

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
 Data File : BM010671.D
 Acq On : 22 Jun 2017 21:57
 Operator : SJ/JU
 Sample : I3558-17ME 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F5D33ME

Manual Integrations
 APPROVED

mohammad
 6/26/2017 8:26:08 AM

Quant Time: Jun 23 05:50:20 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	63902	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	283141	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	198506	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	501477	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	599788	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	468324	20.00	ng/ul	0.00

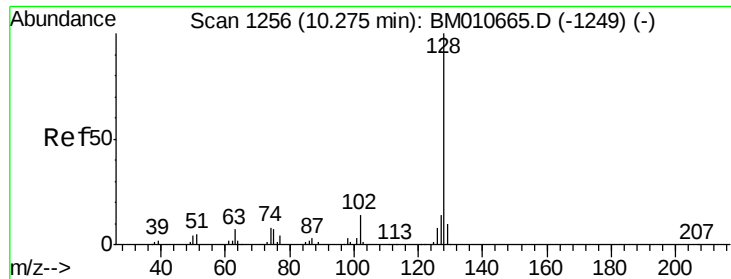
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	569	0.51	ng/uL	0.01
5) Phenol-d5	6.65	99	12347	2.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	7967	2.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	9916	2.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	11140	2.21	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	4890	2.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	6042	2.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	12334	2.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	17708	3.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	47784	2.74	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	51849	2.56	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	5624	1.83	ng/ul	0.00
57) Fluorene-d10	15.12	176	41253	2.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	5895	1.91	ng/ul	0.00
70) Anthracene-d10	16.97	188	66291	2.74	ng/ul	0.00
76) Pyrene-d10	19.27	212	83882	3.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	61568	2.72	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.28	128	2151624	152.702	ng/ul	99
34) 2-Methylnaphthalene	11.90	142	465317	41.082	ng/ul	94
40) 1,1'-Biphenyl	12.93	154	124549	8.025	ng/ul	96
47) Acenaphthylene	13.83	152	24278	1.258	ng/ul#	93
49) Acenaphthene	14.17	153	361827	27.784	ng/ul	99
53) Dibenzofuran	14.52	168	461974	23.424	ng/ul	92
58) Fluorene	15.17	166	446080	27.015	ng/ul	98
69) Phenanthrene	16.92	178	2077835	77.937	ng/ul	98
71) Anthracene	17.00	178	320383	11.664	ng/ul	98
72) Carbazole	17.27	167	199585	8.329	ng/ul	98
74) Fluoranthene	18.94	202	1325653	38.583	ng/ul	97
77) Pyrene	19.30	202	874834	25.252	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	278135	7.963	ng/ul	99
82) Chrysene	21.12	228	216976	6.967	ng/ul	95
85) Benzo(b)fluoranthene	22.59	252	140624	4.626	ng/ul	99
86) Benzo(k)fluoranthene	22.62	252	43615m	1.513	ng/ul	
88) Benzo(a)pyrene	23.13	252	76371	2.729	ng/ul	97

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



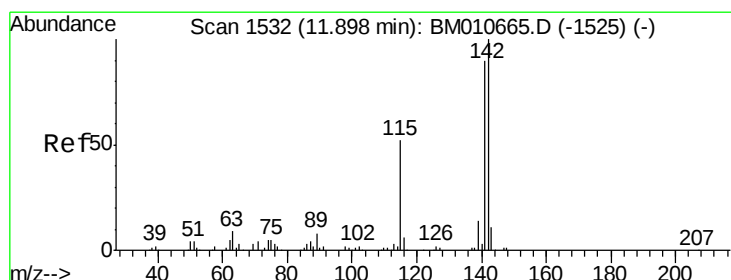
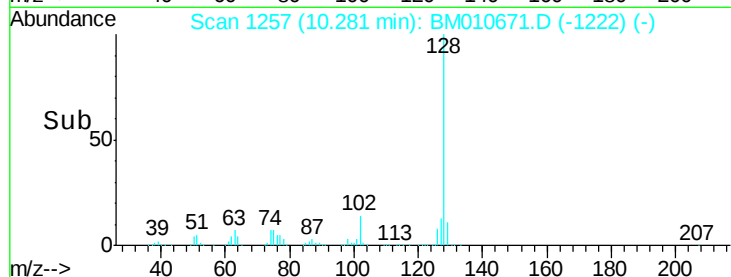
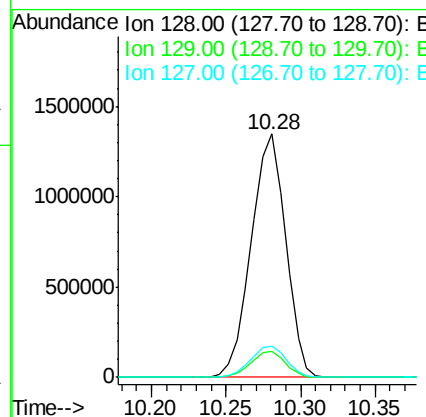
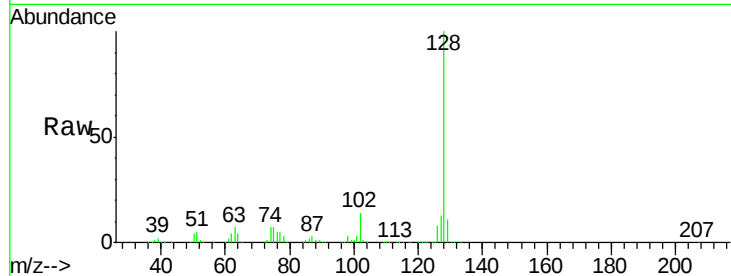
#28
Naphthalene
Concen: 152.702 ng/ul
RT: 10.28 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BM010671.D
Acq: 22 Jun 2017 21:57

Instrument :
BNA_M
ClientSampleId :
F5D33ME

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.0	10.6	16.0

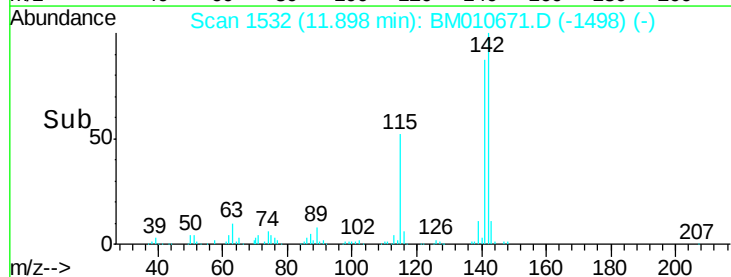
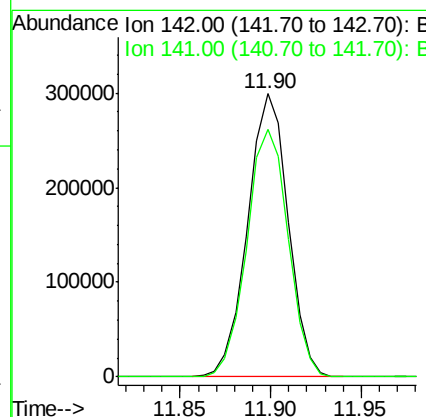
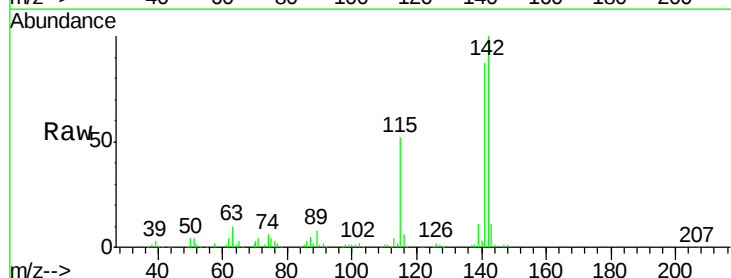
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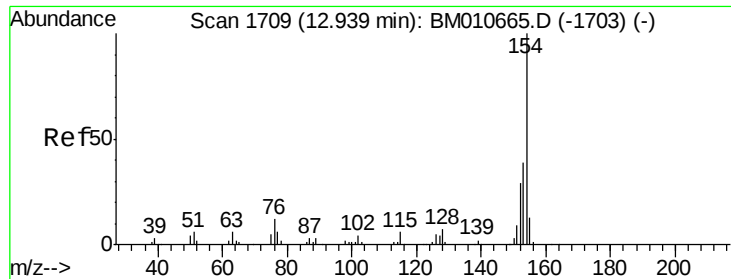
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#34
2-Methylnaphthalene
Concen: 41.082 ng/ul
RT: 11.90 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BM010671.D
Acq: 22 Jun 2017 21:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	74.1	111.1





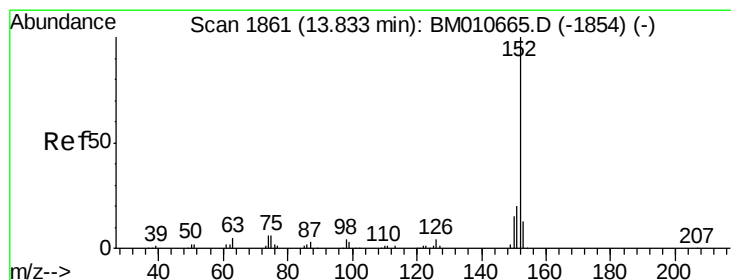
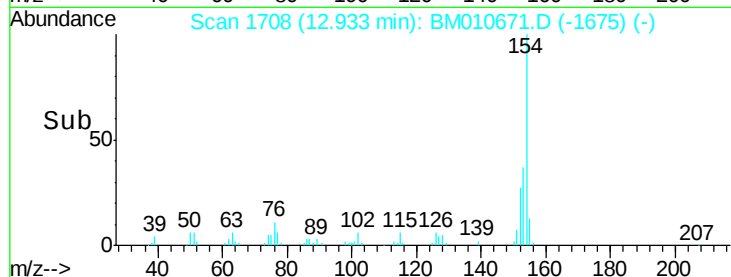
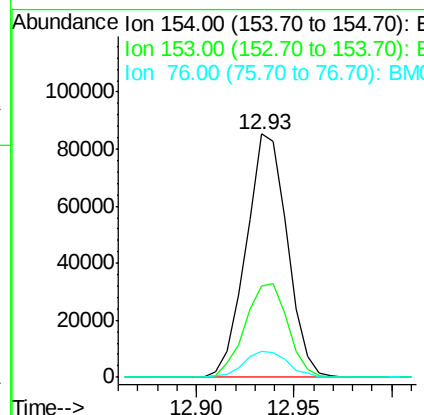
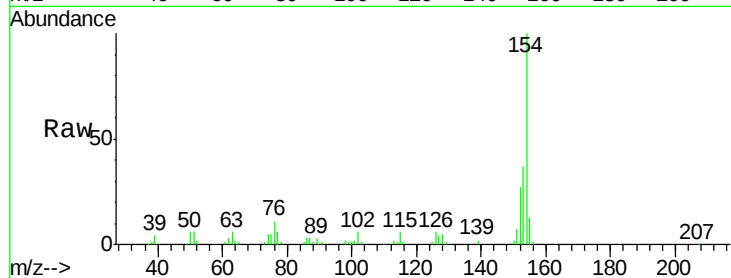
#40
 1,1'-Biphenyl
 Concen: 8.025 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BM010671.D
 Acq: 22 Jun 2017 21:57

Instrument :
 BNA_M
 ClientSampleId :
 F5D33ME

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	124549		
153	37.3	32.6	48.8	
76	10.8	8.5	12.7	

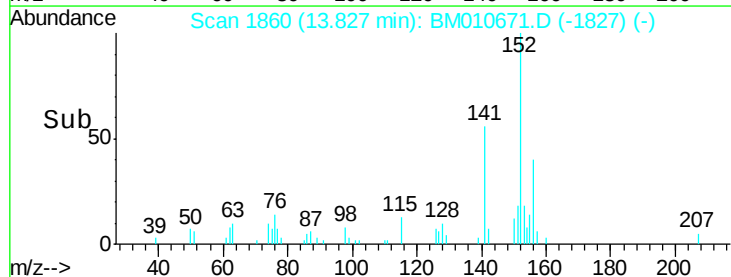
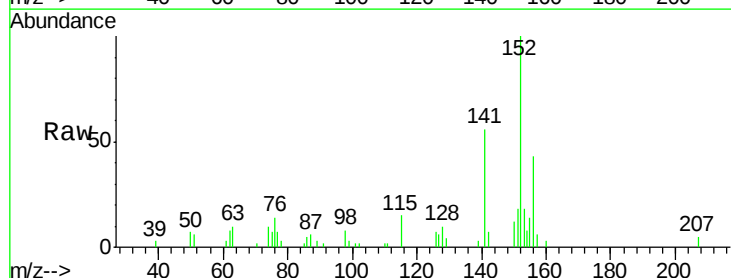
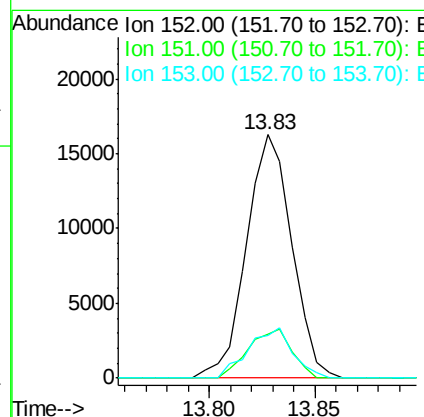
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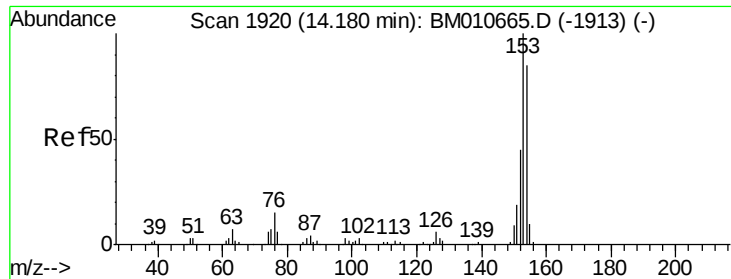
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#47
 Acenaphthylene
 Concen: 1.258 ng/ul
 RT: 13.83 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BM010671.D
 Acq: 22 Jun 2017 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	24278		
151	18.3	16.3	24.5	
153	17.5	10.2	15.4	





#49

Acenaphthene

Concen: 27.784 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM010671.D

Acq: 22 Jun 2017 21:57

Instrument :

BNA_M

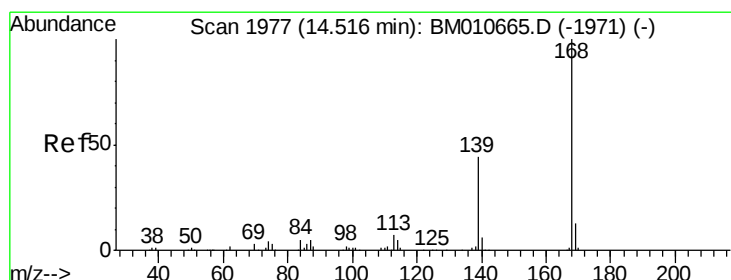
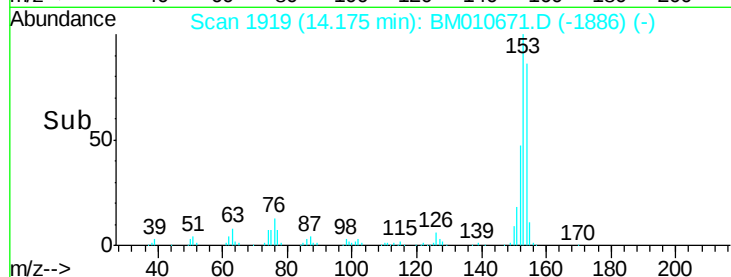
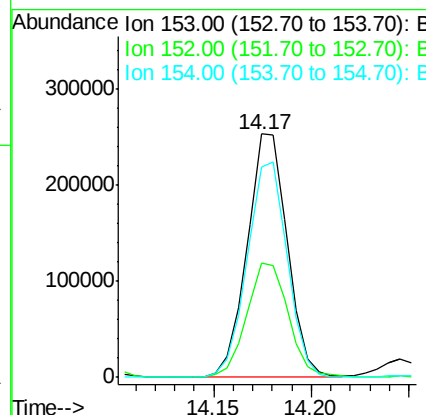
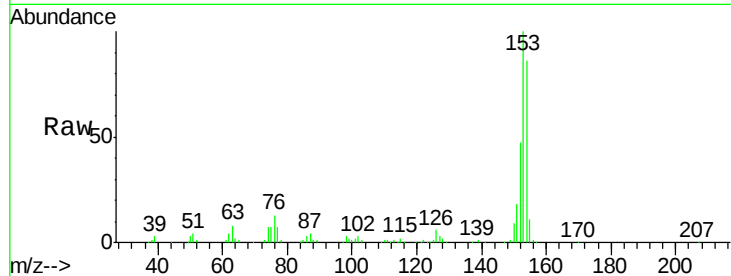
ClientSampleId :

F5D33ME

Tgt Ion:	153	Resp:	361827
Ion Ratio	Lower	Upper	
153	100		
152	47.0	37.6	56.4
154	86.5	70.4	105.6

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#53

Dibenzofuran

Concen: 23.424 ng/ul

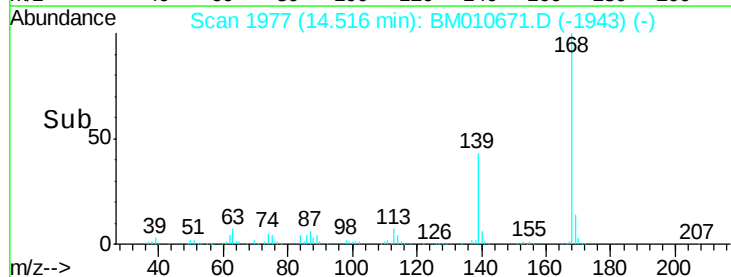
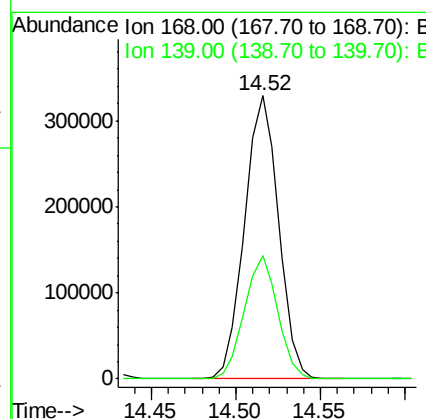
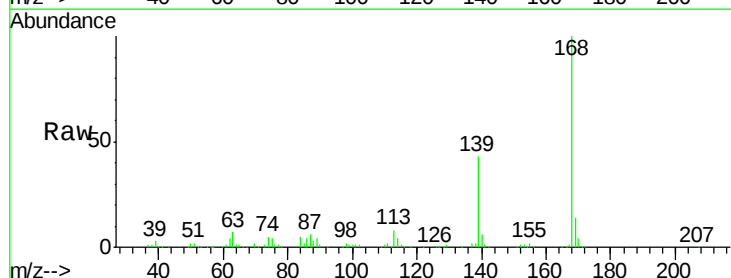
RT: 14.52 min Scan# 1977

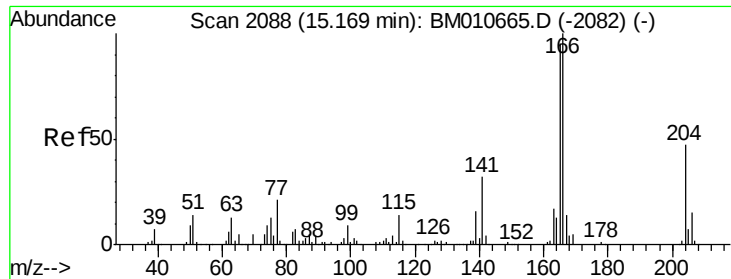
Delta R.T. 0.00 min

Lab File: BM010671.D

Acq: 22 Jun 2017 21:57

Tgt Ion:	168	Resp:	461974
Ion Ratio	Lower	Upper	
168	100		
139	43.4	30.8	46.2





#58

Fluorene

Concen: 27.015 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM010671.D

Acq: 22 Jun 2017 21:57

Instrument :

BNA_M

ClientSampleId :

F5D33ME

Tgt Ion:166 Resp: 446080

Ion Ratio Lower Upper

166 100

165 95.8 77.9 116.9

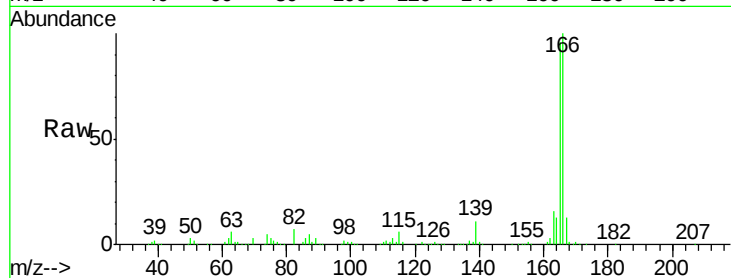
167 12.8 10.6 16.0

Manual Integrations

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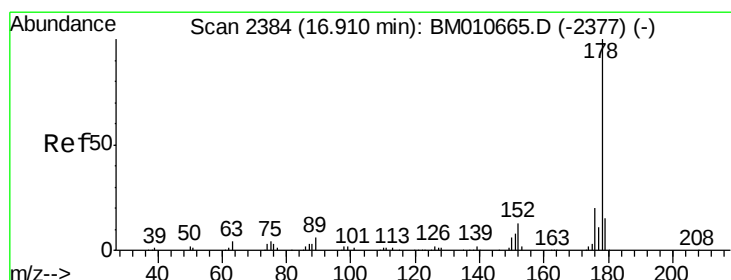
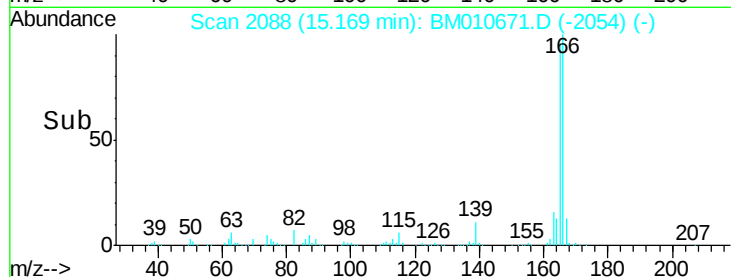
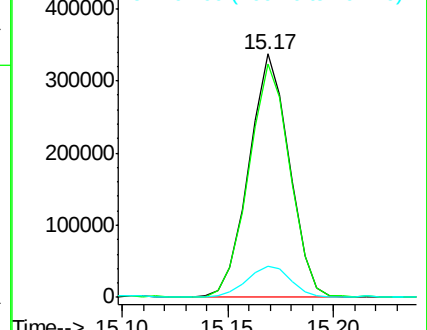
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 77.937 ng/ul

RT: 16.92 min Scan# 2385

Delta R.T. 0.01 min

Lab File: BM010671.D

Acq: 22 Jun 2017 21:57

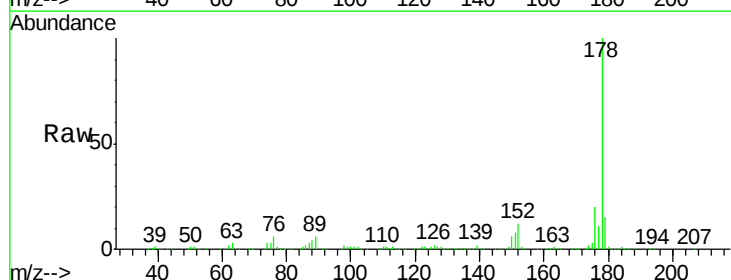
Tgt Ion:178 Resp: 2077835

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

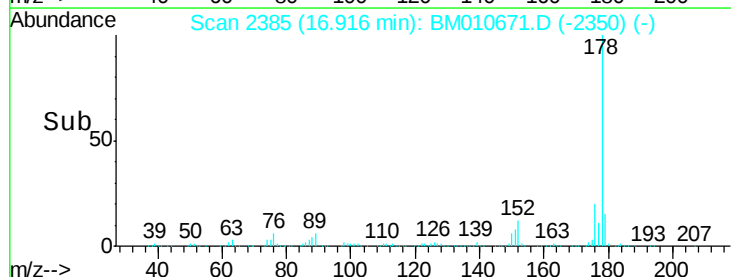
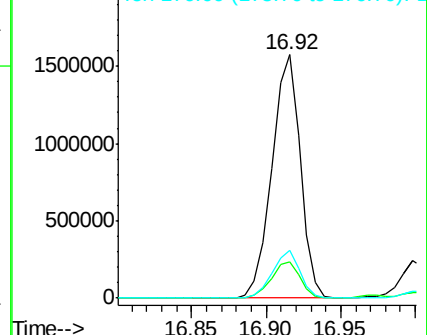
176 19.5 14.9 22.3

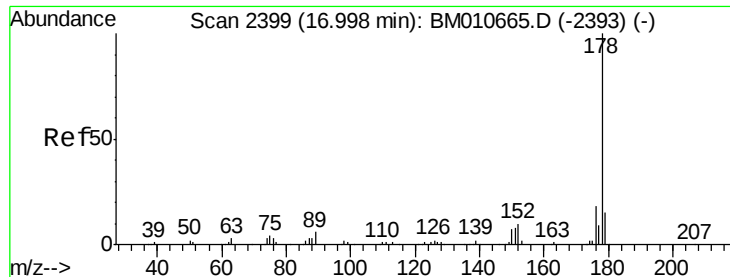


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 11.664 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM010671.D

Acq: 22 Jun 2017 21:57

Instrument :

BNA_M

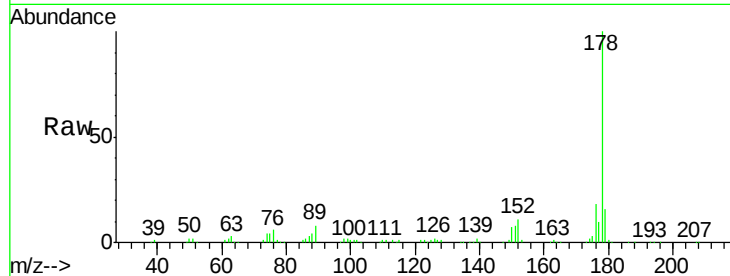
ClientSampleId :

F5D33ME

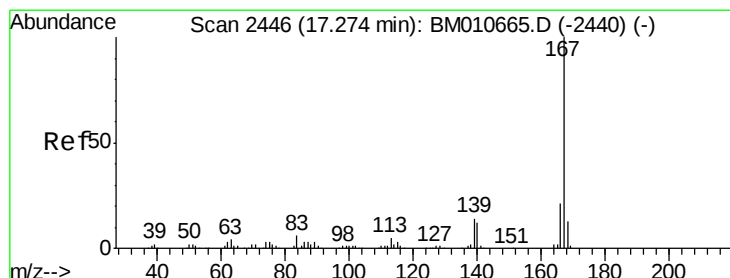
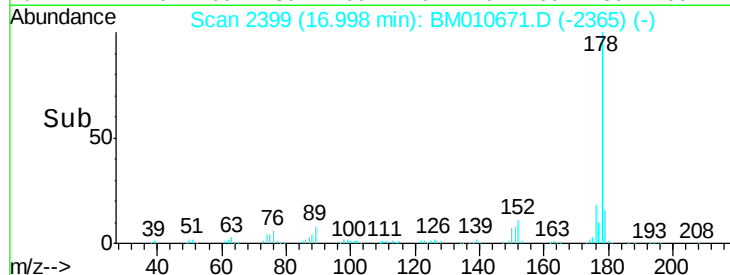
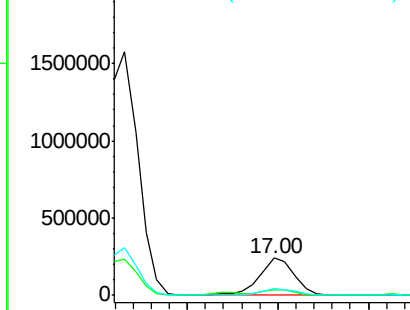
Tgt Ion:	178	Resp:	320383
Ion Ratio	Lower	Upper	
178	100		
179	16.2	11.7	17.5
176	18.3	14.6	21.8

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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



#72

Carbazole

Concen: 8.329 ng/ul

RT: 17.27 min Scan# 2446

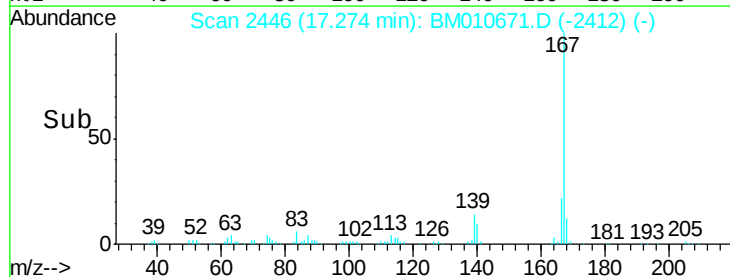
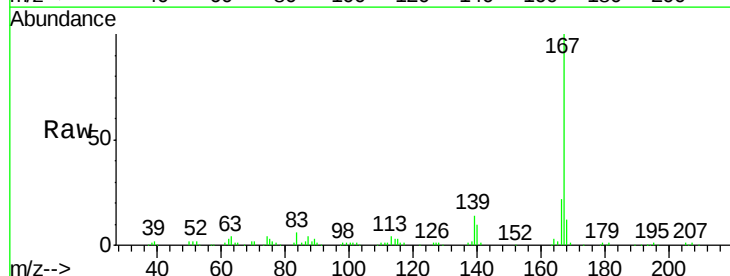
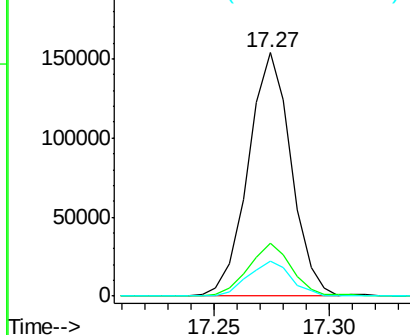
Delta R.T. 0.00 min

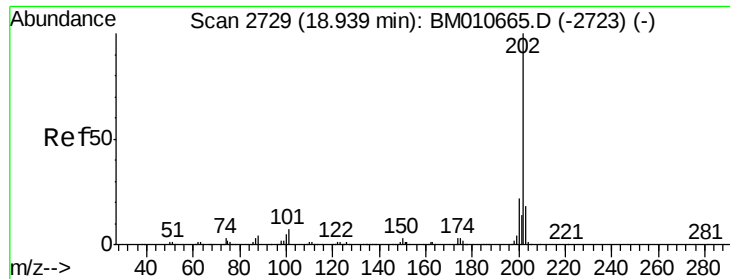
Lab File: BM010671.D

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Tgt Ion:	167	Resp:	199585
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.1	25.7
139	14.3	10.0	15.0

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 38.583 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010671.D

Acq: 22 Jun 2017 21:57

Instrument :

BNA_M

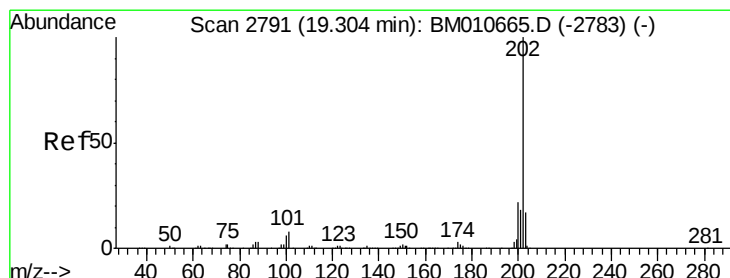
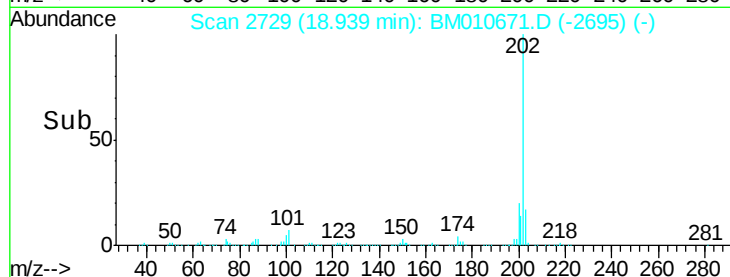
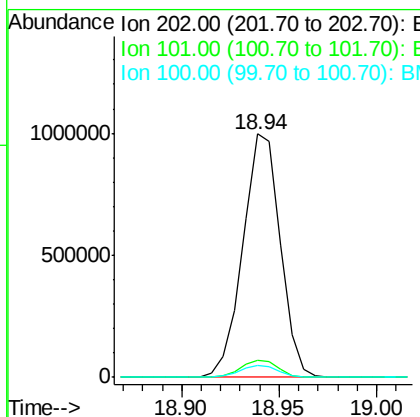
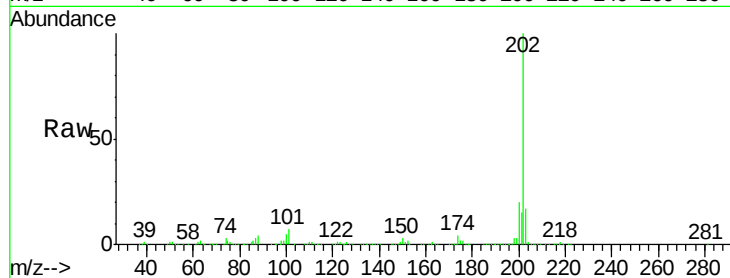
ClientSampleId :

F5D33ME

Tgt Ion:	202	Resp:	1325653
Ion Ratio	Lower	Upper	
202	100		
101	6.8	4.6	7.0
100	4.9	3.4	5.2

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#77

Pyrene

Concen: 25.252 ng/ul

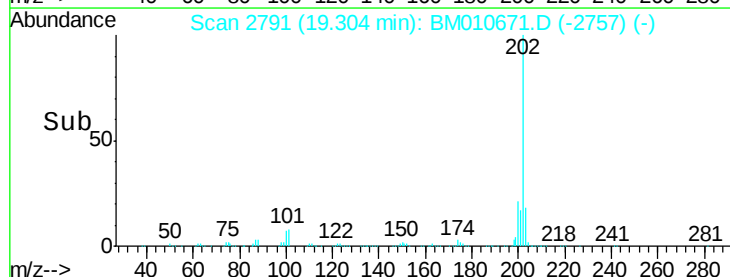
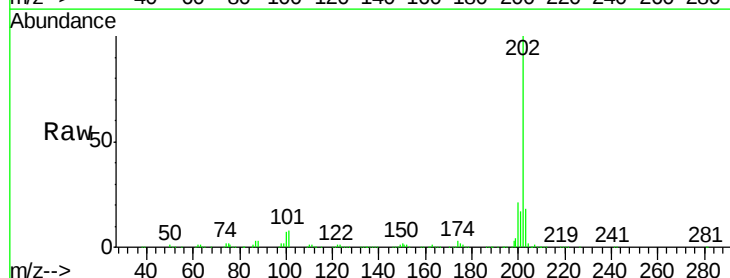
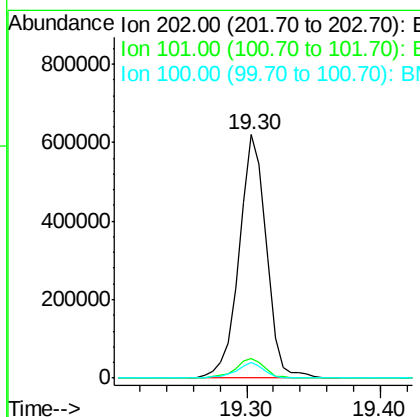
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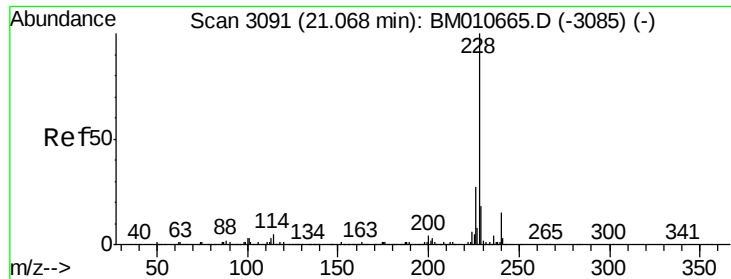
Delta R.T. 0.00 min

Lab File: BM010671.D

Acq: 22 Jun 2017 21:57

Tgt Ion:	202	Resp:	874834
Ion Ratio	Lower	Upper	
202	100		
101	8.3	5.1	7.7#
100	6.5	4.9	7.3





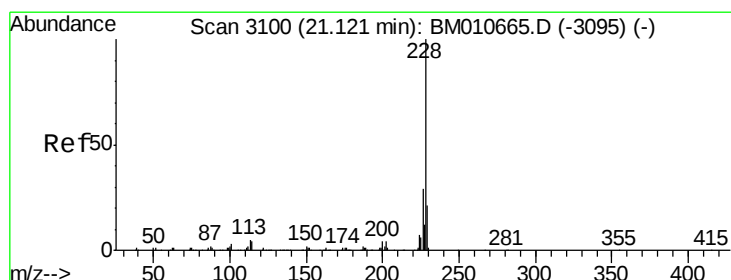
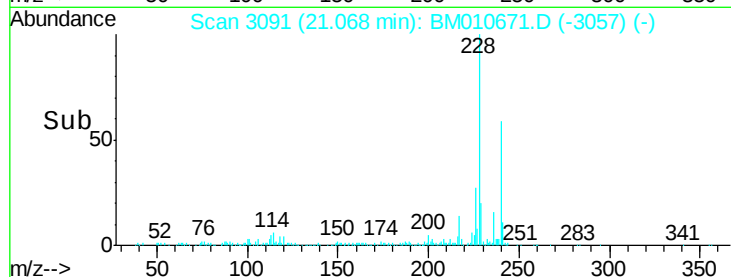
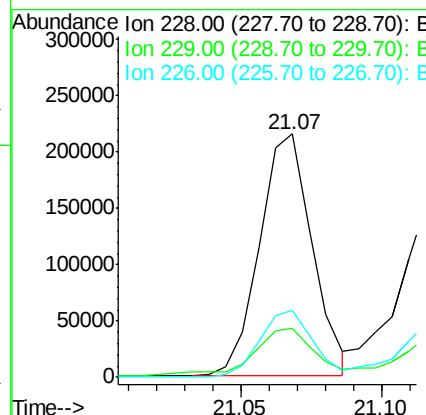
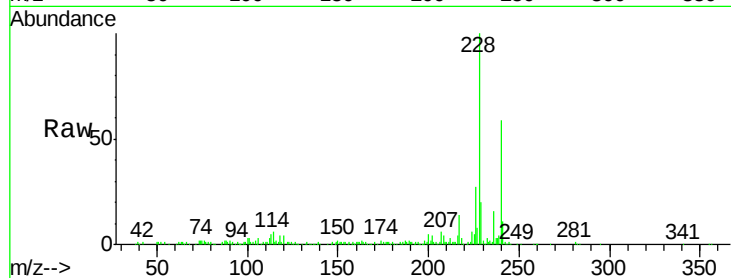
#80
Benzo(a)anthracene
Concen: 7.963 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM010671.D
Acq: 22 Jun 2017 21:57

Instrument :
BNA_M
ClientSampleId :
F5D33ME

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	278135		
229	20.0	15.4	23.0	
226	27.3	21.4	32.0	

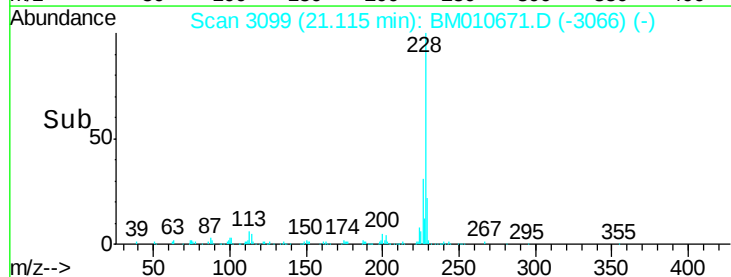
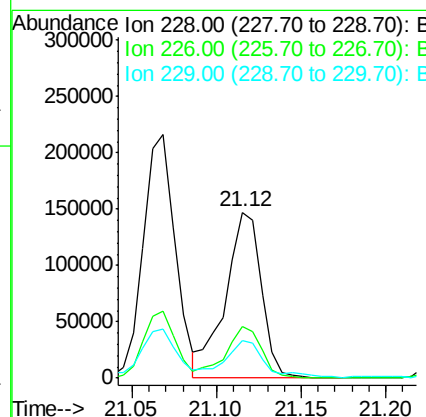
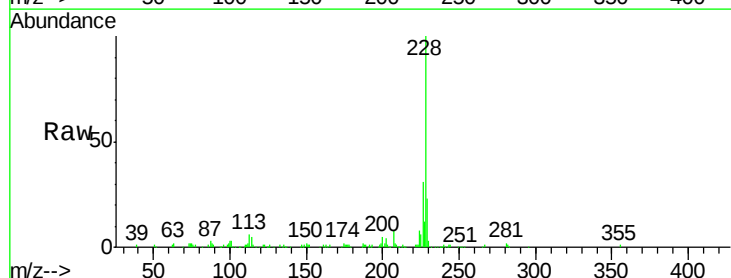
Manual Integrations
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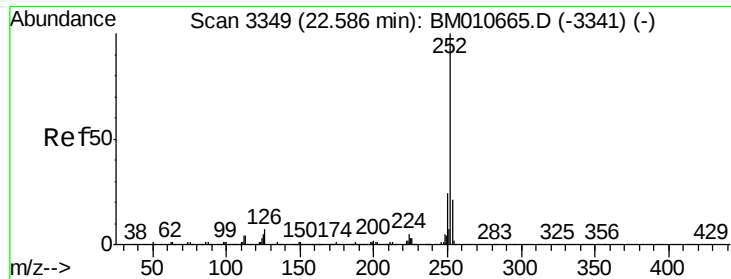
mohammad
6/26/2017 8:26:08 AM



#82
Chrysene
Concen: 6.967 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010671.D
Acq: 22 Jun 2017 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	216976		
226	31.0	23.4	35.2	
229	22.9	15.5	23.3	





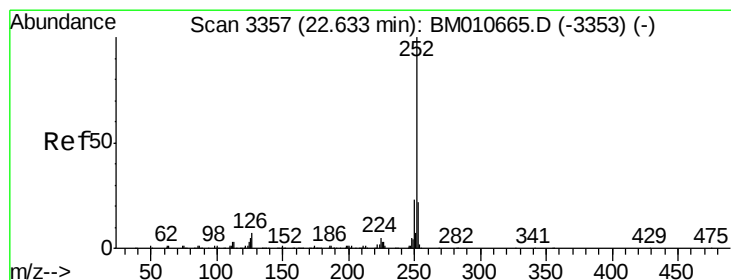
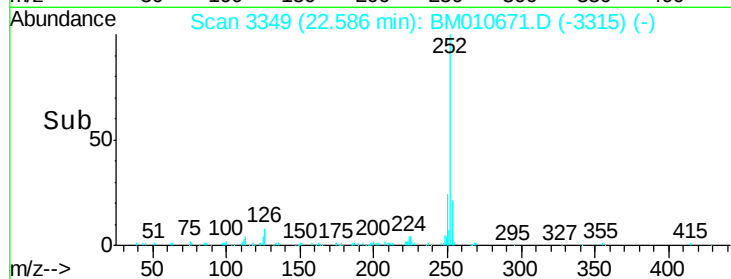
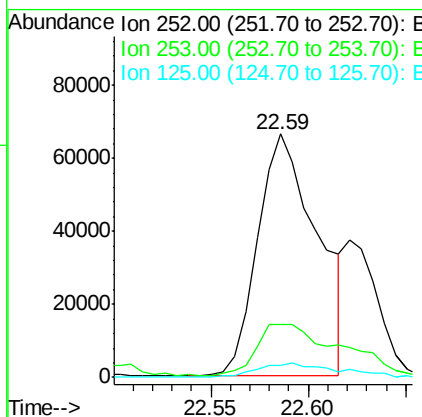
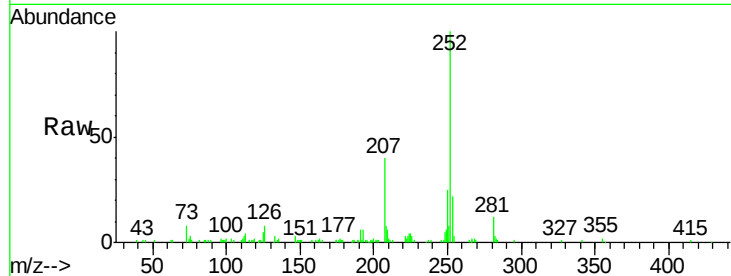
#85
Benzo(b)fluoranthene
Concen: 4.626 ng/ul
RT: 22.59 min Scan# 3349
Delta R.T. 0.00 min
Lab File: BM010671.D
Acq: 22 Jun 2017 21:57

Instrument :
BNA_M
ClientSampleId :
F5D33ME

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	140624		
253	22.0	17.9	26.9	
125	4.9	3.6	5.4	

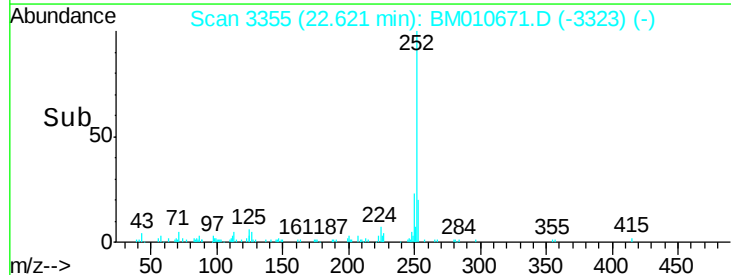
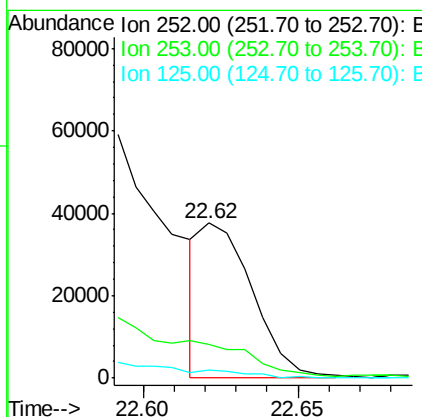
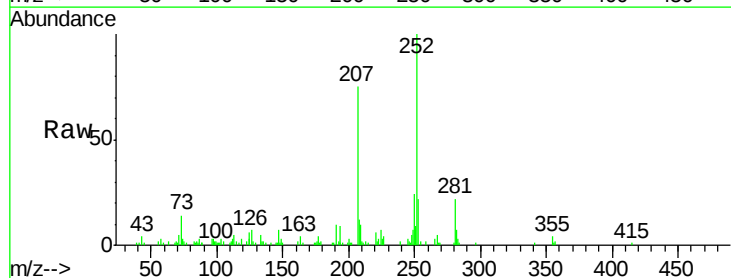
Manual Integrations
APPROVED

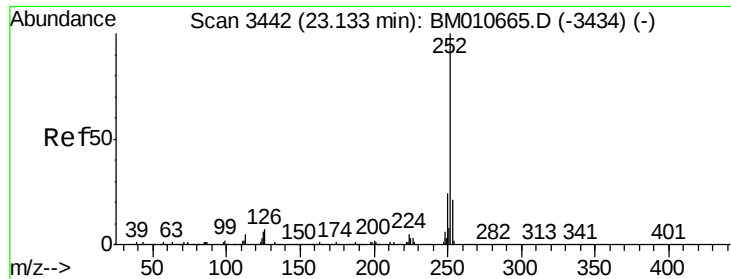
mohammad
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#86
Benzo(k)fluoranthene
Concen: 1.513 ng/ul m
RT: 22.62 min Scan# 3355
Delta R.T. -0.01 min
Lab File: BM010671.D
Acq: 22 Jun 2017 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	43615		
253	22.1	17.1	25.7	
125	5.6	3.4	5.2#	





#88

Benzo(a)pyrene

Concen: 2.729 ng/ul

RT: 23.13 min Scan# 3441

Delta R.T. -0.01 min

Lab File: BM010671.D

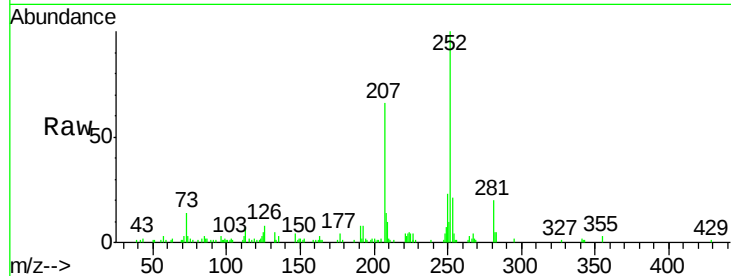
Acq: 22 Jun 2017 21:57

Instrument :

BNA_M

ClientSampleId :

F5D33ME



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.2	27.2
125	4.6	4.0	6.0

Manual Integrations
APPROVED

mohammad
6/26/2017 8:26:08 AM

