

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005686.D
 Acq On : 07 Jun 2016 01:11
 Operator : UM/SJ
 Sample : H3412-10 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XS9

Manual Integrations
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Quant Time: Jun 07 05:20:48 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 07 04:25:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	115740	20.00	ng/ul	0.01
7) Naphthalene-d8	10.56	136	447653	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.41	164	197232	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.16	188	382173	20.00	ng/ul	0.01
29) Chrysene-d12	21.34	240	385371	20.00	ng/ul	0.01
34) Perylene-d12	23.61	264	420053	20.00	ng/ul	0.02

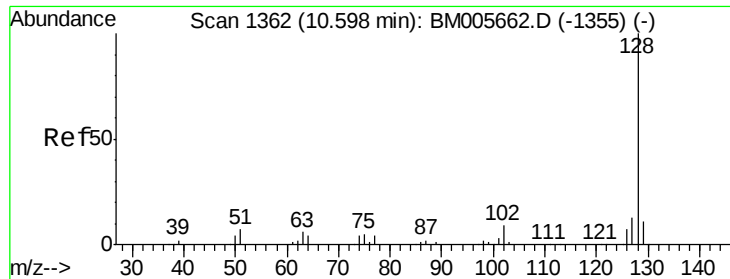
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	1576	0.57	ng/uL	0.00
3) Phenol-d5	6.95	99	55199	5.43	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.10	67	42069	6.79	ng/ul	0.00
5) 2-Chlorophenol-d4	7.30	132	51876	6.18	ng/ul	0.01
6) 4-Methylphenol-d8	8.48	113	39157	4.87	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	23986	6.98	ng/ul	0.00
9) 2-Nitrophenol-d4	9.65	143	22400	6.09	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.19	165	39881	6.10	ng/ul	0.01
12) 4-Chloroaniline-d4	10.70	131	19005	2.45	ng/ul	0.02
16) Dimethylphthalate-d6	13.82	166	114285	7.54	ng/ul	0.00
17) Acenaphthylene-d8	14.10	160	146081	7.41	ng/ul	0.01
20) 4-Nitrophenol-d4	14.65	143	5703m	2.63	ng/ul	0.03
21) Fluorene-d10	15.40	176	98126	7.53	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
26) Anthracene-d10	17.25	188	139287	7.67	ng/ul	0.00
30) Pyrene-d10	19.54	212	147208	7.60	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.46	264	147225	7.62	ng/ul	0.02

Target Compounds

						Qvalue
11) Naphthalene	10.60	128	100059	4.40	ng/ul	99
13) 2-Methylnaphthalene	12.22	142	24207	1.53	ng/ul	98
14) 1-Methylnaphthalene	12.44	142	19590	1.26	ng/ul#	89
18) Acenaphthylene	14.13	152	31660	1.55	ng/ul	96
19) Acenaphthene	14.47	153	75215	5.68	ng/ul	95
22) Fluorene	15.46	166	80459	5.61	ng/ul	96
25) Phenanthrene	17.20	178	1006342	47.70	ng/ul	98
27) Anthracene	17.29	178	223341	10.42	ng/ul	100
28) Fluoranthene	19.22	202	1445446	67.04	ng/ul	99
31) Pyrene	19.58	202	1139441	46.86	ng/ul	97
32) Benzo(a)anthracene	21.32	228	619948	27.43	ng/ul	97
33) Chrysene	21.37	228	554507	25.96	ng/ul	96
35) Benzo(b)fluoranthene	22.93	252	849289	33.53	ng/ul	99
36) Benzo(k)fluoranthene	22.97	252	277047m	11.66	ng/ul	
38) Benzo(a)pyrene	23.51	252	564256	23.14	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.91	276	428019	14.84	ng/ul	95
40) Dibenzo(a,h)anthracene	25.91	278	111212	4.59	ng/ul#	82
41) Benzo(g,h,i)perylene	26.61	276	409832	16.93	ng/ul#	94

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



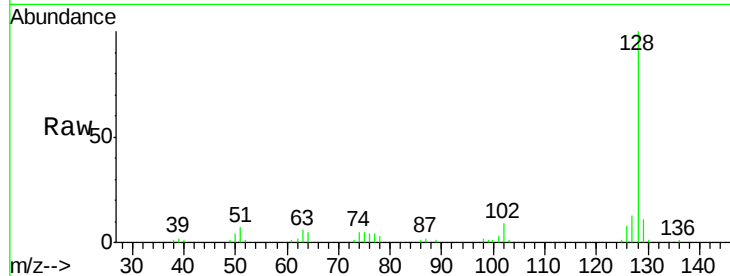
#11
Naphthalene
Concen: 4.40 ng/ul
RT: 10.60 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Instrument :
BNA_M
ClientSampled :
D9XS9

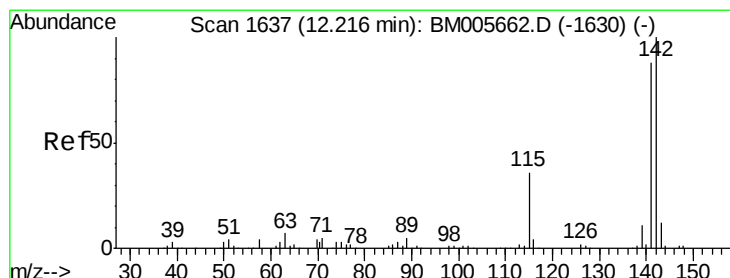
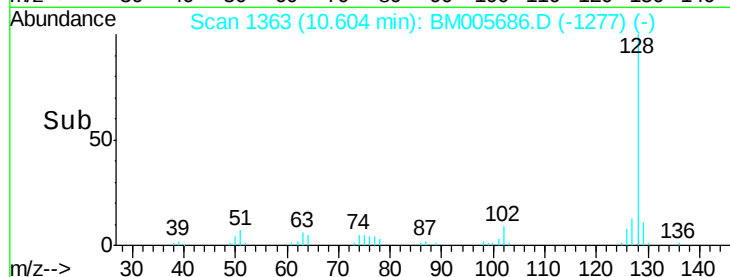
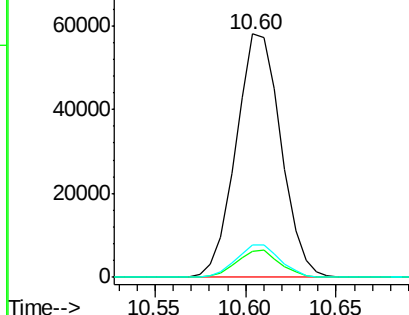
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.3	12.5
127	13.4	10.8	16.2

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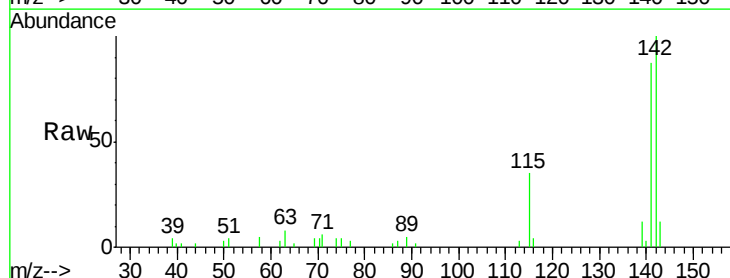


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

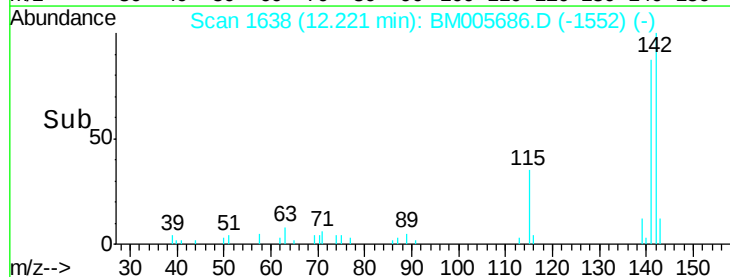
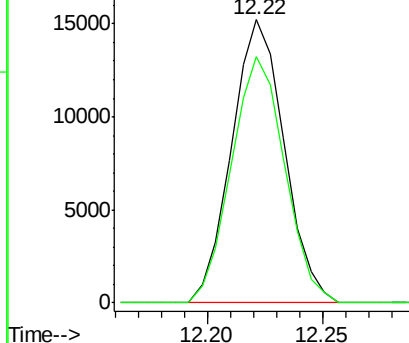


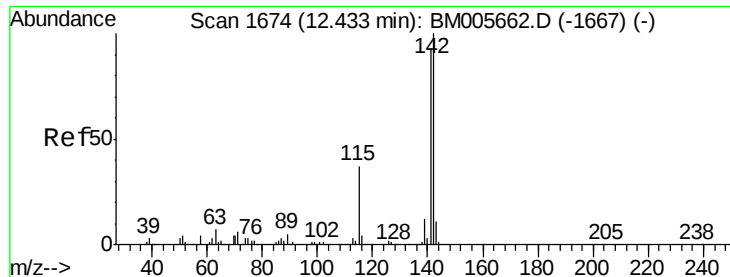
#13
2-Methylnaphthalene
Concen: 1.53 ng/ul
RT: 12.22 min Scan# 1638
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.3	106.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





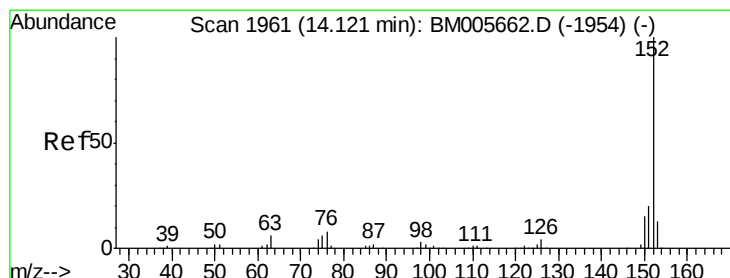
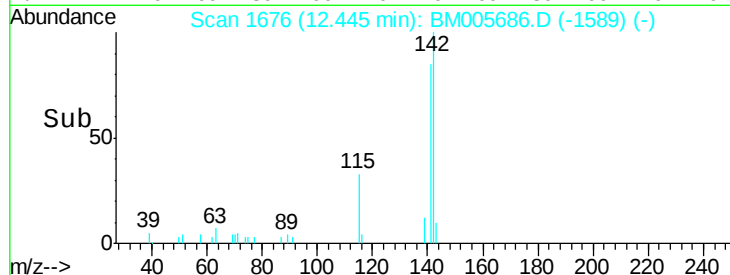
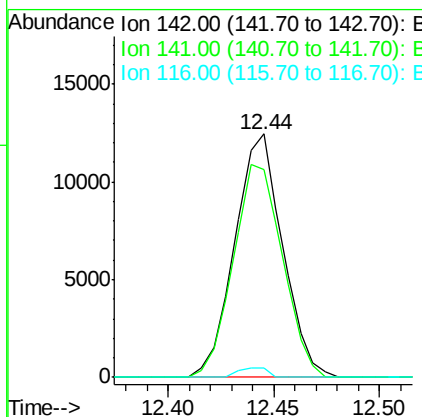
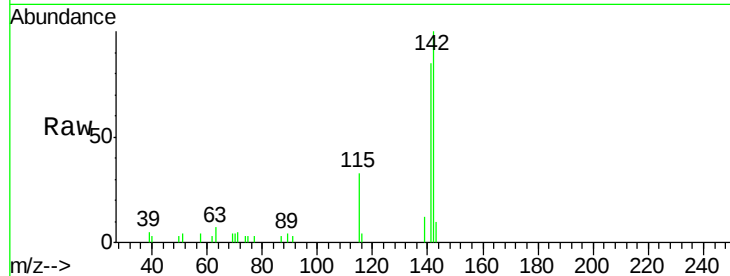
#14
1-Methylnaphthalene
Concen: 1.26 ng/ul
RT: 12.44 min Scan# 1676
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9XS9

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	19590		
141	85.1	77.0	115.4	
116	3.7	4.2	6.4	

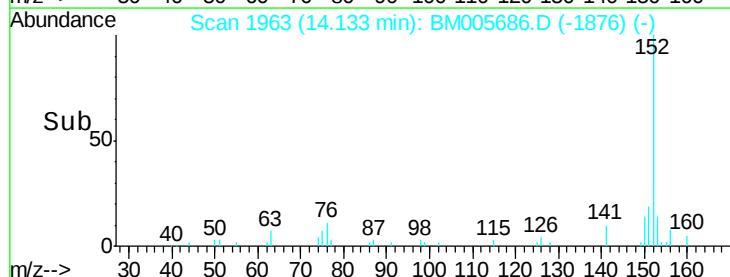
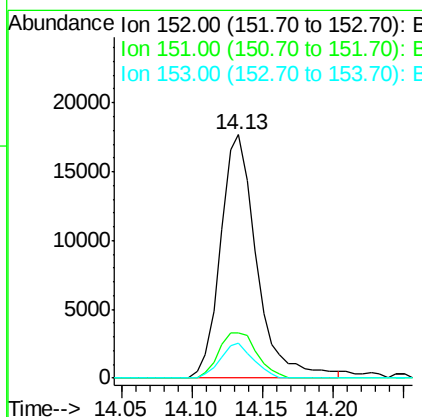
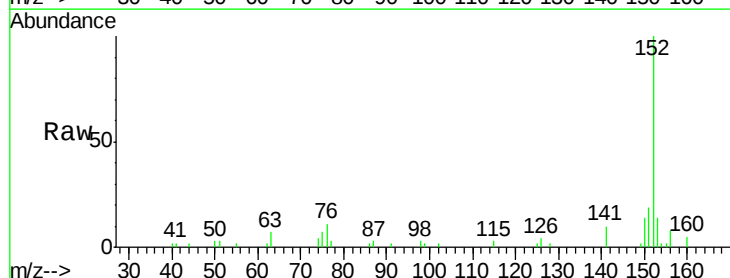
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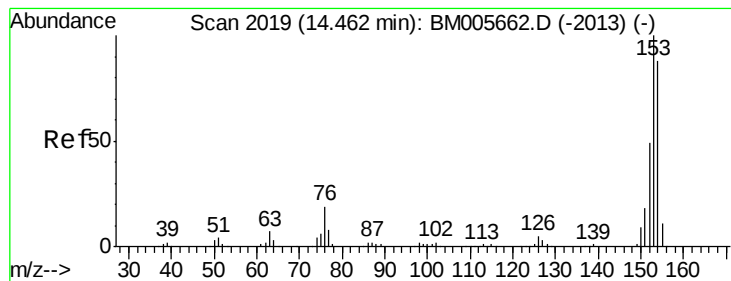
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#18
Acenaphthylene
Concen: 1.55 ng/ul
RT: 14.13 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	31660		
151	18.7	17.3	25.9	
153	14.5	11.1	16.7	





#19

Acenaphthene

Concen: 5.68 ng/ul

RT: 14.47 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BM005686.D

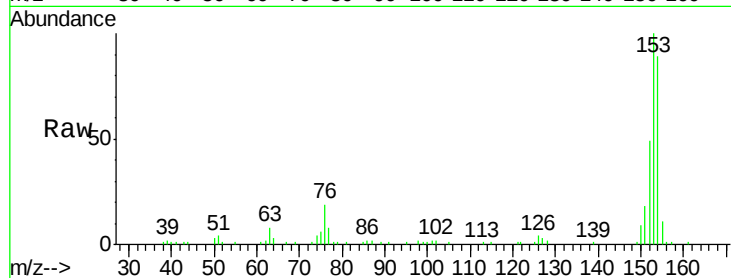
Acq: 07 Jun 2016 01:11

Instrument :

BNA_M

ClientSampleId :

D9XS9



Tgt Ion:153 Resp: 75215

Ion Ratio Lower Upper

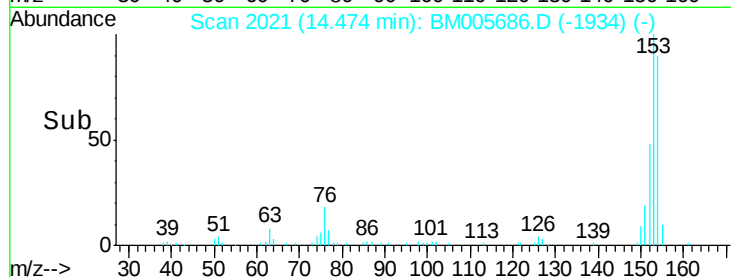
153 100

152 48.6 36.5 54.7

154 88.7 67.3 100.9

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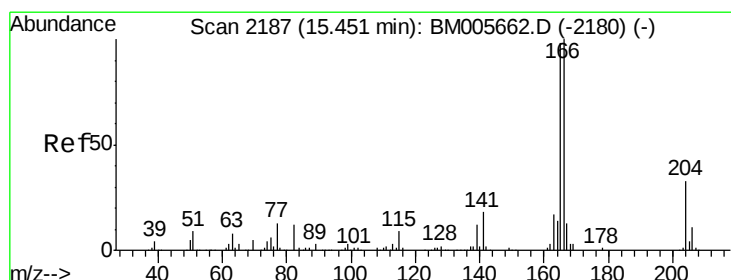
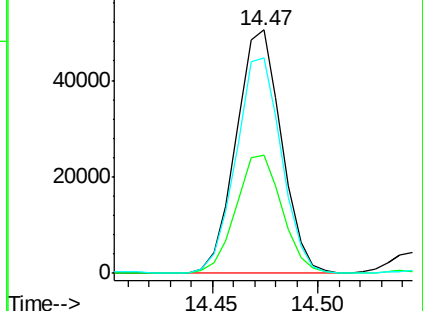
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#22

Fluorene

Concen: 5.61 ng/ul

RT: 15.46 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

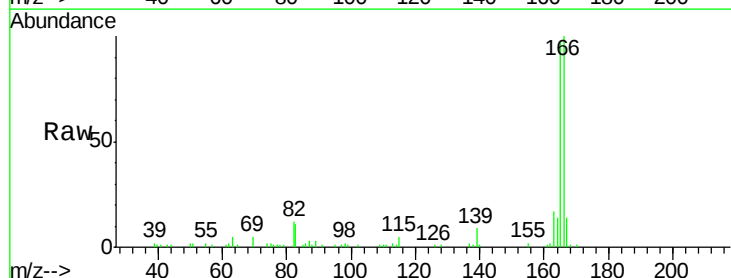
Tgt Ion:166 Resp: 80459

Ion Ratio Lower Upper

166 100

165 97.2 81.1 121.7

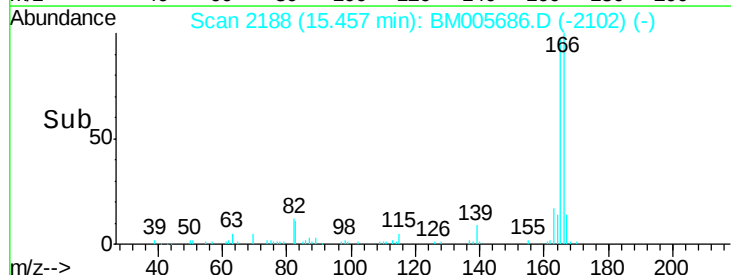
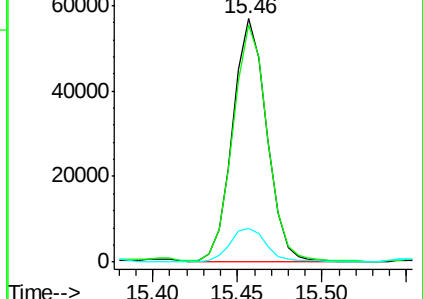
167 13.9 10.6 16.0

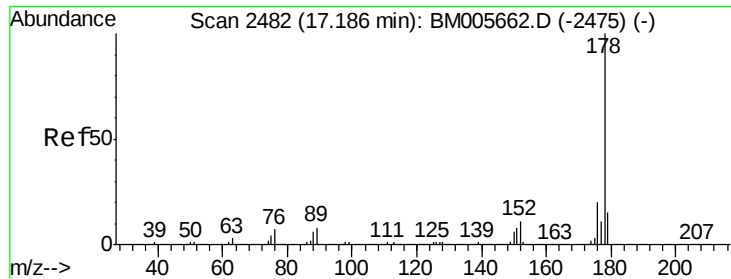


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





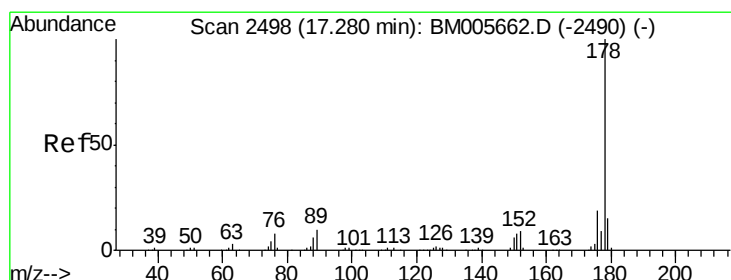
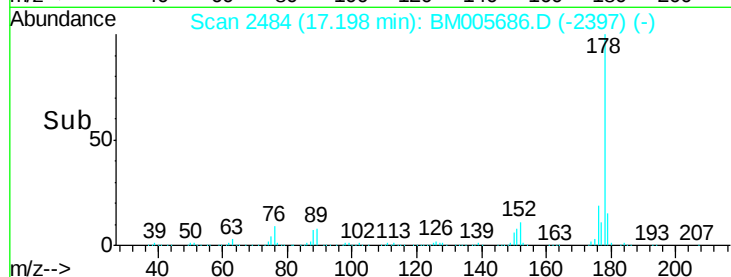
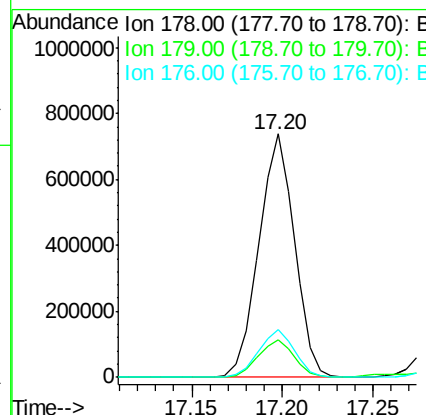
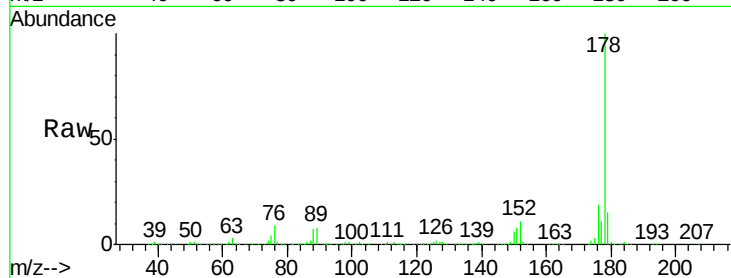
#25
Phenanthrene
Concen: 47.70 ng/ul
RT: 17.20 min Scan# 2484
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9XS9

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.8
176	19.5	14.8	22.2

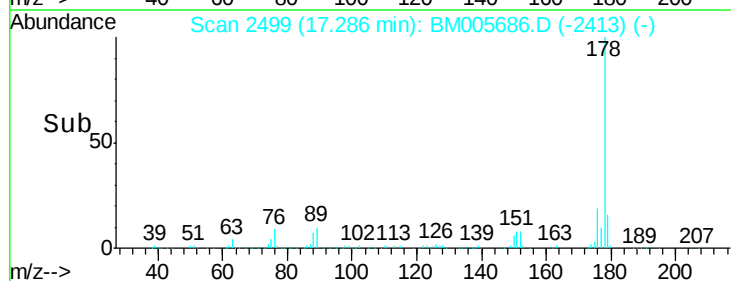
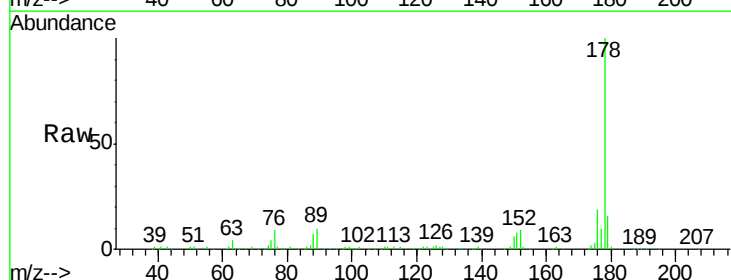
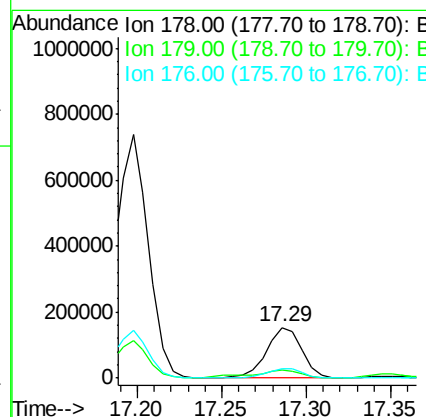
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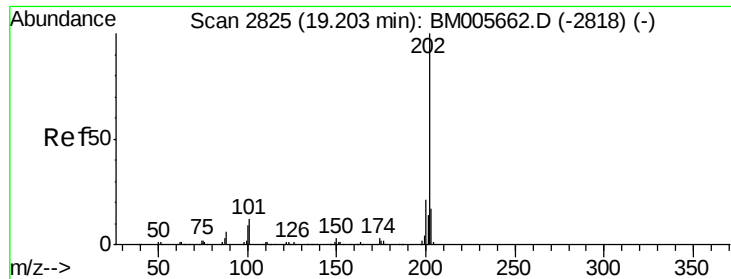
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#27
Anthracene
Concen: 10.42 ng/ul
RT: 17.29 min Scan# 2499
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.9	19.3
176	19.4	15.6	23.4





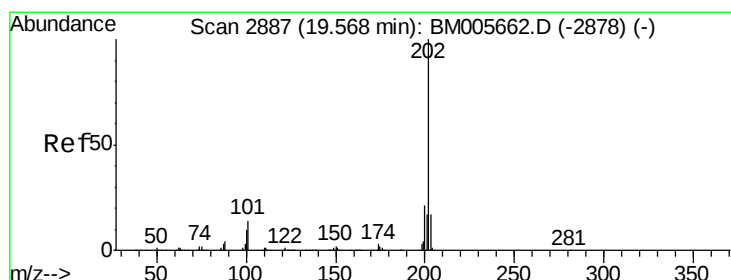
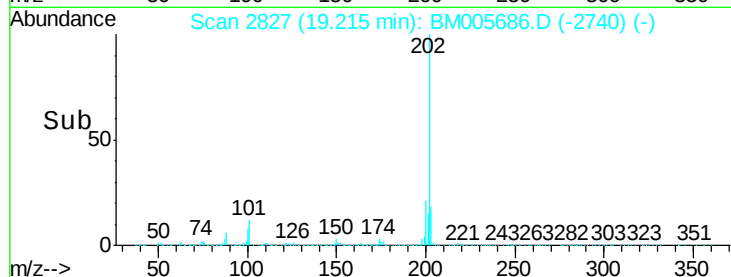
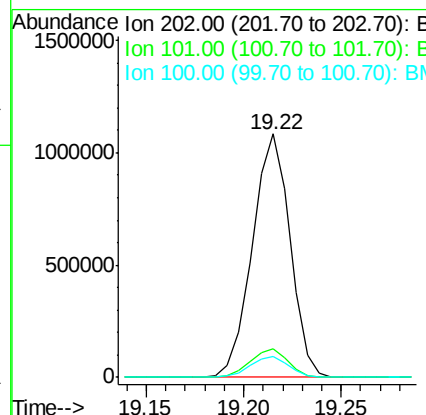
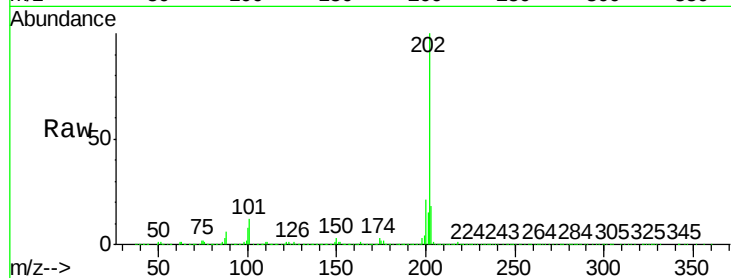
#28
Fluoranthene
Concen: 67.04 ng/ul
RT: 19.22 min Scan# 2827
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9XS9

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	8.9	13.3
100	8.5	7.0	10.4

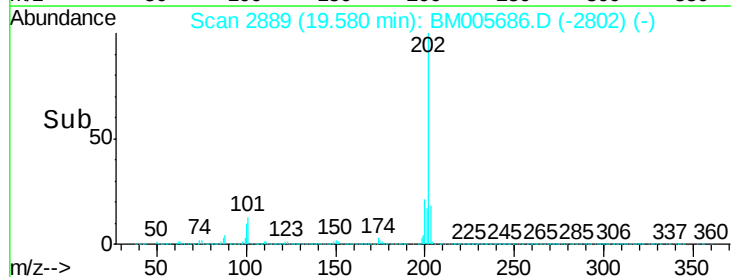
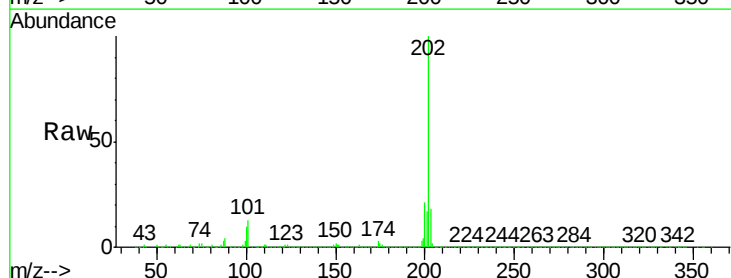
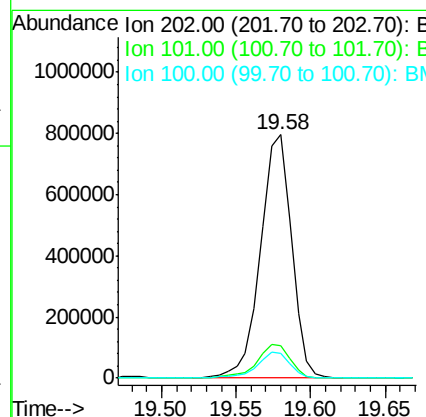
Manual Integrations
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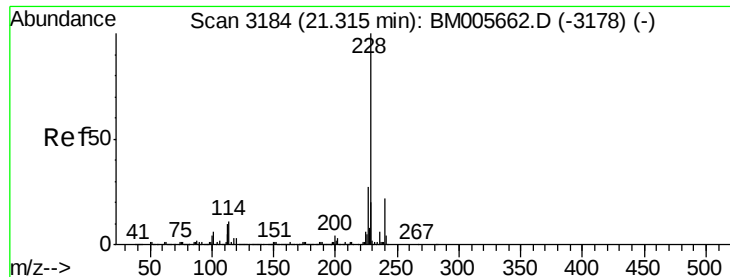
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#31
Pyrene
Concen: 46.86 ng/ul
RT: 19.58 min Scan# 2889
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.8	14.8
100	10.4	9.3	13.9





#32

Benzo(a)anthracene

Concen: 27.43 ng/ul

RT: 21.32 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

Instrument :

BNA_M

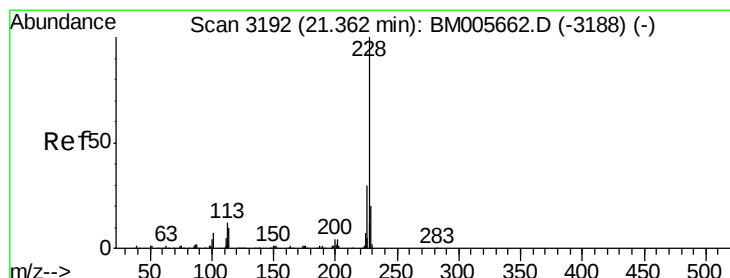
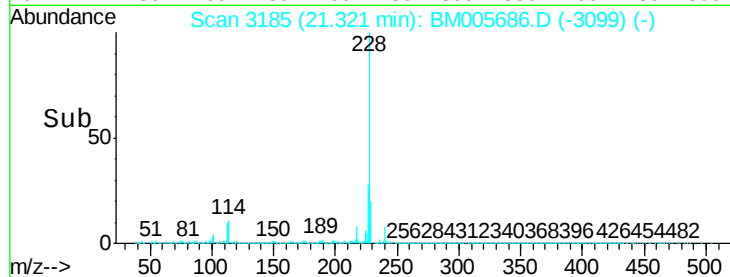
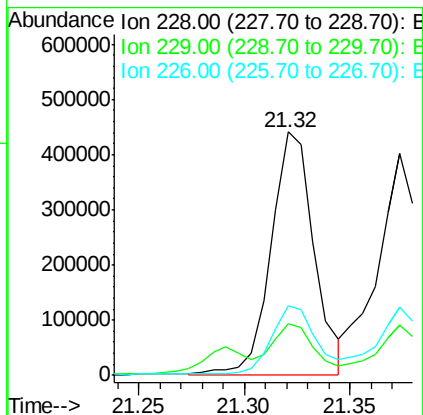
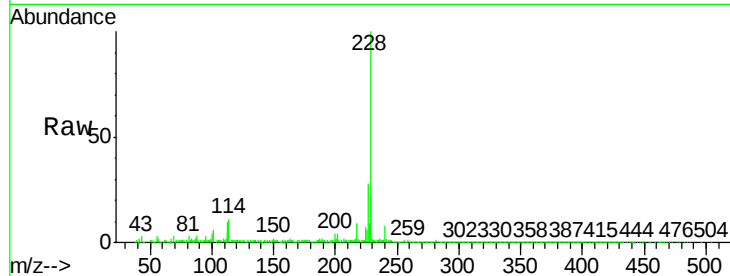
ClientSampleId :

D9XS9

Tgt Ion:	228	Resp:	619948
Ion Ratio	Lower	Upper	
228	100		
229	21.0	16.6	25.0
226	28.4	21.0	31.4

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#33

Chrysene

Concen: 25.96 ng/ul

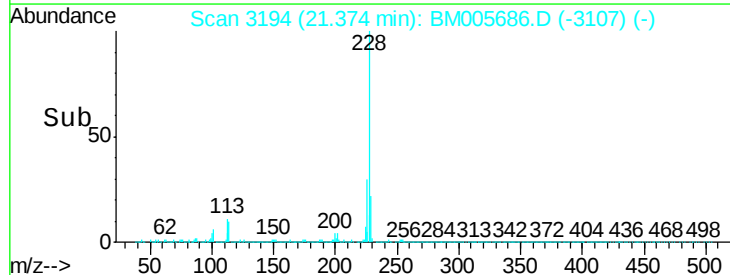
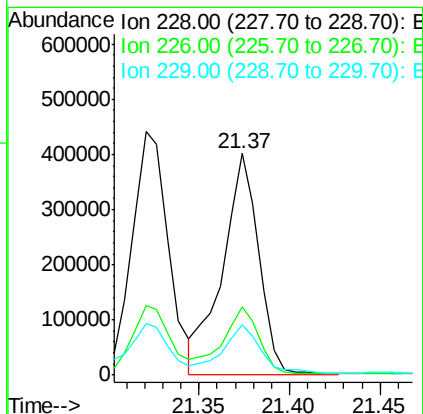
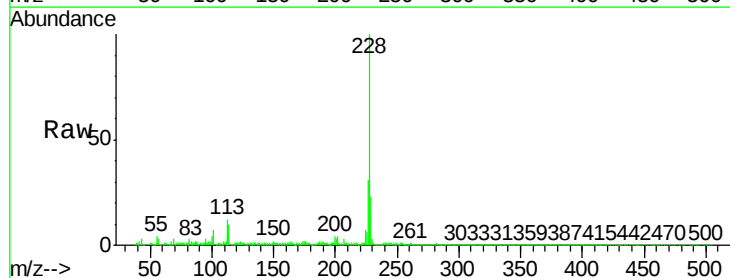
RT: 21.37 min Scan# 3194

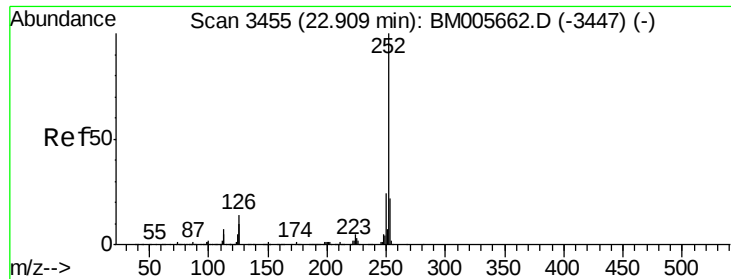
Delta R.T. 0.01 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

Tgt Ion:	228	Resp:	554507
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.4	35.2
229	22.6	16.2	24.2





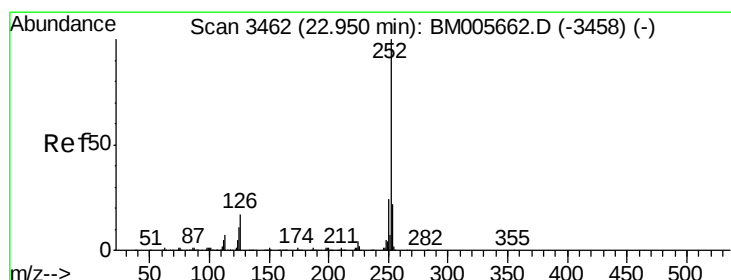
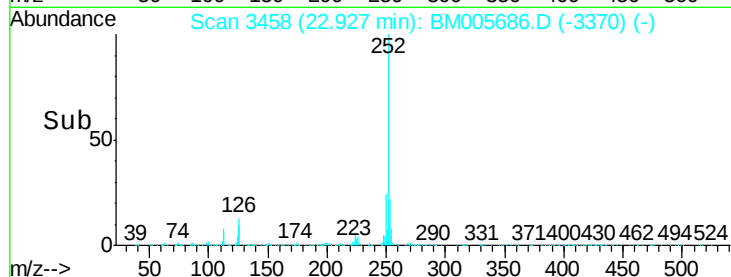
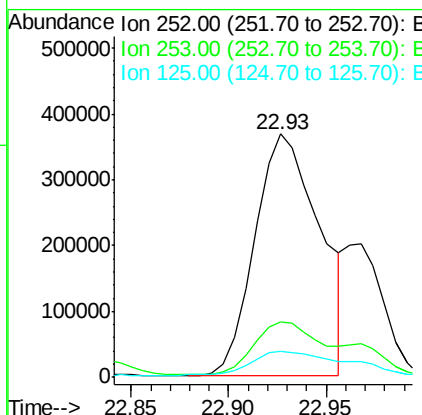
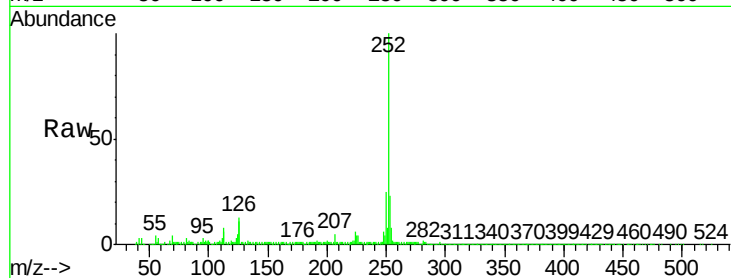
#35
Benzo(b)fluoranthene
Concen: 33.53 ng/ul
RT: 22.93 min Scan# 3458
Delta R.T. 0.02 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9XS9

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	849289		
253	22.9	18.1	27.1	
125	10.8	7.6	11.4	

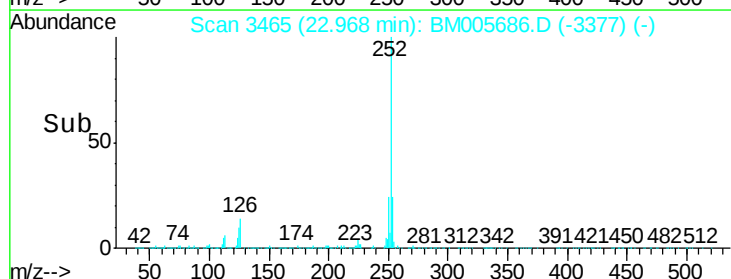
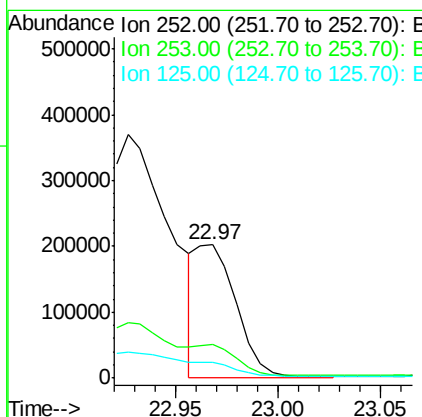
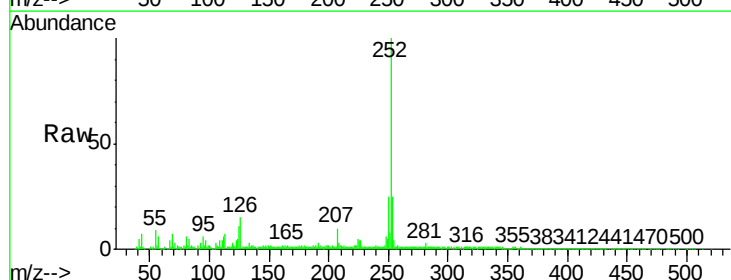
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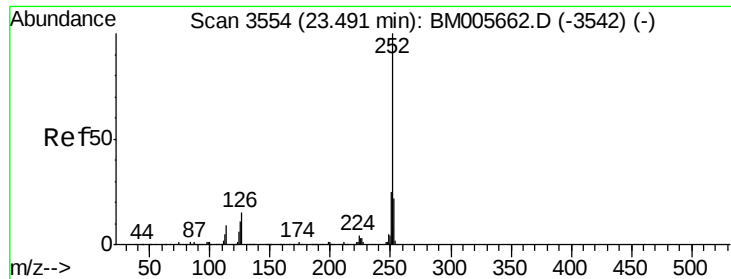
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#36
Benzo(k)fluoranthene
Concen: 11.66 ng/ul m
RT: 22.97 min Scan# 3465
Delta R.T. 0.02 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	277047		
253	25.2	17.8	26.8	
125	11.4	7.7	11.5	





#38

Benzo(a)pyrene

Concen: 23.14 ng/ul

RT: 23.51 min Scan# 3557

Delta R.T. 0.02 min

Lab File: BM005686.D

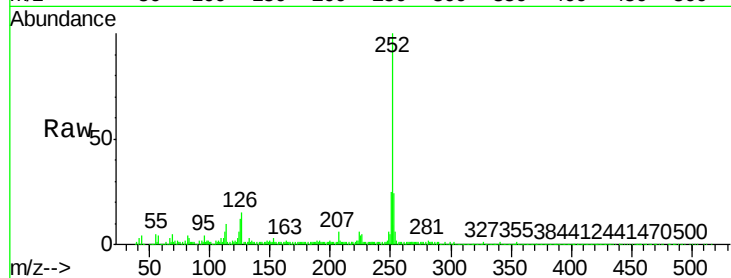
Acq: 07 Jun 2016 01:11

Instrument :

BNA_M

ClientSampleId :

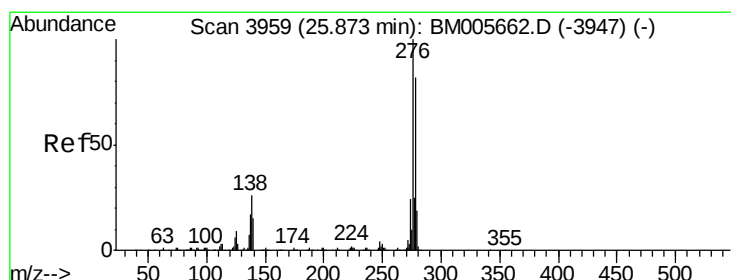
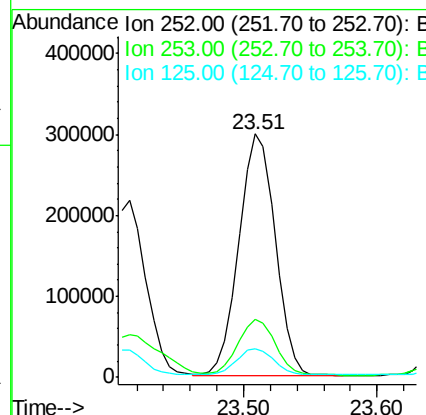
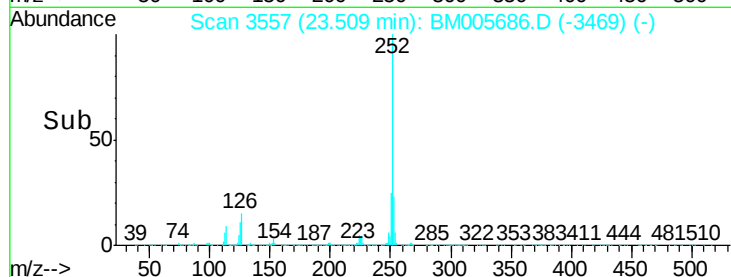
D9XS9



Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.8	17.4	26.0	
125	11.8	8.2	12.2	

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#39

Indeno(1,2,3-cd)pyrene

Concen: 14.84 ng/ul

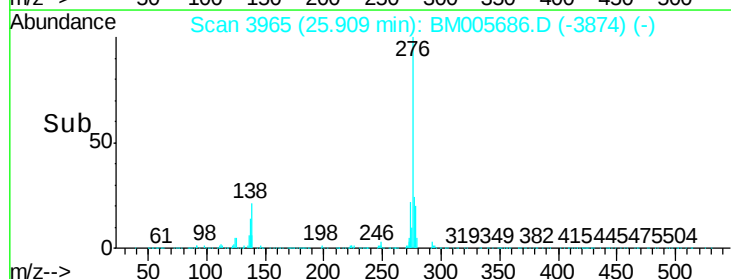
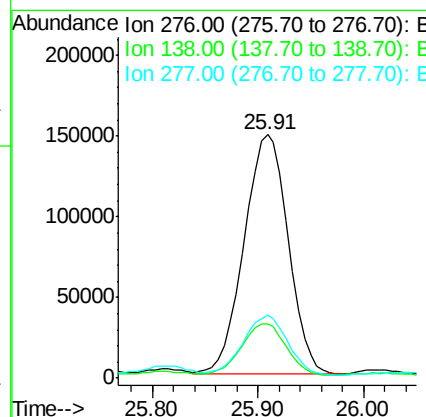
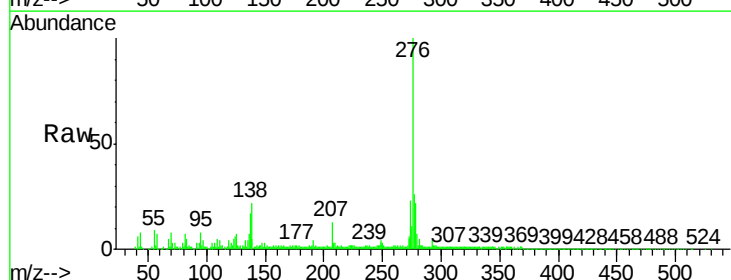
RT: 25.91 min Scan# 3965

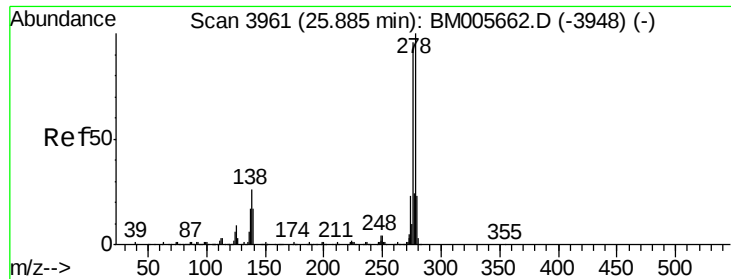
Delta R.T. 0.04 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	22.3	15.8	23.6	
277	26.1	19.0	28.6	





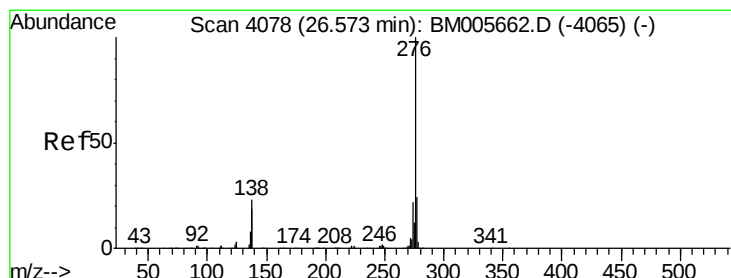
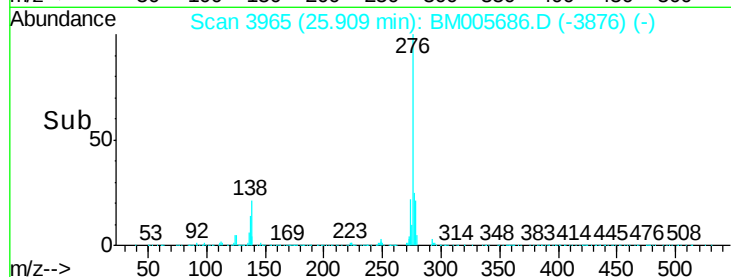
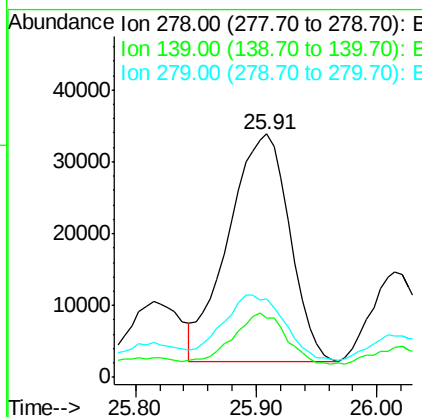
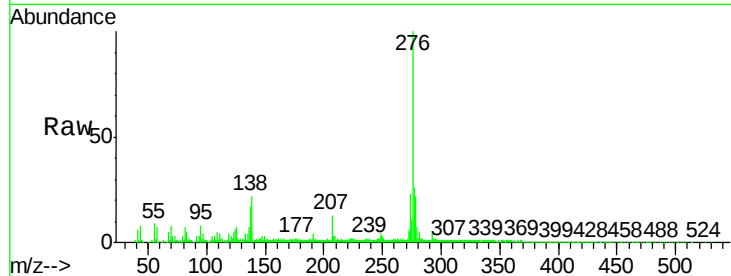
#40
Dibenzo(a,h)anthracene
Concen: 4.59 ng/ul
RT: 25.91 min Scan# 3965
Delta R.T. 0.02 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9XS9

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.4	12.1	18.1#
279	32.1	19.8	29.8#

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#41
Benzo(g,h,i)perylene
Concen: 16.93 ng/ul
RT: 26.61 min Scan# 4085
Delta R.T. 0.04 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	13.9	20.9#
277	25.5	19.8	29.6

