

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BM102717\
 Data File : BM012488.D
 Acq On : 27 Oct 2017 16:07
 Operator : SJ/JU
 Sample : I5873-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-13(1-3)_101117

Manual Integrations
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Quant Time: Jun 23 01:34:21 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 09:35:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	446059	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	1650861	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	924610	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	2094292	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	2769170	20.00	ng/ul	0.02
83) Perylene-d12	23.76	264	3029640	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	45939	5.26	ng/uL	0.00
5) Phenol-d5	7.06	99	892550	23.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	552616	24.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	736299	26.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	683705	21.47	ng/ul	0.00
19) Nitrobenzene-d5	9.04	128	339138	32.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	360076	33.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	722794	25.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	30163	1.01	ng/ul	-0.01
43) Dimethylphthalate-d6	13.92	166	2052395	25.41	ng/ul	0.00
46) Acenaphthylene-d8	14.21	160	2568034	26.88	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	262595	21.87	ng/ul	0.01
57) Fluorene-d10	15.51	176	1745488	25.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	40966	4.04	ng/ul	0.01
70) Anthracene-d10	17.36	188	2559288	25.64	ng/ul	0.00
76) Pyrene-d10	19.65	212	3132083	24.65	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.61	264	3312303	23.01	ng/ul	0.03

Target Compounds

					Ovalue
6) Phenol	7.08	94	174200	4.490	ng/ul 90
11) 2-Methylphenol	8.33	108	116702	3.989	ng/ul 96
14) Acetophenone	8.69	105	492839	9.849	ng/ul# 42
16) 4-Methylphenol	8.65	108	188601	5.890	ng/ul 94
24) 2,4-Dimethylphenol	9.89	107	1042124m	31.298	ng/ul
28) Naphthalene	10.73	128	707012	8.637	ng/ul 98
34) 2-Methylnaphthalene	12.34	142	251895	3.789	ng/ul 97
47) Acenaphthylene	14.23	152	182703	2.004	ng/ul# 93
49) Acenaphthene	14.57	153	115214	1.845	ng/ul 98
53) Dibenzofuran	14.91	168	208428	2.255	ng/ul 96
58) Fluorene	15.56	166	240523	3.077	ng/ul# 90
67) Atrazine	16.86	200	870159	33.247	ng/ul# 59
69) Phenanthrene	17.30	178	3678939	32.483	ng/ul 99
71) Anthracene	17.39	178	297101m	2.538	ng/ul
72) Carbazole	17.66	167	129313	1.334	ng/ul# 79
74) Fluoranthene	19.32	202	4840709	37.720	ng/ul# 93
77) Pyrene	19.68	202	4107848	26.086	ng/ul# 91
80) Benzo(a)anthracene	21.43	228	1787052	10.777	ng/ul 94
81) Bis(2-ethylhexyl)phthalate	21.34	149	31992717m	338.930	ng/ul
82) Chrysene	21.48	228	2431416	16.491	ng/ul 96
85) Benzo(b)fluoranthene	23.06	252	3066103	16.372	ng/ul# 94
86) Benzo(k)fluoranthene	23.10	252	962230m	5.459	ng/ul
88) Benzo(a)pyrene	23.66	252	1177250	6.593	ng/ul# 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.11	276	1446724	6.884	ng/ul#	94
90) Dibenzo(a,h)anthracene	26.12	278	403020	2.262	ng/ul#	76
91) Benzo(g,h,i)perylene	26.84	276	1150337	6.754	ng/ul#	90

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

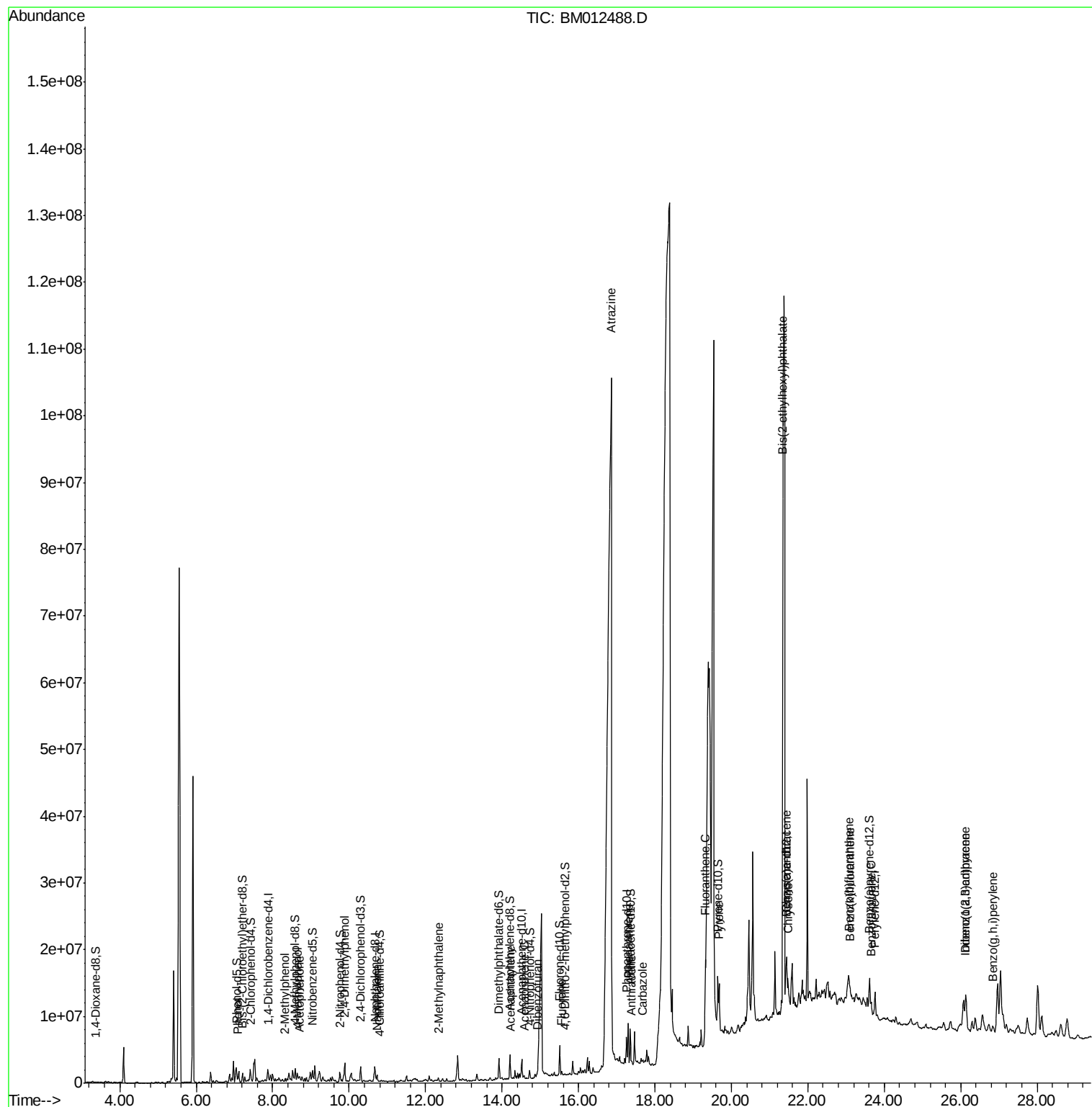
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BM102717\
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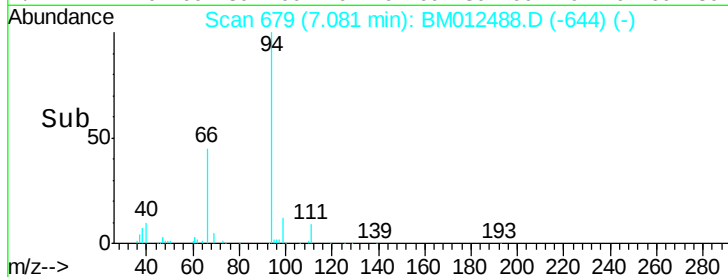
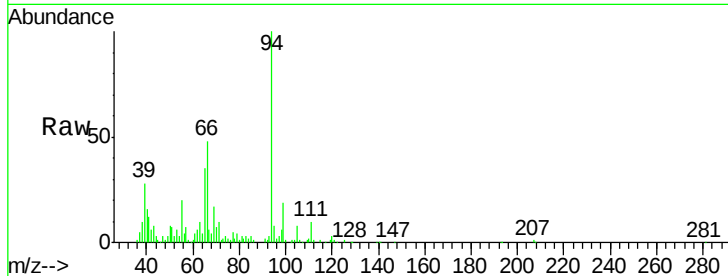
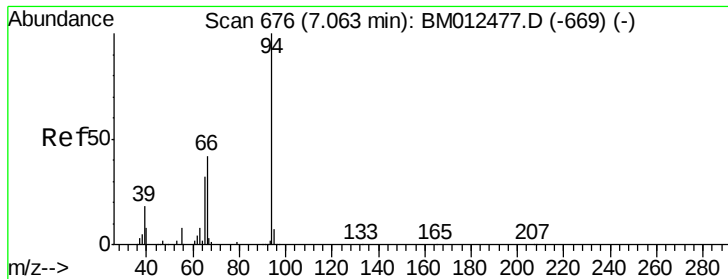
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#6

Phenol

Concen: 4.490 ng/ul

RT: 7.08 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Tot Ion:	94	Resp:	174200
Ion Ratio	Lower	Upper	
94	100		
65	34.6	28.2	42.4
66	47.9	47.2	70.8

Instrument :

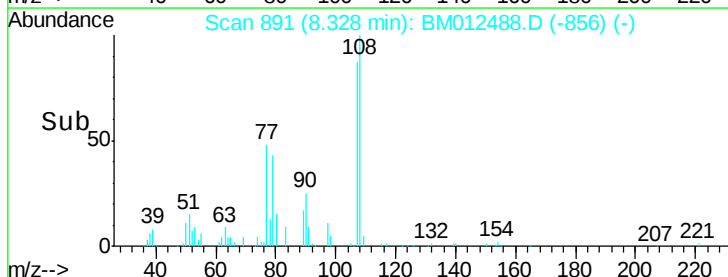
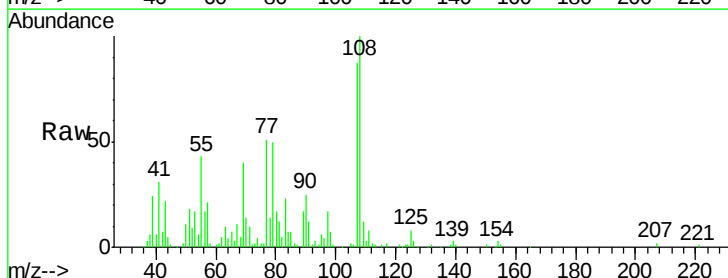
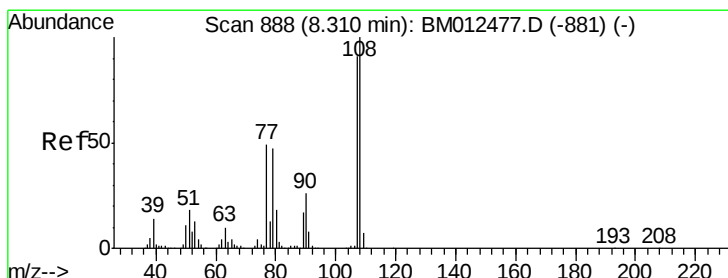
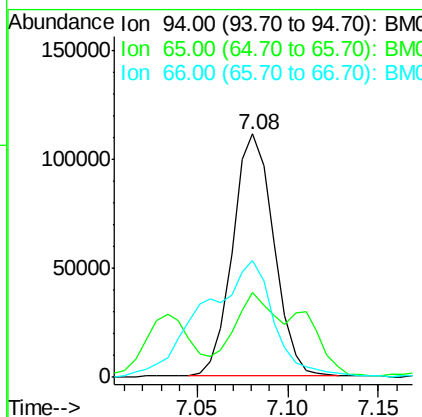
BNA_M

ClientSampleId :

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#11

2-Methylphenol

Concen: 3.989 ng/ul

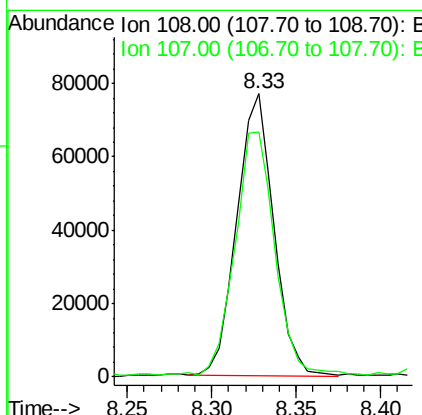
RT: 8.33 min Scan# 891

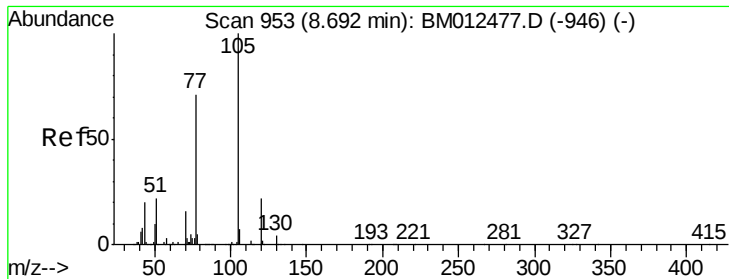
Delta R.T. 0.01 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Tgt Ion:	108	Resp:	116702
Ion Ratio	Lower	Upper	
108	100		
107	86.6	72.6	108.8





#14

Acetophenone

Concen: 9.849 ng/ul

RT: 8.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Instrument :

BNA_M

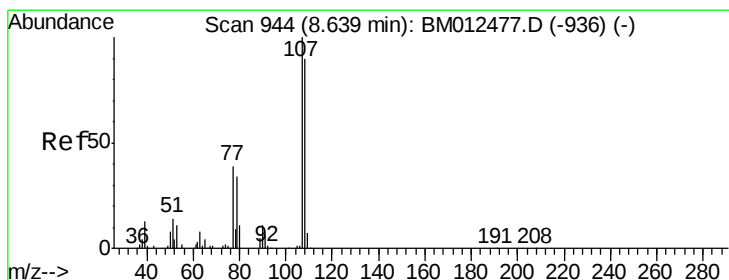
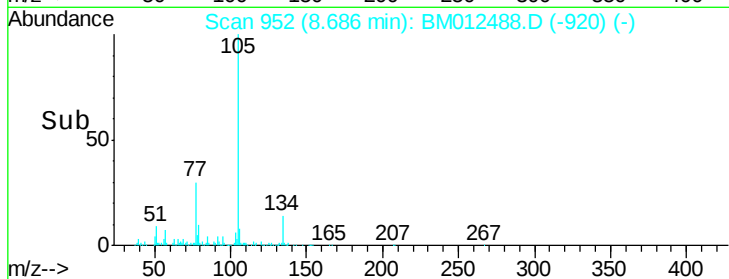
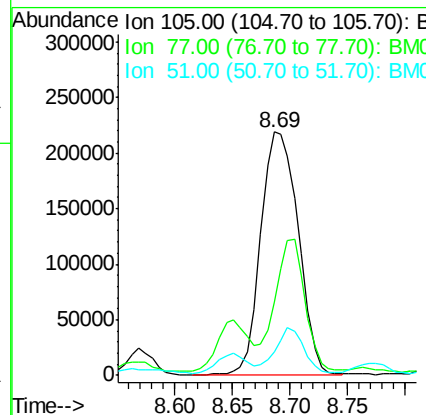
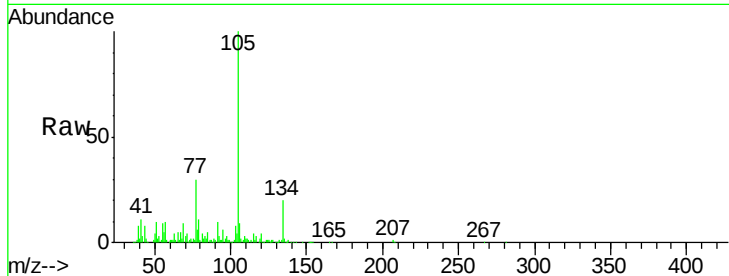
ClientSampleId :

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Tot Ion:	105	Resp:	492839
Ion Ratio		Lower	Upper
105	100		
77	30.3	74.2	111.4#
51	9.9	23.4	35.2#

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#16

4-Methylphenol

Concen: 5.890 ng/ul

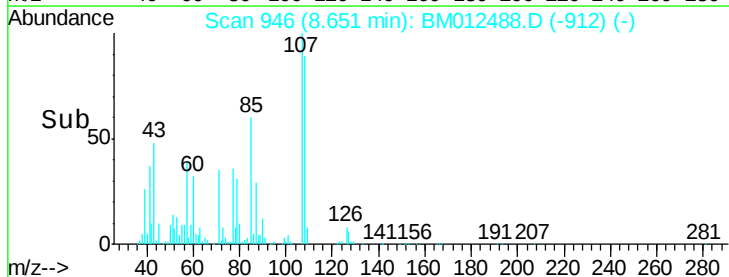
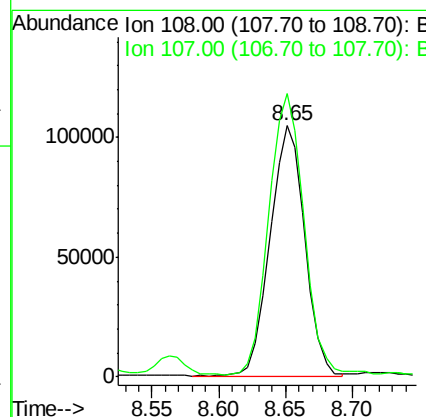
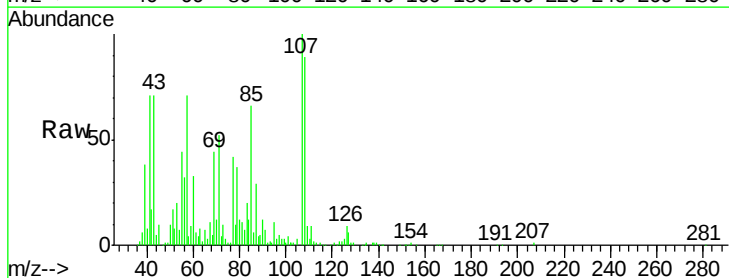
RT: 8.65 min Scan# 946

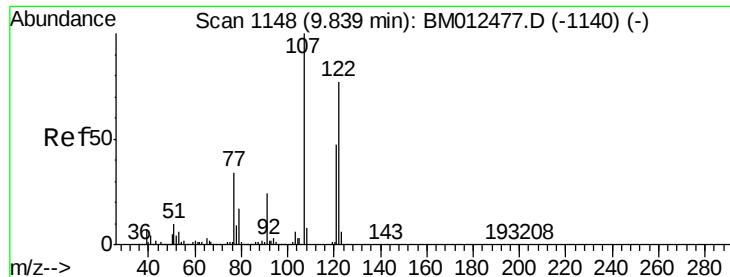
Delta R.T. -0.00 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Tgt Ion:	108	Resp:	188601
Ion Ratio		Lower	Upper
108	100		
107	112.8	84.9	127.3





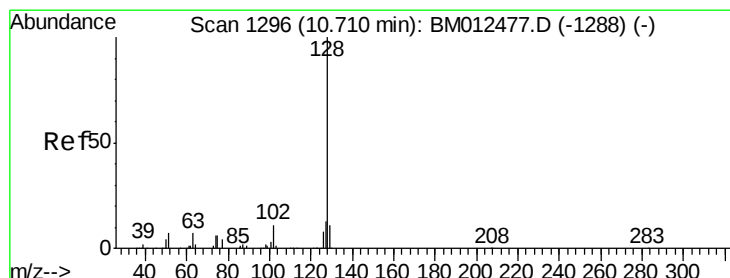
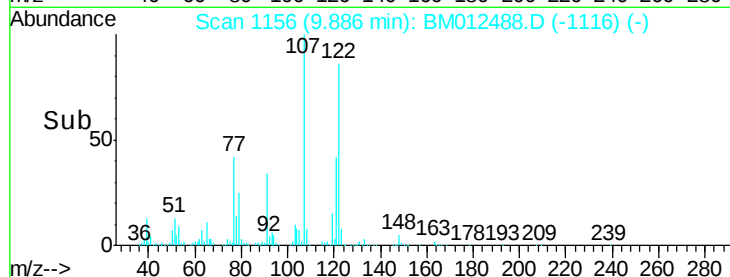
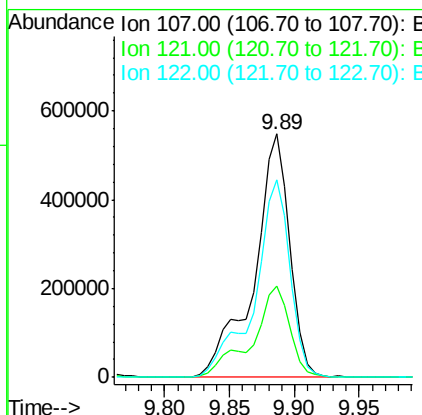
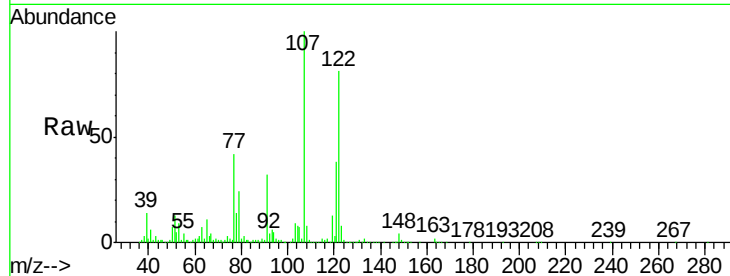
#24
2,4-Dimethylphenol
Concen: 31.298 ng/ul m
RT: 9.89 min Scan# 1156
Delta R.T. 0.04 min
Lab File: BM012488.D
Acq: 27 Oct 2017 16:07

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B-13(1-3) 101117

Tot Ion	Ratio	Lower	Upper
107	100		
121	37.7	31.9	47.9
122	81.0	57.8	86.6

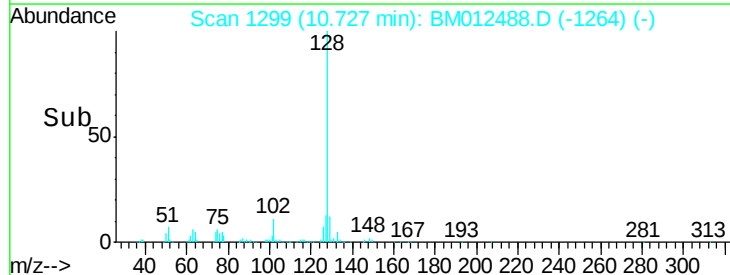
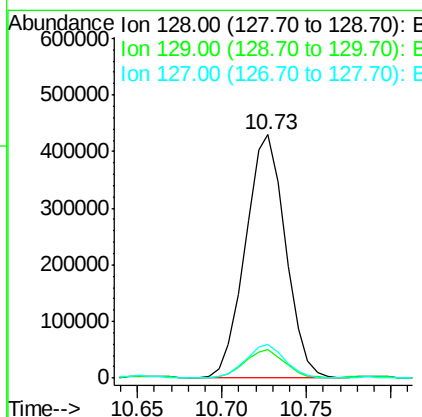
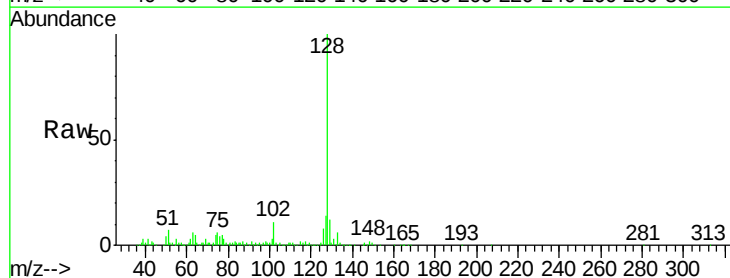
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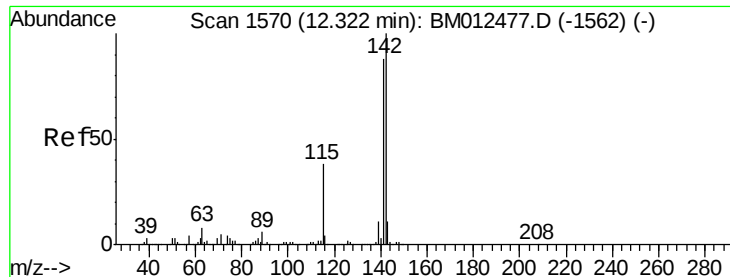
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#28
Naphthalene
Concen: 8.637 ng/ul
RT: 10.73 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BM012488.D
Acq: 27 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	13.7	10.6	16.0





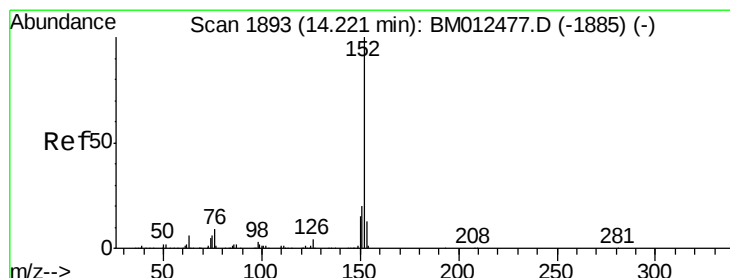
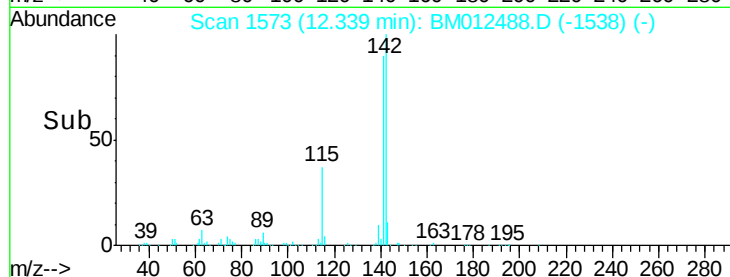
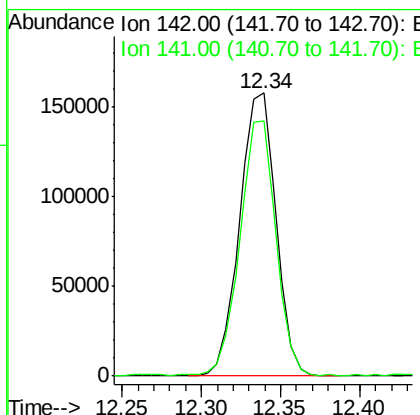
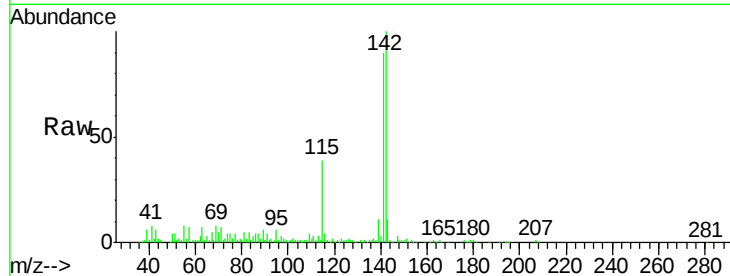
#34
 2-Methylnaphthalene
 Concen: 3.789 ng/ul
 RT: 12.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BM012488.D
 Acq: 27 Oct 2017 16:07

Instrument :
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Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	74.1	111.1

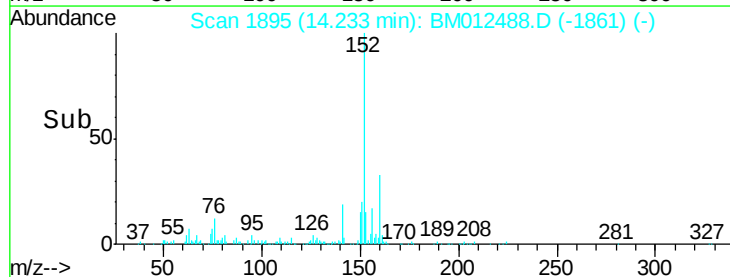
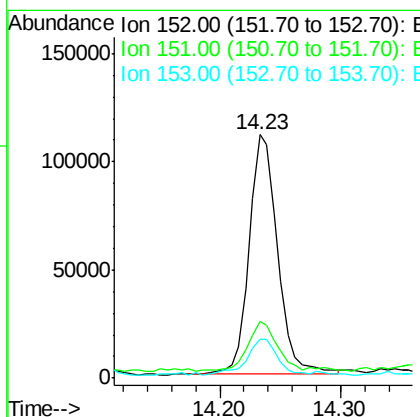
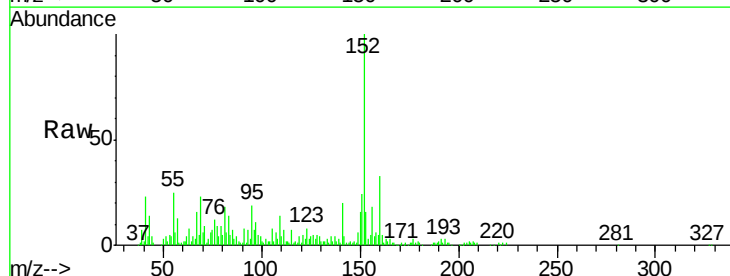
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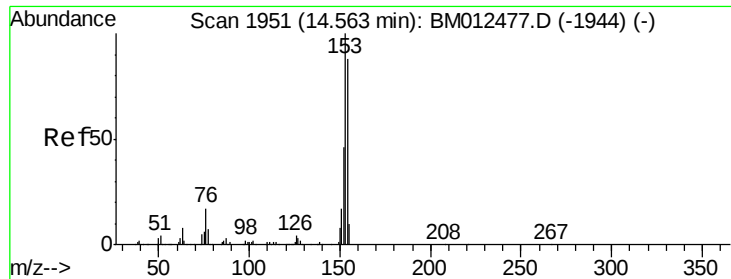
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#47
 Acenaphthylene
 Concen: 2.004 ng/ul
 RT: 14.23 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: BM012488.D
 Acq: 27 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.5	16.3	24.5
153	15.8	10.2	15.4#





#49

Acenaphthene

Concen: 1.845 ng/ul

RT: 14.57 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Instrument :

BNA_M

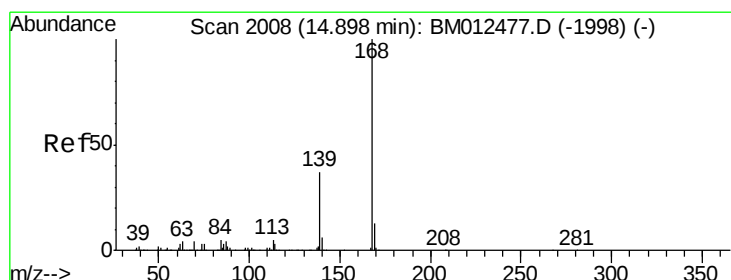
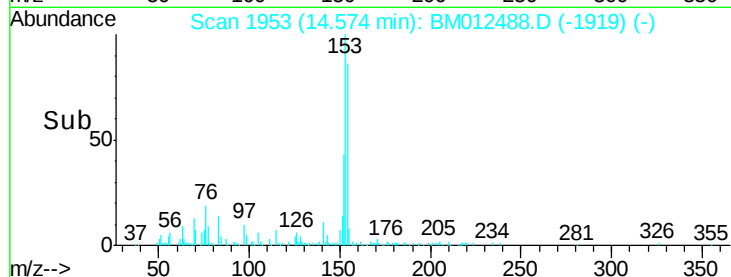
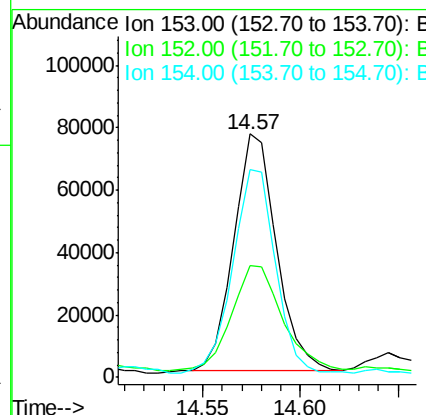
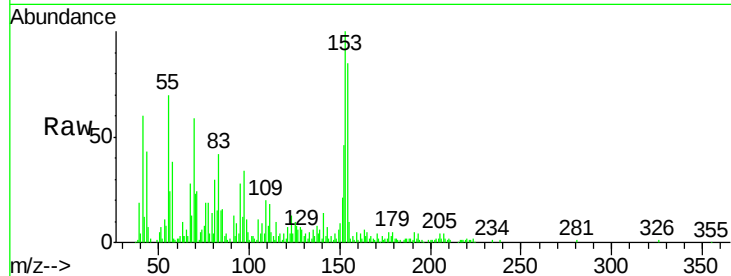
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Tot Ion:	153	Resp:	115214
Ion Ratio	Lower	Upper	
153	100		
152	46.2	37.6	56.4
154	85.3	70.4	105.6

Manual Integrations
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#53

Dibenzofuran

Concen: 2.255 ng/ul

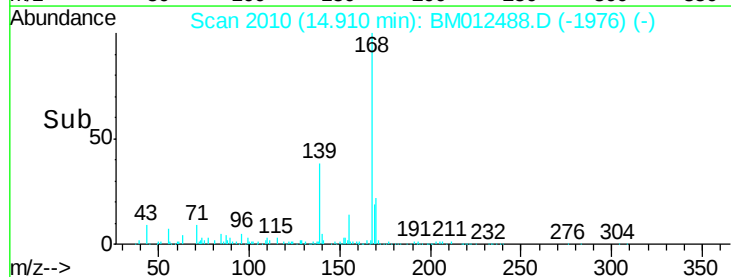
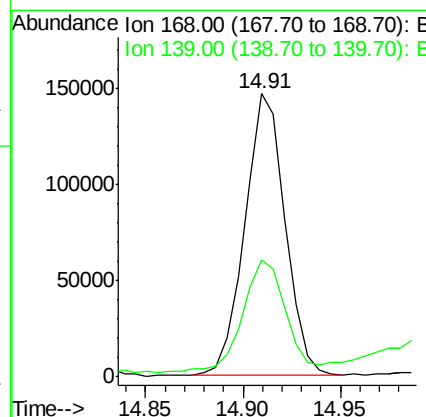
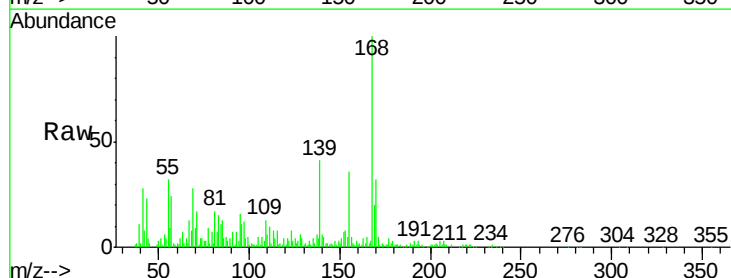
RT: 14.91 min Scan# 2010

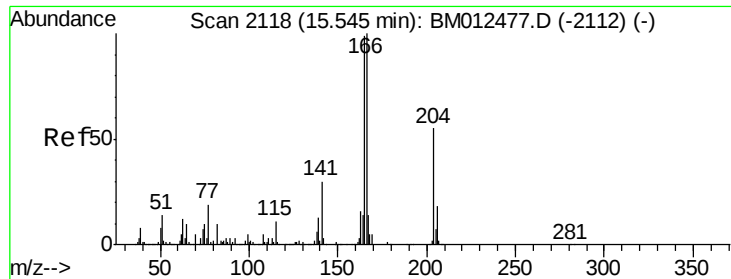
Delta R.T. -0.00 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Tgt Ion:	168	Resp:	208428
Ion Ratio	Lower	Upper	
168	100		
139	41.2	30.8	46.2





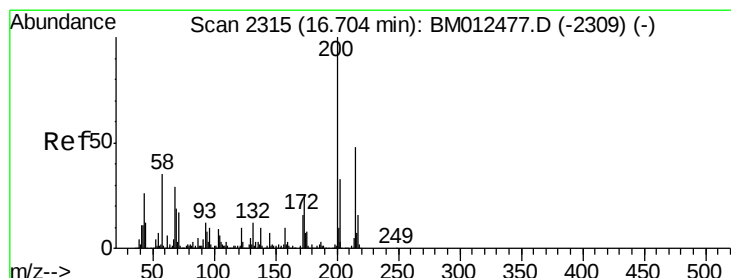
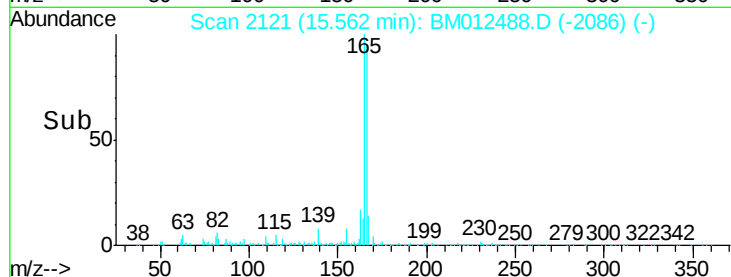
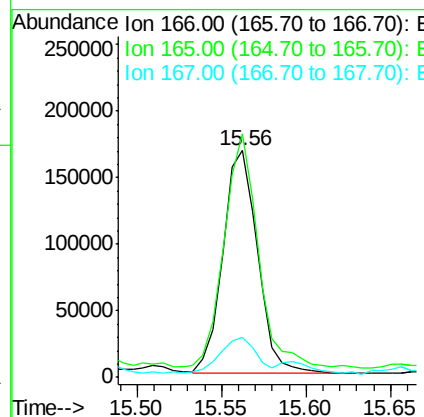
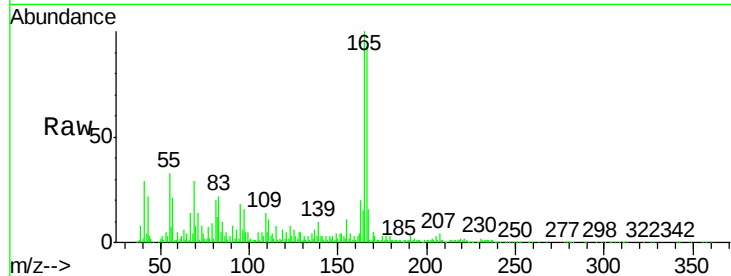
#58
 Fluorene
 Concen: 3.077 ng/ul
 RT: 15.56 min Scan# 2121
 Delta R.T. 0.01 min
 Lab File: BM012488.D
 Acq: 27 Oct 2017 16:07

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Tot Ion	Ratio	Lower	Upper
166	100		
165	107.4	77.9	116.9
167	17.6	10.6	16.0

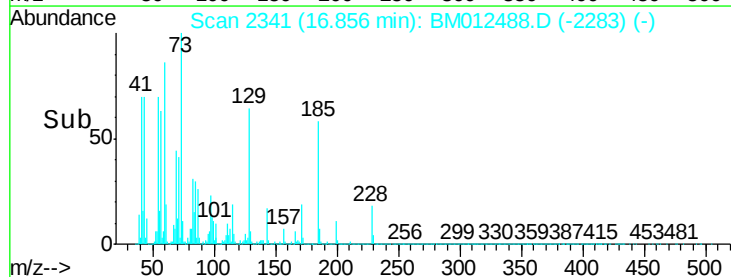
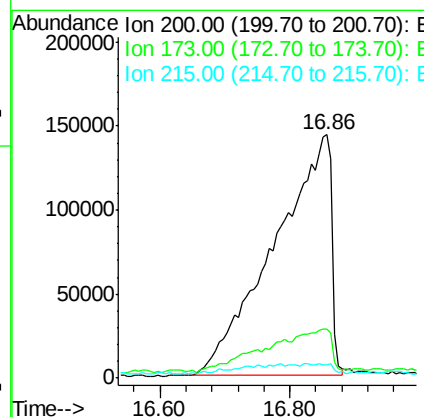
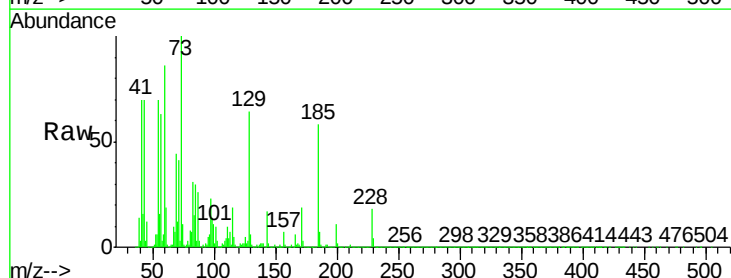
Manual Integrations
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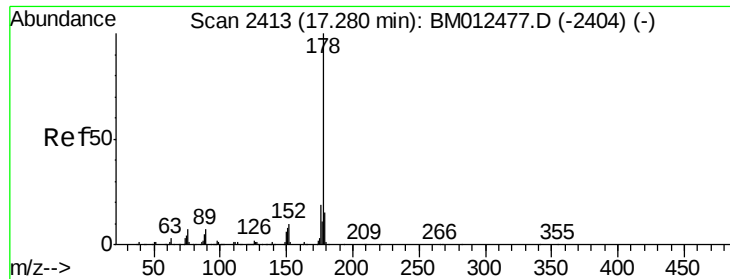
Sohil
 10/30/2017 6:30:19 PM



#67
 Atrazine
 Concen: 33.247 ng/ul
 RT: 16.86 min Scan# 2341
 Delta R.T. 0.14 min
 Lab File: BM012488.D
 Acq: 27 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
200	100		
173	20.3	18.2	27.2
215	5.5	35.0	52.4





#69

Phenanthrene

Concen: 32.483 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. 0.01 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Instrument :

BNA_M

ClientSampleId :

B-13(1-3) 101117

Tot Ion:178 Resp: 3678939

Ion Ratio Lower Upper

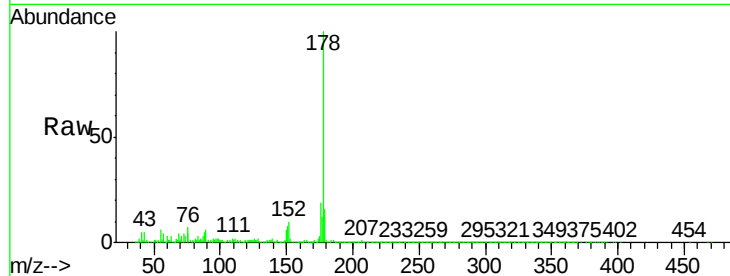
178 100

179 15.7 12.6 19.0

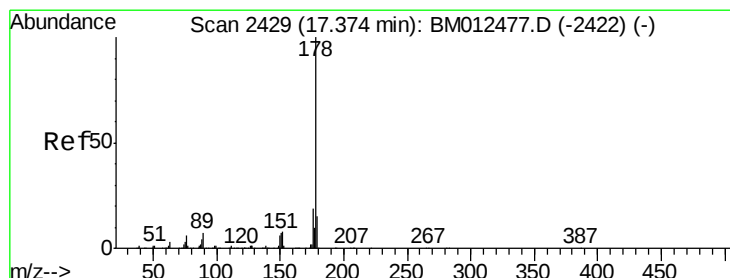
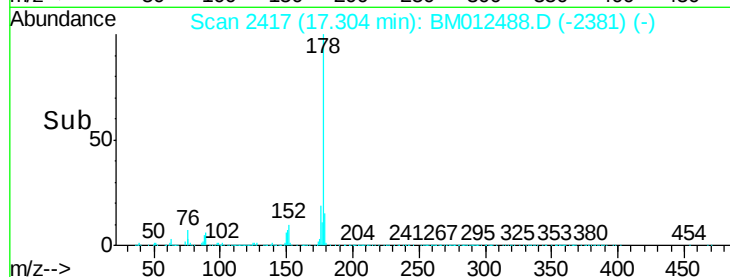
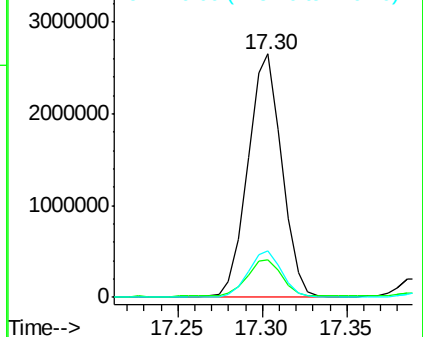
176 19.0 14.9 22.3

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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: 2.538 ng/ul m

RT: 17.39 min Scan# 2432

Delta R.T. 0.01 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

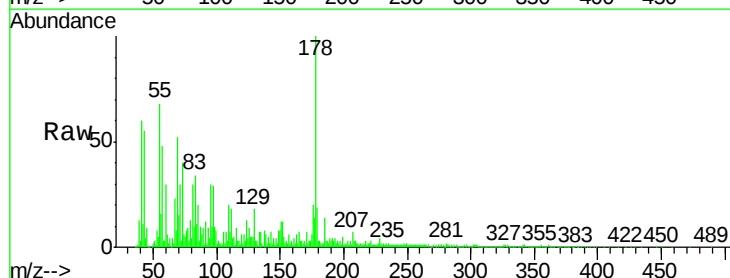
Tgt Ion:178 Resp: 297101

Ion Ratio Lower Upper

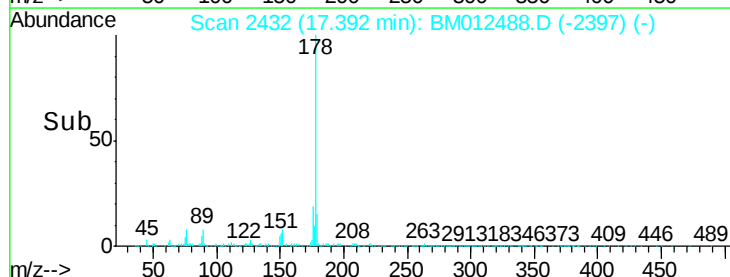
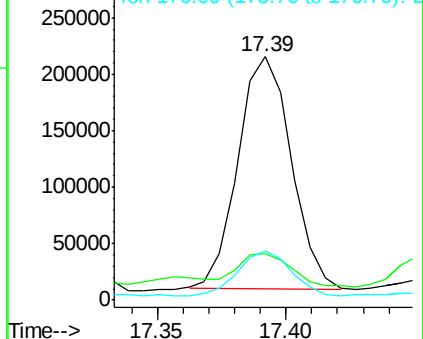
178 100

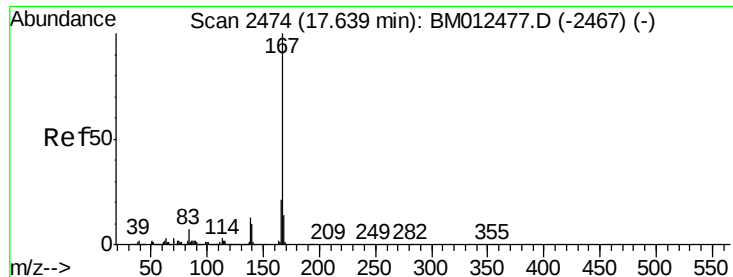
179 19.2 11.7 17.5#

176 20.2 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: 1.334 ng/ul

RT: 17.66 min Scan# 2478

Delta R.T. 0.01 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Instrument :

BNA_M

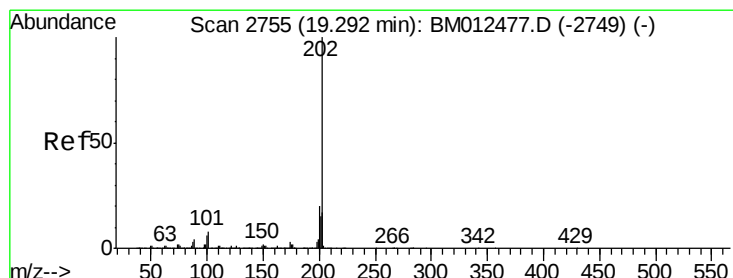
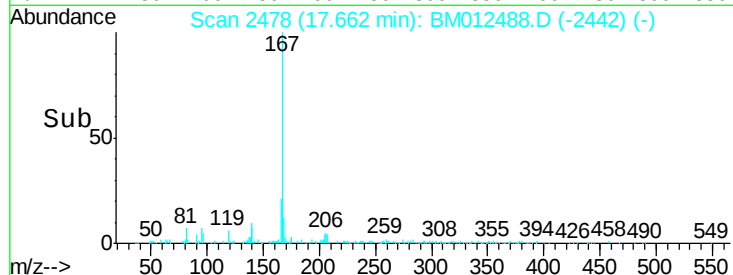
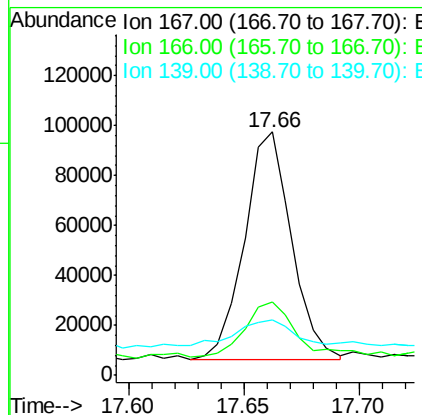
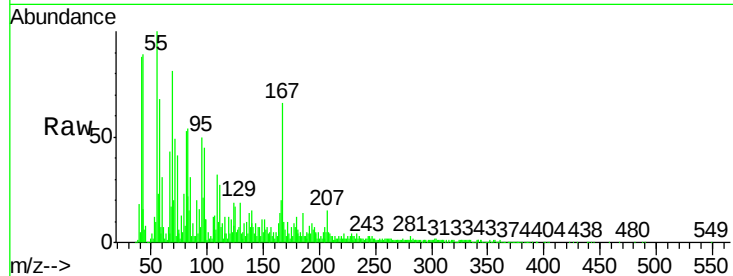
ClientSampleId :

B-13(1-3) 101117

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	29.9		17.1	25.7#	
139	22.6		10.0	15.0#	

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#74

Fluoranthene

Concen: 37.720 ng/ul

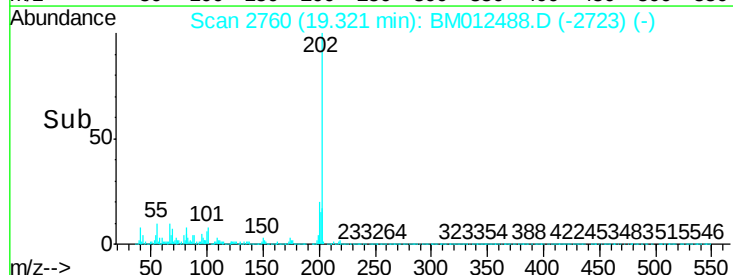
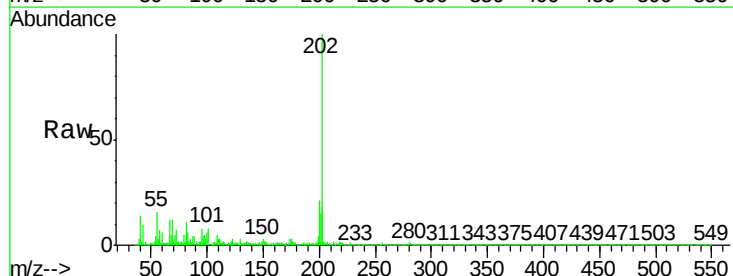
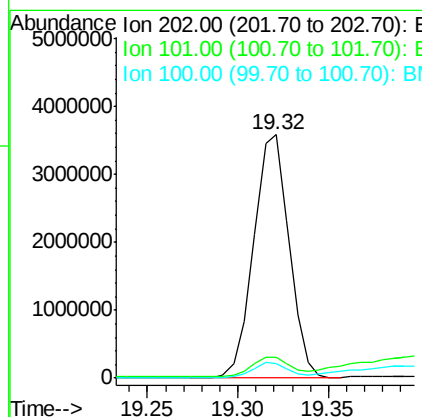
RT: 19.32 min Scan# 2760

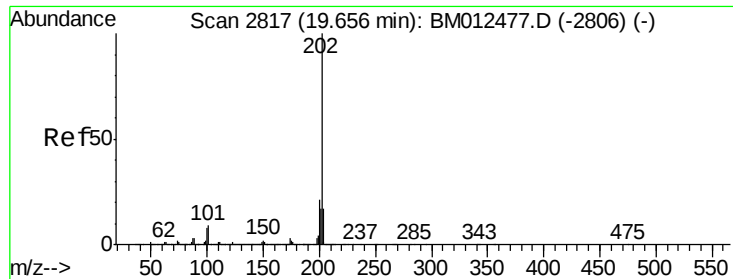
Delta R.T. 0.02 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	8.4		4.6	7.0#	
100	6.2		3.4	5.2#	





#77

Pvrene

Concen: 26.086 ng/ul

RT: 19.68 min Scan# 2821

Delta R.T. 0.02 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Instrument :

BNA_M

ClientSampleId :

B-13(1-3) 101117

Tot Ion:202 Resp: 4107848

Ion Ratio Lower Upper

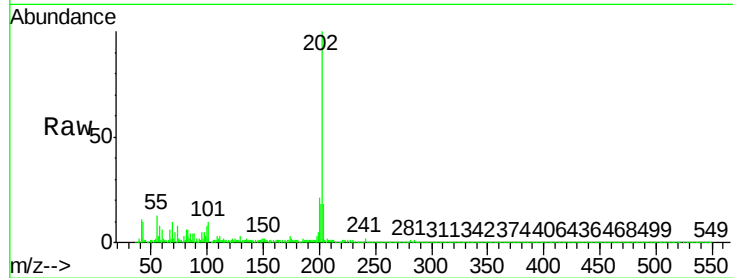
202 100

101 10.3 5.1 7.7#

100 8.2 4.9 7.3#

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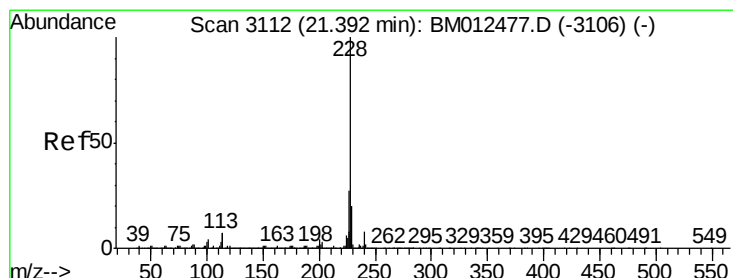
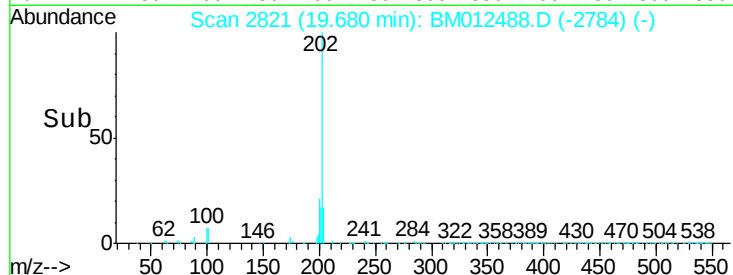
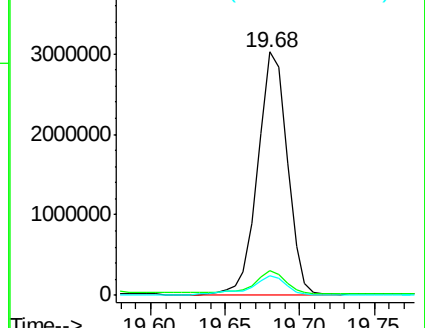
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 10.777 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. 0.02 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

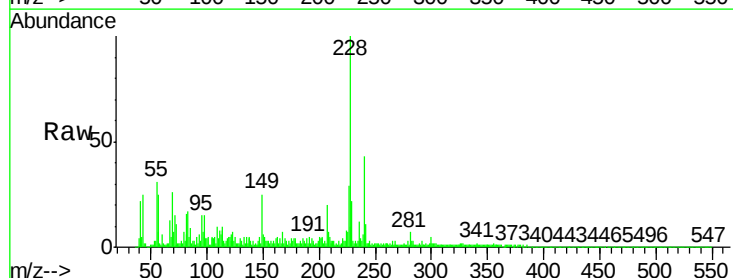
Tgt Ion:228 Resp: 1787052

Ion Ratio Lower Upper

228 100

229 22.4 15.4 23.0

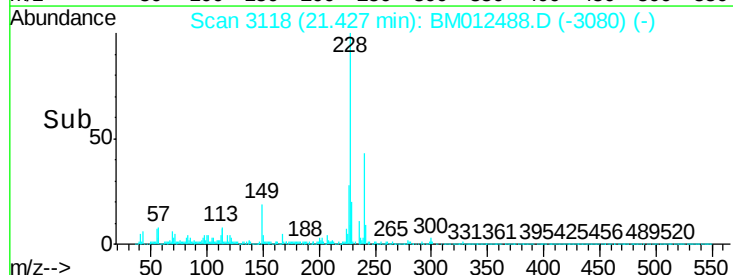
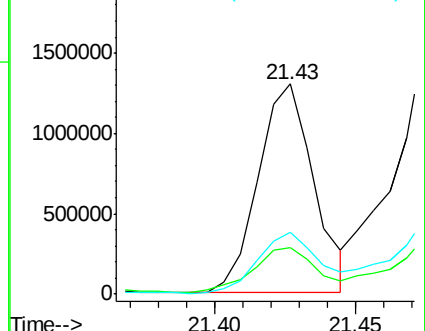
226 29.5 21.4 32.0

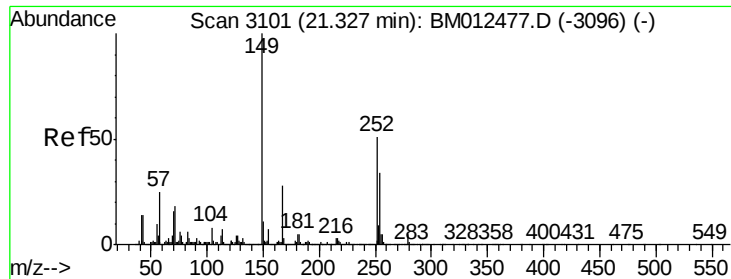


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 338.930 ng/ul

RT: 21.34 min Scan# 3104

Delta R.T. 0.01 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Instrument :

BNA_M

ClientSampleId :

B-13(1-3)_101117

Tot Ion:149 Resp:31992717

Ion Ratio Lower Upper

149 100

167 61.1 22.8 34.2#

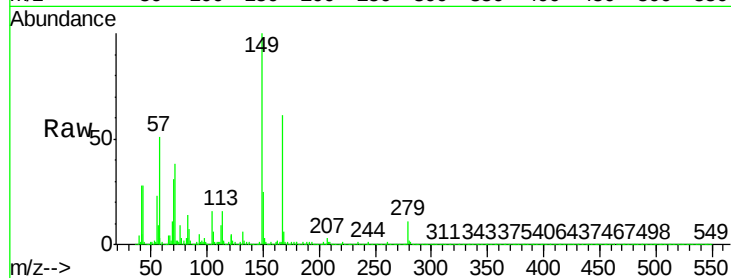
279 10.9 4.9 7.3#

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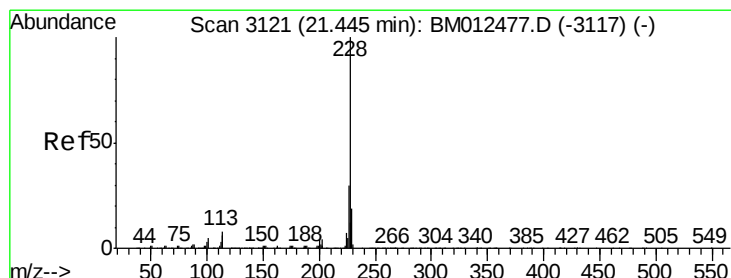
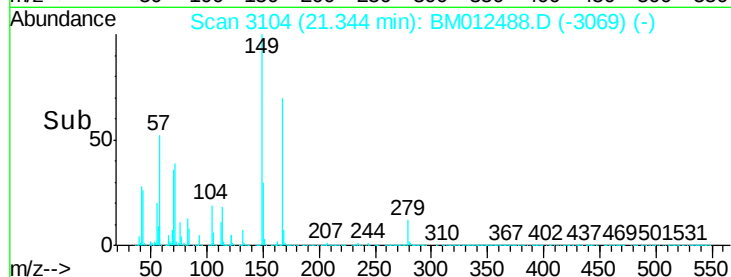
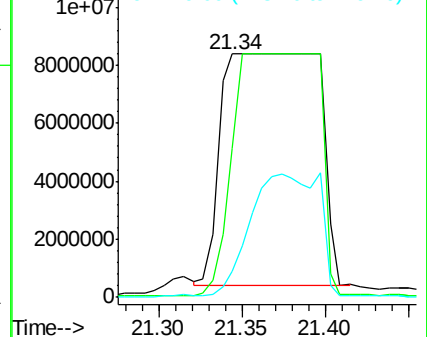
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 16.491 ng/ul

RT: 21.48 min Scan# 3127

Delta R.T. 0.02 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

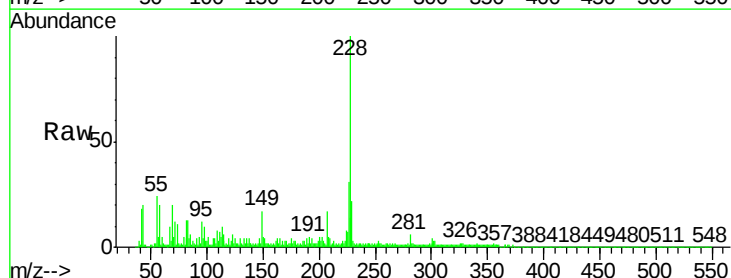
Tgt Ion:228 Resp: 2431416

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

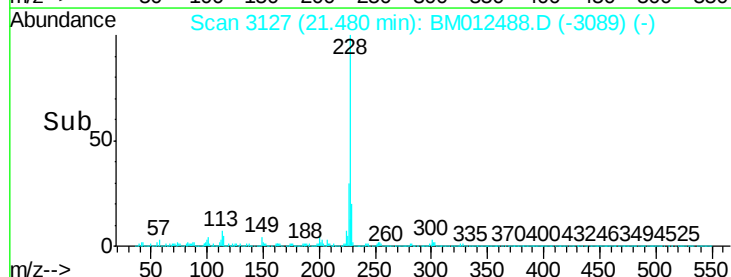
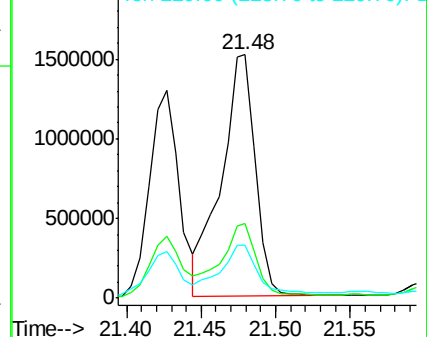
229 21.6 15.5 23.3

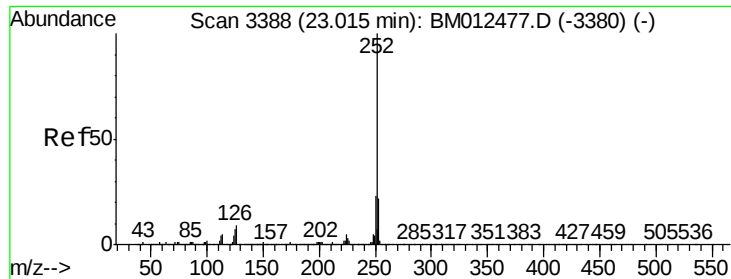


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





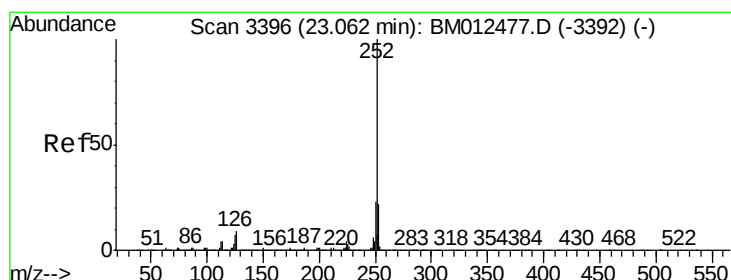
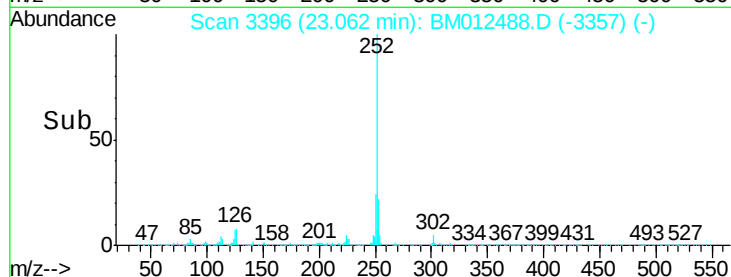
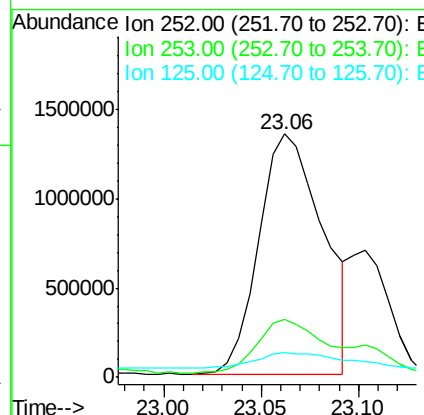
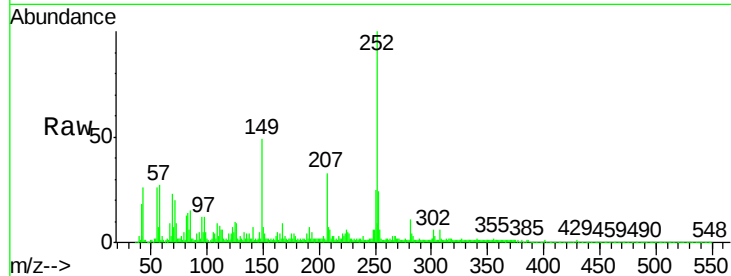
#85
Benzo(b)fluoranthene
Concen: 16.372 ng/ul
RT: 23.06 min Scan# 3396
Delta R.T. 0.03 min
Lab File: BM012488.D
Acq: 27 Oct 2017 16:07

Instrument :
BNA_M
ClientSampleId :
B-13(1-3)_101117

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	10.1	3.6	5.4#

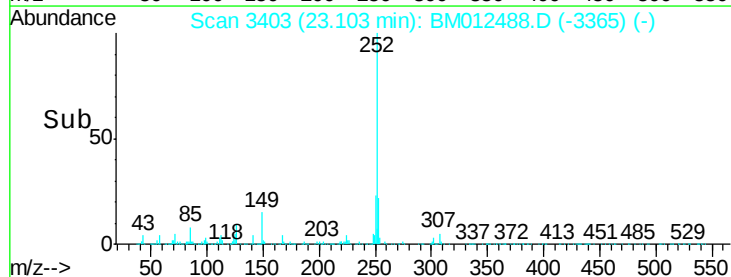
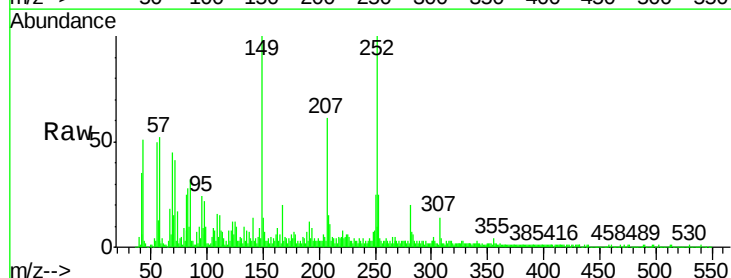
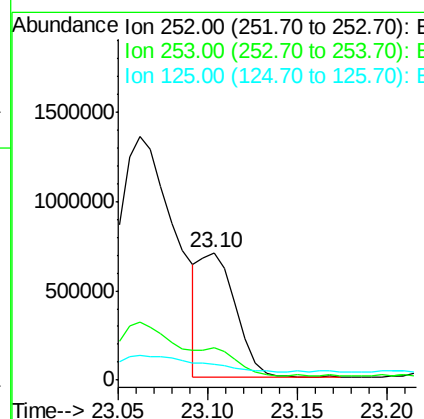
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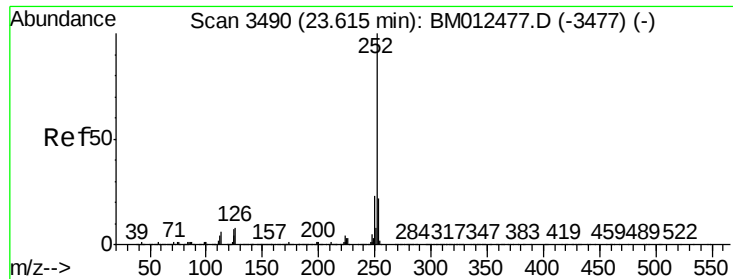
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#86
Benzo(k)fluoranthene
Concen: 5.459 ng/ul m
RT: 23.10 min Scan# 3403
Delta R.T. 0.02 min
Lab File: BM012488.D
Acq: 27 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	12.2	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 6.593 ng/ul

RT: 23.66 min Scan# 3497

Delta R.T. 0.03 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Instrument :

BNA_M

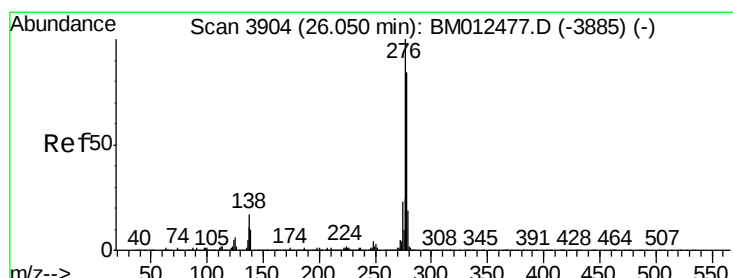
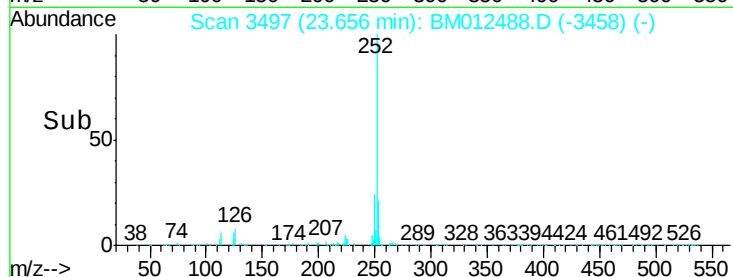
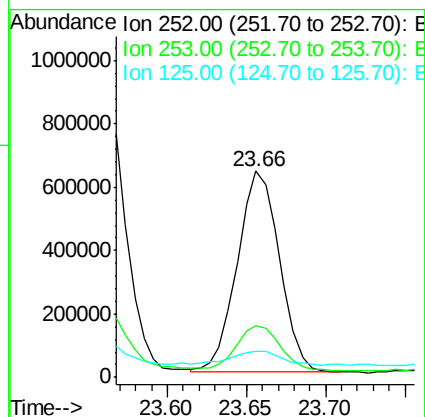
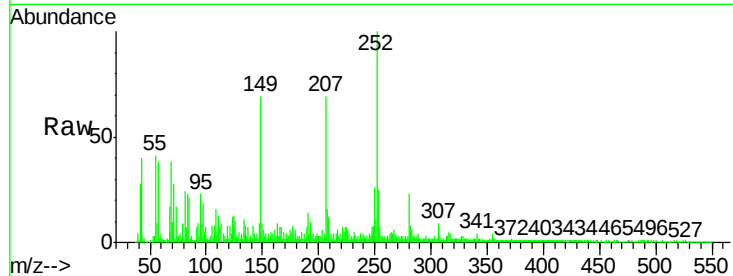
ClientSampleId :

B-13(1-3) 101117

Tot Ion:	252	Resp:	1177250
Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	12.7	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 6.884 ng/ul

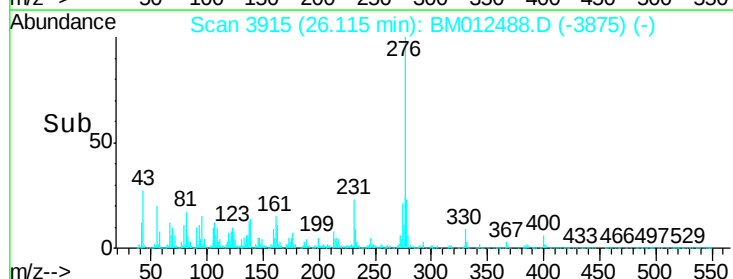
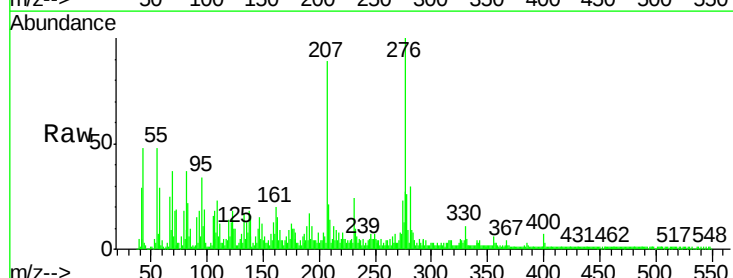
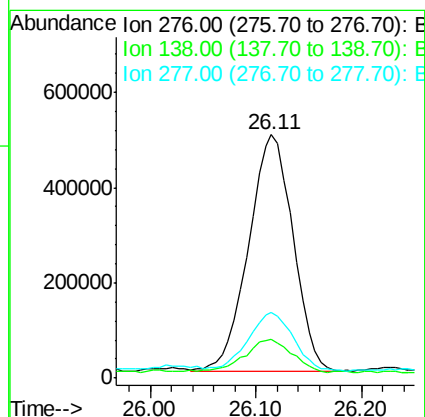
RT: 26.11 min Scan# 3915

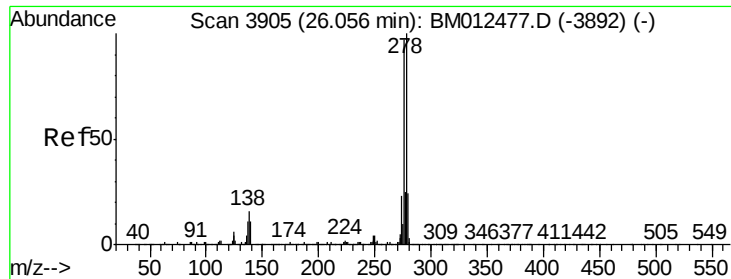
Delta R.T. 0.04 min

Lab File: BM012488.D

Acq: 27 Oct 2017 16:07

Tgt Ion:	276	Resp:	1446724
Ion	Ratio	Lower	Upper
276	100		
138	15.8	9.3	13.9#
277	27.1	19.9	29.9





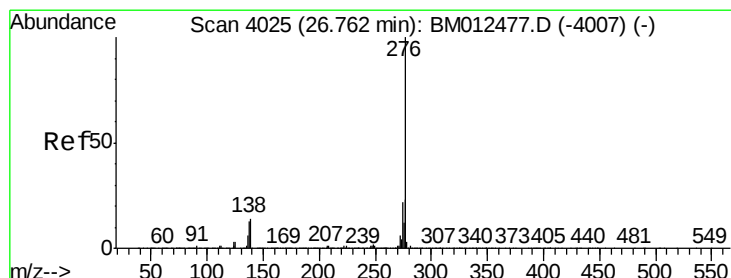
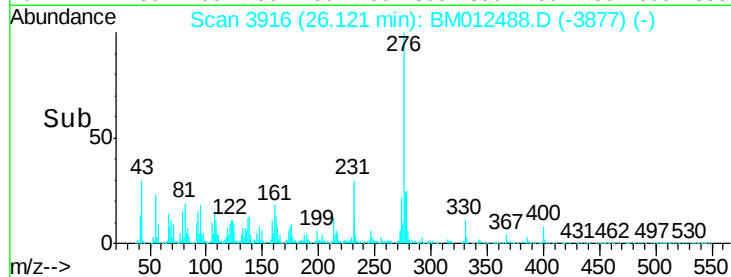
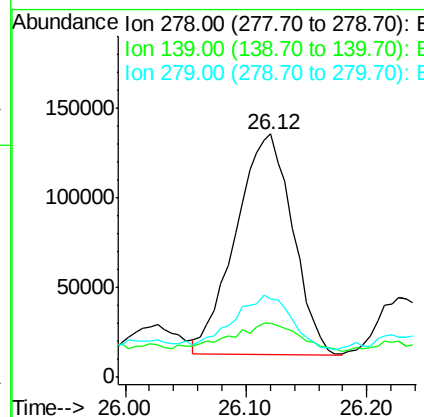
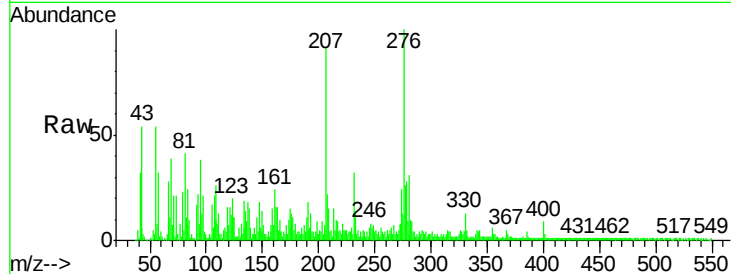
#90
Dibenzo(a,h)anthracene
Concen: 2.262 ng/ul
RT: 26.12 min Scan# 3916
Delta R.T. 0.03 min
Lab File: BM012488.D
Acq: 27 Oct 2017 16:07

Instrument :
BNA_M
ClientSampleId :
B-13(1-3)_101117

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.3	5.8	8.8#
279	32.0	18.6	27.8#

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#91
Benzo(g,h,i)perylene
Concen: 6.754 ng/ul
RT: 26.84 min Scan# 4039
Delta R.T. 0.05 min
Lab File: BM012488.D
Acq: 27 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	8.5	12.7#
277	27.3	18.6	28.0

