

Data File : BM010724.D
Acq On : 24 Jun 2017 11:38
Operator : SJ/JU
Sample : I3653-05ME 10X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5B22ME

Manual Integrations
APPROVED

mohammad
6/28/2017 7:48:59 AM

Quant Time: Jun 26 04:04:19 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	72860	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	327918	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	226633	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	563819	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	647300	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	484577	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.65	99	10916	1.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	6442	1.63	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	8300	1.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	9113	1.58	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	5126	2.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	4748	1.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	10293	1.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	22293	3.73	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	39317	1.98	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	44155	1.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	5736	1.64	ng/ul	0.00
57) Fluorene-d10	15.11	176	37786	2.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	4456	1.29	ng/ul	0.01
70) Anthracene-d10	16.97	188	61503	2.26	ng/ul	0.00
76) Pyrene-d10	19.27	212	72565	2.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	49978	2.13	ng/ul	0.00

Target Compounds

						Qvalue
16) 4-Methylphenol	8.23	108	6104	1.02	ng/ul	96
24) 2,4-Dimethylphenol	9.42	107	12734	1.75	ng/ul#	90
28) Naphthalene	10.29	128	10195921	624.80	ng/ul	100
34) 2-Methylnaphthalene	11.90	142	1895853	144.52	ng/ul	96
40) 1,1'-Biphenyl	12.93	154	445958	25.17	ng/ul	99
47) Acenaphthylene	13.83	152	121058	5.49	ng/ul#	94
49) Acenaphthene	14.18	153	1396073	93.90	ng/ul	99
53) Dibenzofuran	14.52	168	1592864	70.74	ng/ul	91
58) Fluorene	15.17	166	1677877	89.00	ng/ul	99
69) Phenanthrene	16.92	178	8058022	268.83	ng/ul	98
71) Anthracene	17.00	178	1166293	37.77	ng/ul	98
72) Carbazole	17.27	167	543457	20.17	ng/ul	98
74) Fluoranthene	18.95	202	4944326	127.99	ng/ul#	97
77) Pyrene	19.31	202	3174707	84.91	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	952611	25.27	ng/ul	99
82) Chrysene	21.12	228	716248	21.31	ng/ul	98
85) Benzo(b)fluoranthene	22.59	252	454340	14.44	ng/ul#	97
86) Benzo(k)fluoranthene	22.62	252	144733m	4.85	ng/ul	
88) Benzo(a)pyrene	23.13	252	249775	8.63	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	73677	2.45	ng/ul#	95
91) Benzo(g,h,i)perylene	25.97	276	41294	1.73	ng/ul#	96

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

Data File : BM010724.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

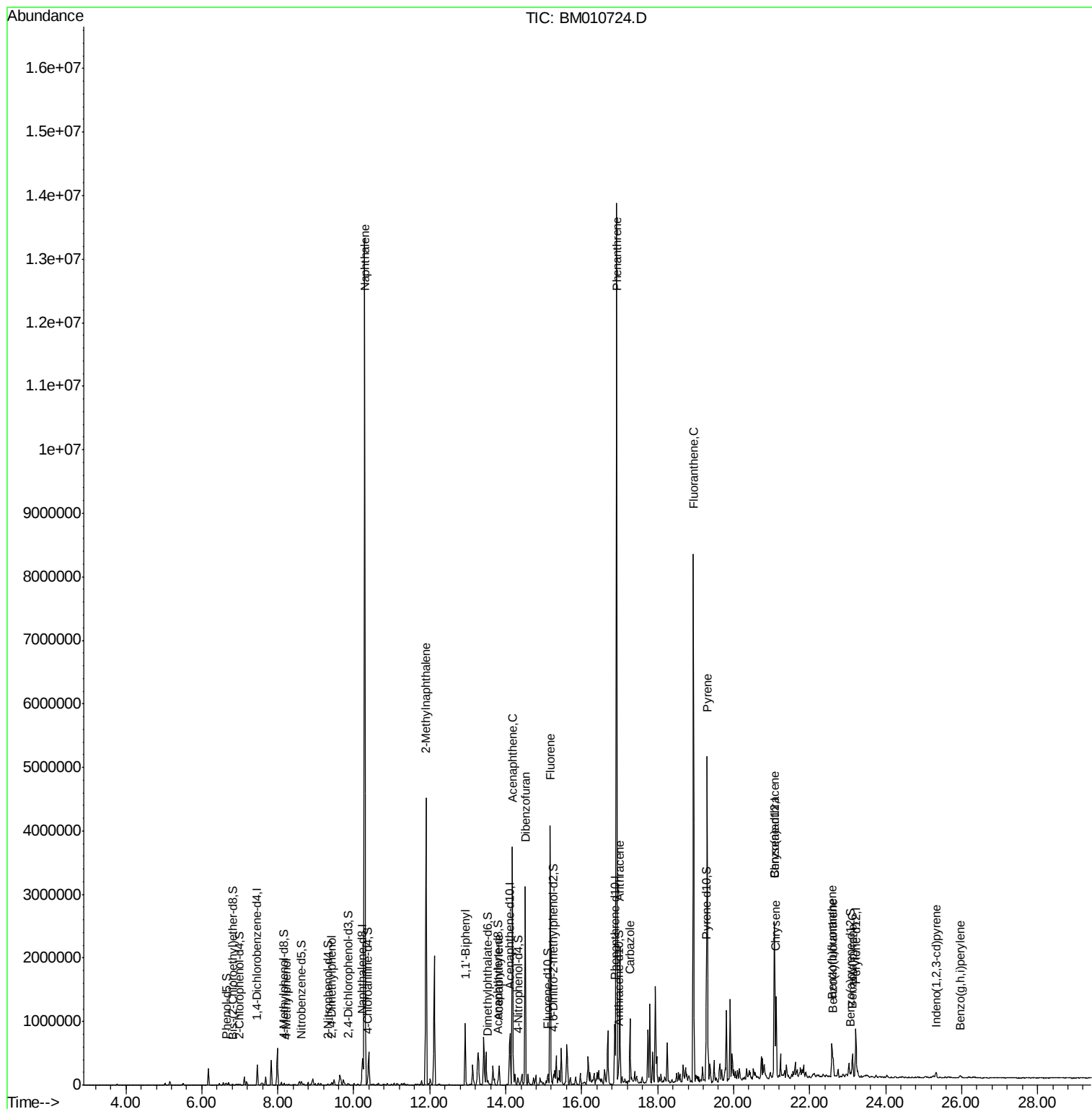
Data File : BM010724.D
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Operator : SJ/JU
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ALS Vial : 40 Sample Multiplier: 1

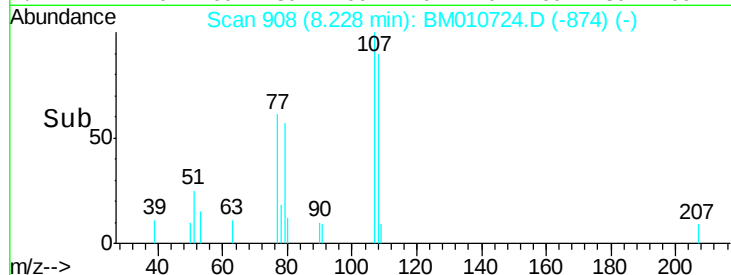
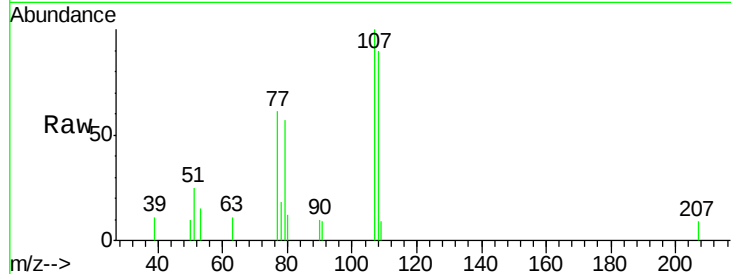
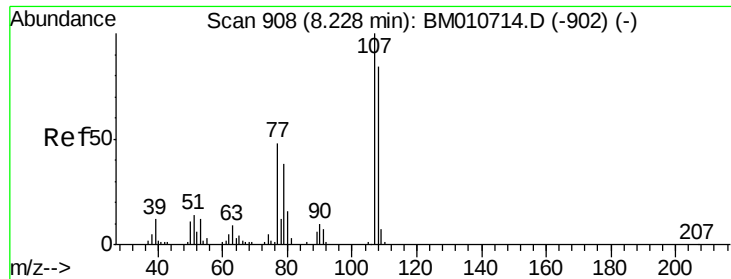
Instrument :
BNA_M
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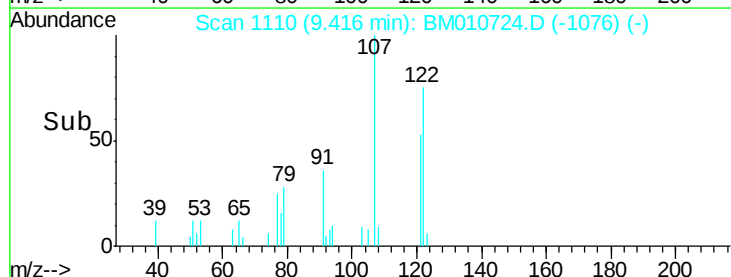
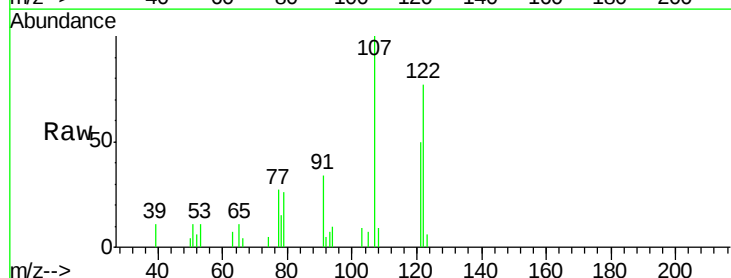
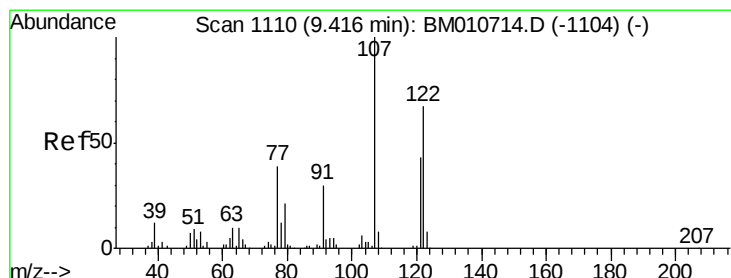
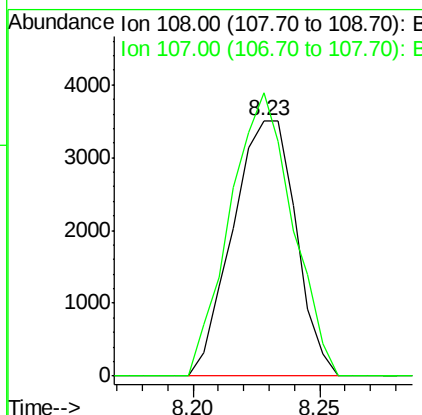
#16
4-Methylphenol
Concen: 1.02 ng/ul
RT: 8.23 min Scan# 908
Delta R.T. 0.00 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	6104		
107	110.6	84.9	127.3	

Instrument :
BNA_M
ClientSampleId :
F5B22ME

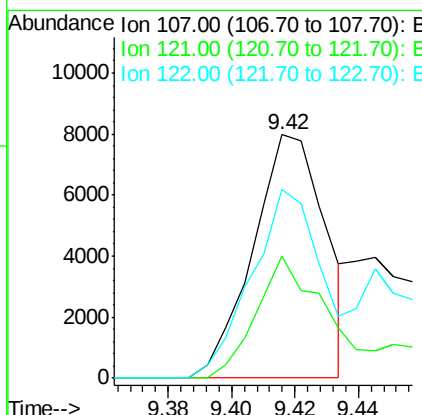
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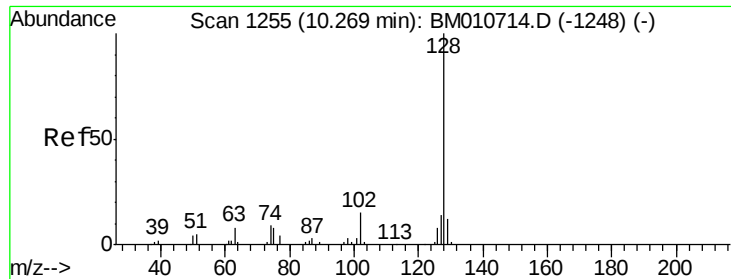
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#24
2,4-Dimethylphenol
Concen: 1.75 ng/ul
RT: 9.42 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	12734		
121	50.1	31.9	47.9#	
122	77.3	57.8	86.6	





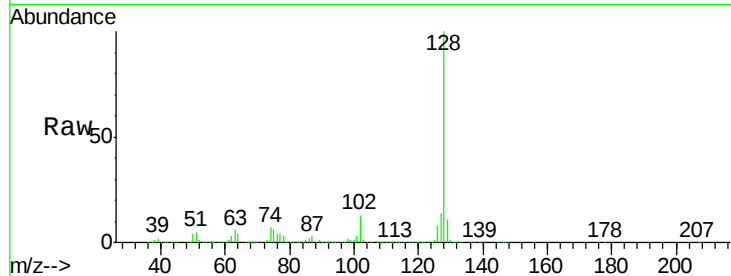
#28
Naphthalene
Concen: 624.80 ng/ul
RT: 10.29 min Scan# 1259
Delta R.T. 0.02 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Instrument :
BNA_M
ClientSampleId :
F5B22ME

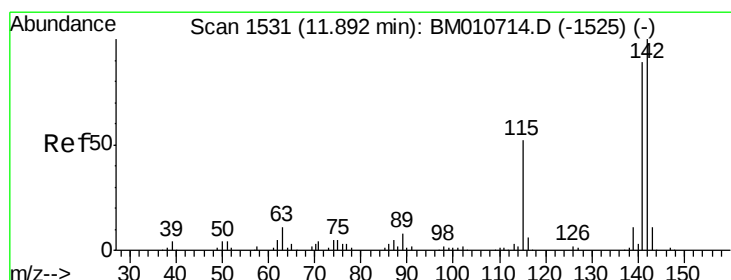
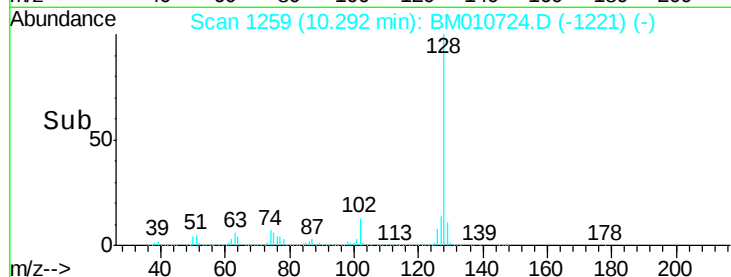
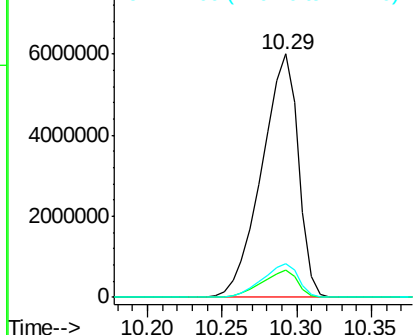
Tgt Ion:128 Resp:10195921
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.6 10.6 16.0

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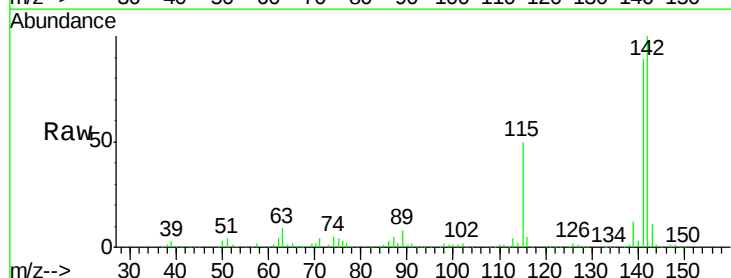


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

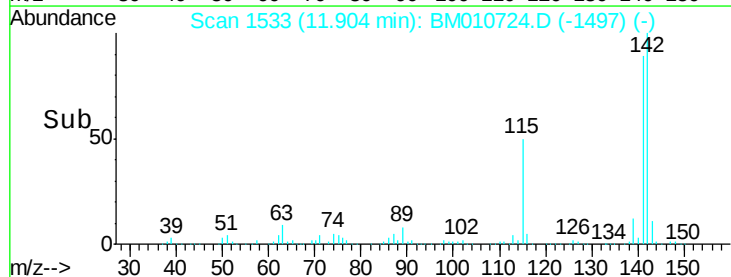
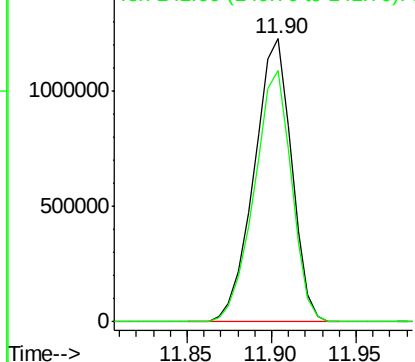


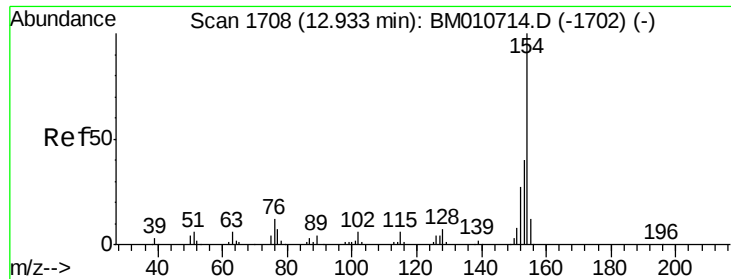
#34
2-Methylnaphthalene
Concen: 144.52 ng/ul
RT: 11.90 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Tgt Ion:142 Resp: 1895853
Ion Ratio Lower Upper
142 100
141 88.6 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





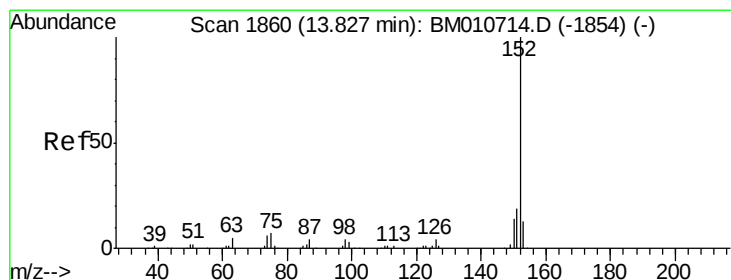
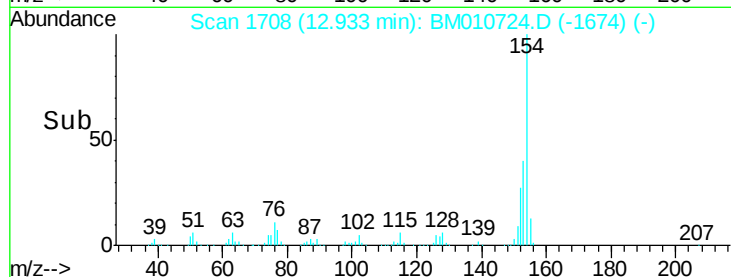
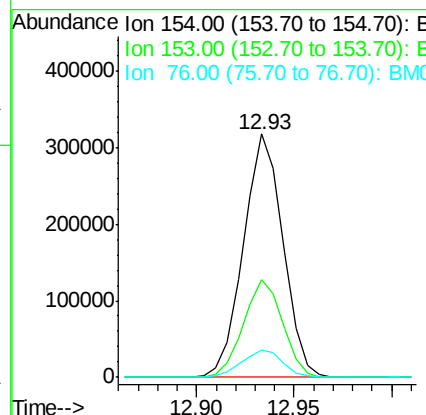
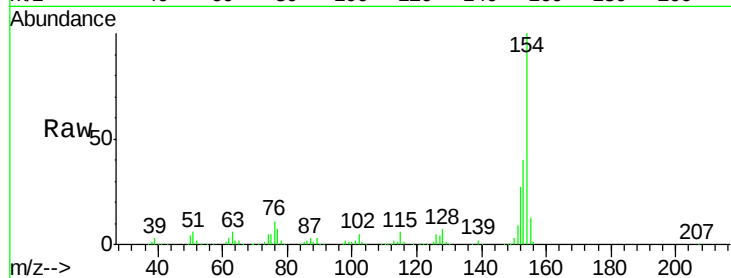
#40
1,1'-Biphenyl
Concen: 25.17 ng/ul
RT: 12.93 min Scan# 1708
Delta R.T. 0.00 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
154	100	445958		
153	40.1	32.6	48.8	
76	11.4	8.5	12.7	

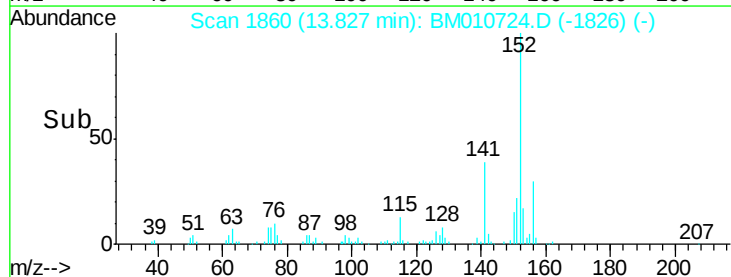
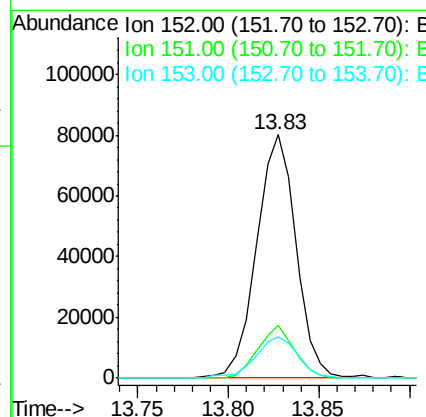
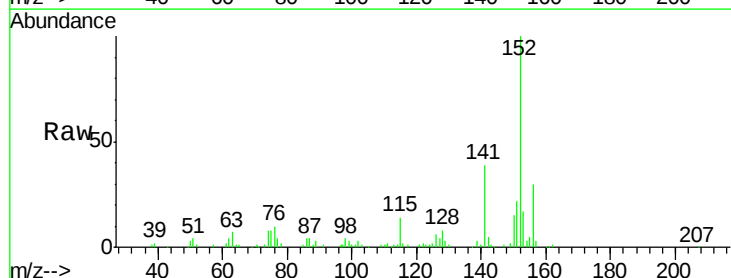
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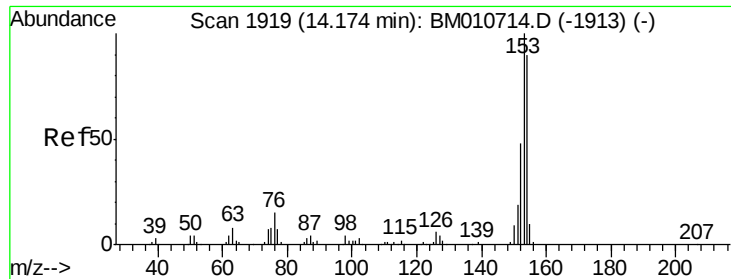
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#47
Acenaphthylene
Concen: 5.49 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	121058		
151	21.6	16.3	24.5	
153	16.9	10.2	15.4	





#49

Acenaphthene

Concen: 93.90 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. 0.01 min

Lab File: BM010724.D

Acq: 24 Jun 2017 11:38

Instrument :

BNA_M

ClientSampleId :

F5B22ME

Tgt Ion:153 Resp: 1396073

Ion Ratio Lower Upper

153 100

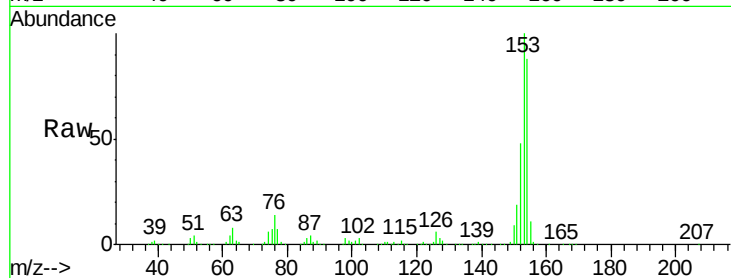
152 47.8 37.6 56.4

154 87.5 70.4 105.6

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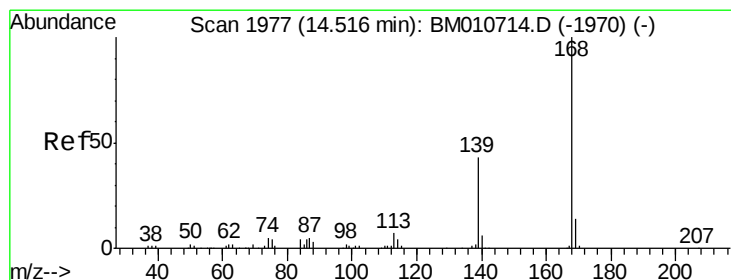
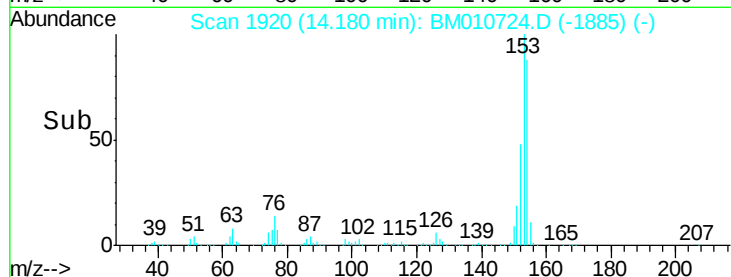
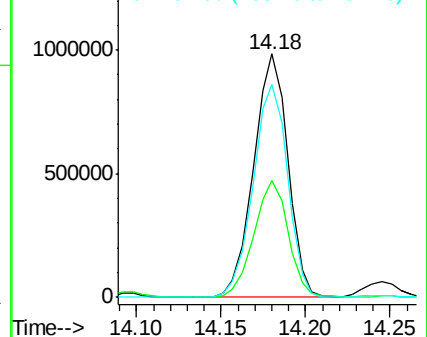
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 70.74 ng/ul

RT: 14.52 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM010724.D

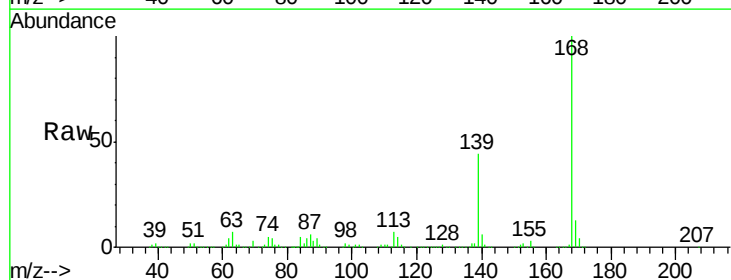
Acq: 24 Jun 2017 11:38

Tgt Ion:168 Resp: 1592864

Ion Ratio Lower Upper

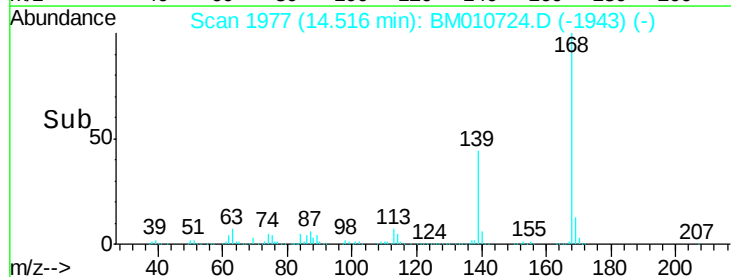
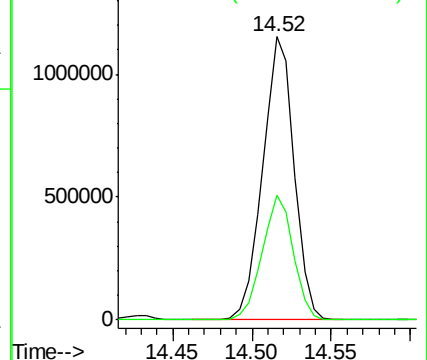
168 100

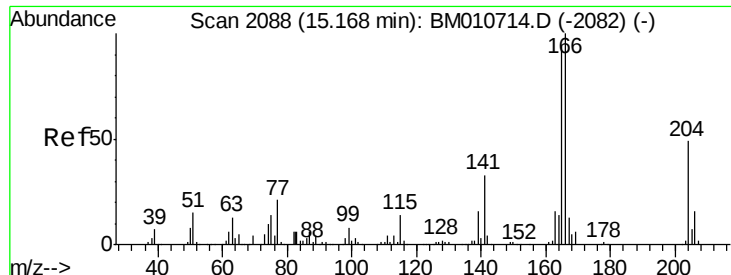
139 44.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





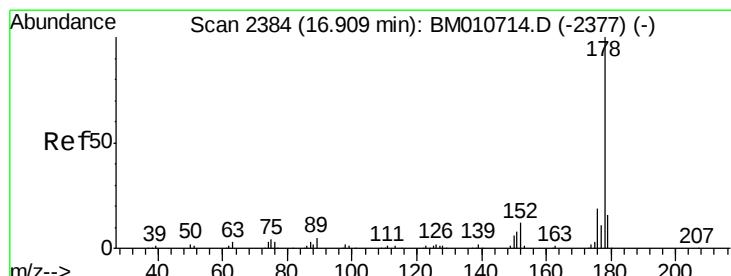
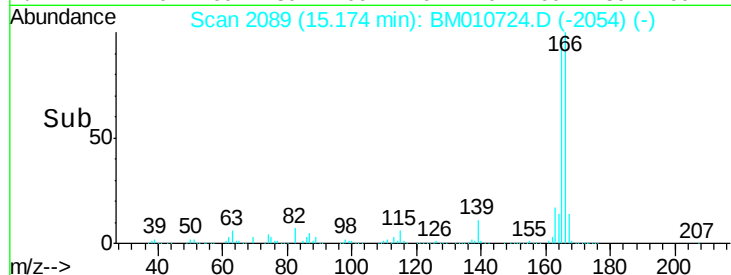
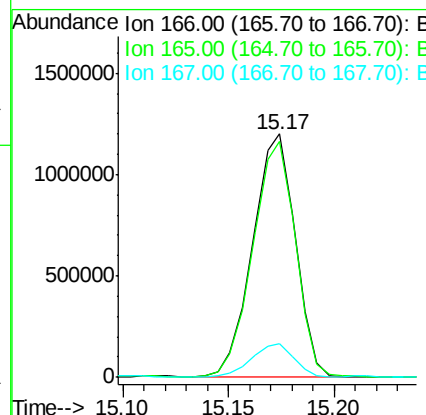
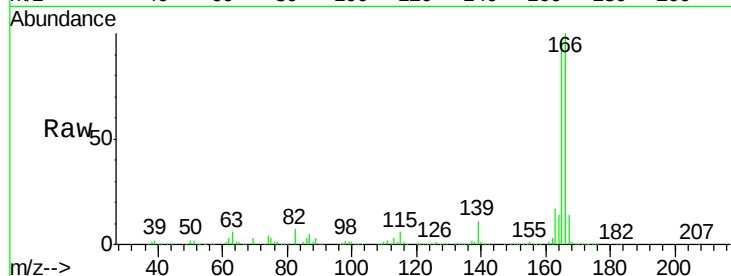
#58
 Fluorene
 Concen: 89.00 ng/ul
 RT: 15.17 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: BM010724.D
 Acq: 24 Jun 2017 11:38

Instrument :
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Tgt Ion:166 Resp: 1677877
 Ion Ratio Lower Upper
 166 100
 165 96.8 77.9 116.9
 167 13.8 10.6 16.0

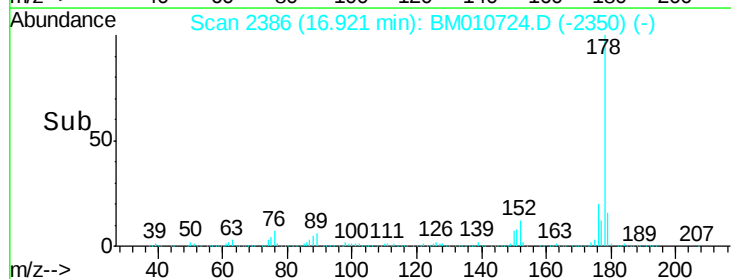
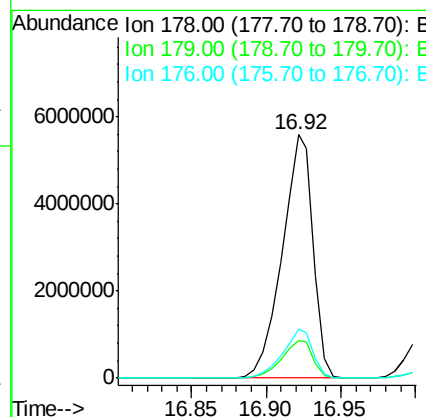
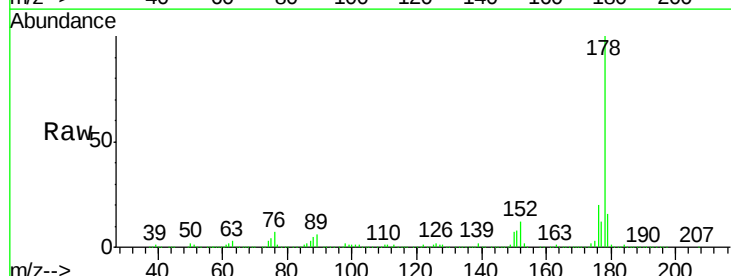
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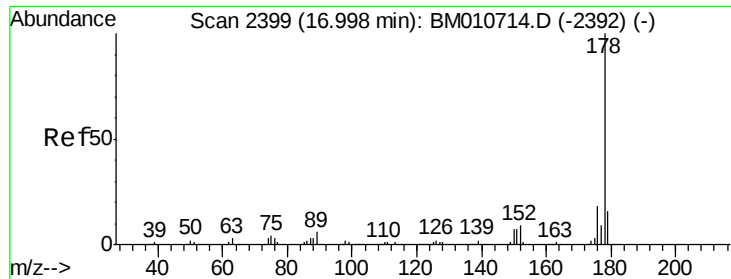
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#69
 Phenanthrene
 Concen: 268.83 ng/ul
 RT: 16.92 min Scan# 2386
 Delta R.T. 0.01 min
 Lab File: BM010724.D
 Acq: 24 Jun 2017 11:38

Tgt Ion:178 Resp: 8058022
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.6 19.0
 176 20.0 14.9 22.3





#71

Anthracene

Concen: 37.77 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. 0.01 min

Lab File: BM010724.D

Acq: 24 Jun 2017 11:38

Instrument :

BNA_M

ClientSampleId :

F5B22ME

Tgt Ion:178 Resp: 1166293

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

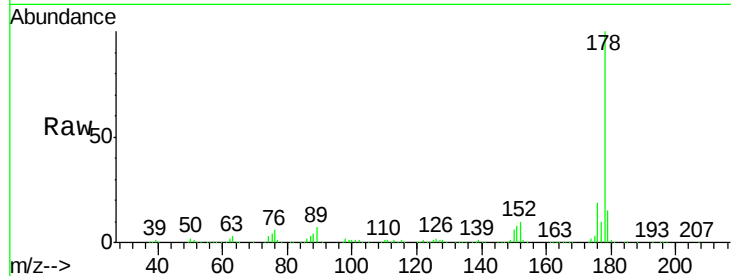
176 19.1 14.6 21.8

Manual Integrations

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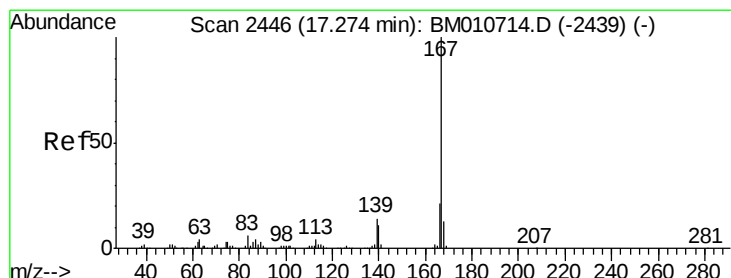
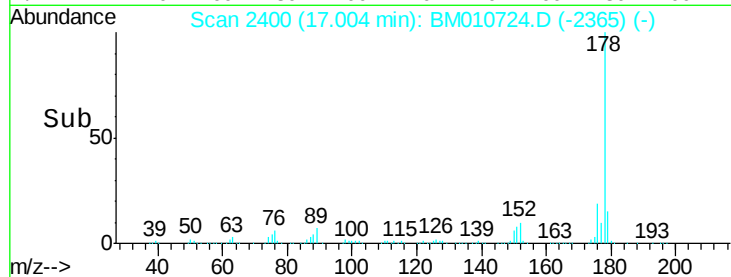
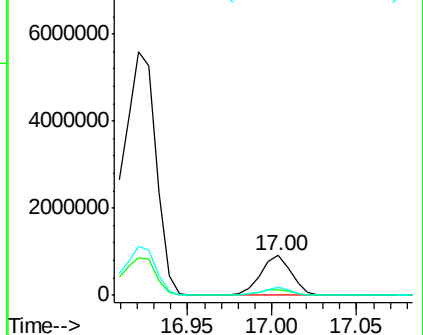
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 20.17 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM010724.D

Acq: 24 Jun 2017 11:38

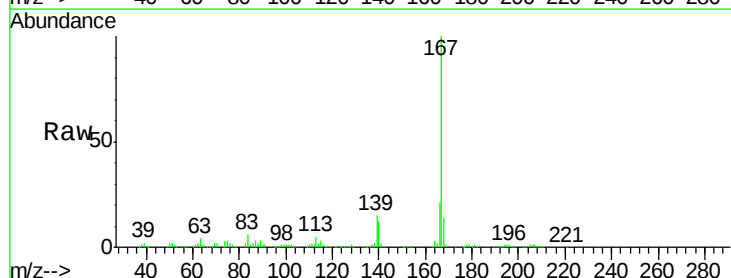
Tgt Ion:167 Resp: 543457

Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

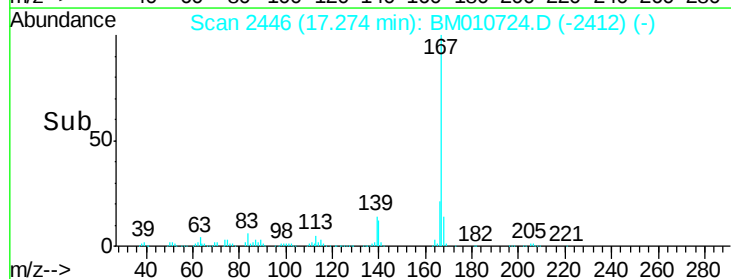
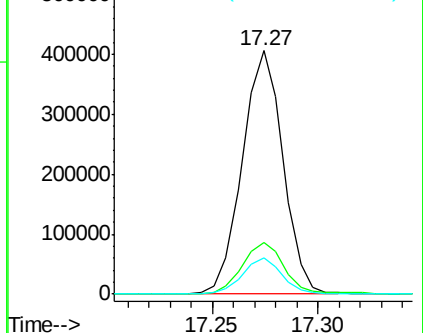
139 14.7 10.0 15.0

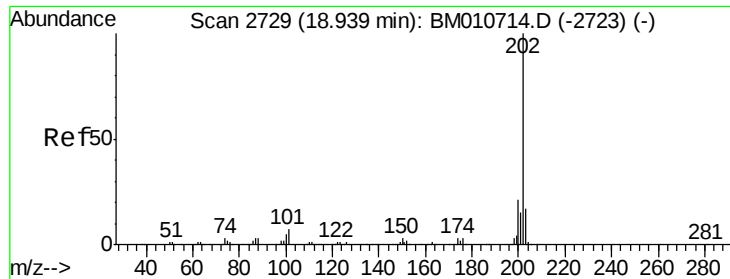


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





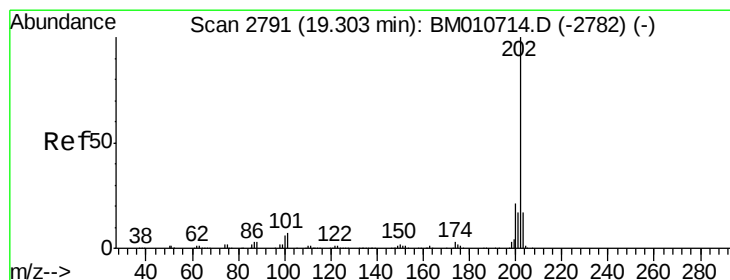
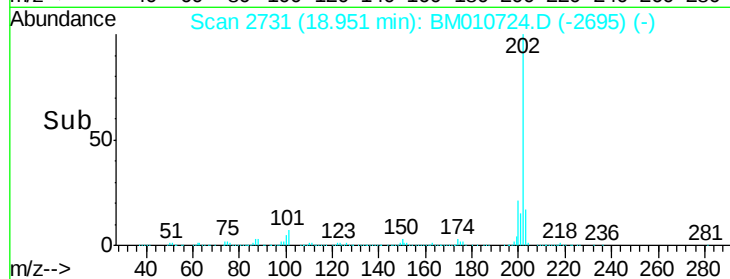
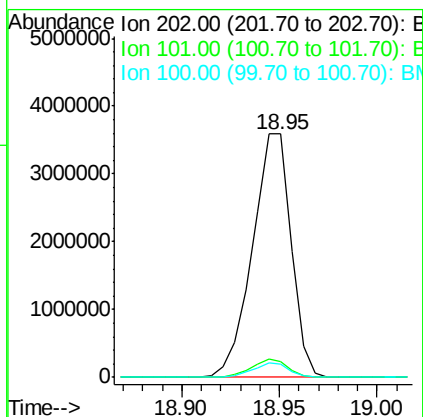
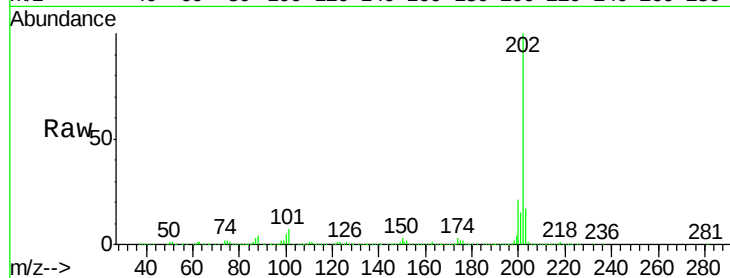
#74
Fluoranthene
Concen: 127.99 ng/ul
RT: 18.95 min Scan# 2731
Delta R.T. 0.01 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Instrument :
BNA_M
ClientSampleId :
F5B22ME

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.7	4.6	7.0
100	5.2	3.4	5.2#

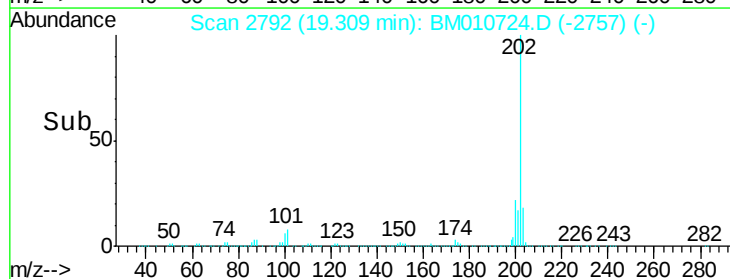
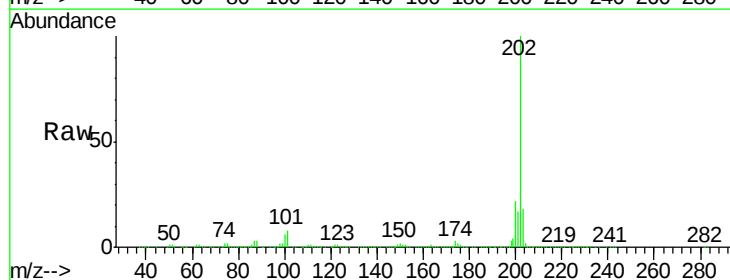
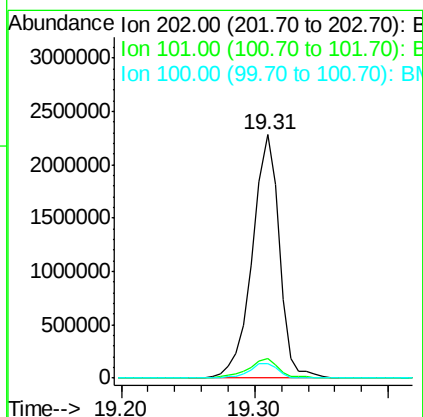
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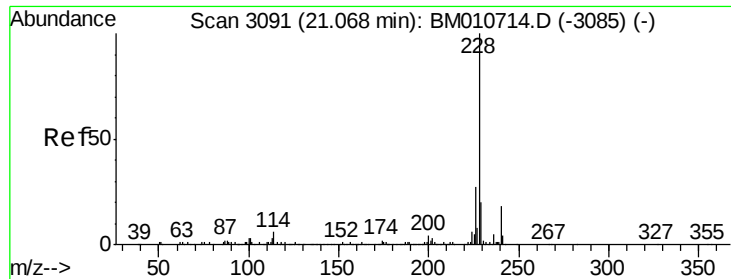
mohammad
6/28/2017 7:48:59 AM



#77
Pyrene
Concen: 84.91 ng/ul
RT: 19.31 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	5.1	7.7#
100	6.2	4.9	7.3





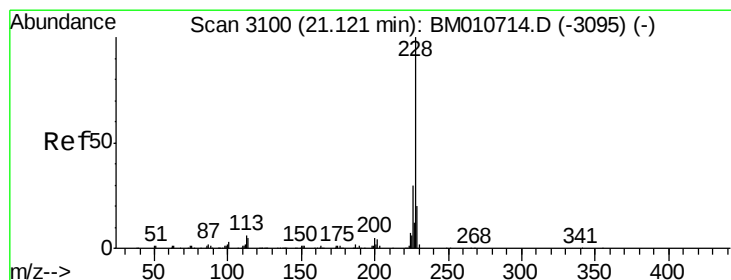
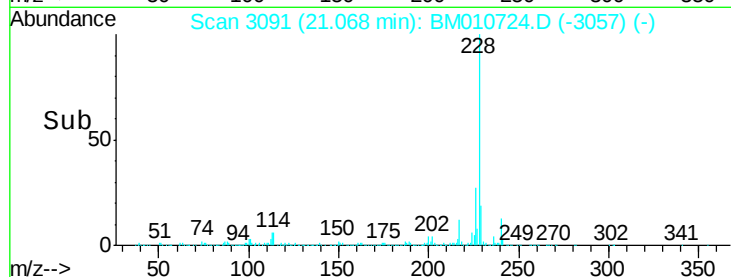
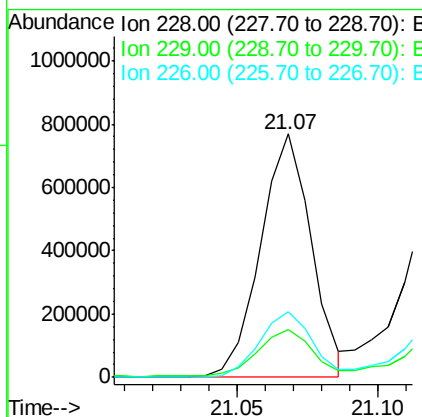
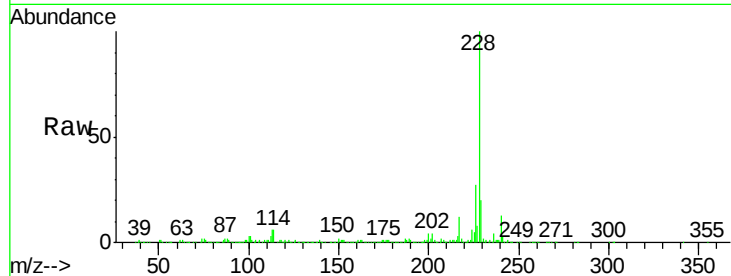
#80
Benzo(a)anthracene
Concen: 25.27 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Instrument :
BNA_M
ClientSampleId :
F5B22ME

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	952611		
229	19.8	15.4	23.0	
226	27.0	21.4	32.0	

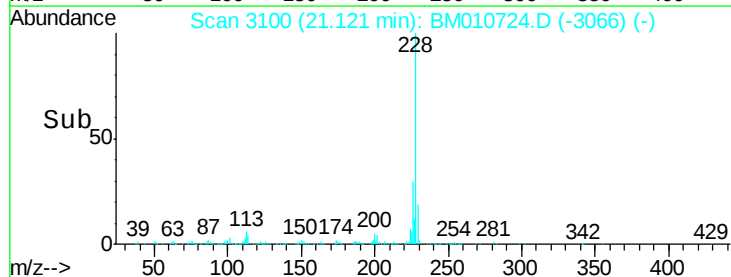
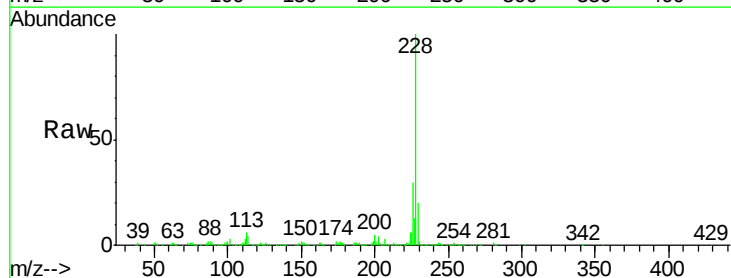
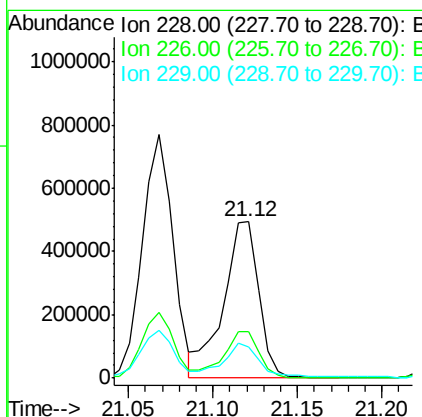
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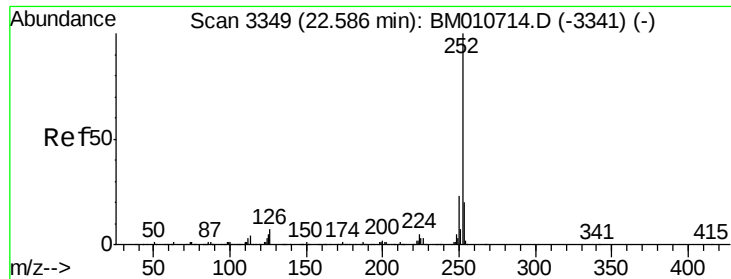
mohammad
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#82
Chrysene
Concen: 21.31 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	716248		
226	30.2	23.4	35.2	
229	20.1	15.5	23.3	





#85

Benzo(b)fluoranthene

Concen: 14.44 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. 0.00 min

Lab File: BM010724.D

Acq: 24 Jun 2017 11:38

Instrument :

BNA_M

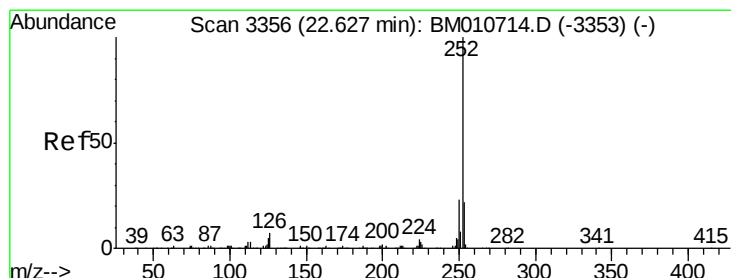
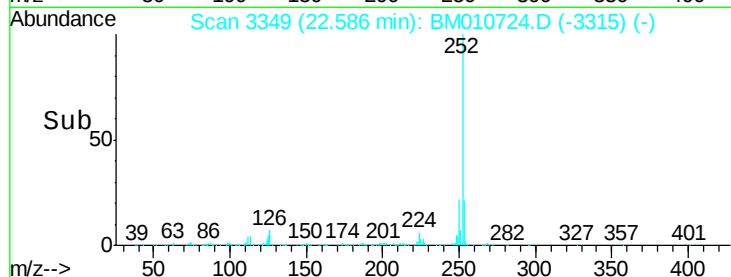
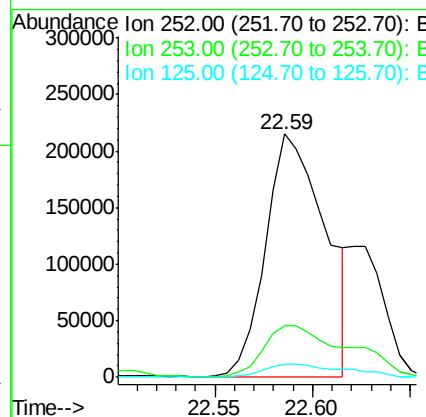
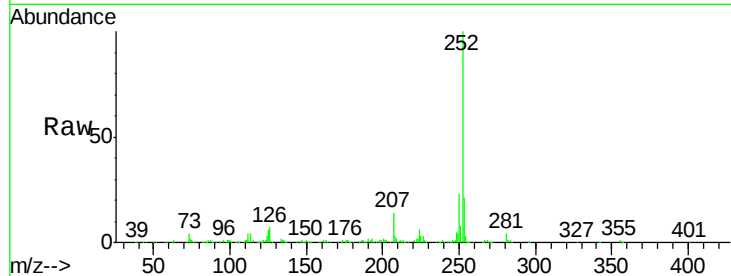
ClientSampleId :

F5B22ME

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	454340		
253	21.2	17.9	26.9	
125	5.7	3.6	5.4#	

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#86

Benzo(k)fluoranthene

Concen: 4.85 ng/ul m

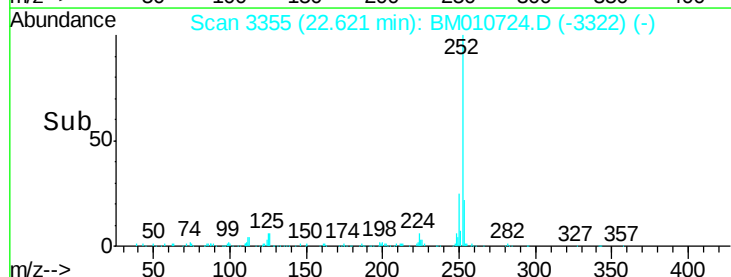
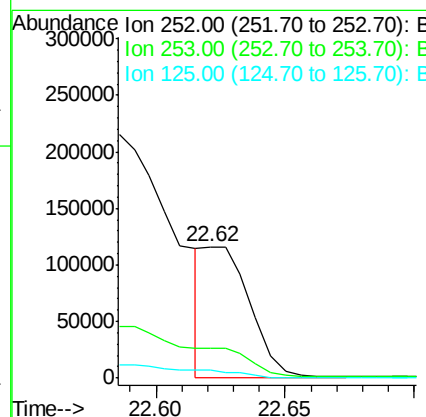
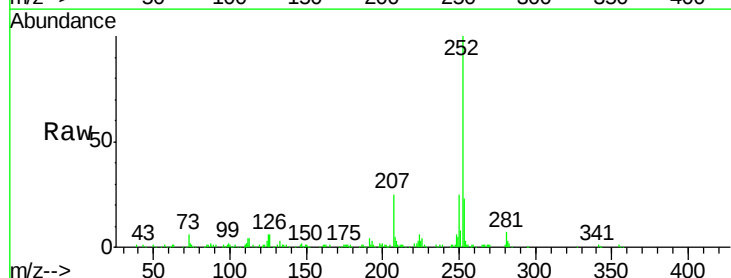
RT: 22.62 min Scan# 3355

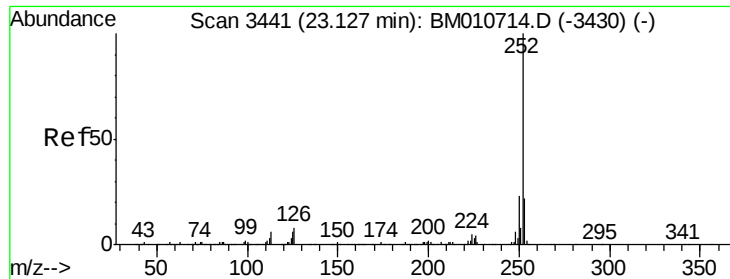
Delta R.T. -0.01 min

Lab File: BM010724.D

Acq: 24 Jun 2017 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	144733		
253	22.7	17.1	25.7	
125	5.8	3.4	5.2#	





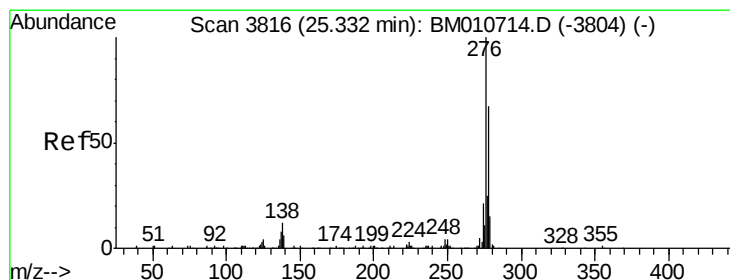
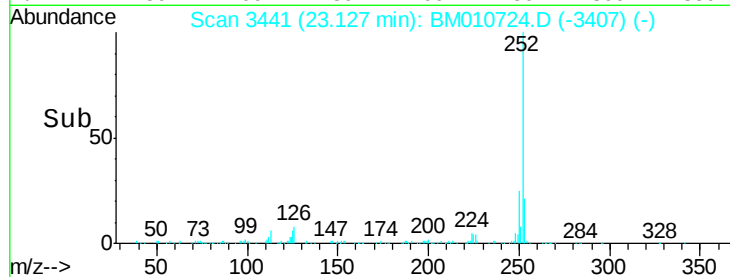
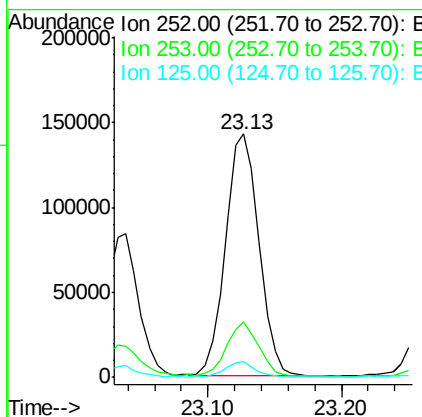
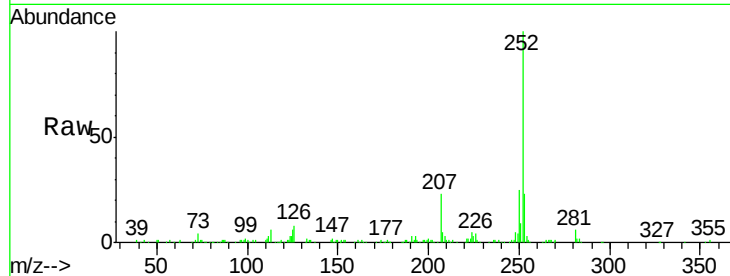
#88
Benzo(a)pyrene
Concen: 8.63 ng/ul
RT: 23.13 min Scan# 3441
Delta R.T. 0.00 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Instrument :
BNA_M
ClientSampleId :
F5B22ME

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	249775		
253	22.7	18.2	27.2	
125	6.4	4.0	6.0	

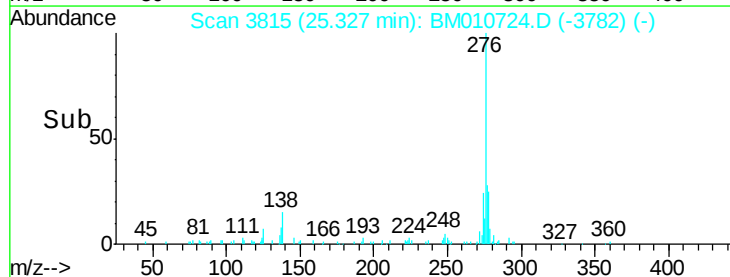
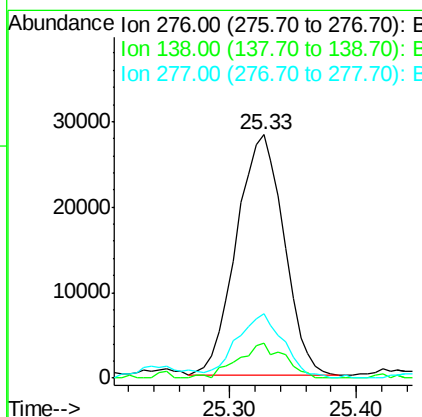
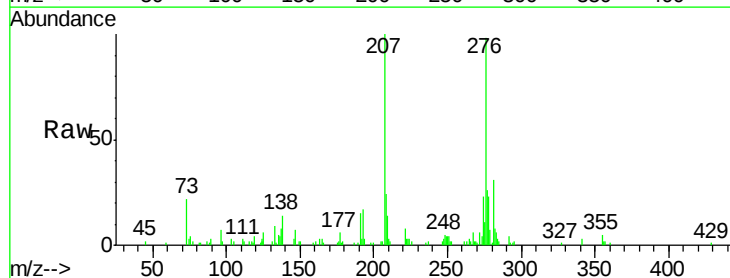
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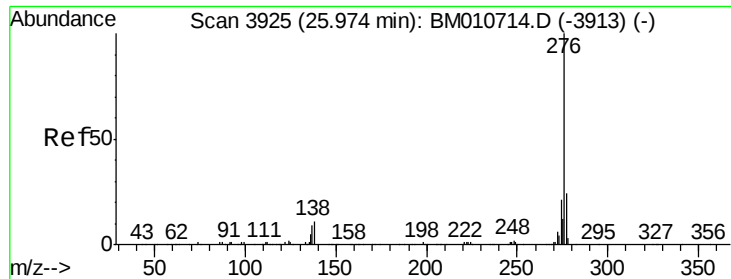
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.45 ng/ul
RT: 25.33 min Scan# 3815
Delta R.T. -0.01 min
Lab File: BM010724.D
Acq: 24 Jun 2017 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	73677		
138	14.4	9.3	13.9	
277	26.6	19.9	29.9	





#91
 Benzo(g,h,i)perylene
 Concen: 1.73 ng/ul
 RT: 25.97 min Scan# 3924
 Delta R.T. -0.01 min
 Lab File: BM010724.D
 Acq: 24 Jun 2017 11:38

Instrument :
 BNA_M
 ClientSampleId :
 F5B22ME

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	41294		
138	13.8		8.5	12.7#
277	24.2		18.6	28.0

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