

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
 Data File : BM012125.D
 Acq On : 13 Oct 2017 07:04
 Operator : SJ/JU
 Sample : I5533-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-53(0-1)-092817

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:37:09 PM

Quant Time: Oct 14 23:56:56 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	222200	20.00	ng/ul	0.02
18) Naphthalene-d8	10.66	136	837765	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	453726	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.26	188	980782	20.00	ng/ul	0.03
75) Chrysene-d12	21.44	240	1455719	20.00	ng/ul	0.04
83) Perylene-d12	23.79	264	1553433m	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	27776	5.94	ng/uL	0.01
5) Phenol-d5	7.03	99	487315	27.03	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.17	67	332981	30.80	ng/ul	0.02
9) 2-Chlorophenol-d4	7.38	132	456329	29.84	ng/ul	0.02
13) 4-Methylphenol-d8	8.57	113	358750	23.11	ng/ul	0.03
19) Nitrobenzene-d5	9.02	128	214893	33.61	ng/ul	0.02
22) 2-Nitrophenol-d4	9.75	143	219698	29.41	ng/ul	0.03
26) 2,4-Dichlorophenol-d3	10.29	165	434554	30.47	ng/ul	0.03
29) 4-Chloroaniline-d4	10.80	131	289478	21.69	ng/ul	0.03
43) Dimethylphthalate-d6	13.91	166	1332355	33.22	ng/ul	0.02
46) Acenaphthylene-d8	14.20	160	1669139	34.38	ng/ul	0.02
51) 4-Nitrophenol-d4	14.74	143	131122	21.75	ng/ul	0.05
57) Fluorene-d10	15.50	176	1111108	33.76	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.66	200	33525	4.98	ng/ul	0.05
70) Anthracene-d10	17.36	188	1711100	35.28	ng/ul	0.04
76) Pyrene-d10	19.66	212	2096171	28.37	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.64	264	2525135m	33.72	ng/ul	0.07

Target Compounds

						Qvalue
6) Phenol	7.06	94	52472	2.82	ng/ul#	85
28) Naphthalene	10.71	128	60754	1.40	ng/ul	98
44) Dimethylphthalate	13.96	163	314618	7.83	ng/ul	98
47) Acenaphthylene	14.23	152	860237	18.05	ng/ul	99
49) Acenaphthene	14.57	153	112609	3.51	ng/ul	97
53) Dibenzofuran	14.90	168	54407	1.18	ng/ul	97
58) Fluorene	15.56	166	111040	2.89	ng/ul	96
69) Phenanthrene	17.30	178	2907227	52.11	ng/ul	99
71) Anthracene	17.39	178	882704	15.28	ng/ul	98
72) Carbazole	17.66	167	225168	4.61	ng/ul	97
74) Fluoranthene	19.32	202	9316691	138.37	ng/ul#	90
77) Pyrene	19.69	202	10063205	104.67	ng/ul#	88
80) Benzo(a)anthracene	21.43	228	7360270	77.70	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.32	149	503259	7.84	ng/ul#	95
82) Chrysene	21.48	228	6922689	77.84	ng/ul	94
85) Benzo(b)fluoranthene	23.09	252	9127337	90.04	ng/ul#	96
86) Benzo(k)fluoranthene	23.12	252	3497936m	35.81	ng/ul	
88) Benzo(a)pyrene	23.69	252	6552567m	68.58	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.21	276	4628556m	45.62	ng/ul	
90) Dibenzo(a,h)anthracene	26.20	278	1288003m	15.10	ng/ul	
91) Benzo(g,h,i)perylene	26.96	276	4128851m	49.68	ng/ul	

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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

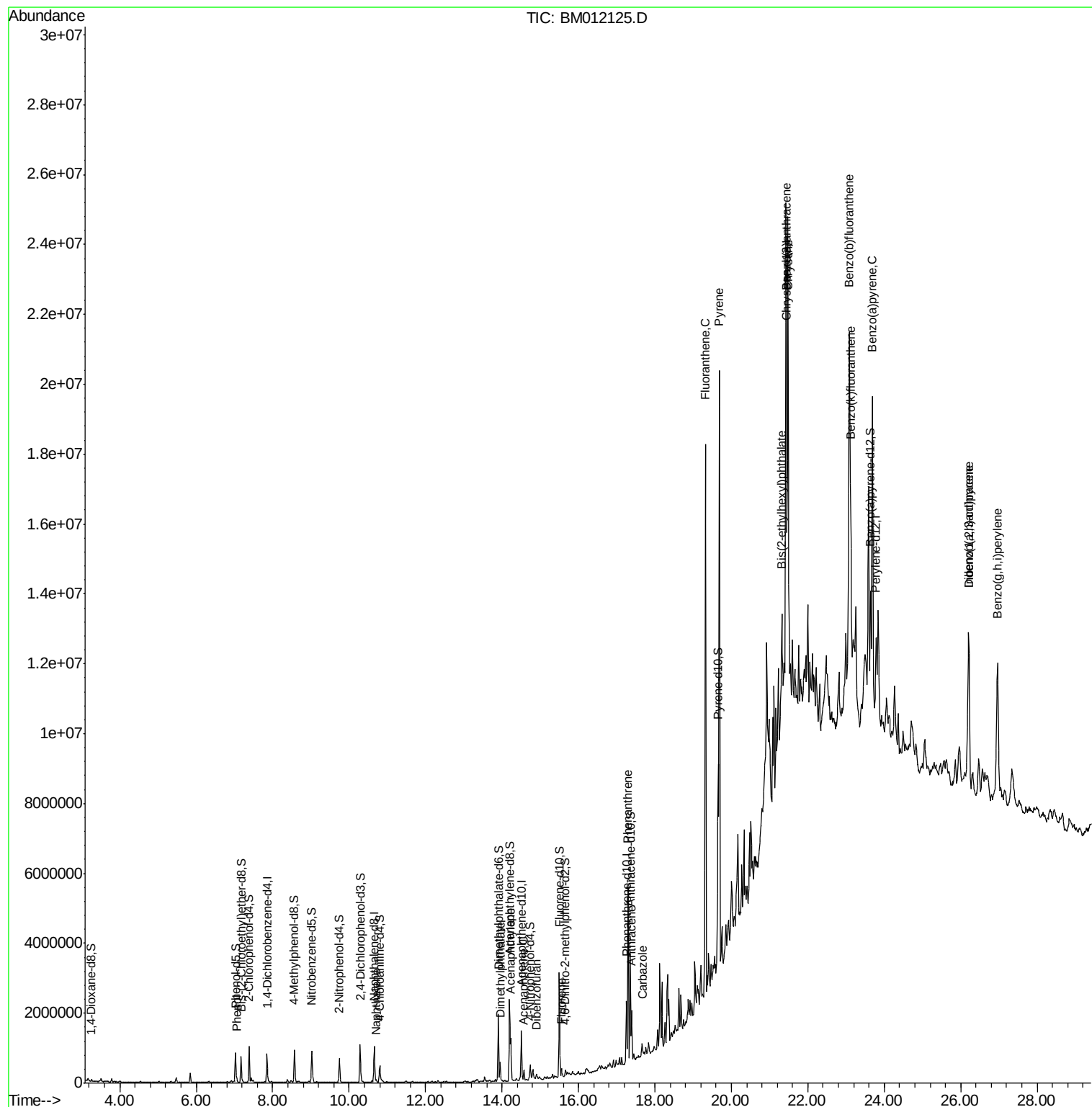
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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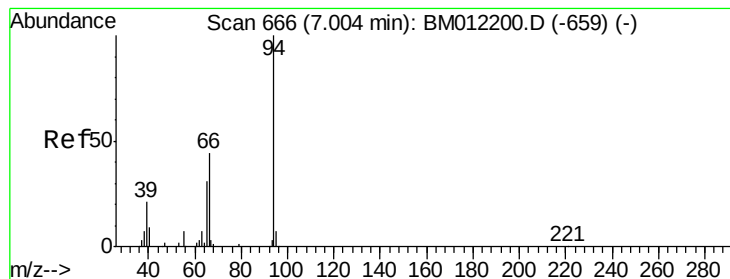
Instrument :
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#6

Phenol

Concen: 2.82 ng/ul

RT: 7.06 min Scan# 675

Delta R.T. 0.04 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Instrument :

BNA_M

ClientSampleId :

B-53(0-1)-092817

Tgt Ion: 94 Resp: 52472

Ion Ratio Lower Upper

94 100

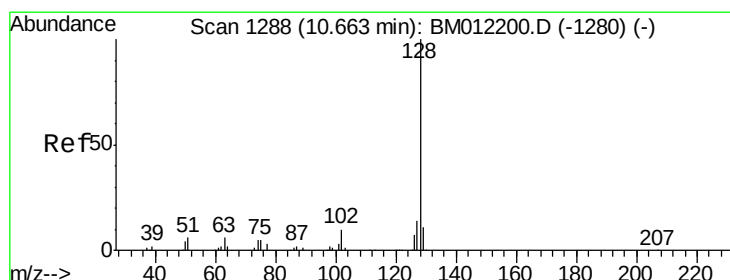
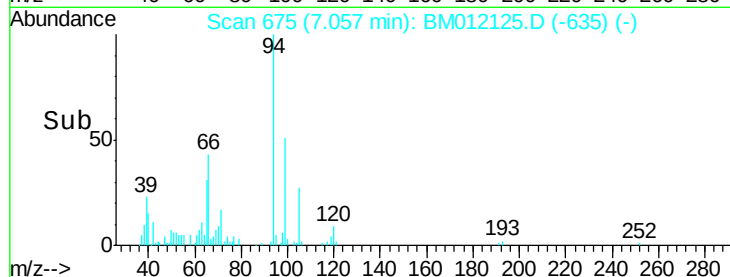
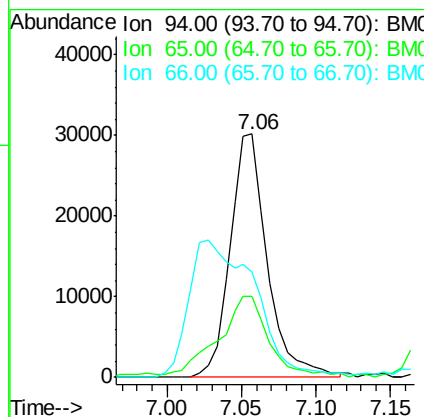
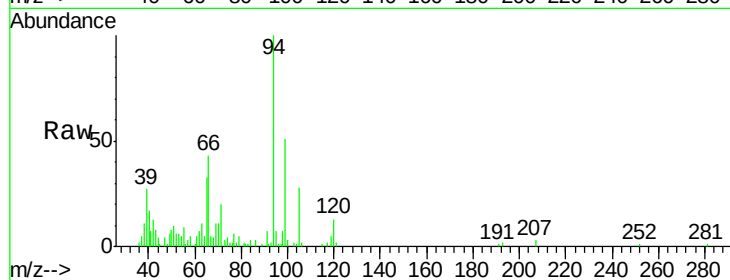
65 33.1 28.2 42.4

66 43.1 47.2 70.8#

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#28

Naphthalene

Concen: 1.40 ng/ul

RT: 10.71 min Scan# 1296

Delta R.T. 0.03 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

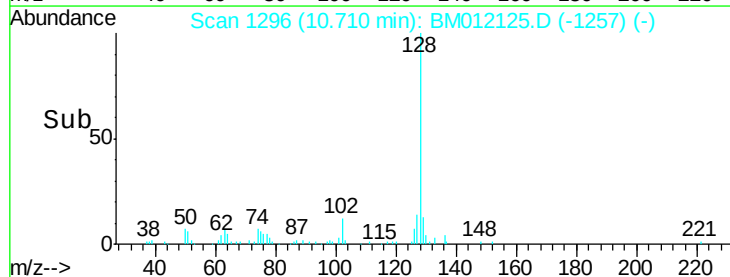
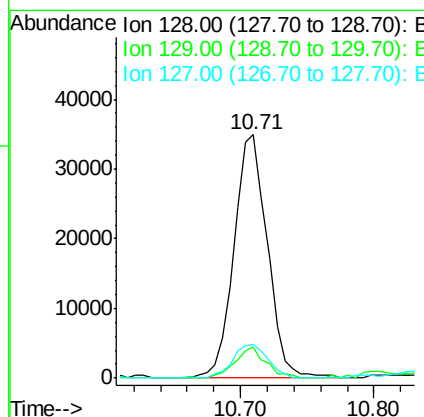
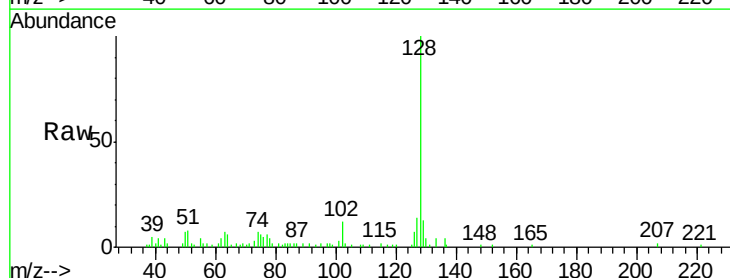
Tgt Ion: 128 Resp: 60754

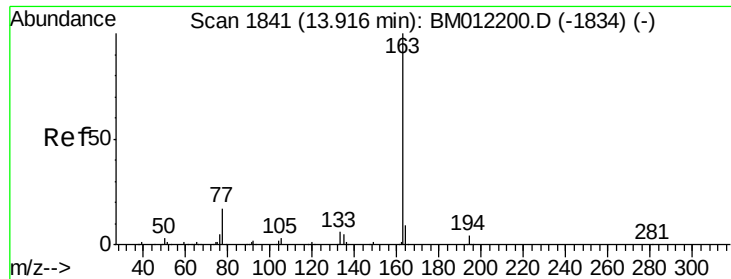
Ion Ratio Lower Upper

128 100

129 12.5 8.8 13.2

127 13.6 10.6 16.0





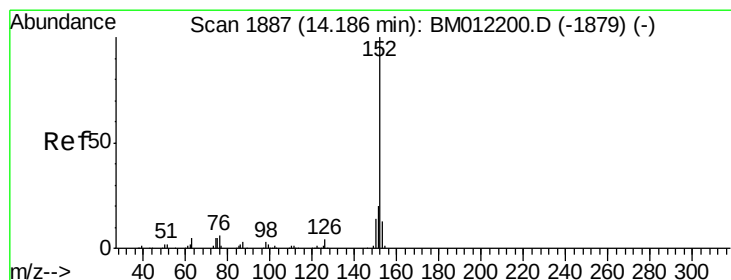
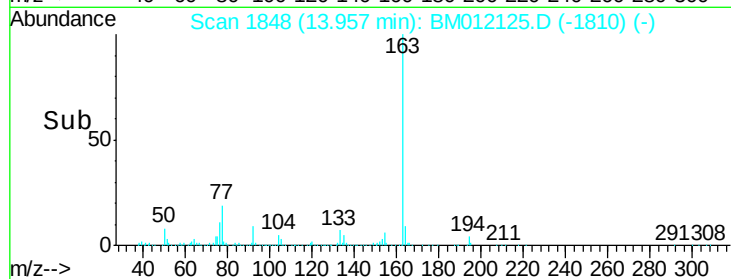
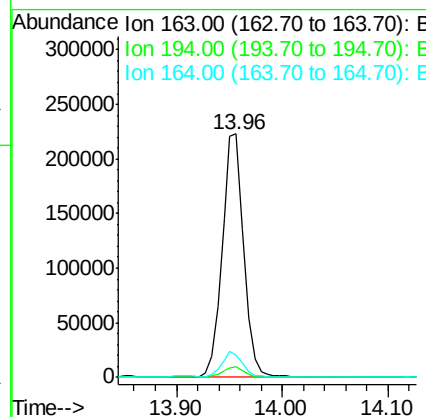
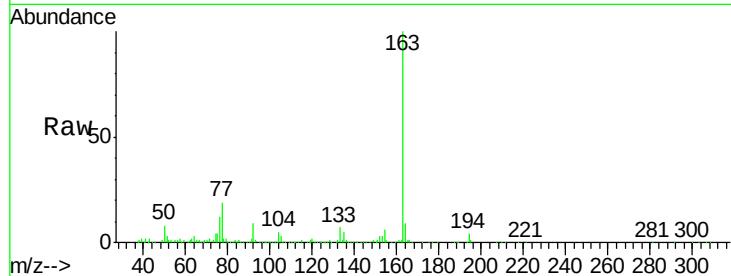
#44
Dimethylphthalate
Concen: 7.83 ng/ul
RT: 13.96 min Scan# 1848
Delta R.T. 0.02 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	314618		
194	4.2	3.5	5.3	
164	9.4	8.2	12.4	

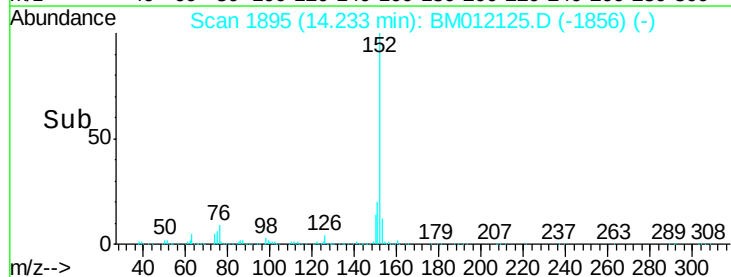
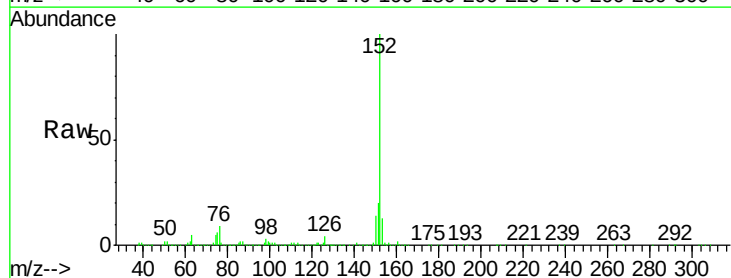
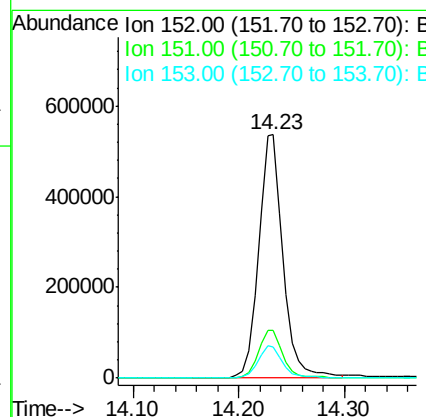
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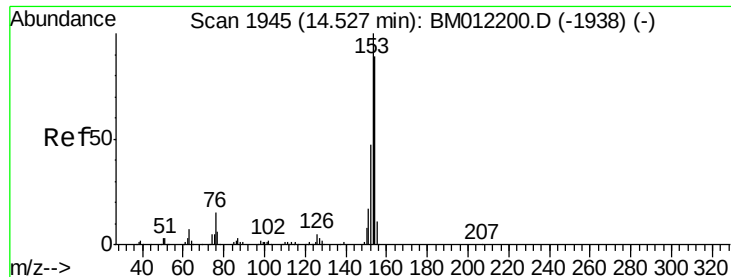
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#47
Acenaphthylene
Concen: 18.05 ng/ul
RT: 14.23 min Scan# 1895
Delta R.T. 0.03 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	860237		
151	19.8	16.3	24.5	
153	12.5	10.2	15.4	





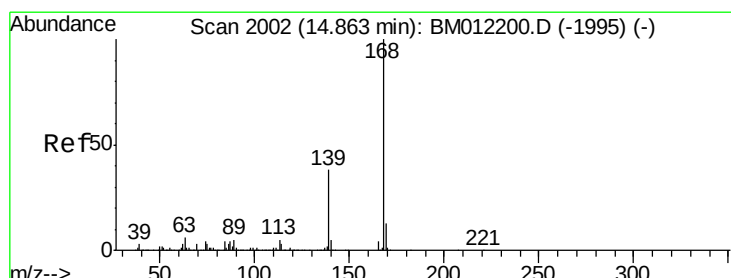
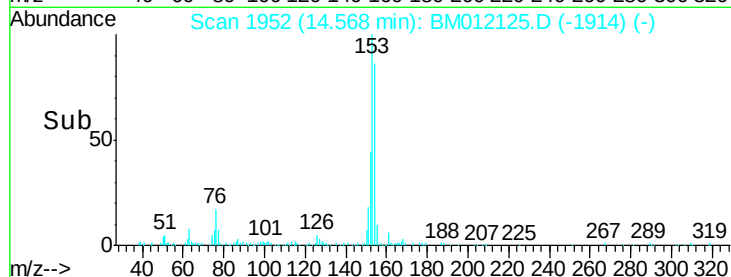
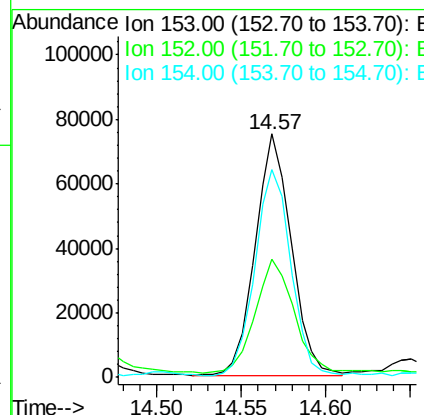
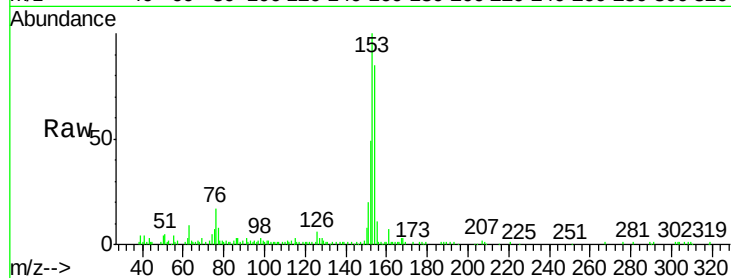
#49
Acenaphthene
Concen: 3.51 ng/ul
RT: 14.57 min Scan# 1952
Delta R.T. 0.02 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Instrument :
BNA_M
ClientSampleId :
B-53(0-1)-092817

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.7	37.6	56.4
154	85.4	70.4	105.6

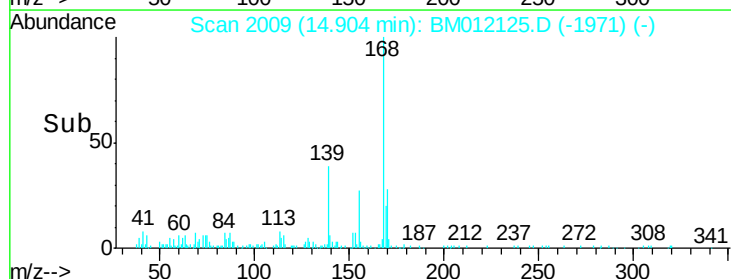
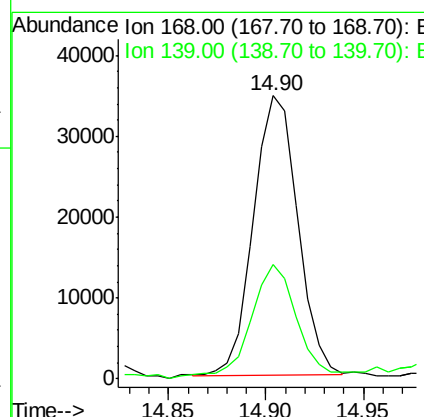
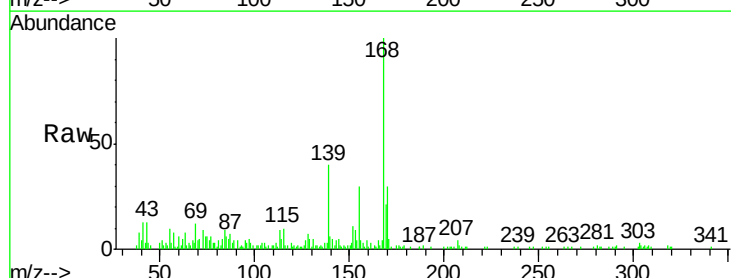
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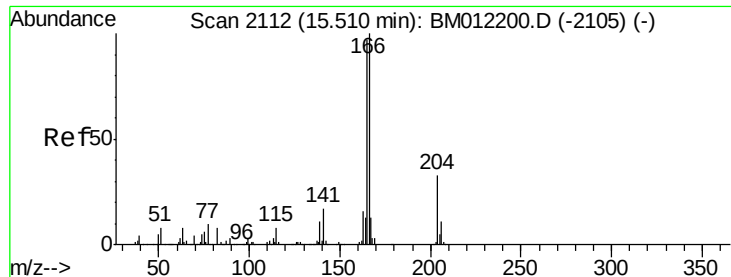
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#53
Dibenzofuran
Concen: 1.18 ng/ul
RT: 14.90 min Scan# 2009
Delta R.T. 0.02 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.3	30.8	46.2





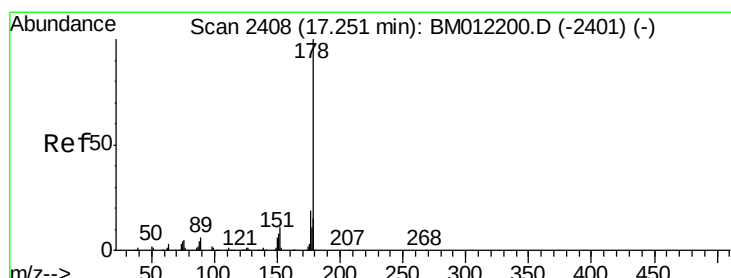
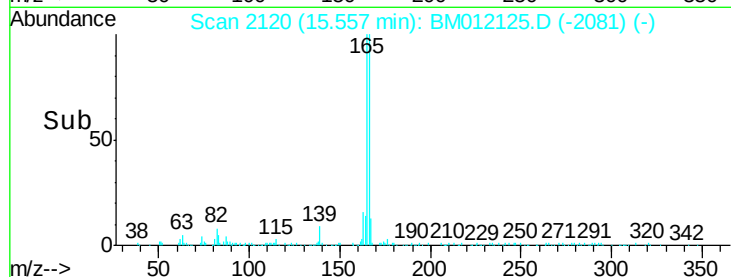
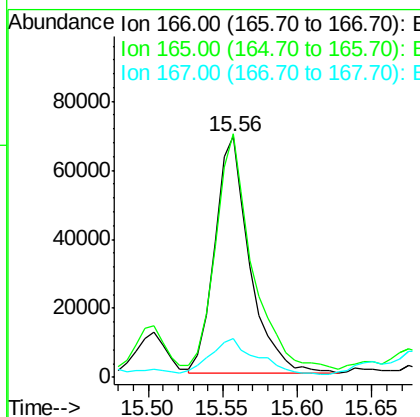
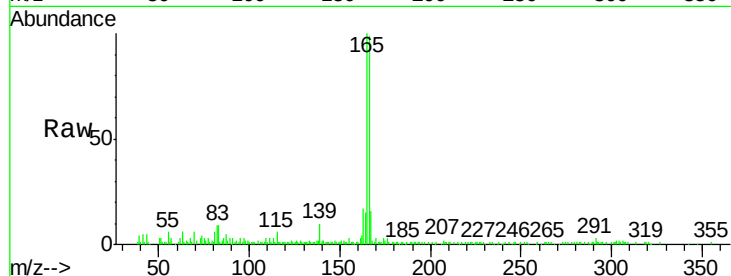
#58
 Fluorene
 Concen: 2.89 ng/ul
 RT: 15.56 min Scan# 2120
 Delta R.T. 0.03 min
 Lab File: BM012125.D
 Acq: 13 Oct 2017 07:04

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	111040		
165	101.2	77.9	116.9	
167	15.9	10.6	16.0	

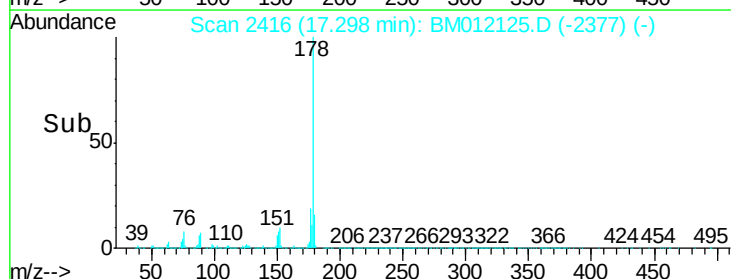
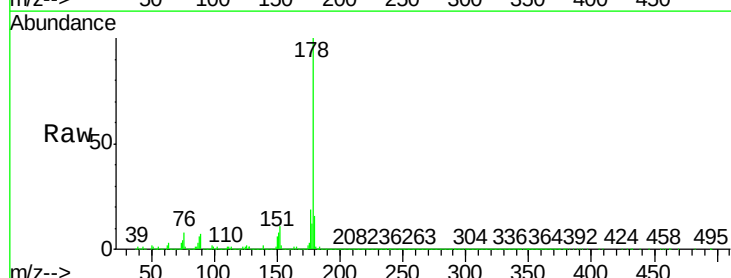
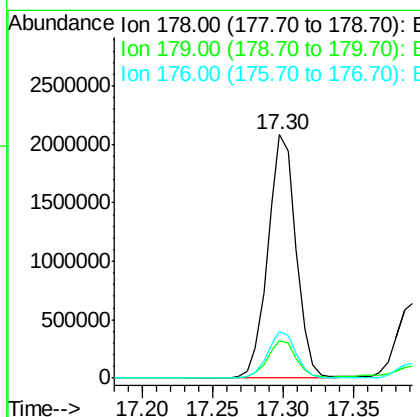
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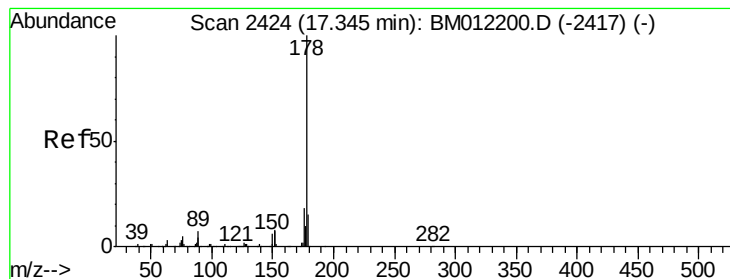
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#69
 Phenanthrene
 Concen: 52.11 ng/ul
 RT: 17.30 min Scan# 2416
 Delta R.T. 0.03 min
 Lab File: BM012125.D
 Acq: 13 Oct 2017 07:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2907227		
179	15.7	12.6	19.0	
176	19.2	14.9	22.3	





#71

Anthracene

Concen: 15.28 ng/ul

RT: 17.39 min Scan# 2432

Delta R.T. 0.04 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Instrument :

BNA_M

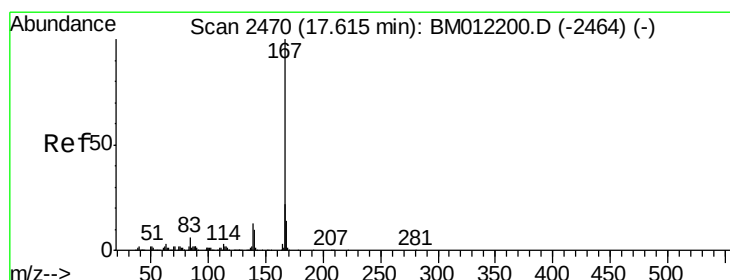
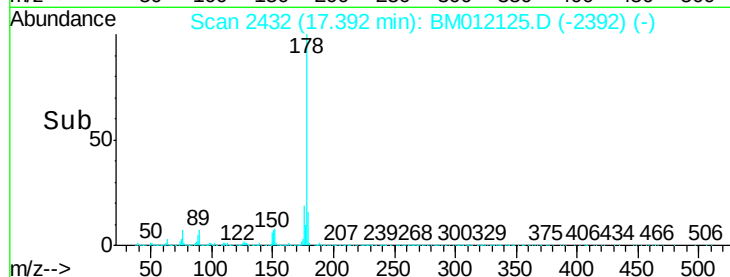
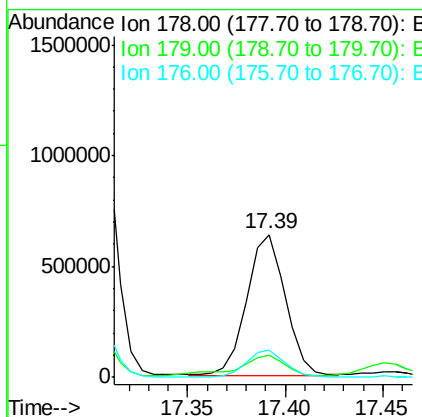
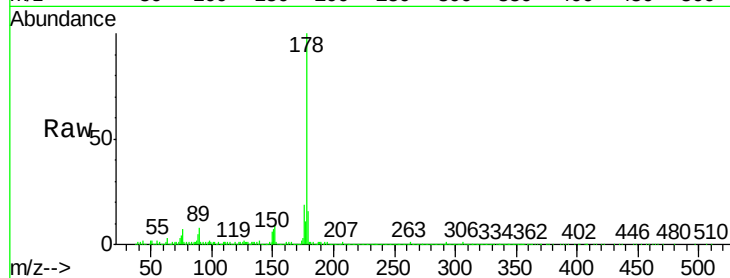
ClientSampleId :

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Tgt Ion:	178	Resp:	882704
Ion Ratio	Lower	Upper	
178	100		
179	16.0	11.7	17.5
176	18.9	14.6	21.8

Manual Integrations
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#72

Carbazole

Concen: 4.61 ng/ul

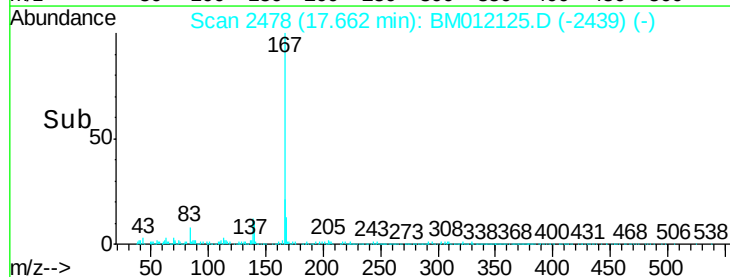
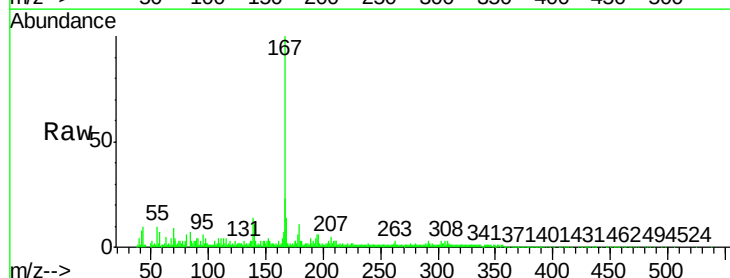
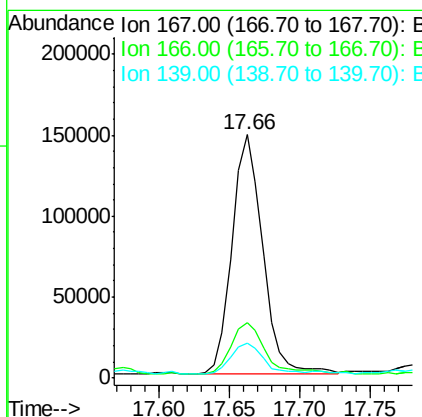
RT: 17.66 min Scan# 2478

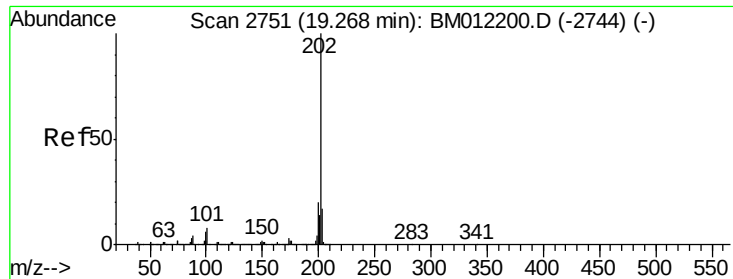
Delta R.T. 0.03 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Tgt Ion:	167	Resp:	225168
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.1	25.7
139	14.4	10.0	15.0





#74

Fluoranthene

Concen: 138.37 ng/ul

RT: 19.32 min Scan# 2760

Delta R.T. 0.04 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Instrument :

BNA_M

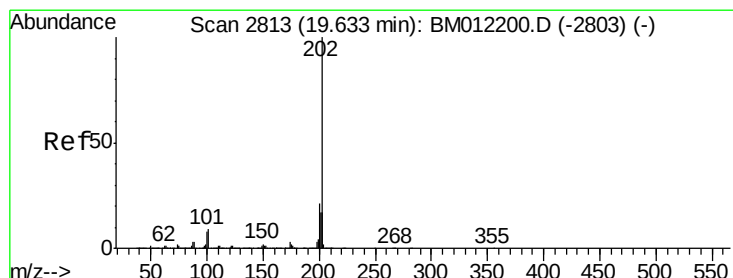
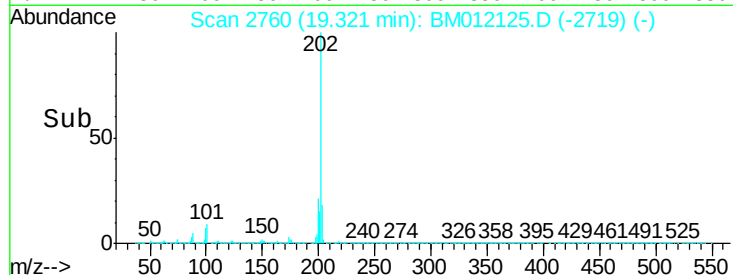
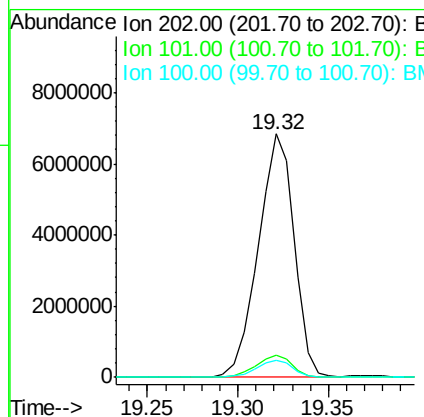
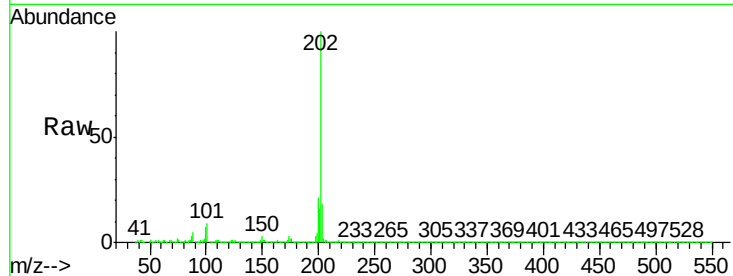
ClientSampleId :

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Tgt Ion:	202	Resp:	9316691
Ion Ratio	Lower	Upper	
202	100		
101	9.3	4.6	7.0#
100	7.2	3.4	5.2#

Manual Integrations
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#77

Pyrene

Concen: 104.67 ng/ul

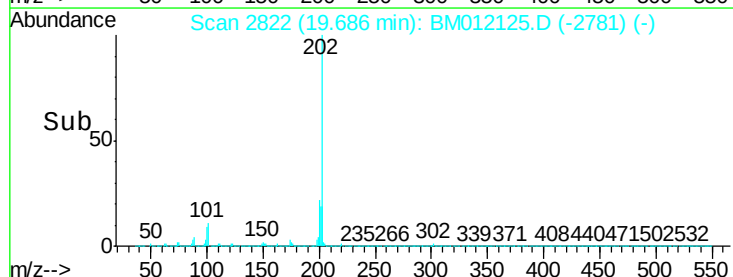
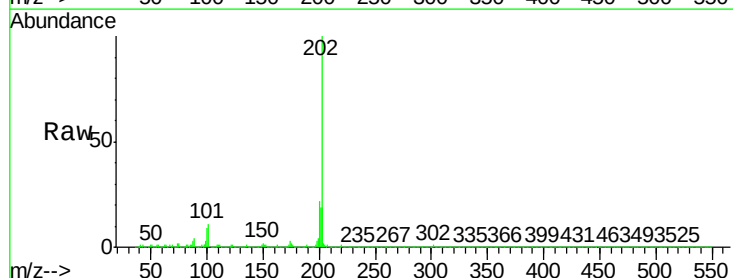
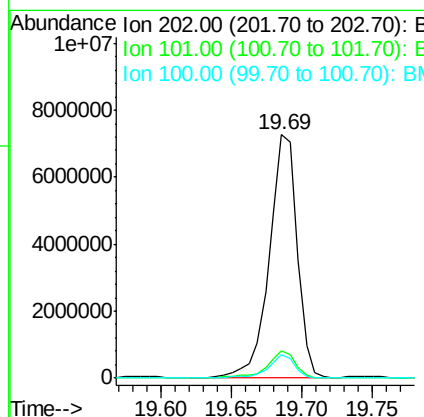
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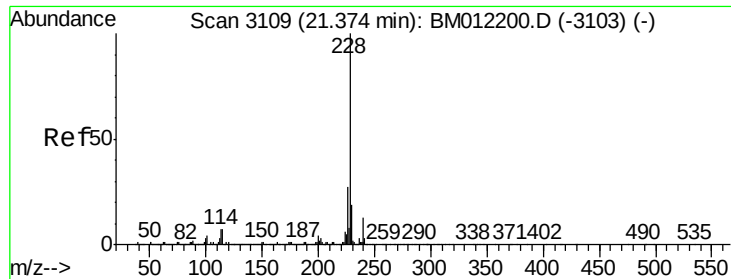
Delta R.T. 0.04 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Tgt Ion:	202	Resp:	10063205
Ion Ratio	Lower	Upper	
202	100		
101	11.2	5.1	7.7#
100	9.5	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 77.70 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. 0.04 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Instrument :

BNA_M

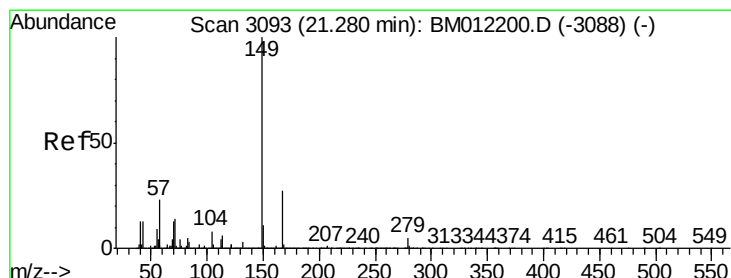
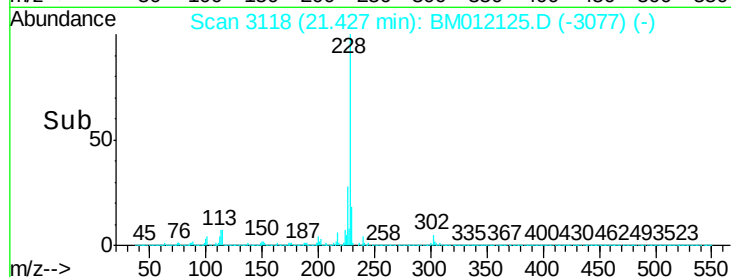
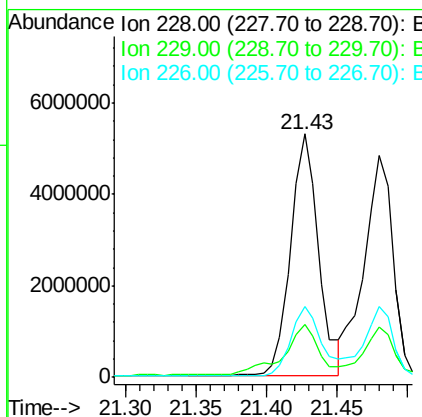
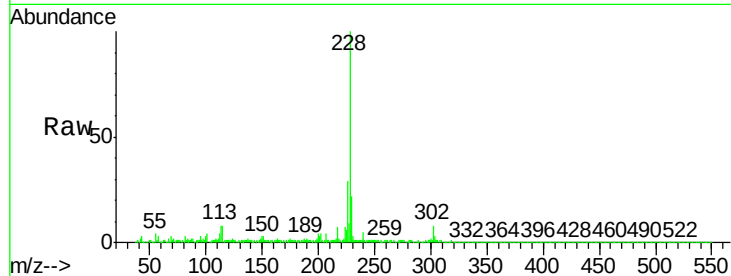
ClientSampleId :

B-53(0-1)-092817

Tgt Ion:	228	Resp:	7360270
Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.4	23.0
226	29.1	21.4	32.0

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#81

Bis(2-ethylhexyl)phthalate

Concen: 7.84 ng/ul

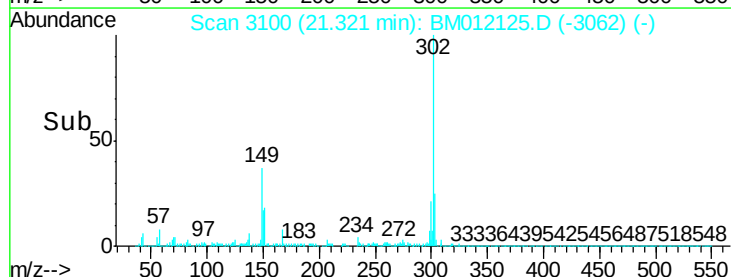
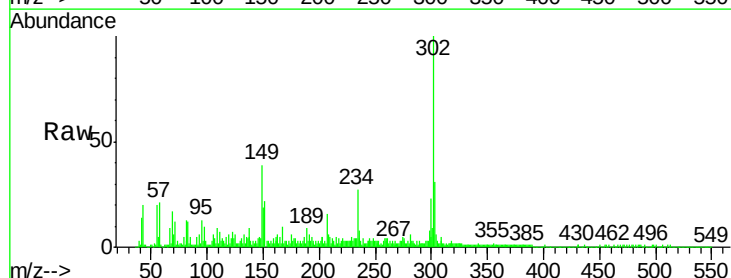
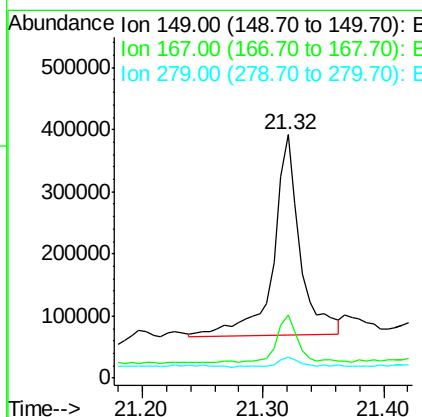
RT: 21.32 min Scan# 3100

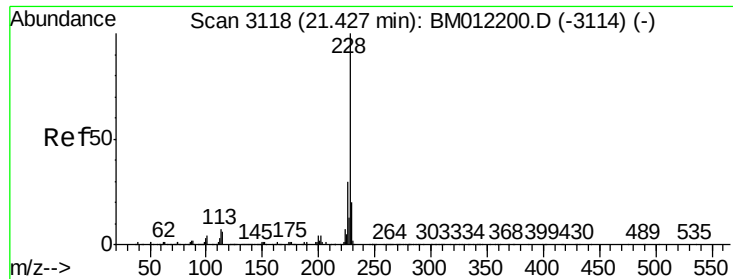
Delta R.T. 0.02 min

Lab File: BM012125.D

Acq: 13 Oct 2017 07:04

Tgt Ion:	149	Resp:	503259
Ion	Ratio	Lower	Upper
149	100		
167	26.0	22.8	34.2
279	8.4	4.9	7.3#





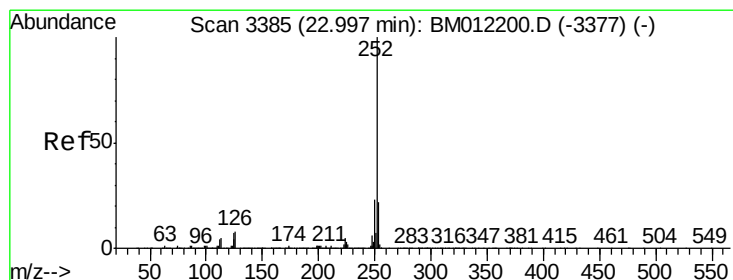
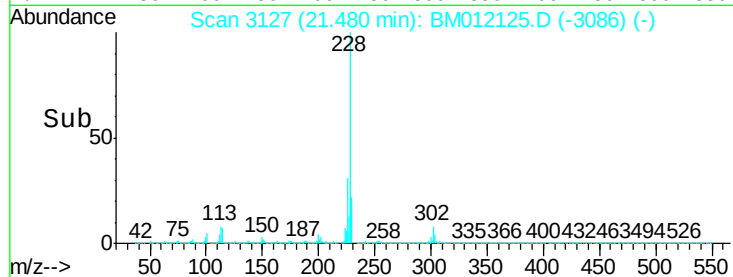
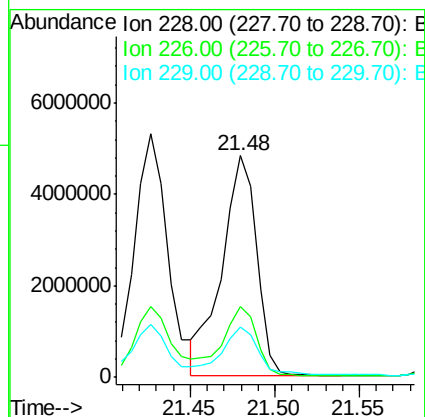
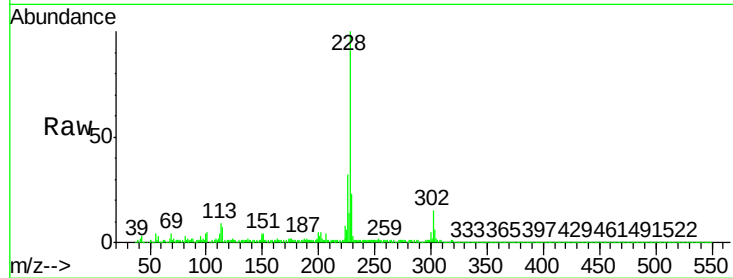
#82
Chrysene
Concen: 77.84 ng/ul
RT: 21.48 min Scan# 3127
Delta R.T. 0.04 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Instrument :
BNA_M
ClientSampleId :
B-53(0-1)-092817

Tgt Ion:228 Resp: 6922689
Ion Ratio Lower Upper
228 100
226 31.8 23.4 35.2
229 22.9 15.5 23.3

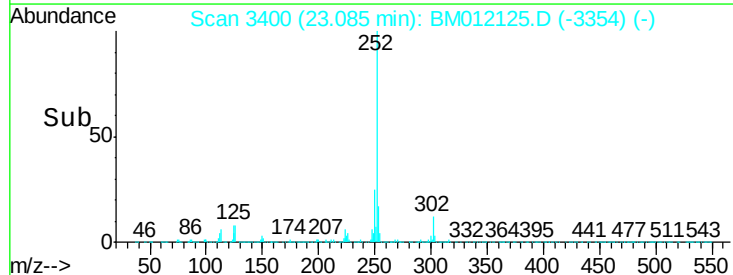
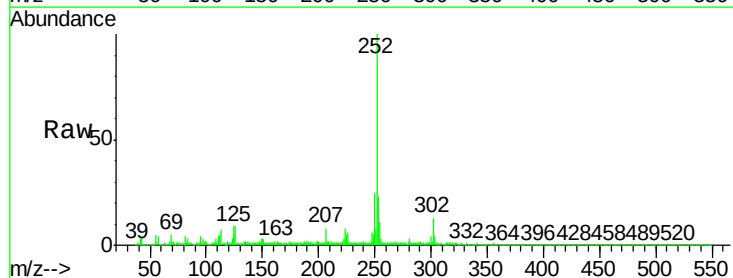
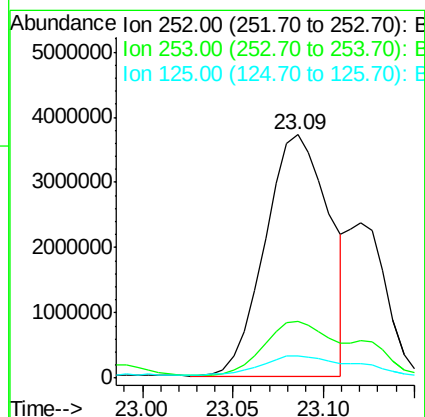
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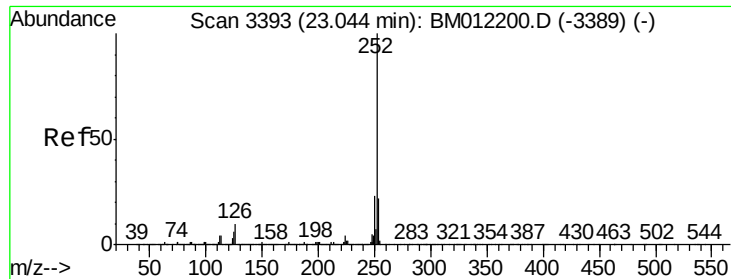
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#85
Benzo(b)fluoranthene
Concen: 90.04 ng/ul
RT: 23.09 min Scan# 3400
Delta R.T. 0.07 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Tgt Ion:252 Resp: 9127337
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 9.0 3.6 5.4#





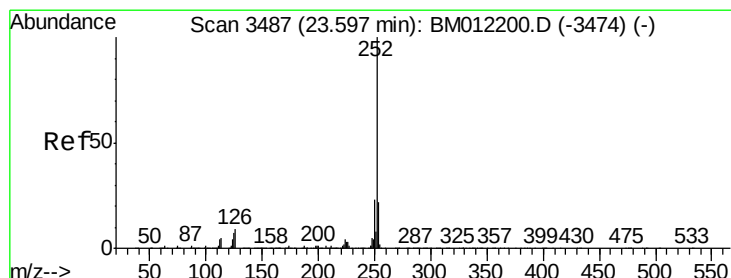
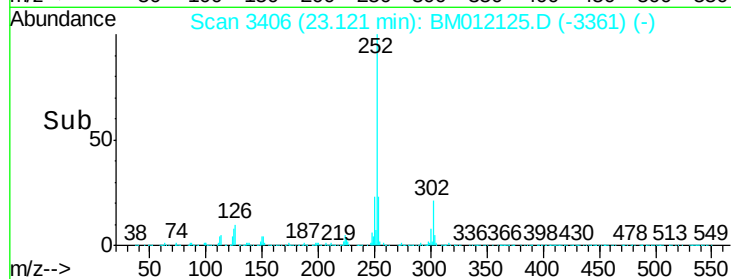
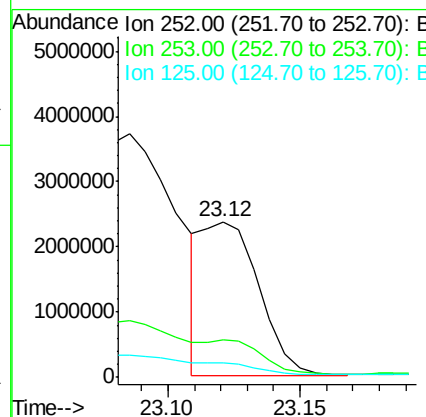
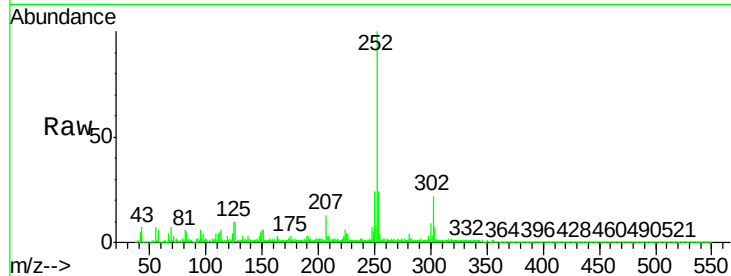
#86
Benzo(k)fluoranthene
Concen: 35.81 ng/ul m
RT: 23.12 min Scan# 3406
Delta R.T. 0.06 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Instrument :
BNA_M
ClientSampleId :
B-53(0-1)-092817

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	9.6	3.4	5.2#

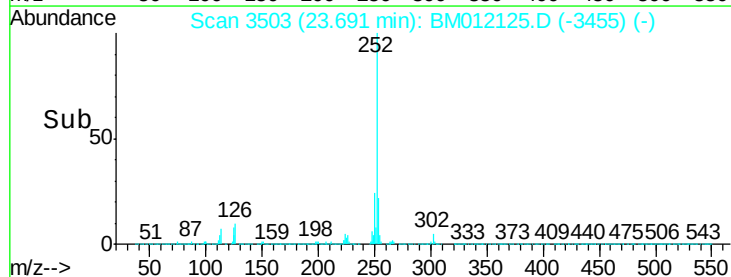
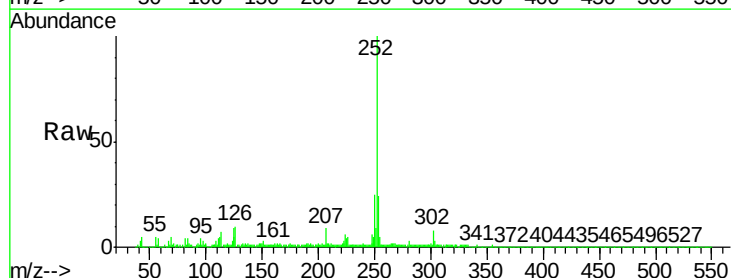
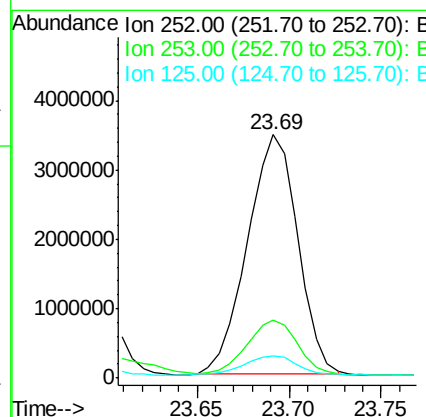
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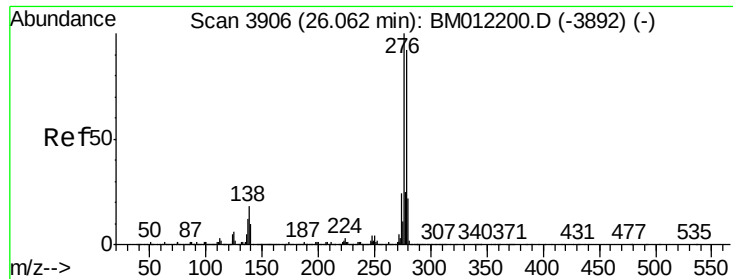
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#88
Benzo(a)pyrene
Concen: 68.58 ng/ul m
RT: 23.69 min Scan# 3503
Delta R.T. 0.08 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	9.1	4.0	6.0#





#89

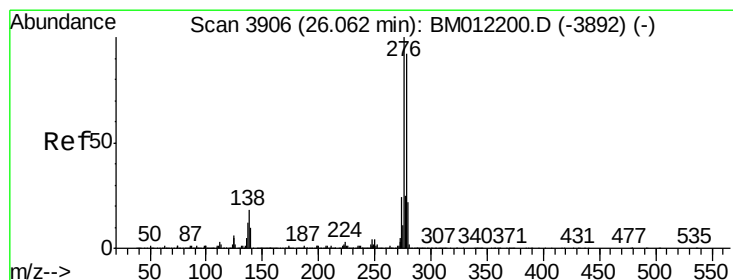
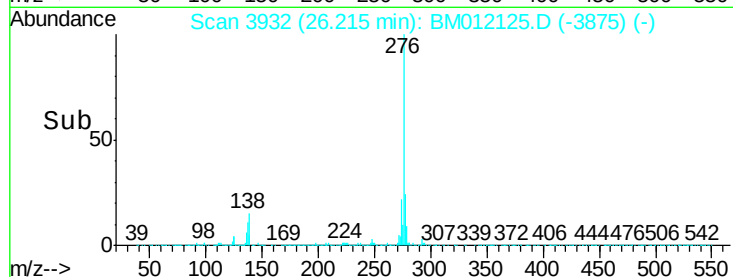
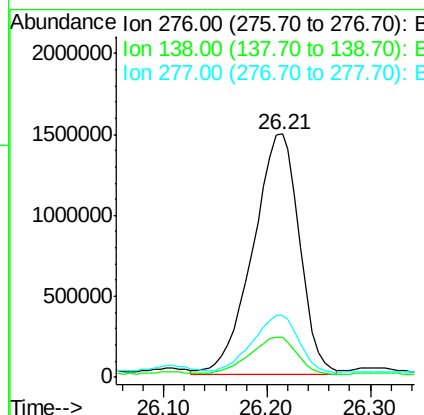
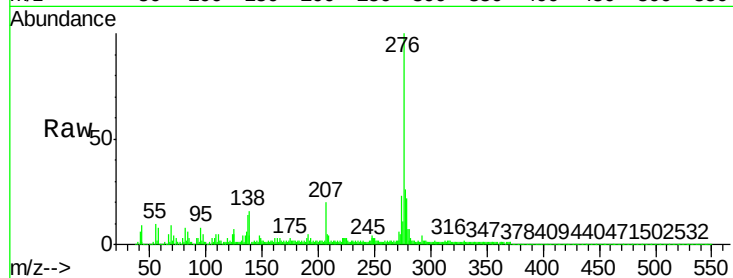
Indeno(1,2,3-cd)pyrene
Concen: 45.62 ng/ul m
RT: 26.21 min Scan# 3932
Delta R.T. 0.14 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Instrument :
BNA_M
ClientSampleId :
B-53(0-1)-092817

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	9.3	13.9#
277	25.6	19.9	29.9

Manual Integrations
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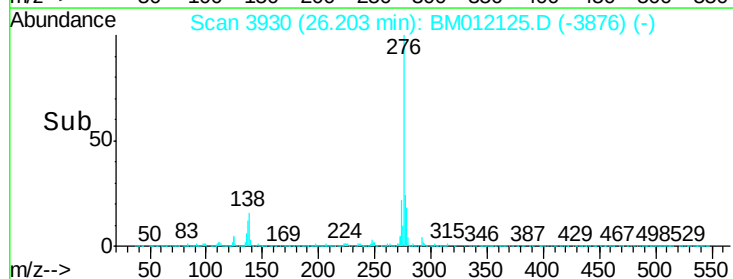
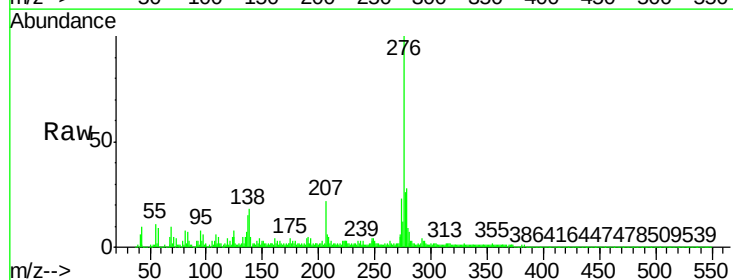
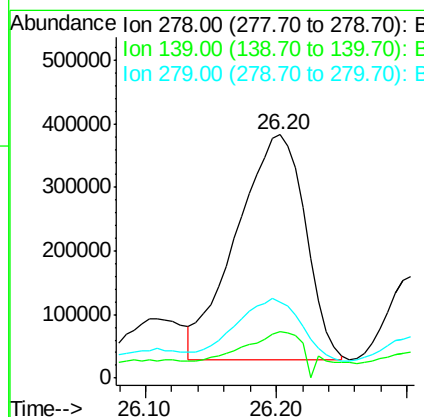
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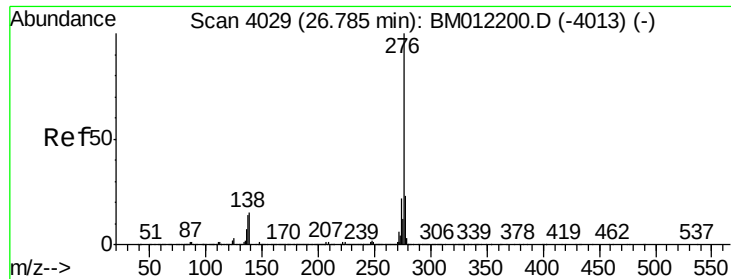


#90

Dibenzo(a,h)anthracene
Concen: 15.10 ng/ul m
RT: 26.20 min Scan# 3930
Delta R.T. 0.12 min
Lab File: BM012125.D
Acq: 13 Oct 2017 07:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.2	5.8	8.8#
279	31.0	18.6	27.8#





#91
 Benzo(g,h,i)perylene
 Concen: 49.68 ng/ul m
 RT: 26.96 min Scan# 4059
 Delta R.T. 0.15 min
 Lab File: BM012125.D
 Acq: 13 Oct 2017 07:04

Instrument :
 BNA_M
 ClientSampleId :
 B-53(0-1)-092817

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.0	8.5	12.7#
277	26.0	18.6	28.0

Manual Integrations
 APPROVED

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