

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
 Data File : BM012138.D
 Acq On : 13 Oct 2017 15:45
 Operator : SJ/JU
 Sample : I5533-09DL 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-54(1-2)-092817DL

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:37:36 PM

Quant Time: Oct 14 01:06:41 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 14 00:15:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	185902	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	821055	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	503715	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	1172061	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	1322414	20.00	ng/ul	0.00
83) Perylene-d12	23.76	264	1067019	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	1319	0.34	ng/uL	0.00
5) Phenol-d5	7.02	99	19268	1.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	12586	1.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	17409	1.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	16364	1.26	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	7809	1.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	8200	1.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	17495	1.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	15628m	1.19	ng/ul	0.01
43) Dimethylphthalate-d6	13.90	166	63349	1.42	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	77677	1.44	ng/ul	0.00
51) 4-Nitrophenol-d4	14.75	143	2815	0.42	ng/ul	0.02
57) Fluorene-d10	15.49	176	56904	1.56	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.34	188	92802	1.60	ng/ul	0.00
76) Pyrene-d10	19.64	212	103008	1.53	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	74805	1.45	ng/ul	-0.01

Target Compounds

						Qvalue
28) Naphthalene	10.70	128	373661	8.80	ng/ul	99
34) 2-Methylnaphthalene	12.32	142	169751	5.30	ng/ul	94
40) 1,1'-Biphenyl	13.33	154	67373	1.58	ng/ul	98
49) Acenaphthene	14.56	153	428997	12.04	ng/ul	99
53) Dibenzofuran	14.90	168	558560	10.88	ng/ul	98
58) Fluorene	15.54	166	718871	16.86	ng/ul	98
69) Phenanthrene	17.29	178	8434807	126.51	ng/ul	99
71) Anthracene	17.38	178	1950299	28.25	ng/ul	99
72) Carbazole	17.65	167	541537	9.27	ng/ul	98
74) Fluoranthene	19.31	202	9059883	112.60	ng/ul#	91
77) Pyrene	19.67	202	7639291	87.47	ng/ul#	91
80) Benzo(a)anthracene	21.42	228	3615048	42.01	ng/ul	97
82) Chrysene	21.47	228	3090128	38.25	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	3040464	43.66	ng/ul#	97
86) Benzo(k)fluoranthene	23.09	252	970071m	14.46	ng/ul	
88) Benzo(a)pyrene	23.66	252	2223700	33.88	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.16	276	1213810	17.42	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.16	278	313279	5.35	ng/ul#	81
91) Benzo(g,h,i)perylene	26.90	276	1088026	19.06	ng/ul#	90

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

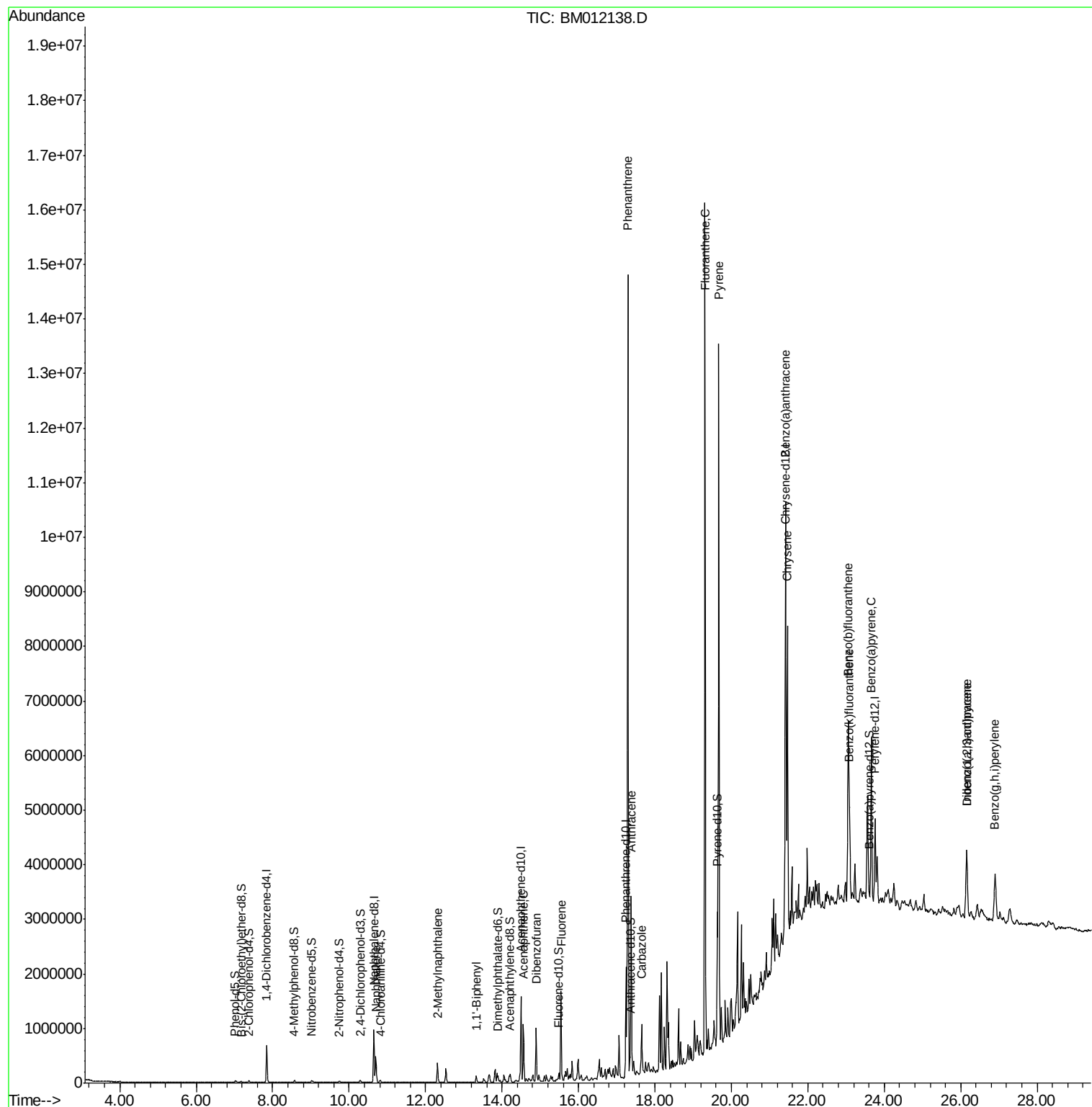
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012138.D
Acq On : 13 Oct 2017 15:45
Operator : SJ/JU
Sample : I5533-09DL 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

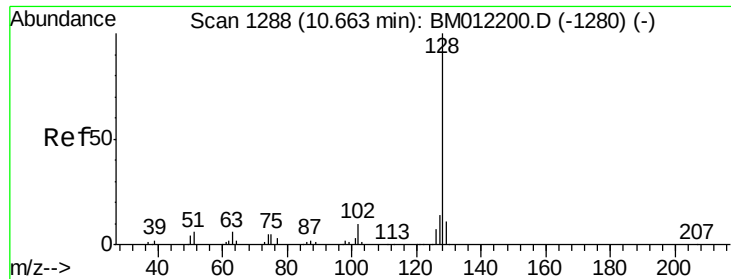
Instrument :
BNA_M
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B-54(1-2)-092817DL

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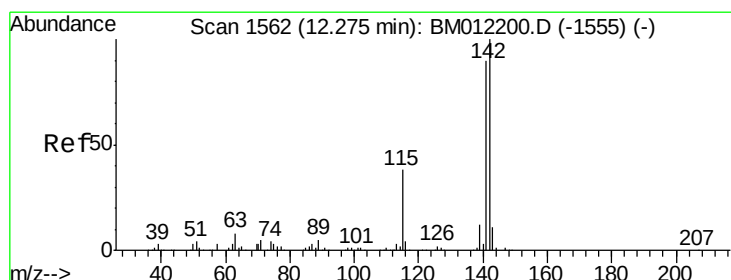
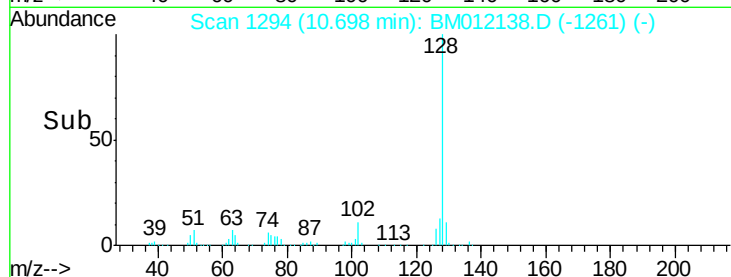
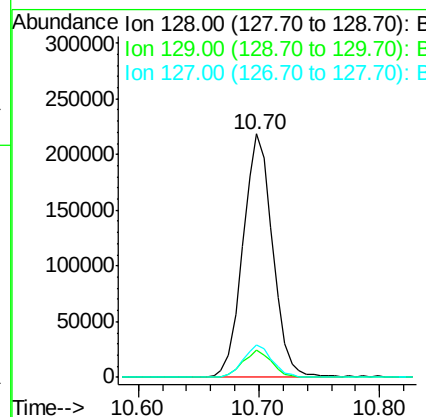
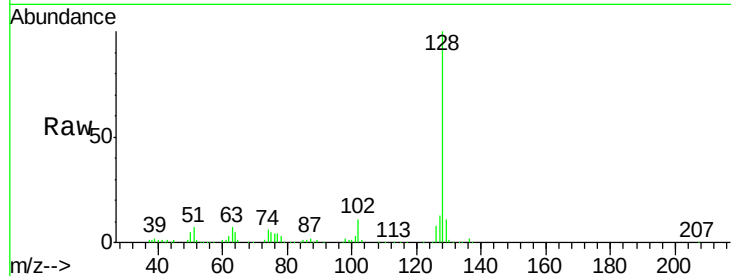
#28
Naphthalene
Concen: 8.80 ng/ul
RT: 10.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	373661		
129	11.5	8.8	13.2	
127	13.5	10.6	16.0	

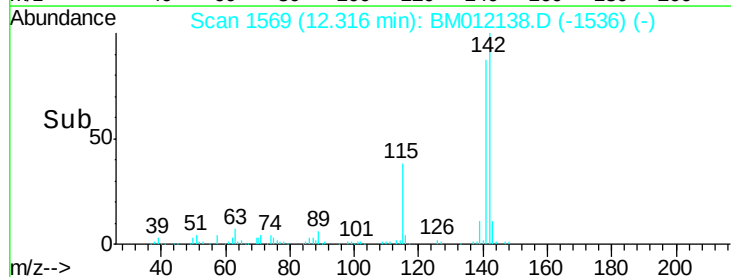
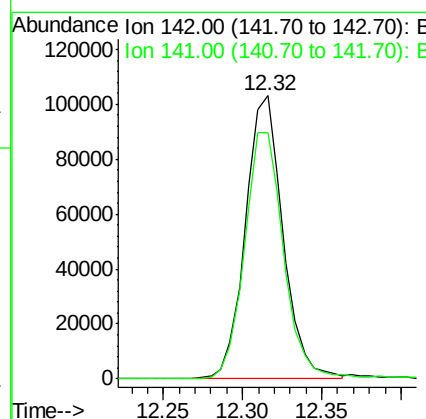
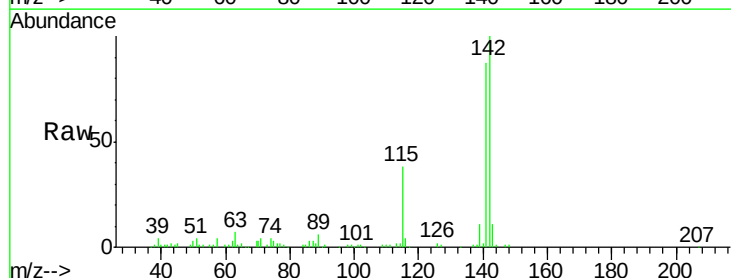
Manual Integrations
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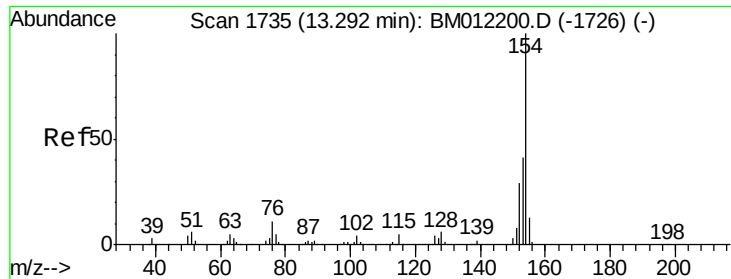
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#34
2-Methylnaphthalene
Concen: 5.30 ng/ul
RT: 12.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	169751		
141	86.9	74.1	111.1	





#40

1,1'-Biphenyl

Concen: 1.58 ng/ul

RT: 13.33 min Scan# 1741

Delta R.T. 0.00 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Instrument :

BNA_M

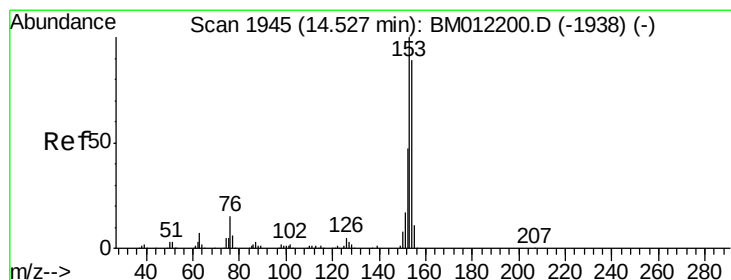
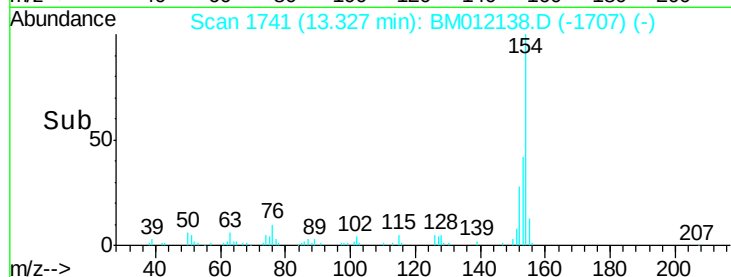
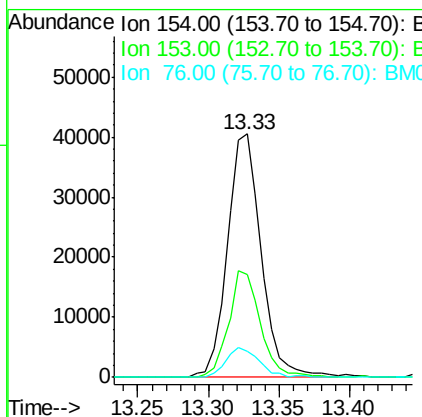
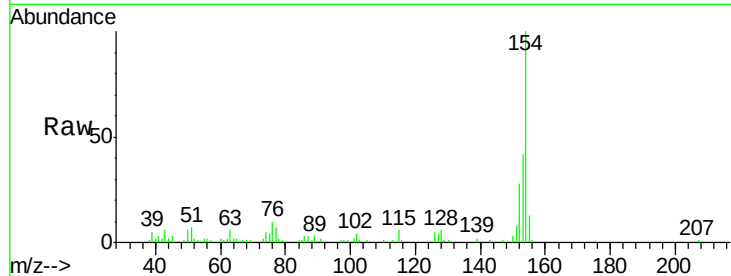
ClientSampleId :

B-54(1-2)-092817DL

Tgt Ion:	154	Resp:	67373
Ion Ratio	Lower	Upper	
154	100		
153	42.0	32.6	48.8
76	10.5	8.5	12.7

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#49

Acenaphthene

Concen: 12.04 ng/ul

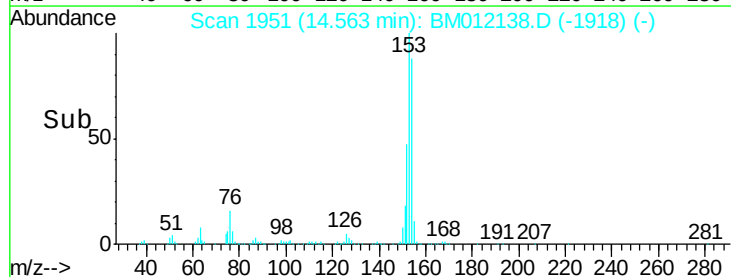
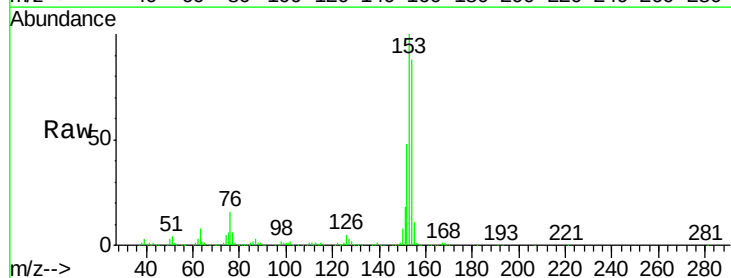
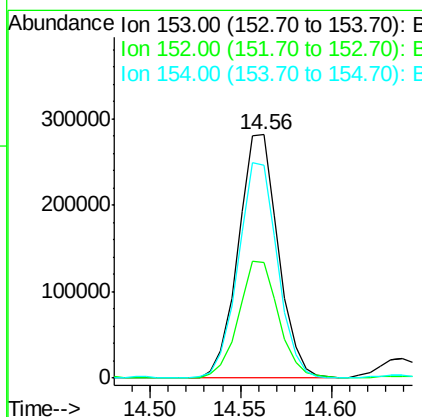
RT: 14.56 min Scan# 1951

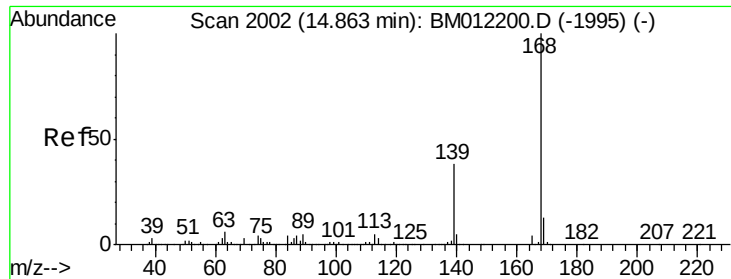
Delta R.T. -0.01 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Tgt Ion:	153	Resp:	428997
Ion Ratio	Lower	Upper	
153	100		
152	47.5	37.6	56.4
154	87.5	70.4	105.6





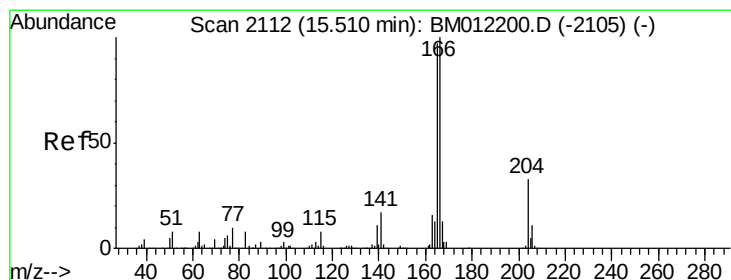
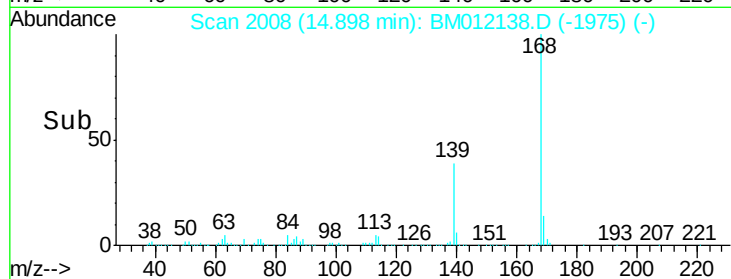
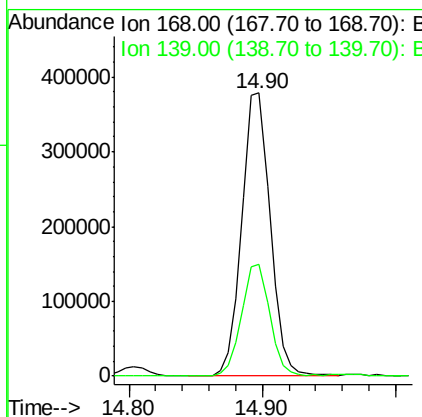
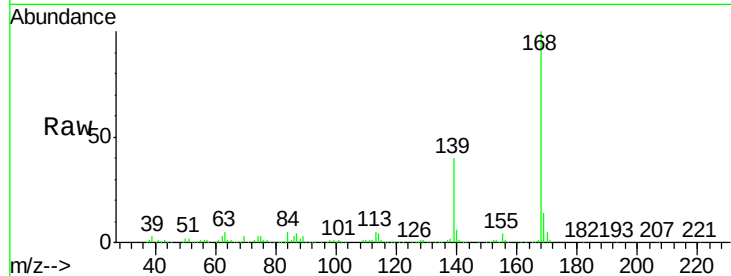
#53
Dibenzenofuran
Concen: 10.88 ng/ul
RT: 14.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817DL

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	558560		
139	39.7	30.8	46.2	

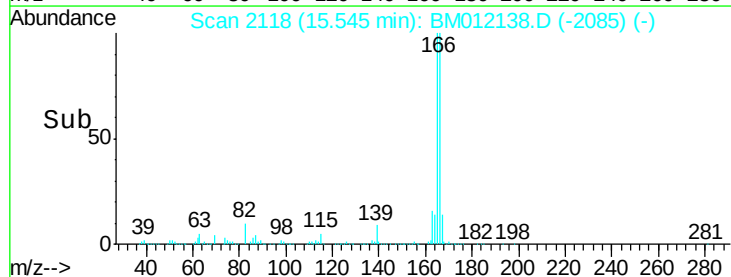
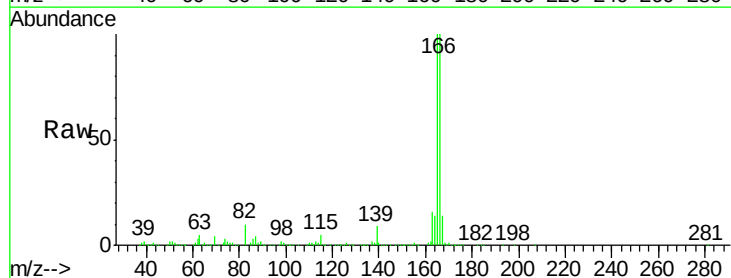
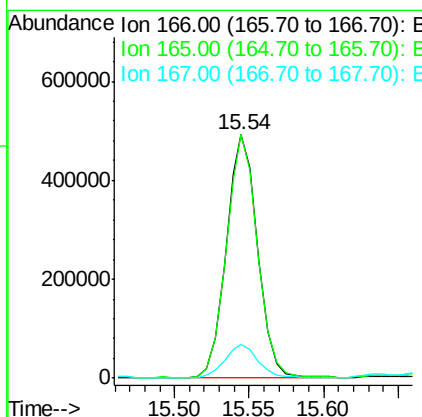
Manual Integrations
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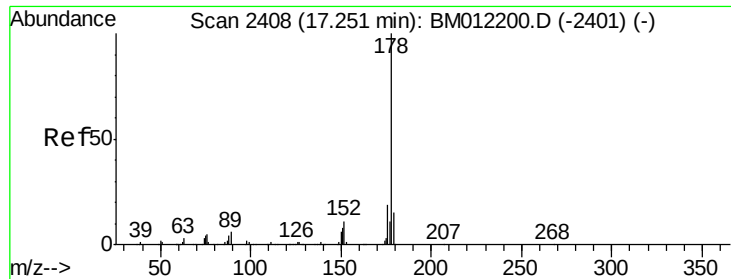
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#58
Fluorene
Concen: 16.86 ng/ul
RT: 15.54 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	718871		
165	99.9	77.9	116.9	
167	14.0	10.6	16.0	





#69

Phenanthrene

Concen: 126.51 ng/ul

RT: 17.29 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Instrument :

BNA_M

ClientSampleId :

B-54(1-2)-092817DL

Tgt Ion:178 Resp: 8434807

Ion Ratio Lower Upper

178 100

179 16.0 12.6 19.0

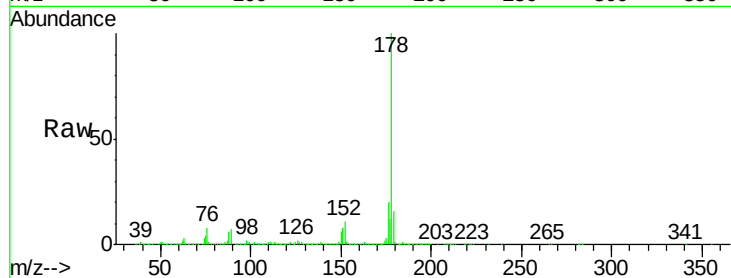
176 19.6 14.9 22.3

Manual Integrations

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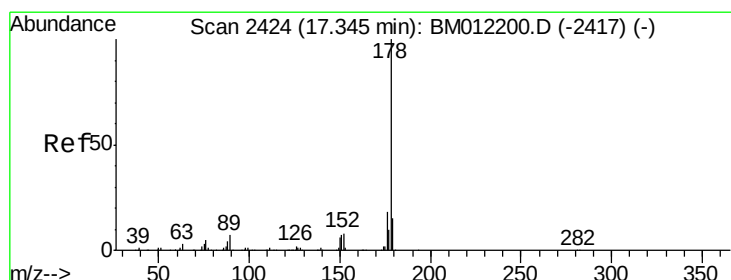
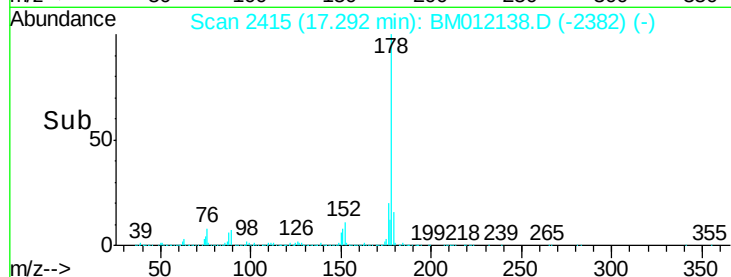
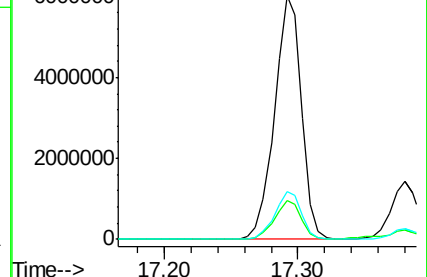
10/15/2017 12:37:36 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 28.25 ng/ul

RT: 17.38 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

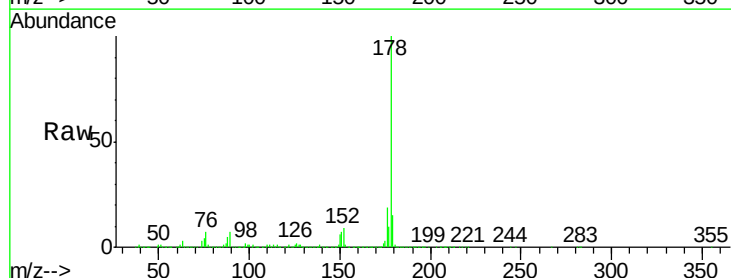
Tgt Ion:178 Resp: 1950299

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

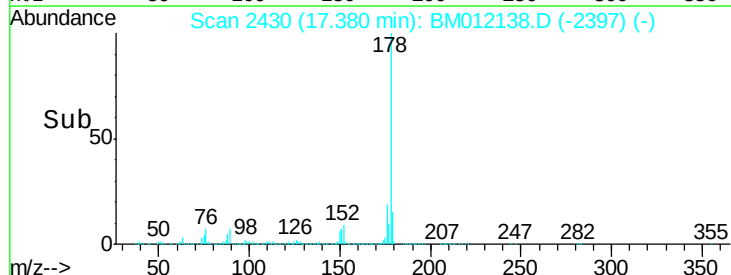
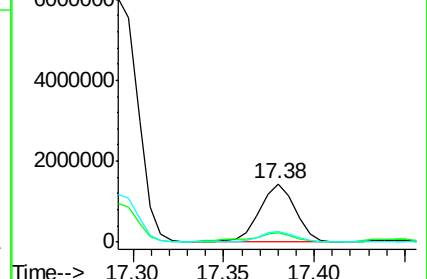
176 18.8 14.6 21.8

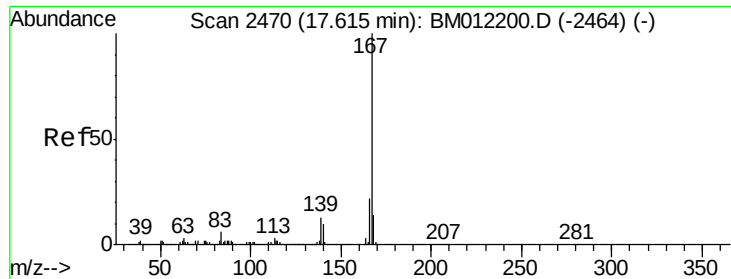


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 9.27 ng/ul

RT: 17.65 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Instrument :

BNA_M

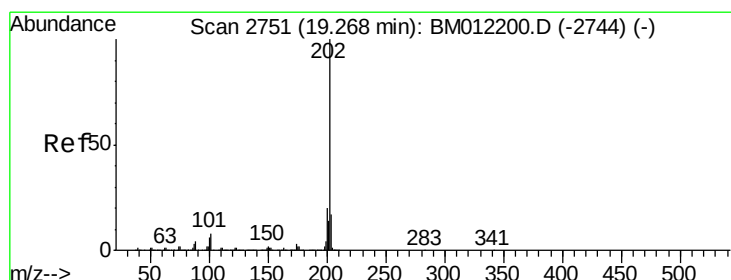
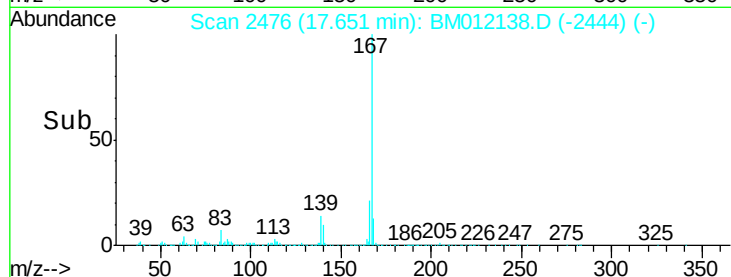
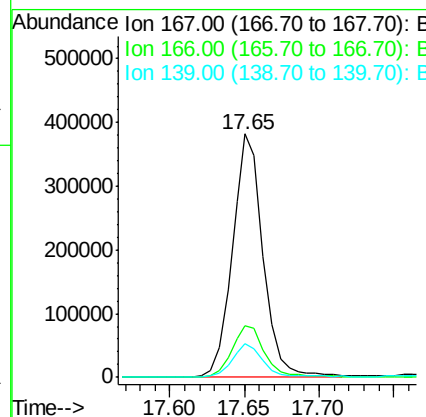
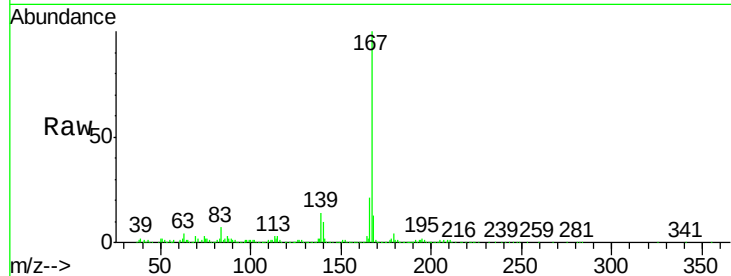
ClientSampleId :

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Tgt Ion:	167	Resp:	541537
Ion Ratio		Lower	Upper
167	100		
166	21.3	17.1	25.7
139	14.0	10.0	15.0

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#74

Fluoranthene

Concen: 112.60 ng/ul

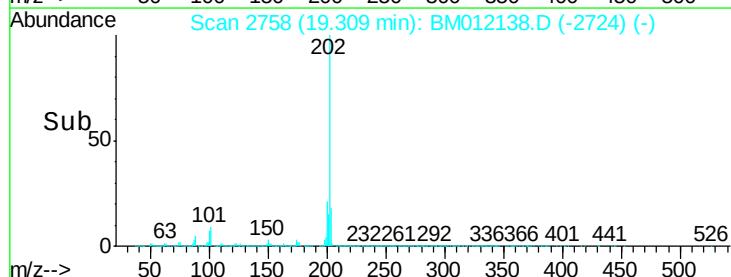
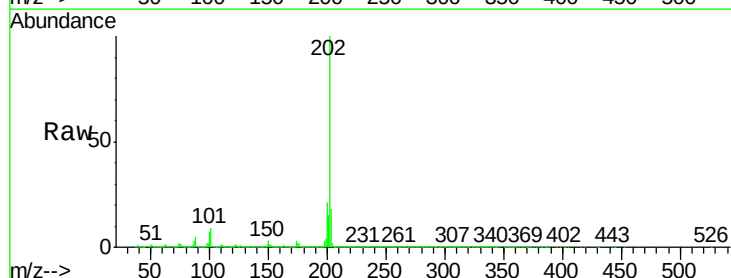
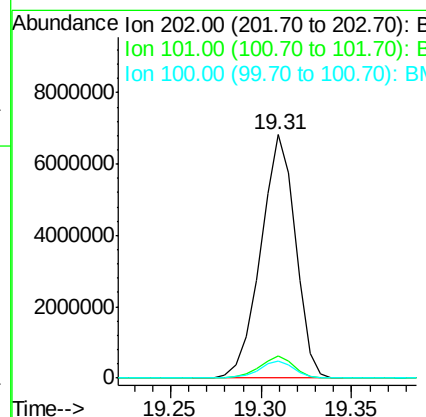
RT: 19.31 min Scan# 2758

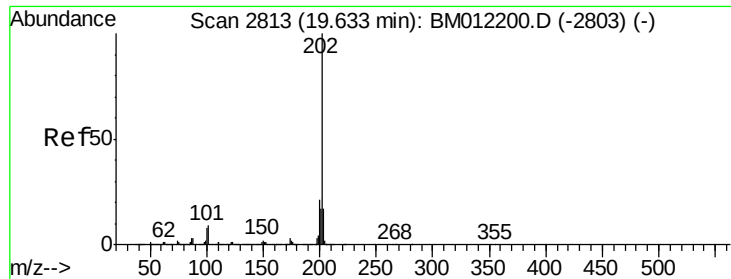
Delta R.T. 0.00 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Tgt Ion:	202	Resp:	9059883
Ion Ratio		Lower	Upper
202	100		
101	9.1	4.6	7.0#
100	7.2	3.4	5.2#





#77

Pyrene

Concen: 87.47 ng/ul

RT: 19.67 min Scan# 2820

Delta R.T. 0.00 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Instrument :

BNA_M

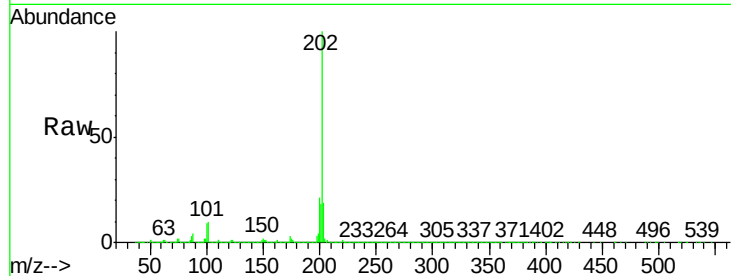
ClientSampleId :

B-54(1-2)-092817DL

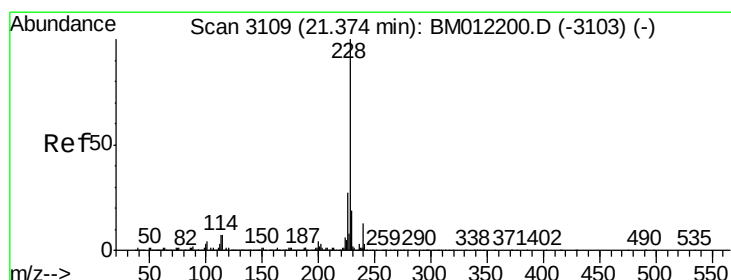
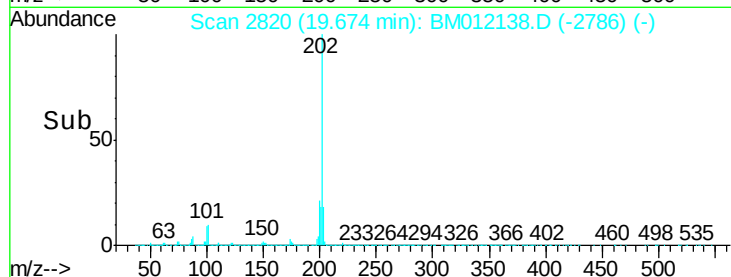
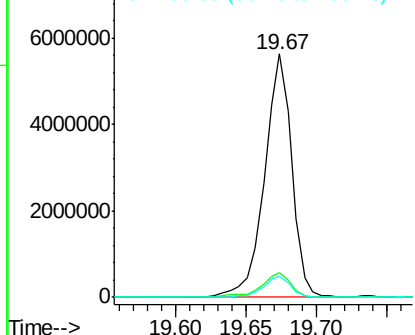
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	10.3	5.1	7.7#	
100	8.5	4.9	7.3#	

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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): B



#80

Benzo(a)anthracene

Concen: 42.01 ng/ul

RT: 21.42 min Scan# 3116

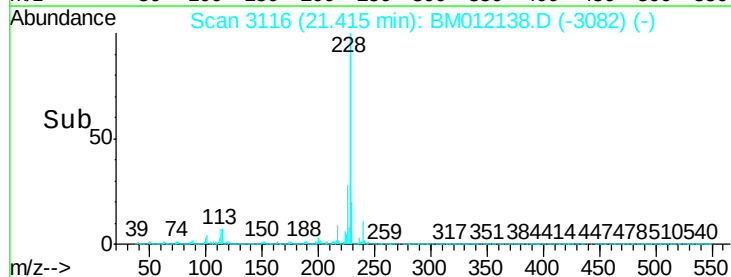
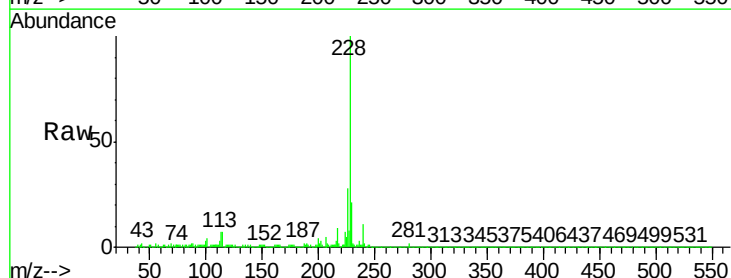
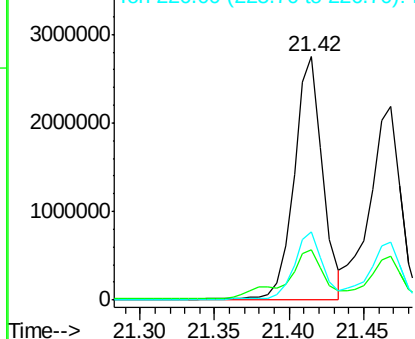
Delta R.T. 0.00 min

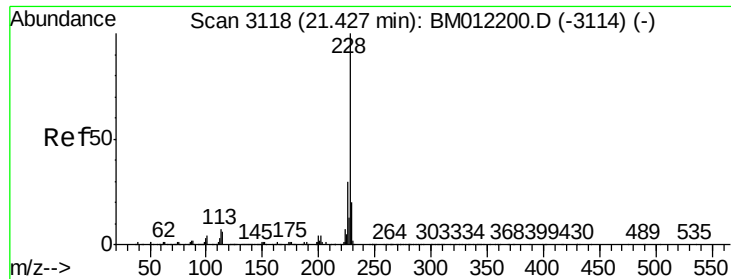
Lab File: BM012138.D

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Tgt	Ion	Ratio	Lower	Upper
228	100			
229	20.8	15.4	23.0	
226	28.0	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





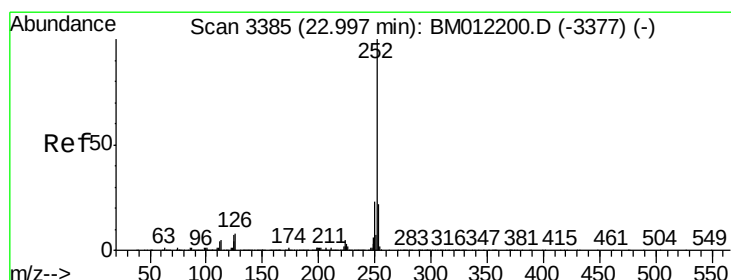
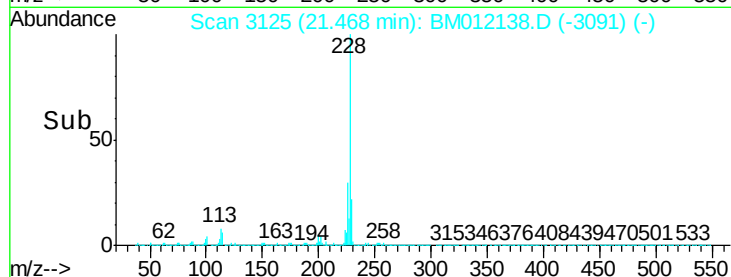
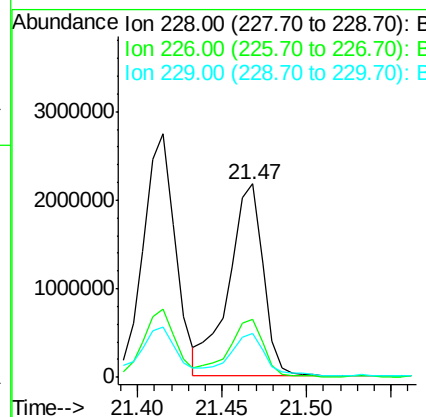
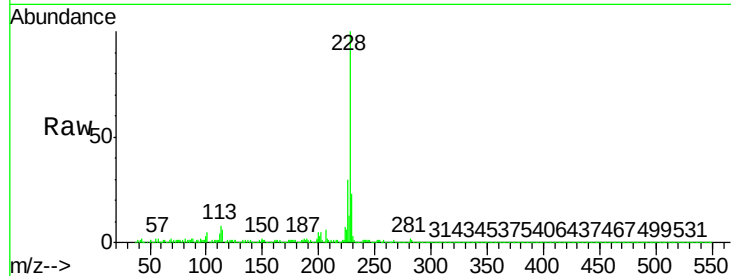
#82
Chrysene
Concen: 38.25 ng/ul
RT: 21.47 min Scan# 3125
Delta R.T. 0.00 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	22.6	15.5	23.3

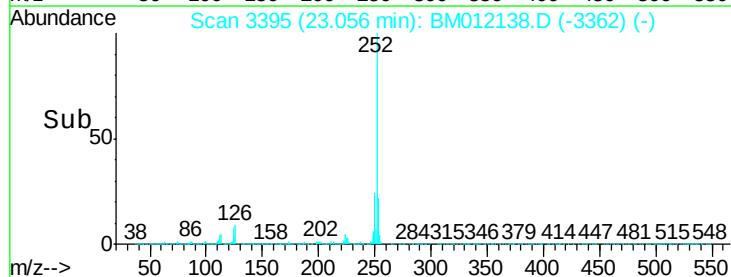
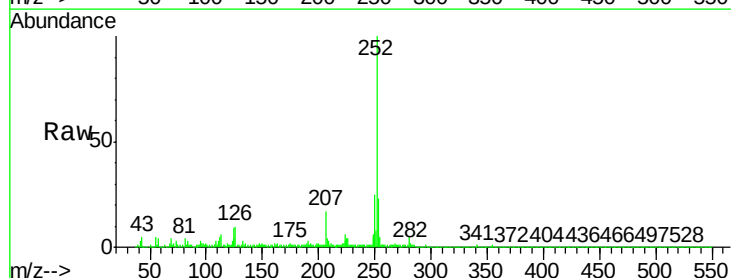
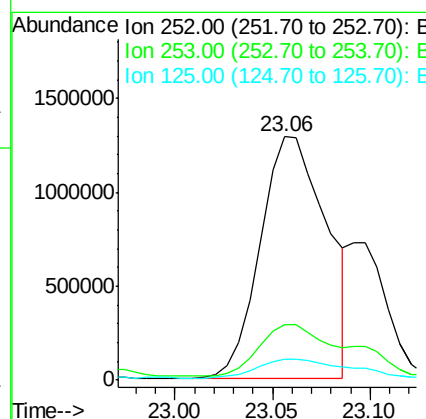
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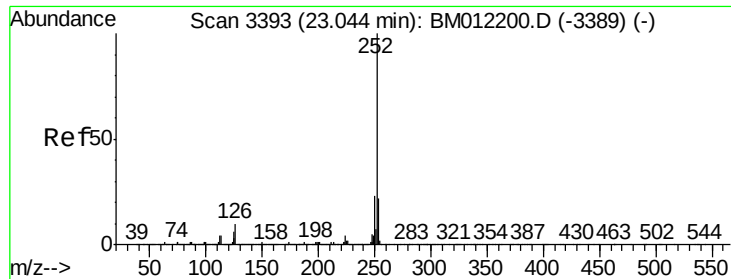
Sohil
10/15/2017 12:37:36 PM



#85
Benzo(b)fluoranthene
Concen: 43.66 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	8.6	3.6	5.4





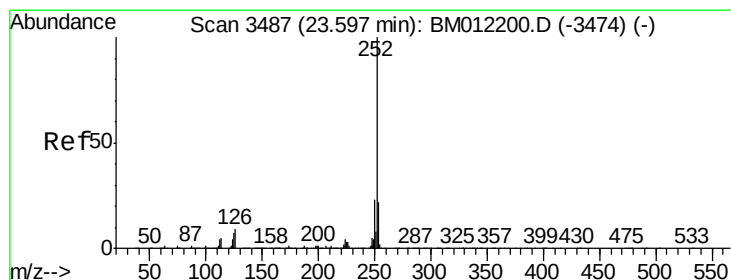
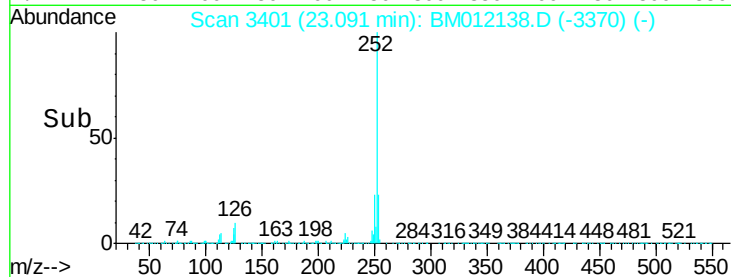
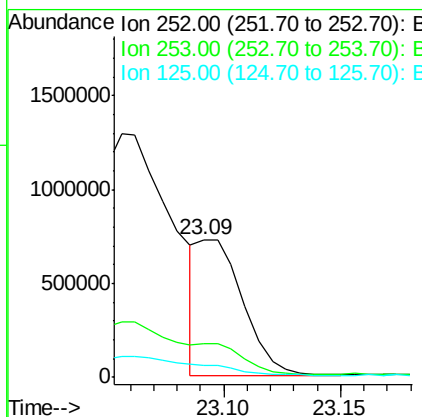
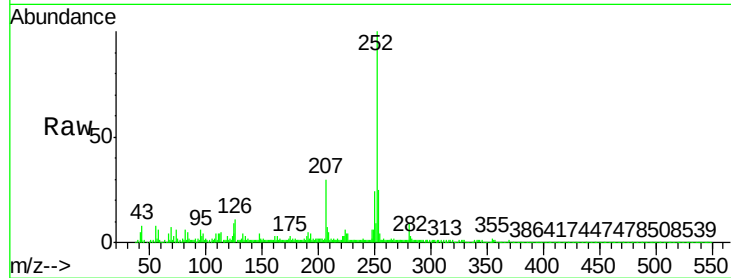
#86
Benzo(k)fluoranthene
Concen: 14.46 ng/ul m
RT: 23.09 min Scan# 3401
Delta R.T. -0.02 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	8.9	3.4	5.2#

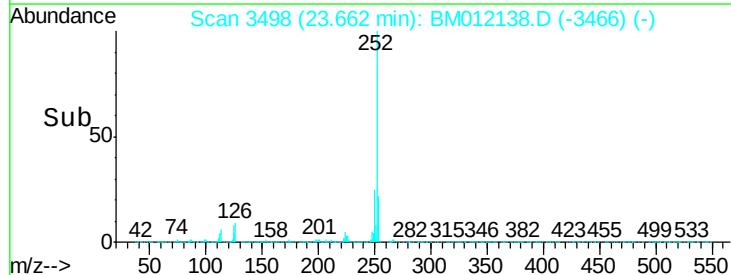
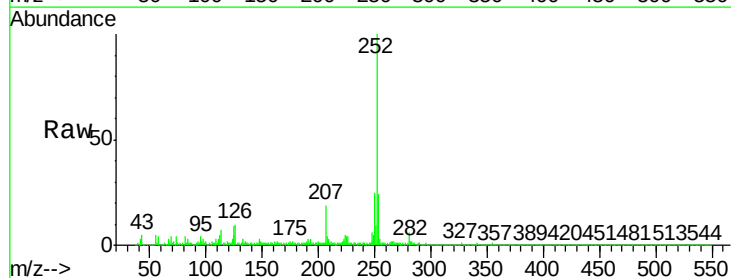
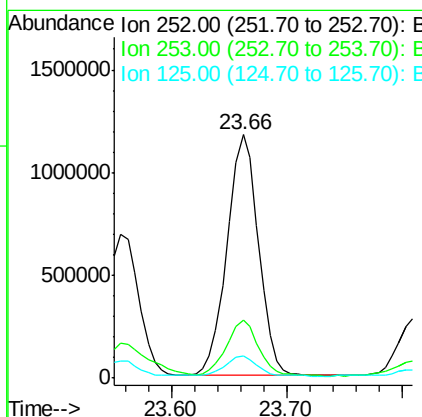
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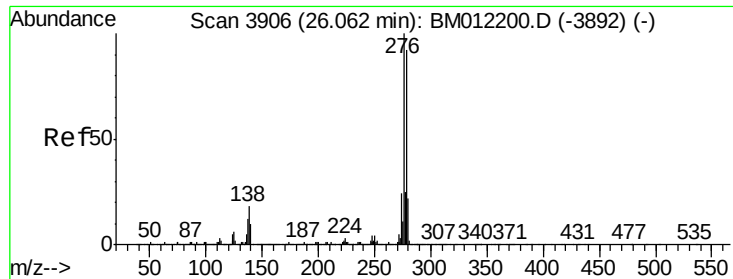
Sohil
10/15/2017 12:37:36 PM



#88
Benzo(a)pyrene
Concen: 33.88 ng/ul
RT: 23.66 min Scan# 3498
Delta R.T. -0.01 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	8.9	4.0	6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 17.42 ng/ul

RT: 26.16 min Scan# 3922

Delta R.T. -0.02 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Instrument :

BNA_M

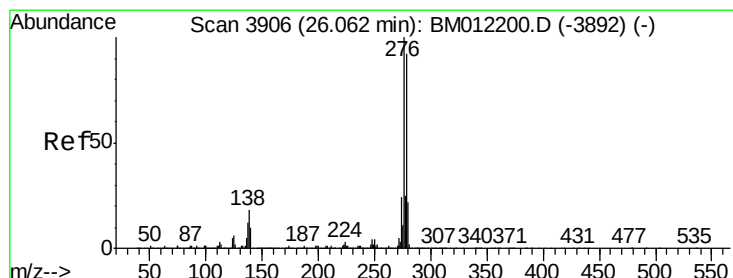
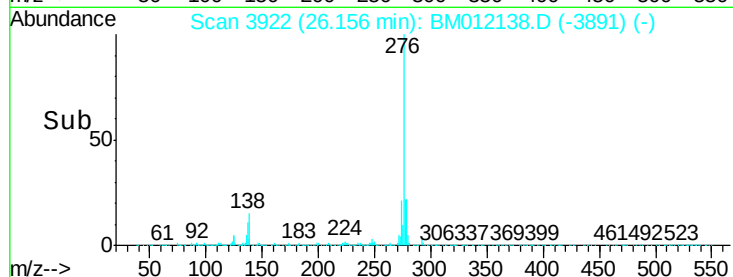
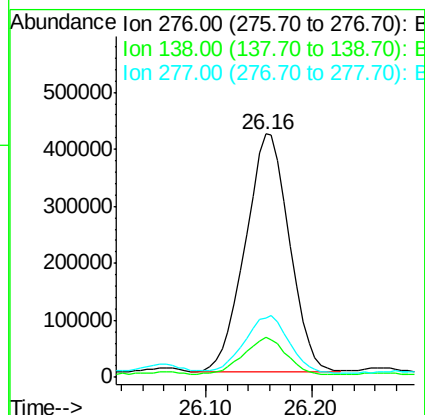
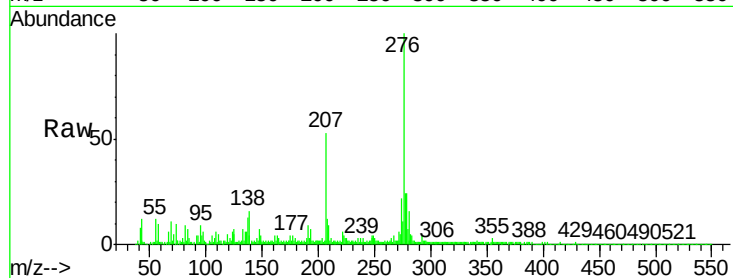
ClientSampleId :

B-54(1-2)-092817DL

Tgt Ion:	276	Resp:	1213810
Ion Ratio		Lower	Upper
276	100		
138	16.3	9.3	13.9#
277	24.3	19.9	29.9

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#90

Dibenzo(a,h)anthracene

Concen: 5.35 ng/ul

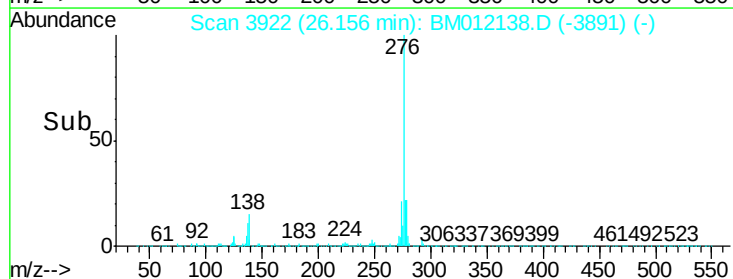
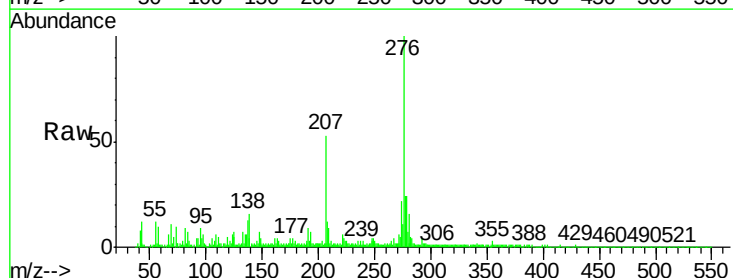
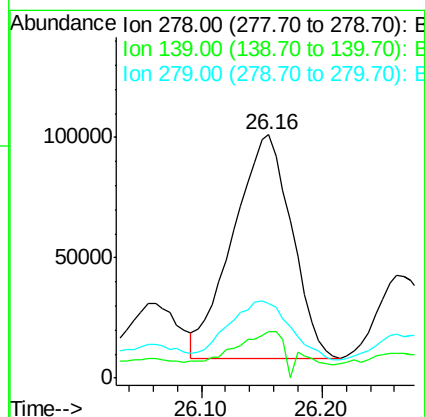
RT: 26.16 min Scan# 3922

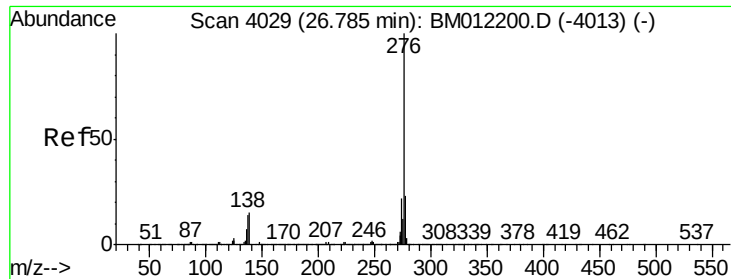
Delta R.T. -0.02 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Tgt Ion:	278	Resp:	313279
Ion Ratio		Lower	Upper
278	100		
139	18.8	5.8	8.8#
279	30.6	18.6	27.8#





#91
 Benzo(g,h,i)perylene
 Concen: 19.06 ng/ul
 RT: 26.90 min Scan# 4048
 Delta R.T. -0.02 min
 Lab File: BM012138.D
 Acq: 13 Oct 2017 15:45

Instrument :
 BNA_M
 ClientSampleId :
 B-54(1-2)-092817DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.8	8.5	12.7#
277	25.9	18.6	28.0

Manual Integrations
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Sohil
 10/15/2017 12:37:36 PM

