

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
 Data File : BM010484.D
 Acq On : 10 Jun 2017 14:22
 Operator : SJ/MA
 Sample : I3521-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C57

Manual Integrations
 APPROVED

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 6/12/2017 3:40:41 PM

Quant Time: Jun 12 06:34:41 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 12 04:15:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	178847	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	672660	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	437262	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1056685	20.00	ng/ul	0.00
75) Chrysene-d12	21.45	240	1424001	20.00	ng/ul	0.00
83) Perylene-d12	23.79	264	1367149	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	15435	3.54	ng/uL	0.00
5) Phenol-d5	7.08	99	289077	21.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.24	67	168396	22.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	254976	23.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	245986	22.50	ng/ul	0.00
19) Nitrobenzene-d5	9.09	128	125955	25.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	152766	26.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	297210	25.35	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	332122	29.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.95	166	1010019	27.80	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	1123285	26.50	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	121942	22.43	ng/ul	0.00
57) Fluorene-d10	15.53	176	844165	26.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.66	200	161163	21.53	ng/ul	0.01
70) Anthracene-d10	17.39	188	1398825	27.21	ng/ul	0.00
76) Pyrene-d10	19.67	212	1741950	29.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.63	264	1668361	26.21	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	7.11	94	20849	1.501	ng/ul#	90
28) Naphthalene	10.76	128	16702439	495.051	ng/ul#	89
34) 2-Methylnaphthalene	12.36	142	5914964	231.231	ng/ul	97
40) 1,1'-Biphenyl	13.36	154	1630382	45.962	ng/ul	100
44) Dimethylphthalate	14.00	163	933103	26.116	ng/ul	99
47) Acenaphthylene	14.26	152	160748	3.881	ng/ul#	91
49) Acenaphthene	14.60	153	6408338	220.623	ng/ul	98
53) Dibenzofuran	14.94	168	8480865	197.455	ng/ul	95
58) Fluorene	15.59	166	9717097	275.806	ng/ul	98
69) Phenanthrene	17.33	178	20678164m	366.560	ng/ul	
71) Anthracene	17.42	178	4928016	83.680	ng/ul	98
72) Carbazole	17.70	167	1871314	37.541	ng/ul	99
74) Fluoranthene	19.33	202	15675606m	225.971	ng/ul	
77) Pyrene	19.70	202	12633726	172.169	ng/ul	97
80) Benzo(a)anthracene	21.43	228	3701248	46.092	ng/ul	98
82) Chrysene	21.49	228	2920548	40.233	ng/ul	97
85) Benzo(b)fluoranthene	23.07	252	1906964	23.971	ng/ul	99
86) Benzo(k)fluoranthene	23.11	252	598754m	7.879	ng/ul	
88) Benzo(a)pyrene	23.68	252	1073115	13.609	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.16	276	385484	3.869	ng/ul	97
90) Dibenzo(a,h)anthracene	26.16	278	109473	1.276	ng/ul#	88
91) Benzo(g,h,i)perylene	26.91	276	275325	3.355	ng/ul#	95

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

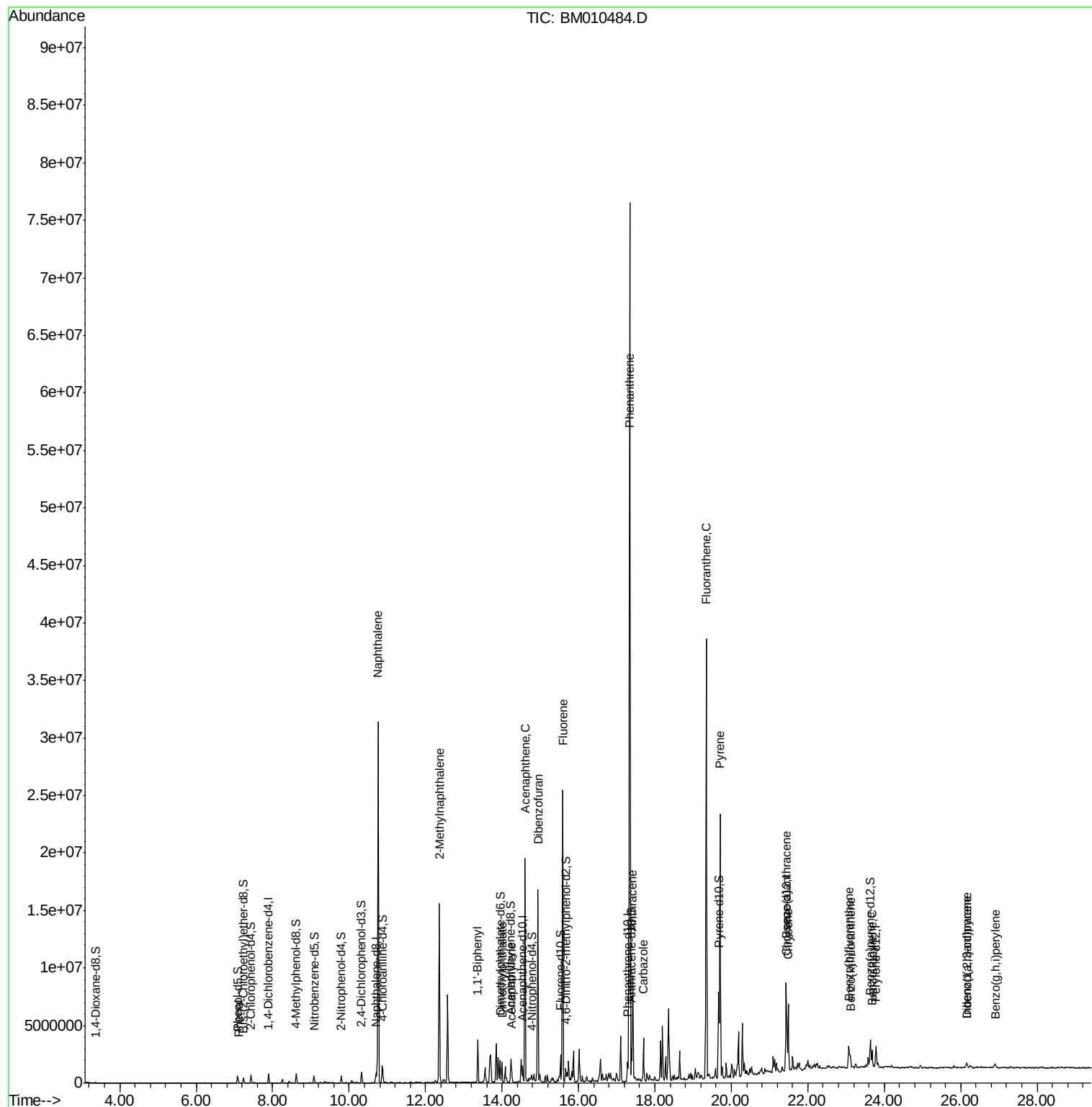
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
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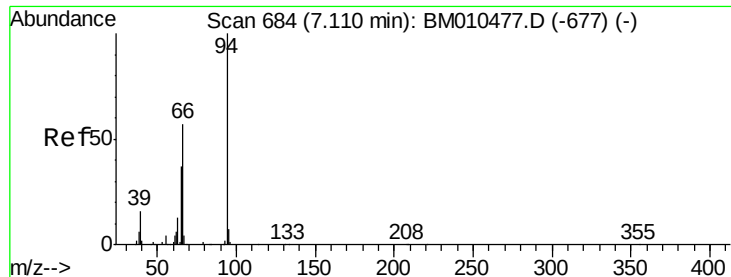
Instrument :
BNA_M
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F5C57

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#6

Phenol

Concen: 1.501 ng/ul

RT: 7.11 min Scan# 684

Delta R.T. 0.00 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Instrument :

BNA_M

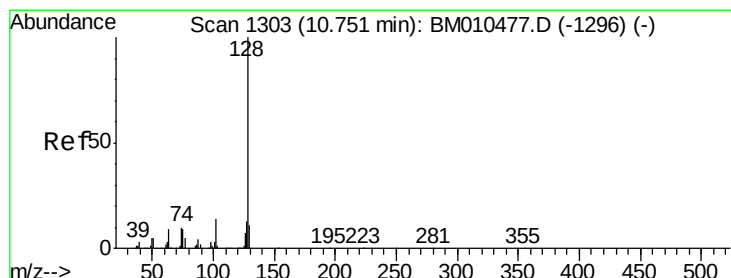
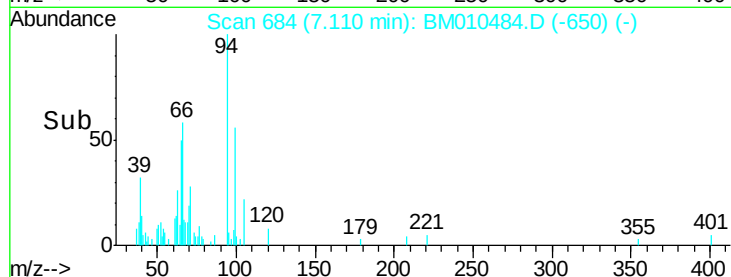
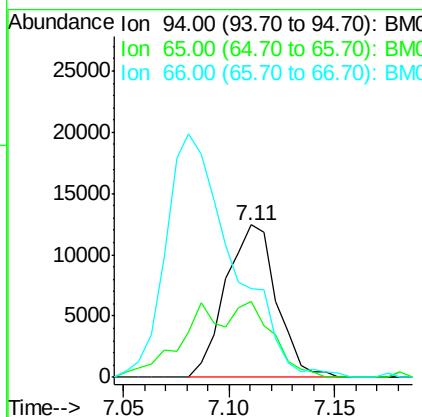
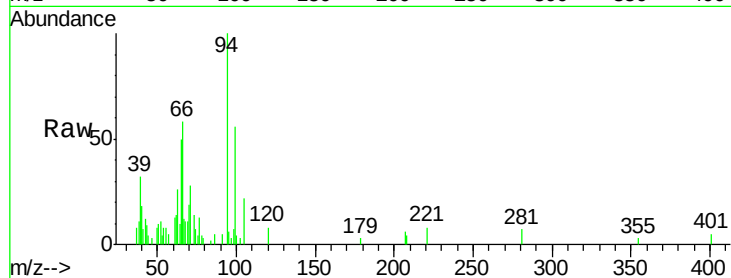
ClientSampleId :

F5C57

Tgt Ion:	94	Resp:	20849
Ion Ratio	Lower	Upper	
94	100		
65	50.0	28.2	42.4#
66	58.1	47.2	70.8

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#28

Naphthalene

Concen: 495.051 ng/ul

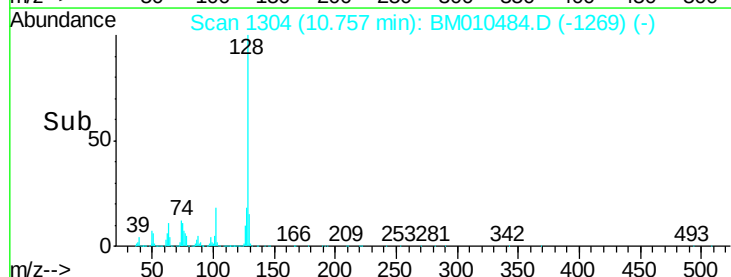
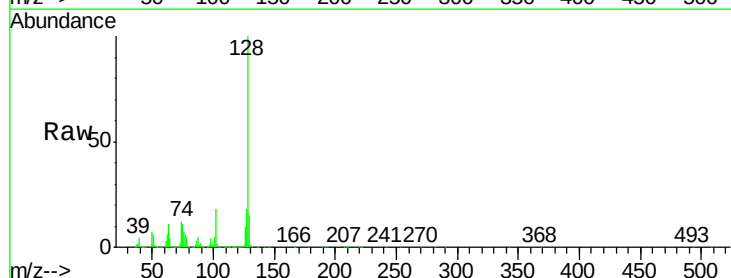
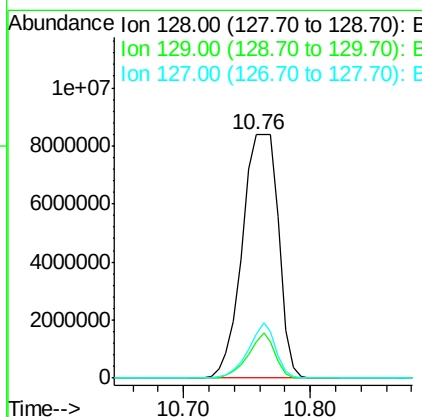
RT: 10.76 min Scan# 1304

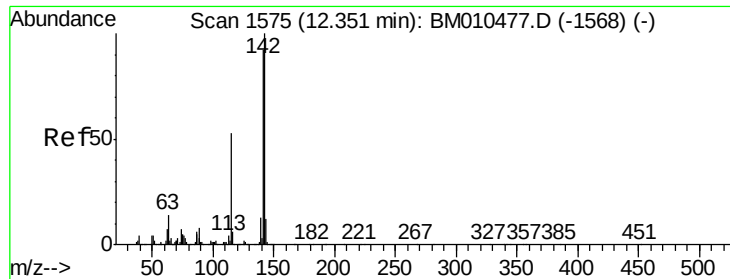
Delta R.T. 0.01 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Tgt Ion:	128	Resp:	16702439
Ion Ratio	Lower	Upper	
128	100		
129	14.8	8.8	13.2#
127	18.0	10.6	16.0#





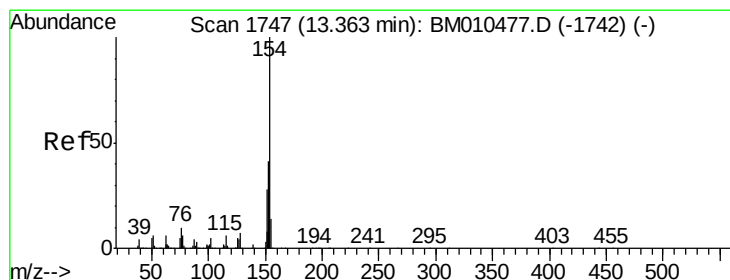
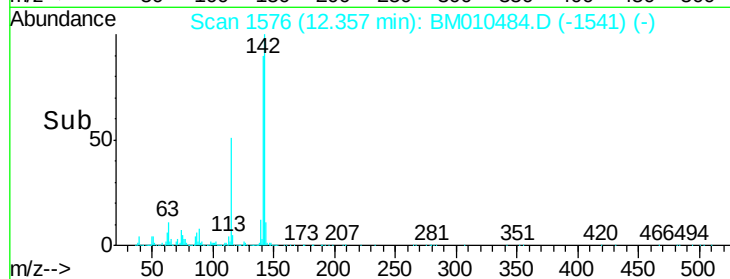
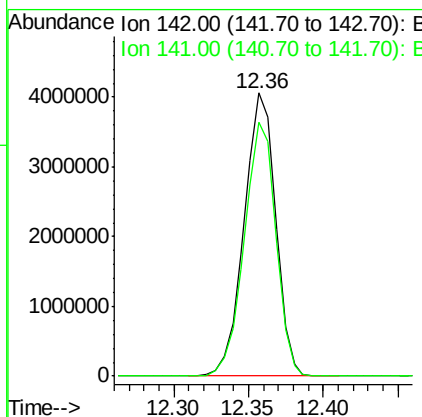
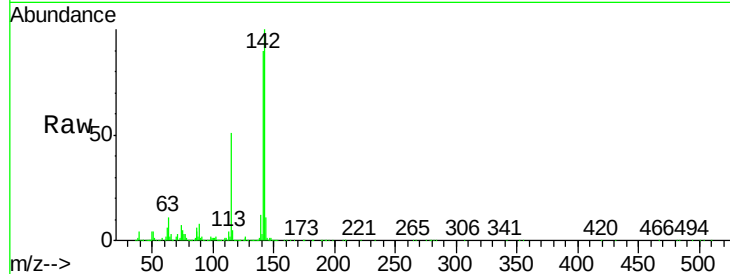
#34
 2-Methylnaphthalene
 Concen: 231.231 ng/ul
 RT: 12.36 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

Instrument :
 BNA_M
 ClientSampleId :
 F5C57

Tgt Ion:142 Resp: 5914964
 Ion Ratio Lower Upper
 142 100
 141 89.7 74.1 111.1

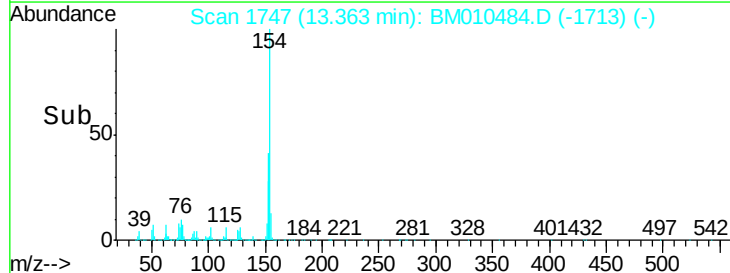
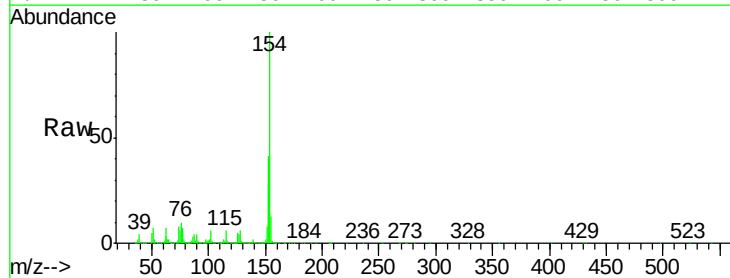
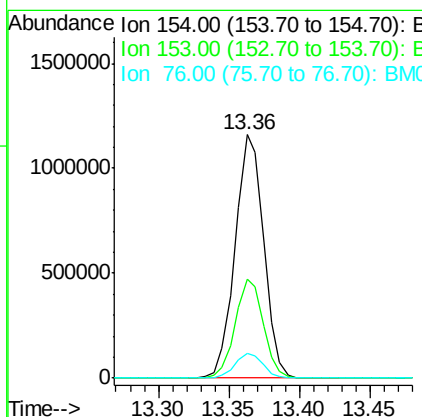
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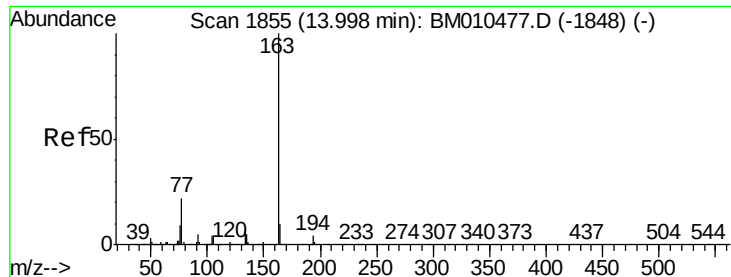
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#40
 1,1'-Biphenyl
 Concen: 45.962 ng/ul
 RT: 13.36 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

Tgt Ion:154 Resp: 1630382
 Ion Ratio Lower Upper
 154 100
 153 40.6 32.6 48.8
 76 10.3 8.5 12.7





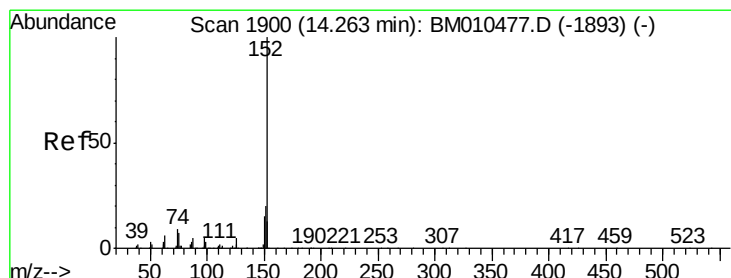
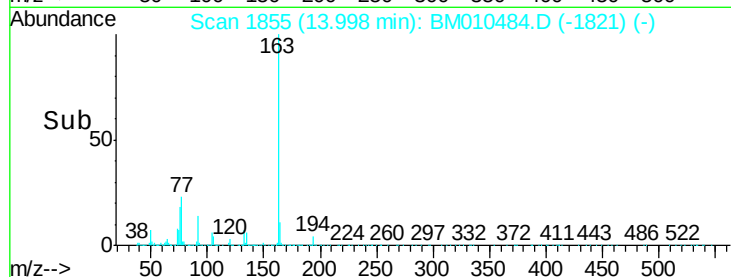
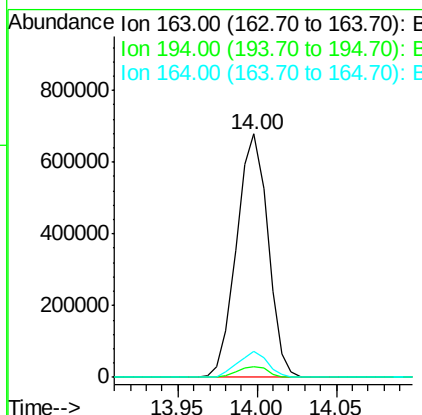
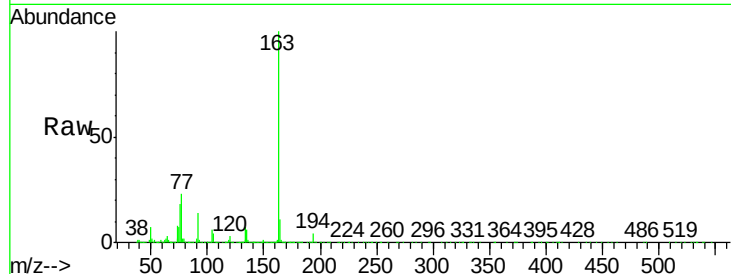
#44
Dimethylphthalate
Concen: 26.116 ng/ul
RT: 14.00 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Instrument :
BNA_M
ClientSampleId :
F5C57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.6	8.2	12.4

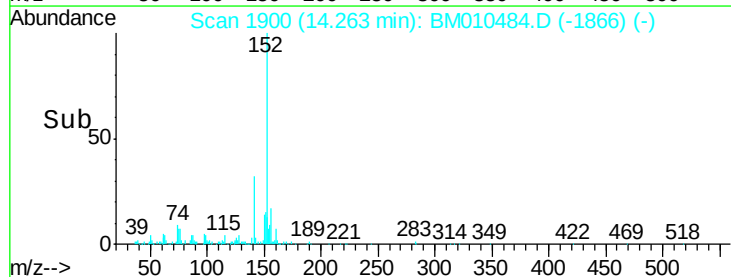
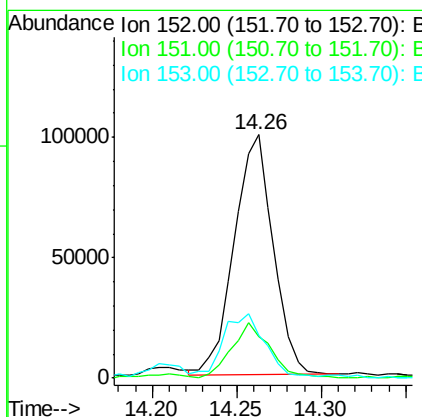
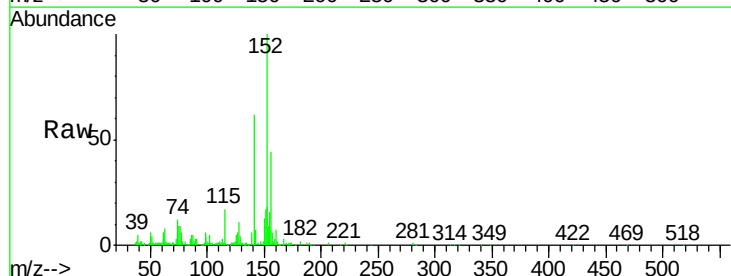
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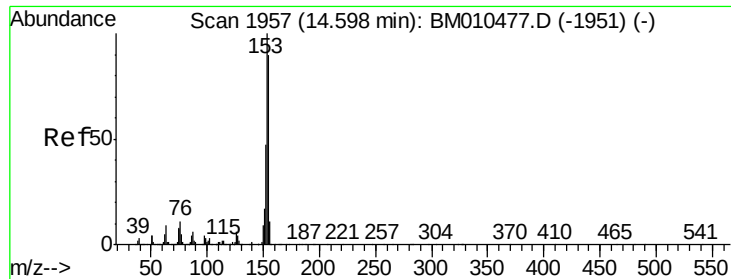
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#47
Acenaphthylene
Concen: 3.881 ng/ul
RT: 14.26 min Scan# 1900
Delta R.T. 0.00 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	16.8	16.3	24.5
153	17.5	10.2	15.4#





#49

Acenaphthene

Concen: 220.623 ng/ul

RT: 14.60 min Scan# 1958

Delta R.T. 0.01 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Instrument :

BNA_M

ClientSampleId :

F5C57

Tgt Ion:153 Resp: 6408338

Ion Ratio Lower Upper

153 100

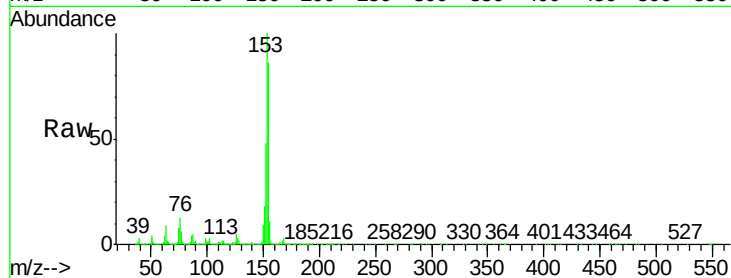
152 48.0 37.6 56.4

154 86.3 70.4 105.6

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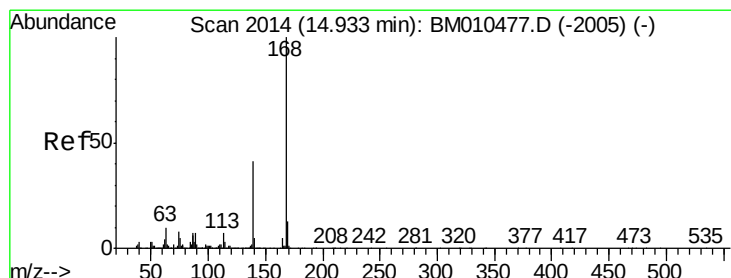
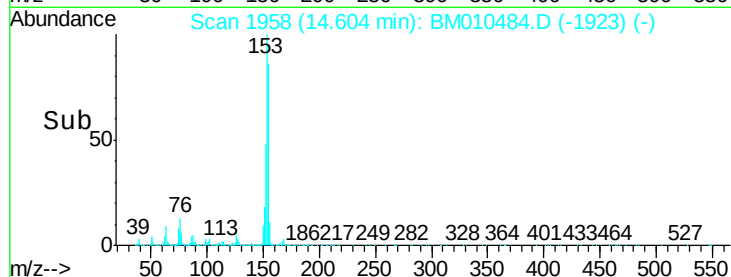
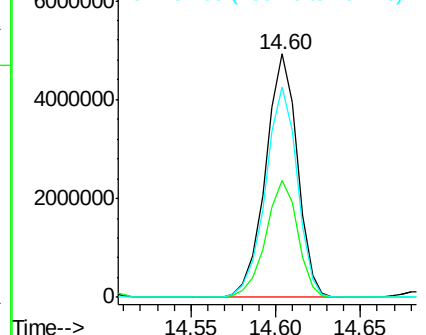
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 197.455 ng/ul

RT: 14.94 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BM010484.D

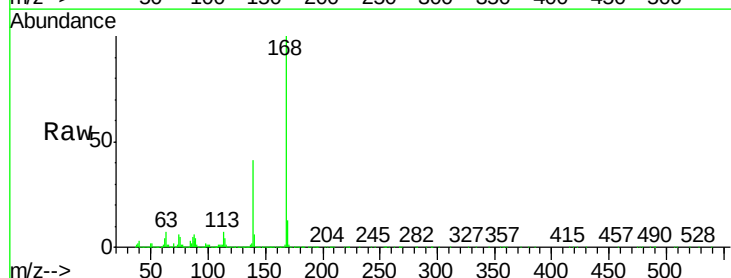
Acq: 10 Jun 2017 14:22

Tgt Ion:168 Resp: 8480865

Ion Ratio Lower Upper

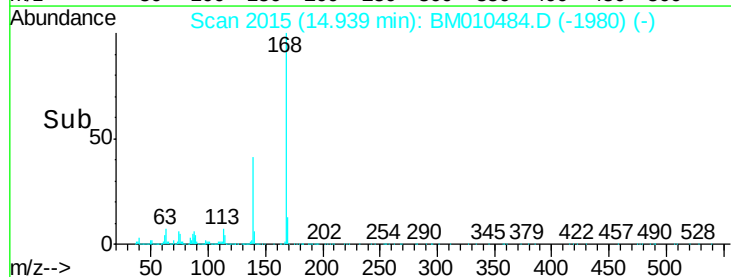
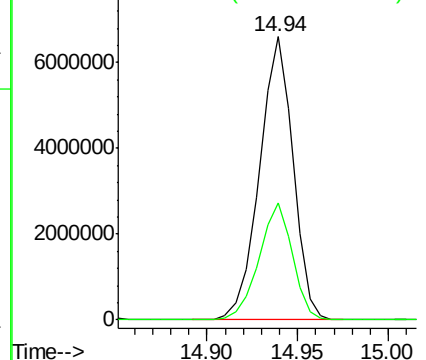
168 100

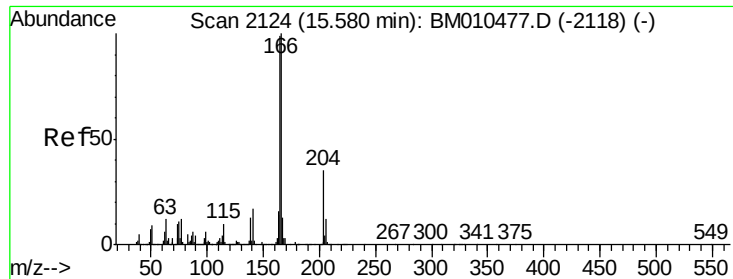
139 41.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





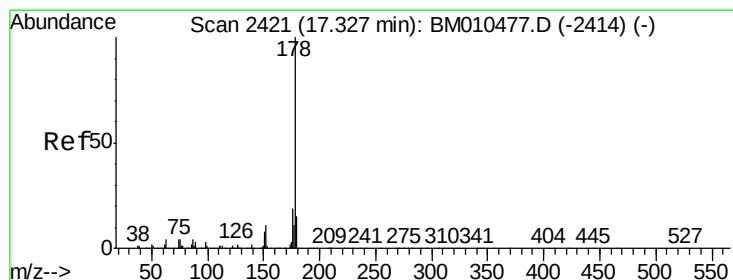
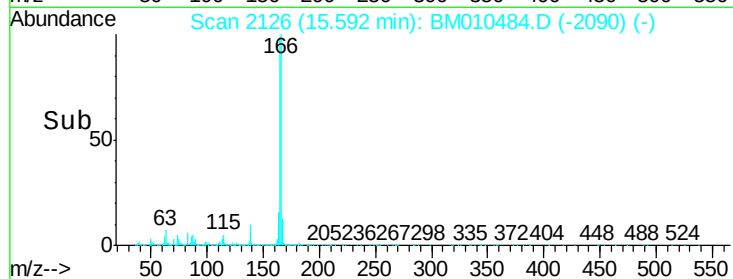
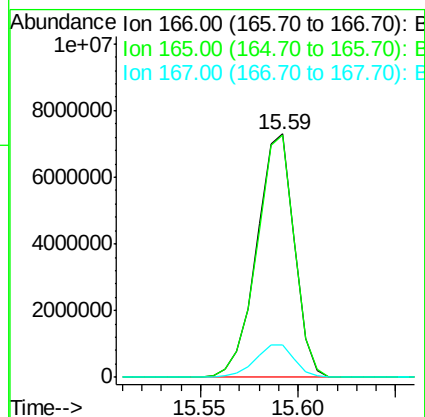
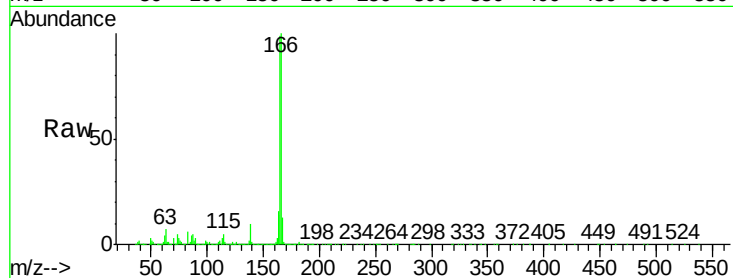
#58
 Fluorene
 Concen: 275.806 ng/ul
 RT: 15.59 min Scan# 2126
 Delta R.T. 0.01 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

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Tgt Ion:166 Resp: 9717097
 Ion Ratio Lower Upper
 166 100
 165 99.4 77.9 116.9
 167 13.4 10.6 16.0

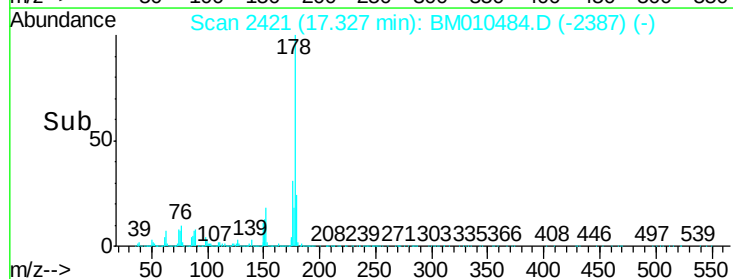
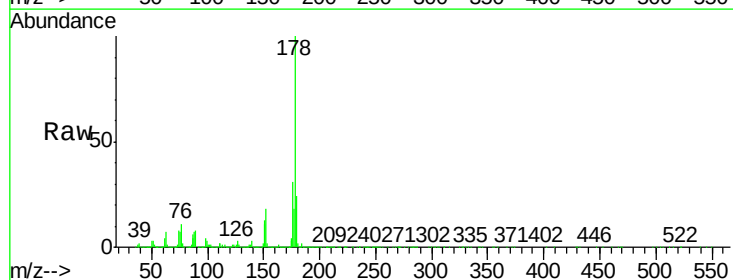
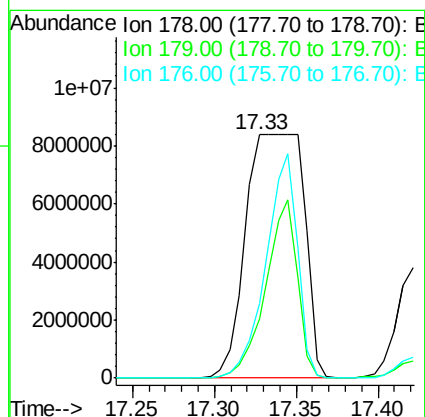
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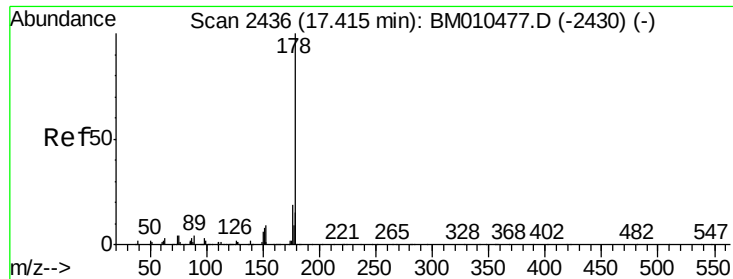
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#69
 Phenanthrene
 Concen: 366.560 ng/ul m
 RT: 17.33 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

Tgt Ion:178 Resp:20678164
 Ion Ratio Lower Upper
 178 100
 179 24.5 12.6 19.0#
 176 30.6 14.9 22.3#





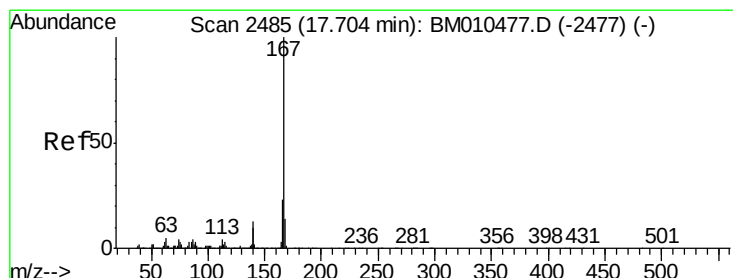
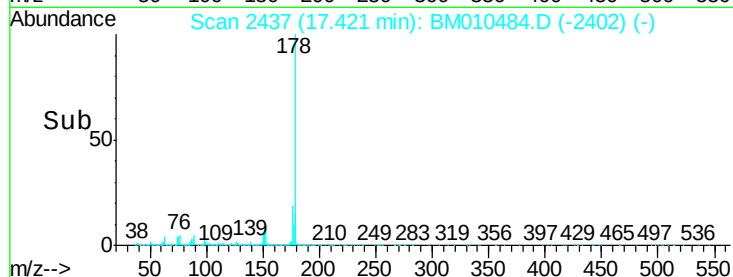
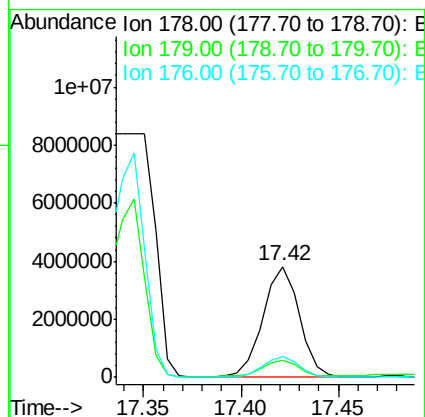
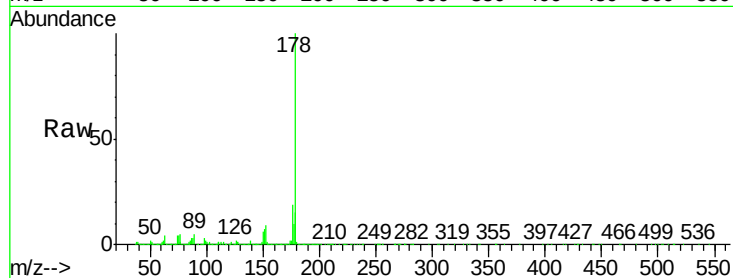
#71
 Anthracene
 Concen: 83.680 ng/ul
 RT: 17.42 min Scan# 2437
 Delta R.T. 0.01 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

Instrument :
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Tgt Ion:178 Resp: 4928016
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.7 17.5
 176 18.7 14.6 21.8

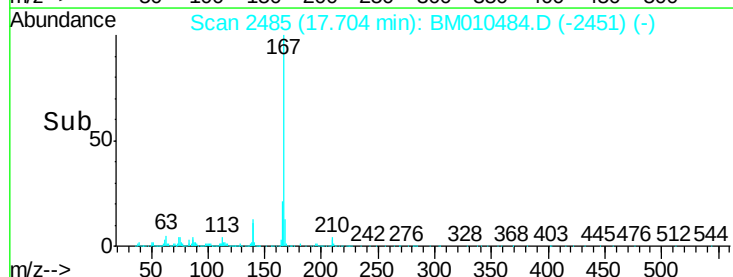
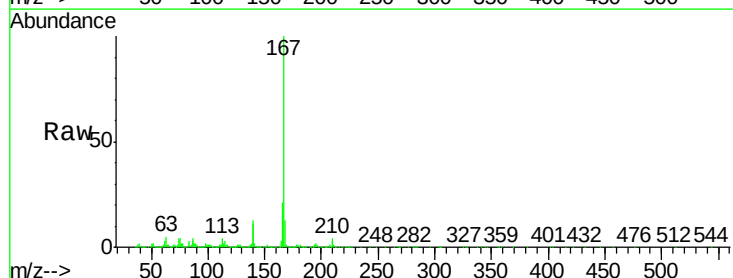
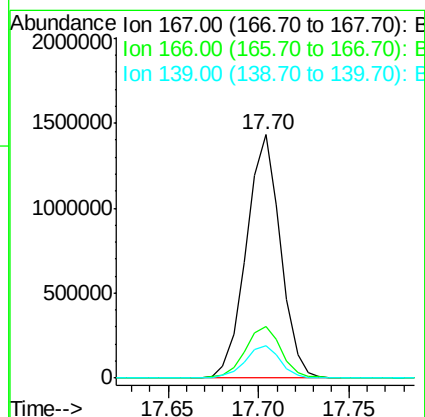
Manual Integrations
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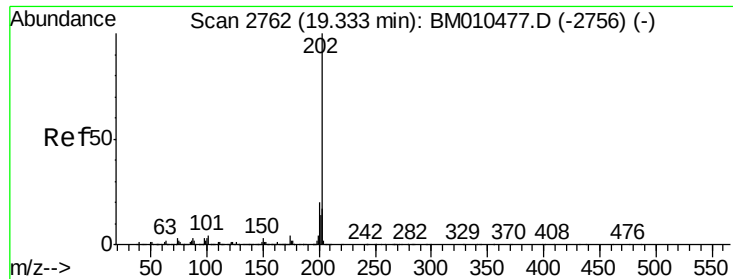
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#72
 Carbazole
 Concen: 37.541 ng/ul
 RT: 17.70 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

Tgt Ion:167 Resp: 1871314
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 13.2 10.0 15.0





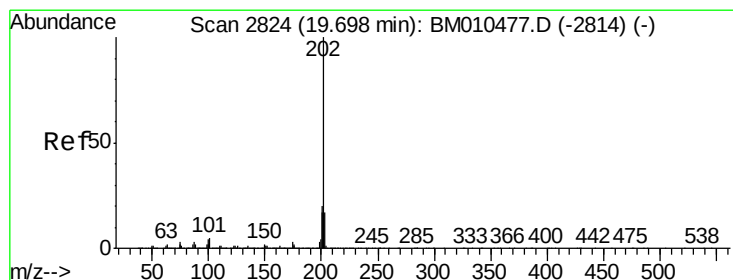
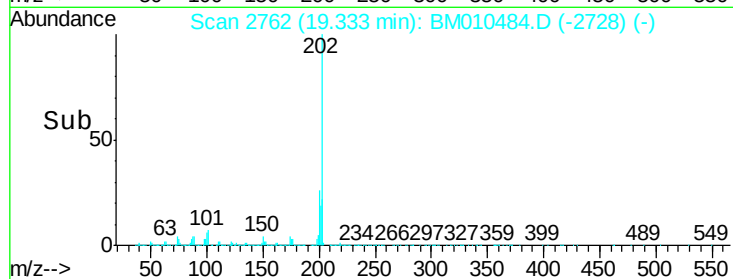
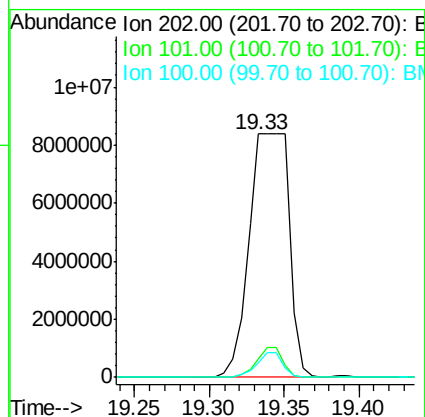
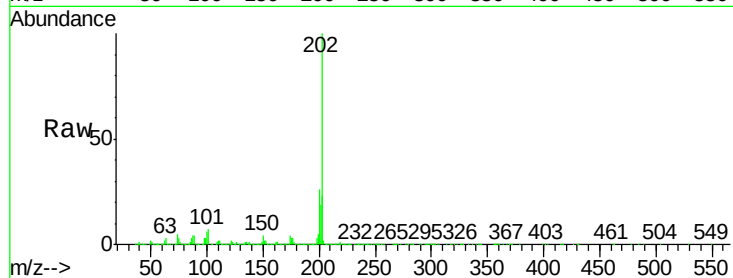
#74
 Fluoranthene
 Concen: 225.971 ng/ul m
 RT: 19.33 min Scan# 2762
 Delta R.T. 0.00 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

Instrument :
 BNA_M
 ClientSampleId :
 F5C57

Tgt Ion:202 Resp:15675606
 Ion Ratio Lower Upper
 202 100
 101 7.4 4.6 7.0#
 100 5.8 3.4 5.2#

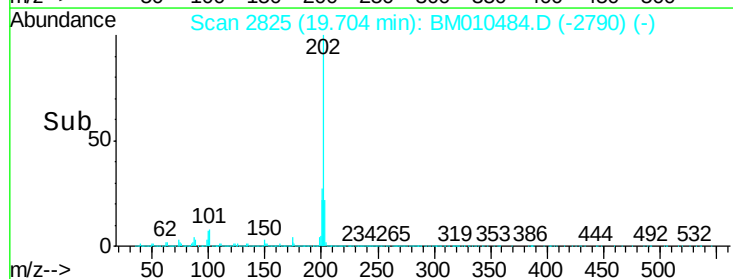
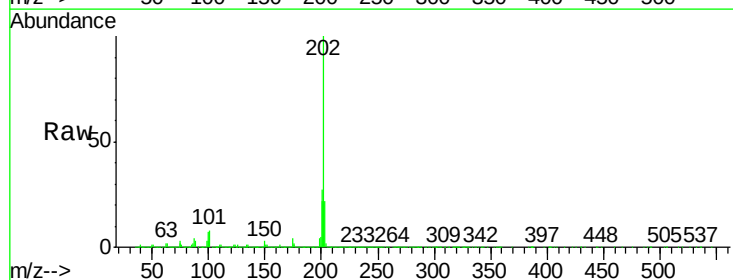
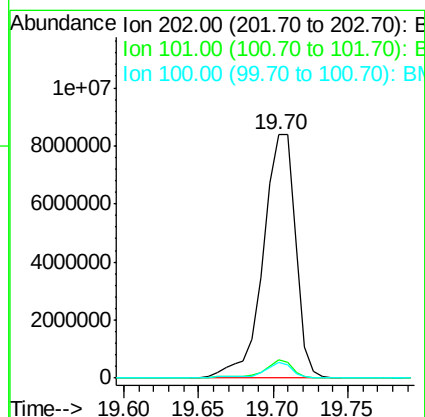
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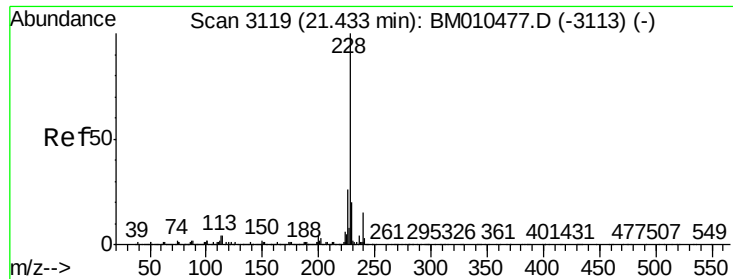
mohammad
 6/12/2017 3:40:41 PM



#77
 Pyrene
 Concen: 172.169 ng/ul
 RT: 19.70 min Scan# 2825
 Delta R.T. 0.01 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

Tgt Ion:202 Resp:12633726
 Ion Ratio Lower Upper
 202 100
 101 7.6 5.1 7.7
 100 6.6 4.9 7.3





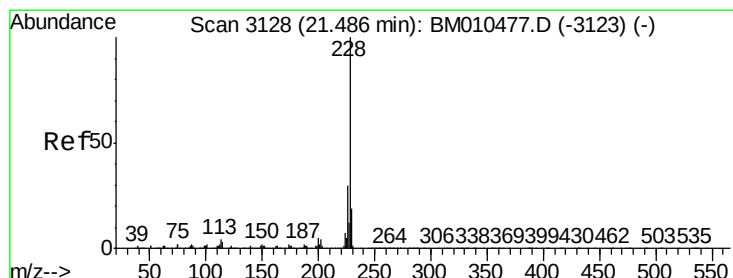
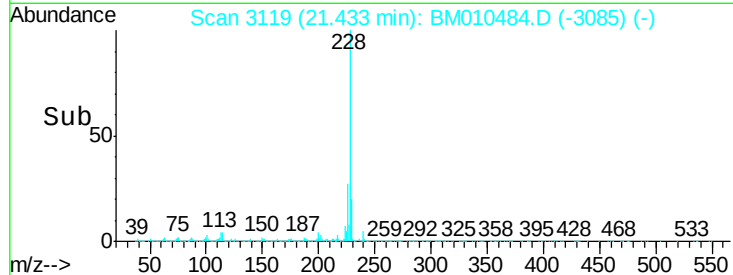
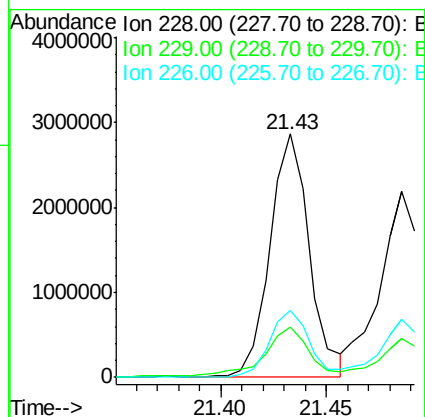
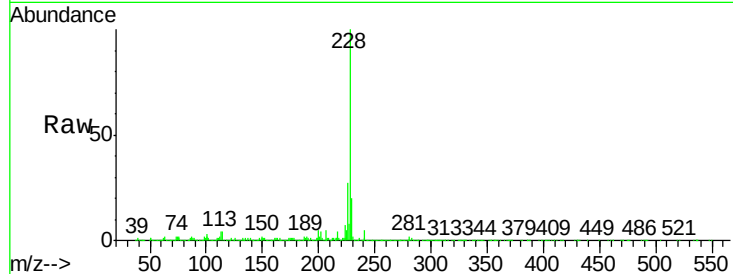
#80
Benzo(a)anthracene
Concen: 46.092 ng/ul
RT: 21.43 min Scan# 3119
Delta R.T. 0.00 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Instrument :
BNA_M
ClientSampleId :
F5C57

Tgt Ion:228 Resp: 3701248
Ion Ratio Lower Upper
228 100
229 20.5 15.4 23.0
226 27.4 21.4 32.0

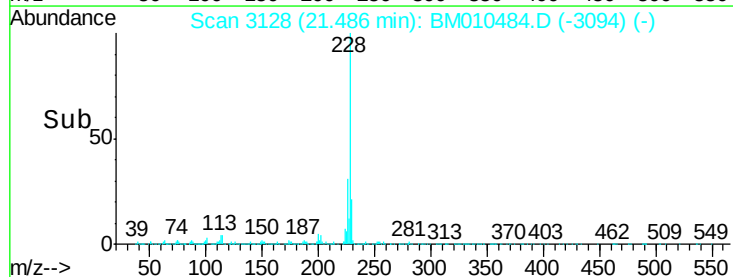
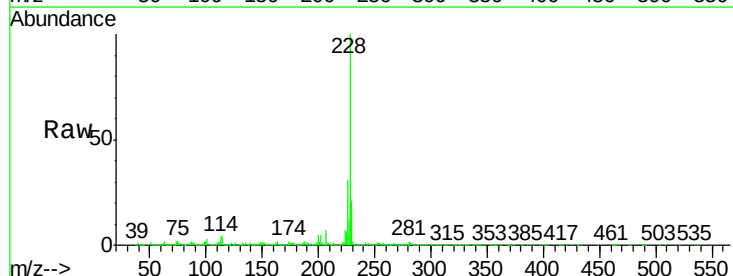
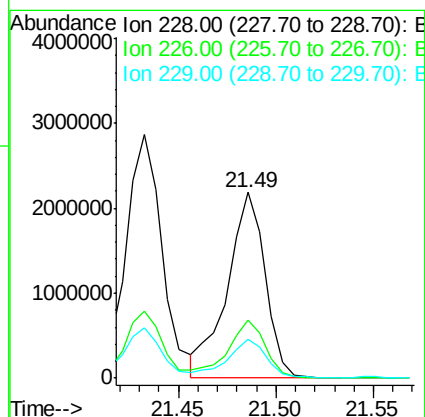
Manual Integrations
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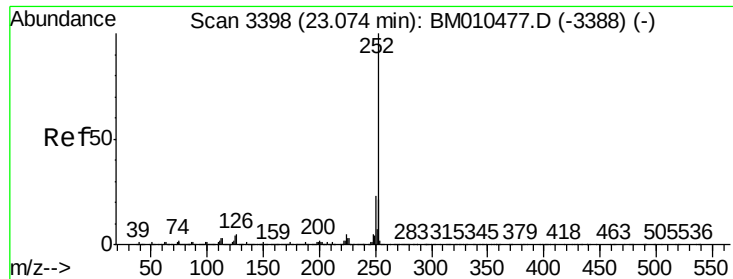
mohammad
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#82
Chrysene
Concen: 40.233 ng/ul
RT: 21.49 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Tgt Ion:228 Resp: 2920548
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.2
229 21.3 15.5 23.3





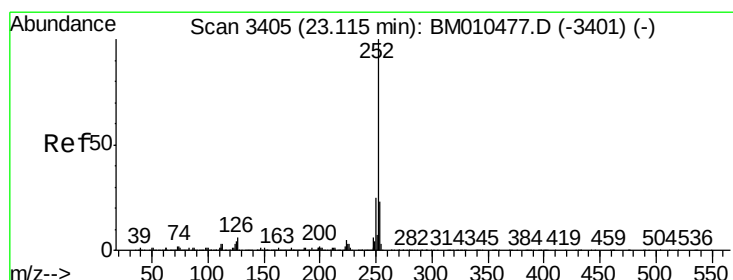
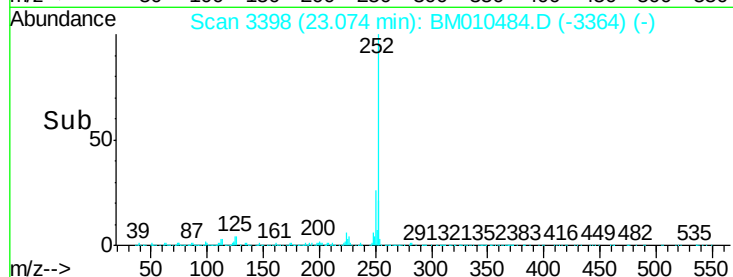
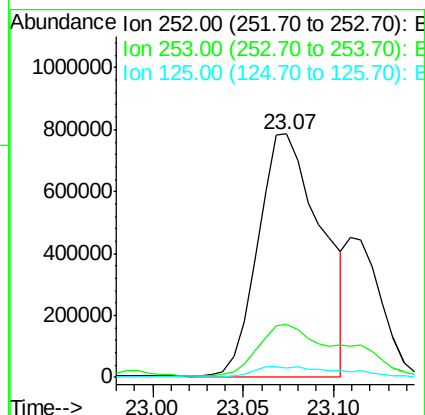
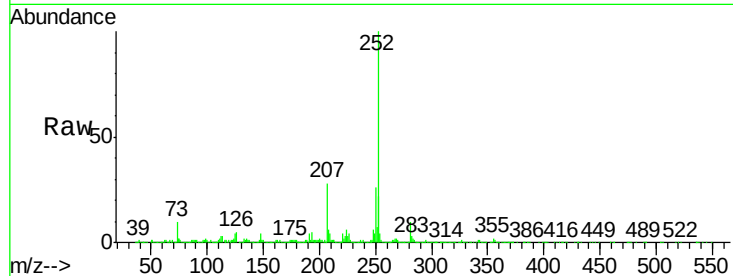
#85
Benzo(b)fluoranthene
Concen: 23.971 ng/ul
RT: 23.07 min Scan# 3398
Delta R.T. 0.00 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Instrument :
BNA_M
ClientSampleId :
F5C57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	3.8	3.6	5.4

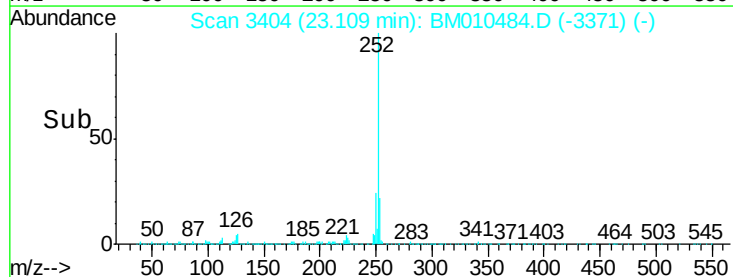
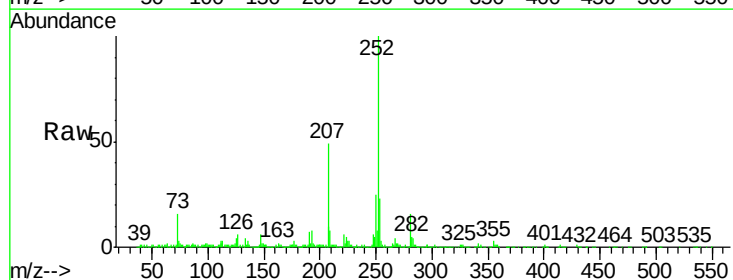
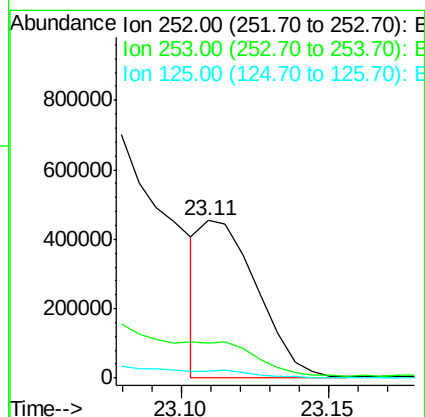
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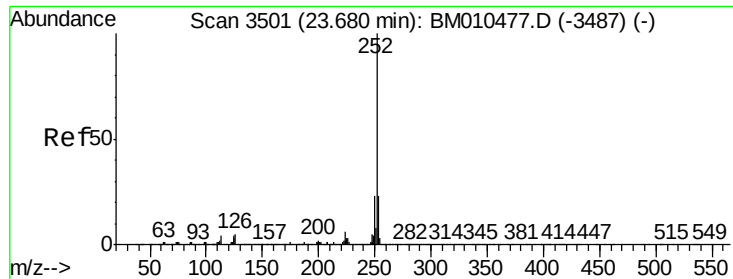
mohammad
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#86
Benzo(k)fluoranthene
Concen: 7.879 ng/ul m
RT: 23.11 min Scan# 3404
Delta R.T. -0.01 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	4.3	3.4	5.2





#88

Benzo(a)pyrene

Concen: 13.609 ng/ul

RT: 23.68 min Scan# 3501

Delta R.T. 0.00 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Instrument :

BNA_M

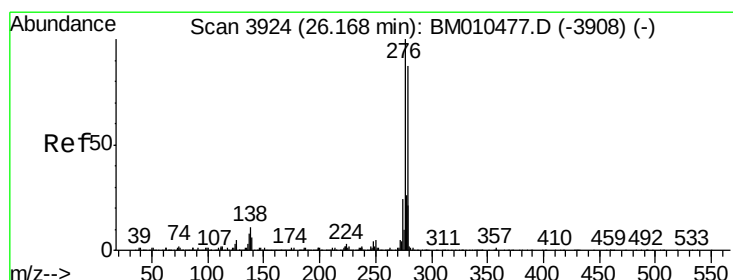
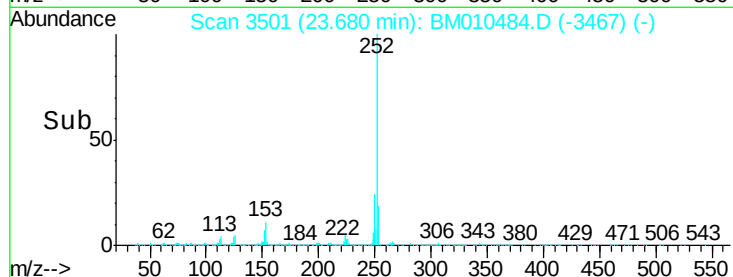
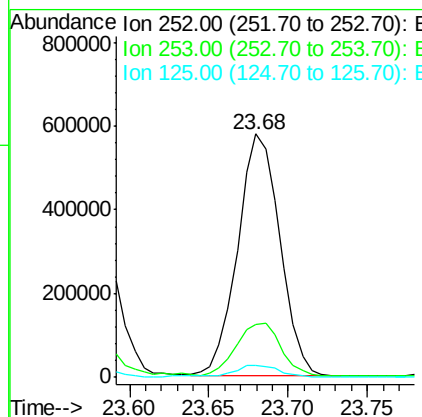
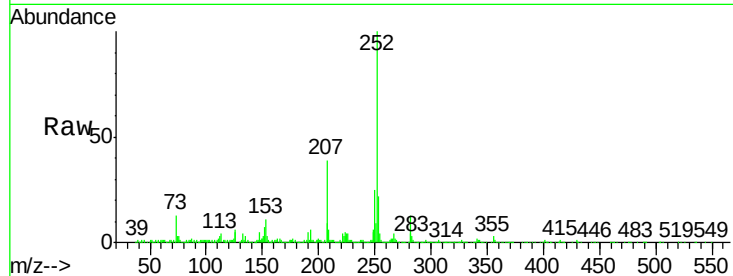
ClientSampleId :

F5C57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	4.6	4.0	6.0

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 3.869 ng/ul

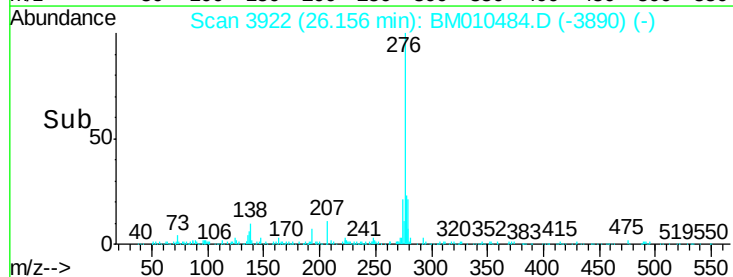
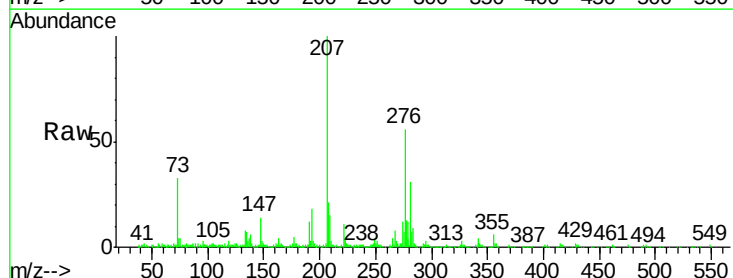
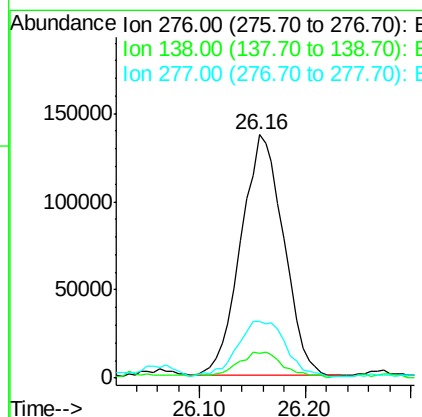
RT: 26.16 min Scan# 3922

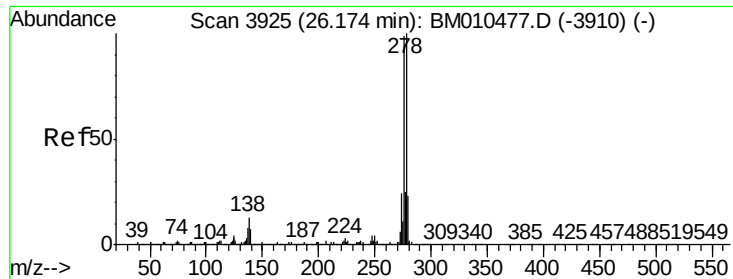
Delta R.T. -0.01 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.0	9.3	13.9
277	23.4	19.9	29.9





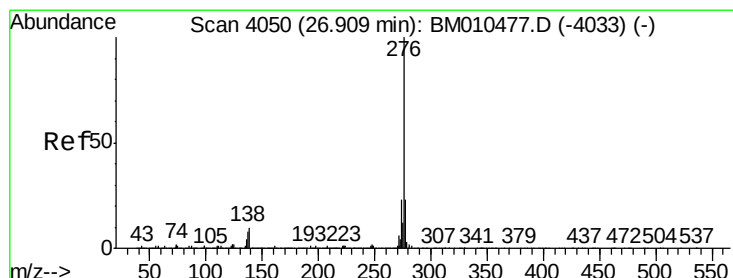
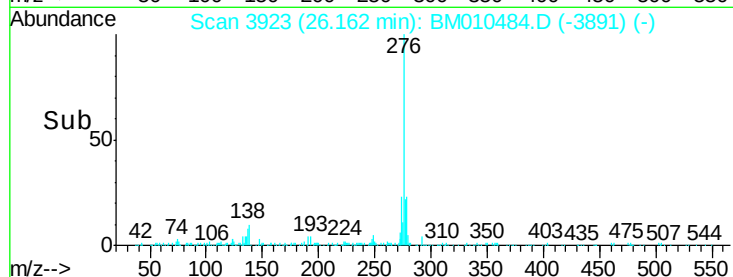
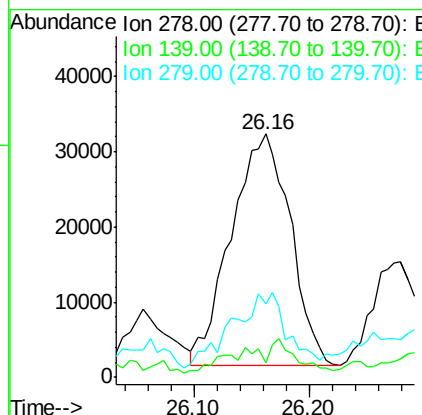
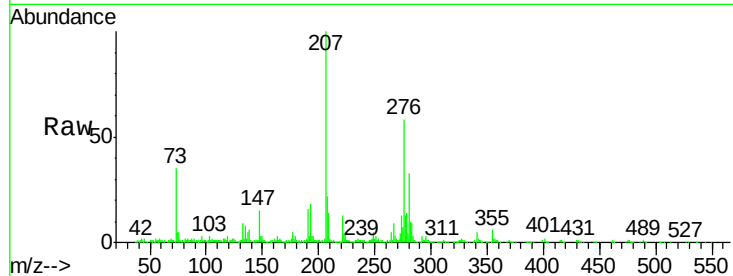
#90
Dibenzo(a,h)anthracene
Concen: 1.276 ng/ul
RT: 26.16 min Scan# 3923
Delta R.T. -0.01 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Instrument :
BNA_M
ClientSampleId :
F5C57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	5.7	5.8	8.8#
279	30.1	18.6	27.8#

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#91
Benzo(g,h,i)perylene
Concen: 3.355 ng/ul
RT: 26.91 min Scan# 4050
Delta R.T. 0.00 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.4	8.5	12.7#
277	24.0	18.6	28.0

