

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
 Data File : BM010569.D
 Acq On : 13 Jun 2017 20:32
 Operator : SJ/MA
 Sample : I3558-17 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5D33

Manual Integrations
 APPROVED

mohammad
 6/14/2017 2:57:34 PM

Quant Time: Jun 14 08:48:45 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	123745	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	464131	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.52	164	316346	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	874691	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1437662	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1241478	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	7.07	99	10302m	1.10	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.23	67	6784	1.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	10329	1.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	8495	1.12	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	5139	1.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	4091	1.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	12436	1.54	ng/ul	0.01
29) 4-Chloroaniline-d4	10.85	131	55689	7.13	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	55033	2.09	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	53843	1.76	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.52	176	45770	1.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.66	200	8165	1.32	ng/ul	0.02
70) Anthracene-d10	17.37	188	74940	1.76	ng/ul	0.00
76) Pyrene-d10	19.66	212	110755	1.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	102720	1.78	ng/ul	0.00

Target Compounds

					Qvalue	
8) Bis(2-Chloroethyl)ether	7.28	93	30736	4.607	ng/ul#	31
24) 2,4-Dimethylphenol	9.86	107	23876	2.459	ng/ul	93
28) Naphthalene	10.74	128	28894902m	1241.213	ng/ul	
34) 2-Methylnaphthalene	12.35	142	13776388	780.522	ng/ul	98
40) 1,1'-Biphenyl	13.35	154	2551632	99.429	ng/ul	99
42) 2-Nitroaniline	13.69	65	38167m	7.433	ng/ul	
47) Acenaphthylene	14.24	152	426247	14.226	ng/ul#	97
49) Acenaphthene	14.59	153	10709970	509.651	ng/ul	99
53) Dibenzofuran	14.93	168	11794593	379.569	ng/ul	88
58) Fluorene	15.57	166	12595048	494.135	ng/ul	97
69) Phenanthrene	17.32	178	24713796m	529.254	ng/ul	
71) Anthracene	17.42	178	8081464	165.779	ng/ul	98
72) Carbazole	17.69	167	4051513	98.191	ng/ul	99
74) Fluoranthene	19.32	202	20154840m	350.993	ng/ul	
77) Pyrene	19.69	202	17585017m	237.367	ng/ul	
80) Benzo(a)anthracene	21.43	228	7561113	93.265	ng/ul	97
82) Chrysene	21.48	228	5195559	70.894	ng/ul	94
85) Benzo(b)fluoranthene	23.06	252	3635119	50.321	ng/ul	99
86) Benzo(k)fluoranthene	23.10	252	1269823m	18.400	ng/ul	
88) Benzo(a)pyrene	23.67	252	2262478m	31.596	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.14	276	733491	8.108	ng/ul	98
90) Dibenzo(a,h)anthracene	26.14	278	210781	2.705	ng/ul#	79
91) Benzo(g,h,i)perylene	26.88	276	455490	6.112	ng/ul#	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

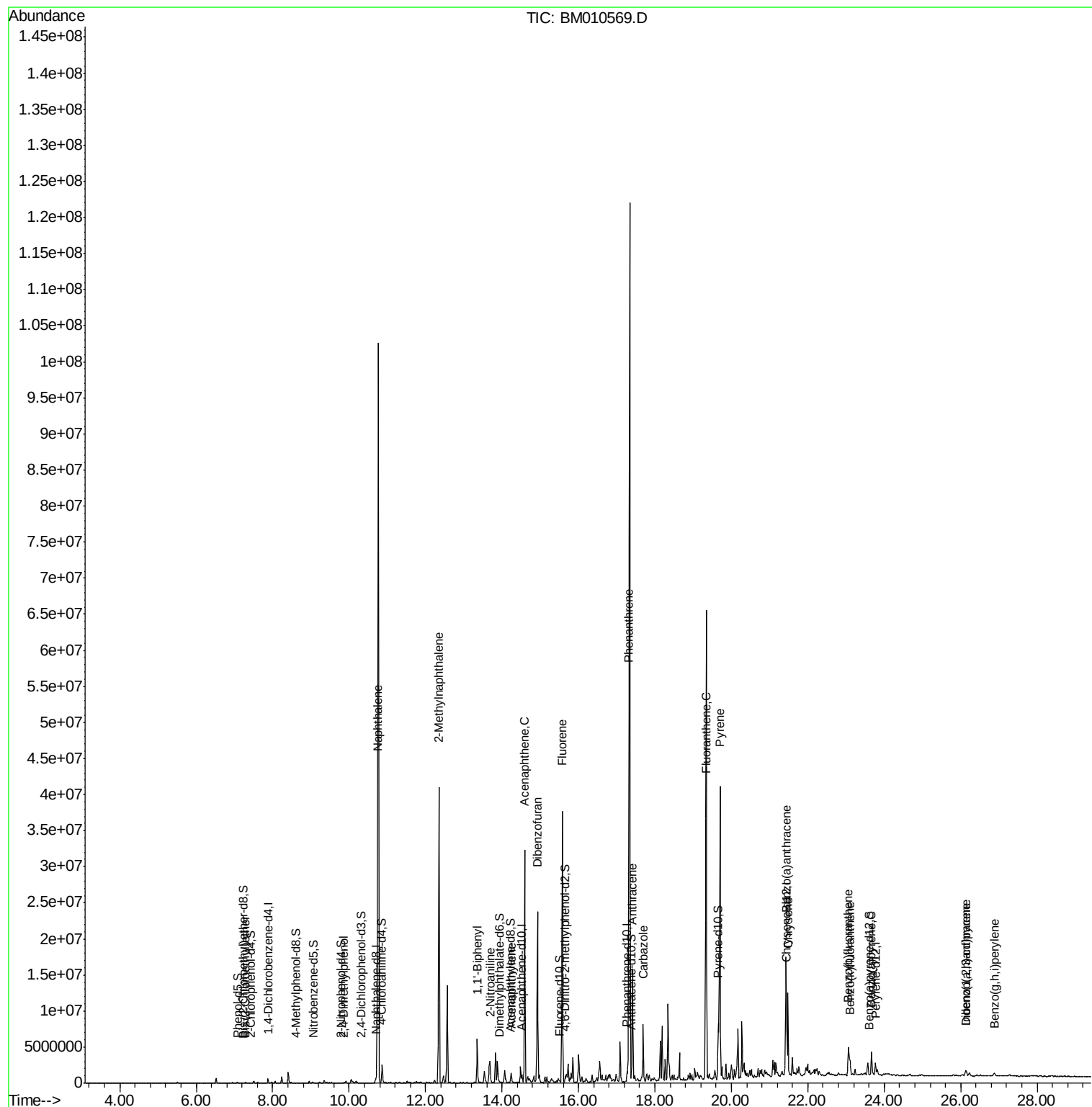
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
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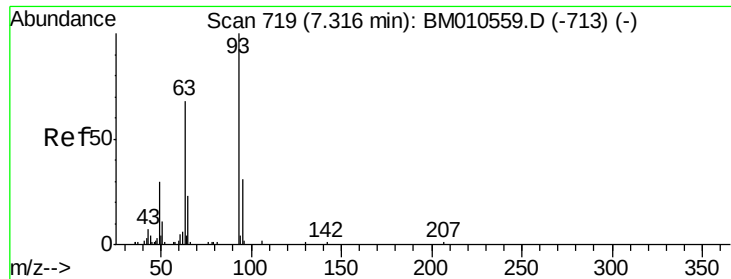
Instrument :
BNA_M
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#8

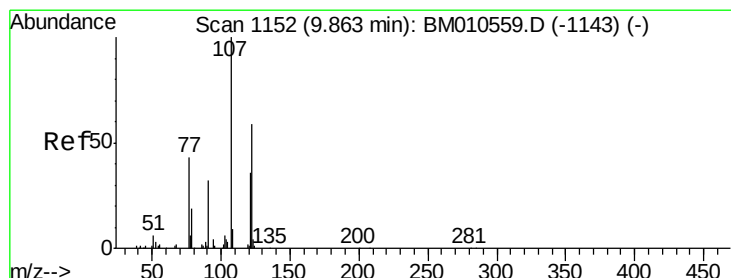
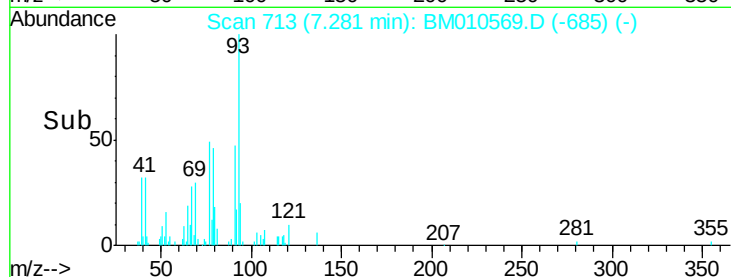
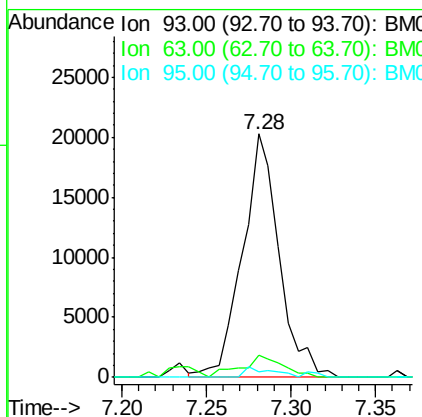
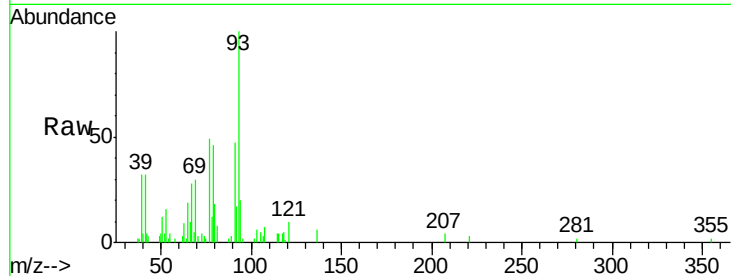
Bis(2-Chloroethyl)ether
 Concen: 4.607 ng/ul
 RT: 7.28 min Scan# 713
 Delta R.T. -0.04 min
 Lab File: BM010569.D
 Acq: 13 Jun 2017 20:32

Instrument :
 BNA_M
 ClientSampled :
 F5D33

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	30736		
63	9.3	57.3	85.9#	
95	2.0	26.6	39.8#	

Manual Integrations
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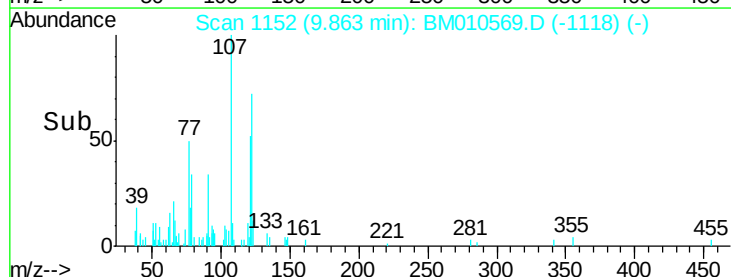
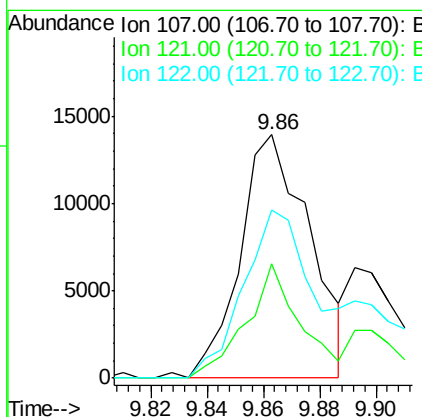
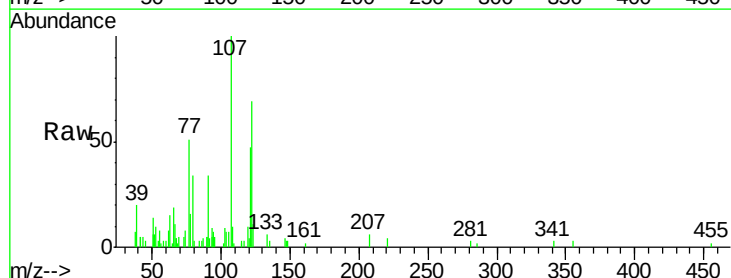
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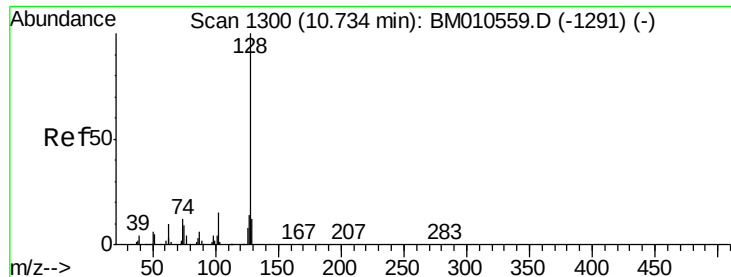


#24

2,4-Dimethylphenol
 Concen: 2.459 ng/ul
 RT: 9.86 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BM010569.D
 Acq: 13 Jun 2017 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	23876		
121	47.2	31.9	47.9	
122	69.0	57.8	86.6	





#28

Naphthalene

Concen: 1241.213 ng/ul m

RT: 10.74 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BM010569.D

Acq: 13 Jun 2017 20:32

Instrument :

BNA_M

ClientSampleId :

F5D33

Tgt Ion:128 Resp:28894902

Ion Ratio Lower Upper

128 100

129 14.8 8.8 13.2#

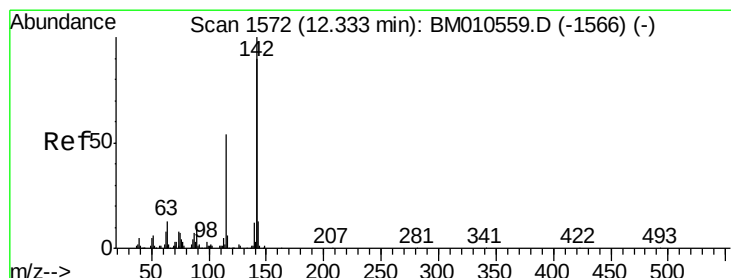
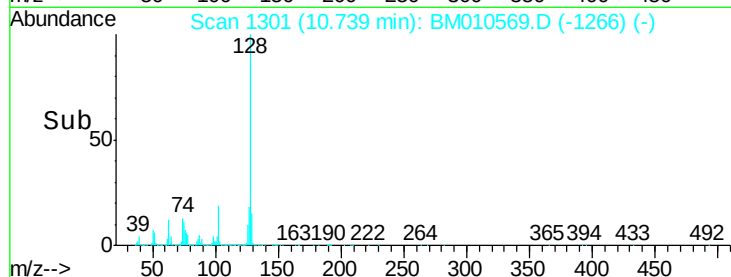
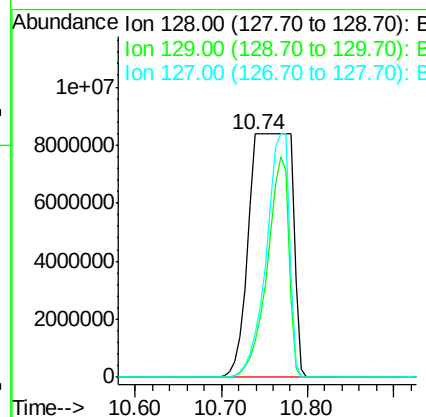
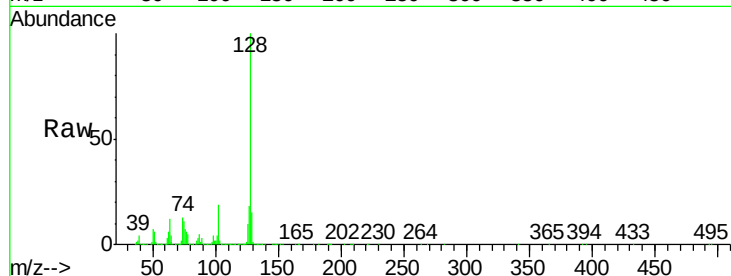
127 18.2 10.6 16.0#

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#34

2-Methylnaphthalene

Concen: 780.522 ng/ul

RT: 12.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BM010569.D

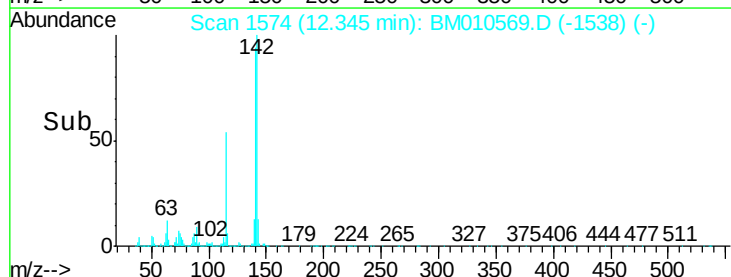
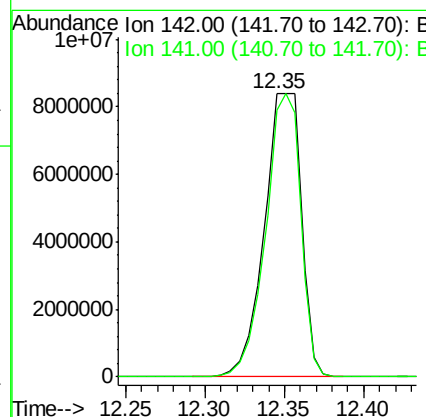
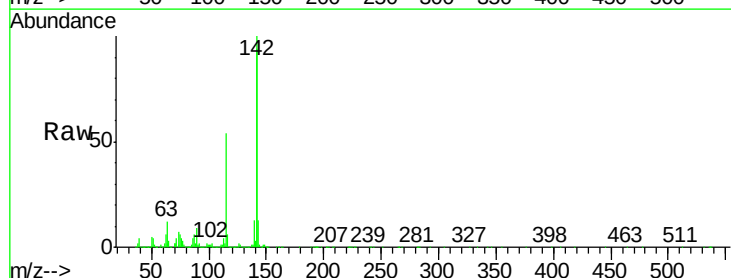
Acq: 13 Jun 2017 20:32

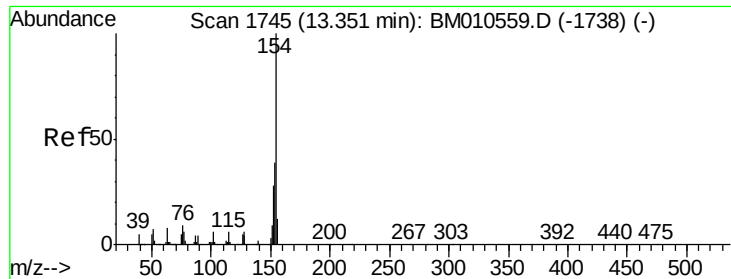
Tgt Ion:142 Resp:13776388

Ion Ratio Lower Upper

142 100

141 94.1 74.1 111.1





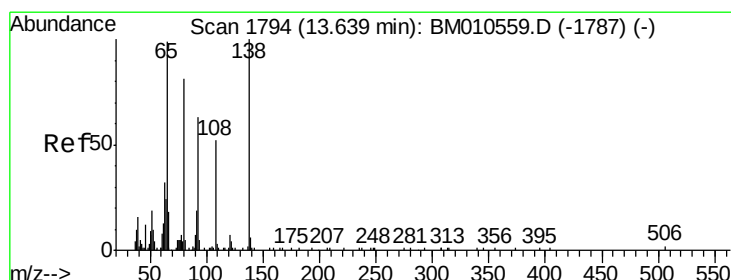
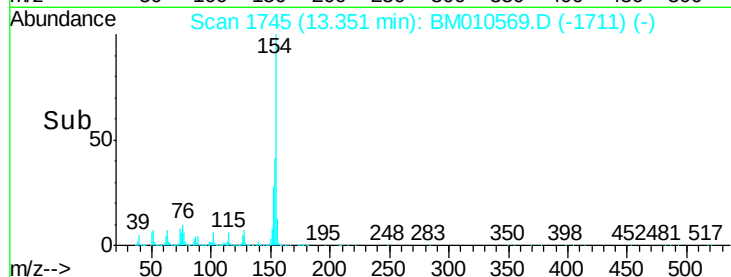
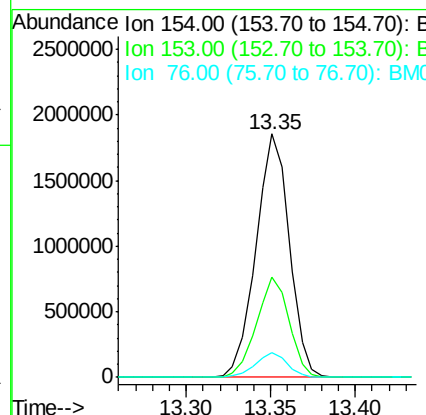
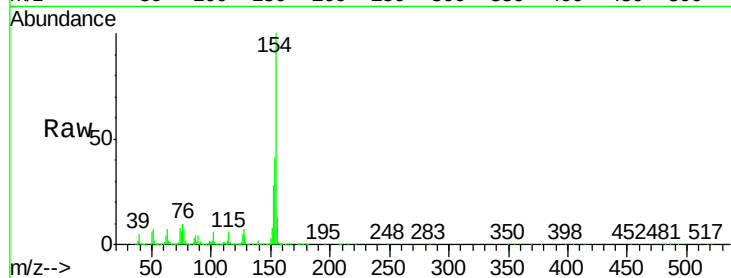
#40
 1,1'-Biphenyl
 Concen: 99.429 ng/ul
 RT: 13.35 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: BM010569.D
 Acq: 13 Jun 2017 20:32

Instrument :
 BNA_M
 ClientSampled :
 F5D33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.6	48.8
76	10.1	8.5	12.7

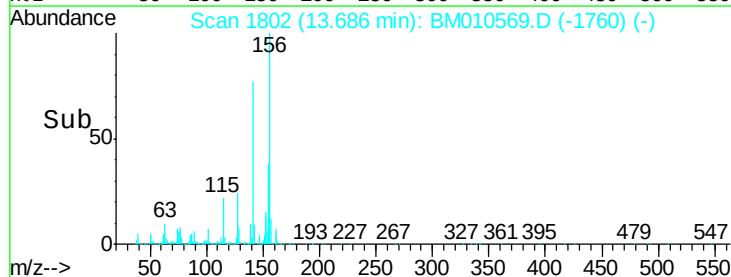
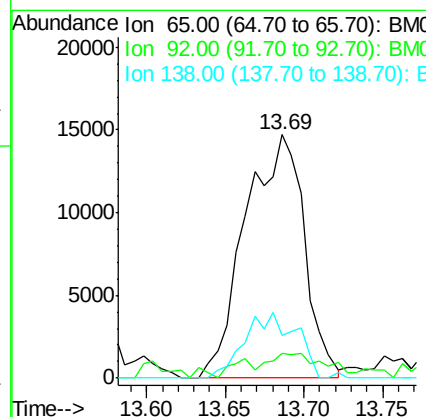
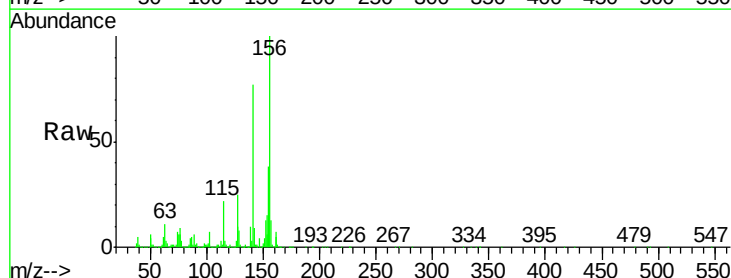
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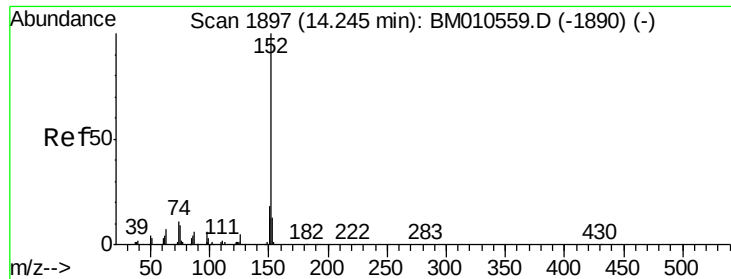
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#42
 2-Nitroaniline
 Concen: 7.433 ng/ul m
 RT: 13.69 min Scan# 1802
 Delta R.T. 0.05 min
 Lab File: BM010569.D
 Acq: 13 Jun 2017 20:32

Tgt Ion	Ratio	Lower	Upper
65	100		
92	9.9	51.8	77.6#
138	17.8	74.2	111.4#





#47

Acenaphthylene

Concen: 14.226 ng/ul

RT: 14.24 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BM010569.D

Acq: 13 Jun 2017 20:32

Instrument :

BNA_M

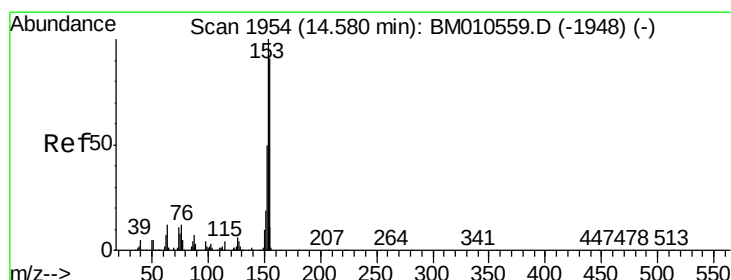
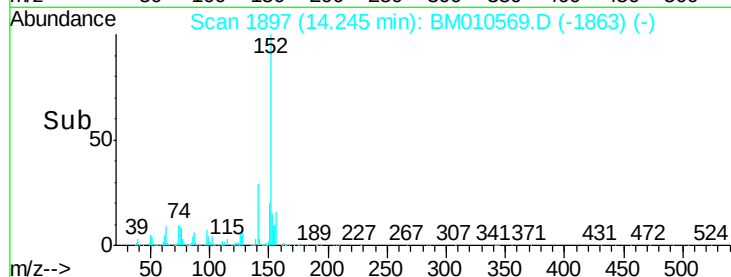
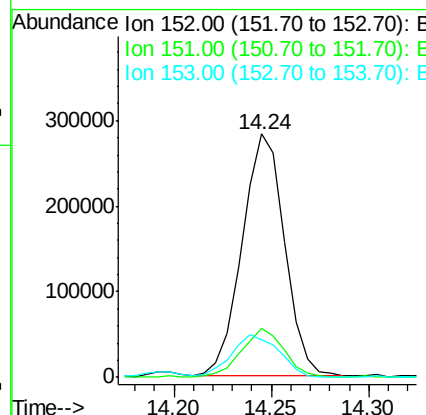
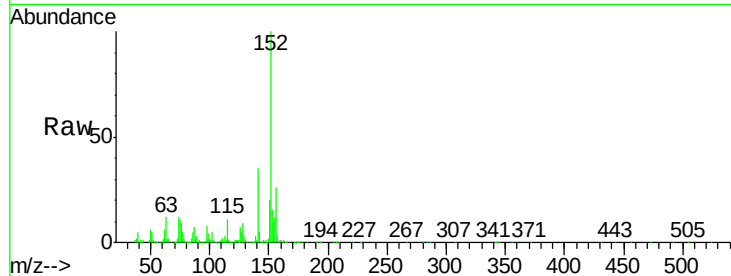
ClientSampleId :

F5D33

Tgt Ion:	152	Resp:	426247
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	15.7	10.2	15.4

Manual Integrations
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#49

Acenaphthene

Concen: 509.651 ng/ul

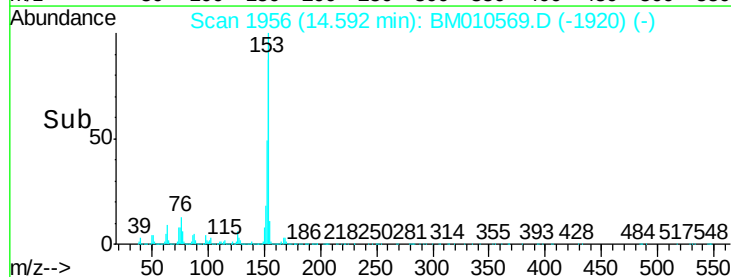
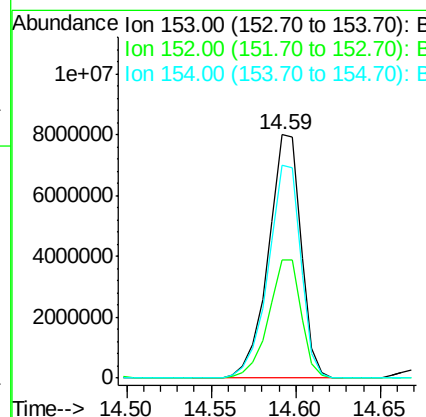
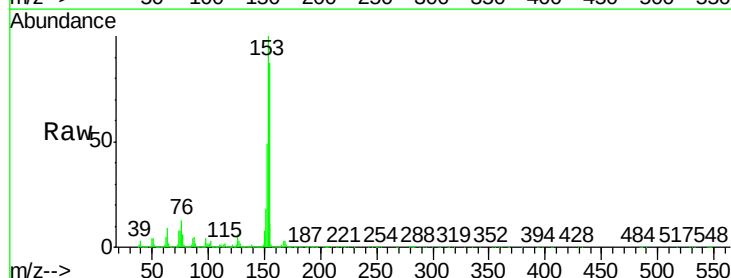
RT: 14.59 min Scan# 1956

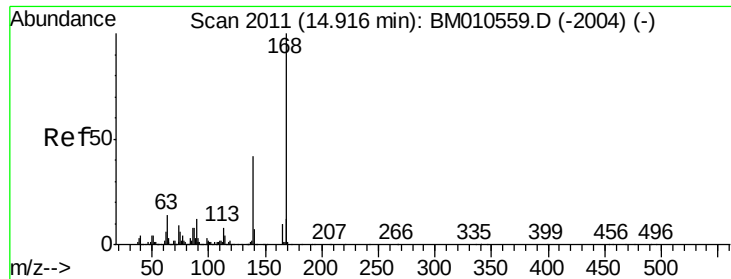
Delta R.T. 0.01 min

Lab File: BM010569.D

Acq: 13 Jun 2017 20:32

Tgt Ion:	153	Resp:	10709970
Ion Ratio	Lower	Upper	
153	100		
152	48.8	37.6	56.4
154	87.3	70.4	105.6





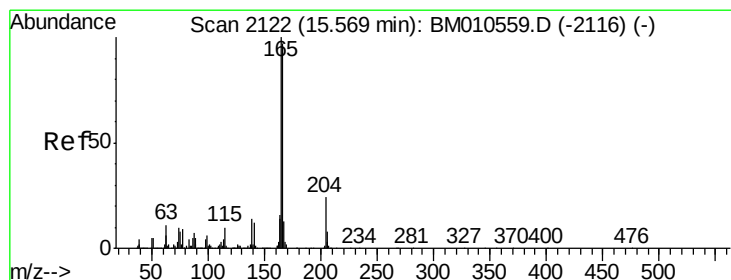
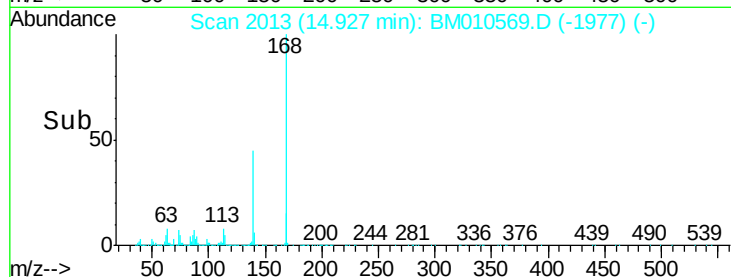
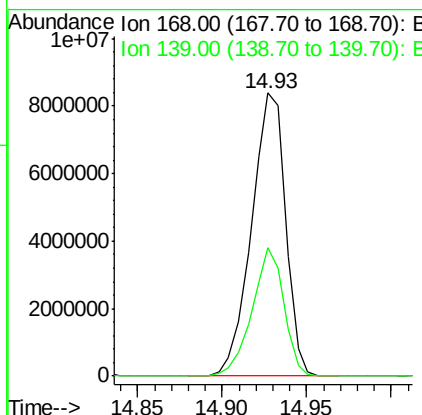
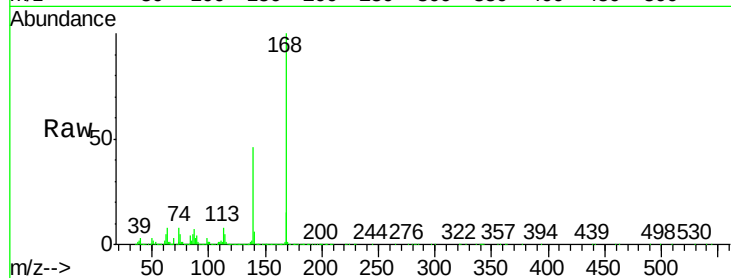
#53
Dibenzenofuran
Concen: 379.569 ng/ul
RT: 14.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BM010569.D
Acq: 13 Jun 2017 20:32

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:168 Resp:11794593
Ion Ratio Lower Upper
168 100
139 45.6 30.8 46.2

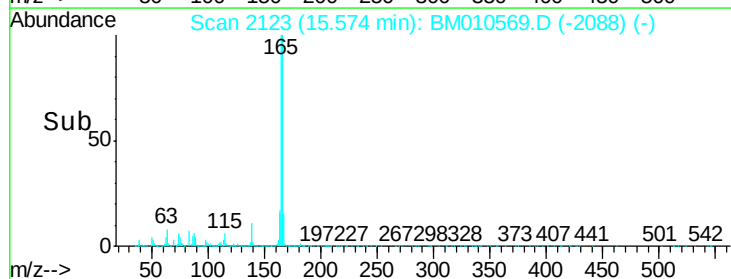
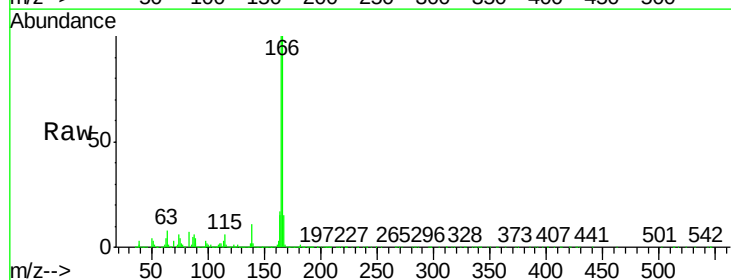
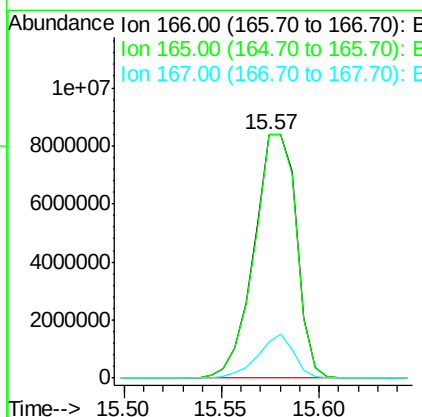
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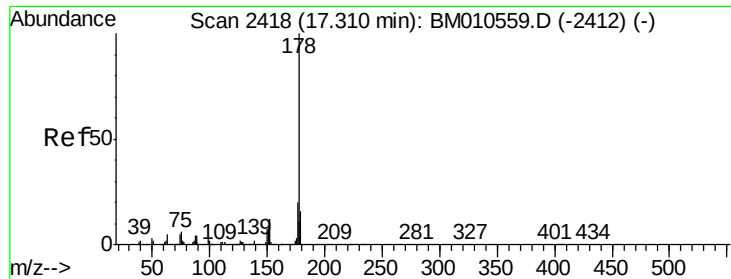
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#58
Fluorene
Concen: 494.135 ng/ul
RT: 15.57 min Scan# 2123
Delta R.T. 0.01 min
Lab File: BM010569.D
Acq: 13 Jun 2017 20:32

Tgt Ion:166 Resp:12595048
Ion Ratio Lower Upper
166 100
165 100.0 77.9 116.9
167 15.0 10.6 16.0





#69

Phenanthrene

Concen: 529.254 ng/ul m

RT: 17.32 min Scan# 2419

Delta R.T. 0.01 min

Lab File: BM010569.D

Acq: 13 Jun 2017 20:32

Instrument :

BNA_M

ClientSampleId :

F5D33

Tgt Ion:178 Resp:24713796

Ion Ratio Lower Upper

178 100

179 23.7 12.6 19.0#

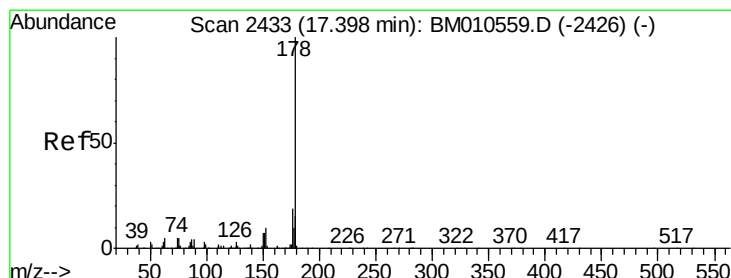
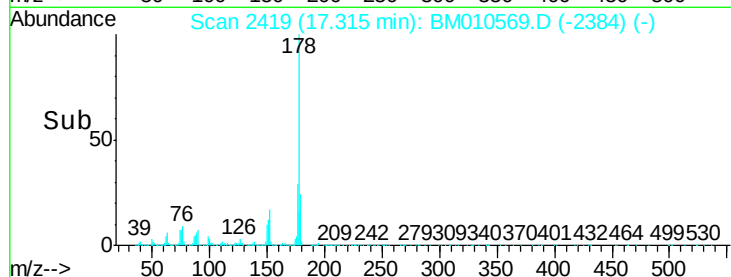
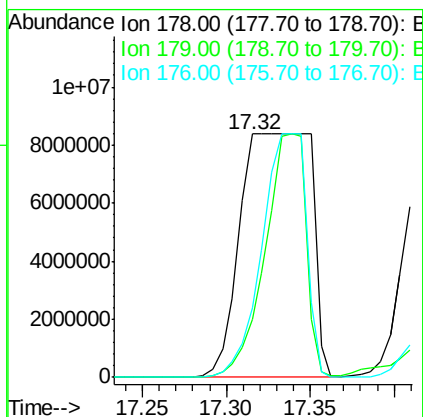
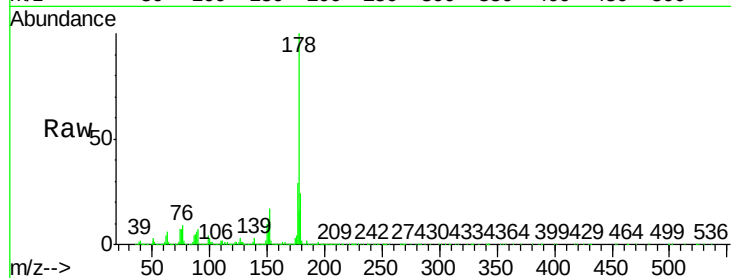
176 28.7 14.9 22.3#

Manual Integrations

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#71

Anthracene

Concen: 165.779 ng/ul

RT: 17.42 min Scan# 2436

Delta R.T. 0.02 min

Lab File: BM010569.D

Acq: 13 Jun 2017 20:32

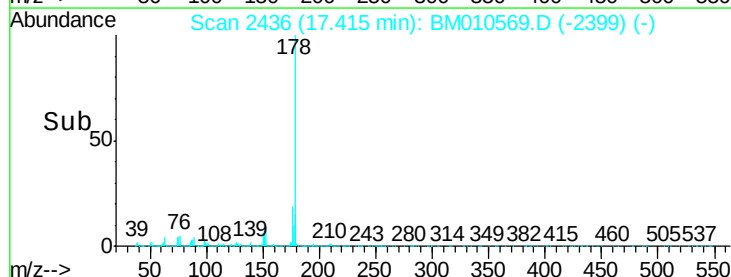
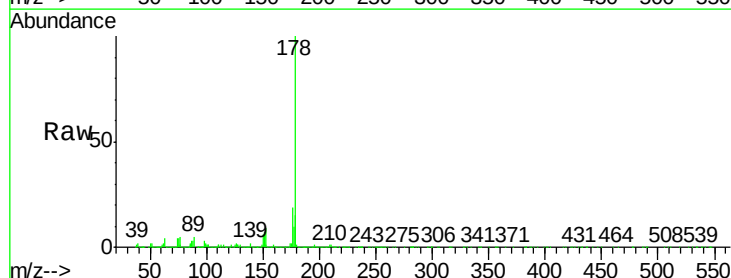
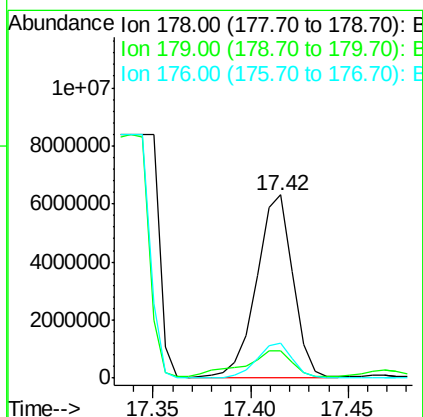
Tgt Ion:178 Resp: 8081464

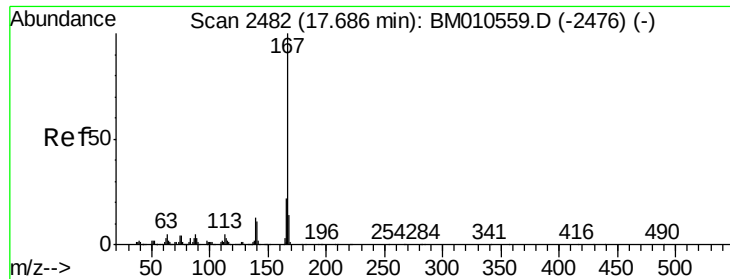
Ion Ratio Lower Upper

178 100

179 15.2 11.7 17.5

176 18.9 14.6 21.8





#72

Carbazole

Concen: 98.191 ng/ul

RT: 17.69 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM010569.D

Acq: 13 Jun 2017 20:32

Instrument :

BNA_M

ClientSampleId :

F5D33

Tgt Ion:167 Resp: 4051513

Ion Ratio Lower Upper

167 100

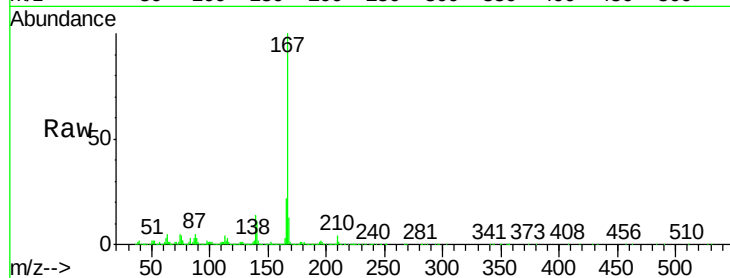
166 21.7 17.1 25.7

139 13.6 10.0 15.0

Manual Integrations
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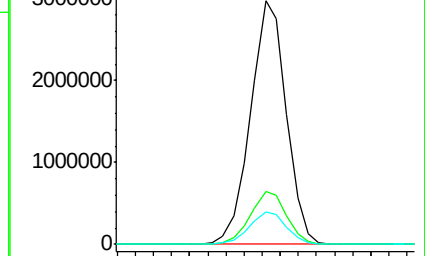
6/14/2017 2:57:34 PM



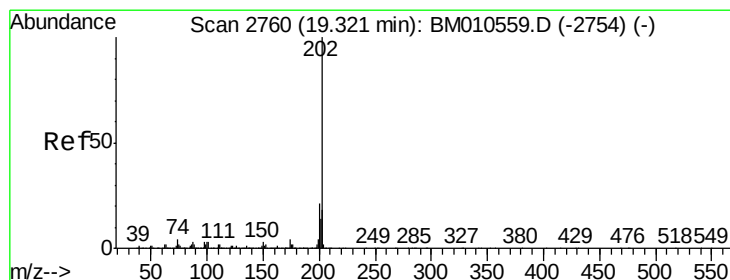
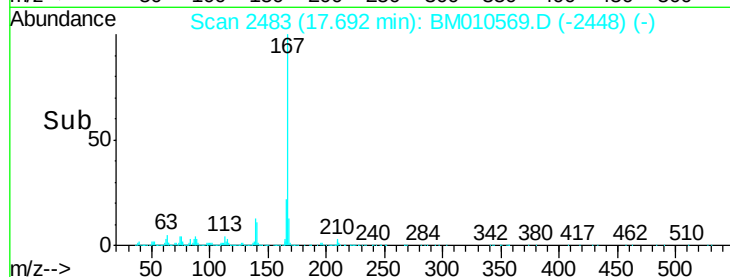
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 350.993 ng/ul m

RT: 19.32 min Scan# 2760

Delta R.T. -0.00 min

Lab File: BM010569.D

Acq: 13 Jun 2017 20:32

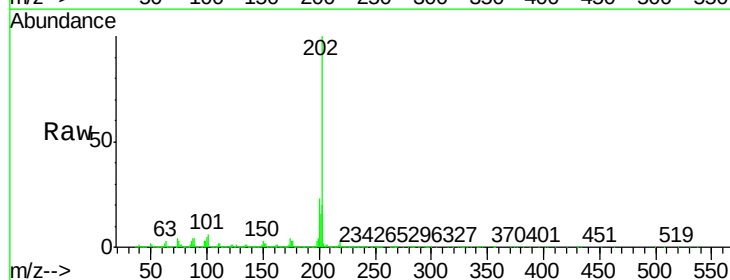
Tgt Ion:202 Resp:20154840

Ion Ratio Lower Upper

202 100

101 5.7 4.6 7.0

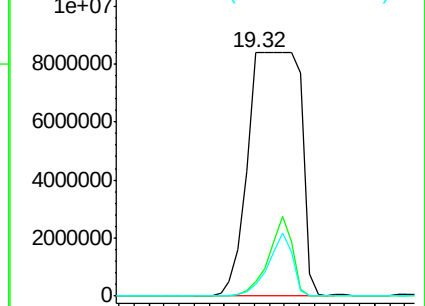
100 4.9 3.4 5.2



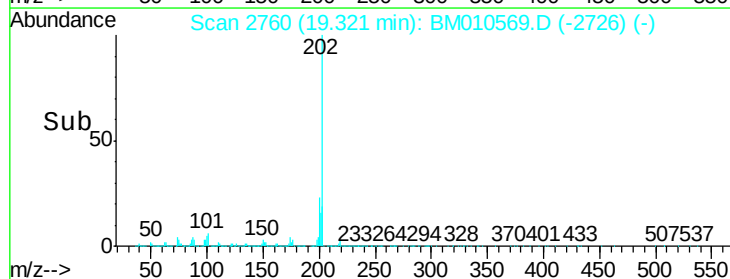
Abundance Ion 202.00 (201.70 to 202.70): E

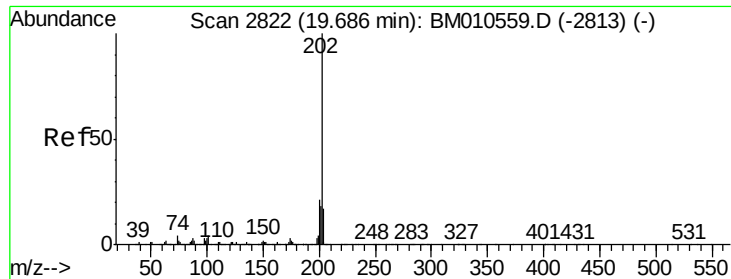
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#77

Pyrene

Concen: 237.367 ng/ul m

RT: 19.69 min Scan# 2823

Delta R.T. 0.01 min

Lab File: BM010569.D

Acq: 13 Jun 2017 20:32

Instrument :

BNA_M

ClientSampleId :

F5D33

Tgt Ion:202 Resp:17585017

Ion Ratio Lower Upper

202 100

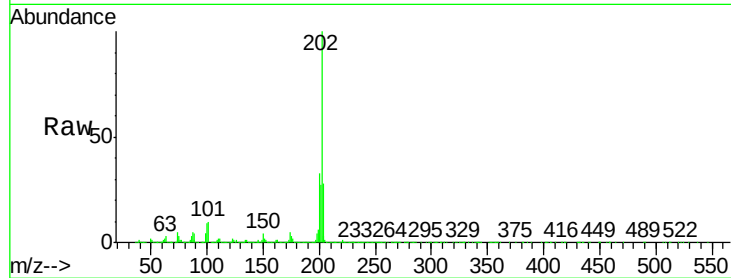
101 10.0 5.1 7.7#

100 8.7 4.9 7.3#

Manual Integrations
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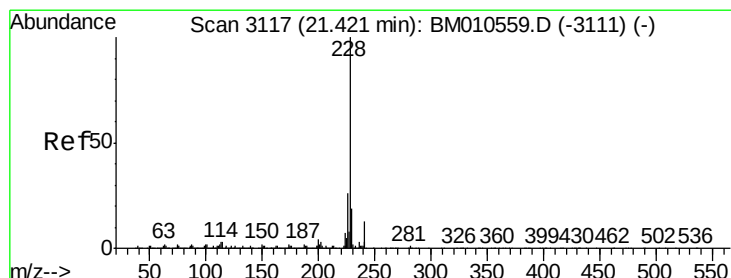
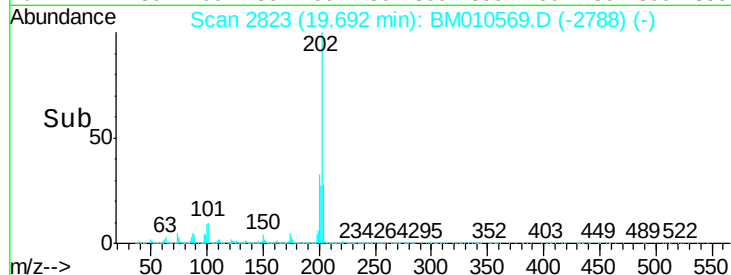
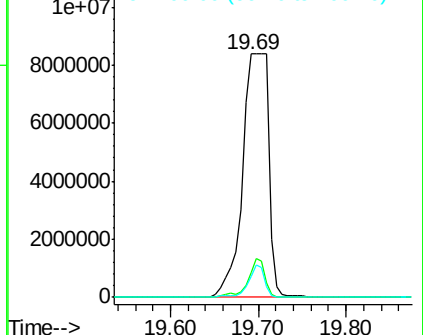
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 93.265 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. 0.01 min

Lab File: BM010569.D

Acq: 13 Jun 2017 20:32

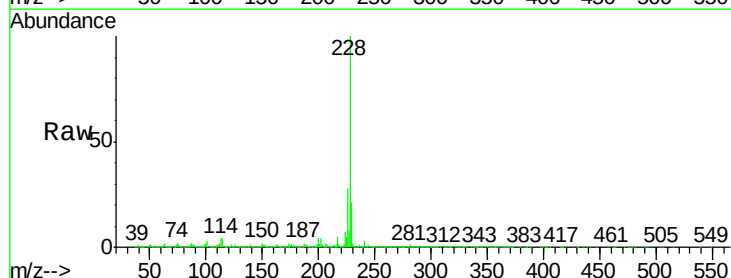
Tgt Ion:228 Resp: 7561113

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.0

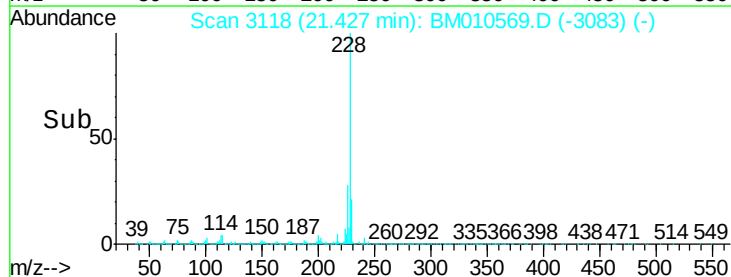
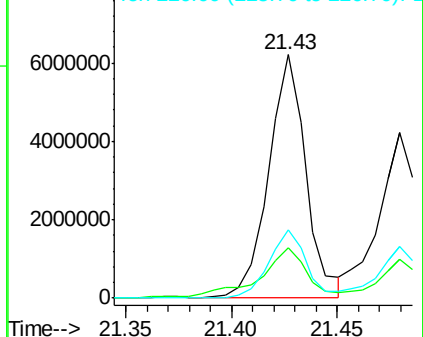
226 27.8 21.4 32.0

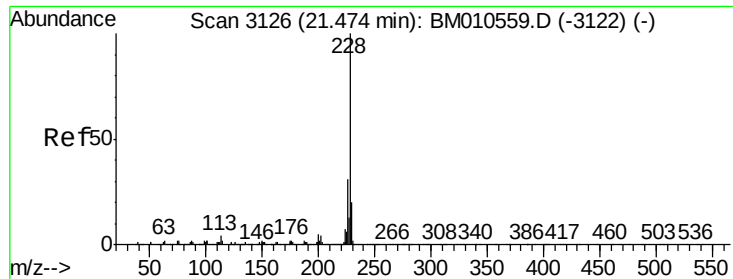


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





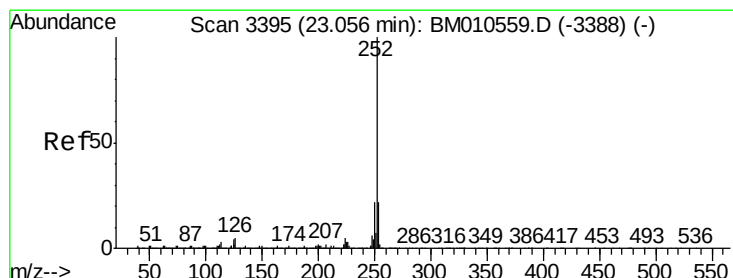
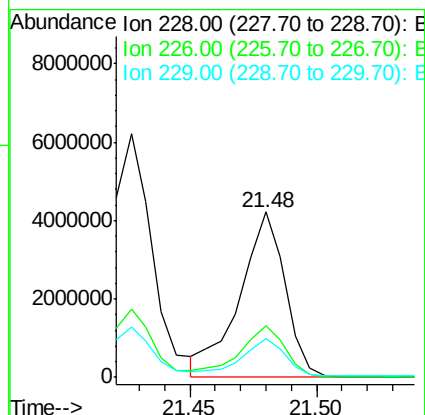
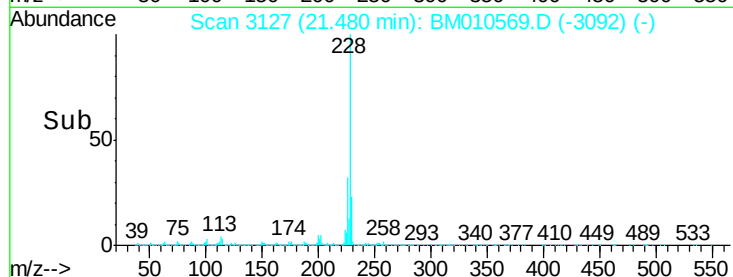
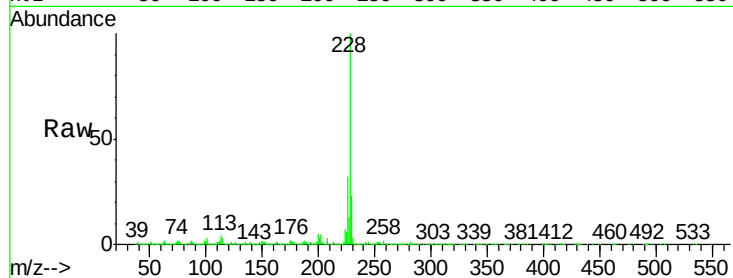
#82
Chrysene
Concen: 70.894 ng/uL
RT: 21.48 min Scan# 3127
Delta R.T. 0.01 min
Lab File: BM010569.D
Acq: 13 Jun 2017 20:32

Instrument :
BNA_M
ClientSampleId :
F5D33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.4	35.2
229	23.2	15.5	23.3

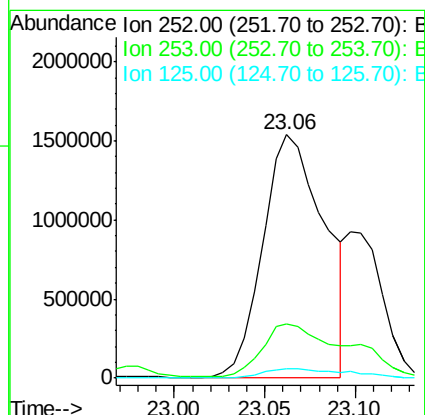
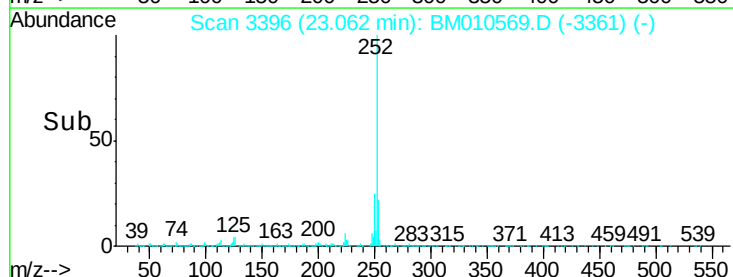
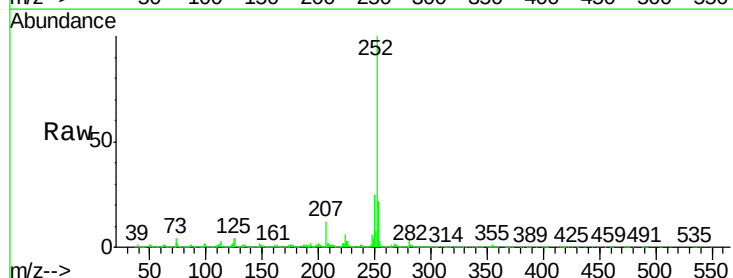
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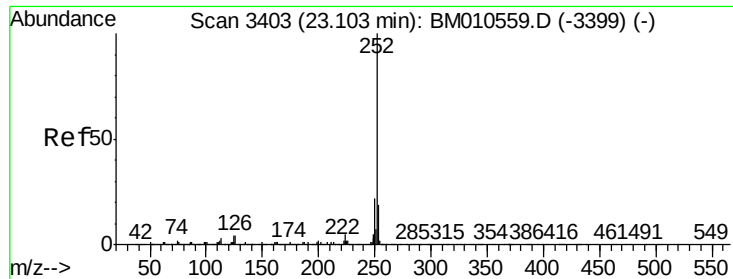
mohammad
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#85
Benzo(b)fluoranthene
Concen: 50.321 ng/uL
RT: 23.06 min Scan# 3396
Delta R.T. 0.01 min
Lab File: BM010569.D
Acq: 13 Jun 2017 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	3.9	3.6	5.4





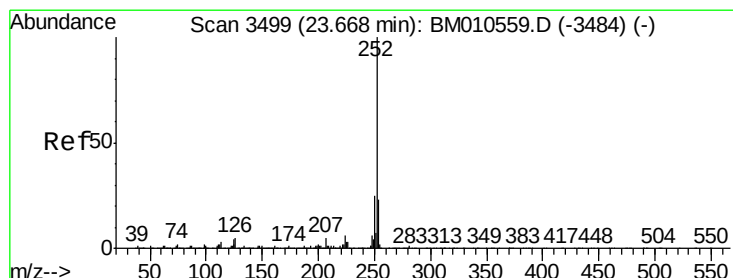
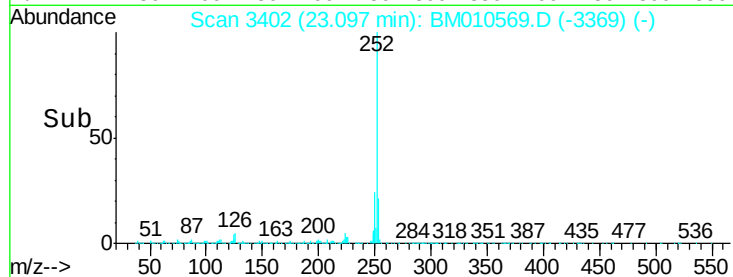
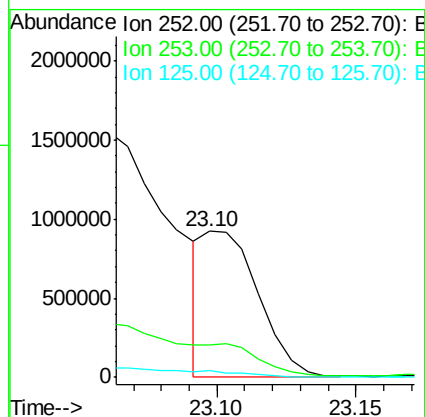
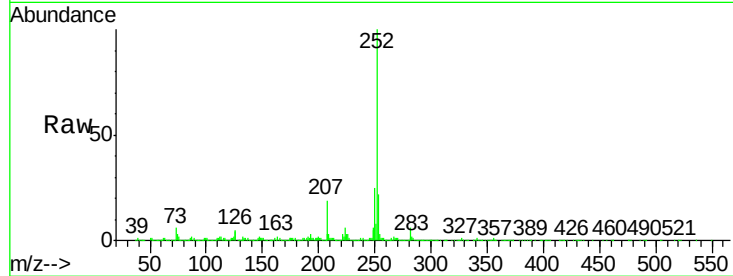
#86
Benzo(k)fluoranthene
Concen: 18.400 ng/ul m
RT: 23.10 min Scan# 3402
Delta R.T. -0.01 min
Lab File: BM010569.D
Acq: 13 Jun 2017 20:32

Instrument :
BNA_M
ClientSampleId :
F5D33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	4.2	3.4	5.2

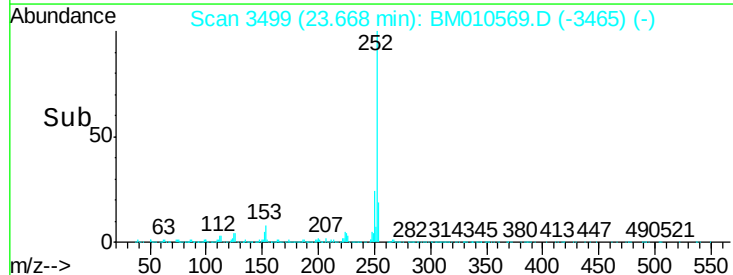
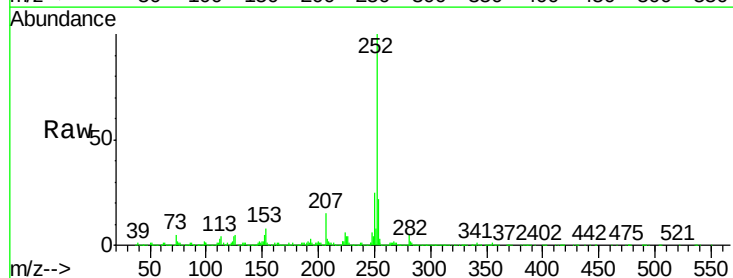
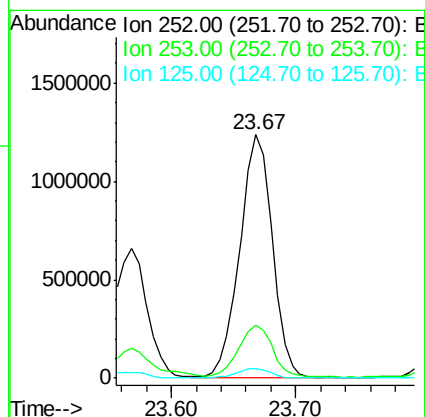
Manual Integrations
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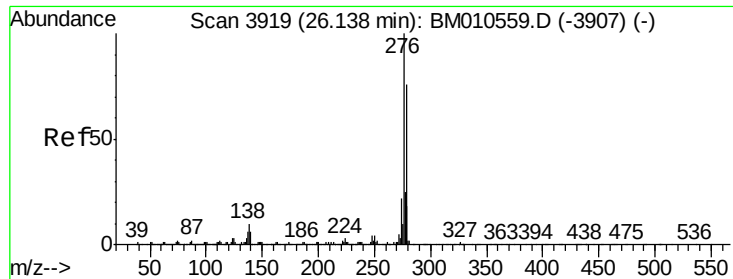
mohammad
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#88
Benzo(a)pyrene
Concen: 31.596 ng/ul m
RT: 23.67 min Scan# 3499
Delta R.T. -0.00 min
Lab File: BM010569.D
Acq: 13 Jun 2017 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	3.8	4.0	6.0





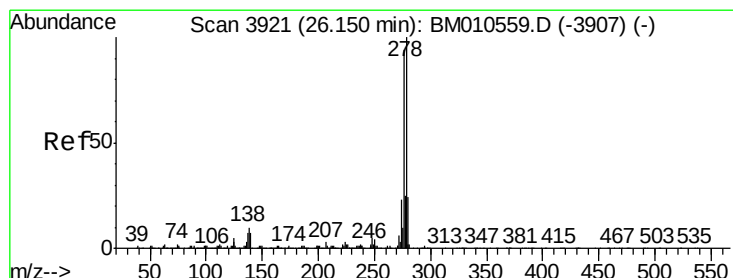
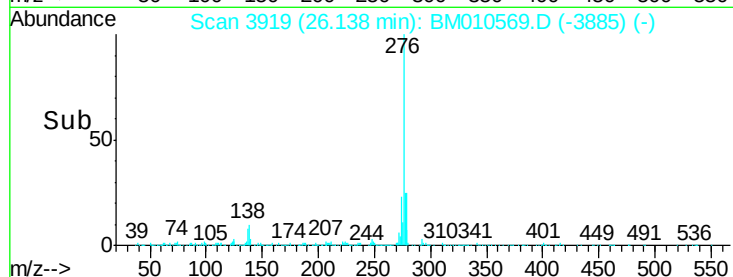
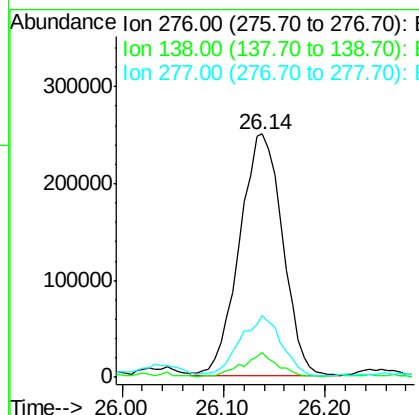
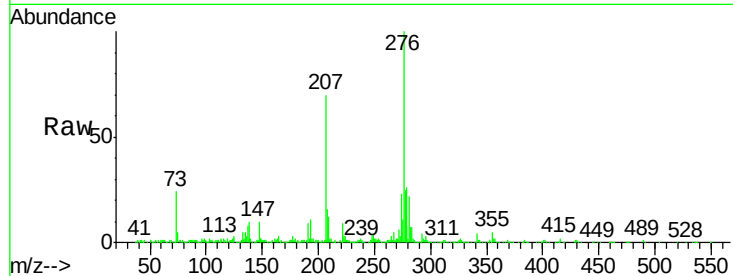
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 8.108 ng/ul
 RT: 26.14 min Scan# 3919
 Delta R.T. -0.00 min
 Lab File: BM010569.D
 Acq: 13 Jun 2017 20:32

Instrument :
 BNA_M
 ClientSampleId :
 F5D33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.2	9.3	13.9
277	25.5	19.9	29.9

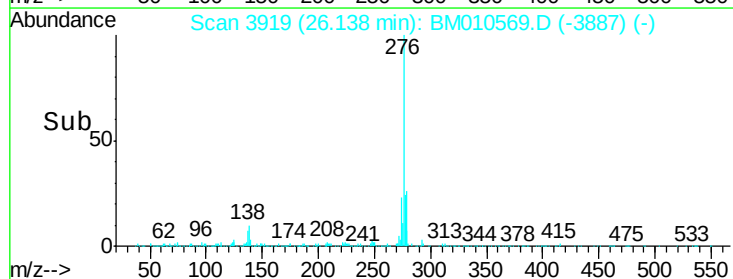
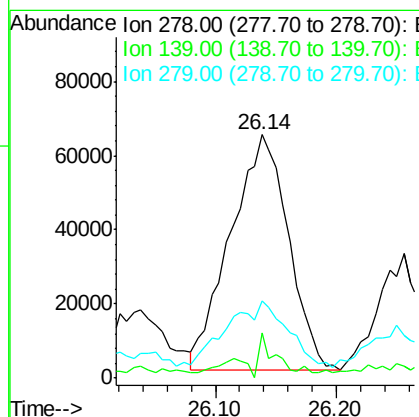
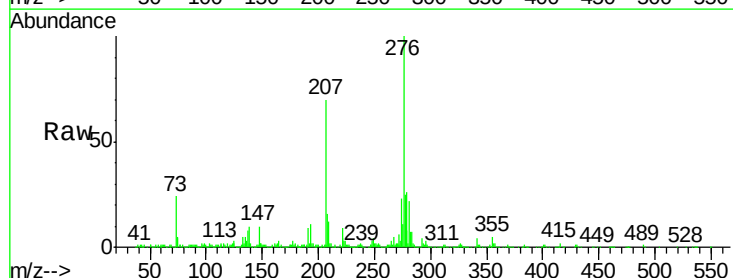
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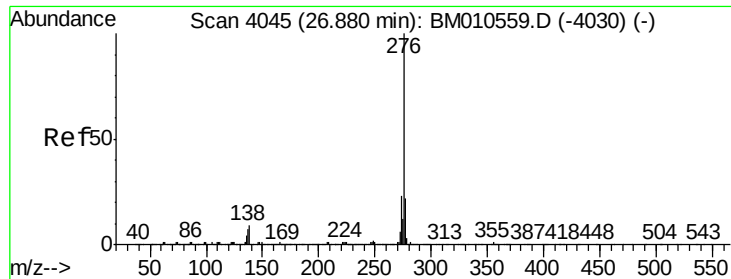
mohammad
 6/14/2017 2:57:34 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 2.705 ng/ul
 RT: 26.14 min Scan# 3919
 Delta R.T. -0.01 min
 Lab File: BM010569.D
 Acq: 13 Jun 2017 20:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	5.8	8.8#
279	31.7	18.6	27.8#





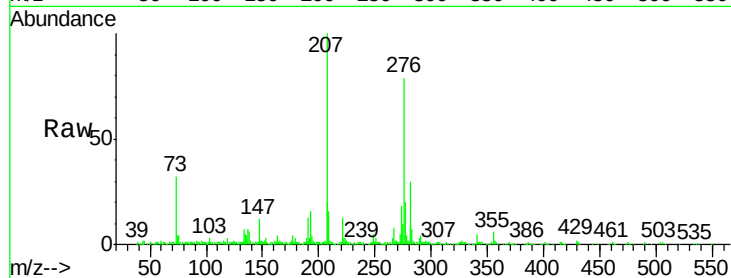
#91
 Benzo(g,h,i)perylene
 Concen: 6.112 ng/ul
 RT: 26.88 min Scan# 4045
 Delta R.T. -0.00 min
 Lab File: BM010569.D
 Acq: 13 Jun 2017 20:32

Instrument :
 BNA_M
 ClientSampleId :
 F5D33

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	7.5	8.5	12.7#
277	25.7	18.6	28.0

Manual Integrations
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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

