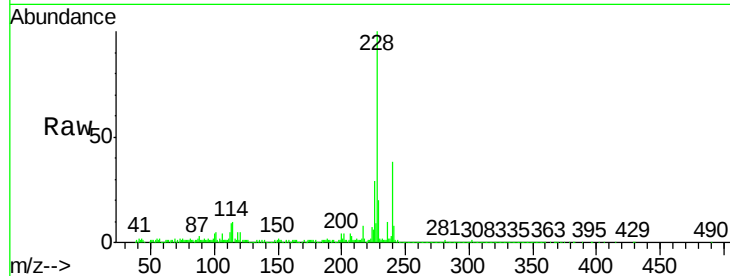
ClientSampleId :

D9ZQ2

Tgt Ion:	228	Resp:	694391
Ion Ratio	Lower	Upper	
228	100		
229	20.4	16.6	25.0
226	29.0	21.0	31.4

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#33

Chrysene

Concen: 8.43 ng/ul

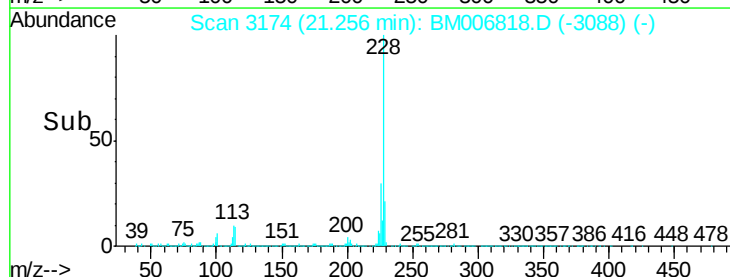
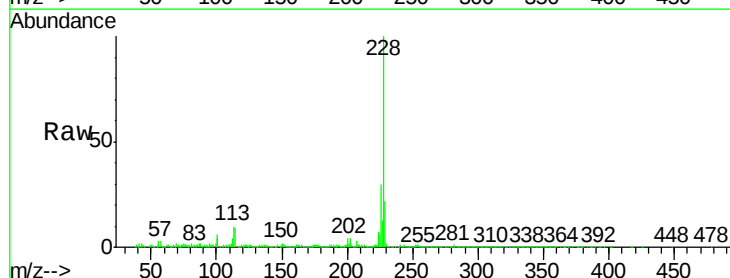
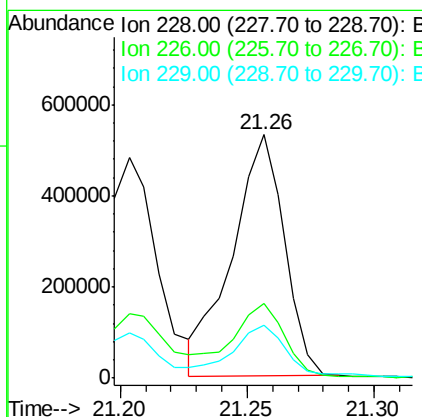
RT: 21.26 min Scan# 3174

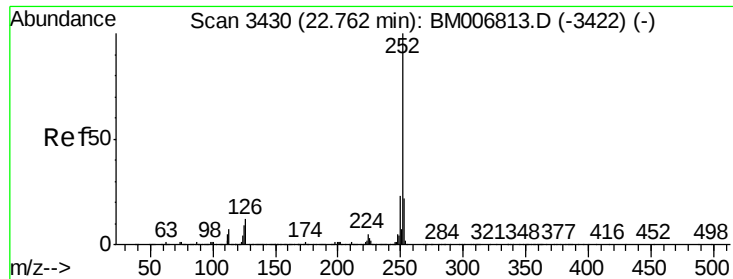
Delta R.T. 0.01 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Tgt Ion:	228	Resp:	757369
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.4	35.2
229	21.7	16.2	24.2





#35

Benzo(b)fluoranthene

Concen: 11.66 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Instrument :

BNA_M

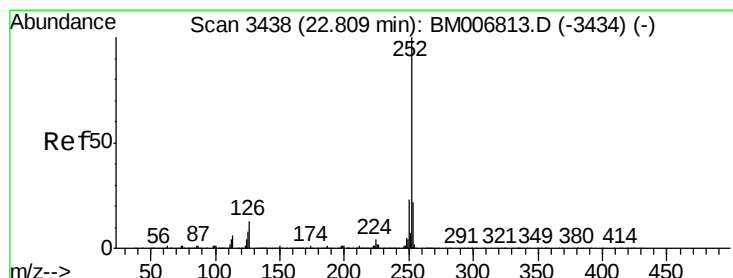
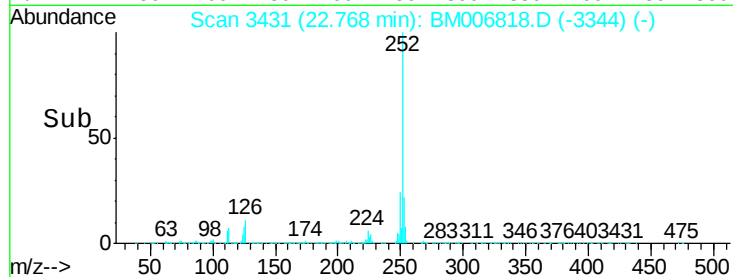
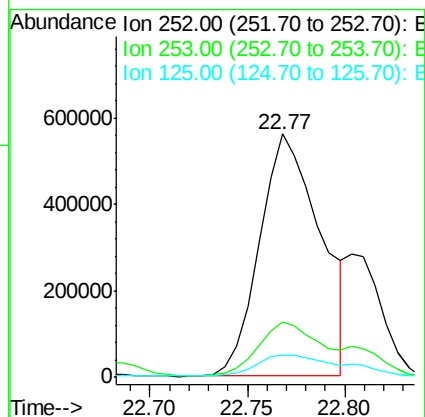
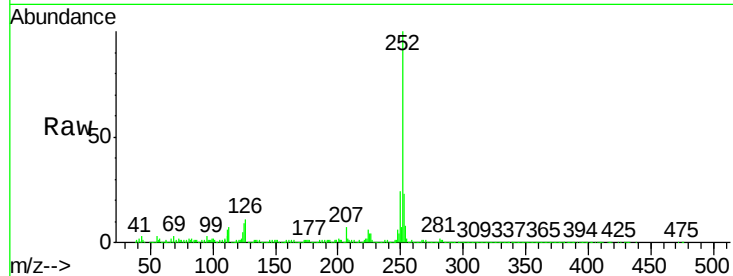
ClientSampleId :

D9ZQ2

Tgt Ion:	252	Resp:	1213843
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	9.1	7.6	11.4

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#36

Benzo(k)fluoranthene

Concen: 3.53 ng/ul m

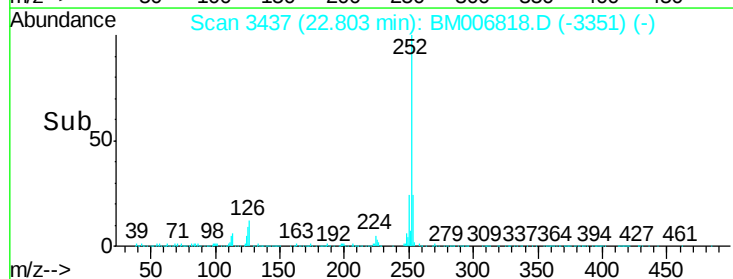
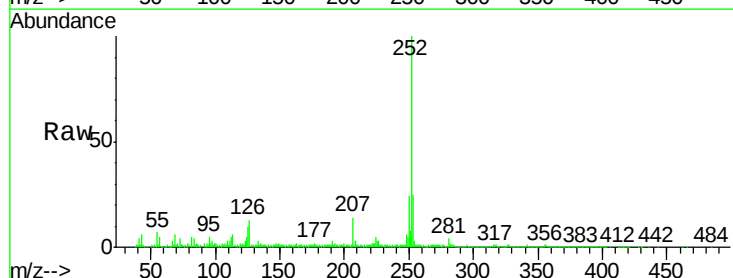
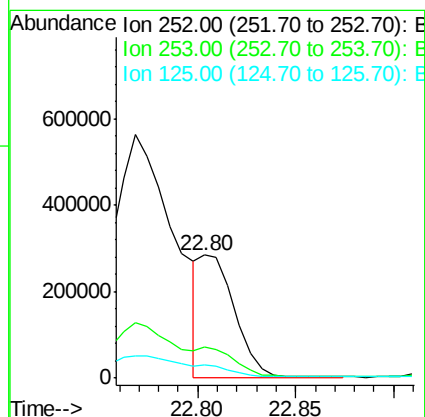
RT: 22.80 min Scan# 3437

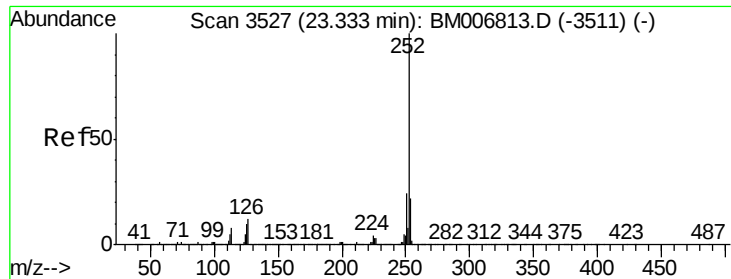
Delta R.T. 0.01 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Tgt Ion:	252	Resp:	355183
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.8	26.8
125	10.5	7.7	11.5





#38

Benzo(a)pyrene

Concen: 7.56 ng/ul

RT: 23.33 min Scan# 3527

Delta R.T. 0.01 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Instrument :

BNA_M

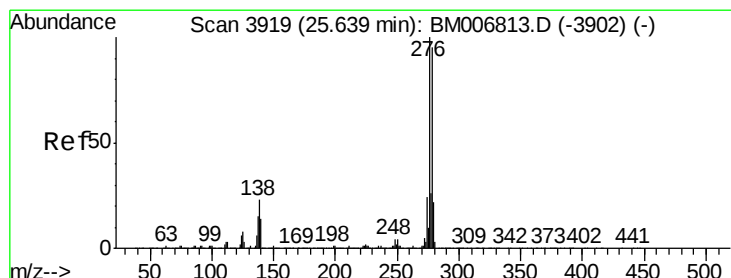
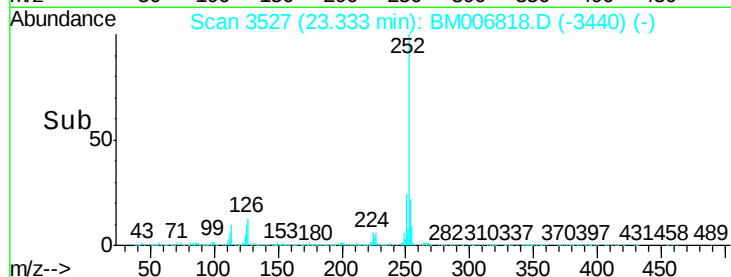
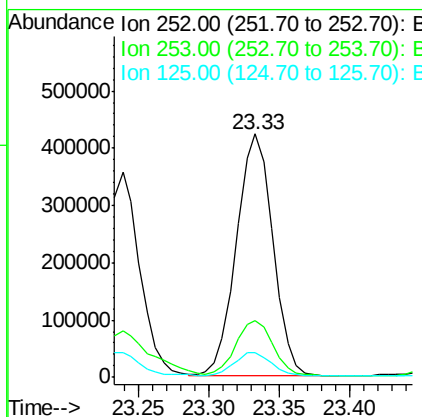
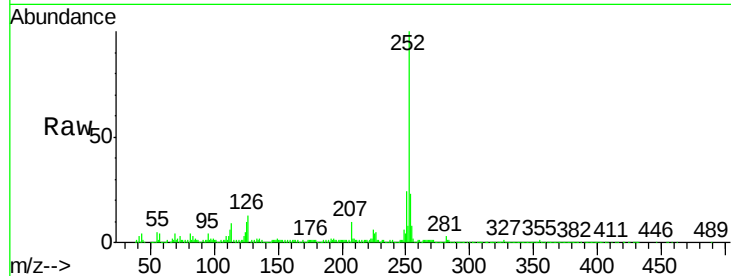
ClientSampleId :

D9ZQ2

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	766649		
253	23.3	17.4	26.0	
125	10.3	8.2	12.2	

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#39

Indeno(1,2,3-cd)pyrene

Concen: 5.93 ng/ul

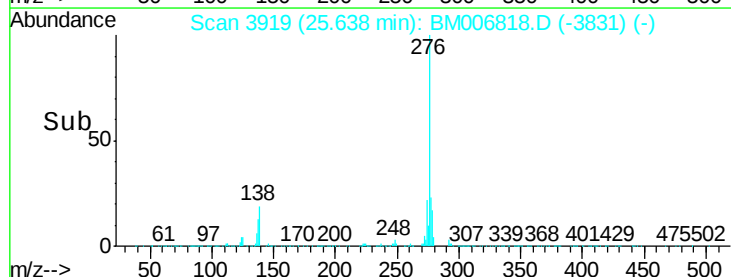
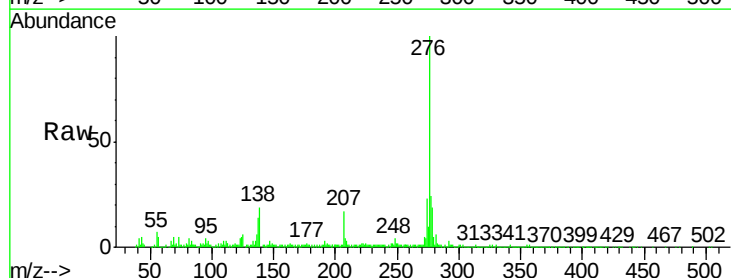
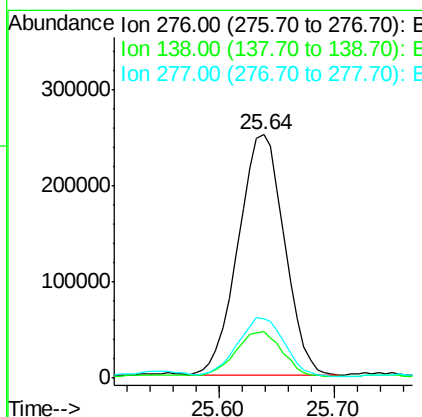
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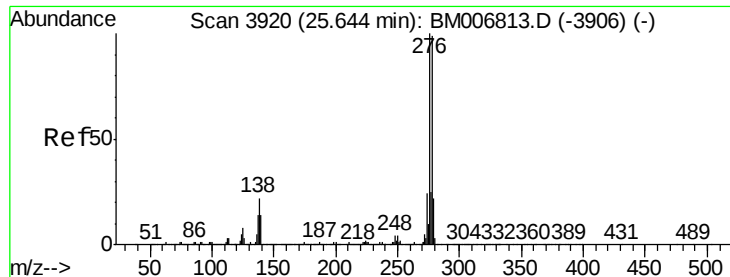
Delta R.T. 0.02 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	695722		
138	19.3	15.8	23.6	
277	24.3	19.0	28.6	





#40

Dibenzo(a,h)anthracene

Concen: 1.65 ng/ul m

RT: 25.63 min Scan# 3918

Delta R.T. 0.01 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Instrument :

BNA_M

ClientSampleId :

D9ZQ2

Tgt Ion: 278 Resp: 160967

Ion Ratio Lower Upper

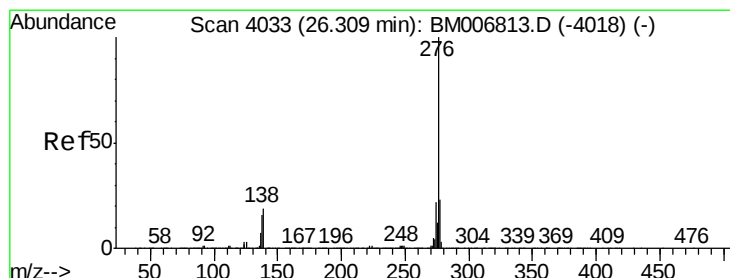
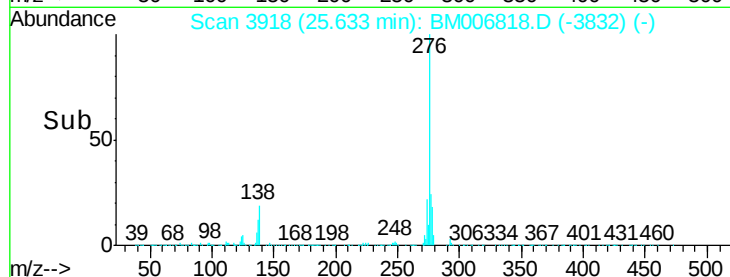
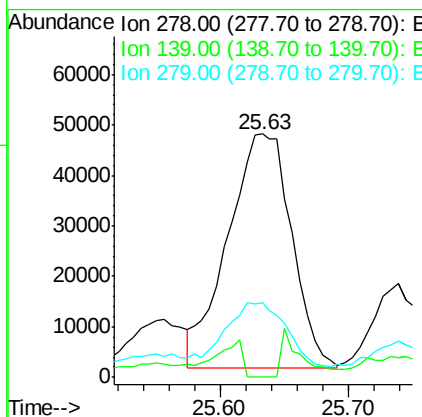
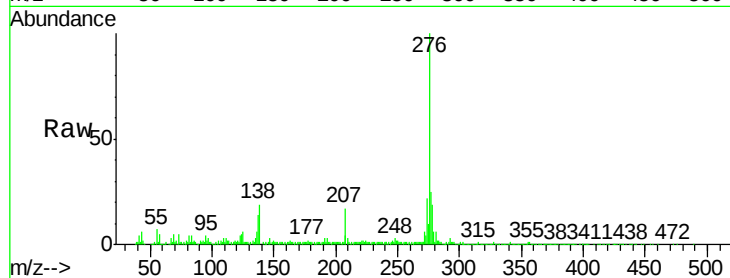
278 100

139 0.0 12.1 18.1#

279 30.5 19.8 29.8#

Manual Integrations
APPROVED

sohil
8/1/2016 7:09:31 PM



#41

Benzo(g,h,i)perylene

Concen: 7.08 ng/ul

RT: 26.31 min Scan# 4034

Delta R.T. 0.02 min

Lab File: BM006818.D

Acq: 01 Aug 2016 09:52

Tgt Ion: 276 Resp: 712216

Ion Ratio Lower Upper

276 100

138 19.9 13.9 20.9

277 25.3 19.8 29.6

