

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012517.D
 Acq On : 28 Oct 2017 10:14
 Operator : SJ/JU
 Sample : I5786-04 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-38(0-1)_100917

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:31:11 PM

Quant Time: Oct 30 15:58:19 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 30 05:30:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	682277	20.00	ng/ul	0.01
18) Naphthalene-d8	10.67	136	2352880	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.50	164	1261080	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	2510395	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2784973	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	3176223	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.36	96	23506	1.76	ng/uL	0.00
5) Phenol-d5	7.05	99	505374	8.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	1139947	33.69	ng/ul	0.02
9) 2-Chlorophenol-d4	7.42	132	352482	8.26	ng/ul	0.01
13) 4-Methylphenol-d8	8.57	113	403679	8.29	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	163232	11.08	ng/ul	0.01
22) 2-Nitrophenol-d4	9.76	143	178903	11.78	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.29	165	340036	8.46	ng/ul	0.01
29) 4-Chloroaniline-d4	10.79	131	1994100	47.03	ng/ul	0.00
43) Dimethylphthalate-d6	13.91	166	1002660	9.10	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	1245667	9.56	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	52269	3.19	ng/ul	0.00
57) Fluorene-d10	15.49	176	812710	8.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	16228	1.34	ng/ul	0.00
70) Anthracene-d10	17.34	188	1160705	9.70	ng/ul	0.00
76) Pyrene-d10	19.63	212	1236666	9.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	1422160	9.42	ng/ul	0.00
Target Compounds				Ovalue		
6) Phenol	7.07	94	158132	2.665	ng/ul#	51
49) Acenaphthene	14.57	153	241399	2.834	ng/ul	99
53) Dibenzofuran	14.90	168	188747	1.497	ng/ul	96
58) Fluorene	15.55	166	156389	1.467	ng/ul#	95
69) Phenanthrene	17.29	178	808939	5.959	ng/ul	99
71) Anthracene	17.37	178	224534m	1.600	ng/ul	
74) Fluoranthene	19.30	202	1123921	7.306	ng/ul#	92
77) Pyrene	19.66	202	1057709	6.679	ng/ul#	91
80) Benzo(a)anthracene	21.40	228	646571	3.877	ng/ul	94
81) Bis(2-ethylhexyl)phthalate	21.33	149	834983	8.796	ng/ul	99
82) Chrysene	21.45	228	604984m	4.080	ng/ul	
85) Benzo(b)fluoranthene	23.03	252	898247	4.575	ng/ul#	81
86) Benzo(k)fluoranthene	23.07	252	328979m	1.780	ng/ul	
88) Benzo(a)pyrene	23.62	252	664532	3.550	ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	26.07	276	542779	2.464	ng/ul#	91
91) Benzo(g,h,i)perylene	26.79	276	475299	2.662	ng/ul#	87

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

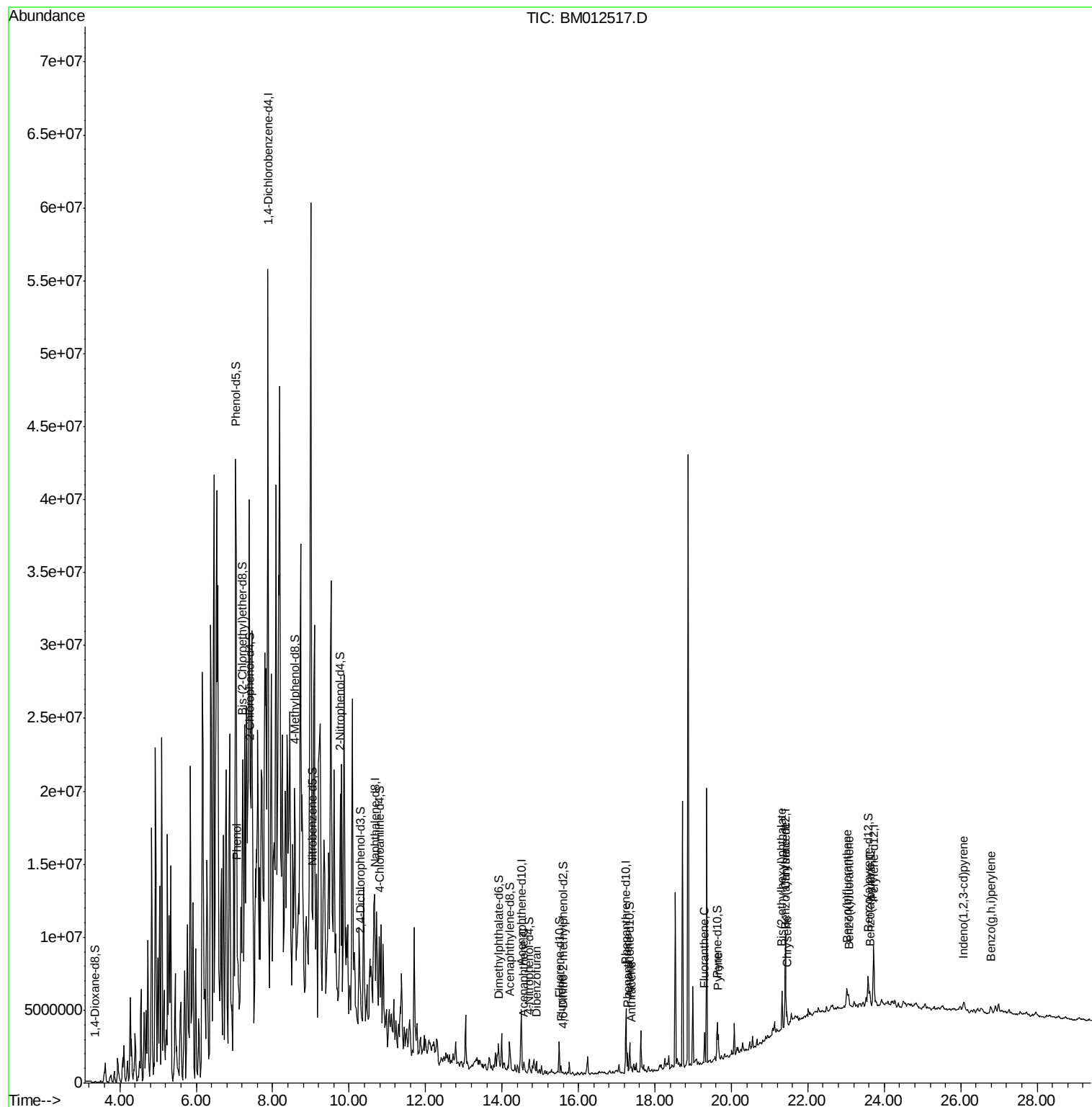
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012517.D
Acq On : 28 Oct 2017 10:14
Operator : SJ/JU
Sample : I5786-04 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

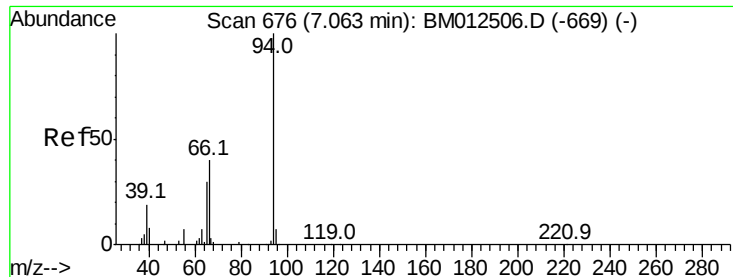
Instrument :
BNA_M
ClientSampleId :
B-38(0-1) 100917

Manual Integrations
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Quant Time: Oct 30 15:58:19 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 30 05:30:34 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.665 ng/ul

RT: 7.07 min Scan# 677

Delta R.T. 0.01 min

Lab File: BM012517.D

Acq: 28 Oct 2017 10:14

Instrument :

BNA_M

ClientSampleId :

B-38(0-1)_100917

Tot Ion: 94 Resp: 158132

Ion Ratio Lower Upper

94 100

65 88.7 28.2 42.4#

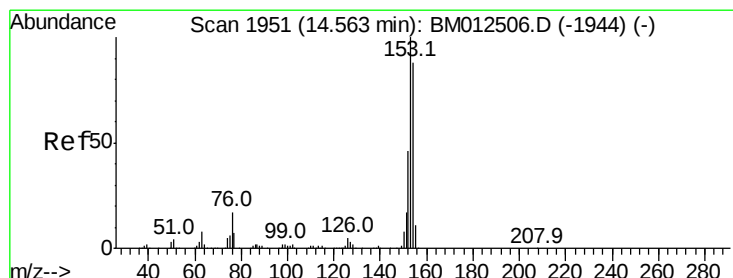
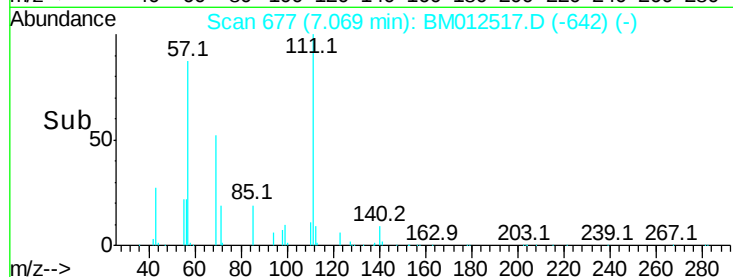
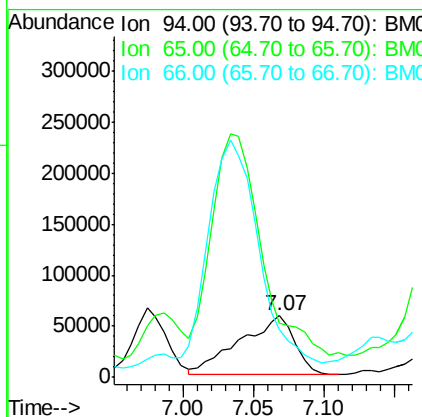
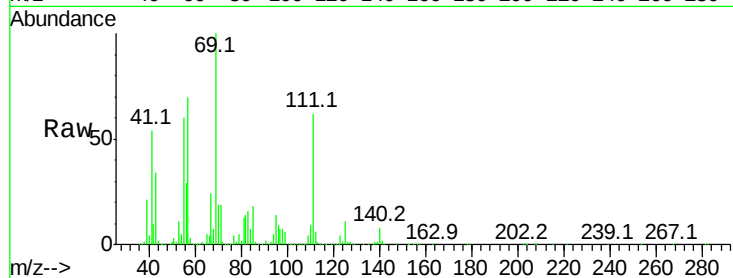
66 76.6 47.2 70.8#

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#49

Acenaphthene

Concen: 2.834 ng/ul

RT: 14.57 min Scan# 1952

Delta R.T. 0.01 min

Lab File: BM012517.D

Acq: 28 Oct 2017 10:14

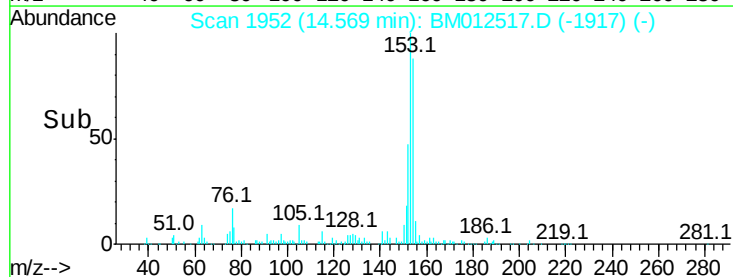
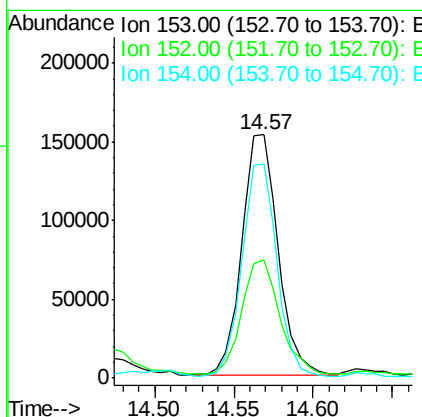
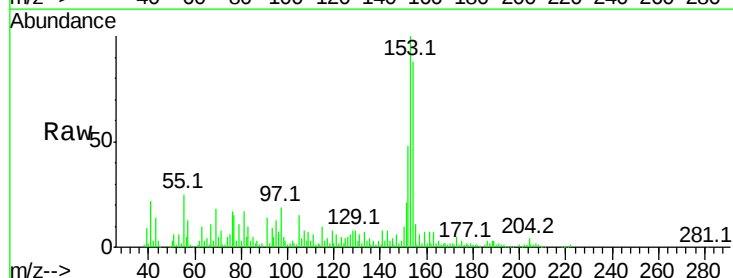
Tgt Ion: 153 Resp: 241399

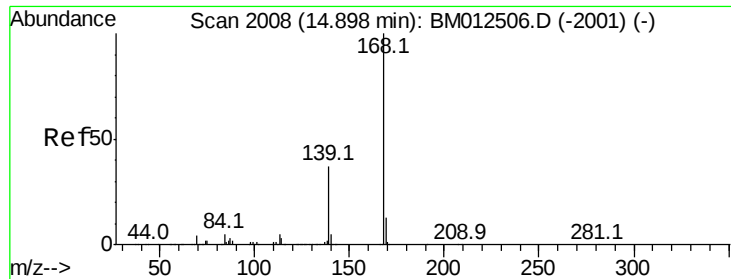
Ion Ratio Lower Upper

153 100

152 48.3 37.6 56.4

154 87.9 70.4 105.6





#53

Dibenzenofuran

Concen: 1.497 ng/ul

RT: 14.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BM012517.D

Acq: 28 Oct 2017 10:14

Instrument :

BNA_M

ClientSampleId :

B-38(0-1)_100917

Tot Ion:168 Resp: 188747

Ion Ratio Lower Upper

168 100

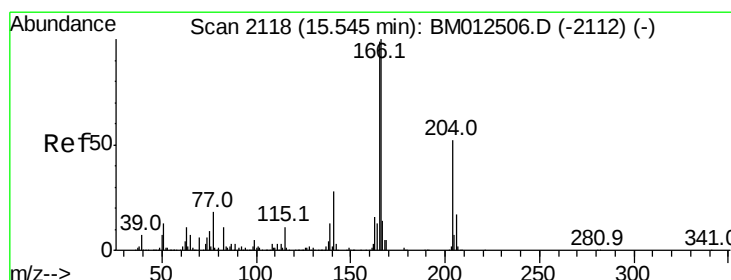
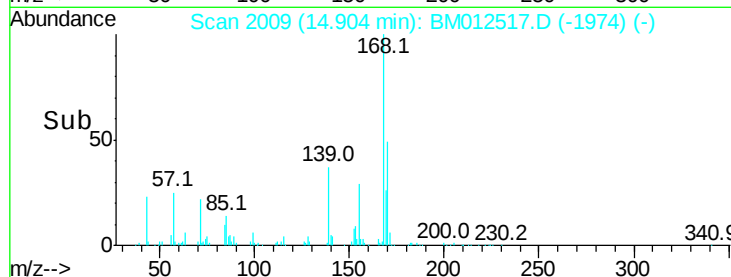
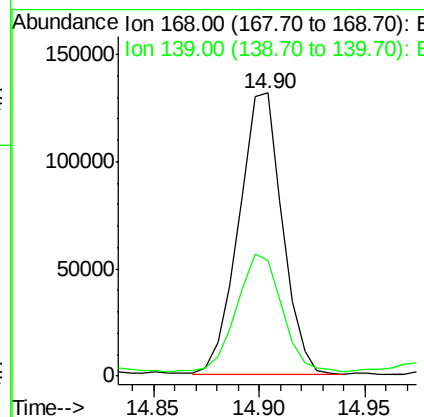
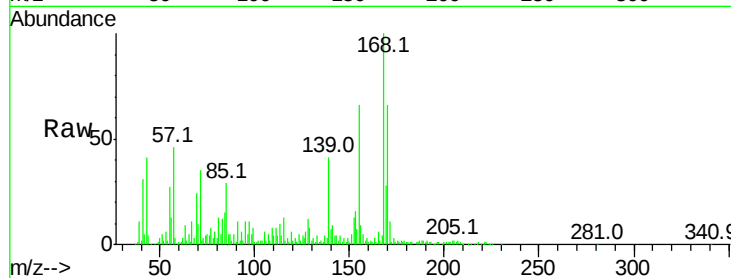
139 40.7 30.8 46.2

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#58

Fluorene

Concen: 1.467 ng/ul

RT: 15.55 min Scan# 2119

Delta R.T. 0.01 min

Lab File: BM012517.D

Acq: 28 Oct 2017 10:14

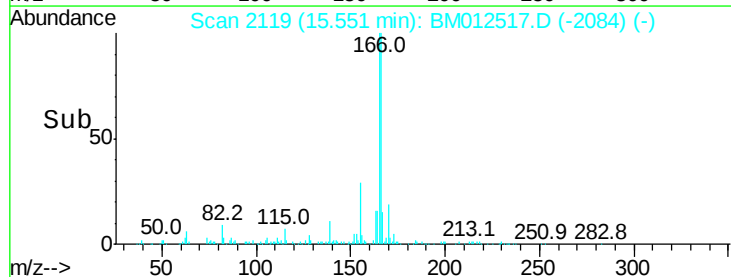
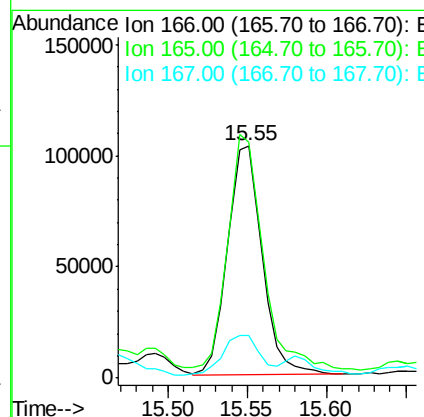
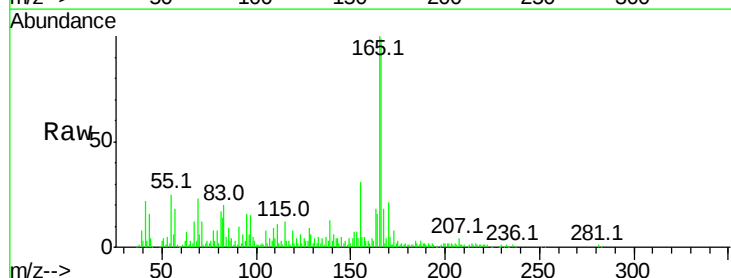
Tgt Ion:166 Resp: 156389

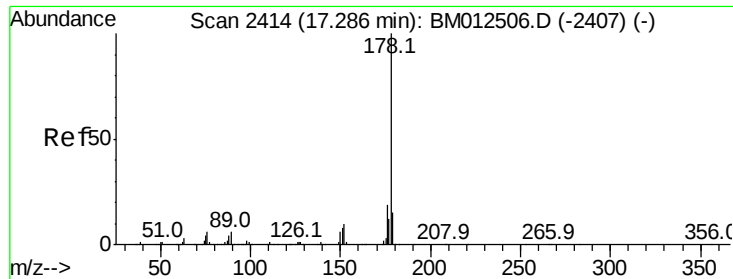
Ion Ratio Lower Upper

166 100

165 101.5 77.9 116.9

167 18.2 10.6 16.0#





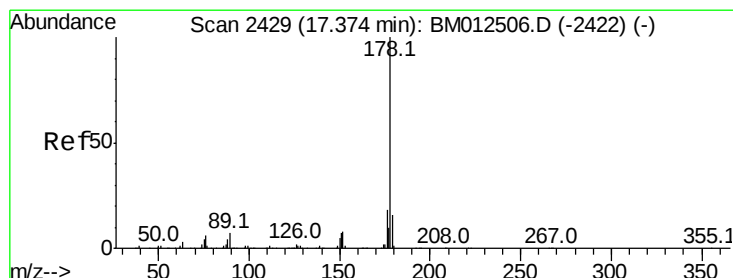
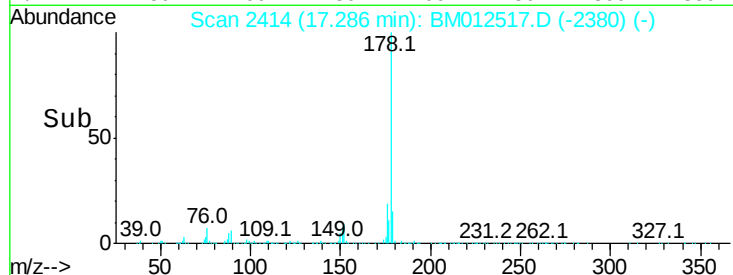
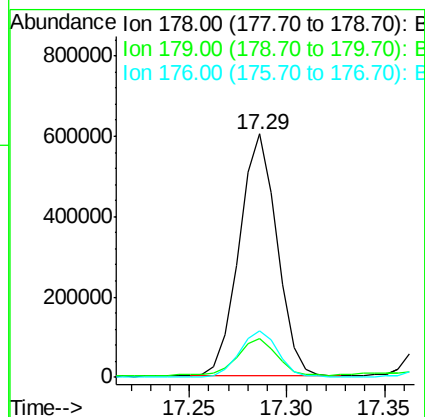
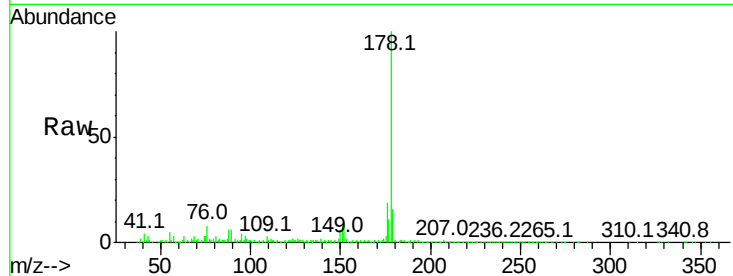
#69
 Phenanthrene
 Concen: 5.959 ng/ul
 RT: 17.29 min Scan# 2414
 Delta R.T. 0.00 min
 Lab File: BM012517.D
 Acq: 28 Oct 2017 10:14

Instrument :
 BNA_M
 ClientSampleId :
 B-38(0-1)_100917

Tot Ion:178	Resp:	808939
Ion Ratio	Lower	Upper
178 100		
179 15.9	12.6	19.0
176 19.1	14.9	22.3

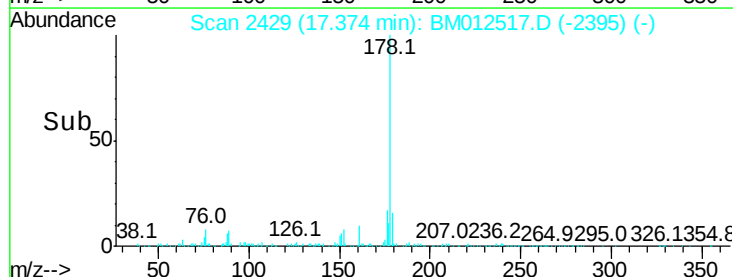
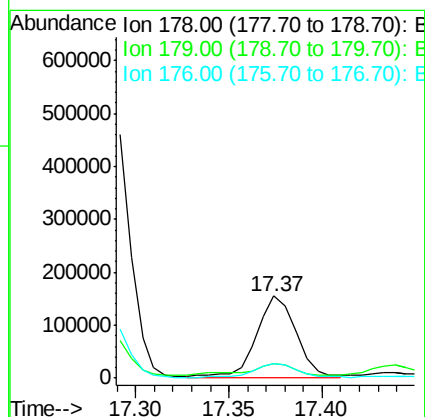
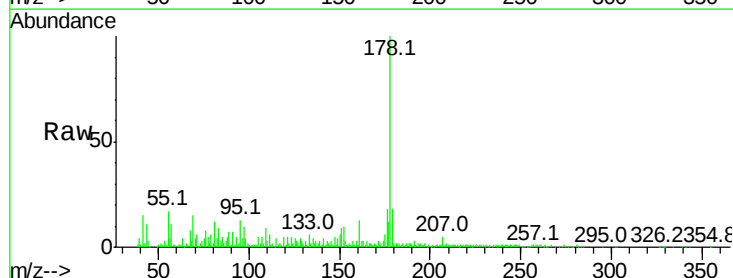
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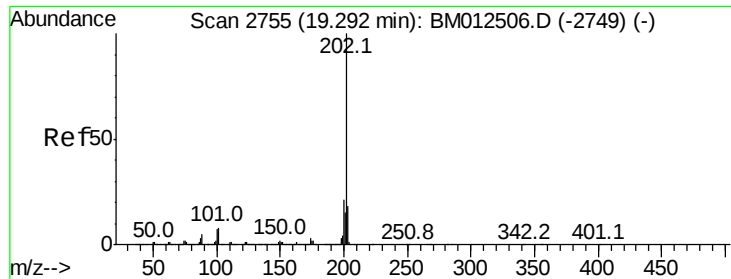
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#71
 Anthracene
 Concen: 1.600 ng/ul m
 RT: 17.37 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: BM012517.D
 Acq: 28 Oct 2017 10:14

Tgt Ion:178	Resp:	224534
Ion Ratio	Lower	Upper
178 100		
179 17.6	11.7	17.5#
176 17.7	14.6	21.8





#74

Fluoranthene

Concen: 7.306 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BM012517.D

Acq: 28 Oct 2017 10:14

Instrument :

BNA_M

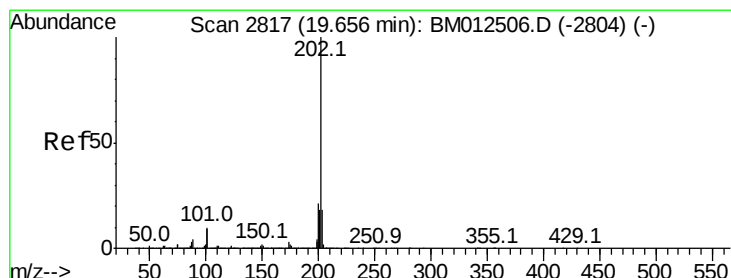
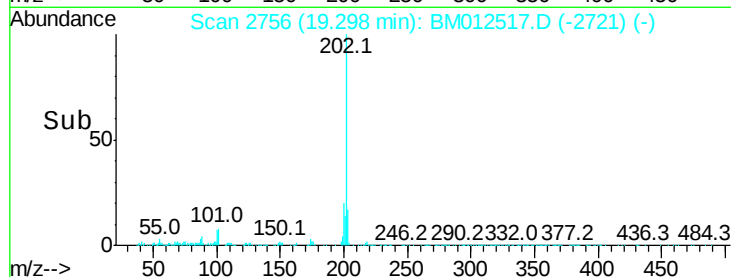
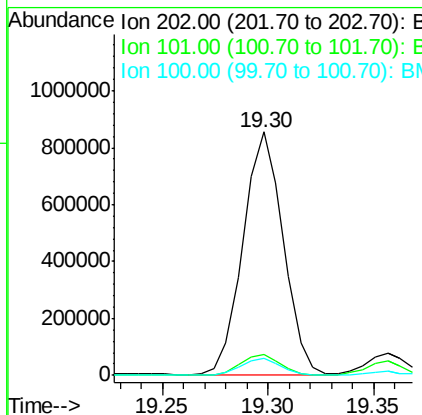
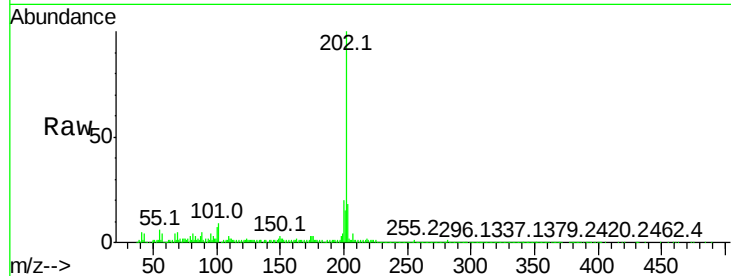
ClientSampleId :

B-38(0-1)_100917

Tot Ion:	202	Resp:	1123921
Ion Ratio	Lower	Upper	
202	100		
101	8.6	4.6	7.0#
100	7.1	3.4	5.2#

Manual Integrations
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#77

Pyrene

Concen: 6.679 ng/ul

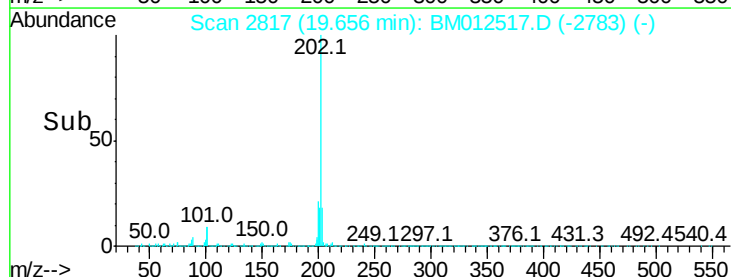
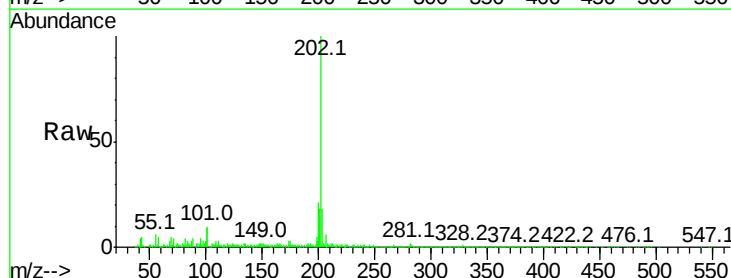
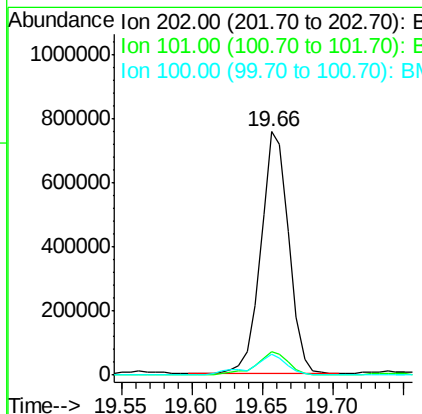
RT: 19.66 min Scan# 2817

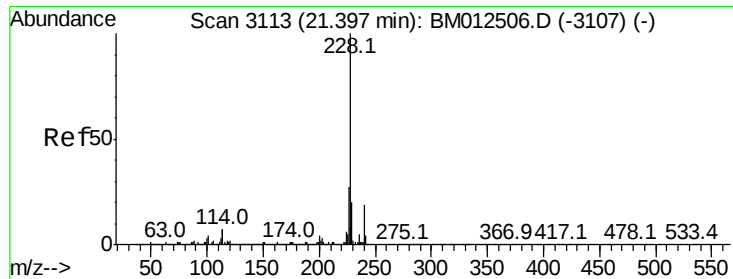
Delta R.T. 0.00 min

Lab File: BM012517.D

Acq: 28 Oct 2017 10:14

Tgt Ion:	202	Resp:	1057709
Ion Ratio	Lower	Upper	
202	100		
101	9.6	5.1	7.7#
100	8.8	4.9	7.3#





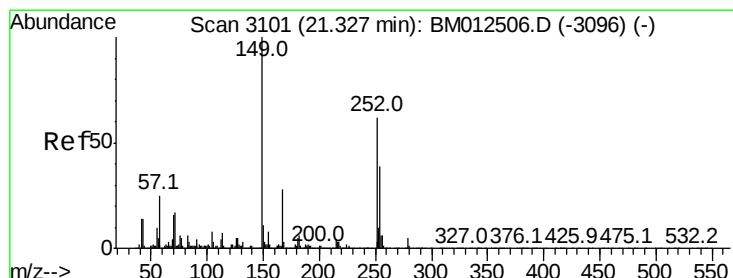
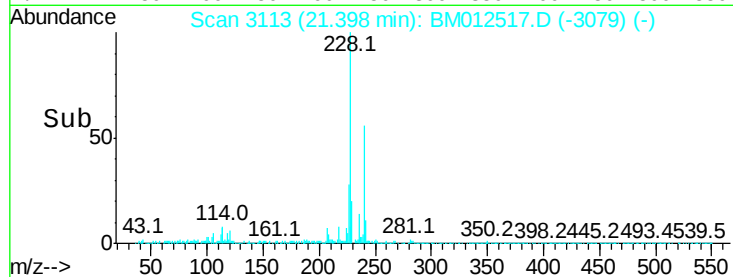
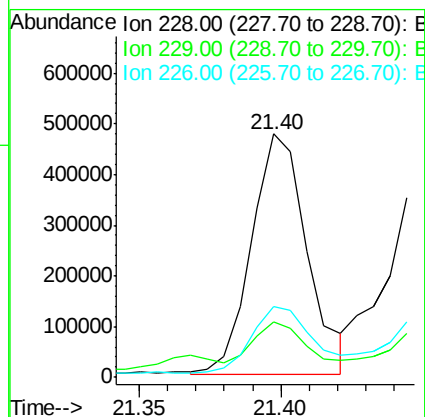
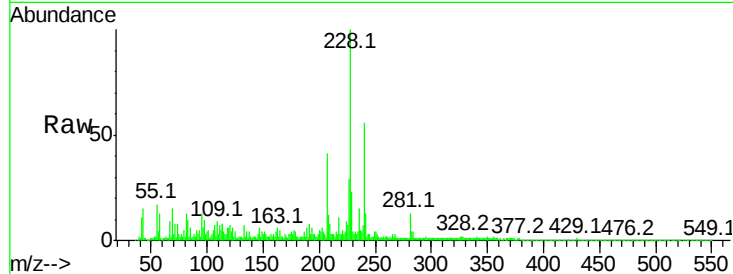
#80
Benzo(a)anthracene
Concen: 3.877 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM012517.D
Acq: 28 Oct 2017 10:14

Instrument :
BNA_M
ClientSampleId :
B-38(0-1)_100917

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.7	15.4	23.0
226	28.9	21.4	32.0

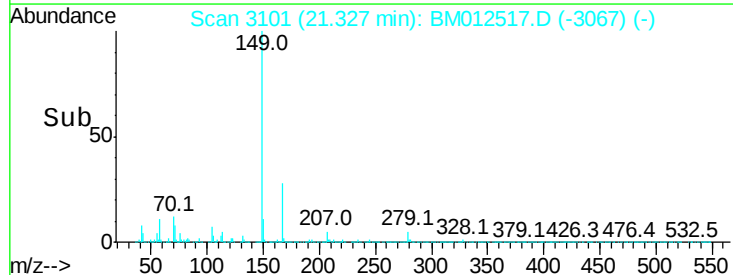
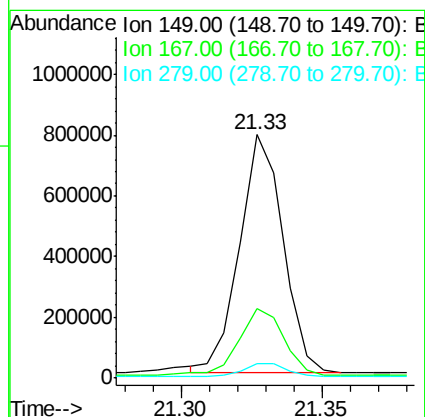
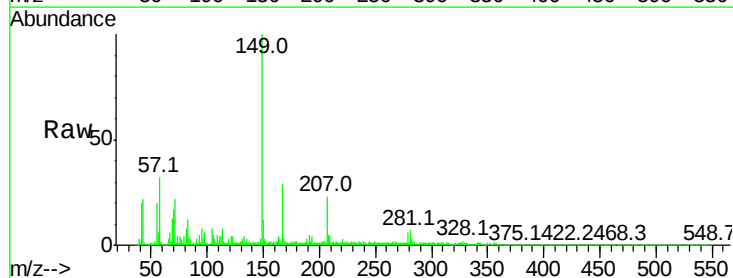
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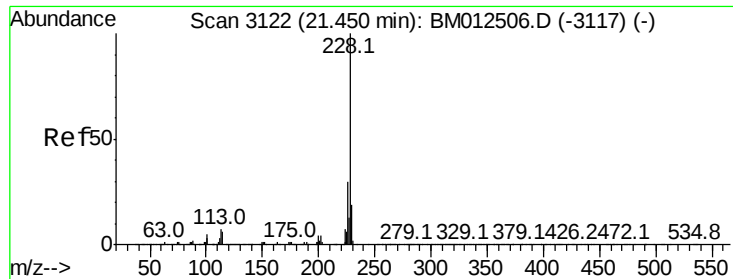
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#81
Bis(2-ethylhexyl)phthalate
Concen: 8.796 ng/ul
RT: 21.33 min Scan# 3101
Delta R.T. 0.00 min
Lab File: BM012517.D
Acq: 28 Oct 2017 10:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.8	34.2
279	5.9	4.9	7.3





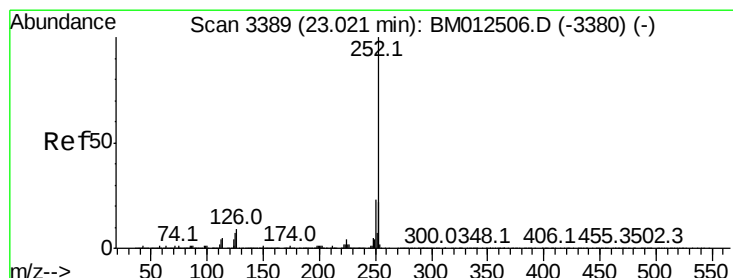
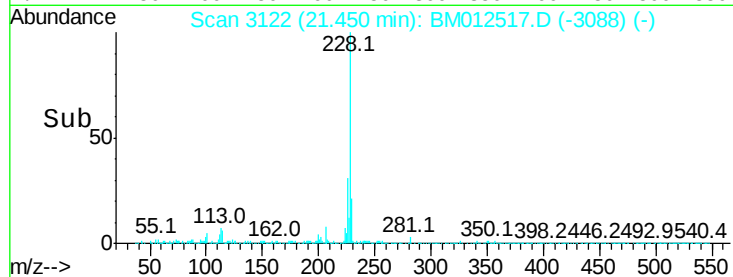
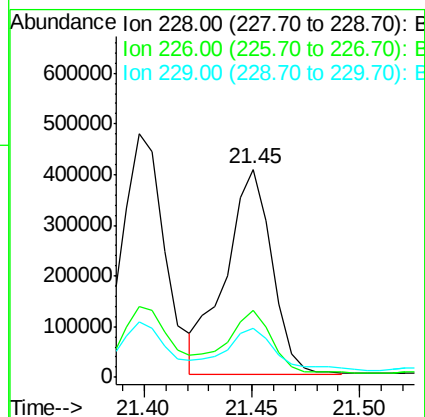
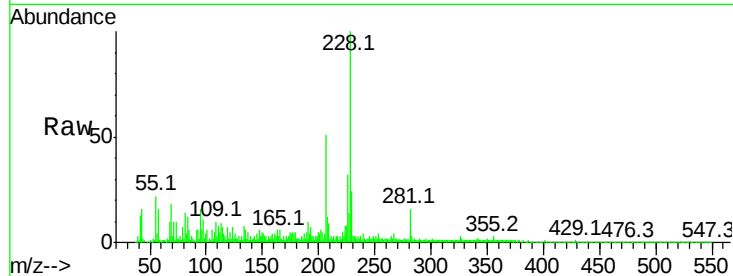
#82
Chrysene
Concen: 4.080 ng/ul m
RT: 21.45 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM012517.D
Acq: 28 Oct 2017 10:14

Instrument :
BNA_M
ClientSampleId :
B-38(0-1)_100917

Tot Ion	Ratio	Resp	Lower	Upper
228	100	604984		
226	32.2		23.4	35.2
229	23.8		15.5	23.3#

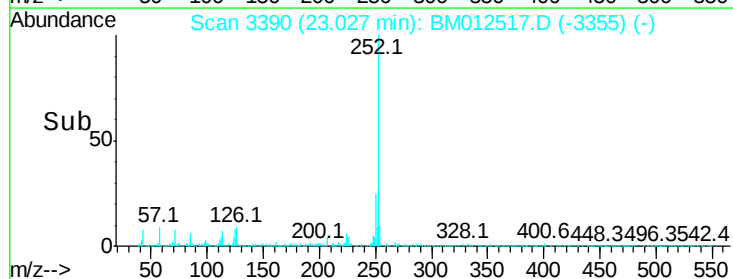
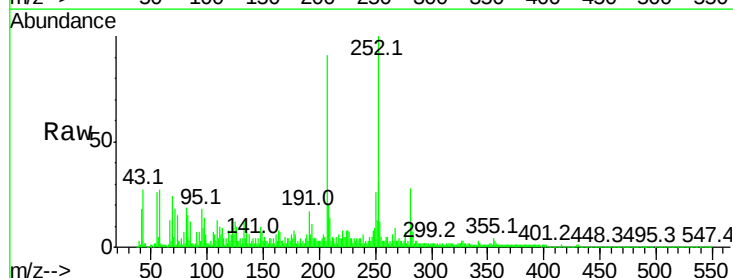
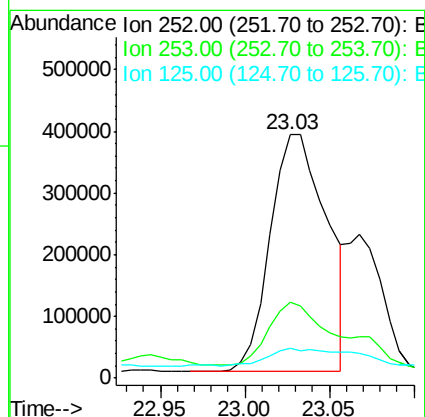
Manual Integrations
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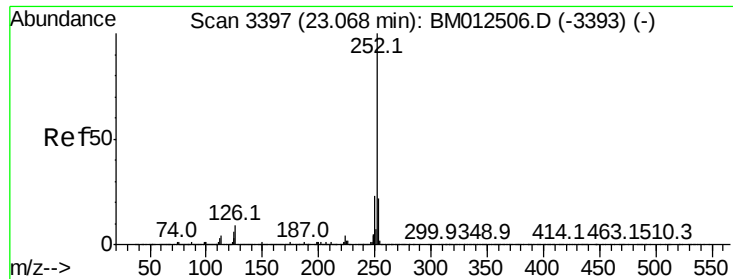
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#85
Benzo(b)fluoranthene
Concen: 4.575 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. 0.01 min
Lab File: BM012517.D
Acq: 28 Oct 2017 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	898247		
253	31.1		17.9	26.9#
125	12.0		3.6	5.4#





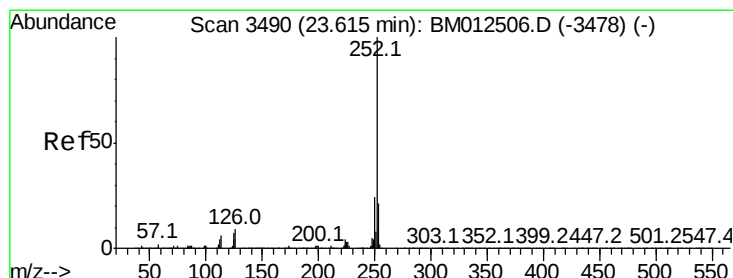
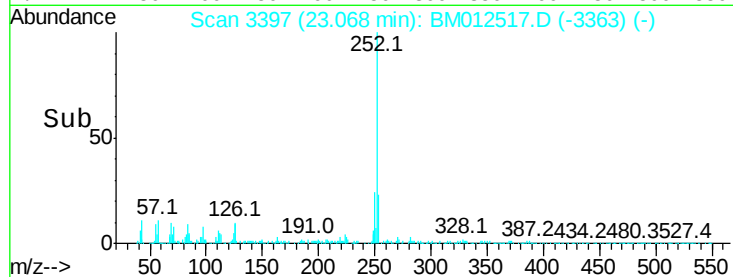
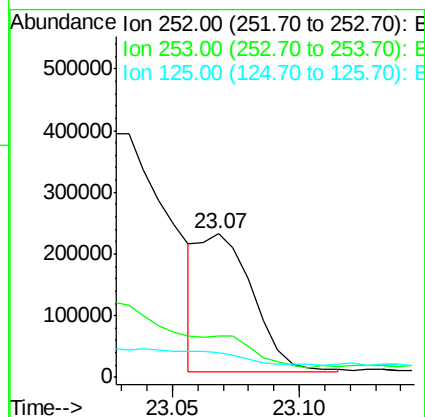
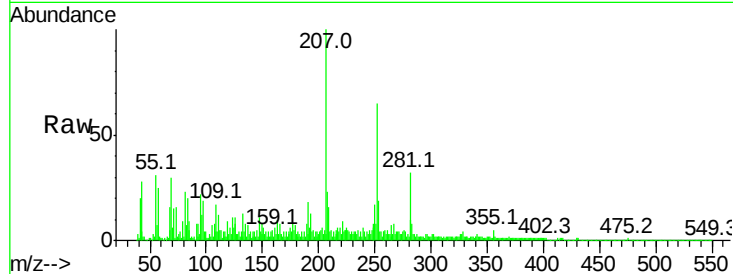
#86
Benzo(k)fluoranthene
Concen: 1.780 ng/ul m
RT: 23.07 min Scan# 3397
Delta R.T. 0.00 min
Lab File: BM012517.D
Acq: 28 Oct 2017 10:14

Instrument :
BNA_M
ClientSampleId :
B-38(0-1)_100917

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	17.1	25.7#
125	17.3	3.4	5.2#

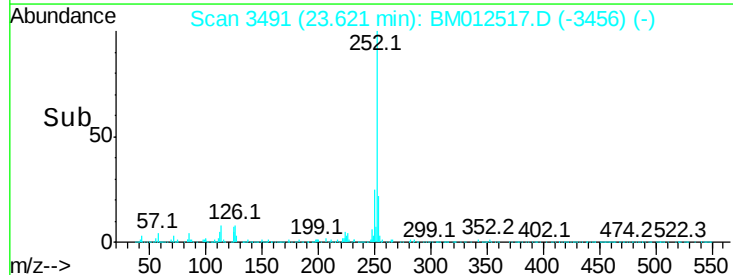
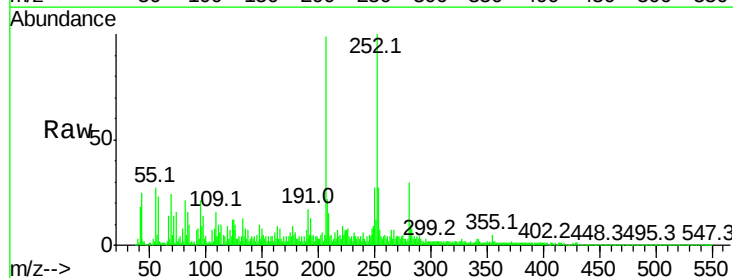
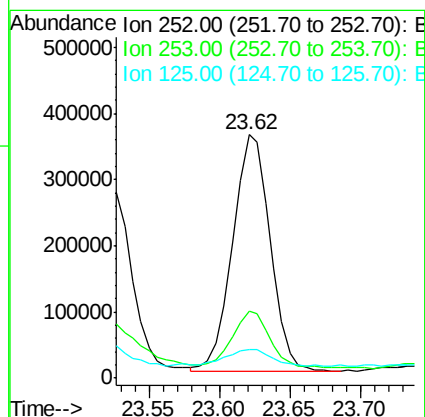
Manual Integrations
APPROVED

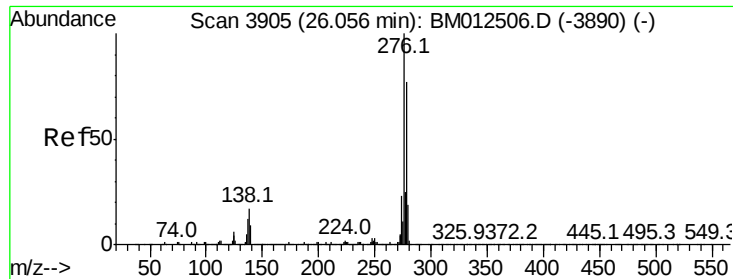
Sohil
10/30/2017 6:31:11 PM



#88
Benzo(a)pyrene
Concen: 3.550 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BM012517.D
Acq: 28 Oct 2017 10:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.2	27.2#
125	11.6	4.0	6.0#





#89

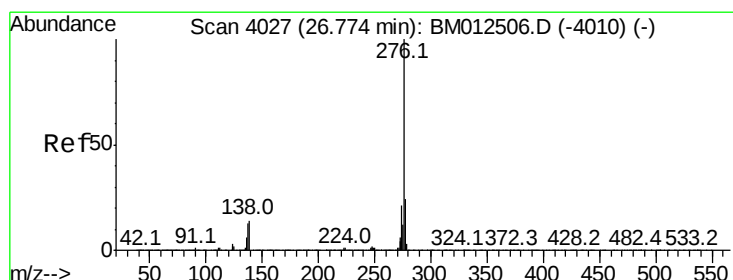
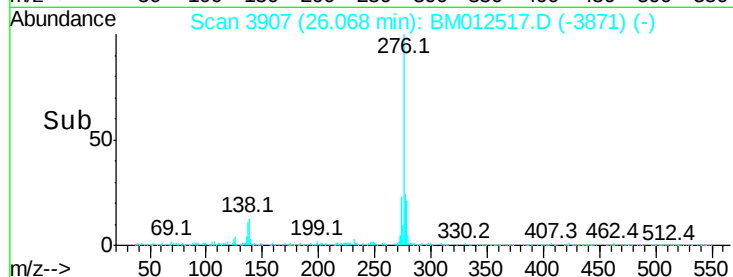
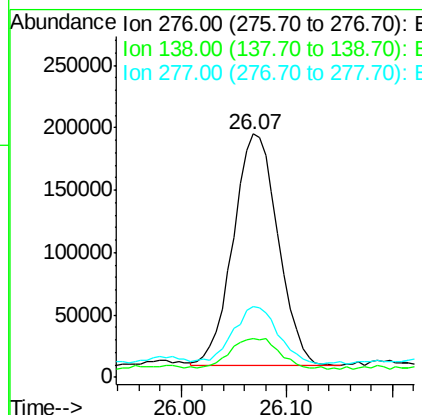
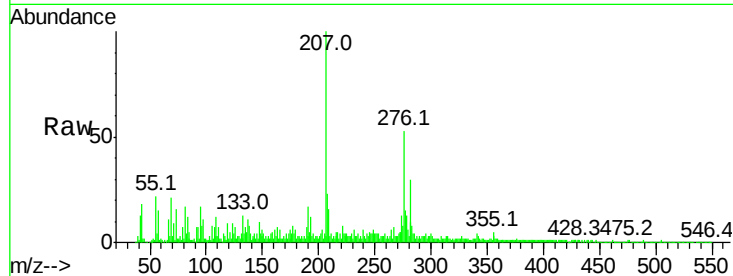
Indeno(1,2,3-cd)pyrene
Concen: 2.464 ng/ul
RT: 26.07 min Scan# 3907
Delta R.T. 0.01 min
Lab File: BM012517.D
Acq: 28 Oct 2017 10:14

Instrument :
BNA_M
ClientSampleId :
B-38(0-1)_100917

Tot Ion	Ratio	Resp	Lower	Upper
276	100	542779		
138	16.0	9.3	13.9#	
277	29.1	19.9	29.9	

Manual Integrations
APPROVED

Sohil
10/30/2017 6:31:11 PM



#91

Benzo(g,h,i)perylene
Concen: 2.662 ng/ul
RT: 26.79 min Scan# 4030
Delta R.T. 0.02 min
Lab File: BM012517.D
Acq: 28 Oct 2017 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	475299		
138	16.4	8.5	12.7#	
277	29.3	18.6	28.0#	

