

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
 Data File : BM010677.D
 Acq On : 23 Jun 2017 01:32
 Operator : SJ/JU
 Sample : I3653-04 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F5B21

Manual Integrations
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mohammad
 6/26/2017 8:26:25 AM

Quant Time: Jun 23 13:22:35 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 23 05:06:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	85704	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	370551	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.12	164	254923	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	600751	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	693880	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	551704	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	727	0.49	ng/uL	0.00
5) Phenol-d5	6.65	99	20538	2.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	11837	2.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	15653	2.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	16954	2.50	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	9550	3.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	10604	3.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	18802	2.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	48361m	7.16	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	73494	3.28	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	85394	3.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	10678	2.71	ng/ul	0.00
57) Fluorene-d10	15.12	176	68634	3.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.26	200	8328	2.26	ng/ul	0.02
70) Anthracene-d10	16.97	188	103337	3.56	ng/ul	0.00
76) Pyrene-d10	19.28	212	121676	3.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	92828	3.48	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.67	94	12336	1.467	ng/ul#	85
11) 2-Methylphenol	7.90	108	11177	1.744	ng/ul	99
16) 4-Methylphenol	8.23	108	31019	4.399	ng/ul	97
24) 2,4-Dimethylphenol	9.42	107	51898m	6.316	ng/ul	
28) Naphthalene	10.30	128	17192183	932.317	ng/ul#	93
34) 2-Methylnaphthalene	11.91	142	3469264	234.041	ng/ul	98
40) 1,1'-Biphenyl	12.94	154	765196	38.394	ng/ul	97
44) Dimethylphthalate	13.58	163	30702	1.400	ng/ul#	96
47) Acenaphthylene	13.83	152	112781	4.549	ng/ul#	93
49) Acenaphthene	14.19	153	2541536	151.968	ng/ul	98
53) Dibenzofuran	14.52	168	2796478	110.413	ng/ul	91
58) Fluorene	15.18	166	2810663	132.545	ng/ul	98
69) Phenanthrene	16.93	178	13067620	409.154	ng/ul	94
71) Anthracene	17.01	178	2088336	63.468	ng/ul	99
72) Carbazole	17.28	167	1022947	35.634	ng/ul	98
74) Fluoranthene	18.96	202	8128314	197.478	ng/ul#	94
77) Pyrene	19.32	202	5233393	130.578	ng/ul#	96
80) Benzo(a)anthracene	21.07	228	1770765	43.823	ng/ul	98
82) Chrysene	21.12	228	1269244	35.230	ng/ul	98
85) Benzo(b)fluoranthene	22.59	252	885053	24.713	ng/ul#	99
86) Benzo(k)fluoranthene	22.63	252	369889m	10.895	ng/ul	
88) Benzo(a)pyrene	23.13	252	536392	16.269	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	153803	4.498	ng/ul	95

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QLast Update : Fri Jun 23 05:06:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.33	278	47770	1.676	ng/ul#	95
91) Benzo(g,h,i)perylene	25.98	276	92135	3.385	ng/ul	99

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

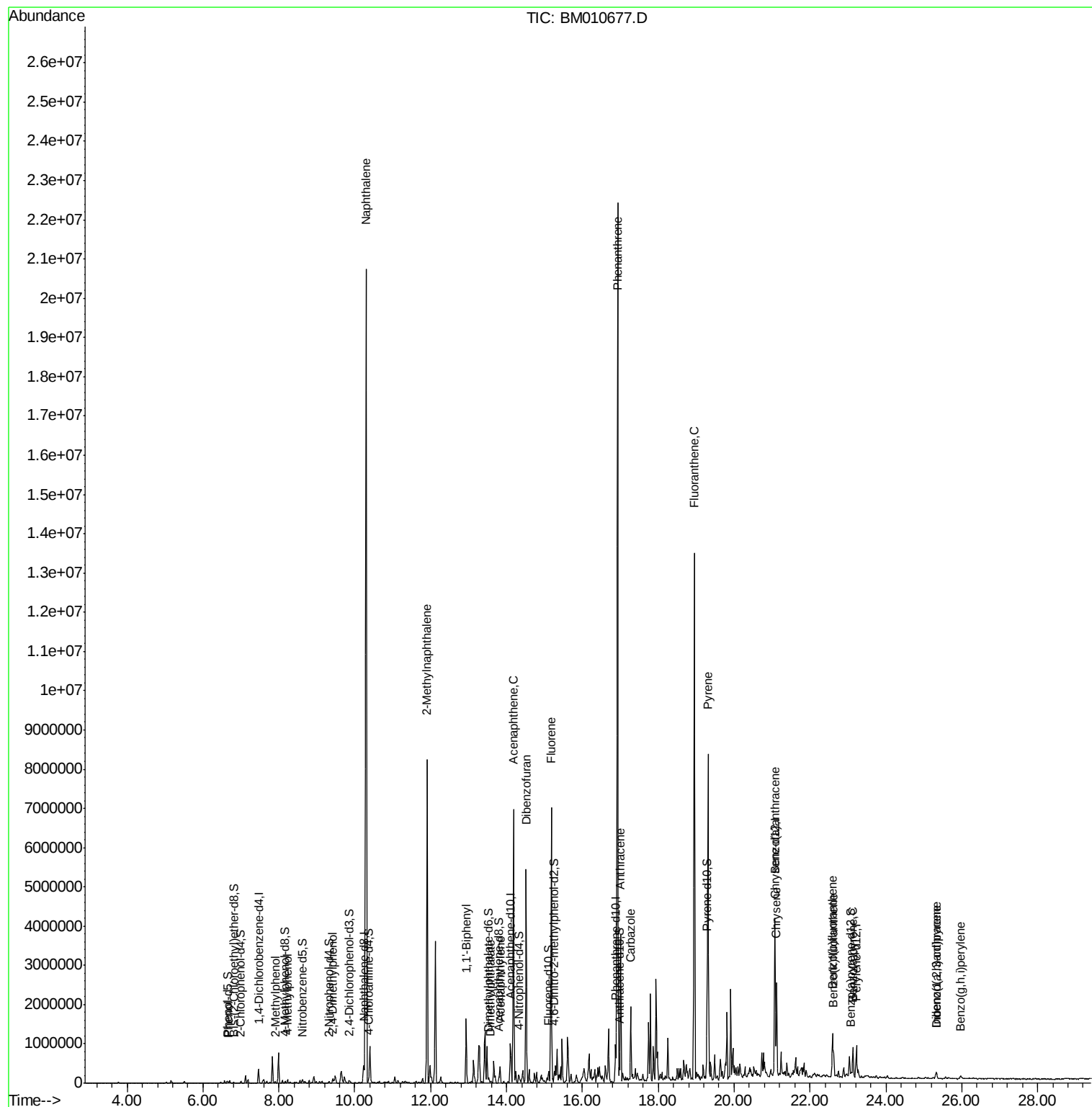
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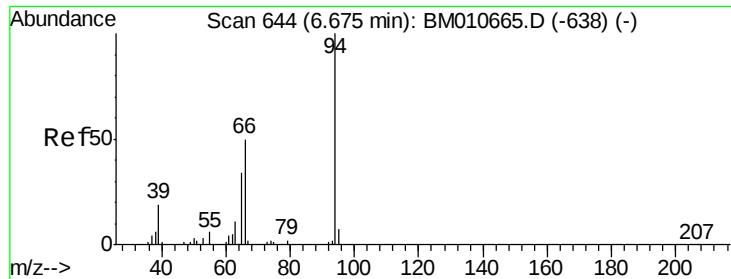
Instrument :
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#6

Phenol

Concen: 1.467 ng/ul

RT: 6.67 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM010677.D

Acq: 23 Jun 2017 01:32

Instrument :

BNA_M

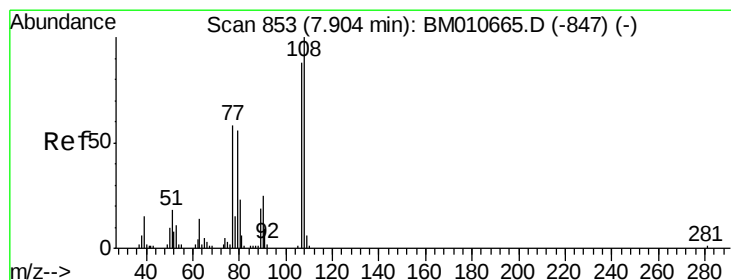
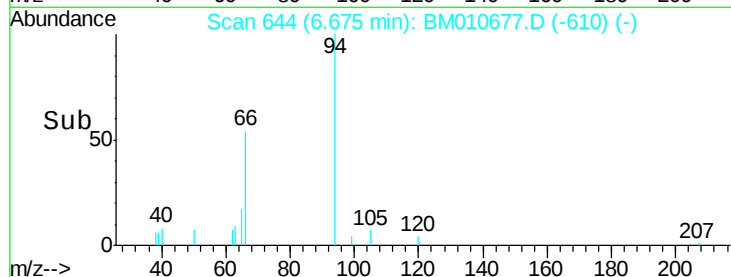
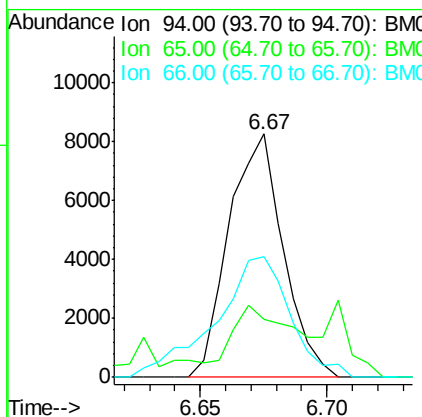
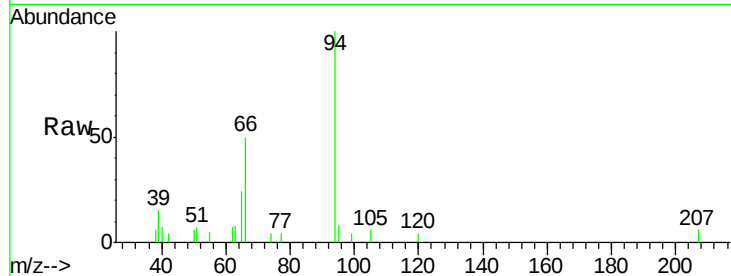
ClientSampled :

F5B21

Tgt Ion:	94	Resp:	12336
Ion	Ratio	Lower	Upper
94	100		
65	23.9	28.2	42.4#
66	49.7	47.2	70.8

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#11

2-Methylphenol

Concen: 1.744 ng/ul

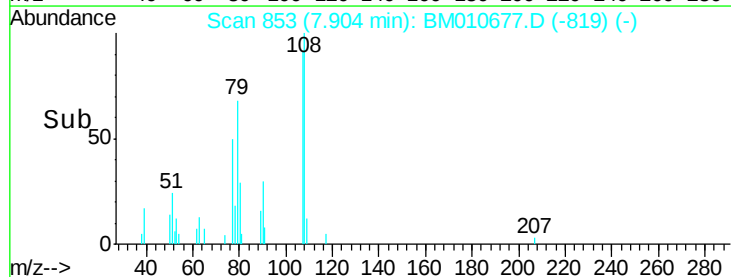
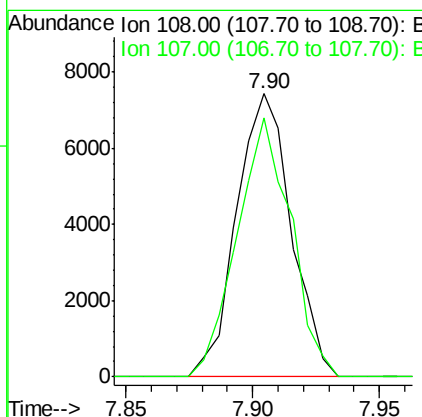
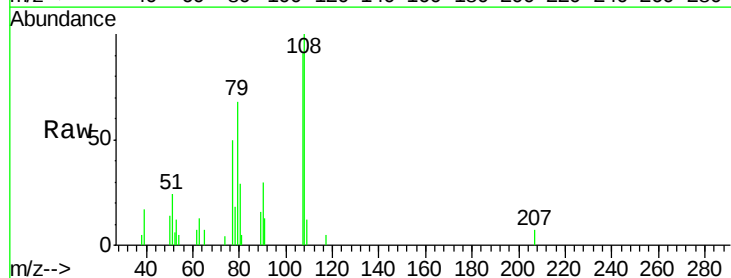
RT: 7.90 min Scan# 853

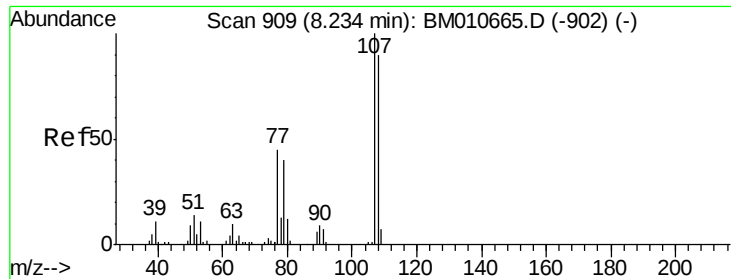
Delta R.T. -0.00 min

Lab File: BM010677.D

Acq: 23 Jun 2017 01:32

Tgt Ion:	108	Resp:	11177
Ion	Ratio	Lower	Upper
108	100		
107	91.4	72.6	108.8





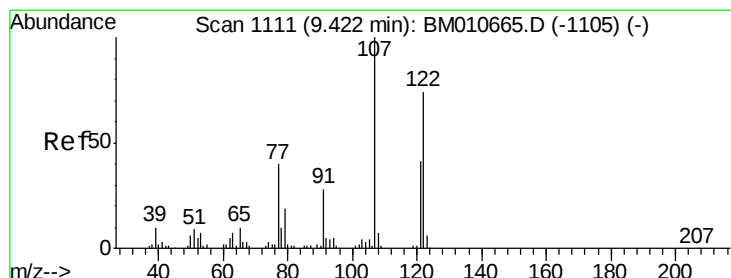
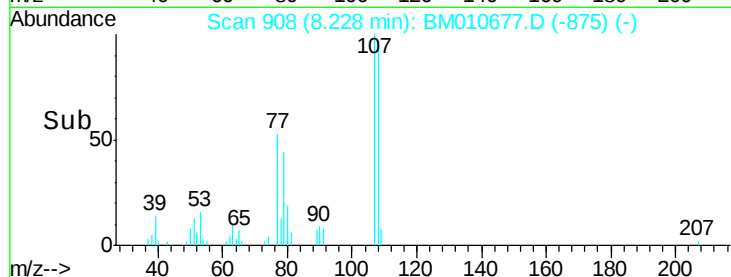
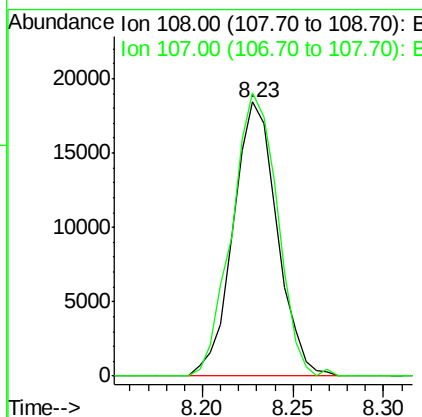
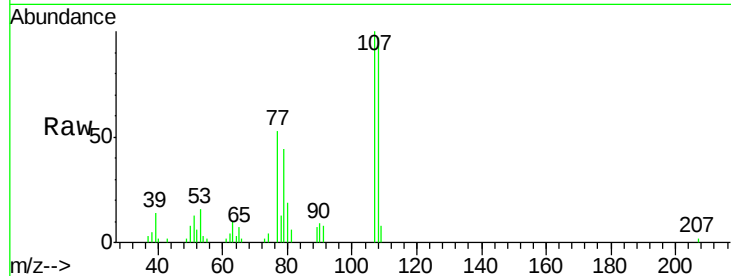
#16
4-Methylphenol
Concen: 4.399 ng/ul
RT: 8.23 min Scan# 908
Delta R.T. -0.01 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
108	100	31019		
107	103.3	84.9	127.3	

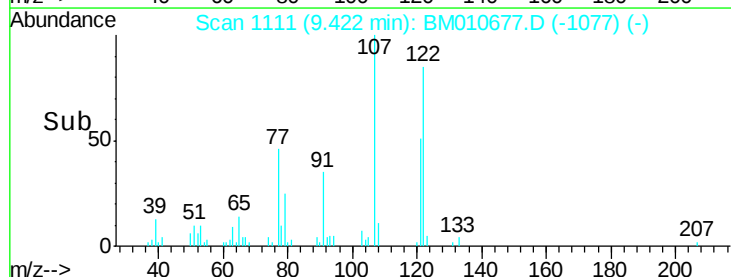
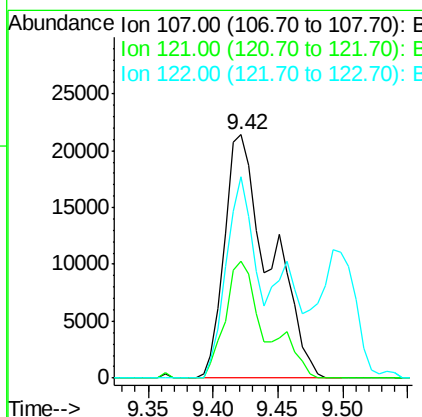
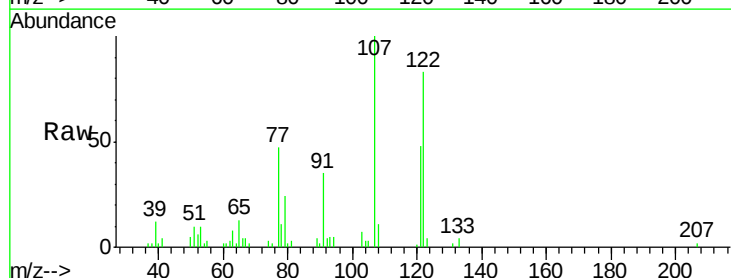
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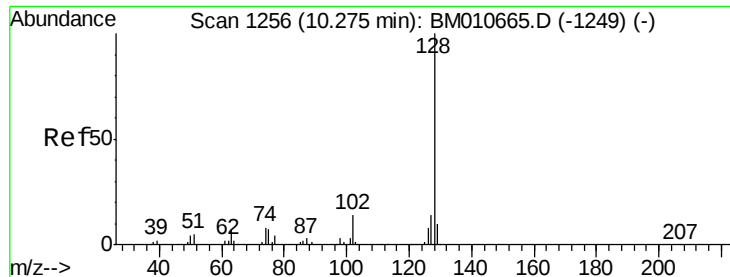
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#24
2,4-Dimethylphenol
Concen: 6.316 ng/ul m
RT: 9.42 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	51898		
121	48.0	31.9	47.9#	
122	82.9	57.8	86.6	





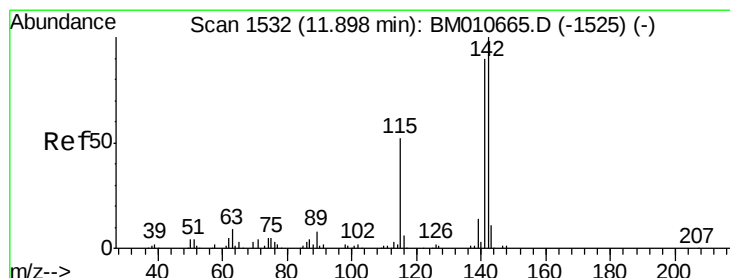
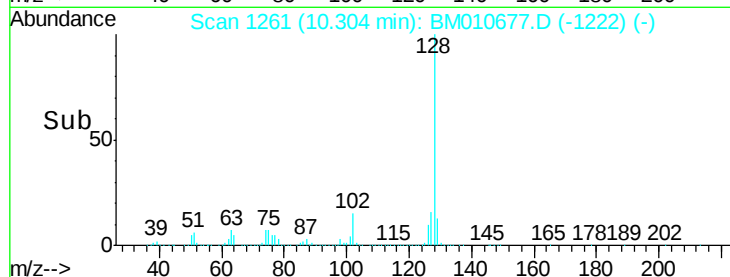
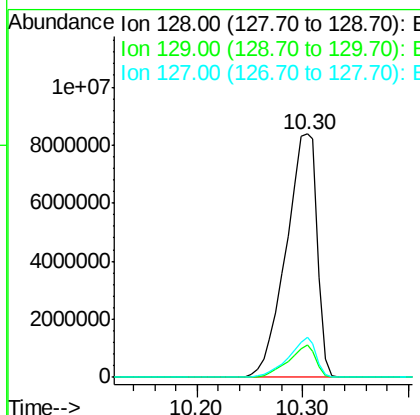
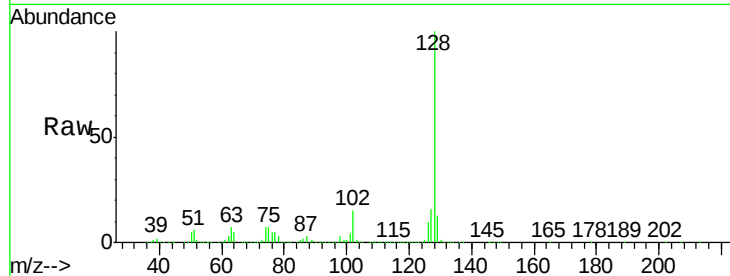
#28
Naphthalene
Concen: 932.317 ng/ul
RT: 10.30 min Scan# 1261
Delta R.T. 0.03 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

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Tgt Ion:128 Resp:17192183
Ion Ratio Lower Upper
128 100
129 13.1 8.8 13.2
127 16.3 10.6 16.0#

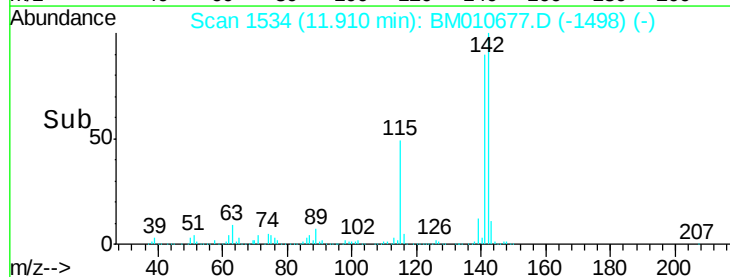
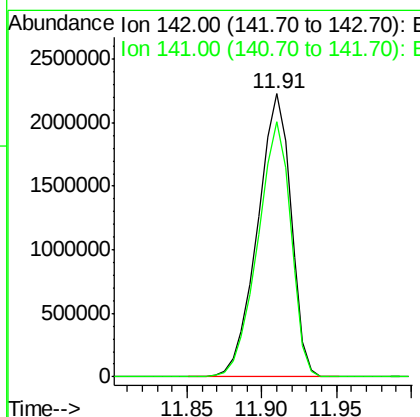
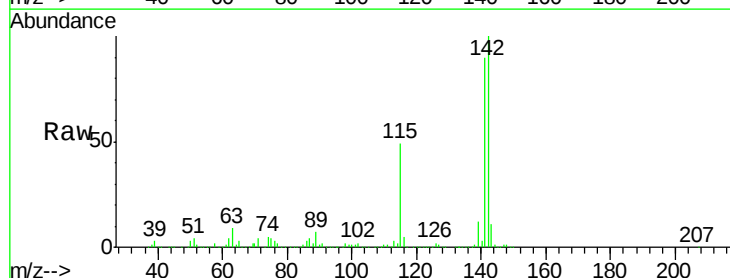
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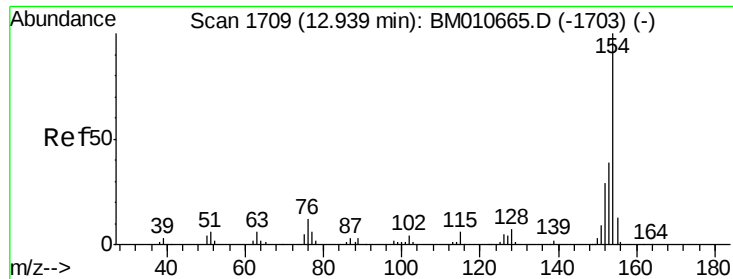
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#34
2-Methylnaphthalene
Concen: 234.041 ng/ul
RT: 11.91 min Scan# 1534
Delta R.T. 0.01 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Tgt Ion:142 Resp: 3469264
Ion Ratio Lower Upper
142 100
141 90.3 74.1 111.1





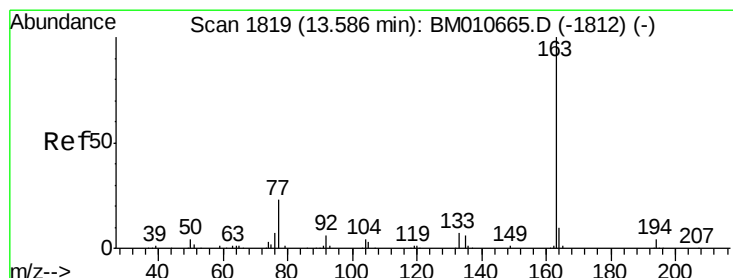
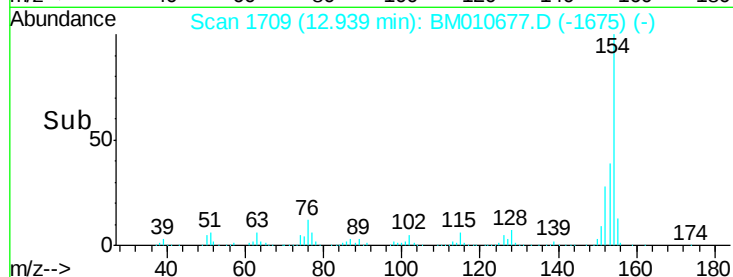
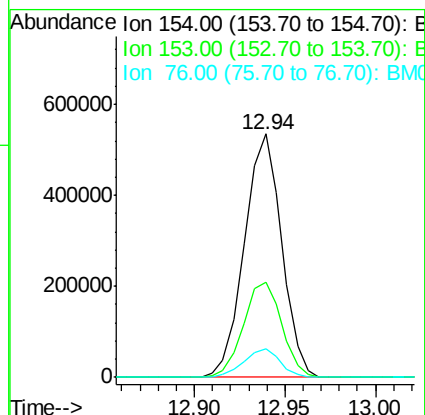
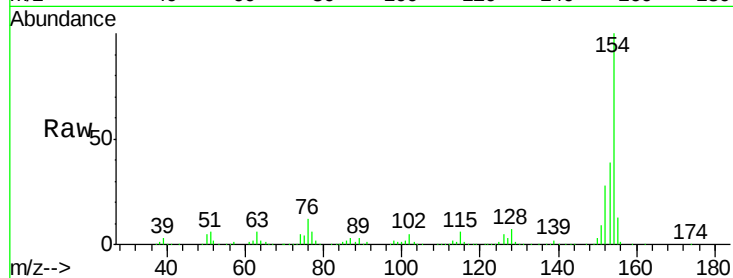
#40
1,1'-Biphenyl
Concen: 38.394 ng/ul
RT: 12.94 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

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Tgt Ion	Ratio	Resp	Lower	Upper
154	100	765196		
153	39.2		32.6	48.8
76	11.8		8.5	12.7

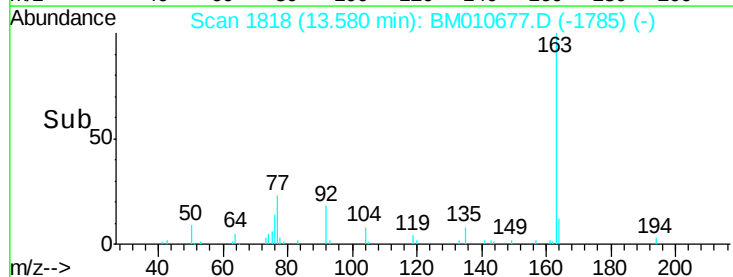
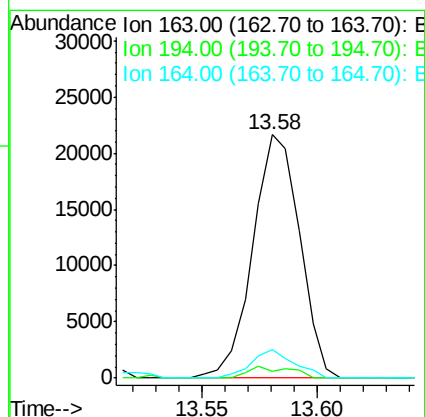
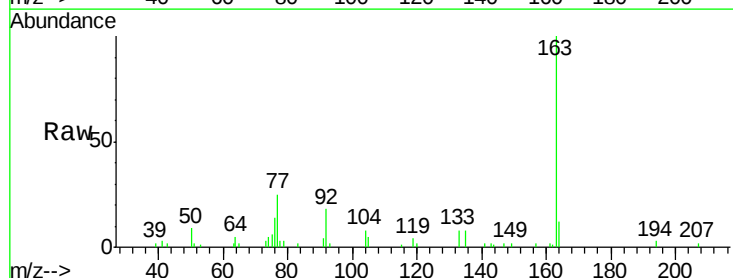
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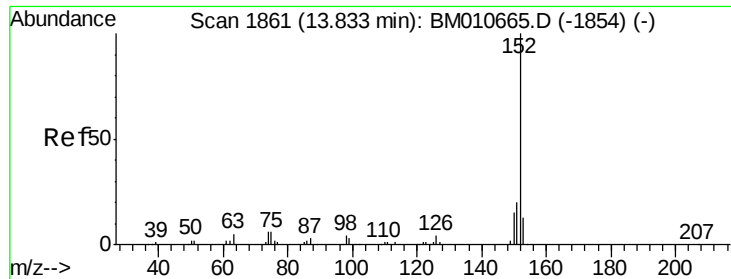
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#44
Dimethylphthalate
Concen: 1.400 ng/ul
RT: 13.58 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	30702		
194	2.7		3.5	5.3#
164	11.7		8.2	12.4





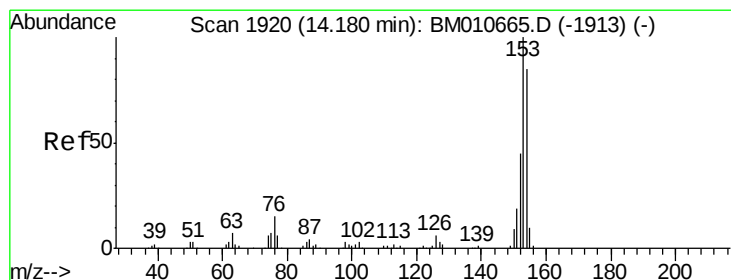
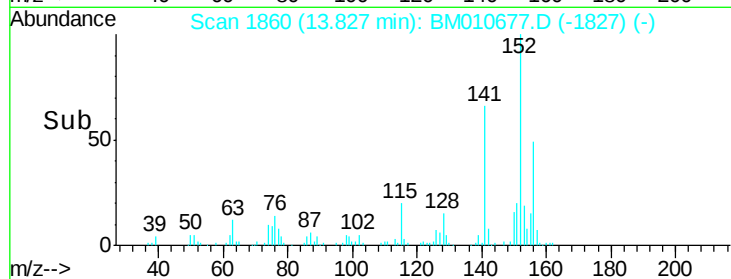
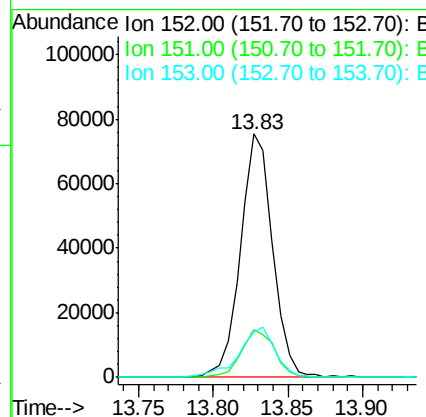
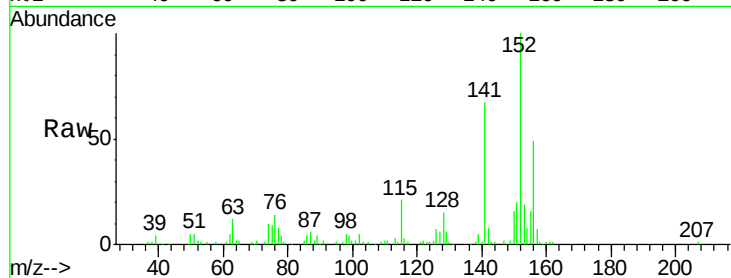
#47
Acenaphthylene
Concen: 4.549 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	112781		
151	19.8	16.3	24.5	
153	18.7	10.2	15.4	

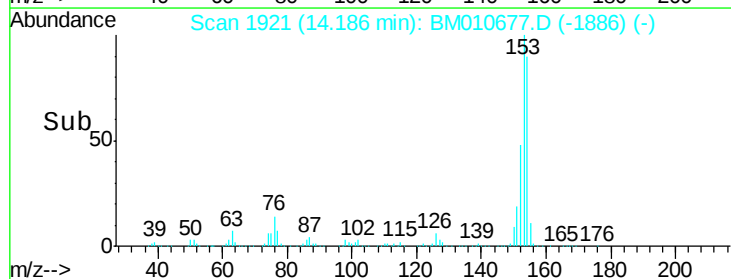
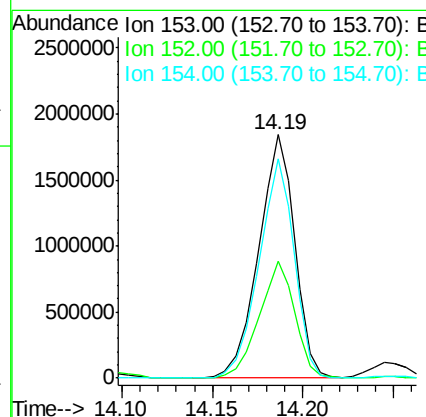
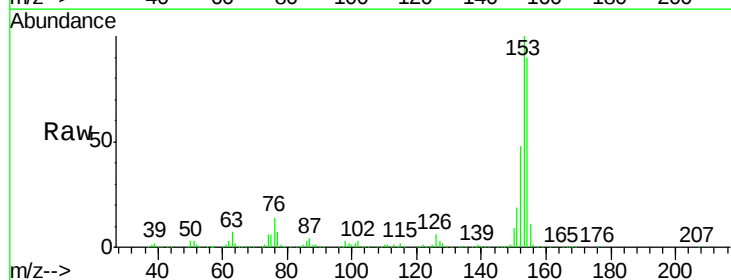
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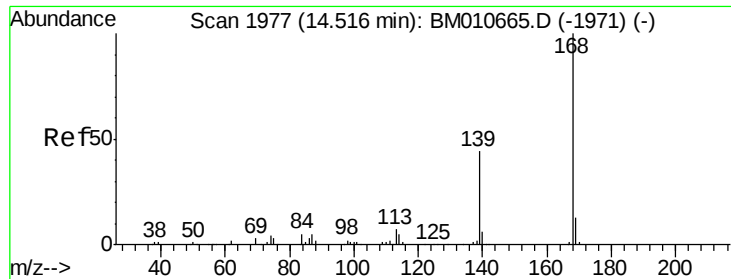
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#49
Acenaphthene
Concen: 151.968 ng/ul
RT: 14.19 min Scan# 1921
Delta R.T. 0.01 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	2541536		
152	47.8	37.6	56.4	
154	90.0	70.4	105.6	





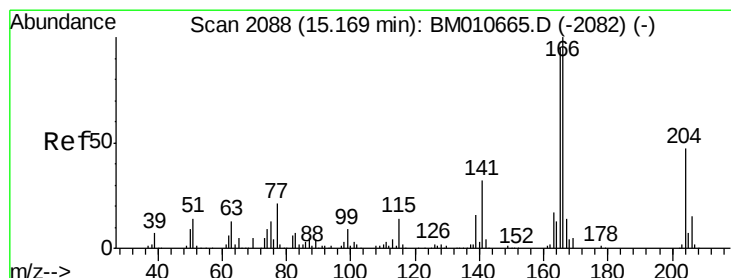
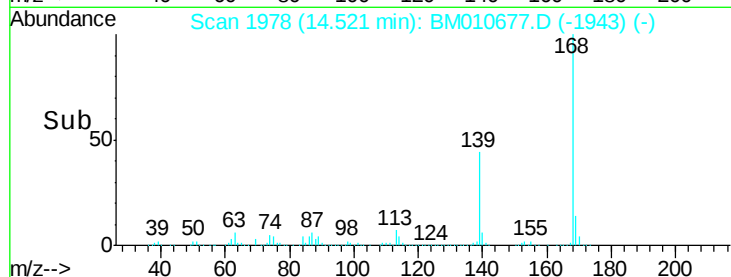
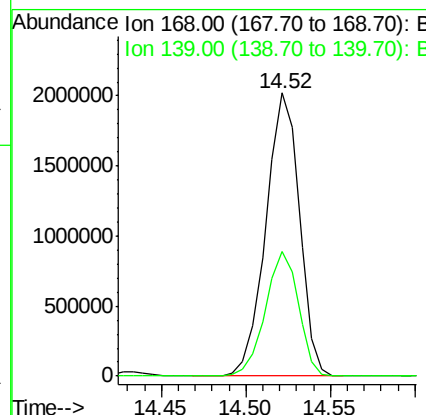
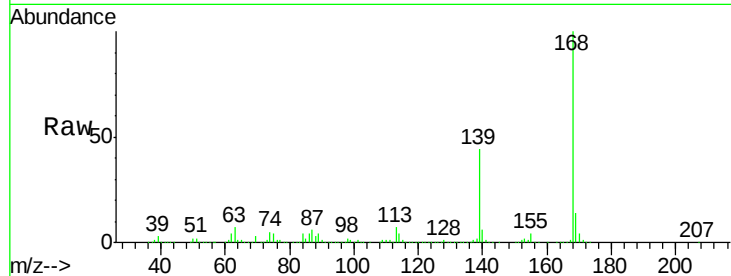
#53
Dibenzofuran
Concen: 110.413 ng/ul
RT: 14.52 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Instrument :
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Tgt Ion:168 Resp: 2796478
Ion Ratio Lower Upper
168 100
139 43.9 30.8 46.2

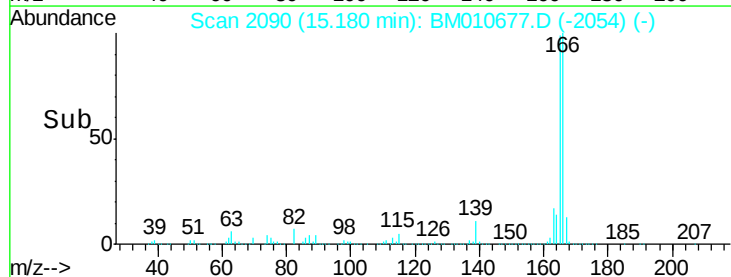
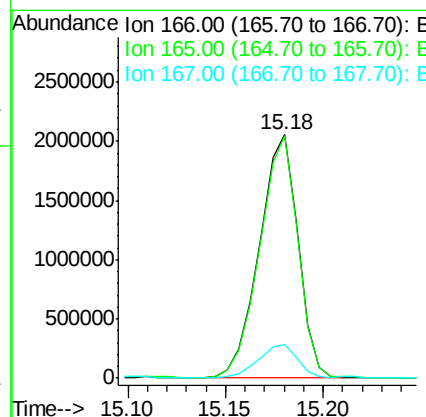
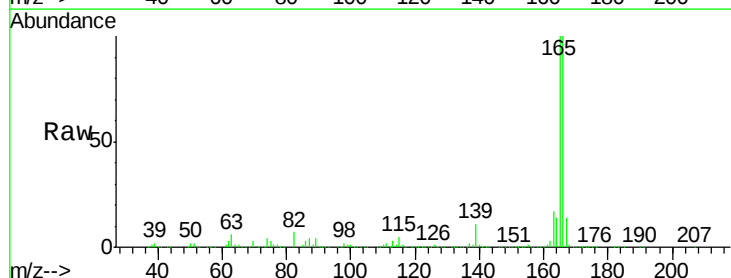
Manual Integrations
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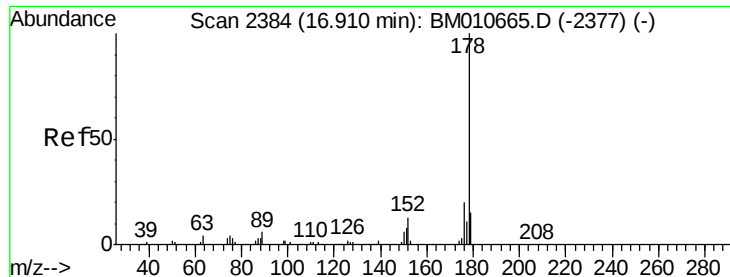
mohammad
6/26/2017 8:26:25 AM



#58
Fluorene
Concen: 132.545 ng/ul
RT: 15.18 min Scan# 2090
Delta R.T. 0.01 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Tgt Ion:166 Resp: 2810663
Ion Ratio Lower Upper
166 100
165 99.6 77.9 116.9
167 13.7 10.6 16.0





#69

Phenanthrene

Concen: 409.154 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. 0.02 min

Lab File: BM010677.D

Acq: 23 Jun 2017 01:32

Instrument :

BNA_M

ClientSampleId :

F5B21

Tgt Ion:178 Resp:13067620

Ion Ratio Lower Upper

178 100

179 17.3 12.6 19.0

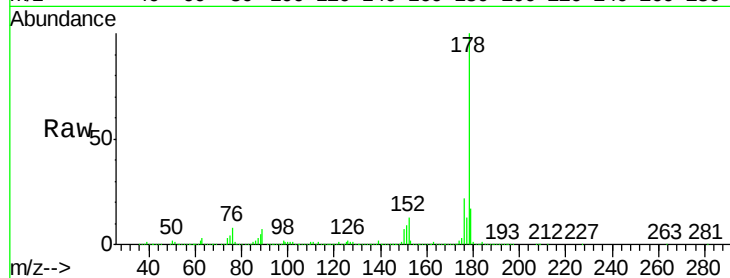
176 21.8 14.9 22.3

Manual Integrations

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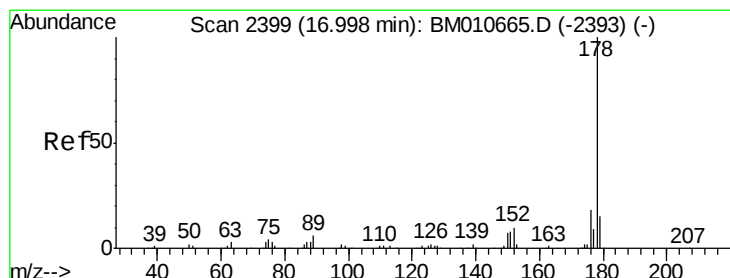
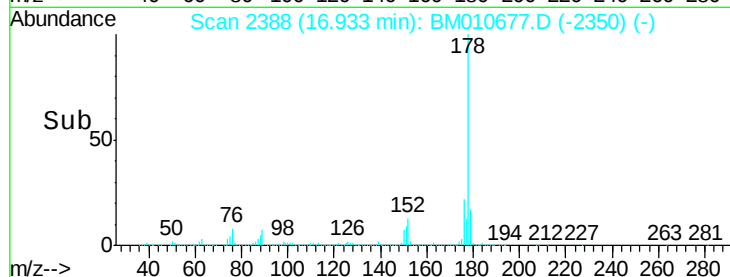
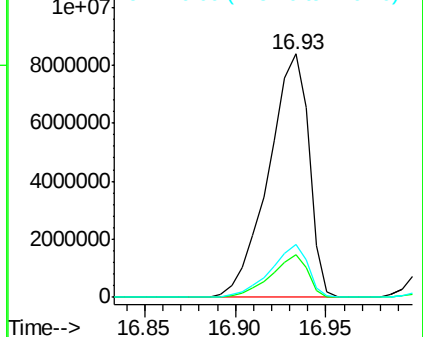
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 63.468 ng/ul

RT: 17.01 min Scan# 2401

Delta R.T. 0.01 min

Lab File: BM010677.D

Acq: 23 Jun 2017 01:32

Tgt Ion:178 Resp: 2088336

Ion Ratio Lower Upper

178 100

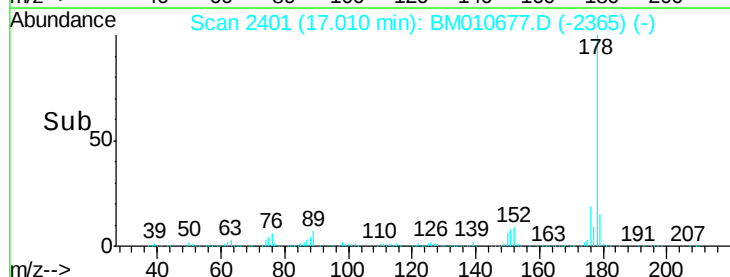
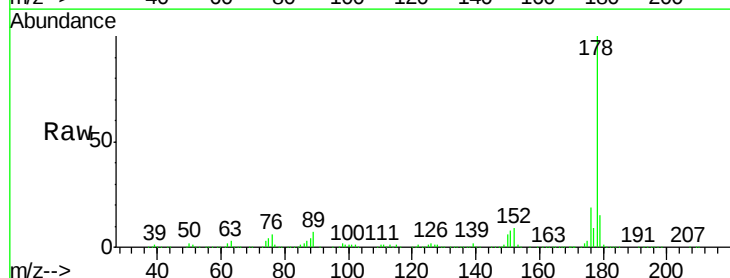
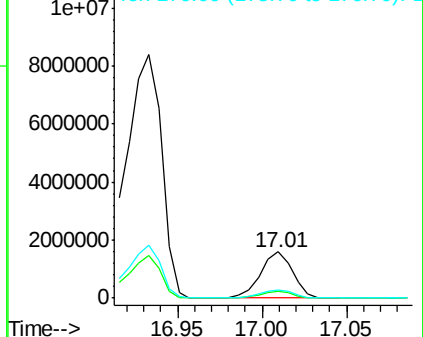
179 15.2 11.7 17.5

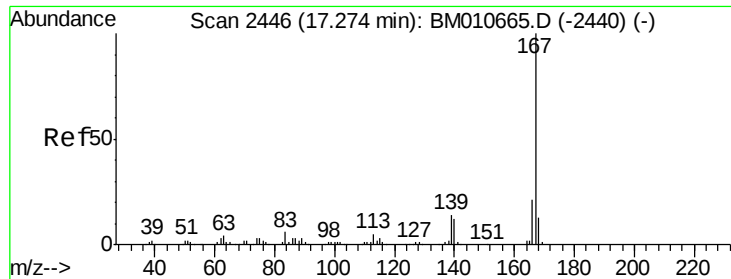
176 18.8 14.6 21.8

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





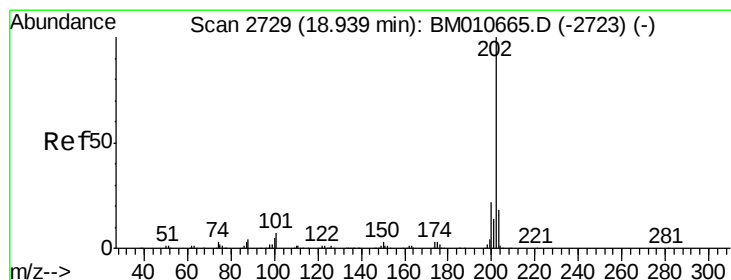
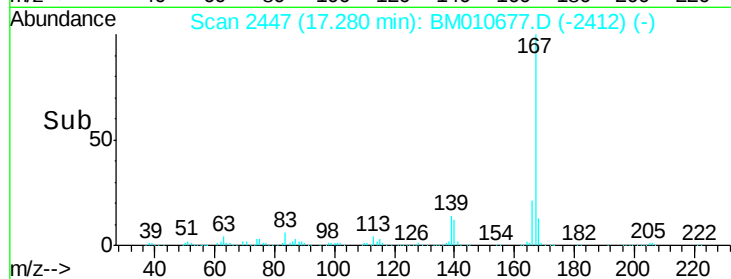
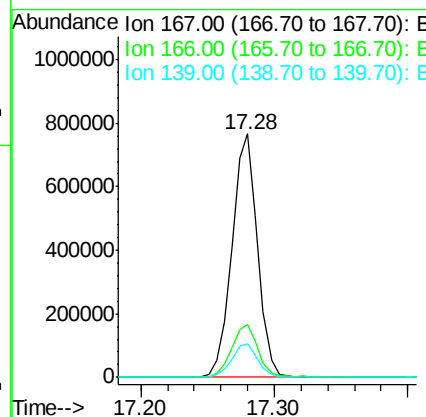
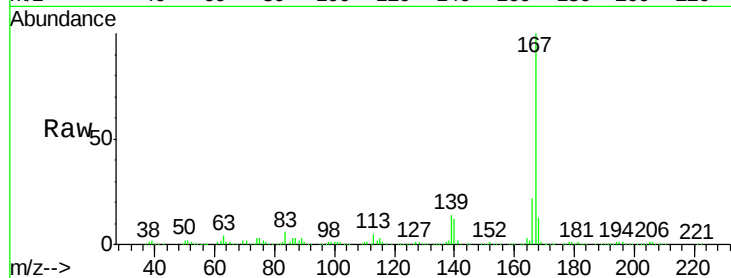
#72
 Carbazole
 Concen: 35.634 ng/ul
 RT: 17.28 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BM010677.D
 Acq: 23 Jun 2017 01:32

Instrument :
 BNA_M
 ClientSampled :
 F5B21

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	14.0	10.0	15.0

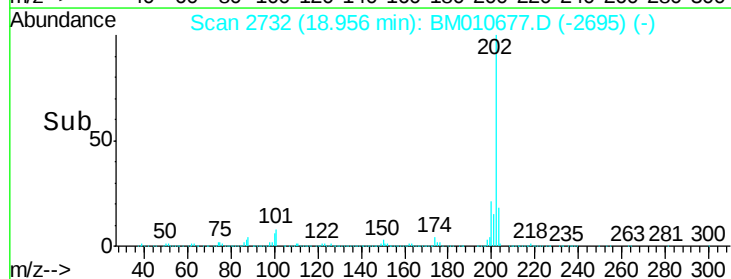
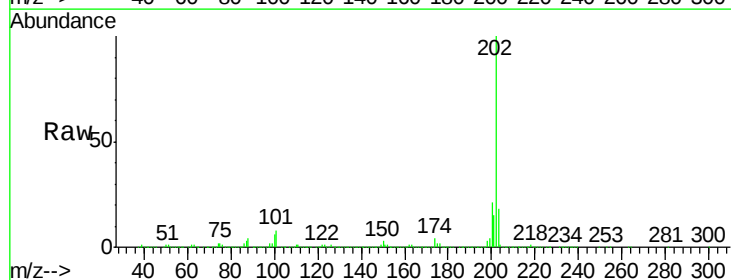
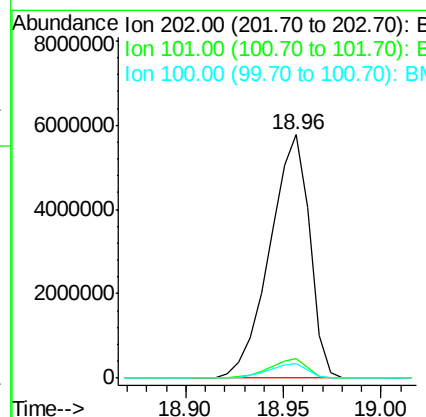
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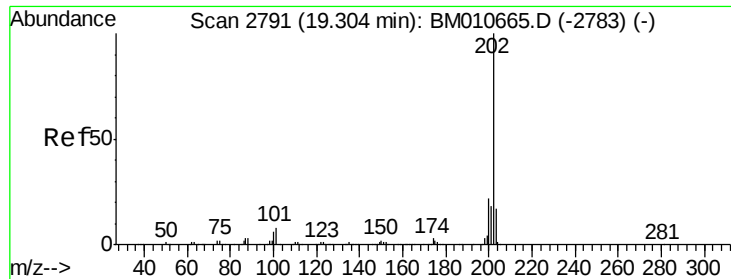
mohammad
 6/26/2017 8:26:25 AM



#74
 Fluoranthene
 Concen: 197.478 ng/ul
 RT: 18.96 min Scan# 2732
 Delta R.T. 0.02 min
 Lab File: BM010677.D
 Acq: 23 Jun 2017 01:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	4.6	7.0#
100	5.9	3.4	5.2#





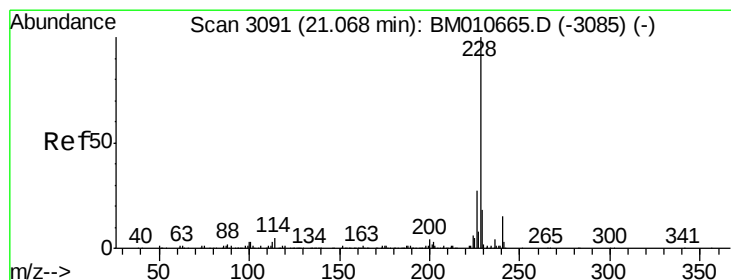
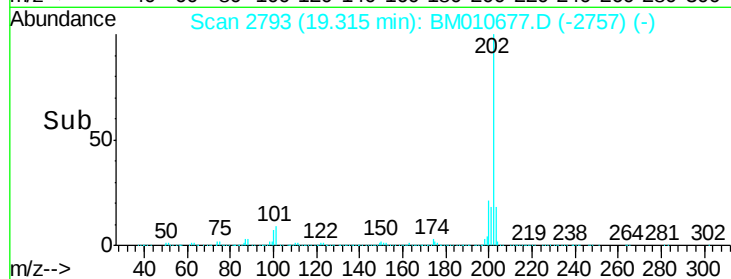
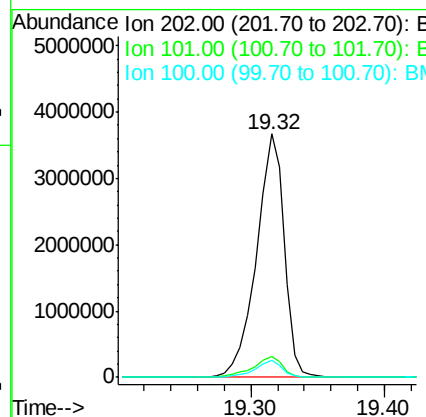
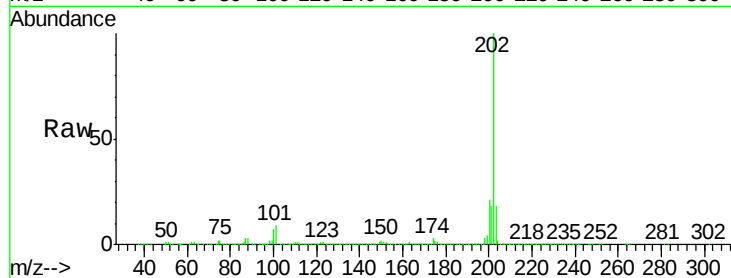
#77
 Pyrene
 Concen: 130.578 ng/ul
 RT: 19.32 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: BM010677.D
 Acq: 23 Jun 2017 01:32

Instrument :
 BNA_M
 ClientSampleId :
 F5B21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	5.1	7.7#
100	6.8	4.9	7.3

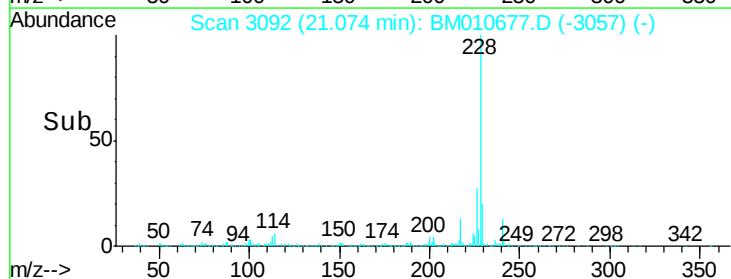
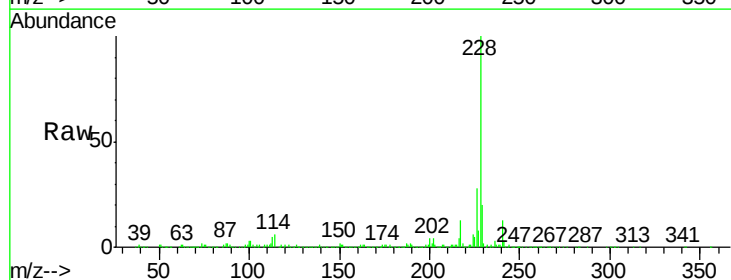
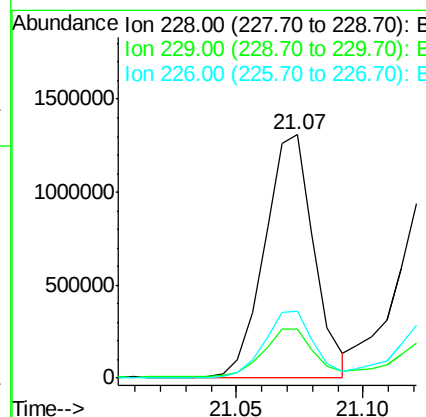
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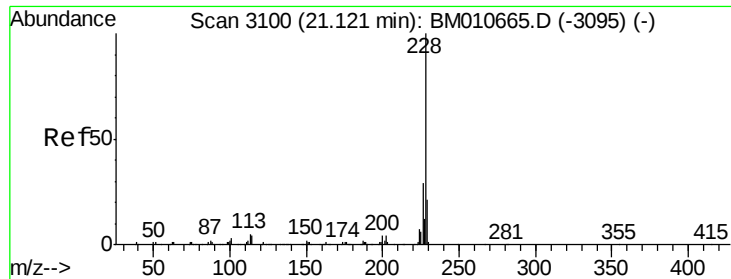
mohammad
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#80
 Benzo(a)anthracene
 Concen: 43.823 ng/ul
 RT: 21.07 min Scan# 3092
 Delta R.T. 0.01 min
 Lab File: BM010677.D
 Acq: 23 Jun 2017 01:32

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	27.5	21.4	32.0





#82

Chrysene

Concen: 35.230 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. -0.00 min

Lab File: BM010677.D

Acq: 23 Jun 2017 01:32

Instrument :

BNA_M

ClientSampleId :

F5B21

Tgt Ion:228 Resp: 1269244

Ion Ratio Lower Upper

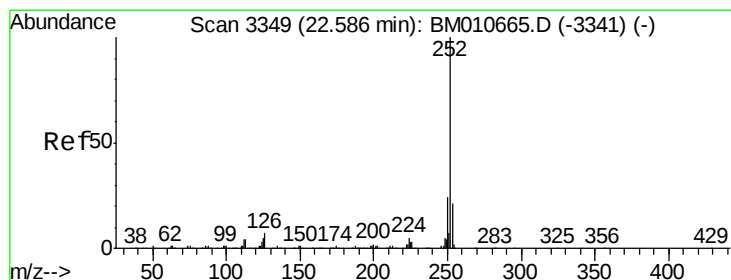
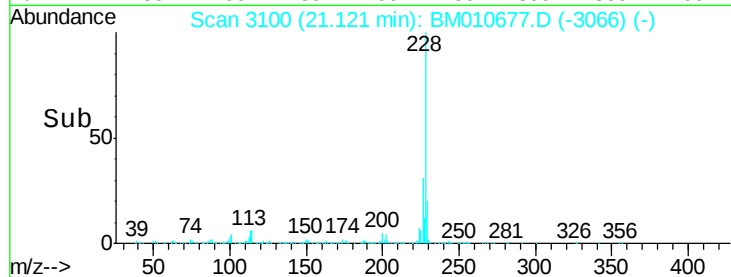
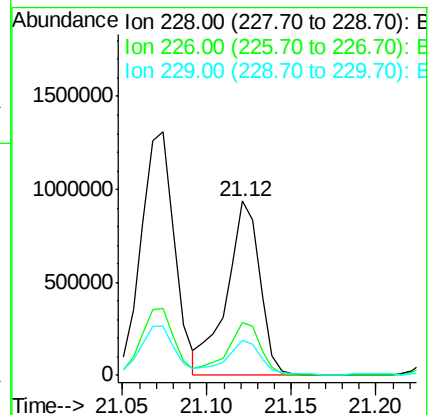
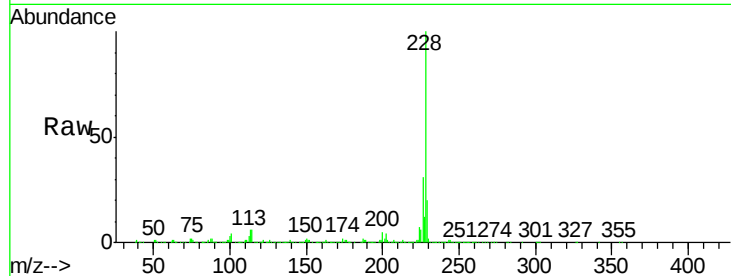
228 100

226 30.5 23.4 35.2

229 20.3 15.5 23.3

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#85

Benzo(b)fluoranthene

Concen: 24.713 ng/ul

RT: 22.59 min Scan# 3350

Delta R.T. 0.01 min

Lab File: BM010677.D

Acq: 23 Jun 2017 01:32

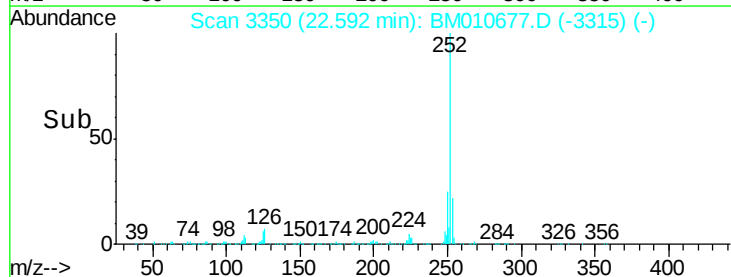
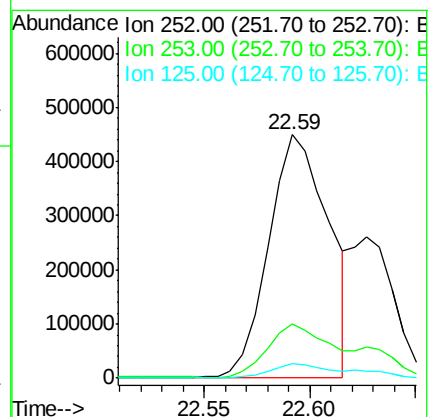
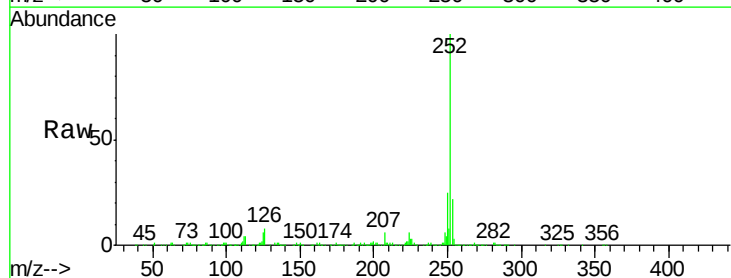
Tgt Ion:252 Resp: 885053

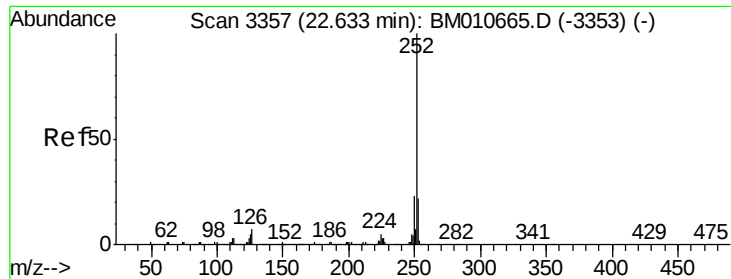
Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 5.9 3.6 5.4#





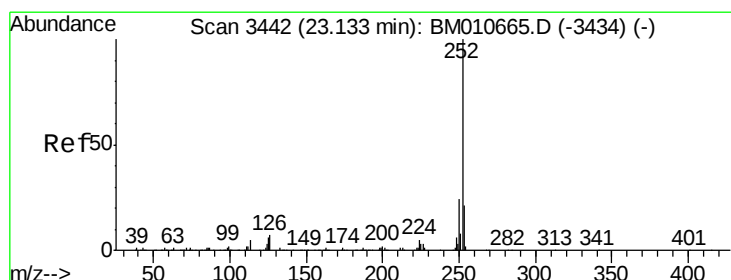
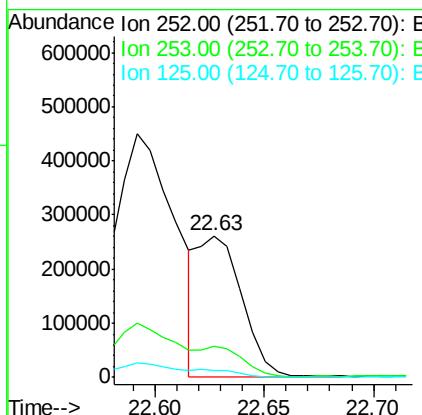
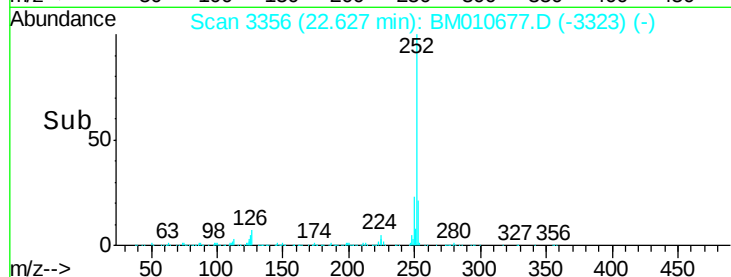
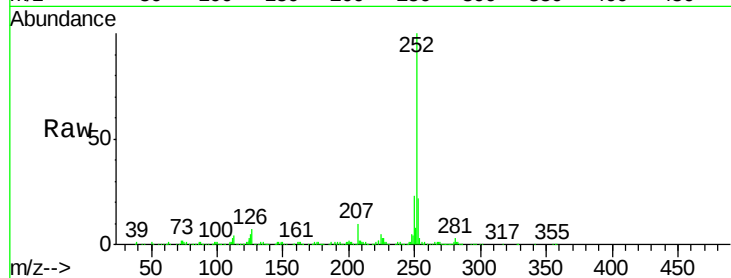
#86
Benzo(k)fluoranthene
Concen: 10.895 ng/ul m
RT: 22.63 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Instrument :
BNA_M
ClientSampleId :
F5B21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	369889		
253	22.1	17.1	25.7	
125	4.8	3.4	5.2	

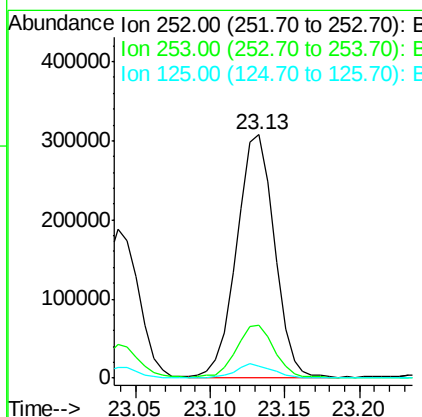
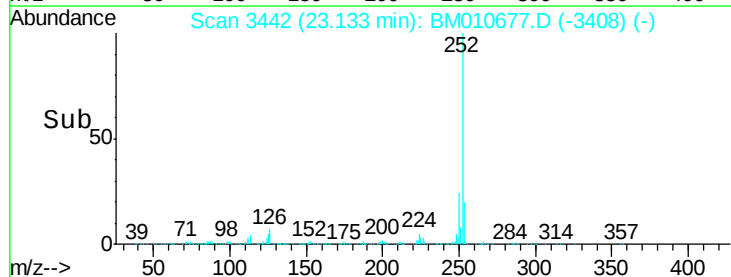
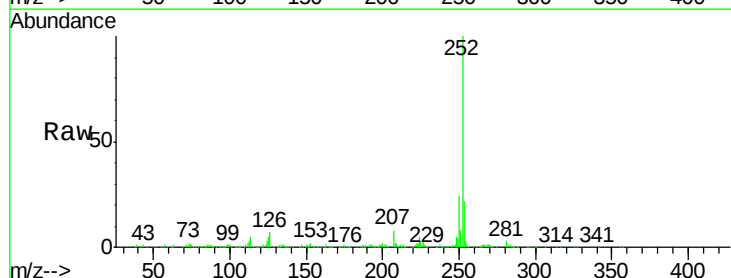
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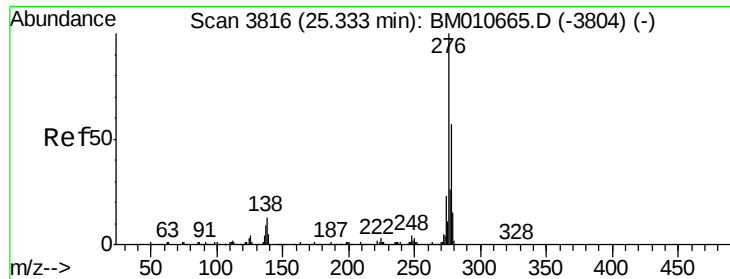
mohammad
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#88
Benzo(a)pyrene
Concen: 16.269 ng/ul
RT: 23.13 min Scan# 3442
Delta R.T. -0.00 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	536392		
253	21.9	18.2	27.2	
125	5.1	4.0	6.0	





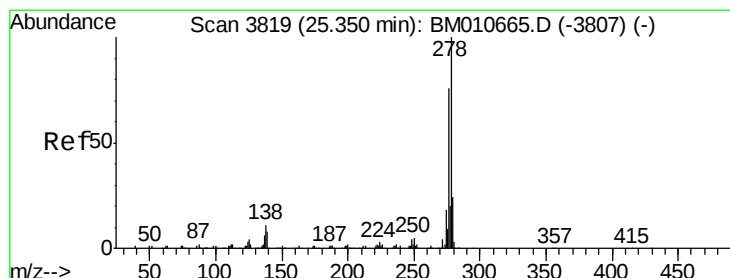
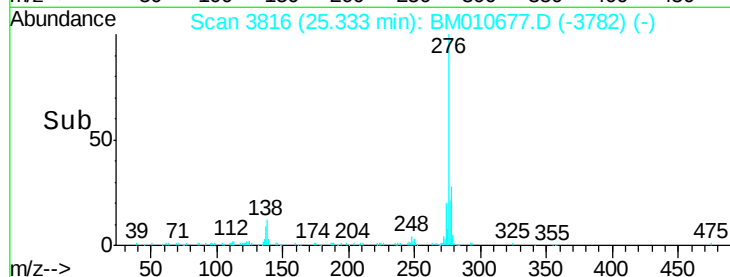
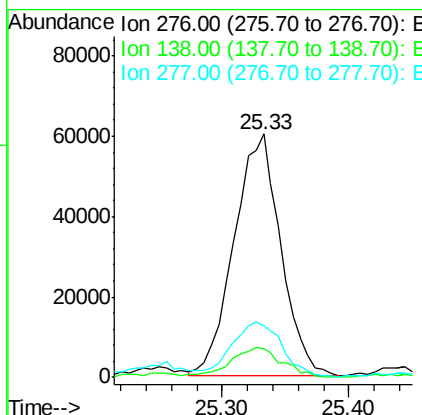
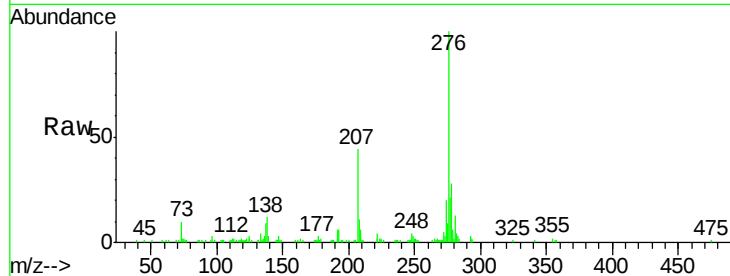
#89
Indeno(1,2,3-cd)pyrene
Concen: 4.498 ng/ul
RT: 25.33 min Scan# 3816
Delta R.T. -0.00 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Instrument :
BNA_M
ClientSampleId :
F5B21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.0	9.3	13.9
277	21.1	19.9	29.9

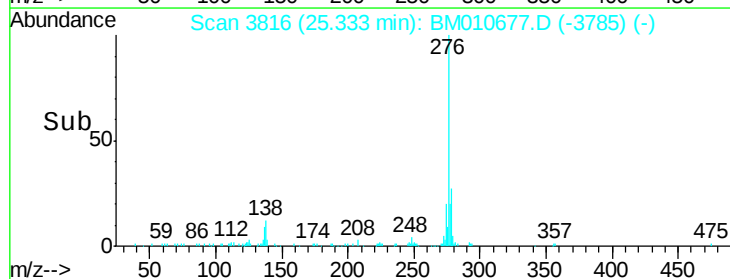
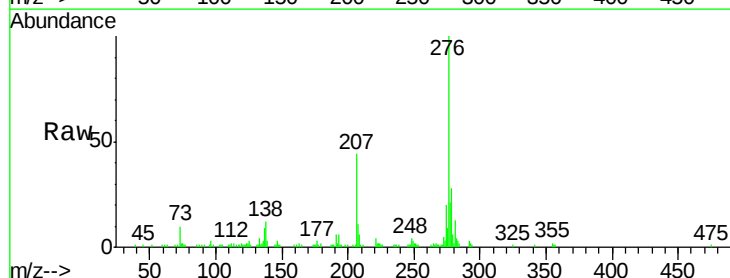
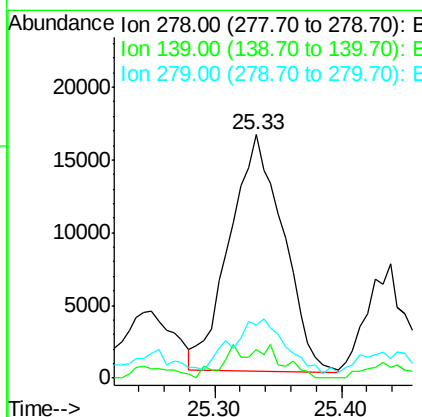
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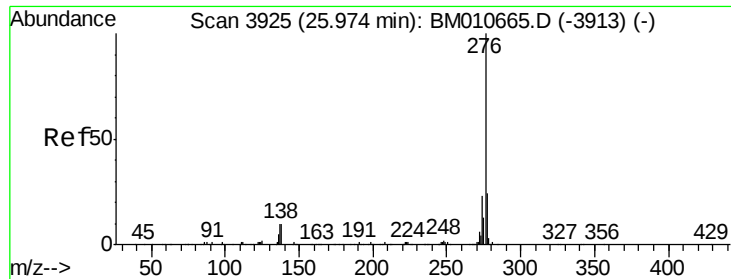
mohammad
6/26/2017 8:26:25 AM



#90
Dibenzo(a,h)anthracene
Concen: 1.676 ng/ul
RT: 25.33 min Scan# 3816
Delta R.T. -0.02 min
Lab File: BM010677.D
Acq: 23 Jun 2017 01:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.6	5.8	8.8#
279	21.6	18.6	27.8





#91
 Benzo(g,h,i)perylene
 Concen: 3.385 ng/ul
 RT: 25.98 min Scan# 3926
 Delta R.T. 0.01 min
 Lab File: BM010677.D
 Acq: 23 Jun 2017 01:32

Instrument :
 BNA_M
 ClientSampleId :
 F5B21

Tgt Ion:	276	Resp:	92135
Ion Ratio		Lower	Upper
276	100		
138	11.8	8.5	12.7
277	23.3	18.6	28.0

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