

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
 Data File : BM012836.D
 Acq On : 09 Nov 2017 00:06
 Operator : SJ/JU
 Sample : I5955-14 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-6(5-5.5)-101717

Manual Integrations
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 11/9/2017 3:48:56 PM

Quant Time: Nov 09 04:51:57 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 03:48:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	135221	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	523350	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	289004	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	581707	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	608861	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	708234	20.00	ng/ul	0.02

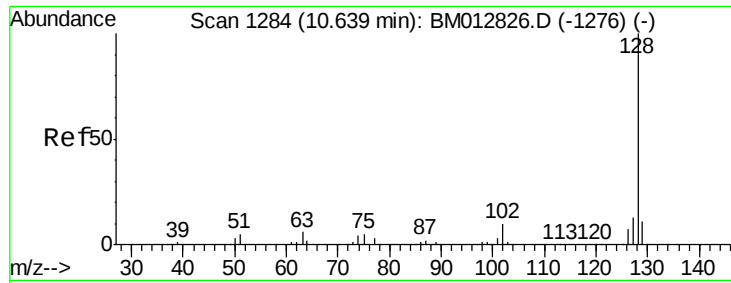
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	1131	0.45	ng/uL	0.00
5) Phenol-d5	6.98	99	27069	2.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	15340	2.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	24797	2.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	24071	2.77	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	10800	2.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	11968	2.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	24594	2.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	11673	1.33	ng/ul	0.01
43) Dimethylphthalate-d6	13.84	166	80214	3.35	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	92886	3.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	7846	2.05	ng/ul	0.02
57) Fluorene-d10	15.43	176	68405	3.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	2413	0.63	ng/ul	0.02
70) Anthracene-d10	17.29	188	99785	3.55	ng/ul	0.00
78) Pyrene-d10	19.58	212	100964	3.57	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	120625	3.60	ng/ul	0.01

Target Compounds

					Qvalue	
28) Naphthalene	10.64	128	498063	19.036	ng/ul	99
34) 2-Methylnaphthalene	12.26	142	198834	9.943	ng/ul	100
40) 1,1'-Biphenyl	13.27	154	90477	3.785	ng/ul	98
49) Acenaphthene	14.50	153	302206	15.472	ng/ul	99
53) Dibenzofuran	14.84	168	537852	18.879	ng/ul	92
58) Fluorene	15.49	166	416616	17.604	ng/ul	99
69) Phenanthrene	17.24	178	4883533	153.594	ng/ul	99
71) Anthracene	17.32	178	1189483	36.082	ng/ul	99
74) Carbazole	17.59	167	262088	9.532	ng/ul	98
76) Fluoranthene	19.25	202	4035408	105.618	ng/ul#	94
79) Pyrene	19.62	202	3347103	92.139	ng/ul#	92
82) Benzo(a)anthracene	21.36	228	1417041	38.461	ng/ul	99
84) Chrysene	21.40	228	1195349	35.799	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	1519518m	35.108	ng/ul	
88) Benzo(k)fluoranthene	23.01	252	524703m	12.754	ng/ul	
90) Benzo(a)pyrene	23.56	252	1248926m	30.326	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.97	276	790560	15.927	ng/ul#	84
92) Dibenzo(a,h)anthracene	25.97	278	188458	4.485	ng/ul#	82
93) Benzo(g,h,i)perylene	26.69	276	654386	16.000	ng/ul#	90

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



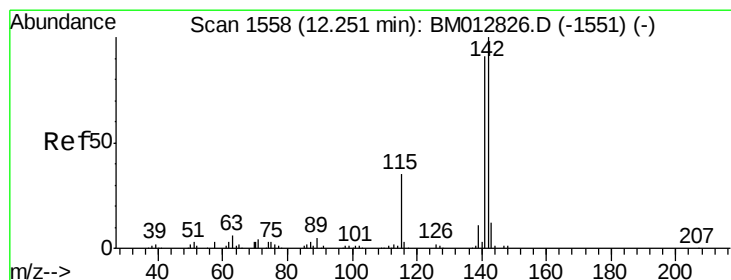
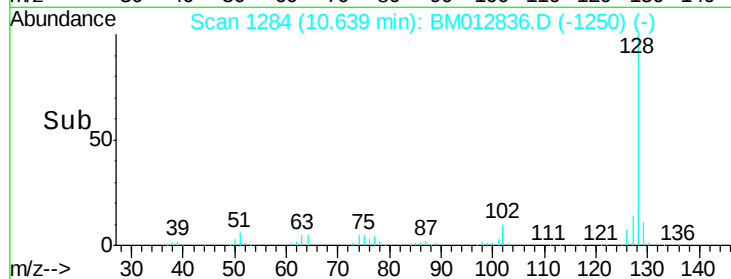
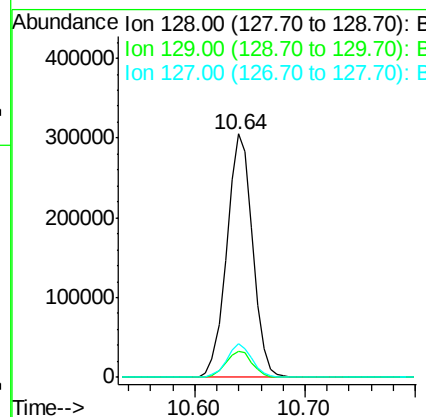
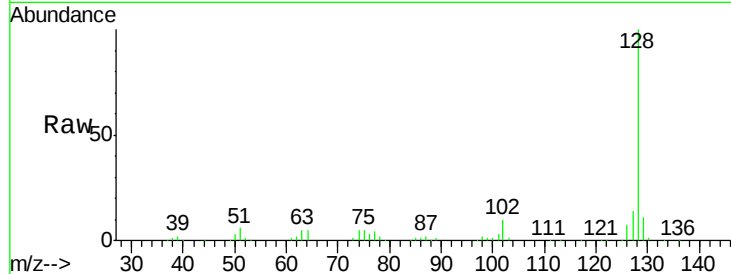
#28
Naphthalene
Concen: 19.036 ng/ul
RT: 10.64 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	498063		
129	10.8		8.8	13.2
127	13.6		10.5	15.7

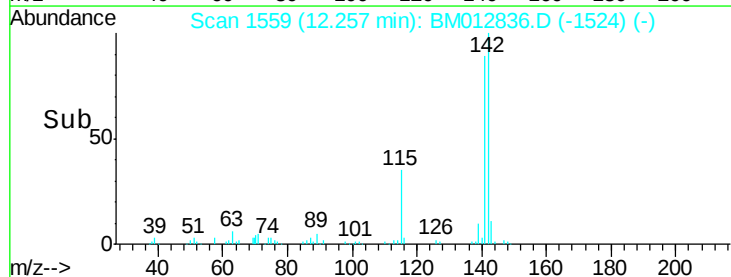
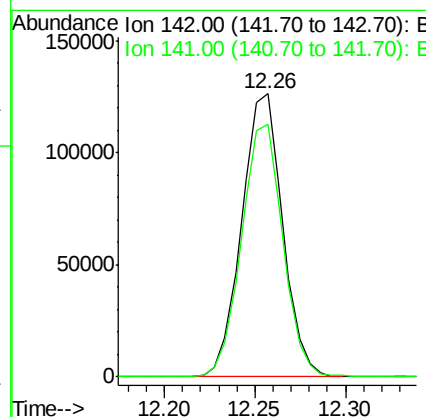
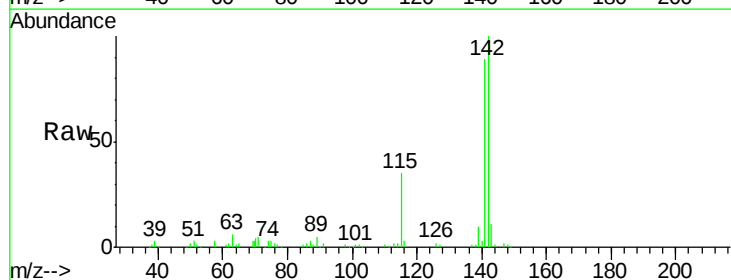
Manual Integrations
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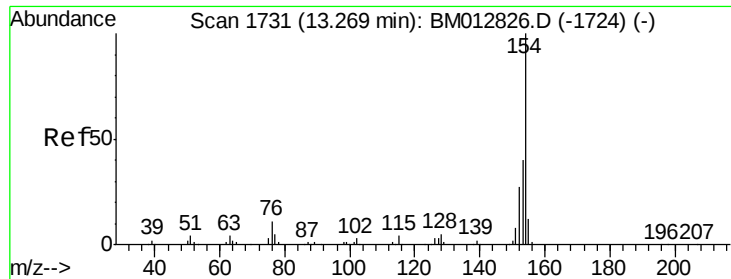
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#34
2-Methylnaphthalene
Concen: 9.943 ng/ul
RT: 12.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	198834		
141	89.4		71.6	107.4





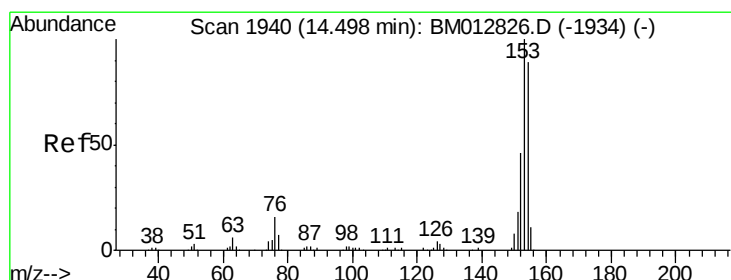
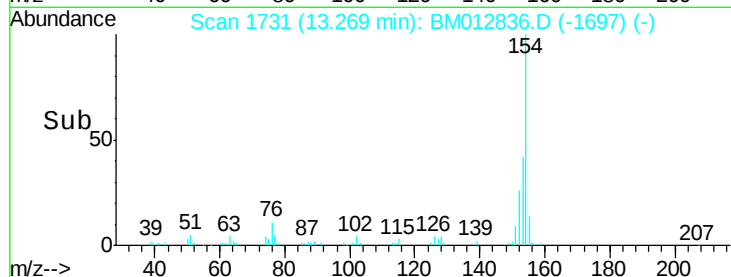
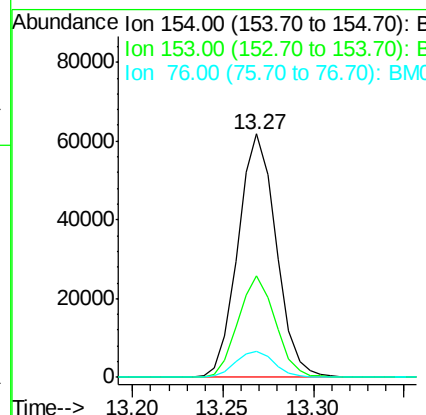
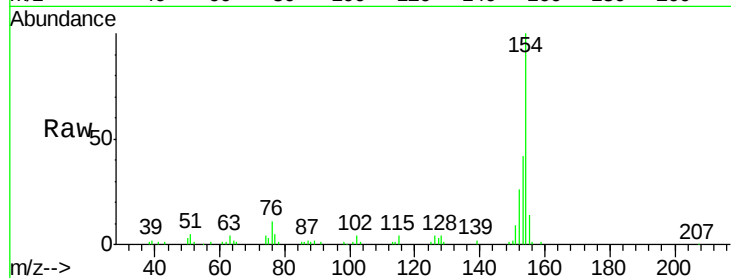
#40
1,1'-Biphenyl
Concen: 3.785 ng/ul
RT: 13.27 min Scan# 1731
Delta R.T. -0.00 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	32.1	48.1
76	10.8	9.5	14.3

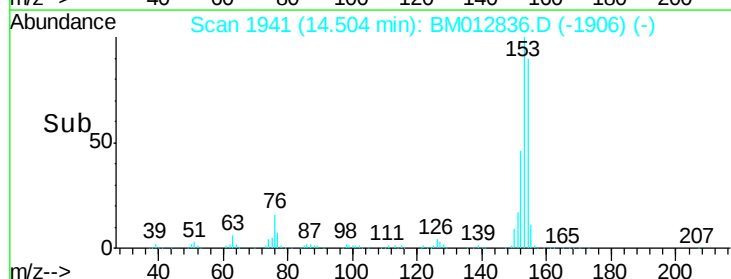
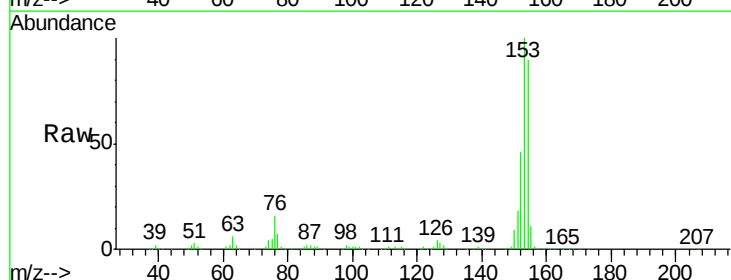
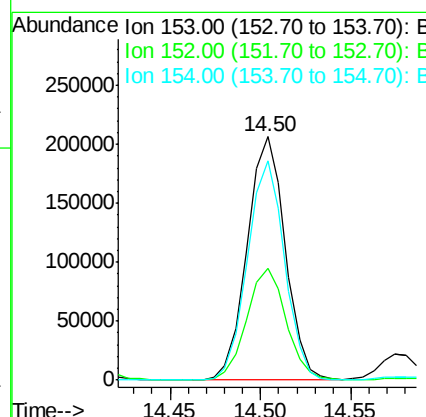
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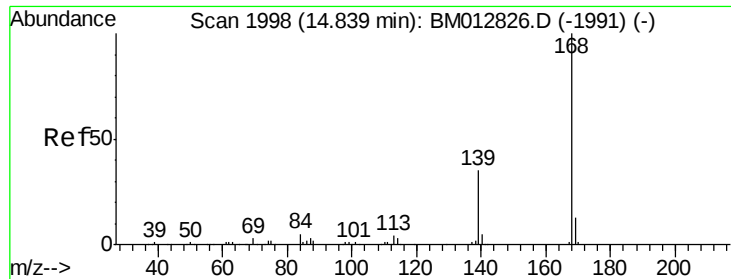
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#49
Acenaphthene
Concen: 15.472 ng/ul
RT: 14.50 min Scan# 1941
Delta R.T. 0.01 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.8	38.3	57.5
154	90.0	71.8	107.8





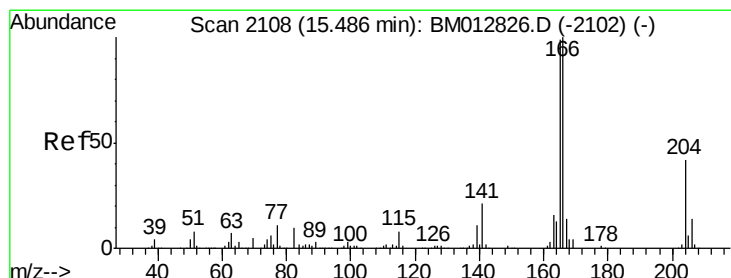
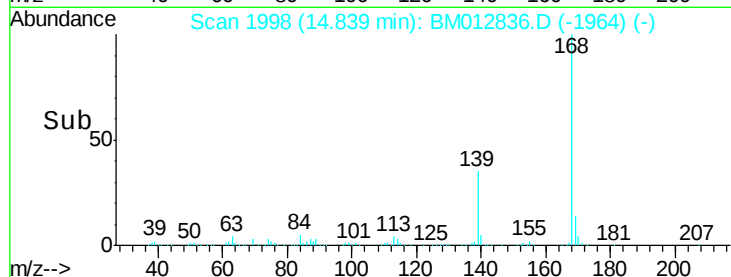
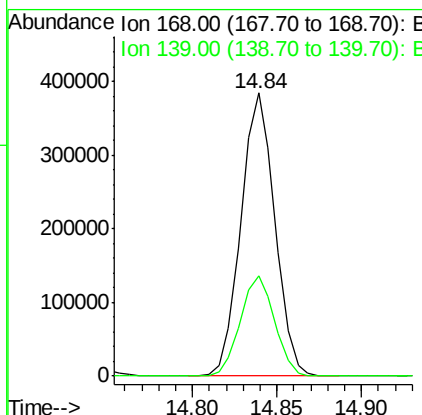
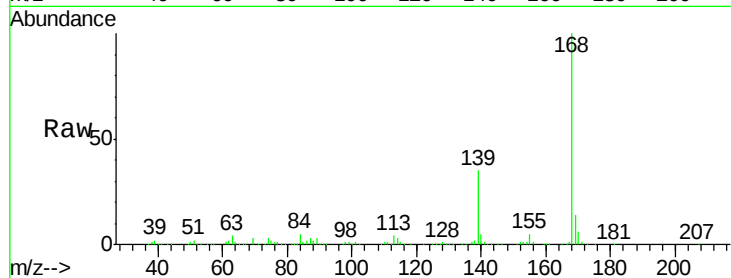
#53
Dibenzenofuran
Concen: 18.879 ng/ul
RT: 14.84 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Tgt Ion:168 Resp: 537852
Ion Ratio Lower Upper
168 100
139 35.2 32.2 48.2

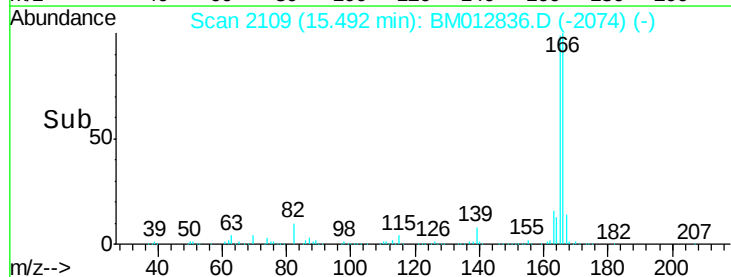
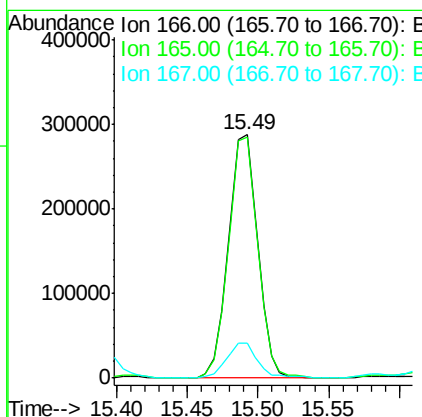
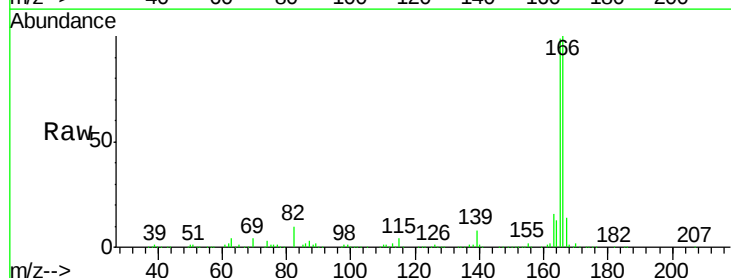
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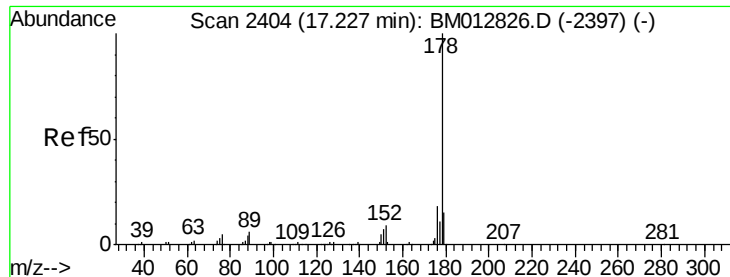
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#58
Fluorene
Concen: 17.604 ng/ul
RT: 15.49 min Scan# 2109
Delta R.T. 0.01 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Tgt Ion:166 Resp: 416616
Ion Ratio Lower Upper
166 100
165 98.8 78.5 117.7
167 14.4 10.7 16.1





#69

Phenanthrene

Concen: 153.594 ng/ul

RT: 17.24 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717

Tgt Ion:178 Resp: 4883533

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

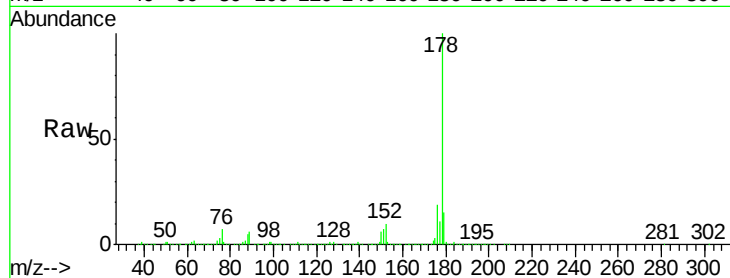
176 19.0 15.6 23.4

Manual Integrations

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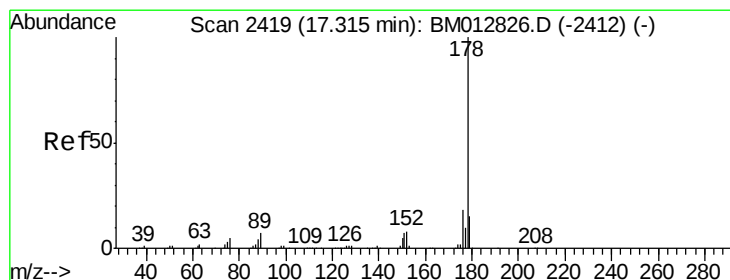
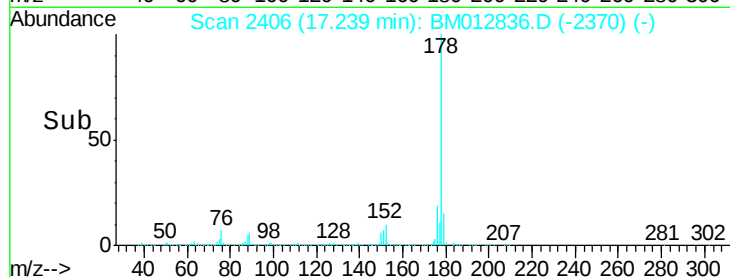
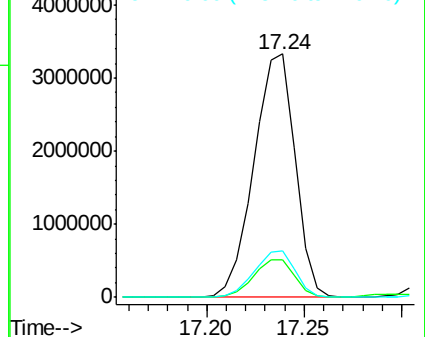
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 36.082 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.01 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

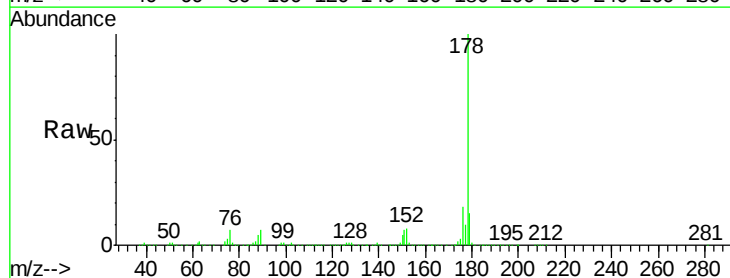
Tgt Ion:178 Resp: 1189483

Ion Ratio Lower Upper

178 100

179 15.1 12.1 18.1

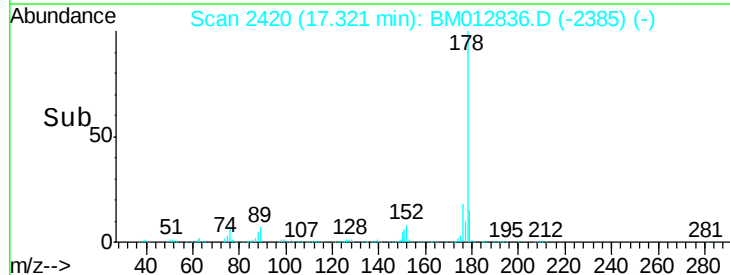
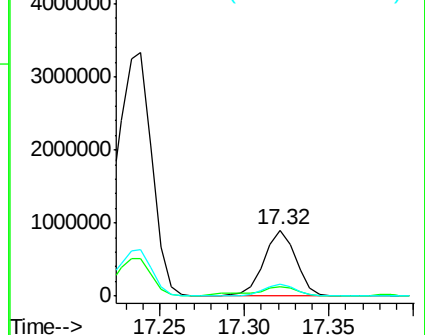
176 18.0 14.8 22.2

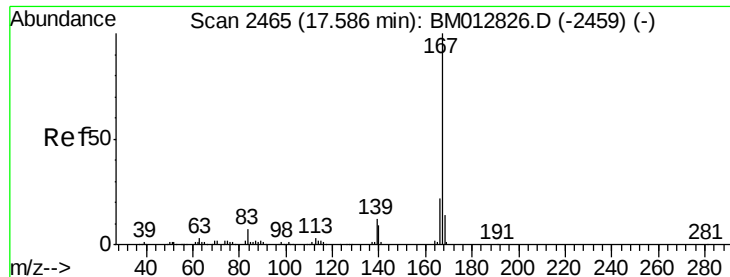


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 9.532 ng/ul

RT: 17.59 min Scan# 2466

Delta R.T. 0.01 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

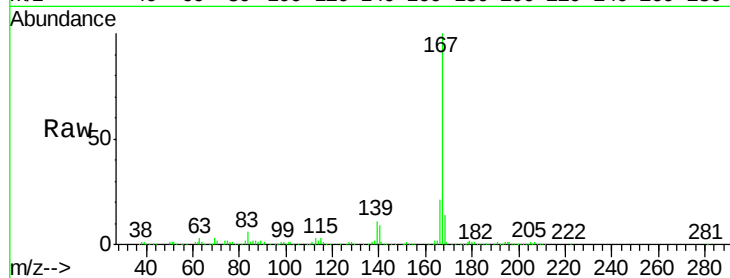
ClientSampleId :

B-6(5-5.5)-101717

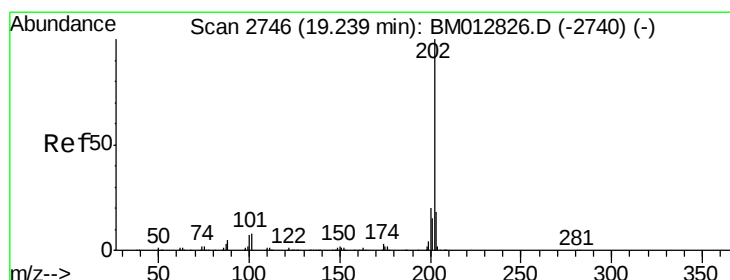
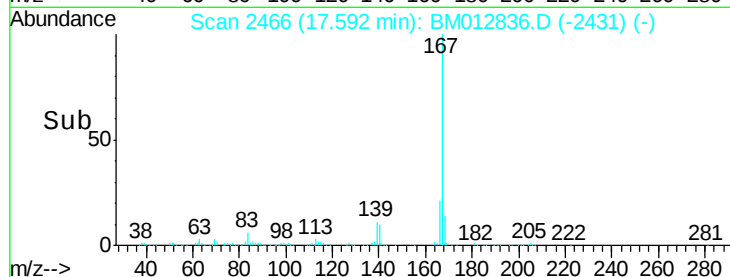
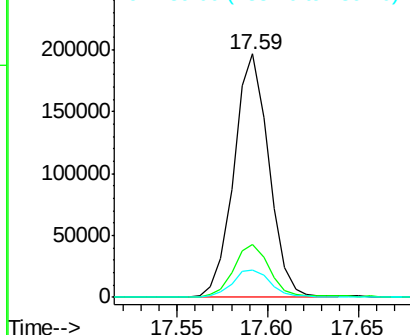
Tgt Ion:	167	Resp:	262088
Ion Ratio		Lower	Upper
167	100		
166	21.5	17.0	25.6
139	11.4	11.0	16.4

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 105.618 ng/ul

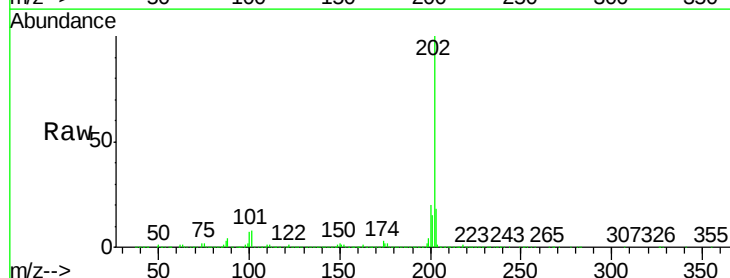
RT: 19.25 min Scan# 2748

Delta R.T. 0.01 min

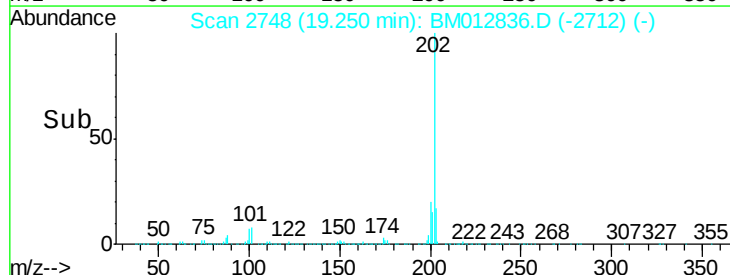
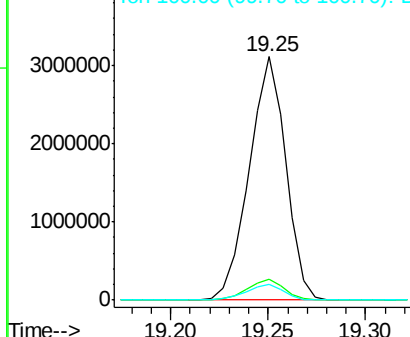
Lab File: BM012836.D

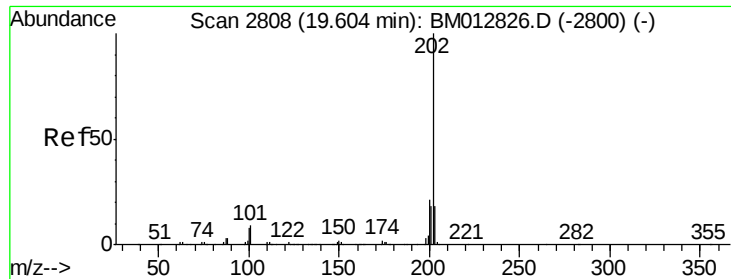
Acq: 09 Nov 2017 00:06

Tgt Ion:	202	Resp:	4035408
Ion Ratio		Lower	Upper
202	100		
101	8.4	8.8	13.2#
100	6.6	6.6	9.8



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





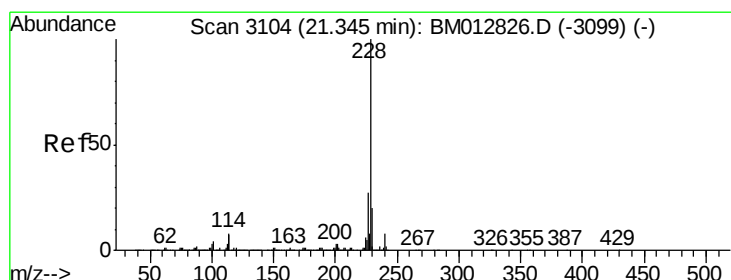
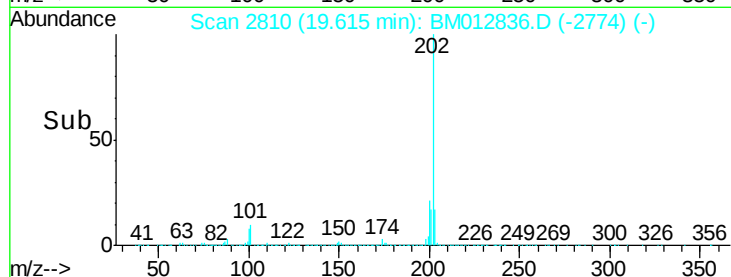
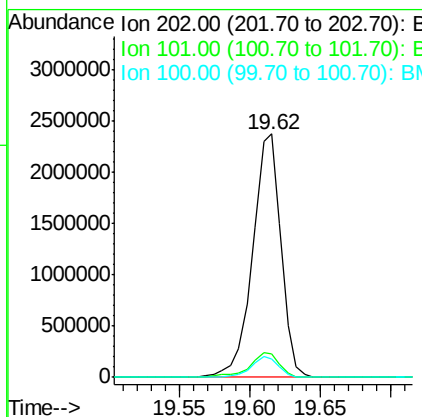
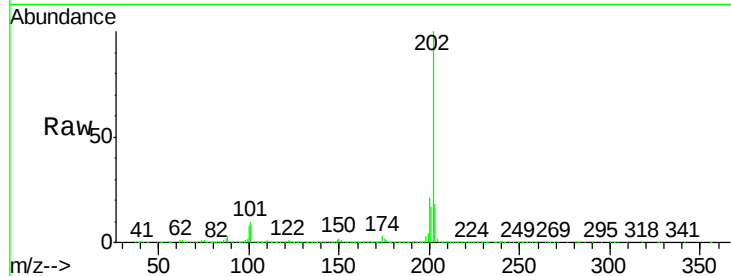
#79
Pyrene
Concen: 92.139 ng/ul
RT: 19.62 min Scan# 2810
Delta R.T. 0.01 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	10.2	15.2#
100	7.8	8.5	12.7#

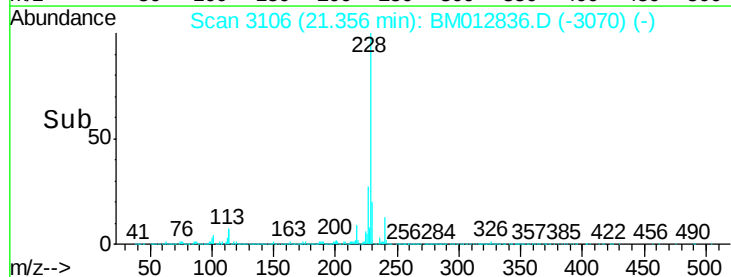
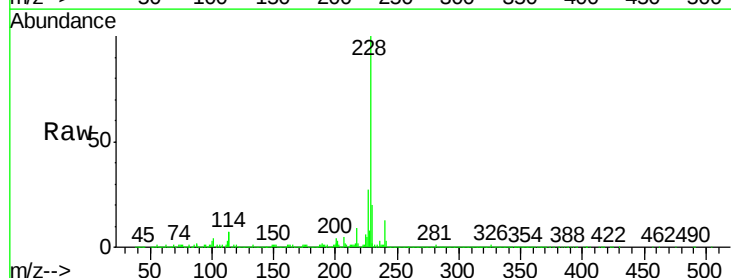
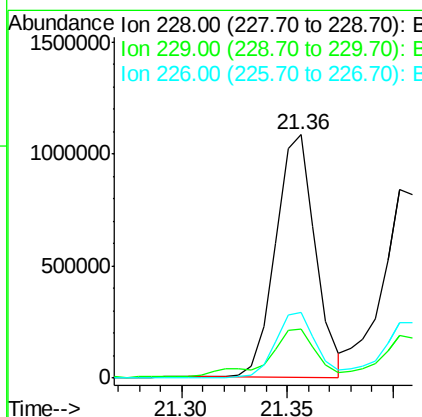
Manual Integrations
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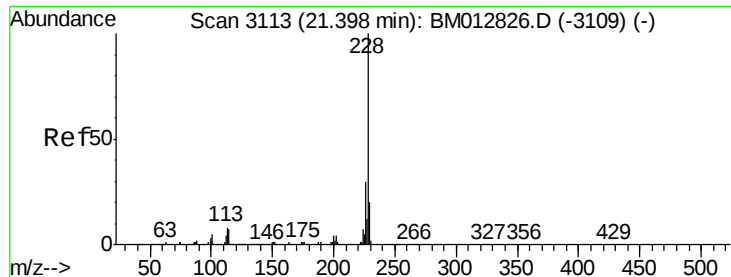
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#82
Benzo(a)anthracene
Concen: 38.461 ng/ul
RT: 21.36 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.7	23.5
226	27.1	21.8	32.6





#84

Chrysene

Concen: 35.799 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

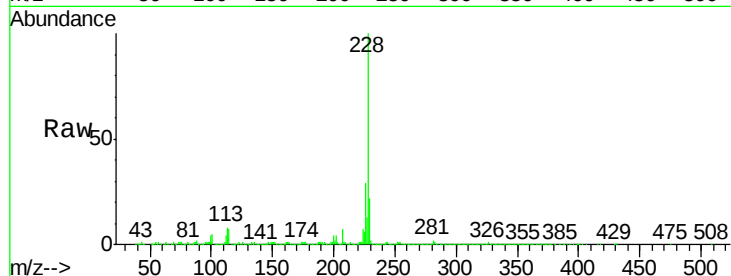
ClientSampleId :

B-6(5-5.5)-101717

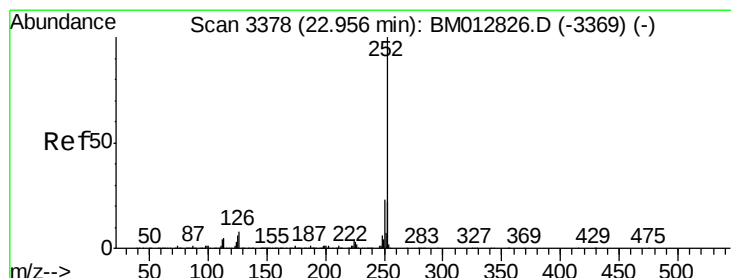
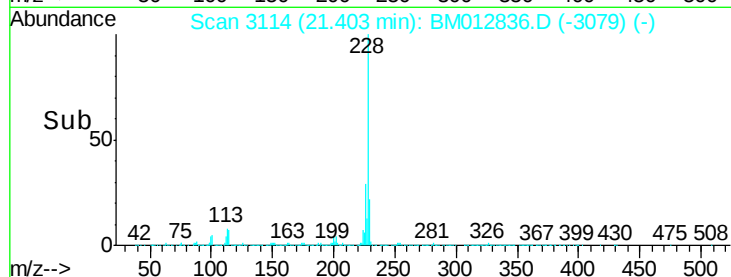
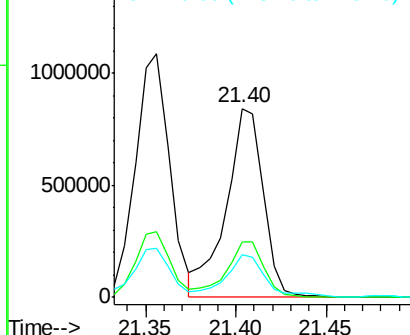
Tgt Ion:	228	Resp:	1195349
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	22.4	15.6	23.4

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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



#87

Benzo(b)fluoranthene

Concen: 35.108 ng/ul m

RT: 22.97 min Scan# 3380

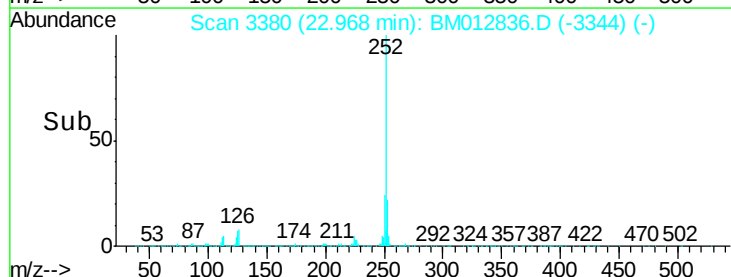
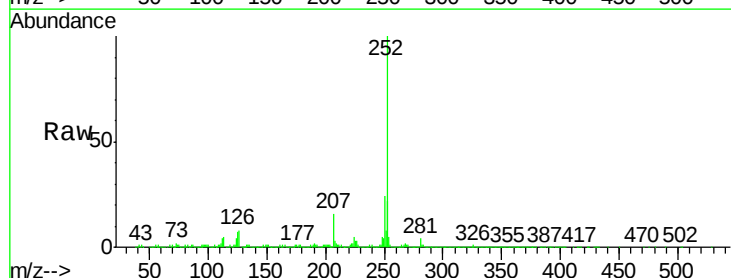
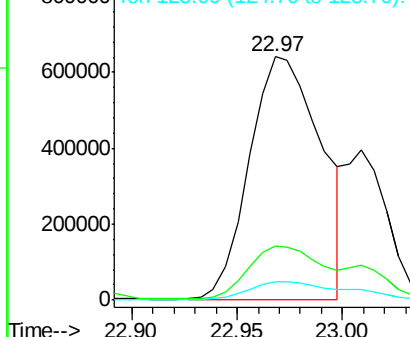
Delta R.T. 0.01 min

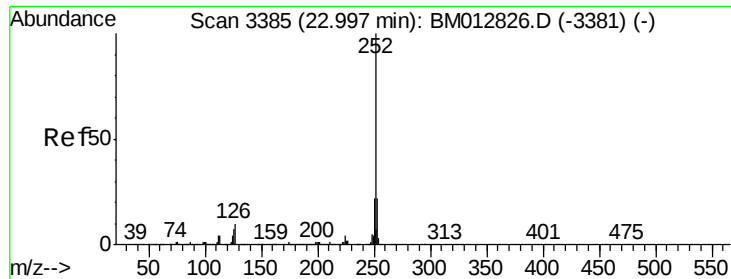
Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Tgt Ion:	252	Resp:	1519518
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	7.4	8.5	12.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





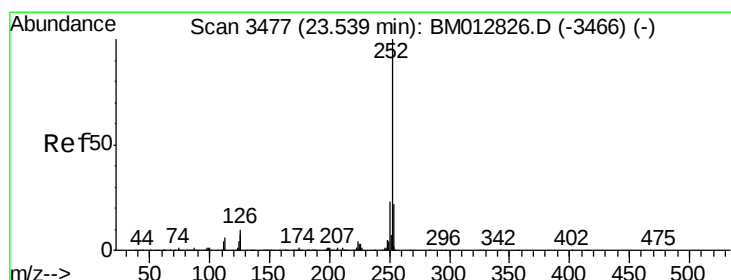
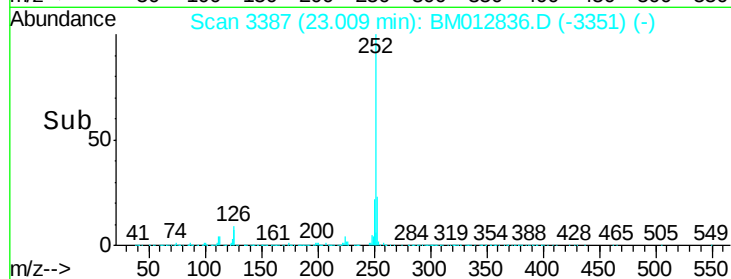
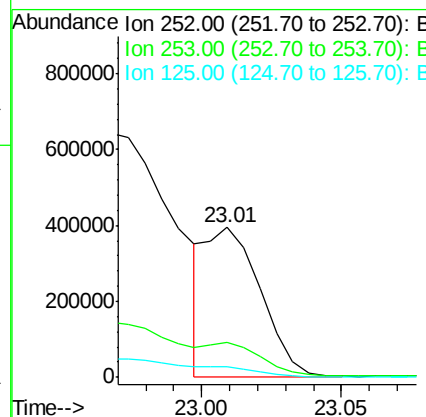
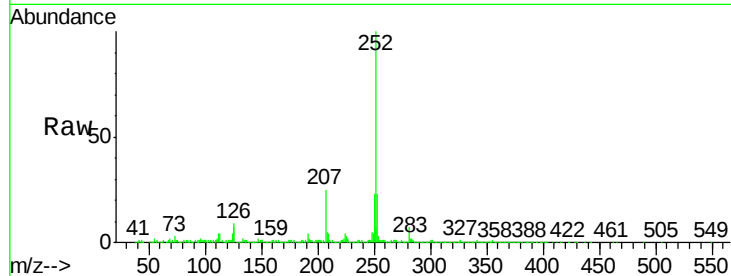
#88
Benzo(k)fluoranthene
Concen: 12.754 ng/ul m
RT: 23.01 min Scan# 3387
Delta R.T. 0.01 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	7.0	8.2	12.2

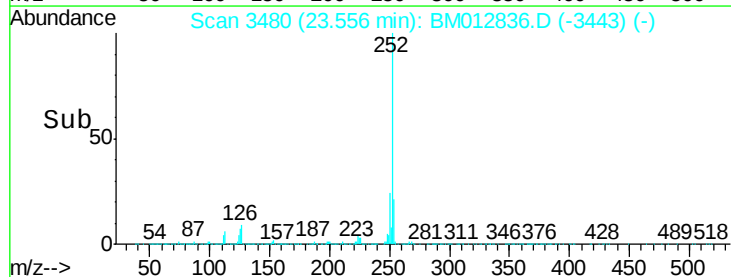
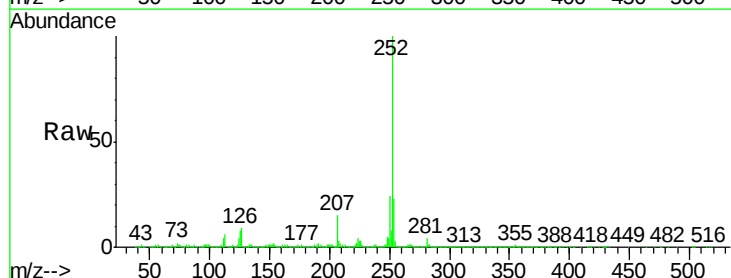
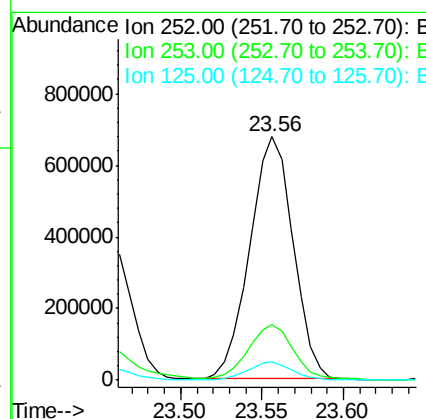
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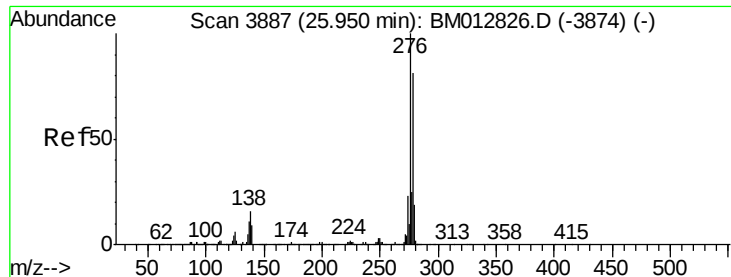
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#90
Benzo(a)pyrene
Concen: 30.326 ng/ul m
RT: 23.56 min Scan# 3480
Delta R.T. 0.02 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	7.5	9.0	13.6





#91

Indeno(1,2,3-cd)pyrene

Concen: 15.927 ng/ul

RT: 25.97 min Scan# 3891

Delta R.T. 0.02 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

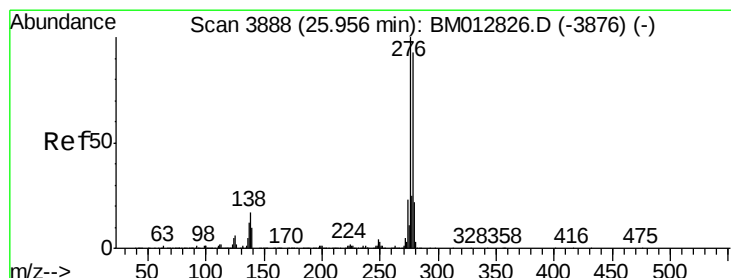
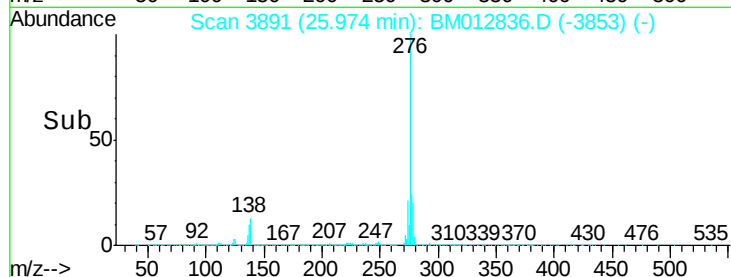
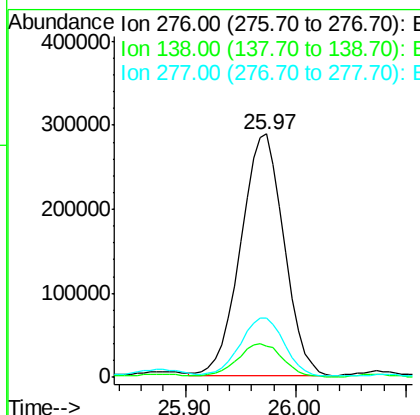
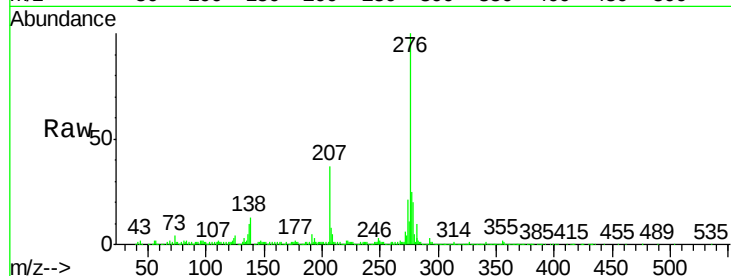
ClientSampleId :

B-6(5-5.5)-101717

Tgt Ion:	276	Resp:	790560
Ion Ratio	Lower	Upper	
276	100		
138	13.0	22.3	33.5#
277	24.6	20.2	30.2

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#92

Dibenzo(a,h)anthracene

Concen: 4.485 ng/ul

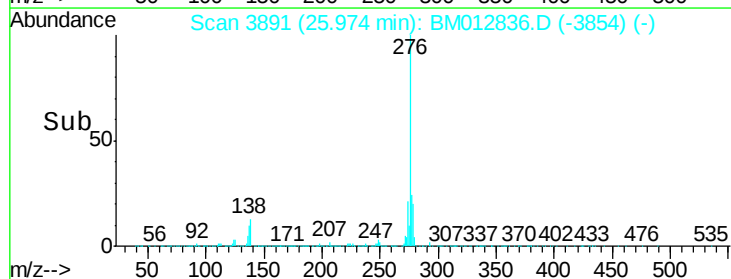
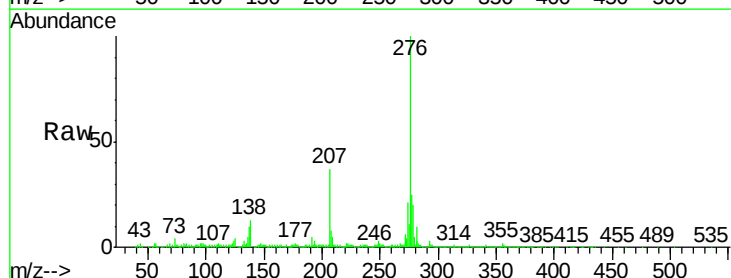
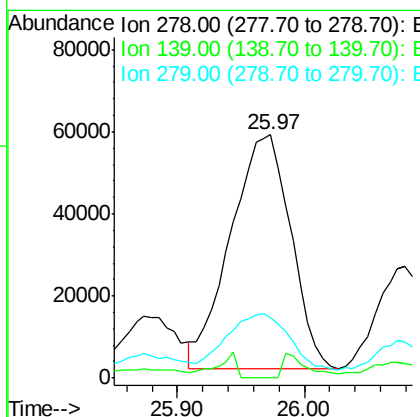
RT: 25.97 min Scan# 3891

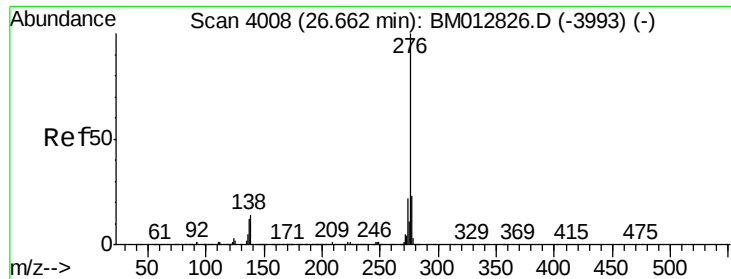
Delta R.T. 0.02 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Tgt Ion:	278	Resp:	188458
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.9	20.9#
279	25.1	19.0	28.4





#93

Benzo(g,h,i)perylene

Concen: 16.000 ng/ul

RT: 26.69 min Scan# 4012

Delta R.T. 0.02 min

Lab File: BM012836.D

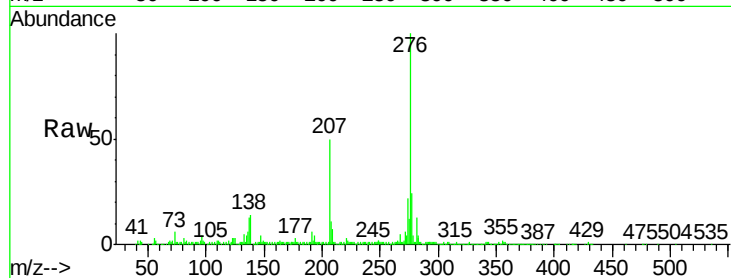
Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717



Tgt Ion: 276 Resp: 654386

Ion Ratio Lower Upper

276 100

138 13.9 18.9 28.3#

277 24.4 19.2 28.8

Manual Integrations
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