

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
 Data File : BM010645.D
 Acq On : 22 Jun 2017 04:26
 Operator : SJ/JU
 Sample : I3558-15ME 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C88ME

Manual Integrations
 APPROVED

mohammad
 6/22/2017 5:33:35 PM

Quant Time: Jun 22 06:42:35 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 01:38:18 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	75252	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	338497	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	236388	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	581214	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	711462	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	609944	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	10519	1.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	7075	1.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	8947	1.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	9861	1.66	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	5209	2.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	5468m	1.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	10895	1.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	19633	3.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	44055	2.12	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	46345	1.92	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	5006	1.37	ng/ul	0.00
57) Fluorene-d10	15.12	176	37638	2.10	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	5280	1.48	ng/ul	0.00
70) Anthracene-d10	16.97	188	61785m	2.20	ng/ul	0.00
76) Pyrene-d10	19.27	212	71082	2.15	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	61648	2.09	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.29	128	6540682	388.284	ng/ul	100
34) 2-Methylnaphthalene	11.90	142	1203974	88.913	ng/ul	95
40) 1,1'-Biphenyl	12.94	154	308603	16.698	ng/ul	98
47) Acenaphthylene	13.83	152	63784	2.774	ng/ul#	93
49) Acenaphthene	14.18	153	958977	61.837	ng/ul	98
53) Dibenzofuran	14.52	168	1141223	48.592	ng/ul	93
58) Fluorene	15.17	166	1165929	59.294	ng/ul	98
69) Phenanthrene	16.92	178	5617503	181.799	ng/ul	99
71) Anthracene	17.00	178	732755	23.018	ng/ul	98
72) Carbazole	17.27	167	335013	12.062	ng/ul	97
74) Fluoranthene	18.94	202	3528876	88.616	ng/ul#	95
77) Pyrene	19.31	202	2296870	55.893	ng/ul#	96
80) Benzo(a)anthracene	21.07	228	745684	17.998	ng/ul	97
82) Chrysene	21.12	228	508657	13.770	ng/ul	98
85) Benzo(b)fluoranthene	22.59	252	388472	9.812	ng/ul	98
86) Benzo(k)fluoranthene	22.63	252	142681	3.801	ng/ul	95
88) Benzo(a)pyrene	23.13	252	228765	6.276	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.32	276	65558	1.734	ng/ul#	93
91) Benzo(g,h,i)perylene	25.97	276	44356	1.474	ng/ul	98

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

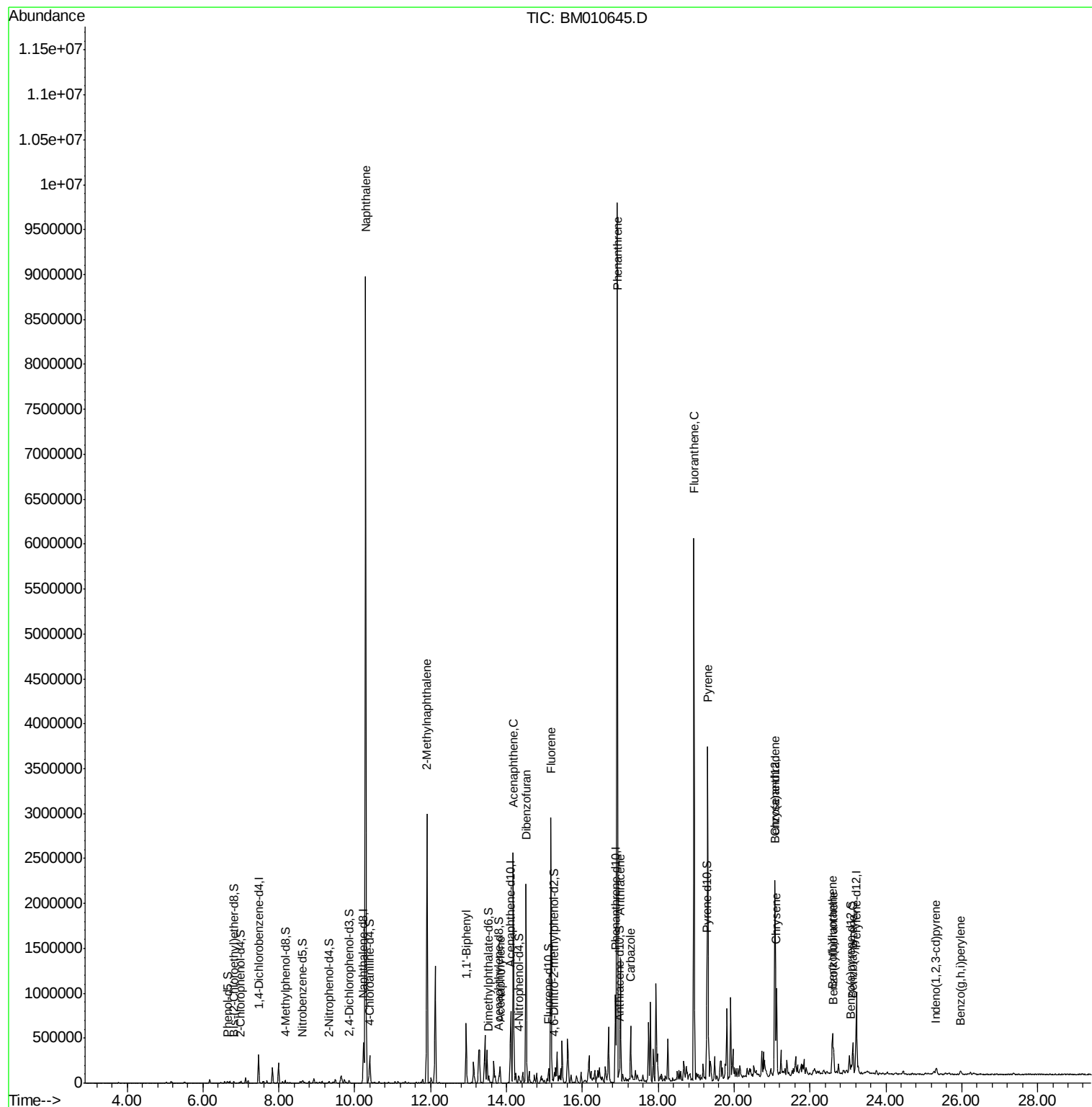
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010645.D
Acq On : 22 Jun 2017 04:26
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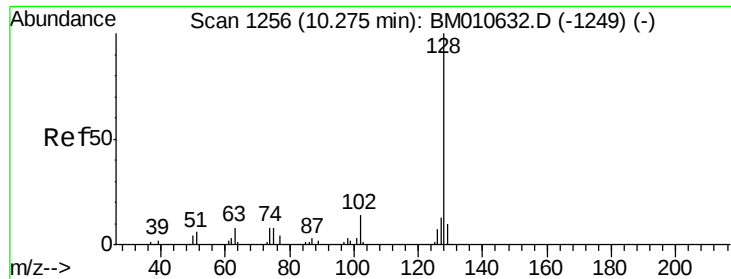
Instrument :
BNA_M
ClientSampleId :
F5C88ME

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Quant Title : SVOA CALIBRATION
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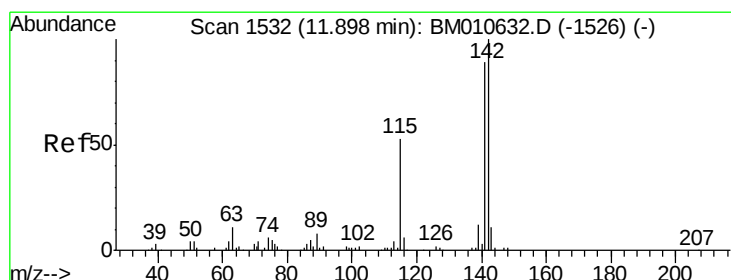
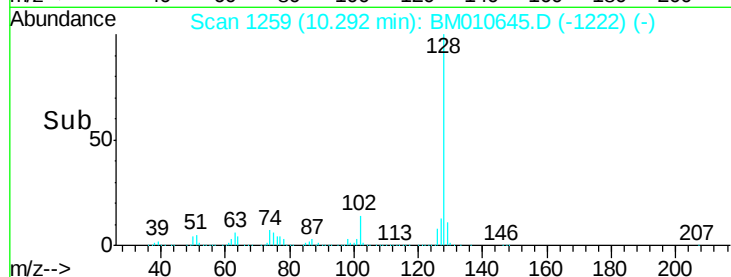
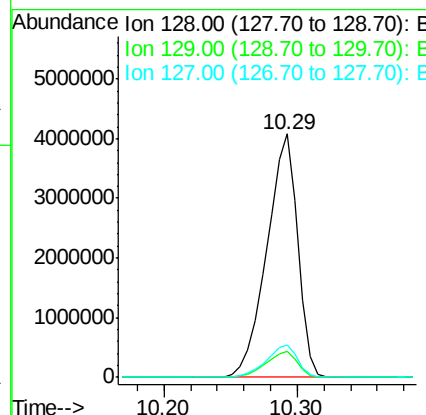
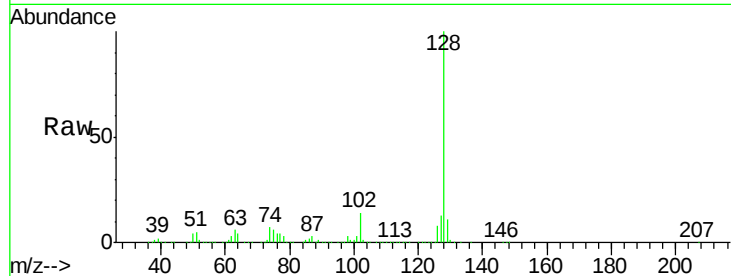
#28
Naphthalene
Concen: 388.284 ng/ul
RT: 10.29 min Scan# 1259
Delta R.T. 0.02 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Instrument :
BNA_M
ClientSampled :
F5C88ME

Tgt Ion:128 Resp: 6540682
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.3 10.6 16.0

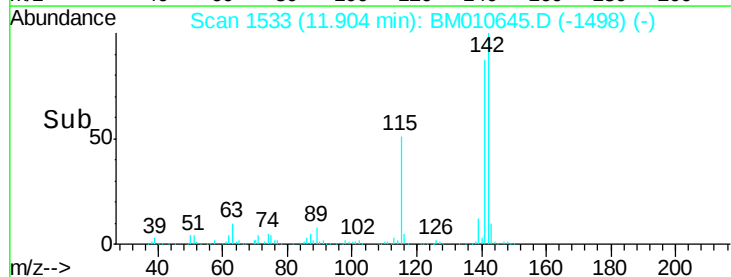
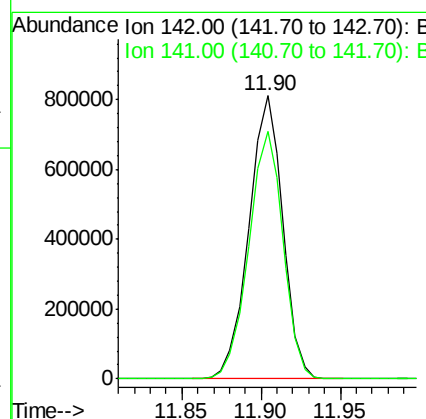
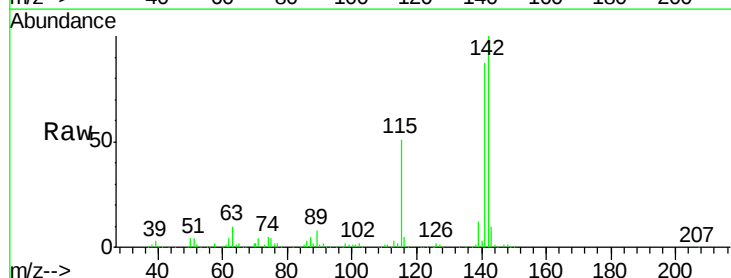
Manual Integrations
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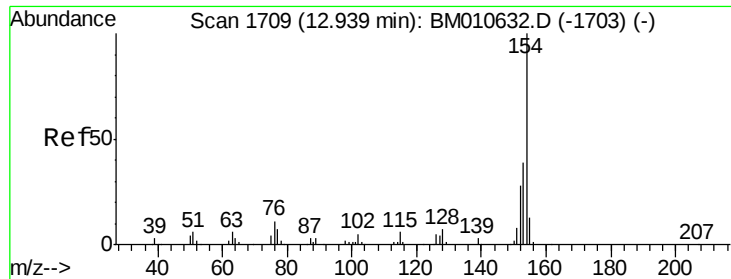
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#34
2-Methylnaphthalene
Concen: 88.913 ng/ul
RT: 11.90 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Tgt Ion:142 Resp: 1203974
Ion Ratio Lower Upper
142 100
141 87.5 74.1 111.1





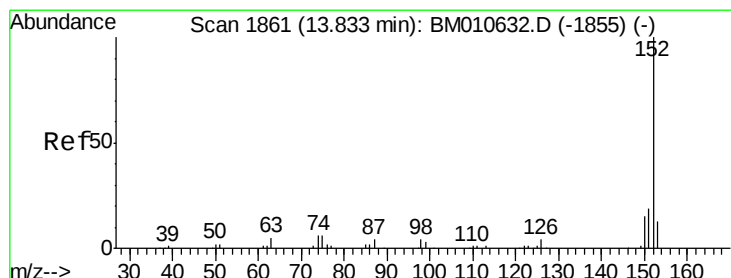
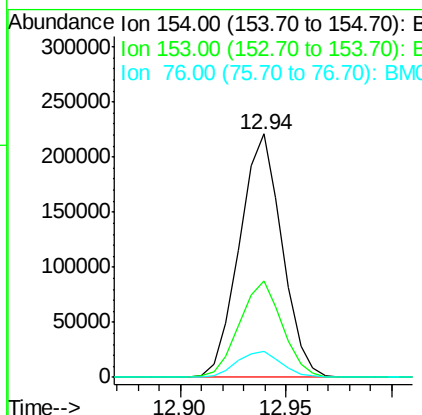
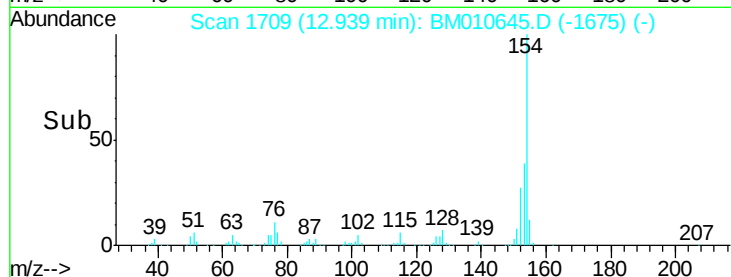
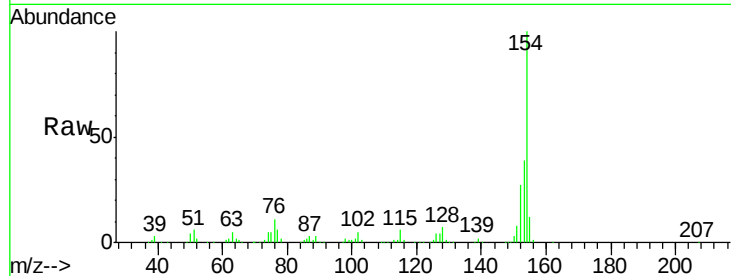
#40
1,1'-Biphenyl
Concen: 16.698 ng/ul
RT: 12.94 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Instrument :
BNA_M
ClientSampled :
F5C88ME

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	308603		
153	39.5	32.6	48.8	
76	10.9	8.5	12.7	

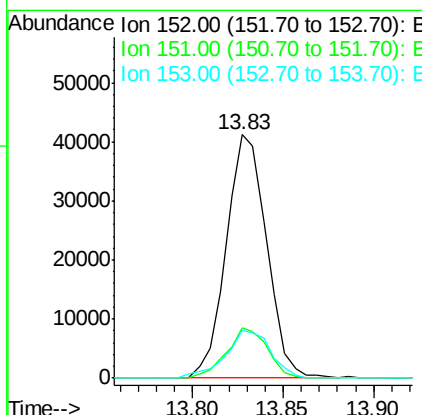
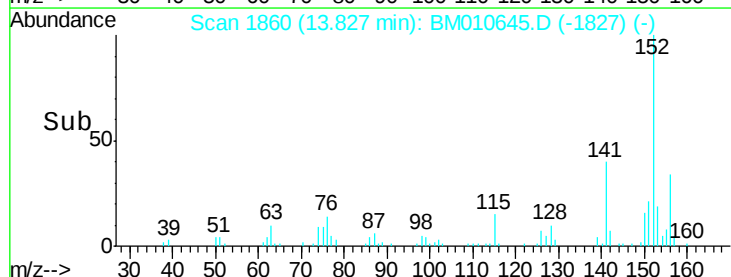
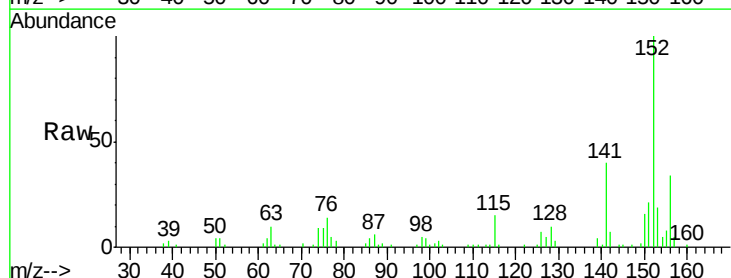
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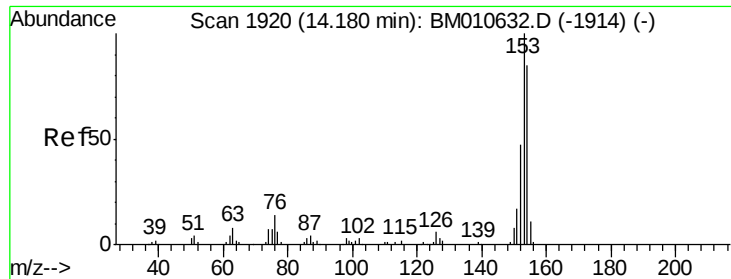
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#47
Acenaphthylene
Concen: 2.774 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	63784		
151	20.8	16.3	24.5	
153	19.4	10.2	15.4	





#49

Acenaphthene

Concen: 61.837 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

Instrument :

BNA_M

ClientSampleId :

F5C88ME

Tgt Ion:153 Resp: 958977

Ion Ratio Lower Upper

153 100

152 48.4 37.6 56.4

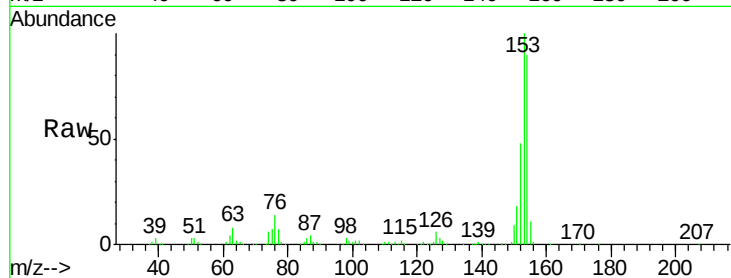
154 90.2 70.4 105.6

Manual Integrations

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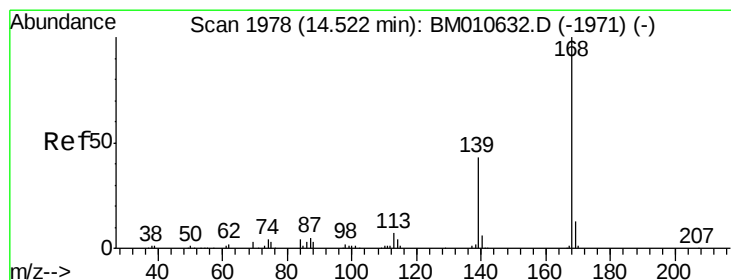
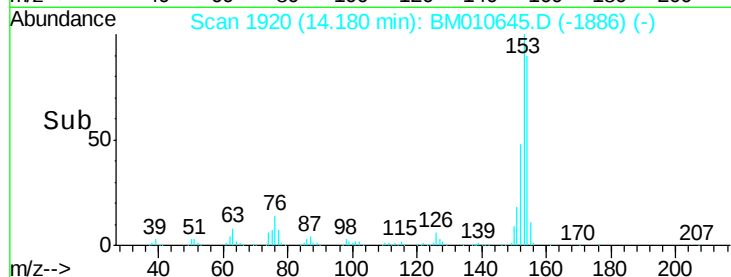
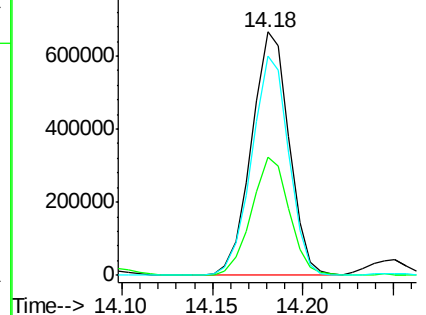
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 48.592 ng/ul

RT: 14.52 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM010645.D

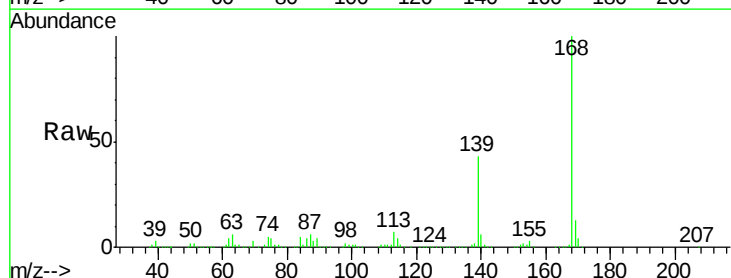
Acq: 22 Jun 2017 04:26

Tgt Ion:168 Resp: 1141223

Ion Ratio Lower Upper

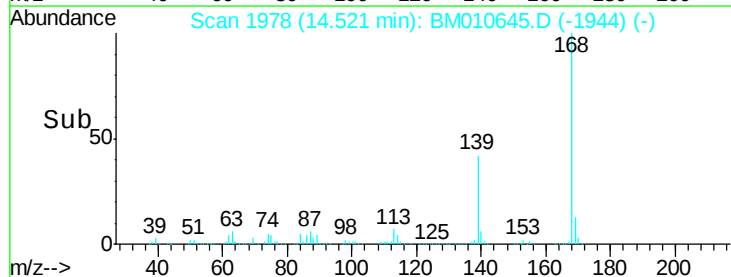
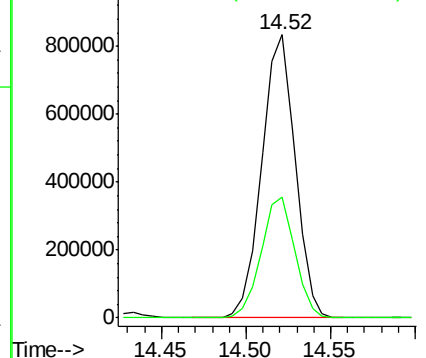
168 100

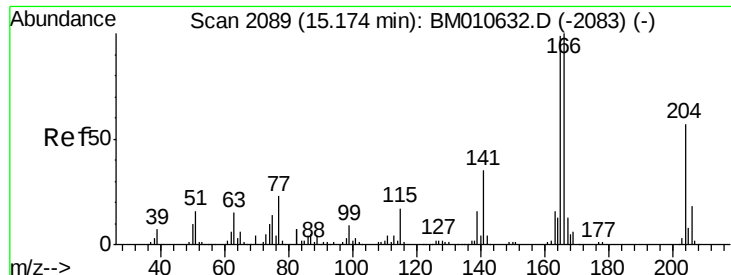
139 42.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





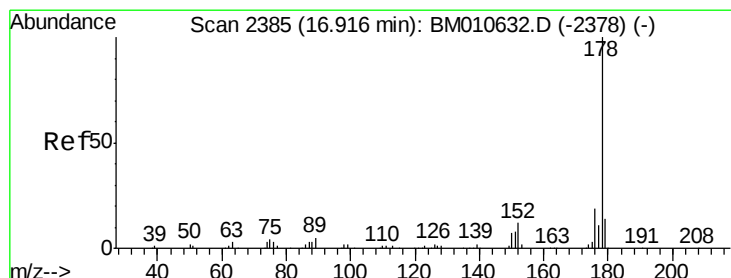
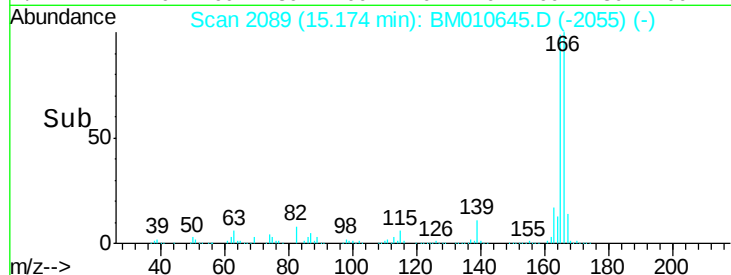
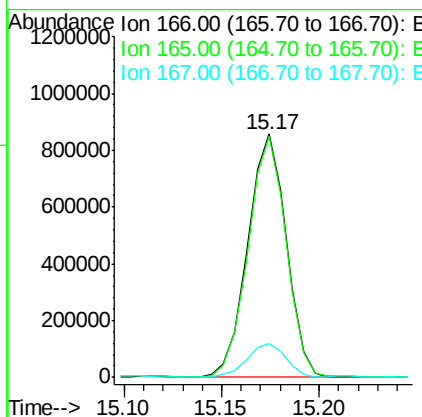
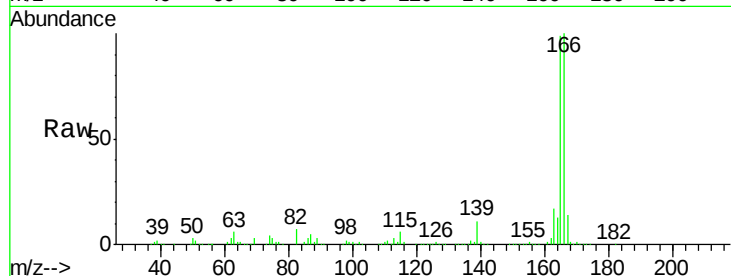
#58
 Fluorene
 Concen: 59.294 ng/ul
 RT: 15.17 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: BM010645.D
 Acq: 22 Jun 2017 04:26

Instrument :
 BNA_M
 ClientSampleId :
 F5C8ME

Tgt Ion:166 Resp: 1165929
 Ion Ratio Lower Upper
 166 100
 165 99.0 77.9 116.9
 167 13.8 10.6 16.0

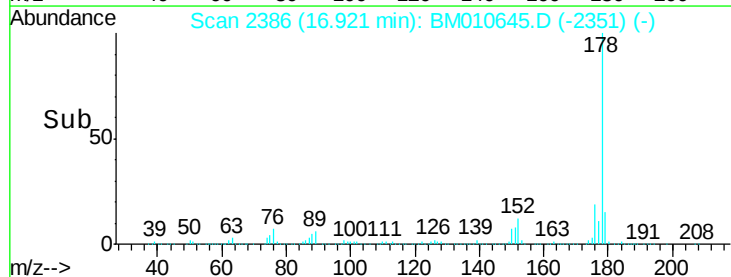
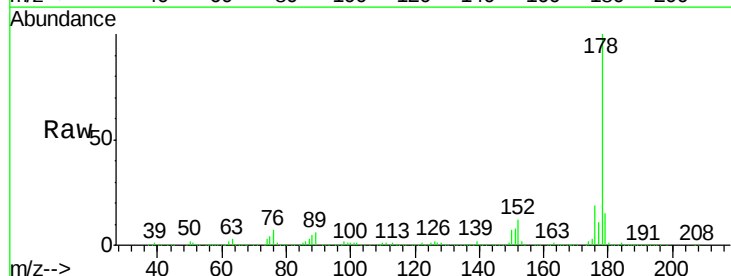
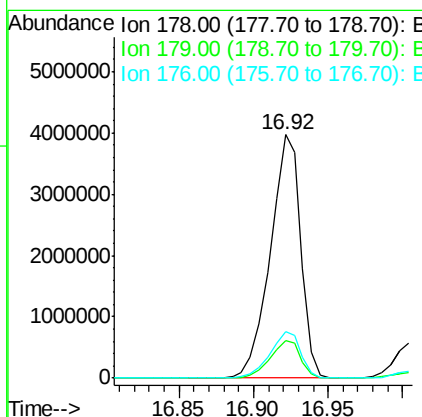
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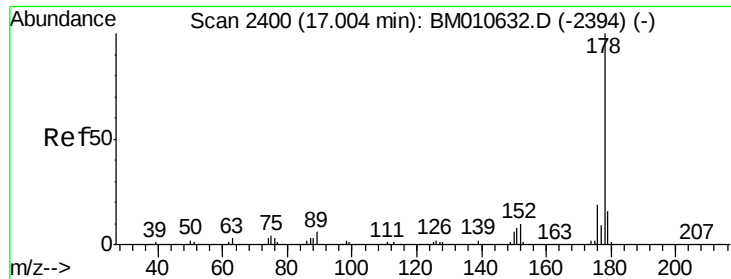
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#69
 Phenanthrene
 Concen: 181.799 ng/ul
 RT: 16.92 min Scan# 2386
 Delta R.T. 0.01 min
 Lab File: BM010645.D
 Acq: 22 Jun 2017 04:26

Tgt Ion:178 Resp: 5617503
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.6 19.0
 176 19.3 14.9 22.3





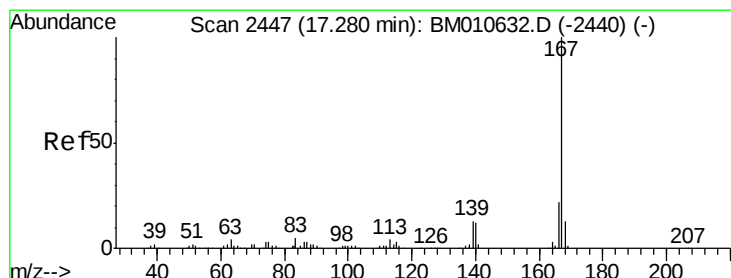
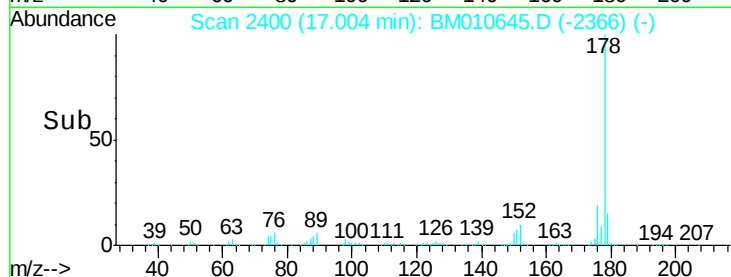
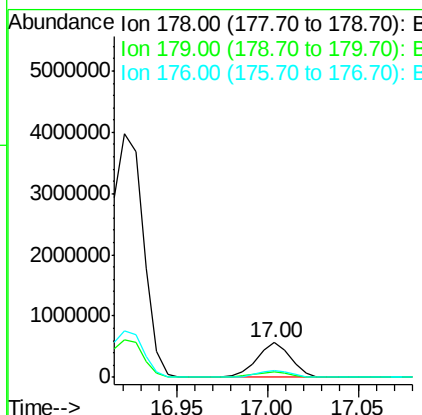
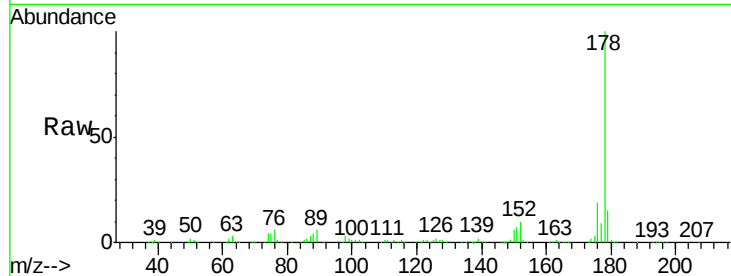
#71
 Anthracene
 Concen: 23.018 ng/ul
 RT: 17.00 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BM010645.D
 Acq: 22 Jun 2017 04:26

Instrument :
 BNA_M
 ClientSampled :
 F5C88ME

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	18.7	14.6	21.8

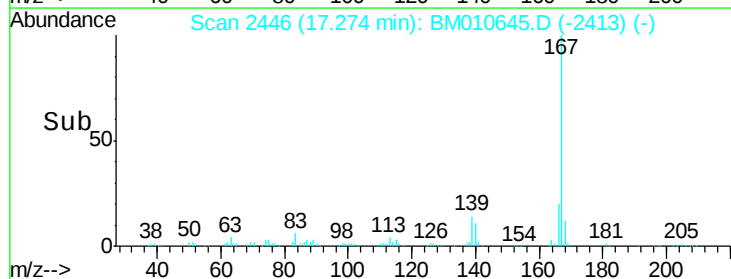
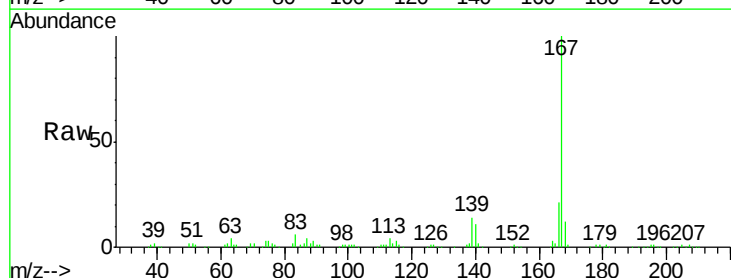
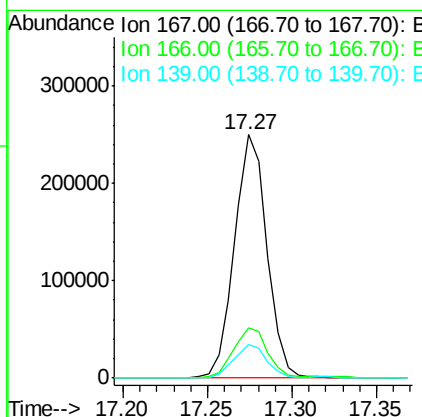
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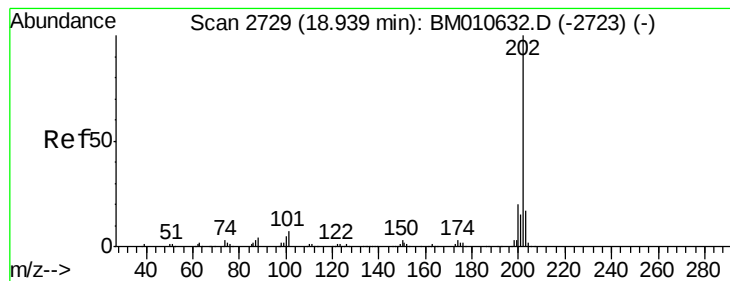
mohammad
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#72
 Carbazole
 Concen: 12.062 ng/ul
 RT: 17.27 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BM010645.D
 Acq: 22 Jun 2017 04:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.1	25.7
139	14.1	10.0	15.0





#74

Fluoranthene

Concen: 88.616 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

Instrument :

BNA_M

ClientSampleId :

F5C88ME

Tgt Ion:202 Resp: 3528876

Ion Ratio Lower Upper

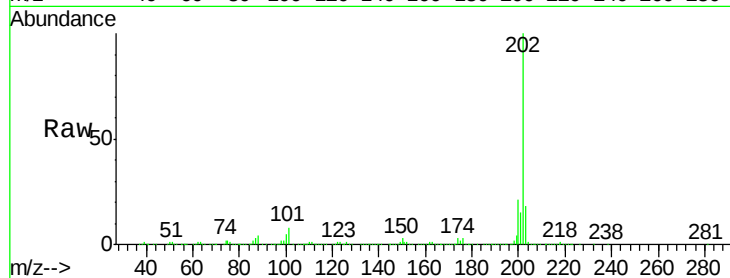
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101 7.7 4.6 7.0#

100 5.4 3.4 5.2#

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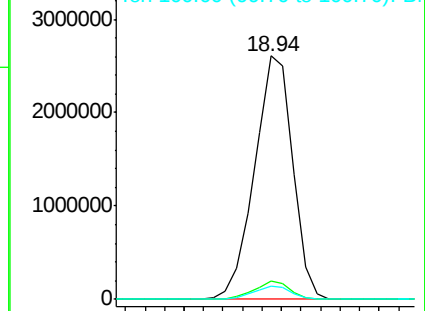
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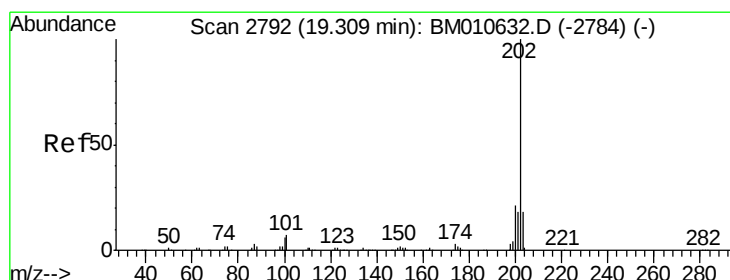
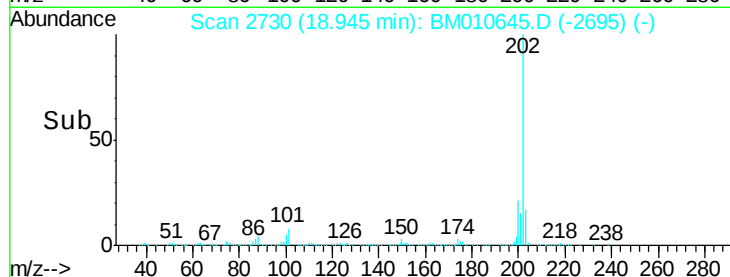
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 55.893 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. -0.00 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

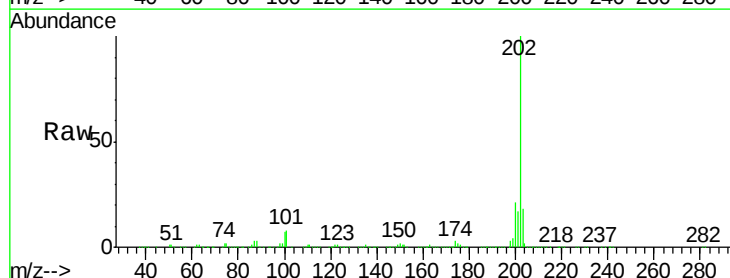
Tgt Ion:202 Resp: 2296870

Ion Ratio Lower Upper

202 100

101 8.5 5.1 7.7#

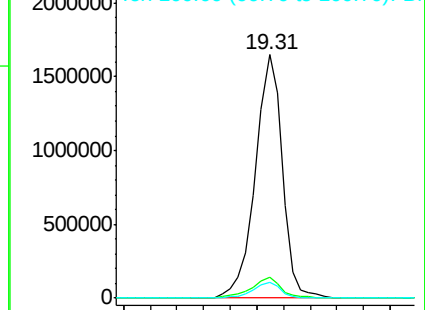
100 6.7 4.9 7.3



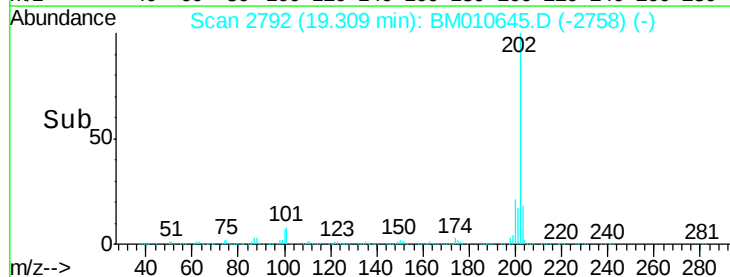
Abundance Ion 202.00 (201.70 to 202.70): E

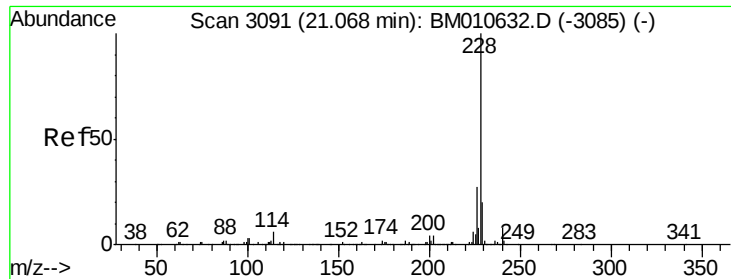
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Ion 100.00 (99.70 to 100.70): B



Time-->





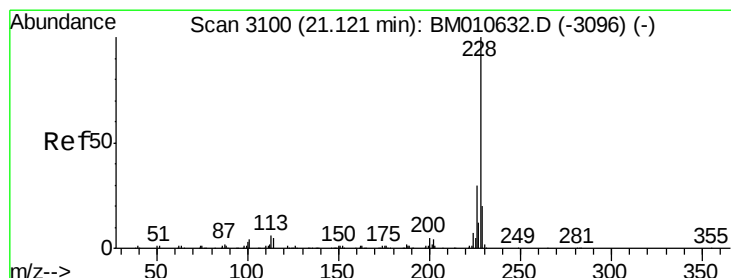
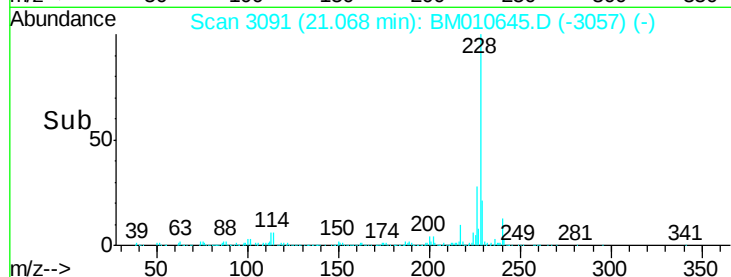
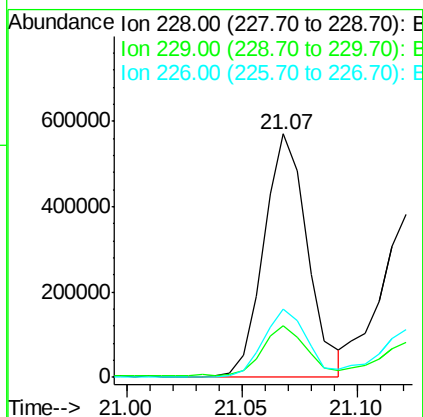
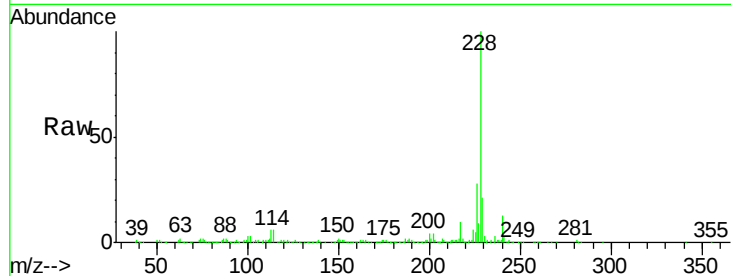
#80
Benzo(a)anthracene
Concen: 17.998 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. -0.00 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Instrument :
BNA_M
ClientSampleId :
F5C88ME

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.0
226	27.9	21.4	32.0

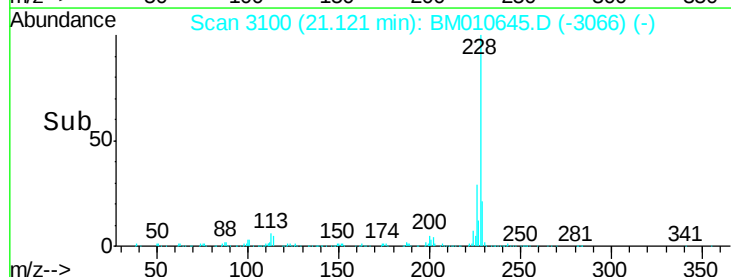
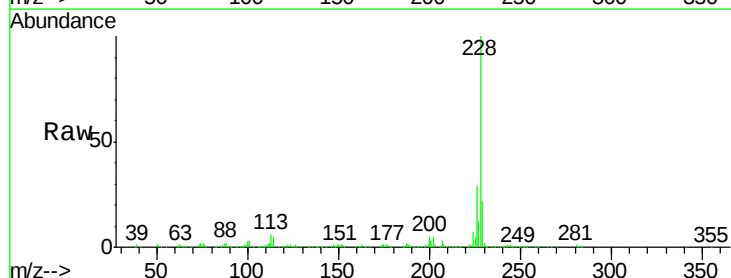
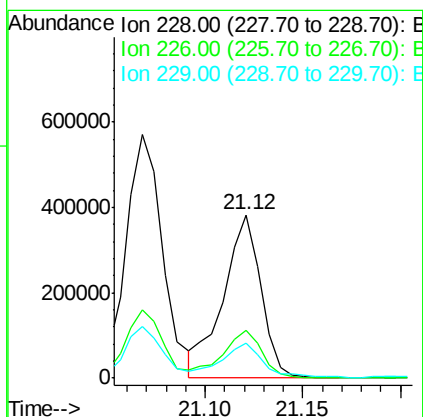
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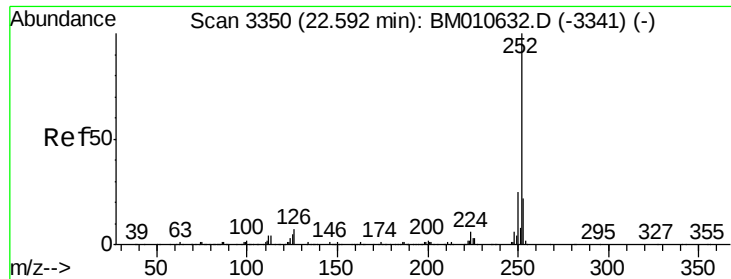
mohammad
6/22/2017 5:33:35 PM



#82
Chrysene
Concen: 13.770 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. -0.00 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.2
229	21.7	15.5	23.3





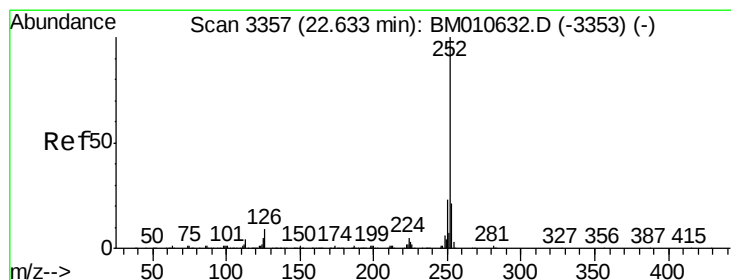
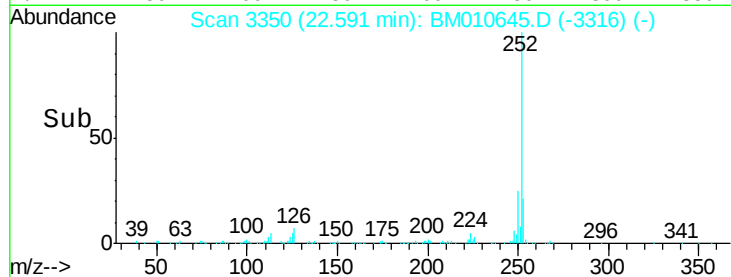
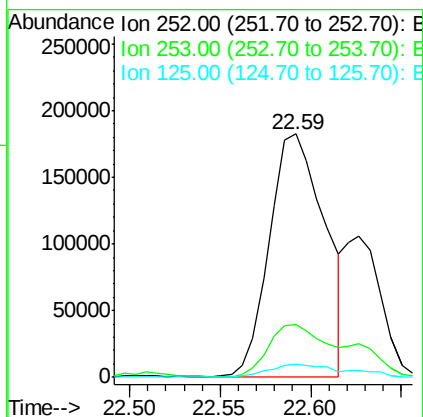
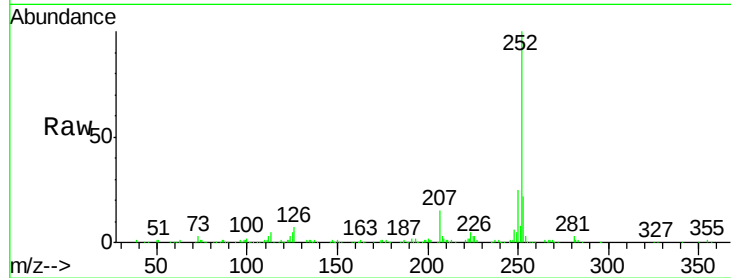
#85
Benzo(b)fluoranthene
Concen: 9.812 ng/ul
RT: 22.59 min Scan# 3350
Delta R.T. -0.00 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Instrument :
BNA_M
ClientSampleId :
F5C88ME

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	5.2	3.6	5.4

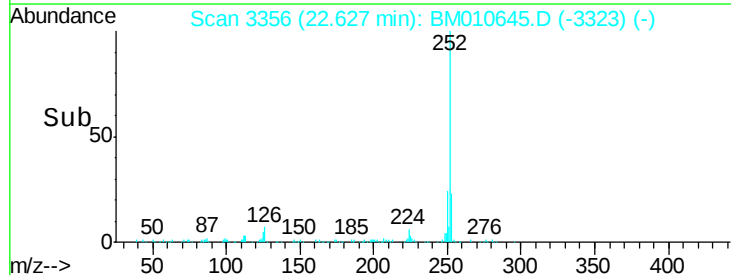
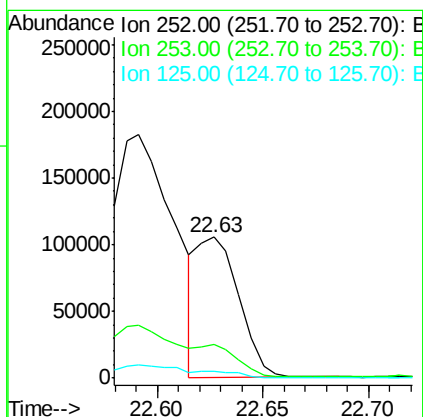
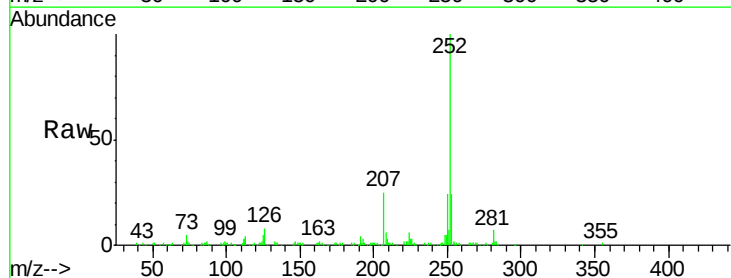
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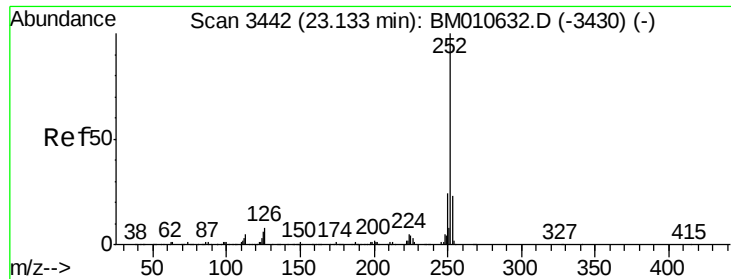
mohammad
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#86
Benzo(k)fluoranthene
Concen: 3.801 ng/ul
RT: 22.63 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	5.0	3.4	5.2





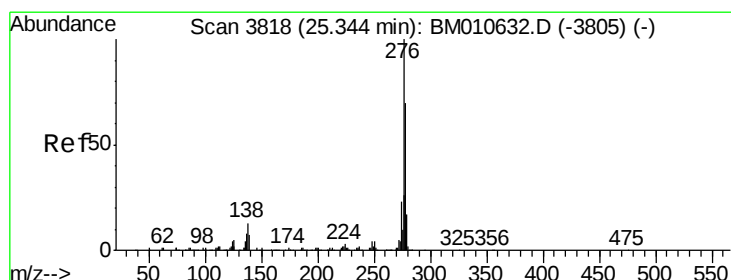
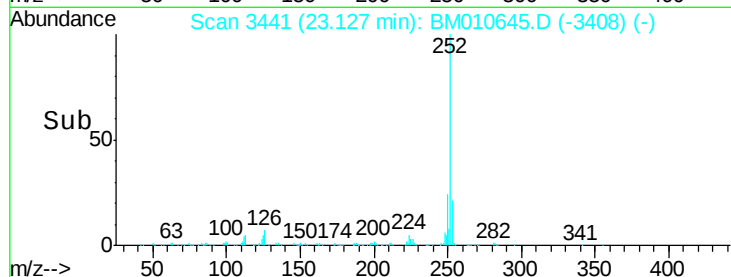
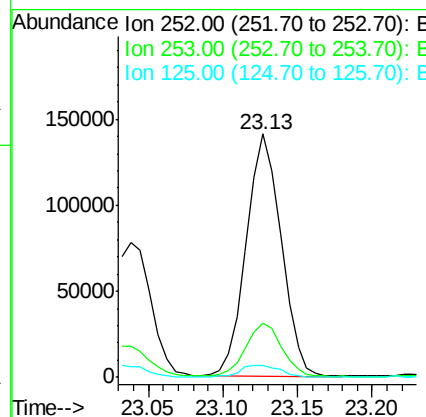
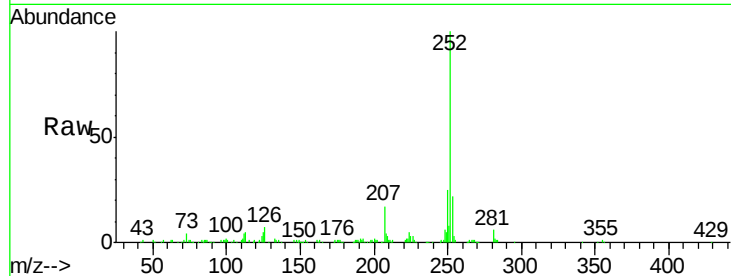
#88
Benzo(a)pyrene
Concen: 6.276 ng/ul
RT: 23.13 min Scan# 3441
Delta R.T. -0.01 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Instrument :
BNA_M
ClientSampleId :
F5C8ME

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.3	18.2	27.2
125	5.1	4.0	6.0

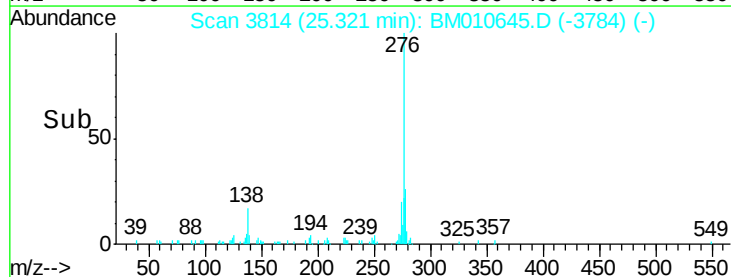
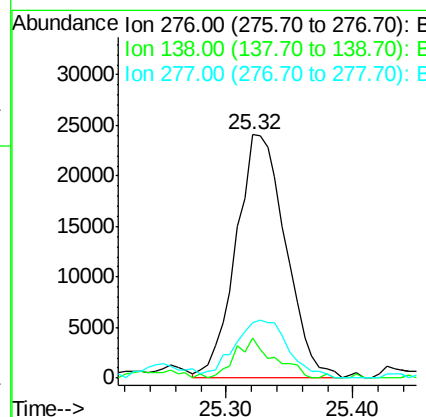
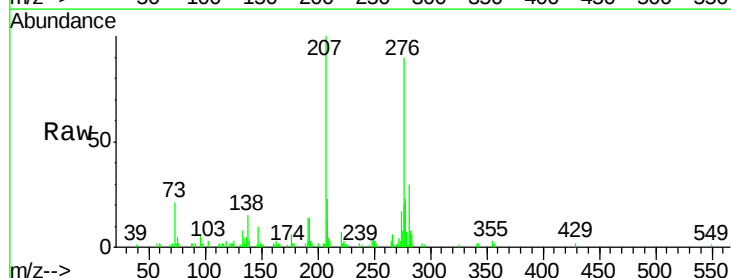
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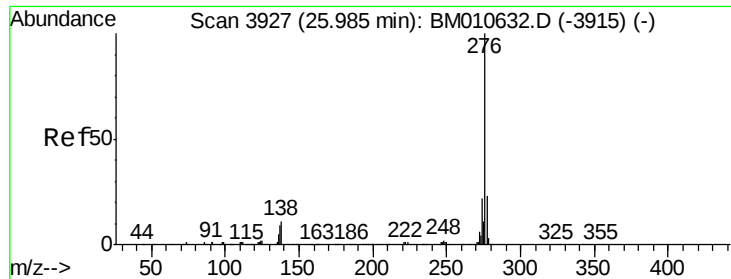
mohammad
6/22/2017 5:33:35 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 1.734 ng/ul
RT: 25.32 min Scan# 3814
Delta R.T. -0.02 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	16.3	9.3	13.9#
277	22.7	19.9	29.9





#91
 Benzo(g,h,i)perylene
 Concen: 1.474 ng/ul
 RT: 25.97 min Scan# 3924
 Delta R.T. -0.02 min
 Lab File: BM010645.D
 Acq: 22 Jun 2017 04:26

Instrument :
 BNA_M
 ClientSampleId :
 F5C88ME

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	9.1	8.5	12.7
277	23.7	18.6	28.0

Manual Integrations
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mohammad
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