

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
 Data File : BM012035.D
 Acq On : 10 Oct 2017 04:40
 Operator : SJ/JU
 Sample : I5533-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DUP-1

Manual Integrations
 APPROVED

Sohil
 10/10/2017 5:06:01 PM

Quant Time: Oct 10 07:51:29 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 02:27:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	303329	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1321761	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	807678	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	1933421	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2339169	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	2036669	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	24192	3.77	ng/uL	0.00
5) Phenol-d5	7.00	99	499546	19.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	315503	20.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	436395	20.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	390084	17.29	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	210219	22.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	241286	22.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	466926	21.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	461242	19.73	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	1589190	22.70	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	1940909	23.60	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	152607	12.48	ng/ul	0.00
57) Fluorene-d10	15.49	176	1405022	22.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	180101	13.84	ng/ul	0.00
70) Anthracene-d10	17.33	188	2207516	23.17	ng/ul	0.00
76) Pyrene-d10	19.63	212	2644280	25.06	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	2295255	23.43	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.03	94	53029	2.053	ng/ul#	86
44) Dimethylphthalate	13.95	163	354245	5.260	ng/ul	99
49) Acenaphthene	14.56	153	94450	1.711	ng/ul	98
58) Fluorene	15.54	166	98574	1.474	ng/ul	99
69) Phenanthrene	17.28	178	2573799	24.201	ng/ul	99
71) Anthracene	17.37	178	588059	5.434	ng/ul	98
72) Carbazole	17.64	167	101137	1.079	ng/ul	99
74) Fluoranthene	19.30	202	5056675	38.969	ng/ul#	91
77) Pyrene	19.66	202	4620626	35.625	ng/ul#	88
80) Benzo(a)anthracene	21.40	228	2662788	19.871	ng/ul	97
82) Chrysene	21.45	228	2295691	18.030	ng/ul	97
85) Benzo(b)fluoranthene	23.03	252	2744636	22.171	ng/ul#	97
86) Benzo(k)fluoranthene	23.07	252	832665m	6.737	ng/ul	
88) Benzo(a)pyrene	23.63	252	1863778	15.668	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.10	276	1027111	8.069	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.09	278	251439	2.404	ng/ul#	86
91) Benzo(g,h,i)perylene	26.82	276	868457	8.248	ng/ul#	94

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

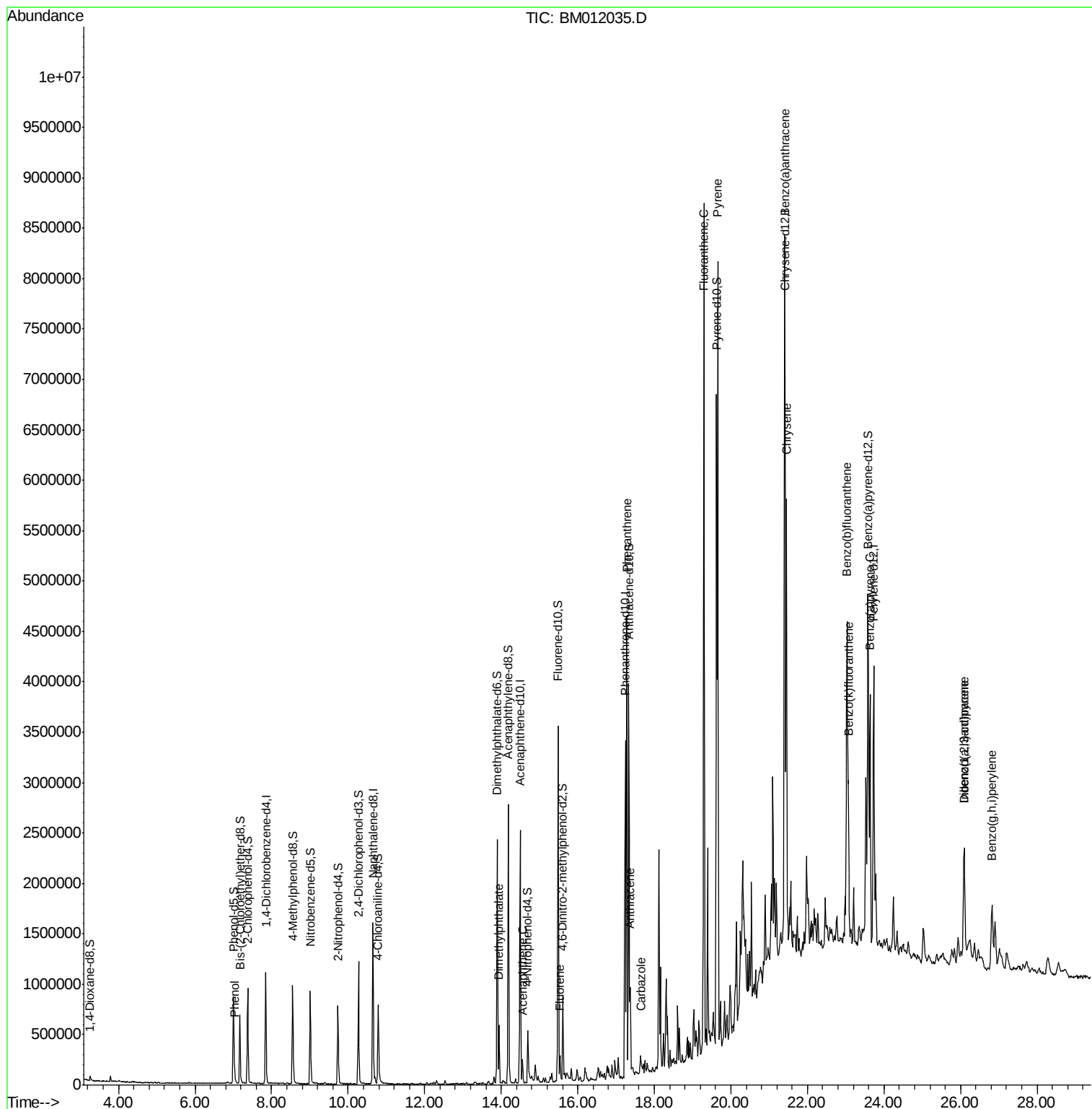
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012035.D
Acq On : 10 Oct 2017 04:40
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

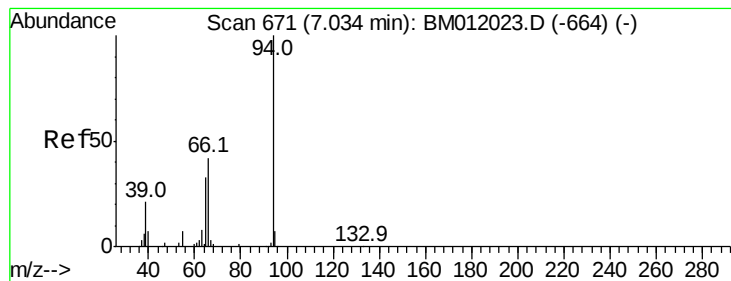
Instrument :
BNA_M
ClientSampled :
DUP-1

Quant Time: Oct 10 07:51:29 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 02:27:01 2017
Response via : Initial Calibration

Manual Integrations
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#6

Phenol

Concen: 2.053 ng/ul

RT: 7.03 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM012035.D

Acq: 10 Oct 2017 04:40

Instrument :

BNA_M

ClientSampled :

DUP-1

Tot Ion: 94 Resp: 53029

Ion Ratio Lower Upper

94 100

65 31.8 28.2 42.4

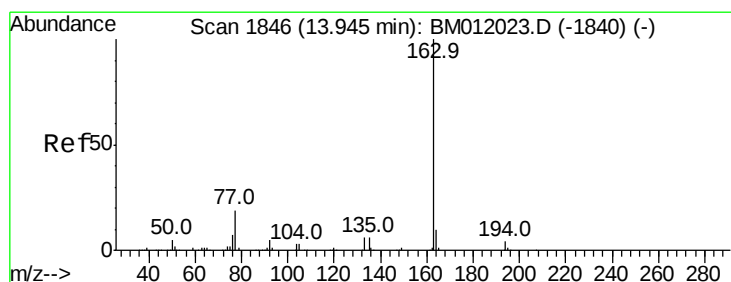
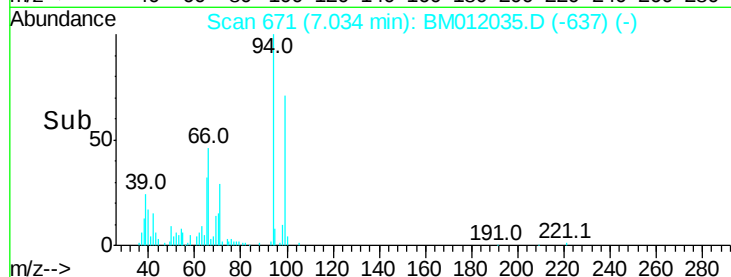
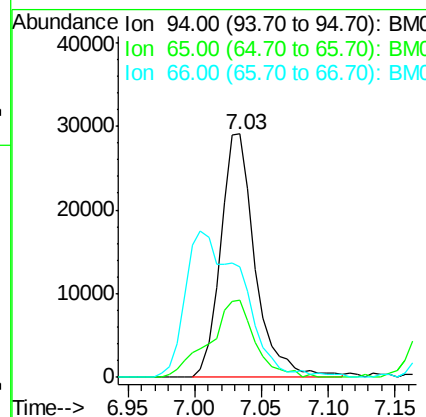
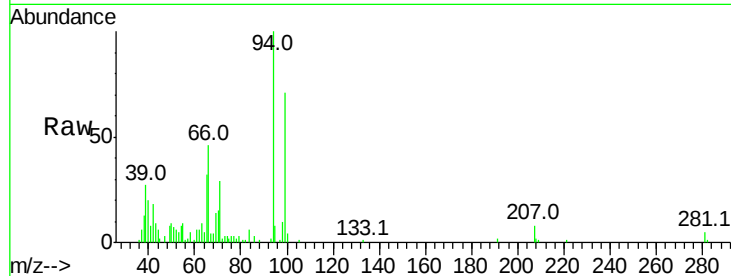
66 45.5 47.2 70.8#

Manual Integrations

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#44

Dimethylphthalate

Concen: 5.260 ng/ul

RT: 13.95 min Scan# 1846

Delta R.T. 0.00 min

Lab File: BM012035.D

Acq: 10 Oct 2017 04:40

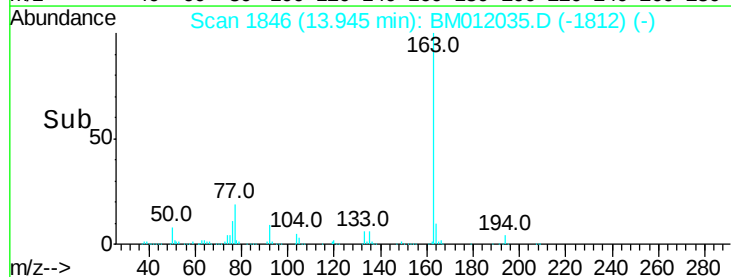
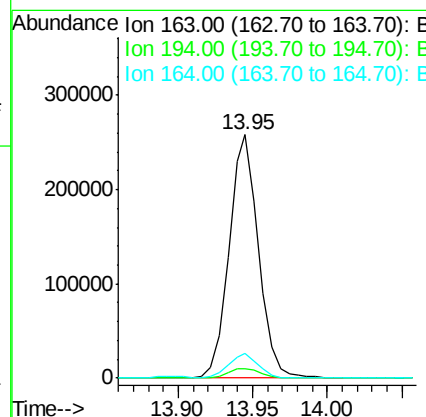
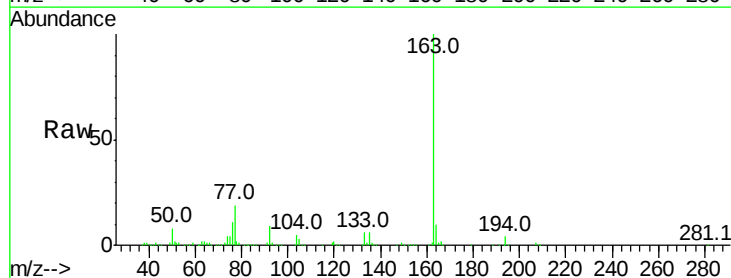
Tgt Ion: 163 Resp: 354245

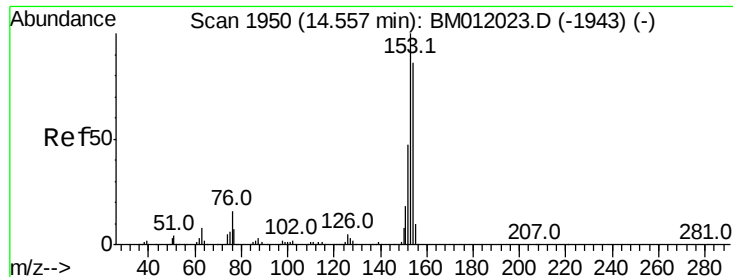
Ion Ratio Lower Upper

163 100

194 3.7 3.5 5.3

164 10.0 8.2 12.4





#49

Acenaphthene

Concen: 1.711 ng/ul

RT: 14.56 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BM012035.D

Acq: 10 Oct 2017 04:40

Instrument :

BNA_M

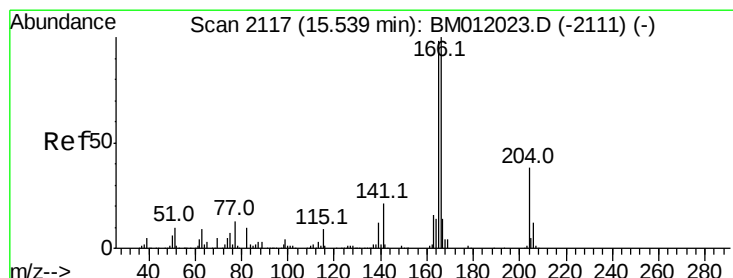
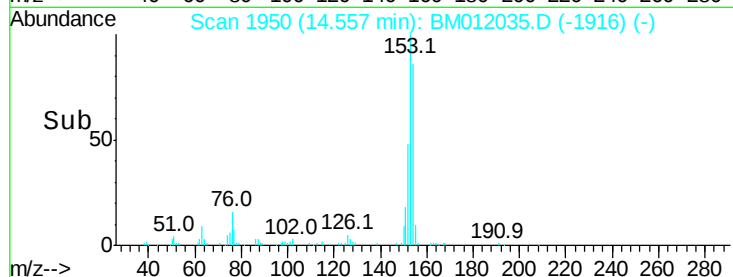
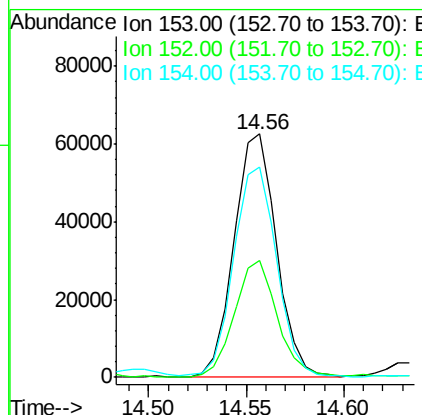
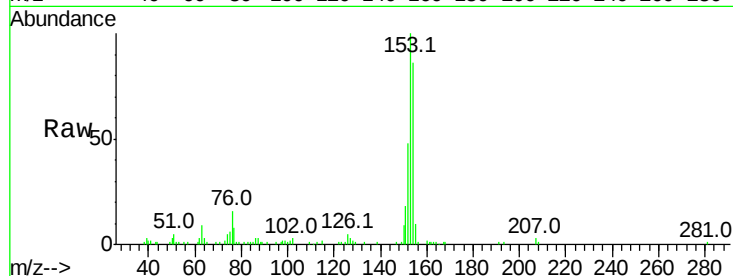
ClientSampleId :

DUP-1

Tot Ion:	153	Resp:	94450
Ion Ratio	Lower	Upper	
153	100		
152	47.8	37.6	56.4
154	86.2	70.4	105.6

Manual Integrations
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#58

Fluorene

Concen: 1.474 ng/ul

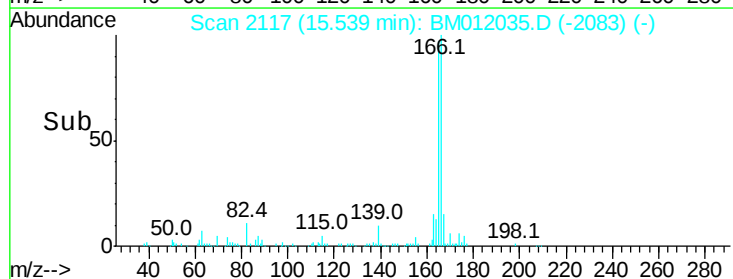
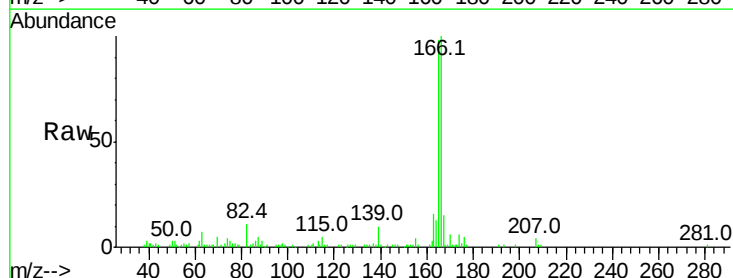
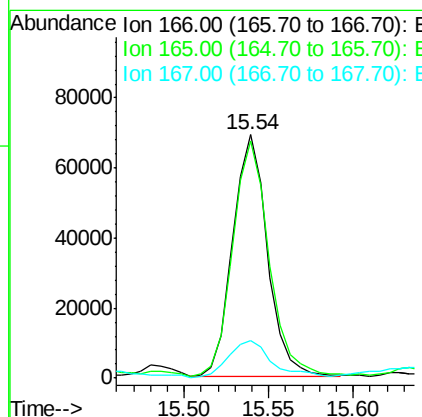
RT: 15.54 min Scan# 2117

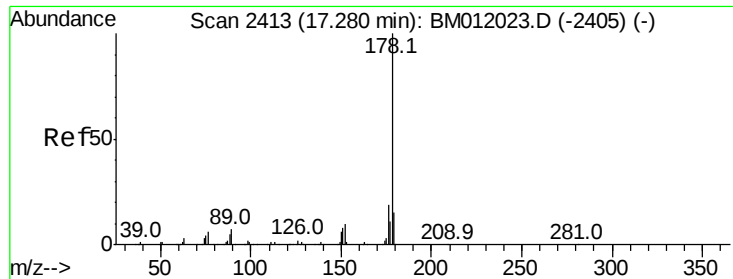
Delta R.T. 0.00 min

Lab File: BM012035.D

Acq: 10 Oct 2017 04:40

Tgt Ion:	166	Resp:	98574
Ion Ratio	Lower	Upper	
166	100		
165	97.6	77.9	116.9
167	15.3	10.6	16.0





#69

Phenanthrene

Concen: 24.201 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM012035.D

Acq: 10 Oct 2017 04:40

Instrument :

BNA_M

ClientSampled :

DUP-1

Tot Ion:178 Resp: 2573799

Ion Ratio Lower Upper

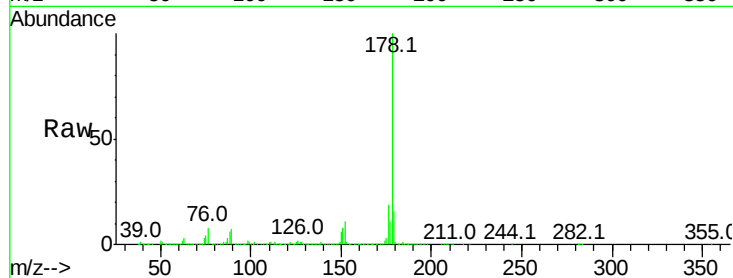
178 100

179 15.7 12.6 19.0

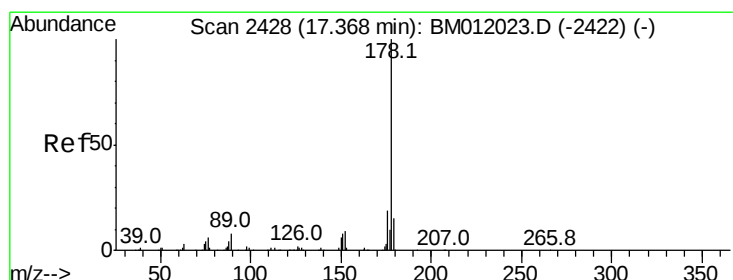
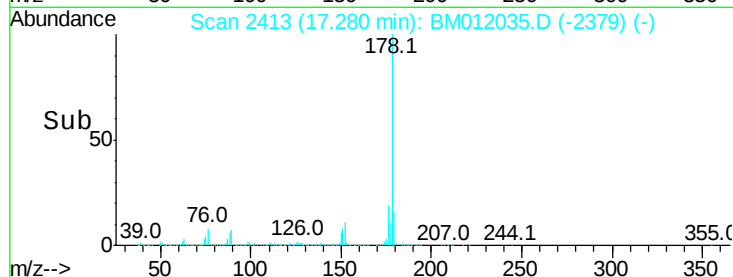
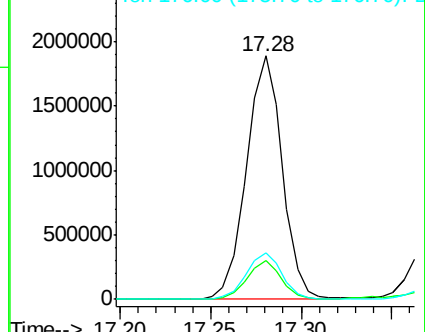
176 18.9 14.9 22.3

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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



#71

Anthracene

Concen: 5.434 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BM012035.D

Acq: 10 Oct 2017 04:40

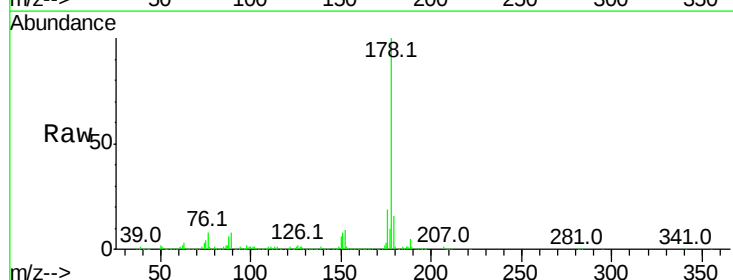
Tgt Ion:178 Resp: 588059

Ion Ratio Lower Upper

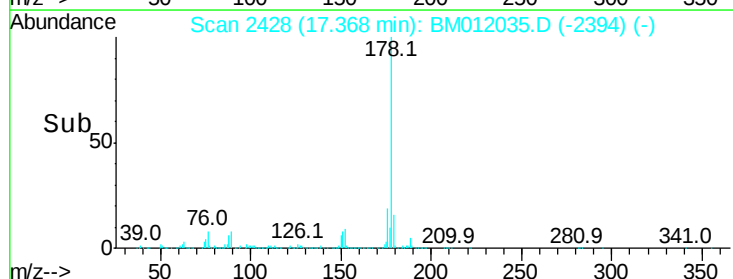
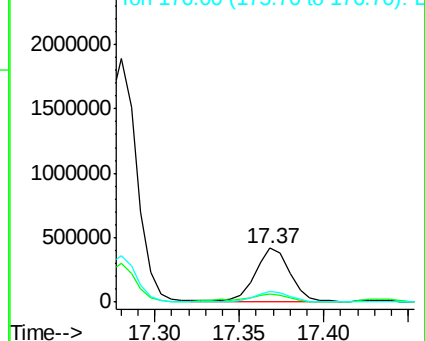
178 100

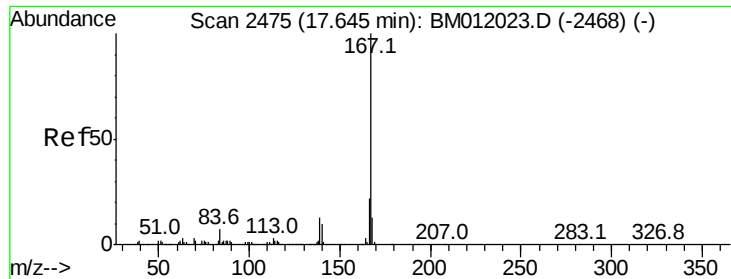
179 16.0 11.7 17.5

176 18.6 14.6 21.8



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





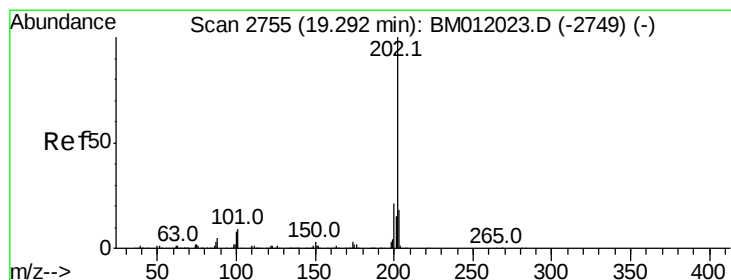
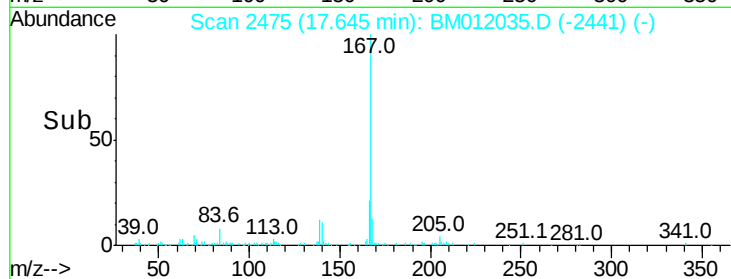
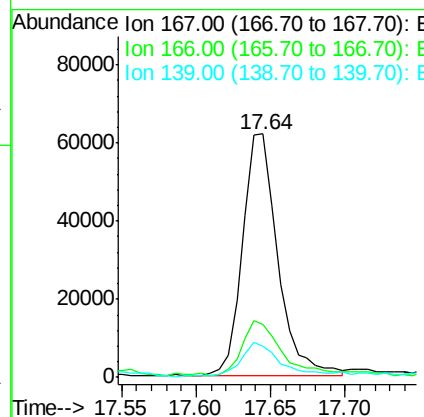
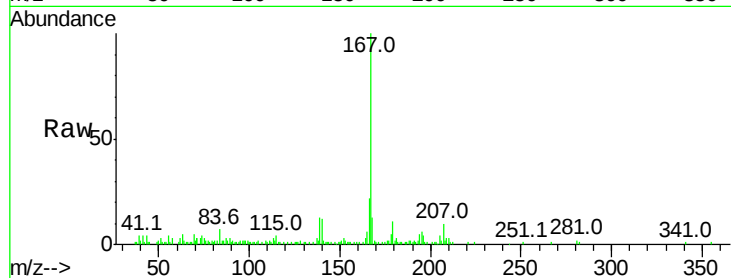
#72
 Carbazole
 Concen: 1.079 ng/ul
 RT: 17.64 min Scan# 2475
 Delta R.T. 0.00 min
 Lab File: BM012035.D
 Acq: 10 Oct 2017 04:40

Instrument :
 BNA_M
 ClientSampleId :
 DUP-1

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	12.6	10.0	15.0

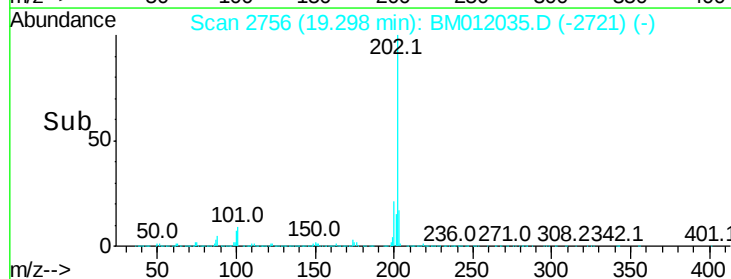
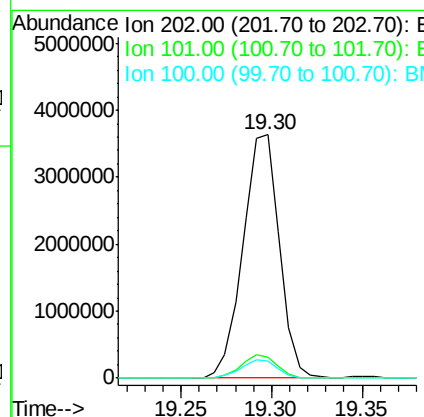
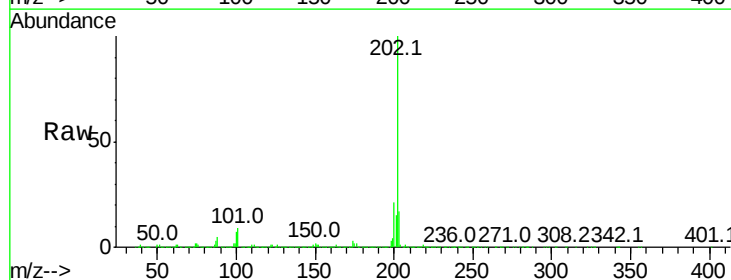
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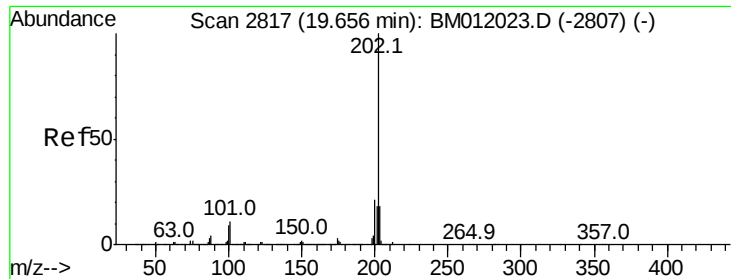
Sohil
 10/10/2017 5:06:01 PM



#74
 Fluoranthene
 Concen: 38.969 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM012035.D
 Acq: 10 Oct 2017 04:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	4.6	7.0#
100	6.9	3.4	5.2#





#77

Pvrene

Concen: 35.625 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BM012035.D

Acq: 10 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

DUP-1

Tot Ion:202 Resp: 4620626

Ion Ratio Lower Upper

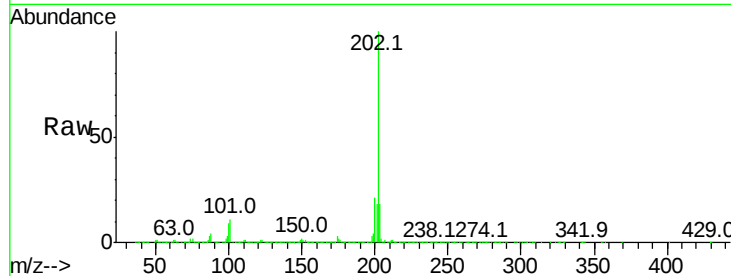
202 100

101 10.9 5.1 7.7#

100 9.4 4.9 7.3#

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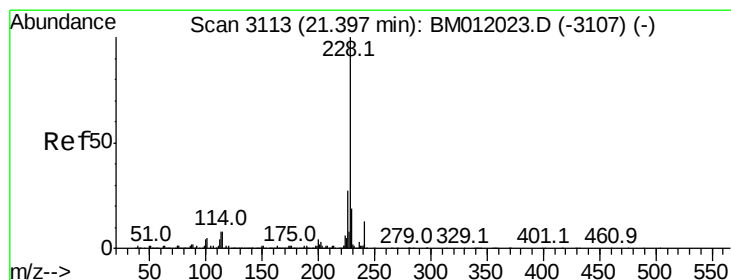
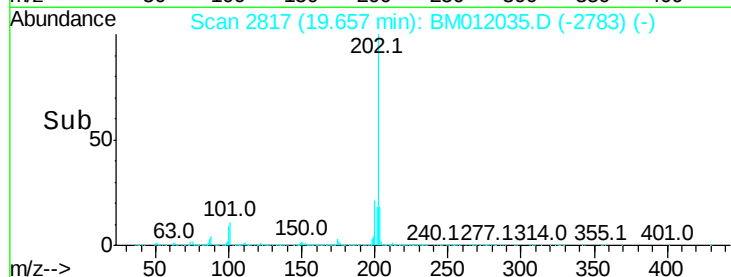
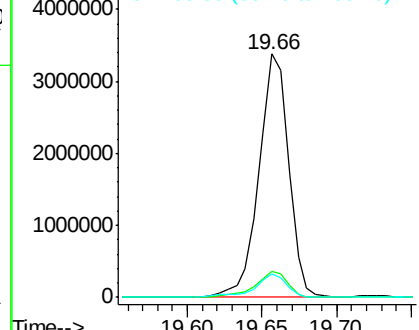
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 19.871 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM012035.D

Acq: 10 Oct 2017 04:40

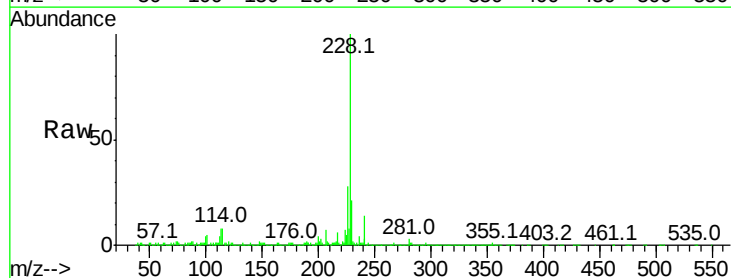
Tgt Ion:228 Resp: 2662788

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.0

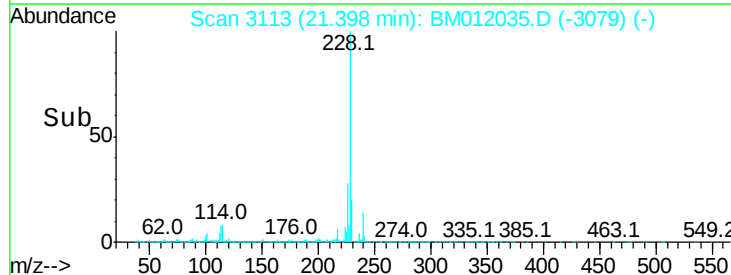
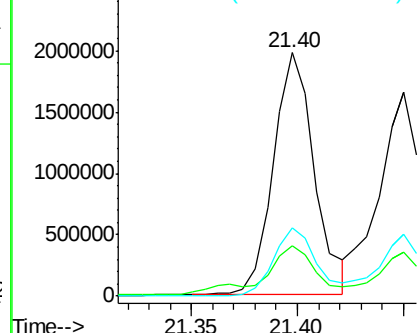
226 27.8 21.4 32.0

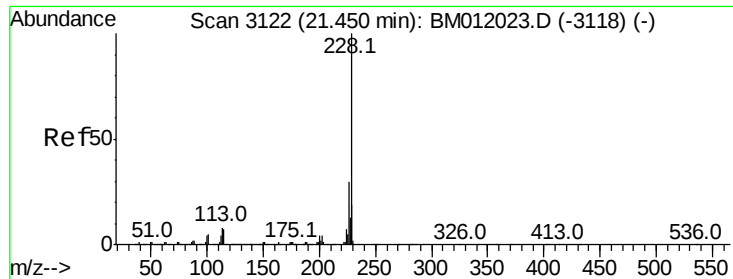


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





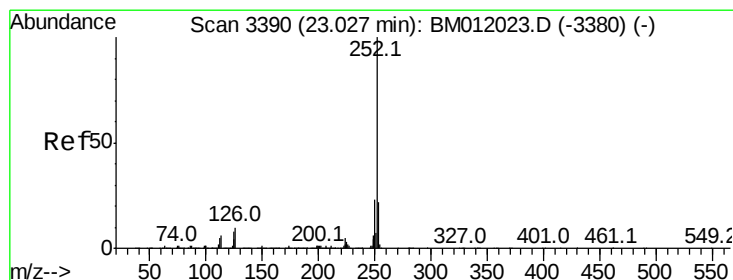
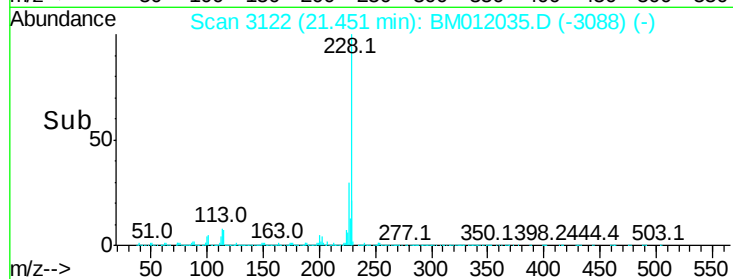
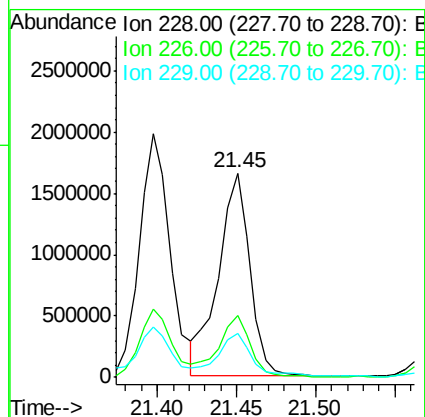
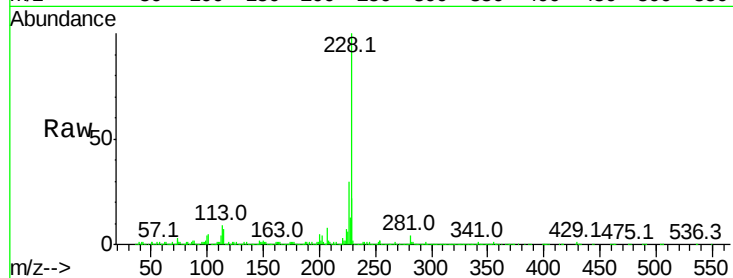
#82
Chrysene
Concen: 18.030 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM012035.D
Acq: 10 Oct 2017 04:40

Instrument :
BNA_M
ClientSampled :
DUP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	21.7	15.5	23.3

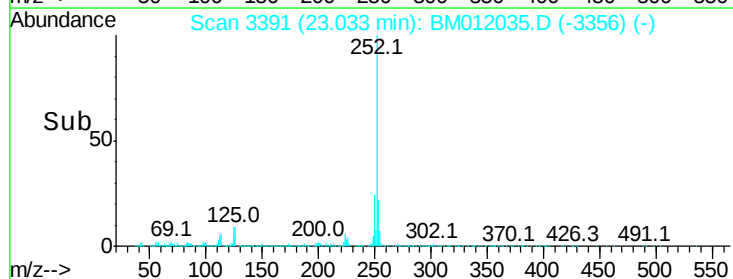
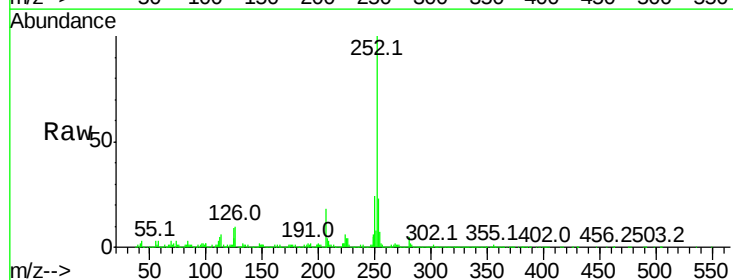
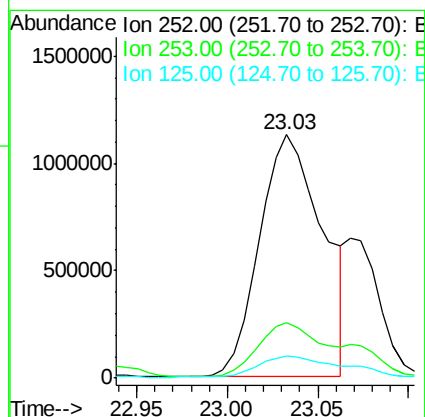
Manual Integrations
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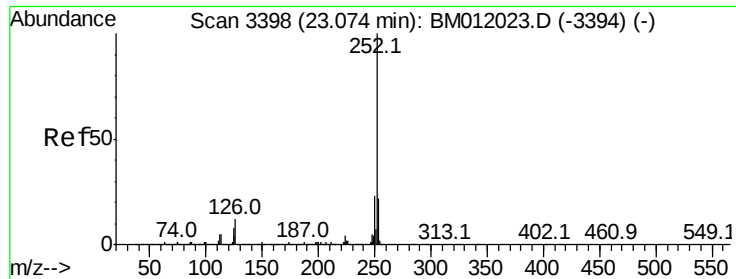
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#85
Benzo(b)fluoranthene
Concen: 22.171 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BM012035.D
Acq: 10 Oct 2017 04:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.0	3.6	5.4





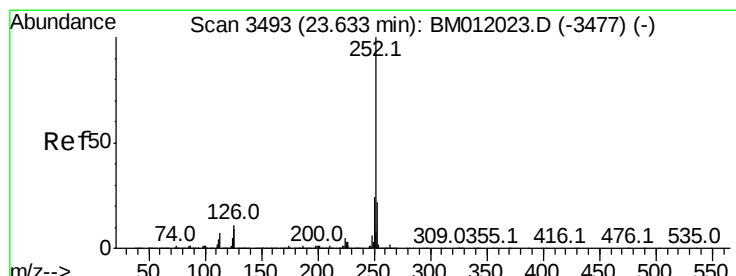
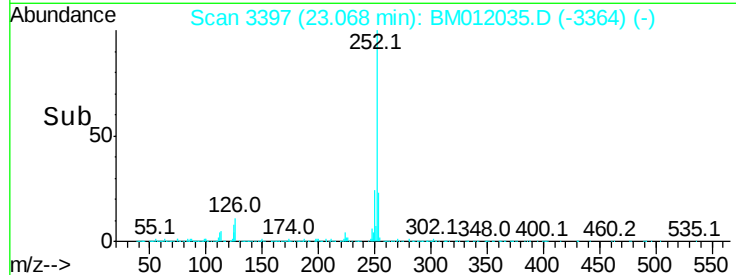
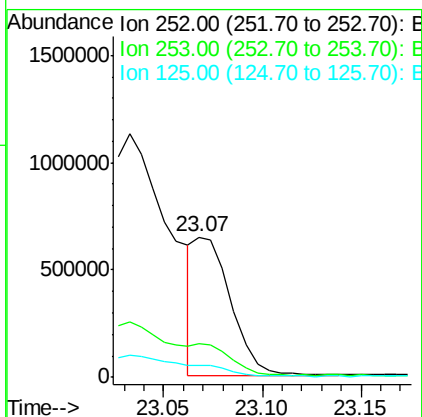
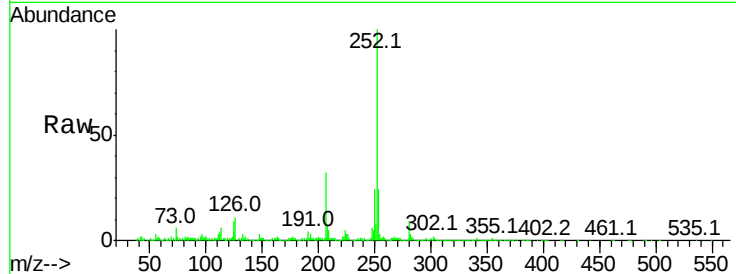
#86
Benzo(k)fluoranthene
Concen: 6.737 ng/ul m
RT: 23.07 min Scan# 3397
Delta R.T. -0.01 min
Lab File: BM012035.D
Acq: 10 Oct 2017 04:40

Instrument :
BNA_M
ClientSampled :
DUP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	8.7	3.4	5.2#

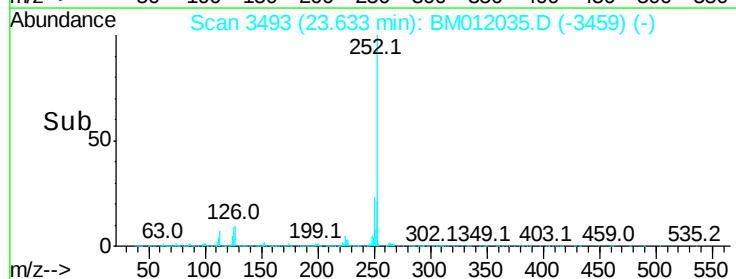
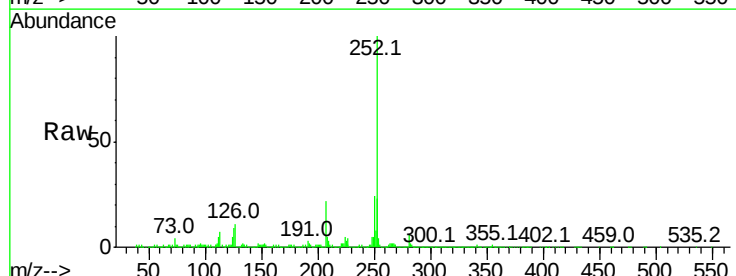
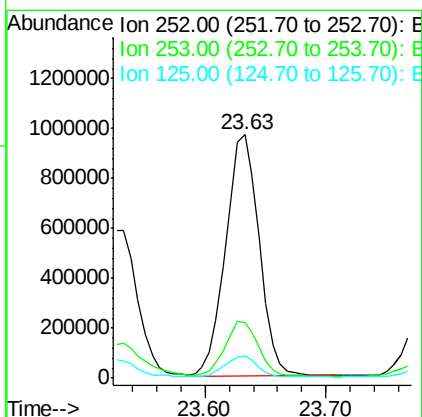
Manual Integrations
APPROVED

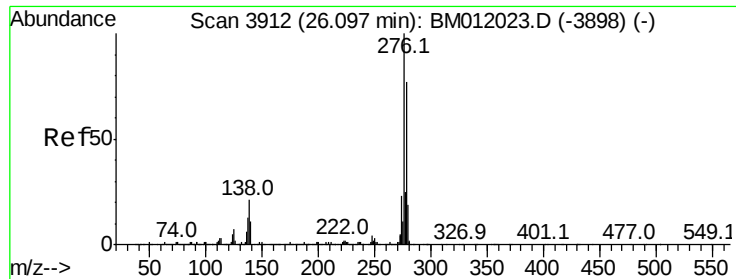
Sohil
10/10/2017 5:06:01 PM



#88
Benzo(a)pyrene
Concen: 15.668 ng/ul
RT: 23.63 min Scan# 3493
Delta R.T. 0.00 min
Lab File: BM012035.D
Acq: 10 Oct 2017 04:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	9.2	4.0	6.0#





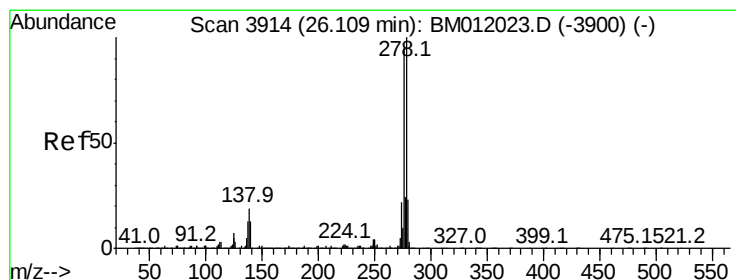
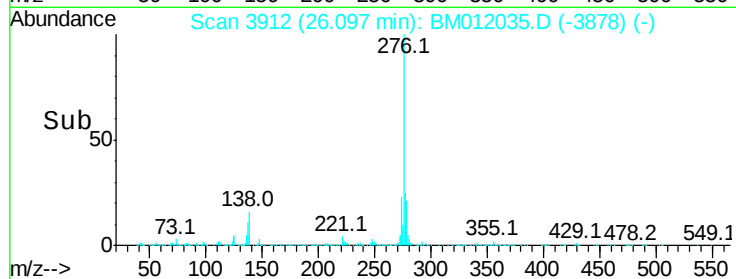
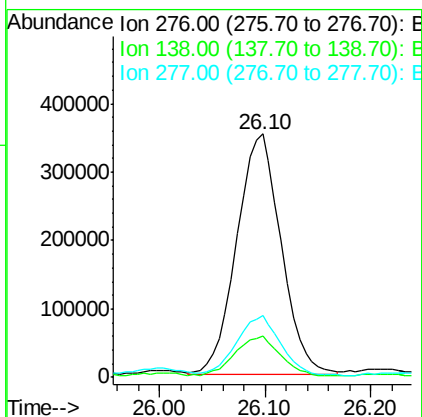
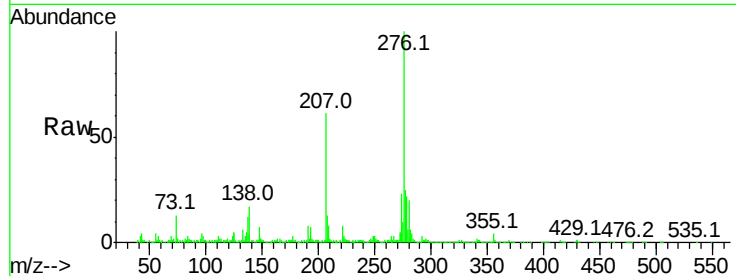
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 8.069 ng/ul
 RT: 26.10 min Scan# 3912
 Delta R.T. 0.00 min
 Lab File: BM012035.D
 Acq: 10 Oct 2017 04:40

Instrument :
 BNA_M
 ClientSampleId :
 DUP-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	9.3	13.9#
277	25.2	19.9	29.9

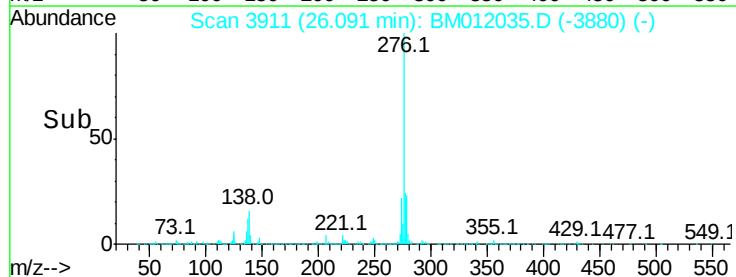
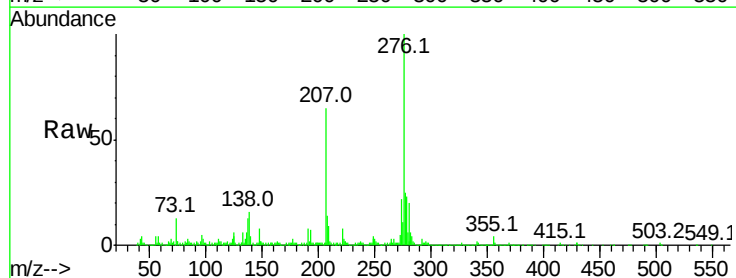
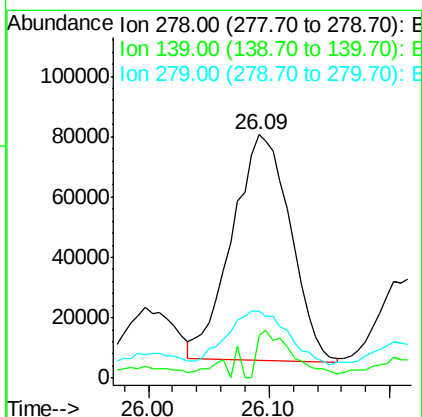
Manual Integrations
 APPROVED

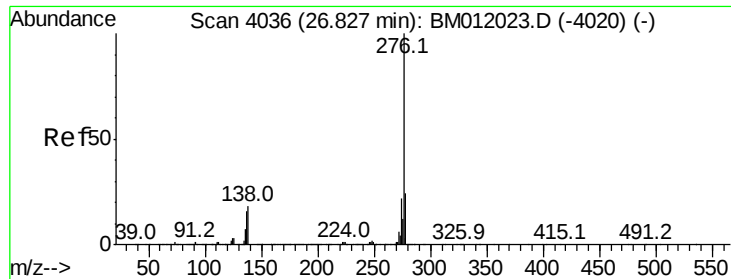
Sohil
 10/10/2017 5:06:01 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 2.404 ng/ul
 RT: 26.09 min Scan# 3911
 Delta R.T. -0.02 min
 Lab File: BM012035.D
 Acq: 10 Oct 2017 04:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	5.8	8.8#
279	27.4	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 8.248 ng/ul

RT: 26.82 min Scan# 4035

Delta R.T. -0.01 min

Lab File: BM012035.D

Acq: 10 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

DUP-1

Tot Ion:	276	Resp:	868457
Ion Ratio	Lower	Upper	
276	100		
138	17.5	8.5	12.7#
277	23.8	18.6	28.0

Manual Integrations
APPROVED

Sohil
10/10/2017 5:06:01 PM

