

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
 Data File : BM010673.D
 Acq On : 22 Jun 2017 23:09
 Operator : SJ/JU
 Sample : I3653-06 25X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5E19

Manual Integrations
 APPROVED

mohammad
 6/26/2017 8:26:13 AM

Quant Time: Jun 23 06:03:32 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	60374	20.00	ng/ul	0.00
18) Naphthalene-d8	10.24	136	272494	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.12	164	193670	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	448132	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	498088	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	359386	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	2072	0.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	1038	0.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	1344	0.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	1718	0.36	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	1572	0.81	ng/ul	0.03
22) 2-Nitrophenol-d4	9.32	143	683	0.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	1819	0.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	19946m	4.01	ng/ul	0.05
43) Dimethylphthalate-d6	13.53	166	9771	0.57	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	8375	0.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	1823	0.61	ng/ul	0.00
57) Fluorene-d10	15.12	176	10604	0.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.26	200	967	0.35	ng/ul	0.02
70) Anthracene-d10	16.98	188	13659	0.63	ng/ul	0.01
76) Pyrene-d10	19.28	212	15426	0.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	9375	0.54	ng/ul	0.00

Target Compounds

					Qvalue	
16) 4-Methylphenol	8.23	108	5407	1.088	ng/ul	100
28) Naphthalene	10.30	128	20323419	1498.720	ng/ul#	91
34) 2-Methylnaphthalene	11.92	142	3852593	353.426	ng/ul	96
40) 1,1'-Biphenyl	12.94	154	916071	60.502	ng/ul	98
47) Acenaphthylene	13.83	152	258126	13.705	ng/ul#	96
49) Acenaphthene	14.19	153	3269113	257.295	ng/ul	99
53) Dibenzofuran	14.53	168	3666547	190.551	ng/ul	93
54) 2,4-Dinitrotoluene	14.48	165	7292	1.628	ng/ul#	40
58) Fluorene	15.19	166	3963232	246.009	ng/ul	100
69) Phenanthrene	16.93	178	17404635m	730.540	ng/ul	
71) Anthracene	17.02	178	2328632	94.873	ng/ul	99
72) Carbazole	17.28	167	1142826	53.368	ng/ul	98
74) Fluoranthene	18.96	202	11750171	382.693	ng/ul#	93
77) Pyrene	19.32	202	7404722	257.379	ng/ul#	95
80) Benzo(a)anthracene	21.07	228	2108998	72.710	ng/ul	97
82) Chrysene	21.13	228	1575199	60.910	ng/ul	96
85) Benzo(b)fluoranthene	22.59	252	966198	41.416	ng/ul	97
86) Benzo(k)fluoranthene	22.63	252	307585m	13.908	ng/ul	
88) Benzo(a)pyrene	23.13	252	535882	24.951	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.33	276	152283	6.836	ng/ul	96
90) Dibenzo(a,h)anthracene	25.33	278	44121	2.377	ng/ul#	80
91) Benzo(g,h,i)perylene	25.97	276	93921	5.297	ng/ul#	97

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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

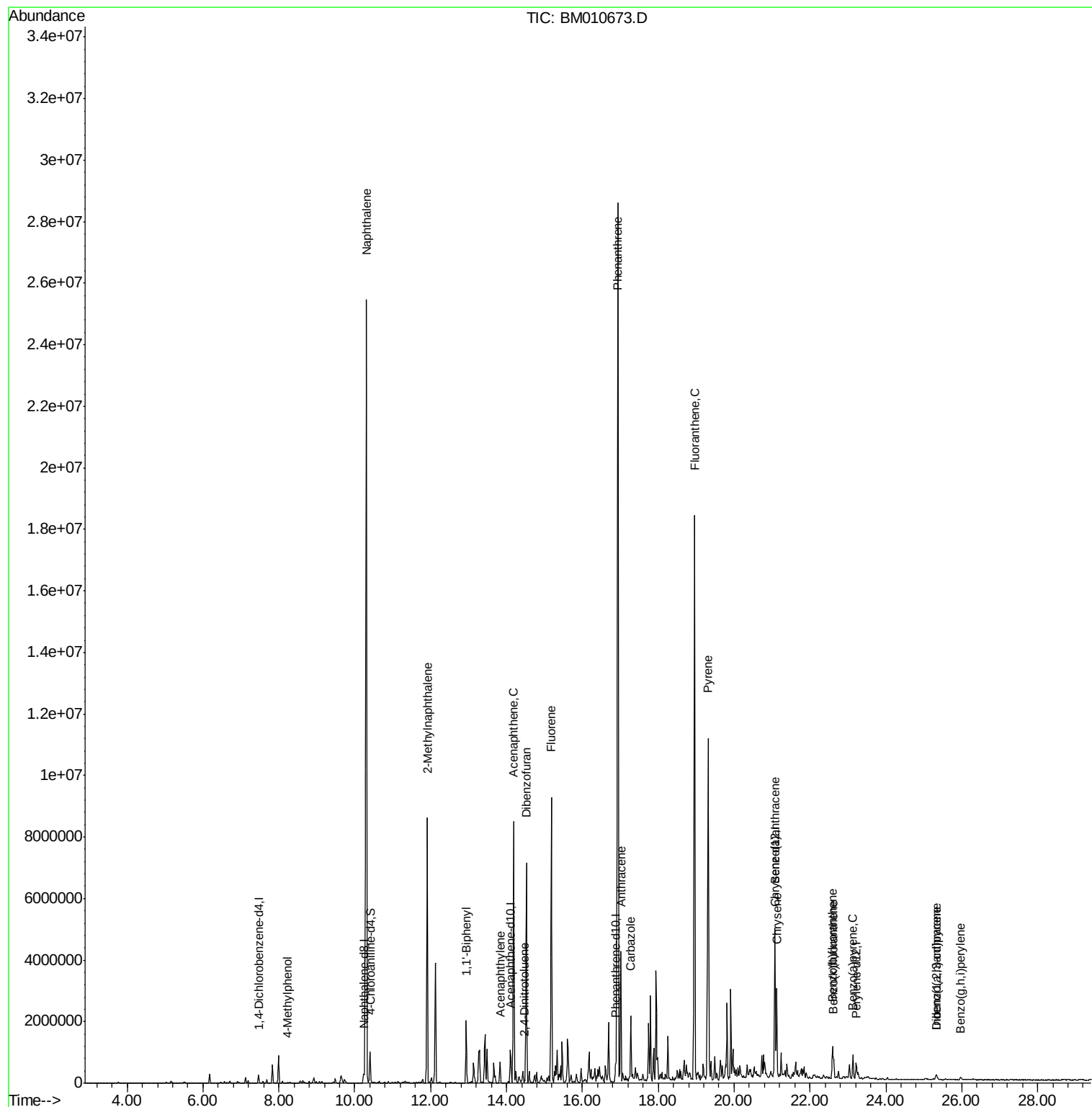
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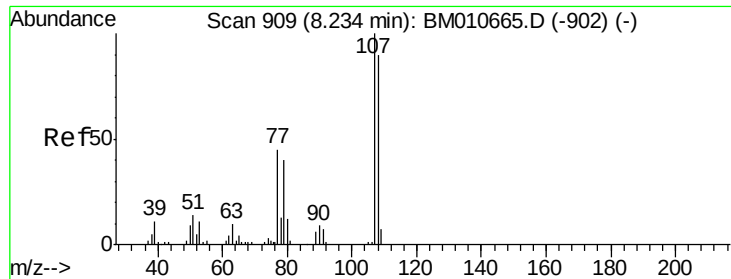
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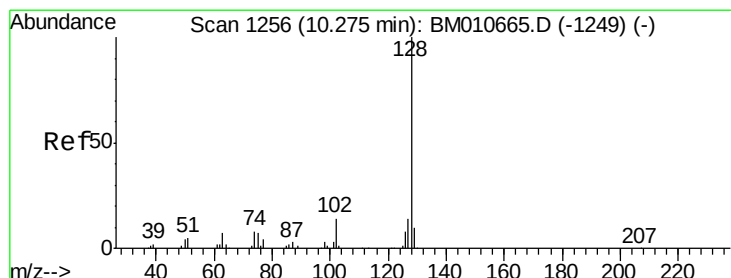
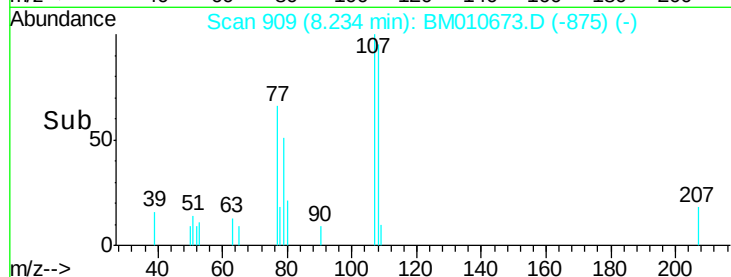
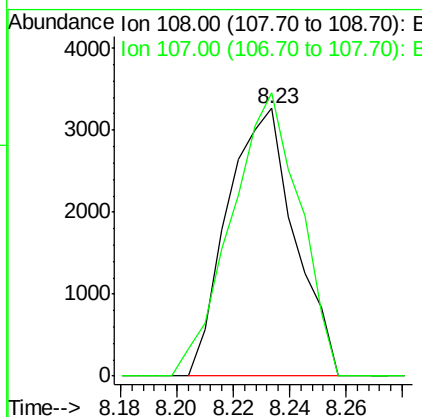
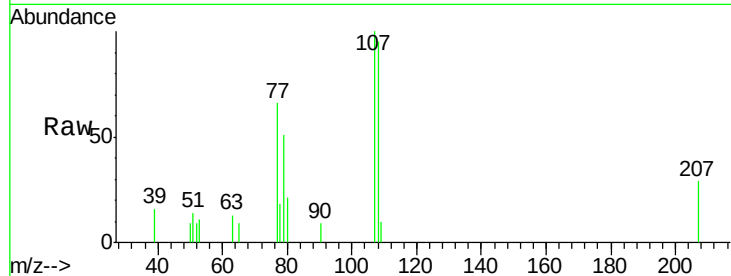
#16
4-Methylphenol
Concen: 1.088 ng/ul
RT: 8.23 min Scan# 909
Delta R.T. -0.00 min
Lab File: BM010673.D
Acq: 22 Jun 2017 23:09

Instrument :
BNA_M
ClientSampleId :
F5E19

Tgt Ion	Ratio	Lower	Upper
108	100		
107	105.8	84.9	127.3

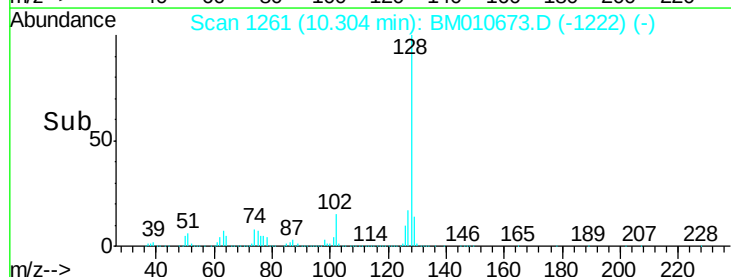
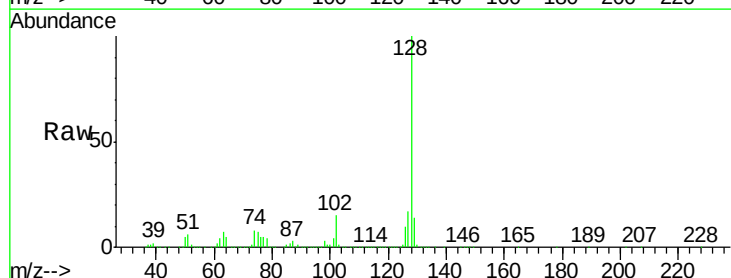
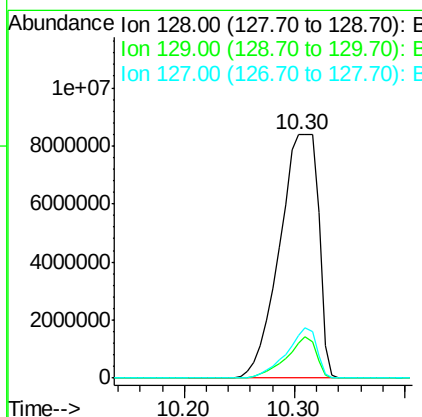
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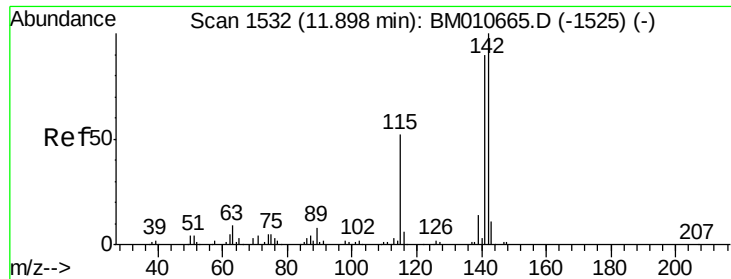
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#28
Naphthalene
Concen: 1498.720 ng/ul
RT: 10.30 min Scan# 1261
Delta R.T. 0.03 min
Lab File: BM010673.D
Acq: 22 Jun 2017 23:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.2	8.8	13.2#
127	17.3	10.6	16.0#





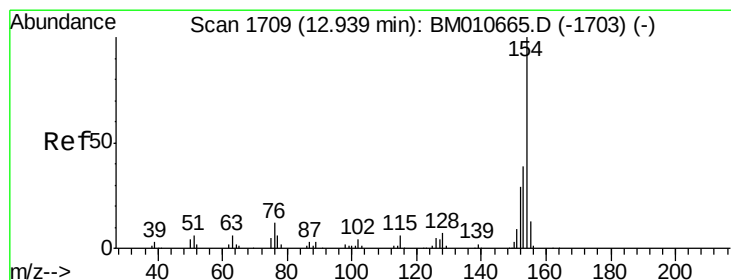
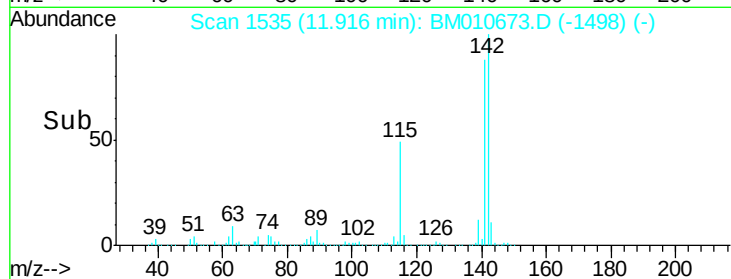
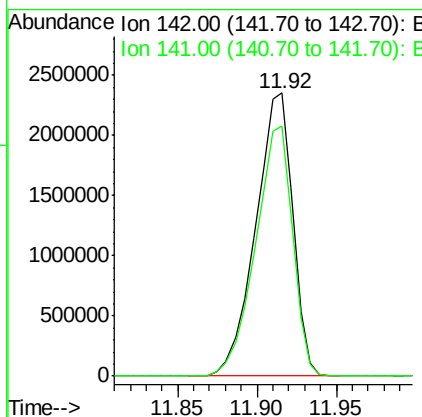
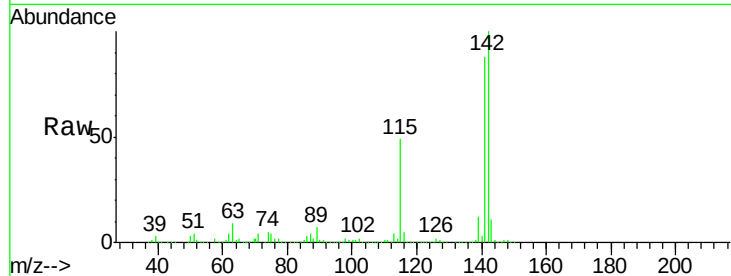
#34
 2-Methylnaphthalene
 Concen: 353.426 ng/ul
 RT: 11.92 min Scan# 1535
 Delta R.T. 0.02 min
 Lab File: BM010673.D
 Acq: 22 Jun 2017 23:09

Instrument :
 BNA_M
 ClientSampled :
 F5E19

Tgt Ion:142 Resp: 3852593
 Ion Ratio Lower Upper
 142 100
 141 88.4 74.1 111.1

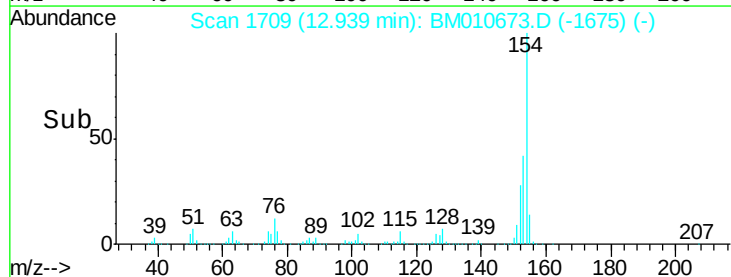
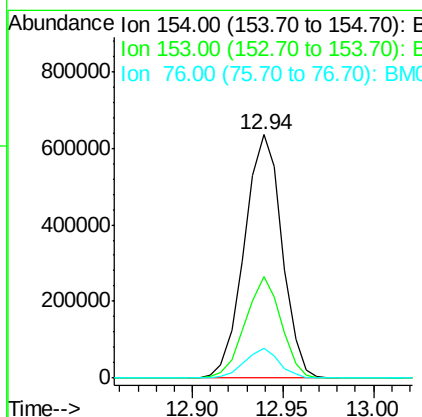
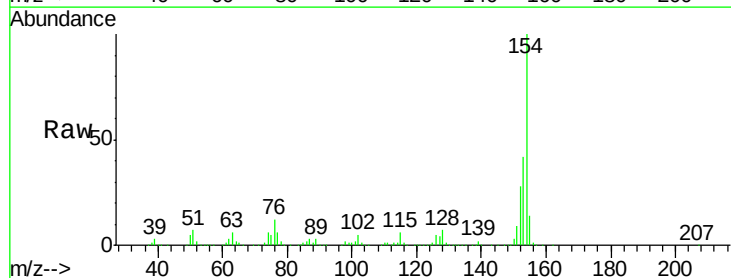
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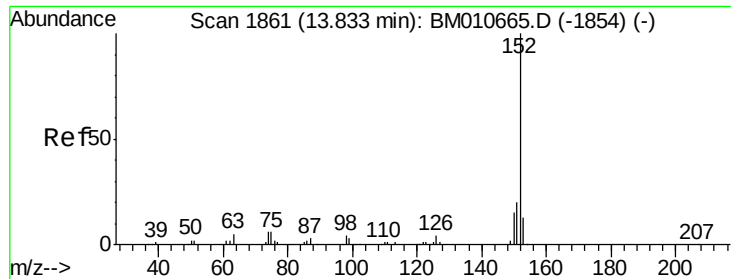
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#40
 1,1'-Biphenyl
 Concen: 60.502 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BM010673.D
 Acq: 22 Jun 2017 23:09

Tgt Ion:154 Resp: 916071
 Ion Ratio Lower Upper
 154 100
 153 41.9 32.6 48.8
 76 12.2 8.5 12.7





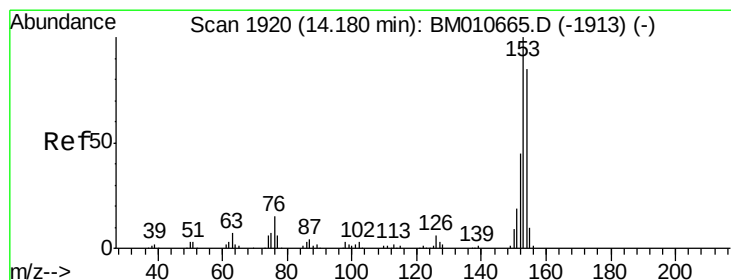
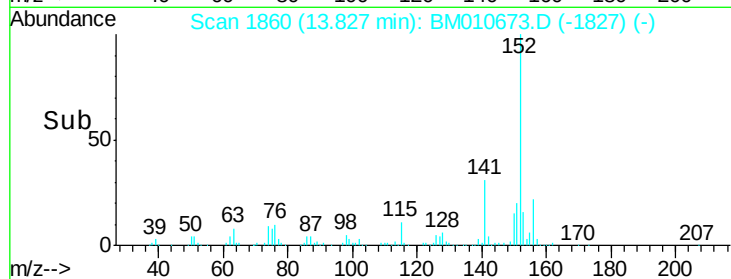
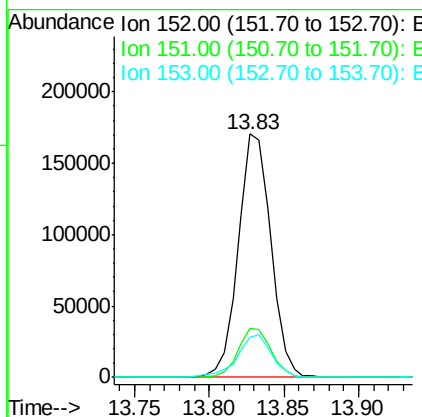
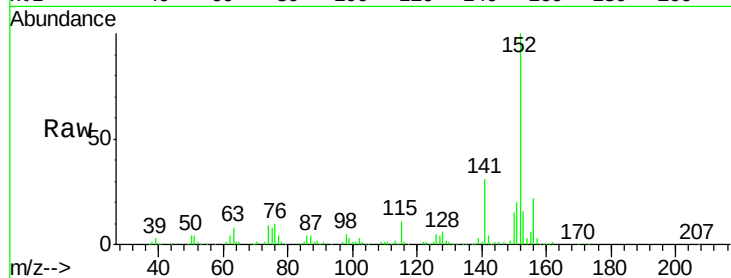
#47
Acenaphthylene
Concen: 13.705 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM010673.D
Acq: 22 Jun 2017 23:09

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	258126		
151	20.3		16.3	24.5
153	16.5		10.2	15.4

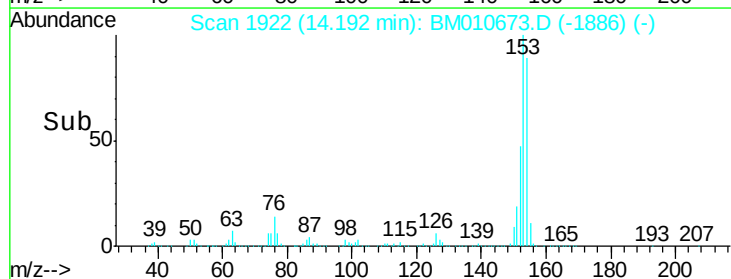
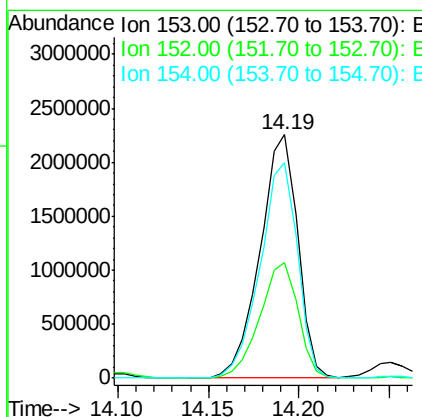
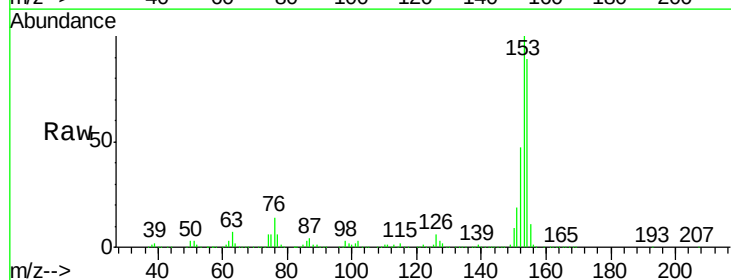
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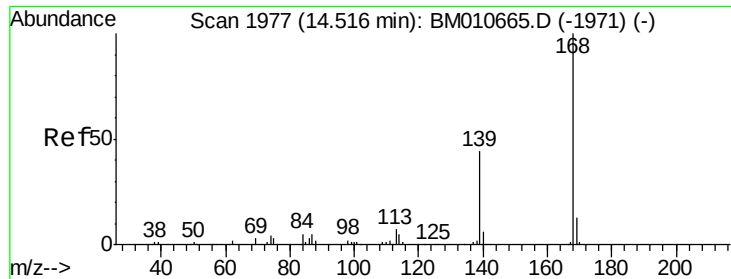
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#49
Acenaphthene
Concen: 257.295 ng/ul
RT: 14.19 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BM010673.D
Acq: 22 Jun 2017 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	3269113		
152	47.4		37.6	56.4
154	88.5		70.4	105.6





#53

Dibenzofuran

Concen: 190.551 ng/ul

RT: 14.53 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BM010673.D

Acq: 22 Jun 2017 23:09

Instrument :

BNA_M

ClientSampleId :

F5E19

Tgt Ion:168 Resp: 3666547

Ion Ratio Lower Upper

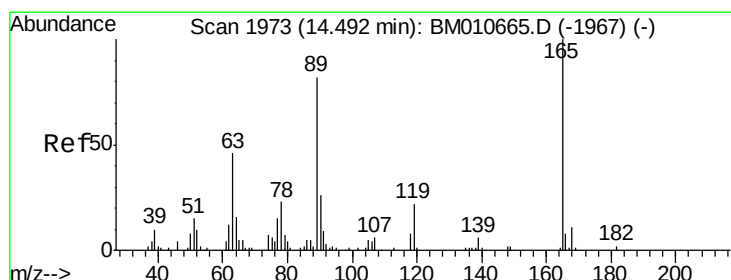
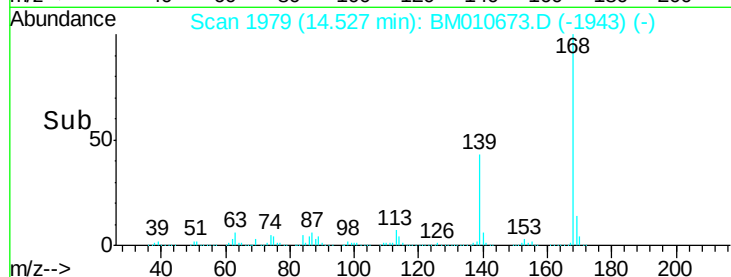
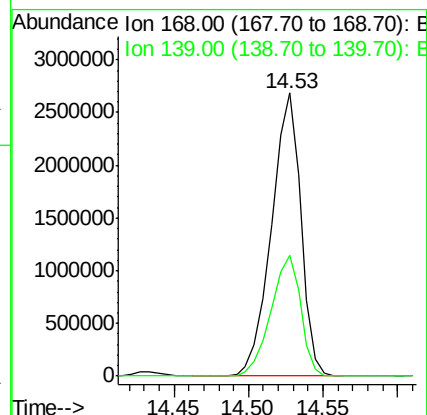
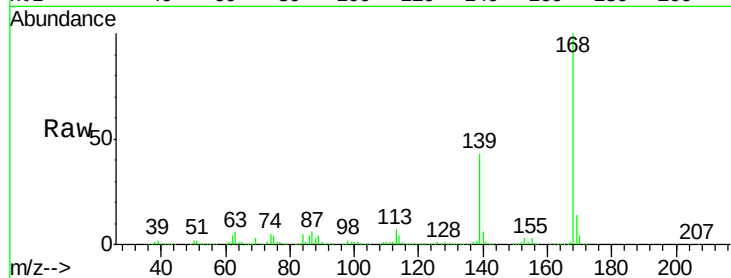
168 100

139 42.8 30.8 46.2

Manual Integrations
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#54

2,4-Dinitrotoluene

Concen: 1.628 ng/ul

RT: 14.48 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BM010673.D

Acq: 22 Jun 2017 23:09

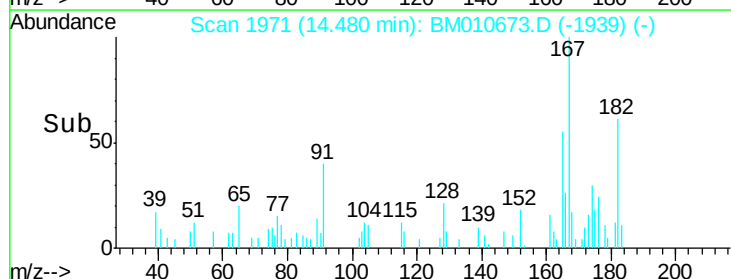
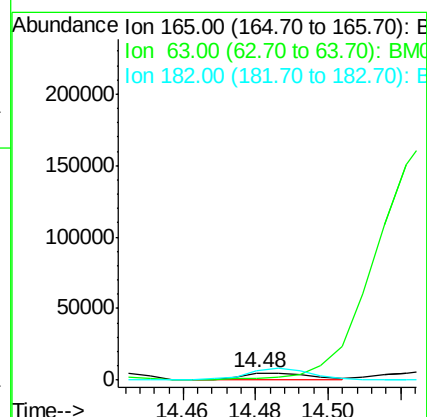
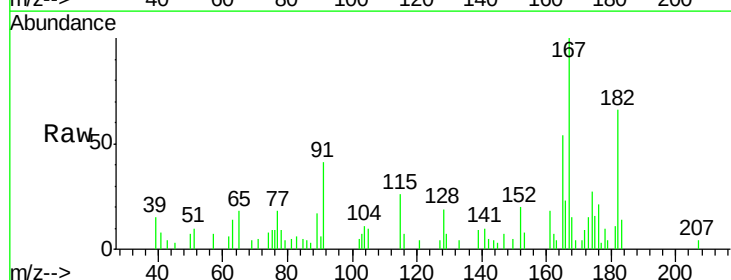
Tgt Ion:165 Resp: 7292

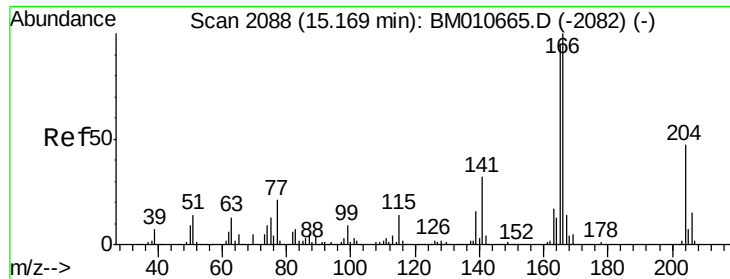
Ion Ratio Lower Upper

165 100

63 25.5 45.8 68.8#

182 122.0 2.6 4.0#





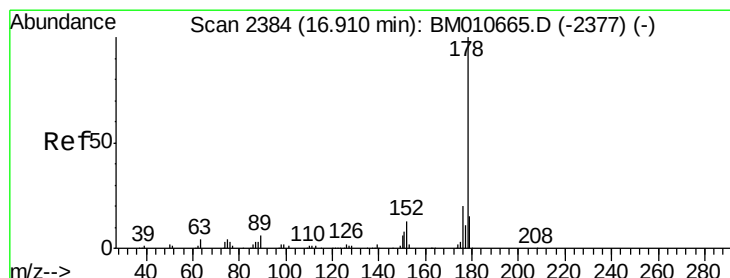
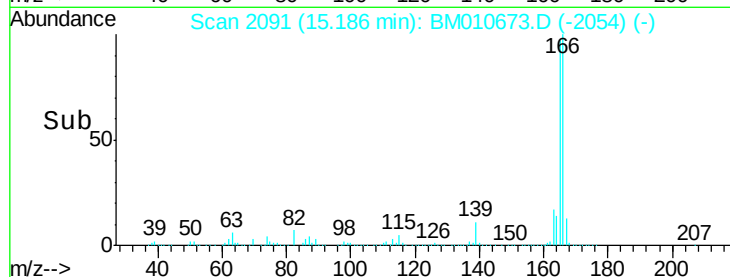
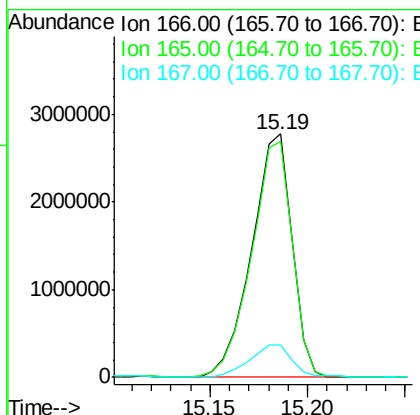
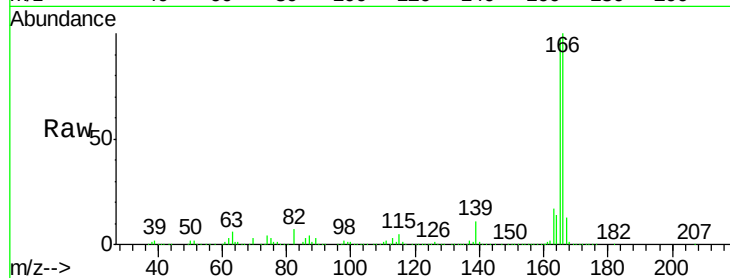
#58
 Fluorene
 Concen: 246.009 ng/ul
 RT: 15.19 min Scan# 2091
 Delta R.T. 0.02 min
 Lab File: BM010673.D
 Acq: 22 Jun 2017 23:09

Instrument :
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 ClientSampleId :
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Tgt Ion:166 Resp: 3963232
 Ion Ratio Lower Upper
 166 100
 165 97.1 77.9 116.9
 167 13.2 10.6 16.0

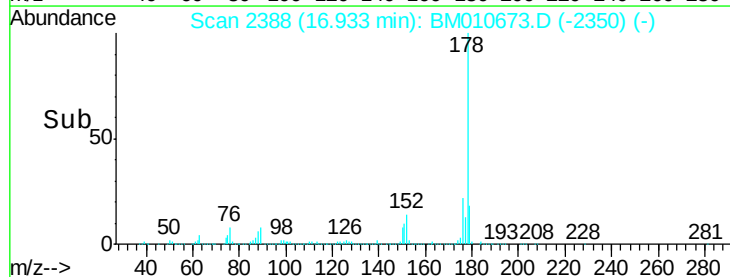
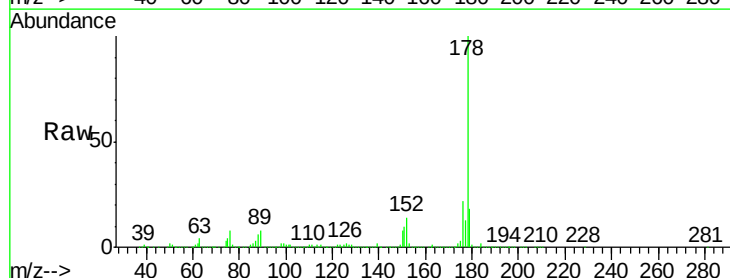
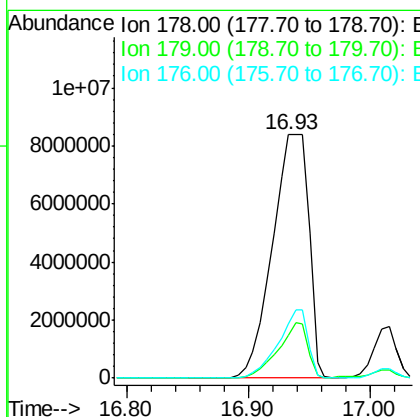
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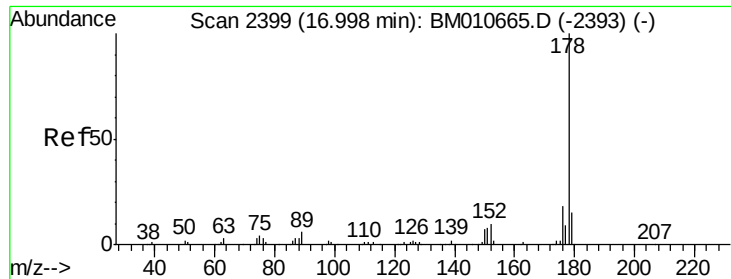
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#69
 Phenanthrene
 Concen: 730.540 ng/ul m
 RT: 16.93 min Scan# 2388
 Delta R.T. 0.02 min
 Lab File: BM010673.D
 Acq: 22 Jun 2017 23:09

Tgt Ion:178 Resp:17404635
 Ion Ratio Lower Upper
 178 100
 179 17.7 12.6 19.0
 176 22.4 14.9 22.3#





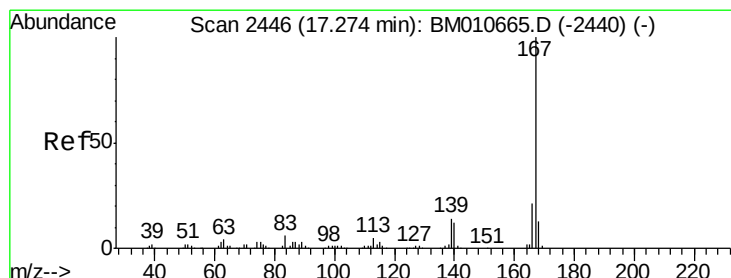
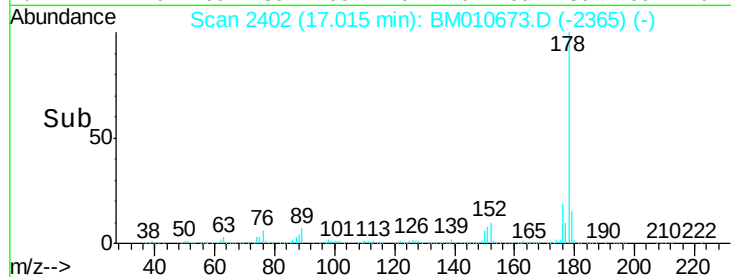
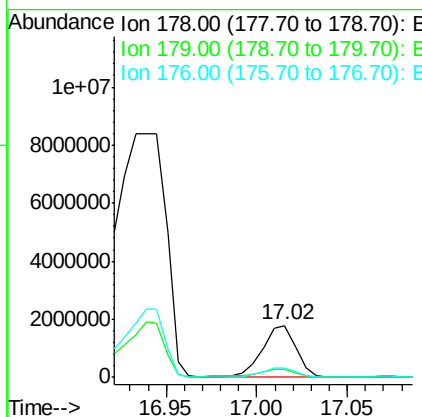
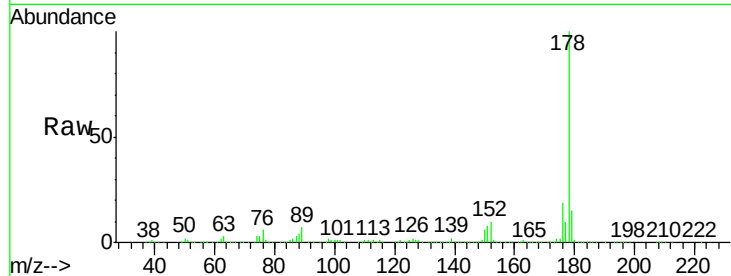
#71
 Anthracene
 Concen: 94.873 ng/ul
 RT: 17.02 min Scan# 2402
 Delta R.T. 0.02 min
 Lab File: BM010673.D
 Acq: 22 Jun 2017 23:09

Instrument :
 BNA_M
 ClientSampleId :
 F5E19

Tgt Ion:178 Resp: 2328632
 Ion Ratio Lower Upper
 178 100
 179 15.2 11.7 17.5
 176 18.8 14.6 21.8

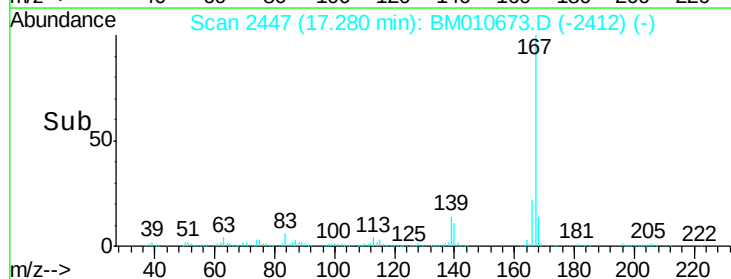
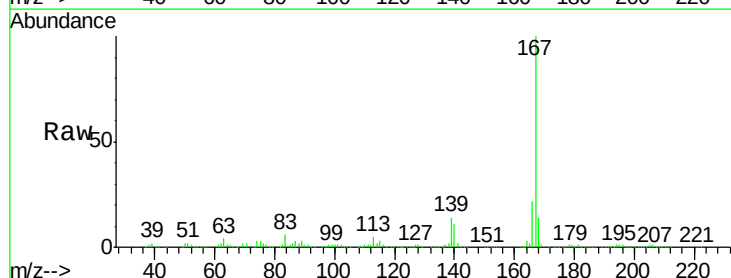
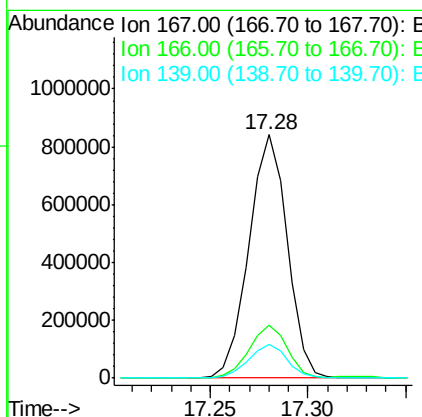
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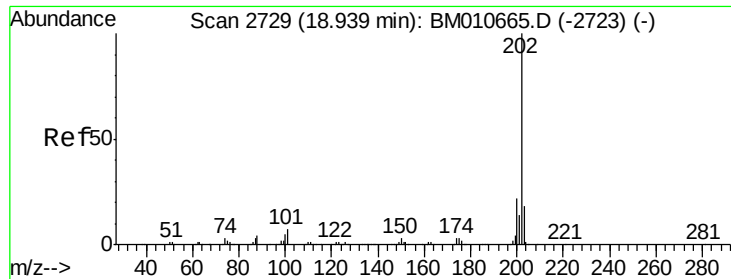
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#72
 Carbazole
 Concen: 53.368 ng/ul
 RT: 17.28 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BM010673.D
 Acq: 22 Jun 2017 23:09

Tgt Ion:167 Resp: 1142826
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.1 25.7
 139 13.9 10.0 15.0





#74

Fluoranthene

Concen: 382.693 ng/ul

RT: 18.96 min Scan# 2733

Delta R.T. 0.02 min

Lab File: BM010673.D

Acq: 22 Jun 2017 23:09

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ClientSampleId :

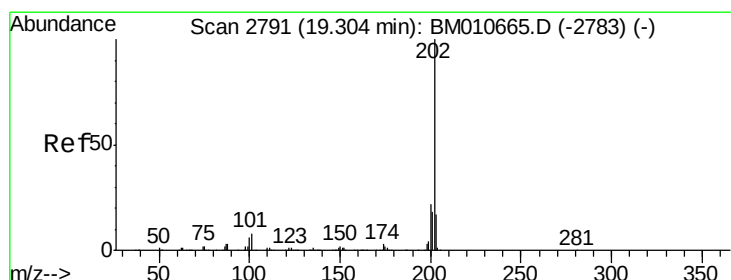
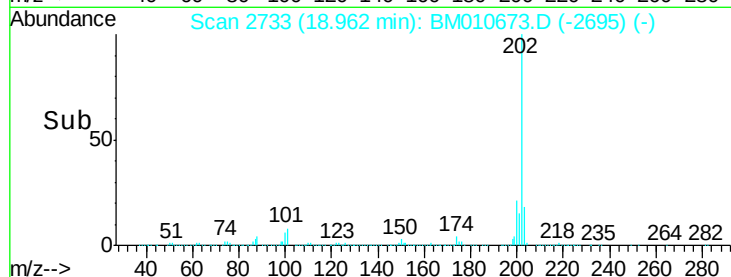
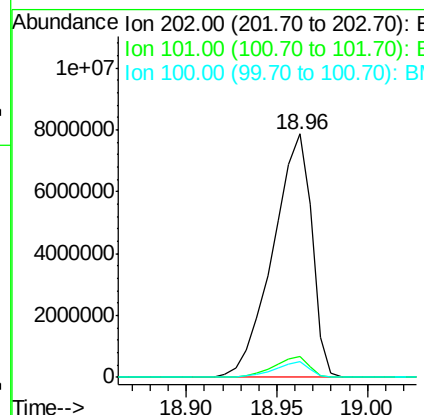
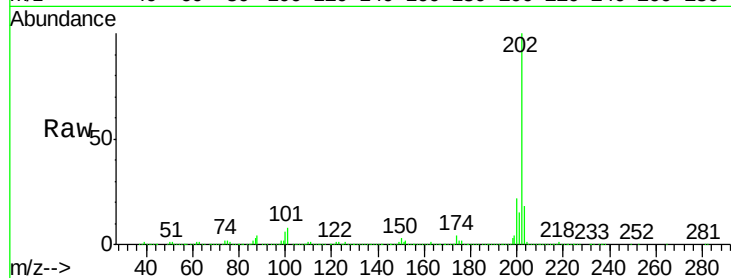
F5E19

Tgt Ion:202 Resp:11750171

Ion	Ratio	Lower	Upper
202	100		
101	8.4	4.6	7.0#
100	6.2	3.4	5.2#

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#77

Pyrene

Concen: 257.379 ng/ul

RT: 19.32 min Scan# 2794

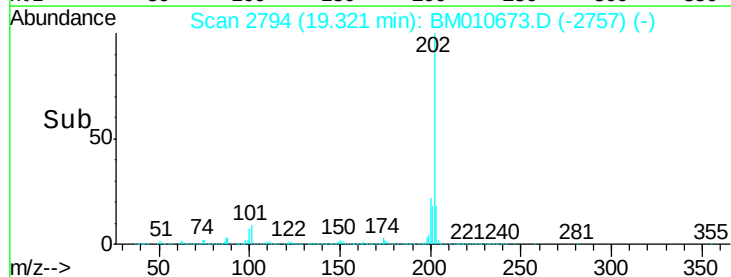
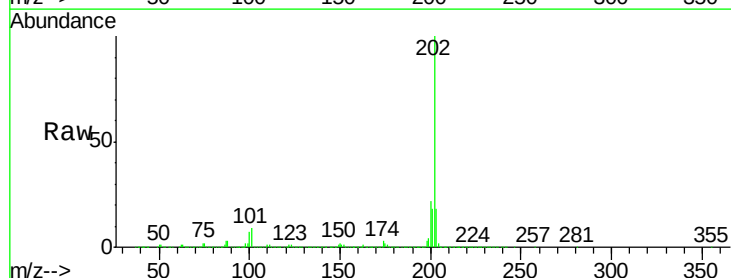
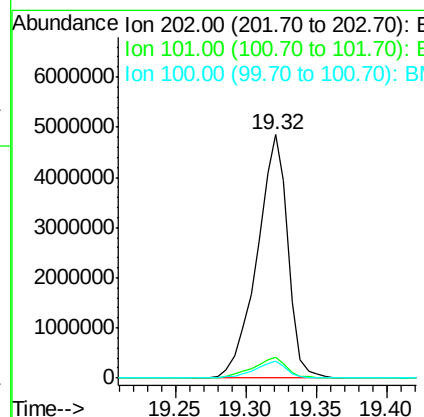
Delta R.T. 0.02 min

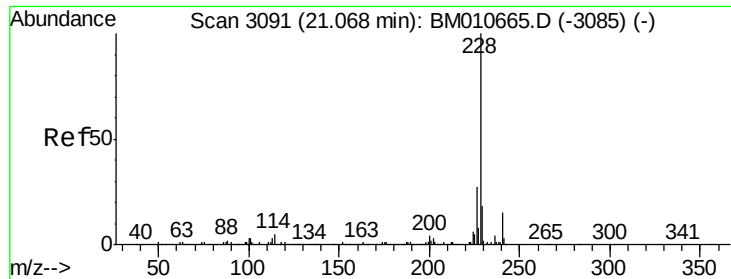
Lab File: BM010673.D

Acq: 22 Jun 2017 23:09

Tgt Ion:202 Resp: 7404722

Ion	Ratio	Lower	Upper
202	100		
101	8.8	5.1	7.7#
100	7.3	4.9	7.3





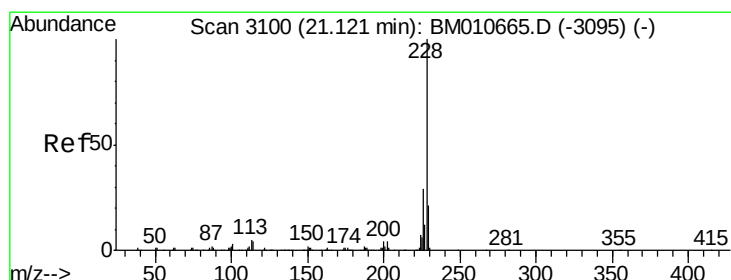
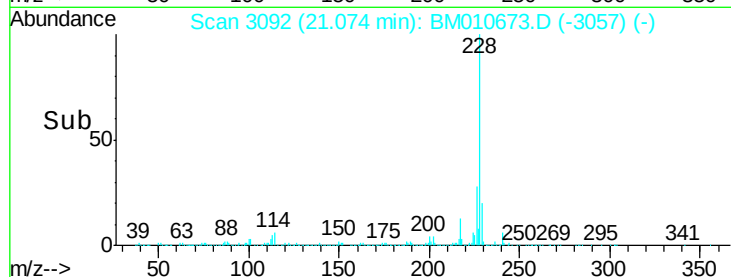
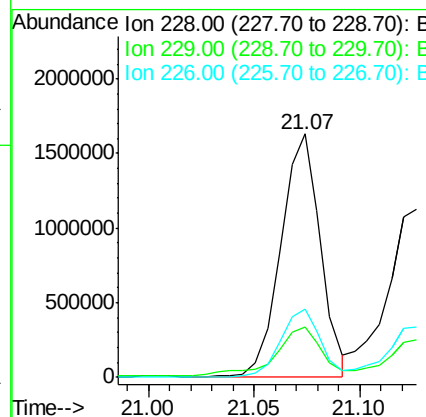
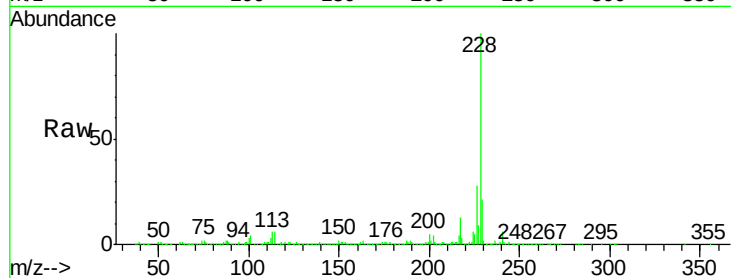
#80
Benzo(a)anthracene
Concen: 72.710 ng/ul
RT: 21.07 min Scan# 3092
Delta R.T. 0.01 min
Lab File: BM010673.D
Acq: 22 Jun 2017 23:09

Instrument :
BNA_M
ClientSampleId :
F5E19

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.4	23.0
226	28.2	21.4	32.0

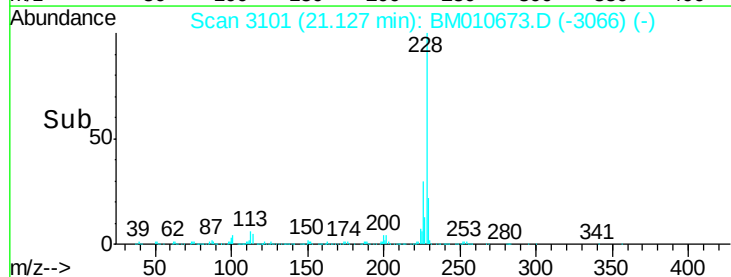
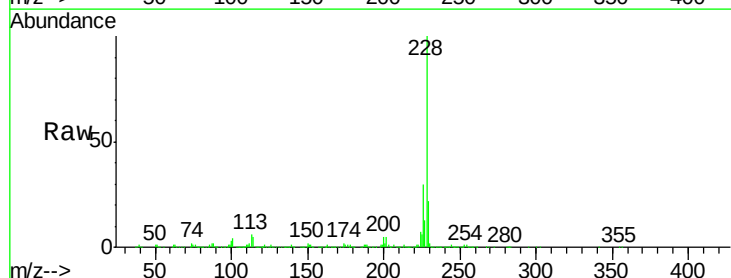
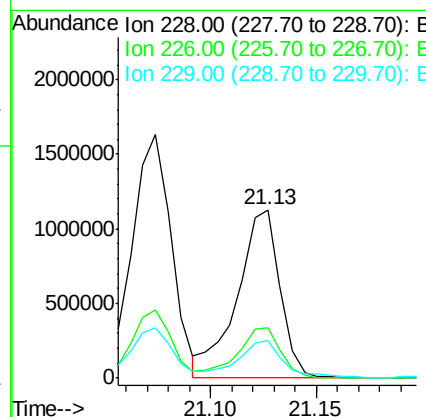
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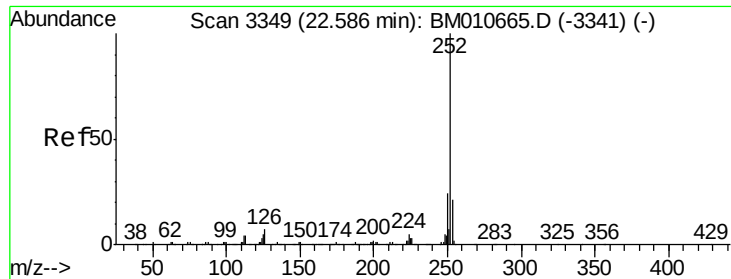
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#82
Chrysene
Concen: 60.910 ng/ul
RT: 21.13 min Scan# 3101
Delta R.T. 0.01 min
Lab File: BM010673.D
Acq: 22 Jun 2017 23:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	22.5	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 41.416 ng/ul

RT: 22.59 min Scan# 3350

Delta R.T. 0.01 min

Lab File: BM010673.D

Acq: 22 Jun 2017 23:09

Instrument :

BNA_M

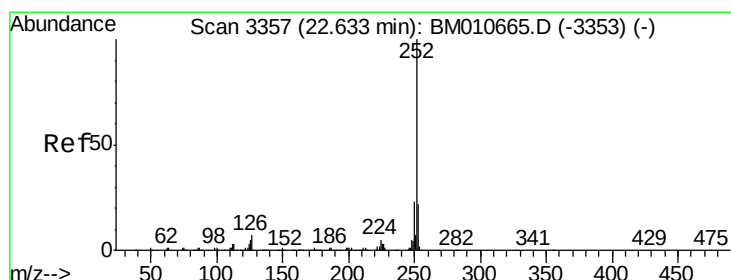
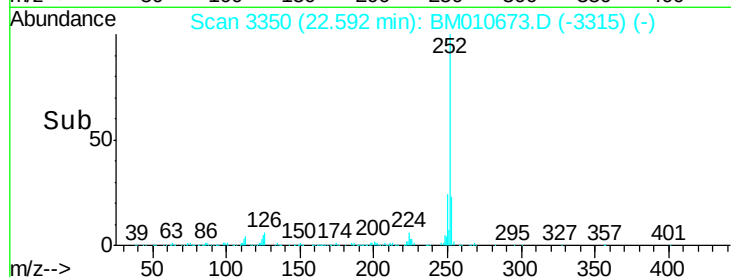
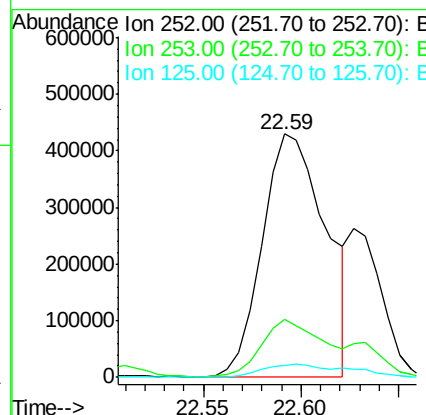
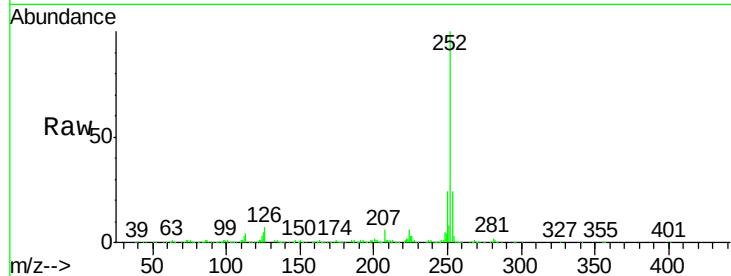
ClientSampled :

F5E19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	966198		
253	24.0	17.9	26.9	
125	5.0	3.6	5.4	

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#86

Benzo(k)fluoranthene

Concen: 13.908 ng/ul m

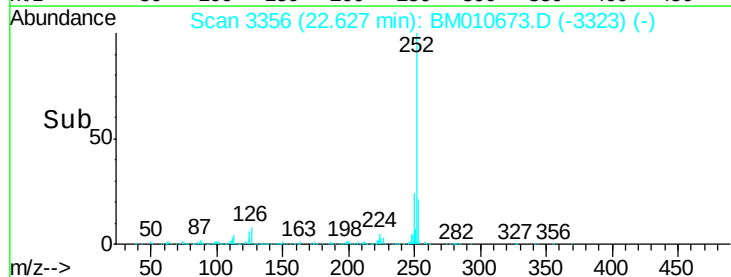
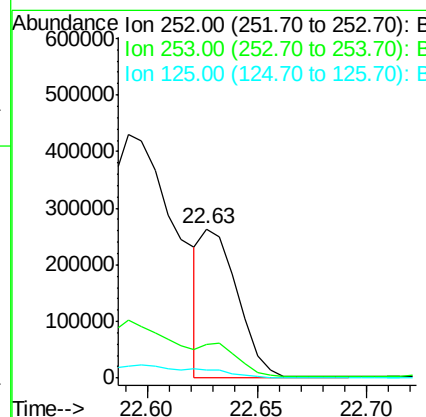
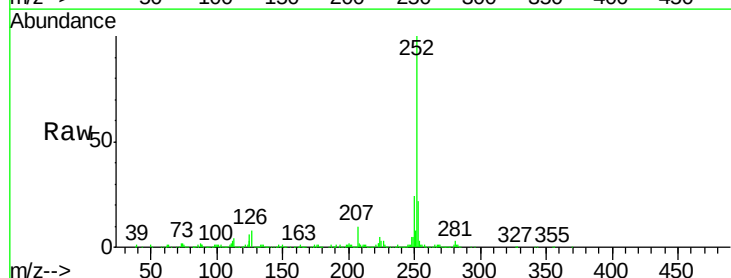
RT: 22.63 min Scan# 3356

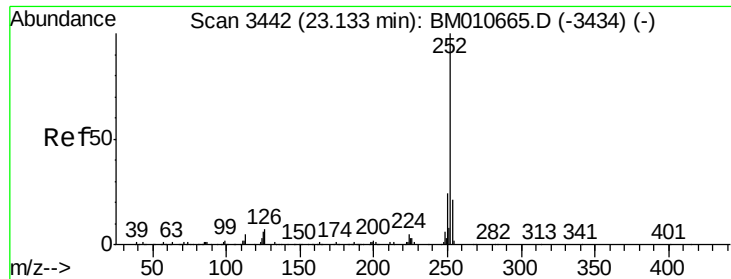
Delta R.T. -0.01 min

Lab File: BM010673.D

Acq: 22 Jun 2017 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	307585		
253	22.5	17.1	25.7	
125	5.8	3.4	5.2#	





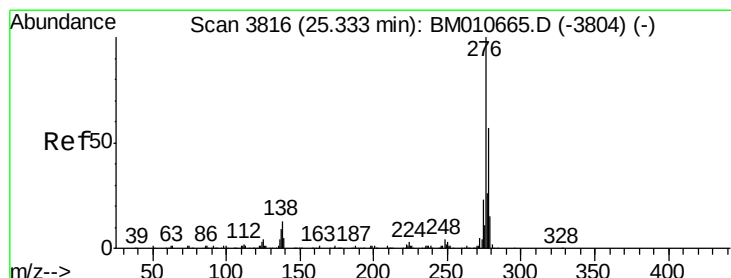
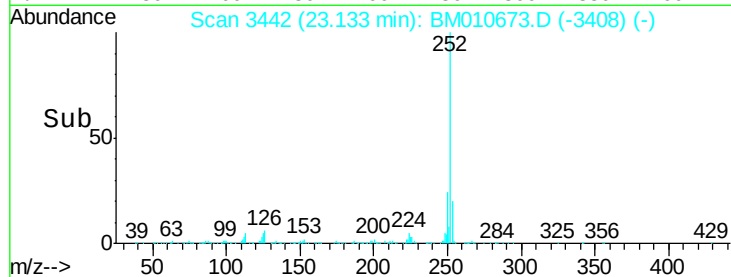
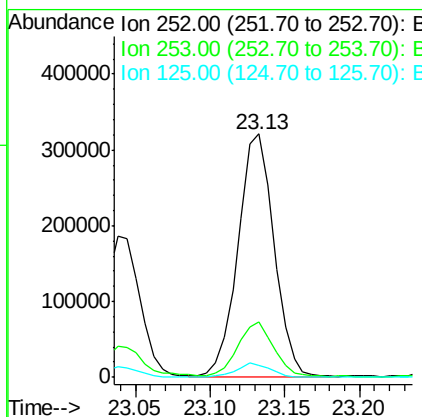
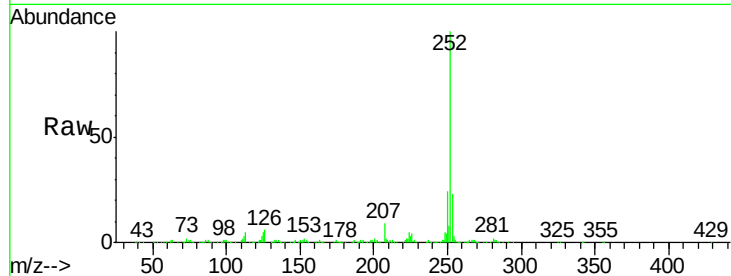
#88
Benzo(a)pyrene
Concen: 24.951 ng/ul
RT: 23.13 min Scan# 3442
Delta R.T. -0.00 min
Lab File: BM010673.D
Acq: 22 Jun 2017 23:09

Instrument :
BNA_M
ClientSampleId :
F5E19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	535882		
253	22.8	18.2	27.2	
125	5.1	4.0	6.0	

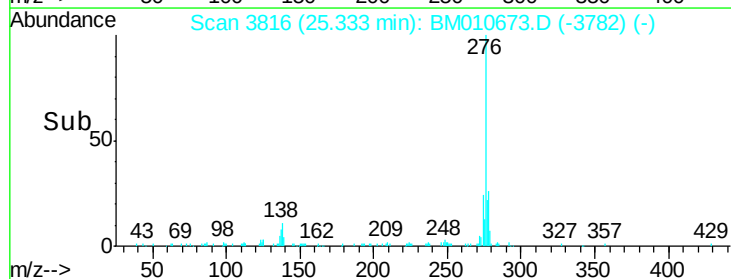
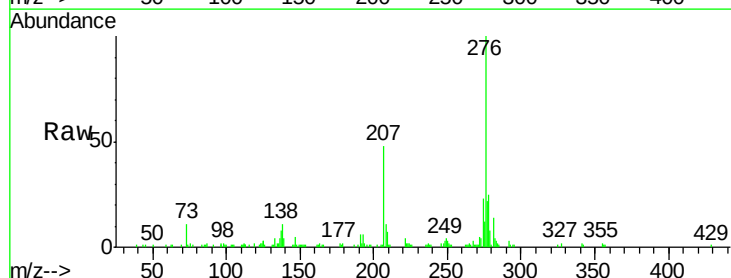
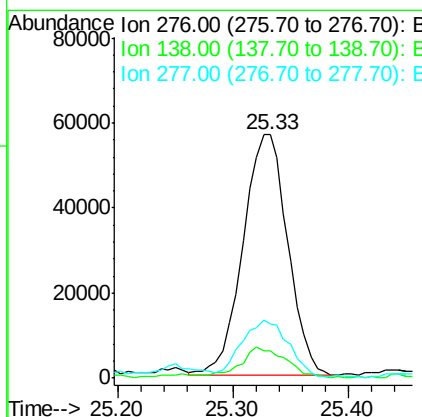
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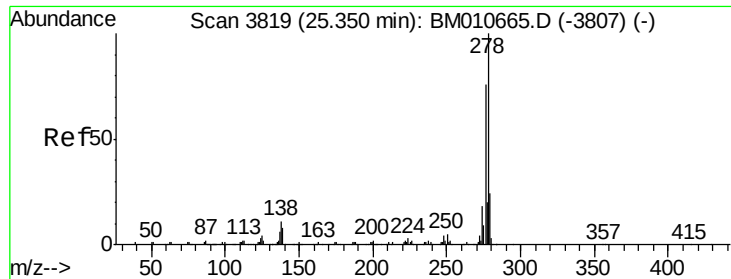
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#89
Indeno(1,2,3-cd)pyrene
Concen: 6.836 ng/ul
RT: 25.33 min Scan# 3816
Delta R.T. -0.00 min
Lab File: BM010673.D
Acq: 22 Jun 2017 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	152283		
138	11.0	9.3	13.9	
277	22.3	19.9	29.9	





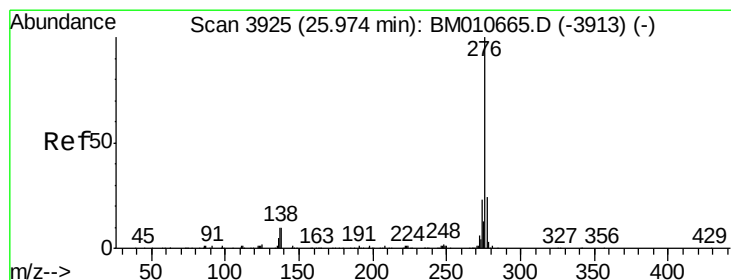
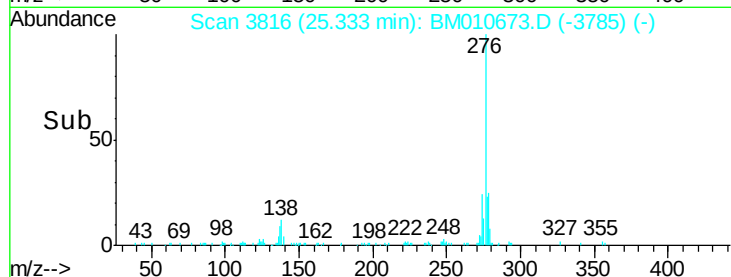
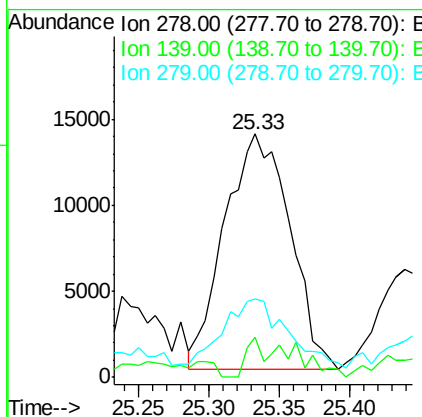
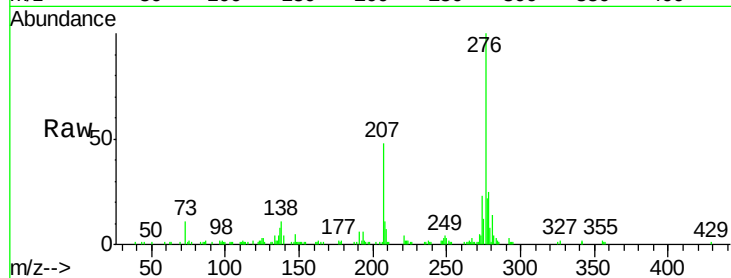
#90
Dibenzo(a,h)anthracene
Concen: 2.377 ng/ul
RT: 25.33 min Scan# 3816
Delta R.T. -0.02 min
Lab File: BM010673.D
Acq: 22 Jun 2017 23:09

Instrument :
BNA_M
ClientSampleId :
F5E19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	5.8	8.8#
279	32.1	18.6	27.8#

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#91
Benzo(g,h,i)perylene
Concen: 5.297 ng/ul
RT: 25.97 min Scan# 3924
Delta R.T. -0.01 min
Lab File: BM010673.D
Acq: 22 Jun 2017 23:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.6	8.5	12.7#
277	22.8	18.6	28.0

