

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101317\
 Data File : BM012164.D
 Acq On : 14 Oct 2017 09:16
 Operator : SJ/JU
 Sample : I5611-02 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-44(5-5.5)_100217

Manual Integrations
 APPROVED

Sohil
 6/22/2018 5:57:59 PM

Quant Time: Jun 22 17:53:33 2018
 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	217796	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	829860	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	451525	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	983916	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1108911	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	1225613	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	4229	0.92	ng/uL	0.00
5) Phenol-d5	6.99	99	123928	7.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	88386	8.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	101203	6.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	100239	6.59	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	62014	9.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	55697	7.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	107946	7.64	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	66776	5.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.88	166	328940	8.24	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	393410	8.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	16345	2.72	ng/ul	0.02
57) Fluorene-d10	15.47	176	273542	8.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	11470	1.70	ng/ul	0.00
70) Anthracene-d10	17.32	188	428535	8.81	ng/ul	0.00
76) Pyrene-d10	19.62	212	473236	8.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	507616	8.59	ng/ul	0.00

Target Compounds

					Qvalue
16) 4-Methylphenol	8.59	108	74306	4.908 ng/ul#	72
28) Naphthalene	10.67	128	295923	6.892 ng/ul#	94
32) Caprolactam	11.63	113	15081	3.433 ng/ul	85
34) 2-Methylnaphthalene	12.29	142	175177	5.407 ng/ul	96
44) Dimethylphthalate	13.93	163	107752m	2.695 ng/ul	
49) Acenaphthene	14.54	153	56998	1.784 ng/ul	97
53) Dibenzofuran	14.87	168	57689	1.254 ng/ul	98
58) Fluorene	15.52	166	76183	1.994 ng/ul	99
69) Phenanthrene	17.26	178	929517	16.607 ng/ul	99
71) Anthracene	17.36	178	261939	4.520 ng/ul	98
74) Fluoranthene	19.28	202	1630549	24.139 ng/ul#	93
77) Pyrene	19.64	202	1561522	21.322 ng/ul#	93
80) Benzo(a)anthracene	21.39	228	894984	12.403 ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.29	149	74478	1.523 ng/ul#	97
82) Chrysene	21.44	228	799148	11.796 ng/ul	96
85) Benzo(b)fluoranthene	23.02	252	1054418	13.183 ng/ul#	96
86) Benzo(k)fluoranthene	23.06	252	283688m	3.681 ng/ul	
88) Benzo(a)pyrene	23.61	252	797489	10.579 ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.09	276	490983	6.133 ng/ul#	96
90) Dibenzo(a,h)anthracene	26.09	278	129682	1.927 ng/ul#	78
91) Benzo(g,h,i)perylene	26.82	276	459568	7.009 ng/ul#	91

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

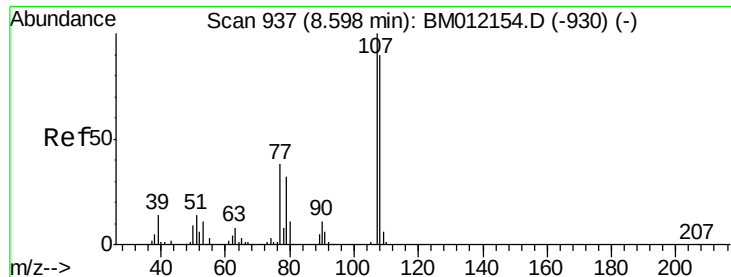
Manual Integrations
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Quant Time: Jun 22 17:53:33 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



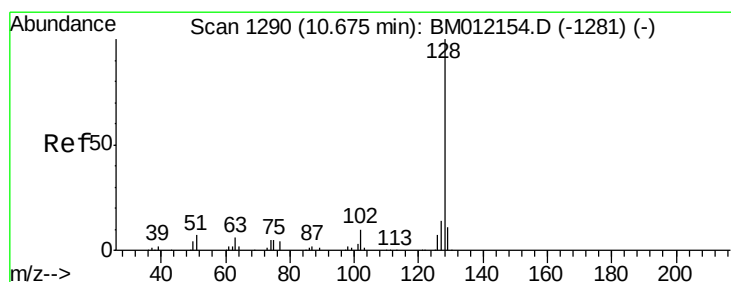
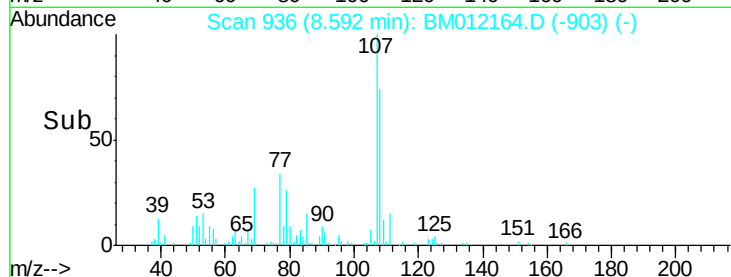
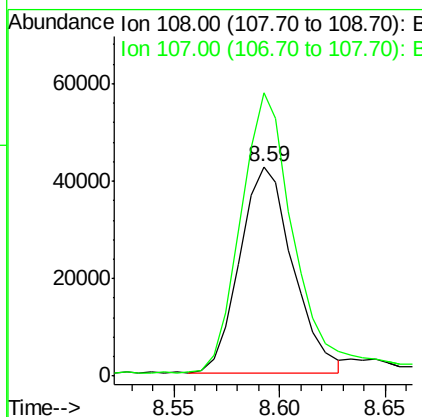
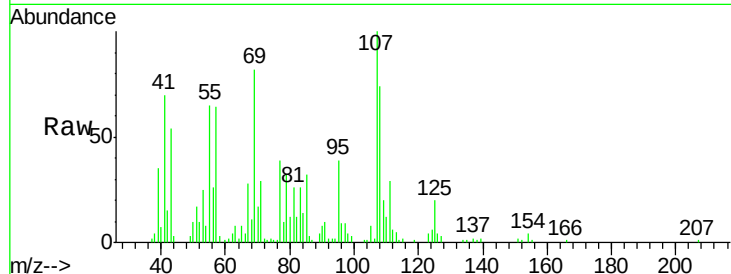
#16
4-Methylphenol
Concen: 4.908 ng/ul
RT: 8.59 min Scan# 936
Delta R.T. -0.01 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	74306		
107	135.2	84.9	127.3#	

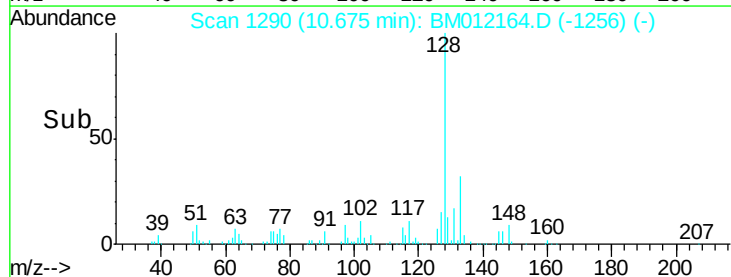
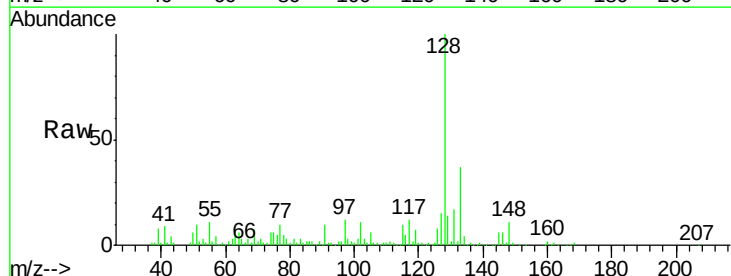
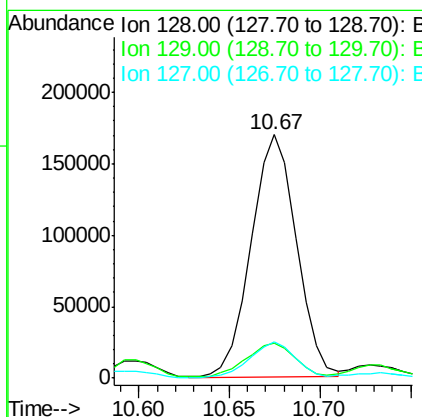
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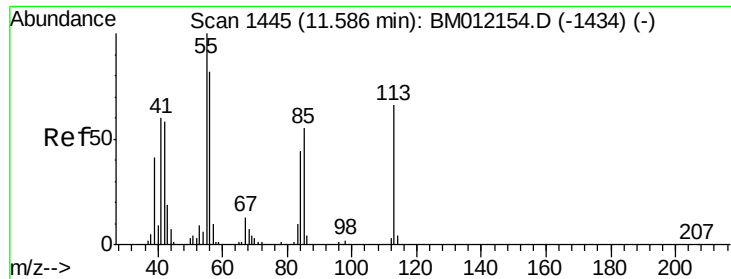
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#28
Naphthalene
Concen: 6.892 ng/ul
RT: 10.67 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	295923		
129	14.2	8.8	13.2#	
127	14.9	10.6	16.0	





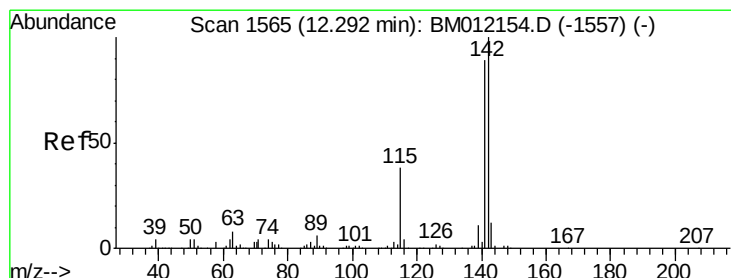
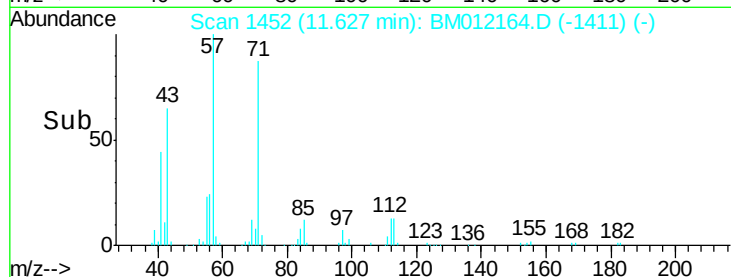
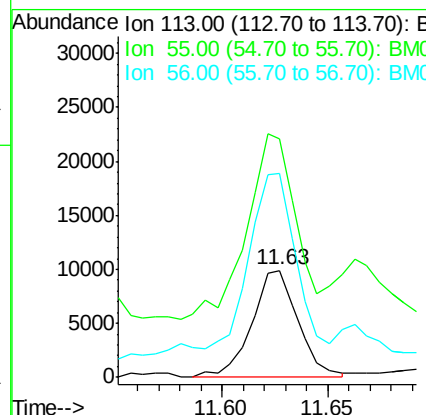
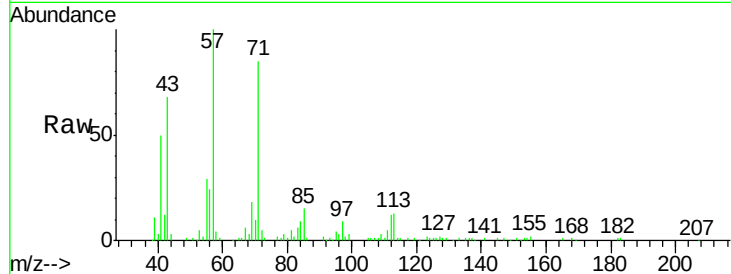
#32
 Caprolactam
 Concen: 3.433 ng/ul
 RT: 11.63 min Scan# 1452
 Delta R.T. 0.04 min
 Lab File: BM012164.D
 Acq: 14 Oct 2017 09:16

Instrument :
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 ClientSampleId :
 B-44(5-5.5)_100217

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
55	222.5	208.0	312.0	
56	190.6	160.0	240.0	

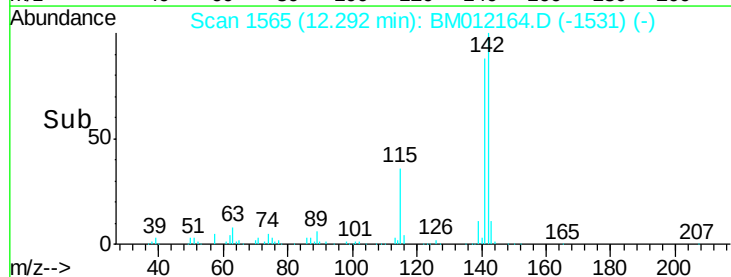
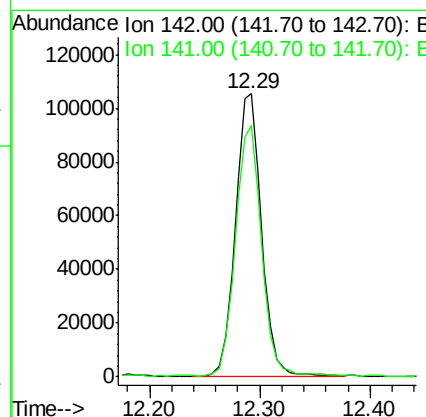
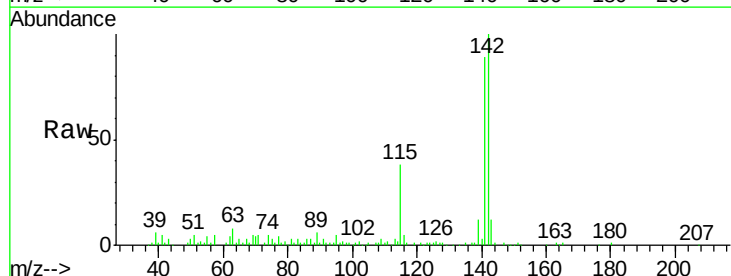
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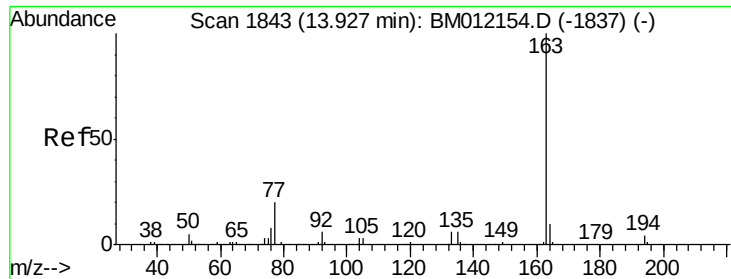
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#34
 2-Methylnaphthalene
 Concen: 5.407 ng/ul
 RT: 12.29 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: BM012164.D
 Acq: 14 Oct 2017 09:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	88.6	74.1	111.1	





#44

Dimethylphthalate

Concen: 2.695 ng/ul m

RT: 13.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

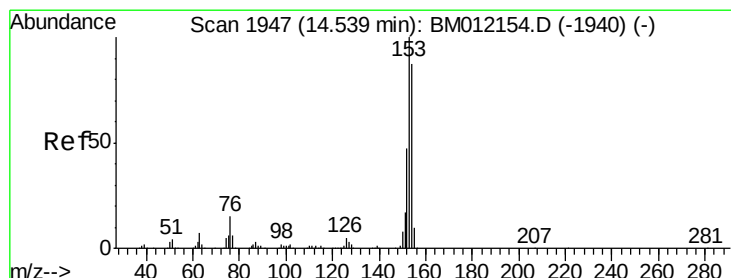
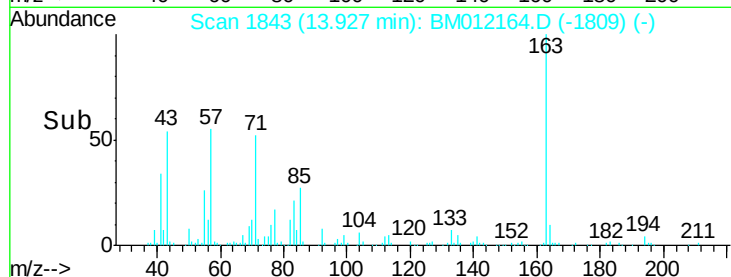
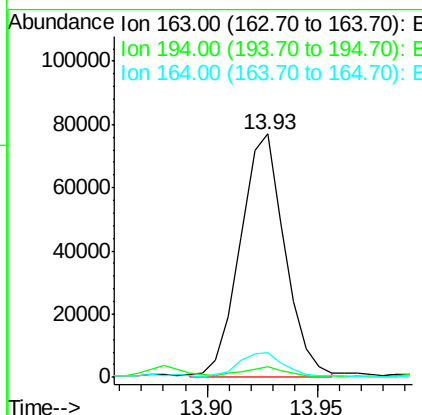
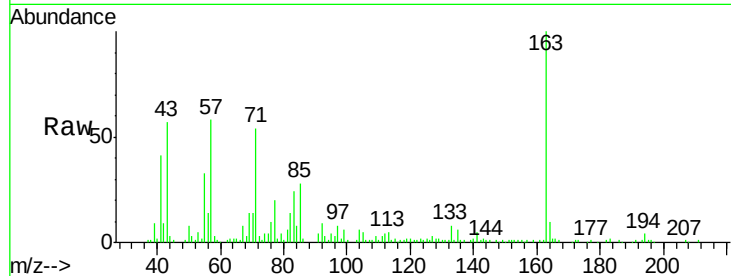
ClientSampleId :

B-44(5-5.5)_100217

Tgt Ion:	163	Resp:	107752
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.5	5.3
164	9.9	8.2	12.4

Manual Integrations
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#49

Acenaphthene

Concen: 1.784 ng/ul

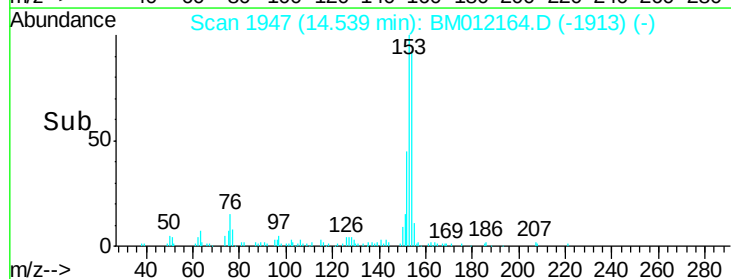
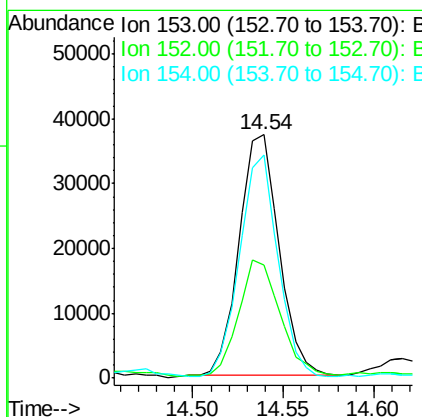
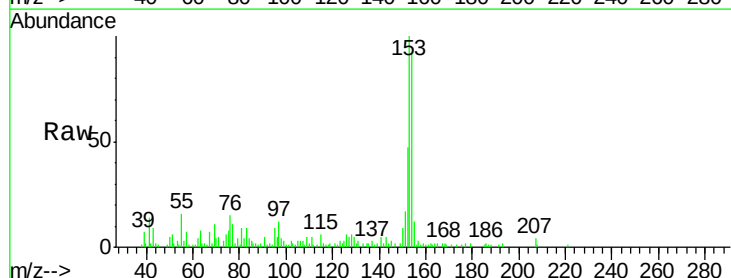
RT: 14.54 min Scan# 1947

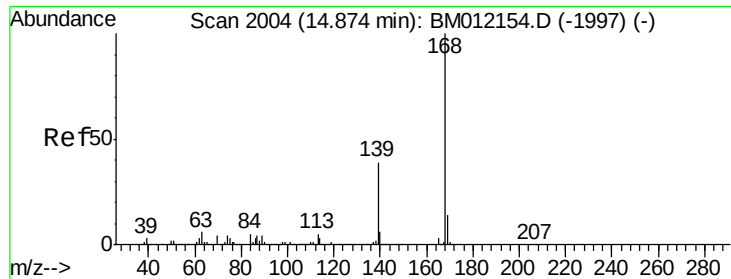
Delta R.T. -0.00 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Tgt Ion:	153	Resp:	56998
Ion Ratio	Lower	Upper	
153	100		
152	46.5	37.6	56.4
154	91.8	70.4	105.6





#53

Dibenzenofuran

Concen: 1.254 ng/ul

RT: 14.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

ClientSampleId :

B-44(5-5.5)_100217

Tgt Ion:168 Resp: 57689

Ion Ratio Lower Upper

168 100

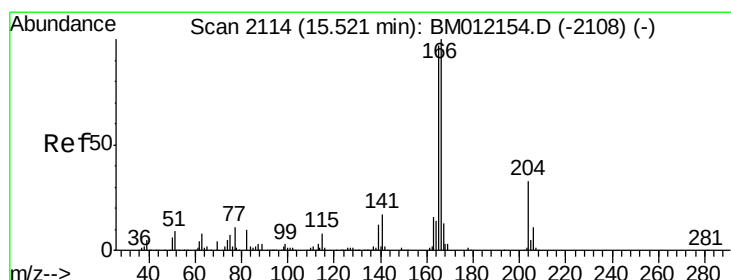
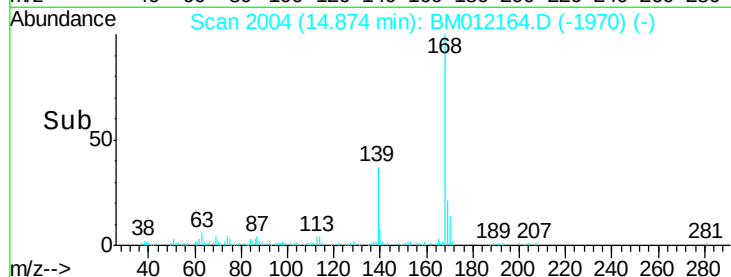
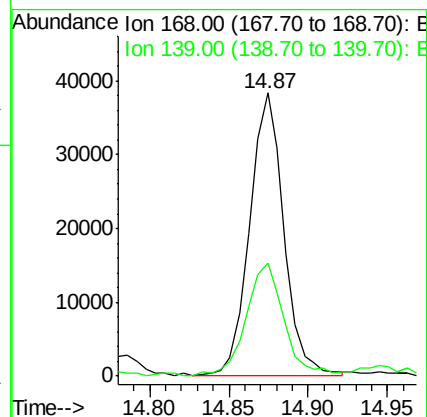
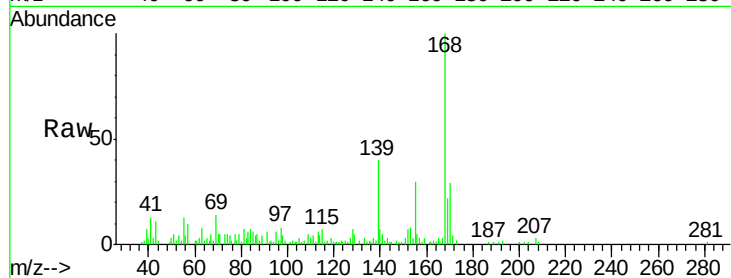
139 39.9 30.8 46.2

Manual Integrations

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#58

Fluorene

Concen: 1.994 ng/ul

RT: 15.52 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

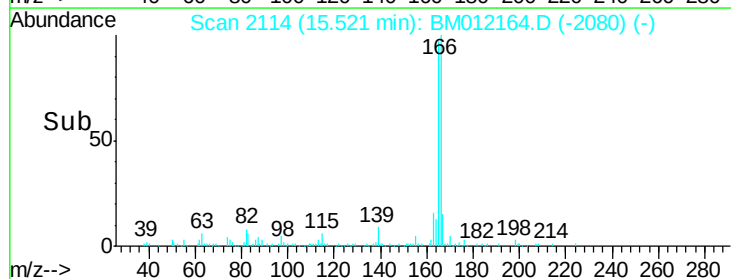
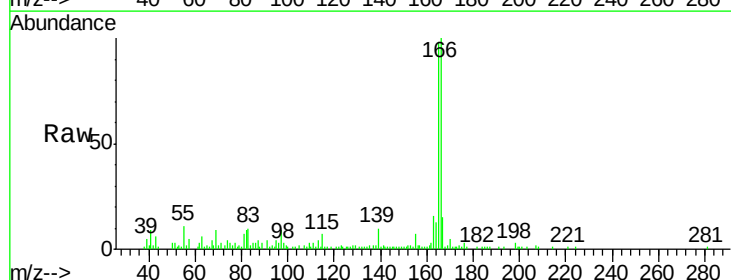
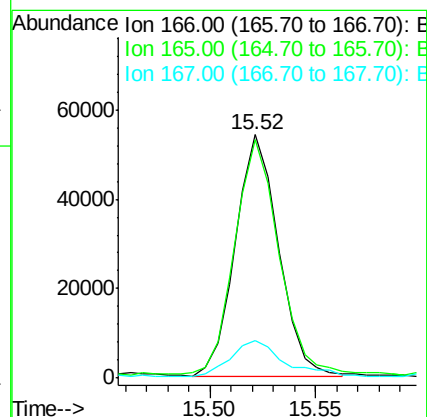
Tgt Ion:166 Resp: 76183

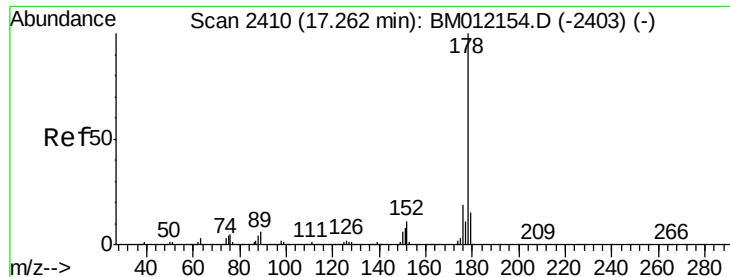
Ion Ratio Lower Upper

166 100

165 98.0 77.9 116.9

167 15.5 10.6 16.0





#69

Phenanthrene

Concen: 16.607 ng/ul

RT: 17.26 min Scan# 2410

Delta R.T. -0.00 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

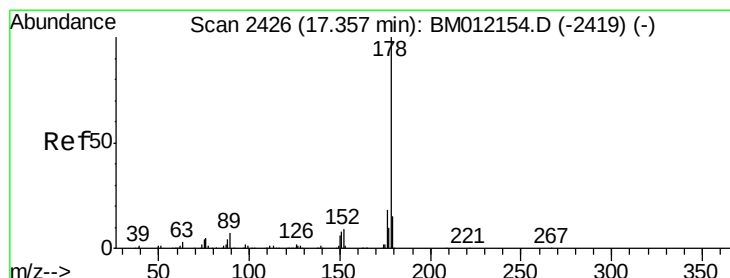
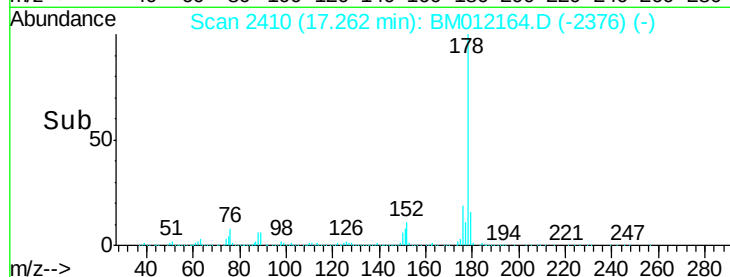
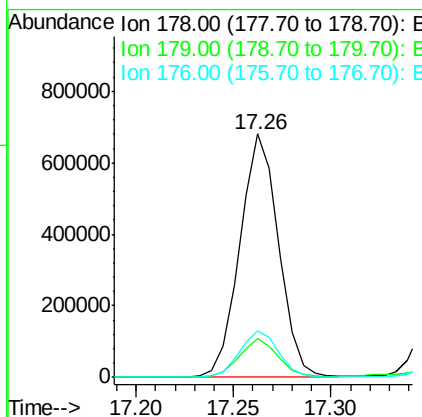
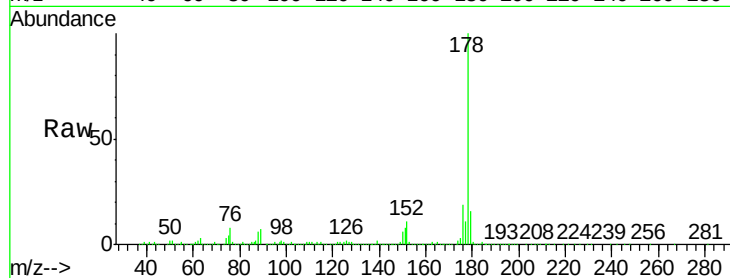
ClientSampleId :

B-44(5-5.5)_100217

Tgt Ion:	178	Resp:	929517
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.6	19.0
176	19.2	14.9	22.3

Manual Integrations
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#71

Anthracene

Concen: 4.520 ng/ul

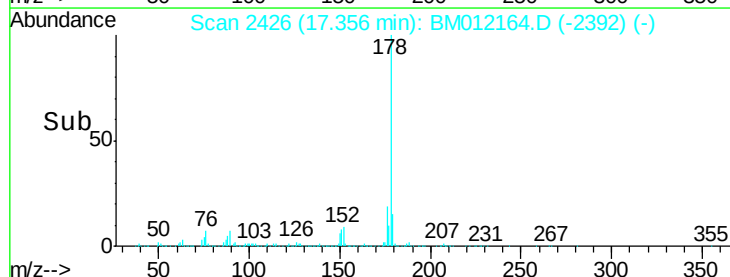
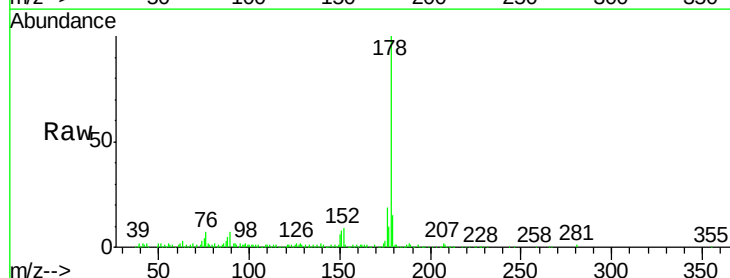
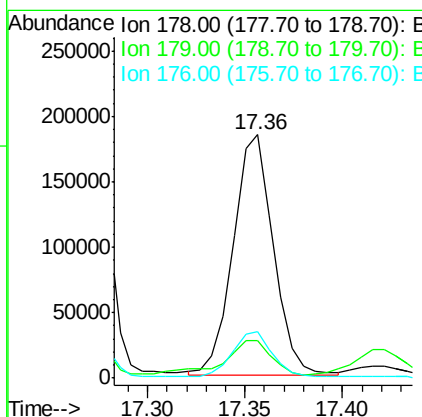
RT: 17.36 min Scan# 2426

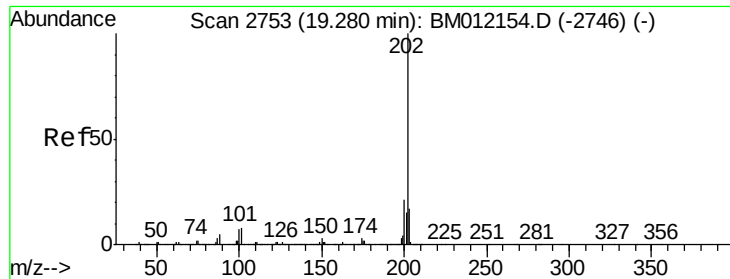
Delta R.T. -0.00 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Tgt Ion:	178	Resp:	261939
Ion Ratio	Lower	Upper	
178	100		
179	15.4	11.7	17.5
176	19.2	14.6	21.8





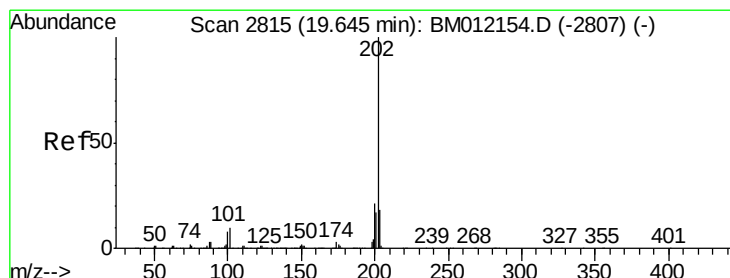
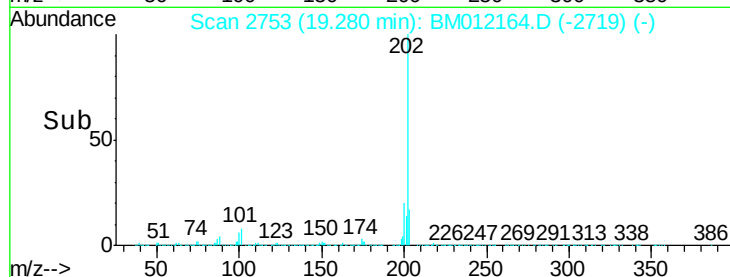
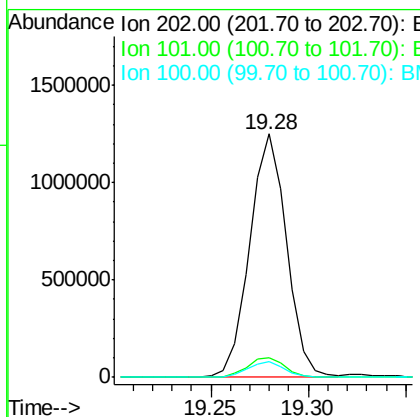
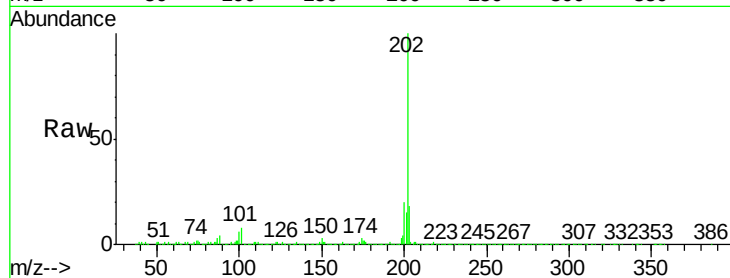
#74
 Fluoranthene
 Concen: 24.139 ng/ul
 RT: 19.28 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: BM012164.D
 Acq: 14 Oct 2017 09:16

Instrument :
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	4.6	7.0#
100	6.4	3.4	5.2#

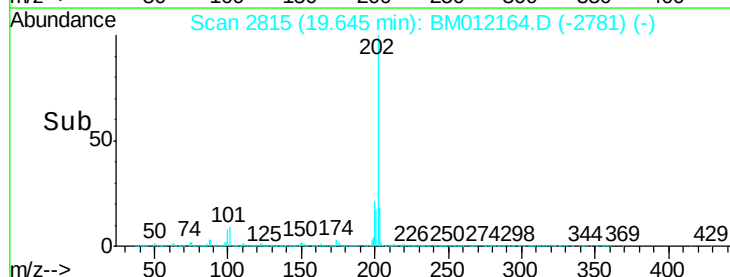
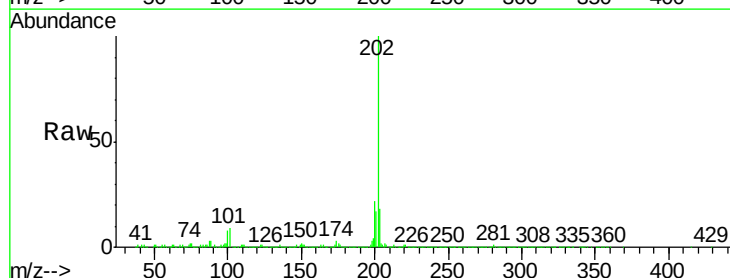
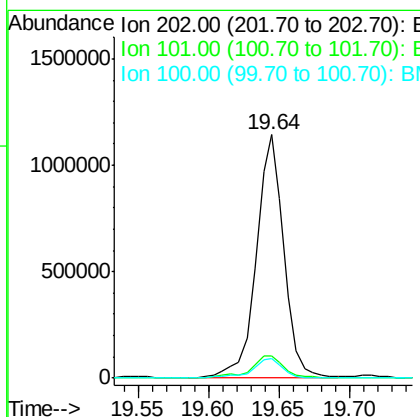
Manual Integrations
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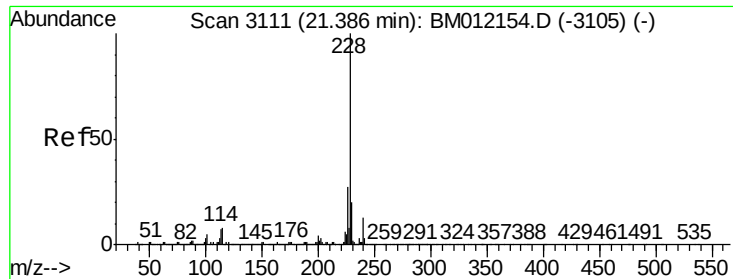
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#77
 Pyrene
 Concen: 21.322 ng/ul
 RT: 19.64 min Scan# 2815
 Delta R.T. -0.00 min
 Lab File: BM012164.D
 Acq: 14 Oct 2017 09:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	5.1	7.7#
100	8.1	4.9	7.3#





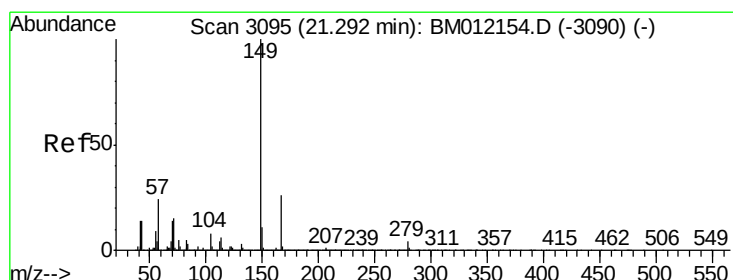
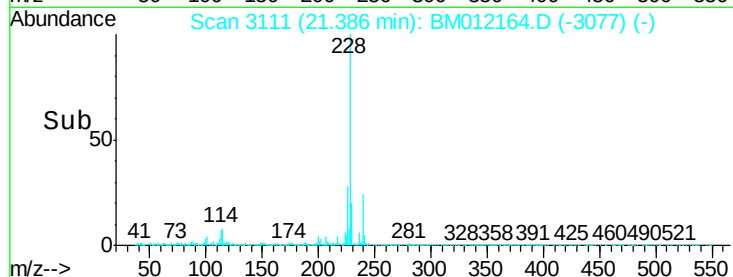
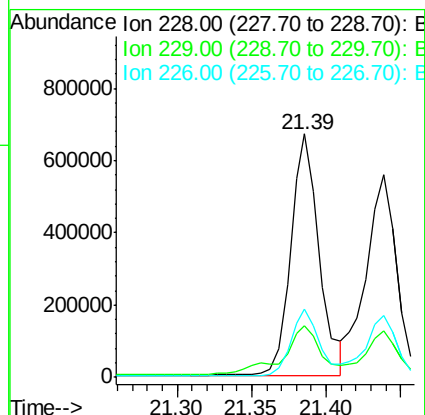
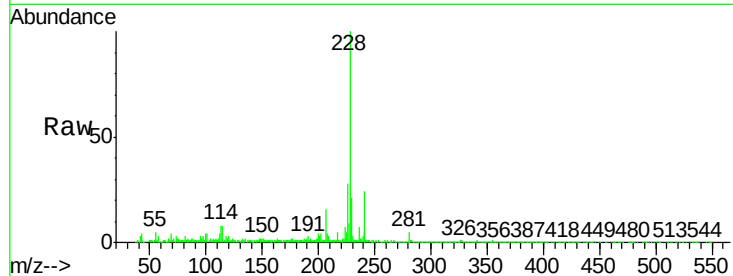
#80
Benzo(a)anthracene
Concen: 12.403 ng/ul
RT: 21.39 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	894984		
229	21.3	15.4	23.0	
226	28.1	21.4	32.0	

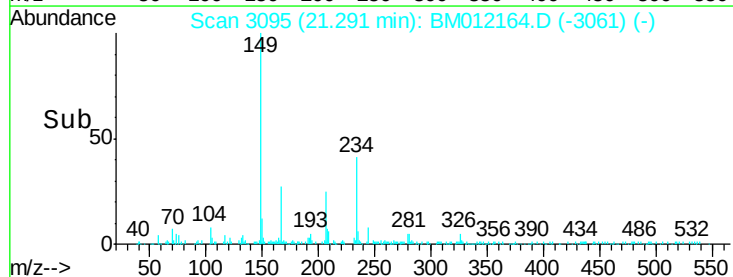
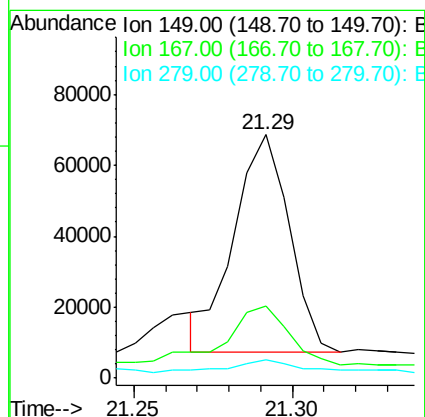
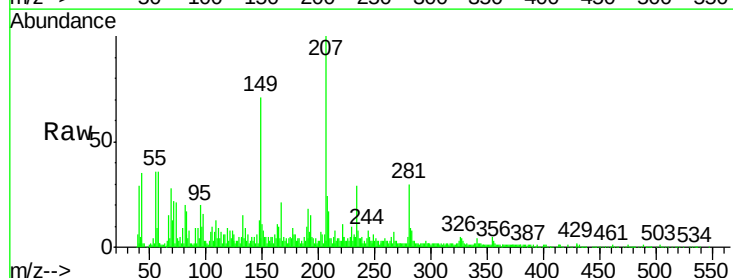
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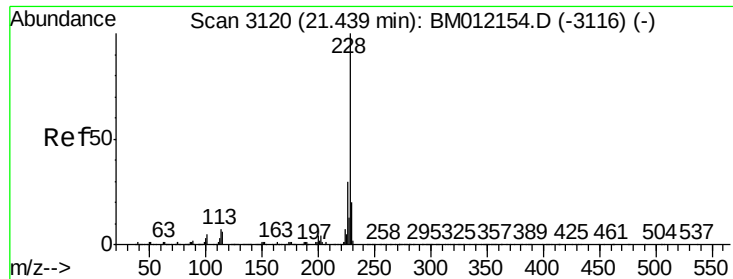
Sohil
6/22/2018 5:57:59 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 1.523 ng/ul
RT: 21.29 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	74478		
167	29.8	22.8	34.2	
279	7.4	4.9	7.3#	





#82

Chrysene

Concen: 11.796 ng/ul

RT: 21.44 min Scan# 3120

Delta R.T. -0.00 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

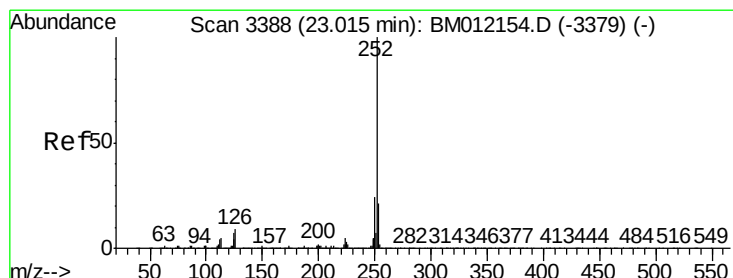
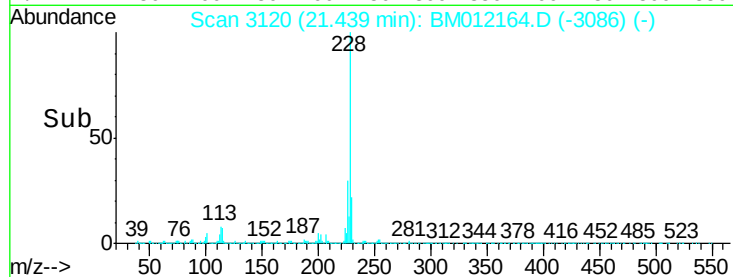
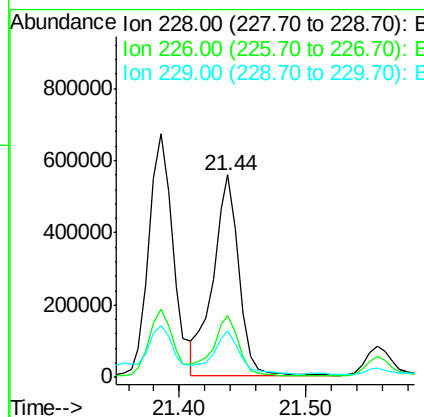
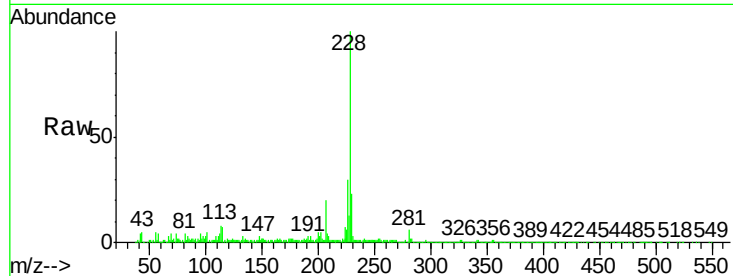
ClientSampleId :

B-44(5-5.5)_100217

Tgt Ion:	228	Resp:	799148
Ion Ratio		Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.9	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 13.183 ng/ul

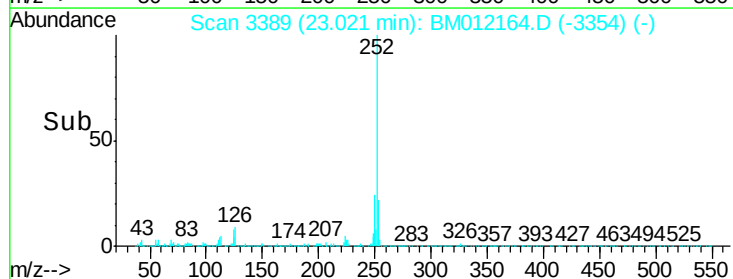
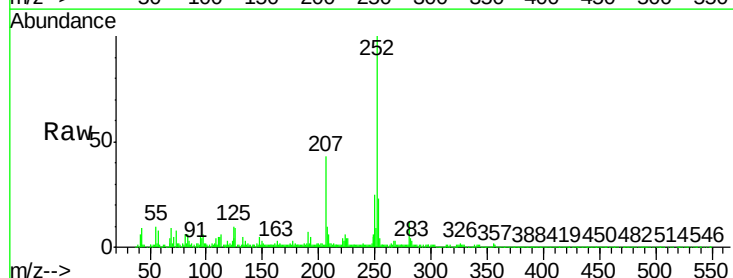
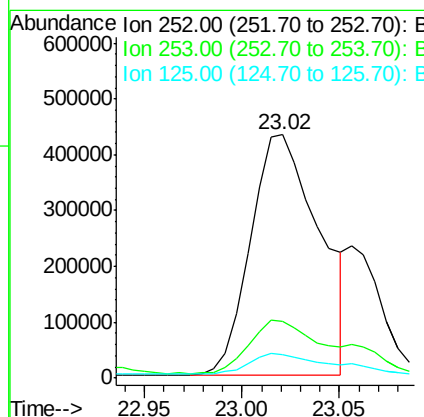
RT: 23.02 min Scan# 3389

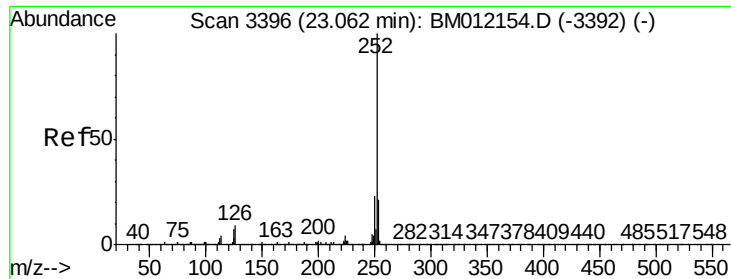
Delta R.T. 0.01 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Tgt Ion:	252	Resp:	1054418
Ion Ratio		Lower	Upper
252	100		
253	23.3	17.9	26.9
125	9.5	3.6	5.4





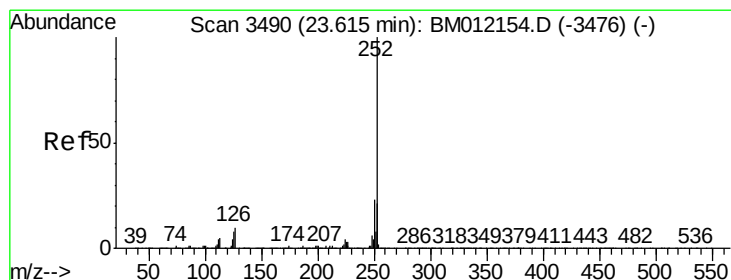
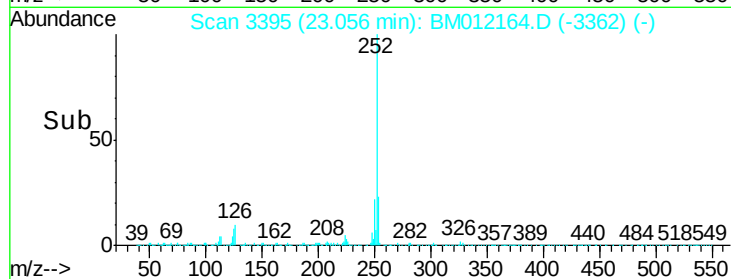
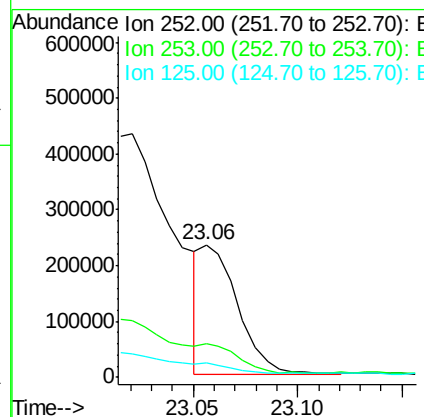
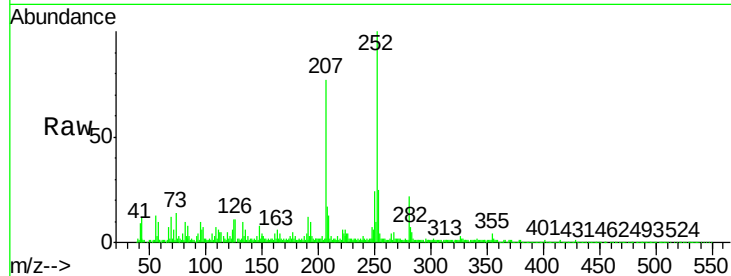
#86
Benzo(k)fluoranthene
Concen: 3.681 ng/ul m
RT: 23.06 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.1	17.1	25.7
125	10.9	3.4	5.2#

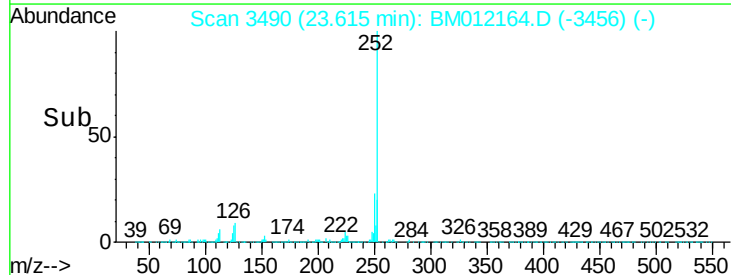
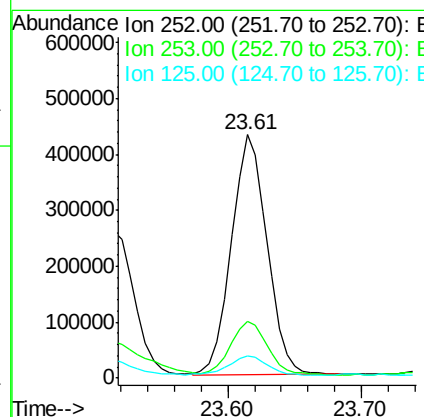
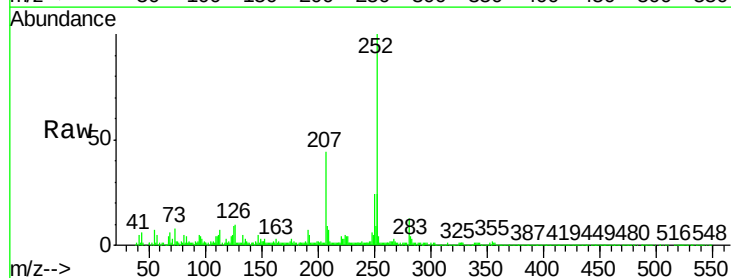
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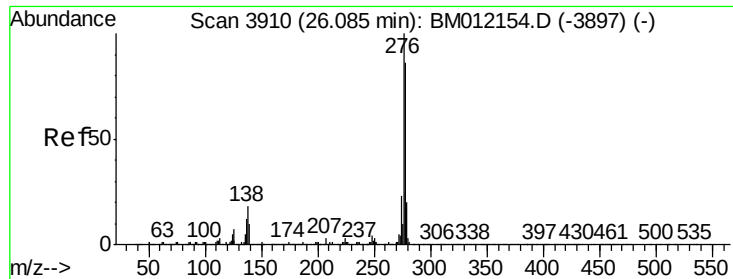
Sohil
6/22/2018 5:57:59 PM



#88
Benzo(a)pyrene
Concen: 10.579 ng/ul
RT: 23.61 min Scan# 3490
Delta R.T. -0.00 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	18.2	27.2
125	8.9	4.0	6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 6.133 ng/ul

RT: 26.09 min Scan# 3910

Delta R.T. -0.00 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

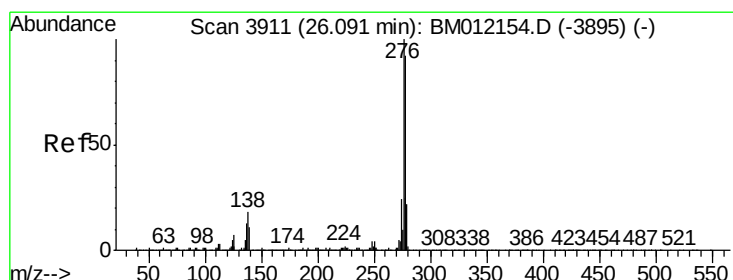
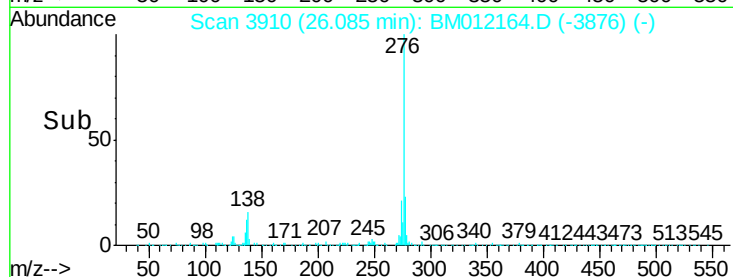
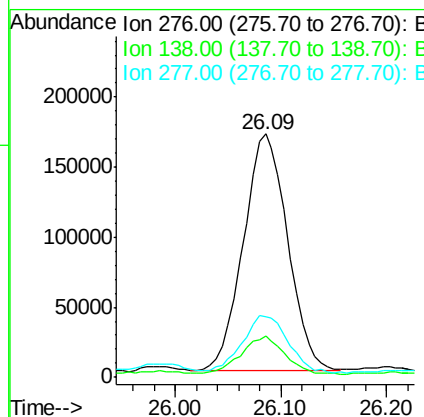
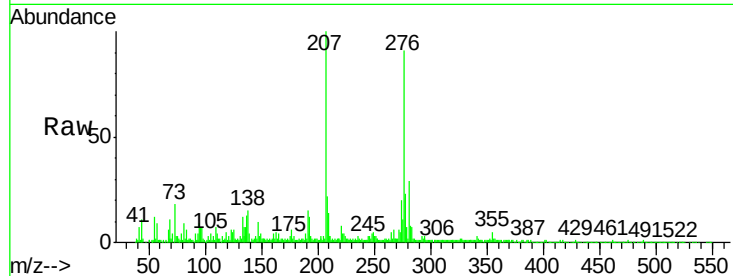
ClientSampleId :

B-44(5-5.5)_100217

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	490983		
138	16.8	9.3	13.9#	
277	25.0	19.9	29.9	

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 1.927 ng/ul

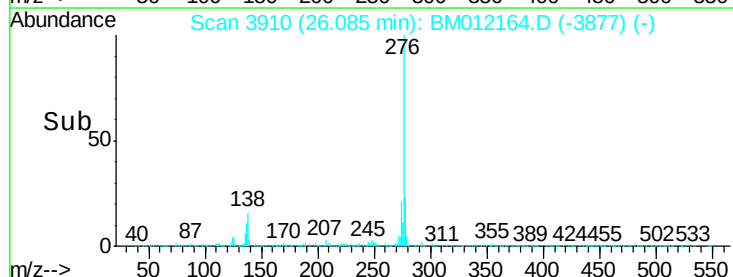
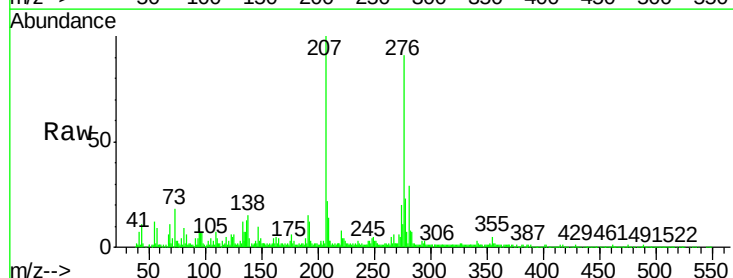
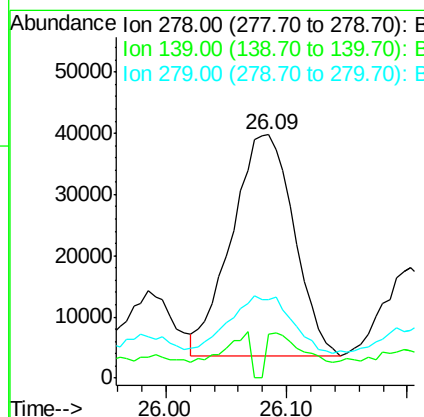
RT: 26.09 min Scan# 3910

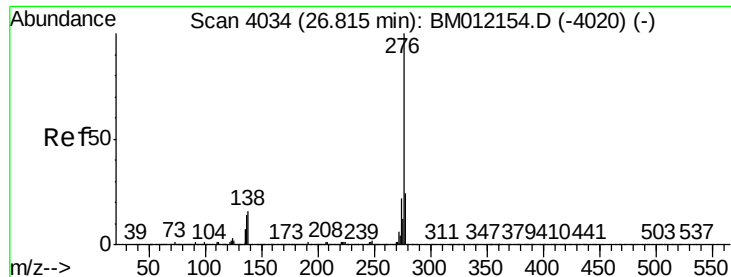
Delta R.T. -0.01 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	129682		
139	18.0	5.8	8.8#	
279	32.4	18.6	27.8#	





#91

Benzo(g,h,i)perylene

Concen: 7.009 ng/ul

RT: 26.82 min Scan# 4035

Delta R.T. 0.01 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

ClientSampleId :

B-44(5-5.5)_100217

Tgt	Ion	276	Resp:	459568
Ion	Ratio	100	Lower	Upper
276	100			
138	16.4	8.5	12.7#	
277	26.0	18.6	28.0	

Manual Integrations
APPROVED

Sohil

6/22/2018 5:57:59 PM

