

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:15 PM

Quant Time: Nov 07 05:37:27 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	86290	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	377779	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	262990	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	648821m	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	732745	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	660318	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.99	99	5713	0.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	3208	0.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	4756	0.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	5136	0.93	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	2497	0.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	2773	0.87	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	5497	0.84	ng/ul	0.02
29) 4-Chloroaniline-d4	10.76	131	2971	0.47	ng/ul	0.02
43) Dimethylphthalate-d6	13.86	166	24132	1.11	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	27029	1.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	1236	0.35	ng/ul	0.03
57) Fluorene-d10	15.44	176	21565	1.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	1080	0.25	ng/ul	0.00
70) Anthracene-d10	17.29	188	35954	1.15	ng/ul	0.00
78) Pyrene-d10	19.59	212	38813	1.14	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	35994	1.15	ng/ul	0.00

Target Compounds

					Qvalue	
49) Acenaphthene	14.51	153	43460	2.445	ng/ul	97
53) Dibenzofuran	14.84	168	38702	1.493	ng/ul	90
58) Fluorene	15.50	166	60138	2.793	ng/ul	98
69) Phenanthrene	17.24	178	778458m	21.951	ng/ul	
71) Anthracene	17.33	178	190966	5.194	ng/ul	99
74) Carbazole	17.60	167	64290	2.096	ng/ul	99
75) Di-n-butylphthalate	18.16	149	150729	4.195	ng/ul	99
76) Fluoranthene	19.25	202	1071996	25.155	ng/ul#	94
79) Pyrene	19.62	202	846762	19.369	ng/ul#	91
82) Benzo(a)anthracene	21.36	228	406741	9.173	ng/ul	100
84) Chrysene	21.41	228	358247	8.915	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	435594	10.795	ng/ul#	96
88) Benzo(k)fluoranthene	23.01	252	126601m	3.301	ng/ul	
90) Benzo(a)pyrene	23.56	252	294000m	7.657	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.97	276	155306	3.356	ng/ul#	83
92) Dibenzo(a,h)anthracene	25.97	278	40428	1.032	ng/ul#	86
93) Benzo(g,h,i)perylene	26.68	276	134158	3.518	ng/ul#	87

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

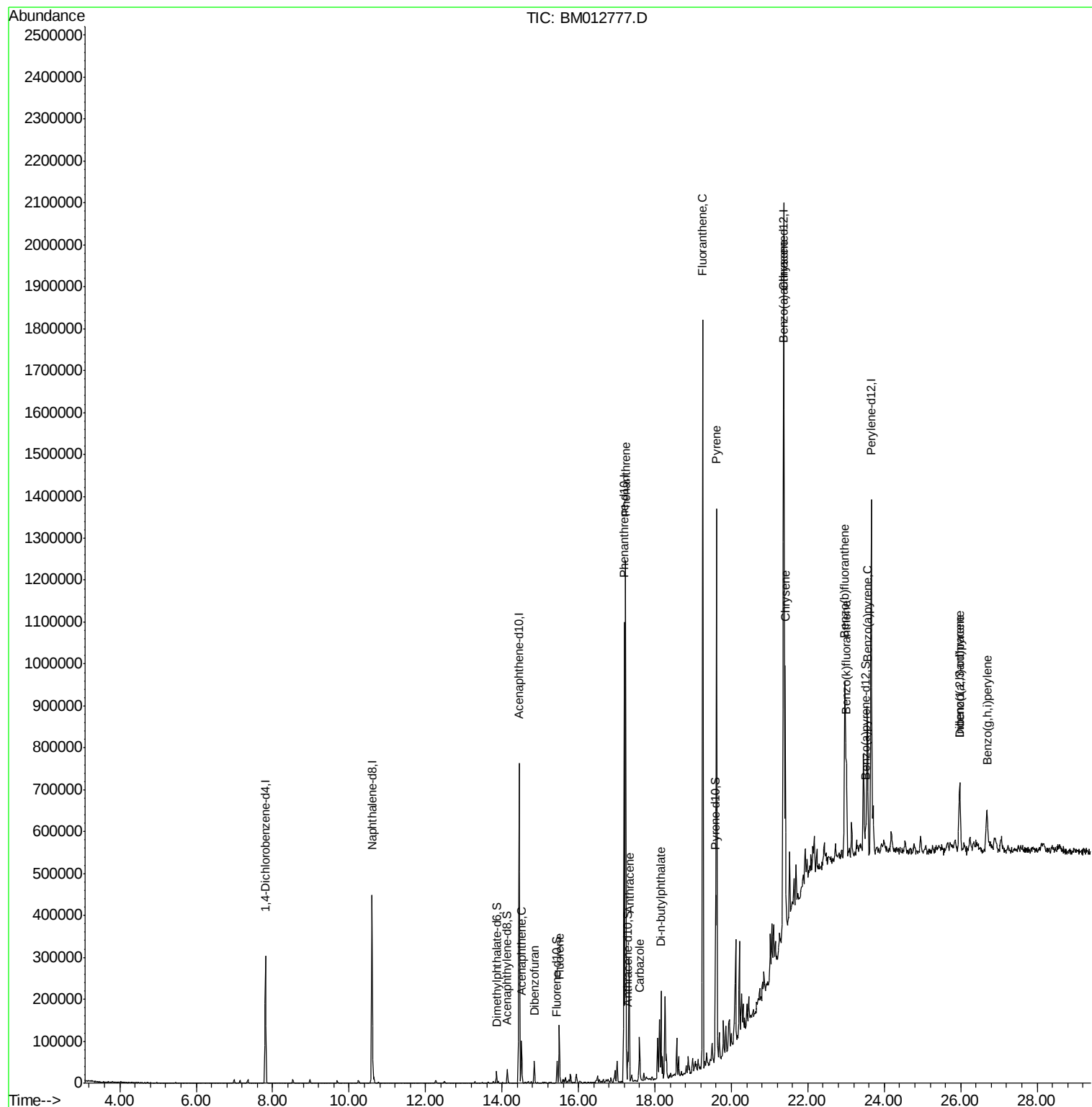
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012777.D
Acq On : 06 Nov 2017 14:59
Operator : SJ/JU
Sample : I5825-03DL 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

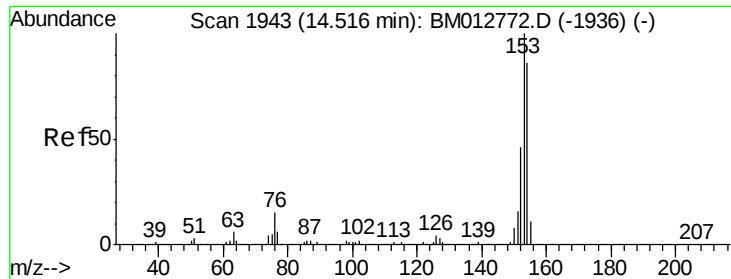
Instrument :
BNA_M
ClientSampleId :
B-63(1-3)-101117DL

Quant Time: Nov 07 05:37:27 2017
Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Manual Integrations
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#49

Acenaphthene

Concen: 2.445 ng/ul

RT: 14.51 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

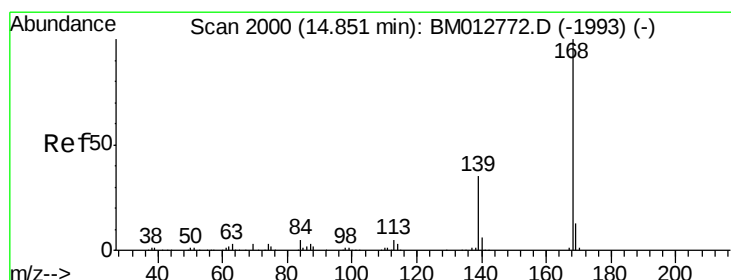
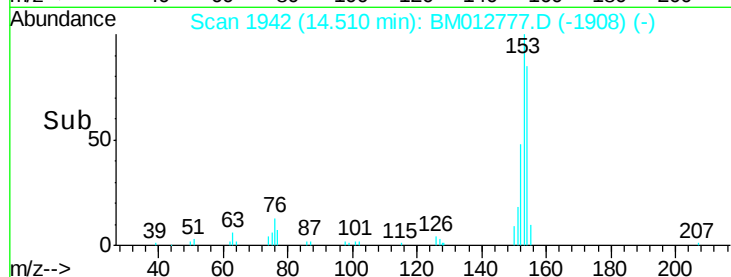
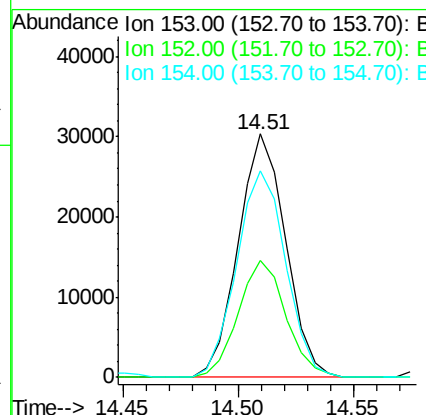
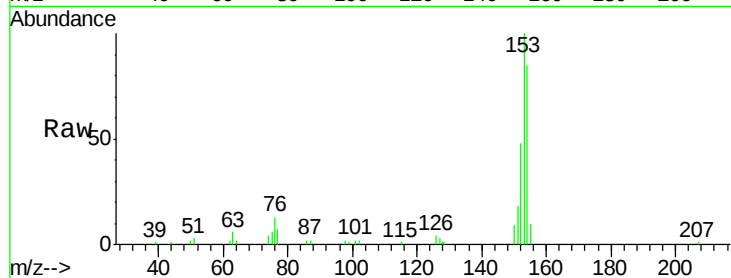
ClientSampleId :

B-63(1-3)-101117DL

Tgt Ion:	153	Resp:	43460
Ion Ratio	Lower	Upper	
153	100		
152	48.1	38.3	57.5
154	85.0	71.8	107.8

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#53

Dibenzofuran

Concen: 1.493 ng/ul

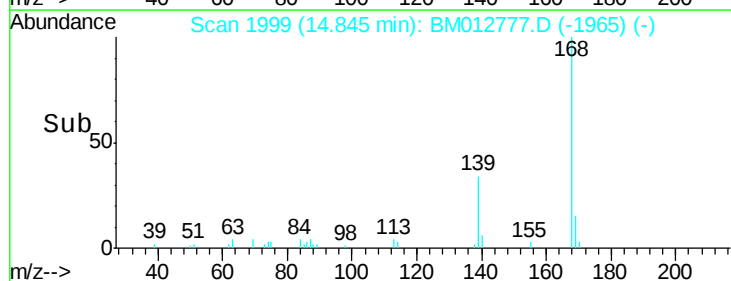
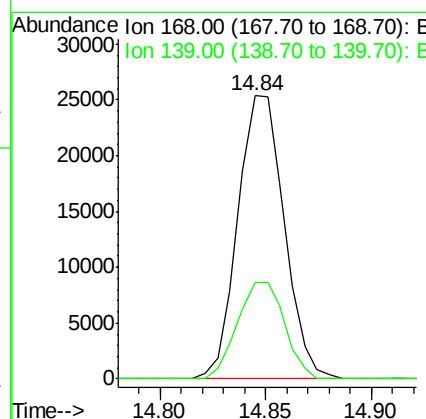
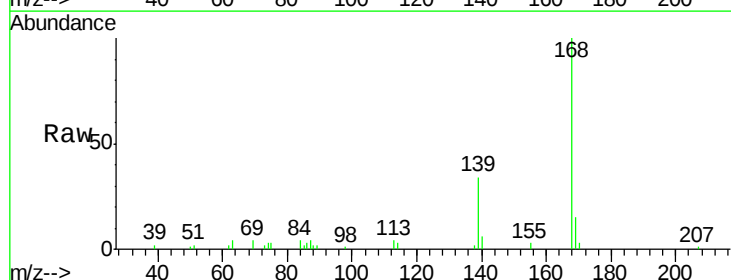
RT: 14.84 min Scan# 1999

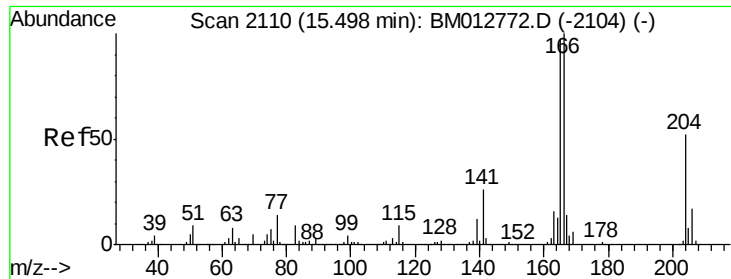
Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Tgt Ion:	168	Resp:	38702
Ion Ratio	Lower	Upper	
168	100		
139	34.0	32.2	48.2





#58

Fluorene

Concen: 2.793 ng/ul

RT: 15.50 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:166 Resp: 60138

Ion Ratio Lower Upper

166 100

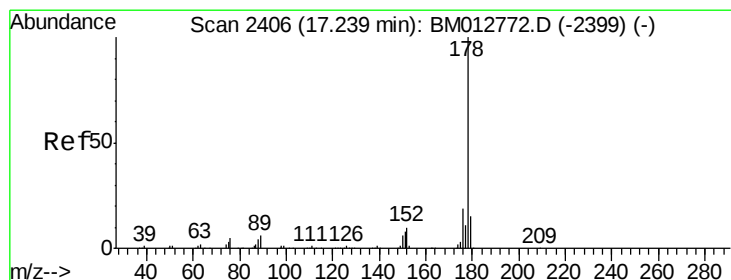
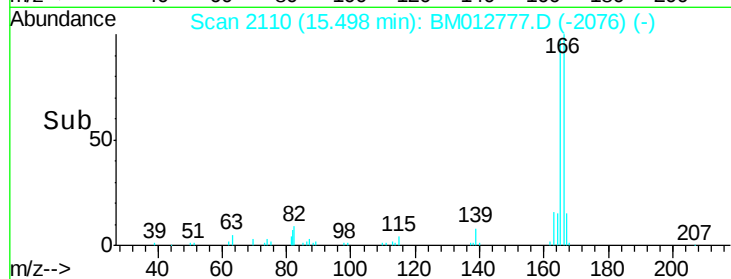
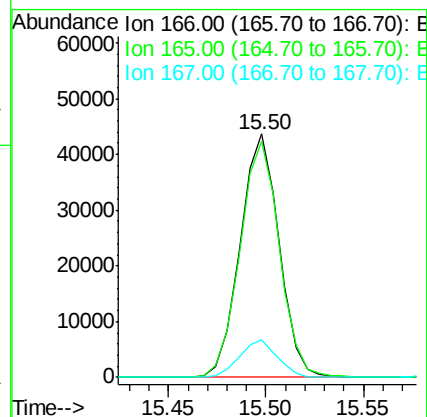
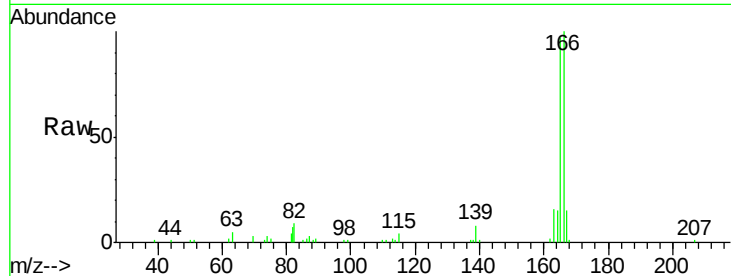
165 97.0 78.5 117.7

167 15.4 10.7 16.1

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#69

Phenanthrene

Concen: 21.951 ng/ul m

RT: 17.24 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

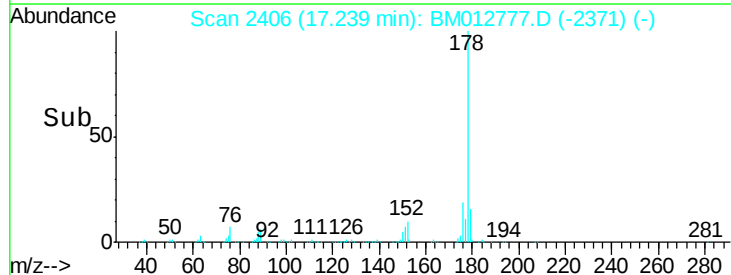
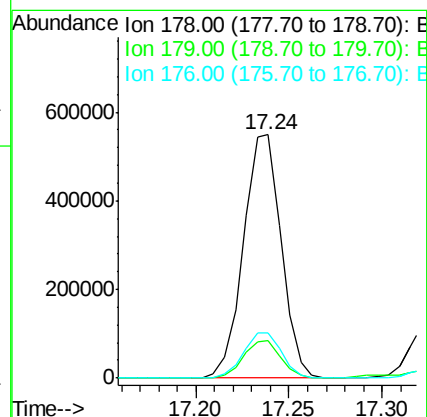
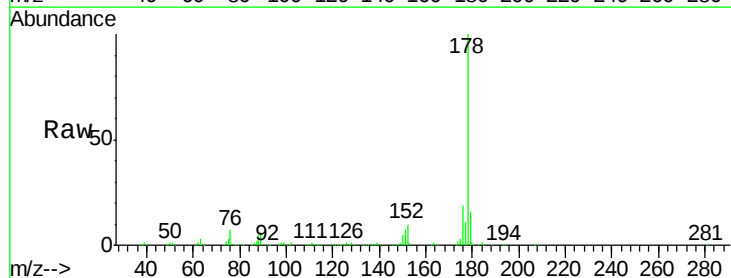
Tgt Ion:178 Resp: 778458

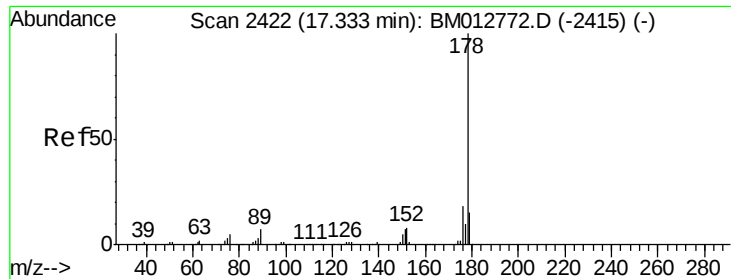
Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

176 18.6 15.6 23.4





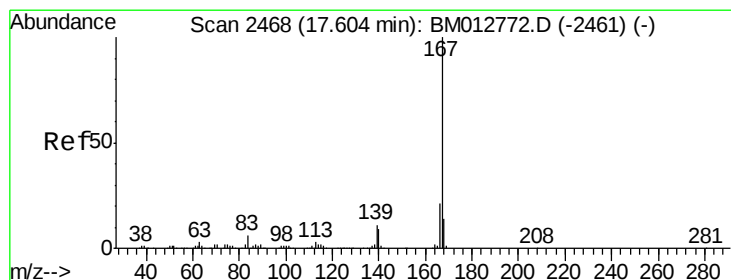
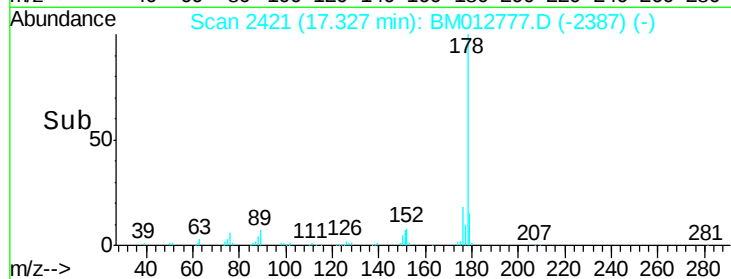
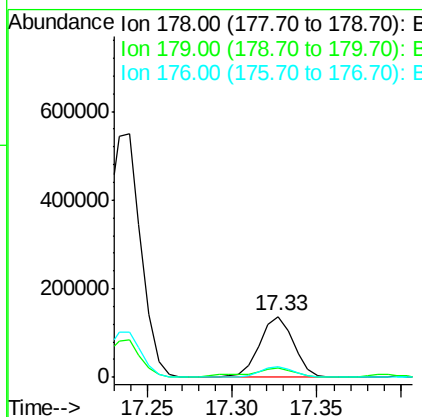
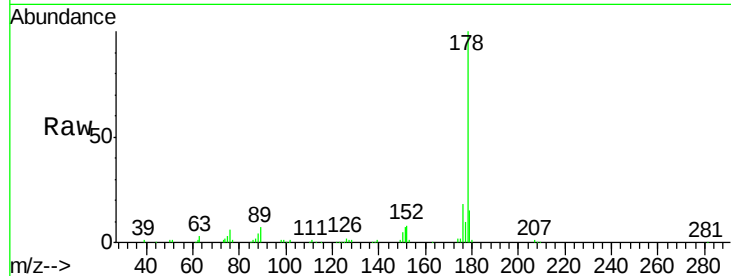
#71
 Anthracene
 Concen: 5.194 ng/ul
 RT: 17.33 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: BM012777.D
 Acq: 06 Nov 2017 14:59

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.1	18.1
176	18.0	14.8	22.2

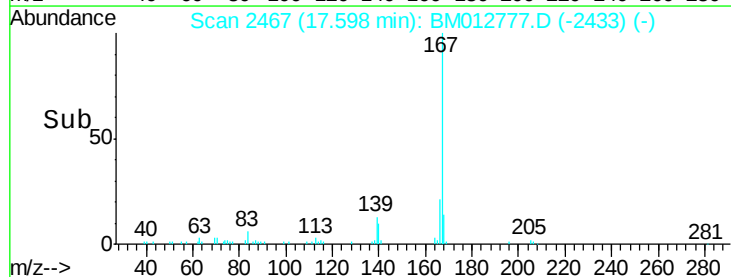
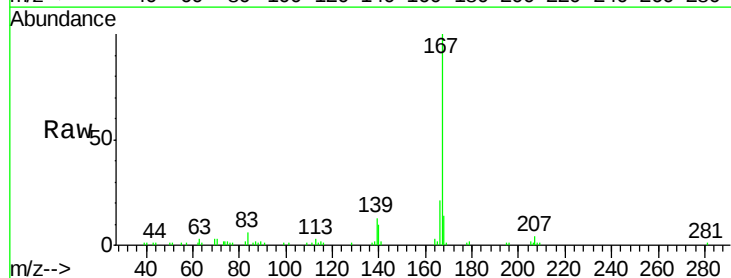
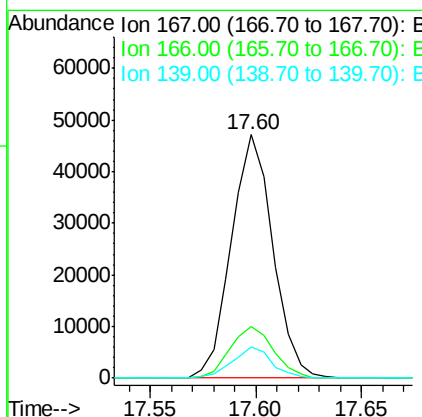
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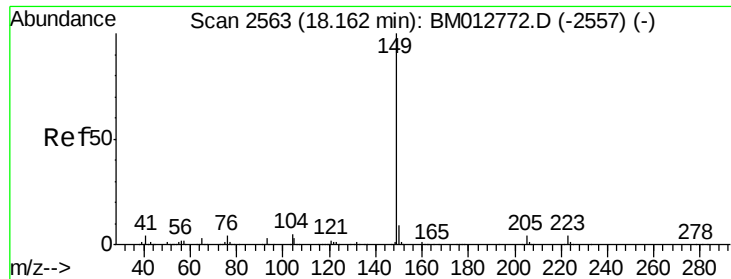
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#74
 Carbazole
 Concen: 2.096 ng/ul
 RT: 17.60 min Scan# 2467
 Delta R.T. -0.00 min
 Lab File: BM012777.D
 Acq: 06 Nov 2017 14:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.6	11.0	16.4





#75

Di-n-butylphthalate

Concen: 4.195 ng/ul

RT: 18.16 min Scan# 2562

Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

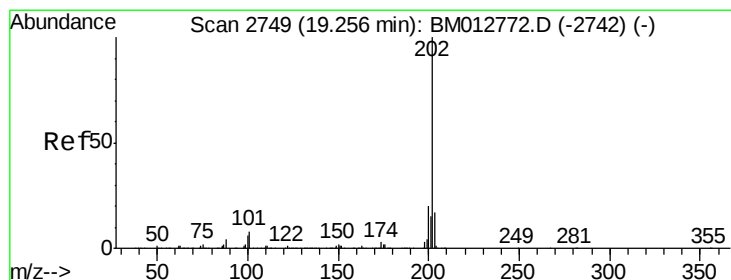
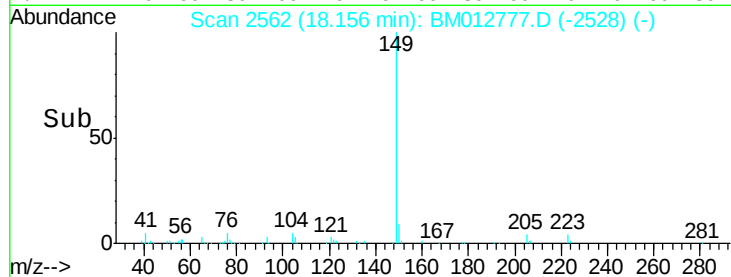
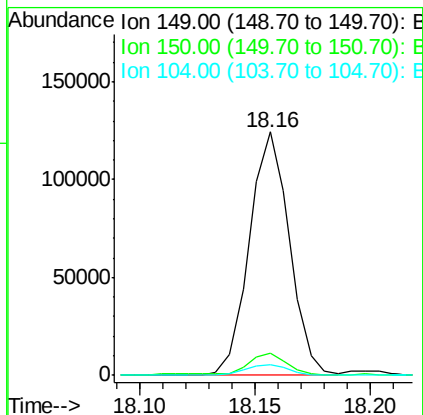
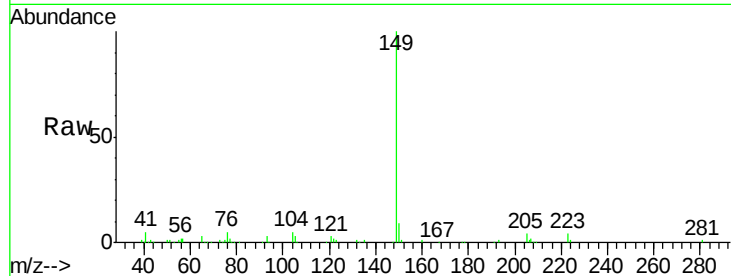
ClientSampleId :

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Tgt Ion:	149	Resp:	150729
Ion Ratio		Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.6	4.0	6.0

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#76

Fluoranthene

Concen: 25.155 ng/ul

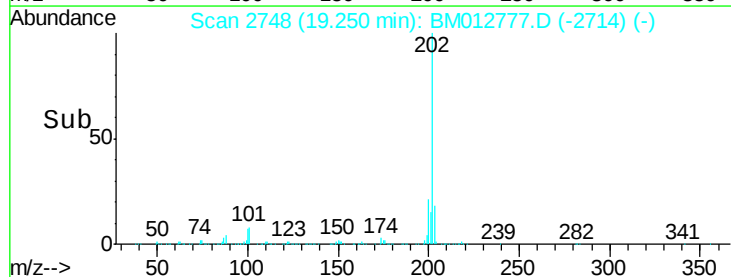
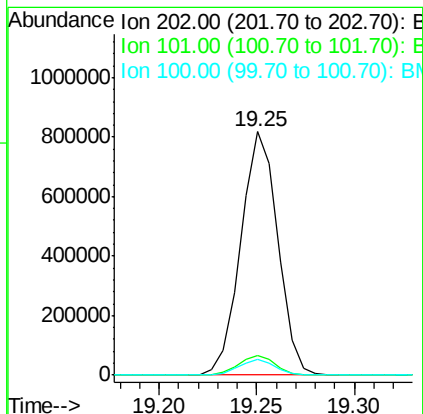
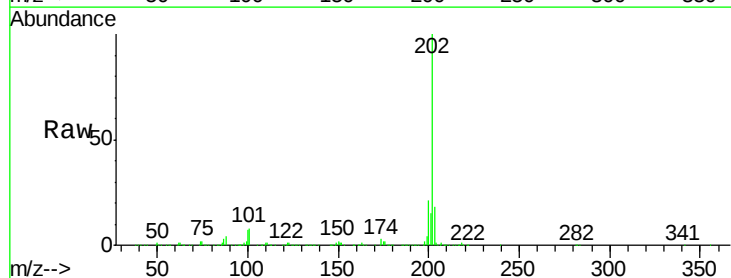
RT: 19.25 min Scan# 2748

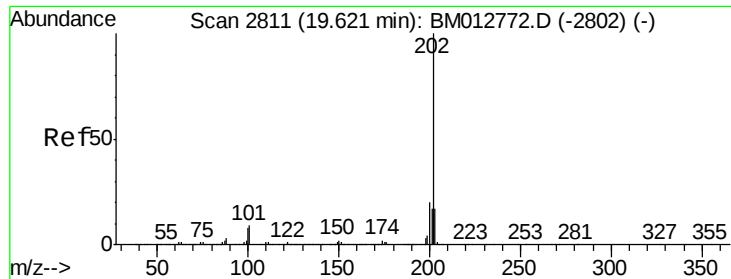
Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Tgt Ion:	202	Resp:	1071996
Ion Ratio		Lower	Upper
202	100		
101	8.3	8.8	13.2#
100	6.6	6.6	9.8





#79

Pyrene

Concen: 19.369 ng/ul

RT: 19.62 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

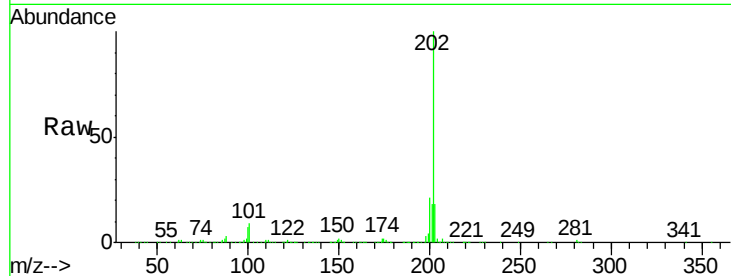
ClientSampleId :

B-63(1-3)-101117DL

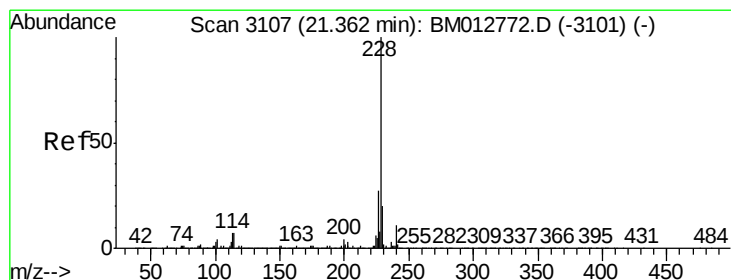
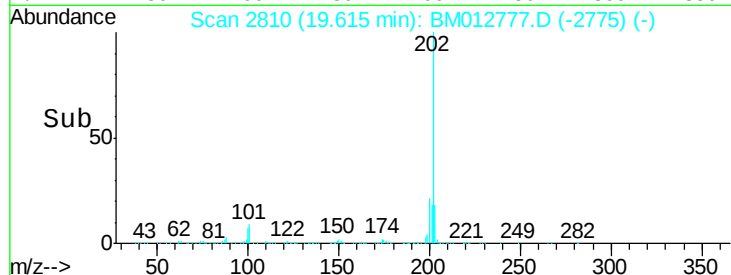
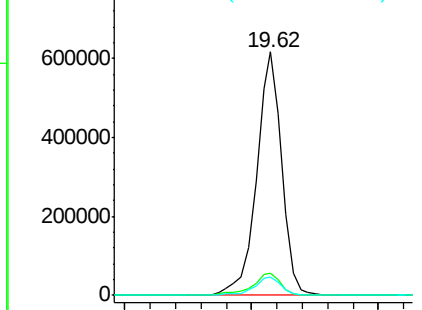
Tgt Ion:	202	Resp:	846762
Ion Ratio	Lower	Upper	
202	100		
101	9.0	10.2	15.2#
100	7.4	8.5	12.7#

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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



#82

Benzo(a)anthracene

Concen: 9.173 ng/ul

RT: 21.36 min Scan# 3106

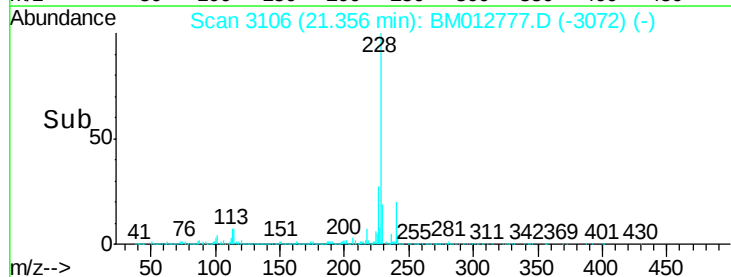
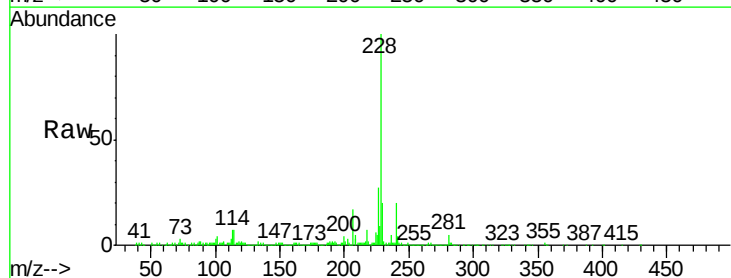
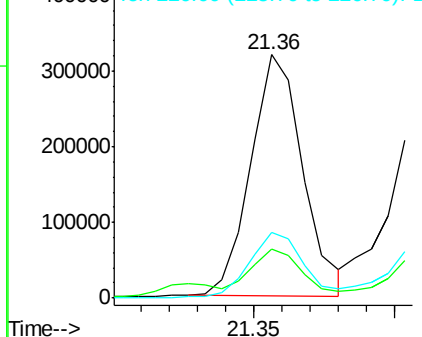
Delta R.T. -0.00 min

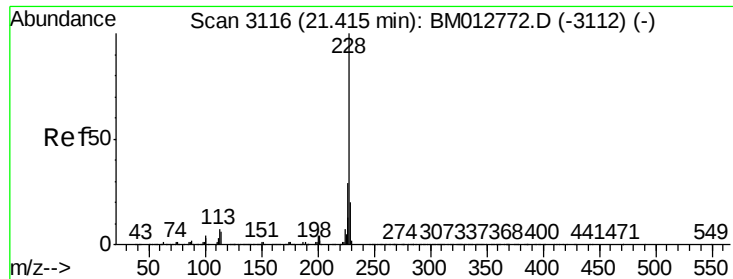
Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Tgt Ion:	228	Resp:	406741
Ion Ratio	Lower	Upper	
228	100		
229	19.9	15.7	23.5
226	27.2	21.8	32.6

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





#84

Chrysene

Concen: 8.915 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

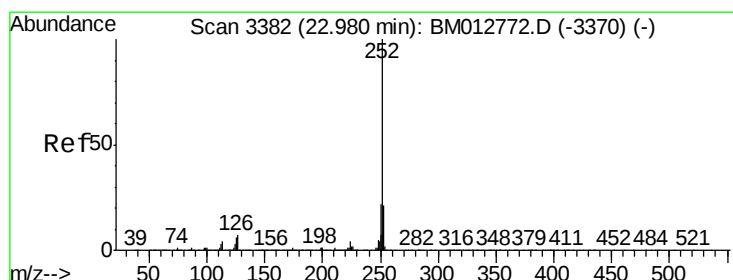
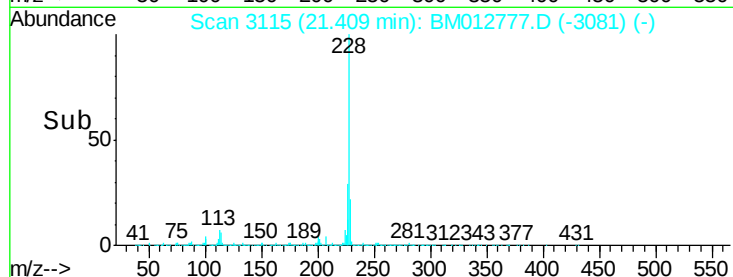
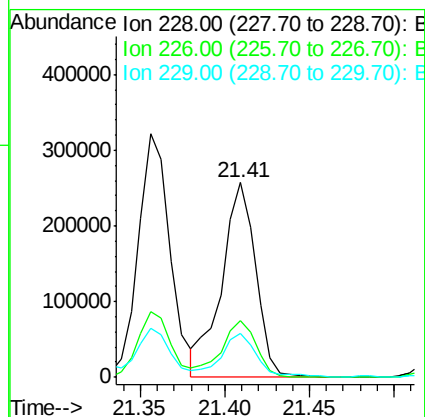
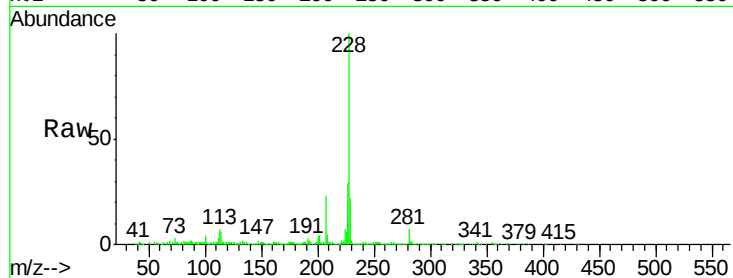
ClientSampleId :

B-63(1-3)-101117DL

Tgt Ion:	228	Resp:	358247
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.0	36.0
229	22.3	15.6	23.4

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 10.795 ng/ul

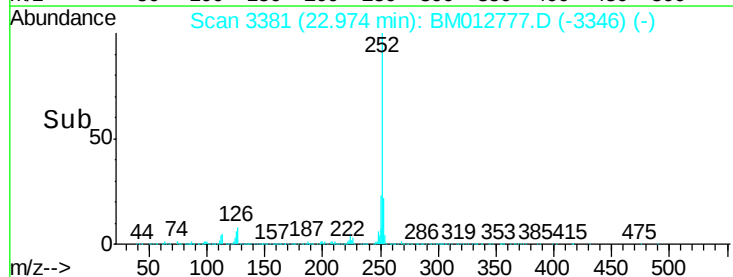
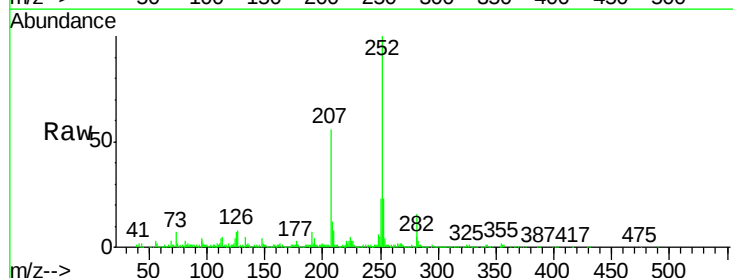
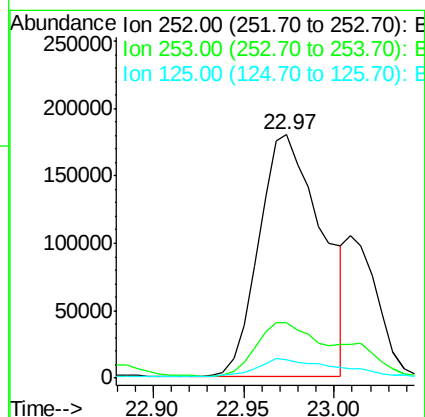
RT: 22.97 min Scan# 3381

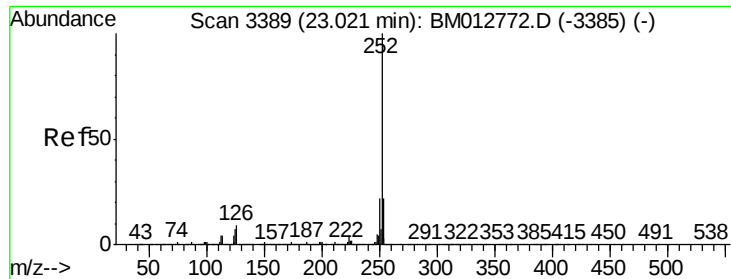
Delta R.T. 0.01 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Tgt Ion:	252	Resp:	435594
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	7.4	8.5	12.7#





#88

Benzo(k)fluoranthene

Concen: 3.301 ng/ul m

RT: 23.01 min Scan# 3387

Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

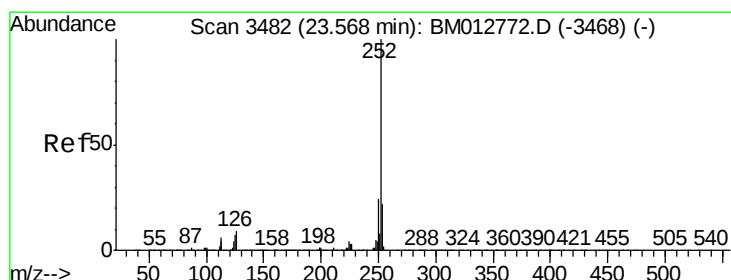
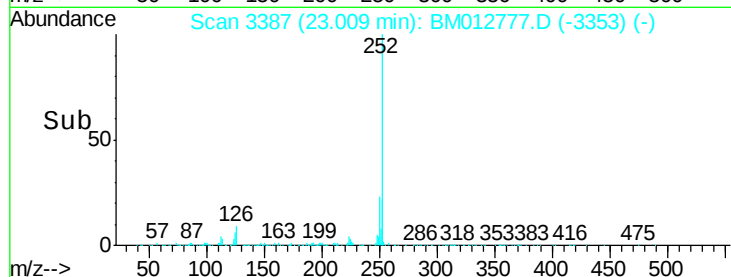
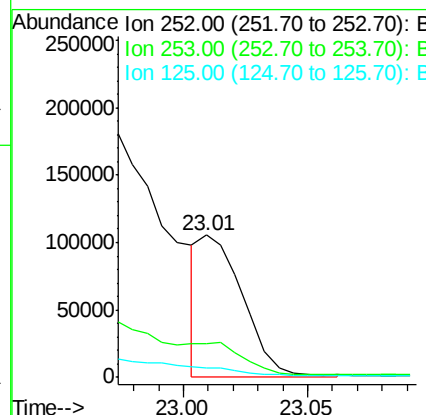
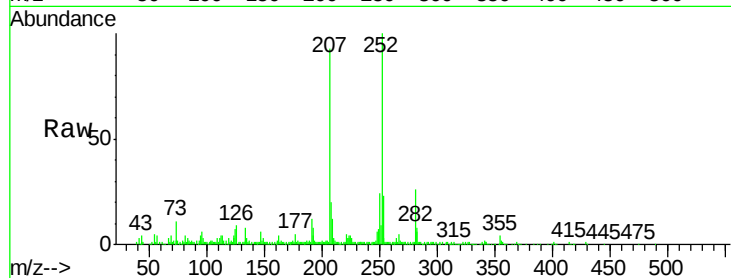
ClientSampleId :

B-63(1-3)-101117DL

Tgt Ion:	252	Resp:	126601
Ion Ratio		Lower	Upper
252	100		
253	23.3	17.3	25.9
125	6.9	8.2	12.2#

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 7.657 ng/ul m

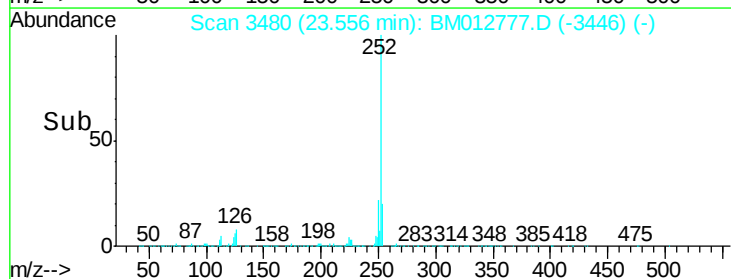
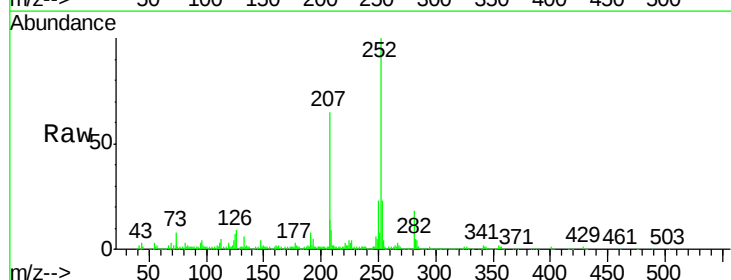
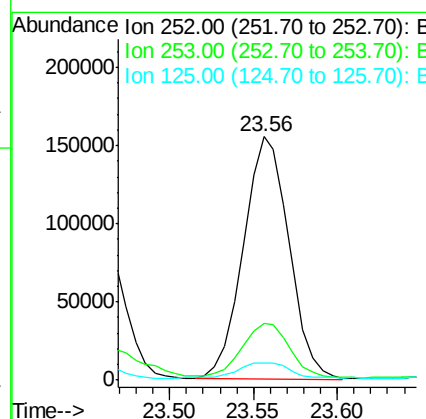
RT: 23.56 min Scan# 3480

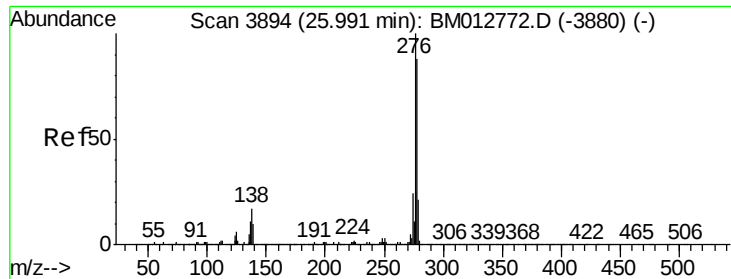
Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Tgt Ion:	252	Resp:	294000
Ion Ratio		Lower	Upper
252	100		
253	23.3	17.2	25.8
125	7.2	9.0	13.6#





#91

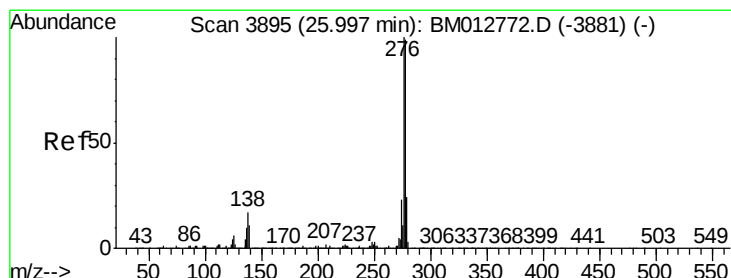
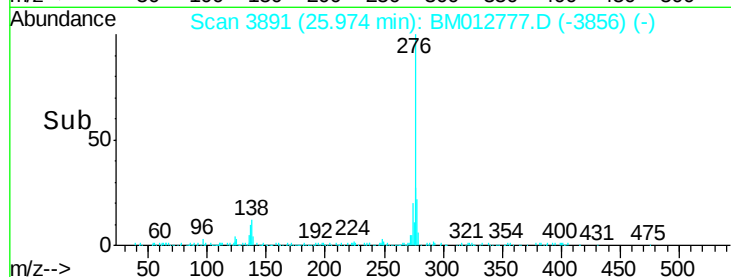
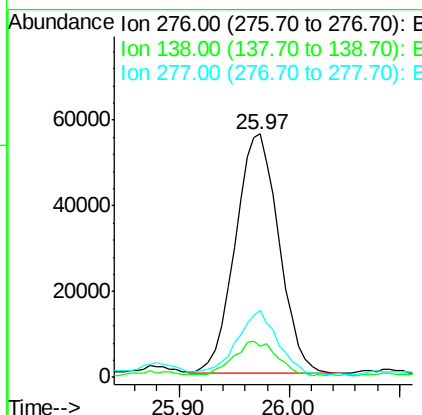
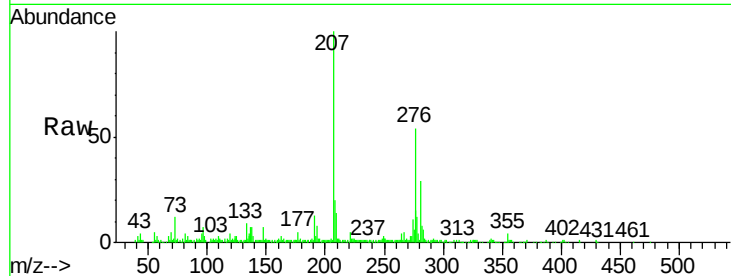
Indeno(1,2,3-cd)pyrene
Concen: 3.356 ng/ul
RT: 25.97 min Scan# 3891
Delta R.T. 0.01 min
Lab File: BM012777.D
Acq: 06 Nov 2017 14:59

Instrument :
BNA_M
ClientSampleId :
B-63(1-3)-101117DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	155306		
138	12.8	22.3	33.5#	
277	27.6	20.2	30.2	

Manual Integrations
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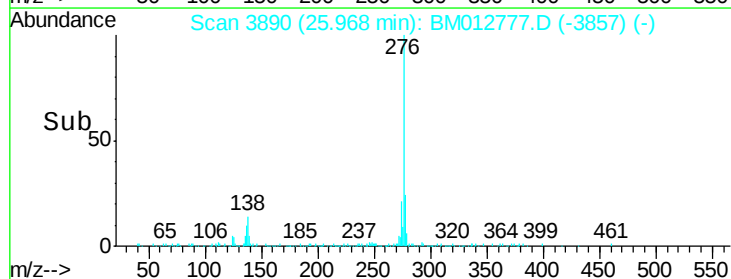
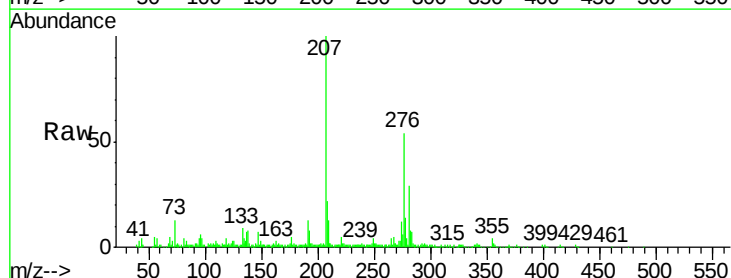
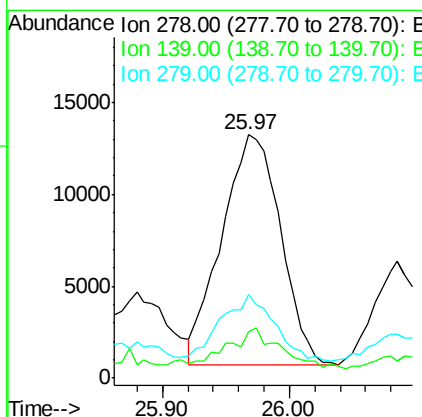
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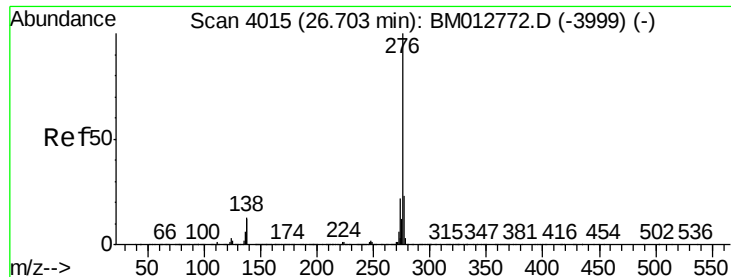


#92

Dibenzo(a,h)anthracene
Concen: 1.032 ng/ul
RT: 25.97 min Scan# 3890
Delta R.T. -0.01 min
Lab File: BM012777.D
Acq: 06 Nov 2017 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	40428		
139	18.9	13.9	20.9	
279	34.1	19.0	28.4#	





#93

Benzo(g,h,i)perylene

Concen: 3.518 ng/ul

RT: 26.68 min Scan# 4011

Delta R.T. 0.01 min

Lab File: BM012777.D

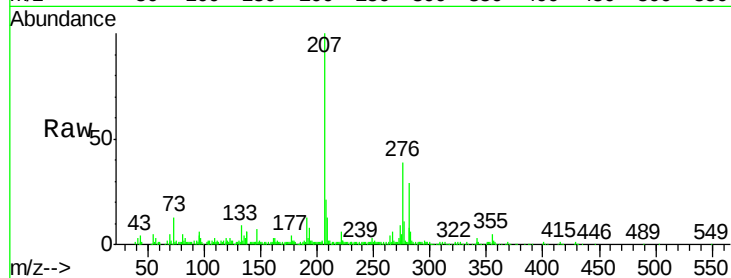
Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117DL



Tgt Ion: 276 Resp: 134158

Ion Ratio Lower Upper

276 100

138 14.1 18.9 28.3#

277 27.0 19.2 28.8

Manual Integrations
APPROVED

Sohil
11/7/2017 5:35:15 PM

