

Data File : BM010716.D
Acq On : 24 Jun 2017 06:50
Operator : SJ/JU
Sample : I3627-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A10

Manual Integrations
APPROVED

mohammad
6/28/2017 7:46:54 AM

Quant Time: Jun 26 02:15:32 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	82888	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	370689	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	251174	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	604352	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	689007	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	490073	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	6356	4.39	ng/uL	0.00
5) Phenol-d5	6.65	99	180472	22.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	98702	21.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	139210	25.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	152031	23.22	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	71640	27.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	86667	28.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	173913	27.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	192149	28.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	615229	27.90	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	702739	27.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	92660	23.88	ng/ul	0.00
57) Fluorene-d10	15.11	176	520181	27.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	100785	27.15	ng/ul	0.00
70) Anthracene-d10	16.96	188	883515m	30.27	ng/ul	0.00
76) Pyrene-d10	19.27	212	1090109	34.06	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.10	264	715073	30.19	ng/ul	0.01

Target Compounds

						Qvalue
6) Phenol	6.67	94	18534	2.28	ng/ul	96
28) Naphthalene	10.27	128	65234	3.54	ng/ul	98
34) 2-Methylnaphthalene	11.89	142	16841	1.14	ng/ul	82
44) Dimethylphthalate	13.58	163	252360	11.68	ng/ul	98
47) Acenaphthylene	13.83	152	137942	5.65	ng/ul	99
49) Acenaphthene	14.17	153	38085	2.31	ng/ul	96
53) Dibenzofuran	14.51	168	32230	1.29	ng/ul#	84
58) Fluorene	15.17	166	45749	2.19	ng/ul	93
69) Phenanthrene	16.91	178	159259	4.96	ng/ul	96
71) Anthracene	17.00	178	189397	5.72	ng/ul	98
72) Carbazole	17.27	167	38588	1.34	ng/ul	96
74) Fluoranthene	18.94	202	918031	22.17	ng/ul	98
77) Pyrene	19.31	202	1730493	43.48	ng/ul#	98
80) Benzo(a)anthracene	21.07	228	1847583	46.05	ng/ul	93
82) Chrysene	21.13	228	2337608	65.34	ng/ul	98
85) Benzo(b)fluoranthene	22.60	252	3329480	104.66	ng/ul#	99
86) Benzo(k)fluoranthene	22.64	252	1125652	37.32	ng/ul#	98
88) Benzo(a)pyrene	23.14	252	1803654	61.59	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.35	276	984877	32.42	ng/ul	98
90) Dibenzo(a,h)anthracene	25.35	278	268030	10.59	ng/ul#	94
91) Benzo(g,h,i)perylene	25.99	276	697486	28.85	ng/ul	98

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Quantitation Report (LSC Reviewed)

Data File : BM010716.D
Acq On : 24 Jun 2017 06:50
Operator : SJ/JU
Sample : I3627-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A10

Manual Integrations
APPROVED

mohammad
6/28/2017 7:46:54 AM

Quant Time: Jun 26 02:15:32 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)

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

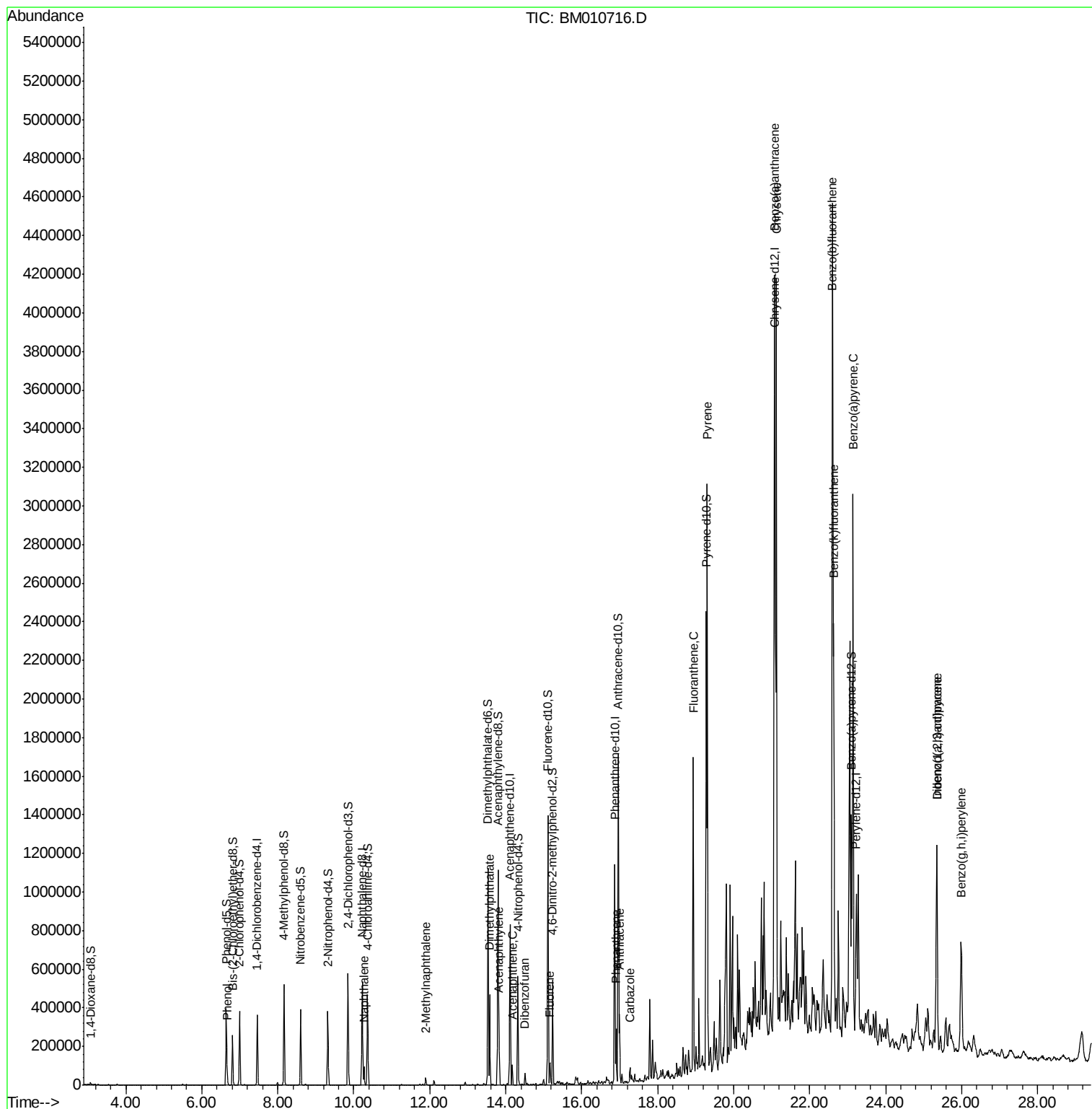
Data File : BM010716.D
Acq On : 24 Jun 2017 06:50
Operator : SJ/JU
Sample : I3627-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

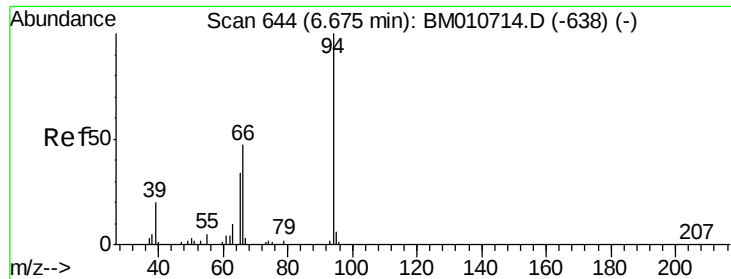
Instrument :
BNA_M
ClientSampled :
F5A10

Manual Integrations
APPROVED

mohammad
6/28/2017 7:46:54 AM

Quant Time: Jun 26 02:15:32 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





#6

Phenol

Concen: 2.28 ng/ul

RT: 6.67 min Scan# 643

Delta R.T. -0.01 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

Instrument :

BNA_M

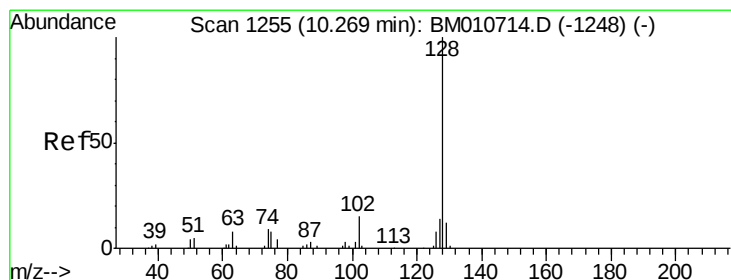
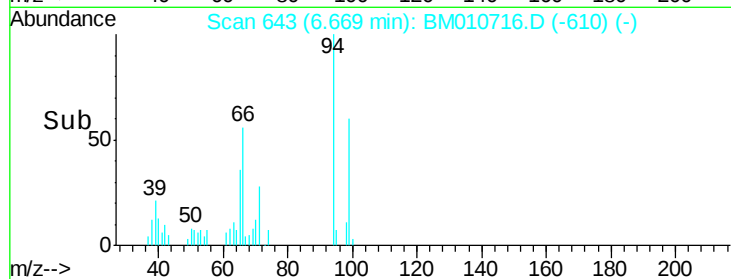
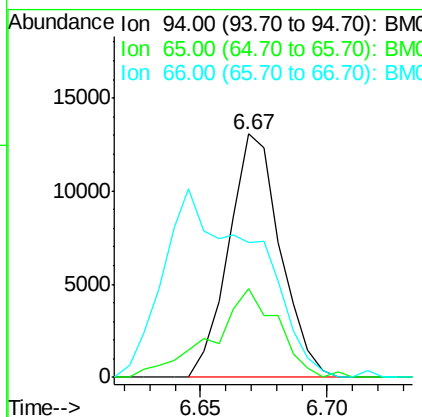
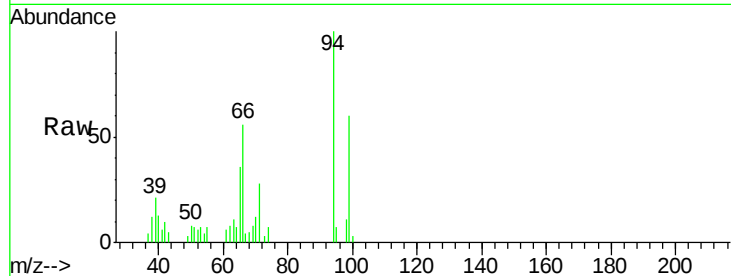
ClientSampleId :

F5A10

Tgt Ion:	94	Resp:	18534
Ion	Ratio	Lower	Upper
94	100		
65	36.3	28.2	42.4
66	55.5	47.2	70.8

Manual Integrations
APPROVED

mohammad
6/28/2017 7:46:54 AM



#28

Naphthalene

Concen: 3.54 ng/ul

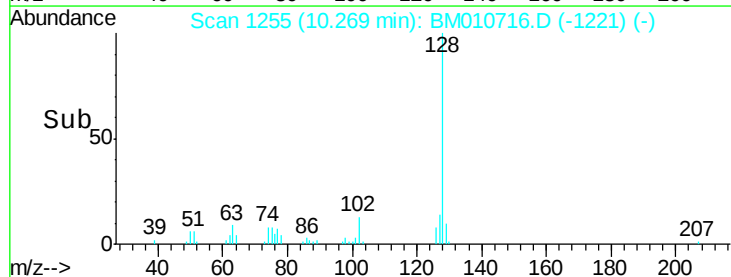
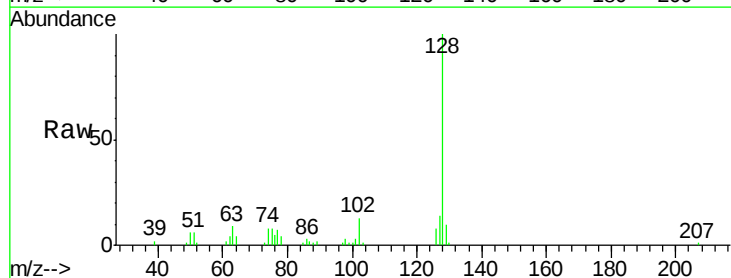
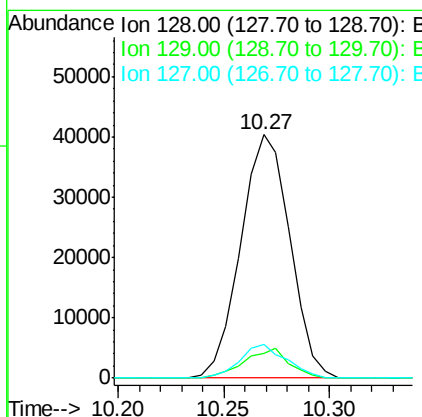
RT: 10.27 min Scan# 1255

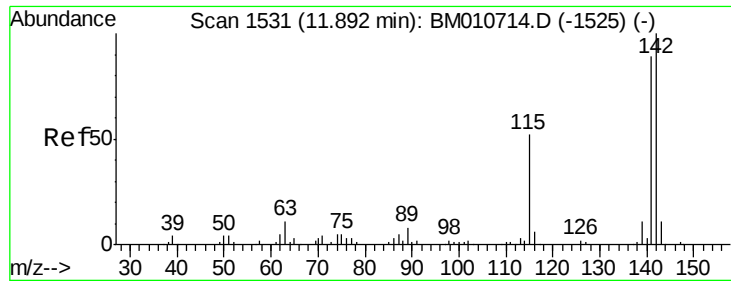
Delta R.T. -0.00 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

Tgt Ion:	128	Resp:	65234
Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.8	13.2
127	13.8	10.6	16.0





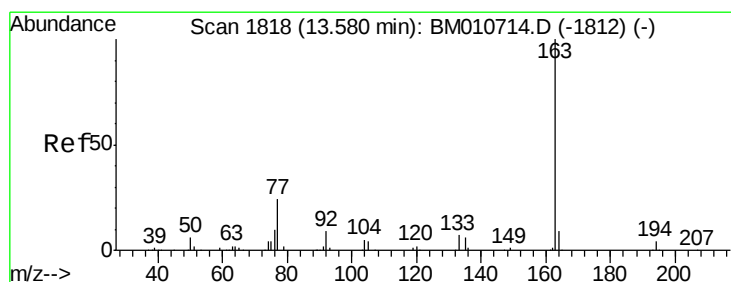
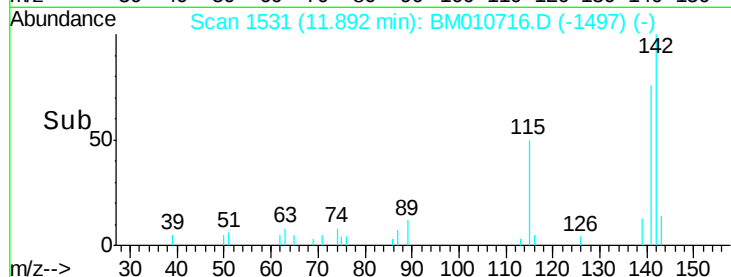
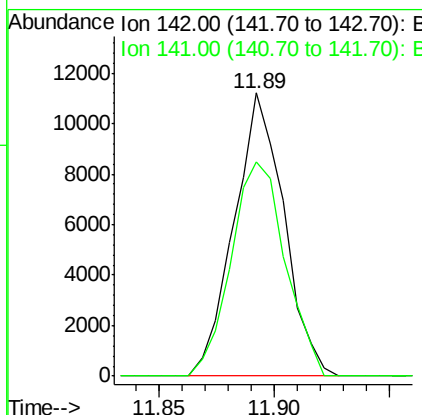
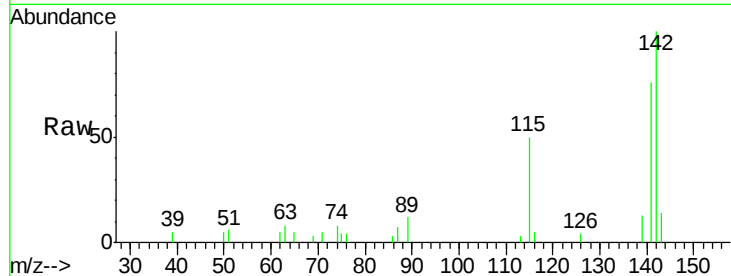
#34
2-Methylnaphthalene
Concen: 1.14 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BM010716.D
Acq: 24 Jun 2017 06:50

Instrument :
BNA_M
ClientSampleId :
F5A10

Tgt Ion:142 Resp: 16841
Ion Ratio Lower Upper
142 100
141 75.7 74.1 111.1

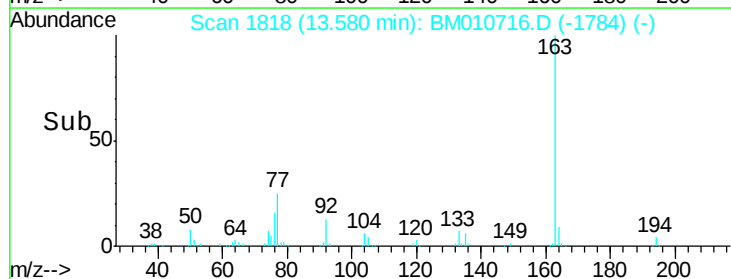
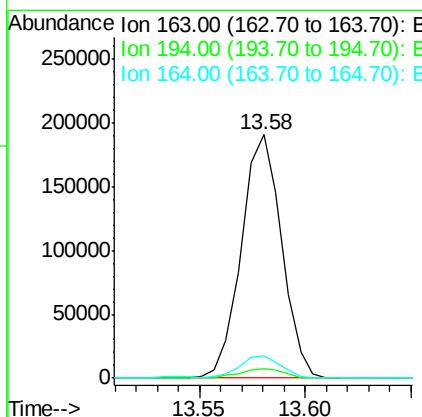
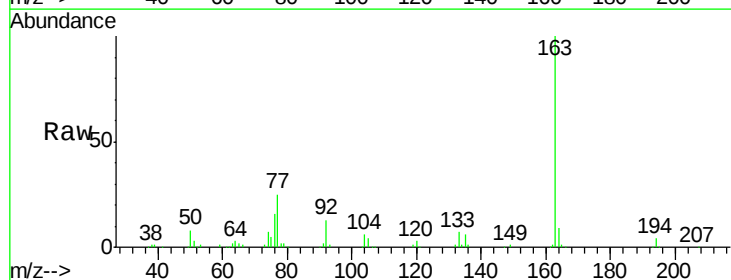
Manual Integrations
APPROVED

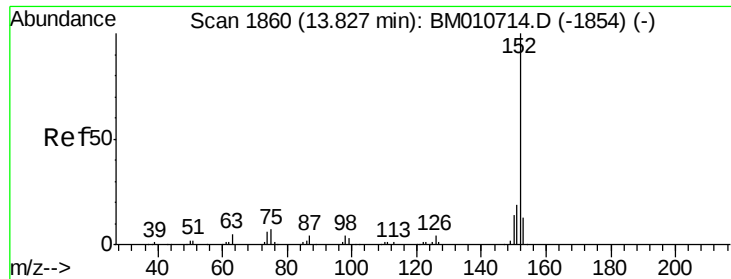
mohammad
6/28/2017 7:46:54 AM



#44
Dimethylphthalate
Concen: 11.68 ng/ul
RT: 13.58 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BM010716.D
Acq: 24 Jun 2017 06:50

Tgt Ion:163 Resp: 252360
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 9.3 8.2 12.4





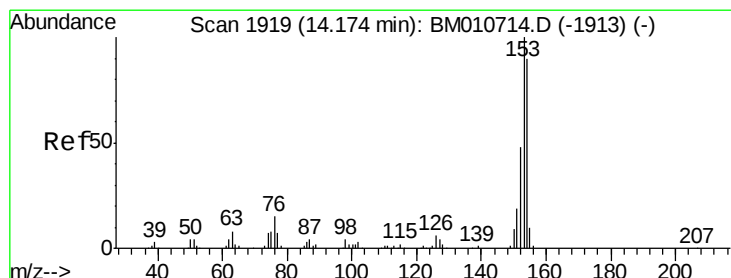
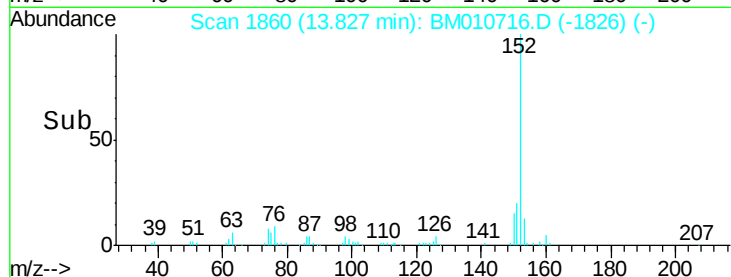
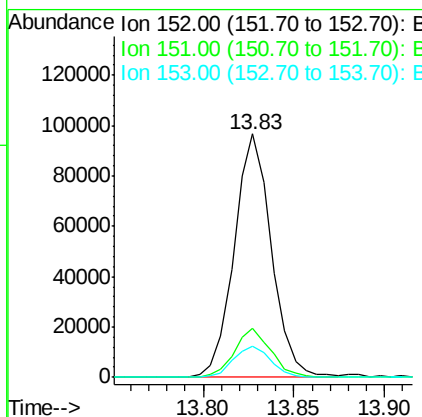
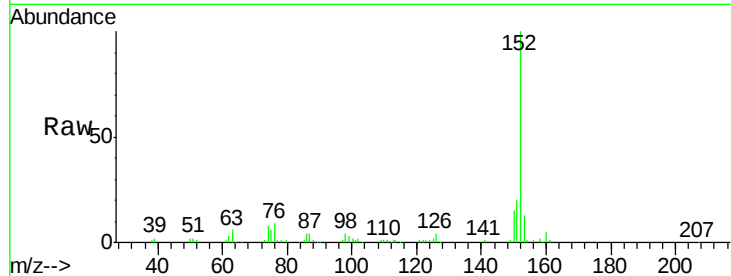
#47
Acenaphthylene
Concen: 5.65 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BM010716.D
Acq: 24 Jun 2017 06:50

Instrument :
BNA_M
ClientSampleId :
F5A10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5
153	13.1	10.2	15.4

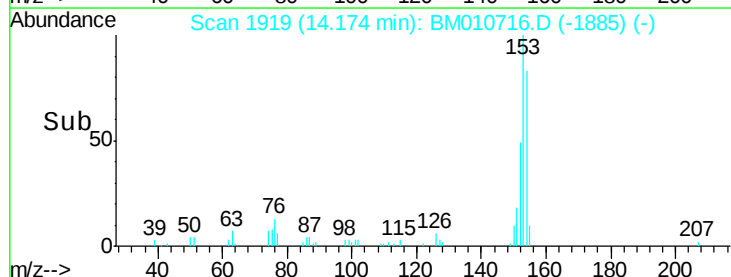
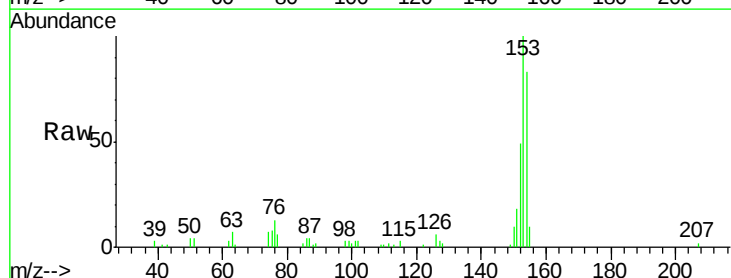
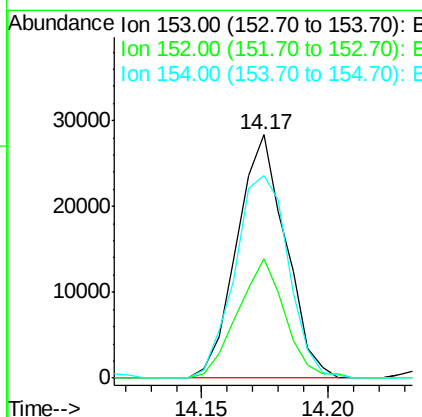
Manual Integrations
APPROVED

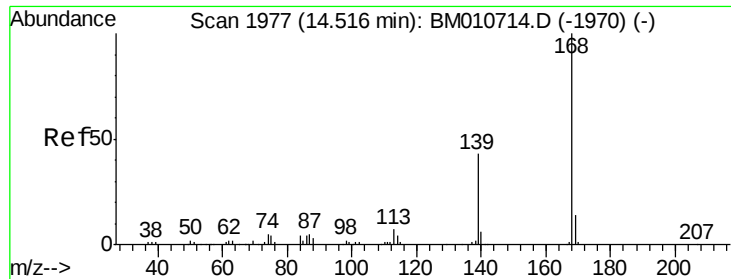
mohammad
6/28/2017 7:46:54 AM



#49
Acenaphthene
Concen: 2.31 ng/ul
RT: 14.17 min Scan# 1919
Delta R.T. -0.00 min
Lab File: BM010716.D
Acq: 24 Jun 2017 06:50

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.2	37.6	56.4
154	83.4	70.4	105.6





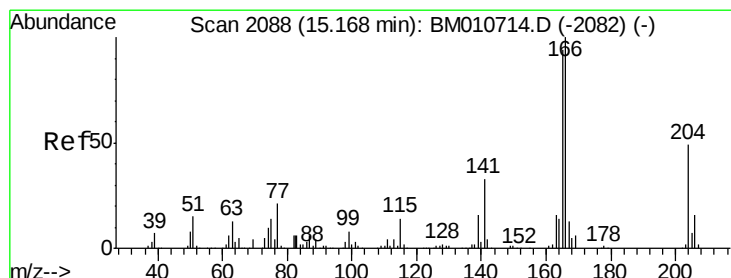
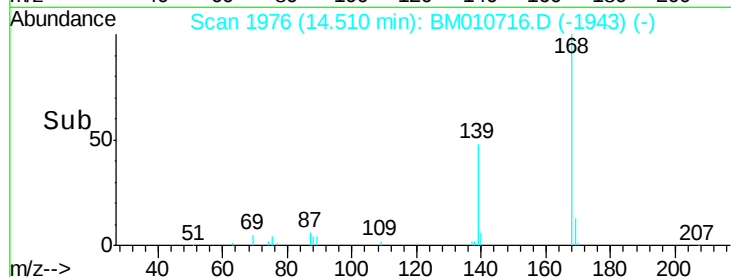
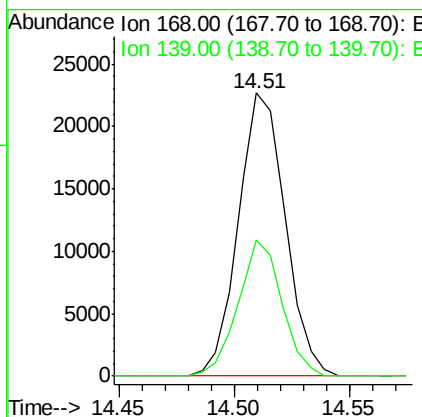
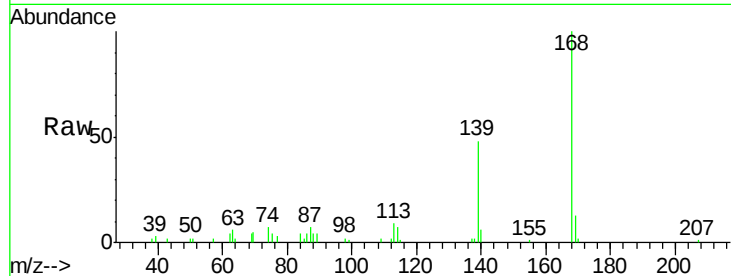
#53
Dibenzenofuran
Concen: 1.29 ng/ul
RT: 14.51 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BM010716.D
Acq: 24 Jun 2017 06:50

Instrument :
BNA_M
ClientSampled :
F5A10

Tgt Ion:168 Resp: 32230
Ion Ratio Lower Upper
168 100
139 48.2 30.8 46.2#

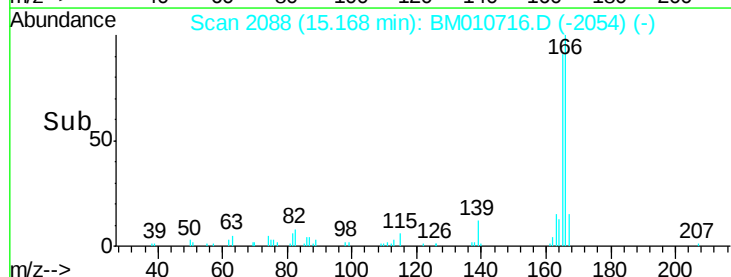
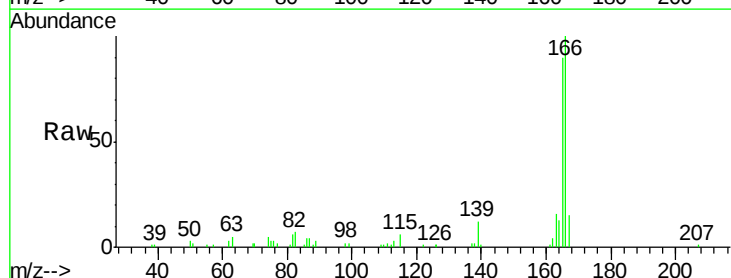
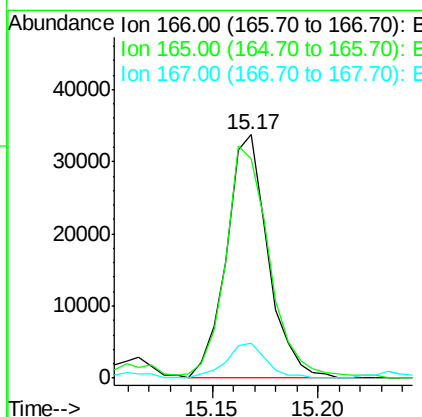
Manual Integrations
APPROVED

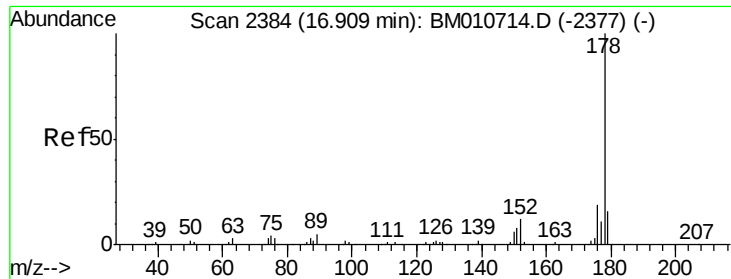
mohammad
6/28/2017 7:46:54 AM



#58
Fluorene
Concen: 2.19 ng/ul
RT: 15.17 min Scan# 2088
Delta R.T. -0.00 min
Lab File: BM010716.D
Acq: 24 Jun 2017 06:50

Tgt Ion:166 Resp: 45749
Ion Ratio Lower Upper
166 100
165 90.3 77.9 116.9
167 14.6 10.6 16.0





#69

Phenanthrene

Concen: 4.96 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

Instrument :

BNA_M

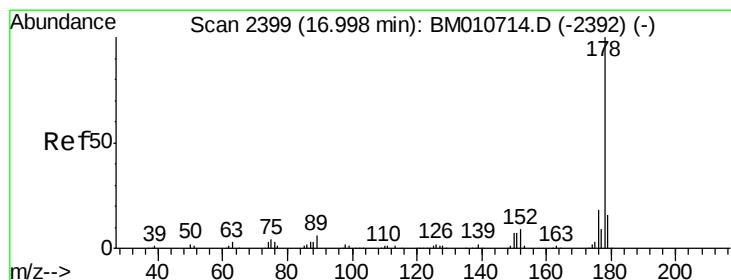
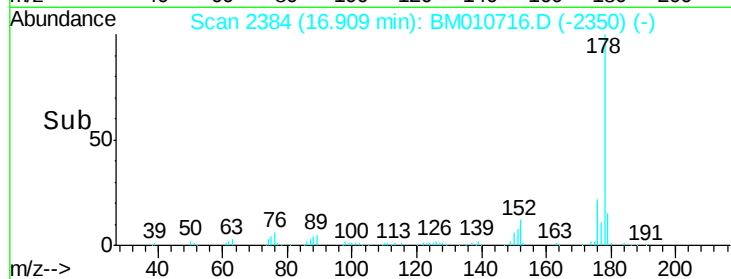
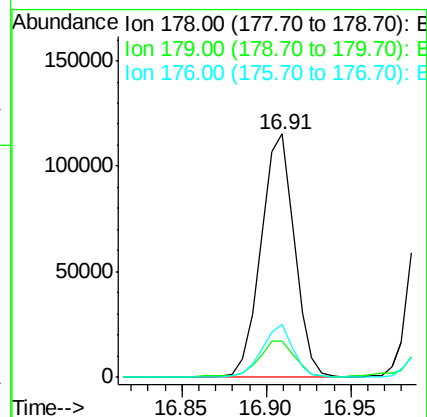
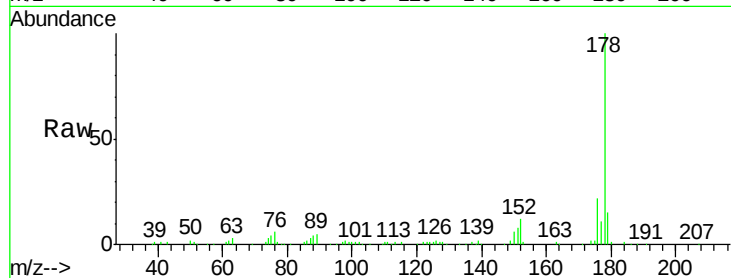
ClientSampleId :

F5A10

Tgt Ion:	178	Resp:	159259
Ion Ratio	Lower	Upper	
178	100		
179	15.1	12.6	19.0
176	21.5	14.9	22.3

Manual Integrations
APPROVED

mohammad
6/28/2017 7:46:54 AM



#71

Anthracene

Concen: 5.72 ng/ul

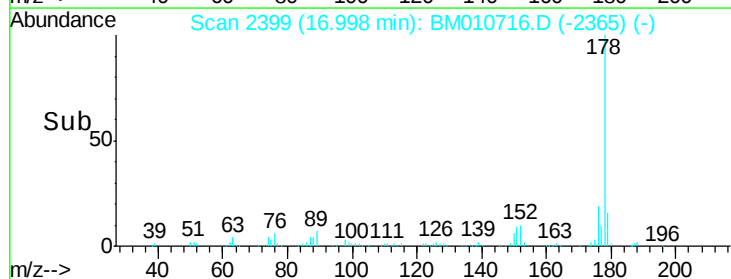
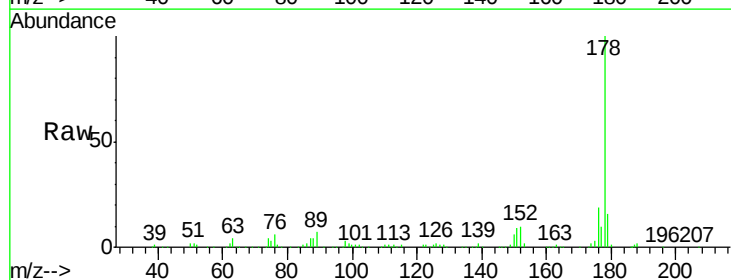
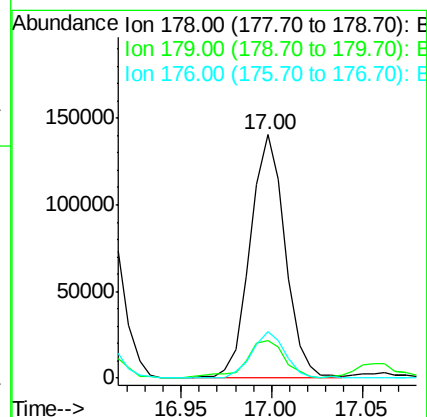
RT: 17.00 min Scan# 2399

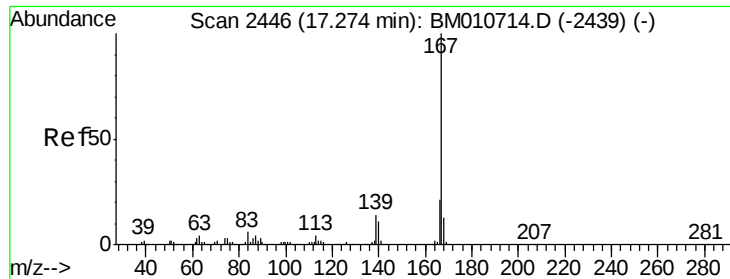
Delta R.T. -0.00 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

Tgt Ion:	178	Resp:	189397
Ion Ratio	Lower	Upper	
178	100		
179	15.7	11.7	17.5
176	19.2	14.6	21.8





#72

Carbazole

Concen: 1.34 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

Instrument :

BNA_M

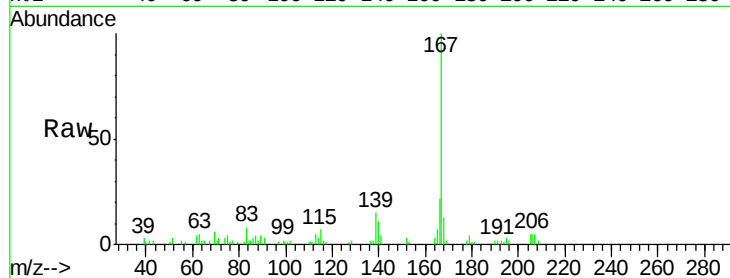
ClientSampleId :

F5A10

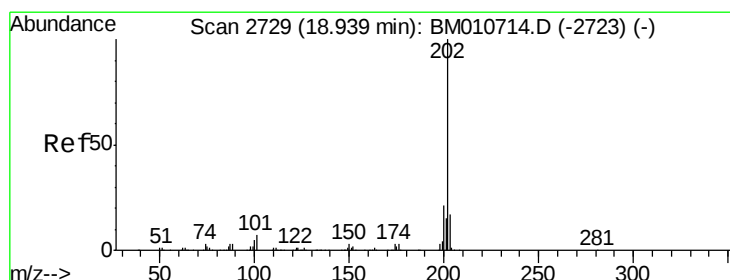
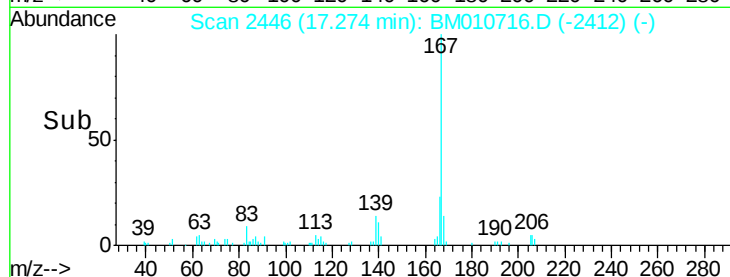
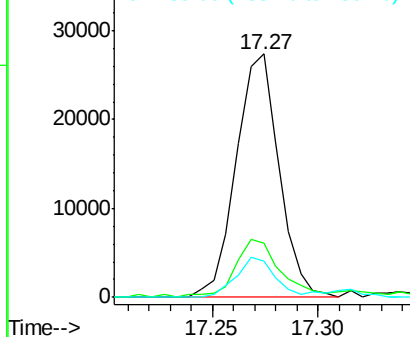
Tgt Ion:	167	Resp:	38588
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.1	25.7
139	14.9	10.0	15.0

Manual Integrations
APPROVED

mohammad
6/28/2017 7:46:54 AM



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: 22.17 ng/ul

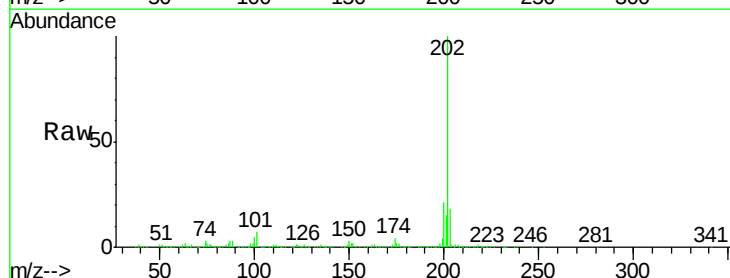
RT: 18.94 min Scan# 2729

Delta R.T. -0.00 min

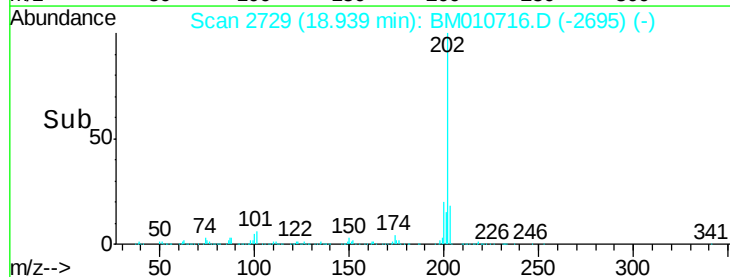
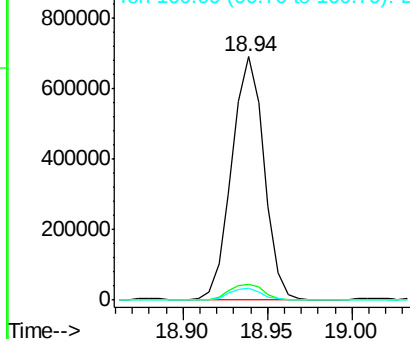
Lab File: BM010716.D

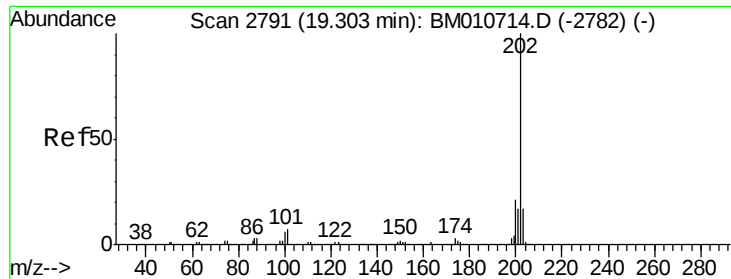
Acq: 24 Jun 2017 06:50

Tgt Ion:	202	Resp:	918031
Ion Ratio	Lower	Upper	
202	100		
101	6.7	4.6	7.0
100	5.0	3.4	5.2



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: 43.48 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

Instrument :

BNA_M

ClientSampleId :

F5A10

Tgt Ion:202 Resp: 1730493

Ion Ratio Lower Upper

202 100

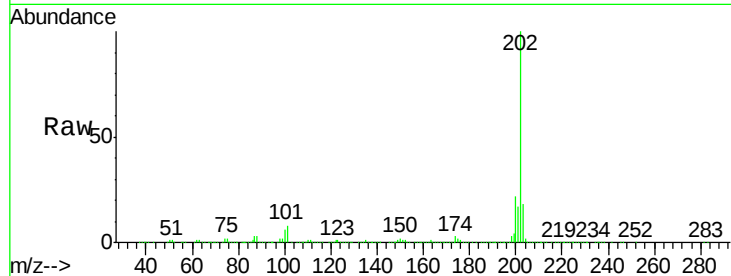
101 7.7 5.1 7.7#

100 6.0 4.9 7.3

Manual Integrations
APPROVED

mohammad

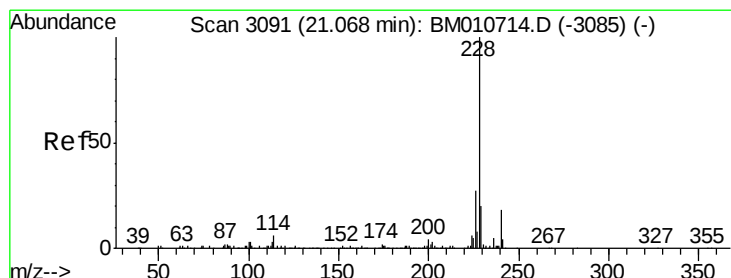
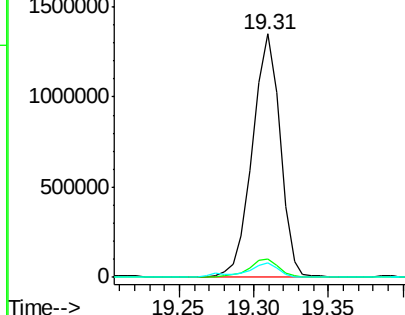
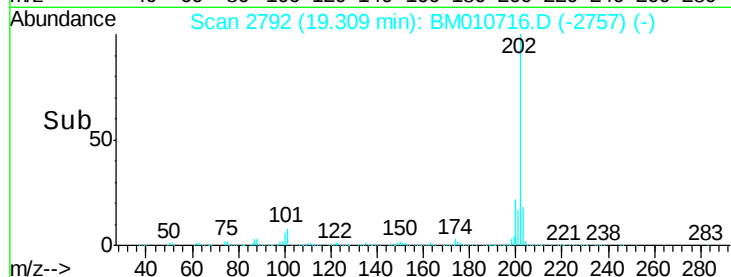
6/28/2017 7:46:54 AM



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



#80

Benzo(a)anthracene

Concen: 46.05 ng/ul

RT: 21.07 min Scan# 3092

Delta R.T. 0.01 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

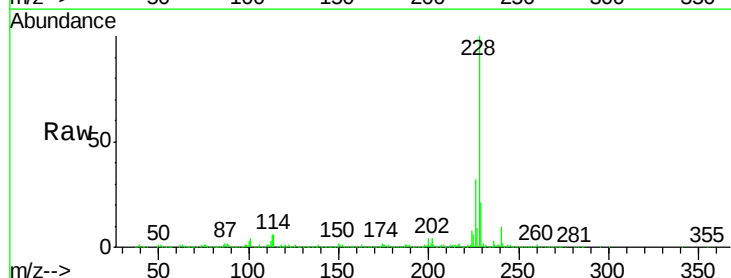
Tgt Ion:228 Resp: 1847583

Ion Ratio Lower Upper

228 100

229 20.9 15.4 23.0

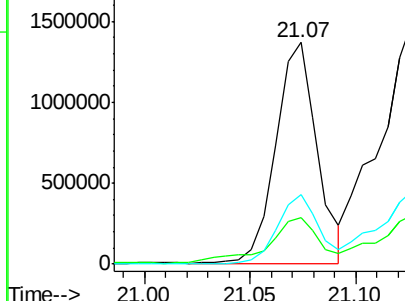
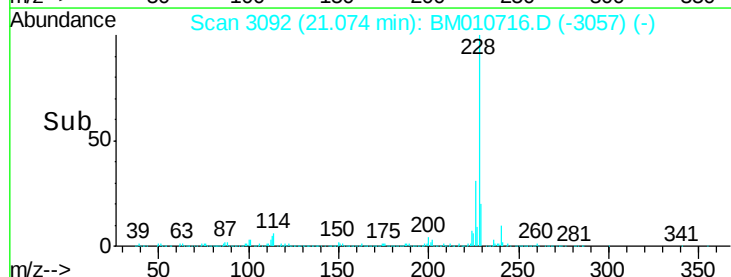
226 31.7 21.4 32.0

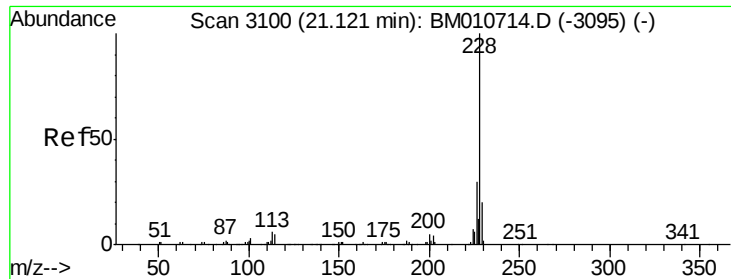


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 65.34 ng/ul

RT: 21.13 min Scan# 3101

Delta R.T. 0.01 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

Instrument :

BNA_M

ClientSampleId :

F5A10

Tgt Ion:228 Resp: 2337608

Ion Ratio Lower Upper

228 100

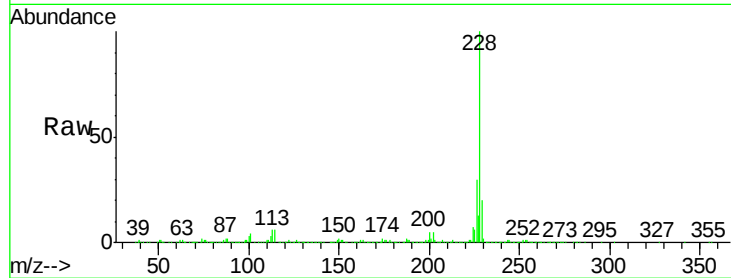
226 30.2 23.4 35.2

229 20.3 15.5 23.3

Manual Integrations
APPROVED

mohammad

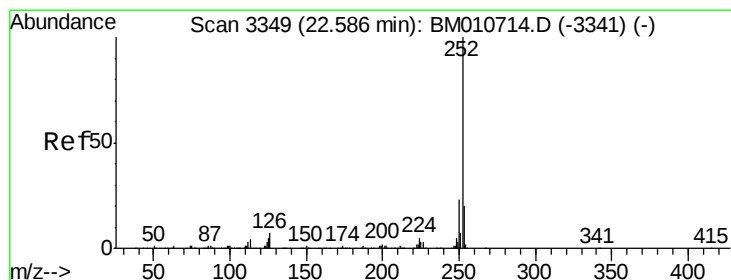
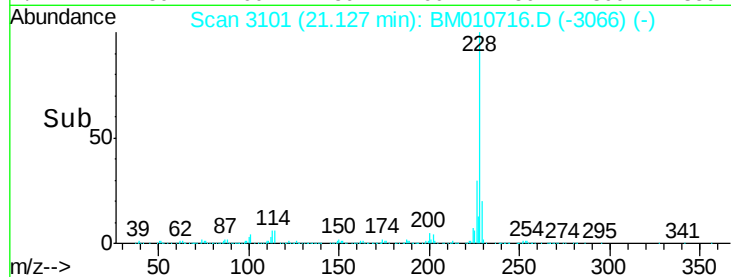
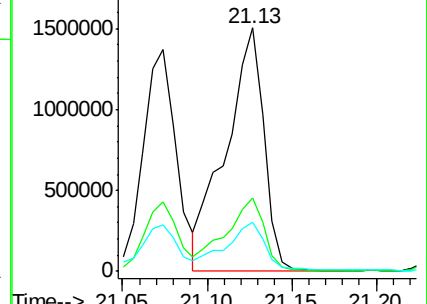
6/28/2017 7:46:54 AM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 104.66 ng/ul

RT: 22.60 min Scan# 3352

Delta R.T. 0.02 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

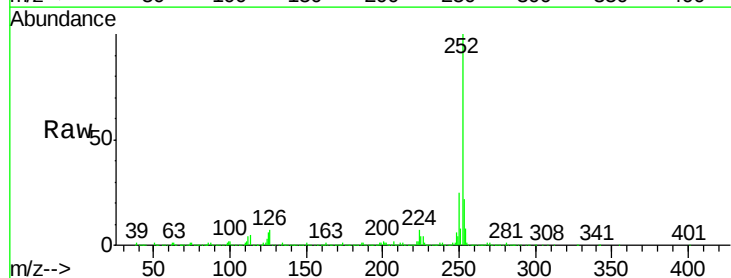
Tgt Ion:252 Resp: 3329480

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

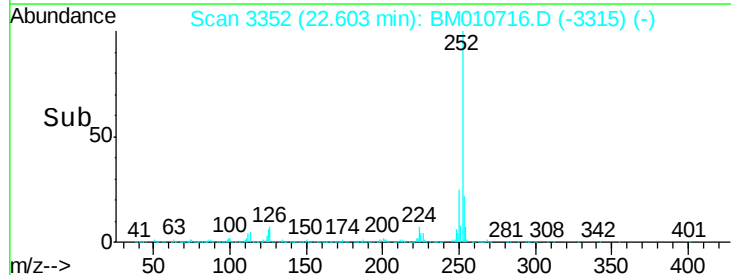
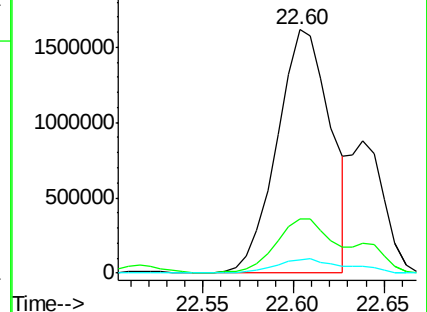
125 5.6 3.6 5.4#

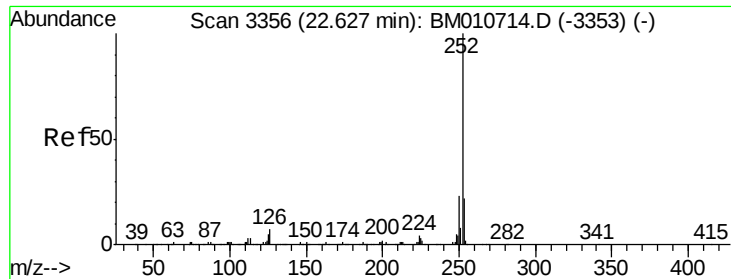


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





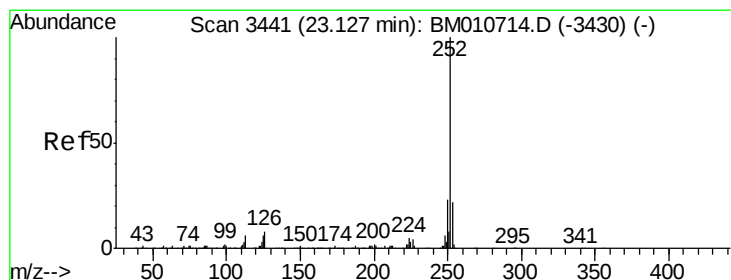
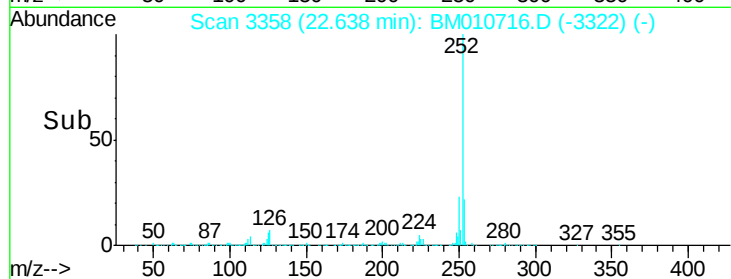
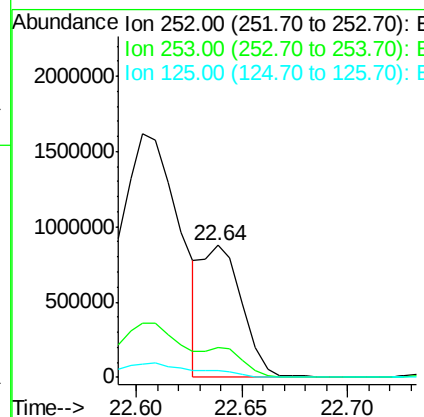
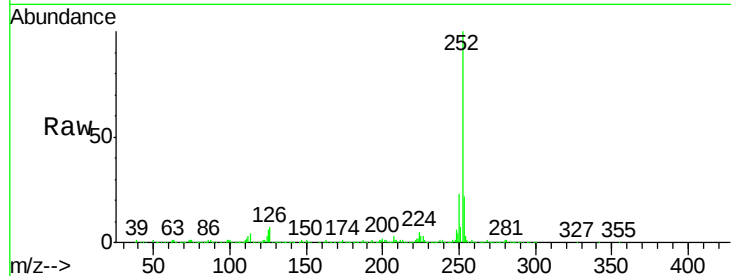
#86
Benzo(k)fluoranthene
Concen: 37.32 ng/ul
RT: 22.64 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BM010716.D
Acq: 24 Jun 2017 06:50

Instrument :
BNA_M
ClientSampleId :
F5A10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	5.5	3.4	5.2

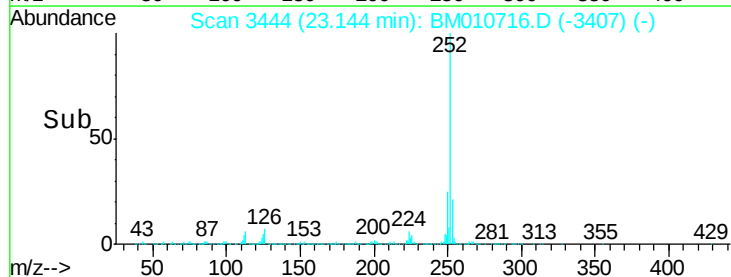
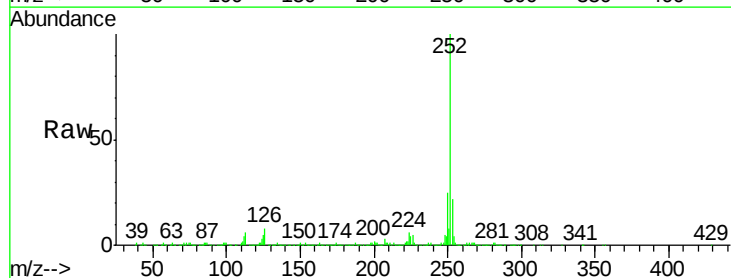
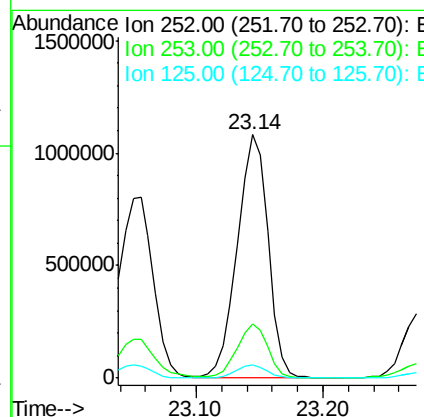
Manual Integrations
APPROVED

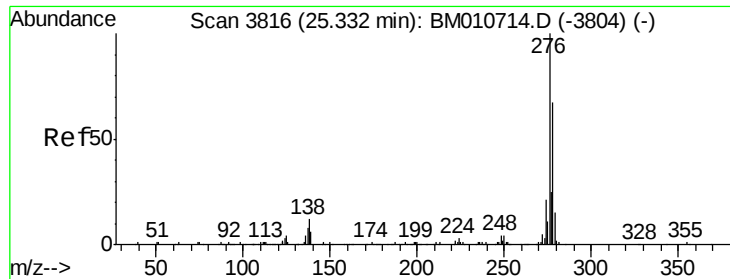
mohammad
6/28/2017 7:46:54 AM



#88
Benzo(a)pyrene
Concen: 61.59 ng/ul
RT: 23.14 min Scan# 3444
Delta R.T. 0.02 min
Lab File: BM010716.D
Acq: 24 Jun 2017 06:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	5.4	4.0	6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 32.42 ng/ul

RT: 25.35 min Scan# 3819

Delta R.T. 0.02 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

Instrument :

BNA_M

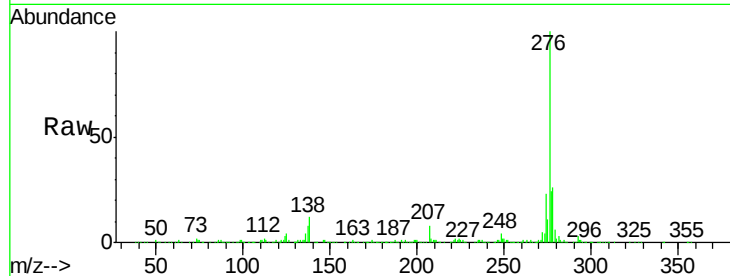
ClientSampleId :

F5A10

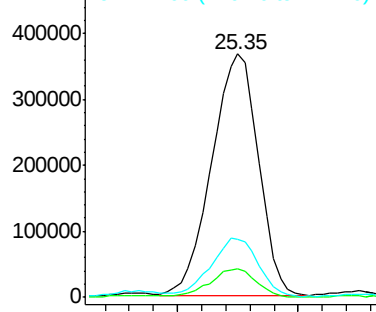
Tgt Ion:	276	Resp:	984877
Ion Ratio	Lower	Upper	
276	100		
138	11.8	9.3	13.9
277	23.9	19.9	29.9

Manual Integrations
APPROVED

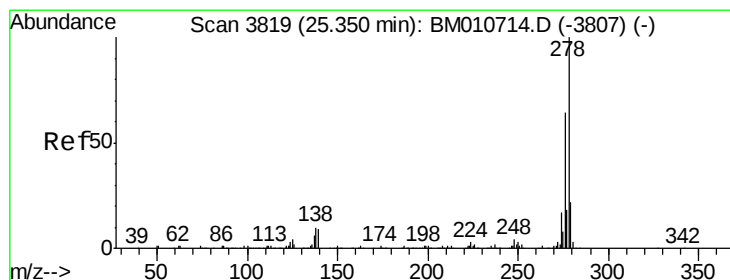
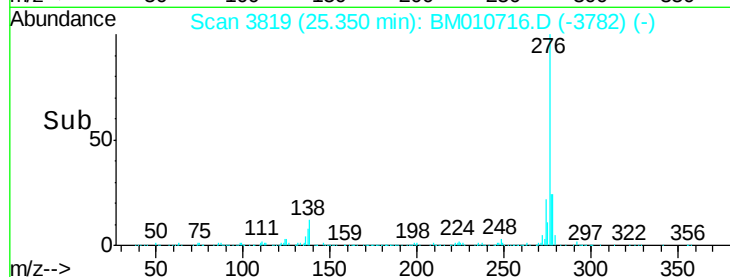
mohammad
6/28/2017 7:46:54 AM



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->



#90

Dibenzo(a,h)anthracene

Concen: 10.59 ng/ul

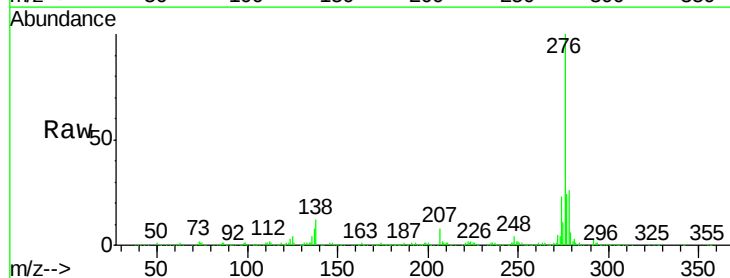
RT: 25.35 min Scan# 3819

Delta R.T. -0.00 min

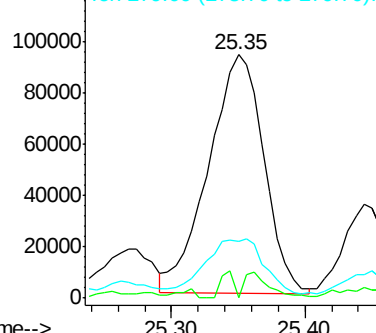
Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

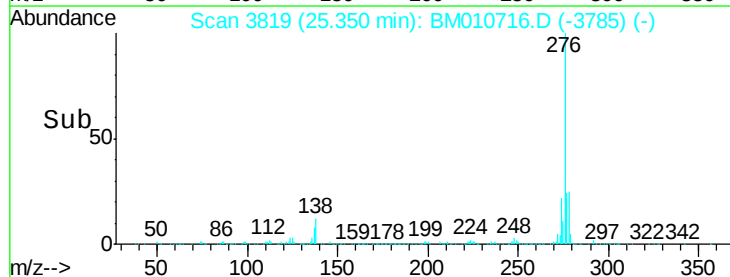
Tgt Ion:	278	Resp:	268030
Ion Ratio	Lower	Upper	
278	100		
139	0.0	5.8	8.8#
279	23.5	18.6	27.8

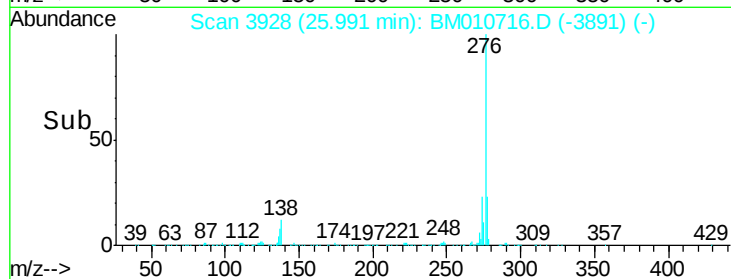
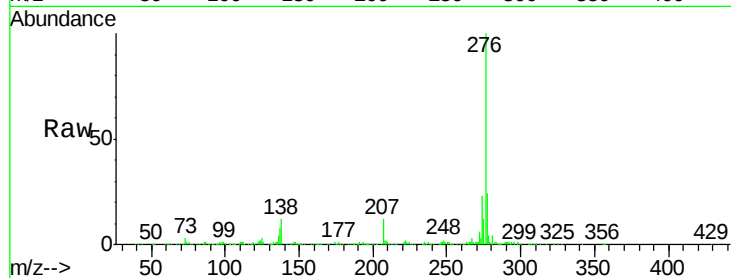
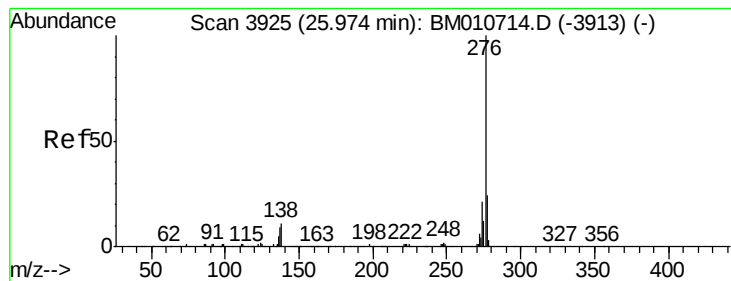


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





#91

Benzo(g,h,i)perylene

Concen: 28.85 ng/ul

RT: 25.99 min Scan# 3928

Delta R.T. 0.02 min

Lab File: BM010716.D

Acq: 24 Jun 2017 06:50

Tgt Ion:	276	Resp:	697486
Ion Ratio	Lower	Upper	
276	100		
138	12.5	8.5	12.7
277	23.8	18.6	28.0

Instrument :

BNA_M

ClientSampleId :

F5A10

Manual Integrations
APPROVED

mohammad
6/28/2017 7:46:54 AM

