

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
 Data File : BM012849.D
 Acq On : 09 Nov 2017 12:05
 Operator : SJ/JU
 Sample : I6096-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-76(0-1)-102317

Manual Integrations
 APPROVED

Sohil
 11/9/2017 3:49:21 PM

Quant Time: Nov 09 14:15:09 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 05:48:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	135425	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	525181	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	274239	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	492764m	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	532128m	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	619285m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	7727m	3.08	ng/uL	0.00
5) Phenol-d5	6.99	99	173129	17.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	109384	20.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	161758	19.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	103612	11.91	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	81994	21.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	86215	19.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	167045	18.35	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	44300	5.04	ng/ul	0.01
43) Dimethylphthalate-d6	13.85	166	494788	21.80	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	576307	20.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	44286	12.18	ng/ul	0.01
57) Fluorene-d10	15.44	176	381396	19.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	3781	1.16	ng/ul	0.01
70) Anthracene-d10	17.29	188	496298	20.85	ng/ul	0.00
78) Pyrene-d10	19.59	212	486562m	19.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	608477m	20.78	ng/ul	0.02

Target Compounds

					Qvalue
6) Phenol	7.01	94	31905	3.084	ng/ul 97
28) Naphthalene	10.64	128	48001	1.828	ng/ul 100
34) 2-Methylnaphthalene	12.26	142	22353	1.114	ng/ul 89
44) Dimethylphthalate	13.90	163	318804	14.157	ng/ul 98
47) Acenaphthylene	14.16	152	38402	1.411	ng/ul# 95
49) Acenaphthene	14.50	153	66986	3.614	ng/ul 94
53) Dibenzofuran	14.84	168	63984	2.367	ng/ul 91
58) Fluorene	15.49	166	67385	3.001	ng/ul 98
69) Phenanthrene	17.23	178	1771778m	65.783	ng/ul
71) Anthracene	17.32	178	324775	11.630	ng/ul 98
74) Carbazole	17.60	167	63896	2.743	ng/ul 96
76) Fluoranthene	19.26	202	2819025	87.100	ng/ul# 93
79) Pyrene	19.62	202	2944111m	92.733	ng/ul
82) Benzo(a)anthracene	21.36	228	1830690m	56.854	ng/ul
84) Chrysene	21.42	228	1984970m	68.020	ng/ul
87) Benzo(b)fluoranthene	22.98	252	2341415m	61.868	ng/ul
88) Benzo(k)fluoranthene	23.02	252	755207m	20.994	ng/ul
90) Benzo(a)pyrene	23.57	252	1767889m	49.092	ng/ul
91) Indeno(1,2,3-cd)pyrene	26.00	276	1246806m	28.727	ng/ul
92) Dibenzo(a,h)anthracene	25.67	278	215581m	5.868	ng/ul
93) Benzo(g,h,i)perylene	26.71	276	1036674m	28.987	ng/ul

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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

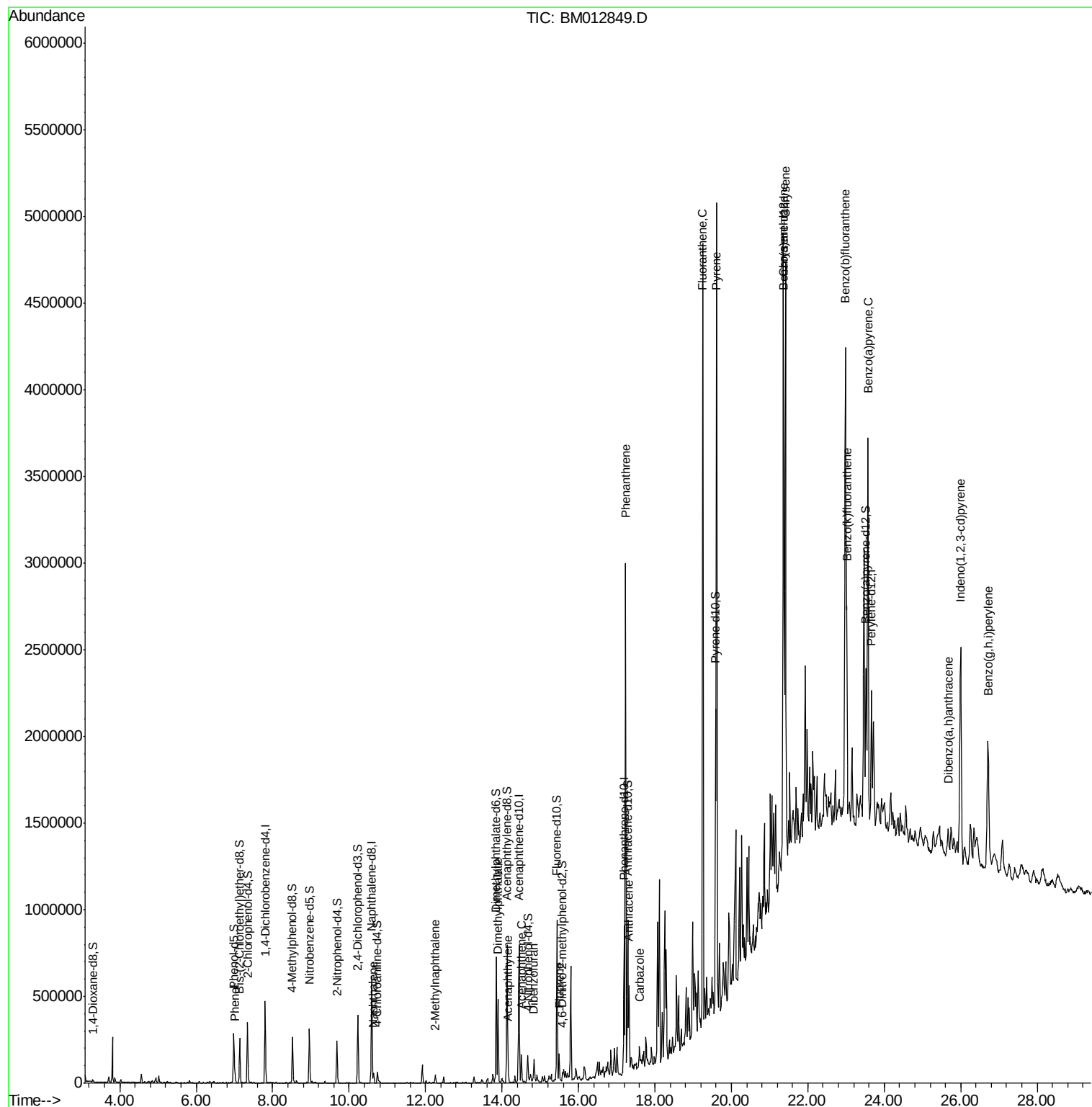
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
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Sample : I6096-01
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ALS Vial : 35 Sample Multiplier: 1

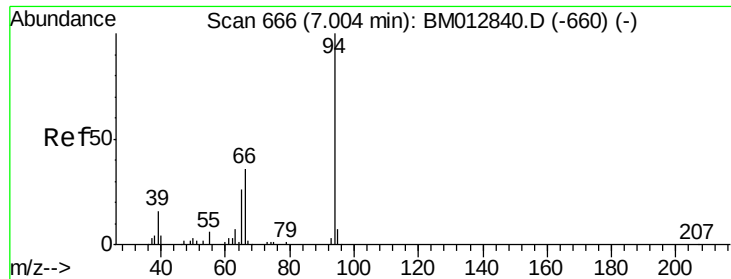
Instrument :
BNA_M
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B-76(0-1)-102317

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#6

Phenol

Concen: 3.084 ng/ul

RT: 7.01 min Scan# 667

Delta R.T. 0.01 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

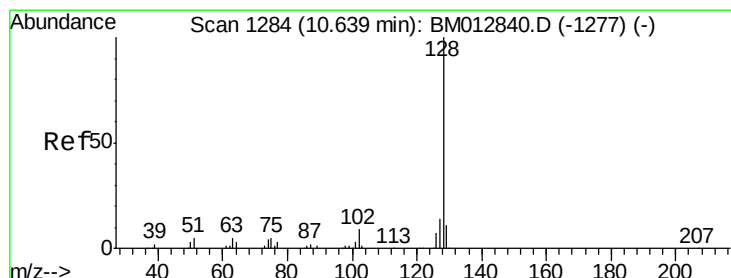
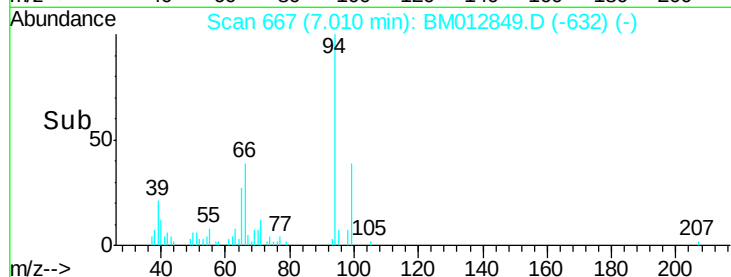
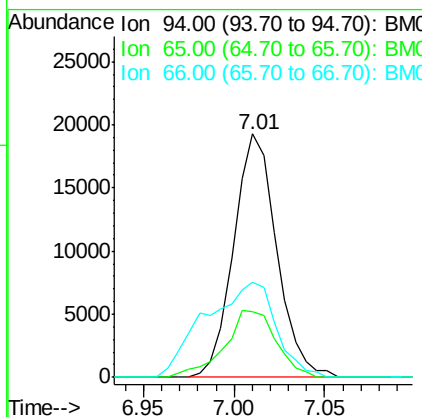
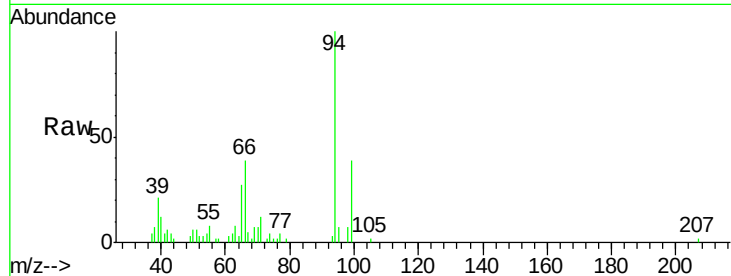
ClientSampleId :

B-76(0-1)-102317

Tgt Ion:	94	Resp:	31905
Ion	Ratio	Lower	Upper
94	100		
65	27.2	21.0	31.6
66	39.1	29.3	43.9

Manual Integrations
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#28

Naphthalene

Concen: 1.828 ng/ul

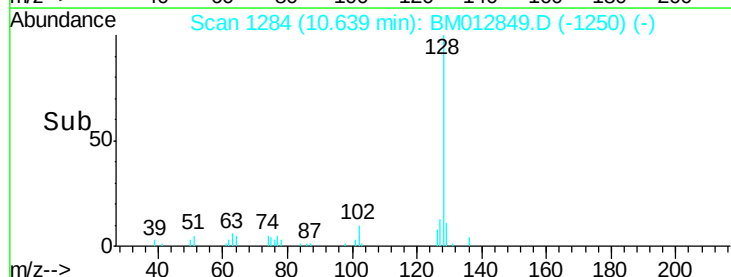
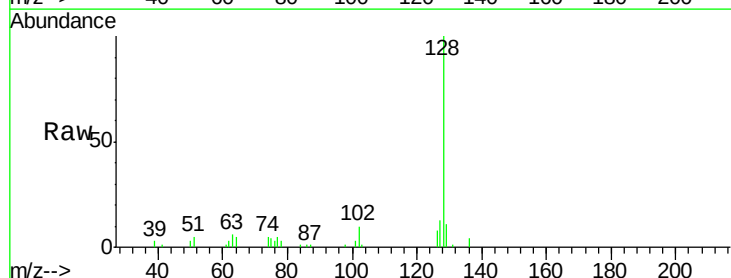
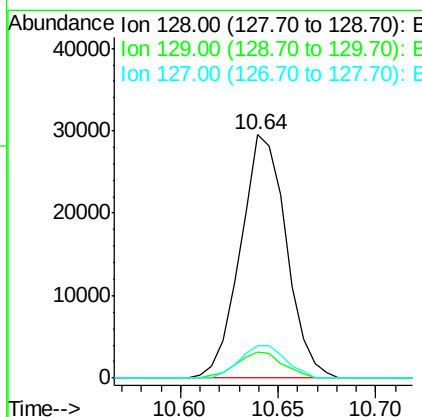
RT: 10.64 min Scan# 1284

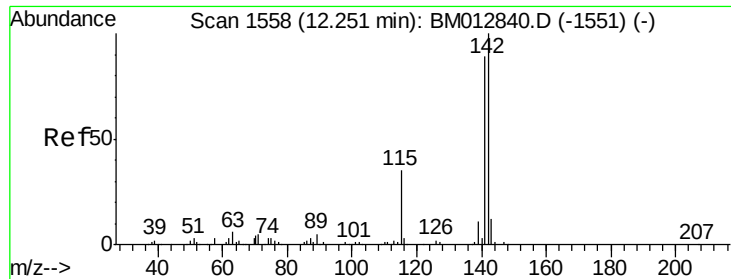
Delta R.T. 0.00 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Tgt Ion:	128	Resp:	48001
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.2	10.5	15.7





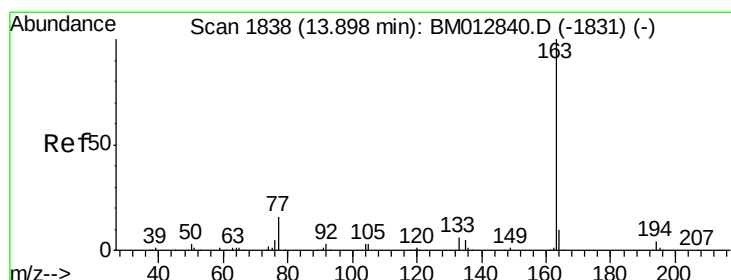
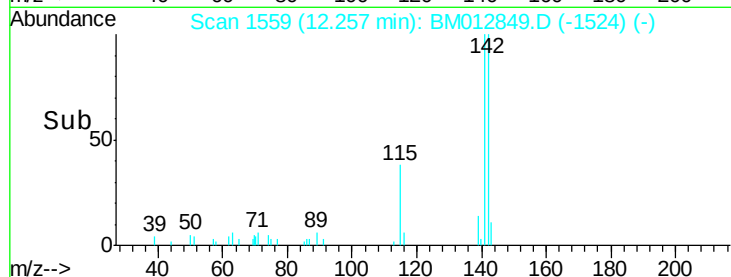
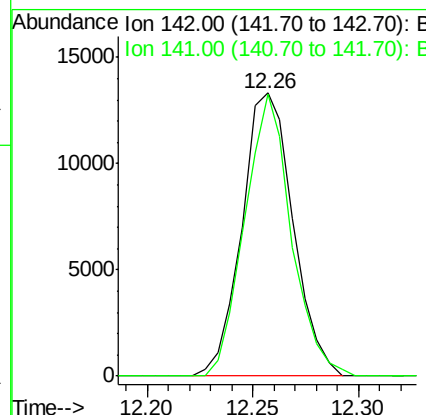
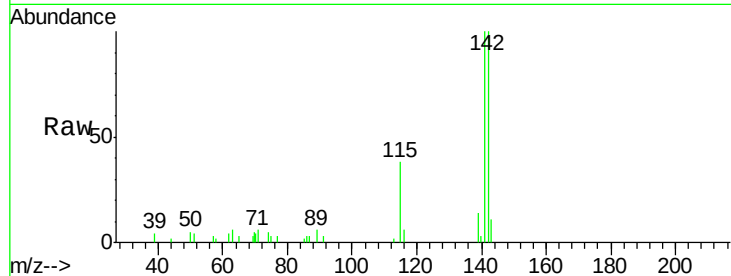
#34
2-Methylnaphthalene
Concen: 1.114 ng/ul
RT: 12.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Instrument :
BNA_M
ClientSampleId :
B-76(0-1)-102317

Tgt Ion	Ratio	Lower	Upper
142	100		
141	99.5	71.6	107.4

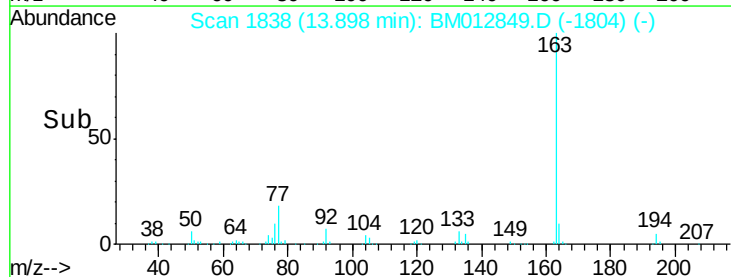
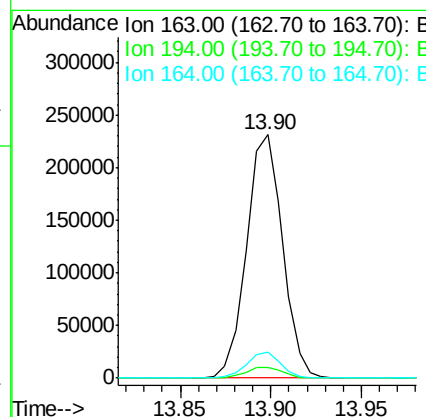
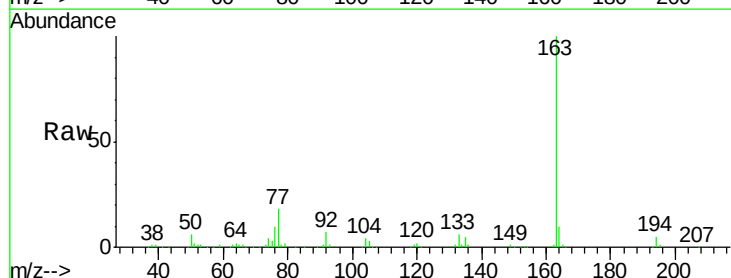
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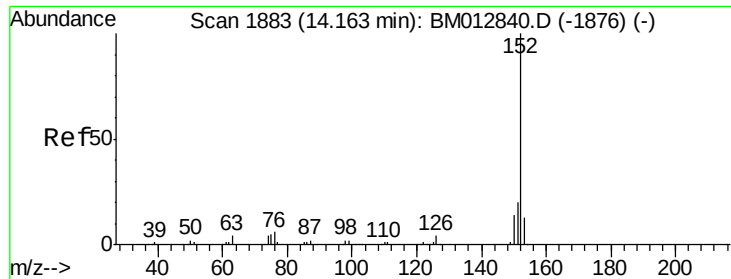
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#44
Dimethylphthalate
Concen: 14.157 ng/ul
RT: 13.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.2	4.8
164	10.5	7.8	11.8





#47

Acenaphthylene

Concen: 1.411 ng/ul

RT: 14.16 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

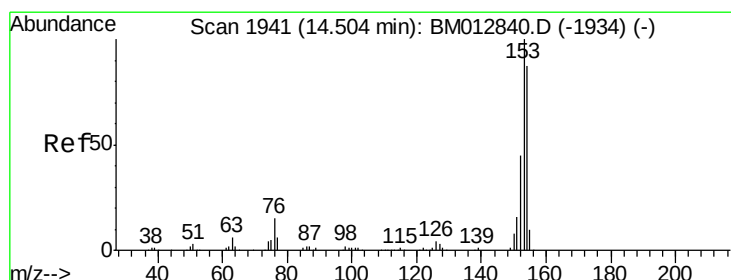
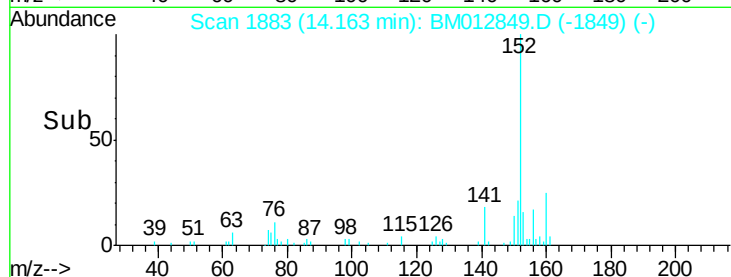
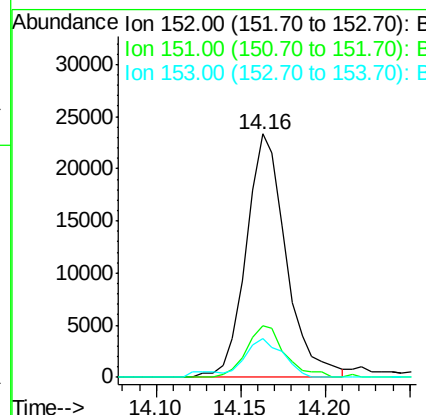
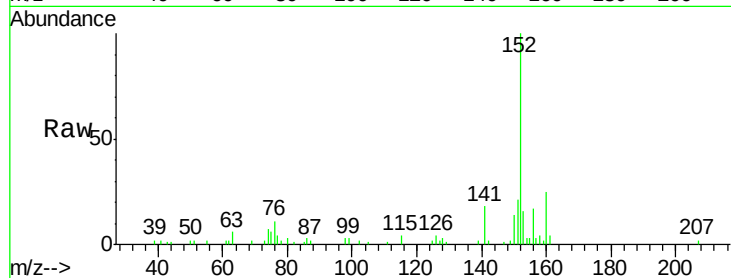
ClientSampleId :

B-76(0-1)-102317

Tgt Ion:	152	Resp:	38402
Ion Ratio	Lower	Upper	
152	100		
151	21.2	15.7	23.5
153	16.1	10.5	15.7#

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#49

Acenaphthene

Concen: 3.614 ng/ul

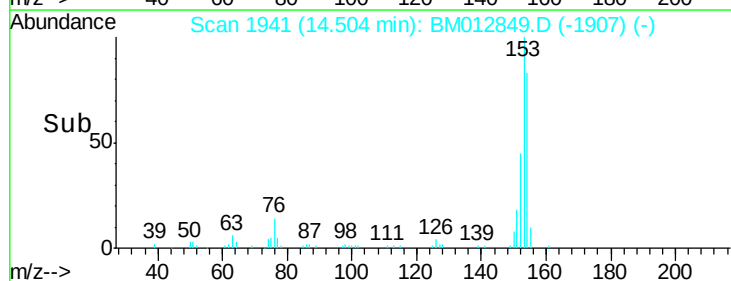
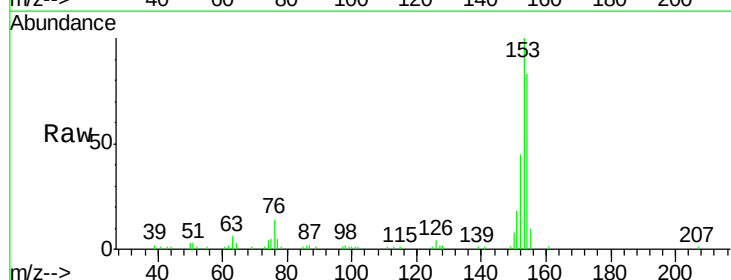
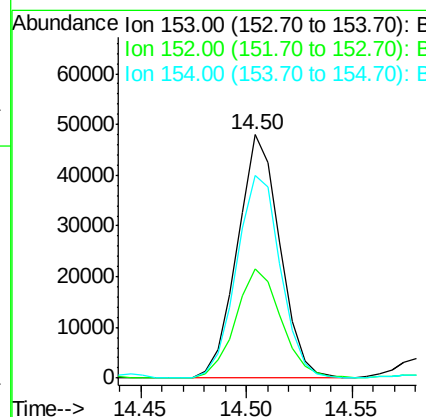
RT: 14.50 min Scan# 1941

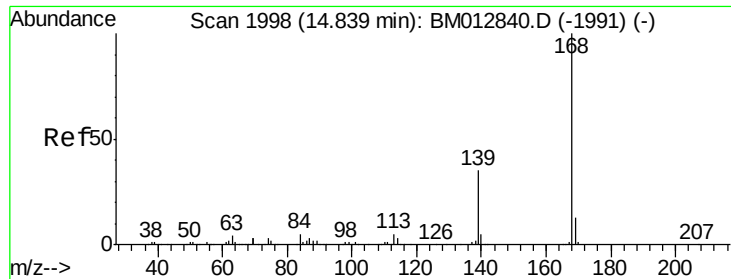
Delta R.T. 0.00 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Tgt Ion:	153	Resp:	66986
Ion Ratio	Lower	Upper	
153	100		
152	44.9	38.3	57.5
154	83.2	71.8	107.8





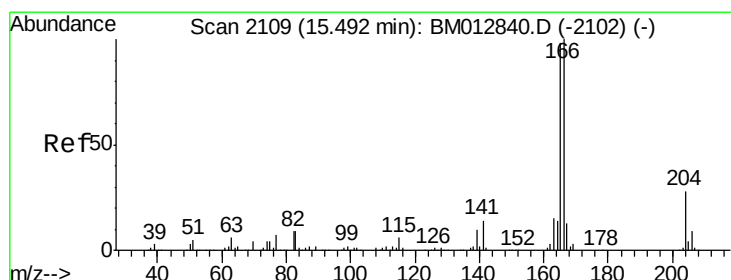
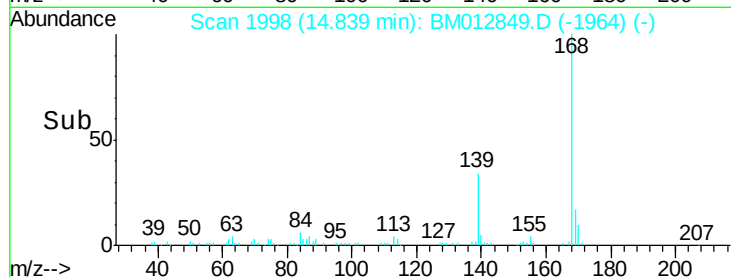
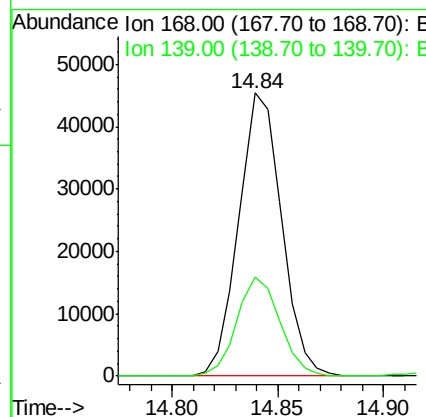
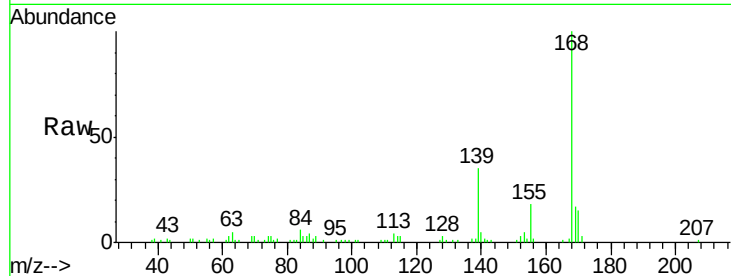
#53
Dibenzenofuran
Concen: 2.367 ng/ul
RT: 14.84 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Instrument :
BNA_M
ClientSampleId :
B-76(0-1)-102317

Tgt Ion:168 Resp: 63984
Ion Ratio Lower Upper
168 100
139 34.8 32.2 48.2

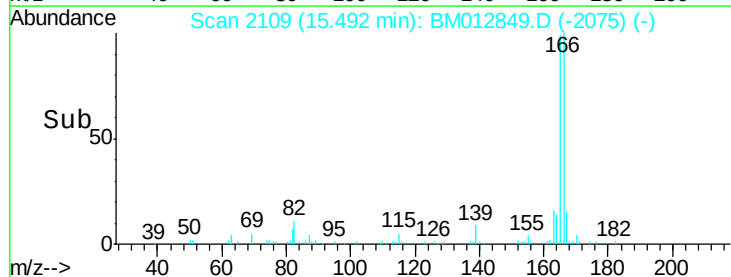
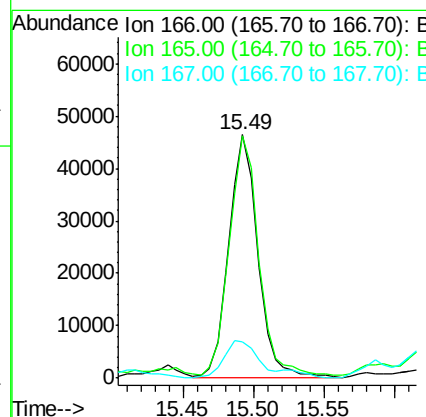
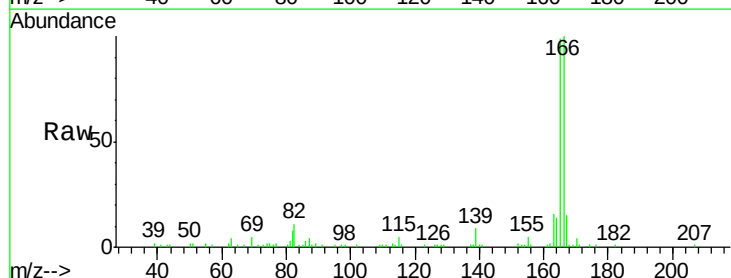
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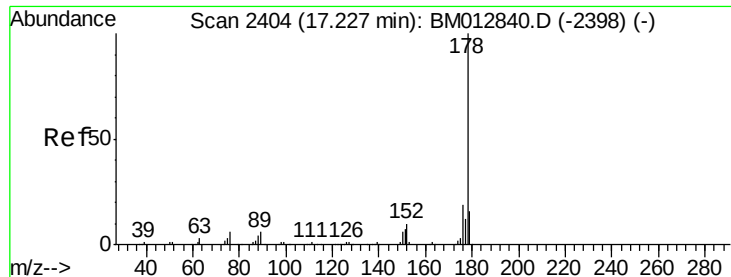
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#58
Fluorene
Concen: 3.001 ng/ul
RT: 15.49 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Tgt Ion:166 Resp: 67385
Ion Ratio Lower Upper
166 100
165 99.4 78.5 117.7
167 14.9 10.7 16.1





#69

Phenanthrene

Concen: 65.783 ng/ul m

RT: 17.23 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampleId :

B-76(0-1)-102317

Tgt Ion:178 Resp: 1771778

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

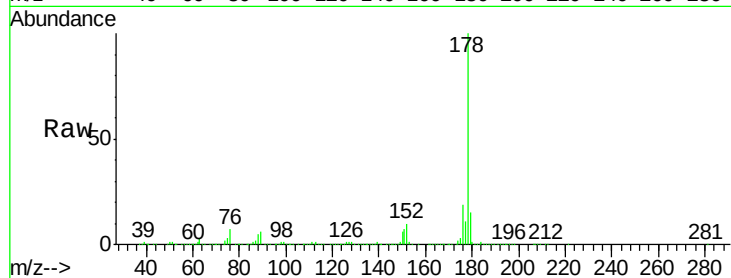
176 18.6 15.6 23.4

Manual Integrations

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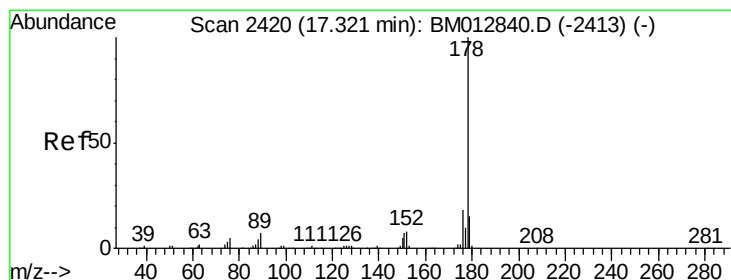
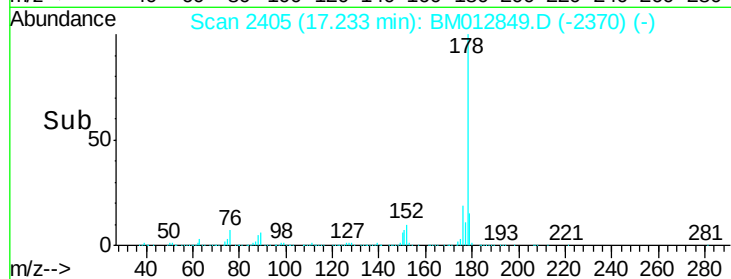
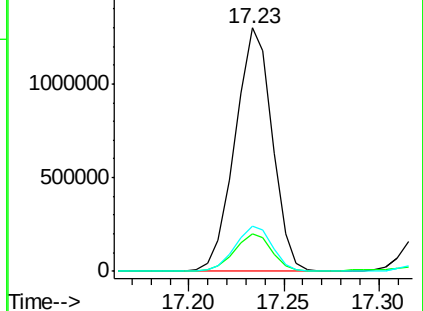
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 11.630 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

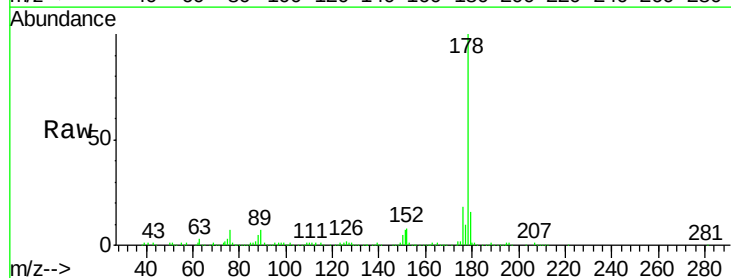
Tgt Ion:178 Resp: 324775

Ion Ratio Lower Upper

178 100

179 16.0 12.1 18.1

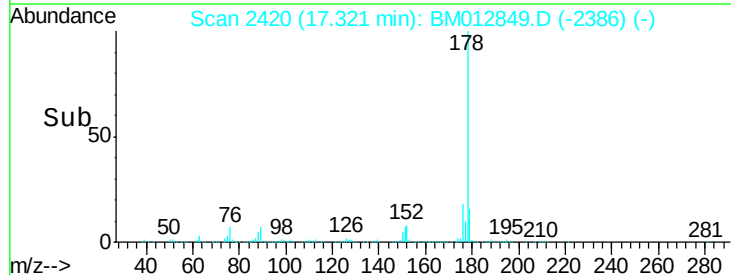
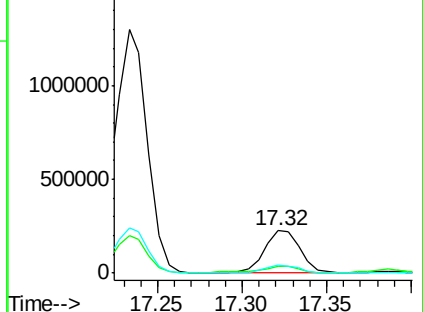
176 18.1 14.8 22.2

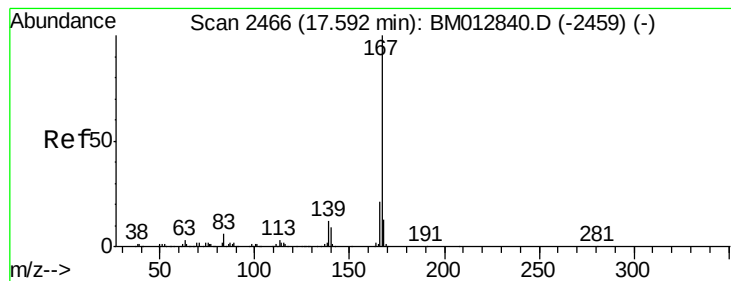


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 2.743 ng/ul

RT: 17.60 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BM012849.D

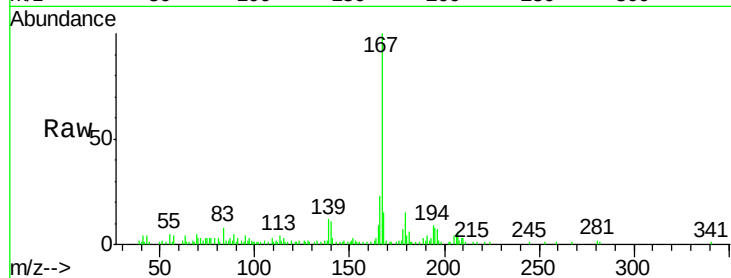
Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampleId :

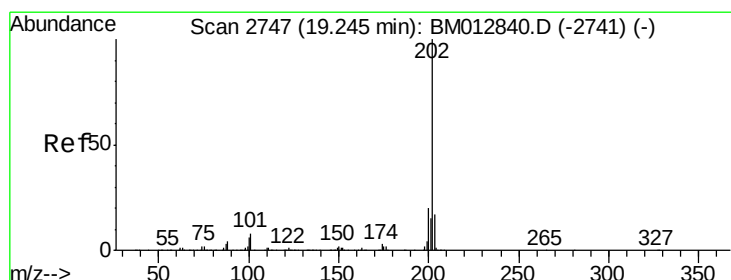
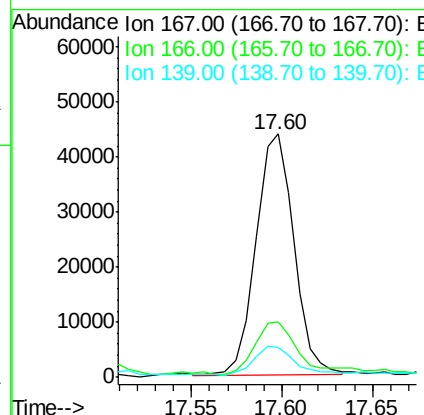
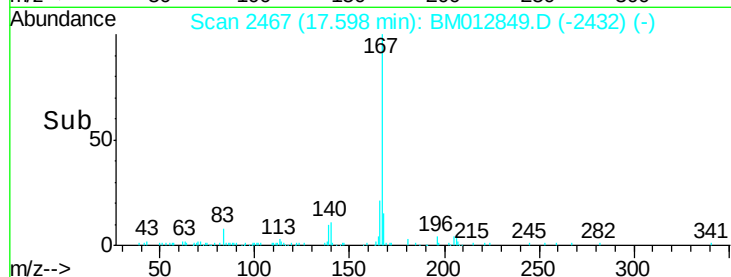
B-76(0-1)-102317



Tgt Ion	Ratio	Resp	Lower	Upper
167	100	63896		
166	22.8		17.0	25.6
139	12.0		11.0	16.4

Manual Integrations
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#76

Fluoranthene

Concen: 87.100 ng/ul

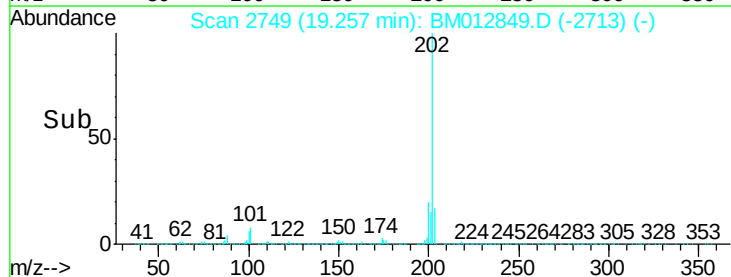
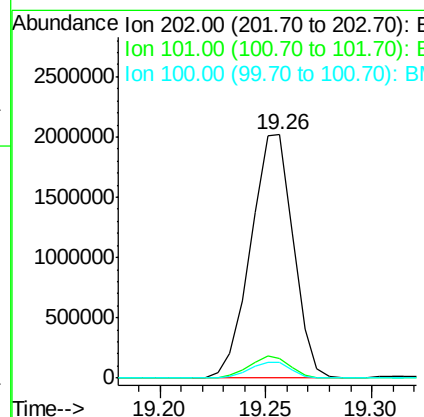
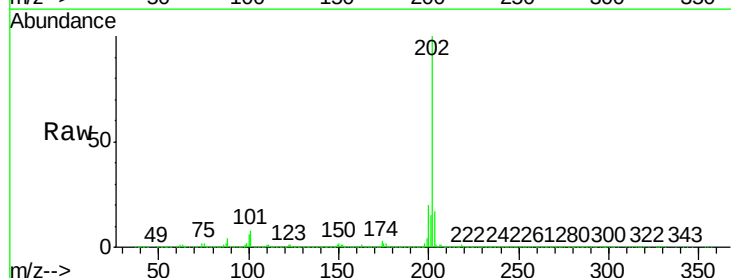
RT: 19.26 min Scan# 2749

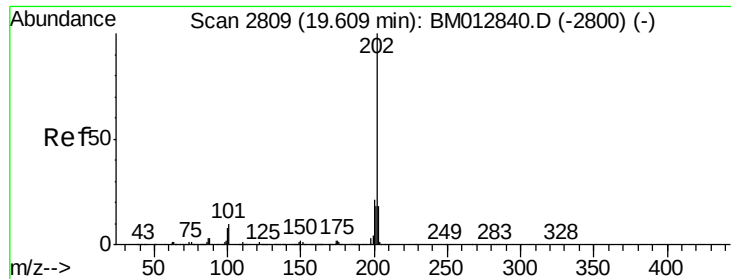
Delta R.T. 0.01 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2819025		
101	7.9		8.8	13.2#
100	6.2		6.6	9.8#





#79

Pyrene

Concen: 92.733 ng/ul m

RT: 19.62 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

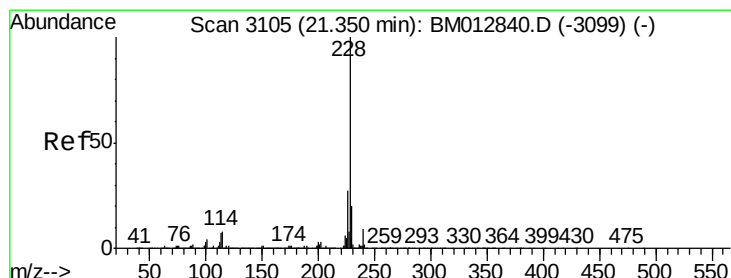
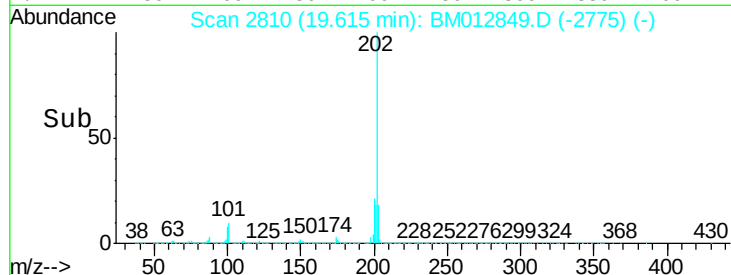
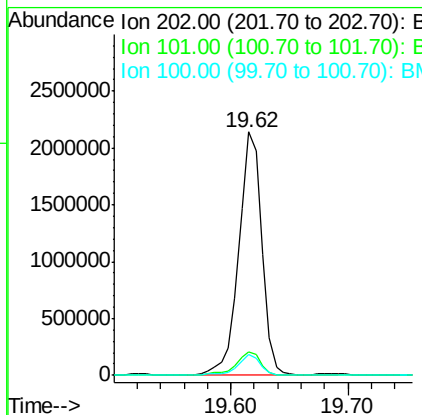
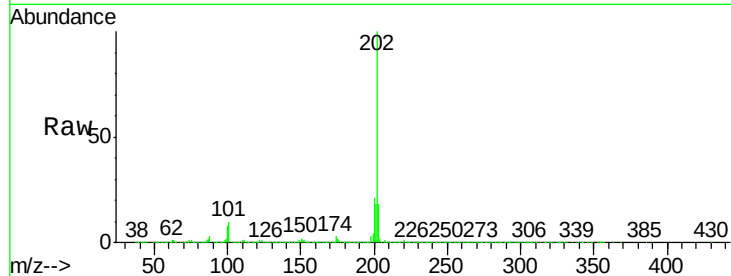
ClientSampleId :

B-76(0-1)-102317

Tgt Ion:	202	Resp:	2944111
Ion Ratio	Lower	Upper	
202	100		
101	9.9	10.2	15.2#
100	8.4	8.5	12.7#

Manual Integrations
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#82

Benzo(a)anthracene

Concen: 56.854 ng/ul m

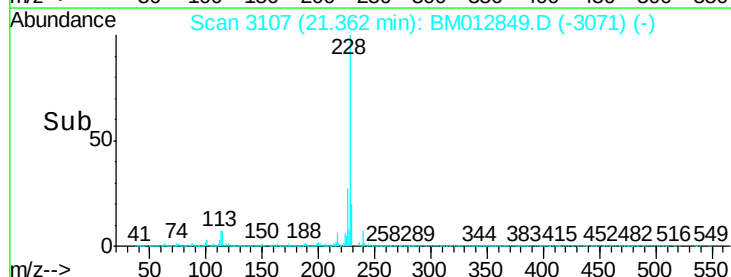
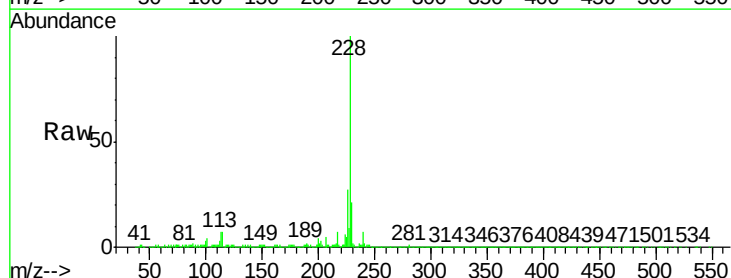
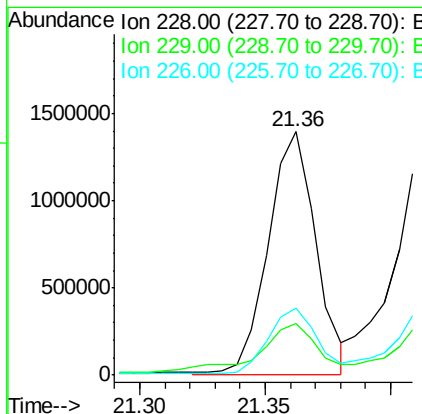
RT: 21.36 min Scan# 3107

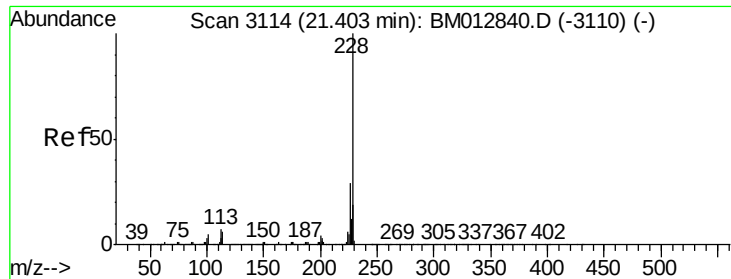
Delta R.T. 0.01 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Tgt Ion:	228	Resp:	1830690
Ion Ratio	Lower	Upper	
228	100		
229	21.2	15.7	23.5
226	27.4	21.8	32.6





#84

Chrysene

Concen: 68.020 ng/ul m

RT: 21.42 min Scan# 3116

Delta R.T. 0.01 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

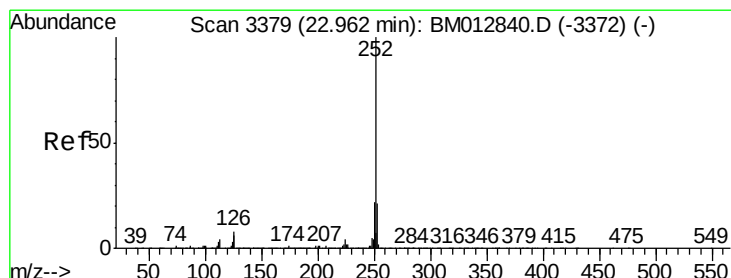
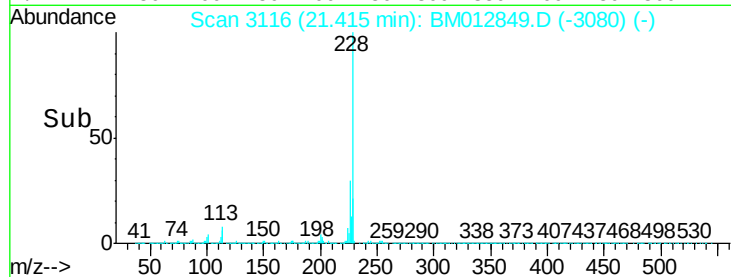
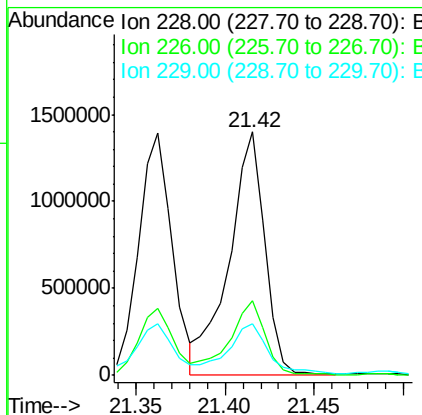
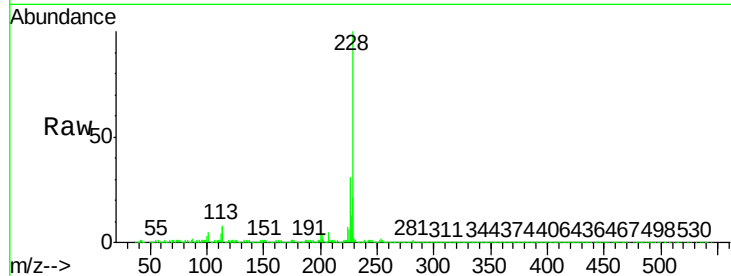
ClientSampleId :

B-76(0-1)-102317

Tgt Ion:	228	Resp:	1984970
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	21.5	15.6	23.4

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#87

Benzo(b)fluoranthene

Concen: 61.868 ng/ul m

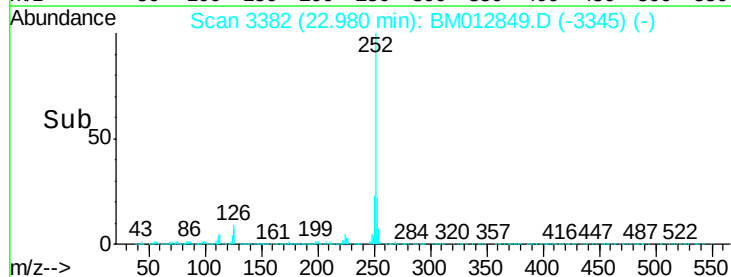
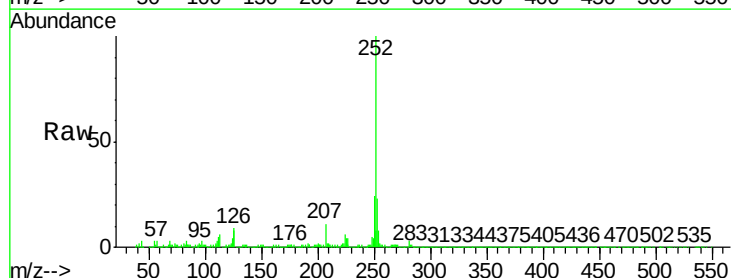
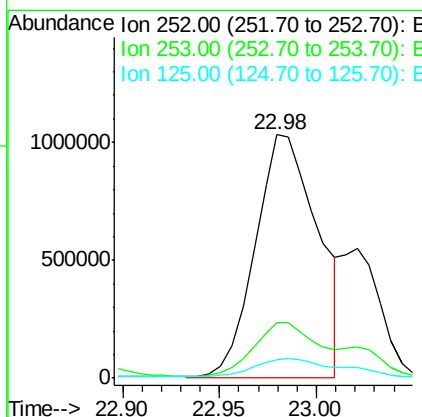
RT: 22.98 min Scan# 3382

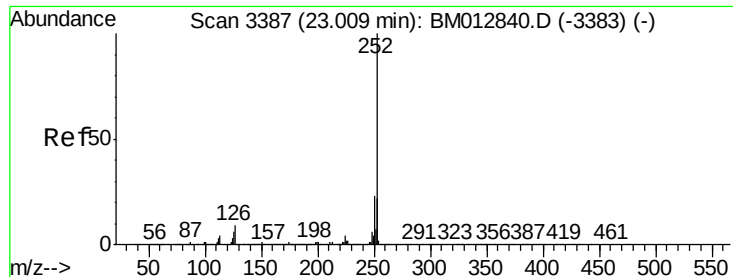
Delta R.T. 0.02 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Tgt Ion:	252	Resp:	2341415
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	7.8	8.5	12.7#





#88

Benzo(k)fluoranthene

Concen: 20.994 ng/ul m

RT: 23.02 min Scan# 3389

Delta R.T. 0.01 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

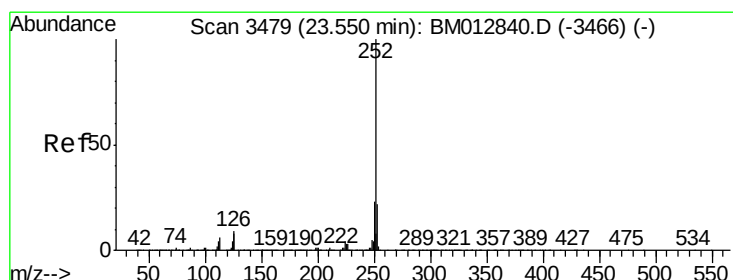
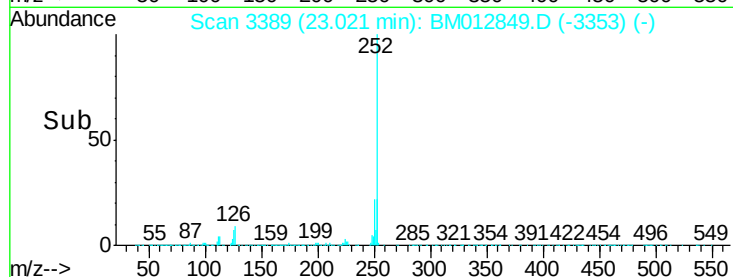
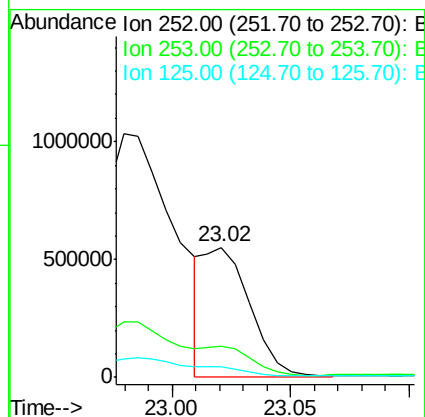
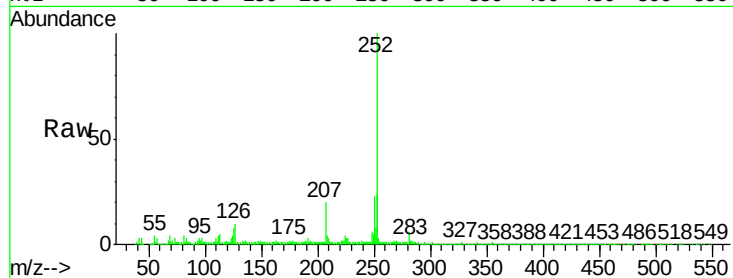
ClientSampleId :

B-76(0-1)-102317

Tgt Ion:	252	Resp:	755207
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.3	25.9
125	8.2	8.2	12.2

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#90

Benzo(a)pyrene

Concen: 49.092 ng/ul m

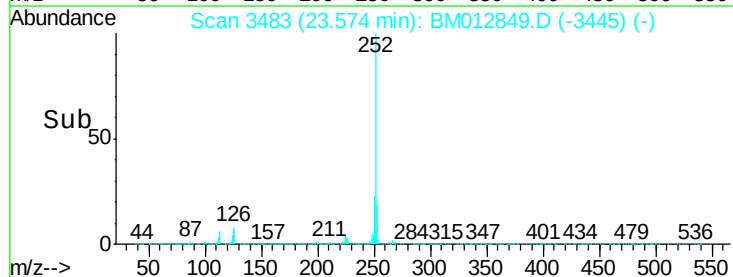
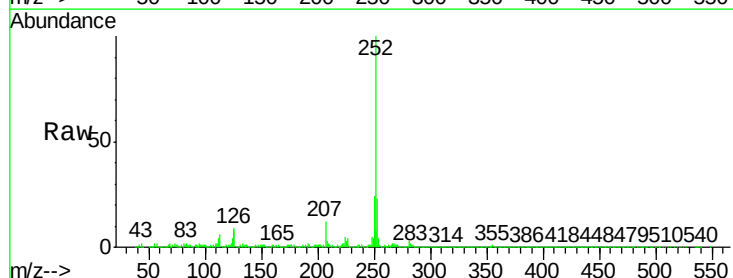
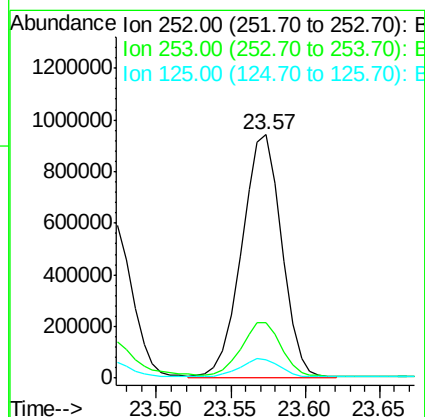
RT: 23.57 min Scan# 3483

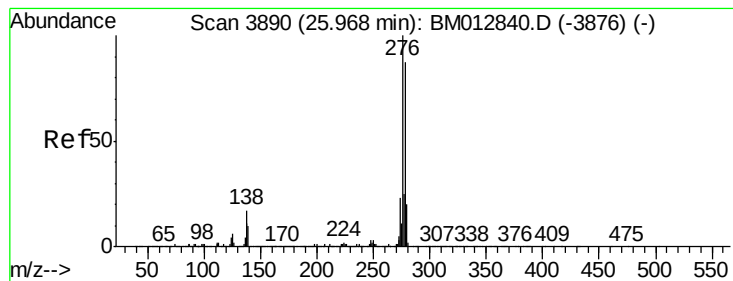
Delta R.T. 0.02 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Tgt Ion:	252	Resp:	1767889
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	7.7	9.0	13.6#





#91

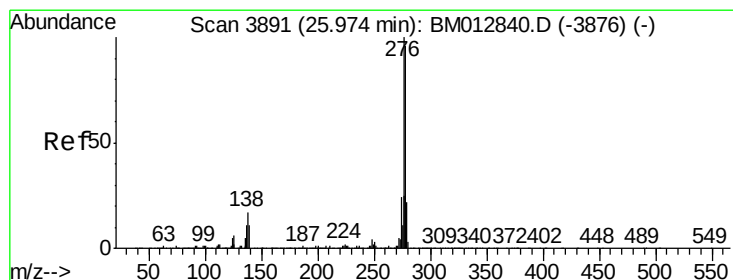
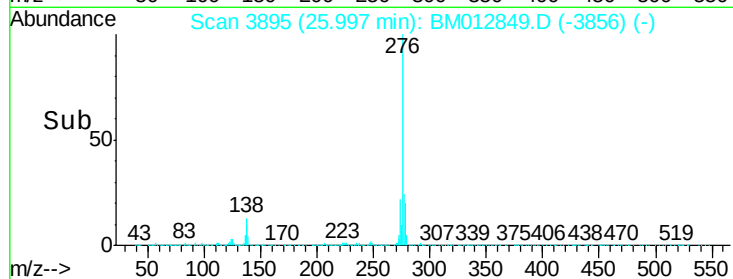
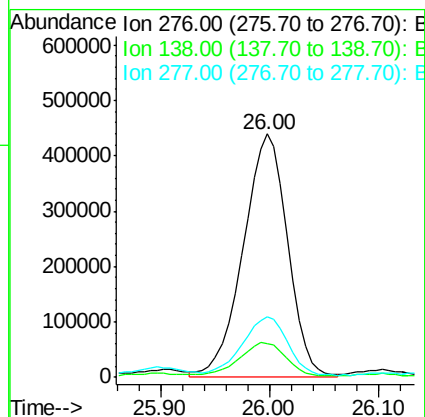
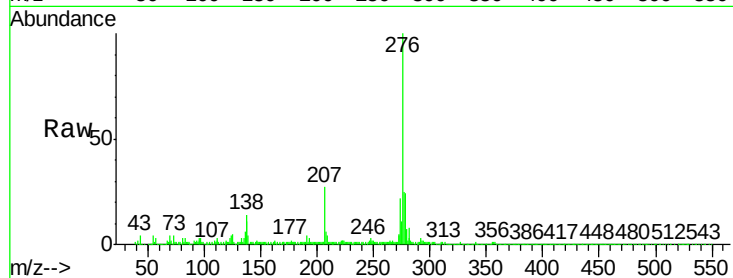
Indeno(1,2,3-cd)pyrene
Concen: 28.727 ng/ul m
RT: 26.00 min Scan# 3895
Delta R.T. 0.03 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Instrument :
BNA_M
ClientSampleId :
B-76(0-1)-102317

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.7	22.3	33.5#
277	25.1	20.2	30.2

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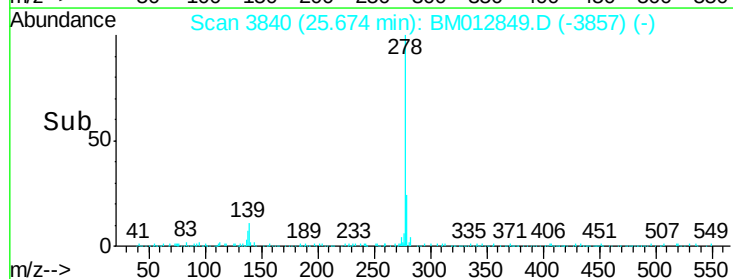
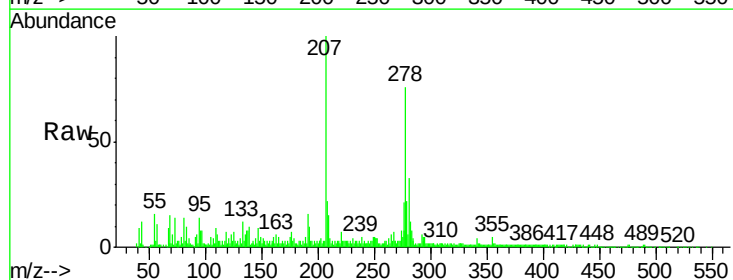
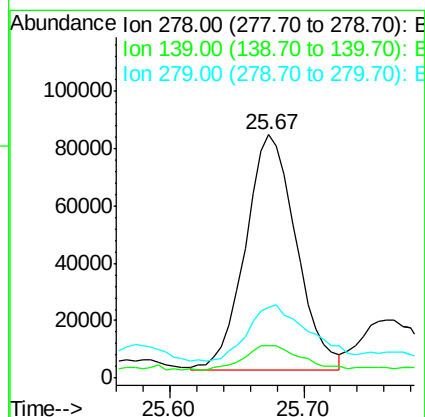
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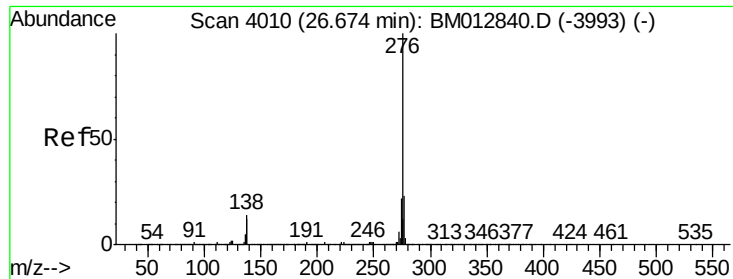


#92

Dibenzo(a,h)anthracene
Concen: 5.868 ng/ul m
RT: 25.67 min Scan# 3840
Delta R.T. -0.30 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.3	13.9	20.9#
279	29.1	19.0	28.4#





#93

Benzo(g,h,i)perylene

Concen: 28.987 ng/ul m

RT: 26.71 min Scan# 4016

Delta R.T. 0.04 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampleId :

B-76(0-1)-102317

Tgt Ion:276 Resp: 1036674

Ion Ratio Lower Upper

276 100

138 13.9 18.9 28.3#

277 24.8 19.2 28.8

Manual Integrations

APPROVED

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