

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
 Data File : BM012851.D
 Acq On : 09 Nov 2017 13:59
 Operator : SJ/JU
 Sample : I5955-14DL 30X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 11/9/2017 6:00:29 PM

Quant Time: Nov 09 17:08:12 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	105136	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	432700	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	285994	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	697726m	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	709435	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	632592	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	366	0.19	ng/uL	0.00
5) Phenol-d5	6.99	99	7420	0.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	4327	1.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	6579	1.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	7018	1.04	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	2983	0.93	ng/ul	0.01
22) 2-Nitrophenol-d4	9.68	143	3717	1.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	7228	0.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	3464	0.48	ng/ul	0.01
43) Dimethylphthalate-d6	13.84	166	29183	1.23	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	32375	1.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.68	143	3401	0.90	ng/ul	0.02
57) Fluorene-d10	15.43	176	26471	1.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	260	0.06	ng/ul	0.01
70) Anthracene-d10	17.29	188	44329	1.31	ng/ul	0.00
78) Pyrene-d10	19.58	212	47134	1.43	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	38408	1.28	ng/ul	0.00
Target Compounds						
28) Naphthalene	10.64	128	145669	6.734	ng/ul	99
34) 2-Methylnaphthalene	12.25	142	61657	3.729	ng/ul	96
40) 1,1'-Biphenyl	13.27	154	28915	1.222	ng/ul	96
49) Acenaphthene	14.50	153	104972	5.431	ng/ul	96
53) Dibenzofuran	14.84	168	194711	6.907	ng/ul	91
58) Fluorene	15.49	166	155526	6.641	ng/ul	99
69) Phenanthrene	17.23	178	2071493m	54.318	ng/ul	
71) Anthracene	17.32	178	495485	12.531	ng/ul	99
74) Carbazole	17.59	167	113183	3.432	ng/ul	98
76) Fluoranthene	19.25	202	1848128	40.328	ng/ul#	93
79) Pyrene	19.61	202	1529354	36.132	ng/ul#	93
82) Benzo(a)anthracene	21.36	228	580712	13.527	ng/ul	99
84) Chrysene	21.40	228	488321	12.551	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	500397	12.944	ng/ul#	97
88) Benzo(k)fluoranthene	23.01	252	176293	4.798	ng/ul	96
90) Benzo(a)pyrene	23.56	252	405241m	11.016	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.97	276	231129	5.213	ng/ul#	85
92) Dibenzo(a,h)anthracene	25.97	278	57991	1.545	ng/ul#	75
93) Benzo(g,h,i)perylene	26.69	276	191752	5.249	ng/ul#	90

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

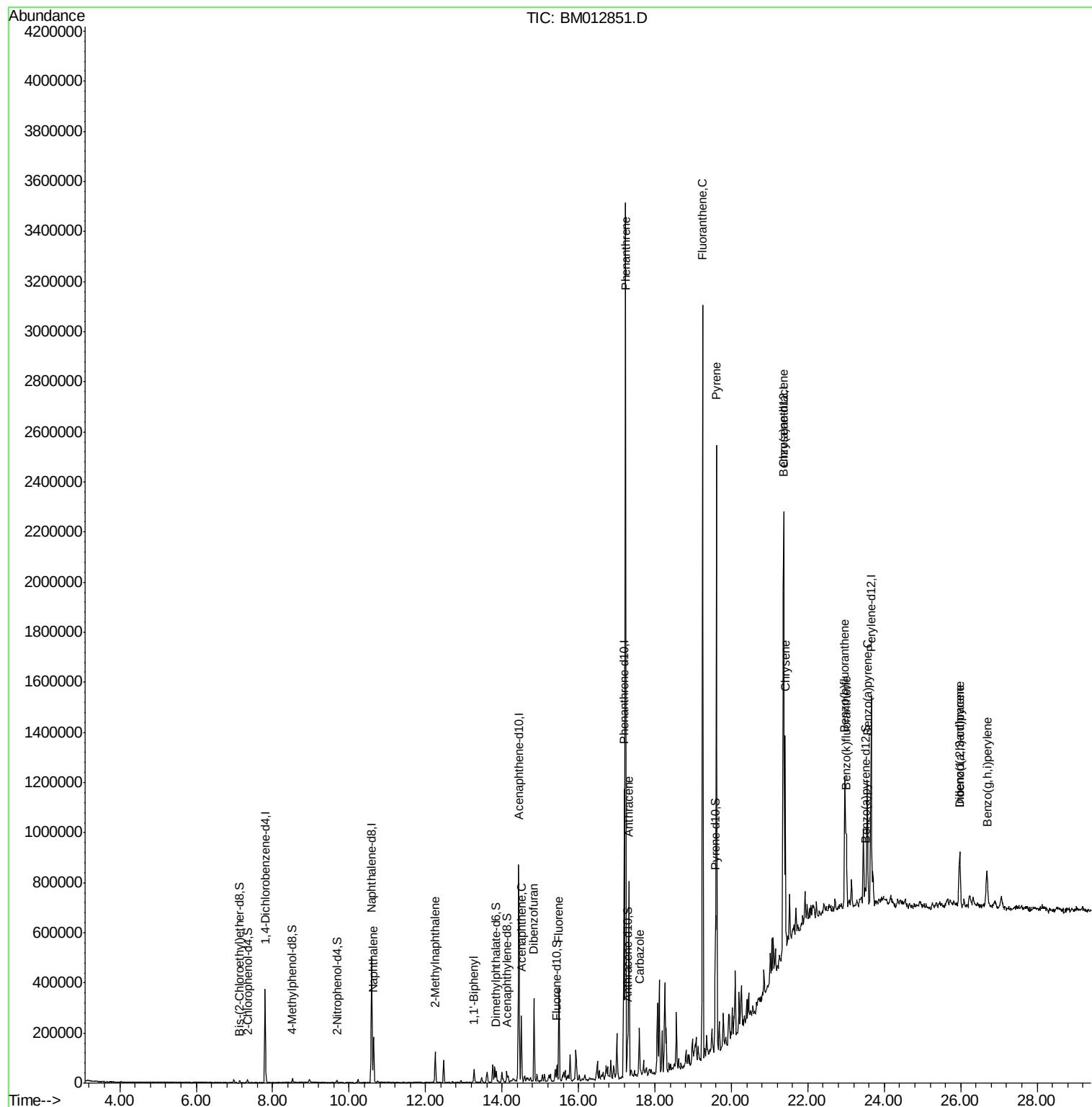
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012851.D
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Sample : I5955-14DL 30X
Misc :
ALS Vial : 36 Sample Multiplier: 1

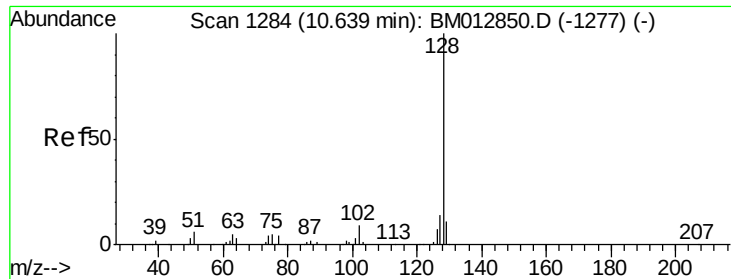
Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717DL

Quant Time: Nov 09 17:08:12 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
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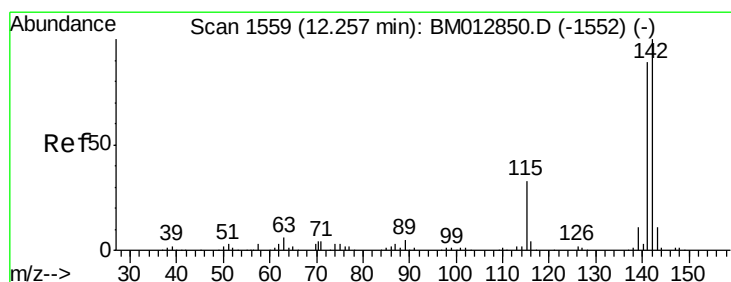
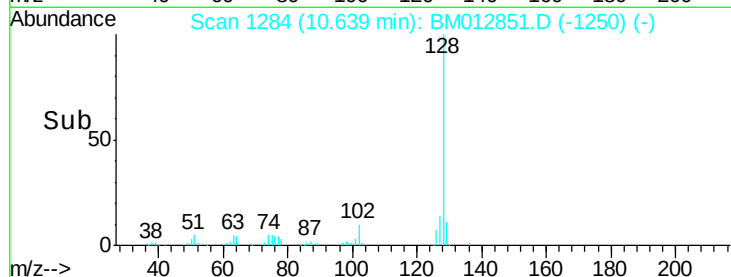
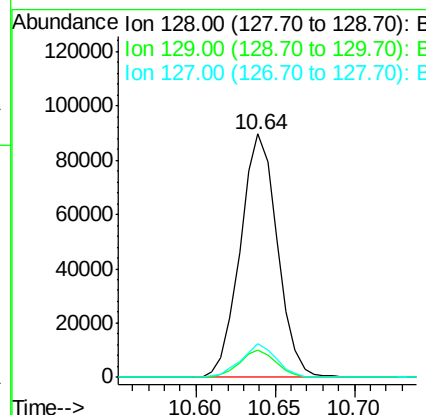
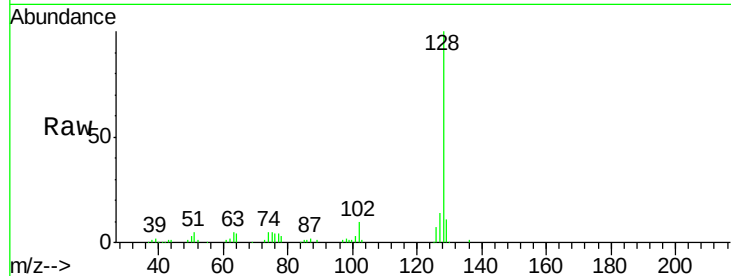
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Naphthalene
Concen: 6.734 ng/ul
RT: 10.64 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BM012851.D
Acq: 09 Nov 2017 13:59

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

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.7	10.5	15.7

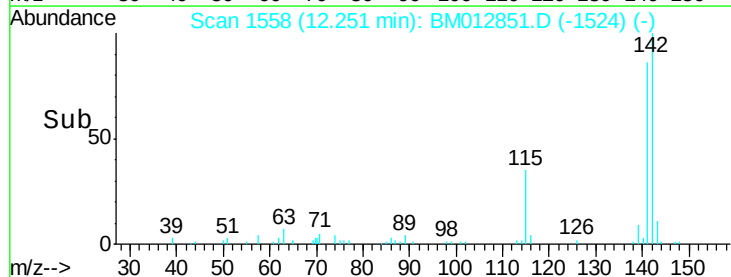
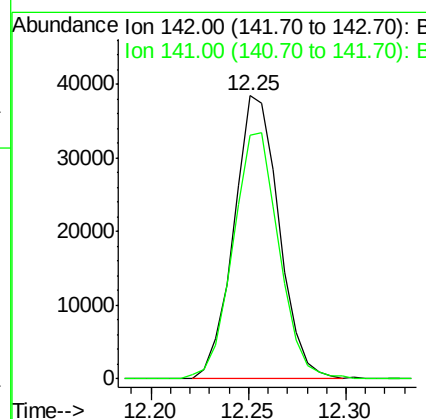
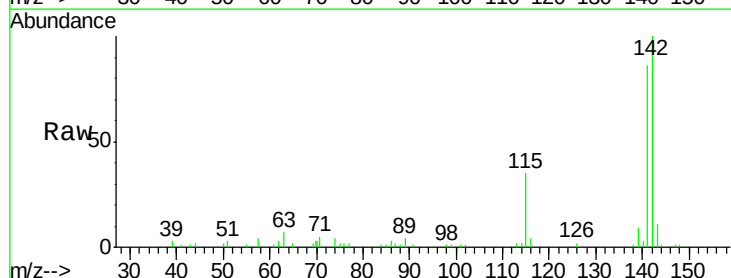
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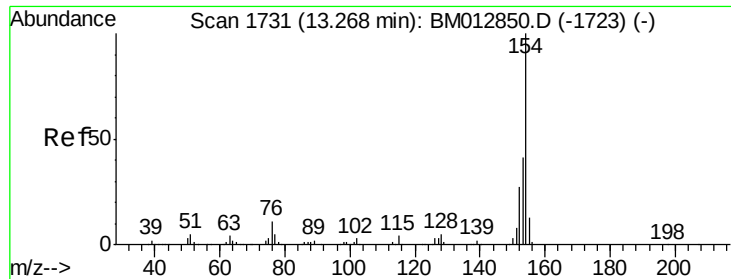
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#34
2-Methylnaphthalene
Concen: 3.729 ng/ul
RT: 12.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BM012851.D
Acq: 09 Nov 2017 13:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.1	71.6	107.4





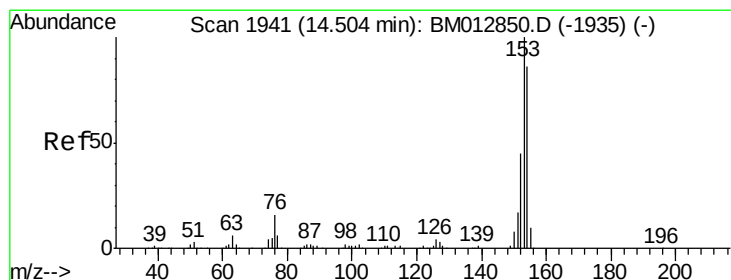
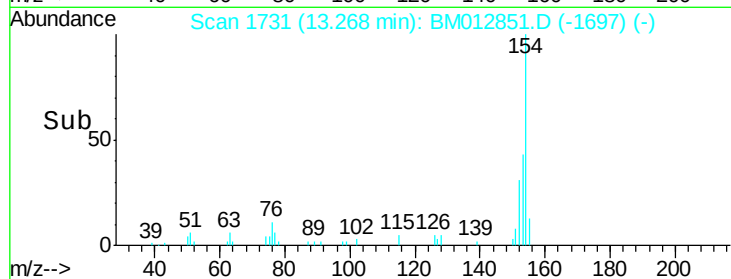
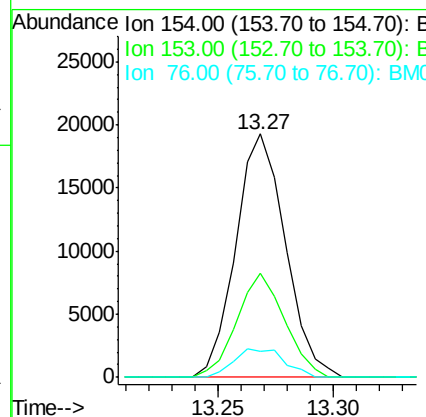
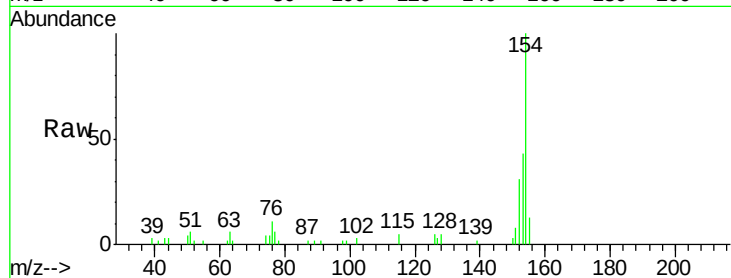
#40
1,1'-Biphenyl
Concen: 1.222 ng/ul
RT: 13.27 min Scan# 1731
Delta R.T. -0.00 min
Lab File: BM012851.D
Acq: 09 Nov 2017 13:59

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

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.0	32.1	48.1
76	10.9	9.5	14.3

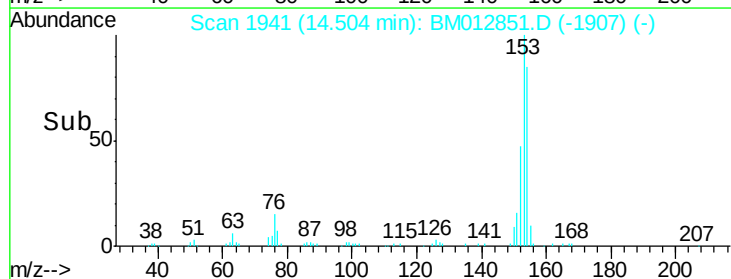
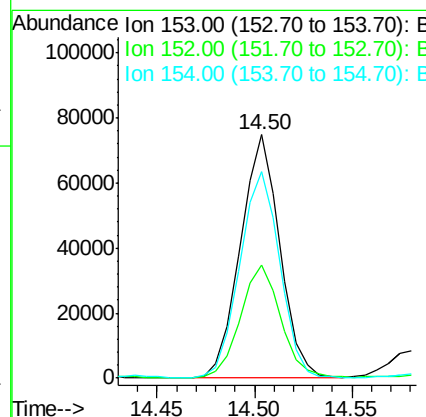
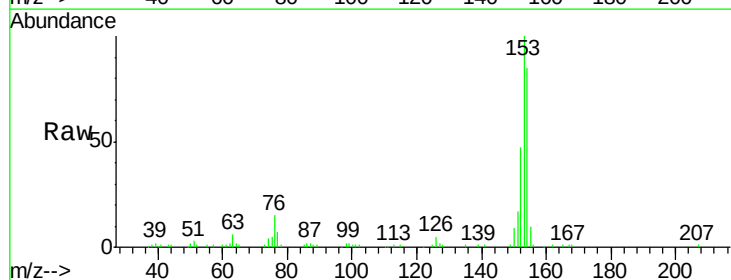
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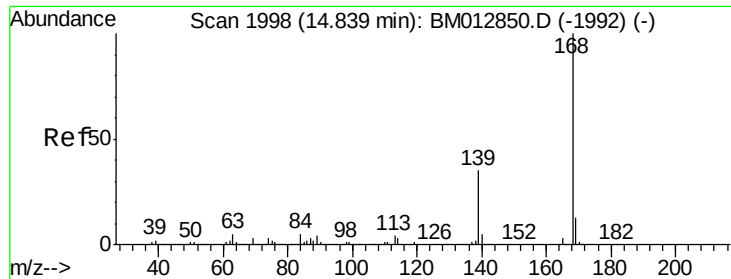
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#49
Acenaphthene
Concen: 5.431 ng/ul
RT: 14.50 min Scan# 1941
Delta R.T. -0.00 min
Lab File: BM012851.D
Acq: 09 Nov 2017 13:59

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.6	38.3	57.5
154	84.8	71.8	107.8





#53

Dibenzofuran

Concen: 6.907 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BM012851.D

Acq: 09 Nov 2017 13:59

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717DL

Tgt Ion:168 Resp: 194711

Ion Ratio Lower Upper

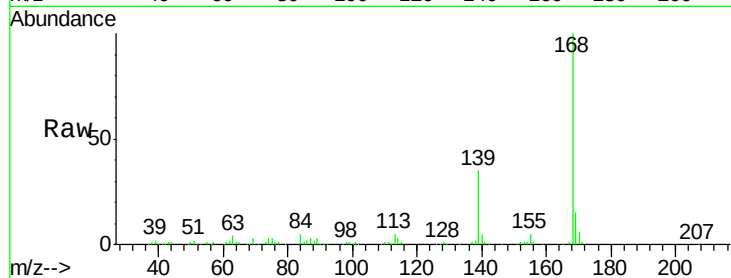
168 100

139 34.8 32.2 48.2

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

150000

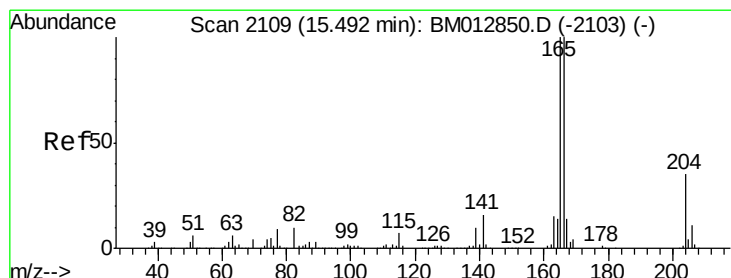
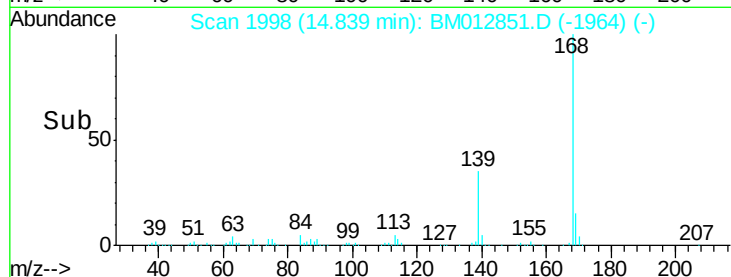
100000

50000

0

14.80 14.84 14.90

Time-->



#58

Fluorene

Concen: 6.641 ng/ul

RT: 15.49 min Scan# 2109

Delta R.T. -0.00 min

Lab File: BM012851.D

Acq: 09 Nov 2017 13:59

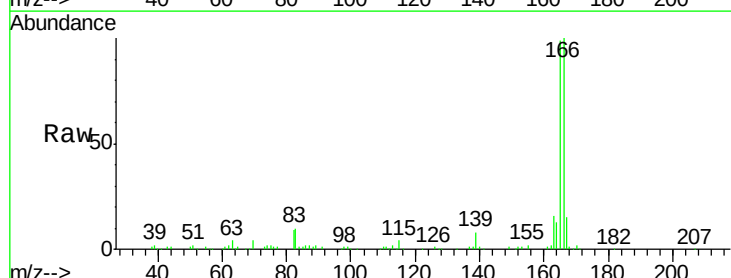
Tgt Ion:166 Resp: 155526

Ion Ratio Lower Upper

166 100

165 98.5 78.5 117.7

167 15.2 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

150000

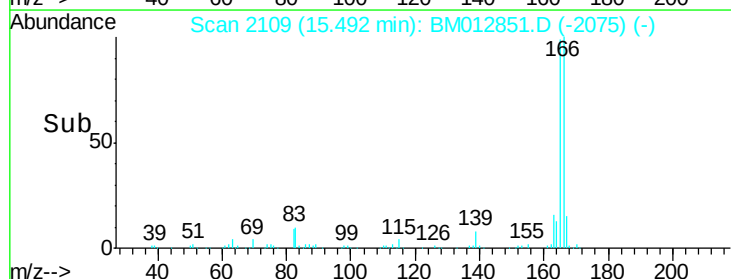
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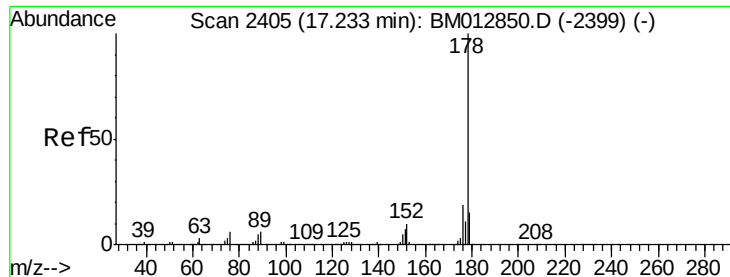
50000

0

15.45 15.49 15.55

Time-->





#69

Phenanthrene

Concen: 54.318 ng/ul m

RT: 17.23 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BM012851.D

Acq: 09 Nov 2017 13:59

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717DL

Tgt Ion:178 Resp: 2071493

Ion Ratio Lower Upper

178 100

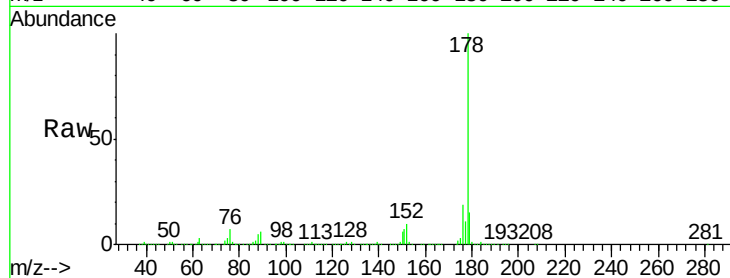
179 15.4 12.2 18.4

176 18.8 15.6 23.4

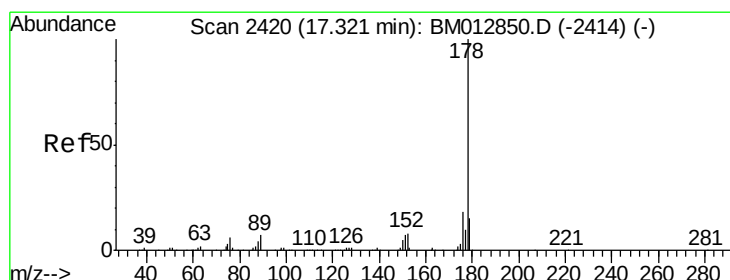
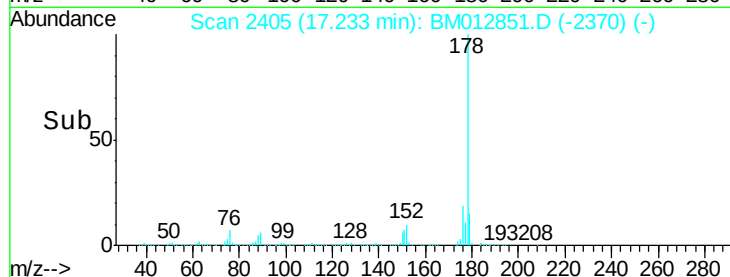
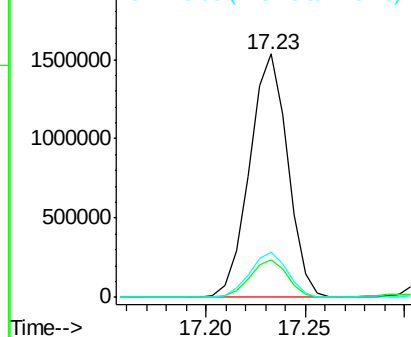
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 12.531 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BM012851.D

Acq: 09 Nov 2017 13:59

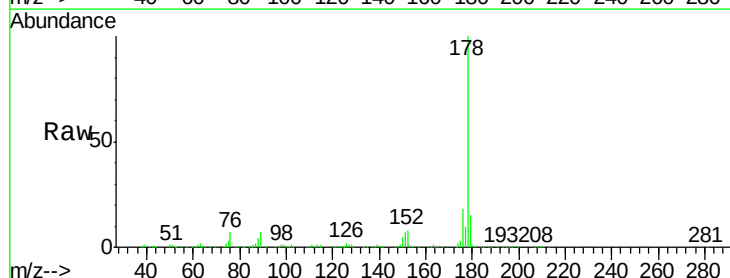
Tgt Ion:178 Resp: 495485

Ion Ratio Lower Upper

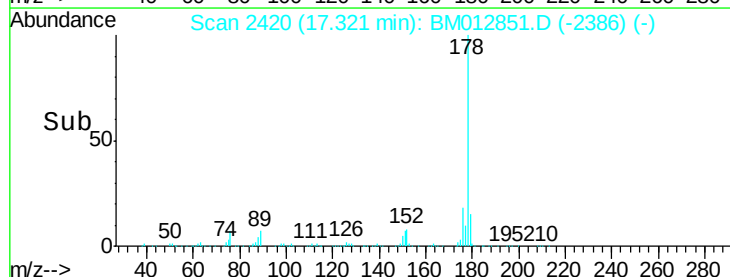
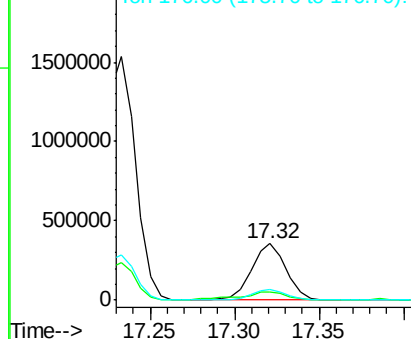
178 100

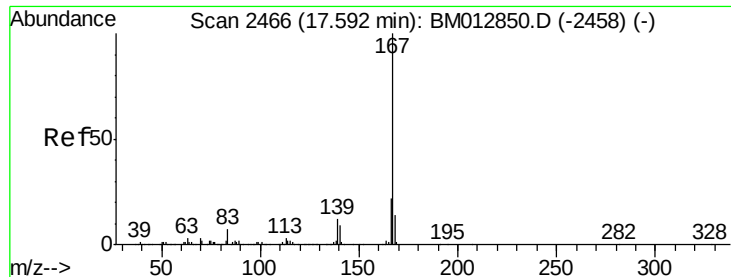
179 15.3 12.1 18.1

176 17.9 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





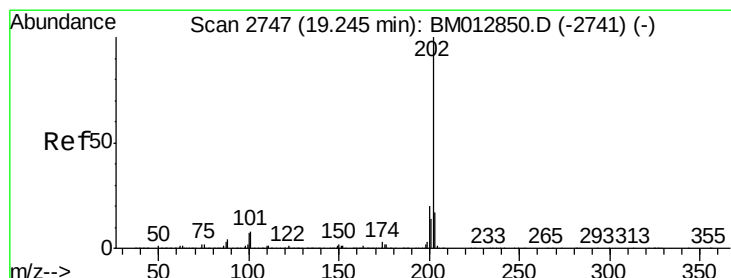
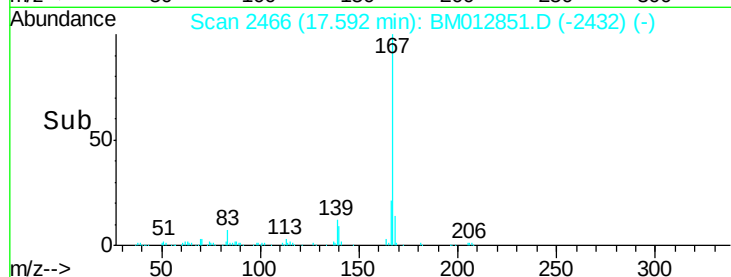
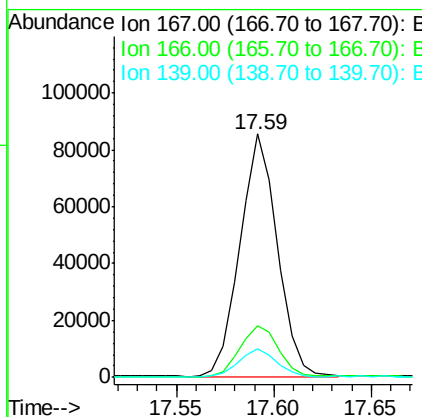
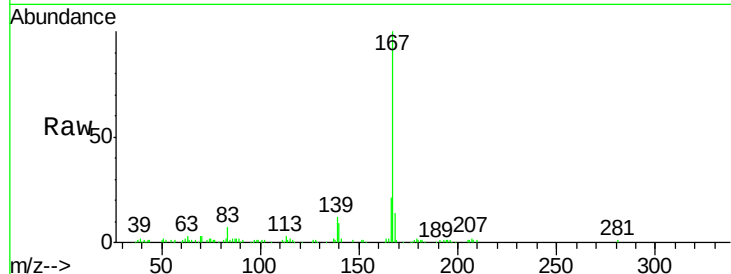
#74
 Carbazole
 Concen: 3.432 ng/ul
 RT: 17.59 min Scan# 2466
 Delta R.T. -0.00 min
 Lab File: BM012851.D
 Acq: 09 Nov 2017 13:59

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

Tgt	Ion	Ratio	Resp	Lower	Upper
167	100		113183		
166	21.1		17.0	25.6	
139	11.9		11.0	16.4	

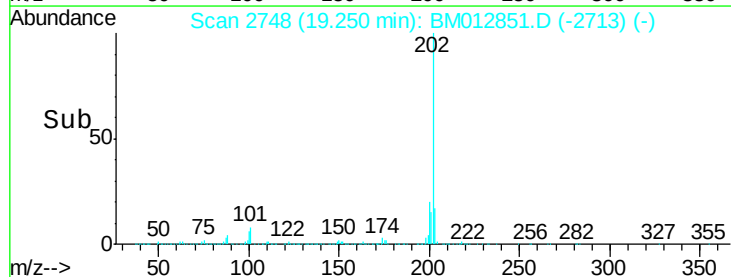
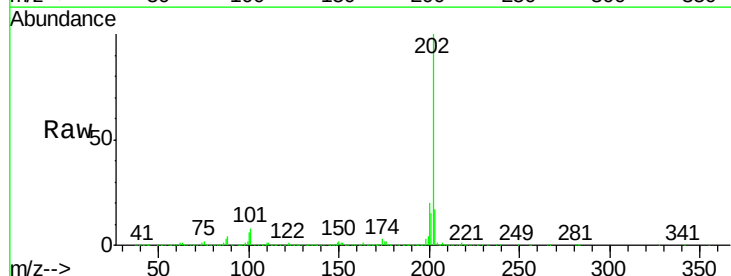
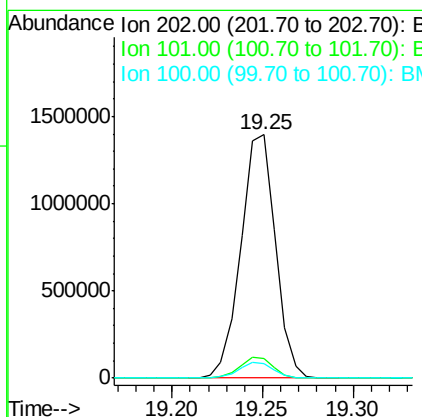
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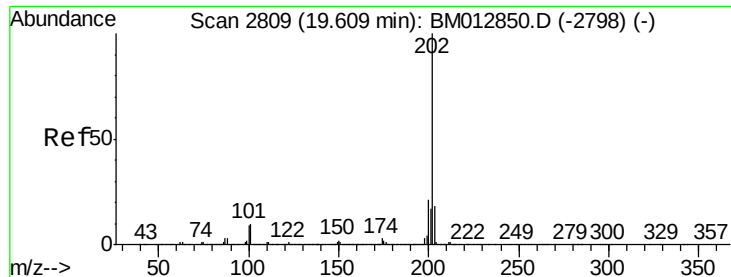
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#76
 Fluoranthene
 Concen: 40.328 ng/ul
 RT: 19.25 min Scan# 2748
 Delta R.T. 0.01 min
 Lab File: BM012851.D
 Acq: 09 Nov 2017 13:59

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		1848128		
101	7.8		8.8	13.2#	
100	6.1		6.6	9.8#	





#79

Pyrene

Concen: 36.132 ng/ul

RT: 19.61 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BM012851.D

Acq: 09 Nov 2017 13:59

Instrument :

BNA_M

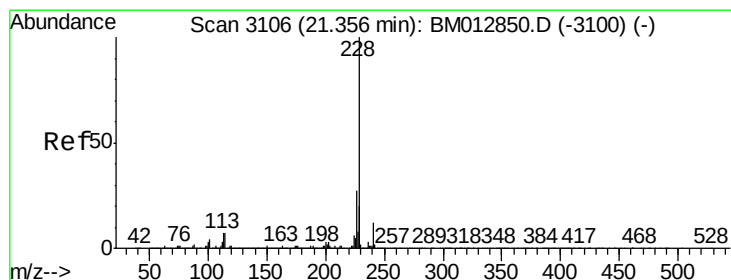
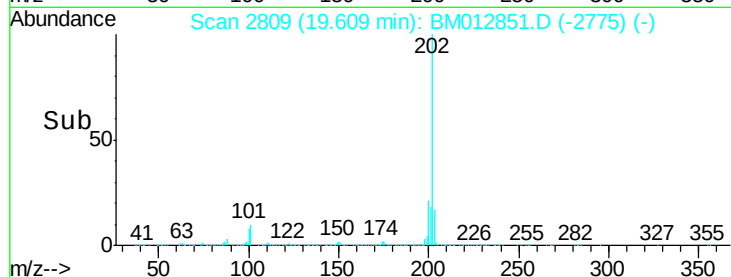
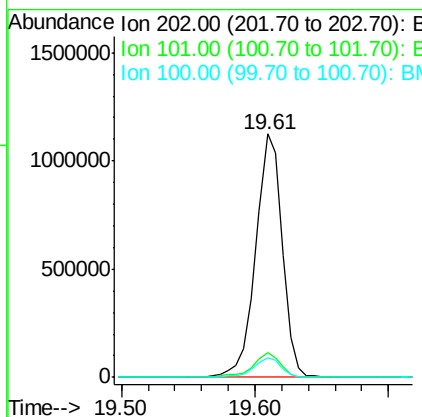
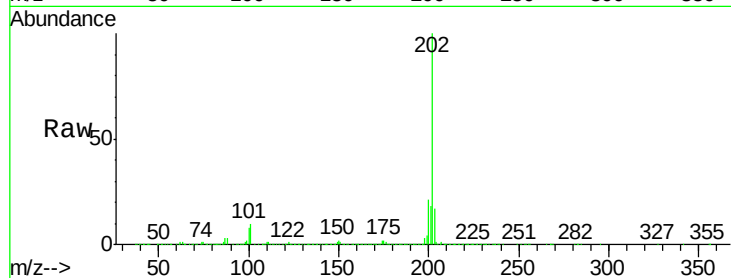
ClientSampleId :

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Tgt Ion:	202	Resp:	1529354
Ion Ratio	Lower	Upper	
202	100		
101	10.0	10.2	15.2#
100	8.1	8.5	12.7#

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#82

Benzo(a)anthracene

Concen: 13.527 ng/ul

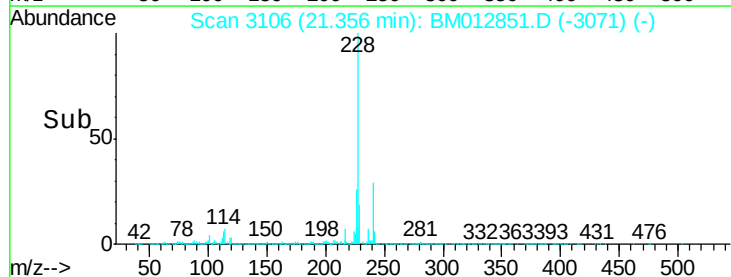
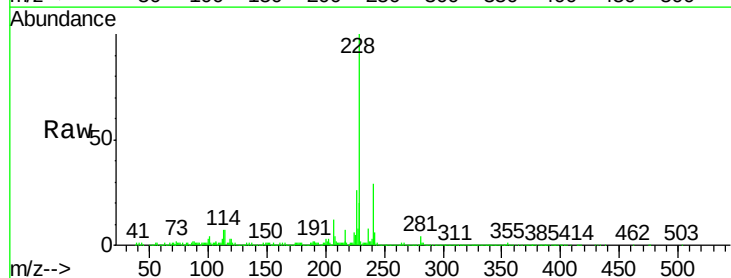
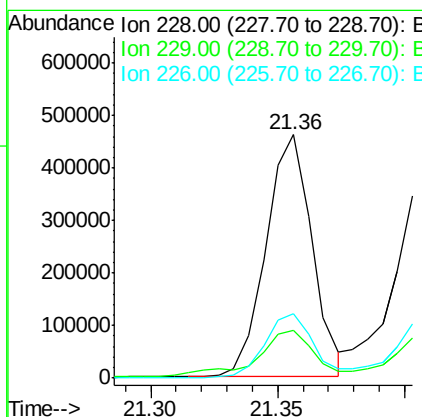
RT: 21.36 min Scan# 3106

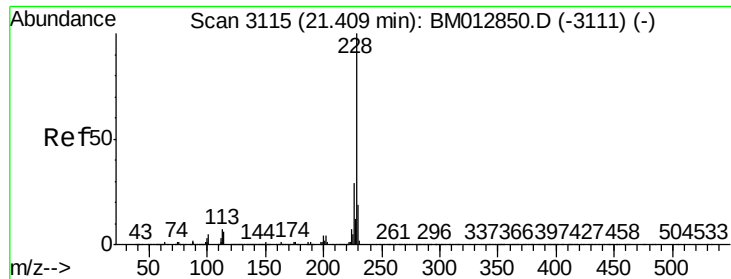
Delta R.T. 0.01 min

Lab File: BM012851.D

Acq: 09 Nov 2017 13:59

Tgt Ion:	228	Resp:	580712
Ion Ratio	Lower	Upper	
228	100		
229	19.8	15.7	23.5
226	26.4	21.8	32.6





#84

Chrysene

Concen: 12.551 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. -0.00 min

Lab File: BM012851.D

Acq: 09 Nov 2017 13:59

Instrument :

BNA_M

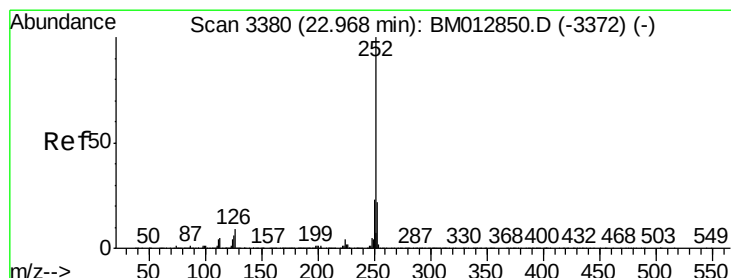
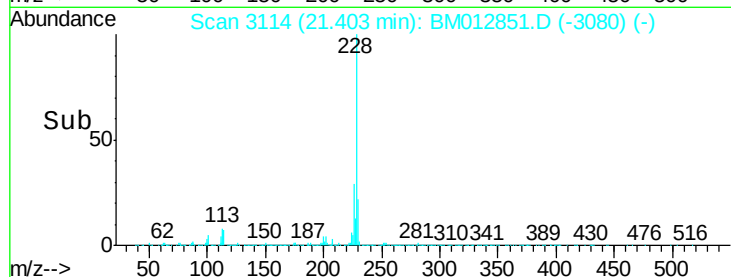
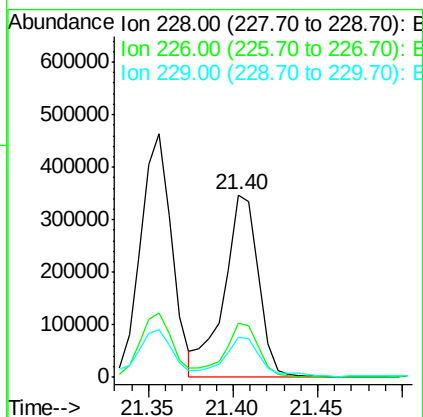
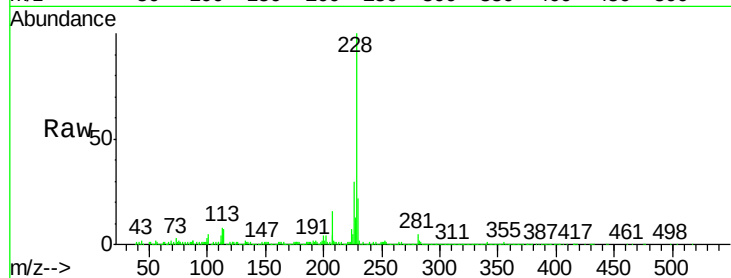
ClientSampleId :

B-6(5-5.5)-101717DL

Tgt Ion:	228	Resp:	488321
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.0	36.0
229	22.1	15.6	23.4

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 12.944 ng/ul

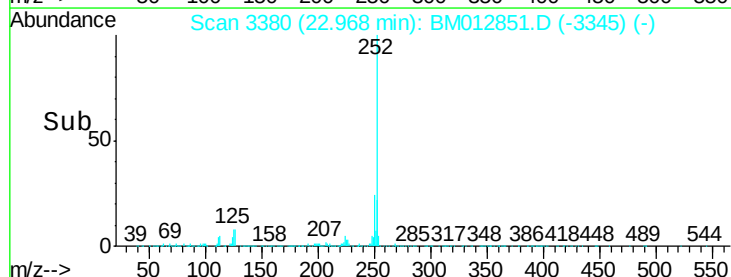
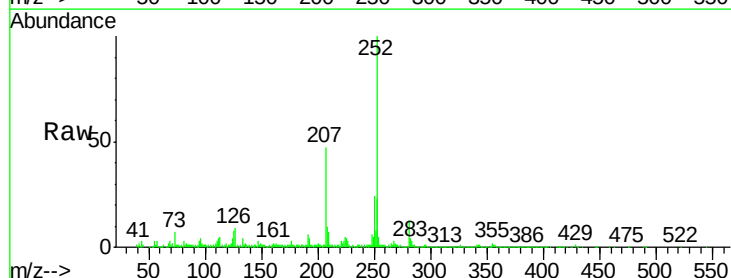
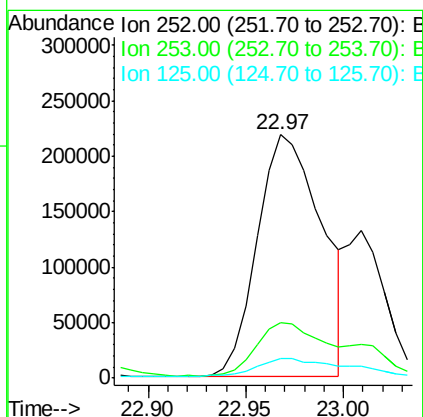
RT: 22.97 min Scan# 3380

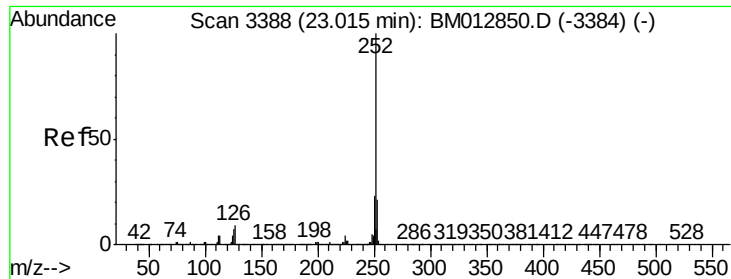
Delta R.T. 0.01 min

Lab File: BM012851.D

Acq: 09 Nov 2017 13:59

Tgt Ion:	252	Resp:	500397
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	8.3	8.5	12.7#





#88

Benzo(k)fluoranthene

Concen: 4.798 ng/ul

RT: 23.01 min Scan# 3387

Delta R.T. -0.00 min

Lab File: BM012851.D

Acq: 09 Nov 2017 13:59

Instrument :

BNA_M

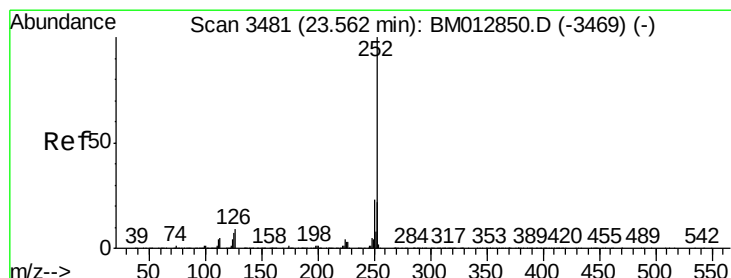
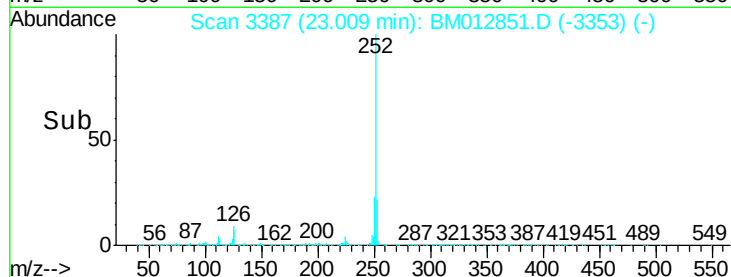
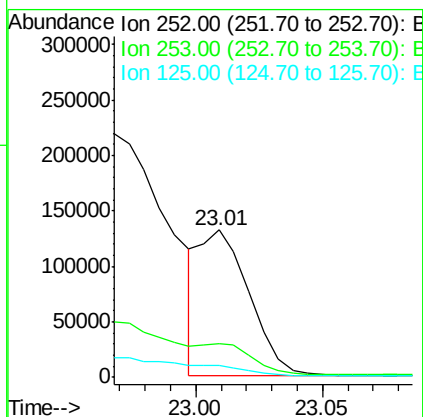
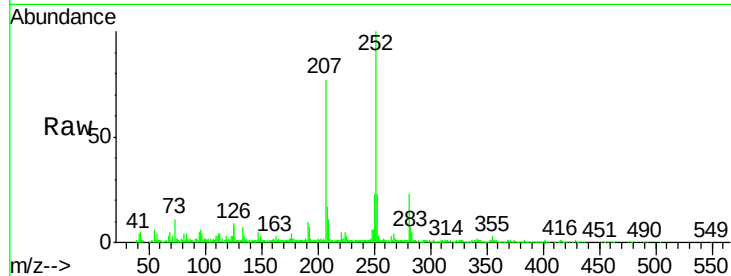
ClientSampleId :

B-6(5-5.5)-101717DL

Tgt Ion:	252	Resp:	176293
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.3	25.9
125	8.2	8.2	12.2

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 11.016 ng/ul m

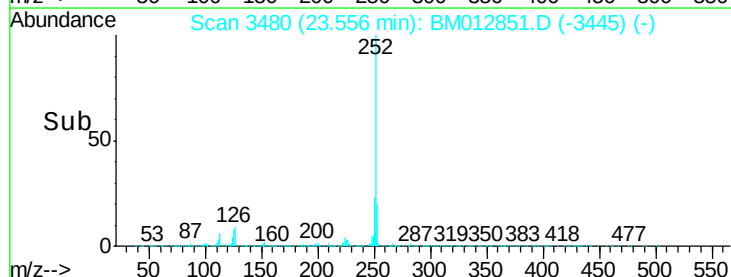
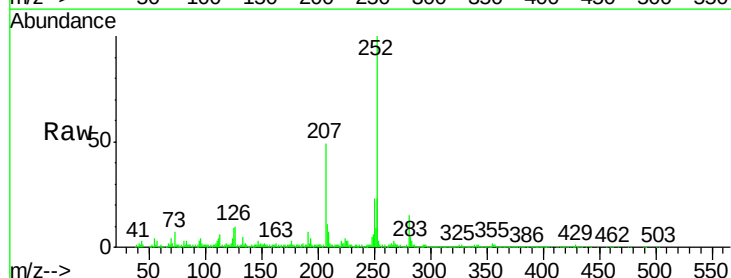
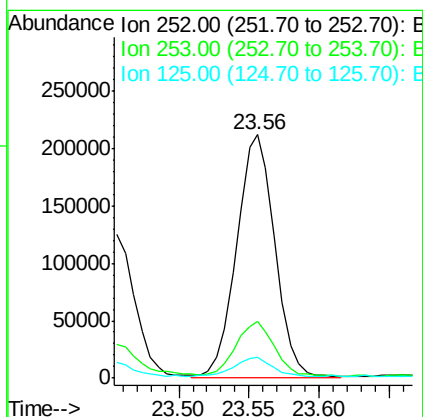
RT: 23.56 min Scan# 3480

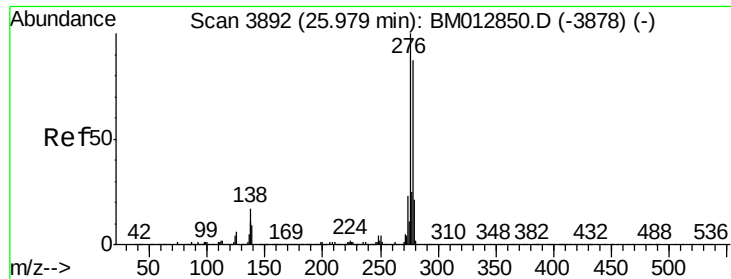
Delta R.T. 0.01 min

Lab File: BM012851.D

Acq: 09 Nov 2017 13:59

Tgt Ion:	252	Resp:	405241
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.2	25.8
125	8.5	9.0	13.6#





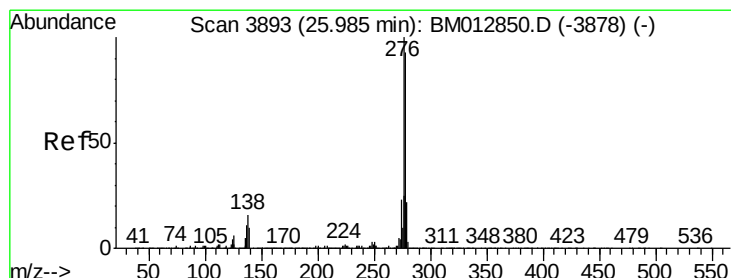
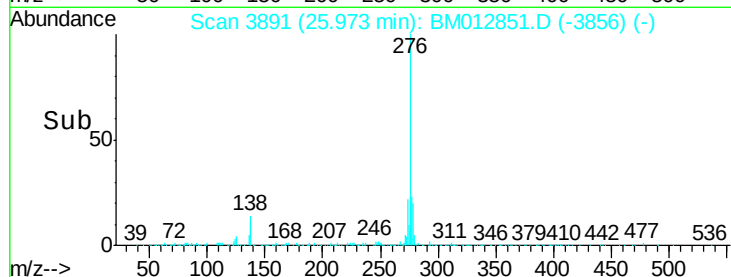
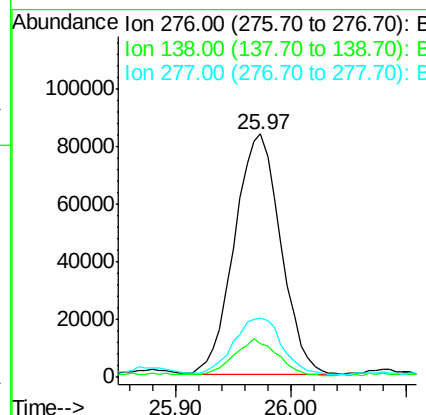
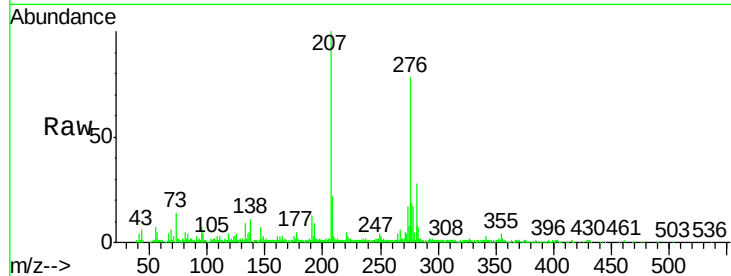
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 5.213 ng/ul
 RT: 25.97 min Scan# 3891
 Delta R.T. 0.01 min
 Lab File: BM012851.D
 Acq: 09 Nov 2017 13:59

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	22.3	33.5#
277	24.1	20.2	30.2

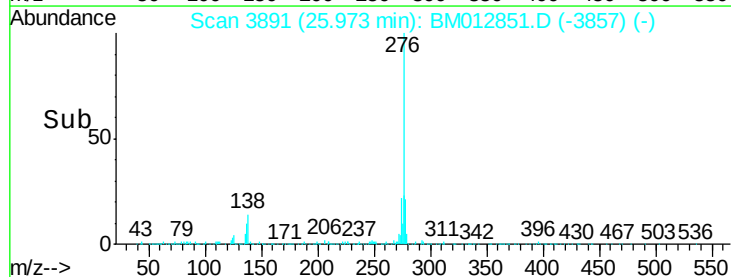
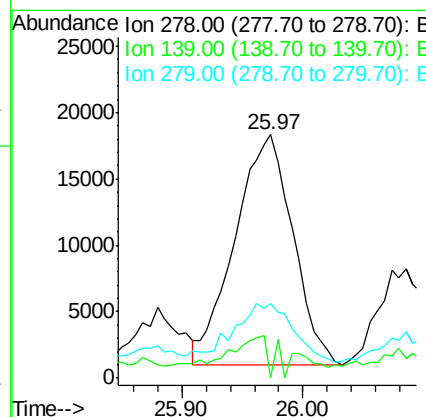
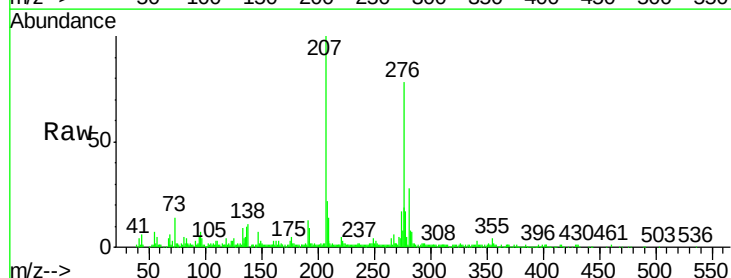
Manual Integrations
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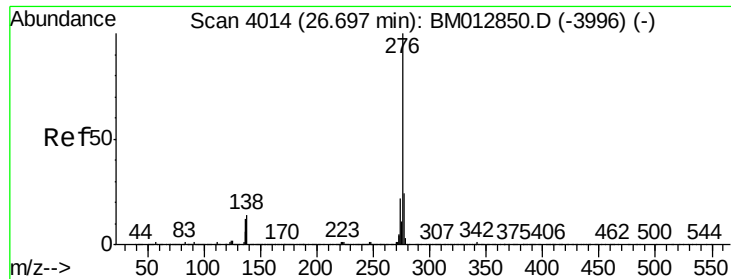
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 11/9/2017 6:00:29 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 1.545 ng/ul
 RT: 25.97 min Scan# 3891
 Delta R.T. -0.00 min
 Lab File: BM012851.D
 Acq: 09 Nov 2017 13:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.9	20.9#
279	30.8	19.0	28.4#





#93

Benzo(g,h,i)perylene

Concen: 5.249 ng/ul

RT: 26.69 min Scan# 4012

Delta R.T. 0.01 min

Lab File: BM012851.D

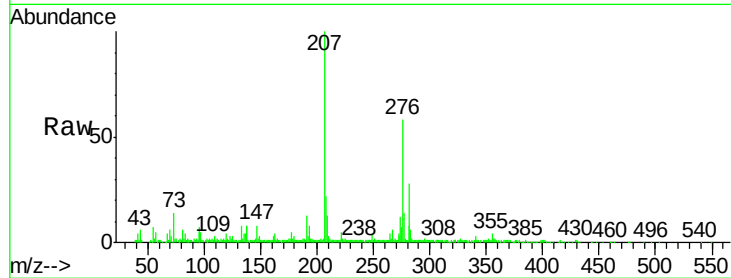
Acq: 09 Nov 2017 13:59

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717DL



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		191752		
138	14.4	18.9	28.3#		
277	23.4	19.2	28.8		

Manual Integrations
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