

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010723.D
 Acq On : 24 Jun 2017 11:02
 Operator : SJ/JU
 Sample : I3627-20ME 20X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C49ME

Manual Integrations
 APPROVED

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

Quant Time: Jun 26 03:46:06 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	82496	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	383402	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	263811	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	643103	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	654704	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	483977	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	4572	0.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	2506	0.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	4052	0.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	4038	0.62	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	1445	0.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	2026	0.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	4624	0.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	4409	0.63	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	18485	0.80	ng/ul	0.00
46) Acenaphthylene-d8	13.79	160	20133	0.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	2109	0.52	ng/ul	0.00
57) Fluorene-d10	15.11	176	17016	0.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	1692	0.43	ng/ul	0.00
70) Anthracene-d10	16.96	188	26023m	0.84	ng/ul	0.00
76) Pyrene-d10	19.27	212	27848	0.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	17655	0.75	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.27	128	2630992	137.894	ng/ul	99
34) 2-Methylnaphthalene	11.89	142	168299	10.973	ng/ul	97
40) 1,1'-Biphenyl	12.93	154	51915	2.517	ng/ul	98
49) Acenaphthene	14.17	153	139248	8.046	ng/ul	99
53) Dibenzofuran	14.51	168	190263	7.259	ng/ul	92
58) Fluorene	15.17	166	196869	8.971	ng/ul	99
69) Phenanthrene	16.91	178	855062	25.009	ng/ul	100
71) Anthracene	17.00	178	231671	6.577	ng/ul	97
72) Carbazole	17.27	167	94366	3.071	ng/ul	97
74) Fluoranthene	18.94	202	584377	13.262	ng/ul	98
77) Pyrene	19.30	202	420058	11.108	ng/ul	98
80) Benzo(a)anthracene	21.06	228	146449	3.841	ng/ul	96
82) Chrysene	21.12	228	123945	3.646	ng/ul	95
85) Benzo(b)fluoranthene	22.58	252	118215	3.763	ng/ul	97
86) Benzo(k)fluoranthene	22.62	252	39021m	1.310	ng/ul	
88) Benzo(a)pyrene	23.12	252	72214	2.497	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	25.32	276	35916	1.197	ng/ul#	91
91) Benzo(g,h,i)perylene	25.97	276	26206m	1.097	ng/ul	

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

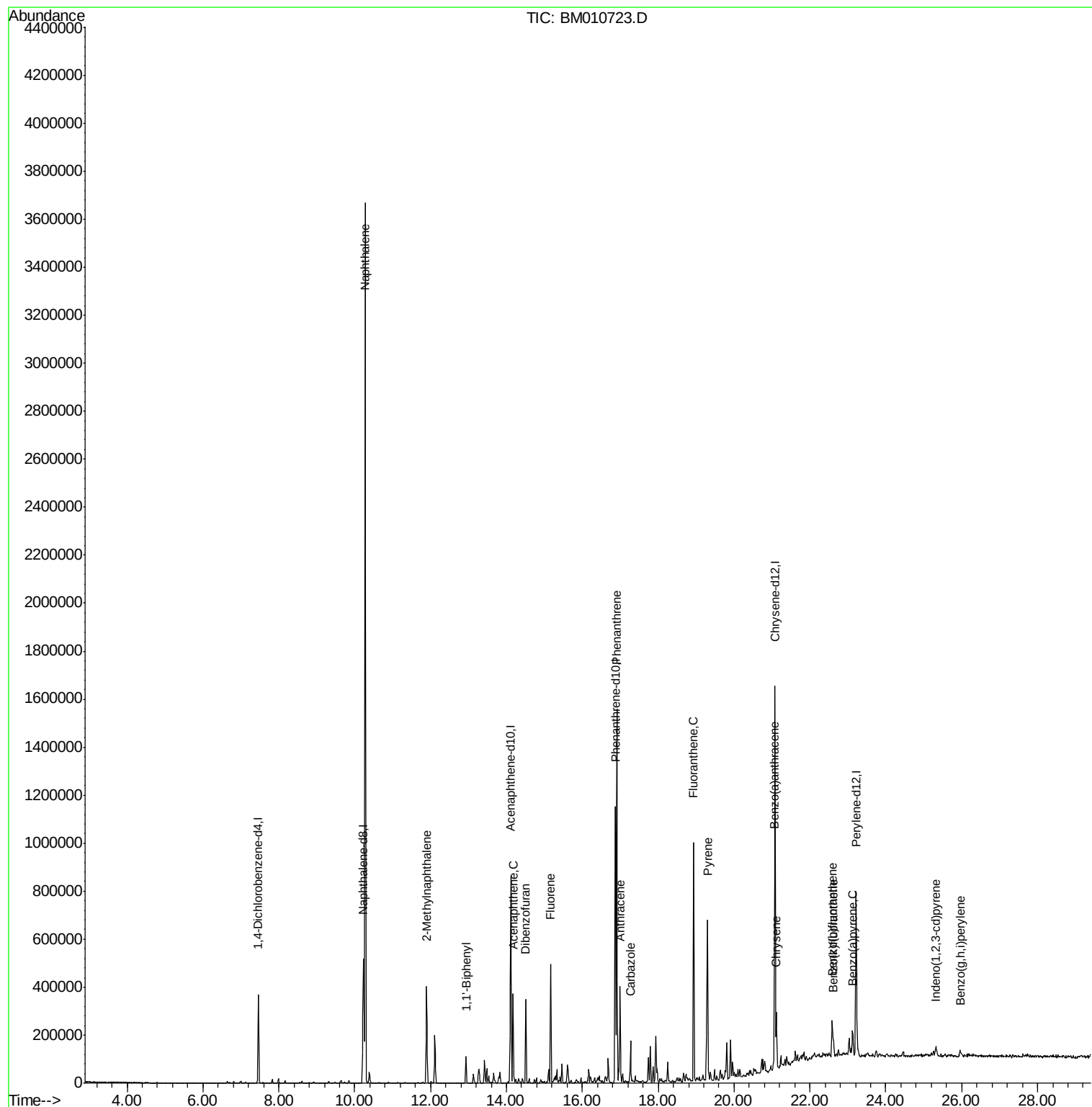
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010723.D
Acq On : 24 Jun 2017 11:02
Operator : SJ/JU
Sample : I3627-20ME 20X
Misc :
ALS Vial : 39 Sample Multiplier: 1

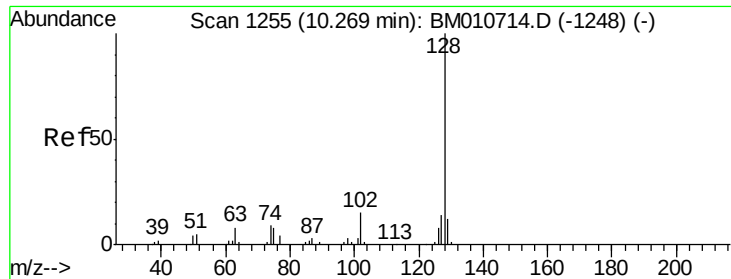
Instrument :
BNA_M
ClientSampleId :
F5C49ME

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 26 01:49:13 2017
Response via : Initial Calibration





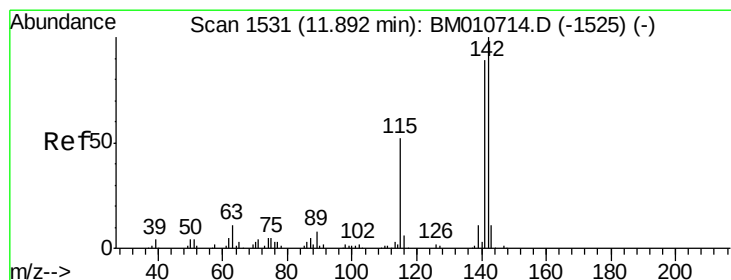
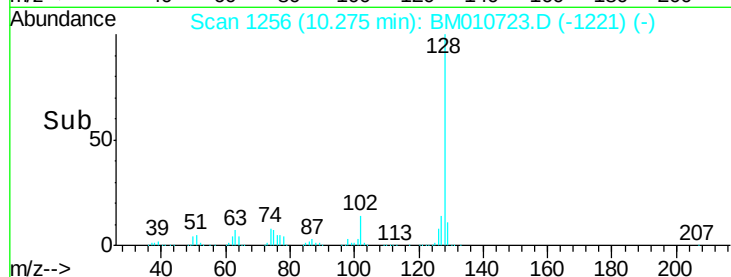
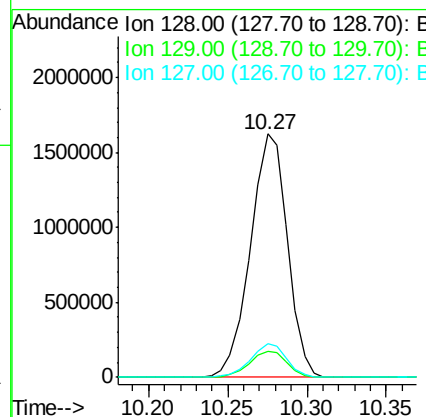
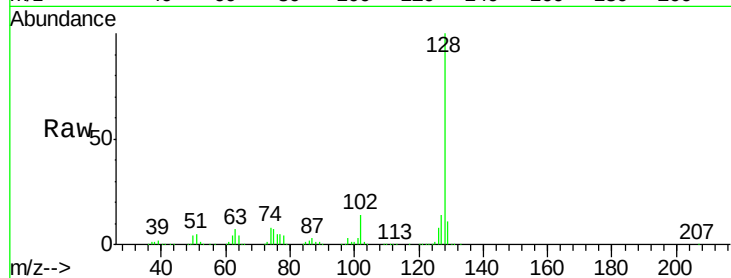
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Naphthalene
Concen: 137.894 ng/ul
RT: 10.27 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BM010723.D
Acq: 24 Jun 2017 11:02

Instrument :
BNA_M
ClientSampleId :
F5C49ME

Tgt Ion:128 Resp: 2630992
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.8 10.6 16.0

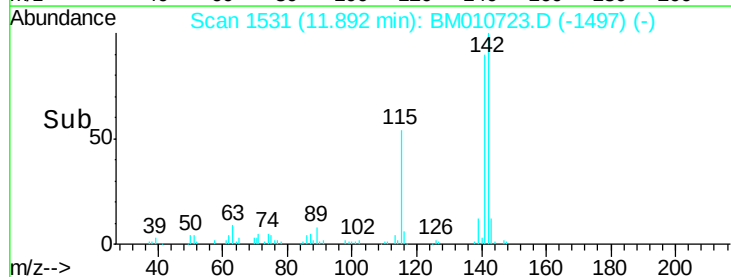
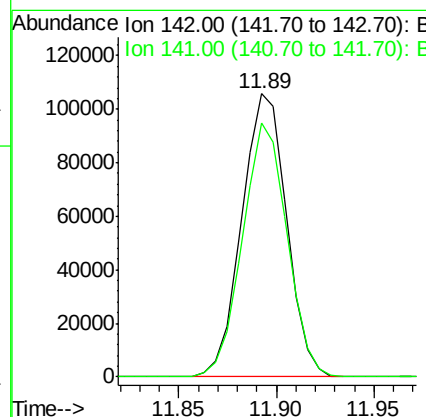
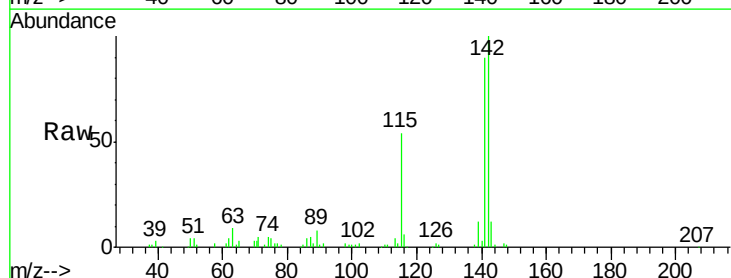
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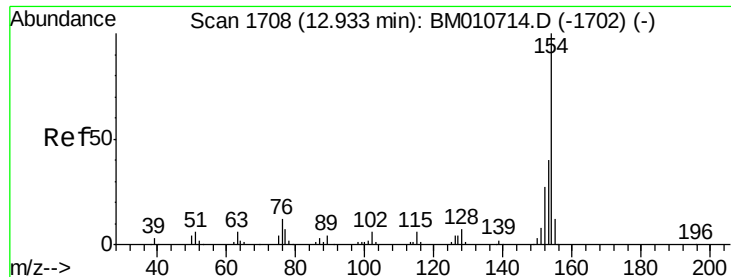
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#34
2-Methylnaphthalene
Concen: 10.973 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BM010723.D
Acq: 24 Jun 2017 11:02

Tgt Ion:142 Resp: 168299
Ion Ratio Lower Upper
142 100
141 89.8 74.1 111.1





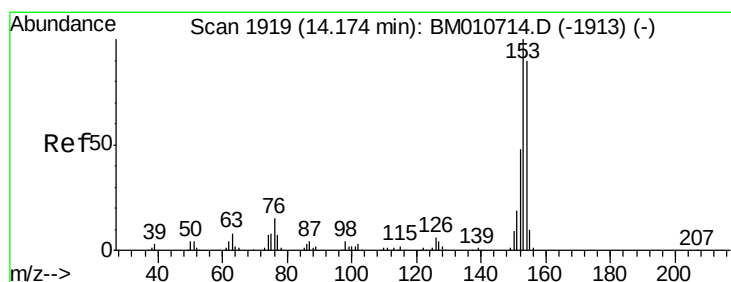
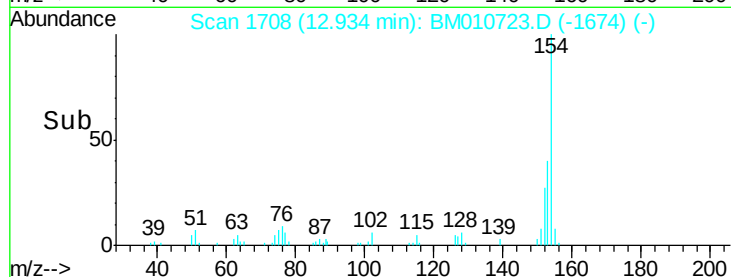
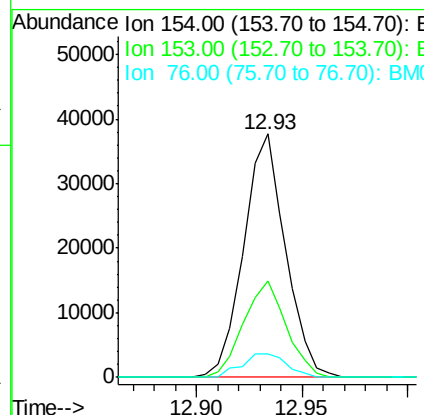
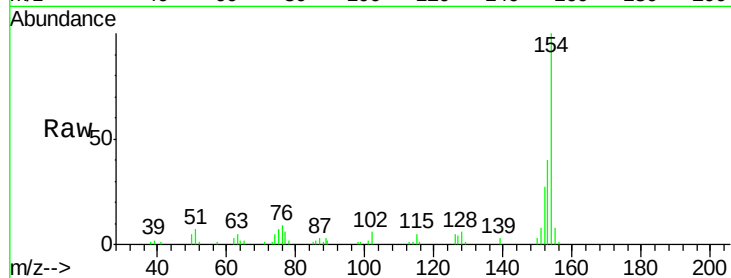
#40
 1,1'-Biphenyl
 Concen: 2.517 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BM010723.D
 Acq: 24 Jun 2017 11:02

Instrument :
 BNA_M
 ClientSampleId :
 F5C49ME

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	39.7	32.6	48.8
76	9.4	8.5	12.7

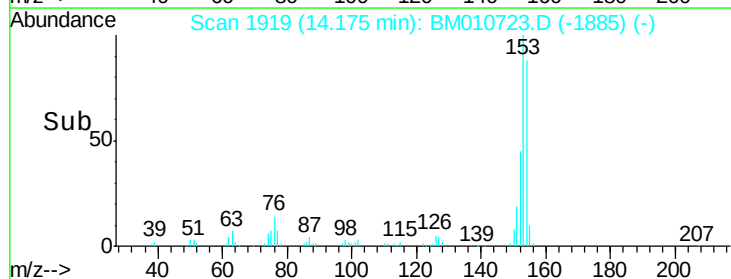
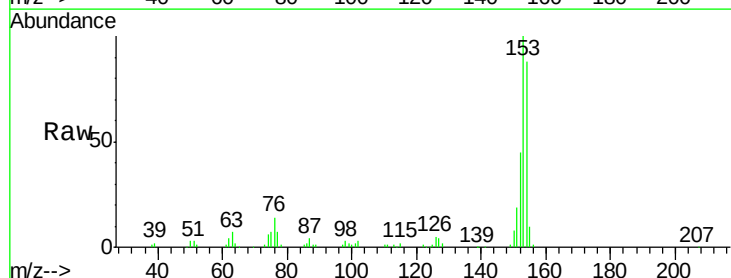
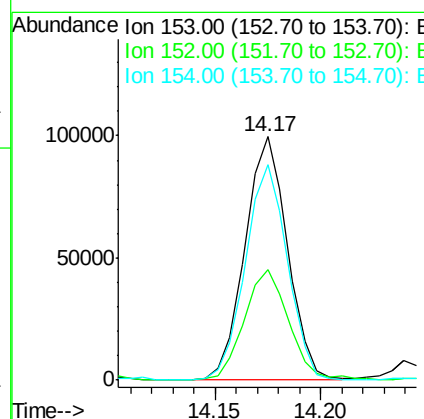
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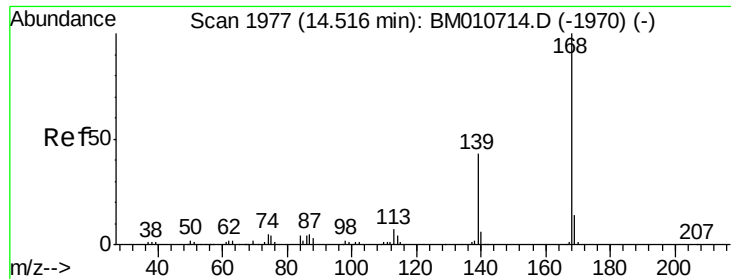
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#49
 Acenaphthene
 Concen: 8.046 ng/ul
 RT: 14.17 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: BM010723.D
 Acq: 24 Jun 2017 11:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
153	100		
152	45.5	37.6	56.4
154	88.3	70.4	105.6





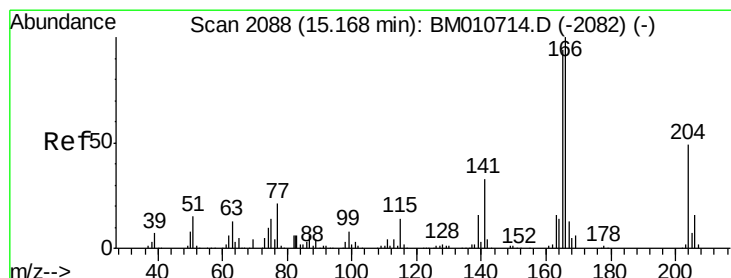
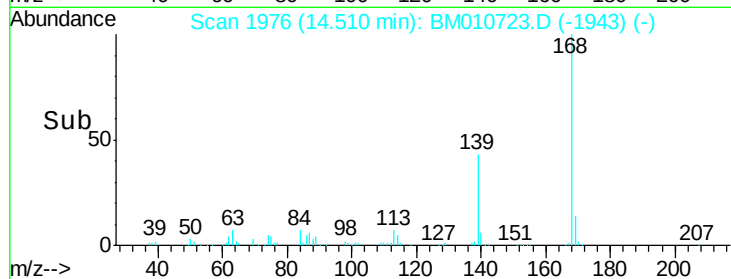
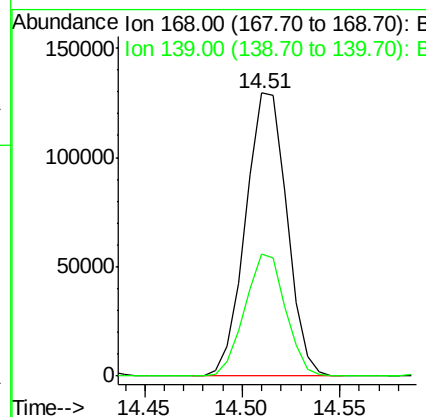
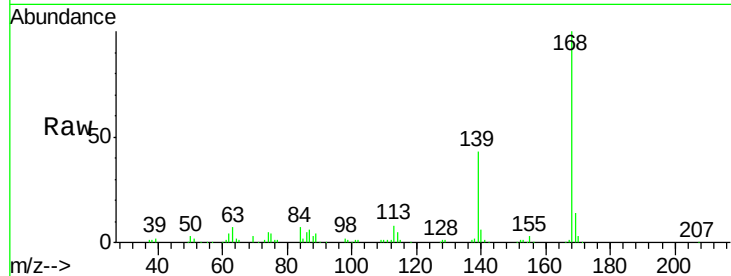
#53
Dibenzenofuran
Concen: 7.259 ng/ul
RT: 14.51 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BM010723.D
Acq: 24 Jun 2017 11:02

Instrument :
BNA_M
ClientSampleId :
F5C49ME

Tgt Ion:168 Resp: 190263
Ion Ratio Lower Upper
168 100
139 43.3 30.8 46.2

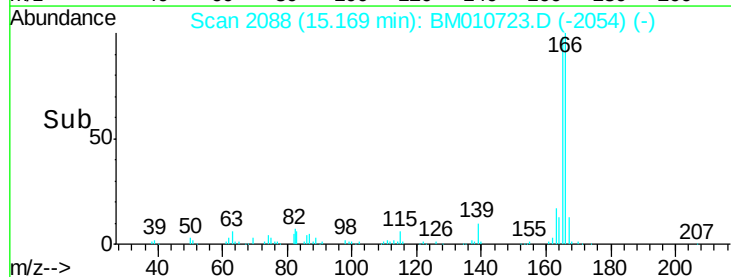
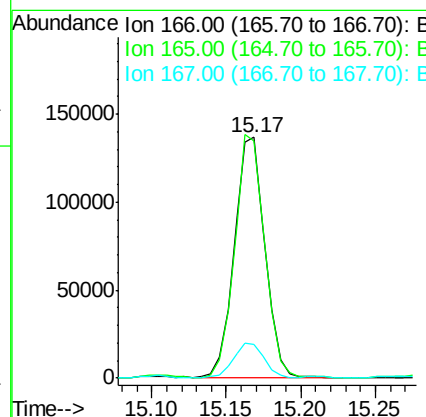
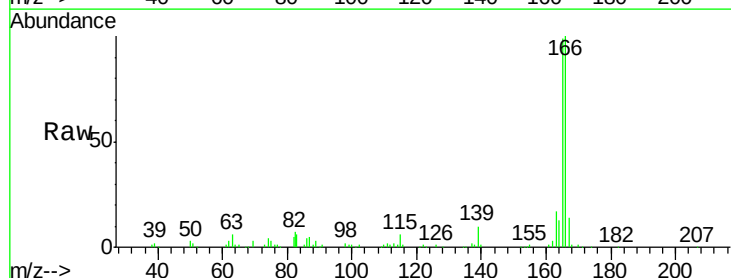
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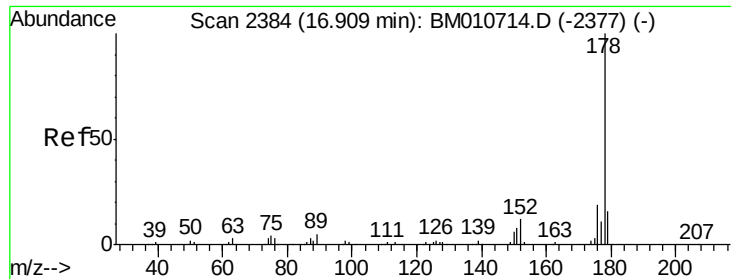
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#58
Fluorene
Concen: 8.971 ng/ul
RT: 15.17 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BM010723.D
Acq: 24 Jun 2017 11:02

Tgt Ion:166 Resp: 196869
Ion Ratio Lower Upper
166 100
165 98.7 77.9 116.9
167 13.8 10.6 16.0





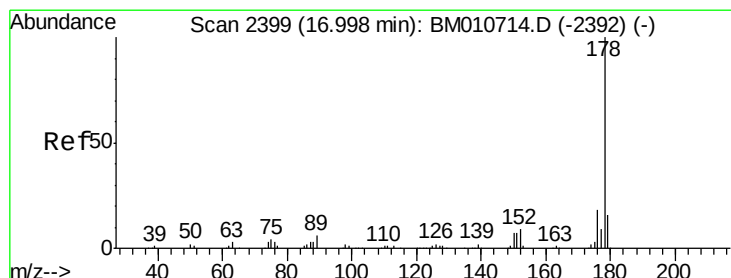
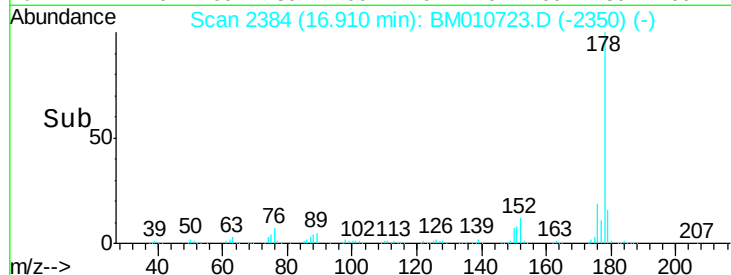
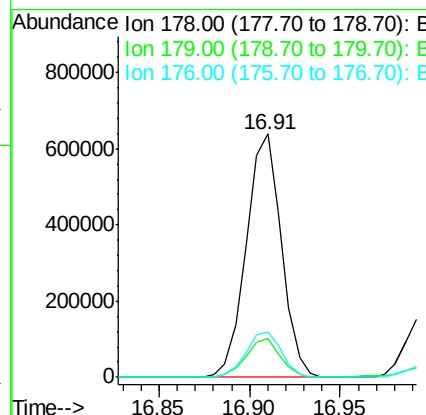
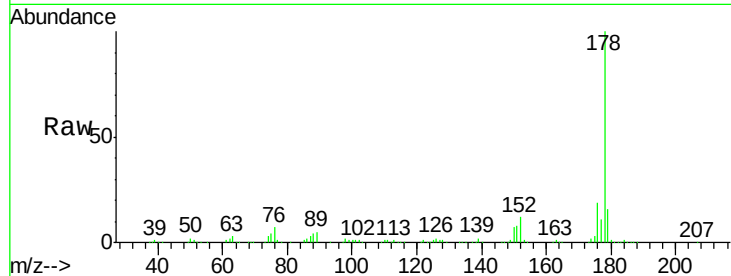
#69
Phenanthrene
Concen: 25.009 ng/ul
RT: 16.91 min Scan# 2384
Delta R.T. 0.00 min
Lab File: BM010723.D
Acq: 24 Jun 2017 11:02

Instrument :
BNA_M
ClientSampleId :
F5C49ME

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	19.0
176	18.6	14.9	22.3

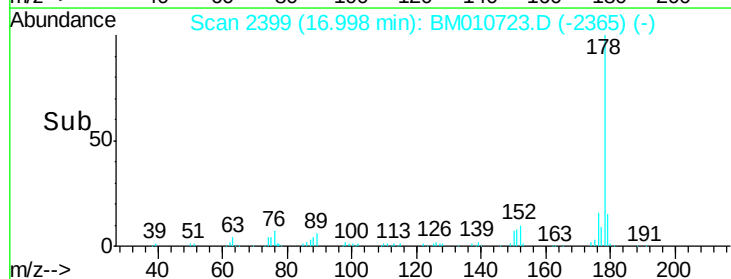
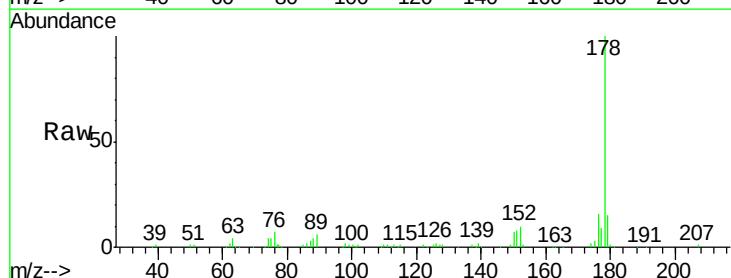
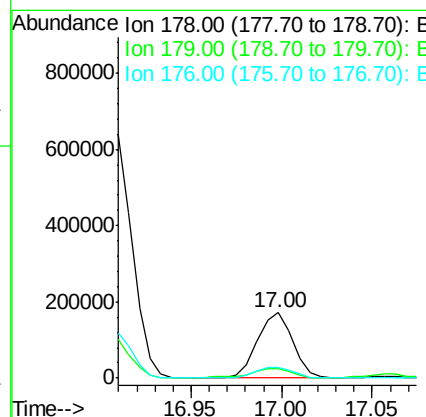
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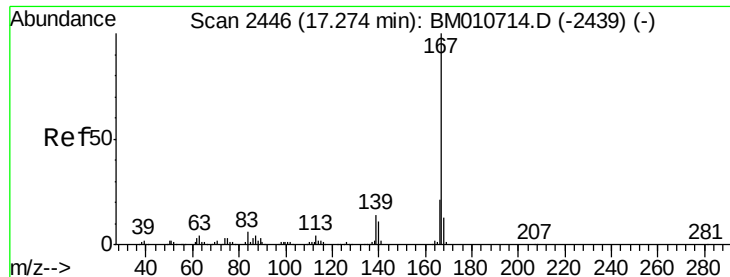
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#71
Anthracene
Concen: 6.577 ng/ul
RT: 17.00 min Scan# 2399
Delta R.T. 0.00 min
Lab File: BM010723.D
Acq: 24 Jun 2017 11:02

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.7	17.5
176	16.3	14.6	21.8





#72

Carbazole

Concen: 3.071 ng/ul

RT: 17.27 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

Instrument :

BNA_M

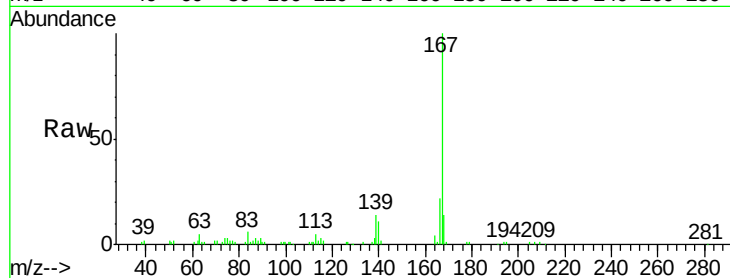
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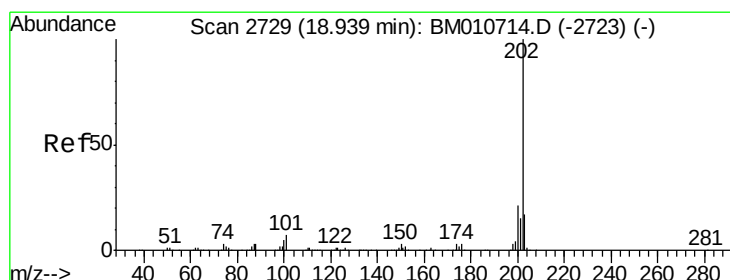
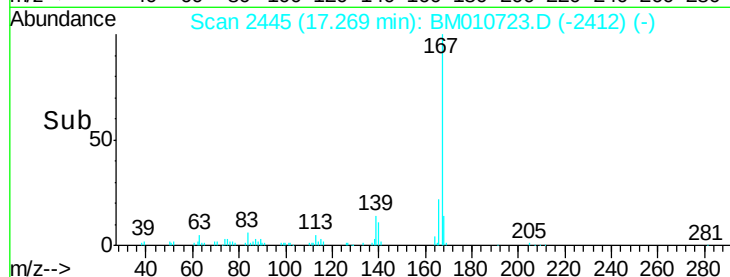
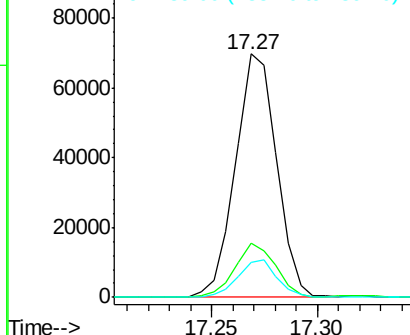
Tgt Ion:	167	Resp:	94366
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.1	25.7
139	14.5	10.0	15.0

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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: 13.262 ng/ul

RT: 18.94 min Scan# 2729

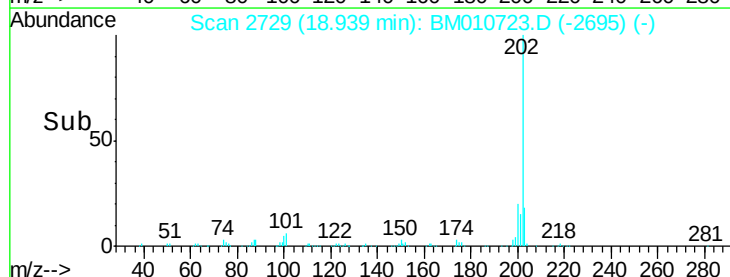
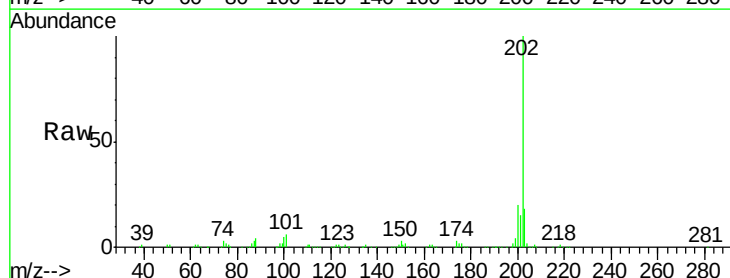
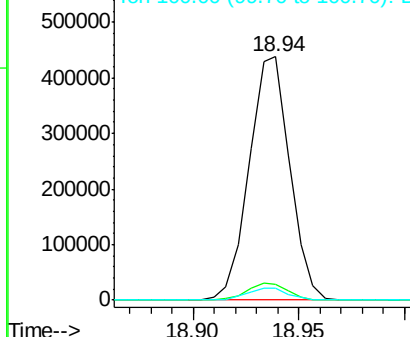
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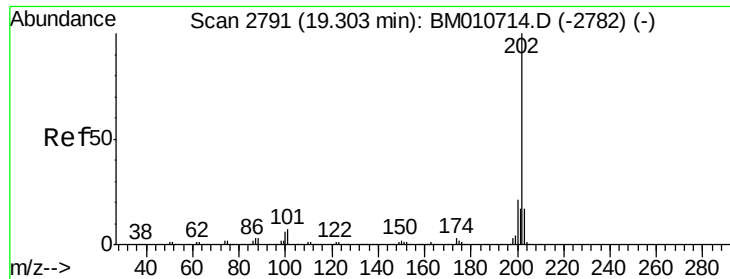
Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

Tgt Ion:	202	Resp:	584377
Ion Ratio	Lower	Upper	
202	100		
101	6.4	4.6	7.0
100	4.8	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: 11.108 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

Instrument :

BNA_M

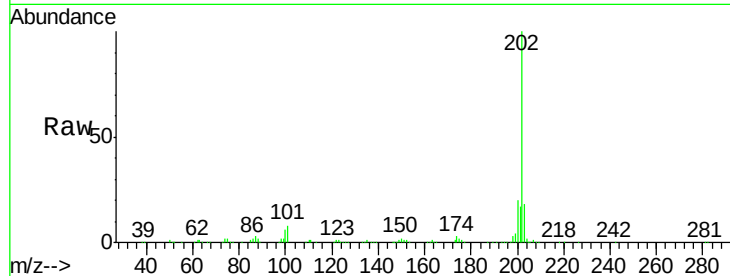
ClientSampleId :

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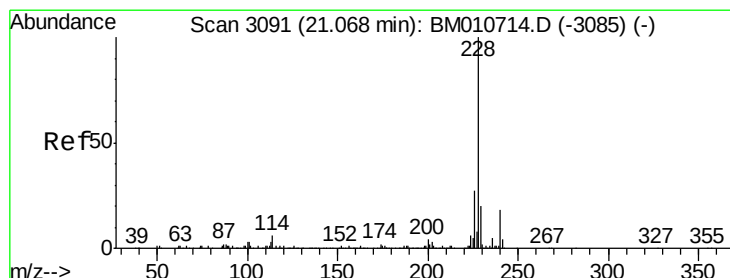
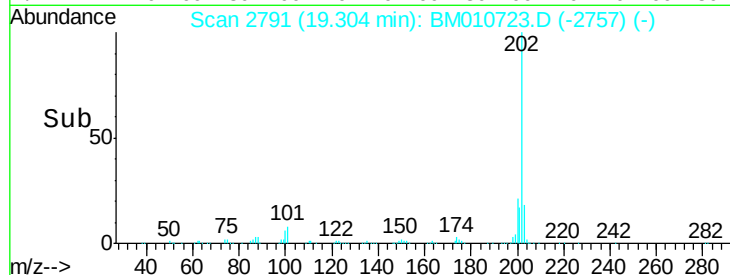
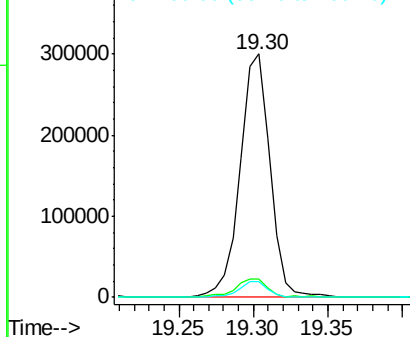
Tgt Ion:	202	Resp:	420058
Ion Ratio	Lower	Upper	
202	100		
101	7.6	5.1	7.7
100	6.3	4.9	7.3

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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



#80

Benzo(a)anthracene

Concen: 3.841 ng/ul

RT: 21.06 min Scan# 3090

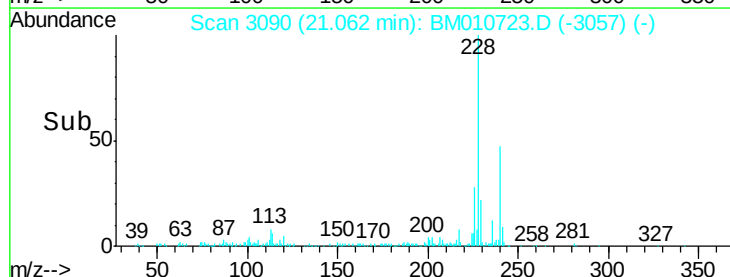
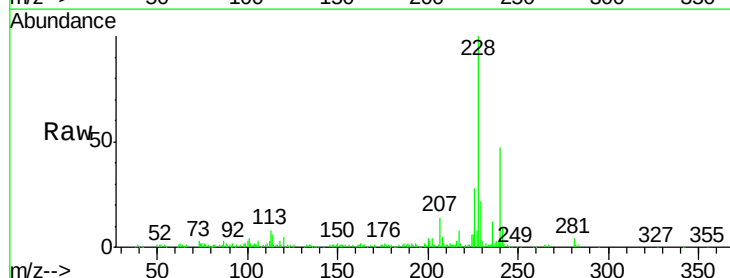
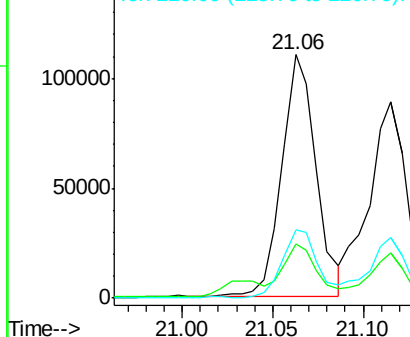
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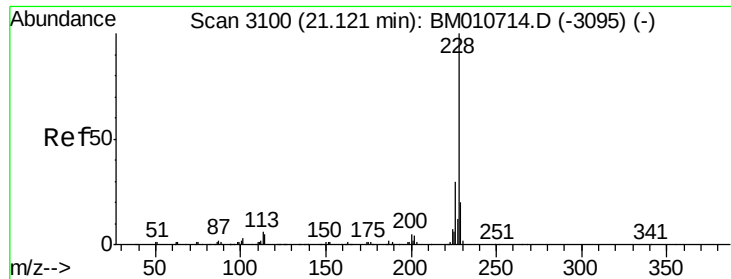
Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

Tgt Ion:	228	Resp:	146449
Ion Ratio	Lower	Upper	
228	100		
229	22.1	15.4	23.0
226	28.0	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: 3.646 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

Instrument :

BNA_M

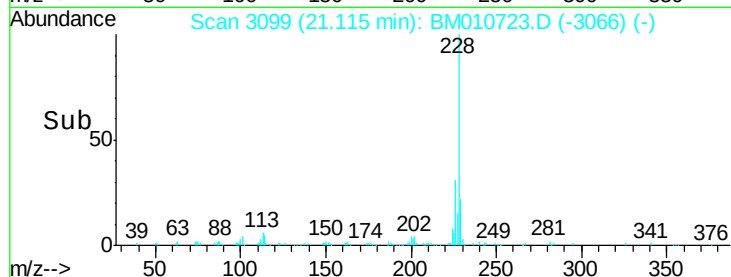
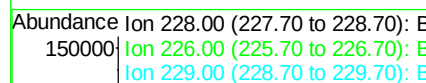
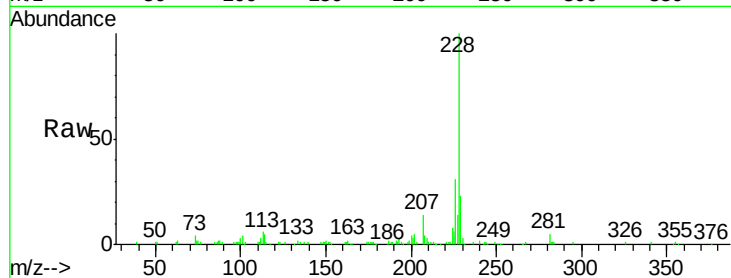
ClientSampleId :

F5C49ME

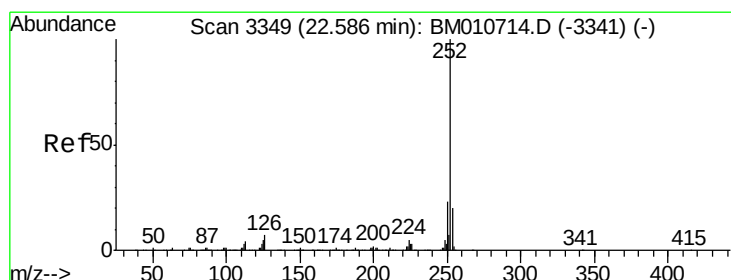
Tgt	Ion	228	Resp:	123945
Ion	Ratio	100	Lower	Upper
228	100			
226	31.2	23.4	35.2	
229	23.2	15.5	23.3	

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Time-->



#85

Benzo(b)fluoranthene

Concen: 3.763 ng/ul

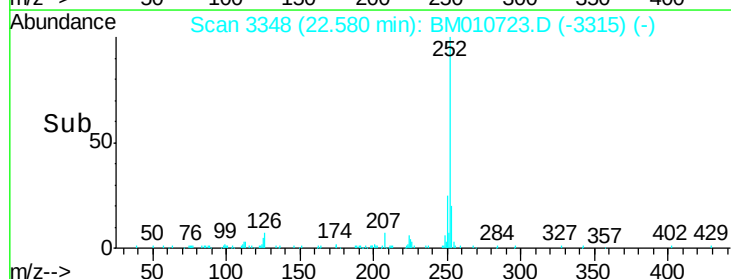
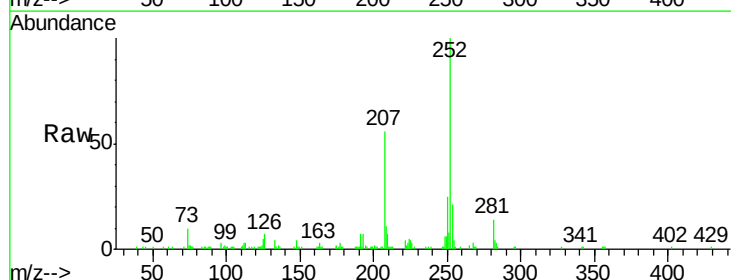
RT: 22.58 min Scan# 3348

Delta R.T. -0.01 min

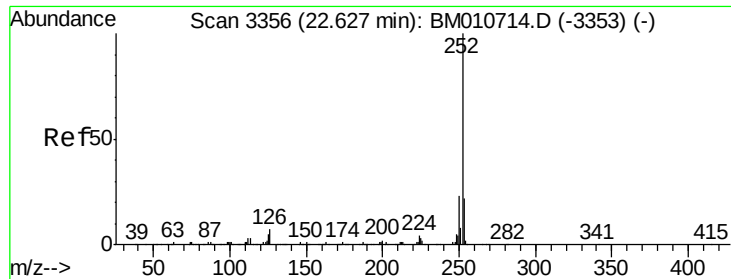
Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

Tgt	Ion	252	Resp:	118215
Ion	Ratio	100	Lower	Upper
252	100			
253	20.6	17.9	26.9	
125	4.7	3.6	5.4	



Time-->



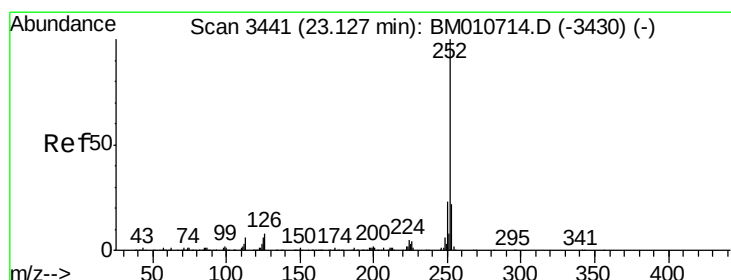
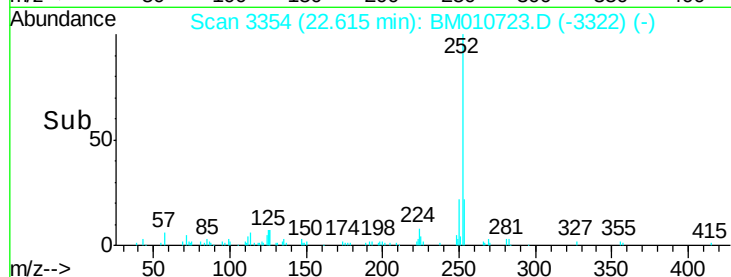
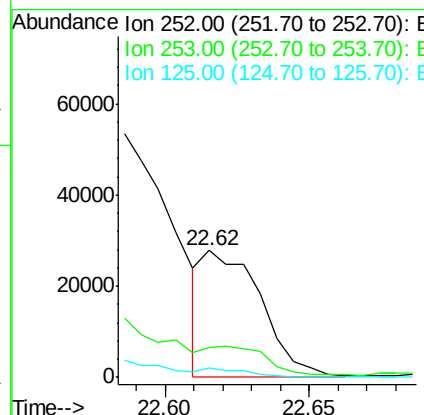
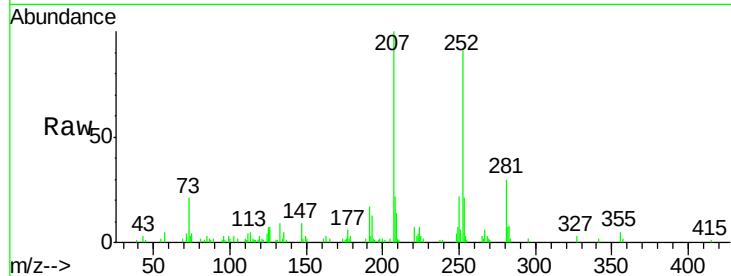
#86
Benzo(k)fluoranthene
Concen: 1.310 ng/ul m
RT: 22.62 min Scan# 3354
Delta R.T. -0.01 min
Lab File: BM010723.D
Acq: 24 Jun 2017 11:02

Instrument :
BNA_M
ClientSampleId :
F5C49ME

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	17.1	25.7
125	7.3	3.4	5.2

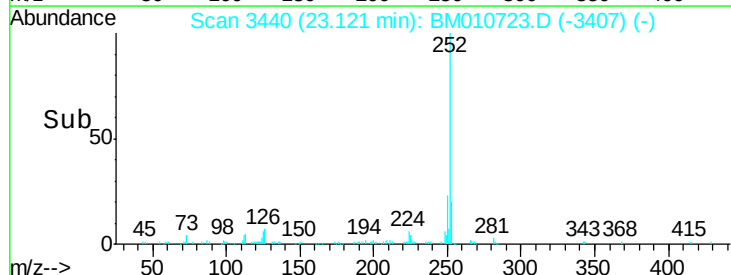
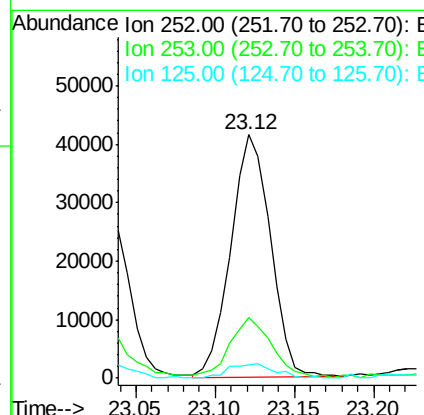
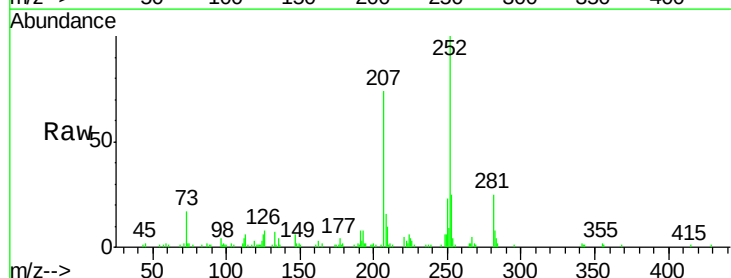
Manual Integrations
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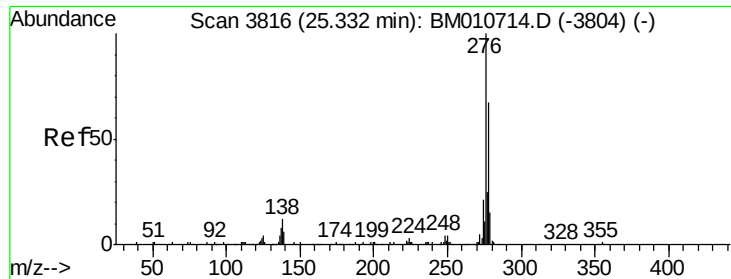
mohammad
6/28/2017 7:48:48 AM



#88
Benzo(a)pyrene
Concen: 2.497 ng/ul
RT: 23.12 min Scan# 3440
Delta R.T. -0.01 min
Lab File: BM010723.D
Acq: 24 Jun 2017 11:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.8	18.2	27.2
125	5.5	4.0	6.0





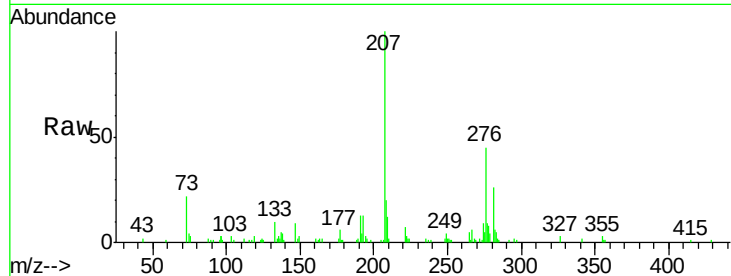
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 1.197 ng/ul
 RT: 25.32 min Scan# 3814
 Delta R.T. -0.01 min
 Lab File: BM010723.D
 Acq: 24 Jun 2017 11:02

Instrument :
 BNA_M
 ClientSampleId :
 F5C49ME

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	9.1	9.3	13.9#
277	19.9	19.9	29.9#

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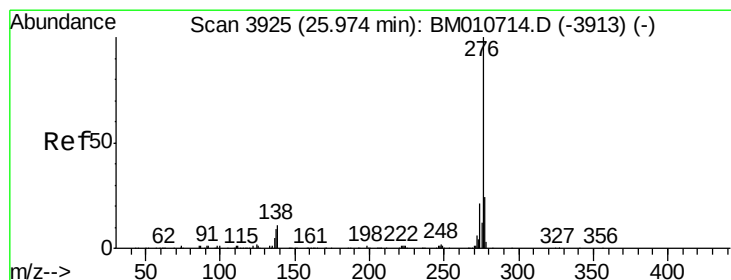
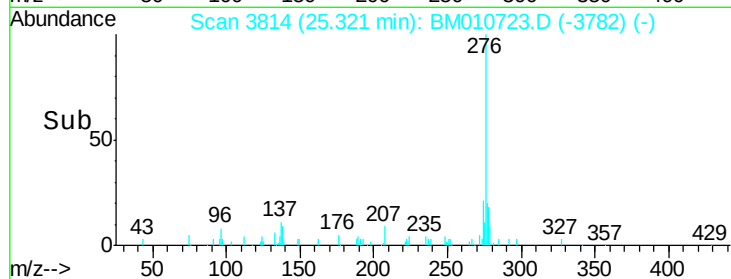
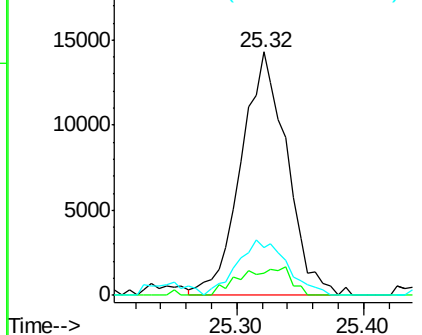


Abundance

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



#91
 Benzo(g,h,i)perylene
 Concen: 1.097 ng/ul m
 RT: 25.97 min Scan# 3925
 Delta R.T. 0.00 min
 Lab File: BM010723.D
 Acq: 24 Jun 2017 11:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	11.1	8.5	12.7
277	20.8	18.6	28.0

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

