

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
 Data File : BM010565.D
 Acq On : 13 Jun 2017 18:06
 Operator : SJ/MA
 Sample : I3522-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5A62

Manual Integrations
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mohammad
 6/14/2017 2:57:15 PM

Quant Time: Jun 14 02:35:35 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	97189	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	314724	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	218116	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	578810	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1026693	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1060122	20.00	ng/ul	0.00

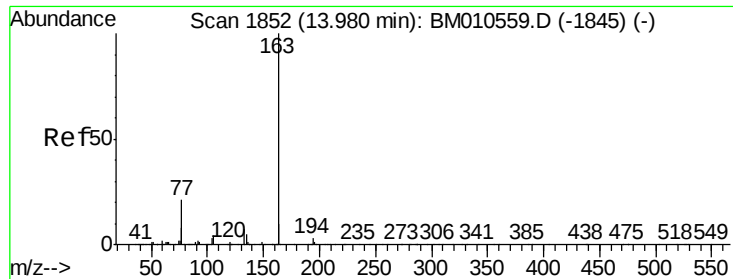
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	6201	2.62	ng/uL	0.00
5) Phenol-d5	7.06	99	94960	12.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	55089	13.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	87251	14.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	77764	13.09	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	37150	16.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.77	143	49938	18.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	106520	19.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	87298	16.49	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	346051	19.10	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	359720	17.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	35807	13.21	ng/ul	0.00
57) Fluorene-d10	15.51	176	302514	18.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	63551	15.50	ng/ul	0.00
70) Anthracene-d10	17.36	188	517205	18.36	ng/ul	0.00
76) Pyrene-d10	19.66	212	773817	18.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	915924	18.56	ng/ul	0.00

Target Compounds

					Qvalue	
44) Dimethylphthalate	13.98	163	291485	16.355	ng/ul	99
47) Acenaphthylene	14.25	152	90783	4.394	ng/ul	99
49) Acenaphthene	14.58	153	18049	1.246	ng/ul#	86
53) Dibenzofuran	14.92	168	32944	1.538	ng/ul	97
58) Fluorene	15.56	166	51853	2.950	ng/ul	90
69) Phenanthrene	17.31	178	2023966	65.501	ng/ul	98
71) Anthracene	17.40	178	338644	10.498	ng/ul	97
72) Carbazole	17.69	167	33757	1.236	ng/ul#	83
74) Fluoranthene	19.32	202	5892859	155.083	ng/ul#	96
77) Pyrene	19.69	202	4147237	78.389	ng/ul#	95
80) Benzo(a)anthracene	21.42	228	3337712	57.650	ng/ul	98
82) Chrysene	21.47	228	2977425	56.890	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	3513941	56.964	ng/ul	98
86) Benzo(k)fluoranthene	23.10	252	1318181m	22.369	ng/ul	
88) Benzo(a)pyrene	23.67	252	2282615m	37.331	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.14	276	1325497	17.158	ng/ul	97
90) Dibenzo(a,h)anthracene	26.14	278	432496	6.500	ng/ul#	84
91) Benzo(g,h,i)perylene	26.89	276	1059399	16.646	ng/ul	98

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



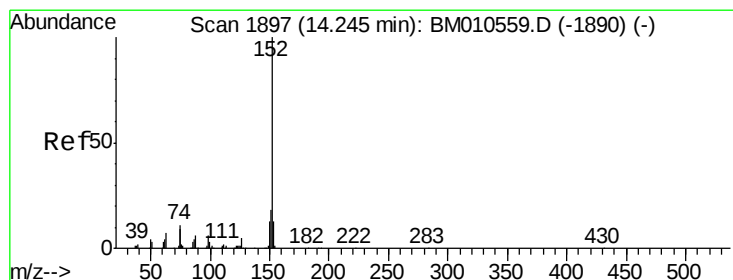
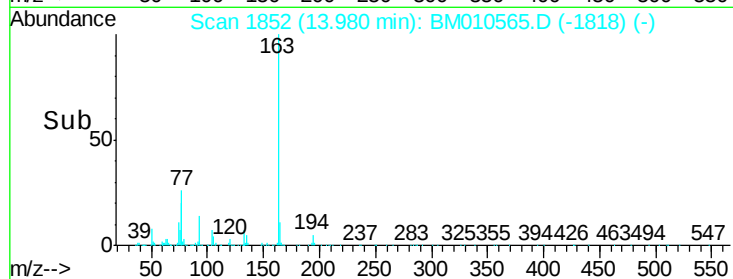
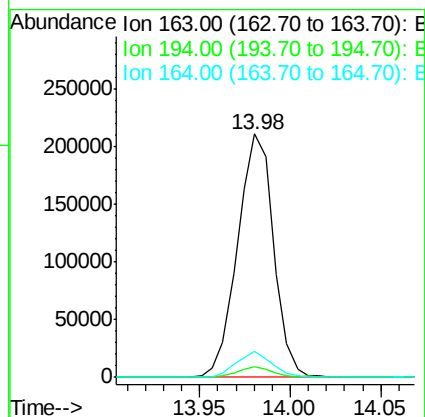
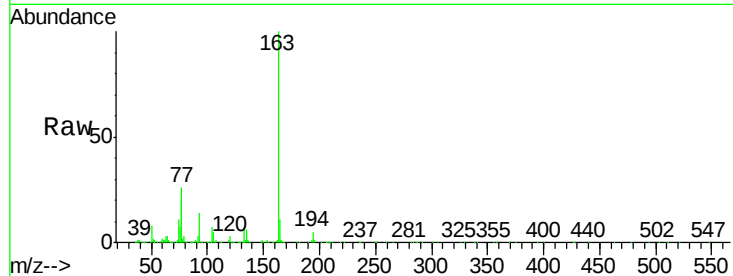
#44
Dimethylphthalate
Concen: 16.355 ng/ul
RT: 13.98 min Scan# 1852
Delta R.T. 0.00 min
Lab File: BM010565.D
Acq: 13 Jun 2017 18:06

Instrument :
BNA_M
ClientSampled :
F5A62

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.7	8.2	12.4

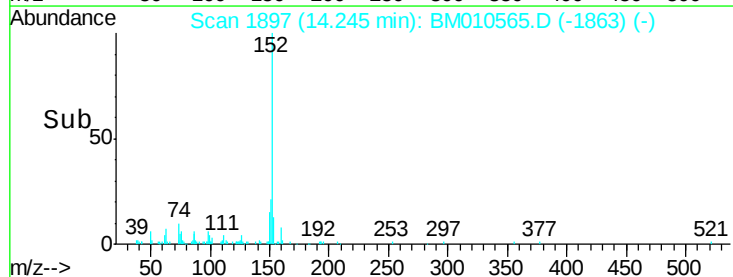
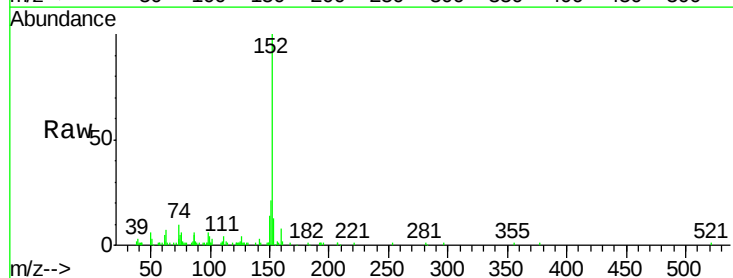
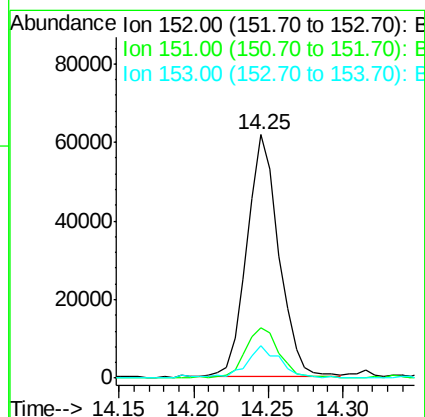
Manual Integrations
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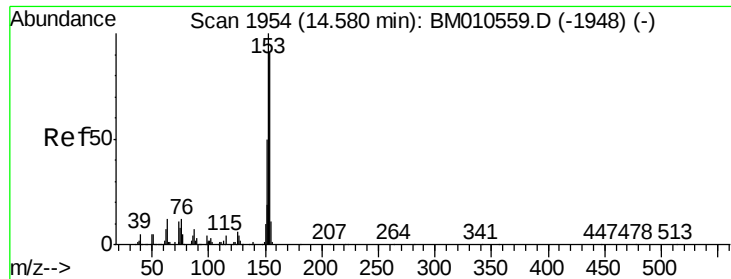
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#47
Acenaphthylene
Concen: 4.394 ng/ul
RT: 14.25 min Scan# 1897
Delta R.T. 0.00 min
Lab File: BM010565.D
Acq: 13 Jun 2017 18:06

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	20.9	16.3	24.5
153	13.2	10.2	15.4





#49

Acenaphthene

Concen: 1.246 ng/ul

RT: 14.58 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Instrument :

BNA_M

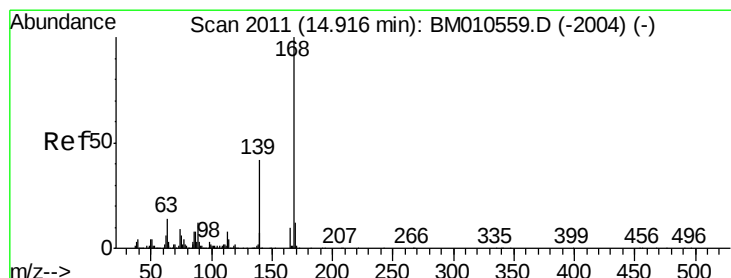
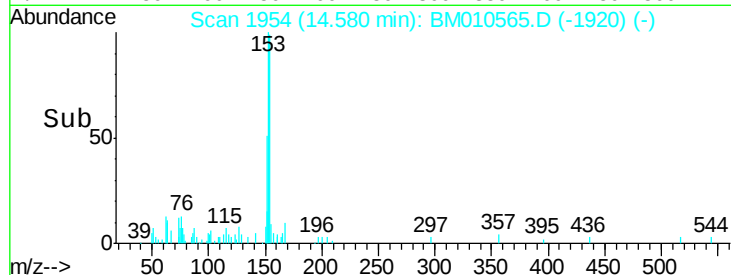
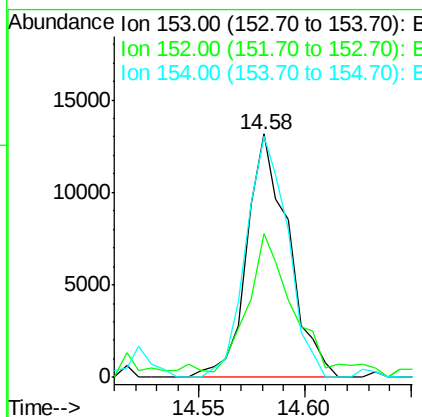
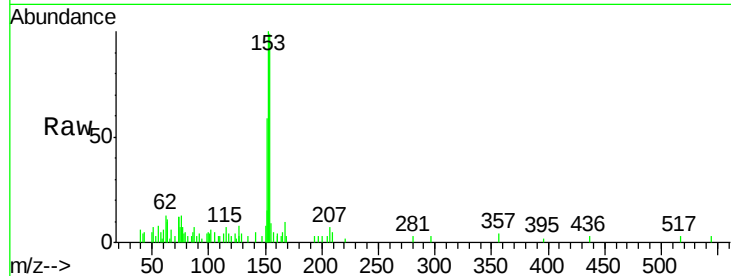
ClientSampleId :

F5A62

Tgt Ion:	153	Resp:	18049
Ion Ratio	Lower	Upper	
153	100		
152	59.2	37.6	56.4#
154	98.8	70.4	105.6

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#53

Dibenzofuran

Concen: 1.538 ng/ul

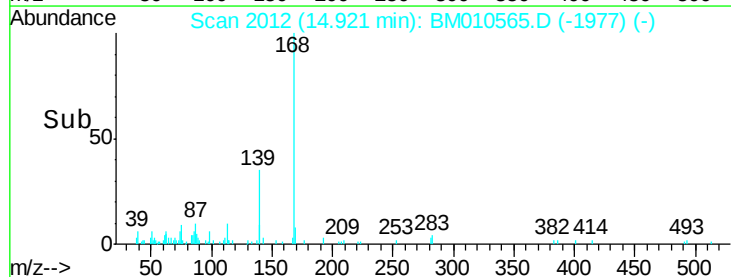
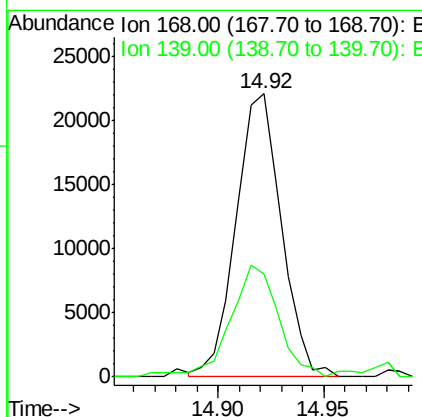
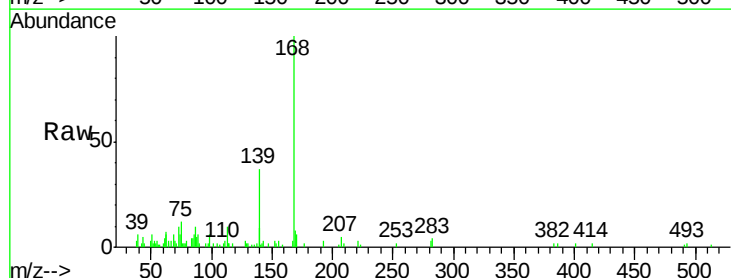
RT: 14.92 min Scan# 2012

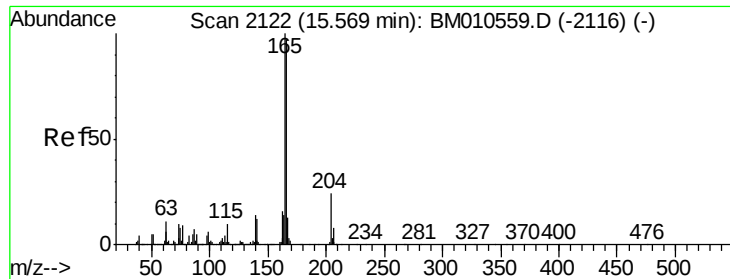
Delta R.T. 0.01 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Tgt Ion:	168	Resp:	32944
Ion Ratio	Lower	Upper	
168	100		
139	36.6	30.8	46.2





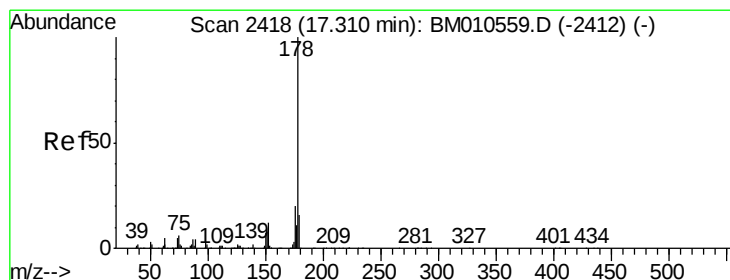
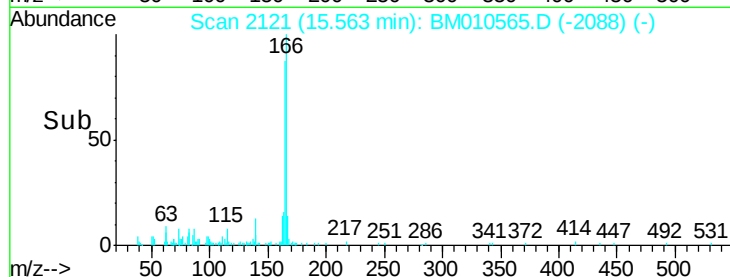
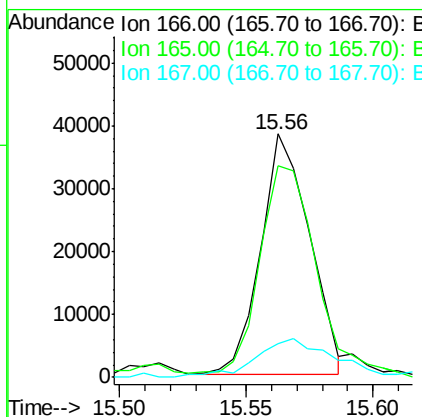
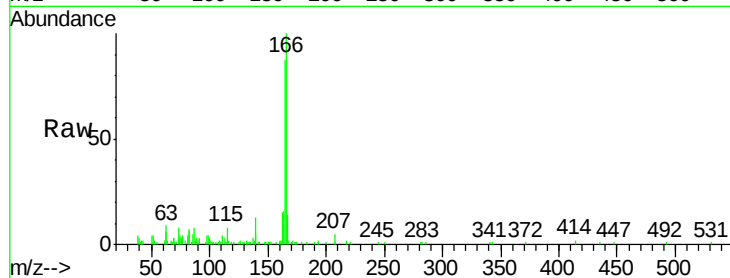
#58
Fluorene
 Concen: 2.950 ng/ul
 RT: 15.56 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BM010565.D
 Acq: 13 Jun 2017 18:06

Instrument :
 BNA_M
 ClientSampled :
 F5A62

Tgt Ion	Ratio	Lower	Upper
166	100		
165	86.8	77.9	116.9
167	14.0	10.6	16.0

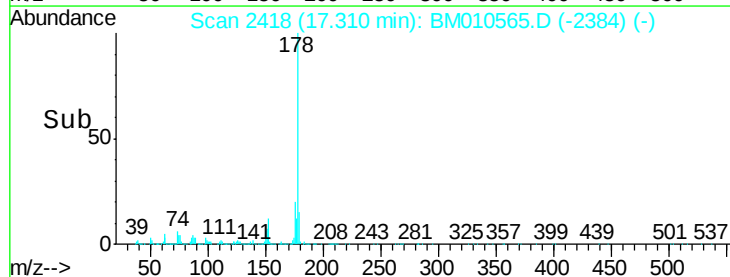
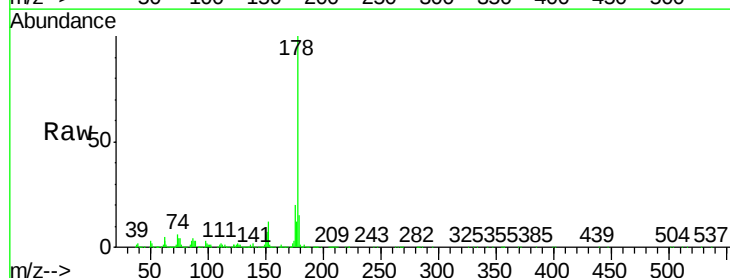
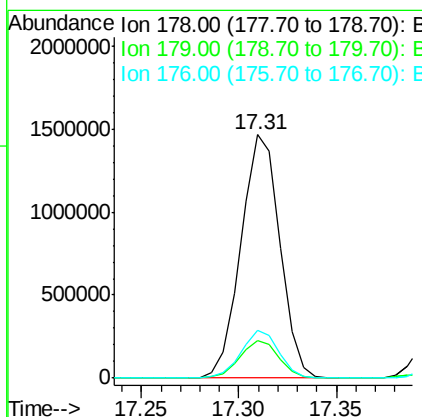
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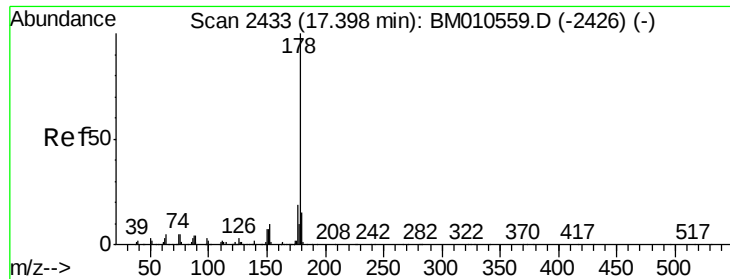
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#69
Phenanthrene
 Concen: 65.501 ng/ul
 RT: 17.31 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: BM010565.D
 Acq: 13 Jun 2017 18:06

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	19.7	14.9	22.3





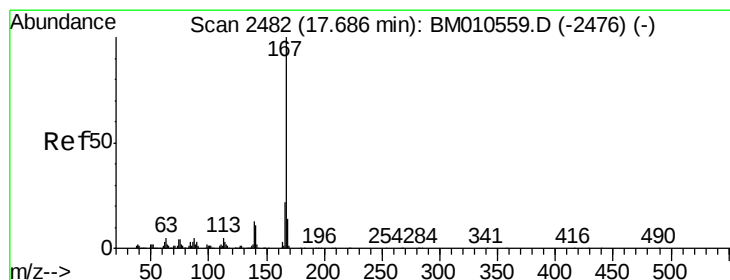
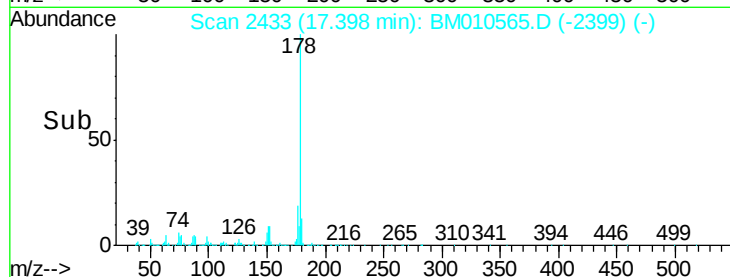
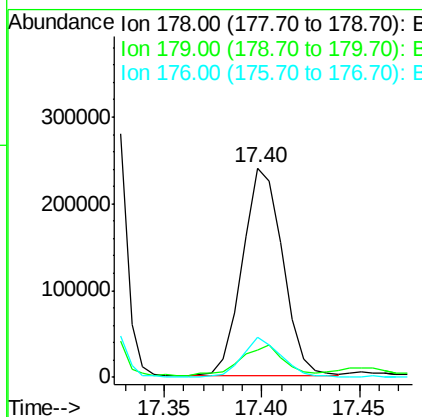
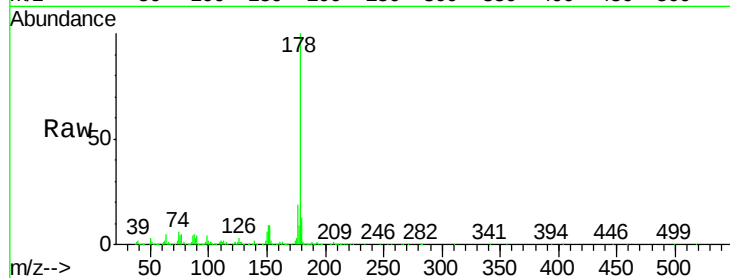
#71
 Anthracene
 Concen: 10.498 ng/ul
 RT: 17.40 min Scan# 2433
 Delta R.T. 0.00 min
 Lab File: BM010565.D
 Acq: 13 Jun 2017 18:06

Instrument :
 BNA_M
 ClientSampleId :
 F5A62

Tgt Ion	Ratio	Lower	Upper
178	100		
179	12.9	11.7	17.5
176	18.9	14.6	21.8

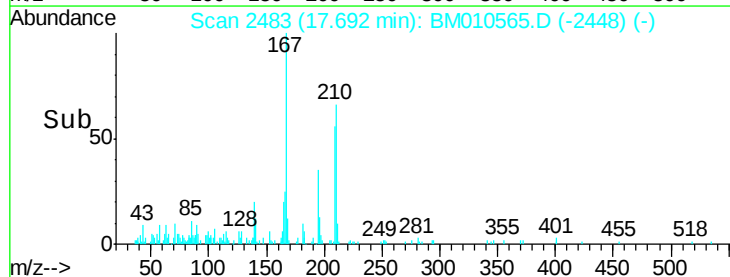
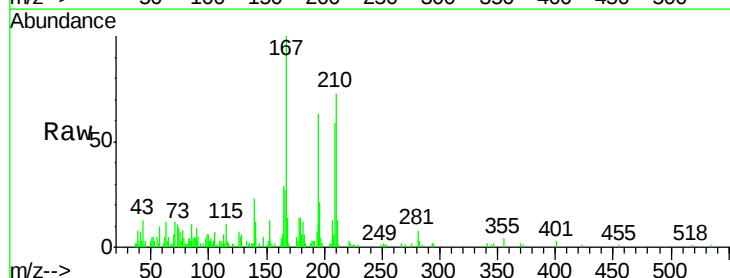
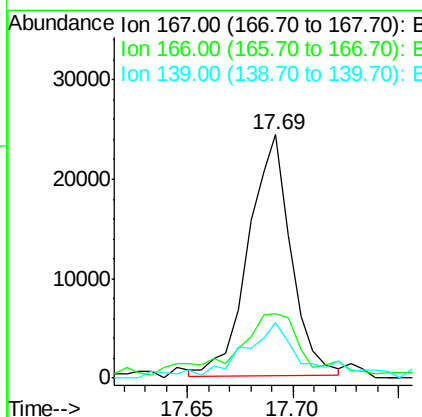
Manual Integrations
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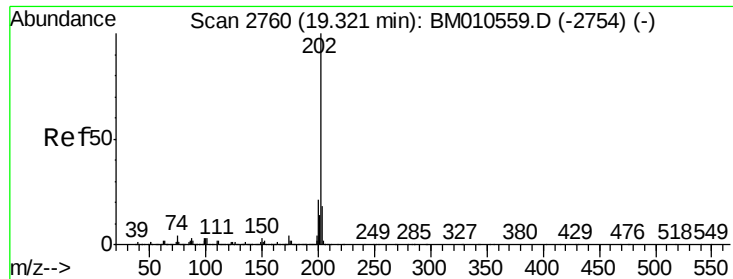
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#72
 Carbazole
 Concen: 1.236 ng/ul
 RT: 17.69 min Scan# 2483
 Delta R.T. 0.01 min
 Lab File: BM010565.D
 Acq: 13 Jun 2017 18:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.7	17.1	25.7#
139	22.9	10.0	15.0#





#74

Fluoranthene

Concen: 155.083 ng/ul

RT: 19.32 min Scan# 2760

Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Instrument :

BNA_M

ClientSampleId :

F5A62

Tgt Ion:202 Resp: 5892859

Ion Ratio Lower Upper

202 100

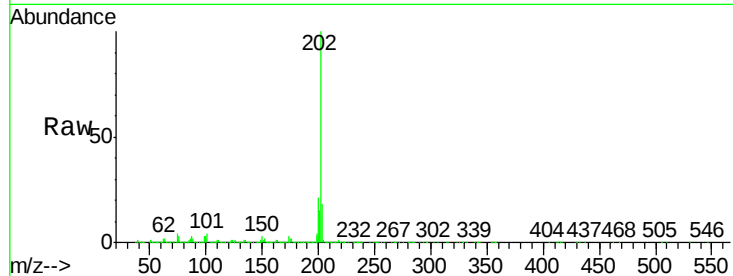
101 4.3 4.6 7.0#

100 3.5 3.4 5.2

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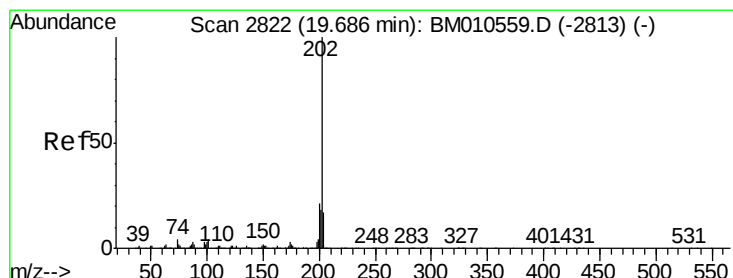
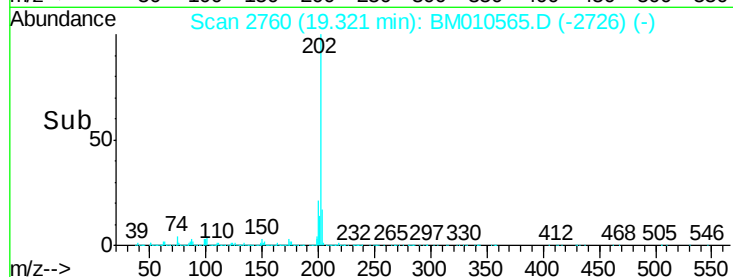
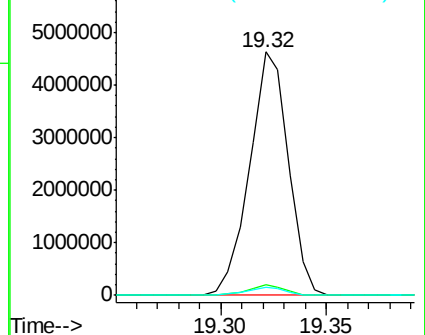
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 78.389 ng/ul

RT: 19.69 min Scan# 2822

Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

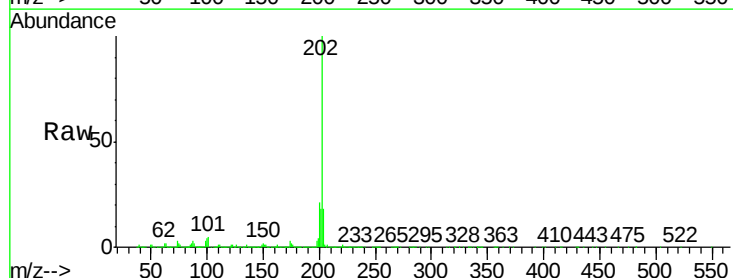
Tgt Ion:202 Resp: 4147237

Ion Ratio Lower Upper

202 100

101 4.5 5.1 7.7#

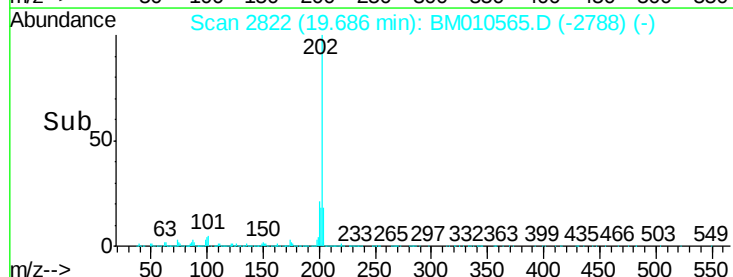
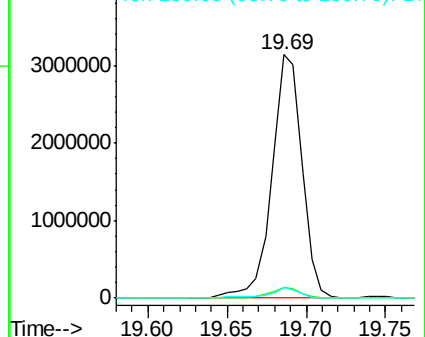
100 4.3 4.9 7.3#

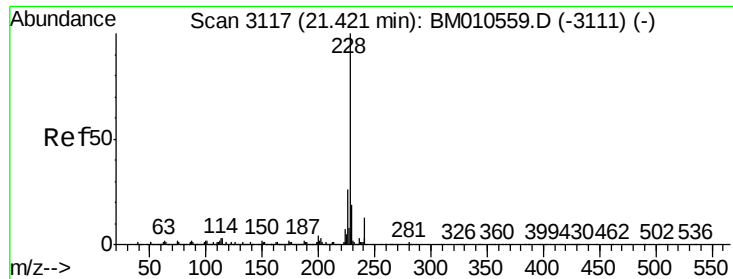


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





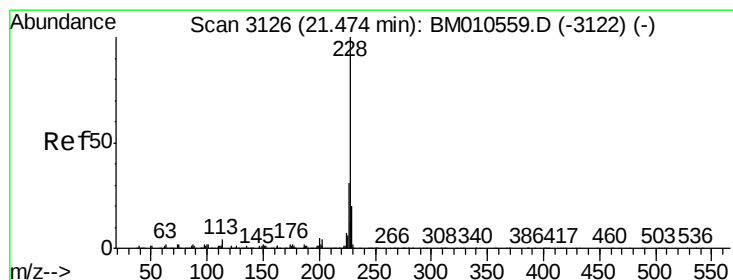
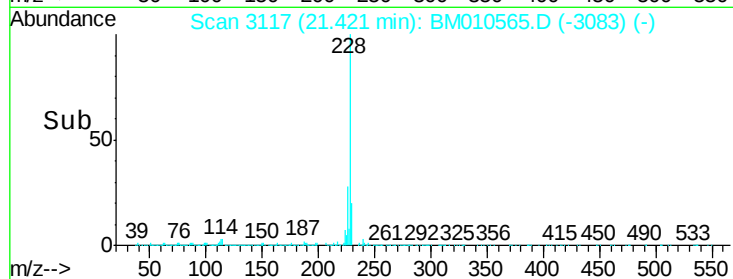
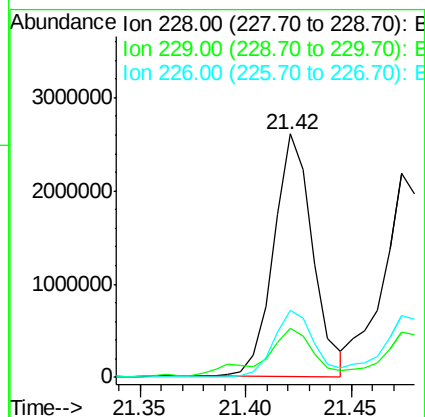
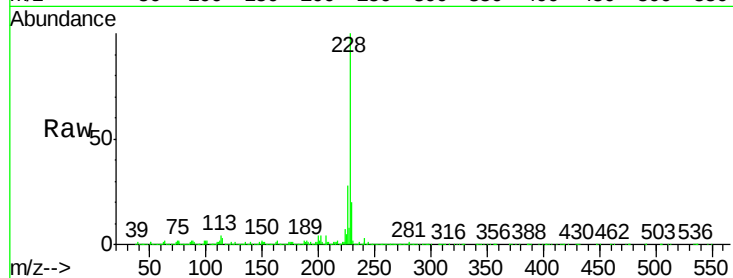
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Benzo(a)anthracene
Concen: 57.650 ng/u1
RT: 21.42 min Scan# 3117
Delta R.T. 0.00 min
Lab File: BM010565.D
Acq: 13 Jun 2017 18:06

Instrument :
BNA_M
ClientSampleId :
F5A62

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	27.7	21.4	32.0

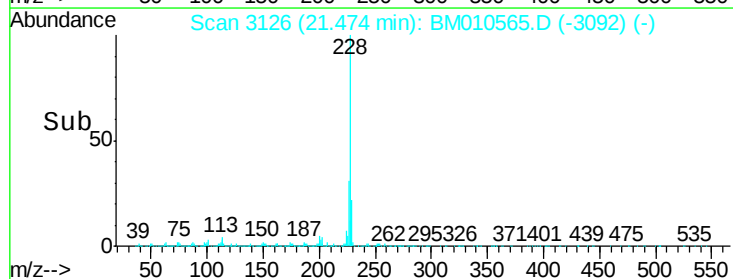
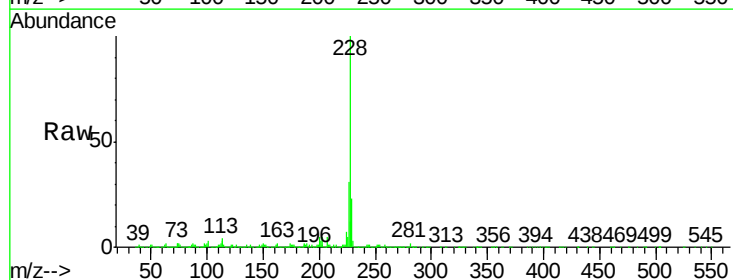
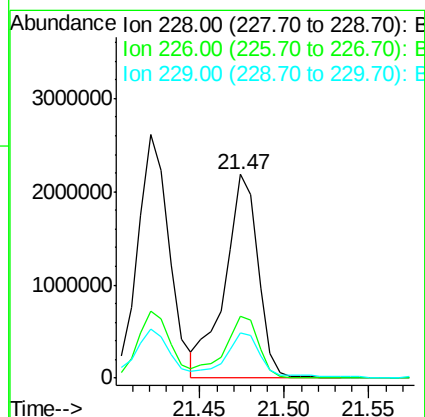
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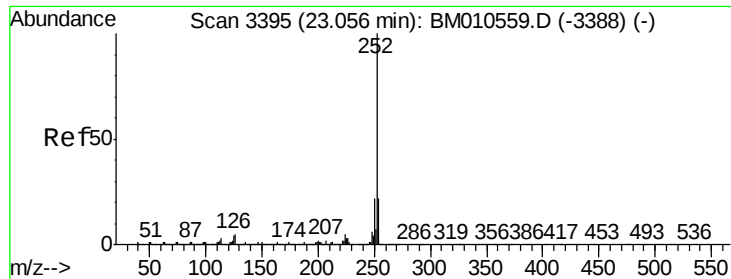
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#82
Chrysene
Concen: 56.890 ng/u1
RT: 21.47 min Scan# 3126
Delta R.T. 0.00 min
Lab File: BM010565.D
Acq: 13 Jun 2017 18:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.2
229	22.5	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 56.964 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. 0.01 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Instrument :

BNA_M

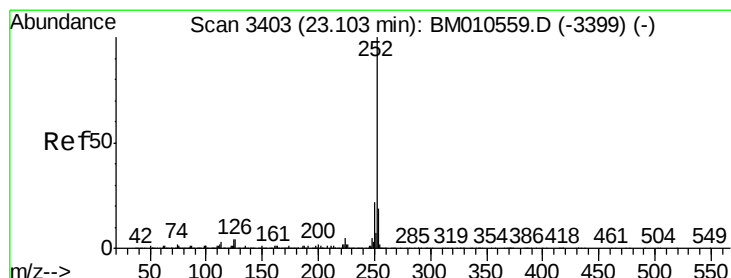
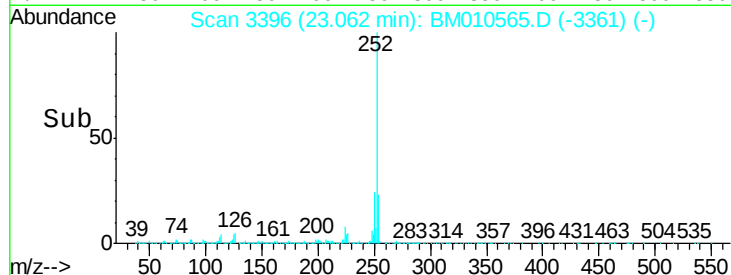
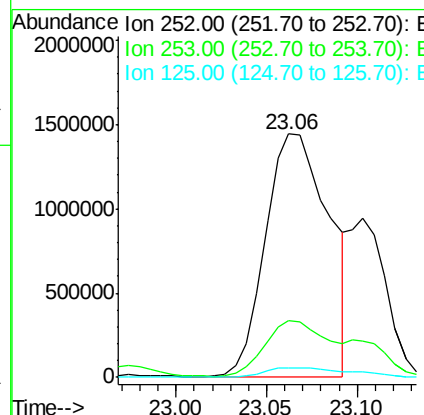
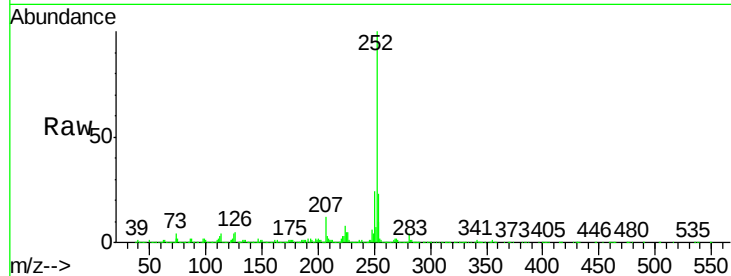
ClientSampleId :

F5A62

Tgt Ion:	252	Resp:	3513941
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	3.8	3.6	5.4

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 22.369 ng/ul m

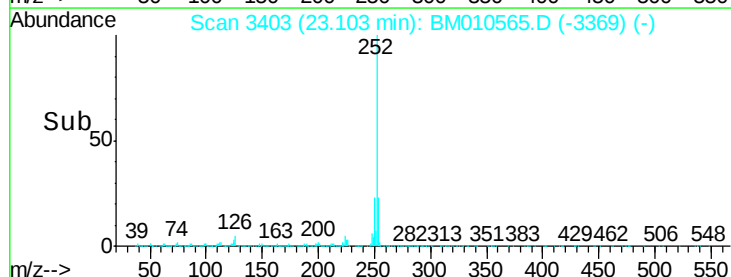
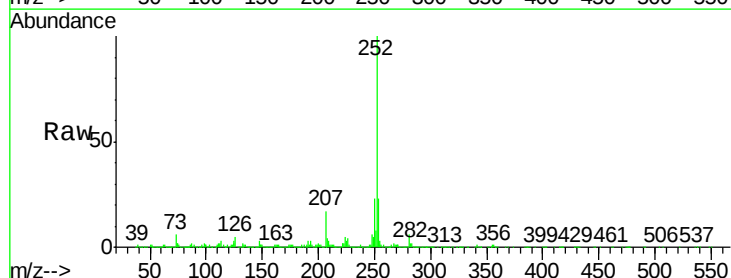
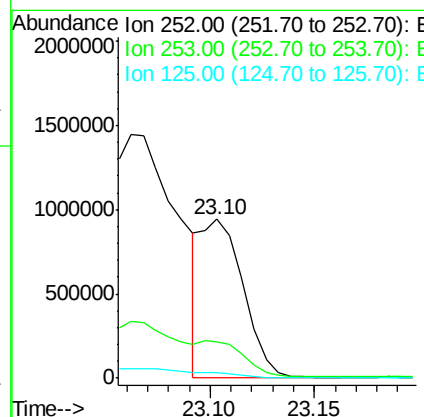
RT: 23.10 min Scan# 3403

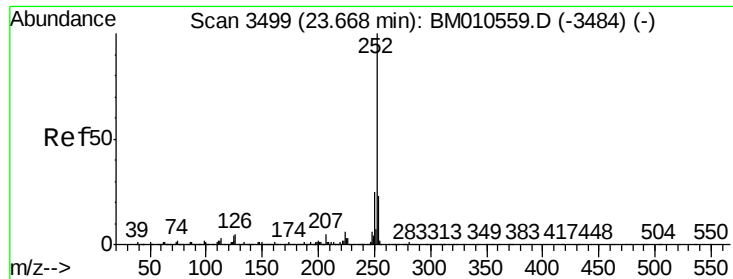
Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Tgt Ion:	252	Resp:	1318181
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.1	25.7
125	3.4	3.4	5.2#





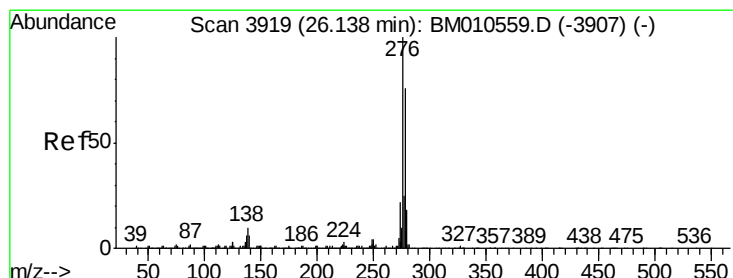
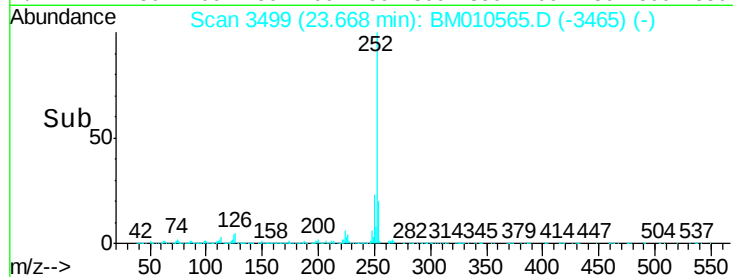
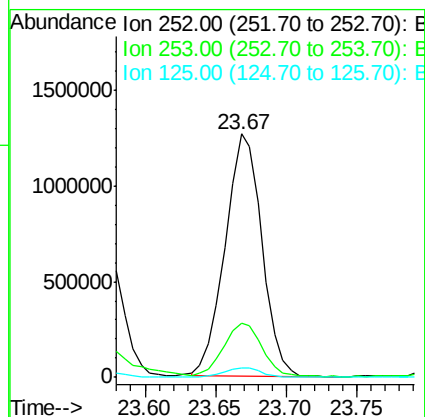
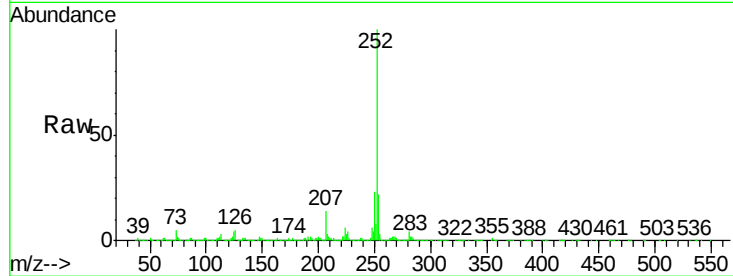
#88
Benzo(a)pyrene
Concen: 37.331 ng/ul m
RT: 23.67 min Scan# 3499
Delta R.T. 0.00 min
Lab File: BM010565.D
Acq: 13 Jun 2017 18:06

Instrument :
BNA_M
ClientSampleId :
F5A62

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	3.9	4.0	6.0

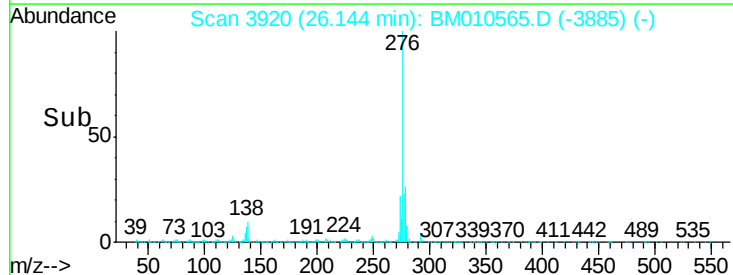
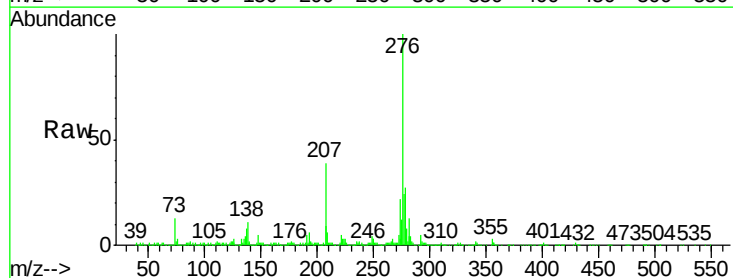
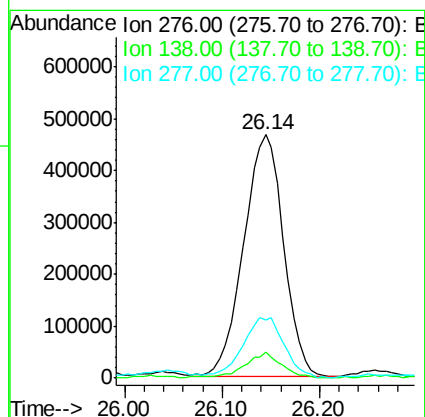
Manual Integrations
APPROVED

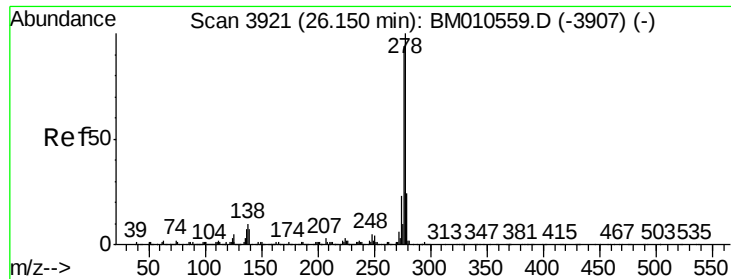
mohammad
6/14/2017 2:57:15 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 17.158 ng/ul
RT: 26.14 min Scan# 3920
Delta R.T. 0.01 min
Lab File: BM010565.D
Acq: 13 Jun 2017 18:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.5	9.3	13.9
277	23.6	19.9	29.9





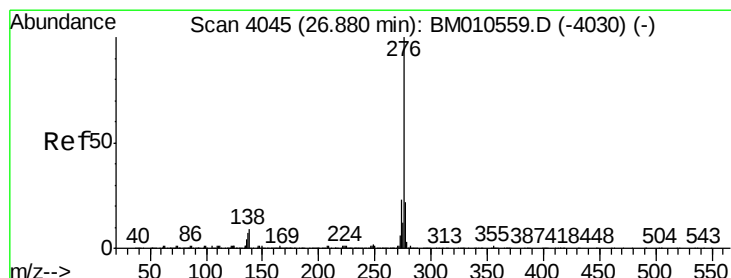
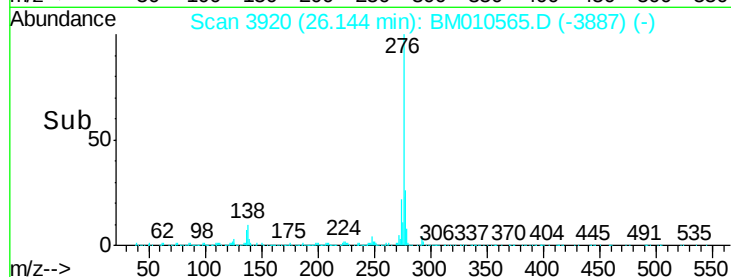
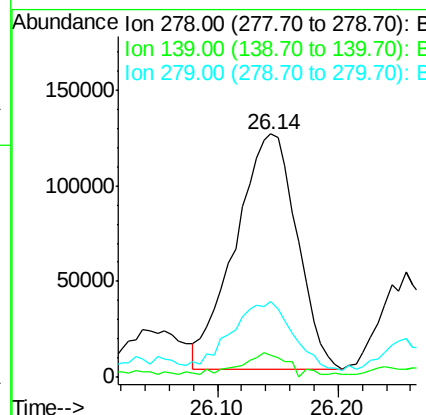
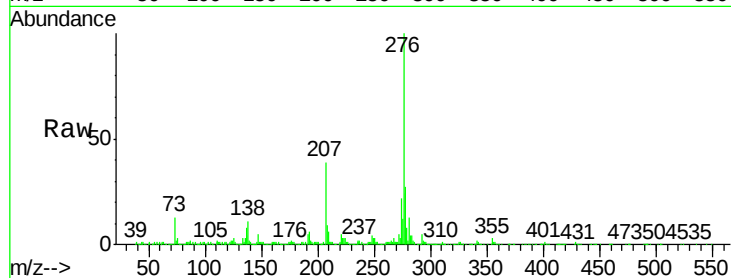
#90
Dibenzo(a,h)anthracene
Concen: 6.500 ng/ul
RT: 26.14 min Scan# 3920
Delta R.T. -0.01 min
Lab File: BM010565.D
Acq: 13 Jun 2017 18:06

Instrument :
BNA_M
ClientSampleId :
F5A62

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.5	5.8	8.8#
279	31.3	18.6	27.8#

Manual Integrations
APPROVED

mohammad
6/14/2017 2:57:15 PM



#91
Benzo(g,h,i)perylene
Concen: 16.646 ng/ul
RT: 26.89 min Scan# 4047
Delta R.T. 0.01 min
Lab File: BM010565.D
Acq: 13 Jun 2017 18:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.7	8.5	12.7
277	24.1	18.6	28.0

