

Data File : BM010732.D
Acq On : 24 Jun 2017 16:27
Operator : SJ/JU
Sample : I3627-13ME
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5E24ME

Manual Integrations
APPROVED

mohammad
6/28/2017 7:41:42 AM

Quant Time: Jun 26 07:42:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 26 04:54:47 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	61775	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	273180	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	189069	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	484142	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	591889	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	448938	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.08	96	2243	2.08	ng/uL	0.00
5) Phenol-d5	6.64	99	51510	8.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	31524	9.38	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	38306	9.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	44734	9.17	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	20544	10.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	25099	11.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	48831	10.33	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	37127	7.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	185162	11.16	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	206866	10.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	25063	8.58	ng/ul	0.00
57) Fluorene-d10	15.11	176	160028	11.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	27401	9.22	ng/ul	0.00
70) Anthracene-d10	16.96	188	264341	11.31	ng/ul	0.00
76) Pyrene-d10	19.27	212	330992	12.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	253455	11.68	ng/ul	0.00

Target Compounds				Qvalue		
28) Naphthalene	10.27	128	1052615	77.43	ng/ul	99
34) 2-Methylnaphthalene	11.89	142	205738	18.83	ng/ul	99
40) 1,1'-Biphenyl	12.93	154	56342	3.81	ng/ul#	98
44) Dimethylphthalate	13.58	163	33799	2.08	ng/ul#	95
49) Acenaphthene	14.17	153	192118	15.49	ng/ul	98
53) Dibenzofuran	14.51	168	226819	12.07	ng/ul	89
58) Fluorene	15.17	166	247329	15.73	ng/ul	99
69) Phenanthrene	16.91	178	1139516	44.27	ng/ul	99
71) Anthracene	17.00	178	175081	6.60	ng/ul	99
72) Carbazole	17.27	167	74746	3.23	ng/ul#	94
74) Fluoranthene	18.94	202	714896	21.55	ng/ul	98
77) Pyrene	19.30	202	472623	13.82	ng/ul	97
80) Benzo(a)anthracene	21.06	228	177794	5.16	ng/ul	99
82) Chrysene	21.12	228	136845	4.45	ng/ul	100
85) Benzo(b)fluoranthene	22.58	252	97052	3.33	ng/ul#	91
86) Benzo(k)fluoranthene	22.62	252	34332m	1.24	ng/ul	
88) Benzo(a)pyrene	23.12	252	59109	2.20	ng/ul	98

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

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Manual Integrations
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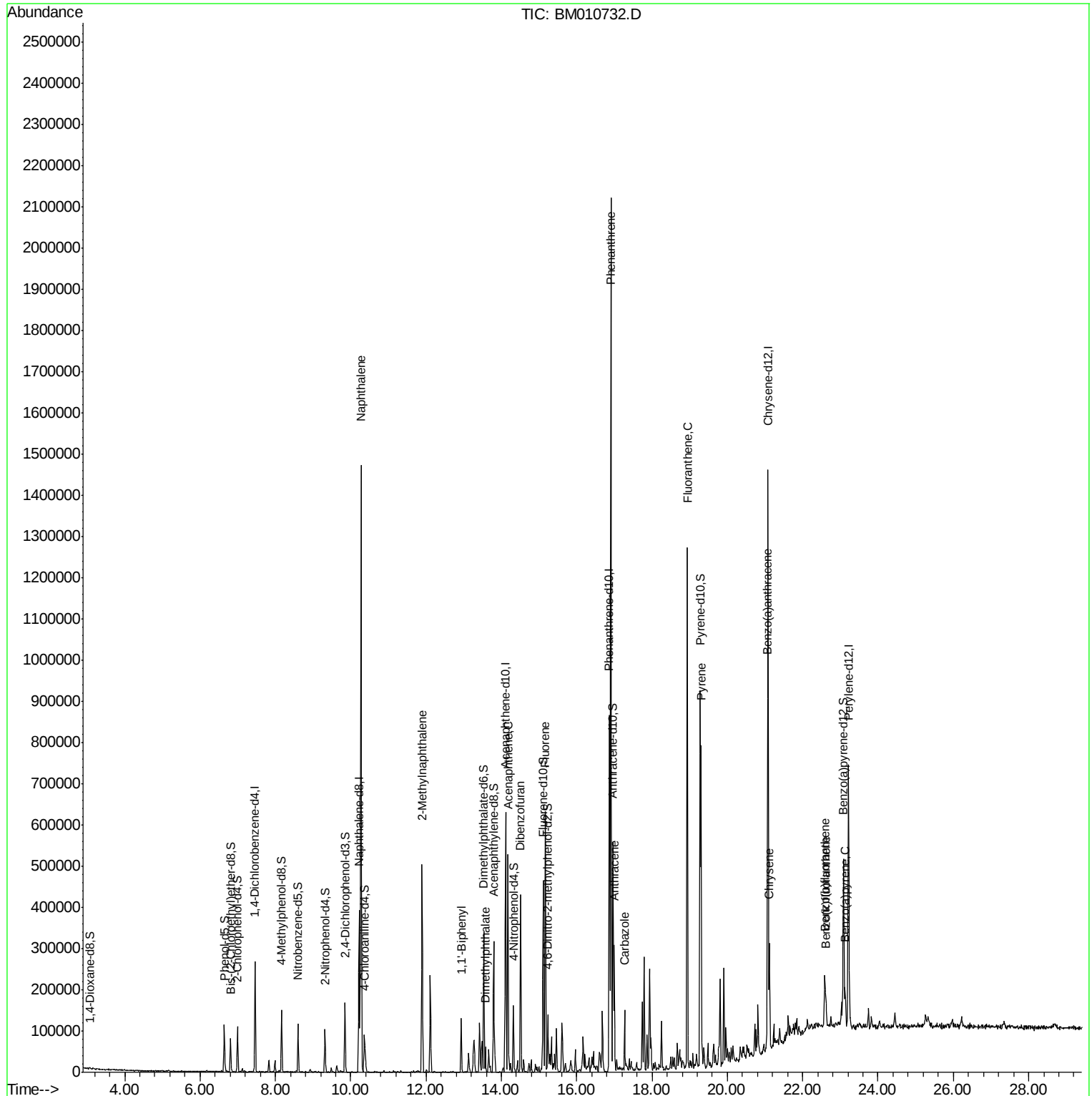
Quant Time: Jun 26 07:42:33 2017

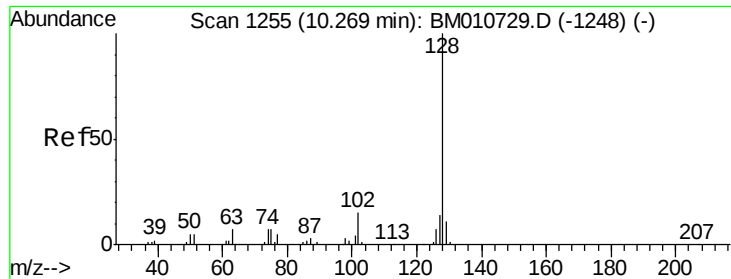
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

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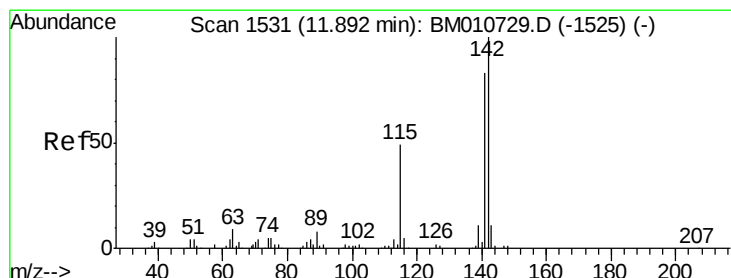
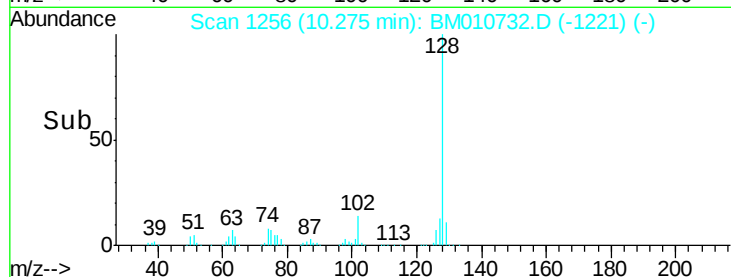
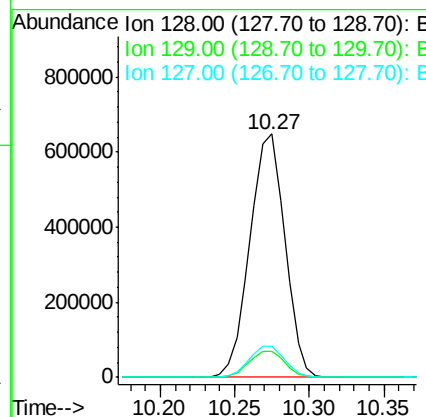
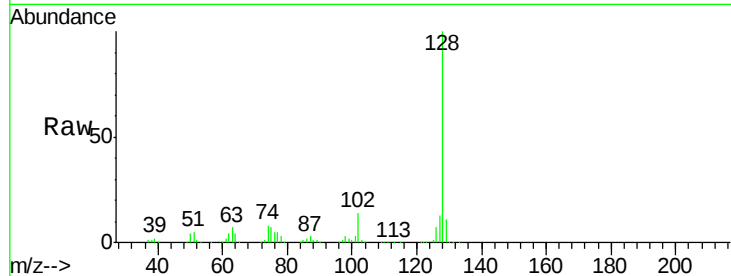
#28
Naphthalene
Concen: 77.43 ng/ul
RT: 10.27 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BM010732.D
Acq: 24 Jun 2017 16:27

Instrument :
BNA_M
ClientSampleId :
F5E24ME

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.7	10.6	16.0

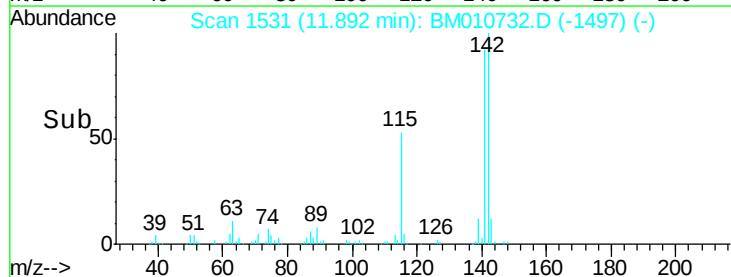
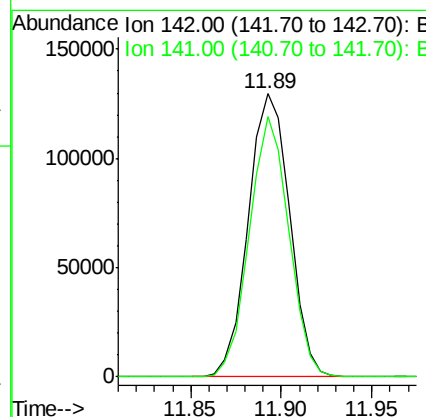
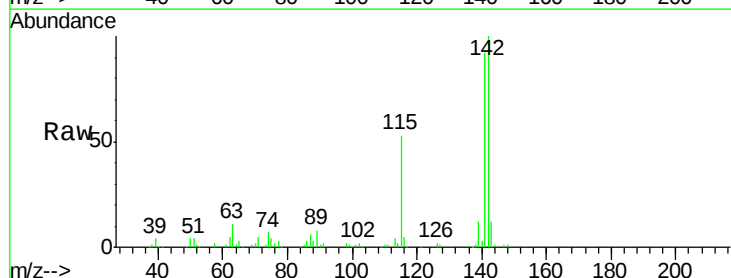
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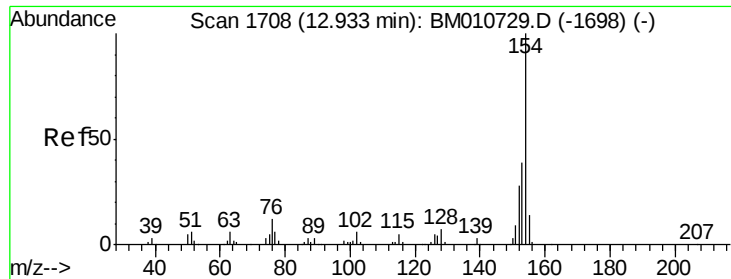
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#34
2-Methylnaphthalene
Concen: 18.83 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BM010732.D
Acq: 24 Jun 2017 16:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.1	111.1





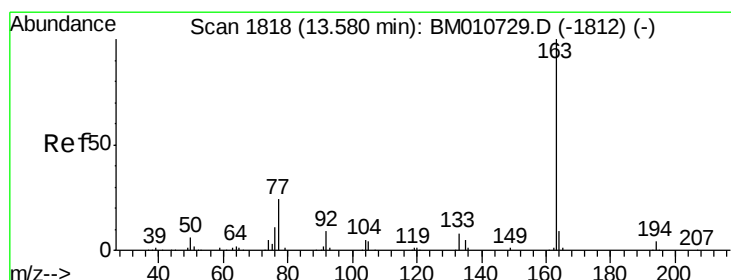
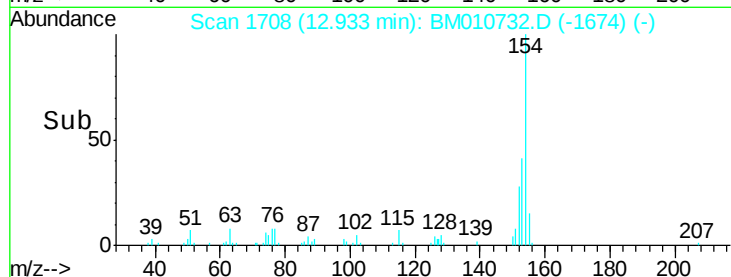
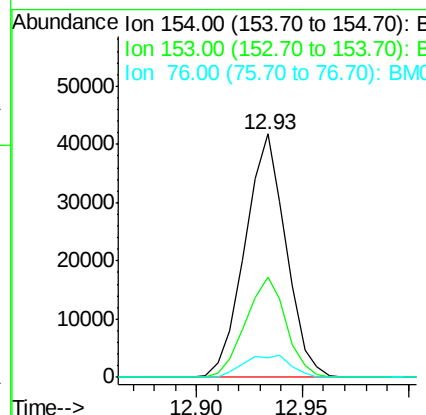
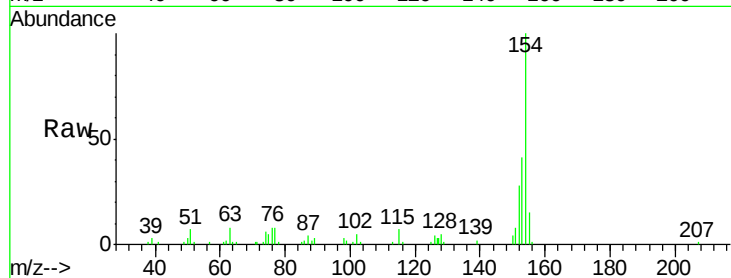
#40
 1,1'-Biphenyl
 Concen: 3.81 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BM010732.D
 Acq: 24 Jun 2017 16:27

Instrument :
 BNA_M
 ClientSampled :
 F5E24ME

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	41.1	32.6	48.8
76	8.2	8.5	12.7#

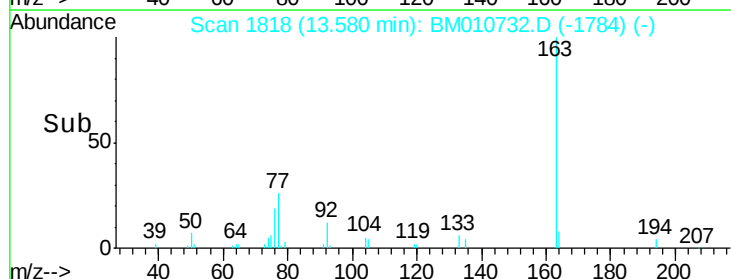
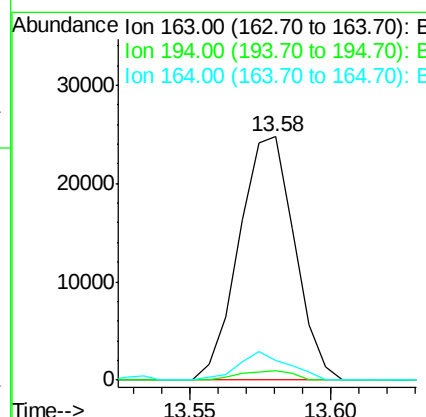
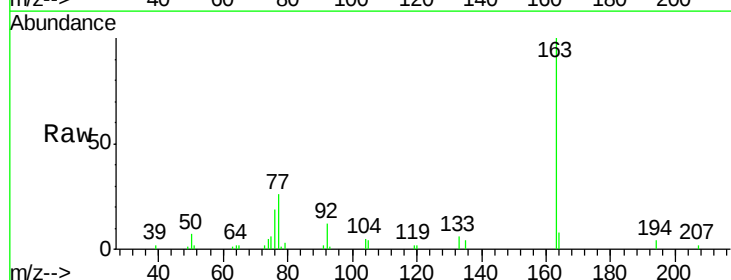
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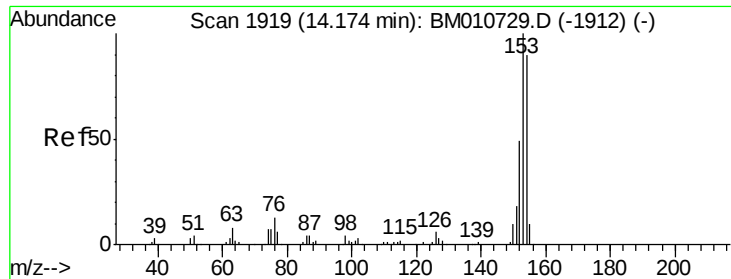
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#44
 Dimethylphthalate
 Concen: 2.08 ng/ul
 RT: 13.58 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BM010732.D
 Acq: 24 Jun 2017 16:27

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.7	3.5	5.3
164	7.9	8.2	12.4#





#49

Acenaphthene

Concen: 15.49 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5E24ME

Tgt Ion:153 Resp: 192118
Ion Ratio Lower Upper

153 100

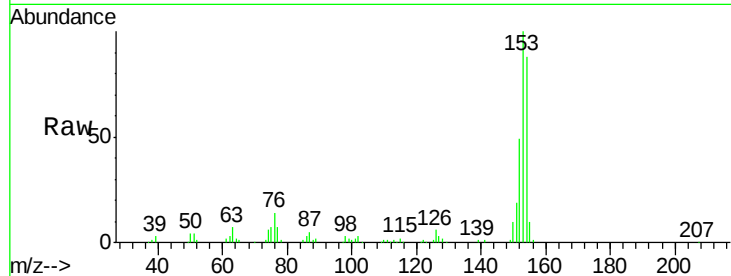
152 49.5 37.6 56.4

154 87.6 70.4 105.6

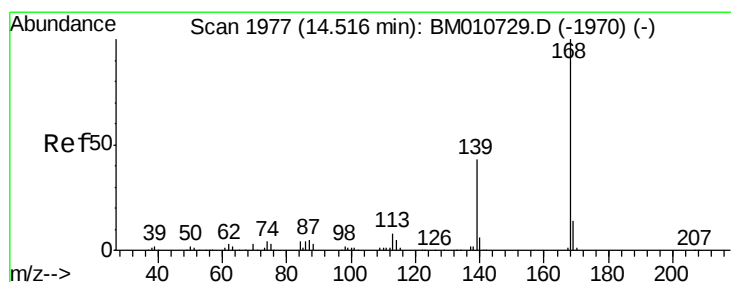
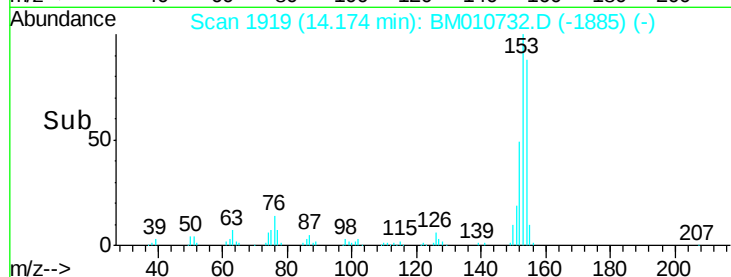
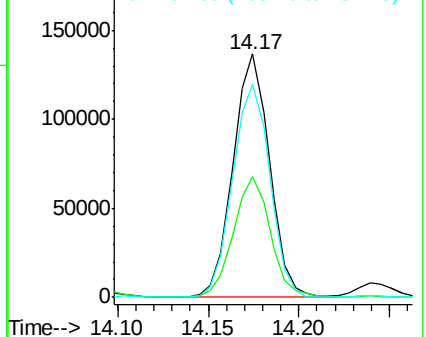
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 12.07 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

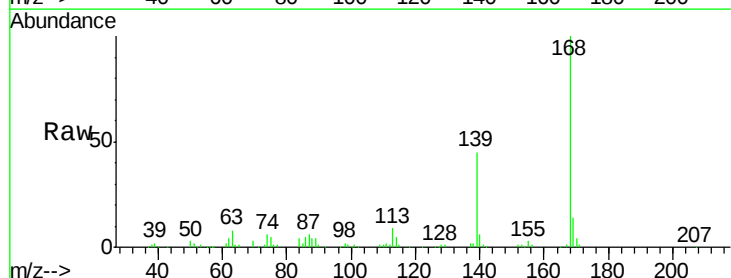
Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

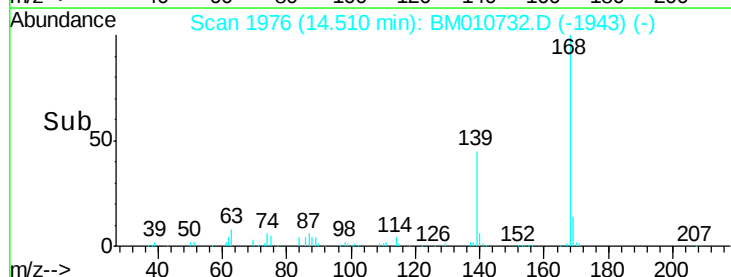
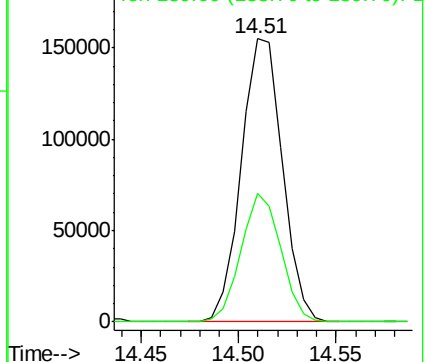
Tgt Ion:168 Resp: 226819
Ion Ratio Lower Upper

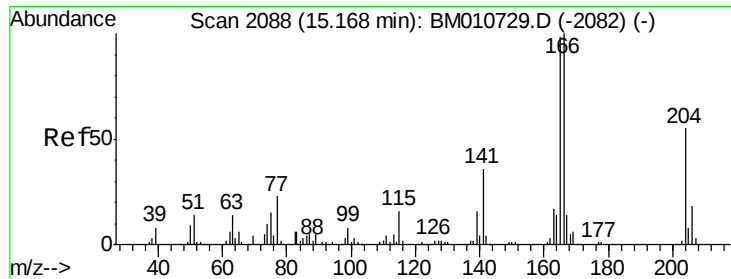
168 100

139 45.2 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: 15.73 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5E24ME

Tgt Ion:166 Resp: 247329
Ion Ratio Lower Upper

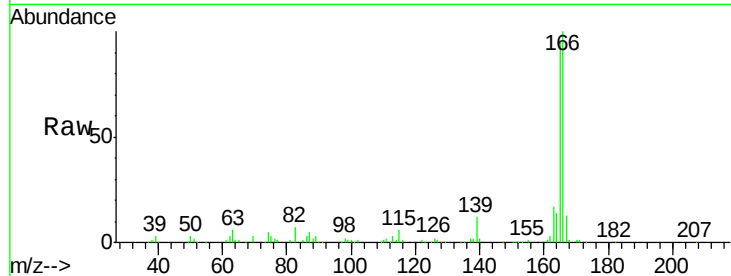
166 100

165 95.8 77.9 116.9

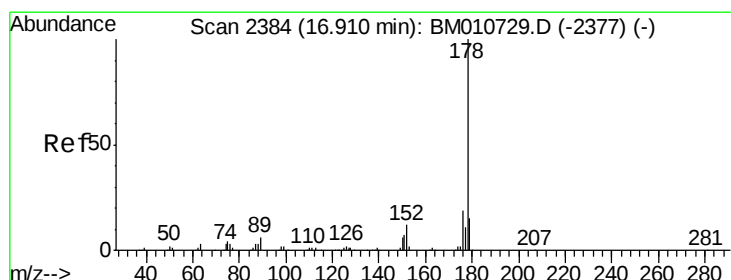
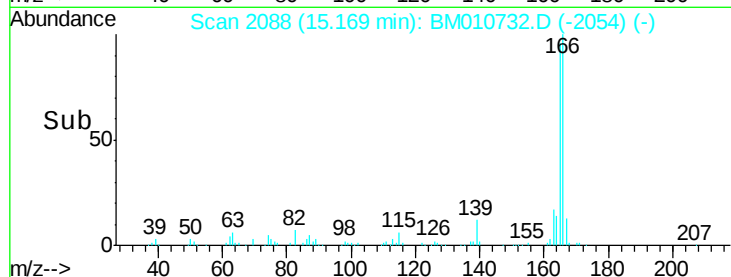
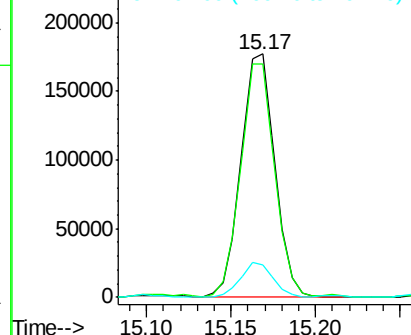
167 13.3 10.6 16.0

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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: 44.27 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM010732.D

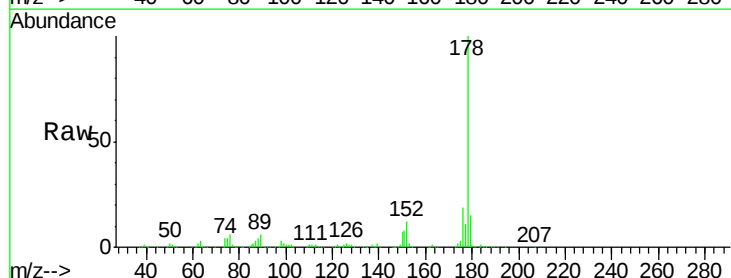
Acq: 24 Jun 2017 16:27

Tgt Ion:178 Resp: 1139516
Ion Ratio Lower Upper

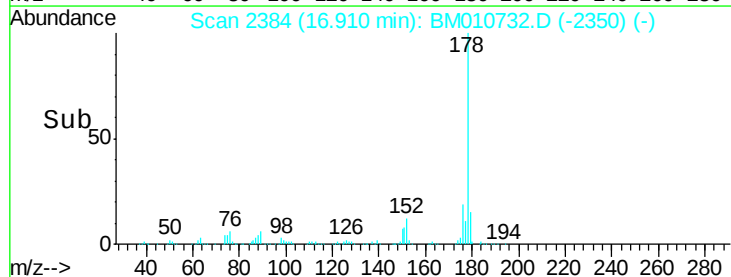
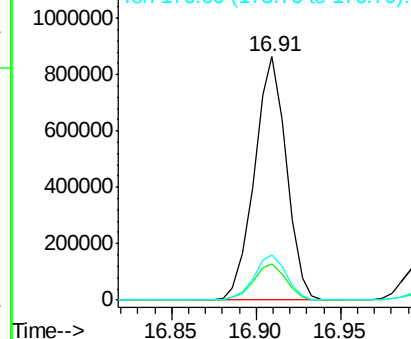
178 100

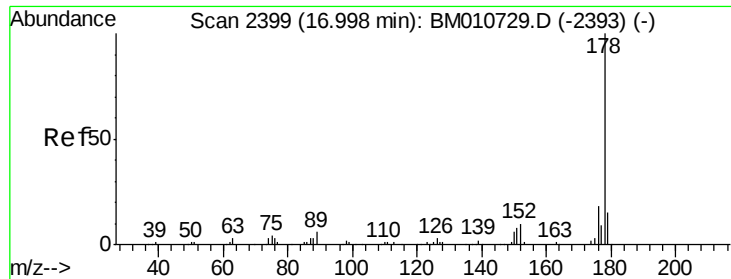
179 15.1 12.6 19.0

176 18.6 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





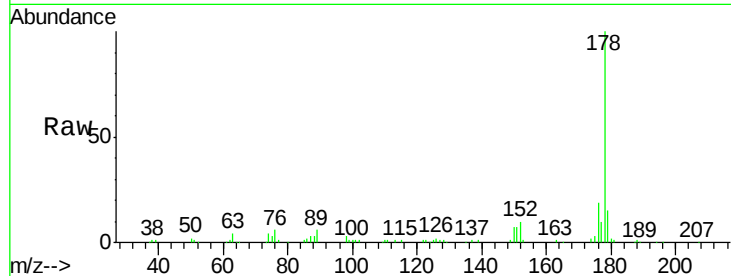
#71
 Anthracene
 Concen: 6.60 ng/ul
 RT: 17.00 min Scan# 2399
 Delta R.T. 0.00 min
 Lab File: BM010732.D
 Acq: 24 Jun 2017 16:27

Instrument :
 BNA_M
 ClientSampleId :
 F5E24ME

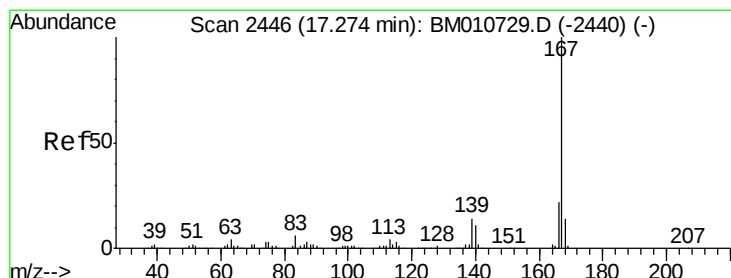
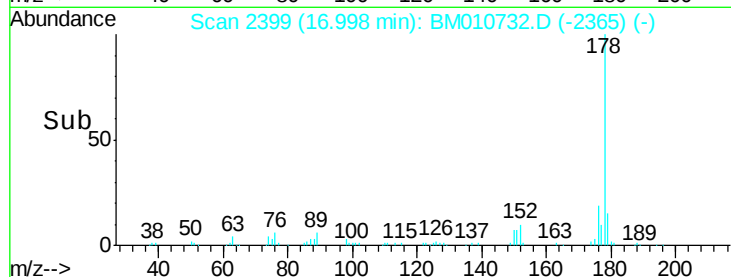
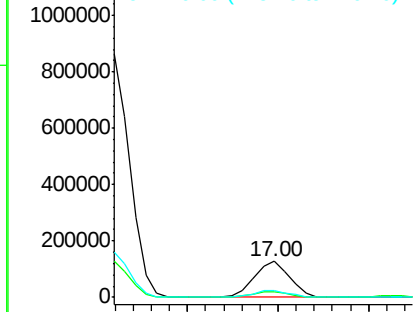
Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.6	11.7	17.5
176	18.8	14.6	21.8

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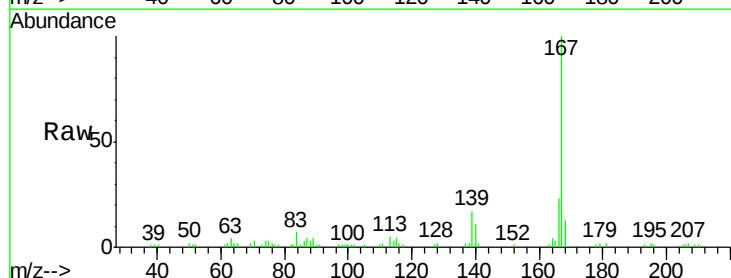


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

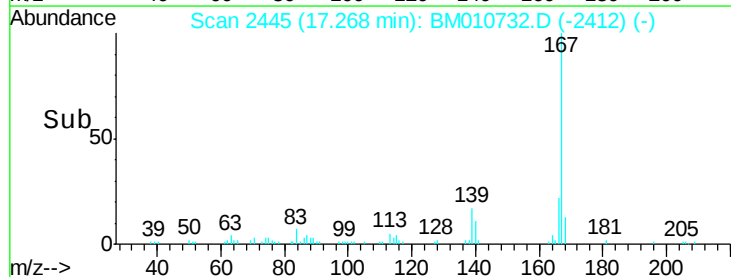
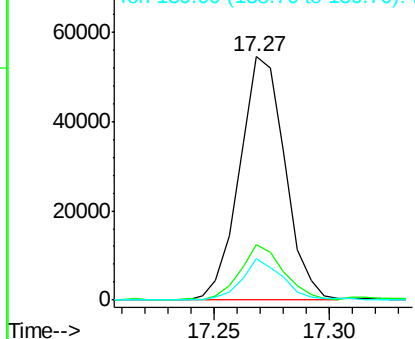


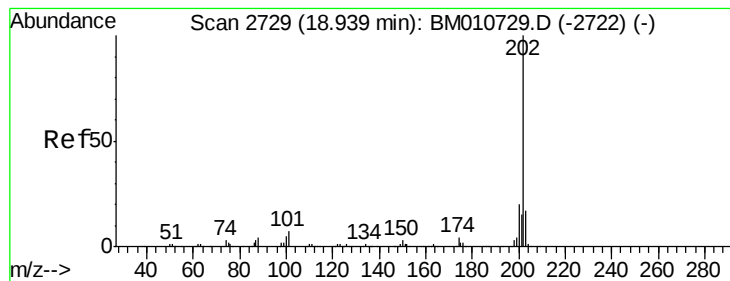
#72
 Carbazole
 Concen: 3.23 ng/ul
 RT: 17.27 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BM010732.D
 Acq: 24 Jun 2017 16:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.1	25.7
139	16.9	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: 21.55 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

Instrument :

BNA_M

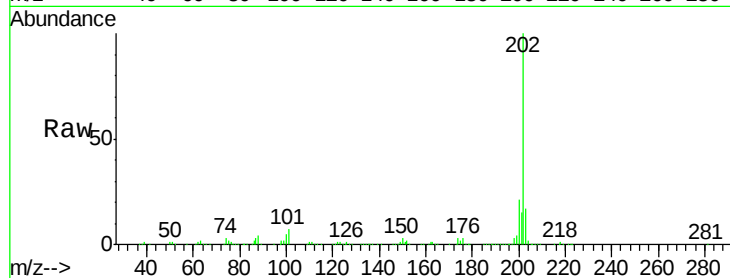
ClientSampleId :

F5E24ME

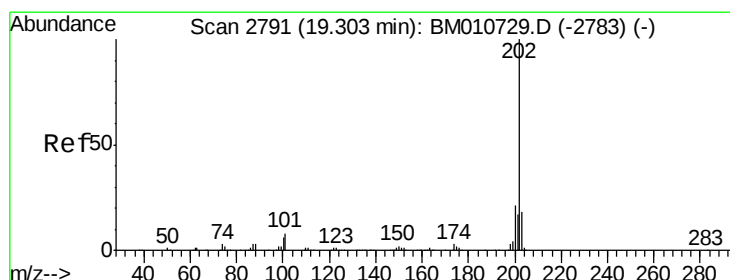
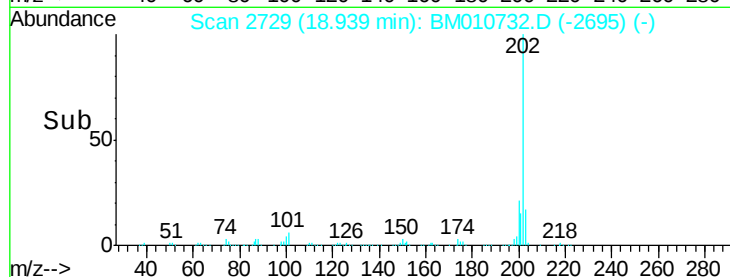
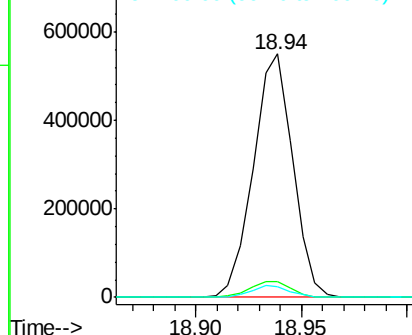
Tgt	Ion	202	Resp:	714896
Ion	Ratio	Lower	Upper	
202	100			
101	6.6	4.6	7.0	
100	4.5	3.4	5.2	

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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



#77

Pyrene

Concen: 13.82 ng/ul

RT: 19.30 min Scan# 2791

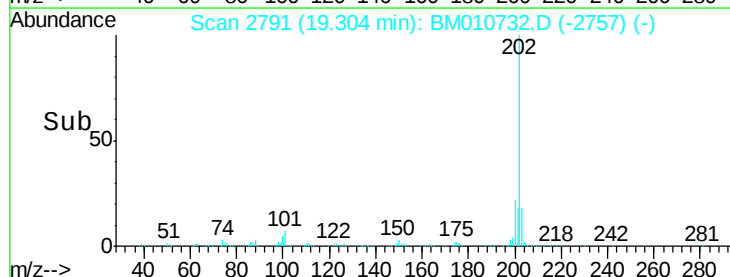
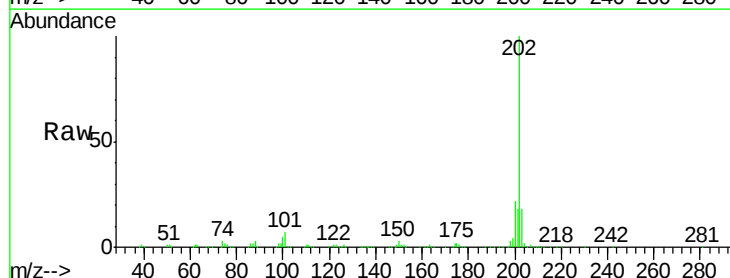
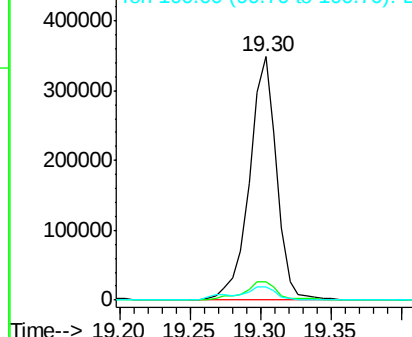
Delta R.T. 0.00 min

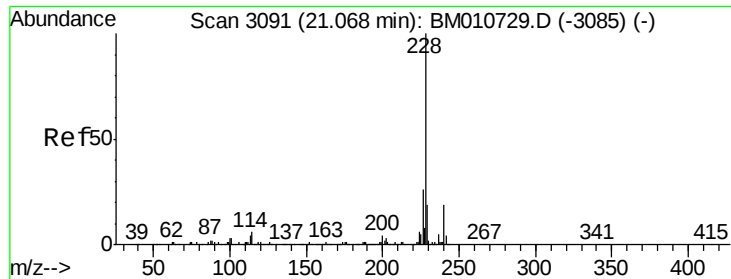
Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

Tgt	Ion	202	Resp:	472623
Ion	Ratio	Lower	Upper	
202	100			
101	7.4	5.1	7.7	
100	5.5	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





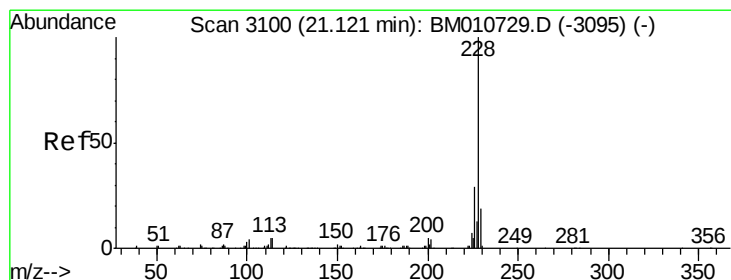
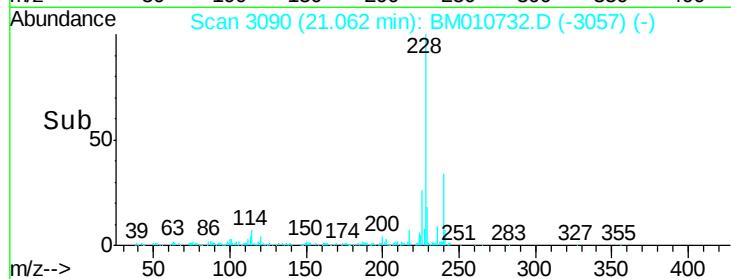
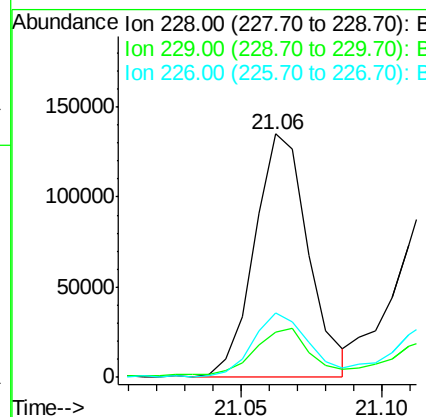
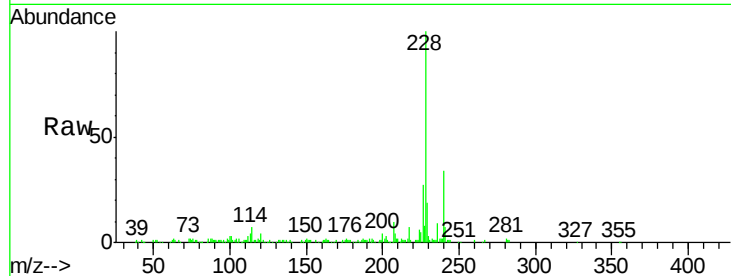
#80
Benzo(a)anthracene
Concen: 5.16 ng/ul
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM010732.D
Acq: 24 Jun 2017 16:27

Instrument :
BNA_M
ClientSampleId :
F5E24ME

Tgt Ion	Ratio	Lower	Upper
228	100		
229	18.7	15.4	23.0
226	26.5	21.4	32.0

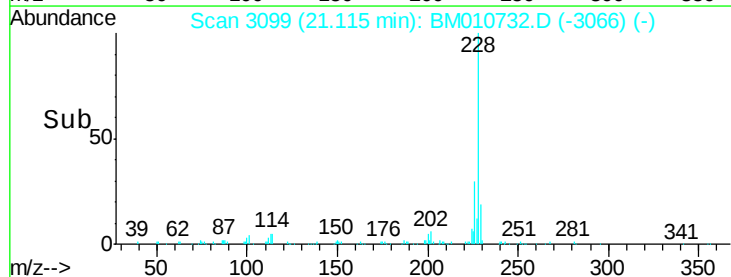
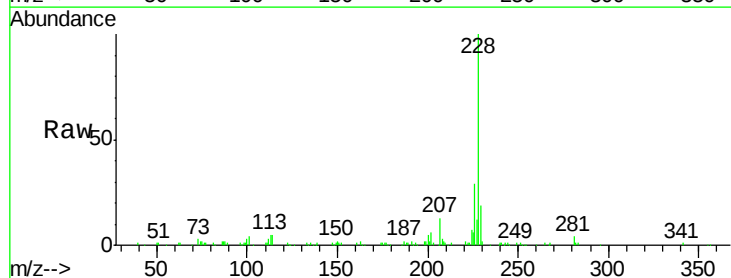
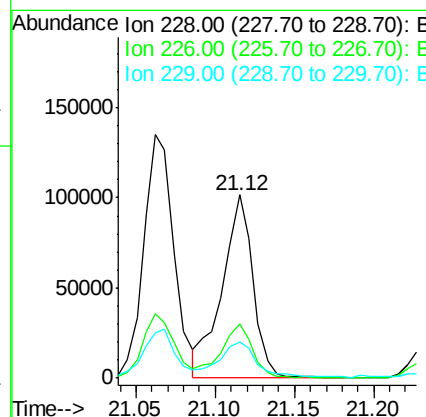
Manual Integrations
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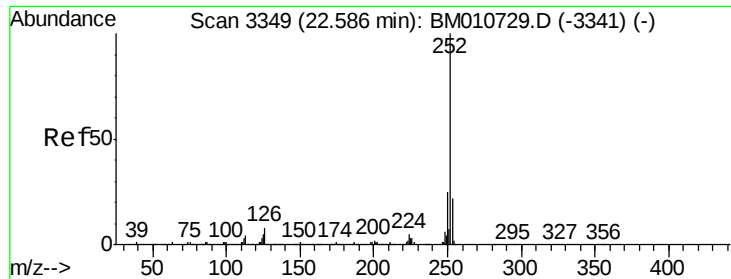
mohammad
6/28/2017 7:41:42 AM



#82
Chrysene
Concen: 4.45 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010732.D
Acq: 24 Jun 2017 16:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	19.5	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 3.33 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

Instrument :

BNA_M

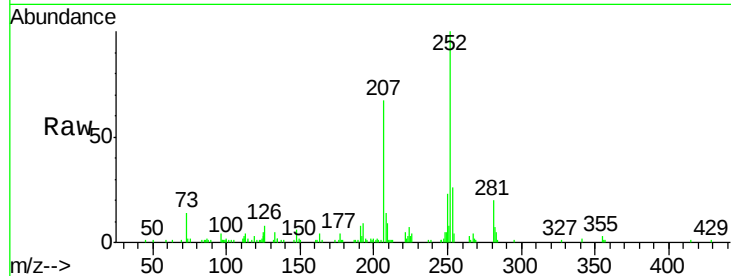
ClientSampleId :

F5E24ME

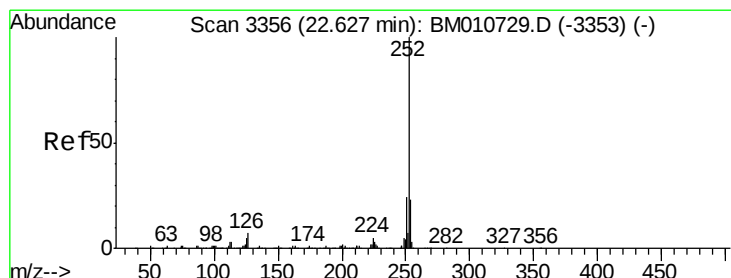
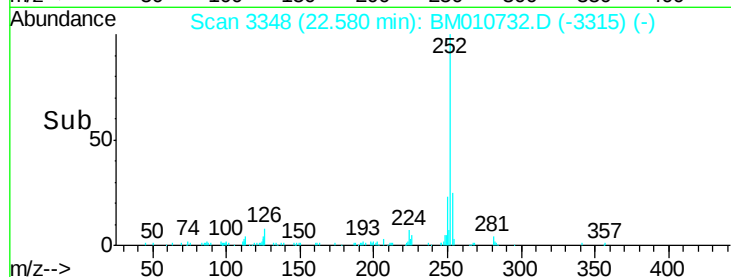
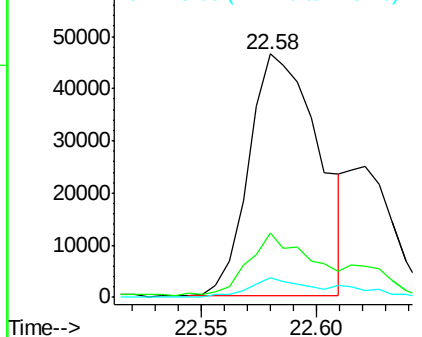
Tgt Ion:	252	Resp:	97052
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.9	26.9
125	8.2	3.6	5.4#

Manual Integrations
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6/28/2017 7:41:42 AM



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: 1.24 ng/ul m

RT: 22.62 min Scan# 3355

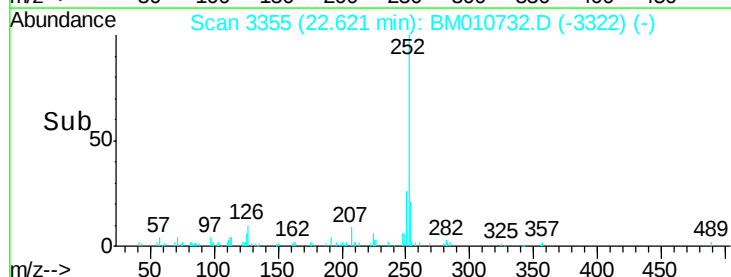
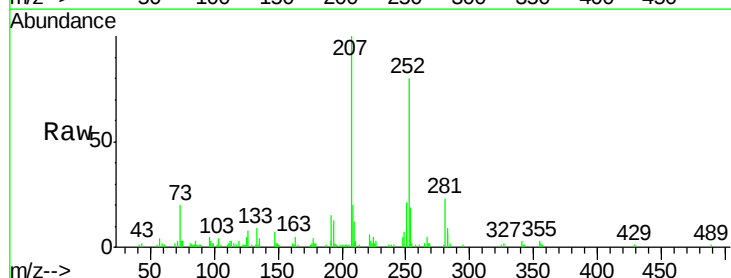
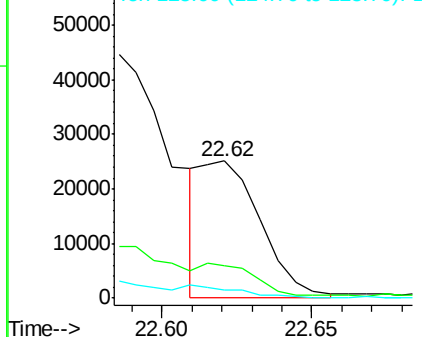
Delta R.T. -0.01 min

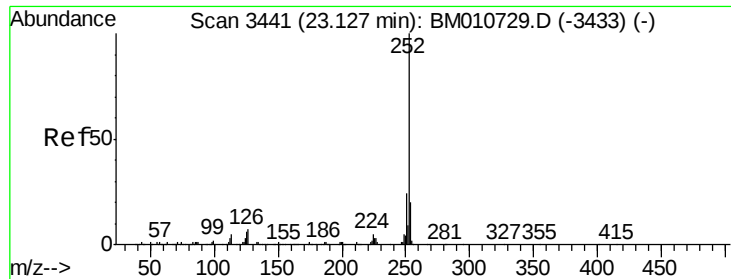
Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

Tgt Ion:	252	Resp:	34332
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	5.6	3.4	5.2#

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





#88

Benzo(a)pyrene

Concen: 2.20 ng/ul

RT: 23.12 min Scan# 3440

Delta R.T. -0.01 min

Lab File: BM010732.D

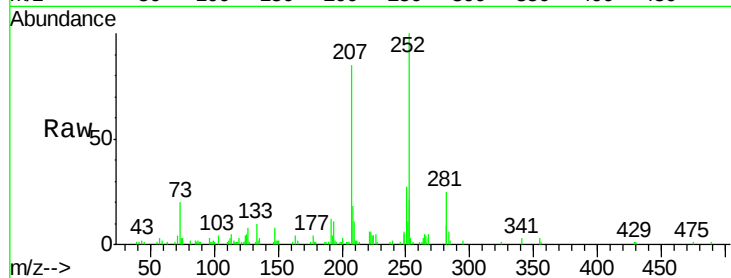
Acq: 24 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5E24ME



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.2
125	5.0	4.0	6.0

Manual Integrations
APPROVED

mohammad
6/28/2017 7:41:42 AM

