

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
 Data File : BM012120.D
 Acq On : 13 Oct 2017 04:04
 Operator : SJ/JU
 Sample : I5533-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-56(1-2)-092717

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:37:01 PM

Quant Time: Oct 13 06:32:06 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	7.84	152	412244	20.00	ng/ul	0.01
18) Naphthalene-d8	10.65	136	1697463	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.50	164	895930	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.24	188	1669967	20.00	ng/ul	0.02
75) Chrysene-d12	21.43	240	1928719	20.00	ng/ul	0.02
83) Perylene-d12	23.77	264	2132436	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	37249m	4.29	ng/uL	0.00
5) Phenol-d5	7.01	99	800931	23.95	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.17	67	471279	23.49	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	690559	24.34	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	683136	23.72	ng/ul	0.02
19) Nitrobenzene-d5	9.01	128	332805	25.69	ng/ul	0.01
22) 2-Nitrophenol-d4	9.73	143	364631	24.09	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.27	165	722465	25.00	ng/ul	0.02
29) 4-Chloroaniline-d4	10.79	131	343495m	12.70	ng/ul	0.02
43) Dimethylphthalate-d6	13.90	166	2132485	26.93	ng/ul	0.01
46) Acenaphthylene-d8	14.19	160	2547355	26.58	ng/ul	0.02
51) 4-Nitrophenol-d4	14.72	143	216693	18.20	ng/ul	0.03
57) Fluorene-d10	15.49	176	1660816	25.55	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.63	200	57738	5.04	ng/ul	0.03
70) Anthracene-d10	17.34	188	2301796	27.88	ng/ul	0.02
76) Pyrene-d10	19.64	212	2405260	24.57	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.62	264	2836124	27.59	ng/ul	0.05

Target Compounds

						Qvalue
6) Phenol	7.04	94	77981	2.26	ng/ul	90
14) Acetophenone	8.67	105	60457	1.38	ng/ul	95
28) Naphthalene	10.70	128	381247	4.34	ng/ul	100
34) 2-Methylnaphthalene	12.31	142	118226	1.78	ng/ul	98
44) Dimethylphthalate	13.94	163	492612	6.21	ng/ul	99
69) Phenanthrene	17.29	178	1030502	10.85	ng/ul	99
71) Anthracene	17.37	178	284996	2.90	ng/ul	96
74) Fluoranthene	19.30	202	2134637	18.62	ng/ul#	92
77) Pyrene	19.67	202	1978785	15.54	ng/ul#	91
80) Benzo(a)anthracene	21.41	228	1203459	9.59	ng/ul#	90
81) Bis(2-ethylhexyl)phthalate	21.32	149	327080	3.84	ng/ul#	88
82) Chrysene	21.46	228	1342884	11.40	ng/ul#	90
85) Benzo(b)fluoranthene	23.06	252	1934854	13.90	ng/ul#	82
86) Benzo(k)fluoranthene	23.10	252	533986m	3.98	ng/ul	
88) Benzo(a)pyrene	23.67	252	1299770	9.91	ng/ul#	83
89) Indeno(1,2,3-cd)pyrene	26.18	276	925628	6.65	ng/ul#	85
91) Benzo(g,h,i)perylene	26.93	276	974913	8.55	ng/ul#	80

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

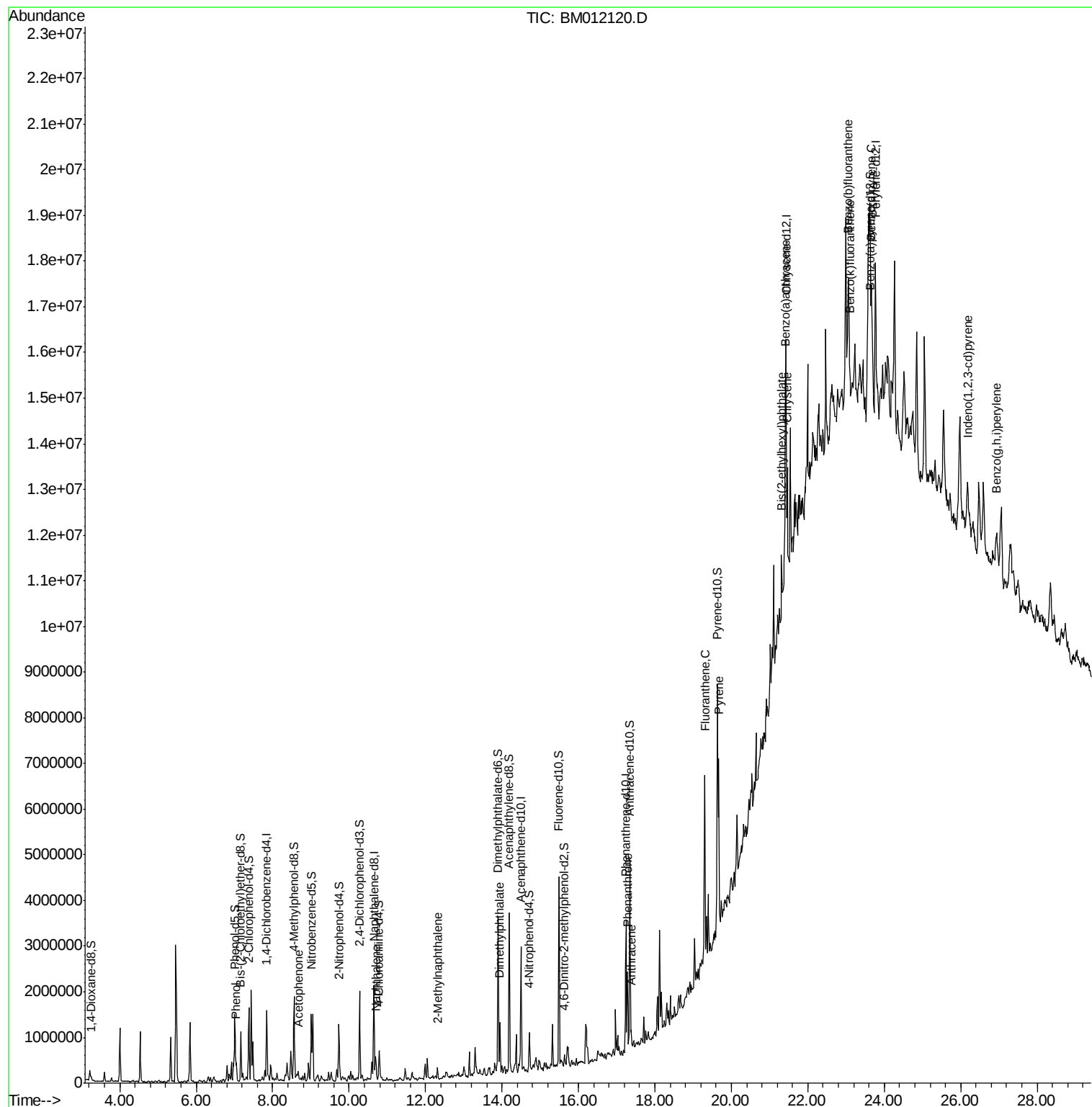
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012120.D
Acq On : 13 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

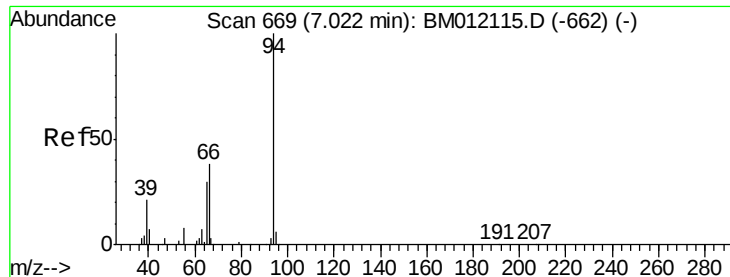
Instrument :
BNA_M
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B-56(1-2)-092717

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Quant Time: Oct 13 06:32:06 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





#6

Phenol

Concen: 2.26 ng/ul

RT: 7.04 min Scan# 672

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

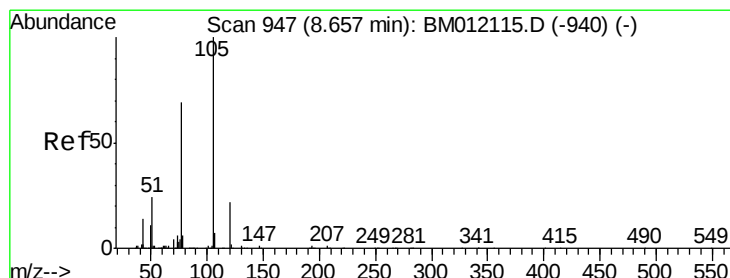
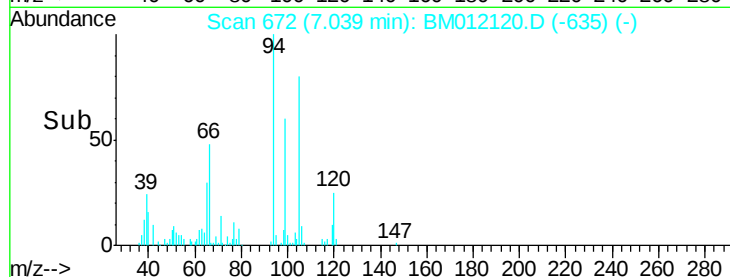
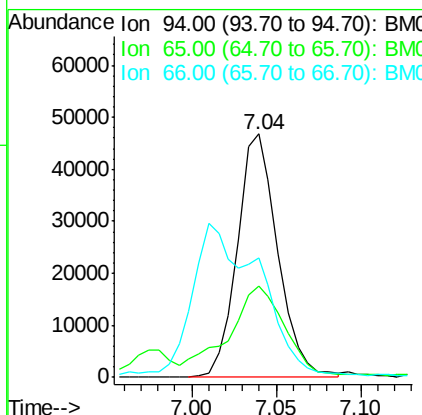
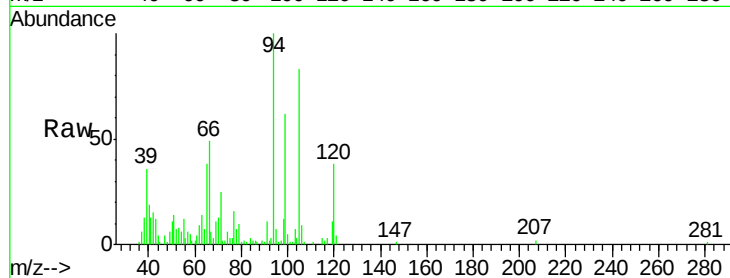
ClientSampleId :

B-56(1-2)-092717

Tgt Ion:	94	Resp:	77981
Ion Ratio	Lower	Upper	
94	100		
65	37.7	28.2	42.4
66	48.9	47.2	70.8

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#14

Acetophenone

Concen: 1.38 ng/ul

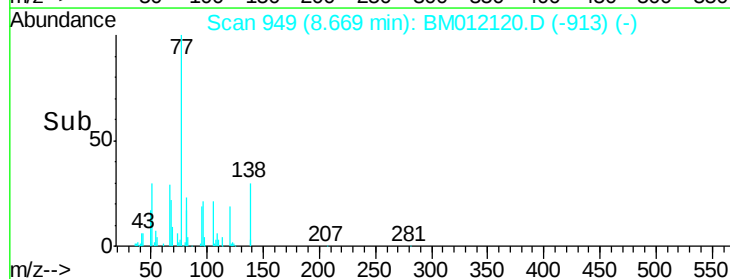
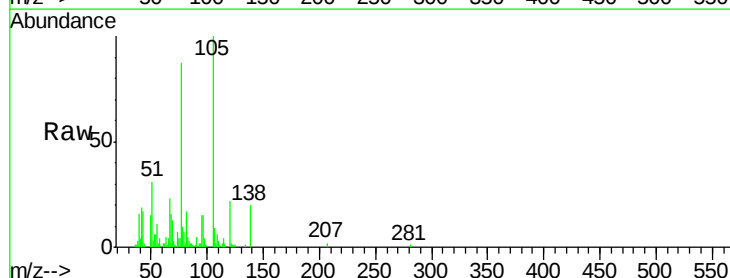
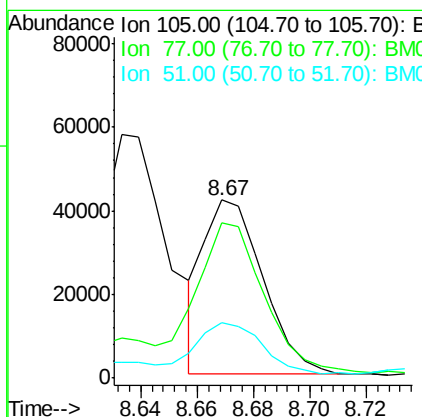
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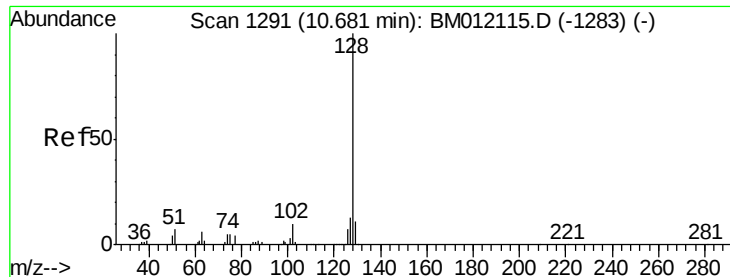
Delta R.T. 0.01 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Tgt Ion:	105	Resp:	60457
Ion Ratio	Lower	Upper	
105	100		
77	87.2	74.2	111.4
51	30.9	23.4	35.2





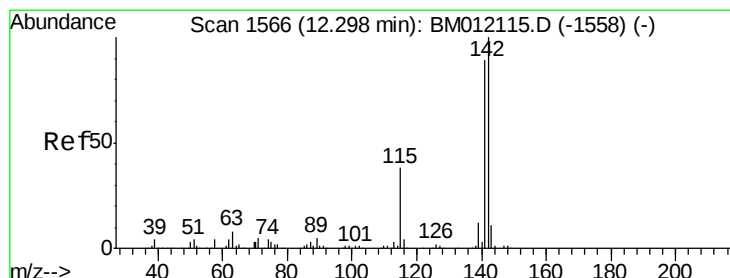
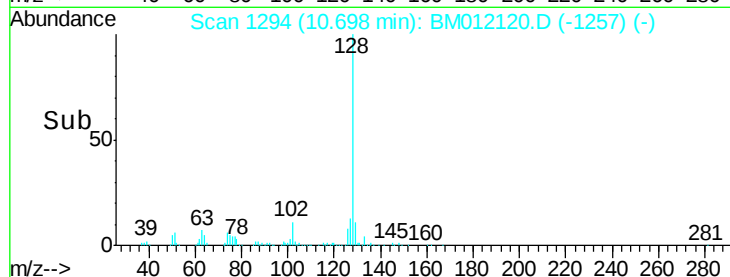
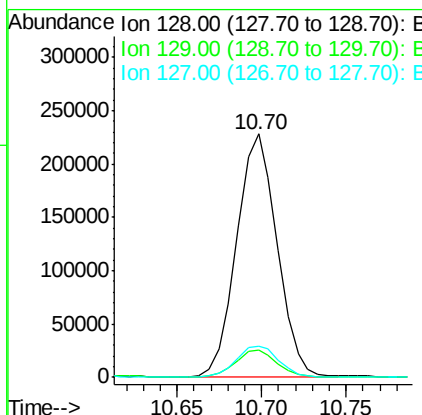
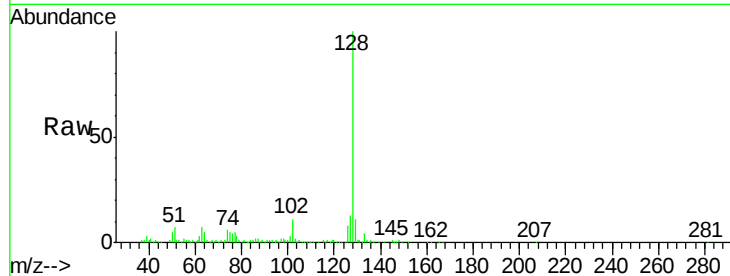
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Naphthalene
Concen: 4.34 ng/ul
RT: 10.70 min Scan# 1294
Delta R.T. 0.02 min
Lab File: BM012120.D
Acq: 13 Oct 2017 04:04

Instrument :
BNA_M
ClientSampleId :
B-56(1-2)-092717

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.6	16.0

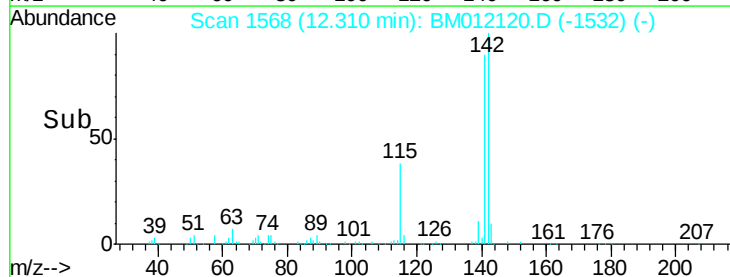
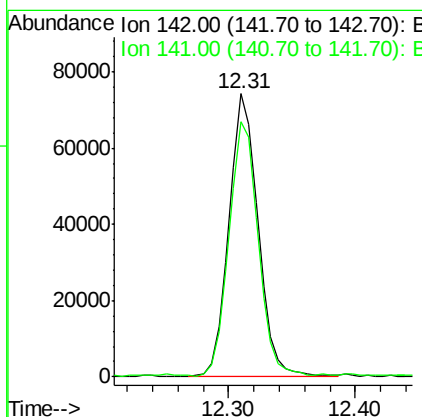
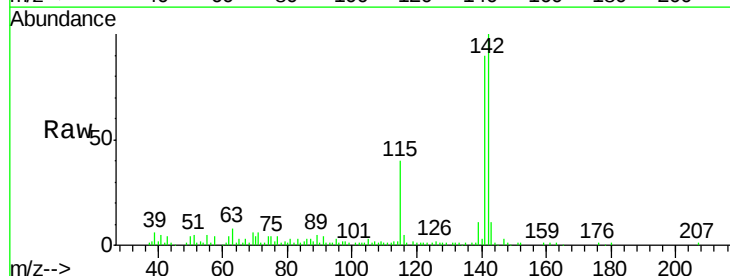
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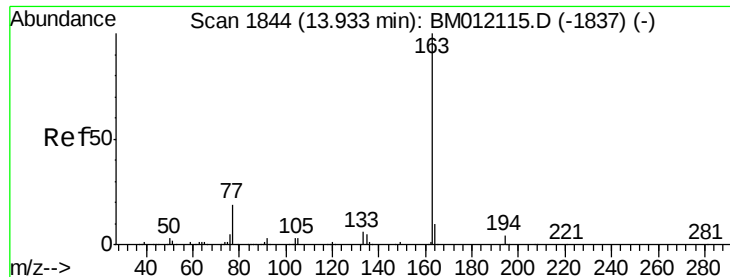
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#34
2-Methylnaphthalene
Concen: 1.78 ng/ul
RT: 12.31 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BM012120.D
Acq: 13 Oct 2017 04:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	74.1	111.1





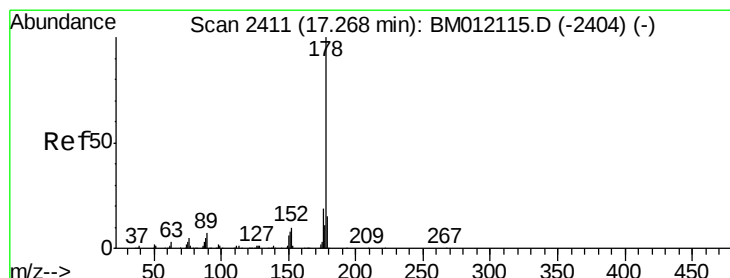
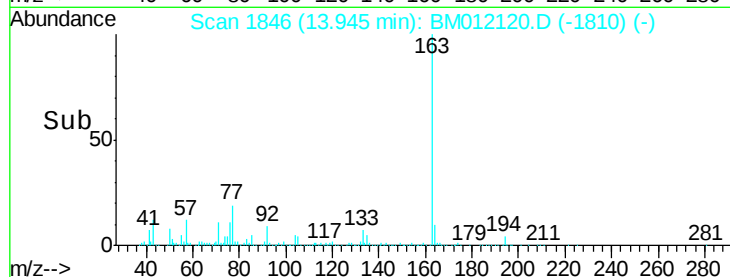
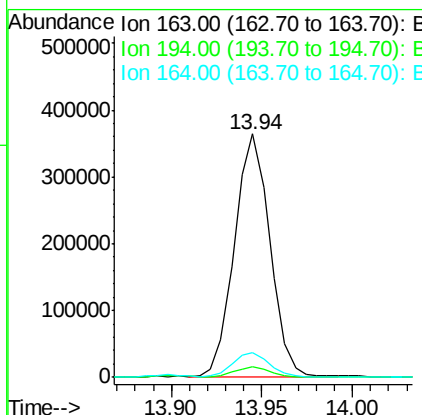
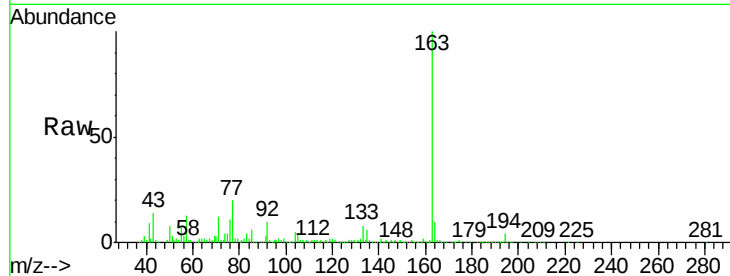
#44
Dimethylphthalate
Concen: 6.21 ng/ul
RT: 13.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BM012120.D
Acq: 13 Oct 2017 04:04

Instrument :
BNA_M
ClientSampleId :
B-56(1-2)-092717

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	492612		
194	4.2	3.5	5.3	
164	10.1	8.2	12.4	

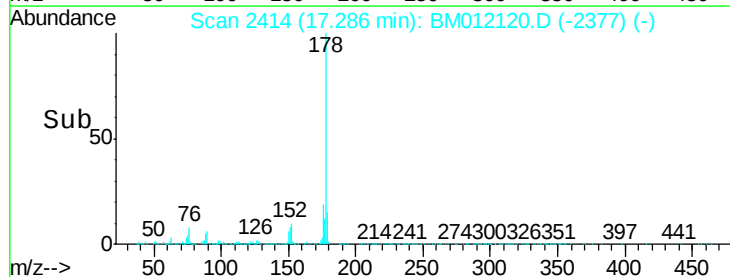
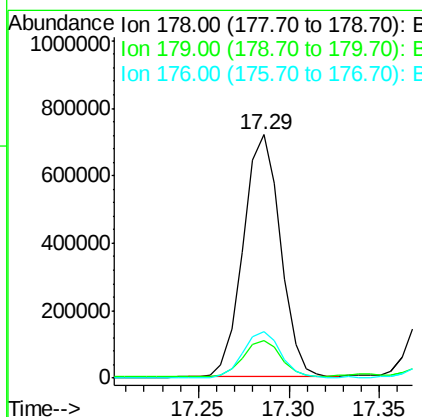
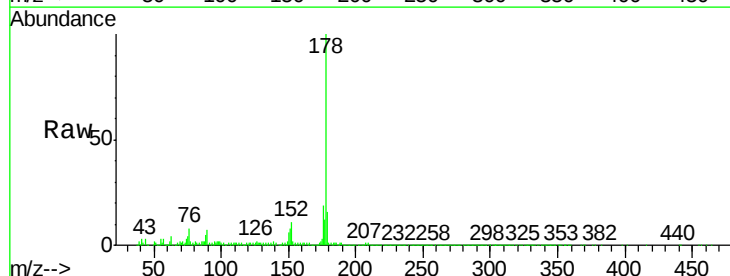
Manual Integrations
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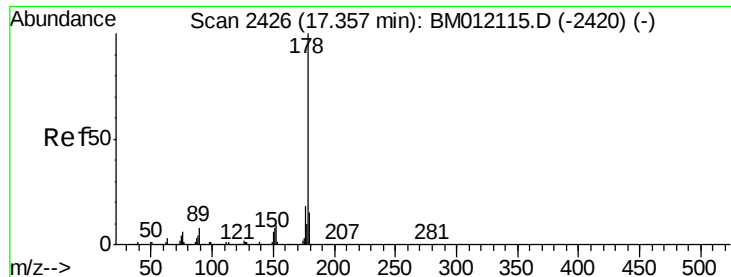
Sohil
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#69
Phenanthrene
Concen: 10.85 ng/ul
RT: 17.29 min Scan# 2414
Delta R.T. 0.02 min
Lab File: BM012120.D
Acq: 13 Oct 2017 04:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1030502		
179	15.6	12.6	19.0	
176	19.2	14.9	22.3	





#71

Anthracene

Concen: 2.90 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

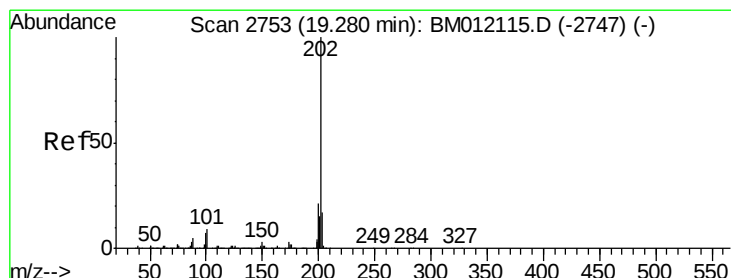
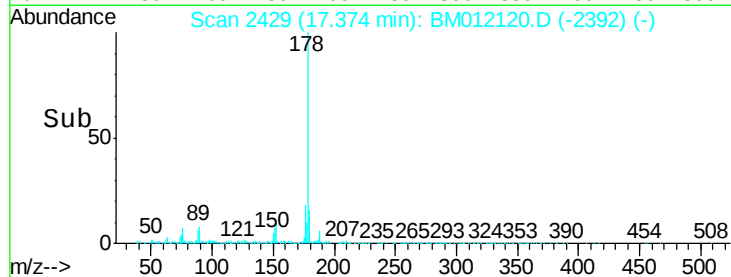
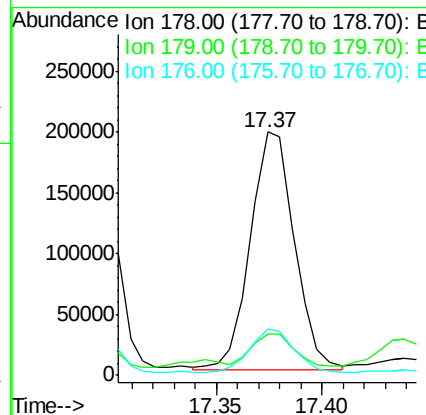
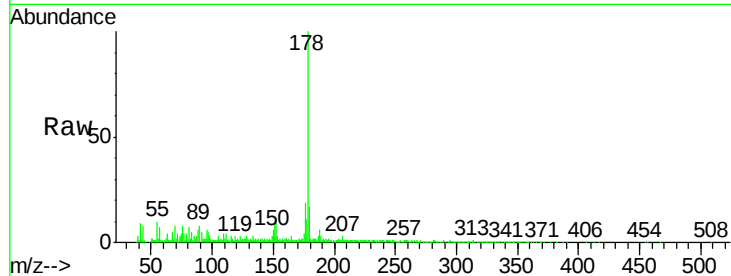
ClientSampleId :

B-56(1-2)-092717

Tgt Ion:	178	Resp:	284996
Ion Ratio		Lower	Upper
178	100		
179	17.2	11.7	17.5
176	19.1	14.6	21.8

Manual Integrations
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#74

Fluoranthene

Concen: 18.62 ng/ul

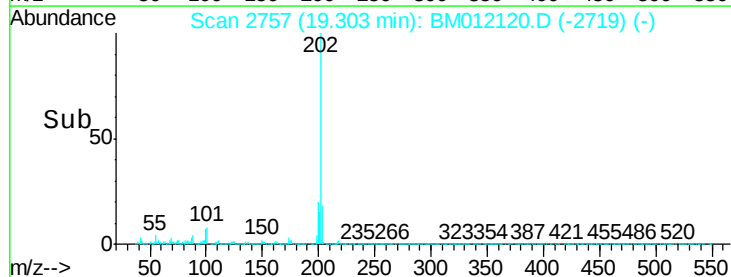
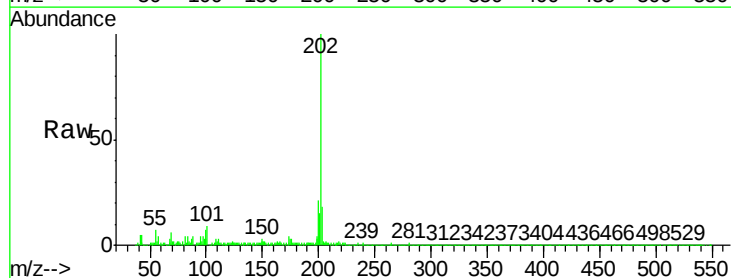
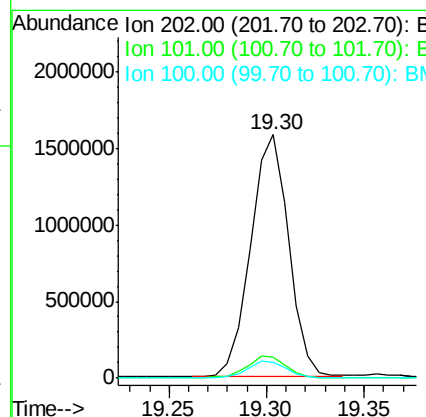
RT: 19.30 min Scan# 2757

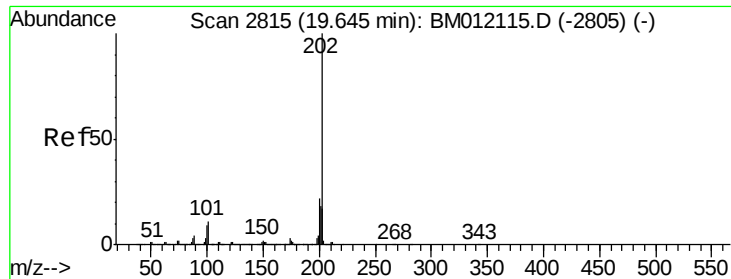
Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Tgt Ion:	202	Resp:	2134637
Ion Ratio		Lower	Upper
202	100		
101	8.7	4.6	7.0#
100	6.7	3.4	5.2#





#77

Pyrene

Concen: 15.54 ng/ul

RT: 19.67 min Scan# 2819

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

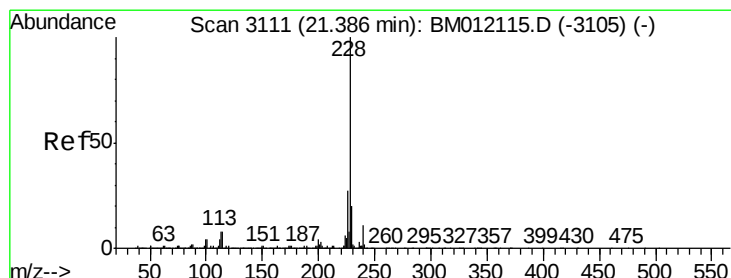
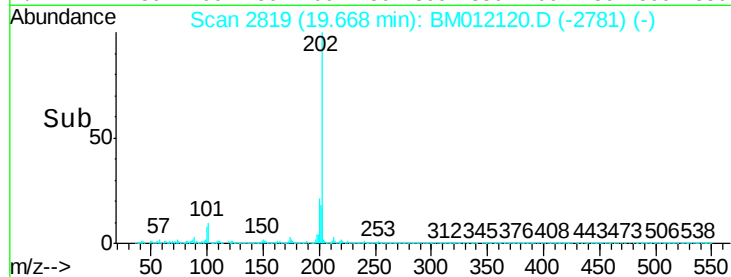
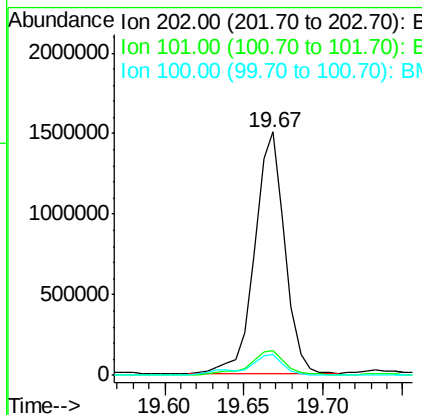
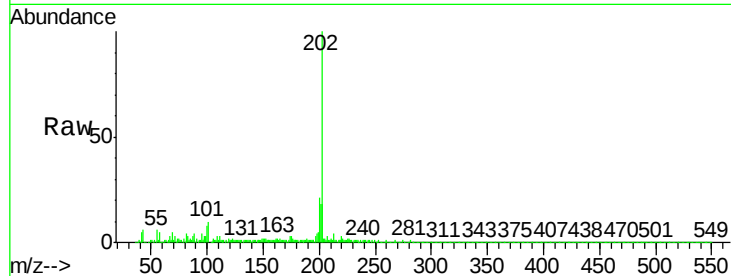
ClientSampleId :

B-56(1-2)-092717

Tgt Ion:	202	Resp:	1978785
Ion Ratio	Lower	Upper	
202	100		
101	10.1	5.1	7.7#
100	8.5	4.9	7.3#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 9.59 ng/ul

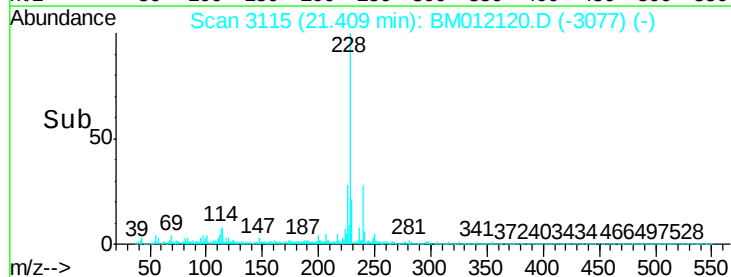
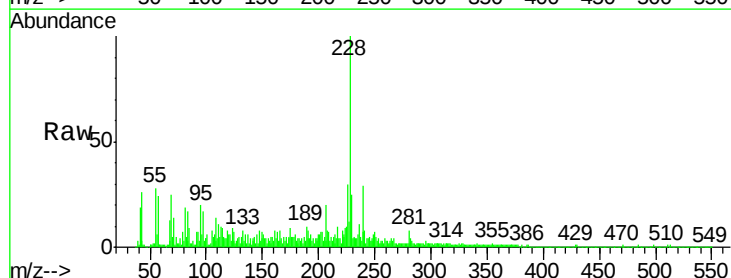
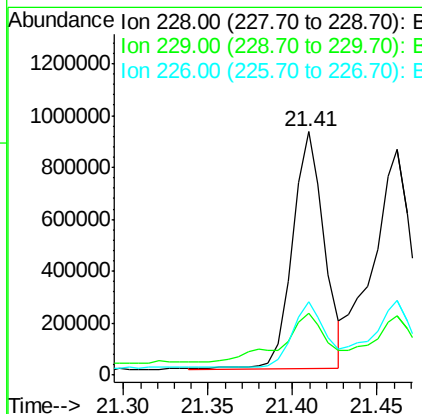
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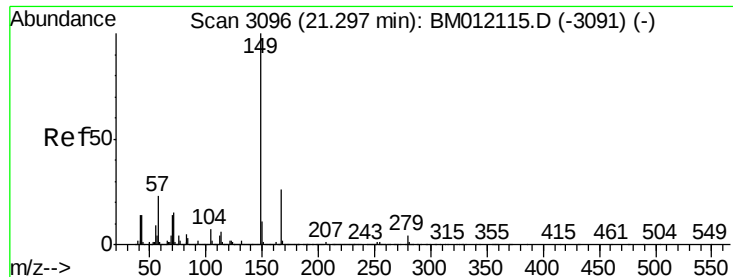
Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Tgt Ion:	228	Resp:	1203459
Ion Ratio	Lower	Upper	
228	100		
229	25.3	15.4	23.0#
226	30.1	21.4	32.0





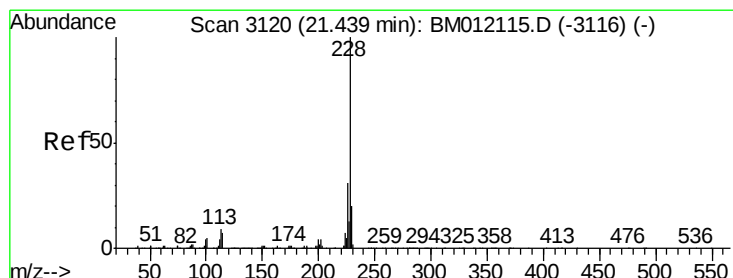
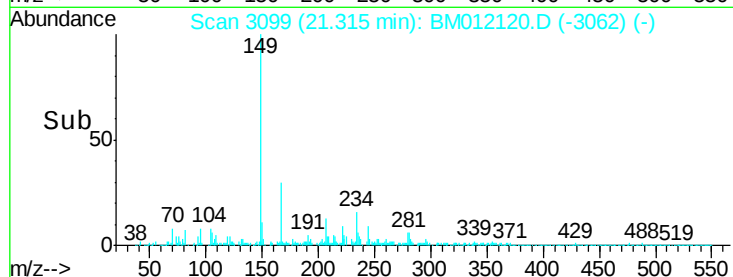
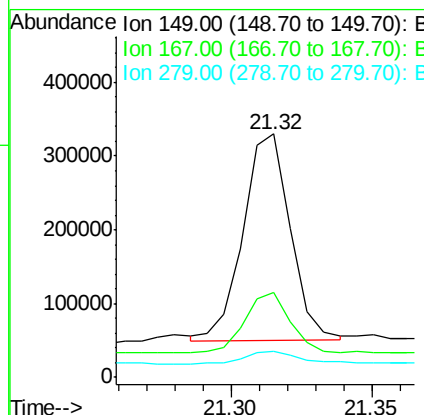
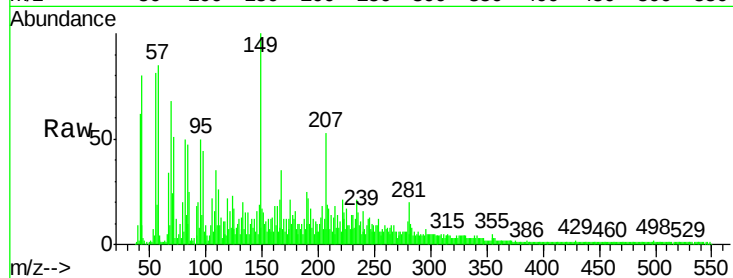
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 3.84 ng/ul
 RT: 21.32 min Scan# 3099
 Delta R.T. 0.02 min
 Lab File: BM012120.D
 Acq: 13 Oct 2017 04:04

Instrument :
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 ClientSampleId :
 B-56(1-2)-092717

Tgt Ion	Ratio	Lower	Upper
149	100		
167	35.0	22.8	34.2#
279	10.7	4.9	7.3#

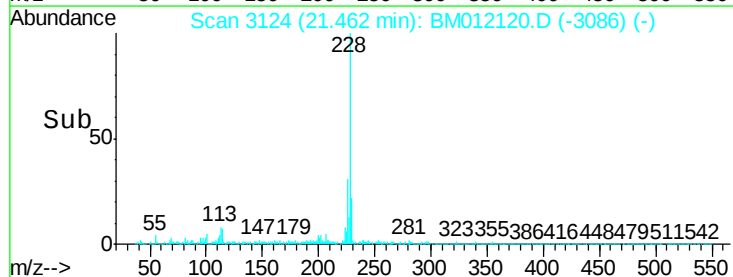
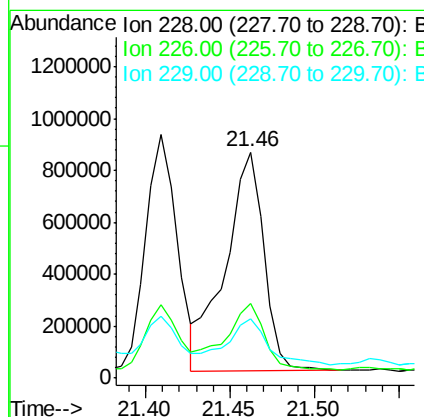
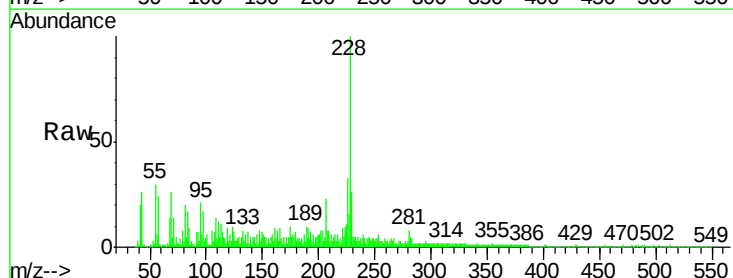
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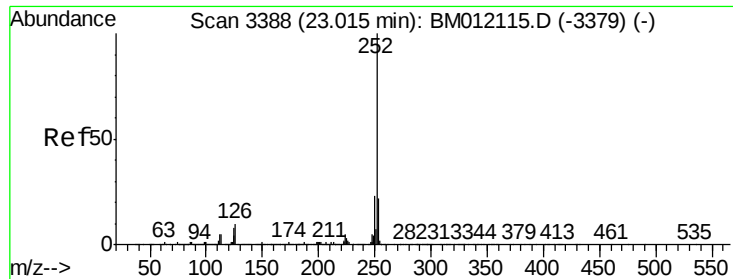
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#82
 Chrysene
 Concen: 11.40 ng/ul
 RT: 21.46 min Scan# 3124
 Delta R.T. 0.02 min
 Lab File: BM012120.D
 Acq: 13 Oct 2017 04:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	23.4	35.2
229	26.2	15.5	23.3#





#85

Benzo(b)fluoranthene

Concen: 13.90 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. 0.05 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

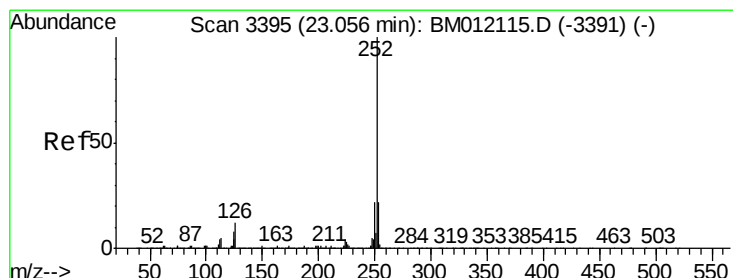
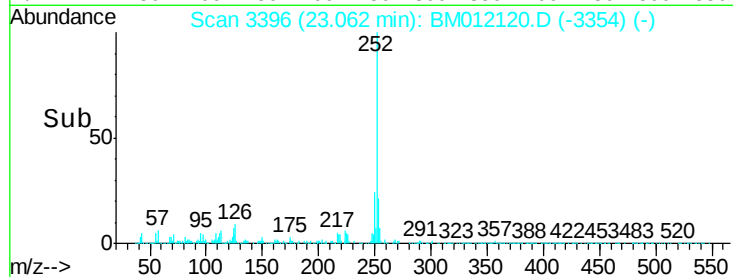
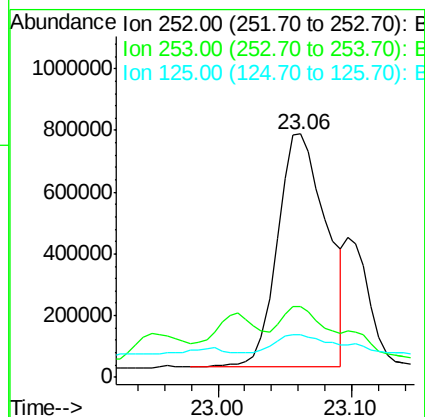
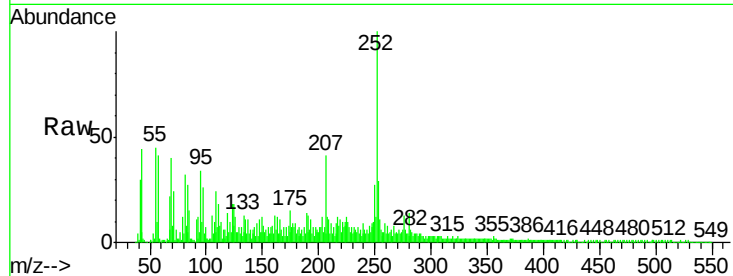
ClientSampleId :

B-56(1-2)-092717

Tgt Ion:	252	Resp:	1934854
Ion Ratio	Lower	Upper	
252	100		
253	29.0	17.9	26.9#
125	17.5	3.6	5.4#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 3.98 ng/ul m

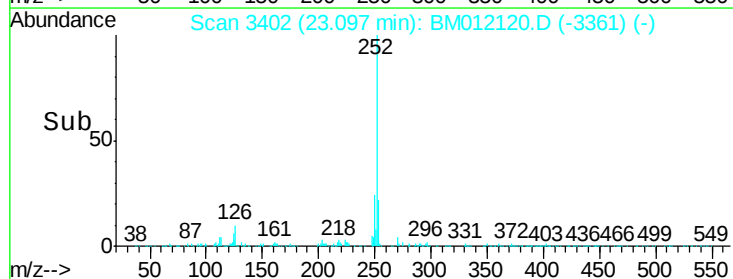
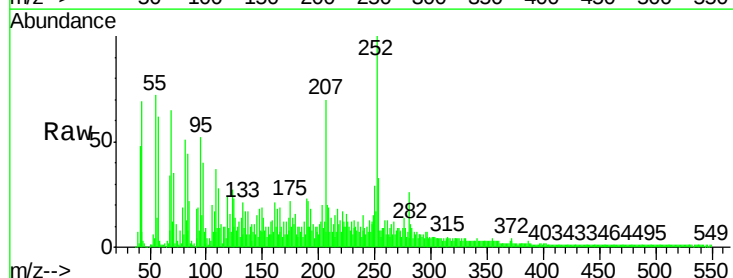
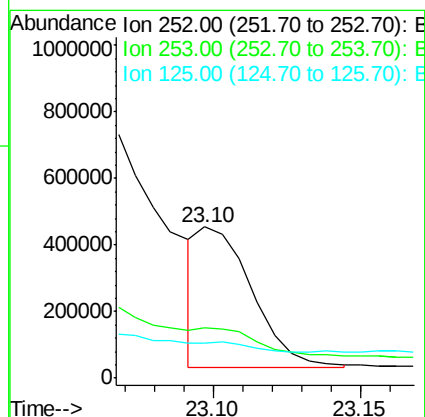
RT: 23.10 min Scan# 3402

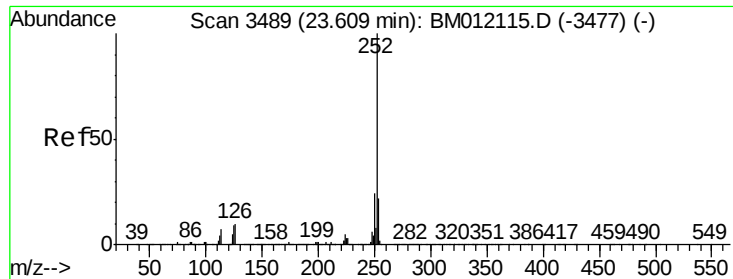
Delta R.T. 0.04 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Tgt Ion:	252	Resp:	533986
Ion Ratio	Lower	Upper	
252	100		
253	33.4	17.1	25.7#
125	22.9	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 9.91 ng/ul

RT: 23.67 min Scan# 3499

Delta R.T. 0.06 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

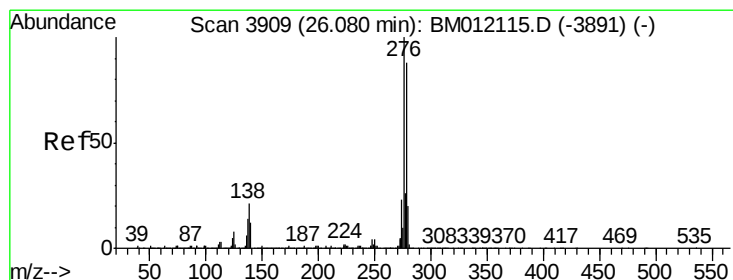
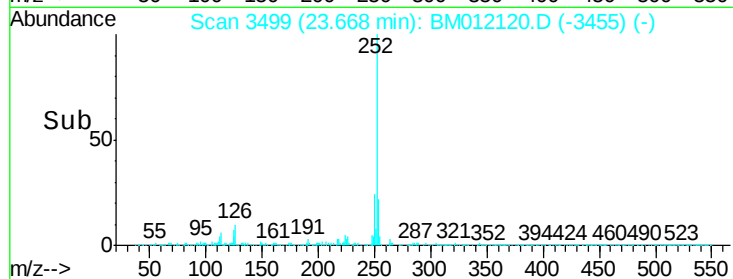
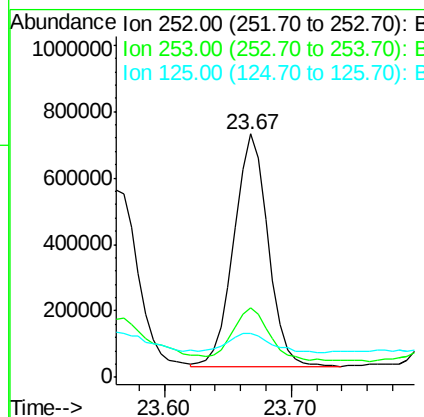
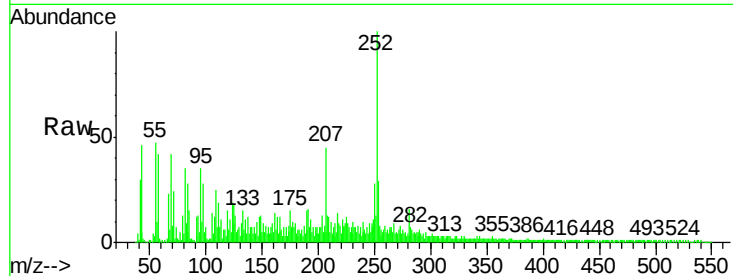
ClientSampleId :

B-56(1-2)-092717

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.2	27.2#
125	17.8	4.0	6.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 6.65 ng/ul

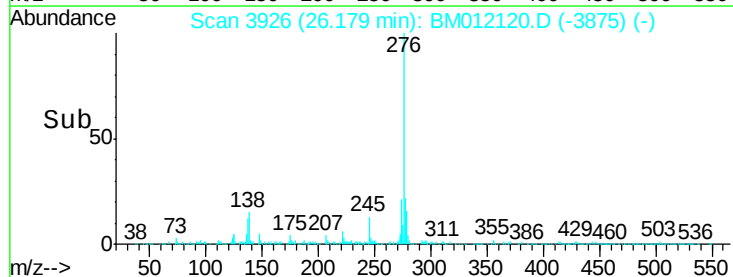
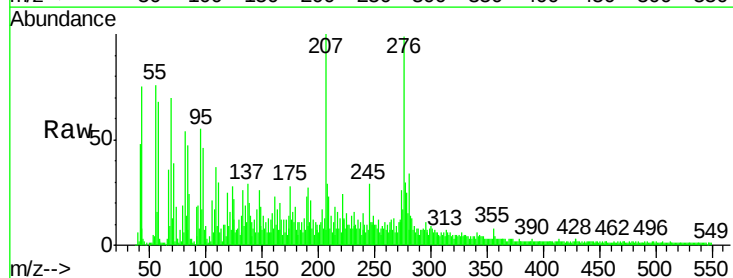
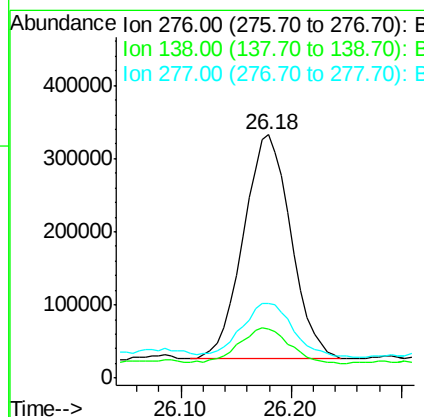
RT: 26.18 min Scan# 3926

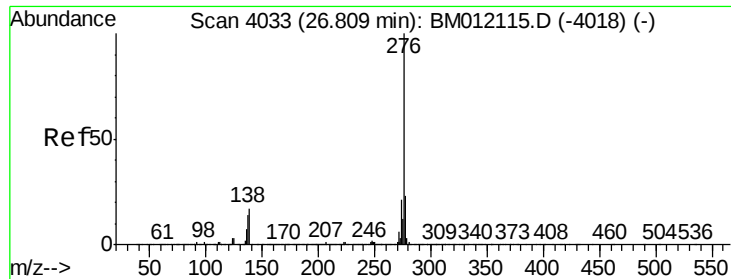
Delta R.T. 0.10 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	9.3	13.9#
277	30.6	19.9	29.9#





#91

Benzo(g,h,i)perylene

Concen: 8.55 ng/ul

RT: 26.93 min Scan# 4053

Delta R.T. 0.12 min

Lab File: BM012120.D

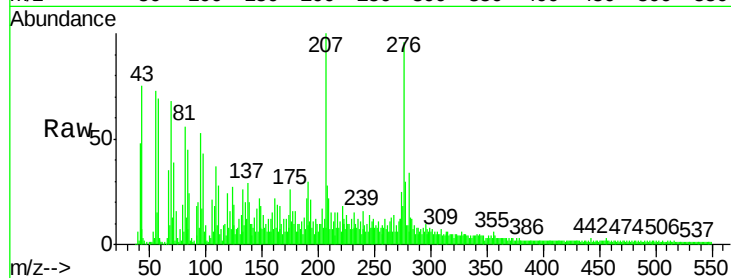
Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

ClientSampleId :

B-56(1-2)-092717



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	20.8	8.5	12.7#	
277	31.1	18.6	28.0#	

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:01 PM

