

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102518\
 Data File : BM017347.D
 Acq On : 25 Oct 2018 17:00
 Operator : MJ/SJ
 Sample : J5598-09DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 C0AE0DL

Manual Integrations
 APPROVED

Sohil
 10/26/2018 3:48:41 PM

Quant Time: Oct 26 01:46:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 26 01:13:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	285202	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1346028	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	815413	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1919363	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2197200	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2170563	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	10591	1.71	ng/uL	0.00
5) Phenol-d5	6.83	99	244316	9.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	151268	9.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	201883	10.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	198069	9.62	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	102736	9.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	116123	9.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	208834	9.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	214963	12.02	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	694795	9.94	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	857735	10.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.53	143	88126m	6.75	ng/ul	0.02
58) Fluorene-d10	15.29	176	617967	10.18	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	94132	7.04	ng/ul	0.00
71) Anthracene-d10	17.14	188	963459	10.14	ng/ul	0.00
79) Pyrene-d10	19.44	212	1104163	10.85	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	1206896	10.53	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.86	94	70275	2.717	ng/ul 97
28) Naphthalene	10.47	128	256126	3.637	ng/ul 98
45) Dimethylphthalate	13.76	163	159694	2.357	ng/ul 98
48) Acenaphthylene	14.02	152	260352	3.267	ng/ul 99
54) Dibenzofuran	14.70	168	109655	1.357	ng/ul 99
70) Phenanthrene	17.09	178	396626	3.599	ng/ul 99
72) Anthracene	17.18	178	416122	3.717	ng/ul 99
77) Fluoranthene	19.12	202	3294865	26.080	ng/ul 100
80) Pyrene	19.48	202	3686481	28.893	ng/ul 99
83) Benzo(a)anthracene	21.23	228	2496612	18.568	ng/ul 97
85) Chrysene	21.28	228	2945580	23.038	ng/ul 98
88) Benzo(b)fluoranthene	22.80	252	5941159	46.761	ng/ul 98
89) Benzo(k)fluoranthene	22.84	252	2158613m	17.393	ng/ul
91) Benzo(a)pyrene	23.36	252	2167736	17.464	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.66	276	1698643	11.247	ng/ul 97
93) Dibenzo(a,h)anthracene	25.67	278	453235	3.594	ng/ul# 84
94) Benzo(g,h,i)perylene	26.34	276	1179655	9.194	ng/ul 99

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

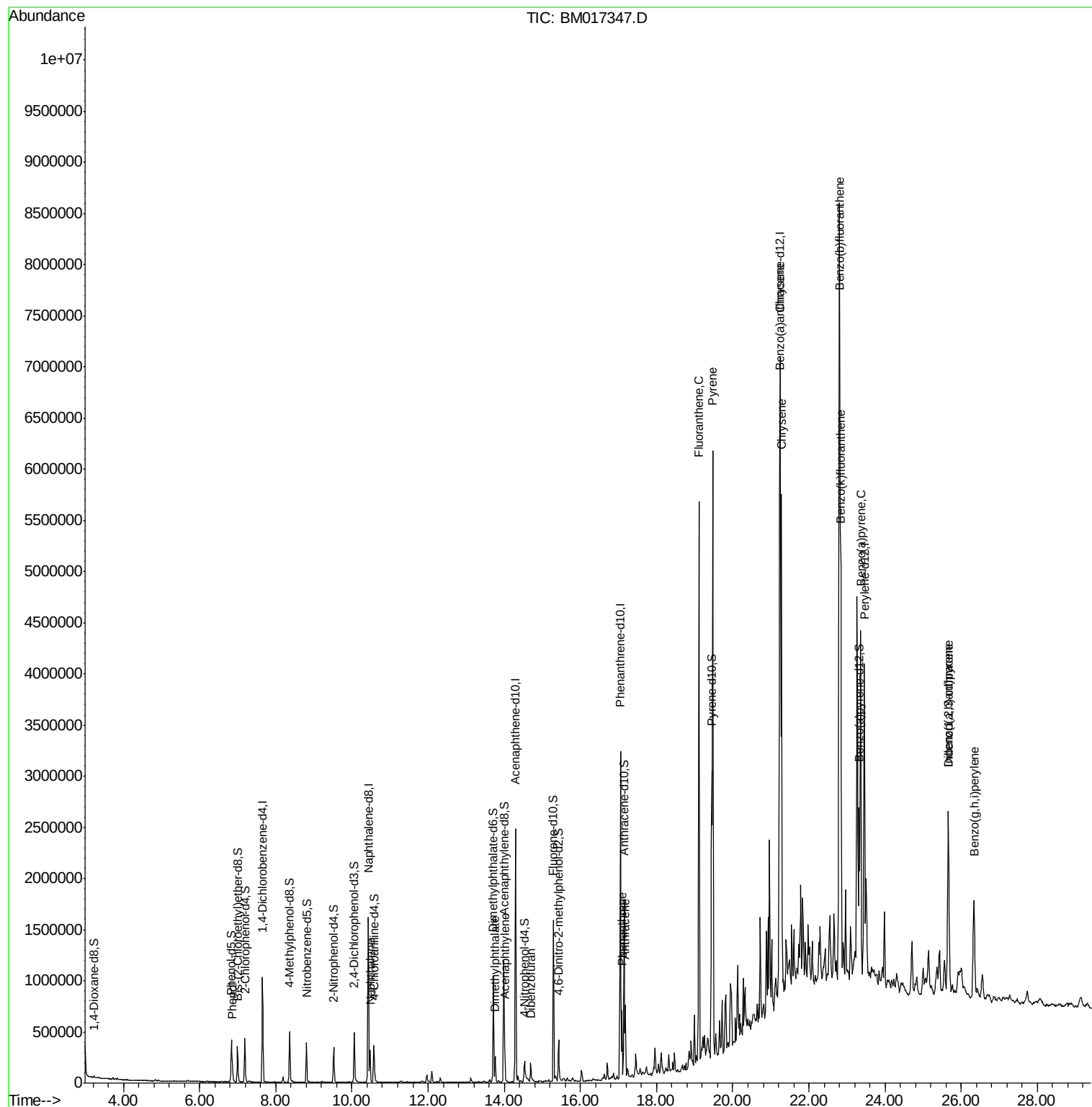
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102518\
Data File : BM017347.D
Acq On : 25 Oct 2018 17:00
Operator : MJ/SJ
Sample : J5598-09DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

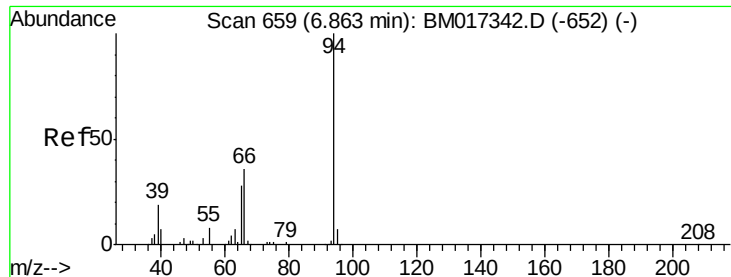
Instrument :
BNA_M
ClientSampleId :
C0AE0DL

Quant Time: Oct 26 01:46:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 26 01:13:26 2018
Response via : Initial Calibration

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#6

Phenol

Concen: 2.717 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

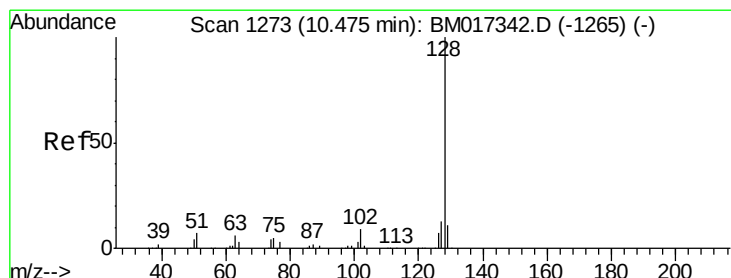
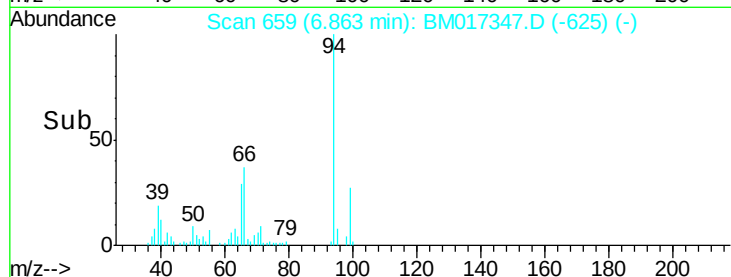
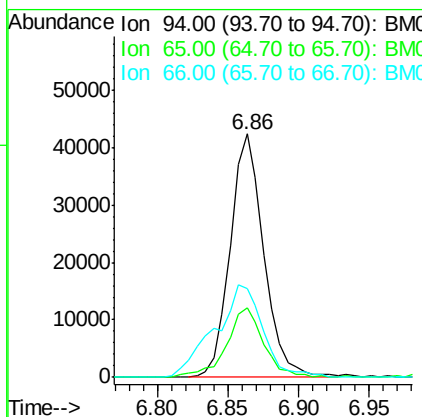
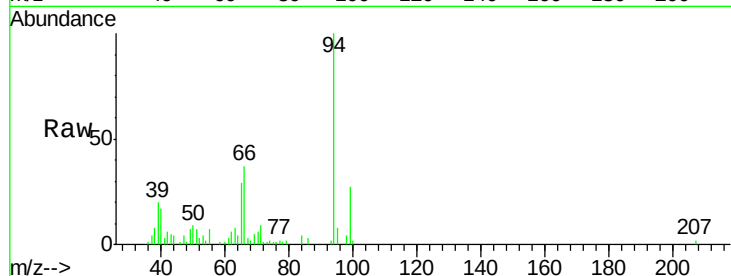
ClientSampleId :

C0AE0DL

Tgt Ion:	94	Resp:	70275
Ion Ratio	Lower	Upper	
94	100		
65	28.5	24.0	36.0
66	36.6	31.1	46.7

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#28

Naphthalene

Concen: 3.637 ng/ul

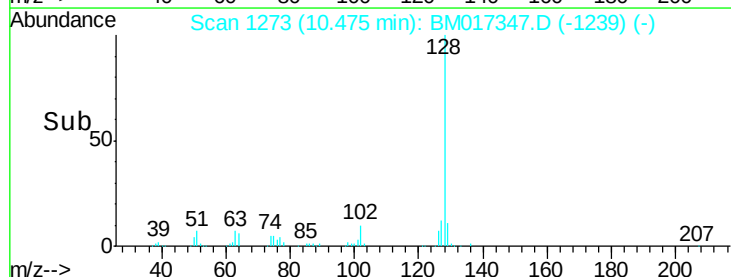
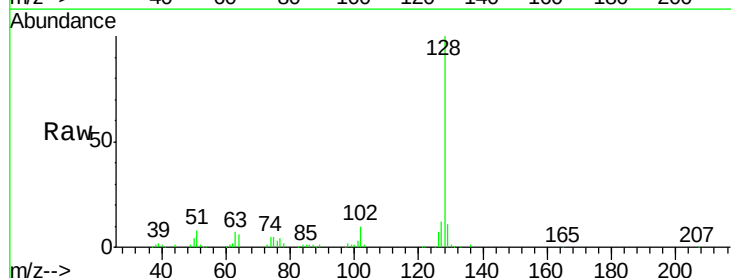
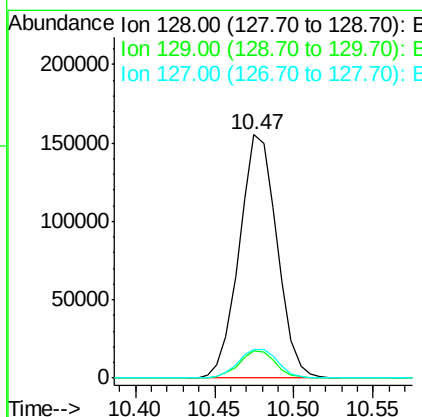
RT: 10.47 min Scan# 1273

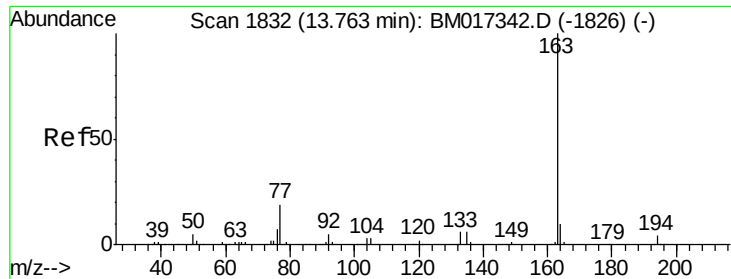
Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Tgt Ion:	128	Resp:	256126
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	12.8
127	11.9	10.3	15.5





#45

Dimethylphthalate

Concen: 2.357 ng/ul

RT: 13.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

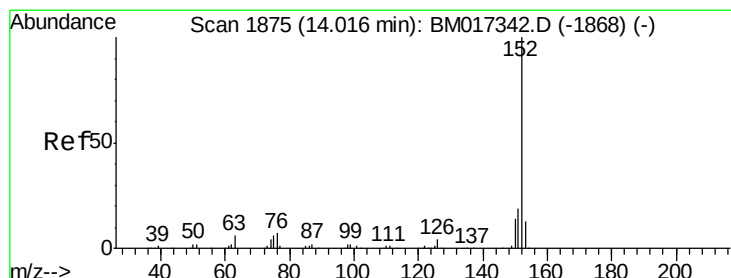
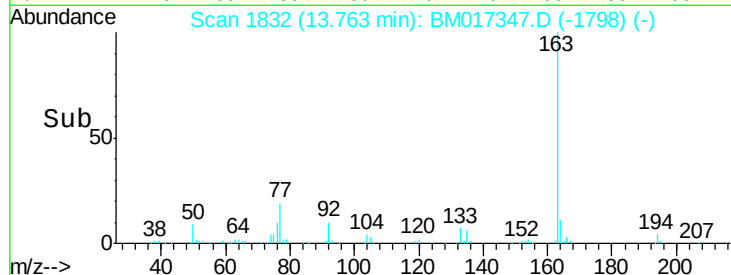
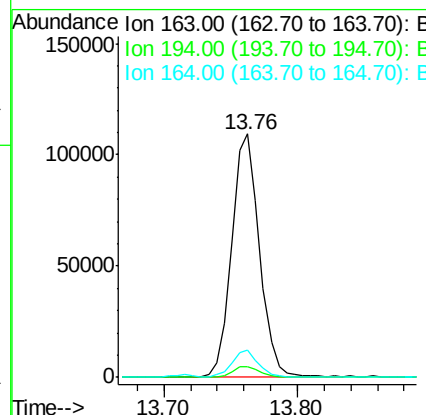
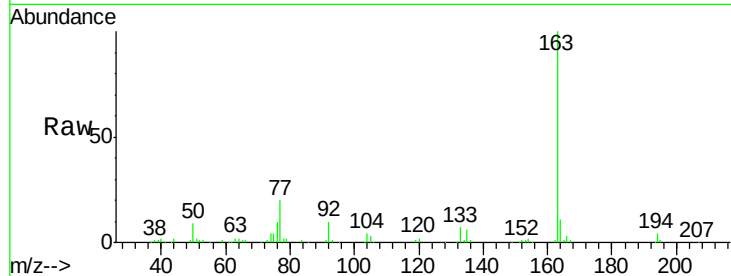
ClientSampled :

C0AE0DL

Tgt Ion:	163	Resp:	159694
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.2	4.8
164	11.1	8.1	12.1

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#48

Acenaphthylene

Concen: 3.267 ng/ul

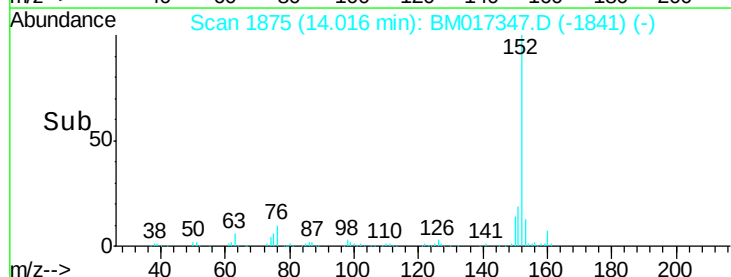
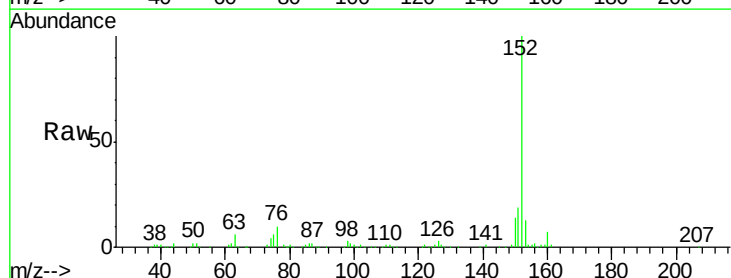
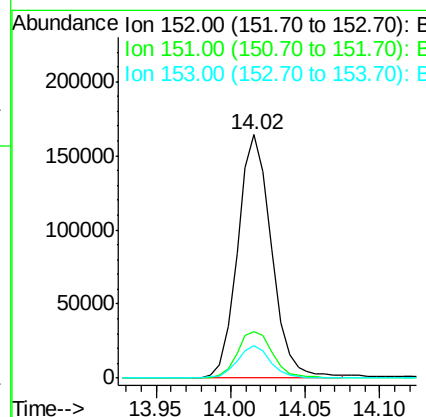
RT: 14.02 min Scan# 1875

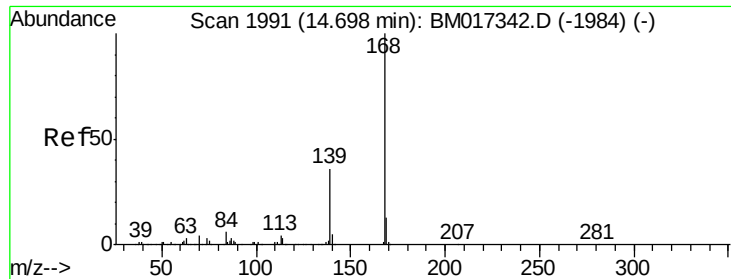
Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Tgt Ion:	152	Resp:	260352
Ion Ratio	Lower	Upper	
152	100		
151	19.0	15.3	22.9
153	13.3	10.2	15.4





#54

Dibenzenofuran

Concen: 1.357 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

C0AE0DL

Tgt Ion:168 Resp: 109655

Ion Ratio Lower Upper

168 100

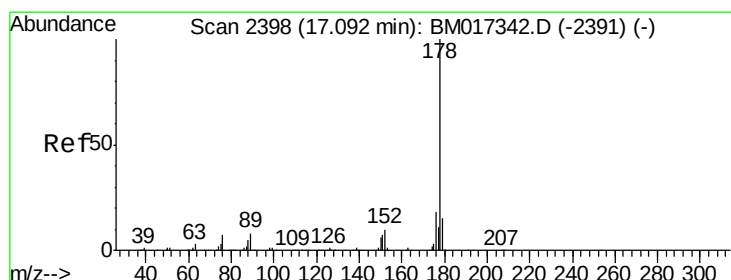
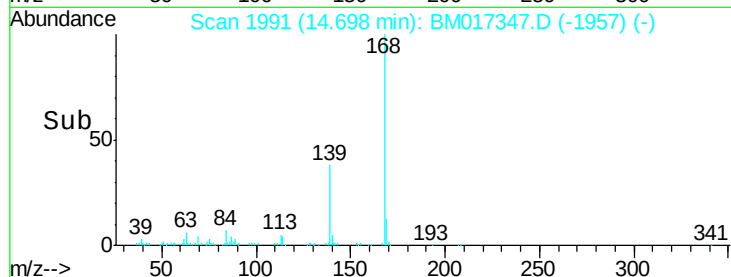
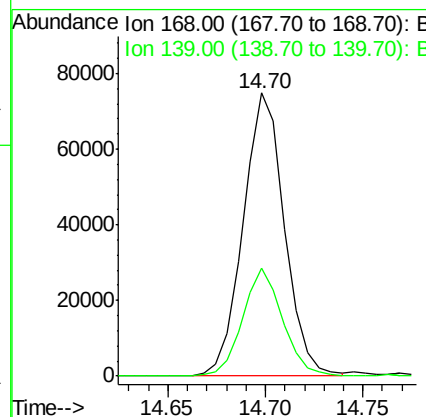
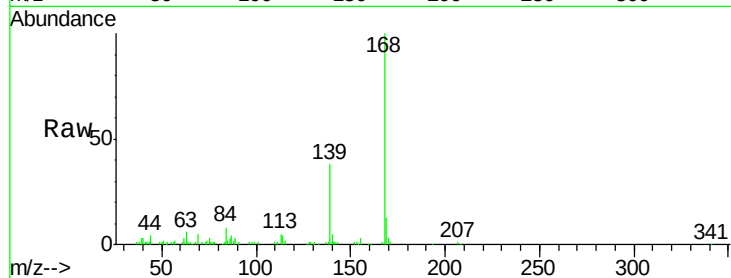
139 38.0 30.1 45.1

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#70

Phenanthrene

Concen: 3.599 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

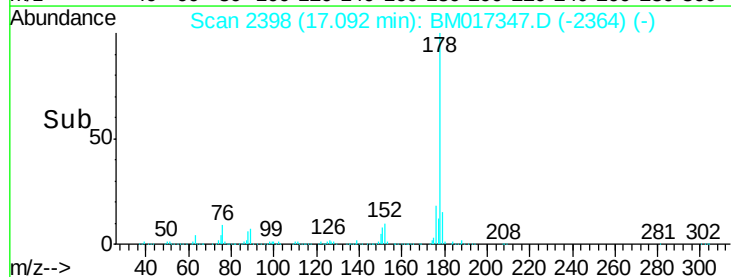
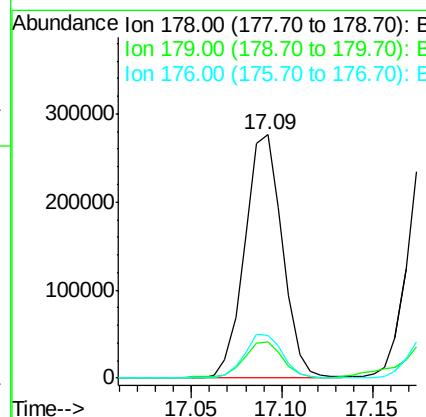
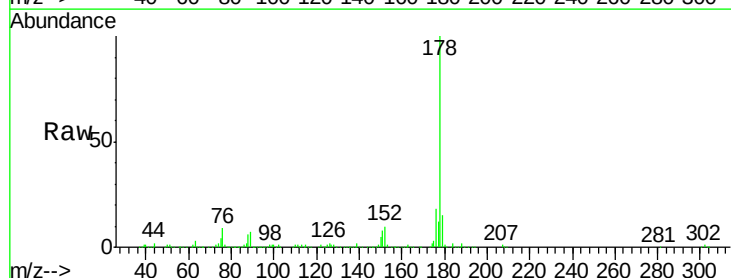
Tgt Ion:178 Resp: 396626

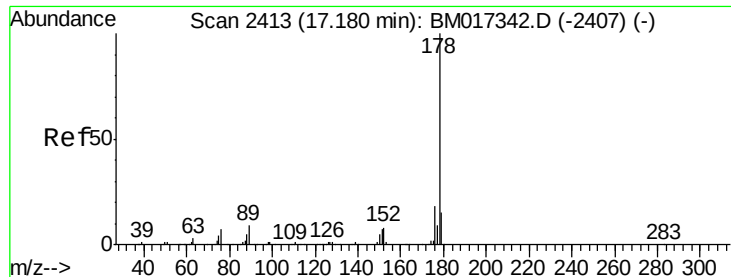
Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

176 17.7 14.9 22.3





#72

Anthracene

Concen: 3.717 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

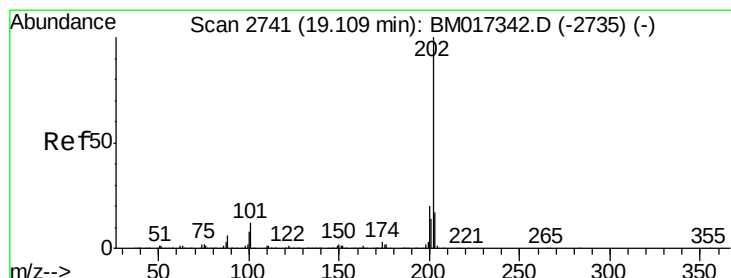
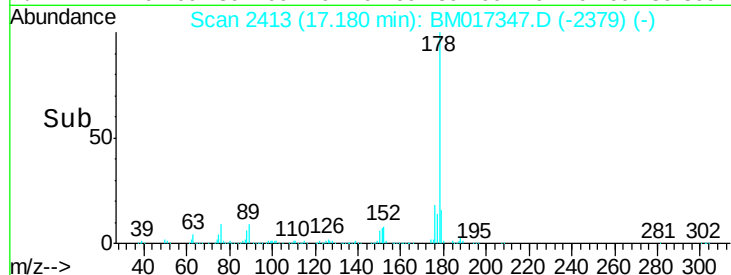
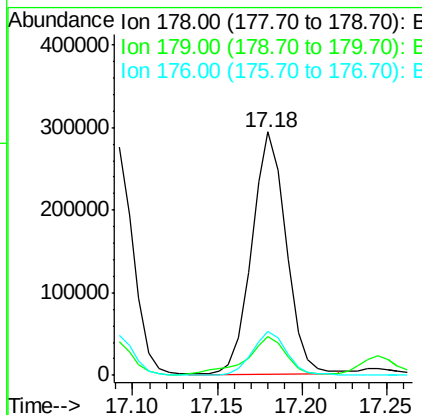
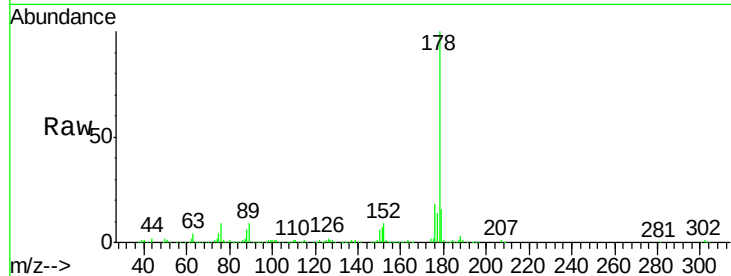
ClientSampleId :

C0AE0DL

Tgt Ion:	178	Resp:	416122
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.2	18.2
176	18.0	14.2	21.2

Manual Integrations
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#77

Fluoranthene

Concen: 26.080 ng/ul

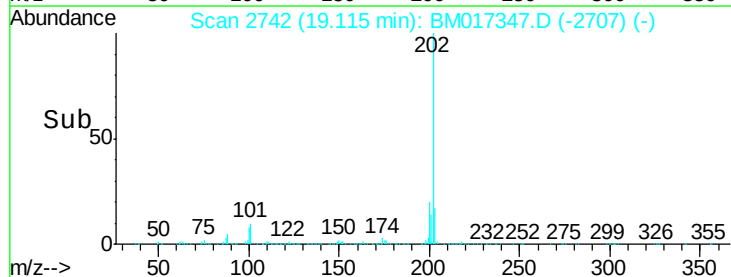
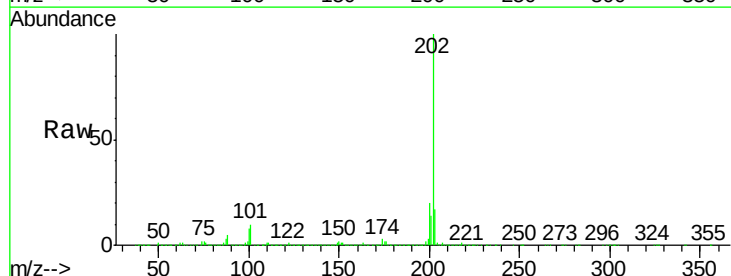
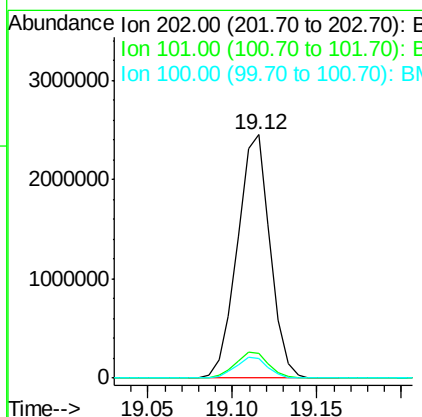
RT: 19.12 min Scan# 2742

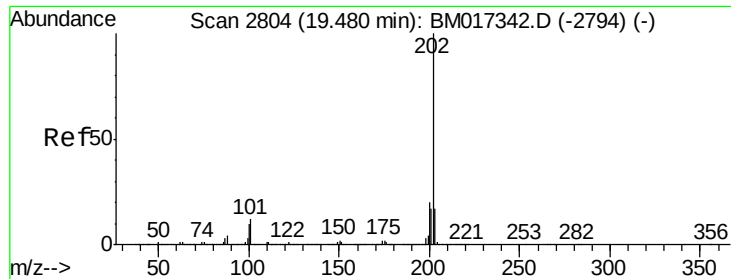
Delta R.T. 0.01 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Tgt Ion:	202	Resp:	3294865
Ion Ratio	Lower	Upper	
202	100		
101	10.2	8.2	12.4
100	7.9	6.3	9.5





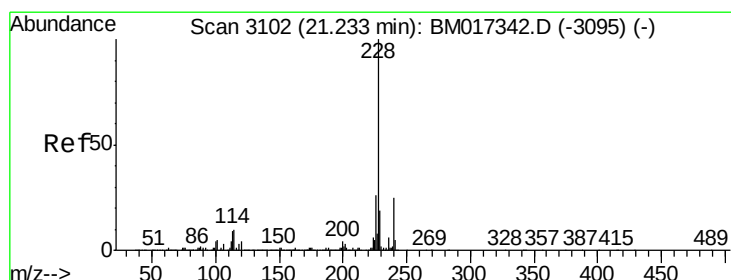
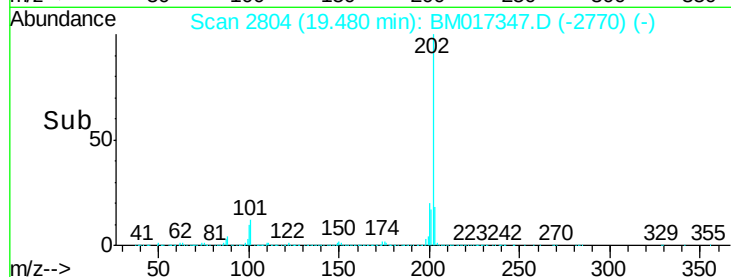
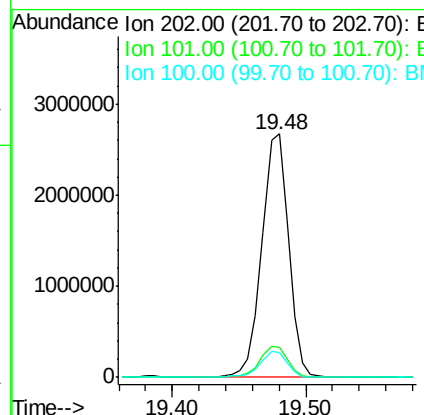
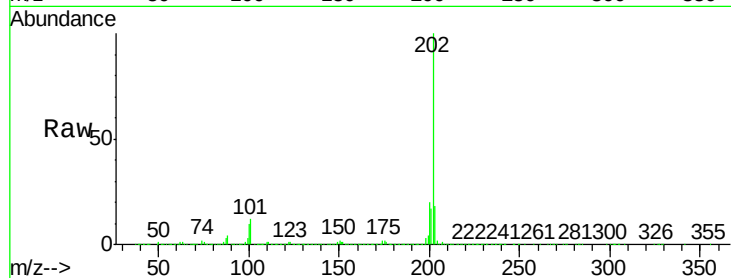
#80
 Pyrene
 Concen: 28.893 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.00 min
 Lab File: BM017347.D
 Acq: 25 Oct 2018 17:00

Instrument :
 BNA_M
 ClientSampleId :
 C0AE0DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.5	14.3
100	10.1	8.1	12.1

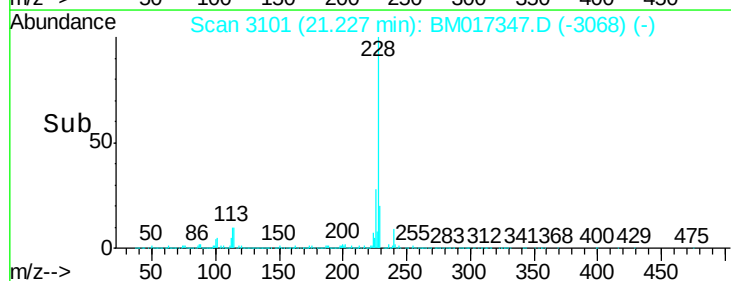
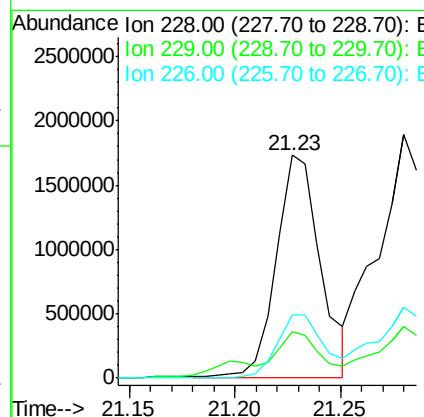
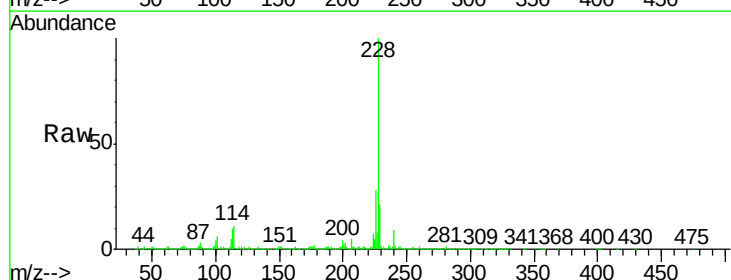
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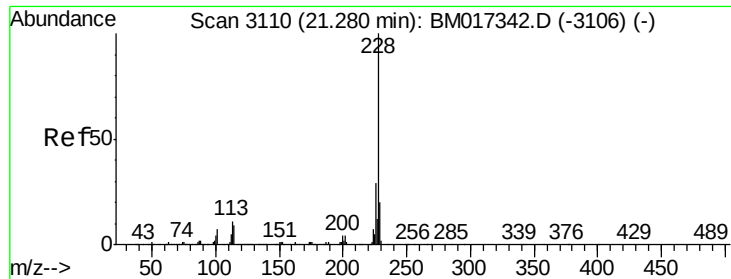
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#83
 Benzo(a)anthracene
 Concen: 18.568 ng/ul
 RT: 21.23 min Scan# 3101
 Delta R.T. -0.01 min
 Lab File: BM017347.D
 Acq: 25 Oct 2018 17:00

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.6	23.4
226	28.1	20.8	31.2





#85

Chrysene

Concen: 23.038 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampled :

C0AE0DL

Tgt Ion:228 Resp: 2945580

Ion Ratio Lower Upper

228 100

226 29.3 23.3 34.9

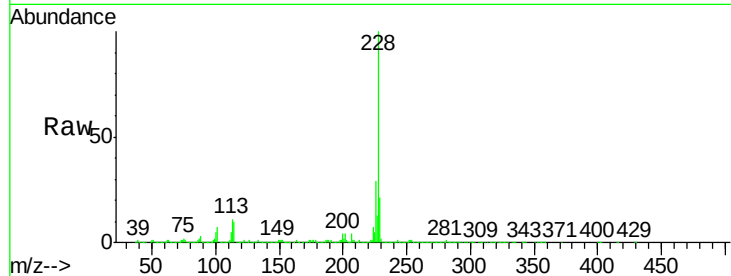
229 21.1 15.6 23.4

Manual Integrations

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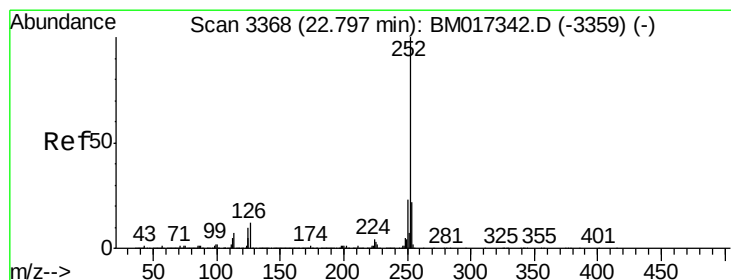
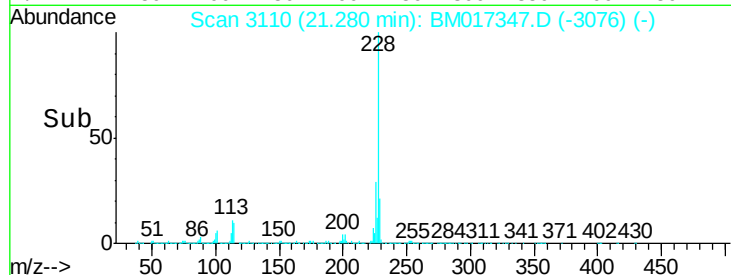
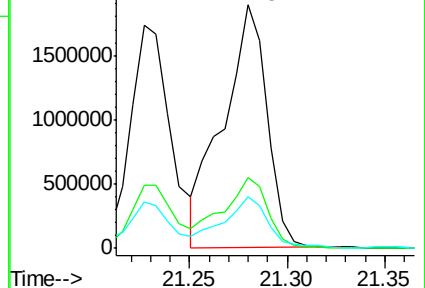
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 46.761 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

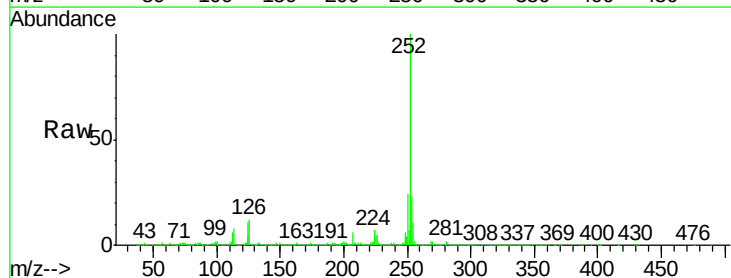
Tgt Ion:252 Resp: 5941159

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

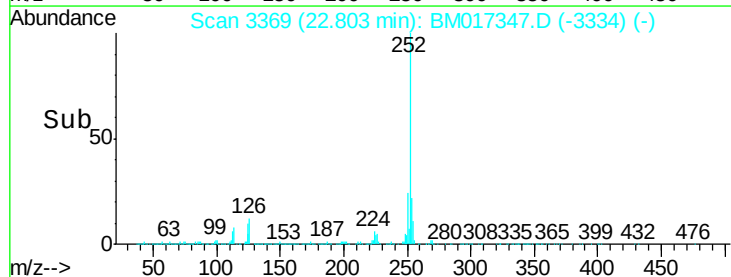
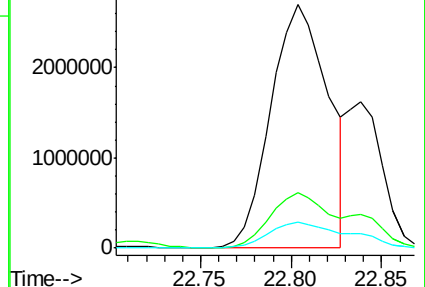
125 10.5 7.2 10.8

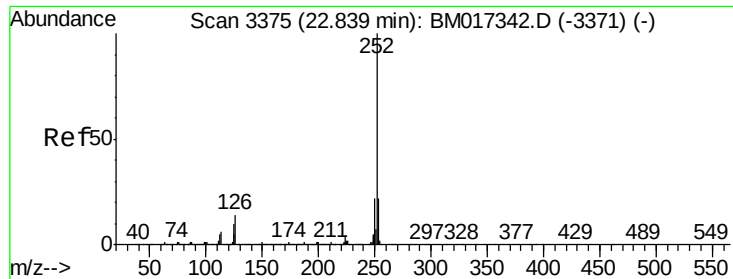


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 17.393 ng/ul m

RT: 22.84 min Scan# 3375

Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

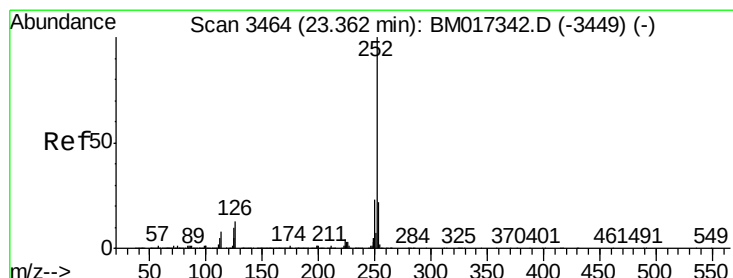
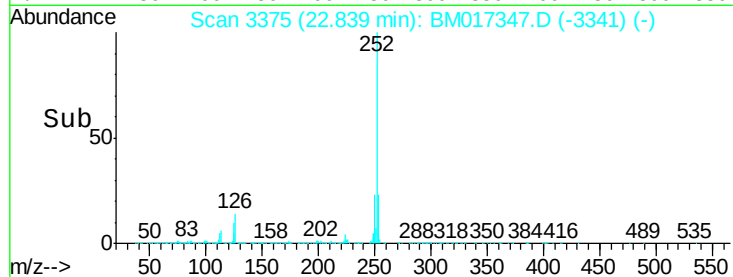
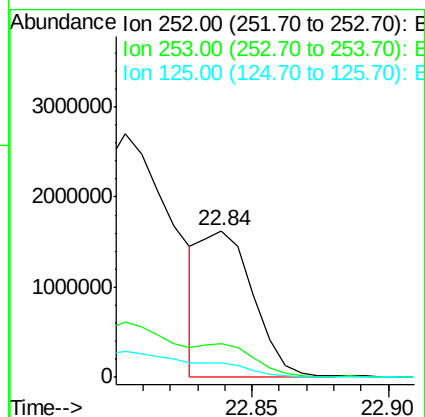
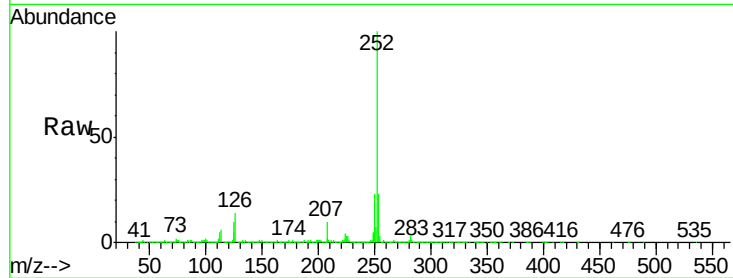
ClientSampled :

C0AE0DL

Tgt Ion:	252	Resp:	2158613
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.7	26.5
125	10.2	7.8	11.6

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#91

Benzo(a)pyrene

Concen: 17.464 ng/ul

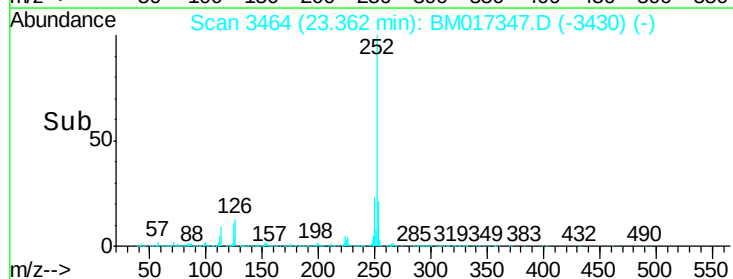
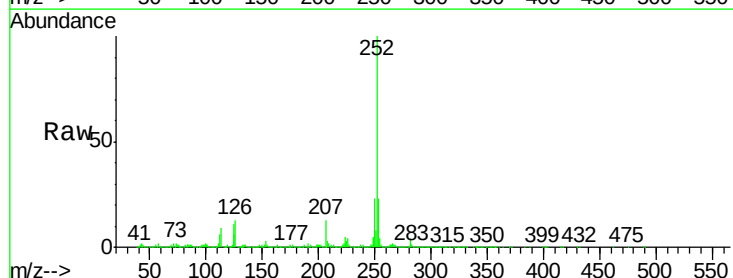
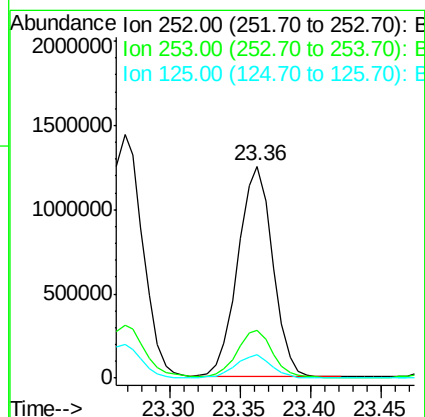
RT: 23.36 min Scan# 3464

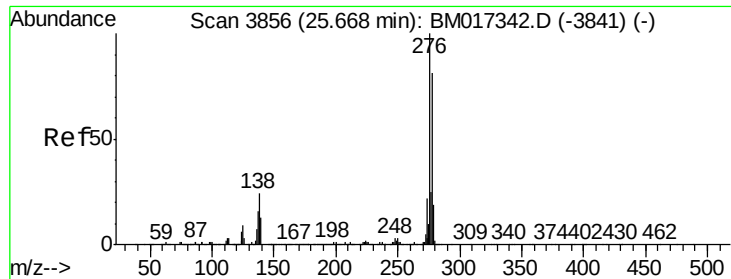
Delta R.T. 0.00 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Tgt Ion:	252	Resp:	2167736
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.6	26.4
125	11.0	8.3	12.5





#92

Indeno(1,2,3-cd)pyrene

Concen: 11.247 ng/ul

RT: 25.66 min Scan# 3856

Delta R.T. -0.01 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

C0AE0DL

Tgt Ion:276 Resp: 1698643

Ion Ratio Lower Upper

276 100

138 19.7 18.1 27.1

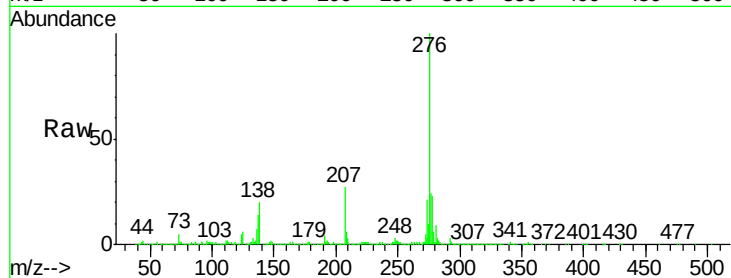
277 24.5 19.6 29.4

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

800000

600000

400000

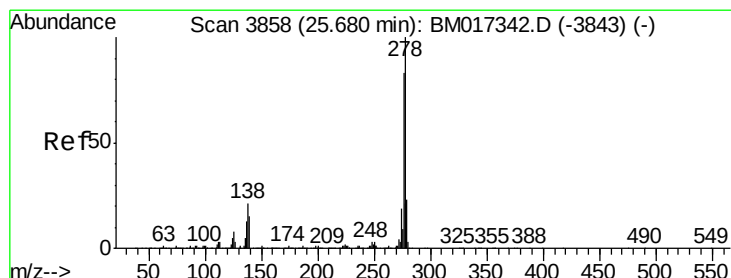
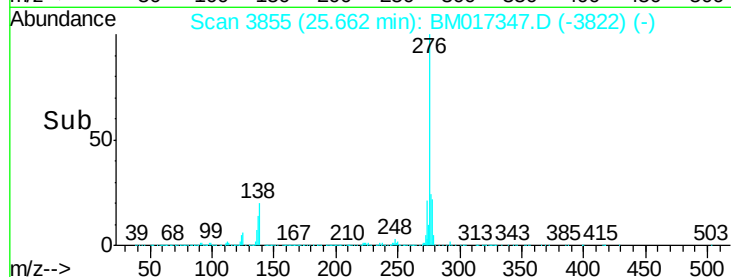
200000

0

25.66

25.67

Time-->



#93

Dibenzo(a,h)anthracene

Concen: 3.594 ng/ul

RT: 25.67 min Scan# 3856

Delta R.T. -0.01 min

Lab File: BM017347.D

Acq: 25 Oct 2018 17:00

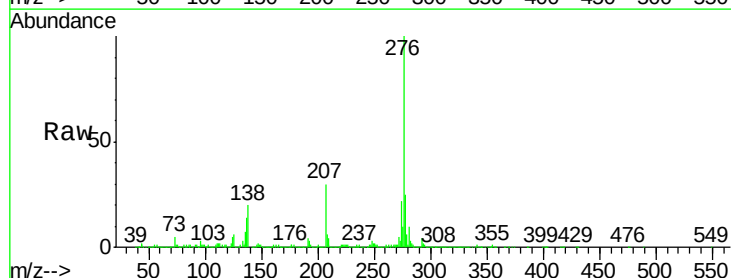
Tgt Ion:278 Resp: 453235

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

279 23.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

200000

150000

100000

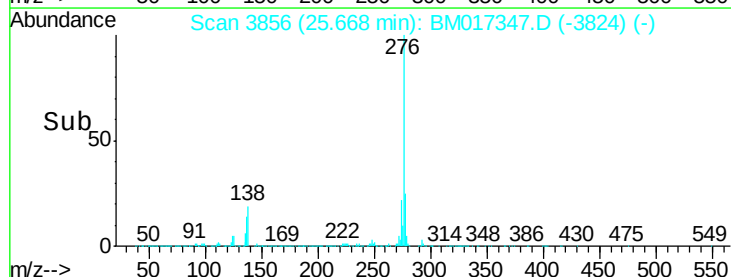
50000

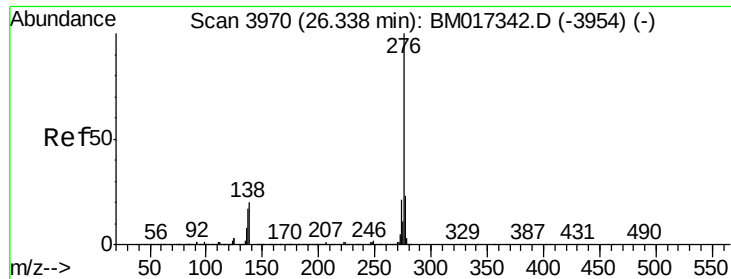
0

25.67

25.68

Time-->





#94

Benzo(g,h,i)perylene

Concen: 9.194 ng/ul

RT: 26.34 min Scan# 3970

Delta R.T. 0.00 min

Lab File: BM017347.D

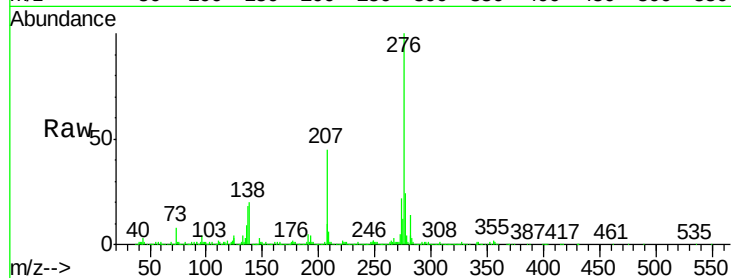
Acq: 25 Oct 2018 17:00

Instrument :

BNA_M

ClientSampleId :

C0AE0DL



Tgt Ion: 276 Resp: 1179655

Ion Ratio Lower Upper

276 100

138 20.4 16.6 25.0

277 24.1 18.9 28.3

Manual Integrations

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