

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
 Data File : BM012760.D
 Acq On : 06 Nov 2017 03:59
 Operator : SJ/JU
 Sample : I5825-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 DUP-5

Manual Integrations
 APPROVED

Sohil
 11/6/2017 4:28:57 PM

Quant Time: Nov 06 07:42:35 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	138952	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	581522	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	367542	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	755393	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	631787	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	693647	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	9383	3.65	ng/uL	0.00
5) Phenol-d5	6.99	99	266346	25.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	158691	28.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	238713	27.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	171007	19.16	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	127106	29.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	133084	27.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	263516	26.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	85785	8.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	851295	27.99	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1100385	29.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	55656	11.42	ng/ul	0.00
57) Fluorene-d10	15.44	176	781887	30.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	23294	4.67	ng/ul	0.00
70) Anthracene-d10	17.30	188	1104466	30.26	ng/ul	0.00
78) Pyrene-d10	19.59	212	980318	33.44	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.53	264	997402	30.41	ng/ul	0.02

Target Compounds

					Qvalue
4) Benzaldehyde	6.96	77	6764	1.230	ng/ul 86
6) Phenol	7.02	94	45091	4.249	ng/ul 95
44) Dimethylphthalate	13.90	163	488745	16.194	ng/ul 100
47) Acenaphthylene	14.17	152	171866	4.713	ng/ul 98
49) Acenaphthene	14.52	153	47402	1.908	ng/ul 99
56) Diethylphthalate	15.27	149	53502	1.825	ng/ul 99
58) Fluorene	15.50	166	68006	2.260	ng/ul 98
69) Phenanthrene	17.24	178	943396	22.849	ng/ul 99
71) Anthracene	17.33	178	324664	7.584	ng/ul 99
74) Carbazole	17.60	167	91744	2.569	ng/ul 96
75) Di-n-butylphthalate	18.16	149	205824	4.920	ng/ul 98
76) Fluoranthene	19.26	202	2008778	40.487	ng/ul# 93
79) Pyrene	19.62	202	1675637m	44.453	ng/ul
82) Benzo(a)anthracene	21.36	228	1021300	26.714	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.29	149	64293	3.211	ng/ul# 87
84) Chrysene	21.42	228	912713	26.343	ng/ul 98
87) Benzo(b)fluoranthene	22.99	252	1476775	34.838	ng/ul 95
88) Benzo(k)fluoranthene	23.02	252	425500m	10.560	ng/ul
90) Benzo(a)pyrene	23.57	252	1005090	24.918	ng/ul 95
91) Indeno(1,2,3-cd)pyrene	26.00	276	787374	16.197	ng/ul# 87
92) Dibenzo(a,h)anthracene	26.00	278	210774	5.122	ng/ul# 88
93) Benzo(g,h,i)perylene	26.72	276	668767	16.695	ng/ul# 88

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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

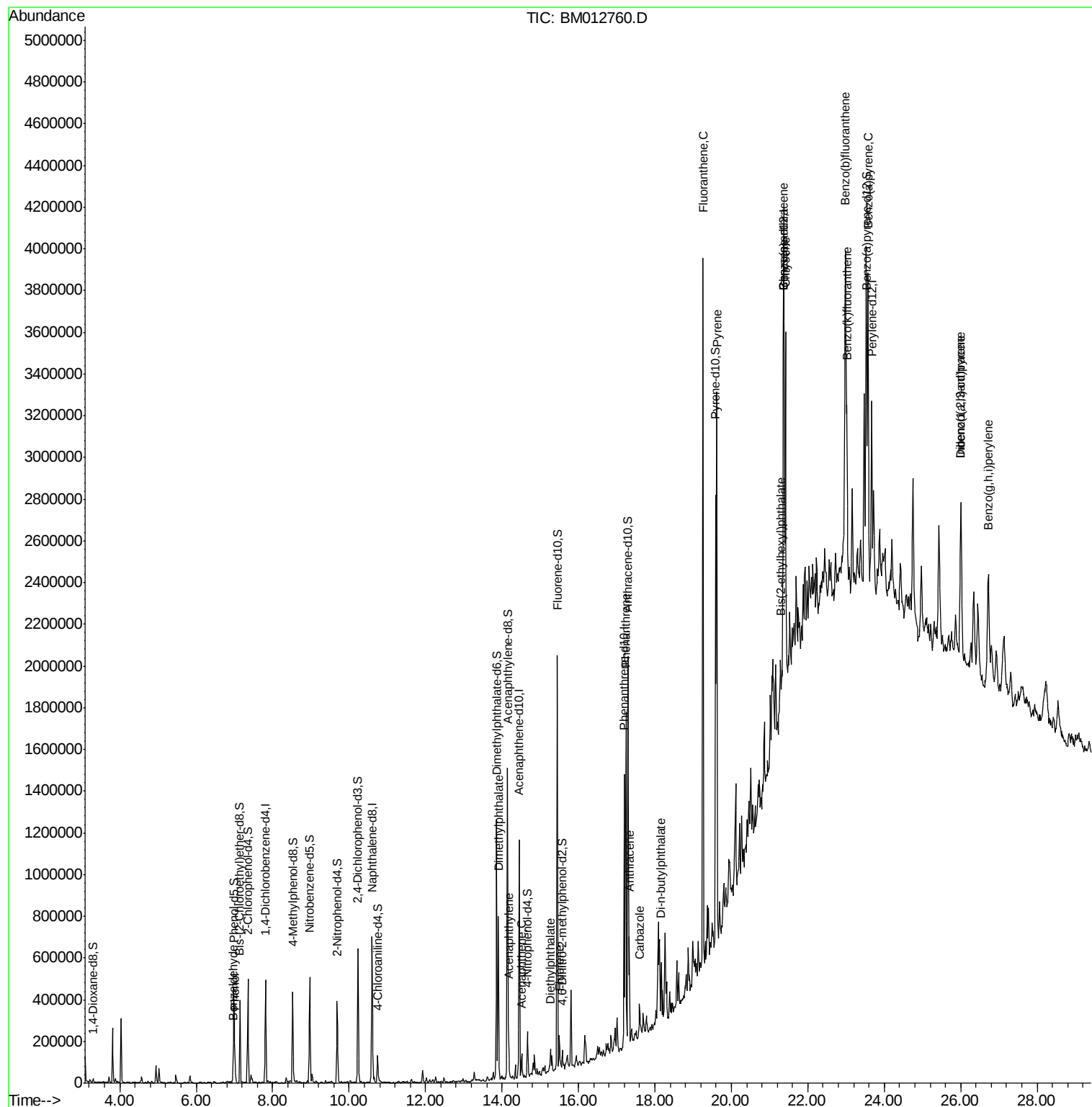
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
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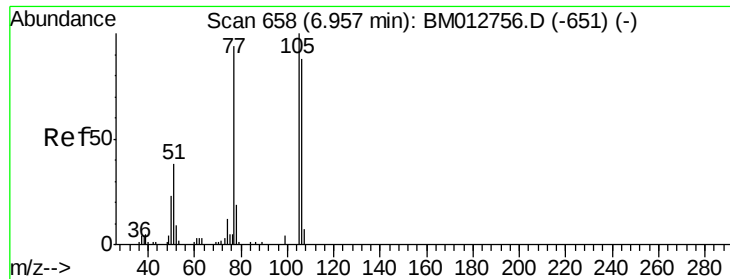
Instrument :
BNA_M
ClientSampled :
DUP-5

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#4

Benzaldehyde

Concen: 1.230 ng/ul

RT: 6.96 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

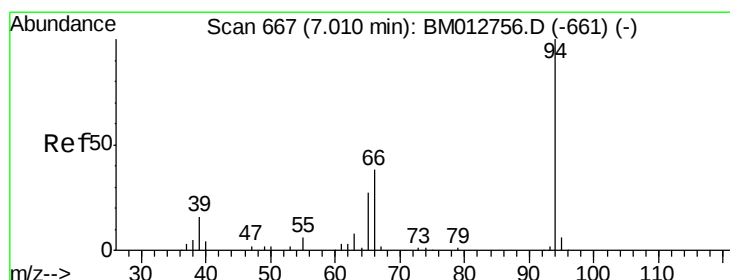
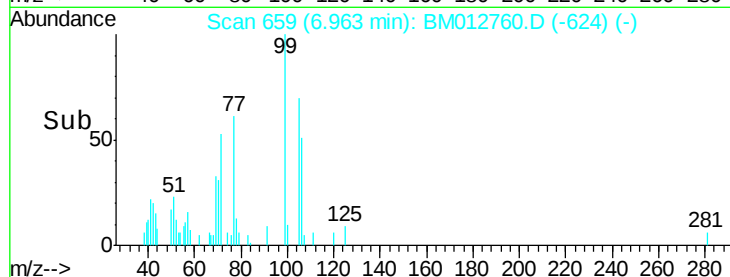
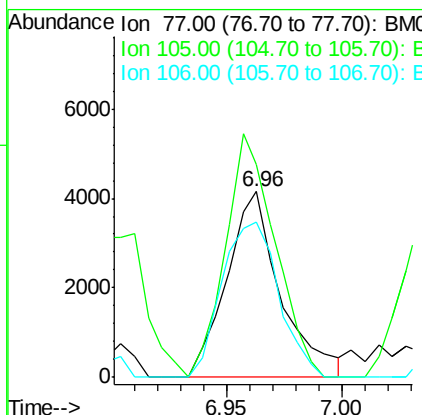
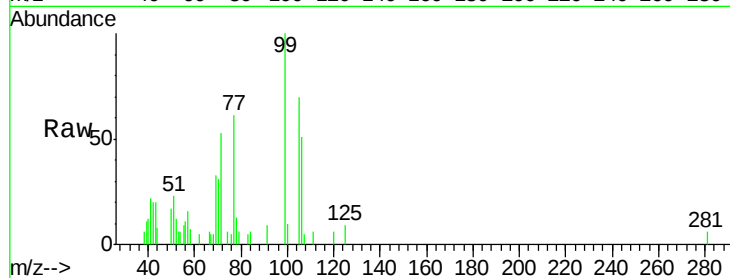
ClientSampled :

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Tgt Ion	Ratio	Lower	Upper
77	100		
105	114.5	80.6	120.8
106	83.5	77.7	116.5

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#6

Phenol

Concen: 4.249 ng/ul

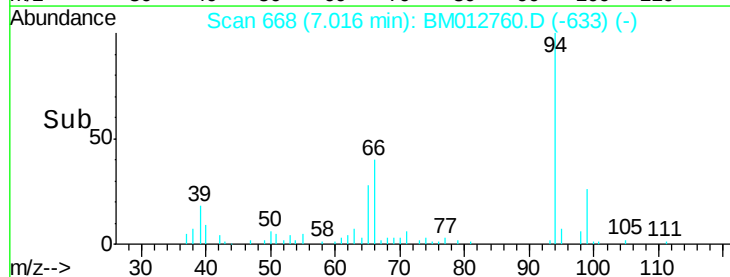
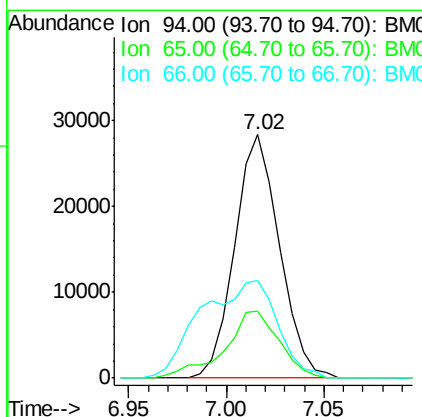
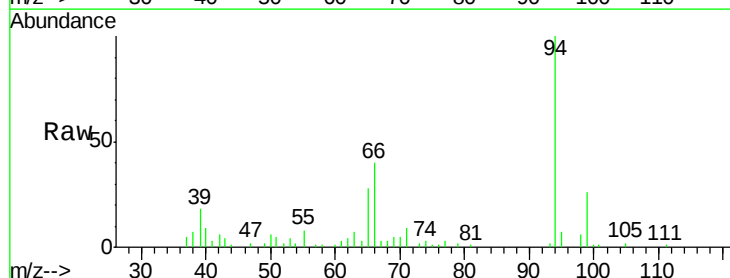
RT: 7.02 min Scan# 668

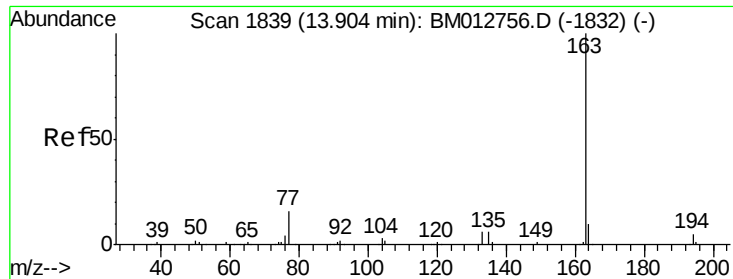
Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Tgt Ion	Ratio	Lower	Upper
94	100		
65	27.7	21.0	31.6
66	40.1	29.3	43.9





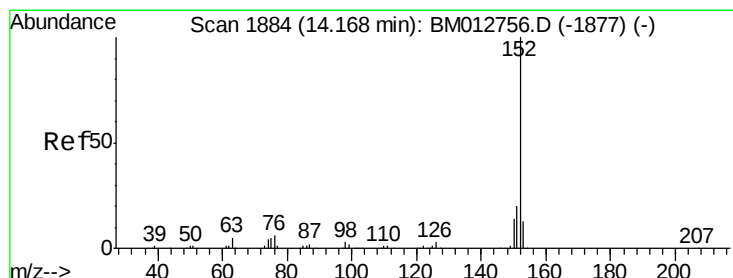
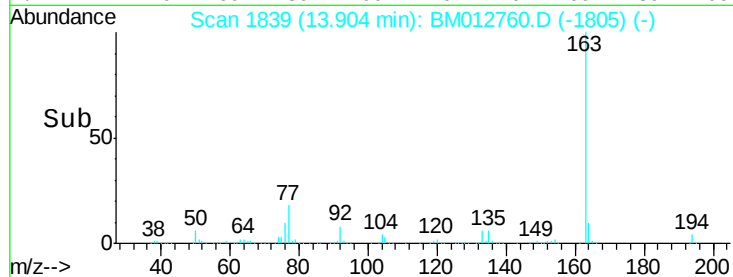
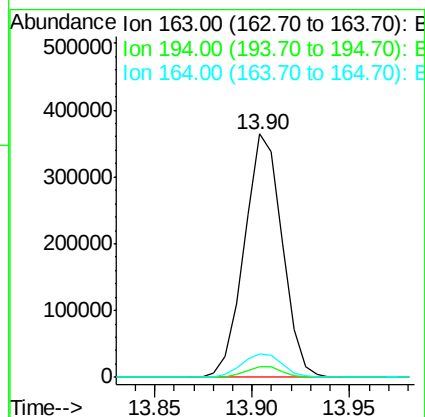
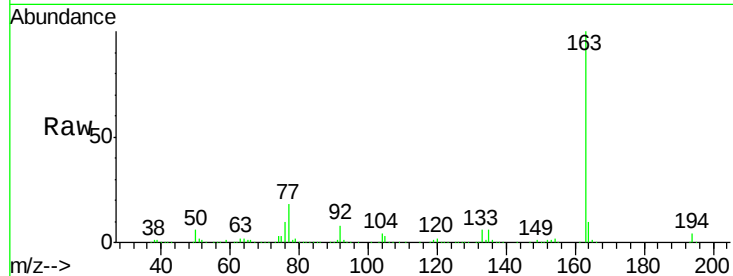
#44
Dimethylphthalate
Concen: 16.194 ng/ul
RT: 13.90 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BM012760.D
Acq: 06 Nov 2017 03:59

Instrument :
BNA_M
ClientSampled :
DUP-5

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	488745		
194	4.4	3.2	4.8	
164	9.9	7.8	11.8	

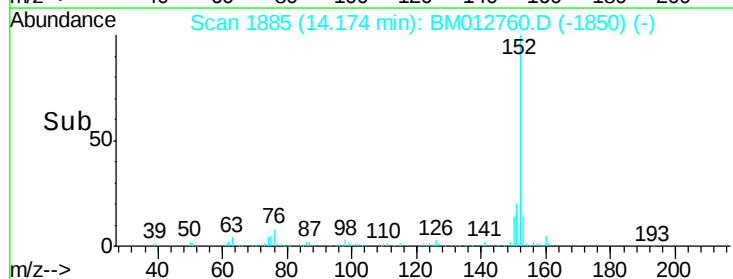
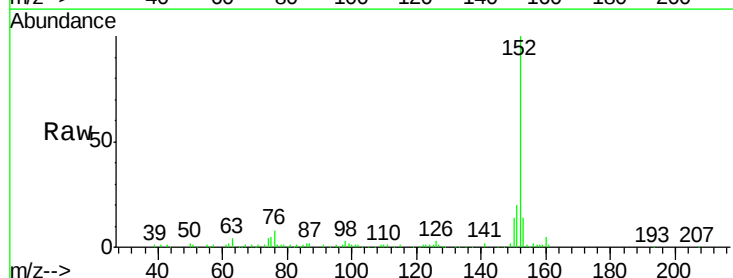
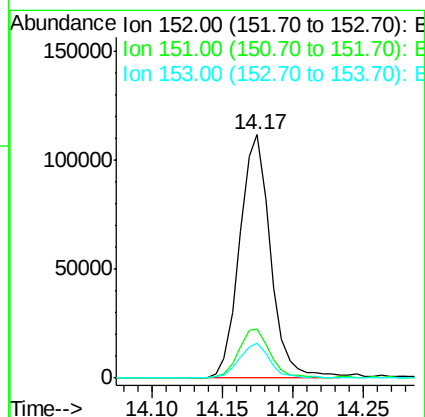
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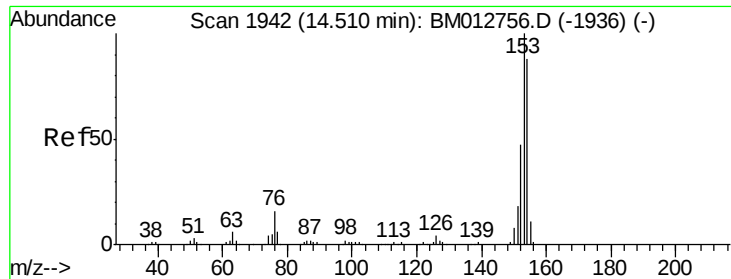
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#47
Acenaphthylene
Concen: 4.713 ng/ul
RT: 14.17 min Scan# 1885
Delta R.T. 0.01 min
Lab File: BM012760.D
Acq: 06 Nov 2017 03:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	171866		
151	20.0	15.7	23.5	
153	14.2	10.5	15.7	





#49

Acenaphthene

Concen: 1.908 ng/ul

RT: 14.52 min Scan# 1943

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

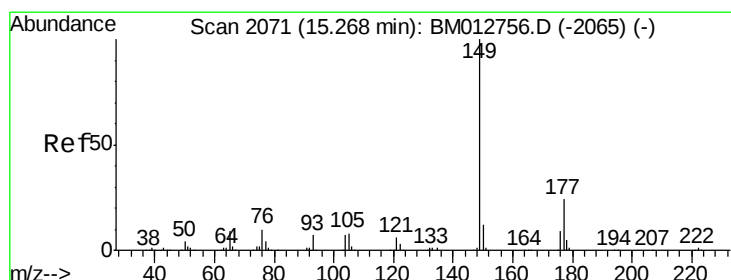
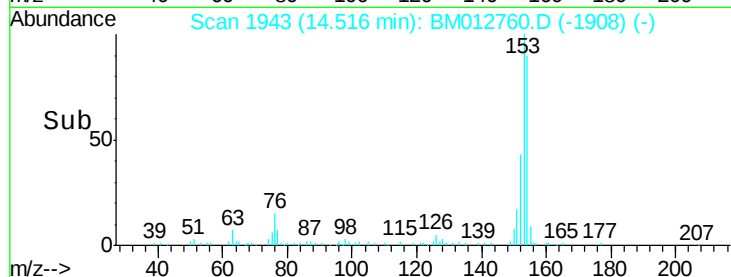
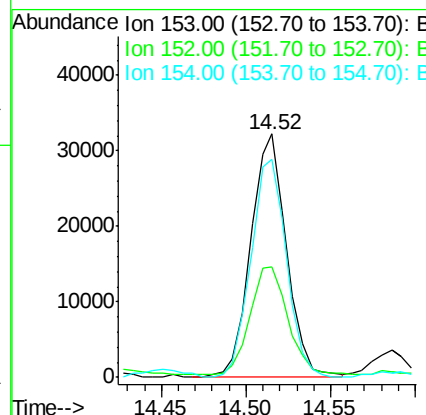
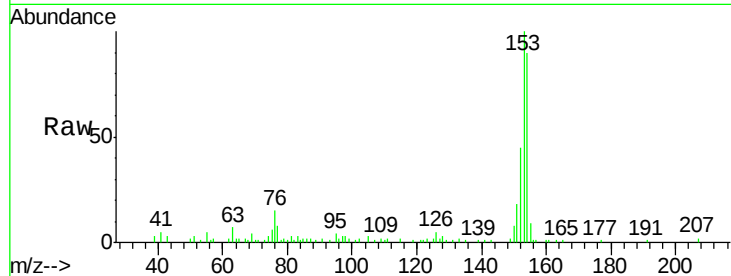
ClientSampleId :

DUP-5

Tgt Ion:	153	Resp:	47402
Ion Ratio	Lower	Upper	
153	100		
152	45.4	38.3	57.5
154	89.7	71.8	107.8

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#56

Diethylphthalate

Concen: 1.825 ng/ul

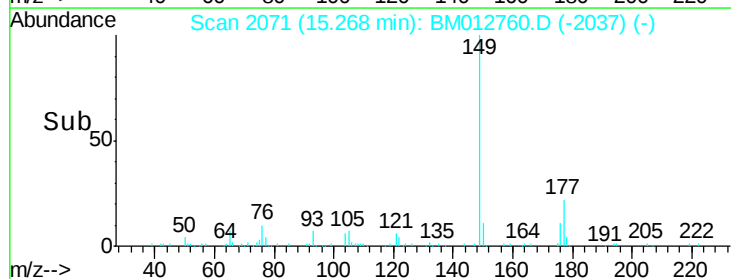
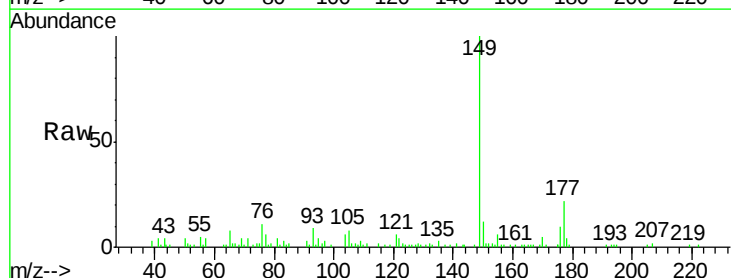
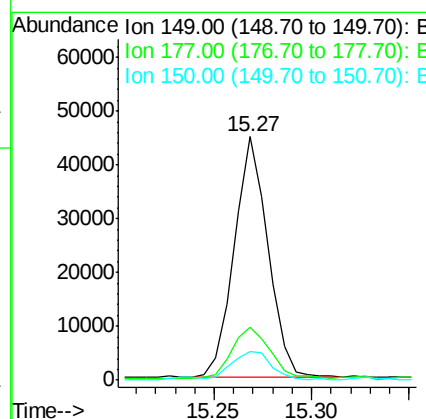
RT: 15.27 min Scan# 2071

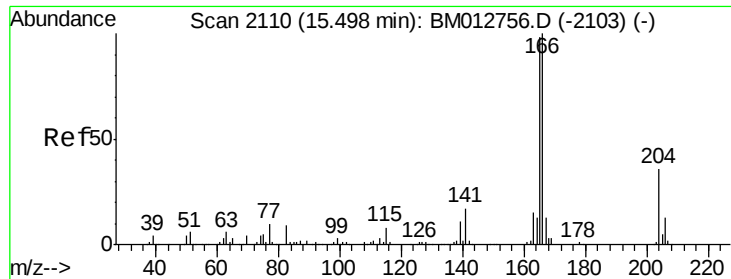
Delta R.T. 0.00 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Tgt Ion:	149	Resp:	53502
Ion Ratio	Lower	Upper	
149	100		
177	21.7	17.4	26.2
150	11.8	10.0	15.0





#58

Fluorene

Concen: 2.260 ng/ul

RT: 15.50 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

ClientSampleId :

DUP-5

Tgt Ion:166 Resp: 68006

Ion Ratio Lower Upper

166 100

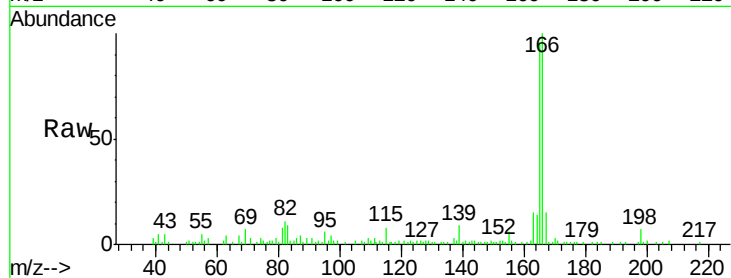
165 96.1 78.5 117.7

167 14.9 10.7 16.1

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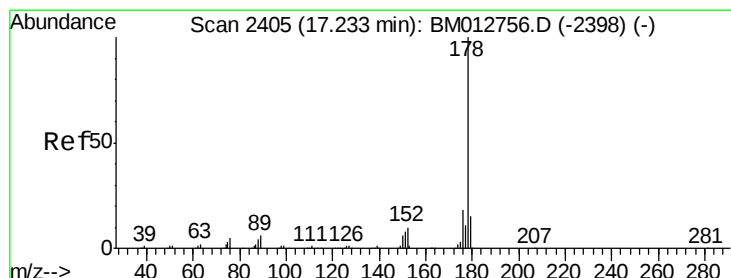
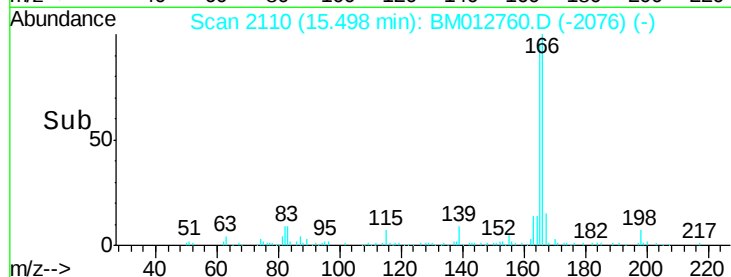
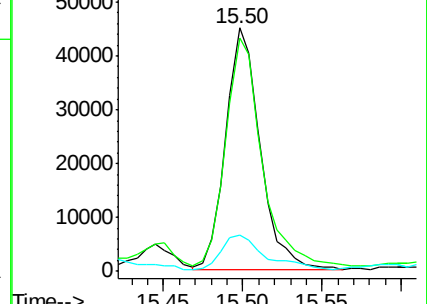
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 22.849 ng/ul

RT: 17.24 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

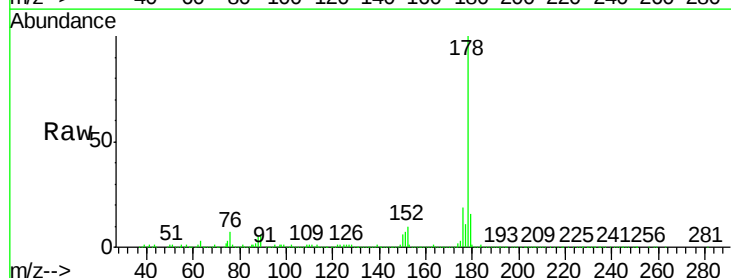
Tgt Ion:178 Resp: 943396

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

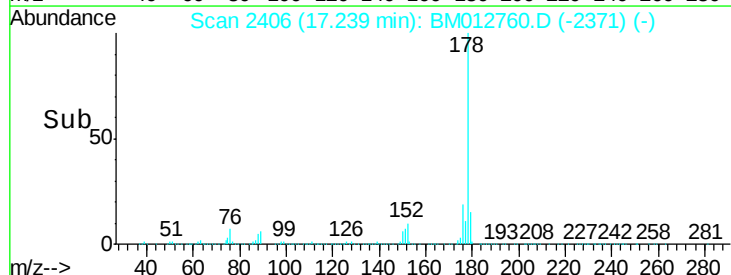
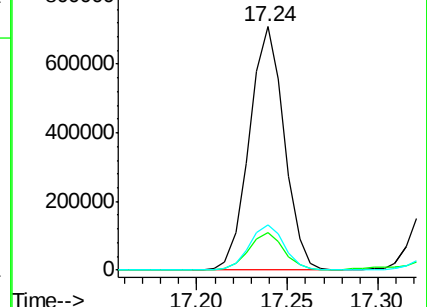
176 18.8 15.6 23.4

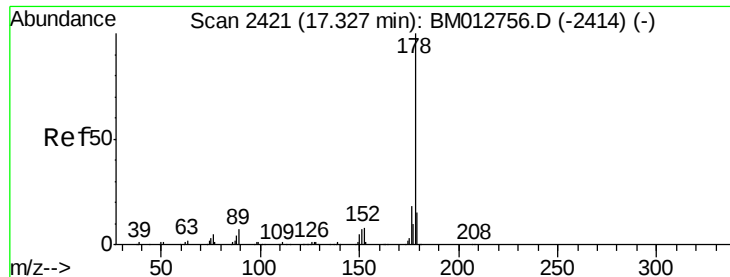


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





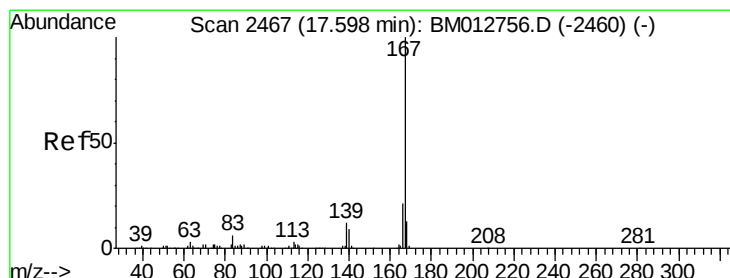
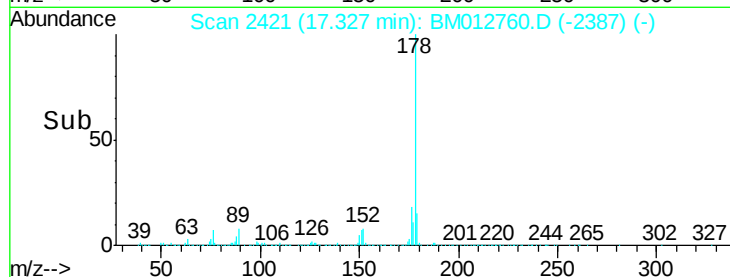
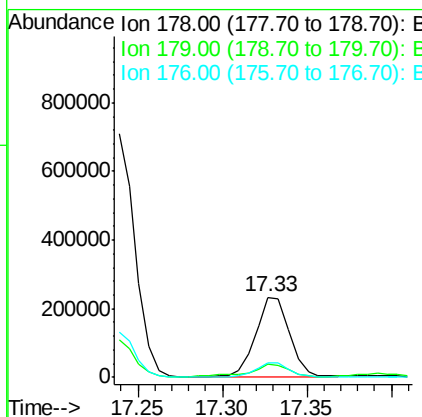
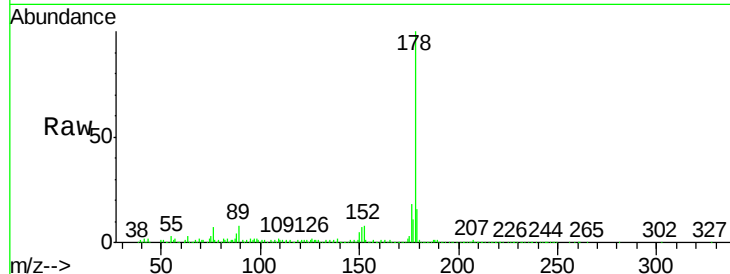
#71
 Anthracene
 Concen: 7.584 ng/ul
 RT: 17.33 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BM012760.D
 Acq: 06 Nov 2017 03:59

Instrument :
 BNA_M
 ClientSampled :
 DUP-5

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.1	18.1
176	17.9	14.8	22.2

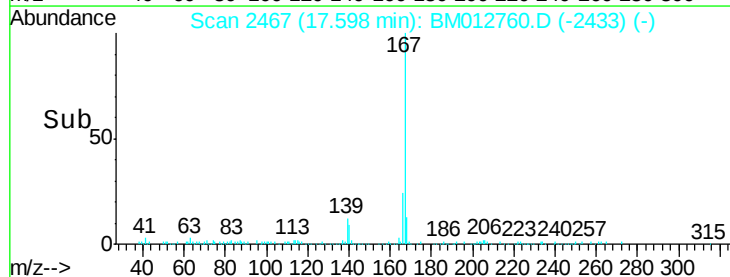
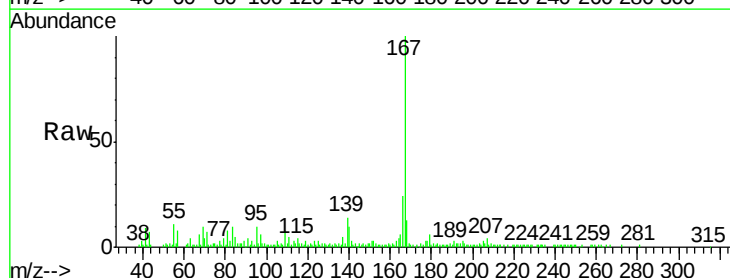
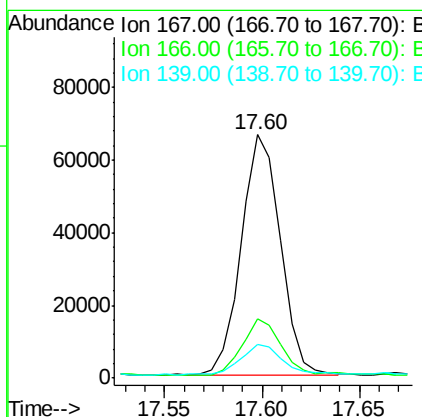
Manual Integrations
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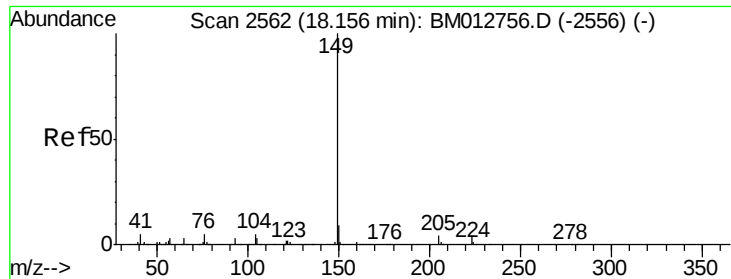
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#74
 Carbazole
 Concen: 2.569 ng/ul
 RT: 17.60 min Scan# 2467
 Delta R.T. 0.00 min
 Lab File: BM012760.D
 Acq: 06 Nov 2017 03:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.3	17.0	25.6
139	13.8	11.0	16.4





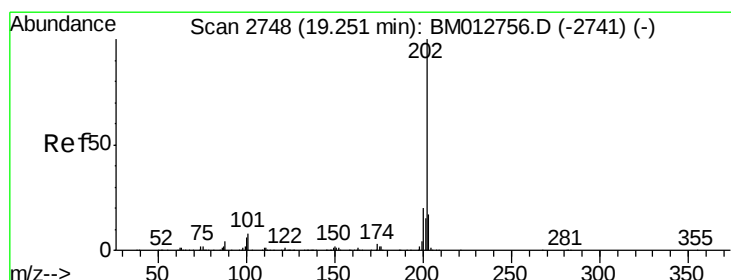
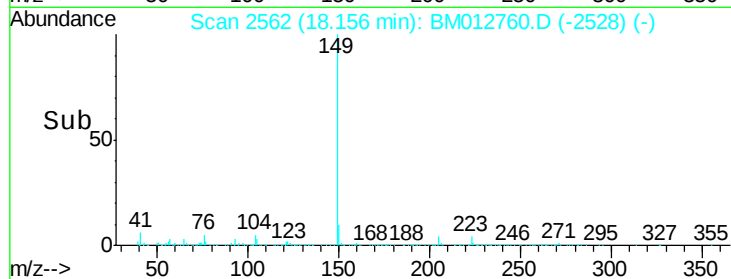
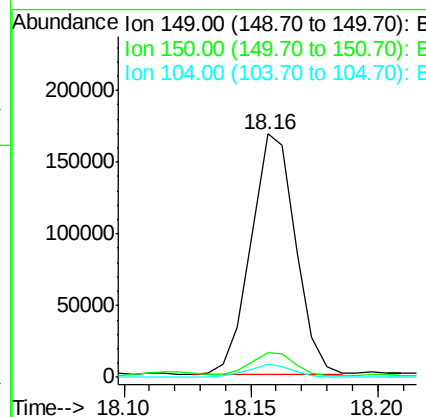
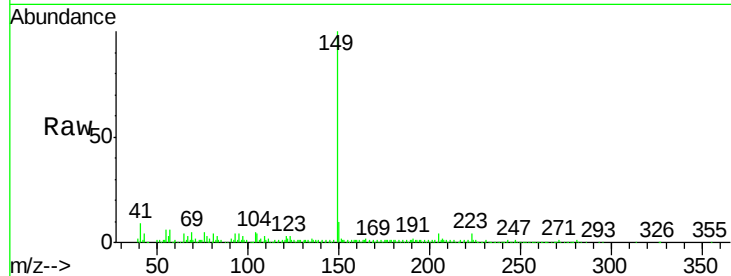
#75
Di-n-butylphthalate
Concen: 4.920 ng/ul
RT: 18.16 min Scan# 2562
Delta R.T. 0.00 min
Lab File: BM012760.D
Acq: 06 Nov 2017 03:59

Instrument :
BNA_M
ClientSampleId :
DUP-5

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.3	7.4	11.0
104	5.2	4.0	6.0

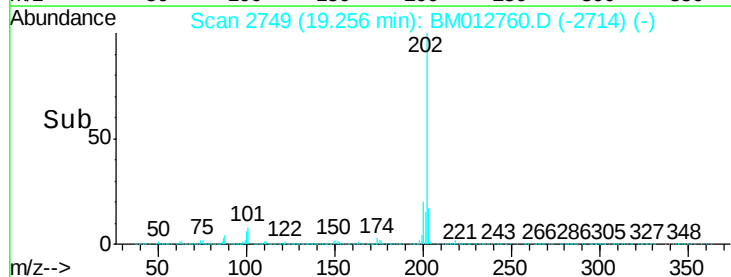
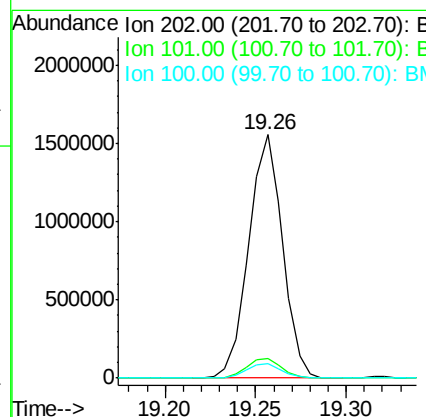
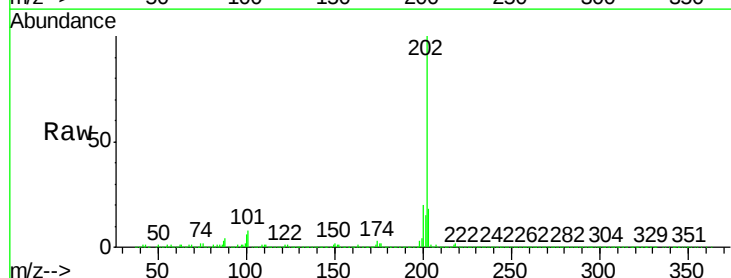
Manual Integrations
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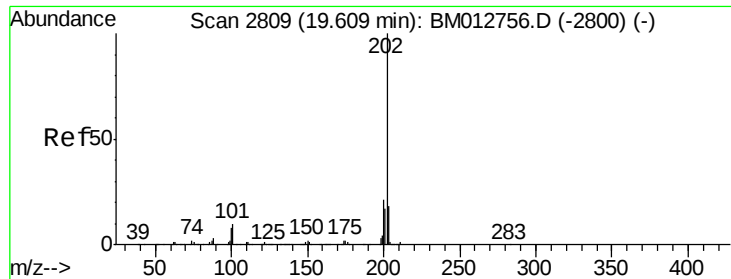
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#76
Fluoranthene
Concen: 40.487 ng/ul
RT: 19.26 min Scan# 2749
Delta R.T. 0.01 min
Lab File: BM012760.D
Acq: 06 Nov 2017 03:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	8.8	13.2#
100	6.2	6.6	9.8#





#79

Pyrene

Concen: 44.453 ng/ul m

RT: 19.62 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

ClientSampleId :

DUP-5

Tgt Ion:202 Resp: 1675637

Ion Ratio Lower Upper

202 100

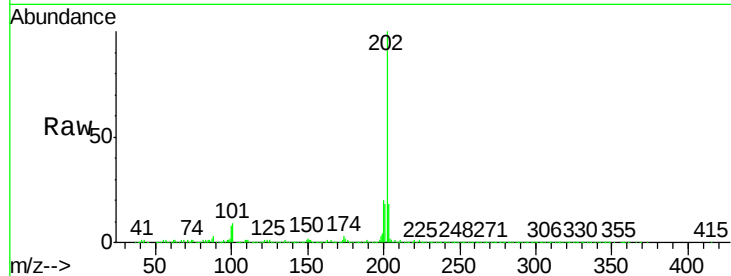
101 9.3 10.2 15.2#

100 7.7 8.5 12.7#

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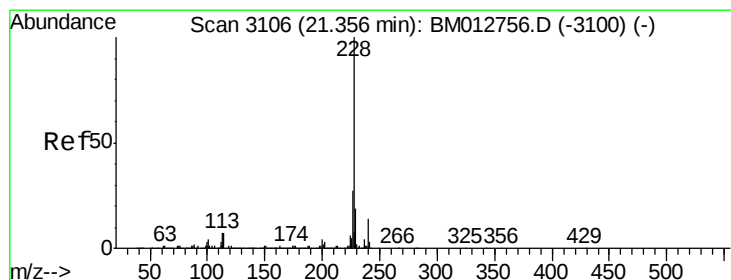
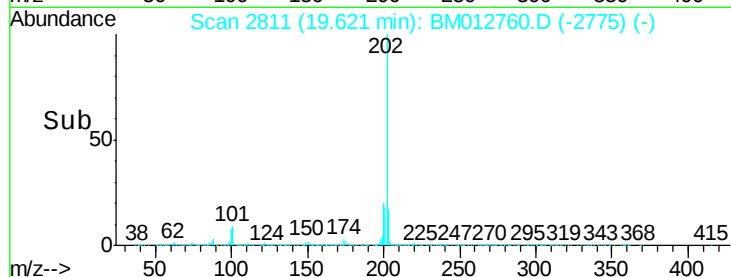
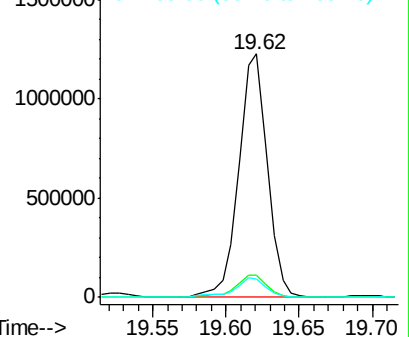
11/6/2017 4:28:57 PM



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): E



#82

Benzo(a)anthracene

Concen: 26.714 ng/ul

RT: 21.36 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

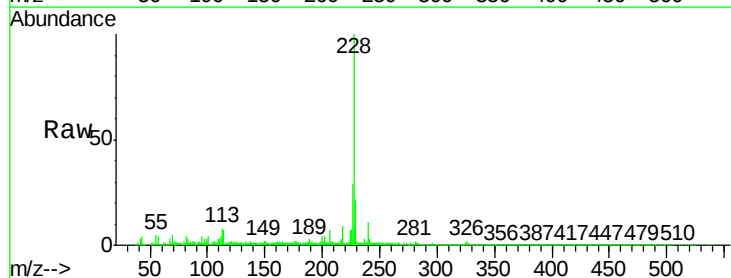
Tgt Ion:228 Resp: 1021300

Ion Ratio Lower Upper

228 100

229 21.4 15.7 23.5

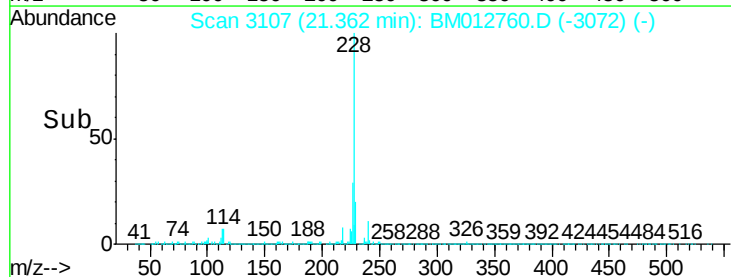
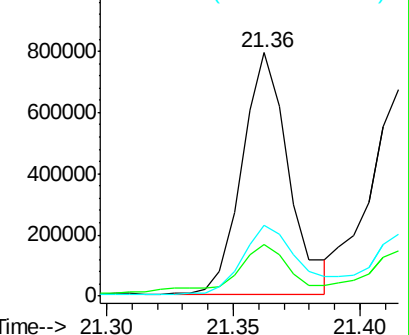
226 29.3 21.8 32.6

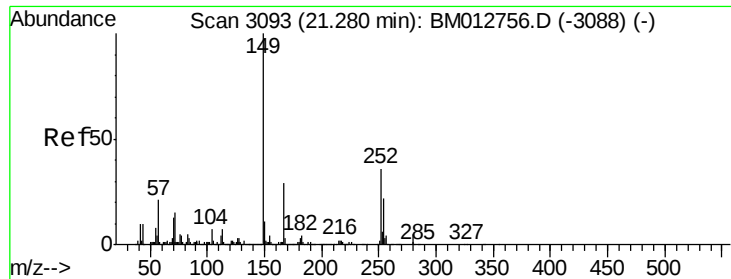


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.211 ng/ul

RT: 21.29 min Scan# 3094

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

ClientSampleId :

DUP-5

Tgt Ion:149 Resp: 64293

Ion Ratio Lower Upper

149 100

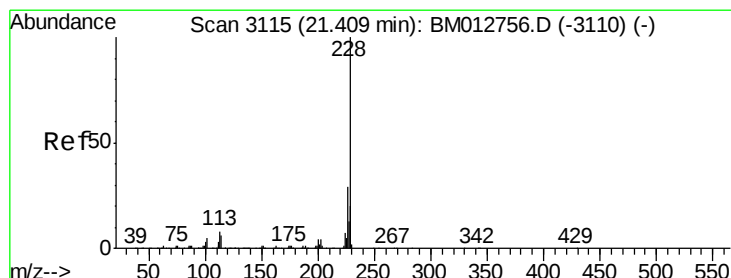
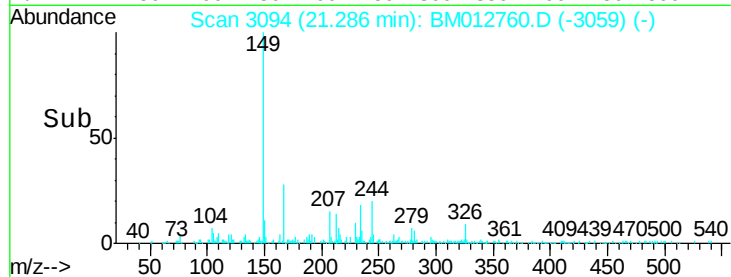
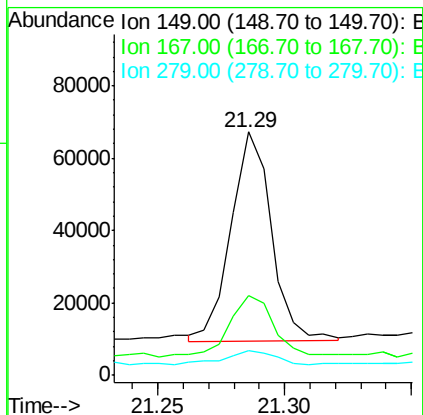
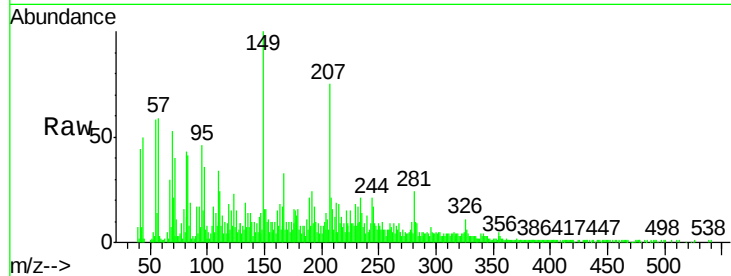
167 33.0 21.6 32.4#

279 10.1 3.0 4.4#

Manual Integrations
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#84

Chrysene

Concen: 26.343 ng/ul

RT: 21.42 min Scan# 3116

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

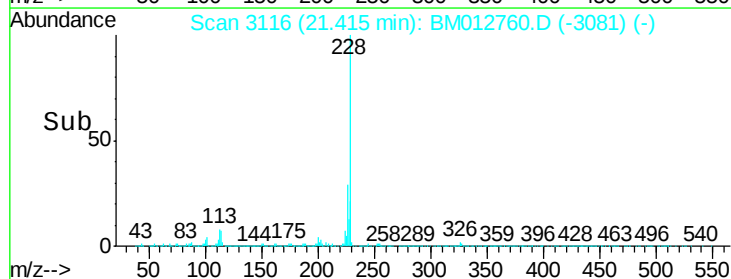
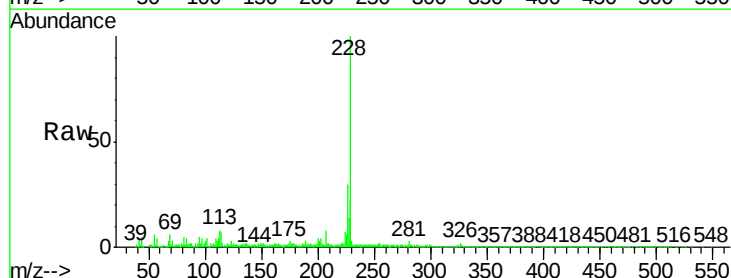
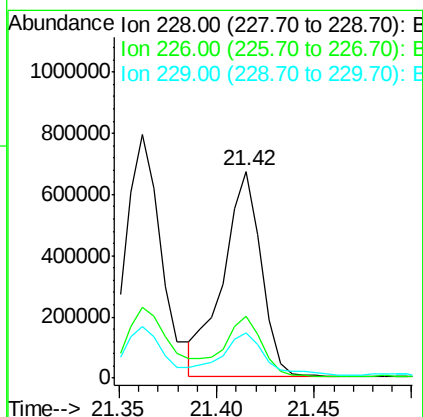
Tgt Ion:228 Resp: 912713

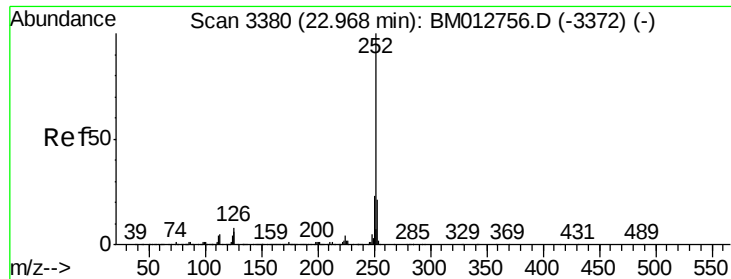
Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

229 22.1 15.6 23.4





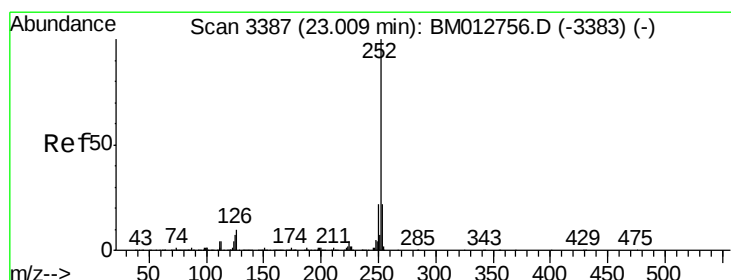
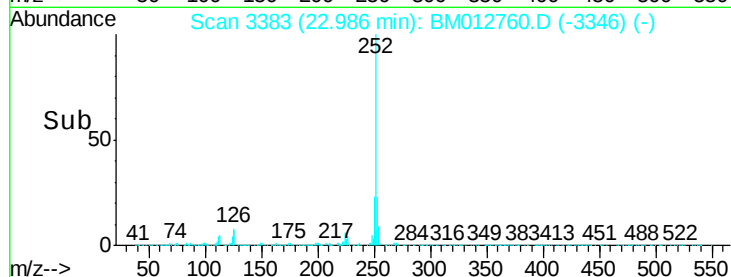
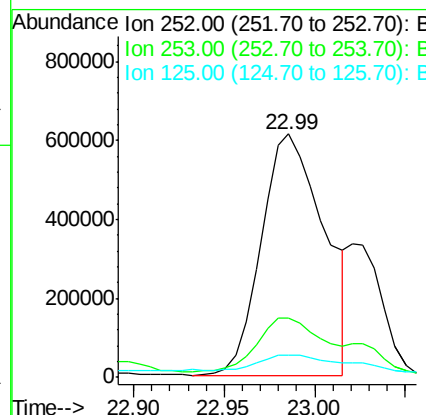
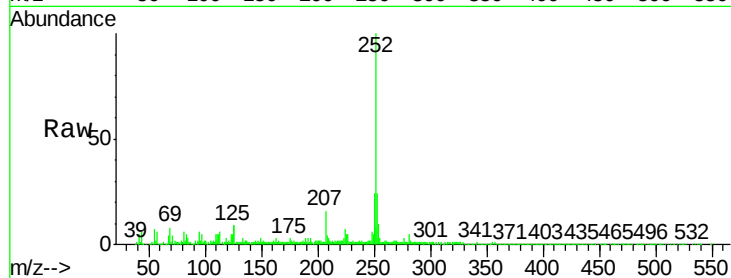
#87
Benzo(b)fluoranthene
Concen: 34.838 ng/ul
RT: 22.99 min Scan# 3383
Delta R.T. 0.02 min
Lab File: BM012760.D
Acq: 06 Nov 2017 03:59

Instrument :
BNA_M
ClientSampled :
DUP-5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	9.3	8.5	12.7

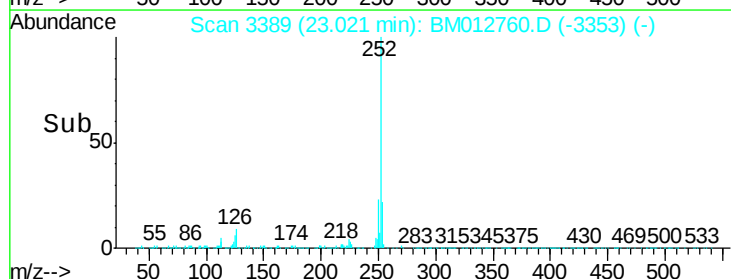
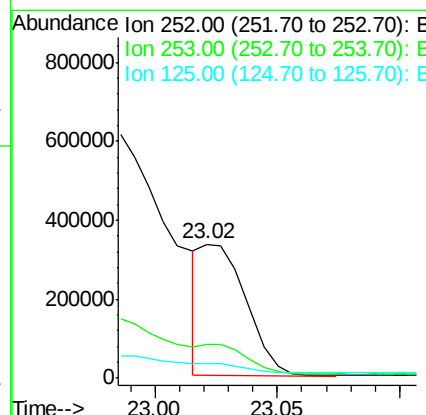
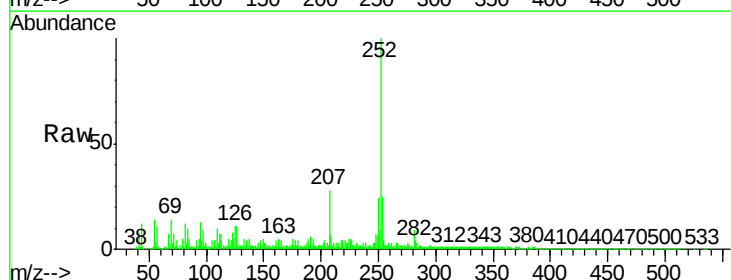
Manual Integrations
APPROVED

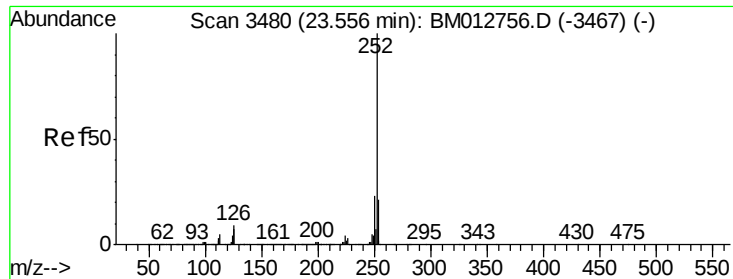
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#88
Benzo(k)fluoranthene
Concen: 10.560 ng/ul m
RT: 23.02 min Scan# 3389
Delta R.T. 0.01 min
Lab File: BM012760.D
Acq: 06 Nov 2017 03:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.3	25.9
125	10.5	8.2	12.2





#90

Benzo(a)pyrene

Concen: 24.918 ng/ul

RT: 23.57 min Scan# 3483

Delta R.T. 0.02 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

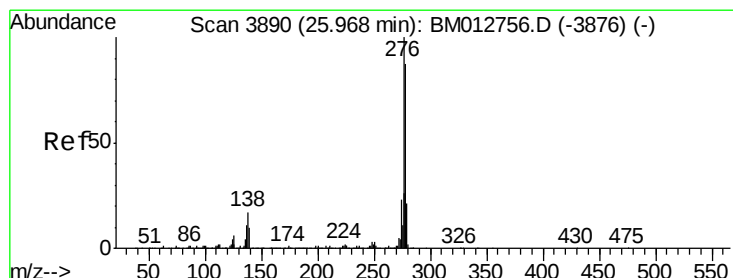
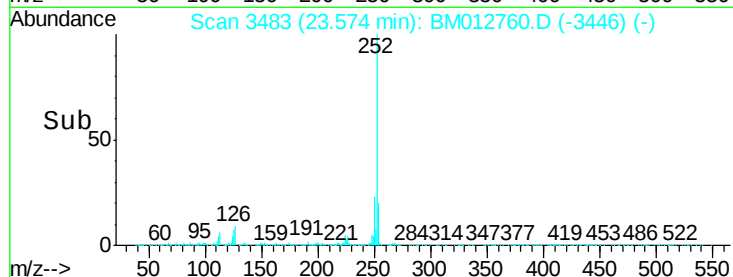
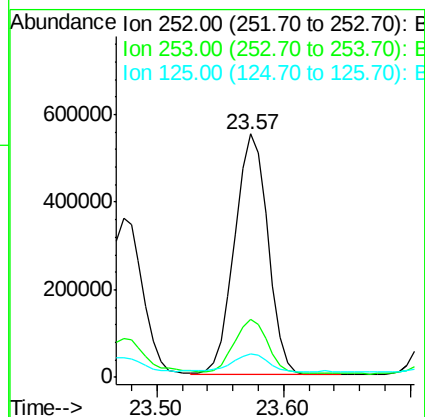
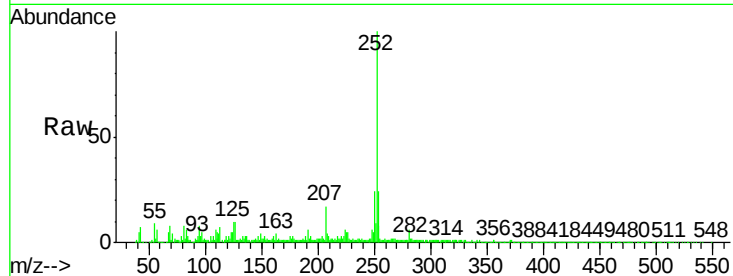
ClientSampleId :

DUP-5

Tgt Ion:	252	Resp:	1005090
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	9.5	9.0	13.6

Manual Integrations
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#91

Indeno(1,2,3-cd)pyrene

Concen: 16.197 ng/ul

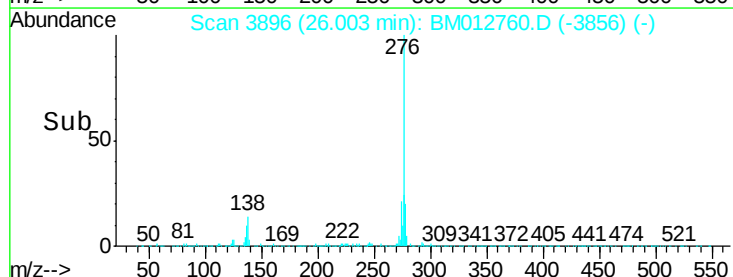
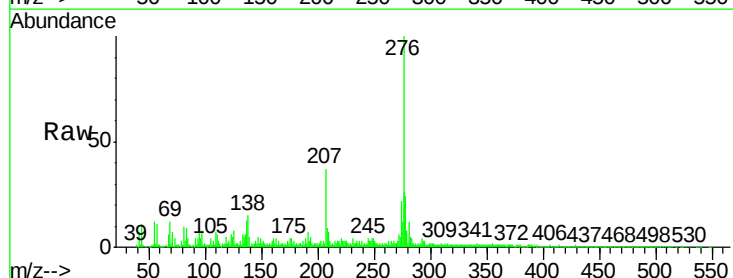
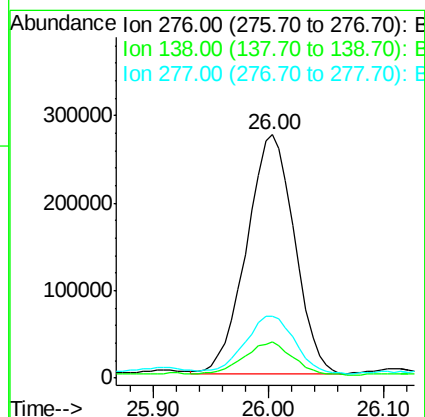
RT: 26.00 min Scan# 3896

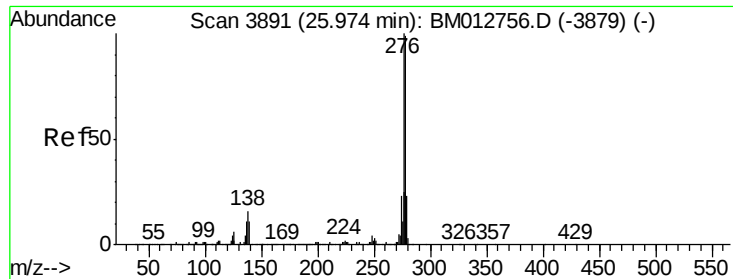
Delta R.T. 0.04 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Tgt Ion:	276	Resp:	787374
Ion Ratio	Lower	Upper	
276	100		
138	15.0	22.3	33.5#
277	25.6	20.2	30.2





#92

Dibenzo(a,h)anthracene

Concen: 5.122 ng/ul

RT: 26.00 min Scan# 3896

Delta R.T. 0.03 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

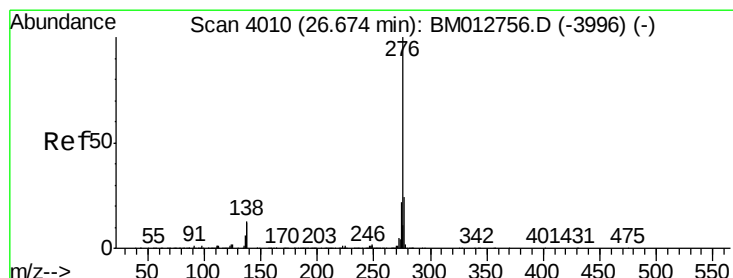
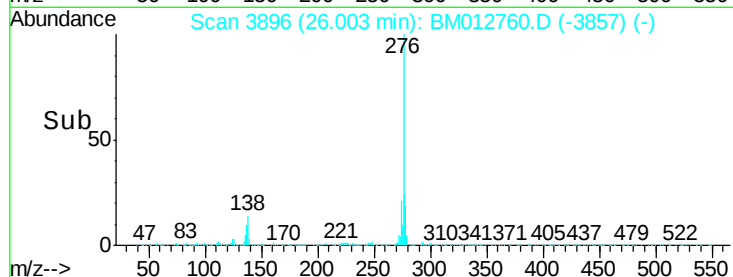
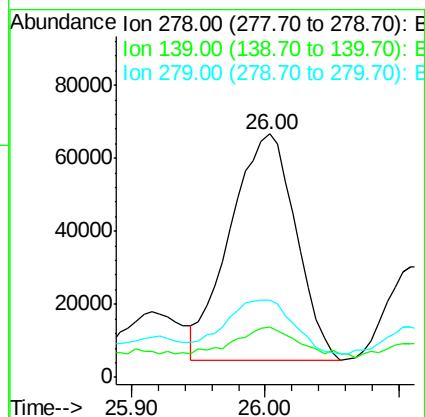
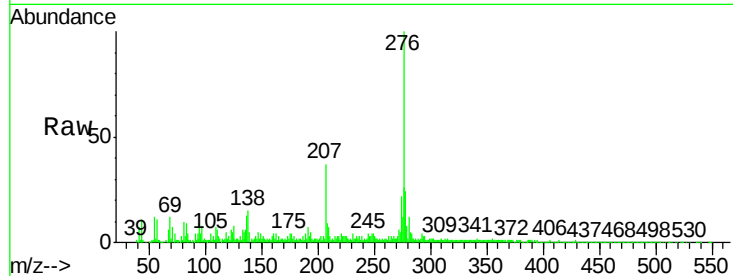
ClientSampleId :

DUP-5

Tgt Ion:	278	Resp:	210774
Ion Ratio	Lower	Upper	
278	100		
139	20.5	13.9	20.9
279	31.6	19.0	28.4#

Manual Integrations
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#93

Benzo(g,h,i)perylene

Concen: 16.695 ng/ul

RT: 26.72 min Scan# 4018

Delta R.T. 0.05 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Tgt Ion:	276	Resp:	668767
Ion Ratio	Lower	Upper	
276	100		
138	14.2	18.9	28.3#
277	25.9	19.2	28.8

