

Data File : BM010725.D
Acq On : 24 Jun 2017 12:14
Operator : SJ/JU
Sample : I3653-06ME 10X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5E19ME

Manual Integrations
APPROVED

mohammad
6/28/2017 7:49:15 AM

Quant Time: Jun 26 04:27:53 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 26 01:49:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	84587	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	385354	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	262275	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	642619	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	740304	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	553844	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	10573	1.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	6415	1.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	8287	1.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	9265	1.39	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	5417	1.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	5106	1.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	10896	1.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	20486m	2.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	40177	1.75	ng/ul	0.00
46) Acenaphthylene-d8	13.79	160	43037	1.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	5131	1.27	ng/ul	0.00
57) Fluorene-d10	15.11	176	35027	1.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	5119	1.30	ng/ul	0.00
70) Anthracene-d10	16.97	188	59351	1.91	ng/ul	0.00
76) Pyrene-d10	19.27	212	65652	1.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	45836	1.71	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.29	128	7722948	402.72	ng/ul	100
34) 2-Methylnaphthalene	11.90	142	1381716	89.63	ng/ul	96
40) 1,1'-Biphenyl	12.93	154	348516	17.00	ng/ul	96
47) Acenaphthylene	13.83	152	104520	4.10	ng/ul#	94
49) Acenaphthene	14.18	153	1134867	65.96	ng/ul	100
53) Dibenzofuran	14.52	168	1302496	49.98	ng/ul	92
58) Fluorene	15.17	166	1355354	62.12	ng/ul	98
69) Phenanthrene	16.92	178	6814116	199.45	ng/ul	98
71) Anthracene	17.00	178	869856	24.71	ng/ul	99
72) Carbazole	17.27	167	429945	14.00	ng/ul	98
74) Fluoranthene	18.94	202	4234926	96.18	ng/ul#	96
77) Pyrene	19.31	202	2741926	64.12	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	842083	19.53	ng/ul	98
82) Chrysene	21.12	228	633528	16.48	ng/ul	97
85) Benzo(b)fluoranthene	22.59	252	399681	11.12	ng/ul	97
86) Benzo(k)fluoranthene	22.63	252	126689m	3.72	ng/ul	
88) Benzo(a)pyrene	23.13	252	219211	6.62	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	25.33	276	65466	1.91	ng/ul	95
91) Benzo(g,h,i)perylene	25.97	276	39806	1.46	ng/ul#	86

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

ALS Vial : 41 Sample Multiplier: 1

F5E19ME

Manual Integrations

mohammad
6/28/2017 7:49:15 AM

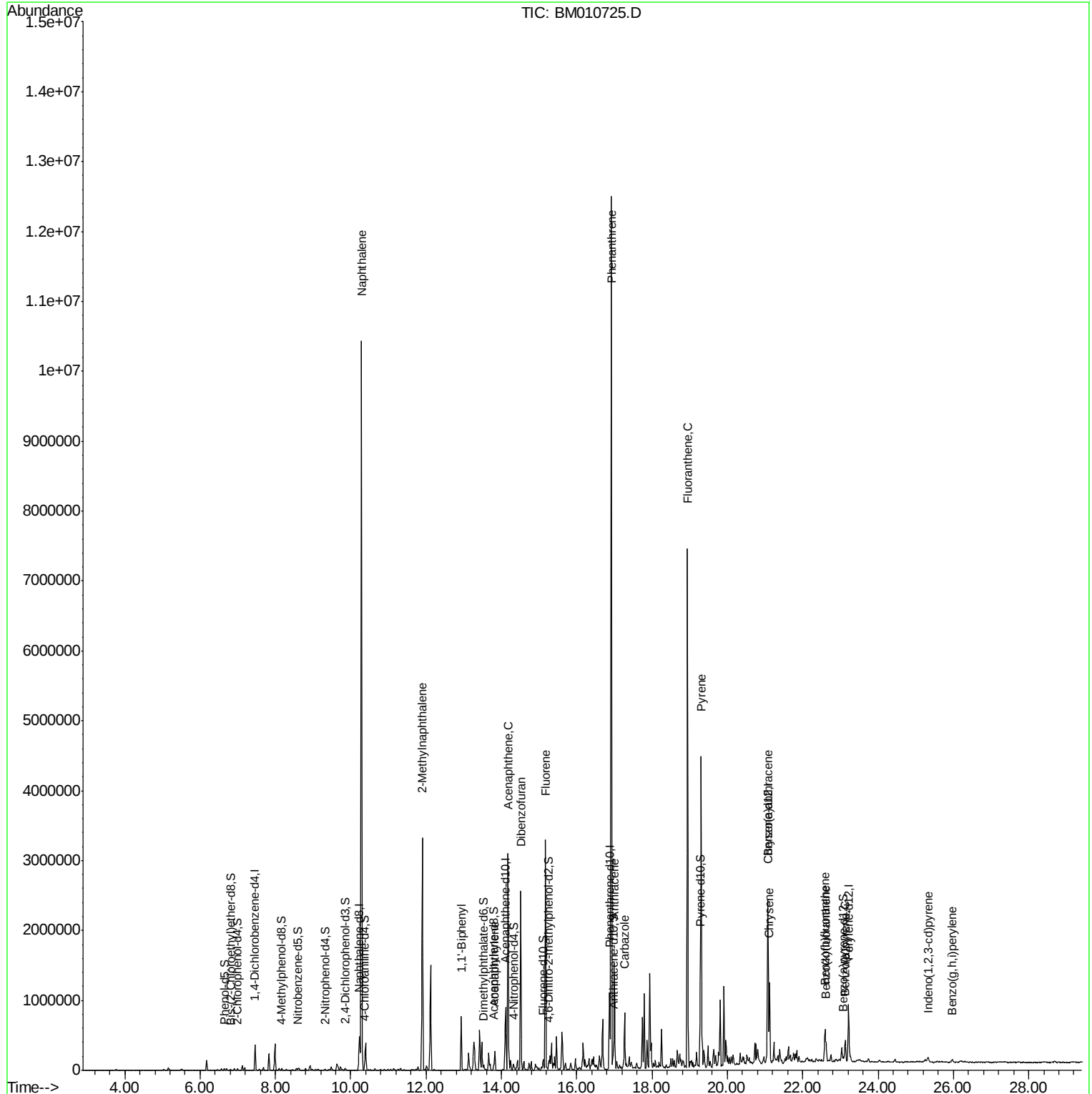
Quant Time: Jun 26 04:27:53 2017

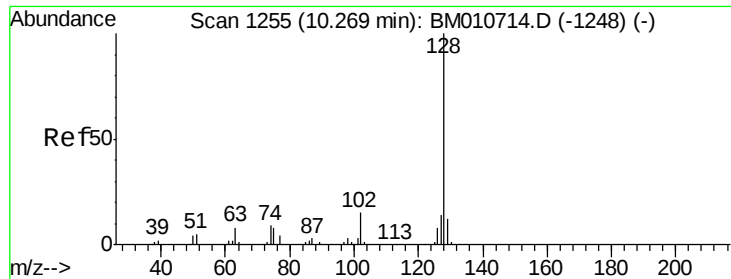
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jun 26 01:49:13 2017

Response via : Initial Calibration





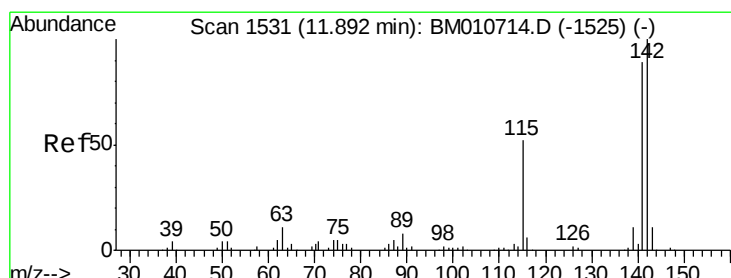
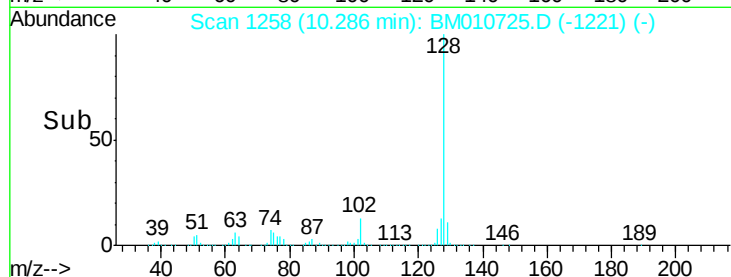
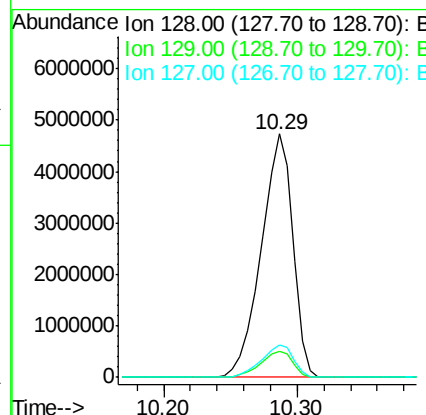
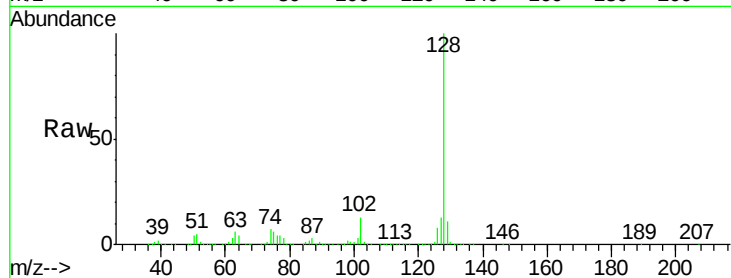
#28
Naphthalene
Concen: 402.72 ng/ul
RT: 10.29 min Scan# 1258
Delta R.T. 0.02 min
Lab File: BM010725.D
Acq: 24 Jun 2017 12:14

Instrument :
BNA_M
ClientSampleId :
F5E19ME

Tgt Ion:128 Resp: 7722948
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.5 10.6 16.0

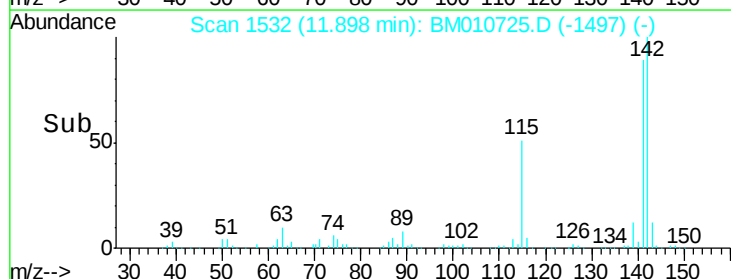
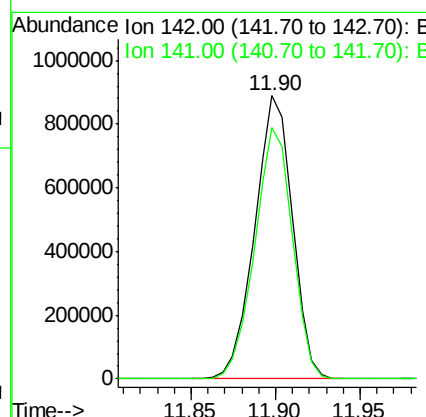
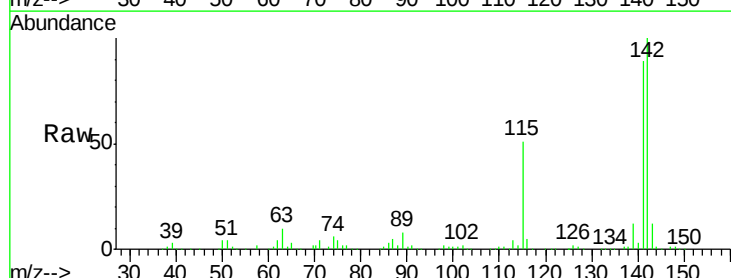
Manual Integrations
APPROVED

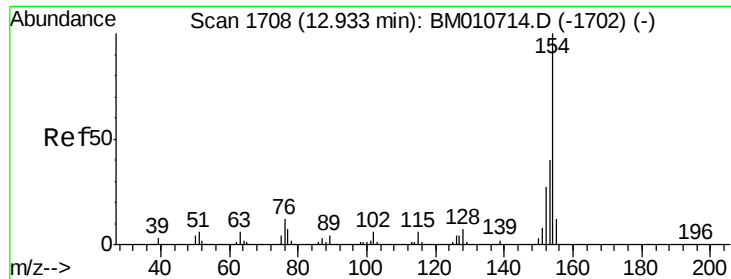
mohammad
6/28/2017 7:49:15 AM



#34
2-Methylnaphthalene
Concen: 89.63 ng/ul
RT: 11.90 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BM010725.D
Acq: 24 Jun 2017 12:14

Tgt Ion:142 Resp: 1381716
Ion Ratio Lower Upper
142 100
141 89.0 74.1 111.1





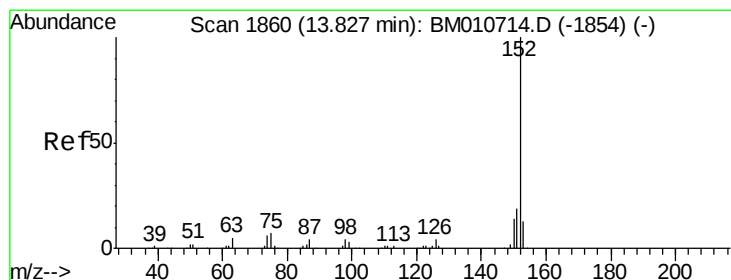
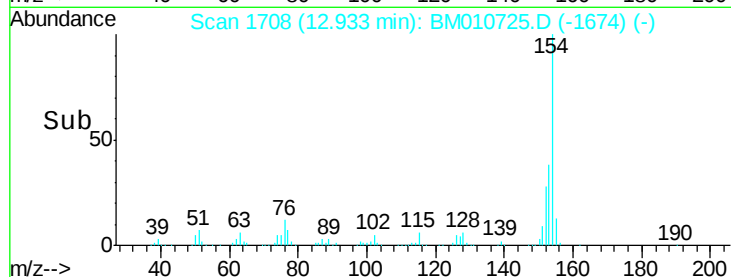
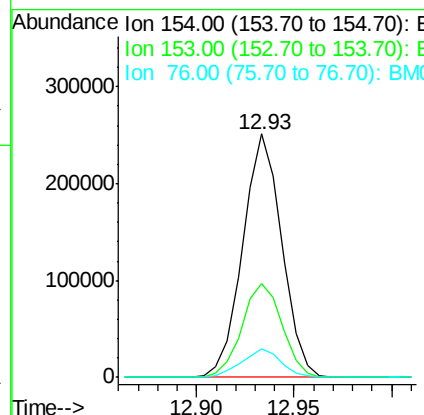
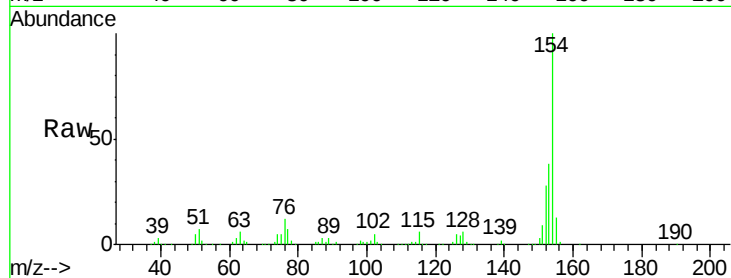
#40
 1,1'-Biphenyl
 Concen: 17.00 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BM010725.D
 Acq: 24 Jun 2017 12:14

Instrument :
 BNA_M
 ClientSampleId :
 F5E19ME

Tgt Ion:	154	Resp:	348516
Ion Ratio	Lower	Upper	
154	100		
153	38.4	32.6	48.8
76	11.6	8.5	12.7

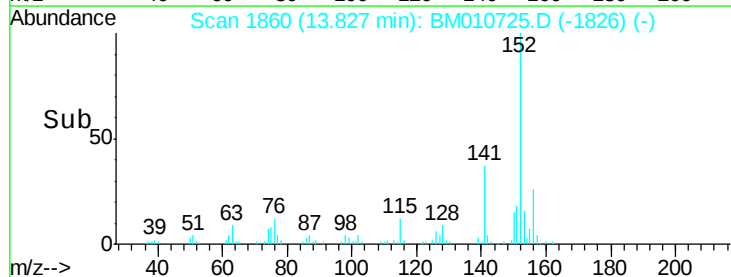
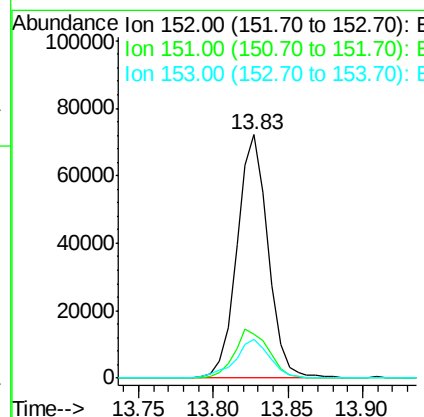
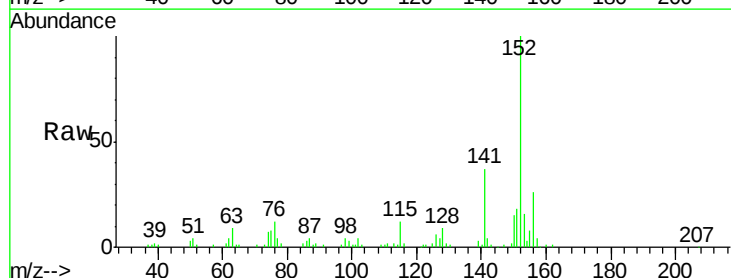
Manual Integrations
 APPROVED

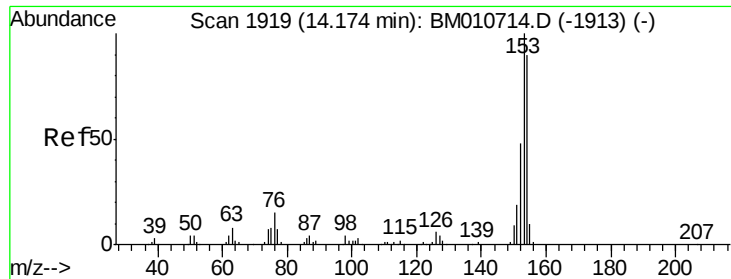
mohammad
 6/28/2017 7:49:15 AM



#47
 Acenaphthylene
 Concen: 4.10 ng/ul
 RT: 13.83 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BM010725.D
 Acq: 24 Jun 2017 12:14

Tgt Ion:	152	Resp:	104520
Ion Ratio	Lower	Upper	
152	100		
151	17.9	16.3	24.5
153	15.8	10.2	15.4#





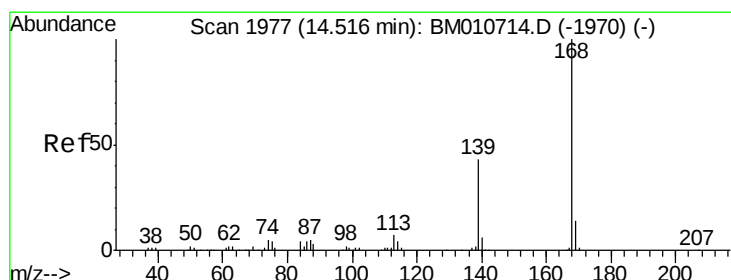
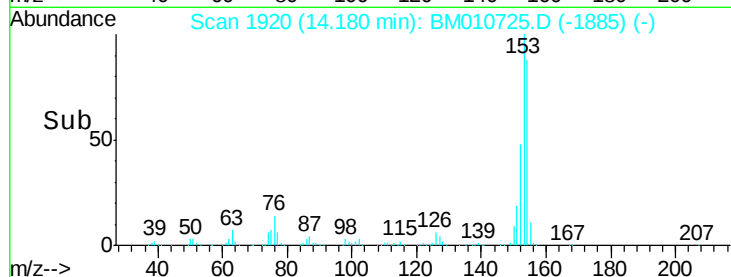
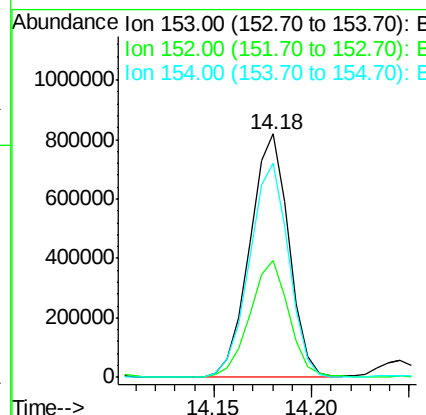
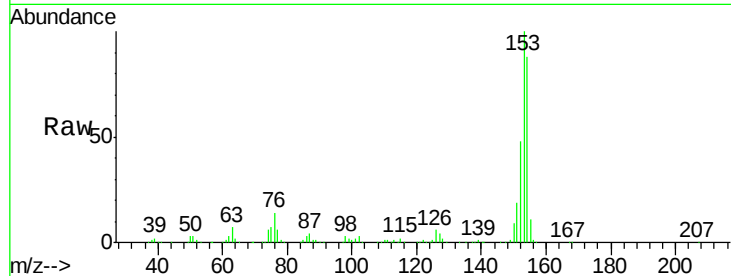
#49
Acenaphthene
Concen: 65.96 ng/ul
RT: 14.18 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BM010725.D
Acq: 24 Jun 2017 12:14

Instrument :
BNA_M
ClientSampleId :
F5E19ME

Tgt Ion:153 Resp: 1134867
Ion Ratio Lower Upper
153 100
152 47.8 37.6 56.4
154 88.0 70.4 105.6

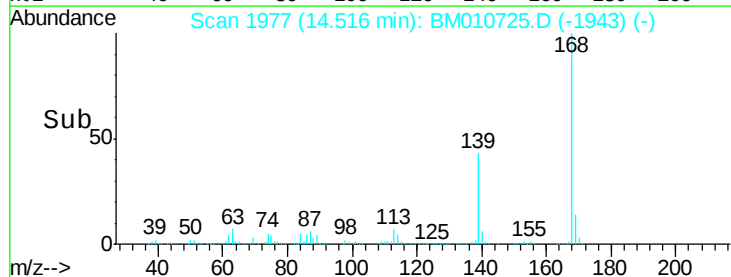
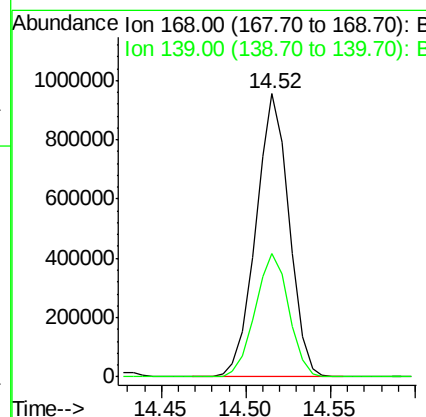
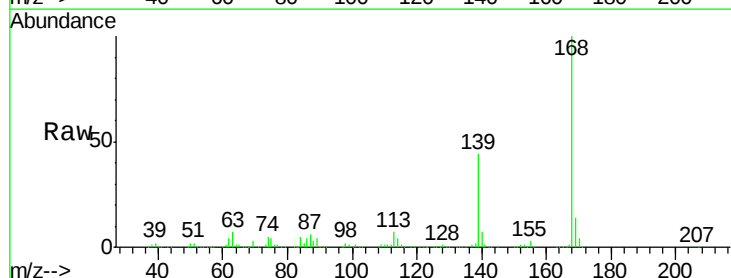
Manual Integrations
APPROVED

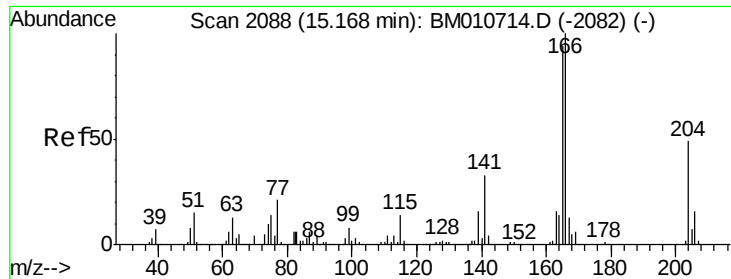
mohammad
6/28/2017 7:49:15 AM



#53
Dibenzofuran
Concen: 49.98 ng/ul
RT: 14.52 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BM010725.D
Acq: 24 Jun 2017 12:14

Tgt Ion:168 Resp: 1302496
Ion Ratio Lower Upper
168 100
139 43.6 30.8 46.2





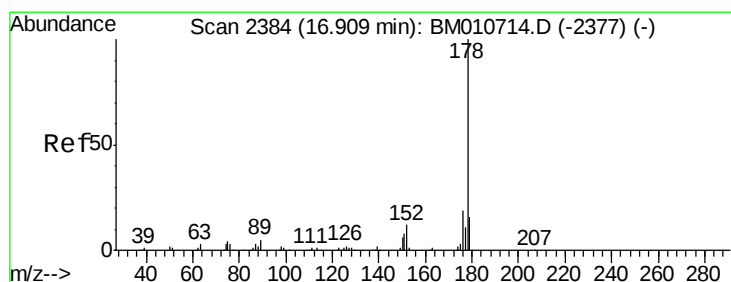
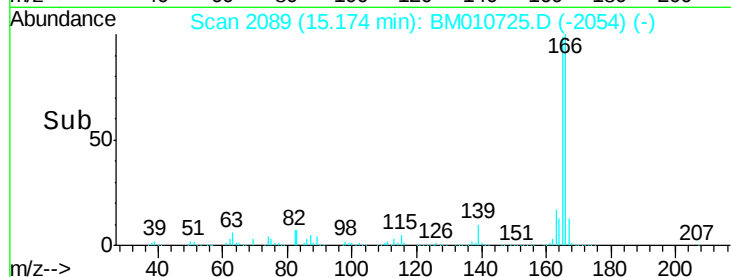
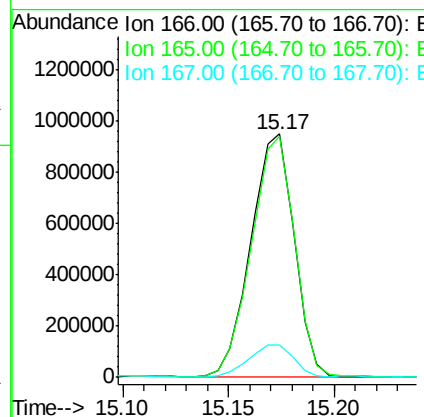
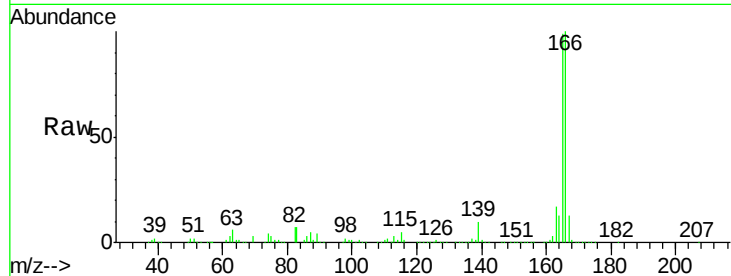
#58
 Fluorene
 Concen: 62.12 ng/ul
 RT: 15.17 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: BM010725.D
 Acq: 24 Jun 2017 12:14

Instrument :
 BNA_M
 ClientSampleId :
 F5E19ME

Tgt Ion:166 Resp: 1355354
 Ion Ratio Lower Upper
 166 100
 165 99.1 77.9 116.9
 167 13.5 10.6 16.0

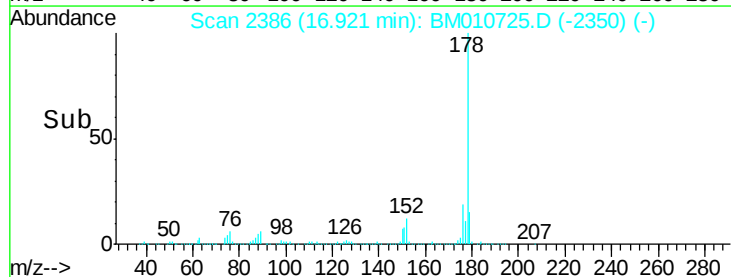
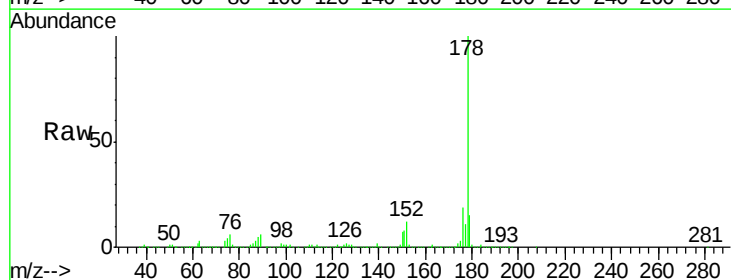
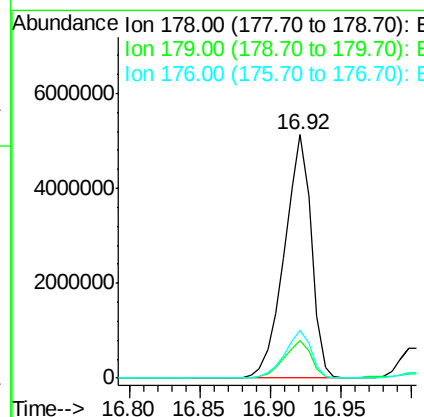
Manual Integrations
 APPROVED

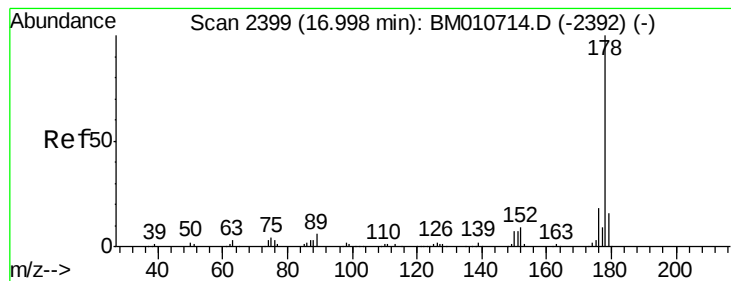
mohammad
 6/28/2017 7:49:15 AM



#69
 Phenanthrene
 Concen: 199.45 ng/ul
 RT: 16.92 min Scan# 2386
 Delta R.T. 0.01 min
 Lab File: BM010725.D
 Acq: 24 Jun 2017 12:14

Tgt Ion:178 Resp: 6814116
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.6 19.0
 176 19.5 14.9 22.3





#71

Anthracene

Concen: 24.71 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. 0.01 min

Lab File: BM010725.D

Acq: 24 Jun 2017 12:14

Instrument :

BNA_M

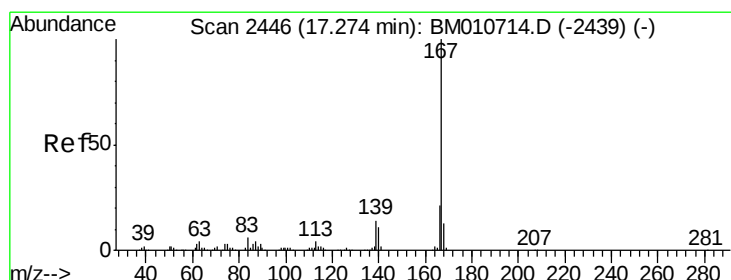
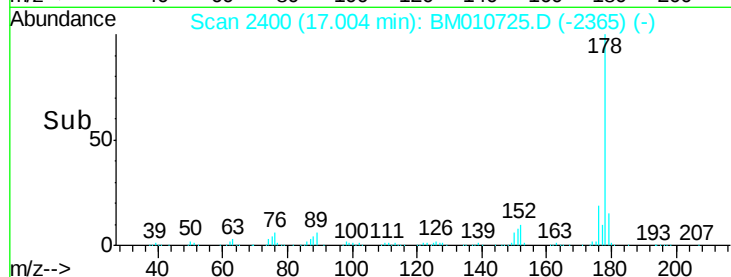
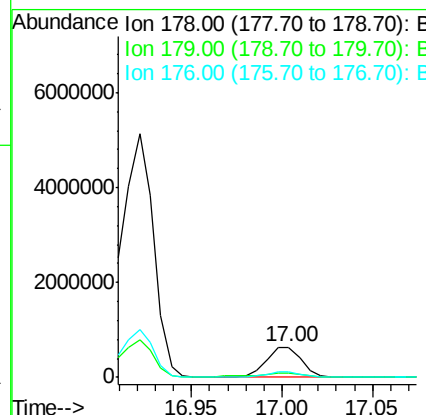
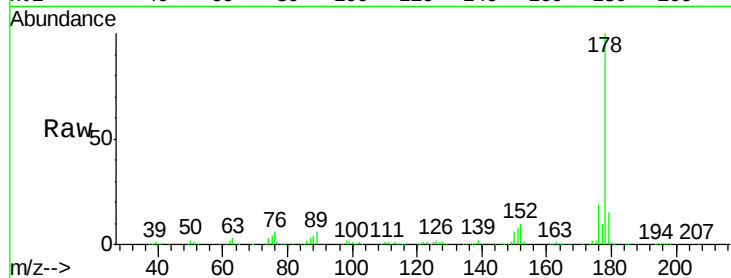
ClientSampleId :

F5E19ME

Tgt Ion:	178	Resp:	869856
Ion Ratio	Lower	Upper	
178	100		
179	14.6	11.7	17.5
176	19.0	14.6	21.8

Manual Integrations
APPROVED

mohammad
6/28/2017 7:49:15 AM



#72

Carbazole

Concen: 14.00 ng/ul

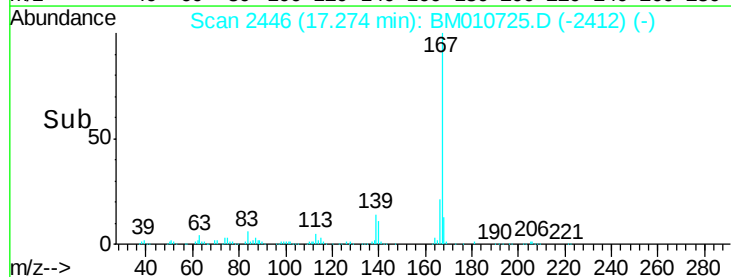
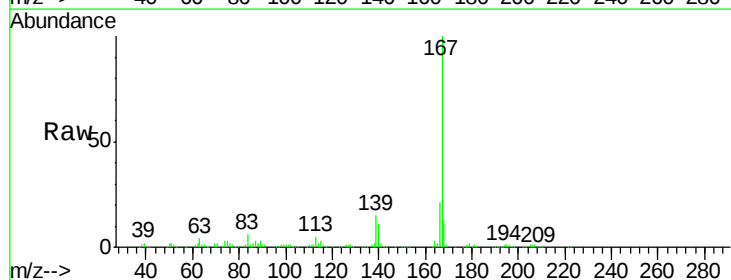
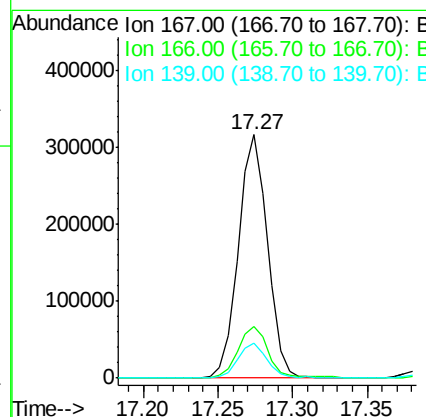
RT: 17.27 min Scan# 2446

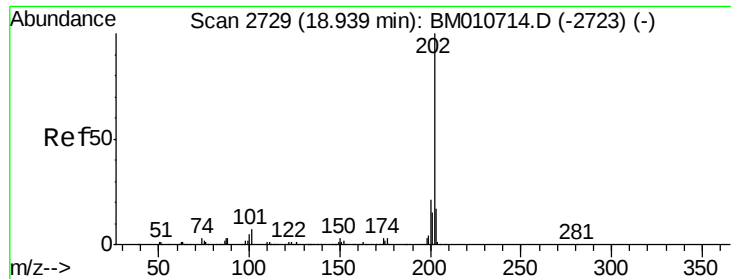
Delta R.T. 0.00 min

Lab File: BM010725.D

Acq: 24 Jun 2017 12:14

Tgt Ion:	167	Resp:	429945
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.1	25.7
139	14.5	10.0	15.0





#74

Fluoranthene

Concen: 96.18 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM010725.D

Acq: 24 Jun 2017 12:14

Instrument :

BNA_M

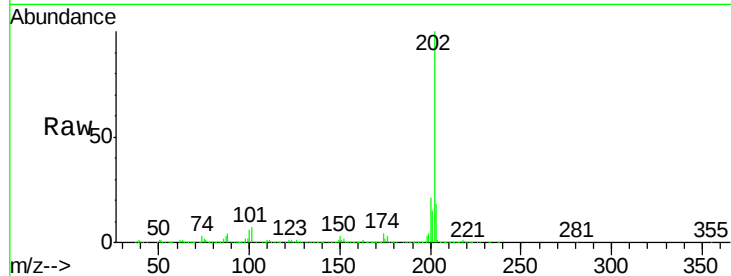
ClientSampleId :

F5E19ME

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.3	4.6	7.0#
100	5.6	3.4	5.2#

Manual Integrations
APPROVED

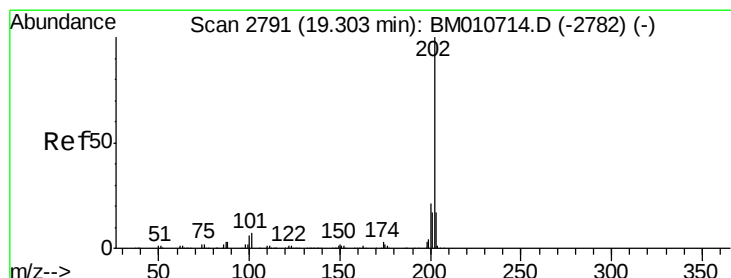
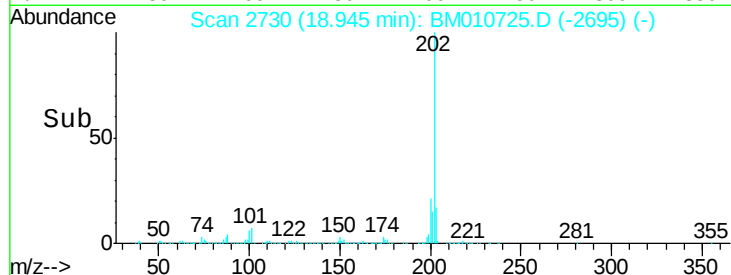
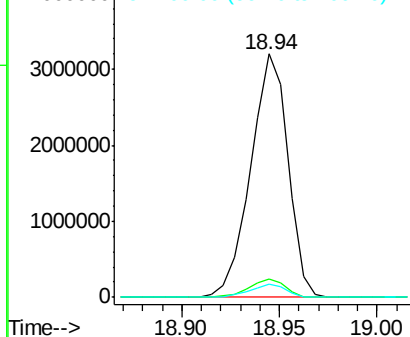
mohammad
6/28/2017 7:49:15 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 64.12 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BM010725.D

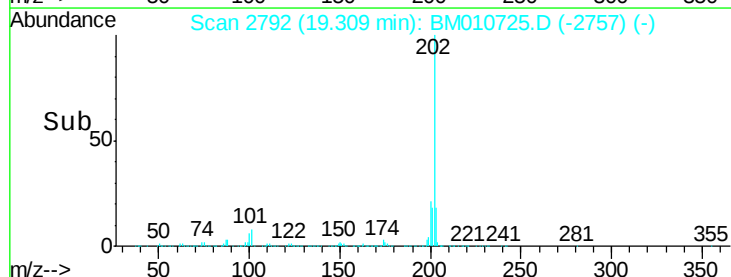
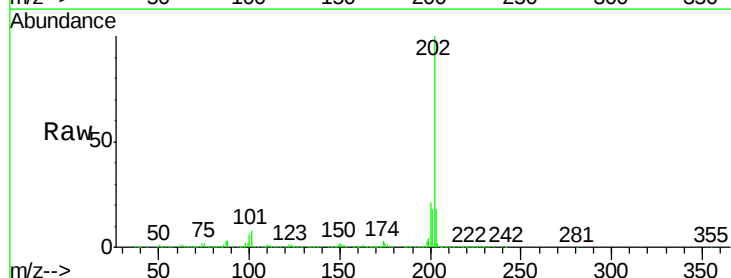
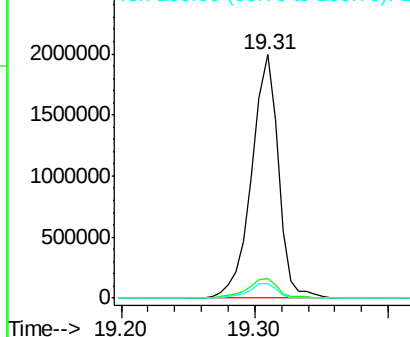
Acq: 24 Jun 2017 12:14

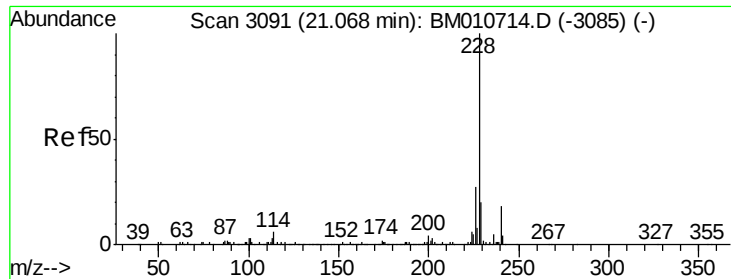
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	5.1	7.7#
100	6.0	4.9	7.3

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





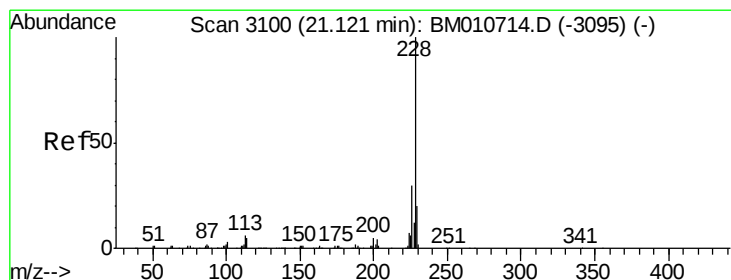
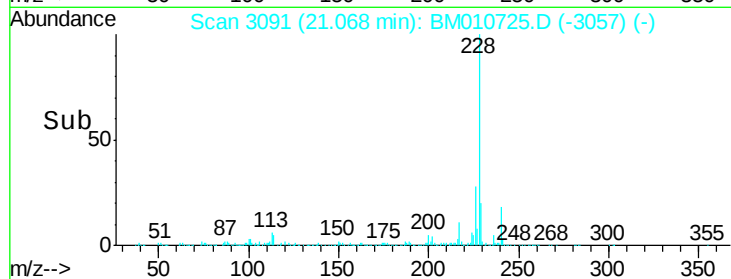
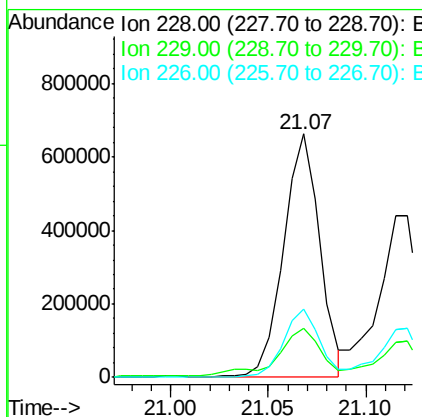
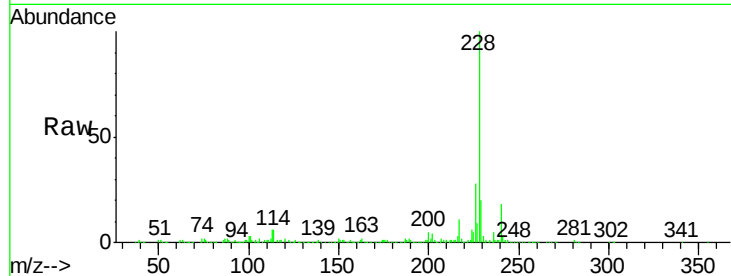
#80
Benzo(a)anthracene
Concen: 19.53 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM010725.D
Acq: 24 Jun 2017 12:14

Instrument :
BNA_M
ClientSampleId :
F5E19ME

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	842083		
229	20.1	15.4	23.0	
226	28.0	21.4	32.0	

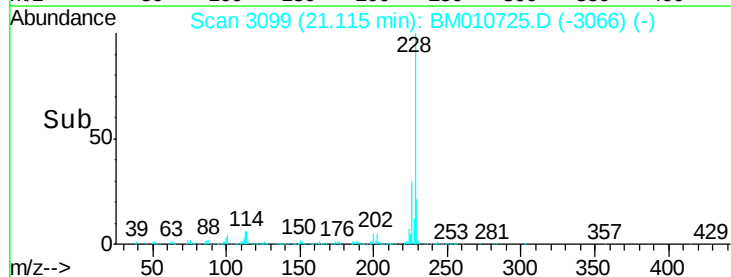
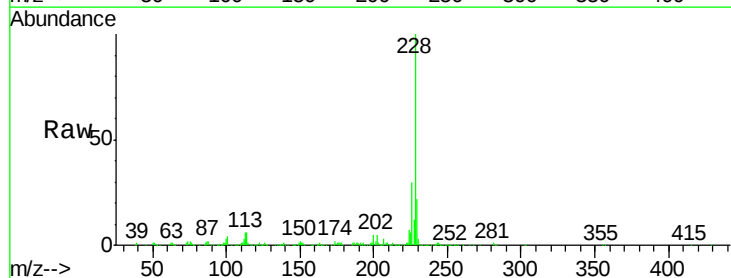
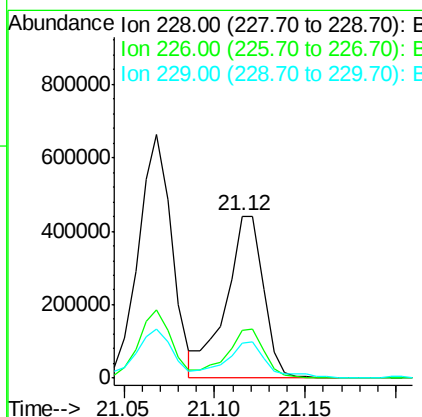
Manual Integrations
APPROVED

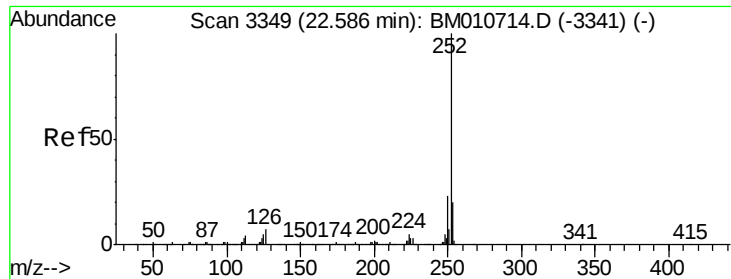
mohammad
6/28/2017 7:49:15 AM



#82
Chrysene
Concen: 16.48 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010725.D
Acq: 24 Jun 2017 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	633528		
226	29.7	23.4	35.2	
229	22.0	15.5	23.3	





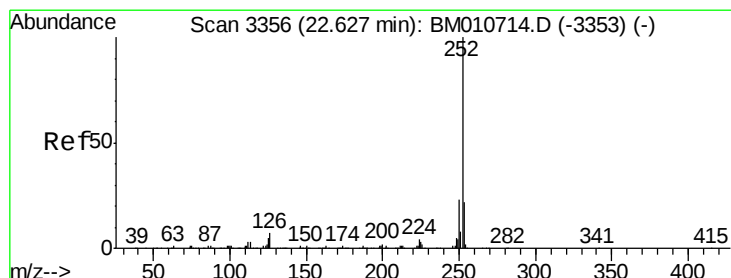
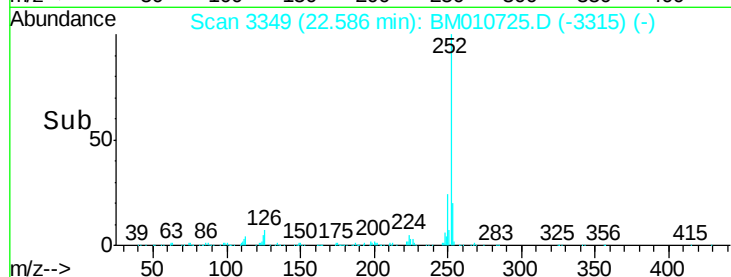
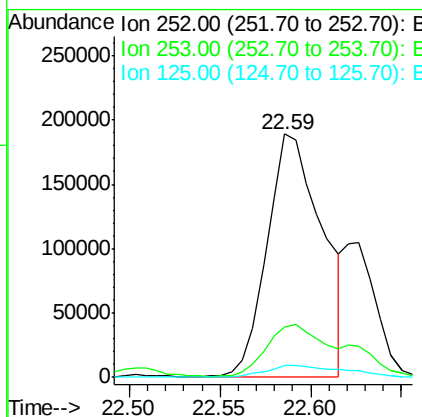
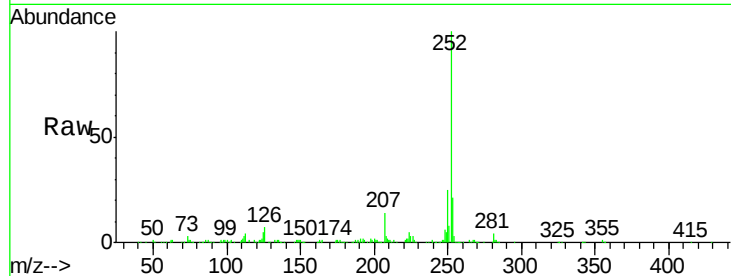
#85
Benzo(b)fluoranthene
Concen: 11.12 ng/ul
RT: 22.59 min Scan# 3349
Delta R.T. 0.00 min
Lab File: BM010725.D
Acq: 24 Jun 2017 12:14

Instrument :
BNA_M
ClientSampleId :
F5E19ME

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	399681		
253	20.9	17.9	26.9	
125	5.0	3.6	5.4	

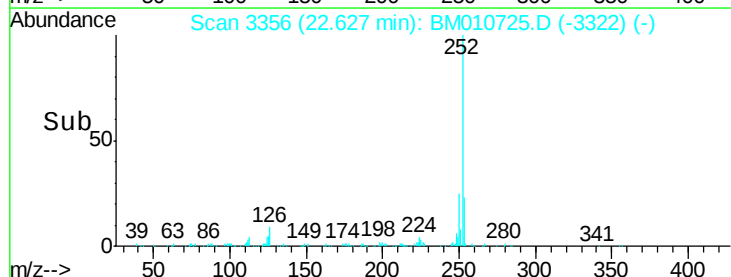
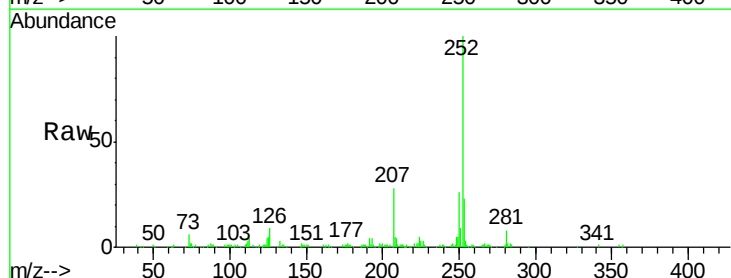
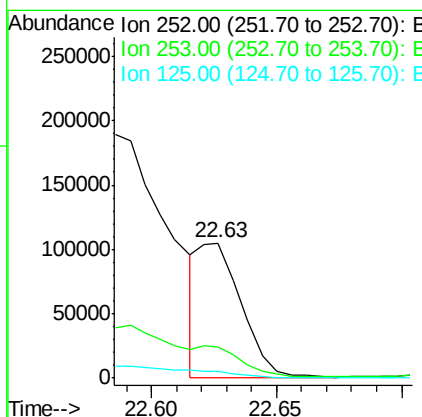
Manual Integrations
APPROVED

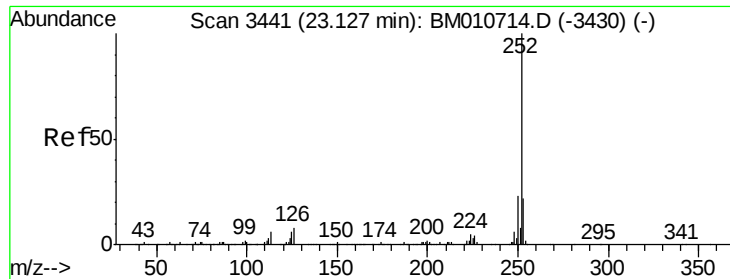
mohammad
6/28/2017 7:49:15 AM



#86
Benzo(k)fluoranthene
Concen: 3.72 ng/ul m
RT: 22.63 min Scan# 3356
Delta R.T. 0.00 min
Lab File: BM010725.D
Acq: 24 Jun 2017 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	126689		
253	23.4	17.1	25.7	
125	5.4	3.4	5.2#	





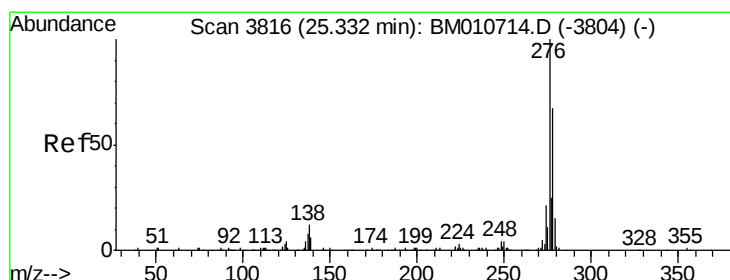
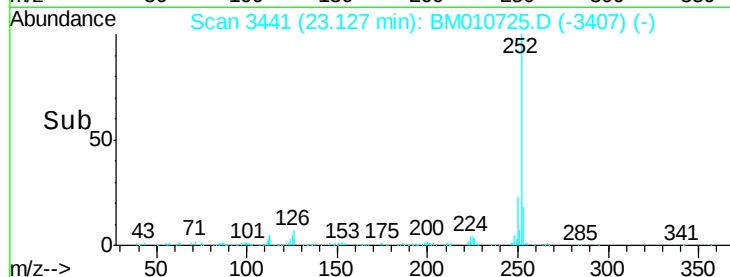
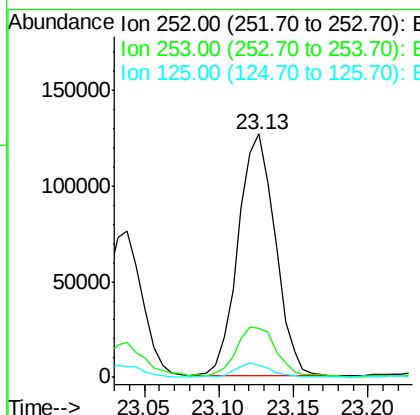
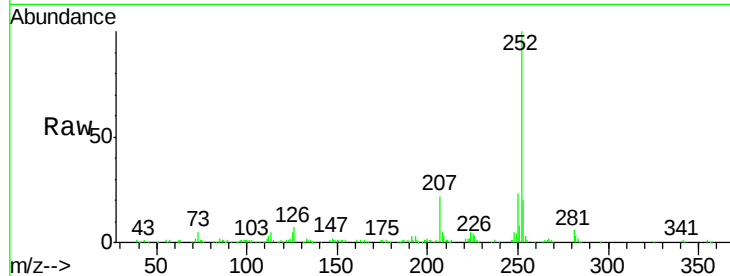
#88
Benzo(a)pyrene
Concen: 6.62 ng/ul
RT: 23.13 min Scan# 3441
Delta R.T. 0.00 min
Lab File: BM010725.D
Acq: 24 Jun 2017 12:14

Instrument :
BNA_M
ClientSampleId :
F5E19ME

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	20.3	18.2	27.2
125	5.0	4.0	6.0

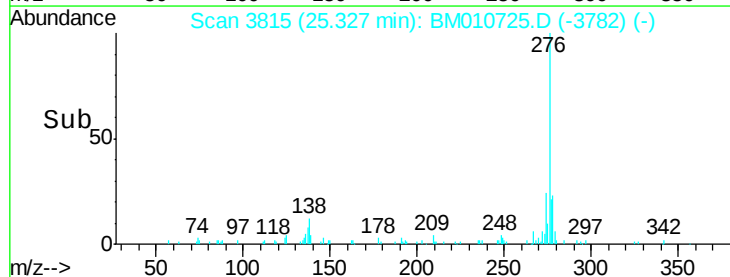
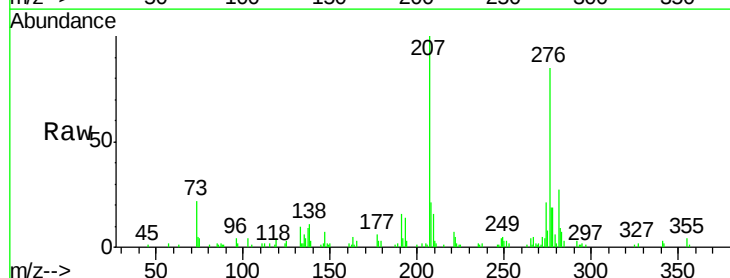
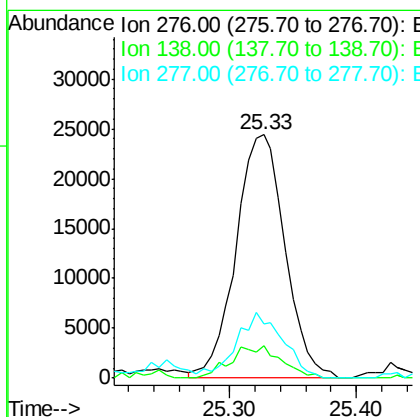
Manual Integrations
APPROVED

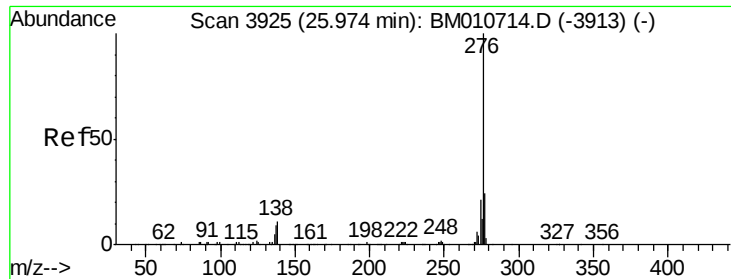
mohammad
6/28/2017 7:49:15 AM



#89
Indeno(1,2,3-cd)pyrene
Concen: 1.91 ng/ul
RT: 25.33 min Scan# 3815
Delta R.T. -0.01 min
Lab File: BM010725.D
Acq: 24 Jun 2017 12:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	13.2	9.3	13.9
277	22.3	19.9	29.9





#91
 Benzo(g,h,i)perylene
 Concen: 1.46 ng/ul
 RT: 25.97 min Scan# 3925
 Delta R.T. 0.00 min
 Lab File: BM010725.D
 Acq: 24 Jun 2017 12:14

Instrument :
 BNA_M
 ClientSampleId :
 F5E19ME

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	20.4	8.5	12.7#
277	19.3	18.6	28.0

Manual Integrations
 APPROVED

mohammad
 6/28/2017 7:49:15 AM

