

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012447.D
 Acq On : 25 Oct 2017 16:05
 Operator : SJ/JU
 Sample : I5756-07DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0CN1DL

Manual Integrations
 APPROVED

Sohil
 10/27/2017 8:53:58 AM

Quant Time: Oct 26 05:10:16 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 01:09:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	760963	20.00	ng/ul	0.01
18) Naphthalene-d8	10.67	136	3179571	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	2018694	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.26	188	4609029	20.00	ng/ul	0.01
75) Chrysene-d12	21.43	240	3664440	20.00	ng/ul	0.01
83) Perylene-d12	23.74	264	3602924	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	11633	0.78	ng/uL	0.00
5) Phenol-d5	7.05	99	257480	4.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	158454	4.20	ng/ul	0.01
9) 2-Chlorophenol-d4	7.42	132	207697	4.36	ng/ul	0.01
13) 4-Methylphenol-d8	8.59	113	198802	3.66	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	98558	4.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	103309	5.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	231465	4.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	74880	1.31	ng/ul	0.01
43) Dimethylphthalate-d6	13.92	166	744385	4.22	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	923537	4.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	86892	3.31	ng/ul	0.02
57) Fluorene-d10	15.50	176	649383	4.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	10182	0.46	ng/ul	0.02
70) Anthracene-d10	17.35	188	996010	4.53	ng/ul	0.00
76) Pyrene-d10	19.64	212	963044	5.73	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.59	264	743300	4.34	ng/ul	0.02

Target Compounds

					Ovalue	
34) 2-Methylnaphthalene	12.33	142	273097	2.133	ng/ul	98
44) Dimethylphthalate	13.97	163	217394	1.246	ng/ul	99
47) Acenaphthylene	14.23	152	605283	3.040	ng/ul#	95
49) Acenaphthene	14.57	153	210564	1.544	ng/ul	99
58) Fluorene	15.56	166	540283	3.166	ng/ul#	97
69) Phenanthrene	17.30	178	4229805	16.970	ng/ul	99
71) Anthracene	17.39	178	813907	3.159	ng/ul	99
74) Fluoranthene	19.31	202	3405935	12.059	ng/ul#	95
77) Pyrene	19.67	202	5380687	25.821	ng/ul#	94
80) Benzo(a)anthracene	21.41	228	1801901	8.212	ng/ul#	89
82) Chrysene	21.46	228	2072266	10.622	ng/ul#	94
85) Benzo(b)fluoranthene	23.04	252	1455267	6.534	ng/ul#	92
86) Benzo(k)fluoranthene	23.07	252	497048m	2.371	ng/ul	
88) Benzo(a)pyrene	23.63	252	1491261	7.023	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.08	276	888399	3.555	ng/ul	96
90) Dibenzo(a,h)anthracene	26.08	278	283486	1.338	ng/ul#	59
91) Benzo(g,h,i)perylene	26.80	276	823438	4.065	ng/ul#	90

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

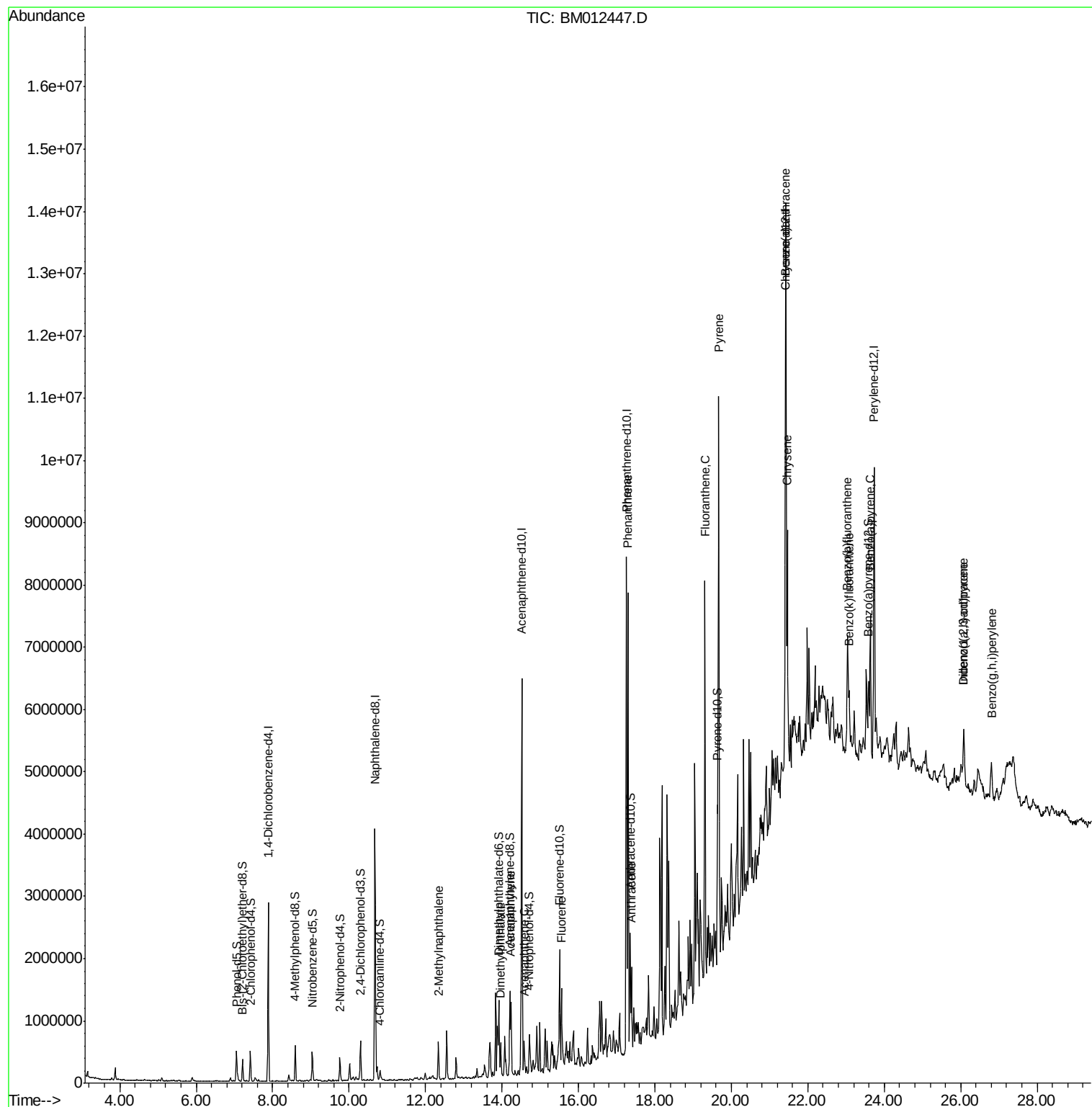
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012447.D
Acq On : 25 Oct 2017 16:05
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

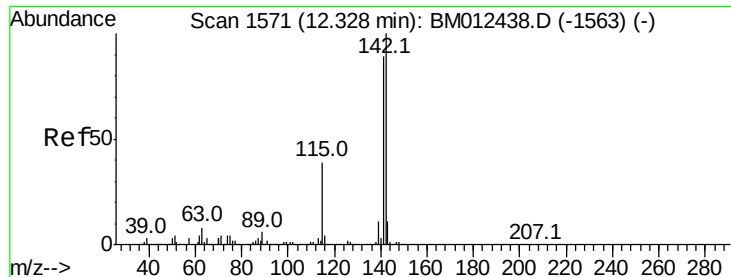
Instrument :
BNA_M
ClientSampleId :
B0CN1DL

Manual Integrations
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10/27/2017 8:53:58 AM

Quant Time: Oct 26 05:10:16 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 01:09:36 2017
Response via : Initial Calibration





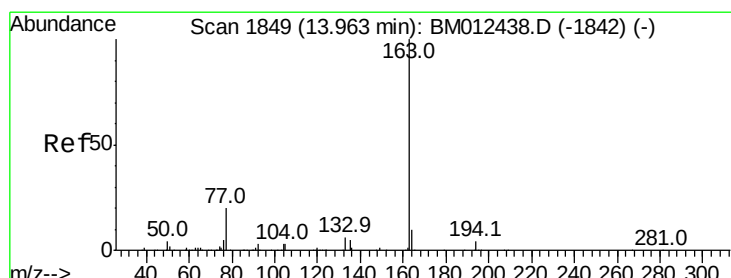
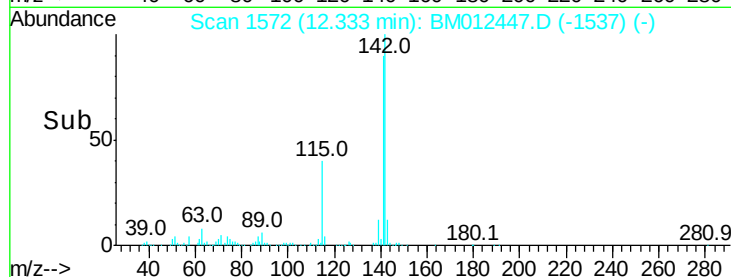
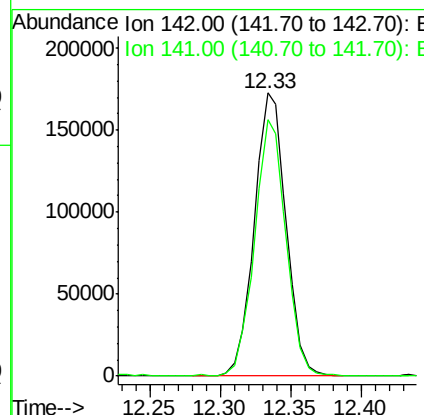
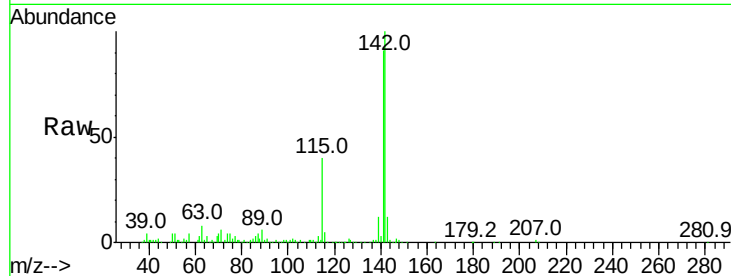
#34
 2-Methylnaphthalene
 Concen: 2.133 ng/ul
 RT: 12.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

Instrument :
 BNA_M
 ClientSampleId :
 B0CN1DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.7	74.1	111.1

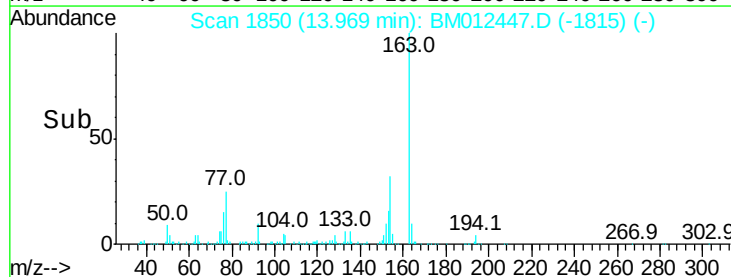
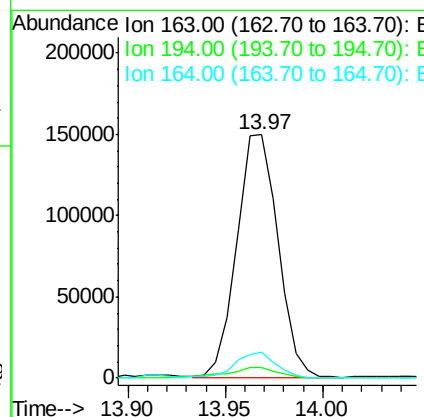
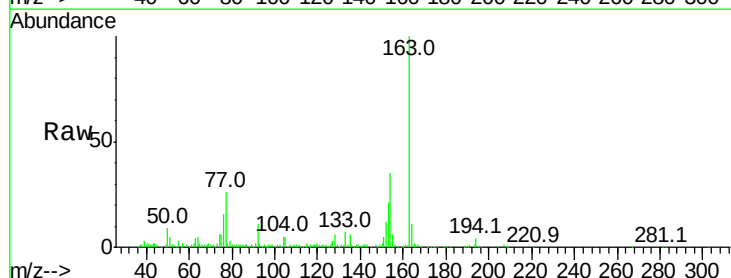
Manual Integrations
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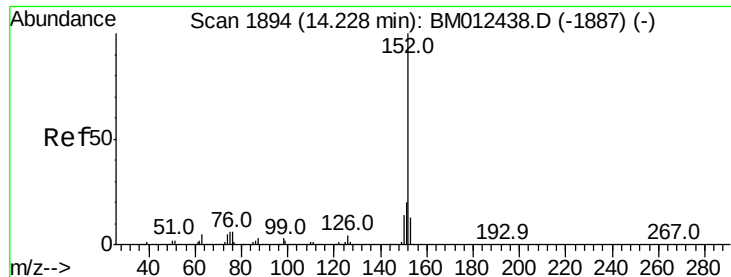
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#44
 Dimethylphthalate
 Concen: 1.246 ng/ul
 RT: 13.97 min Scan# 1850
 Delta R.T. 0.01 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.5	8.2	12.4





#47

Acenaphthylene

Concen: 3.040 ng/ul

RT: 14.23 min Scan# 1895

Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Instrument :

BNA_M

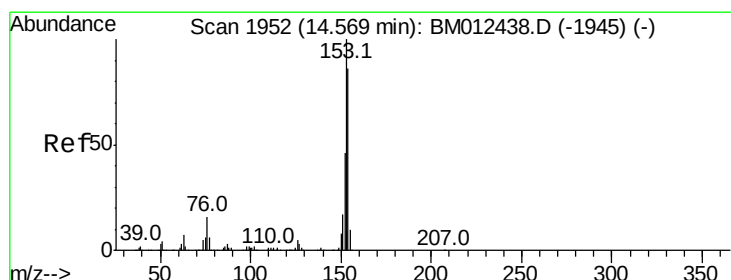
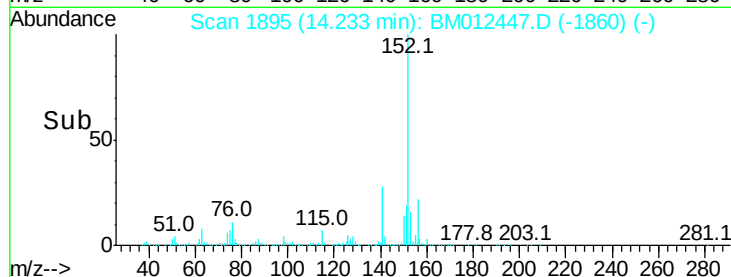
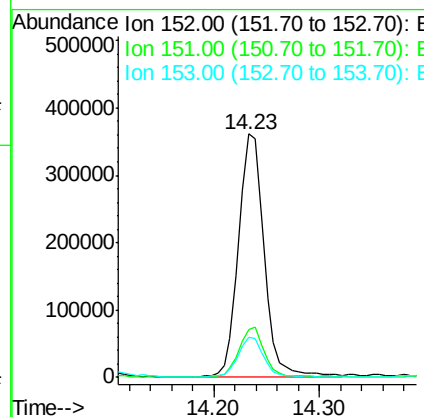
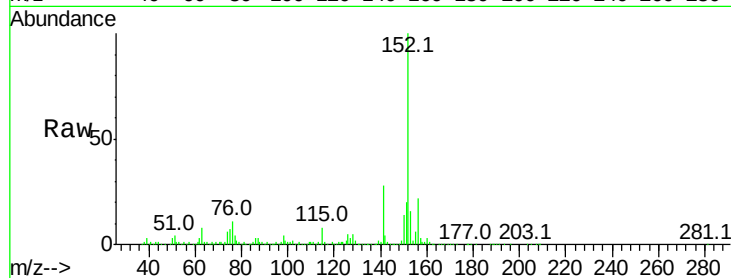
ClientSampleID :

B0CN1DL

Tot Ion:	152	Resp:	605283
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.3	24.5
153	16.4	10.2	15.4#

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#49

Acenaphthene

Concen: 1.544 ng/ul

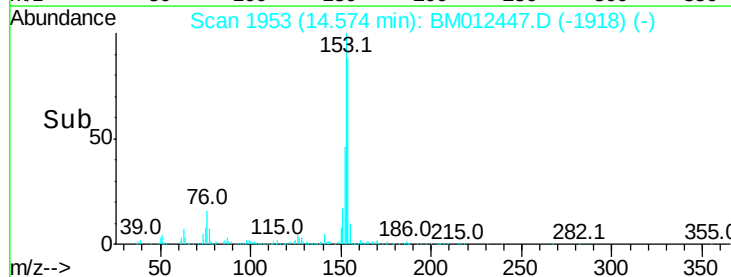
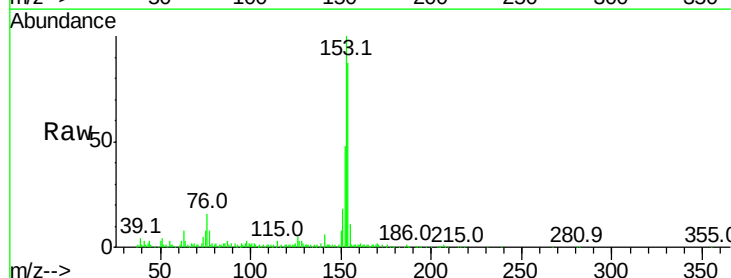
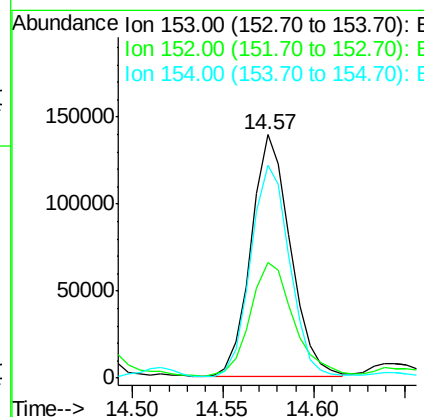
RT: 14.57 min Scan# 1953

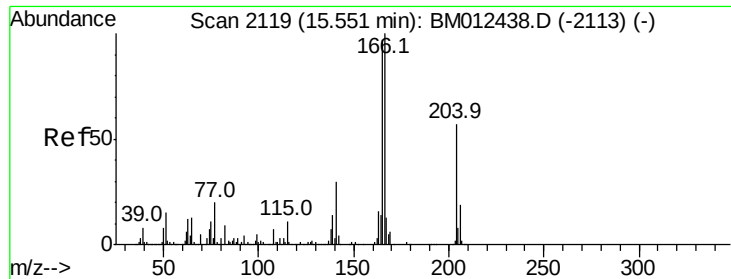
Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Tgt Ion:	153	Resp:	210564
Ion Ratio	Lower	Upper	
153	100		
152	47.6	37.6	56.4
154	87.4	70.4	105.6





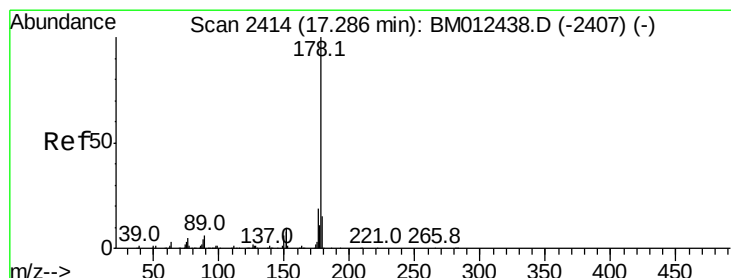
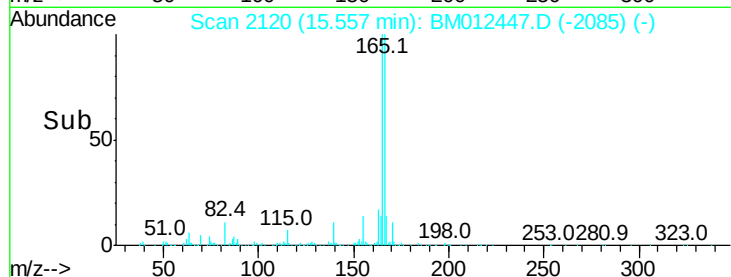
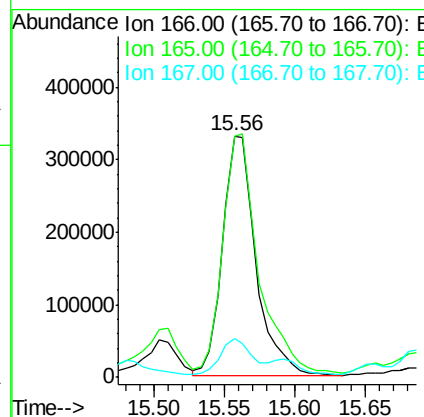
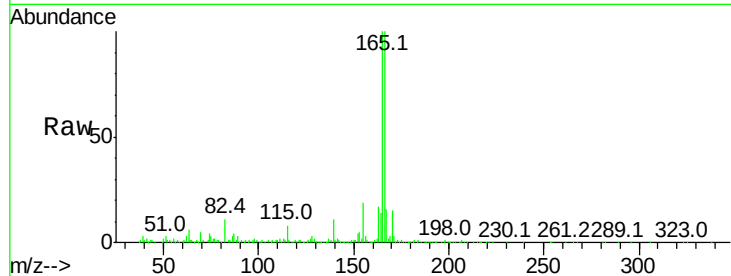
#58
 Fluorene
 Concen: 3.166 ng/ul
 RT: 15.56 min Scan# 2120
 Delta R.T. 0.01 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

Instrument :
 BNA_M
 ClientSampleId :
 B0CN1DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.9	116.9
167	16.0	10.6	16.0

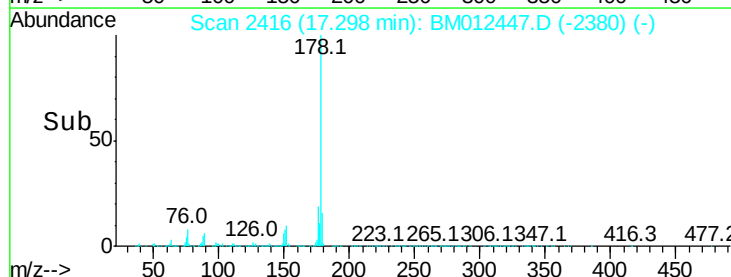
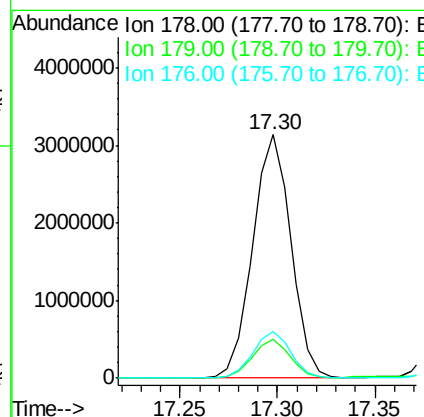
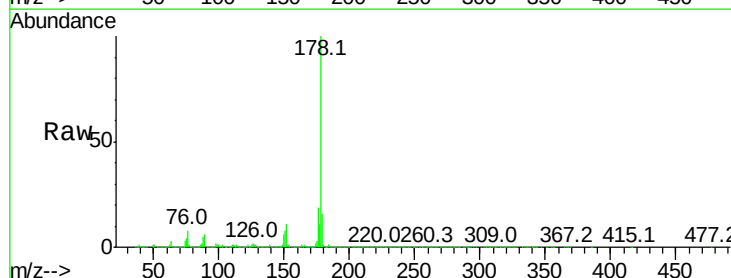
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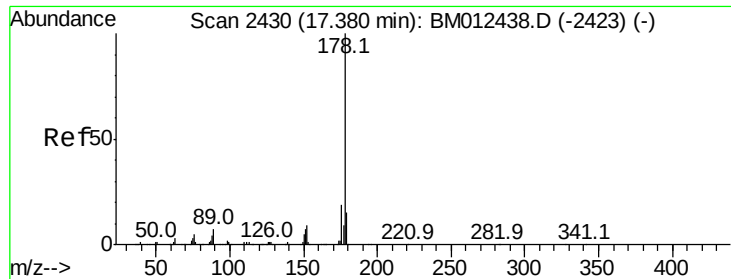
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#69
 Phenanthrene
 Concen: 16.970 ng/ul
 RT: 17.30 min Scan# 2416
 Delta R.T. 0.01 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	19.0
176	19.3	14.9	22.3





#71

Anthracene

Concen: 3.159 ng/ul

RT: 17.39 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Instrument :

BNA_M

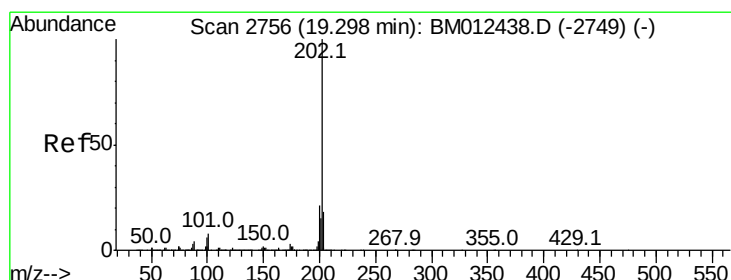
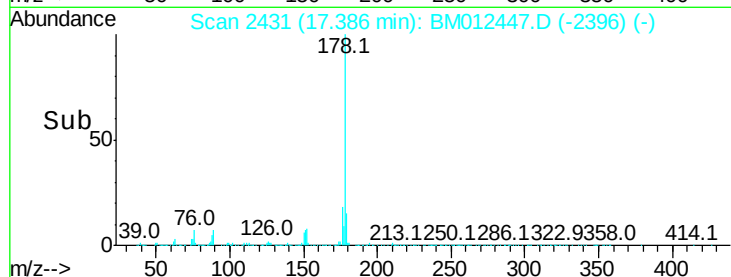
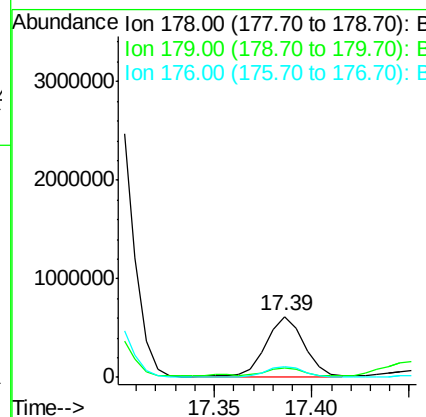
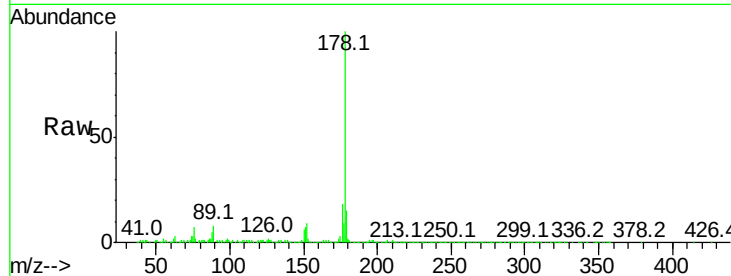
ClientSampleId :

B0CN1DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	17.9	14.6	21.8

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#74

Fluoranthene

Concen: 12.059 ng/ul

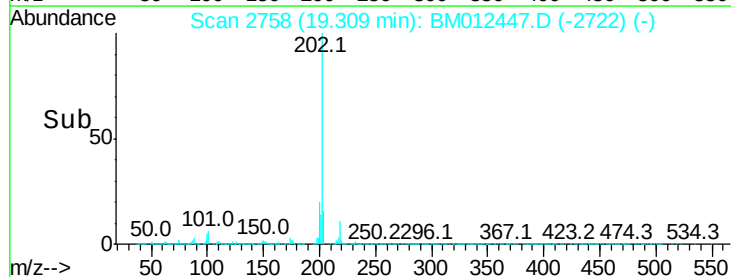
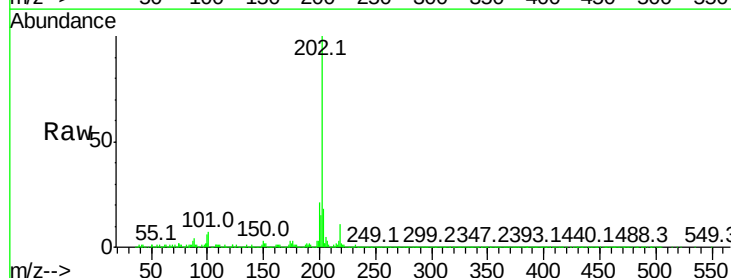
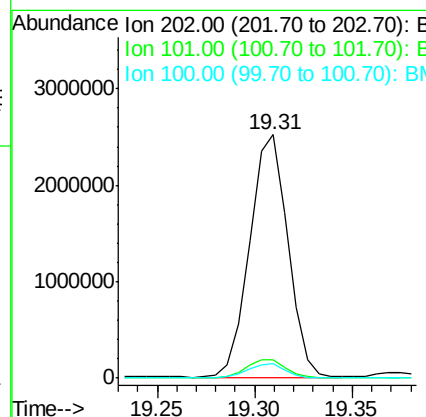
RT: 19.31 min Scan# 2758

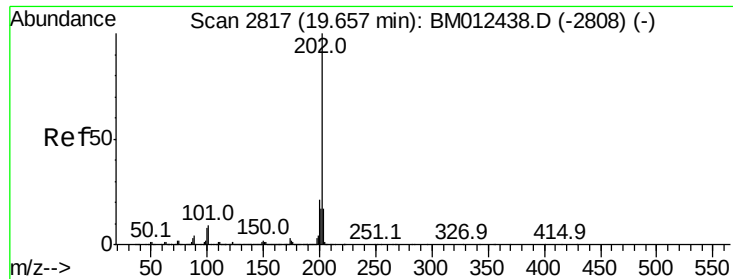
Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	4.6	7.0#
100	5.8	3.4	5.2#





#77

Pvrene

Concen: 25.821 ng/ul

RT: 19.67 min Scan# 2819

Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Instrument :

BNA_M

ClientSampled :

B0CN1DL

Tot Ion:202 Resp: 5380687

Ion Ratio Lower Upper

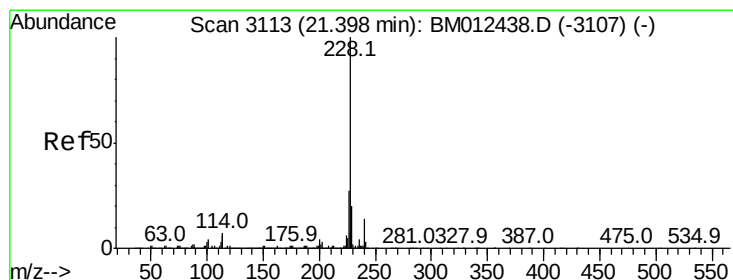
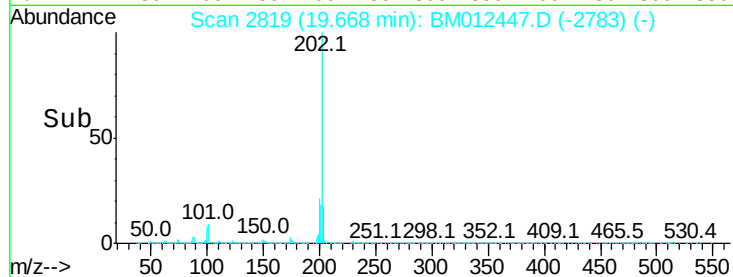
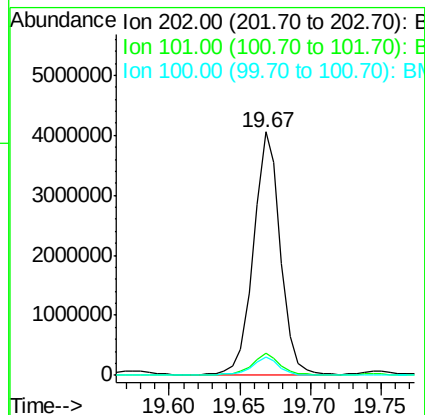
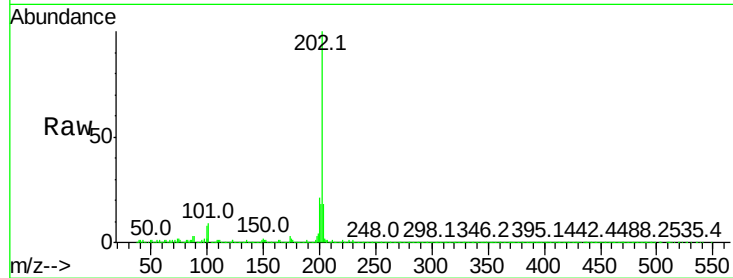
202 100

101 9.1 5.1 7.7#

100 7.7 4.9 7.3#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 8.212 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

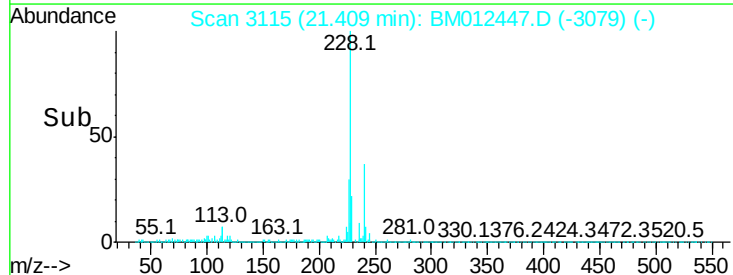
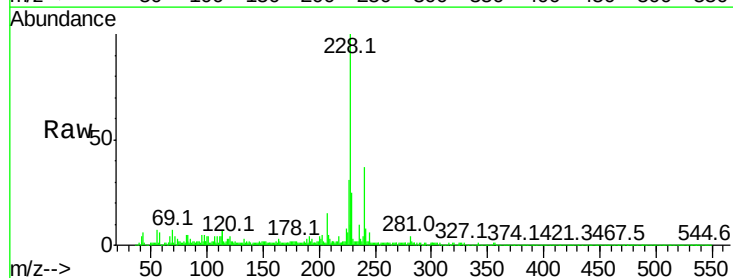
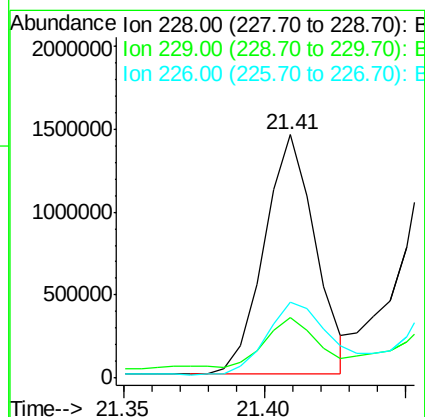
Tgt Ion:228 Resp: 1801901

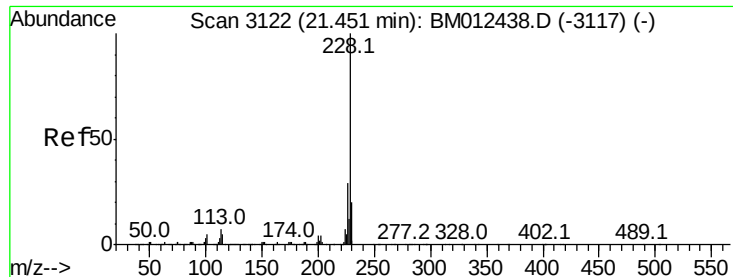
Ion Ratio Lower Upper

228 100

229 24.9 15.4 23.0#

226 31.4 21.4 32.0





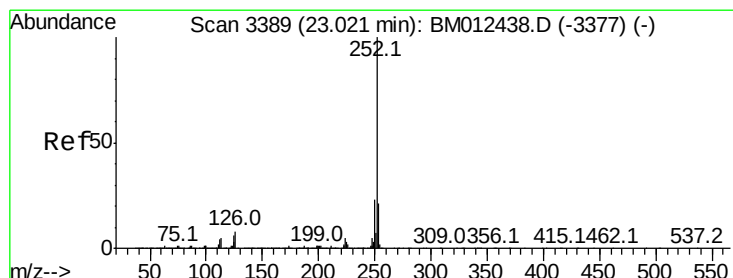
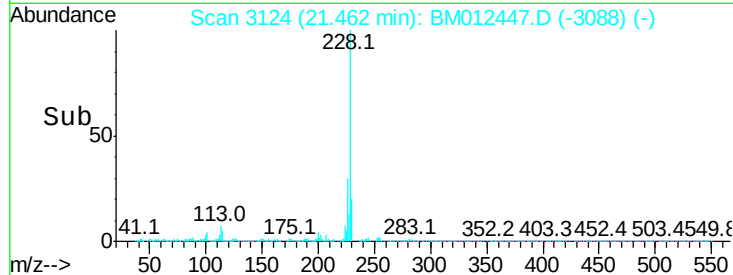
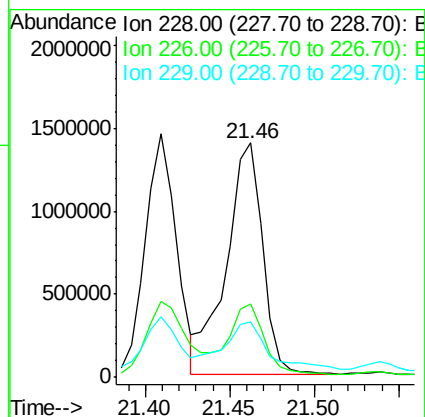
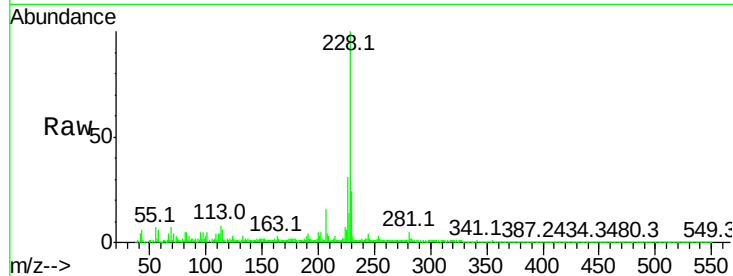
#82
Chrysene
Concen: 10.622 ng/ul
RT: 21.46 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM012447.D
Acq: 25 Oct 2017 16:05

Instrument :
BNA_M
ClientSampleId :
B0CN1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.4	35.2
229	23.6	15.5	23.3#

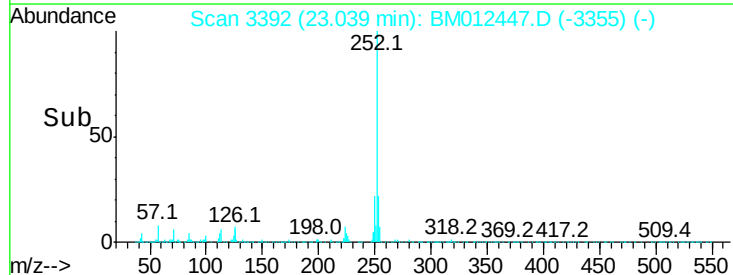
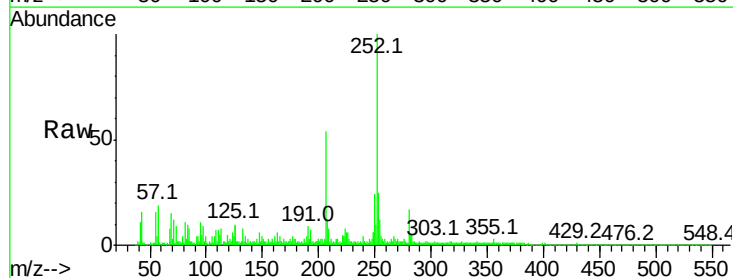
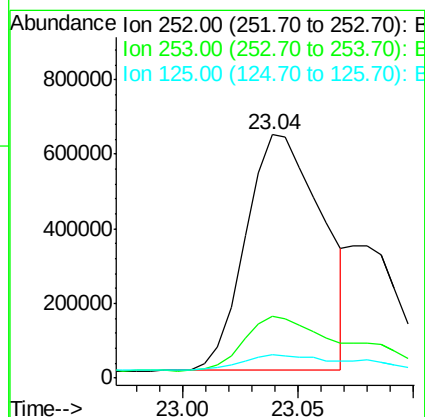
Manual Integrations
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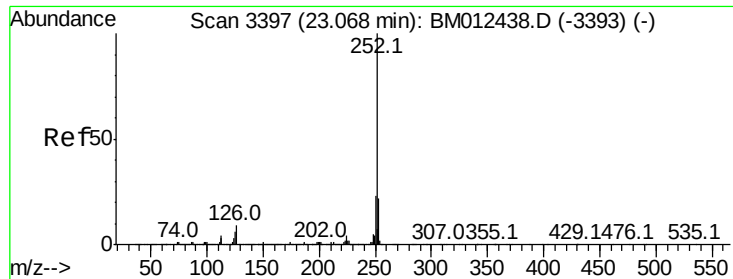
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#85
Benzo(b)fluoranthene
Concen: 6.534 ng/ul
RT: 23.04 min Scan# 3392
Delta R.T. 0.02 min
Lab File: BM012447.D
Acq: 25 Oct 2017 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	9.5	3.6	5.4#





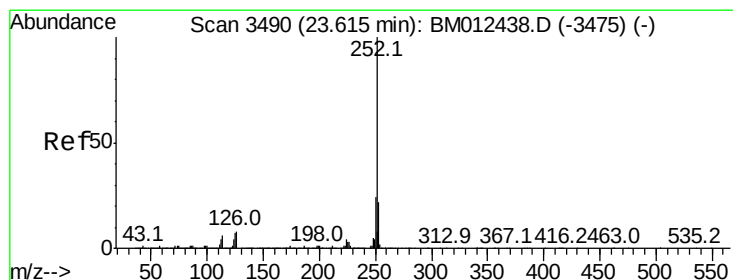
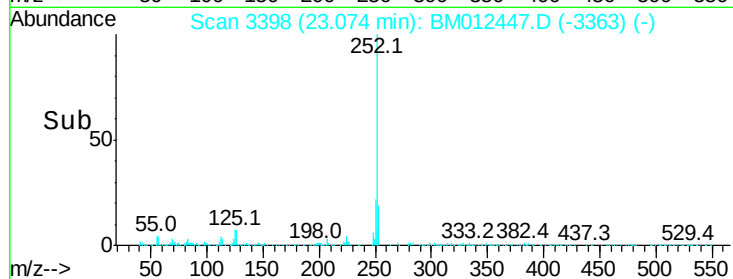
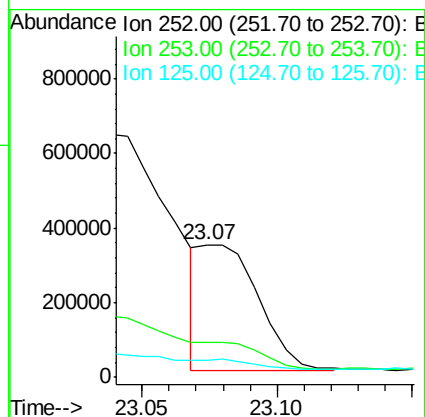
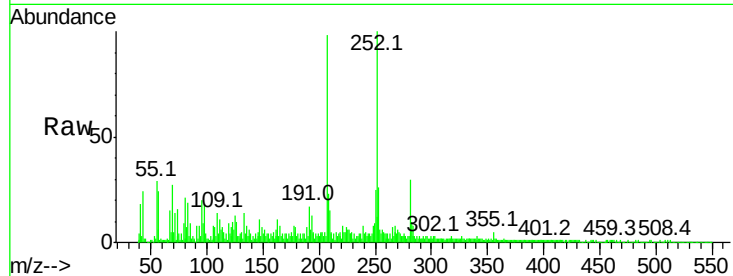
#86
Benzo(k)fluoranthene
Concen: 2.371 ng/ul m
RT: 23.07 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM012447.D
Acq: 25 Oct 2017 16:05

Instrument :
BNA_M
ClientSampleId :
B0CN1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.1	25.7#
125	13.2	3.4	5.2#

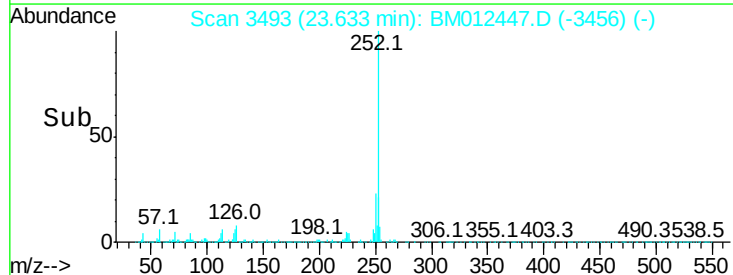
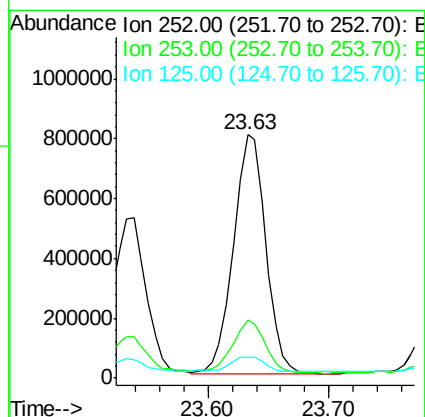
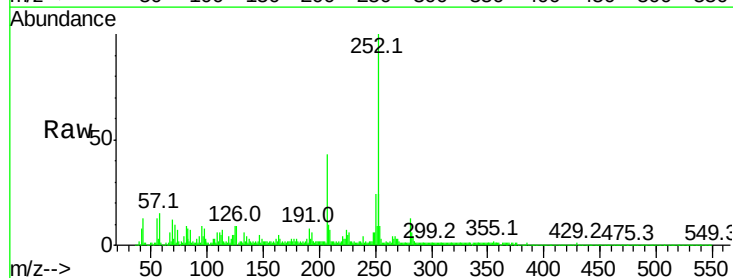
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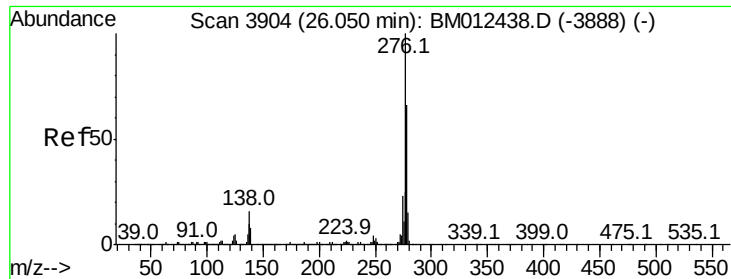
Sohil
10/27/2017 8:53:58 AM



#88
Benzo(a)pyrene
Concen: 7.023 ng/ul
RT: 23.63 min Scan# 3493
Delta R.T. 0.02 min
Lab File: BM012447.D
Acq: 25 Oct 2017 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	8.8	4.0	6.0#





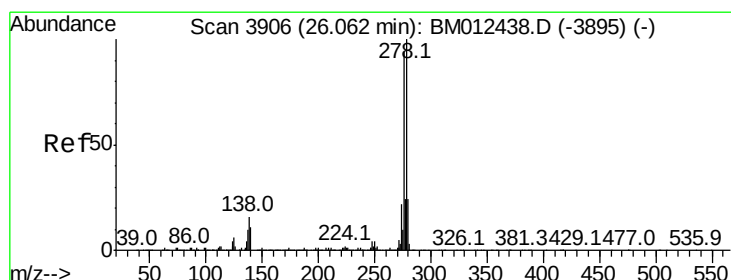
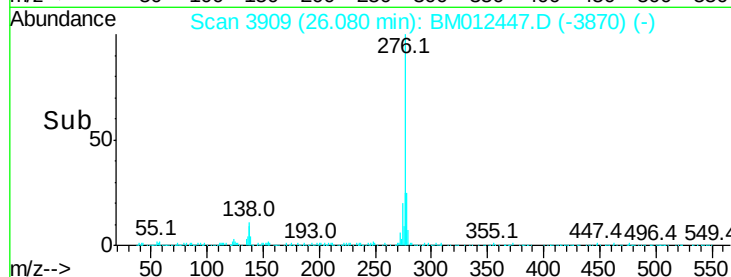
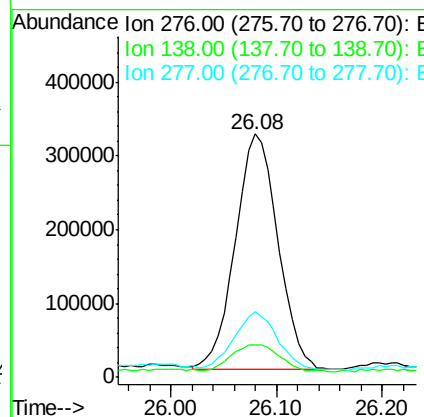
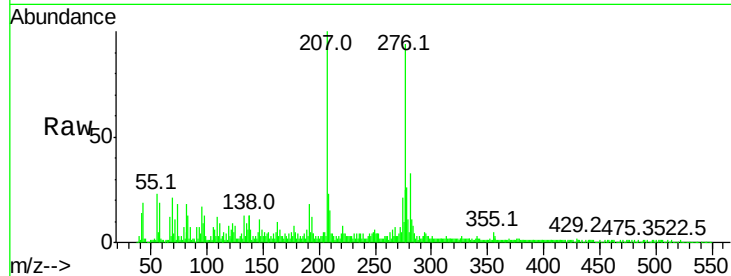
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 3.555 ng/ul
 RT: 26.08 min Scan# 3909
 Delta R.T. 0.03 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

Instrument :
 BNA_M
 ClientSampleId :
 B0CN1DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	13.3	9.3	13.9
277	26.9	19.9	29.9

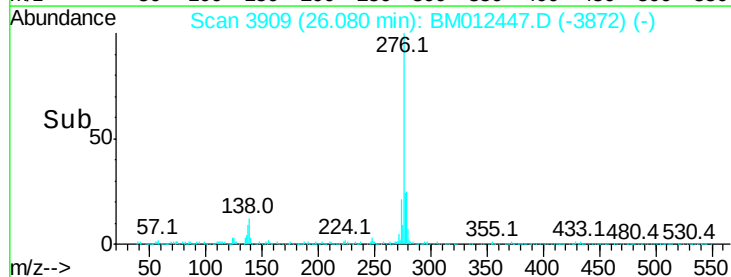
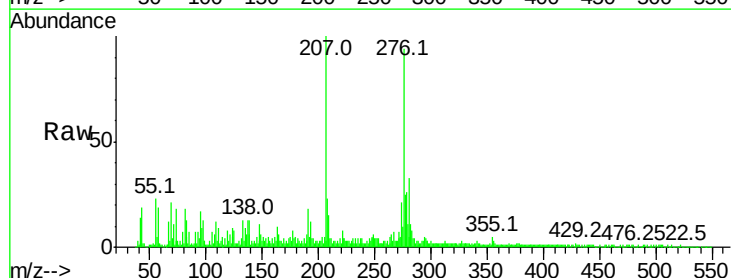
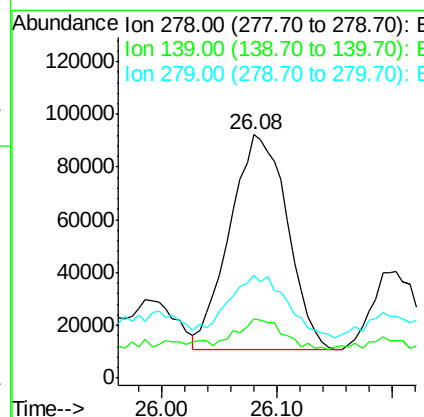
Manual Integrations
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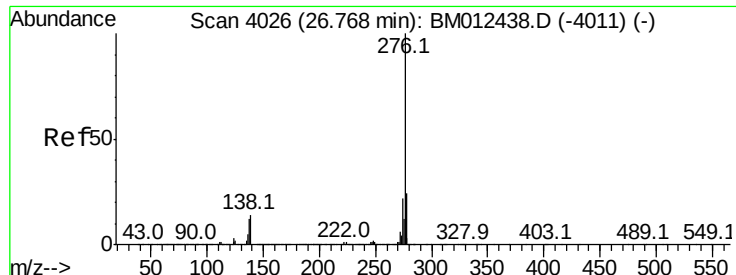
Sohil
 10/27/2017 8:53:58 AM



#90
 Dibenzo(a,h)anthracene
 Concen: 1.338 ng/ul
 RT: 26.08 min Scan# 3909
 Delta R.T. 0.02 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	24.2	5.8	8.8#
279	42.0	18.6	27.8#





#91
 Benzo(a,h,i)perylene
 Concen: 4.065 ng/ul
 RT: 26.80 min Scan# 4032
 Delta R.T. 0.03 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

Instrument :
 BNA_M
 ClientSampleId :
 B0CN1DL

Tot Ion:	276	Resp:	823438
Ion Ratio	Lower	Upper	
276	100		
138	15.2	8.5	12.7#
277	27.9	18.6	28.0

Manual Integrations
 APPROVED

Sohil
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