

Data File : BM012301.D
Acq On : 19 Oct 2017 04:25
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/23/2017 3:49:54 PM

Quant Time: Oct 19 15:16:36 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 15:00:52 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	164700	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	691569	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	446697	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	1077327	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1156409	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	1184843	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	8876	2.56	ng/uL	0.00
5) Phenol-d5	6.97	99	33132	2.48	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.11	67	117956	14.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	7780	0.69	ng/ul	0.01
13) 4-Methylphenol-d8	8.50	113	54776	4.76	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	89804	17.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	1458	0.24	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.23	165	1088	0.09	ng/ul	0.01
29) 4-Chloroaniline-d4	10.73	131	204400	18.55	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	661607	16.76	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	901196	18.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.74	143	135	0.02	ng/ul	0.07
57) Fluorene-d10	15.43	176	652577	20.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.28	188	1014487	19.04	ng/ul	0.00
76) Pyrene-d10	19.58	212	1374389	23.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.52	264	1117560	19.57	ng/ul	0.01

Target Compounds

					Qvalue	
4) Benzaldehyde	6.93	77	10713	1.200	ng/ul#	85
6) Phenol	6.99	94	20128	1.457	ng/ul	93
11) 2-Methylphenol	8.24	108	15155	1.459	ng/ul	93
28) Naphthalene	10.63	128	64876	1.813	ng/ul	98
44) Dimethylphthalate	13.89	163	287044	7.257	ng/ul	99
49) Acenaphthene	14.50	153	77921	2.465	ng/ul	98
53) Dibenzofuran	14.84	168	56916	1.250	ng/ul	97
58) Fluorene	15.49	166	76385	2.021	ng/ul	97
69) Phenanthrene	17.23	178	964802	15.743	ng/ul	99
71) Anthracene	17.32	178	234733	3.700	ng/ul	99
72) Carbazole	17.60	167	102532	1.909	ng/ul	99
74) Fluoranthene	19.24	202	1435494	19.409	ng/ul	99
77) Pyrene	19.61	202	1535139	20.101	ng/ul#	95
80) Benzo(a)anthracene	21.36	228	764016	10.153	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.26	149	15714255m	308.047	ng/ul	
82) Chrysene	21.40	228	734464m	10.396	ng/ul	
85) Benzo(b)fluoranthene	22.97	252	1045582	13.523	ng/ul#	88
86) Benzo(k)fluoranthene	23.01	252	335289m	4.500	ng/ul	
88) Benzo(a)pyrene	23.57	252	704863	9.672	ng/ul#	88
89) Indeno(1,2,3-cd)pyrene	26.01	276	535172	6.915	ng/ul	98
90) Dibenzo(a,h)anthracene	26.01	278	162262m	2.494	ng/ul	
91) Benzo(g,h,i)perylene	26.74	276	479331	7.562	ng/ul#	95

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101817\
Quantitation Report (QT/LSC Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

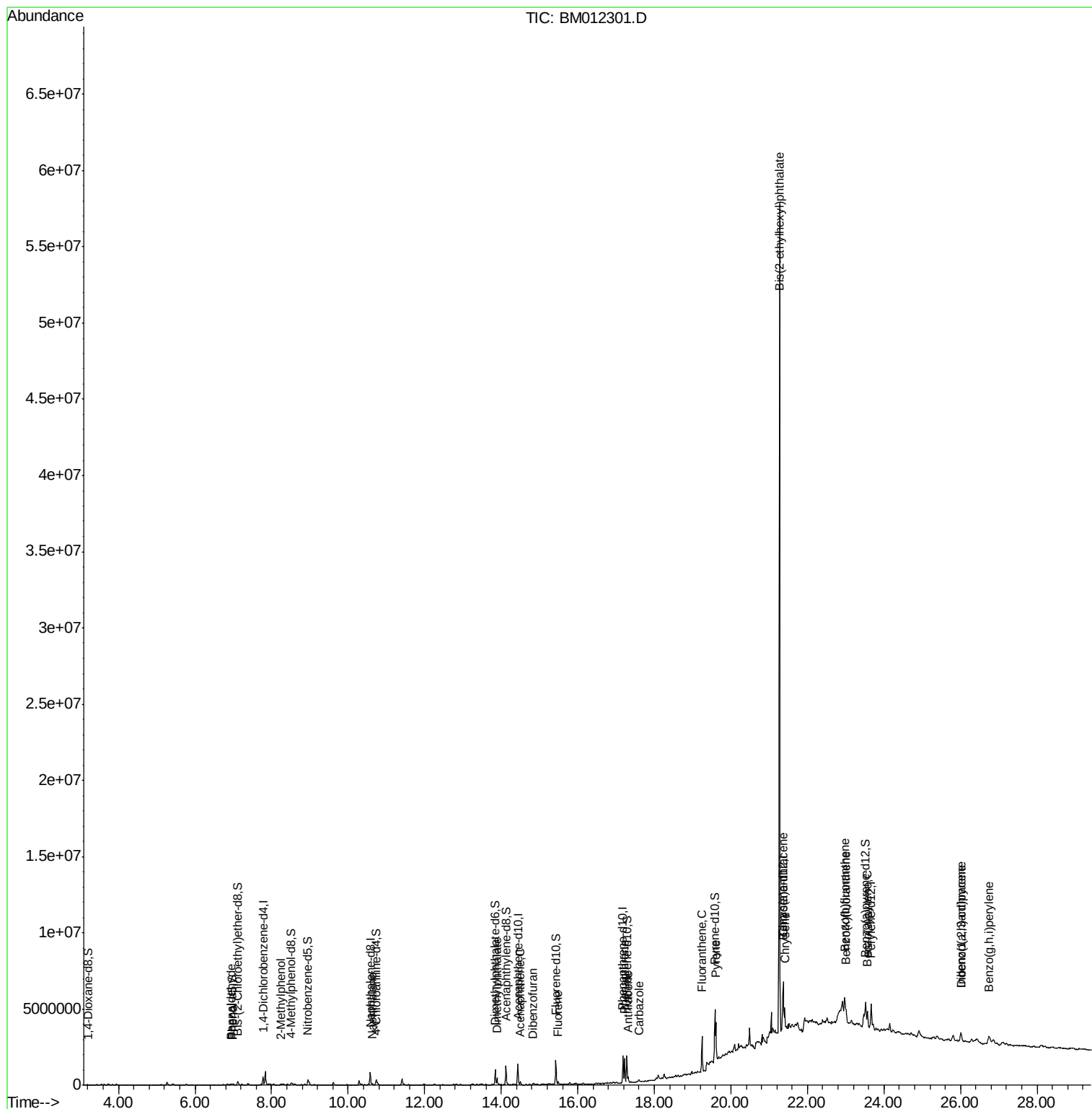
Data File : BM012301.D
Acq On : 19 Oct 2017 04:25
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

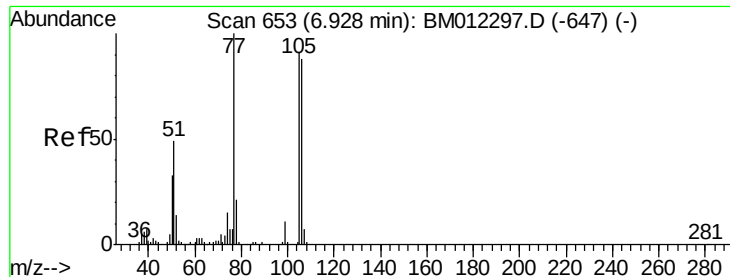
Instrument :
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.200 ng/ul

RT: 6.93 min Scan# 654

Delta R.T. 0.01 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Instrument :

BNA_M

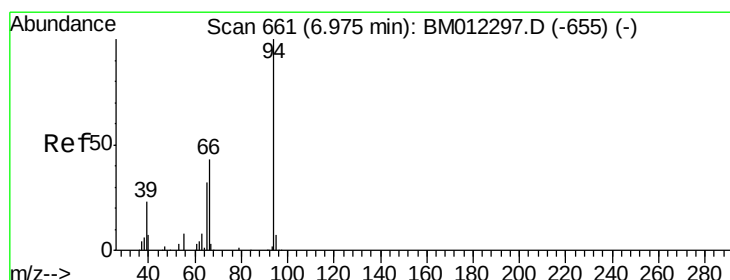
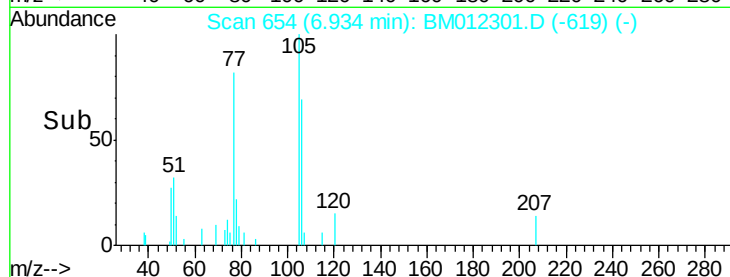
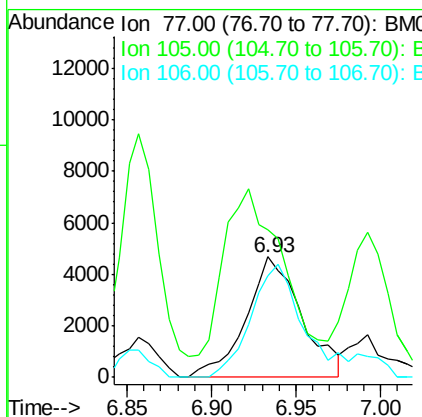
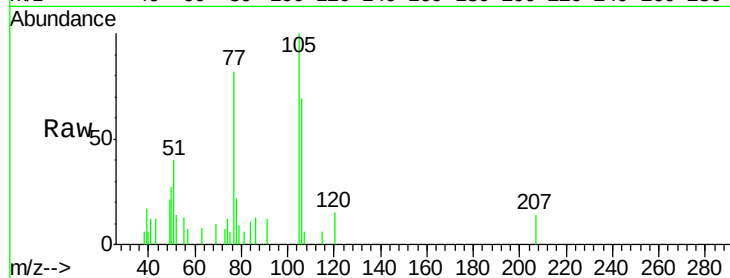
ClientSampleId :

B-33(0.5-1.5)-100417

Tgt Ion:	77	Resp:	10713
Ion	Ratio	Lower	Upper
77	100		
105	122.5	78.4	117.6#
106	84.7	70.6	106.0

Manual Integrations
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#6

Phenol

Concen: 1.457 ng/ul

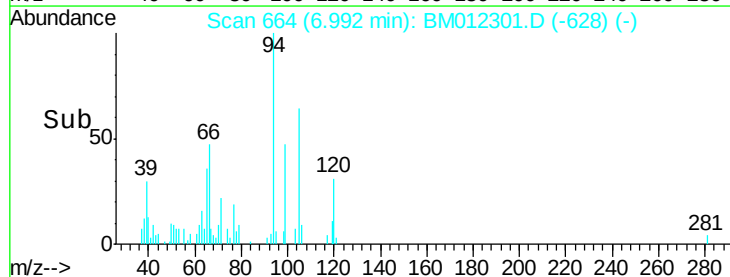
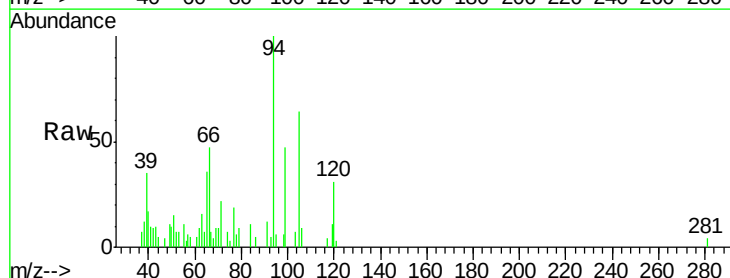
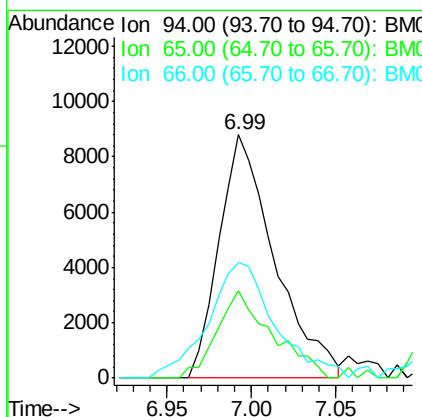
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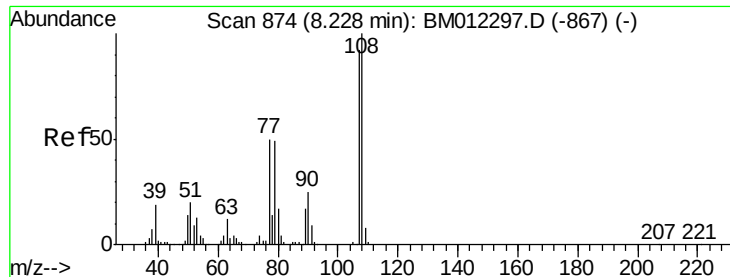
Delta R.T. 0.01 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Tgt Ion:	94	Resp:	20128
Ion	Ratio	Lower	Upper
94	100		
65	36.0	24.4	36.6
66	47.3	35.0	52.4





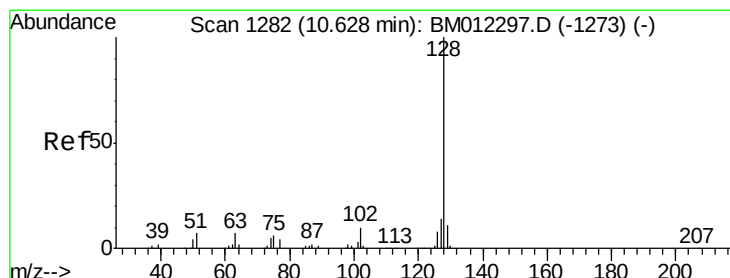
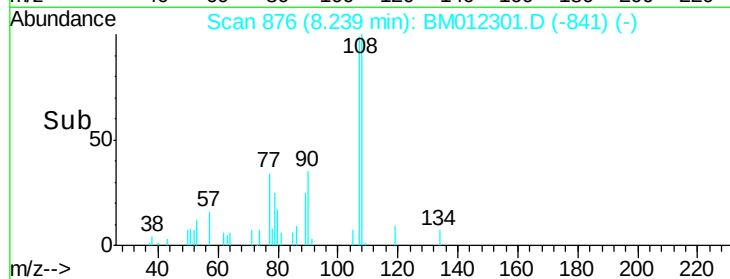
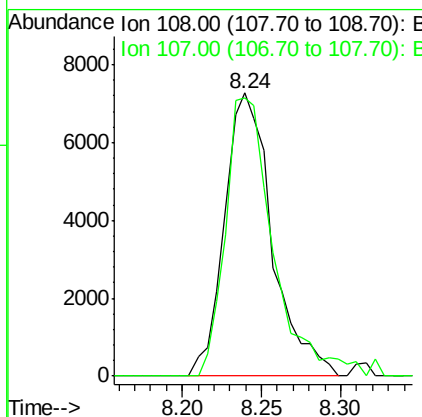
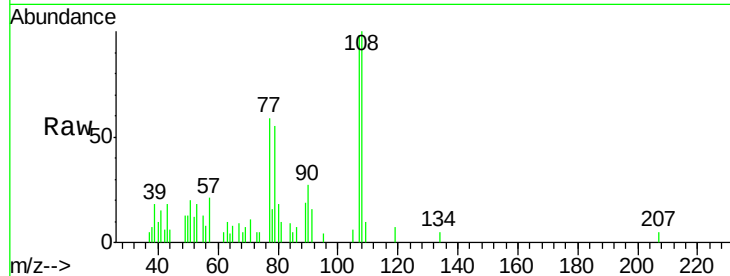
#11
2-Methylphenol
Concen: 1.459 ng/ul
RT: 8.24 min Scan# 876
Delta R.T. 0.01 min
Lab File: BM012301.D
Acq: 19 Oct 2017 04:25

Instrument :
BNA_M
ClientSampleId :
B-33(0.5-1.5)-100417

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	15155		
107	98.3	73.3	109.9	

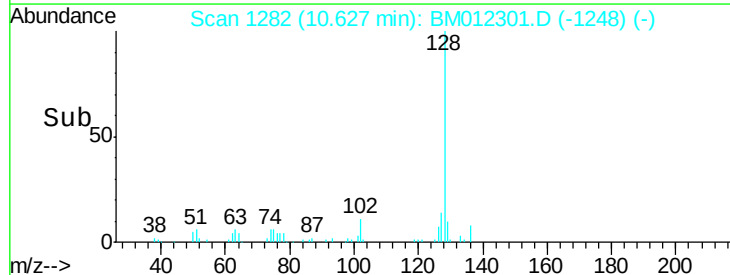
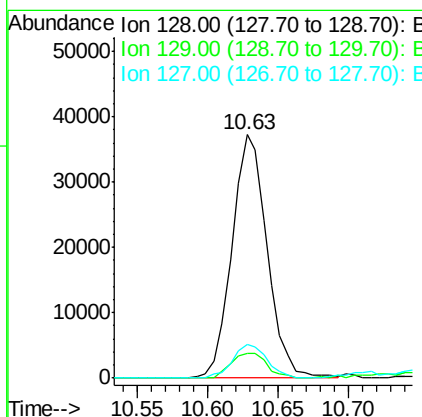
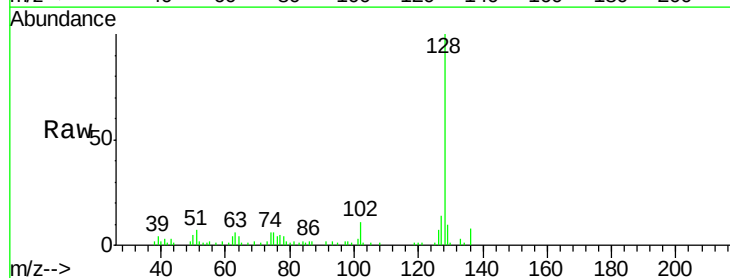
Manual Integrations
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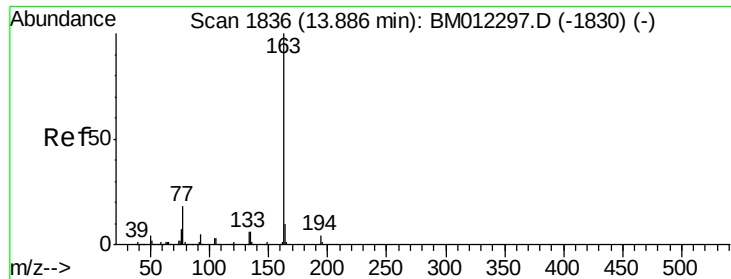
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#28
Naphthalene
Concen: 1.813 ng/ul
RT: 10.63 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BM012301.D
Acq: 19 Oct 2017 04:25

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	64876		
129	10.2	9.2	13.8	
127	13.8	11.4	17.0	





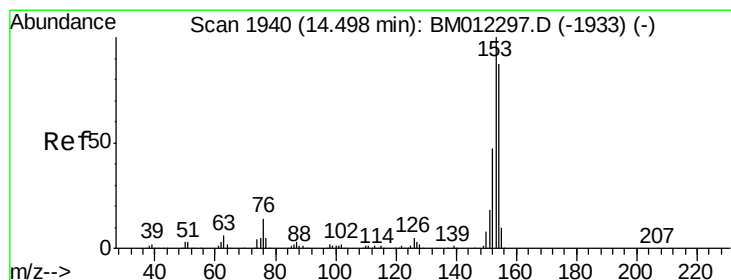
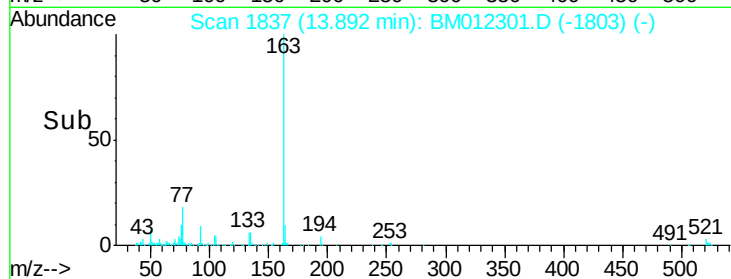
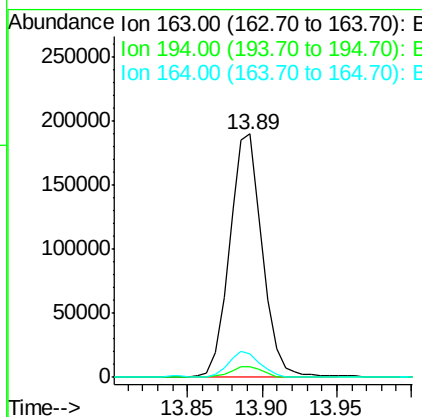
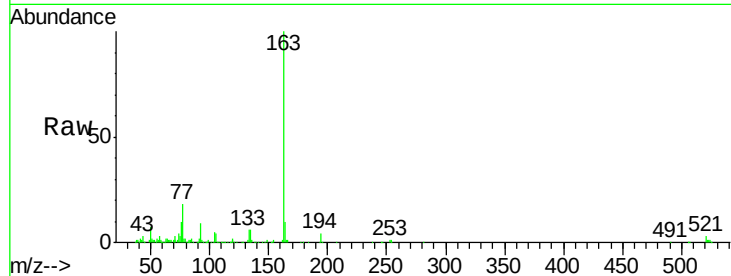
#44
Dimethylphthalate
Concen: 7.257 ng/ul
RT: 13.89 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BM012301.D
Acq: 19 Oct 2017 04:25

Instrument :
BNA_M
ClientSampleId :
B-33(0.5-1.5)-100417

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.7	5.5
164	9.6	8.1	12.1

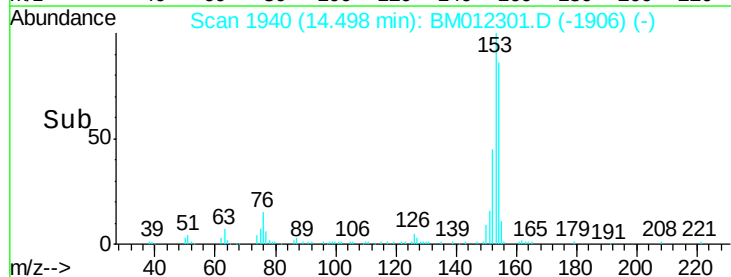
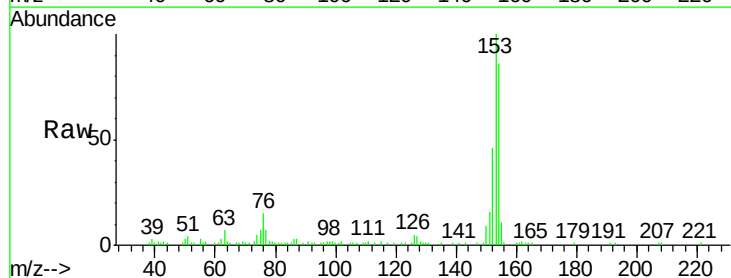
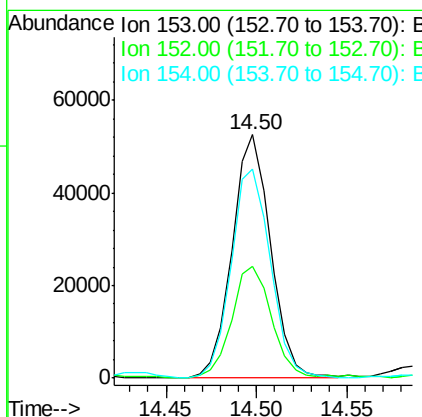
Manual Integrations
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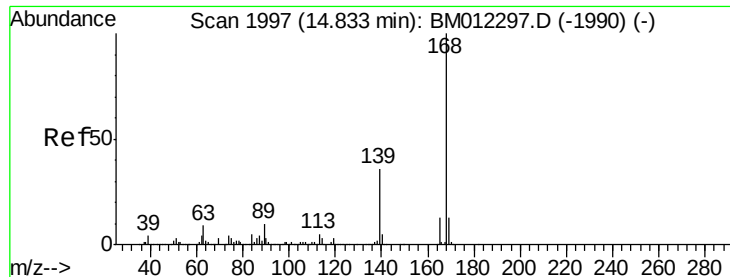
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#49
Acenaphthene
Concen: 2.465 ng/ul
RT: 14.50 min Scan# 1940
Delta R.T. -0.00 min
Lab File: BM012301.D
Acq: 19 Oct 2017 04:25

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.0	37.4	56.0
154	85.9	71.1	106.7





#53

Dibenzenofuran

Concen: 1.250 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Instrument :

BNA_M

ClientSampleId :

B-33(0.5-1.5)-100417

Tgt Ion:168 Resp: 56916

Ion Ratio Lower Upper

168 100

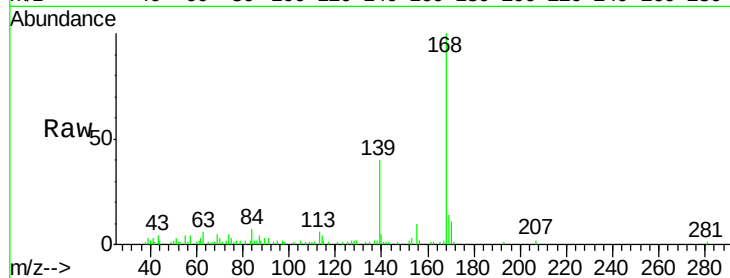
139 39.7 30.2 45.2

Manual Integrations

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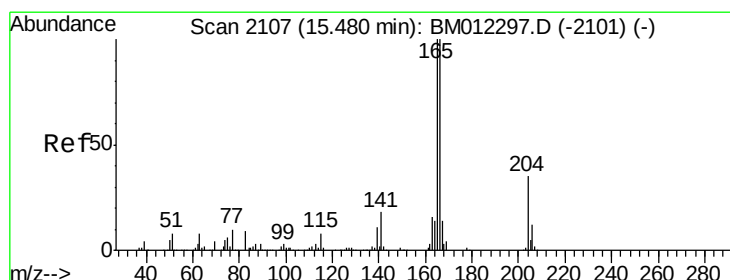
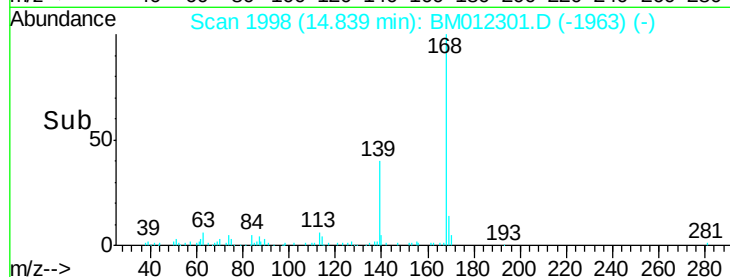
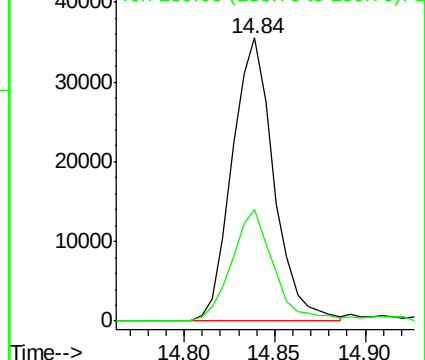
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 2.021 ng/ul

RT: 15.49 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

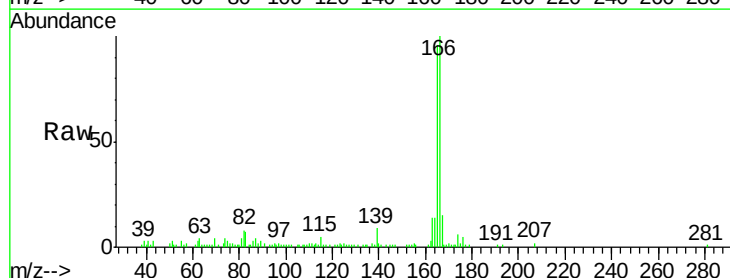
Tgt Ion:166 Resp: 76385

Ion Ratio Lower Upper

166 100

165 95.8 79.0 118.6

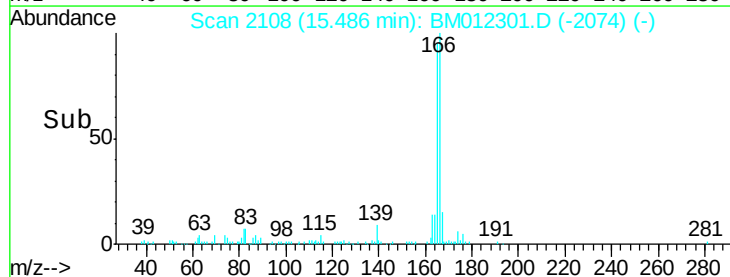
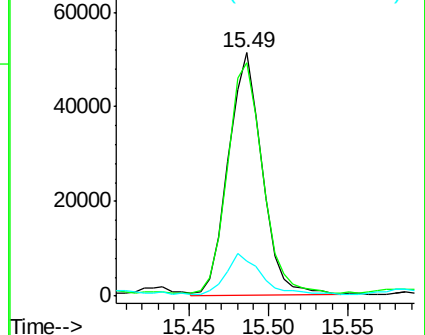
167 14.6 10.8 16.2

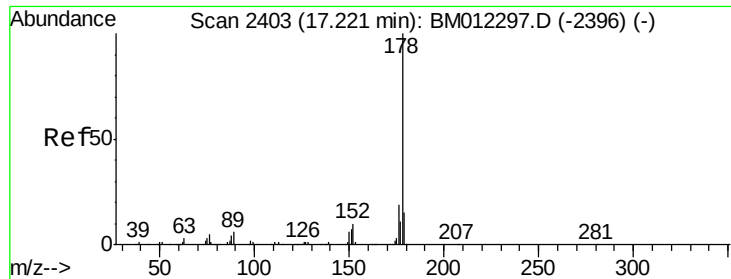


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





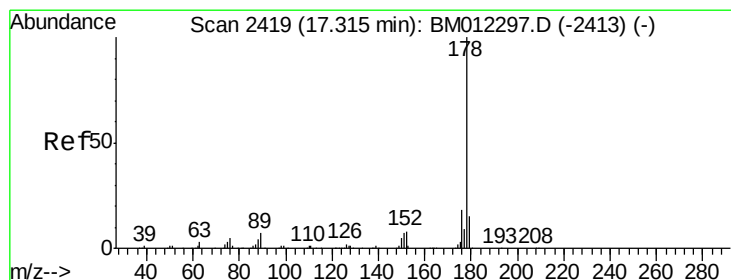
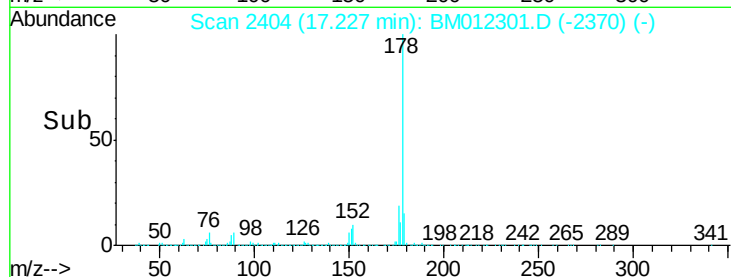
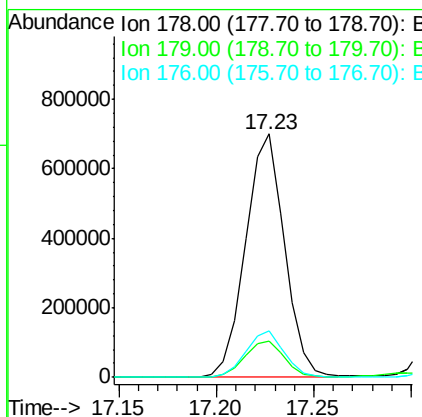
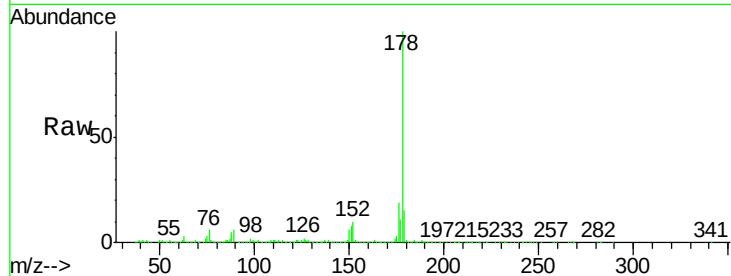
#69
 Phenanthrene
 Concen: 15.743 ng/ul
 RT: 17.23 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BM012301.D
 Acq: 19 Oct 2017 04:25

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Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.0	18.0
176	19.2	15.0	22.6

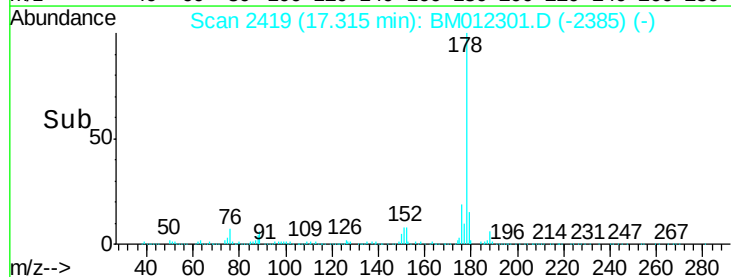
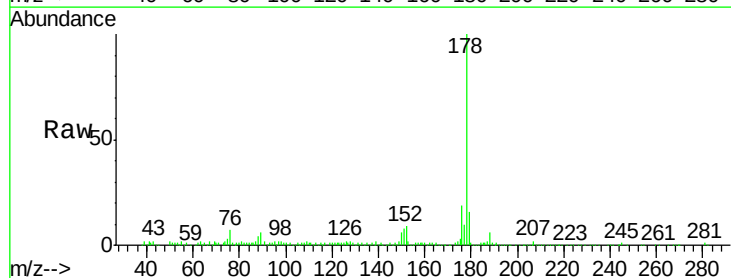
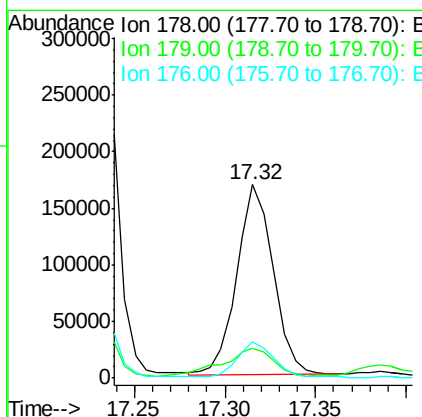
Manual Integrations
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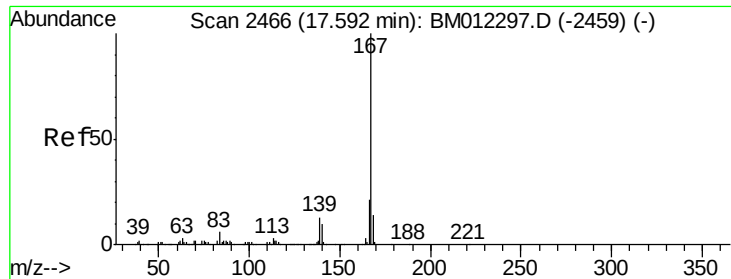
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#71
 Anthracene
 Concen: 3.700 ng/ul
 RT: 17.32 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BM012301.D
 Acq: 19 Oct 2017 04:25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.4
176	18.9	14.7	22.1





#72

Carbazole

Concen: 1.909 ng/ul

RT: 17.60 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Instrument :

BNA_M

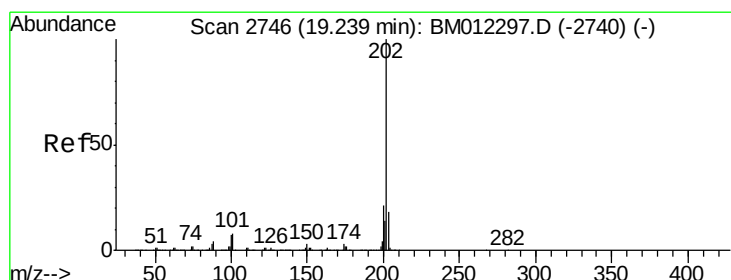
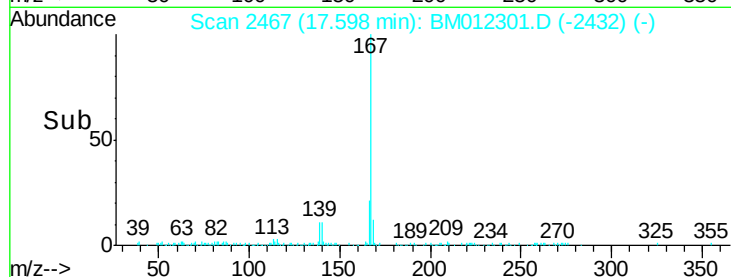
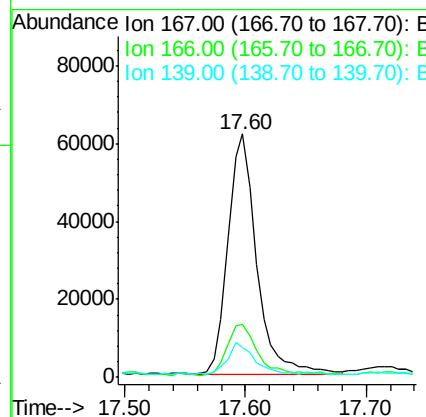
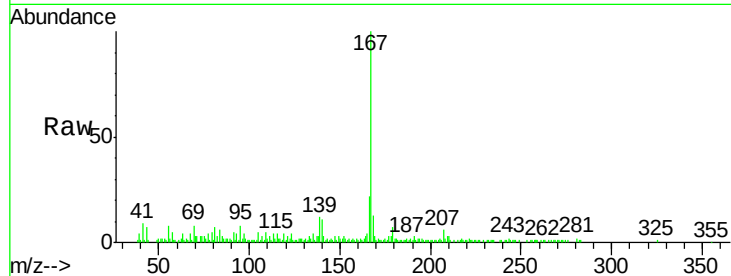
ClientSampleId :

B-33(0.5-1.5)-100417

Tgt Ion:	167	Resp:	102532
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.8	26.6
139	12.4	10.6	15.8

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#74

Fluoranthene

Concen: 19.409 ng/ul

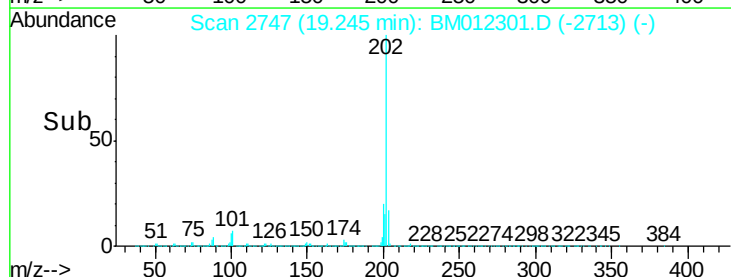
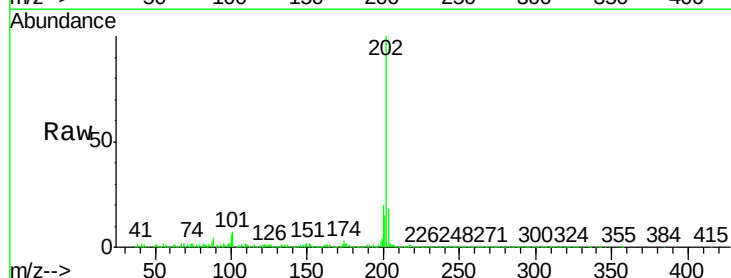
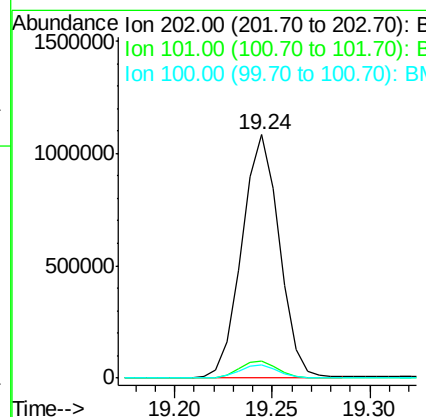
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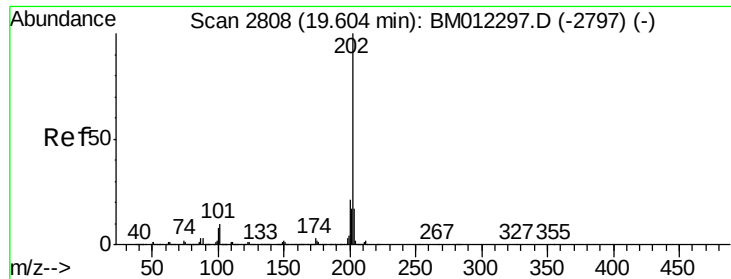
Delta R.T. -0.00 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Tgt Ion:	202	Resp:	1435494
Ion Ratio	Lower	Upper	
202	100		
101	6.8	5.8	8.6
100	5.7	4.3	6.5





#77

Pyrene

Concen: 20.101 ng/ul

RT: 19.61 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Instrument :

BNA_M

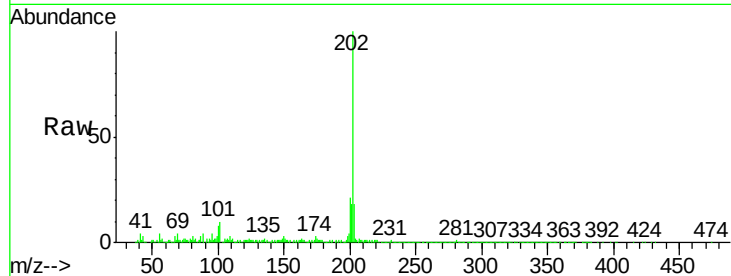
ClientSampleId :

B-33(0.5-1.5)-100417

Tgt Ion:	202	Resp:	1535139
Ion Ratio	Lower	Upper	
202	100		
101	10.2	6.5	9.7#
100	8.3	5.6	8.4

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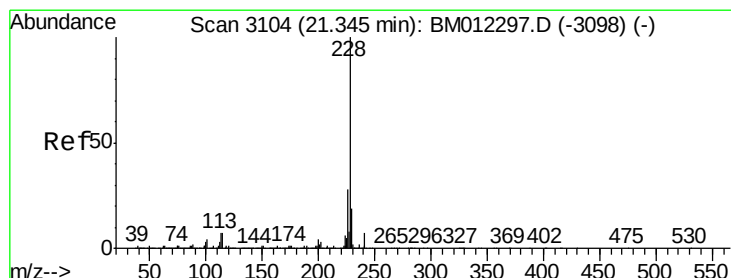
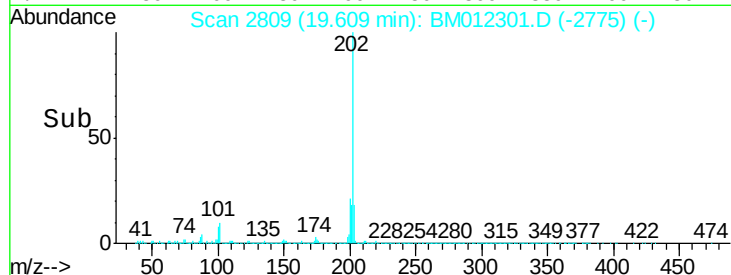
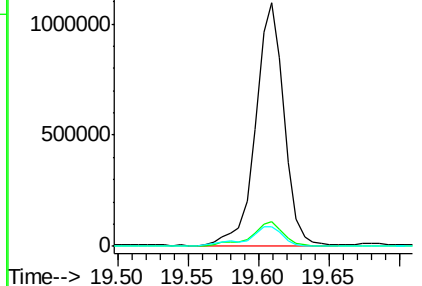
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 10.153 ng/ul

RT: 21.36 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BM012301.D

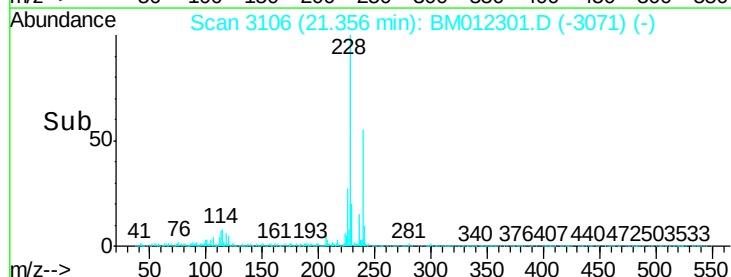
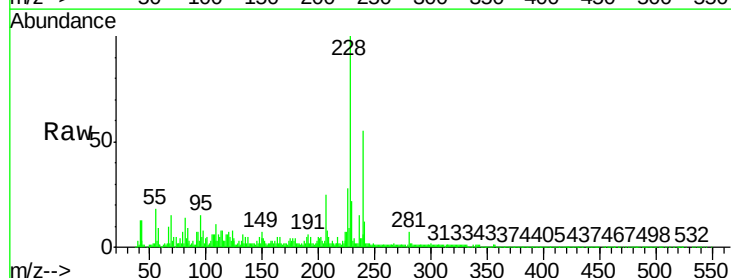
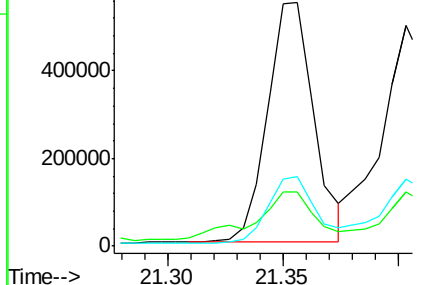
Acq: 19 Oct 2017 04:25

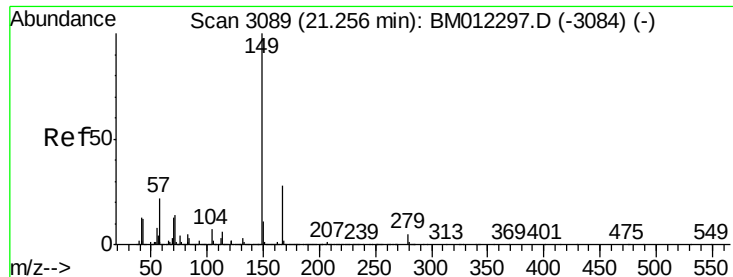
Tgt Ion:	228	Resp:	764016
Ion Ratio	Lower	Upper	
228	100		
229	22.3	15.8	23.8
226	28.3	21.4	32.2

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





#81

Bis(2-ethylhexyl)phthalate

Concen: 308.047 ng/ul m

RT: 21.26 min Scan# 3090

Delta R.T. 0.01 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Instrument :

BNA_M

ClientSampleId :

B-33(0.5-1.5)-100417

Tgt Ion:149 Resp:15714255

Ion Ratio Lower Upper

149 100

167 48.4 22.5 33.7#

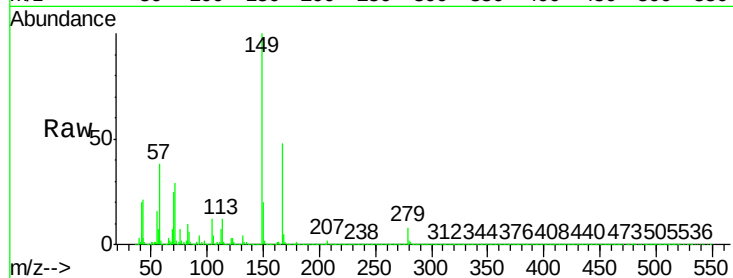
279 8.3 4.4 6.6#

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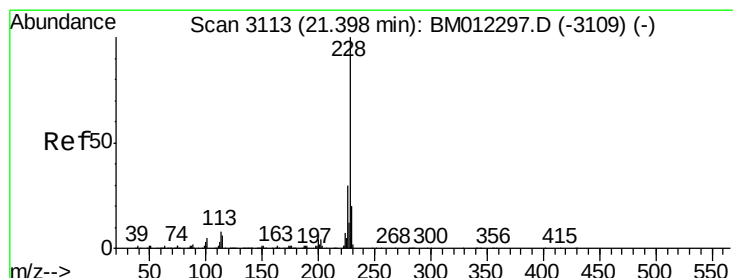
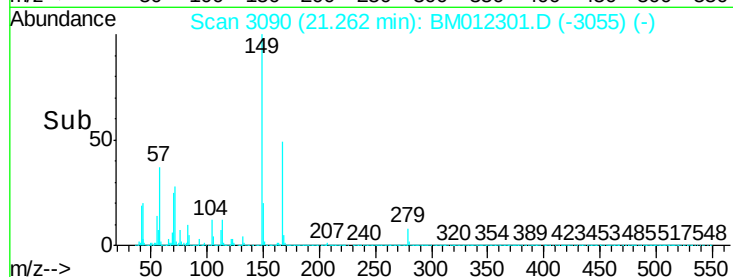
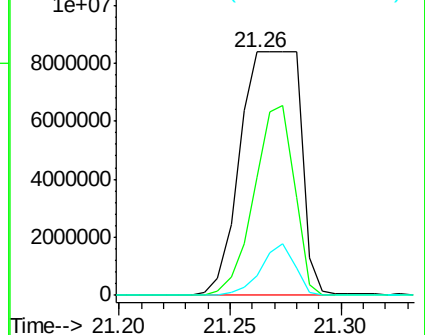
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 10.396 ng/ul m

RT: 21.40 min Scan# 3114

Delta R.T. -0.00 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

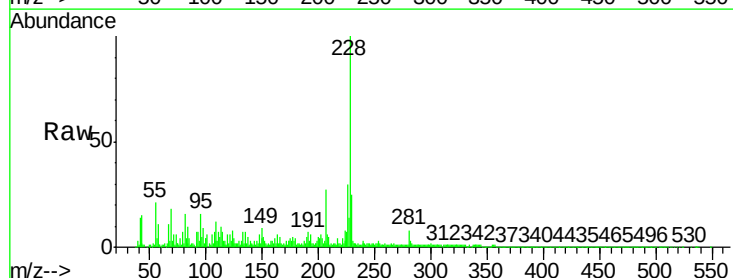
Tgt Ion:228 Resp: 734464

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

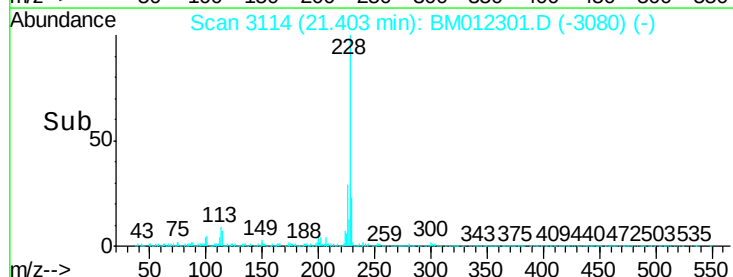
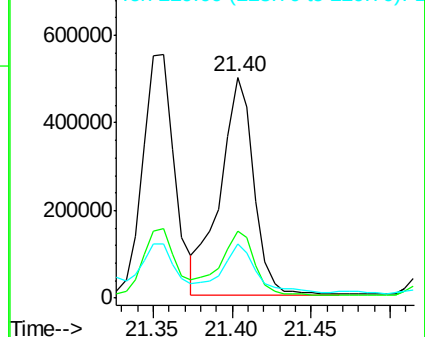
229 24.6 15.5 23.3#

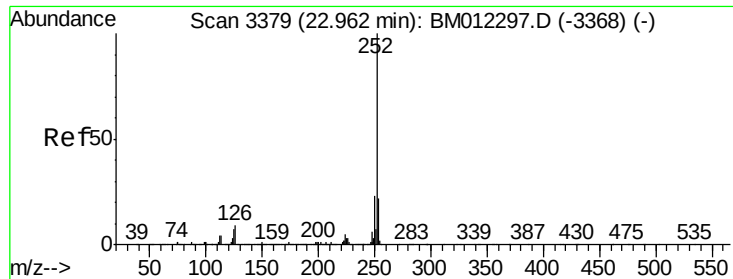


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





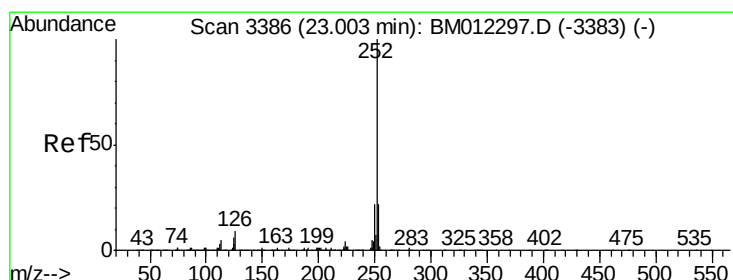
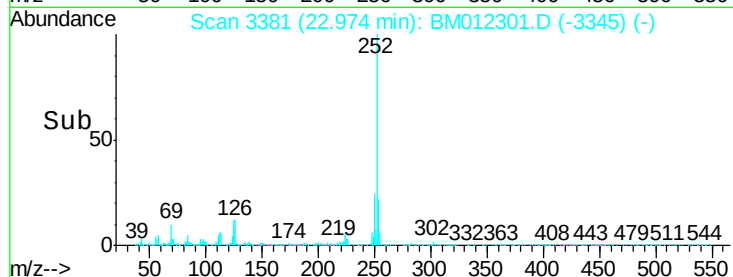
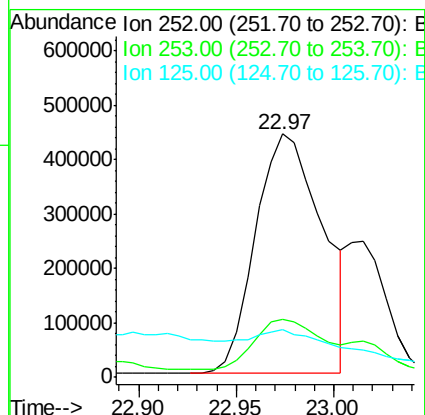
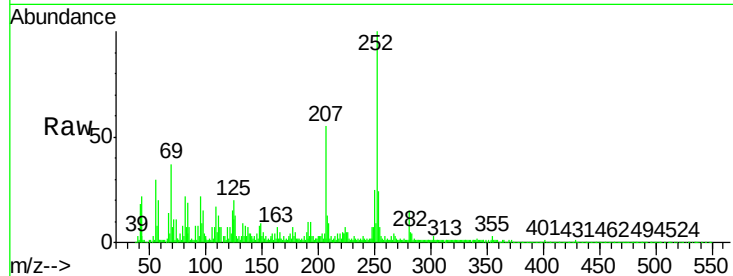
#85
Benzo(b)fluoranthene
Concen: 13.523 ng/ul
RT: 22.97 min Scan# 3381
Delta R.T. 0.01 min
Lab File: BM012301.D
Acq: 19 Oct 2017 04:25

Instrument :
BNA_M
ClientSampleId :
B-33(0.5-1.5)-100417

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	19.6	5.1	7.7#

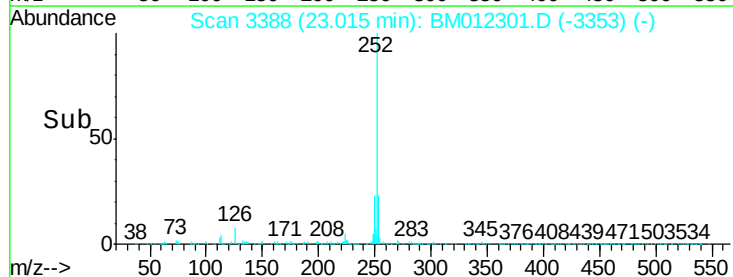
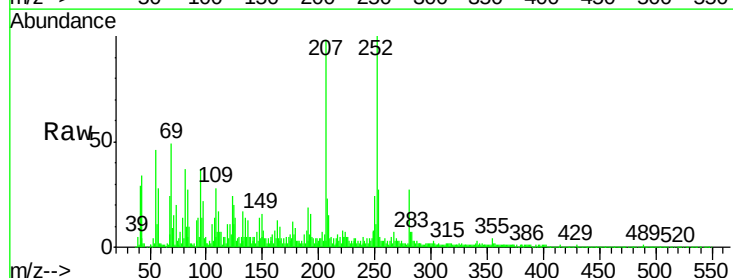
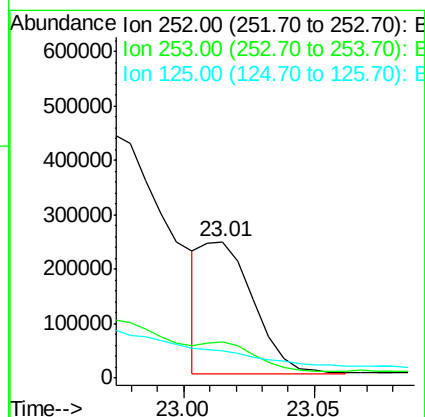
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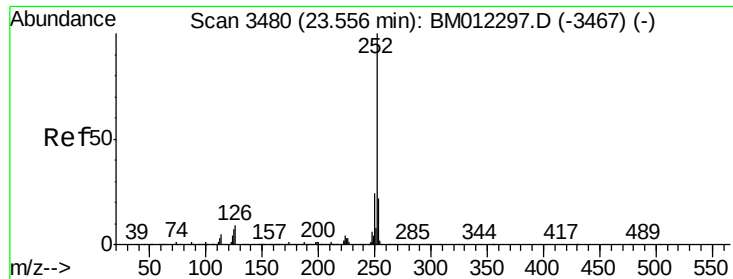
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#86
Benzo(k)fluoranthene
Concen: 4.500 ng/ul m
RT: 23.01 min Scan# 3388
Delta R.T. 0.01 min
Lab File: BM012301.D
Acq: 19 Oct 2017 04:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.8	26.6
125	20.2	4.9	7.3#





#88

Benzo(a)pyrene

Concen: 9.672 ng/ul

RT: 23.57 min Scan# 3482

Delta R.T. 0.01 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Instrument :

BNA_M

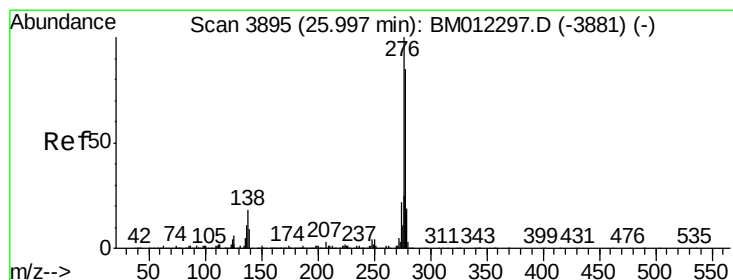
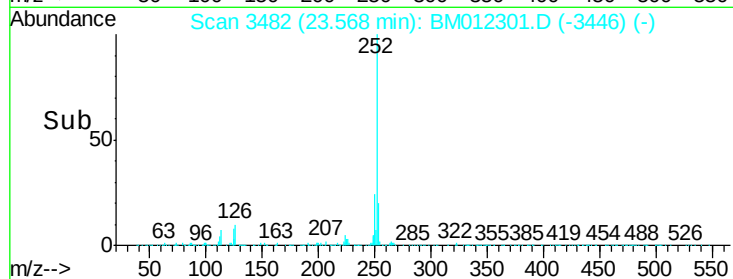
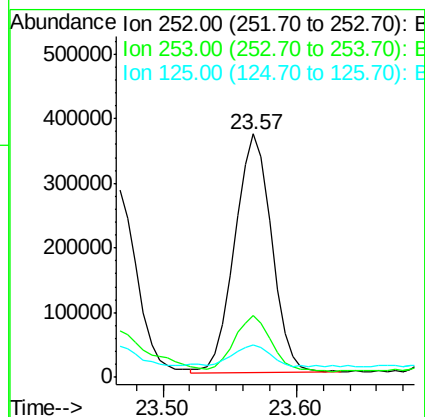
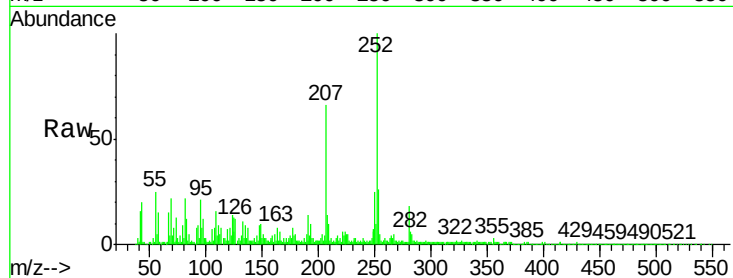
ClientSampleId :

B-33(0.5-1.5)-100417

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.6	17.1	25.7	
125	13.4	5.2	7.8#	

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#89

Indeno(1,2,3-cd)pyrene

Concen: 6.915 ng/ul

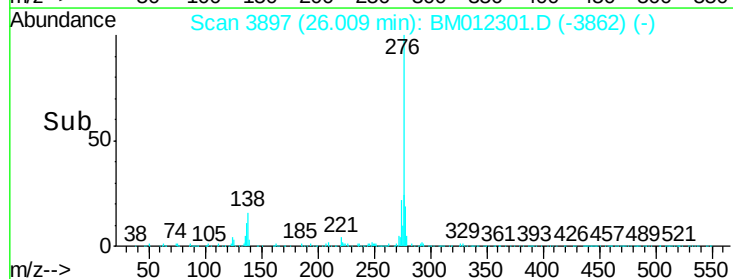
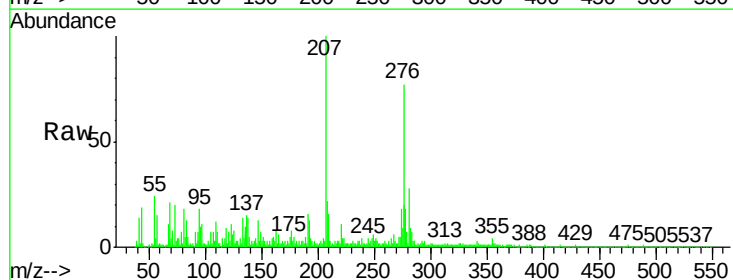
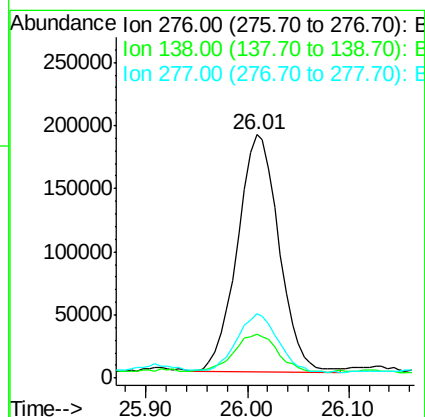
RT: 26.01 min Scan# 3897

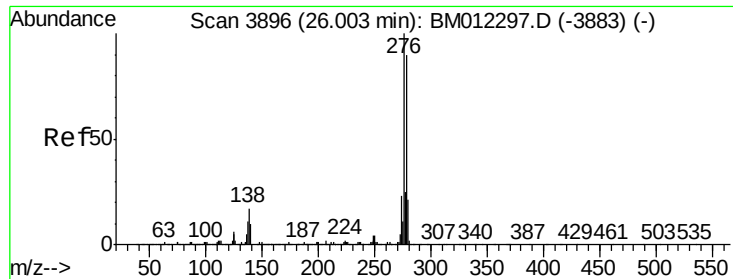
Delta R.T. 0.01 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	18.1	13.2	19.8	
277	26.3	20.6	31.0	





#90

Dibenzo(a,h)anthracene

Concen: 2.494 ng/ul m

RT: 26.01 min Scan# 3898

Delta R.T. 0.01 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Instrument :

BNA_M

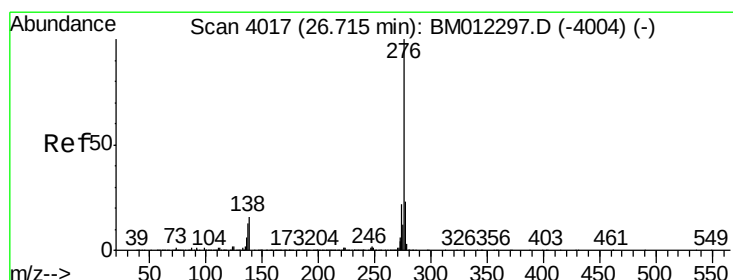
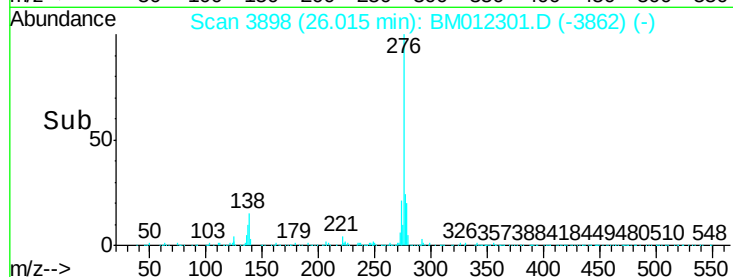
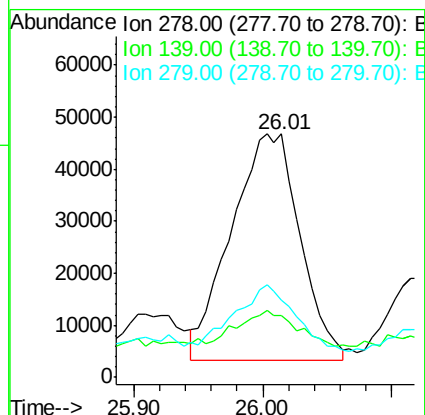
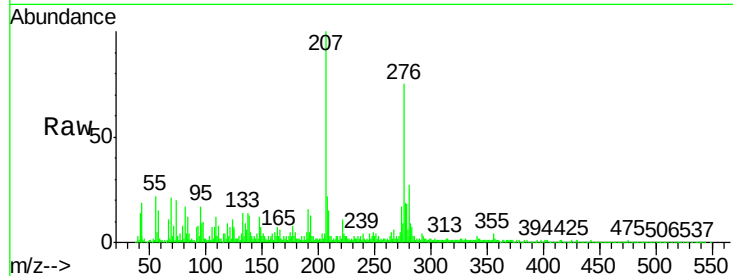
ClientSampleId :

B-33(0.5-1.5)-100417

Tgt Ion:	278	Resp:	162262
Ion Ratio	Lower	Upper	
278	100		
139	25.2	8.3	12.5#
279	31.9	19.3	28.9#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 7.562 ng/ul

RT: 26.74 min Scan# 4021

Delta R.T. 0.01 min

Lab File: BM012301.D

Acq: 19 Oct 2017 04:25

Tgt Ion:	276	Resp:	479331
Ion Ratio	Lower	Upper	
276	100		
138	17.4	10.7	16.1#
277	24.4	19.0	28.4

