

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103117\
 Data File : BM012625.D
 Acq On : 01 Nov 2017 04:55
 Operator : SJ/JU
 Sample : I5873-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-18(0-1)_101217

Manual Integrations
 APPROVED

Sohil
 11/1/2017 4:58:29 PM

Quant Time: Nov 01 07:46:05 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 01 06:39:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	362013	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1523170	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	972668	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	2388342	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	2448666	20.00	ng/ul	0.01
83) Perylene-d12	23.72	264	2369407	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.34	96	37746	5.33	ng/uL	0.00
5) Phenol-d5	7.03	99	1002115	33.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	557568	31.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	790596	34.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	626882	24.25	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	395169	41.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	461314	46.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	909644	34.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	385619	14.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	2830486	33.31	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	3572331	35.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	438761	34.74	ng/ul	0.01
57) Fluorene-d10	15.48	176	2603249	36.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	287199	24.85	ng/ul	0.01
70) Anthracene-d10	17.33	188	4115195	36.16	ng/ul	0.01
76) Pyrene-d10	19.62	212	4638389	41.29	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.57	264	4043833	35.92	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.05	94	178327	5.663	ng/ul#	82
44) Dimethylphthalate	13.94	163	128575	1.530	ng/ul	98
47) Acenaphthylene	14.21	152	279187	2.910	ng/ul	97
69) Phenanthrene	17.27	178	2168356	16.788	ng/ul	99
71) Anthracene	17.36	178	716717	5.369	ng/ul	97
72) Carbazole	17.63	167	542597	4.907	ng/ul	98
74) Fluoranthene	19.29	202	5238537	35.794	ng/ul#	92
77) Pyrene	19.65	202	4298003	30.866	ng/ul#	91
80) Benzo(a)anthracene	21.39	228	2129069	14.520	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.32	149	1000981	11.992	ng/ul	97
82) Chrysene	21.44	228	2852498	21.880	ng/ul	95
85) Benzo(b)fluoranthene	23.02	252	4607530	31.457	ng/ul#	93
86) Benzo(k)fluoranthene	23.06	252	1337509m	9.702	ng/ul	
88) Benzo(a)pyrene	23.62	252	1995363	14.288	ng/ul#	90
89) Indeno(1,2,3-cd)pyrene	26.06	276	2149552	13.079	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.06	278	504881	3.623	ng/ul#	59
91) Benzo(g,h,i)perylene	26.78	276	1686031	12.658	ng/ul#	91

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

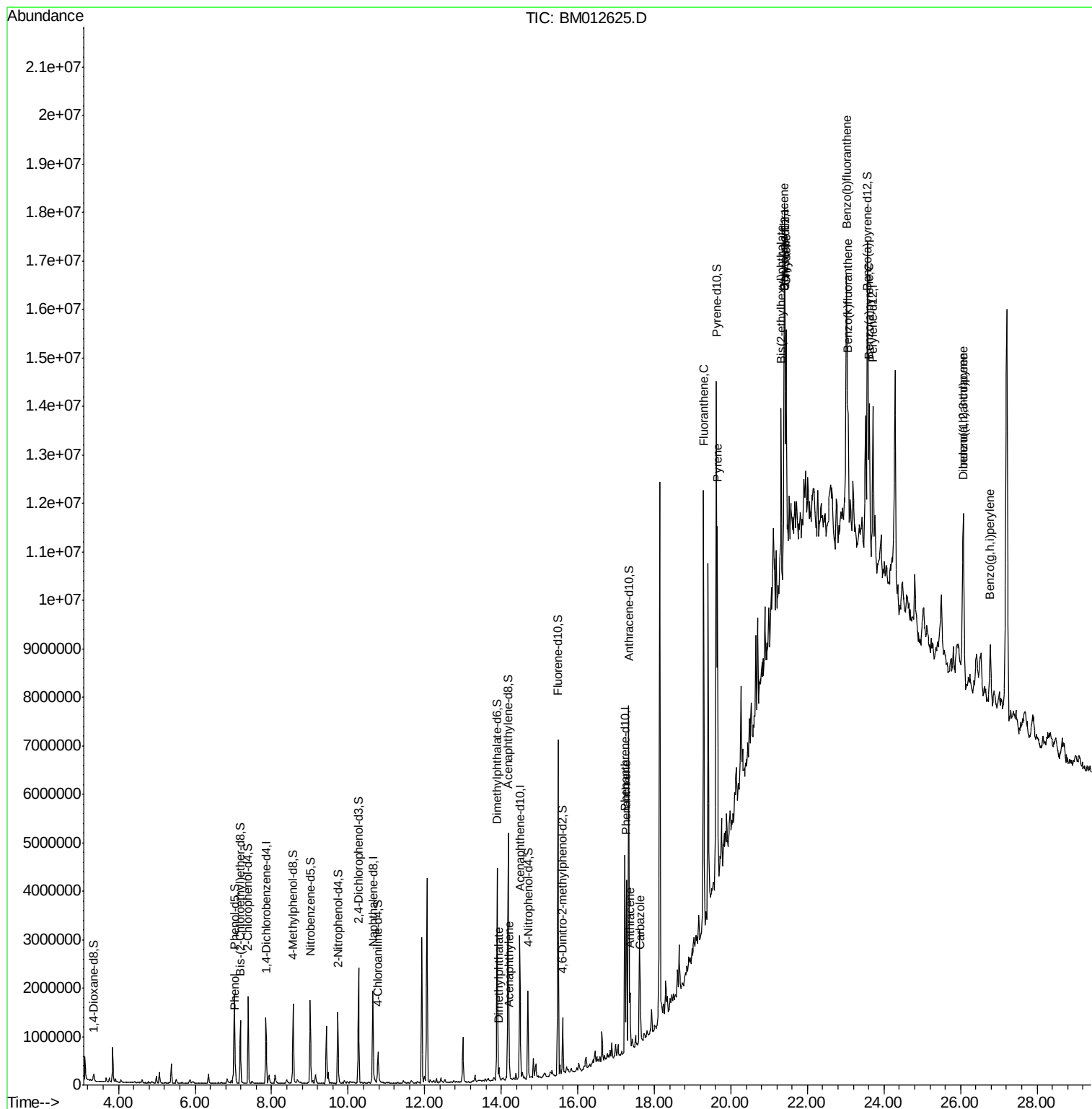
Data Path : Z:\HPCHEM1\BNA M\DATA\BM103117\
Data File : BM012625.D
Acq On : 01 Nov 2017 04:55
Operator : SJ/JU
Sample : I5873-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

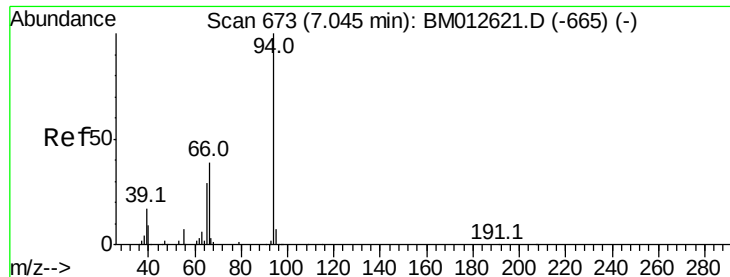
Instrument :
BNA_M
ClientSampleId :
B-18(0-1)_101217

Quant Time: Nov 01 07:46:05 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 01 06:39:17 2017
Response via : Initial Calibration

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#6

Phenol

Concen: 5.663 ng/ul

RT: 7.05 min Scan# 674

Delta R.T. 0.01 min

Lab File: BM012625.D

Acq: 01 Nov 2017 04:55

Instrument :

BNA_M

ClientSampleId :

B-18(0-1)_101217

Tot Ion: 94 Resp: 178327

Ion Ratio Lower Upper

94 100

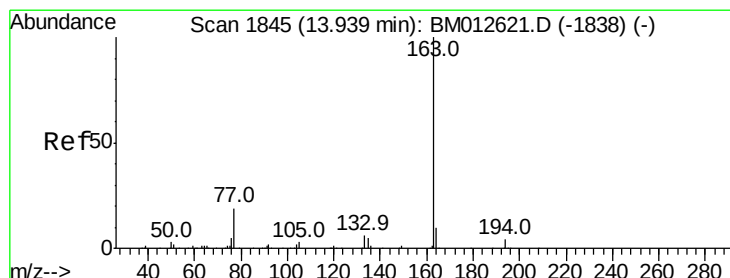
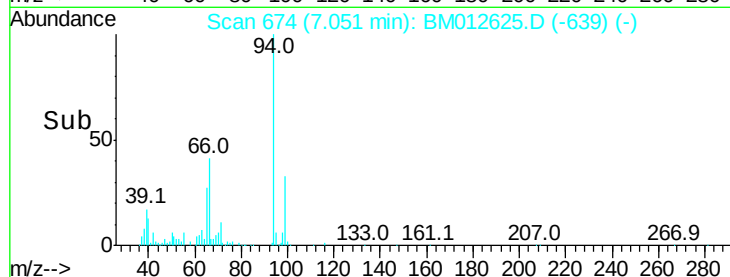
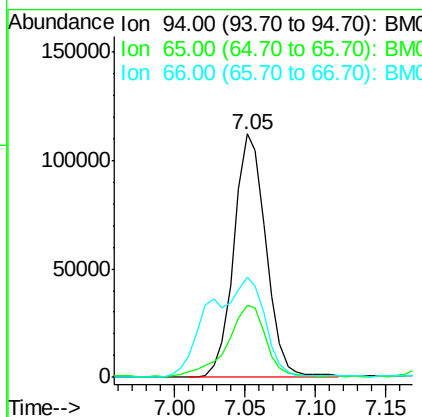
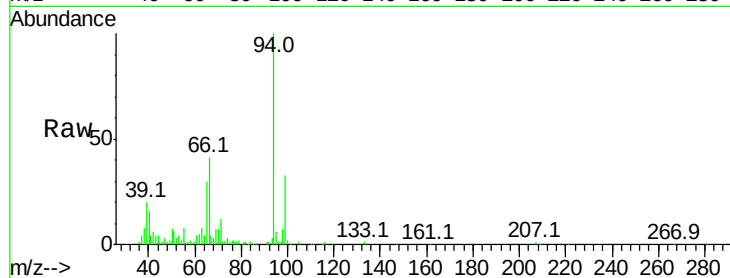
65 29.9 28.2 42.4

66 41.1 47.2 70.8#

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#44

Dimethylphthalate

Concen: 1.530 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BM012625.D

Acq: 01 Nov 2017 04:55

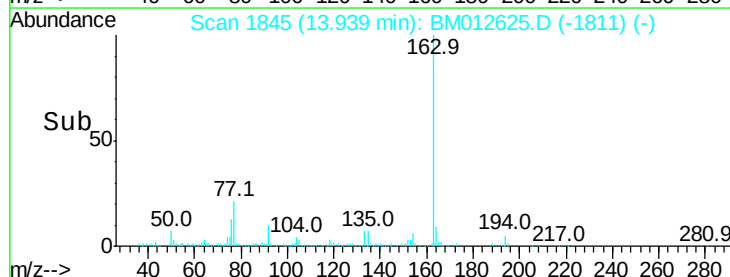
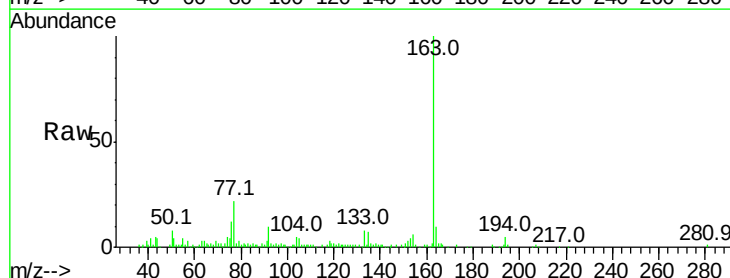
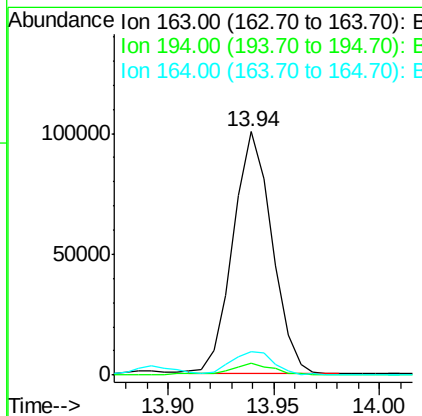
Tgt Ion:163 Resp: 128575

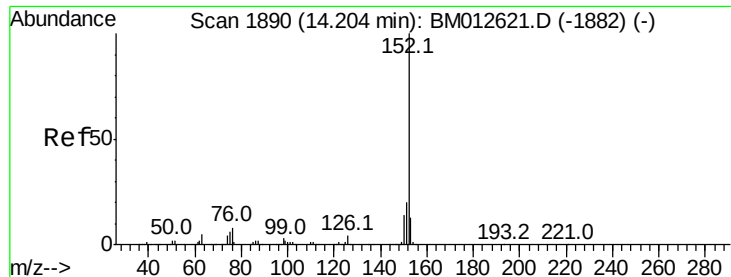
Ion Ratio Lower Upper

163 100

194 4.9 3.5 5.3

164 9.5 8.2 12.4





#47

Acenaphthylene

Concen: 2.910 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM012625.D

Acq: 01 Nov 2017 04:55

Instrument :

BNA_M

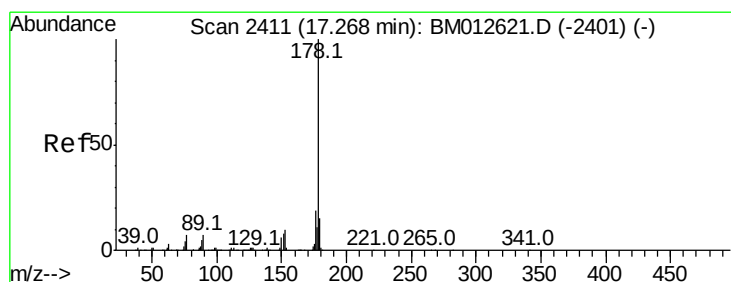
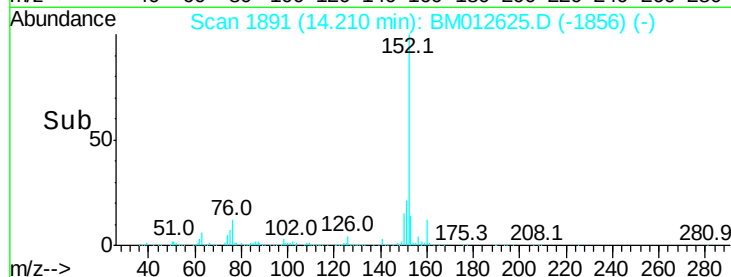
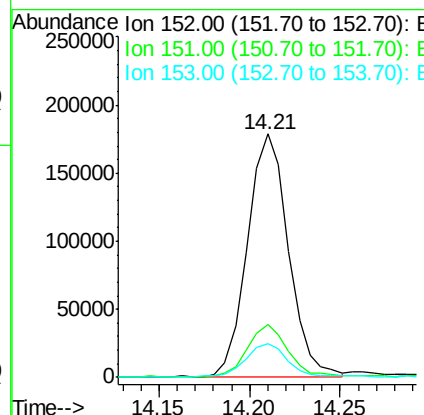
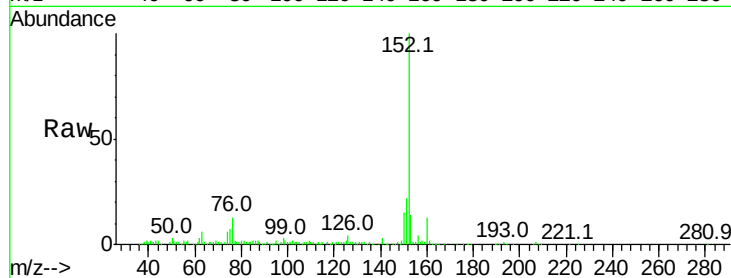
ClientSampleId :

B-18(0-1)_101217

Tot Ion:	152	Resp:	279187
Ion Ratio		Lower	Upper
152	100		
151	21.8	16.3	24.5
153	13.9	10.2	15.4

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#69

Phenanthrene

Concen: 16.788 ng/ul

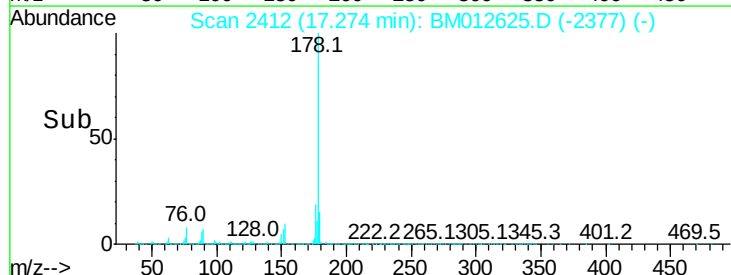
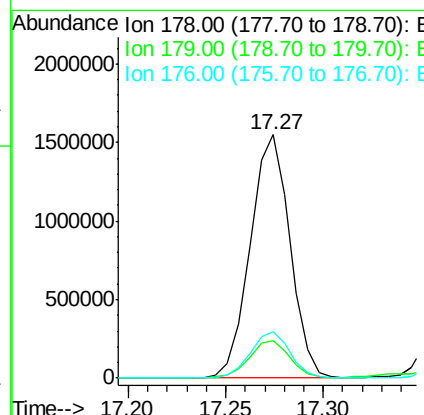
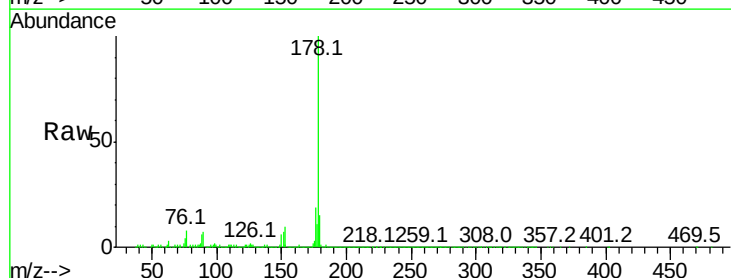
RT: 17.27 min Scan# 2412

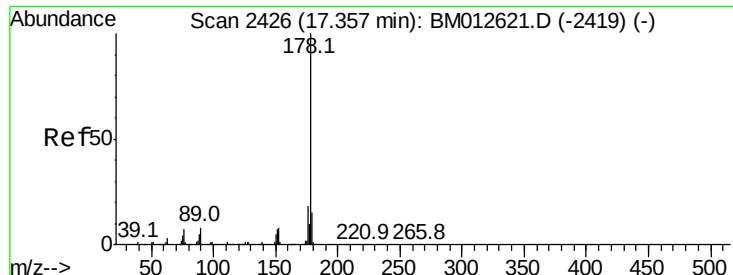
Delta R.T. 0.01 min

Lab File: BM012625.D

Acq: 01 Nov 2017 04:55

Tgt Ion:	178	Resp:	2168356
Ion Ratio		Lower	Upper
178	100		
179	15.5	12.6	19.0
176	18.9	14.9	22.3





#71

Anthracene

Concen: 5.369 ng/ul

RT: 17.36 min Scan# 2427

Delta R.T. 0.01 min

Lab File: BM012625.D

Acq: 01 Nov 2017 04:55

Instrument :

BNA_M

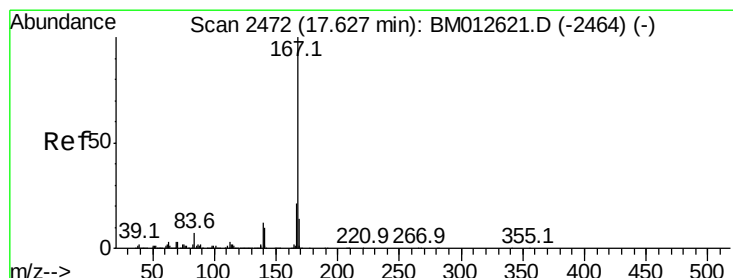
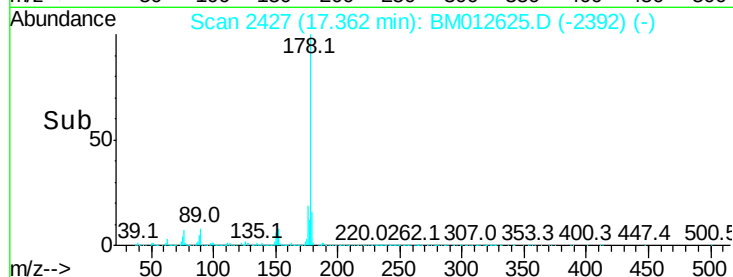
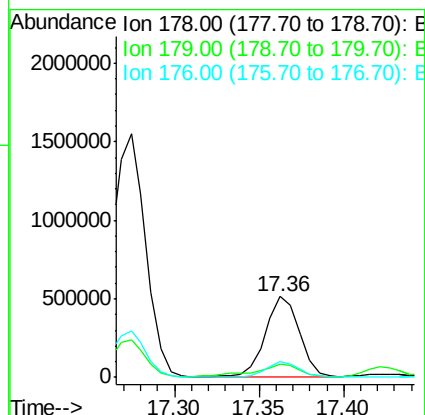
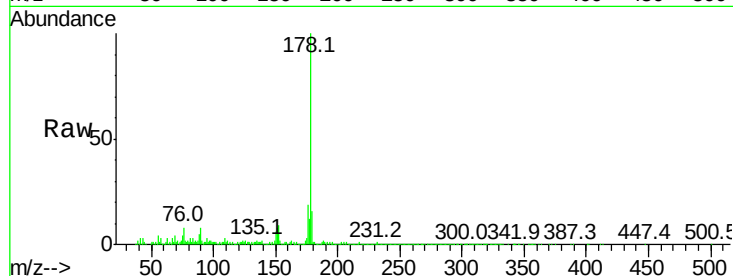
ClientSampleId :

B-18(0-1)_101217

Tot Ion:	178	Resp:	716717
Ion Ratio	Lower	Upper	
178	100		
179	16.1	11.7	17.5
176	19.1	14.6	21.8

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#72

Carbazole

Concen: 4.907 ng/ul

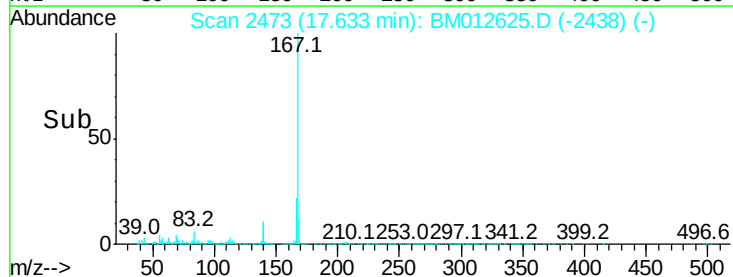
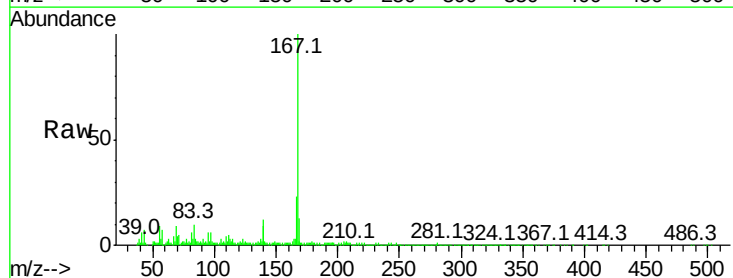
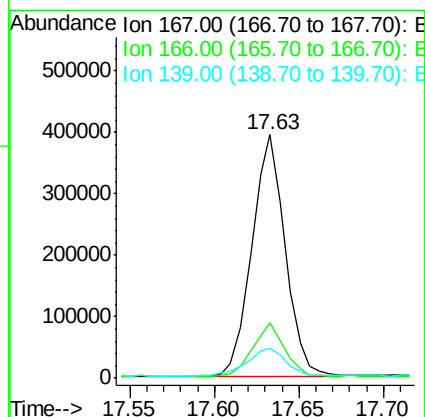
RT: 17.63 min Scan# 2473

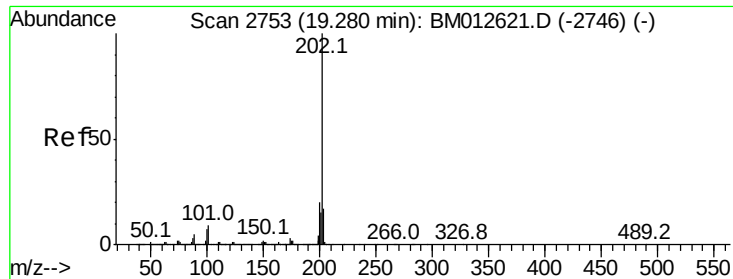
Delta R.T. 0.01 min

Lab File: BM012625.D

Acq: 01 Nov 2017 04:55

Tgt Ion:	167	Resp:	542597
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.1	25.7
139	12.2	10.0	15.0





#74

Fluoranthene

Concen: 35.794 ng/ul

RT: 19.29 min Scan# 2754

Delta R.T. 0.01 min

Lab File: BM012625.D

Acq: 01 Nov 2017 04:55

Instrument :

BNA_M

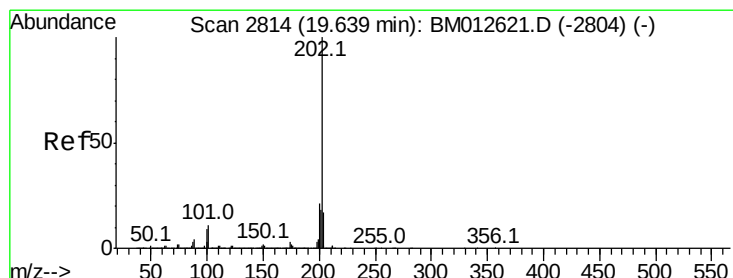
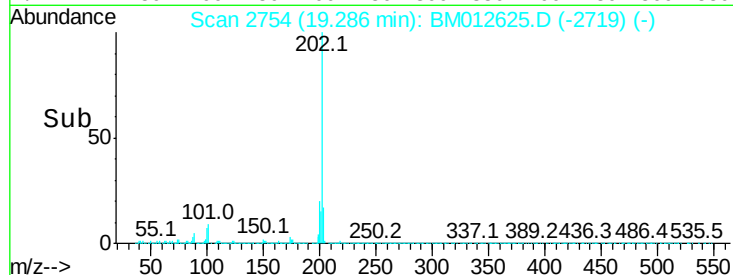
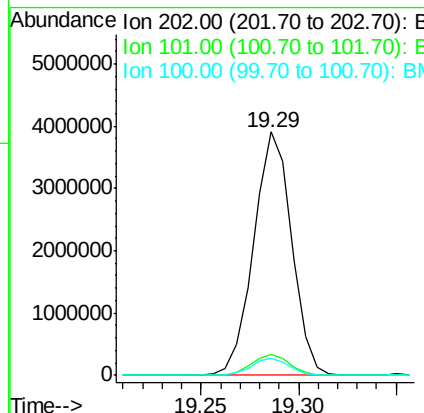
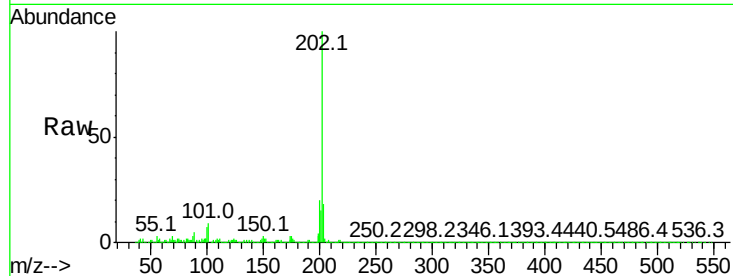
ClientSampleId :

B-18(0-1)_101217

Tot Ion:	202	Resp:	5238537
Ion Ratio	Lower	Upper	
202	100		
101	8.6	4.6	7.0#
100	6.9	3.4	5.2#

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#77

Pyrene

Concen: 30.866 ng/ul

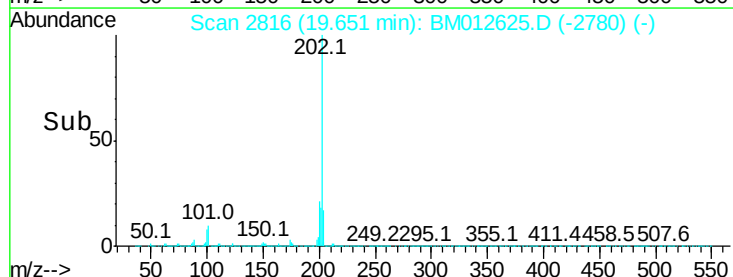
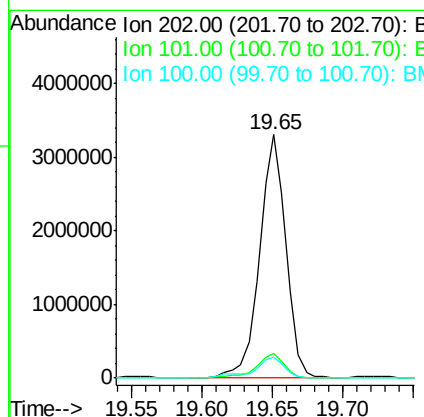
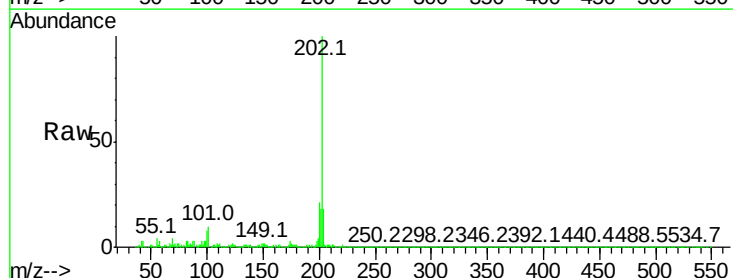
RT: 19.65 min Scan# 2816

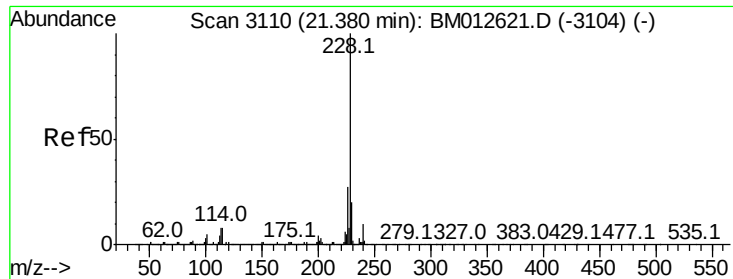
Delta R.T. 0.01 min

Lab File: BM012625.D

Acq: 01 Nov 2017 04:55

Tgt Ion:	202	Resp:	4298003
Ion Ratio	Lower	Upper	
202	100		
101	10.0	5.1	7.7#
100	8.4	4.9	7.3#





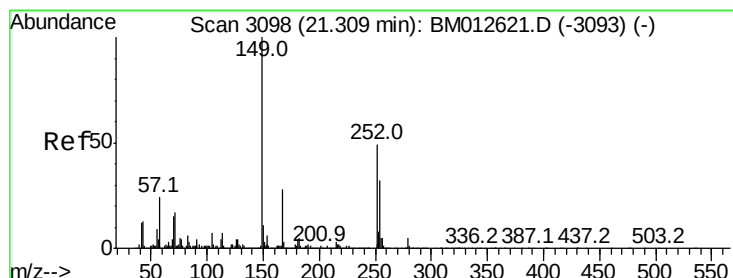
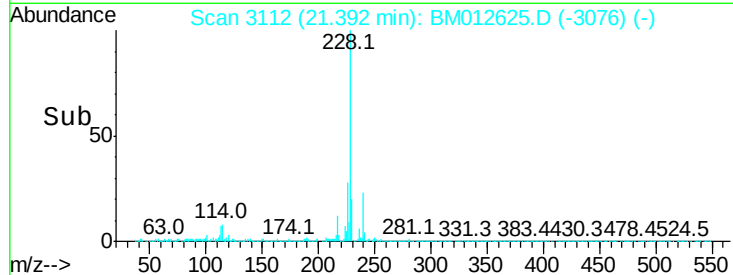
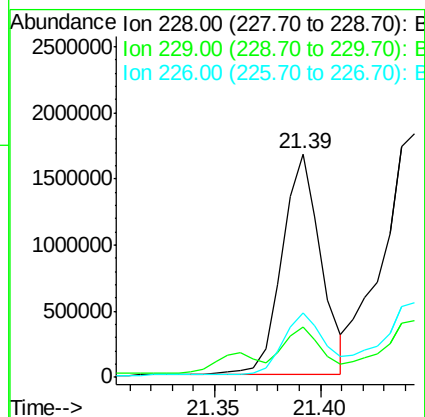
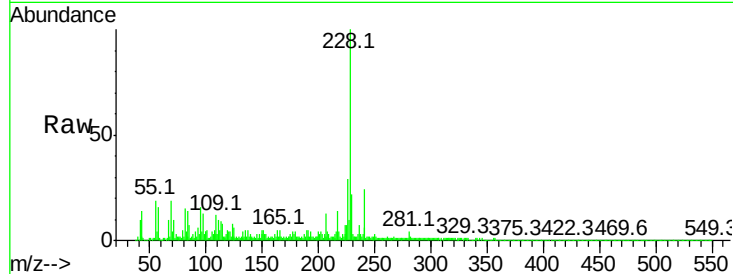
#80
Benzo(a)anthracene
Concen: 14.520 ng/ul
RT: 21.39 min Scan# 3112
Delta R.T. 0.01 min
Lab File: BM012625.D
Acq: 01 Nov 2017 04:55

Instrument :
BNA_M
ClientSampleId :
B-18(0-1)_101217

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.4	23.0
226	28.9	21.4	32.0

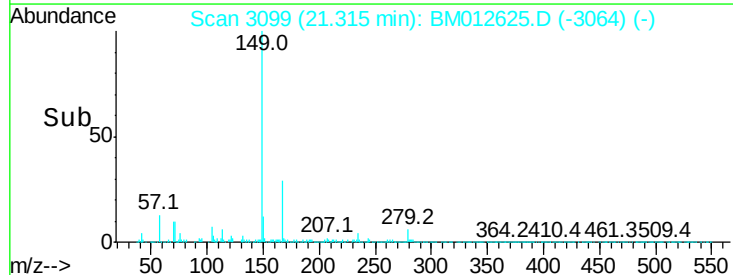
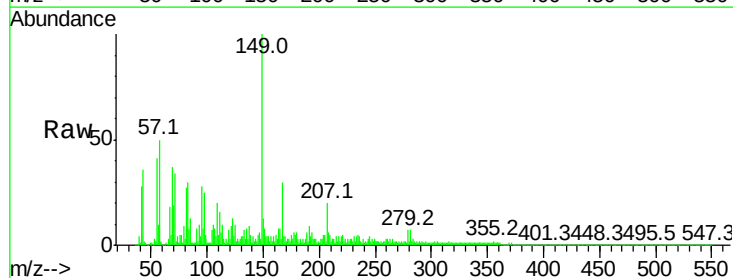
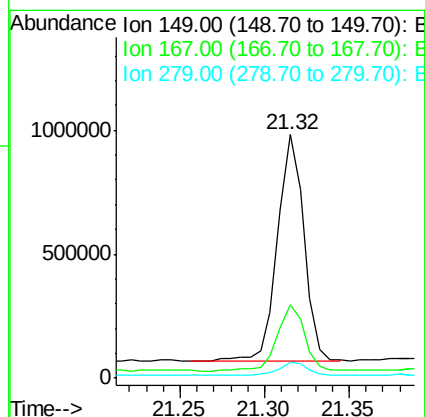
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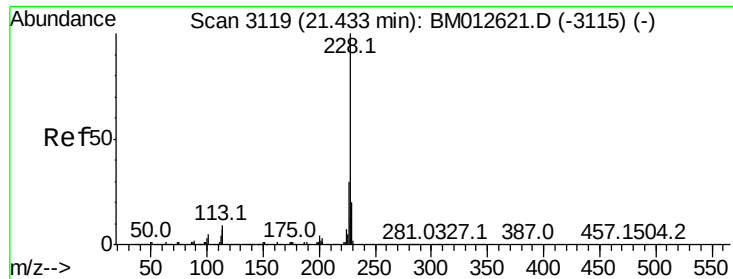
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#81
Bis(2-ethylhexyl)phthalate
Concen: 11.992 ng/ul
RT: 21.32 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BM012625.D
Acq: 01 Nov 2017 04:55

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.2	22.8	34.2
279	6.7	4.9	7.3





#82

Chrysene

Concen: 21.880 ng/ul

RT: 21.44 min Scan# 3121

Delta R.T. 0.01 min

Lab File: BM012625.D

Acq: 01 Nov 2017 04:55

Instrument :

BNA_M

ClientSampleId :

B-18(0-1) 101217

Tot Ion:228 Resp: 2852498

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	23.2	15.5	23.3

228 100

226 30.8 23.4 35.2

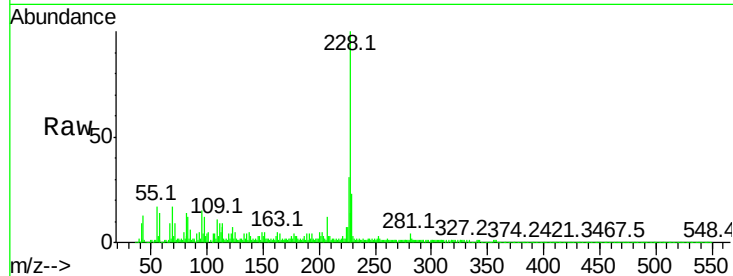
229 23.2 15.5 23.3

Manual Integrations

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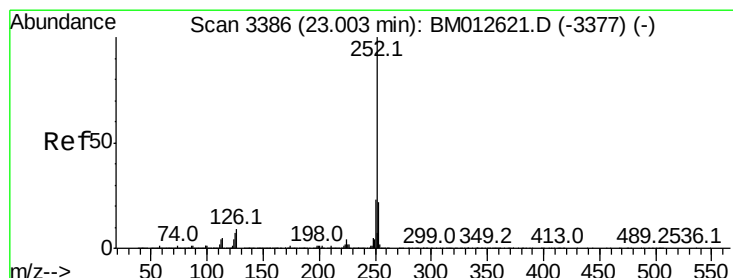
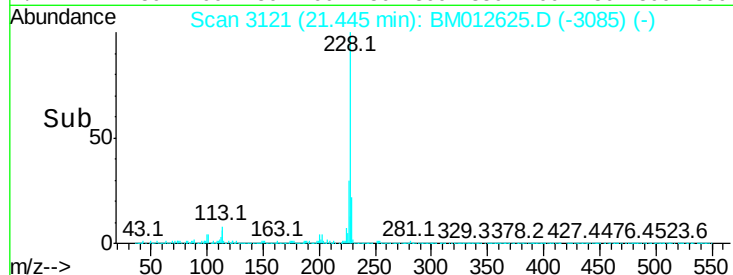
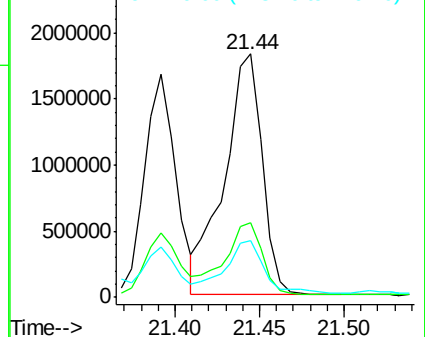


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 31.457 ng/ul

RT: 23.02 min Scan# 3389

Delta R.T. 0.02 min

Lab File: BM012625.D

Acq: 01 Nov 2017 04:55

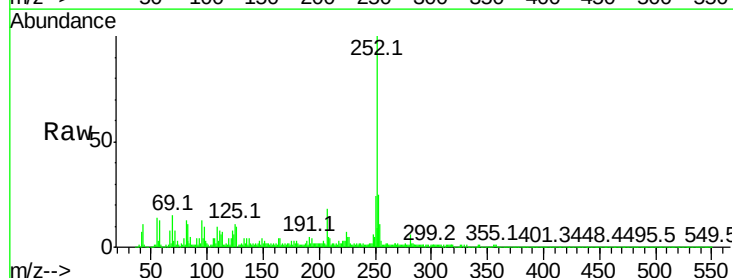
Tgt Ion:252 Resp: 4607530

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	11.2	3.6	5.4

252 100

253 24.6 17.9 26.9

125 11.2 3.6 5.4

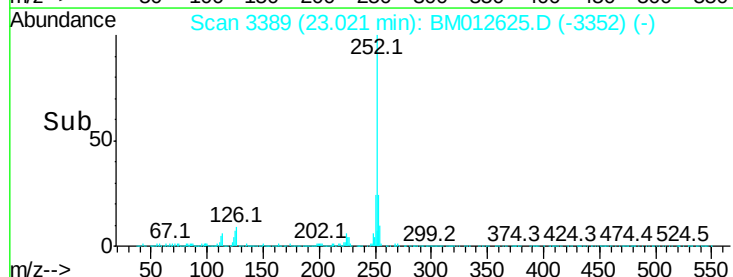
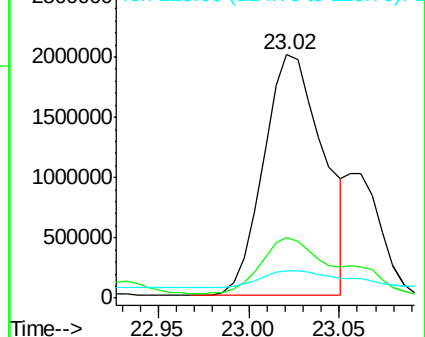


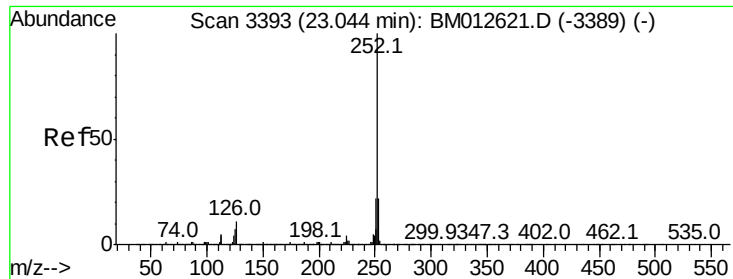
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





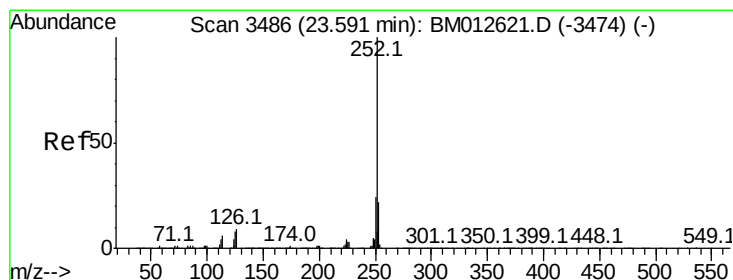
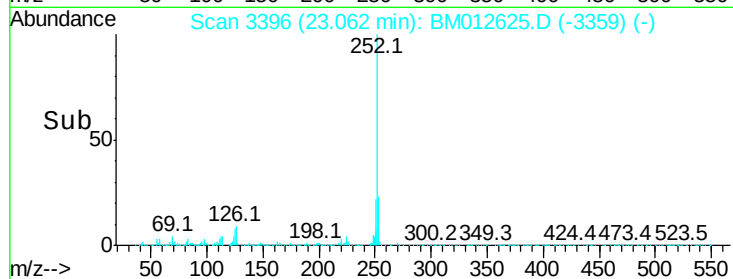
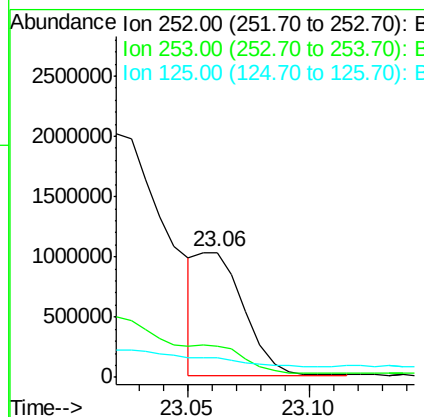
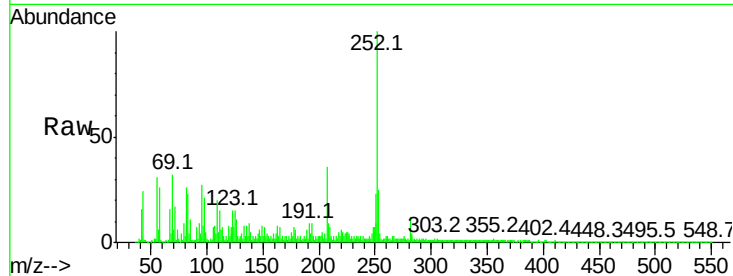
#86
Benzo(k)fluoranthene
Concen: 9.702 ng/ul m
RT: 23.06 min Scan# 3396
Delta R.T. 0.02 min
Lab File: BM012625.D
Acq: 01 Nov 2017 04:55

Instrument :
BNA_M
ClientSampleId :
B-18(0-1)_101217

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	15.4	3.4	5.2#

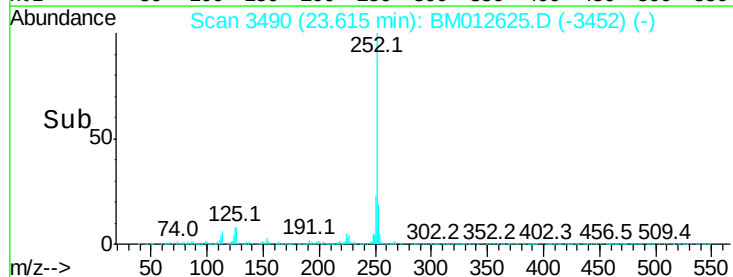
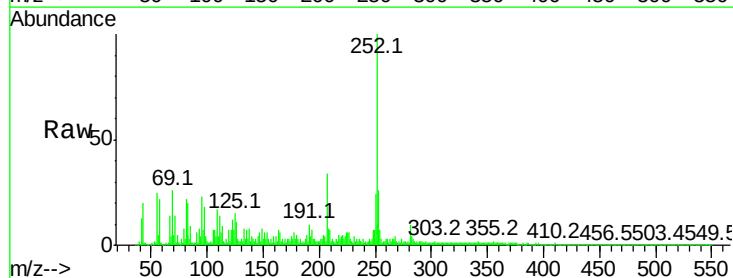
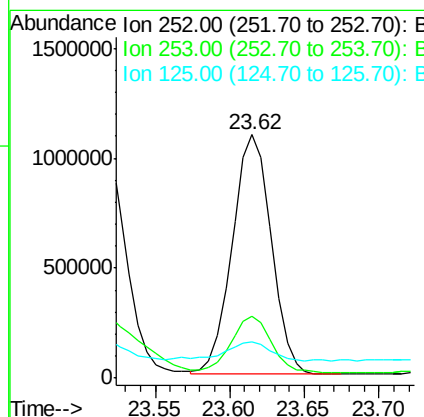
Manual Integrations
APPROVED

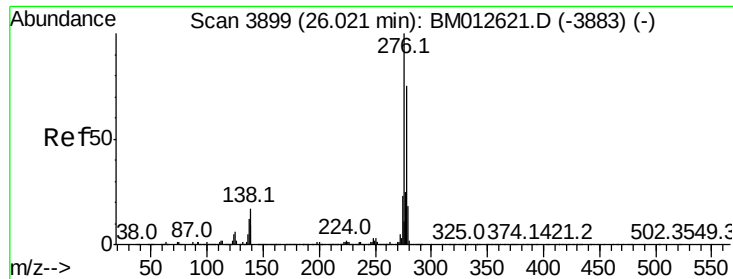
Sohil
11/1/2017 4:58:29 PM



#88
Benzo(a)pyrene
Concen: 14.288 ng/ul
RT: 23.62 min Scan# 3490
Delta R.T. 0.02 min
Lab File: BM012625.D
Acq: 01 Nov 2017 04:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	15.0	4.0	6.0#





#89

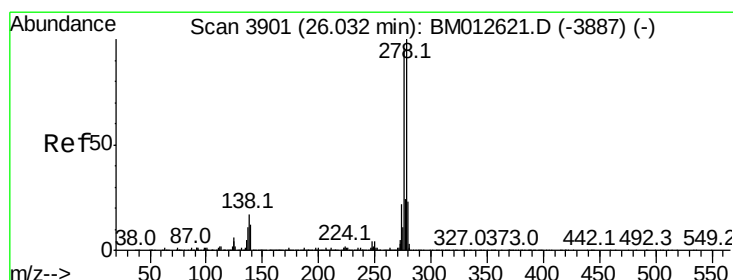
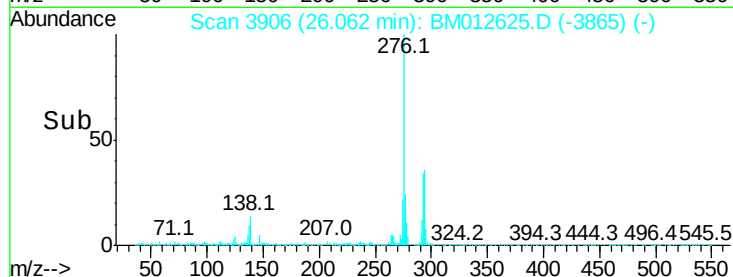
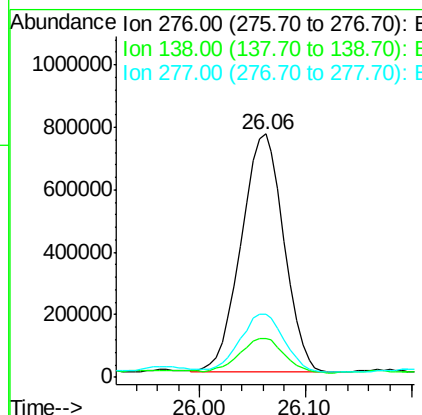
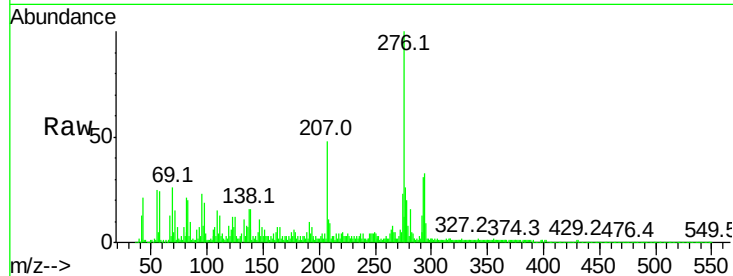
Indeno(1,2,3-cd)pyrene
Concen: 13.079 ng/ul
RT: 26.06 min Scan# 3906
Delta R.T. 0.04 min
Lab File: BM012625.D
Acq: 01 Nov 2017 04:55

Instrument :
BNA_M
ClientSampleId :
B-18(0-1)_101217

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.8	9.3	13.9#
277	26.1	19.9	29.9

Manual Integrations
APPROVED

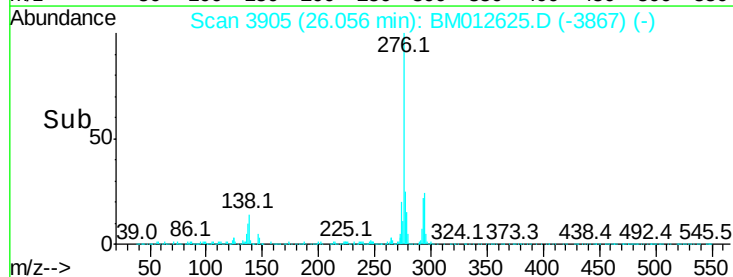
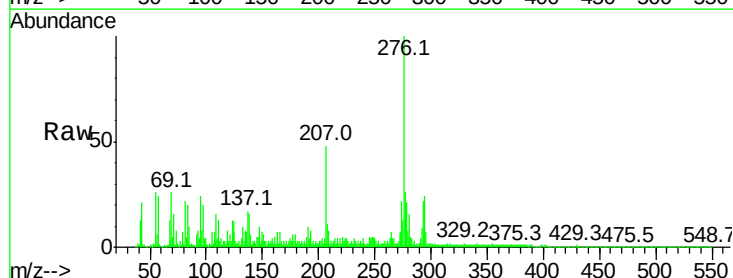
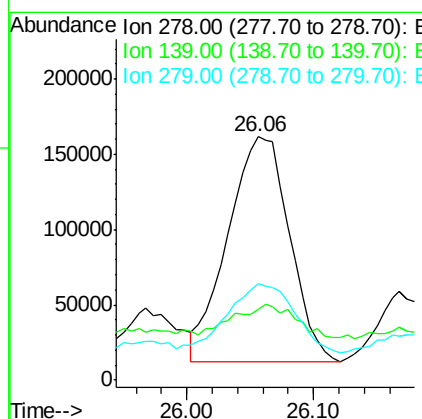
Sohil
11/1/2017 4:58:29 PM

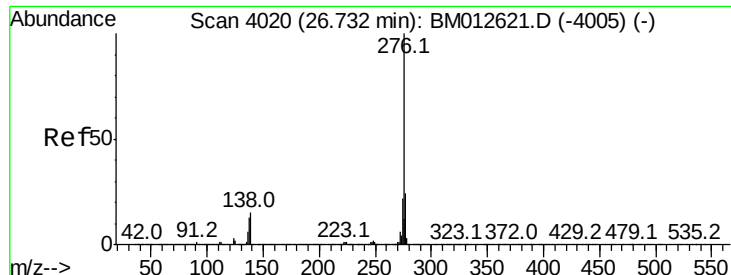


#90

Dibenzo(a,h)anthracene
Concen: 3.623 ng/ul
RT: 26.06 min Scan# 3905
Delta R.T. 0.02 min
Lab File: BM012625.D
Acq: 01 Nov 2017 04:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.1	5.8	8.8#
279	39.7	18.6	27.8#





#91
 Benzo(a,h,i)perylene
 Concen: 12.658 ng/ul
 RT: 26.78 min Scan# 4028
 Delta R.T. 0.05 min
 Lab File: BM012625.D
 Acq: 01 Nov 2017 04:55

Instrument :
 BNA_M
 ClientSampleId :
 B-18(0-1)_101217

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	8.5	12.7#
277	25.7	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 11/1/2017 4:58:29 PM

