

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
 Data File : BM012157.D
 Acq On : 14 Oct 2017 05:03
 Operator : SJ/JU
 Sample : I5649-04MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-59(FILL)-100317MS

Manual Integrations
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 10/15/2017 12:44:46 PM

Quant Time: Oct 15 05:32:33 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Oct 15 05:27:50 2017

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	221970	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	928934	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	506707	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	992021	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	860360	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	903455	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	18935	4.05	ng/uL	0.00
5) Phenol-d5	6.99	99	489964	27.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	287763	26.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	416203	27.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	422522	27.25	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	205363	28.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	246338	29.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	457750	28.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	278666	18.83	ng/ul	0.00
43) Dimethylphthalate-d6	13.88	166	1391176	31.06	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	1694357	31.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	155234	23.06	ng/ul	0.00
57) Fluorene-d10	15.47	176	1113805	30.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	177501	26.07	ng/ul	0.00
70) Anthracene-d10	17.32	188	1520987	31.01	ng/ul	0.00
76) Pyrene-d10	19.62	212	1519218	34.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	1402402	32.20	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.02	94	550623	29.58	ng/ul#	86
10) 2-Chlorophenol	7.38	128	449137	28.81	ng/ul	99
14) Acetophenone	8.65	105	100643	4.27	ng/ul	86
15) N-Nitroso-di-n-propylamine	8.63	70	310043	24.55	ng/ul#	69
28) Naphthalene	10.67	128	63842	1.33	ng/ul	99
33) 4-Chloro-3-methylphenol	11.92	107	504293	30.90	ng/ul	96
44) Dimethylphthalate	13.93	163	453789	10.11	ng/ul	99
49) Acenaphthene	14.54	153	1002090	27.95	ng/ul	100
52) 4-Nitrophenol	14.70	109	160091	26.46	ng/ul#	79
54) 2,4-Dinitrotoluene	14.86	165	335202	25.97	ng/ul#	83
68) Pentachlorophenol	16.87	266	219402	29.24	ng/ul	97
69) Phenanthrene	17.26	178	505660	8.96	ng/ul	98
71) Anthracene	17.35	178	111440	1.91	ng/ul	95
74) Fluoranthene	19.28	202	1163412	17.08	ng/ul#	93
77) Pyrene	19.64	202	2966074	52.20	ng/ul#	93
80) Benzo(a)anthracene	21.39	228	618125	11.04	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.29	149	88121	2.32	ng/ul	100
82) Chrysene	21.43	228	626130	11.91	ng/ul	96
85) Benzo(b)fluoranthene	23.02	252	855706m	14.51	ng/ul	
86) Benzo(k)fluoranthene	23.04	252	255694m	4.50	ng/ul	
88) Benzo(a)pyrene	23.62	252	604523	10.88	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.08	276	448839	7.61	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.09	278	112622	2.27	ng/ul#	75

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.81	276	396514	8.20	ng/ul#	92

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

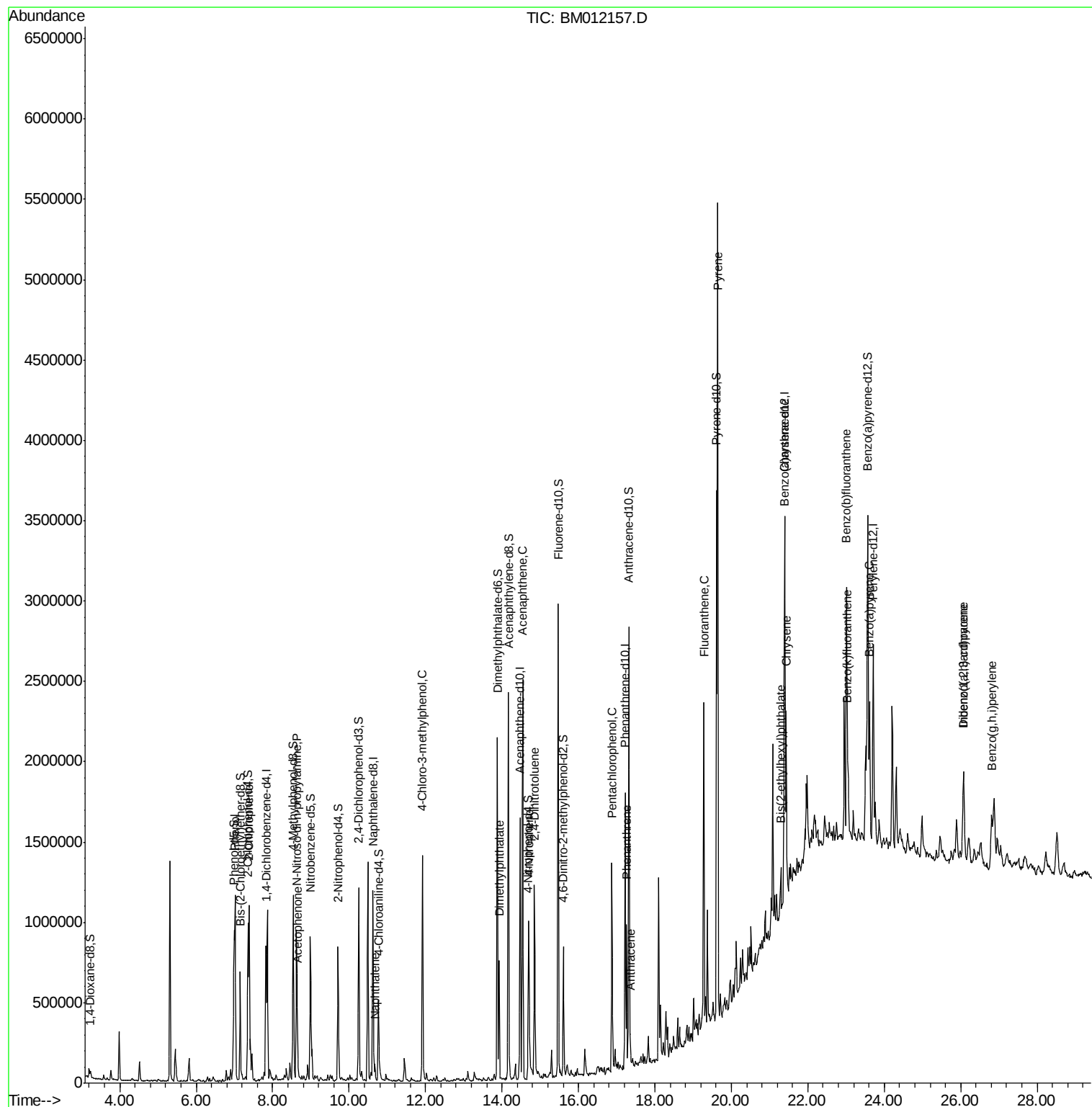
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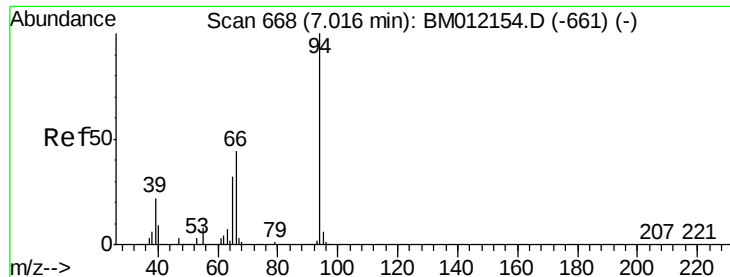
Instrument :
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#6

Phenol

Concen: 29.58 ng/ul

RT: 7.02 min Scan# 668

Delta R.T. 0.00 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

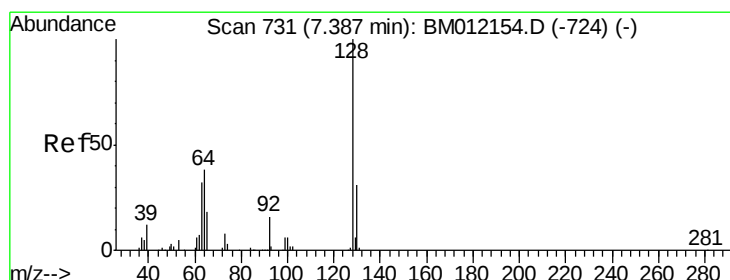
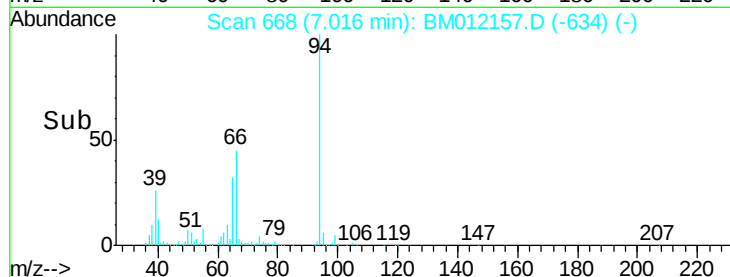
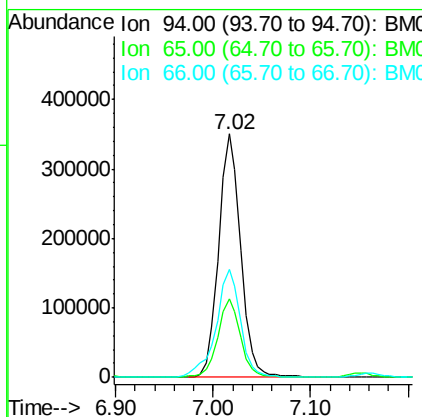
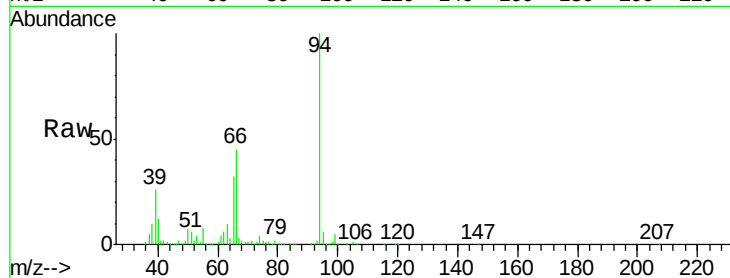
ClientSampleId :

B-59(FILL)-100317MS

Tgt Ion:	94	Resp:	550623
Ion Ratio	Lower	Upper	
94	100		
65	32.1	28.2	42.4
66	44.6	47.2	70.8#

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#10

2-Chlorophenol

Concen: 28.81 ng/ul

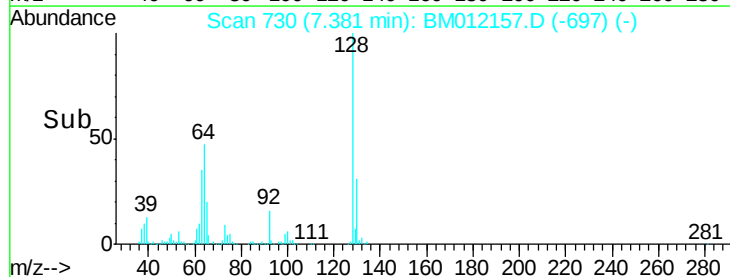
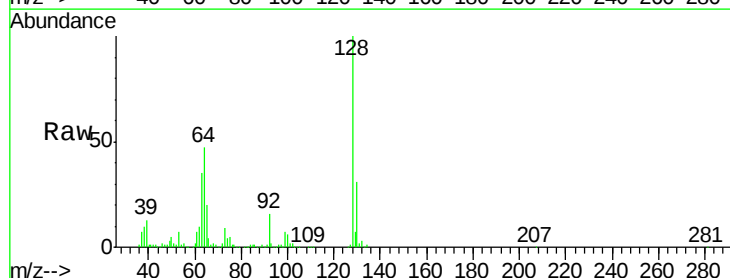
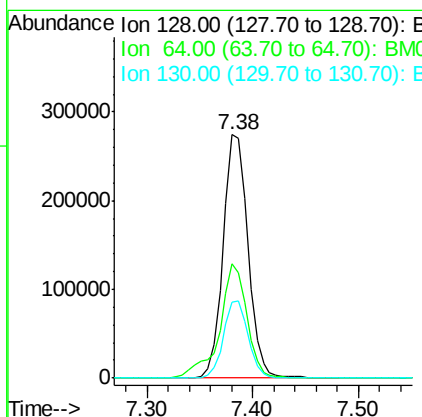
RT: 7.38 min Scan# 730

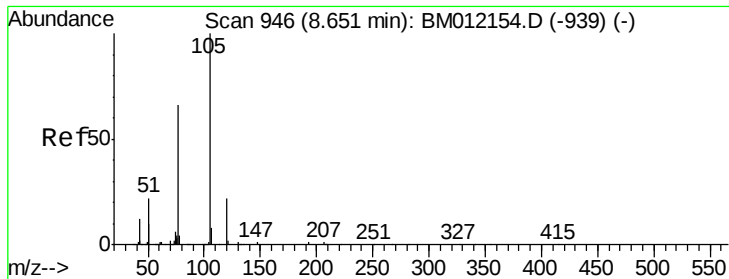
Delta R.T. -0.01 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Tgt Ion:	128	Resp:	449137
Ion Ratio	Lower	Upper	
128	100		
64	46.9	38.0	57.0
130	30.9	24.4	36.6





#14

Acetophenone

Concen: 4.27 ng/ul

RT: 8.65 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

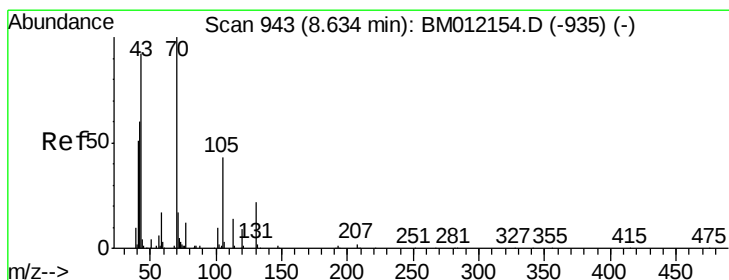
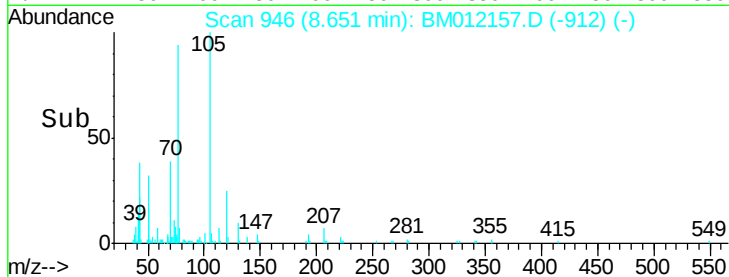
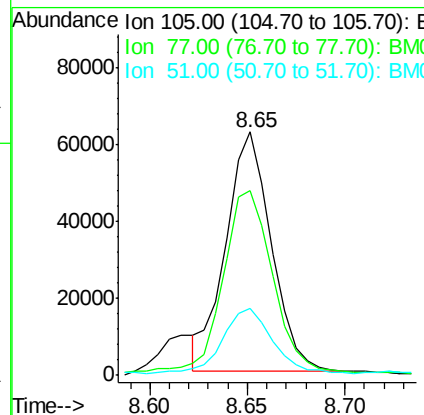
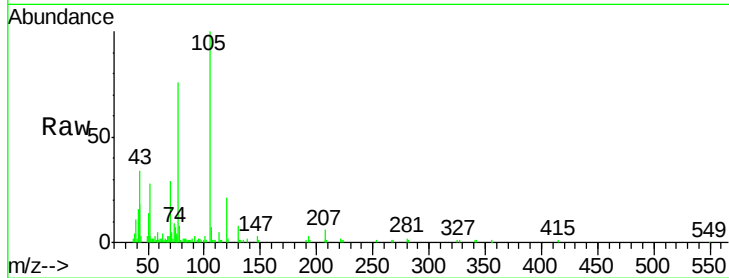
ClientSampleId :

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Tgt Ion:	105	Resp:	100643
Ion Ratio		Lower	Upper
105	100		
77	76.1	74.2	111.4
51	27.6	23.4	35.2

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#15

N-Nitroso-di-n-propylamine

Concen: 24.55 ng/ul

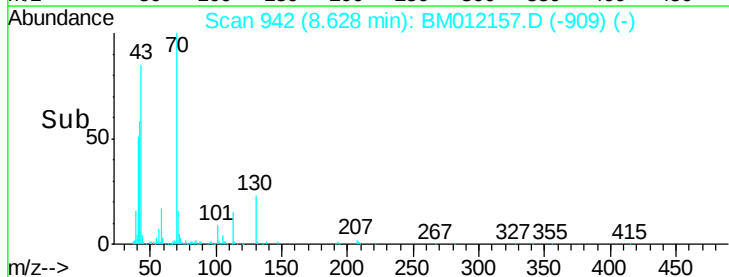
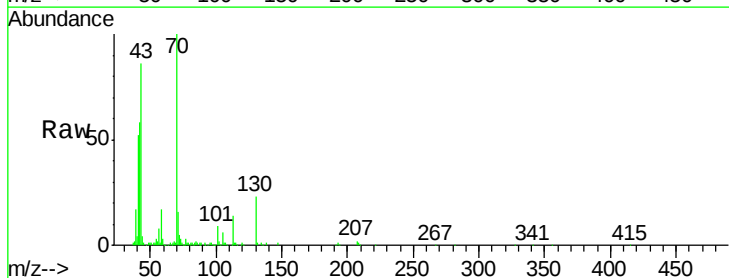
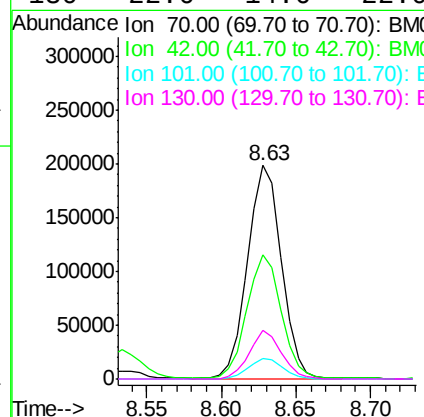
RT: 8.63 min Scan# 942

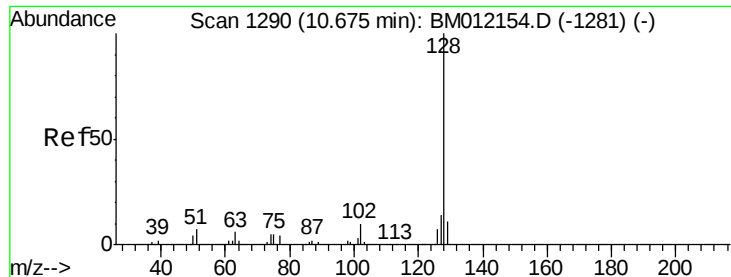
Delta R.T. -0.01 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Tgt Ion:	70	Resp:	310043
Ion Ratio		Lower	Upper
70	100		
42	58.3	76.0	114.0#
101	9.4	6.7	10.1
130	22.6	14.6	22.0#





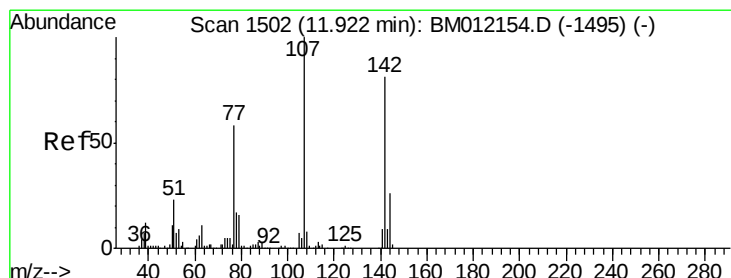
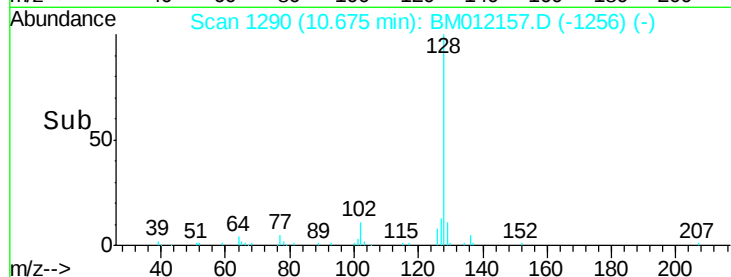
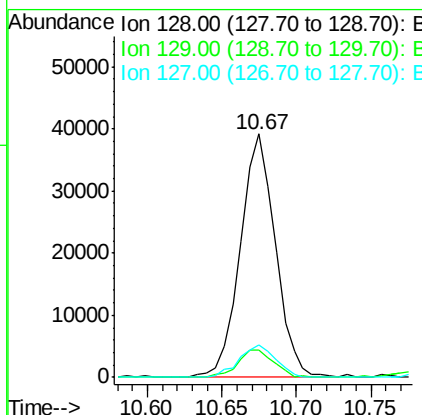
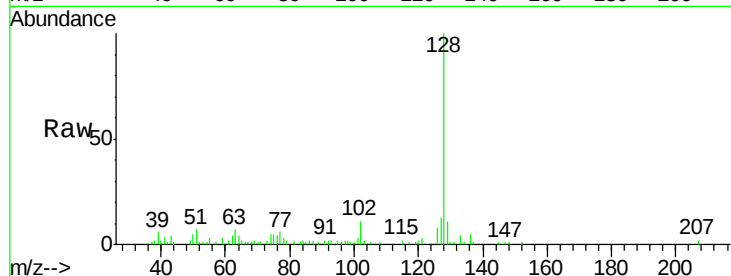
#28
Naphthalene
Concen: 1.33 ng/ul
RT: 10.67 min Scan# 1290
Delta R.T. 0.00 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

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B-59(FILL)-100317MS

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.2	10.6	16.0

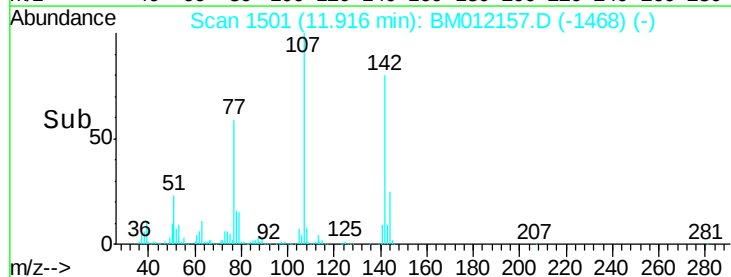
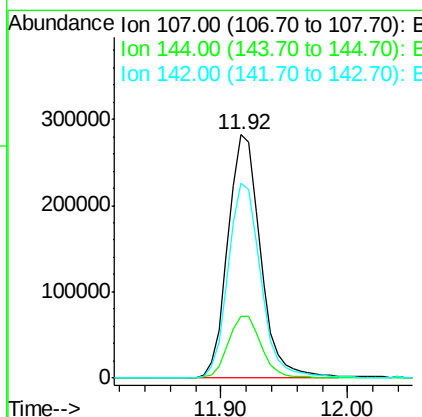
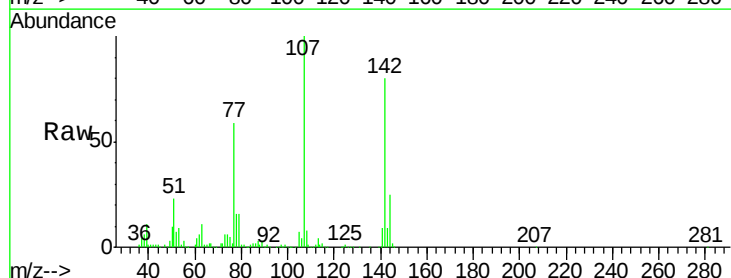
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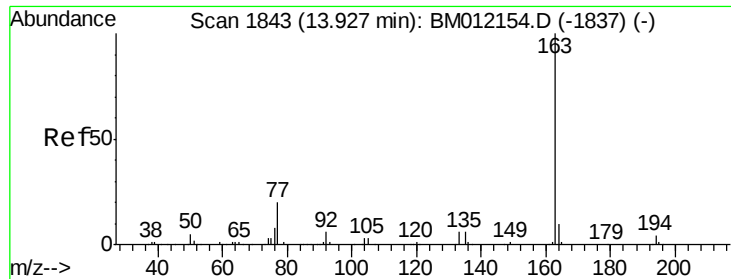
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#33
4-Chloro-3-methylphenol
Concen: 30.90 ng/ul
RT: 11.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.4	30.6
142	80.0	60.5	90.7





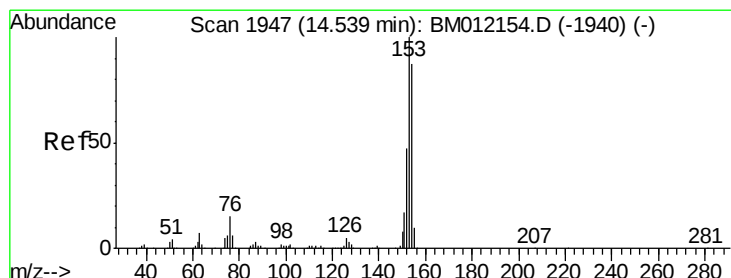
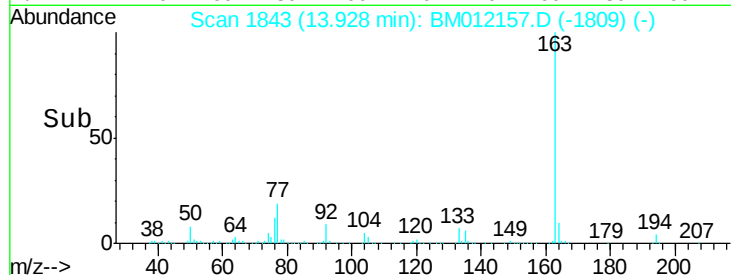
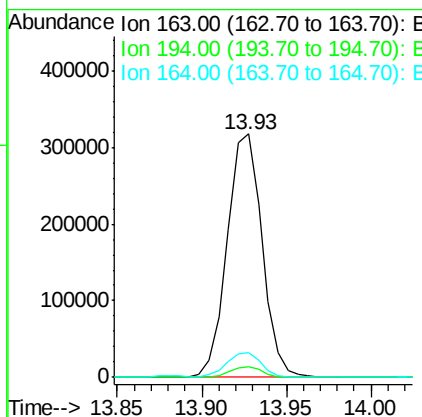
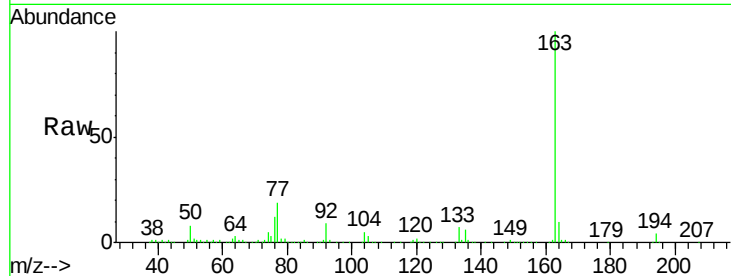
#44
Dimethylphthalate
Concen: 10.11 ng/ul
RT: 13.93 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

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Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.2	12.4

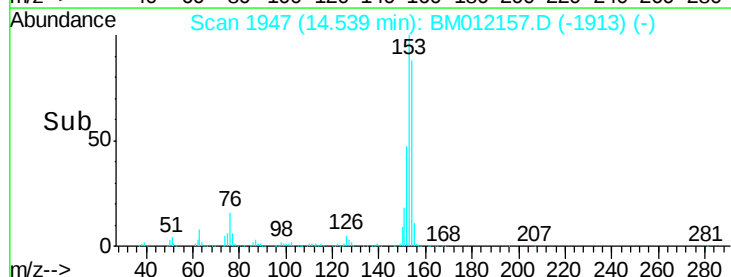
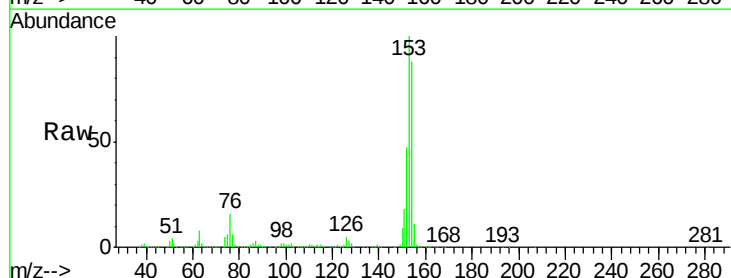
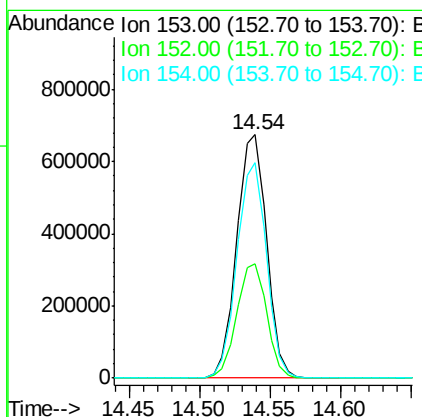
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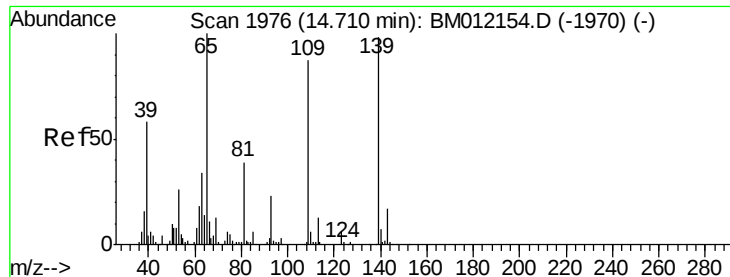
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#49
Acenaphthene
Concen: 27.95 ng/ul
RT: 14.54 min Scan# 1947
Delta R.T. 0.00 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.6	56.4
154	88.4	70.4	105.6





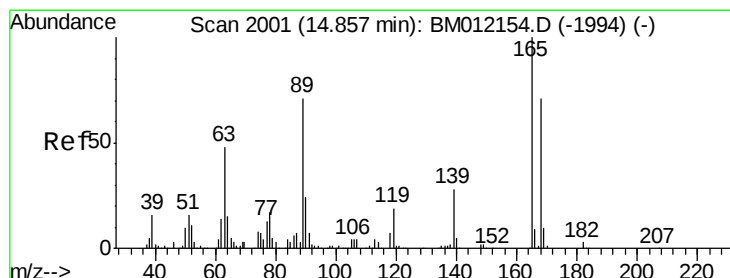
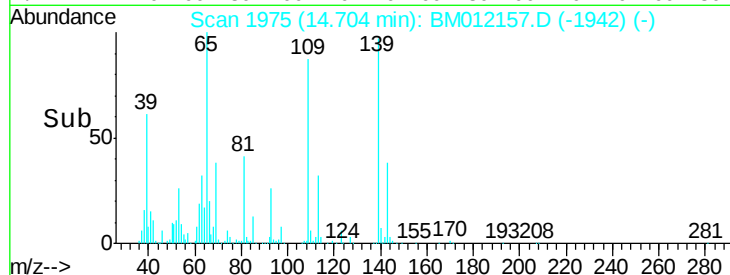
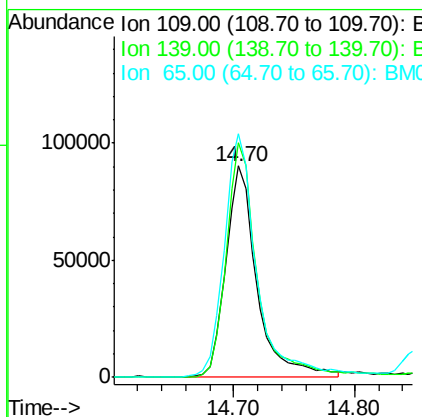
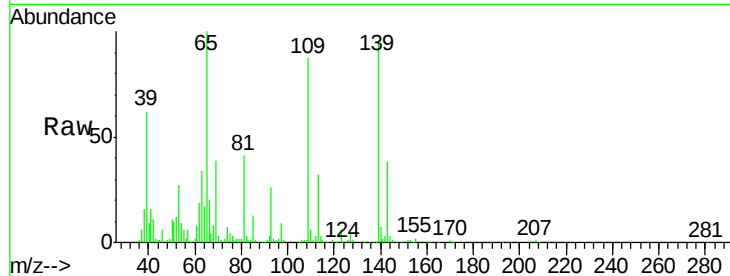
#52
4-Nitrophenol
Concen: 26.46 ng/ul
RT: 14.70 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

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Tgt Ion	Ratio	Resp	Lower	Upper
109	100	160091		
139	111.0	80.0	120.0	
65	115.1	120.0	180.0	

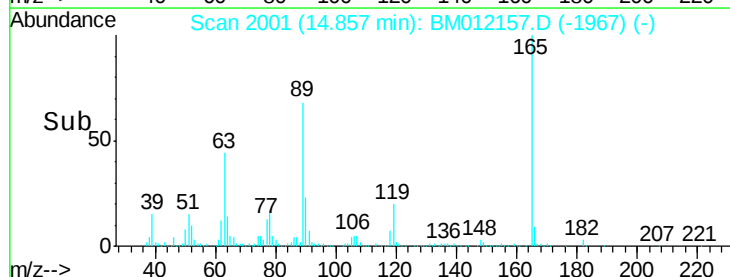
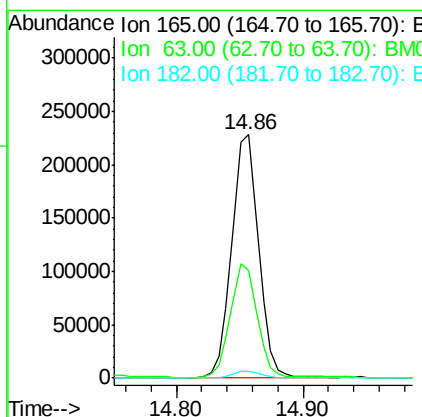
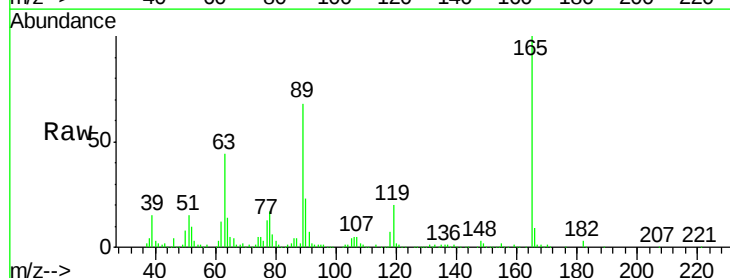
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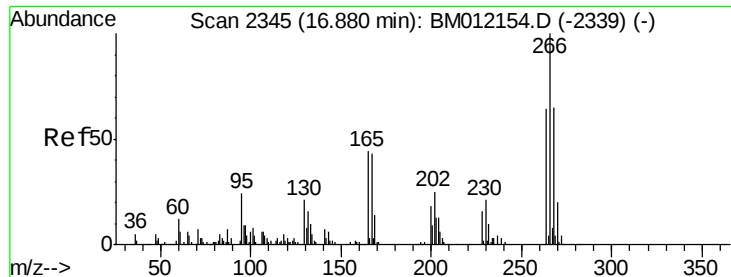
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#54
2,4-Dinitrotoluene
Concen: 25.97 ng/ul
RT: 14.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	335202		
63	44.1	45.8	68.8	
182	3.0	2.6	4.0	





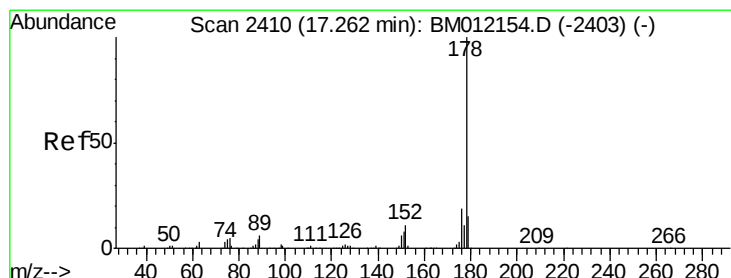
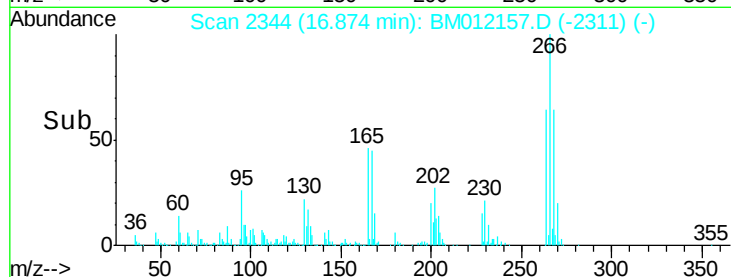
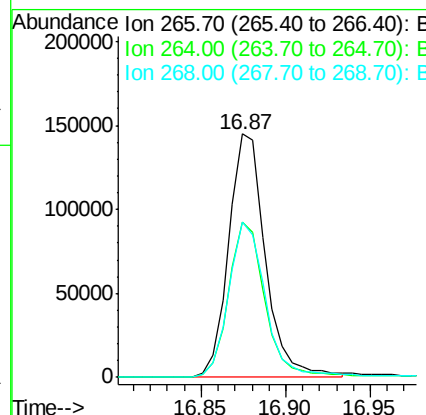
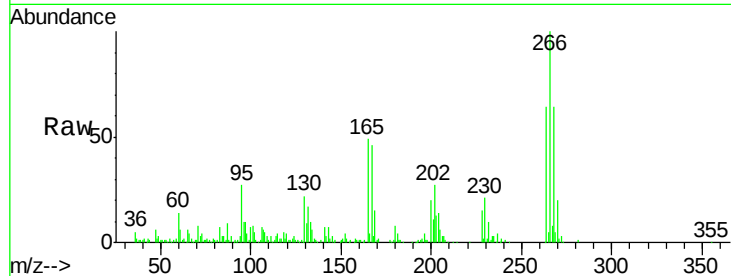
#68
 Pentachlorophenol
 Concen: 29.24 ng/ul
 RT: 16.87 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: BM012157.D
 Acq: 14 Oct 2017 05:03

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Tgt Ion	Ratio	Resp	Lower	Upper
266	100	219402		
264	63.6	49.3	73.9	
268	63.8	52.6	78.8	

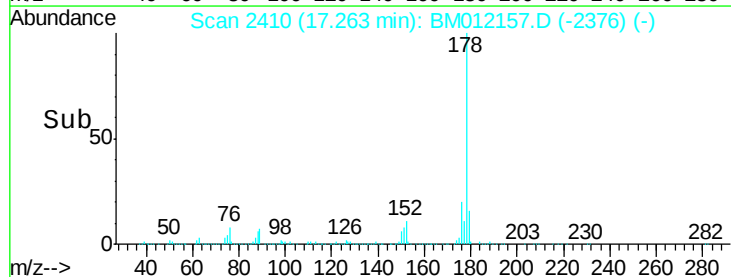
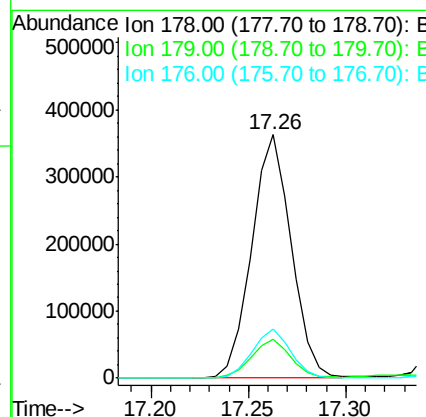
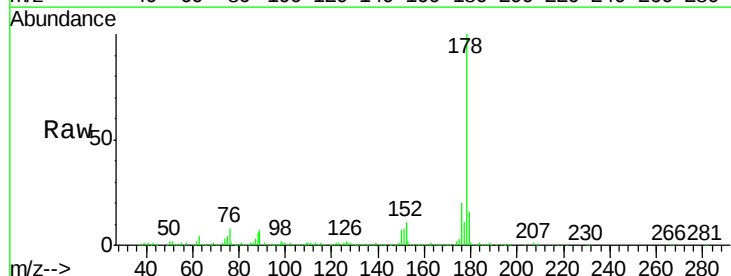
Manual Integrations
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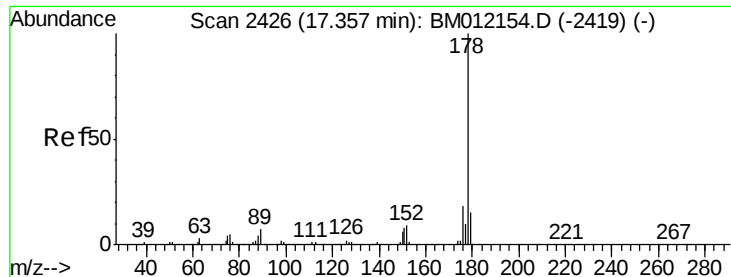
Sohil
 10/15/2017 12:44:46 PM



#69
 Phenanthrene
 Concen: 8.96 ng/ul
 RT: 17.26 min Scan# 2410
 Delta R.T. 0.00 min
 Lab File: BM012157.D
 Acq: 14 Oct 2017 05:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	505660		
179	15.9	12.6	19.0	
176	20.1	14.9	22.3	





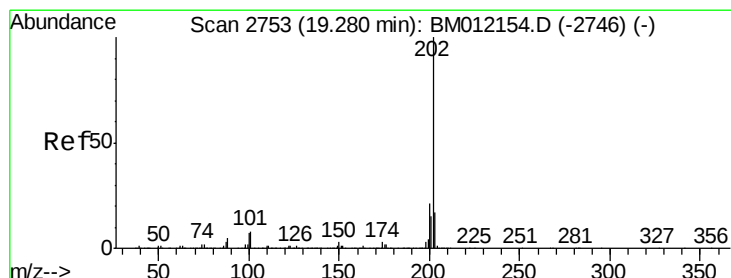
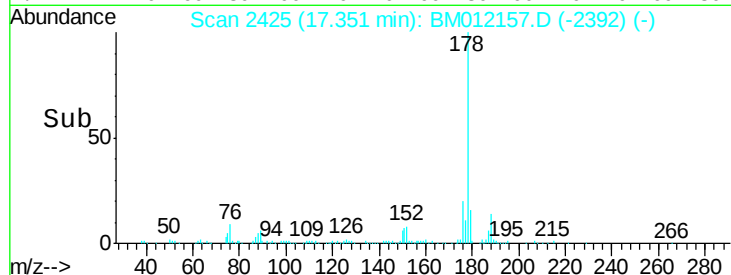
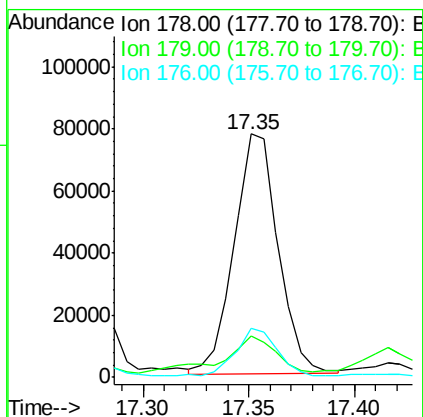
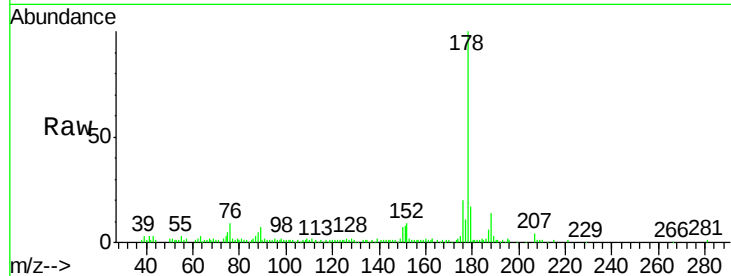
#71
 Anthracene
 Concen: 1.91 ng/ul
 RT: 17.35 min Scan# 2425
 Delta R.T. -0.01 min
 Lab File: BM012157.D
 Acq: 14 Oct 2017 05:03

Instrument :
 BNA_M
 ClientSampleId :
 B-59(FILL)-100317MS

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.1	11.7	17.5
176	19.9	14.6	21.8

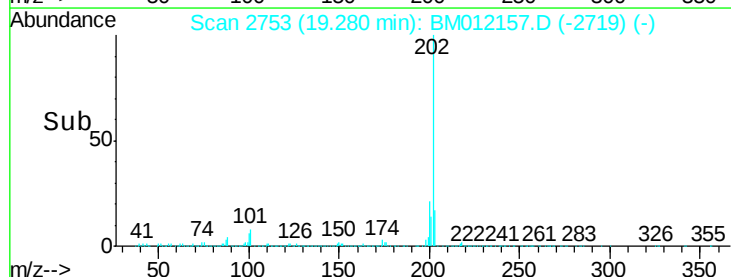
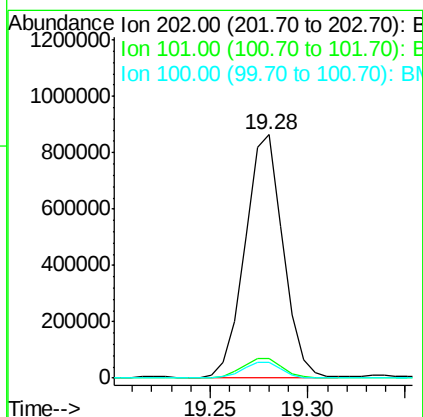
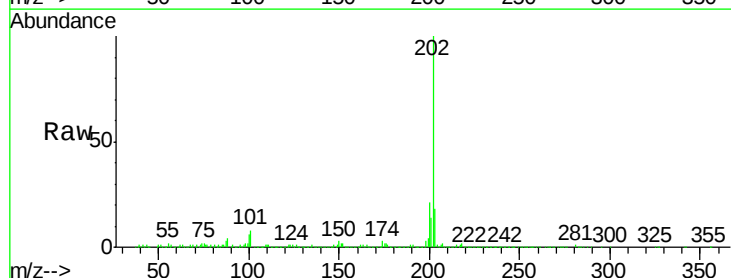
Manual Integrations
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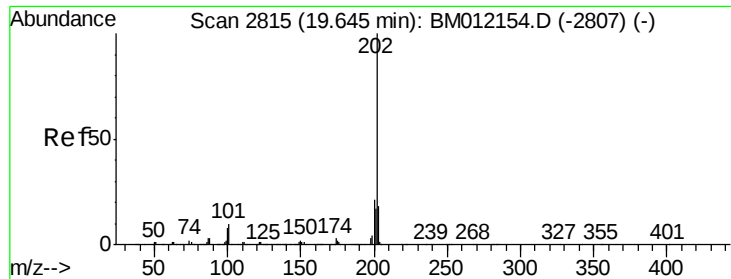
Sohil
 10/15/2017 12:44:46 PM



#74
 Fluoranthene
 Concen: 17.08 ng/ul
 RT: 19.28 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: BM012157.D
 Acq: 14 Oct 2017 05:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	4.6	7.0#
100	6.5	3.4	5.2#





#77

Pyrene

Concen: 52.20 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

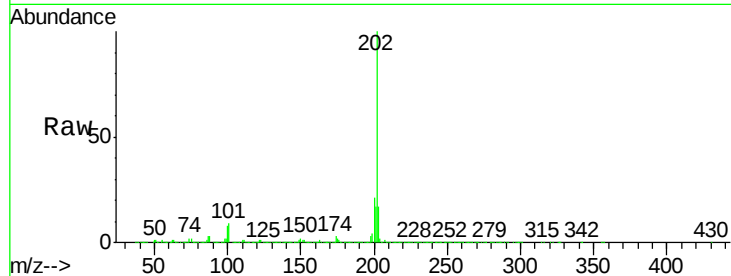
ClientSampleId :

B-59(FILL)-100317MS

Tgt Ion:	202	Resp:	2966074
Ion Ratio	Lower	Upper	
202	100		
101	9.4	5.1	7.7#
100	8.0	4.9	7.3#

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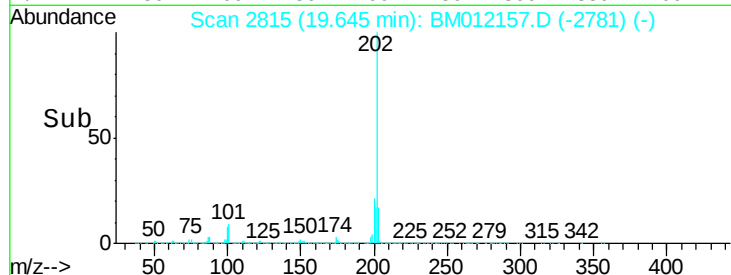


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time--> 19.55 19.60 19.65 19.70

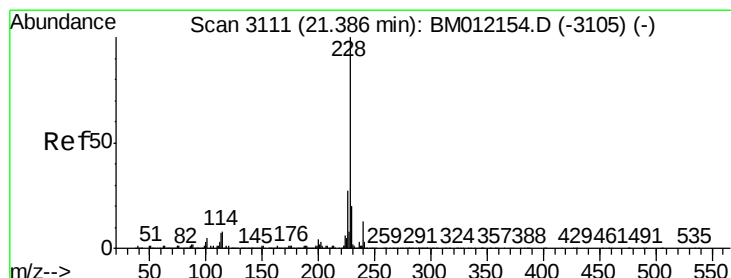


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time--> 19.55 19.60 19.65 19.70



#80

Benzo(a)anthracene

Concen: 11.04 ng/ul

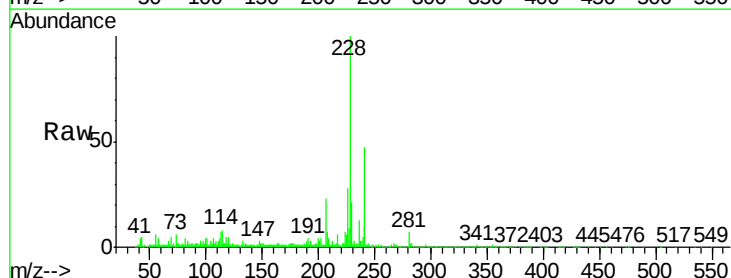
RT: 21.39 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Tgt Ion:	228	Resp:	618125
Ion Ratio	Lower	Upper	
228	100		
229	21.2	15.4	23.0
226	27.7	21.4	32.0

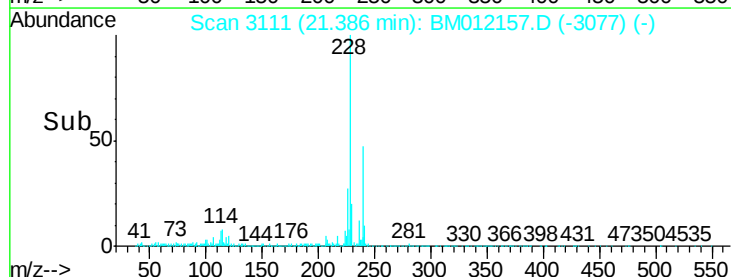


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time--> 21.35 21.40

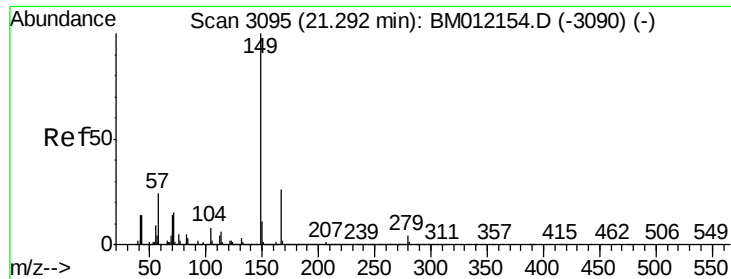


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time--> 21.35 21.40



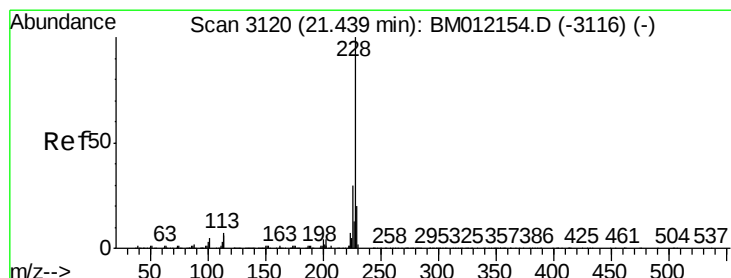
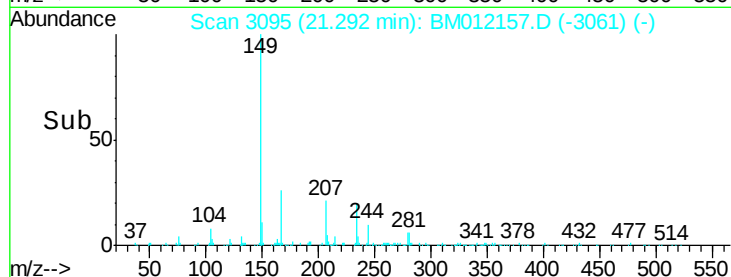
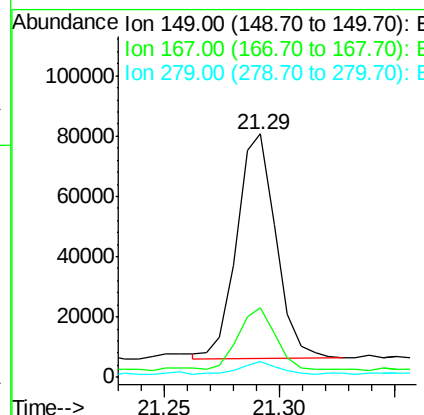
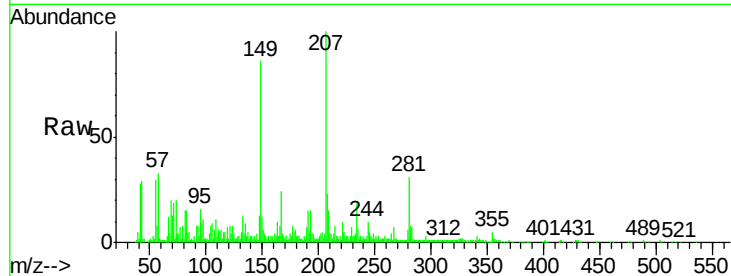
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.32 ng/ul
 RT: 21.29 min Scan# 3095
 Delta R.T. 0.00 min
 Lab File: BM012157.D
 Acq: 14 Oct 2017 05:03

Instrument :
 BNA_M
 ClientSampleId :
 B-59(FILL)-100317MS

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.8	34.2
279	6.5	4.9	7.3

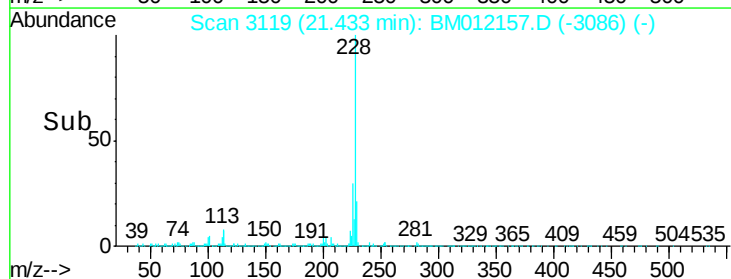
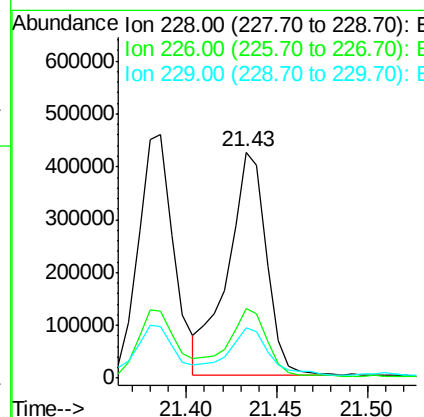
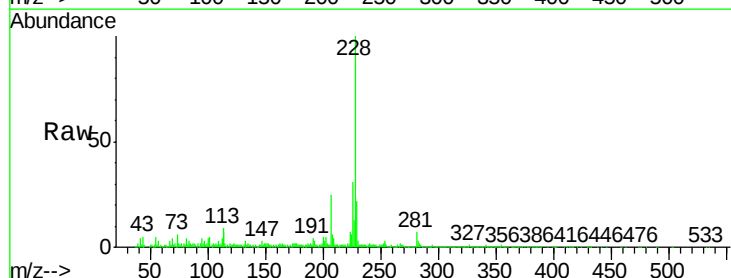
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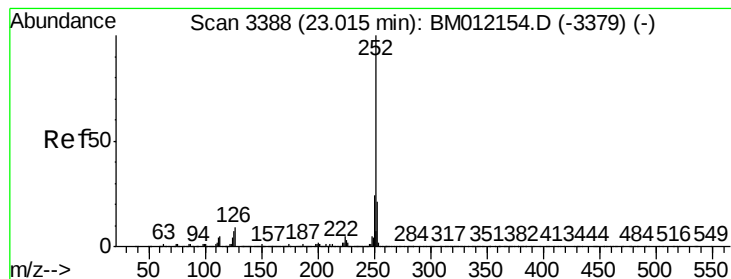
Sohil
 10/15/2017 12:44:46 PM



#82
 Chrysene
 Concen: 11.91 ng/ul
 RT: 21.43 min Scan# 3119
 Delta R.T. -0.01 min
 Lab File: BM012157.D
 Acq: 14 Oct 2017 05:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	22.0	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 14.51 ng/ul m

RT: 23.02 min Scan# 3388

Delta R.T. 0.00 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

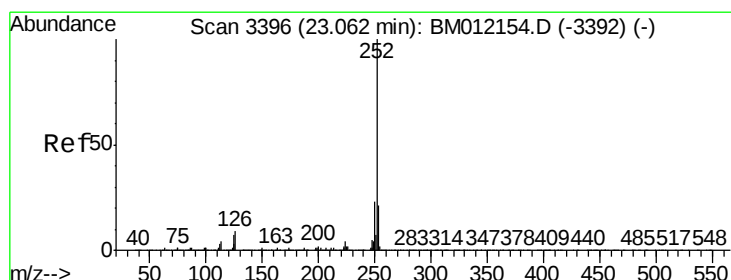
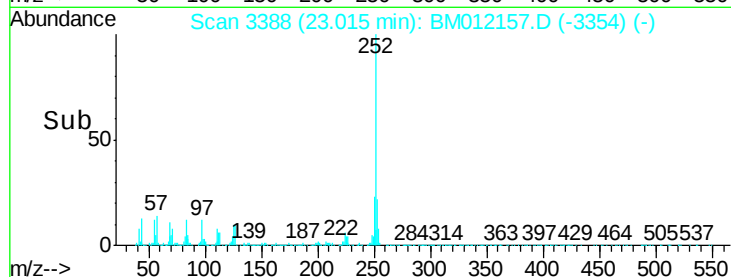
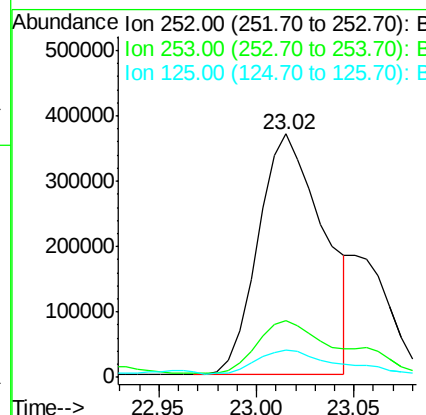
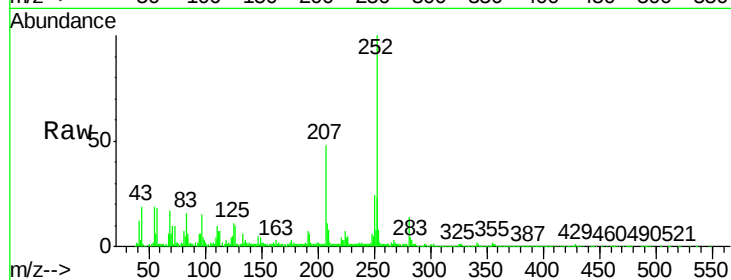
ClientSampleId :

B-59(FILL)-100317MS

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.2	17.9	26.9	
125	11.0	3.6	5.4#	

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#86

Benzo(k)fluoranthene

Concen: 4.50 ng/ul m

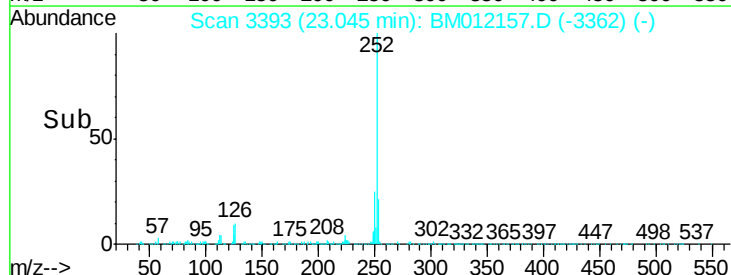
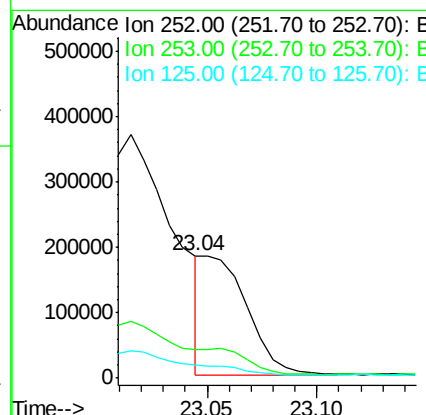
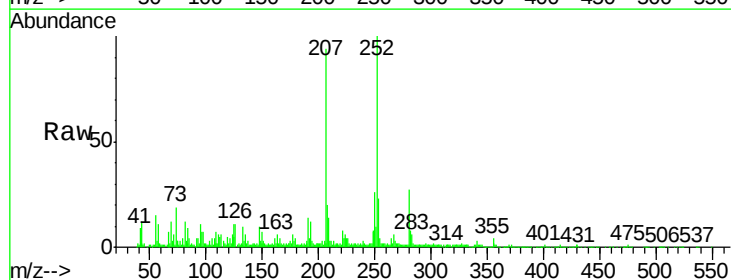
RT: 23.04 min Scan# 3393

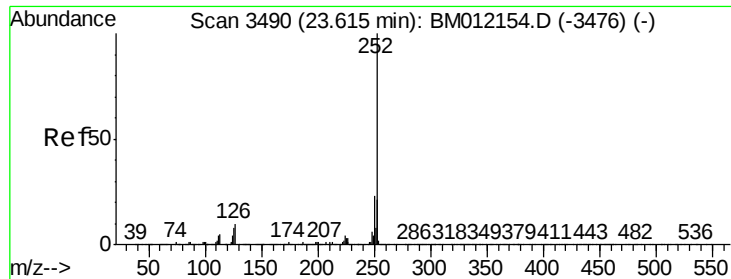
Delta R.T. -0.02 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.1	17.1	25.7	
125	11.3	3.4	5.2#	





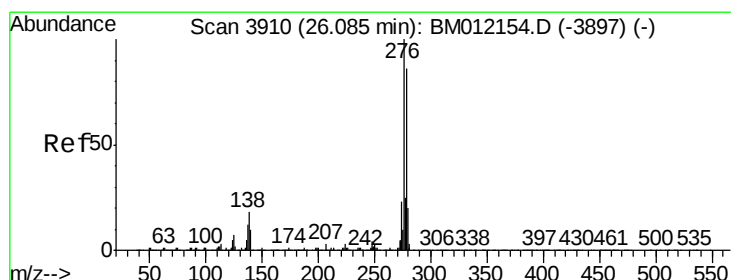
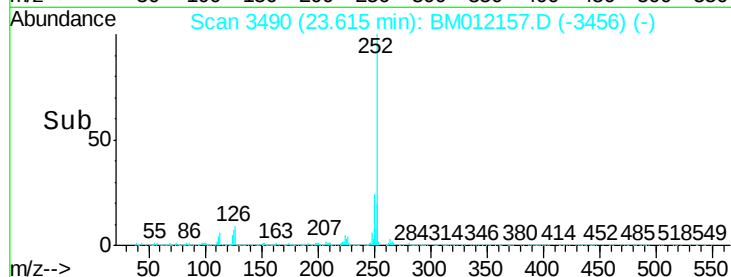
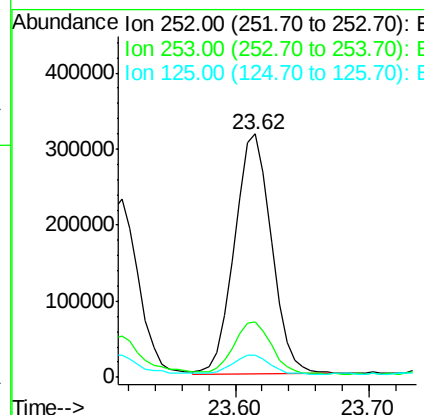
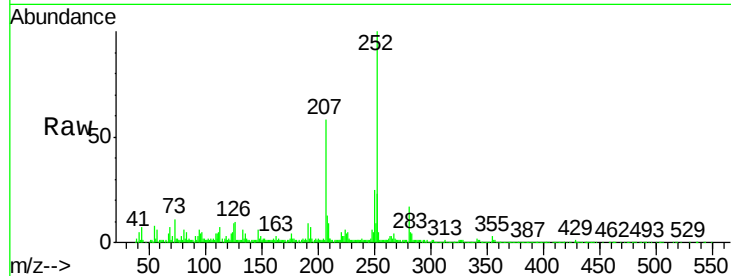
#88
Benzo(a)pyrene
Concen: 10.88 ng/ul
RT: 23.62 min Scan# 3490
Delta R.T. 0.00 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.0	18.2	27.2
125	8.9	4.0	6.0#

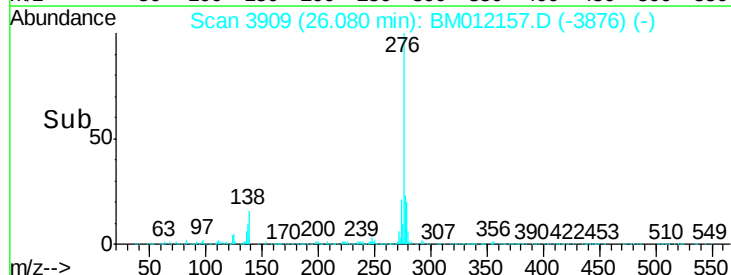
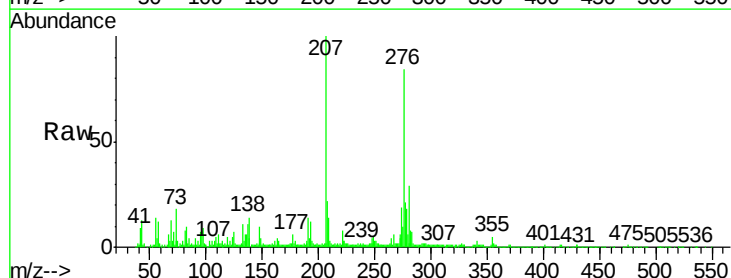
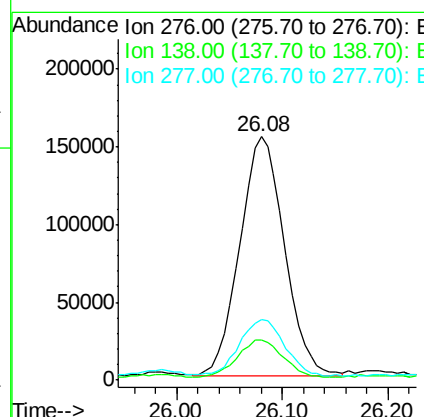
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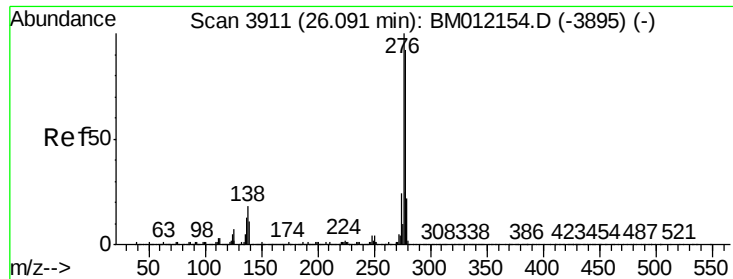
Sohil
10/15/2017 12:44:46 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 7.61 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. -0.01 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	16.3	9.3	13.9#
277	24.8	19.9	29.9





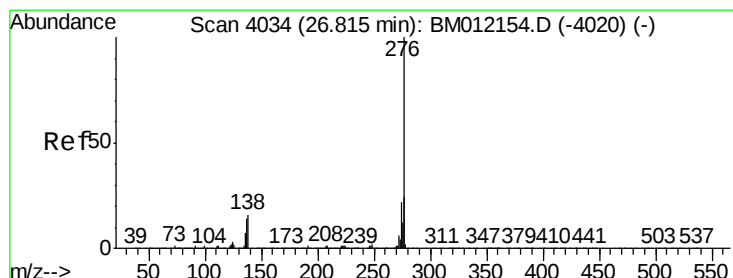
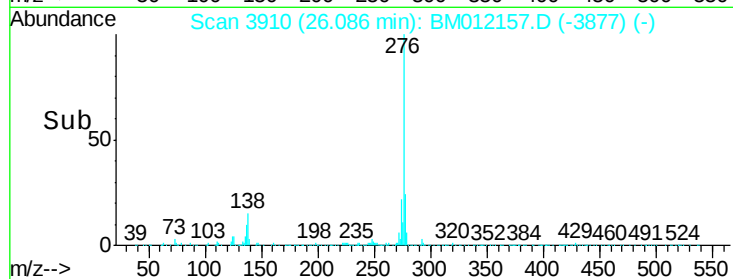
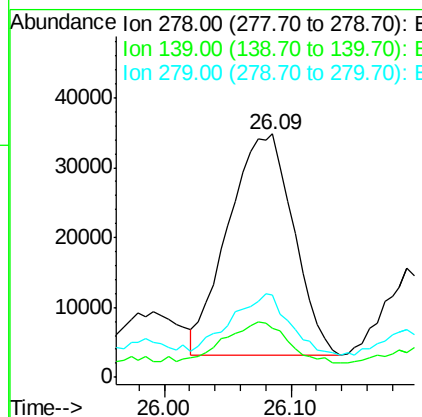
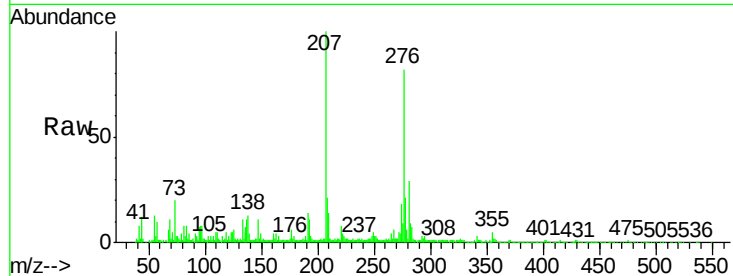
#90
Dibenzo(a,h)anthracene
Concen: 2.27 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MS

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	112622		
139	20.2	5.8	8.8#	
279	33.8	18.6	27.8#	

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.20 ng/ul
RT: 26.81 min Scan# 4033
Delta R.T. -0.01 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	396514		
138	17.6	8.5	12.7#	
277	24.6	18.6	28.0	

