

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
 Data File : BM012059.D
 Acq On : 11 Oct 2017 01:26
 Operator : SJ/JU
 Sample : I5669-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3K2

Manual Integrations
 APPROVED

Sohil
 10/11/2017 7:29:32 PM

Quant Time: Oct 11 03:46:24 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 02:39:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	217737	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	949775	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	595486	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1454951	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1883588	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1867671	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	7489m	1.63	ng/uL	0.00
5) Phenol-d5	7.00	99	130144	6.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	204957	18.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	107636	7.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	121704	7.52	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	133639	19.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.74	143	12820	1.68	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.27	165	64701	4.20	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	128	0.01	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	274238	5.31	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1218856	20.10	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.48	176	919866	20.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	563	0.06	ng/ul	0.02
70) Anthracene-d10	17.33	188	1459860	20.36	ng/ul	0.00
76) Pyrene-d10	19.62	212	1834222	21.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	1829493	20.36	ng/ul	0.00
Target Compounds				Ovalue		
44) Dimethylphthalate	13.95	163	131231	2.643	ng/ul	98
49) Acenaphthene	14.55	153	67479	1.658	ng/ul	97
58) Fluorene	15.54	166	83862	1.700	ng/ul	97
69) Phenanthrene	17.27	178	1362415	17.023	ng/ul	99
71) Anthracene	17.37	178	309436	3.800	ng/ul	99
72) Carbazole	17.64	167	99216	1.407	ng/ul	97
74) Fluoranthene	19.29	202	2206490	22.596	ng/ul#	91
77) Pyrene	19.65	202	1867868	17.885	ng/ul#	88
80) Benzo(a)anthracene	21.39	228	1121134	10.390	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.30	149	155923	2.562	ng/ul#	96
82) Chrysene	21.44	228	1063431	10.372	ng/ul	99
85) Benzo(b)fluoranthene	23.03	252	1405381	12.380	ng/ul#	95
86) Benzo(k)fluoranthene	23.07	252	583434m	5.148	ng/ul	
88) Benzo(a)pyrene	23.62	252	922625	8.458	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.09	276	583347	4.997	ng/ul#	94
90) Dibenzo(a,h)anthracene	26.09	278	148155	1.545	ng/ul#	89
91) Benzo(g,h,i)perylene	26.82	276	457010	4.733	ng/ul#	93

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

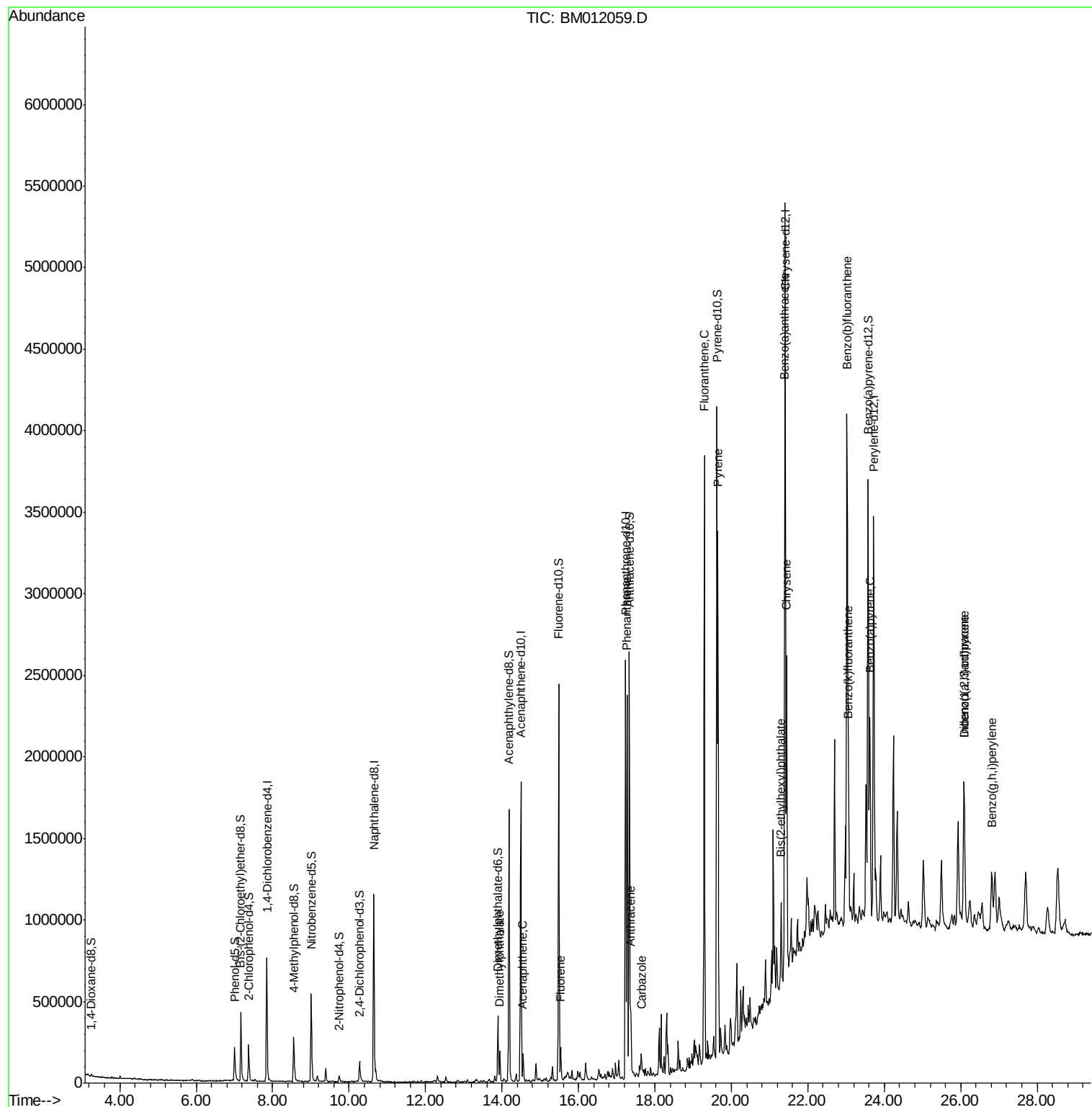
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
Data File : BM012059.D
Acq On : 11 Oct 2017 01:26
Operator : SJ/JU
Sample : I5669-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

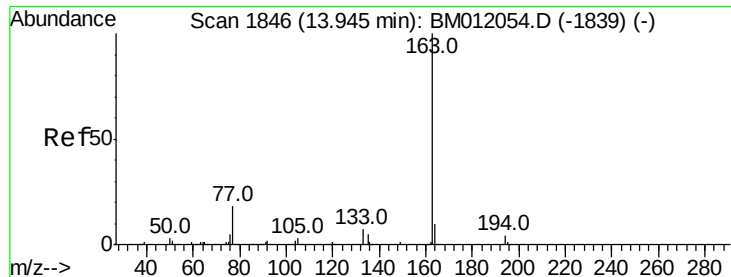
Instrument :
BNA_M
ClientSampled :
CB3K2

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10/11/2017 7:29:32 PM

Quant Time: Oct 11 03:46:24 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 02:39:56 2017
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 2.643 ng/ul

RT: 13.95 min Scan# 1846

Delta R.T. 0.00 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Instrument :

BNA_M

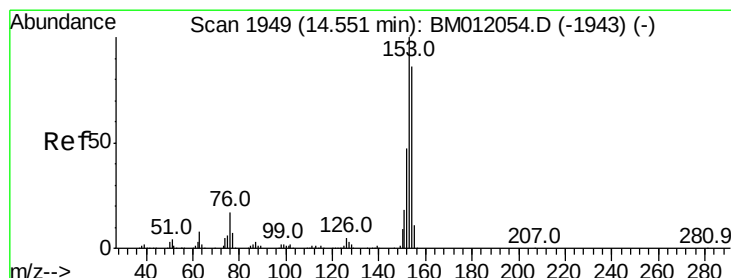
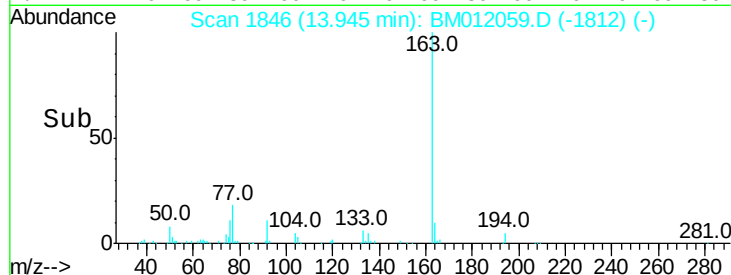
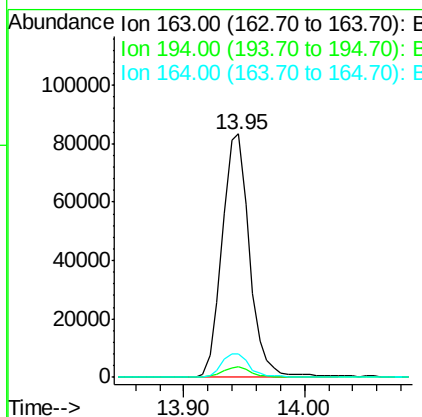
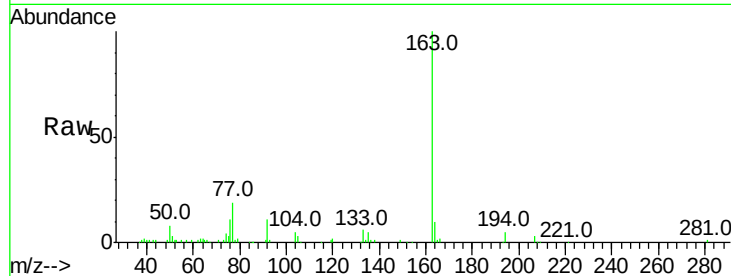
ClientSampled :

CB3K2

Tot Ion:	163	Resp:	131231
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.5	5.3
164	9.6	8.2	12.4

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#49

Acenaphthene

Concen: 1.658 ng/ul

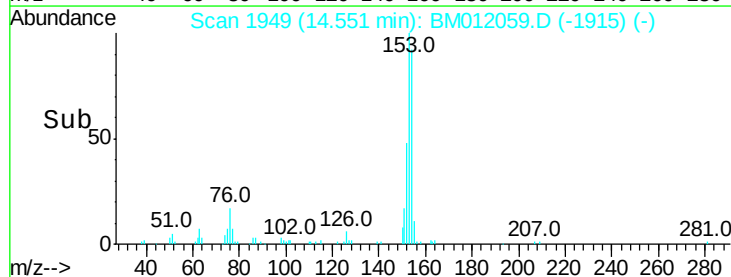
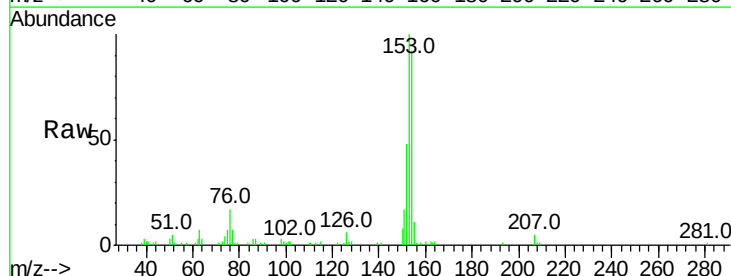
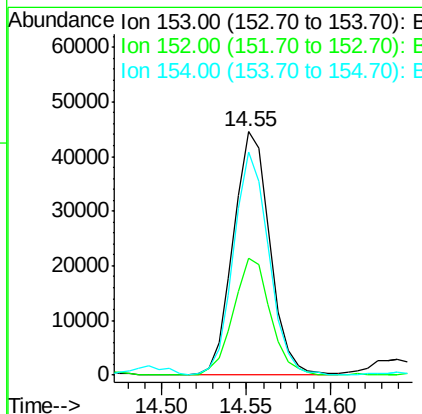
RT: 14.55 min Scan# 1949

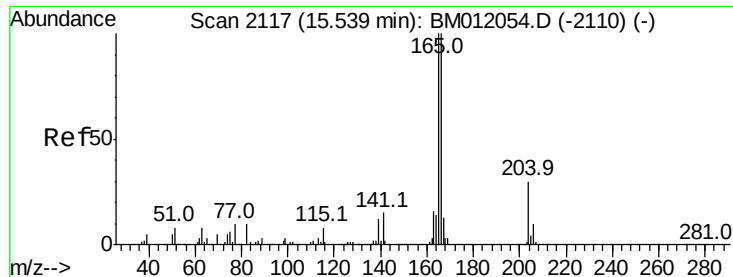
Delta R.T. 0.00 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Tgt Ion:	153	Resp:	67479
Ion Ratio	Lower	Upper	
153	100		
152	48.2	37.6	56.4
154	91.8	70.4	105.6





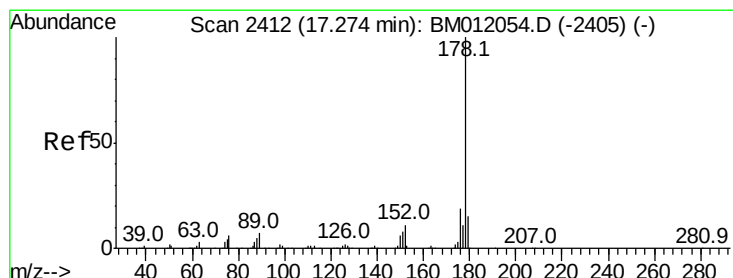
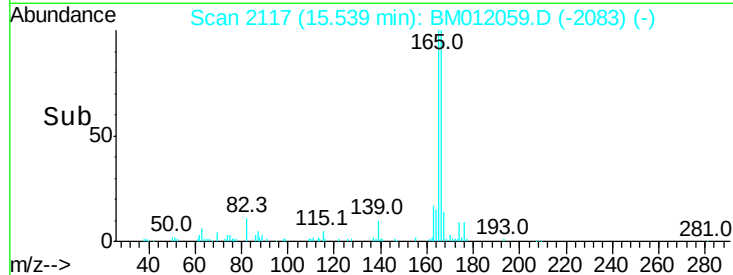
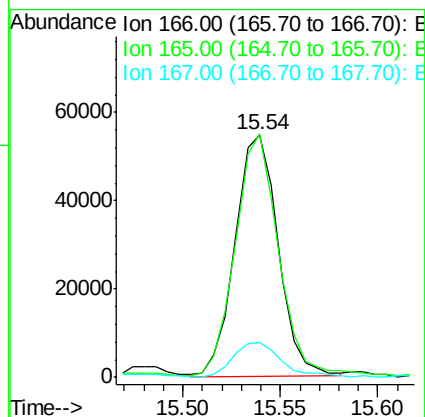
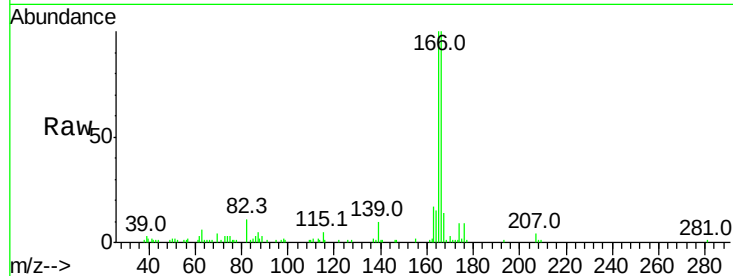
#58
Fluorene
Concen: 1.700 ng/ul
RT: 15.54 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BM012059.D
Acq: 11 Oct 2017 01:26

Instrument :
BNA_M
ClientSampleId :
CB3K2

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	77.9	116.9
167	14.5	10.6	16.0

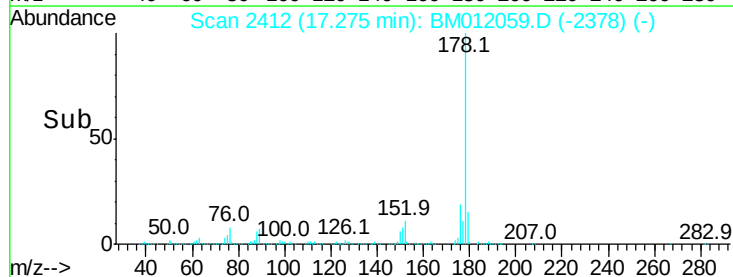
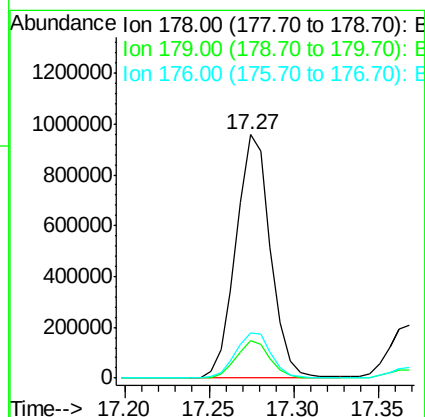
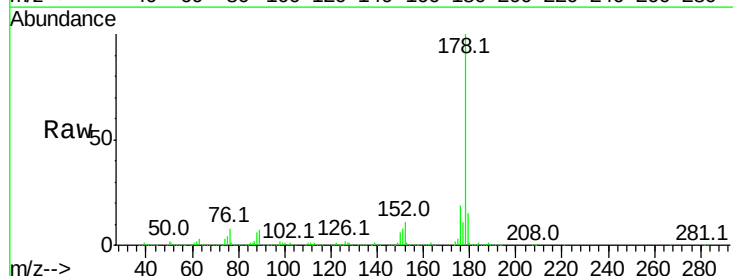
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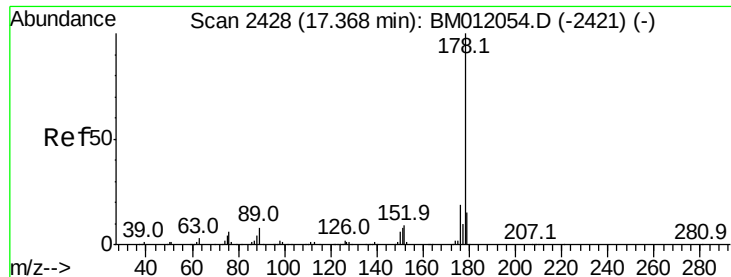
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#69
Phenanthrene
Concen: 17.023 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. 0.00 min
Lab File: BM012059.D
Acq: 11 Oct 2017 01:26

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	18.8	14.9	22.3





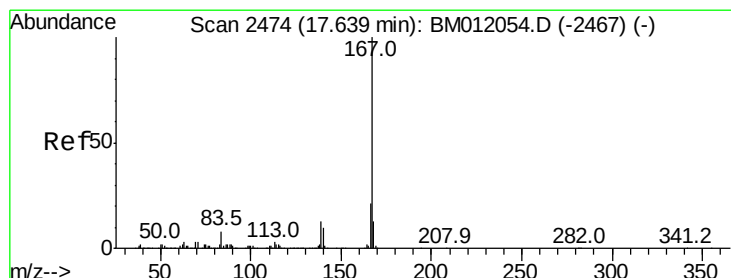
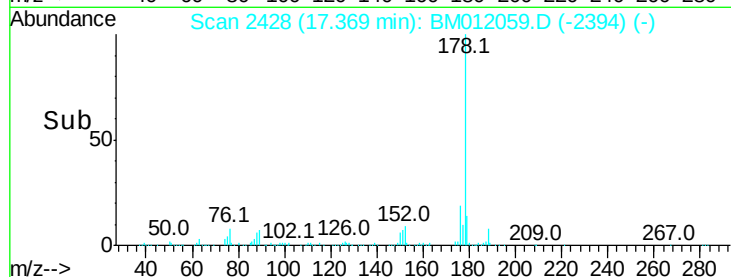
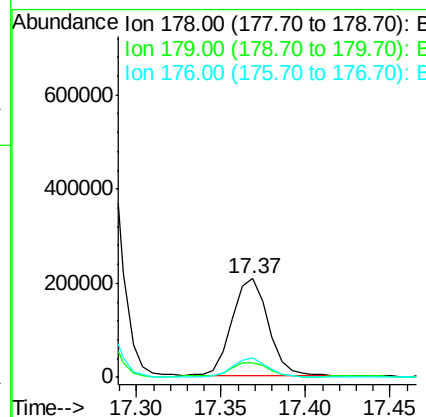
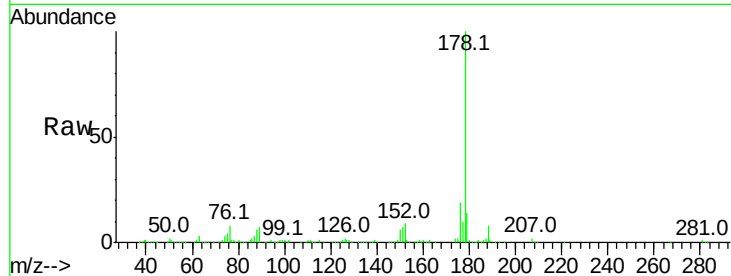
#71
 Anthracene
 Concen: 3.800 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM012059.D
 Acq: 11 Oct 2017 01:26

Instrument :
 BNA_M
 ClientSampleId :
 CB3K2

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.5	11.7	17.5
176	19.3	14.6	21.8

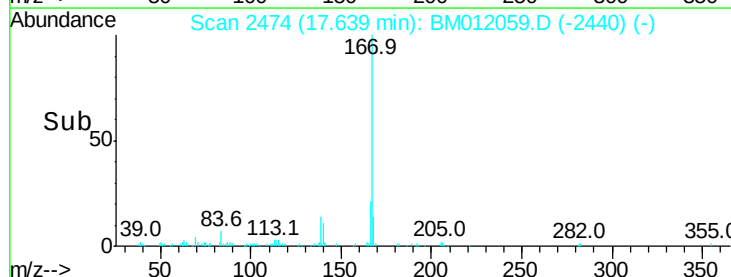
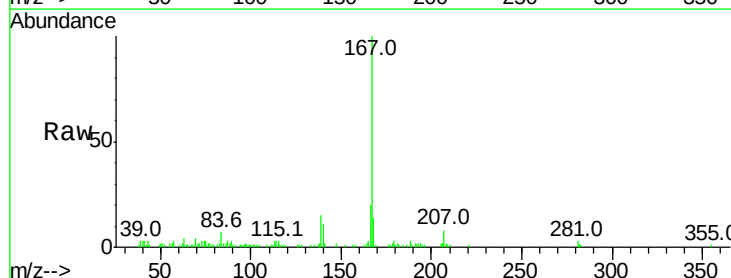
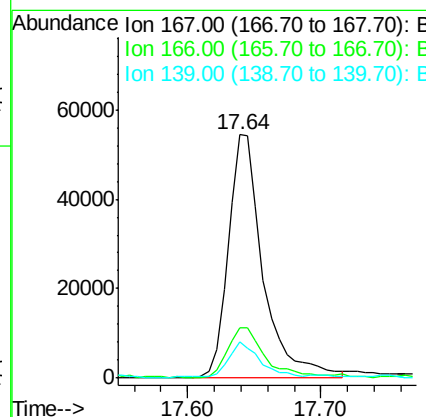
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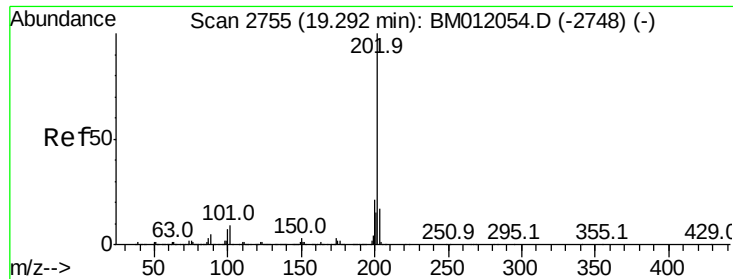
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#72
 Carbazole
 Concen: 1.407 ng/ul
 RT: 17.64 min Scan# 2474
 Delta R.T. 0.00 min
 Lab File: BM012059.D
 Acq: 11 Oct 2017 01:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.1	25.7
139	14.7	10.0	15.0





#74

Fluoranthene

Concen: 22.596 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Instrument :

BNA_M

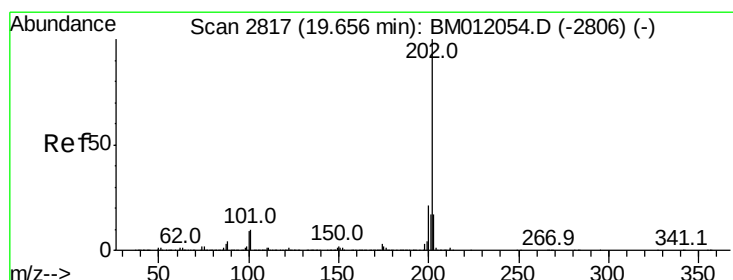
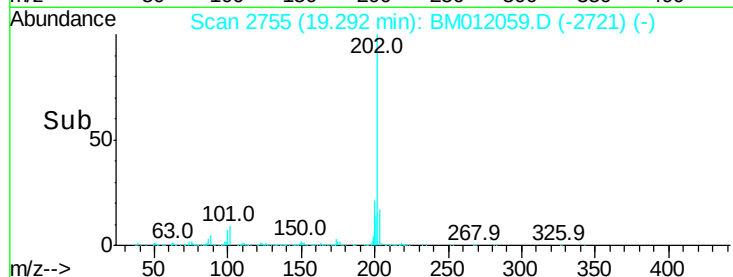
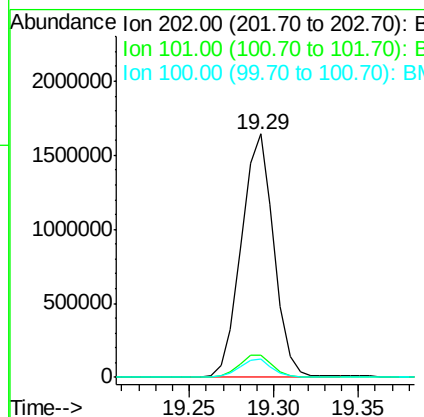
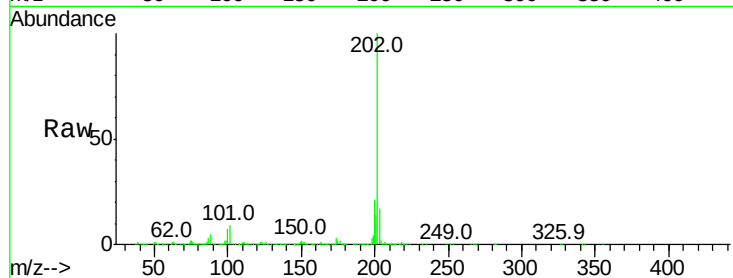
ClientSampled :

CB3K2

Tot Ion:	202	Resp:	2206490
Ion Ratio	Lower	Upper	
202	100		
101	8.9	4.6	7.0#
100	7.3	3.4	5.2#

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#77

Pyrene

Concen: 17.885 ng/ul

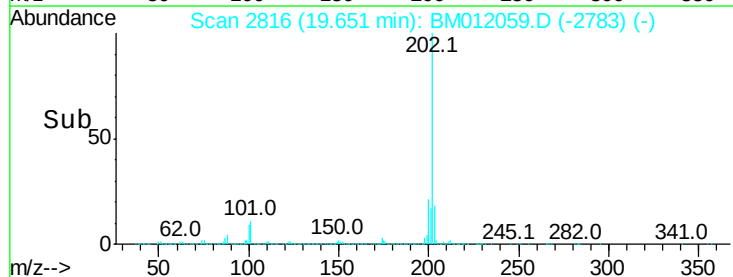
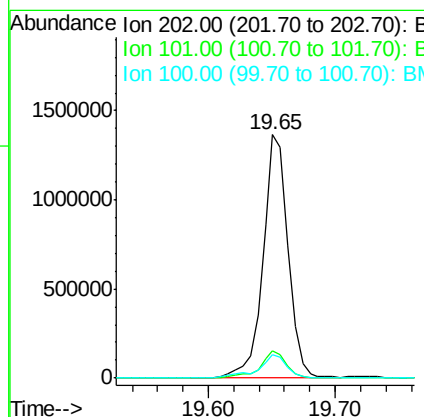
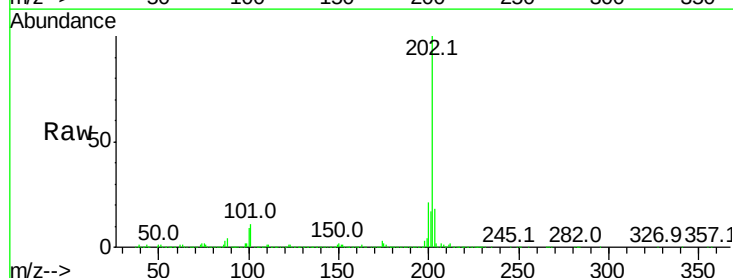
RT: 19.65 min Scan# 2816

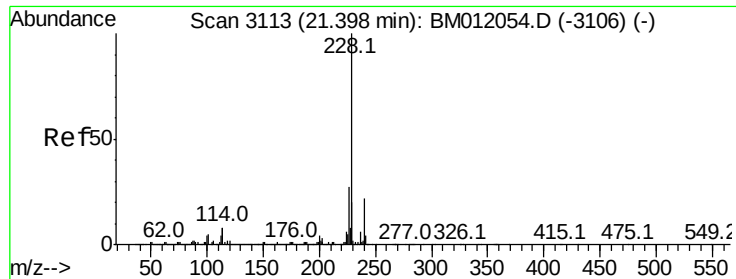
Delta R.T. -0.01 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Tgt Ion:	202	Resp:	1867868
Ion Ratio	Lower	Upper	
202	100		
101	11.2	5.1	7.7#
100	9.5	4.9	7.3#





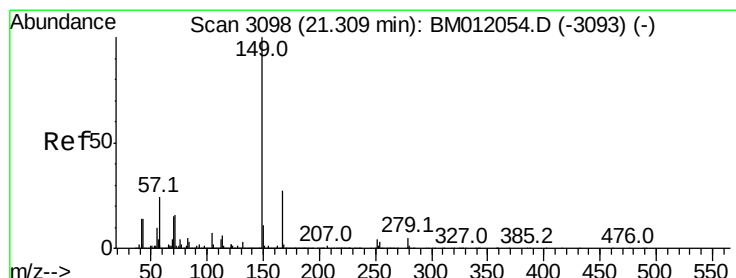
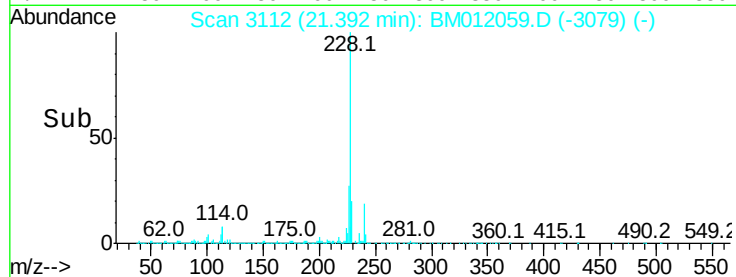
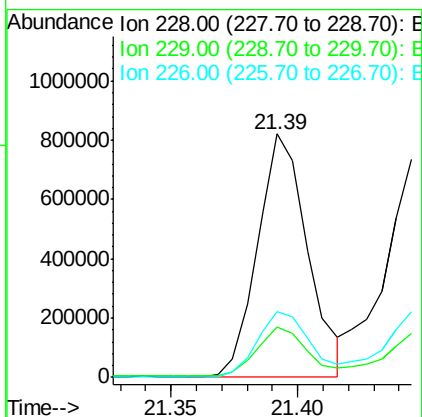
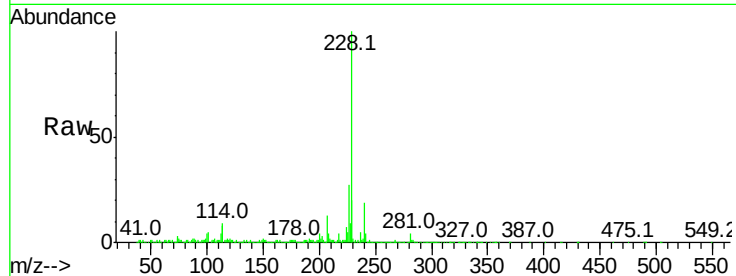
#80
Benzo(a)anthracene
Concen: 10.390 ng/ul
RT: 21.39 min Scan# 3112
Delta R.T. -0.01 min
Lab File: BM012059.D
Acq: 11 Oct 2017 01:26

Instrument :
BNA_M
ClientSampleId :
CB3K2

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.0
226	27.1	21.4	32.0

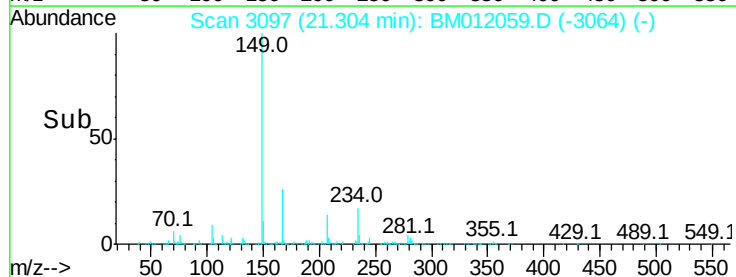
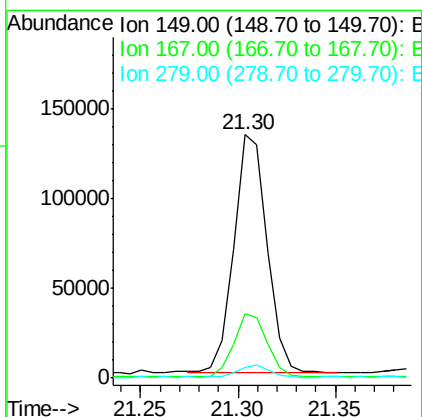
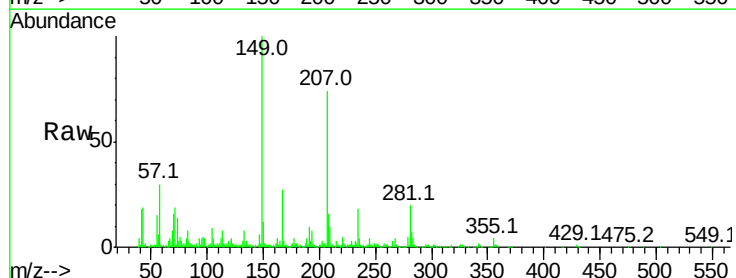
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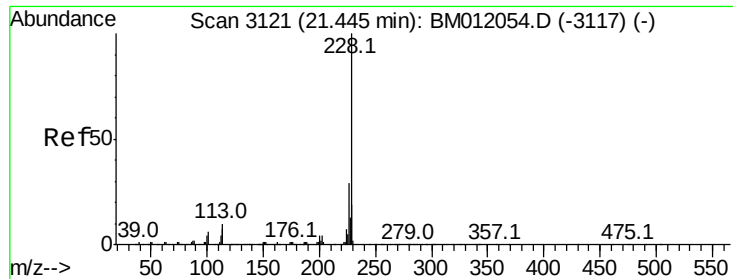
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#81
Bis(2-ethylhexyl)phthalate
Concen: 2.562 ng/ul
RT: 21.30 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM012059.D
Acq: 11 Oct 2017 01:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.8	34.2
279	4.6	4.9	7.3#





#82

Chrysene

Concen: 10.372 ng/ul

RT: 21.44 min Scan# 3121

Delta R.T. 0.00 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

Instrument :

BNA_M

ClientSampleId :

CB3K2

Tot Ion:228 Resp: 1063431

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

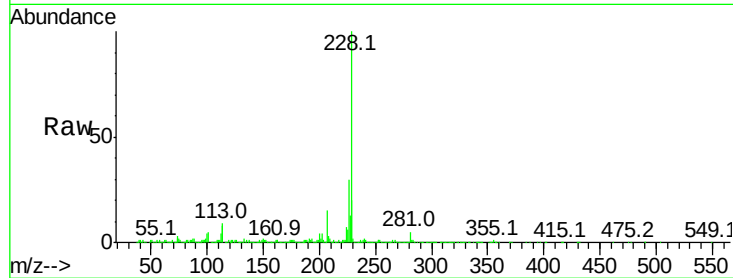
229 20.2 15.5 23.3

Manual Integrations

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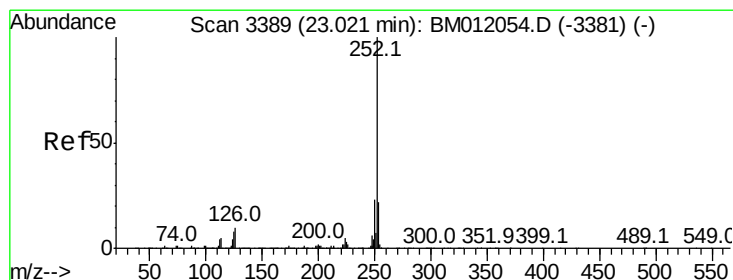
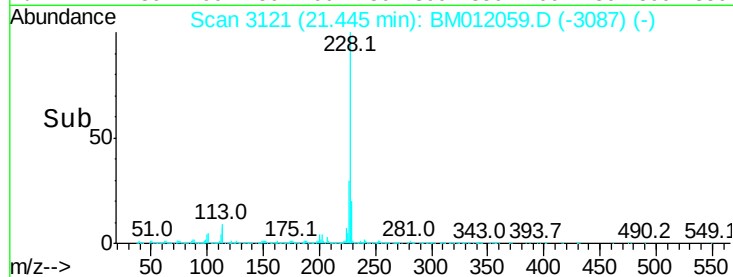
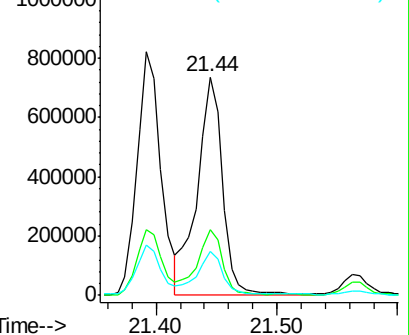
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 12.380 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. 0.01 min

Lab File: BM012059.D

Acq: 11 Oct 2017 01:26

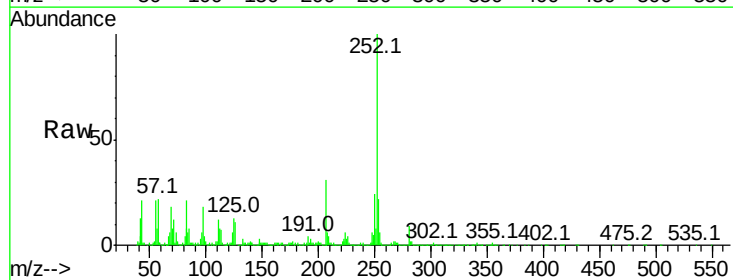
Tgt Ion:252 Resp: 1405381

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

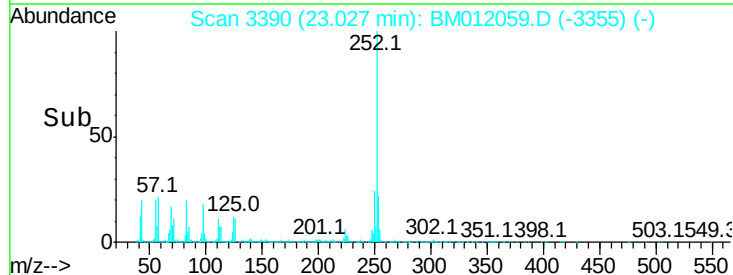
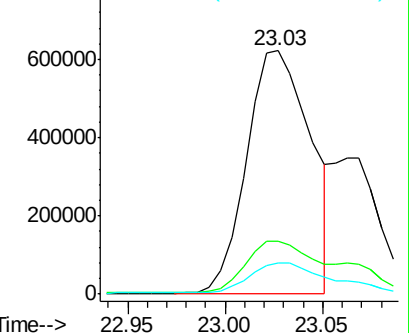
125 12.6 3.6 5.4#

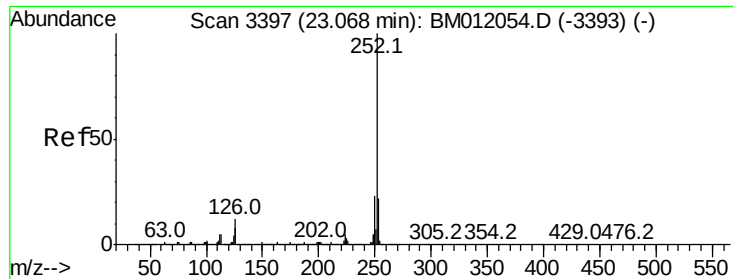


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





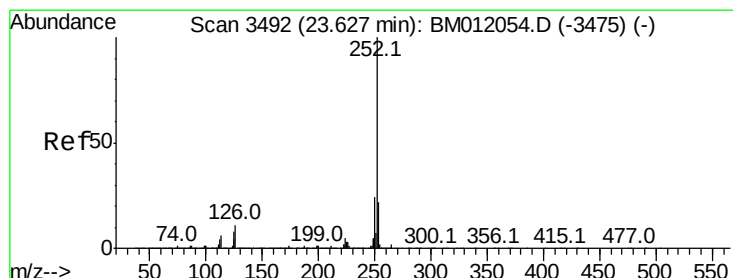
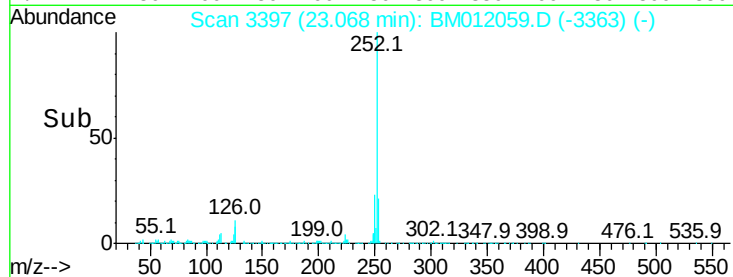
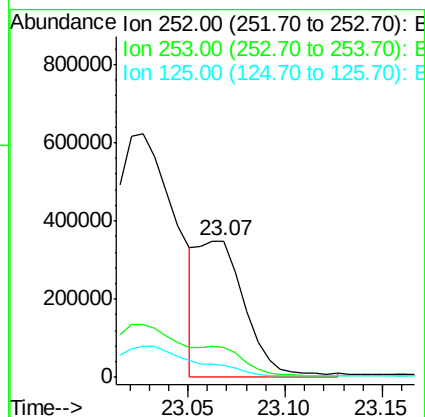
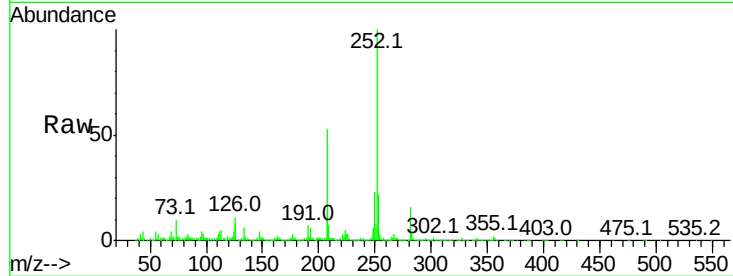
#86
Benzo(k)fluoranthene
Concen: 5.148 ng/ul m
RT: 23.07 min Scan# 3397
Delta R.T. 0.00 min
Lab File: BM012059.D
Acq: 11 Oct 2017 01:26

Instrument :
BNA_M
ClientSampled :
CB3K2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	8.5	3.4	5.2

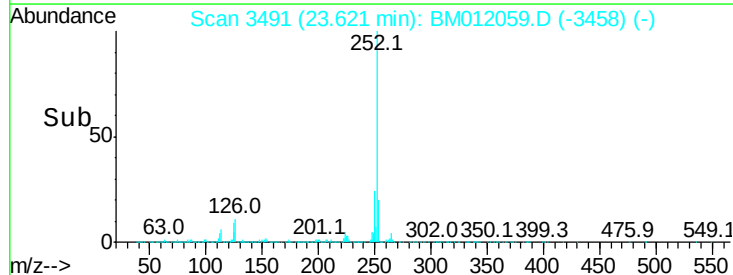
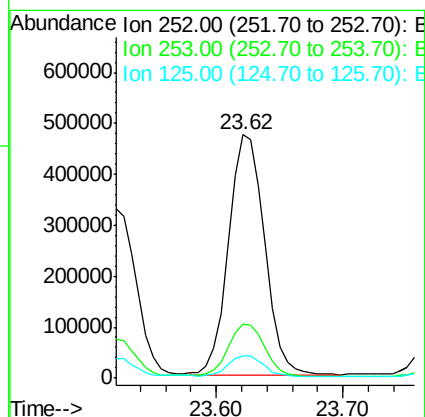
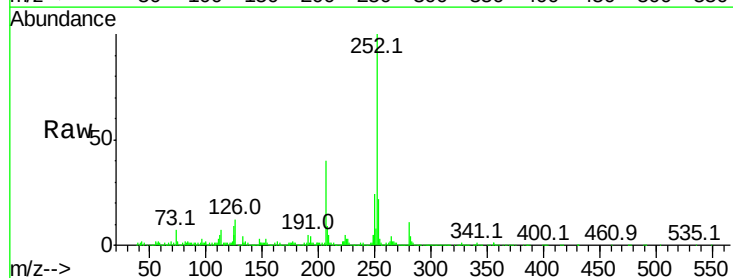
Manual Integrations
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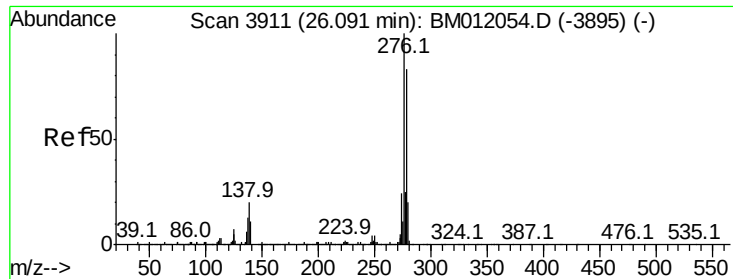
Sohil
10/11/2017 7:29:32 PM



#88
Benzo(a)pyrene
Concen: 8.458 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. -0.01 min
Lab File: BM012059.D
Acq: 11 Oct 2017 01:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	9.3	4.0	6.0





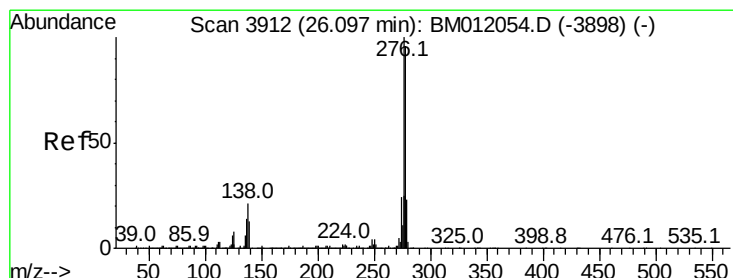
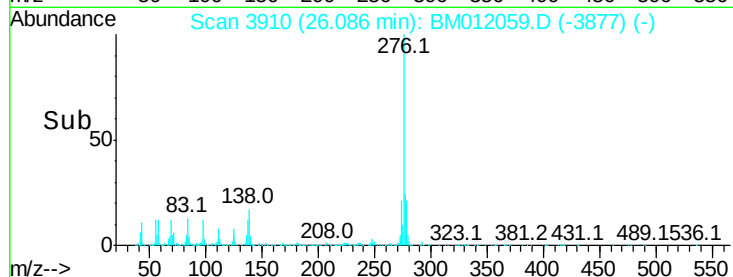
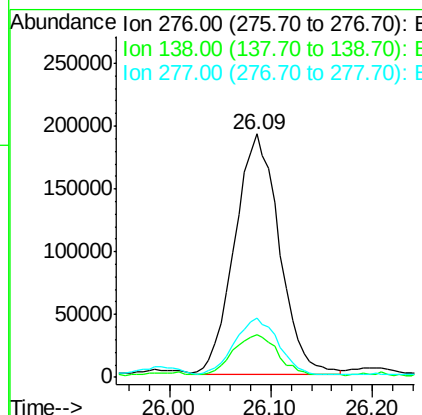
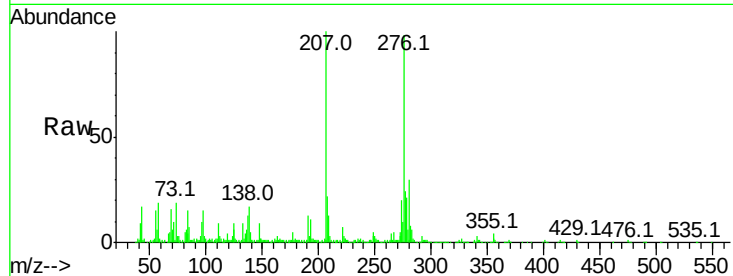
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 4.997 ng/ul
 RT: 26.09 min Scan# 3910
 Delta R.T. -0.01 min
 Lab File: BM012059.D
 Acq: 11 Oct 2017 01:26

Instrument :
 BNA_M
 ClientSampled :
 CB3K2

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	9.3	13.9#
277	24.5	19.9	29.9

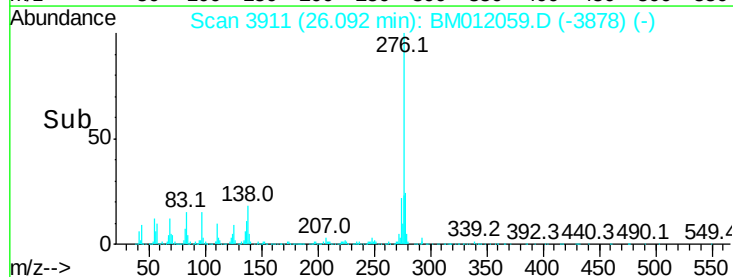
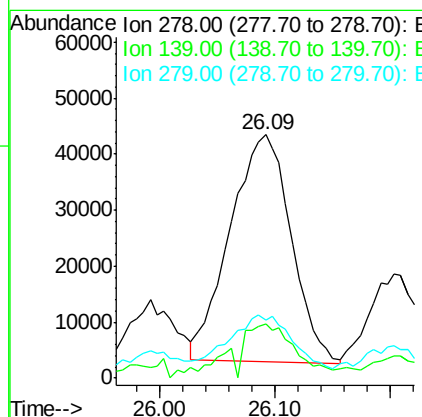
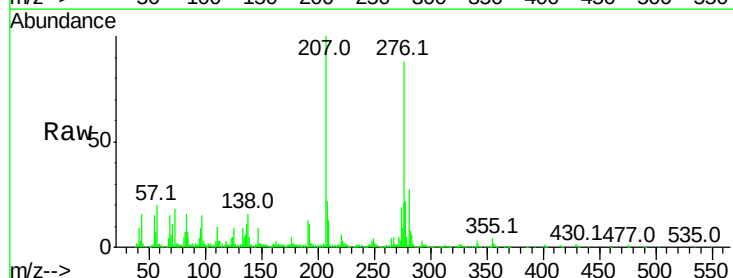
Manual Integrations
 APPROVED

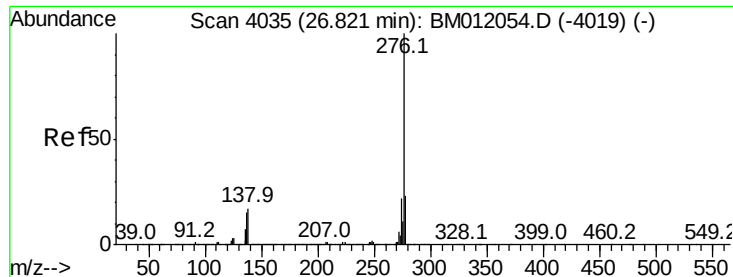
Sohil
 10/11/2017 7:29:32 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 1.545 ng/ul
 RT: 26.09 min Scan# 3911
 Delta R.T. -0.01 min
 Lab File: BM012059.D
 Acq: 11 Oct 2017 01:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.3	5.8	8.8#
279	23.9	18.6	27.8





#91
 Benzo(a,h,i)perylene
 Concen: 4.733 ng/ul
 RT: 26.82 min Scan# 4034
 Delta R.T. -0.01 min
 Lab File: BM012059.D
 Acq: 11 Oct 2017 01:26

Instrument :
 BNA_M
 ClientSampleId :
 CB3K2

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.4	8.5	12.7#
277	24.8	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 10/11/2017 7:29:32 PM

