

Data File : BM017897.D
Acq On : 04 Dec 2018 05:08
Operator : JU/SJ
Sample : J6045-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB4T9

Quant Time: Dec 04 06:17:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 04 00:18:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	199020	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	866556	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	514006	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1131812	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	1153996	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	1002620	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	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	0.00	67	0	0.00	ng/ul	
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	10.36	131	123	0.01	ng/ul	-0.14
43) Dimethylphthalate-d6	0.00	166	0	0.00	ng/ul	
46) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.22	176	2625	0.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	16.98	188	1132647	20.10	ng/ul	-0.11
78) Pyrene-d10	19.39	212	150	0.00	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	1638	0.03	ng/ul	0.06

Target Compounds

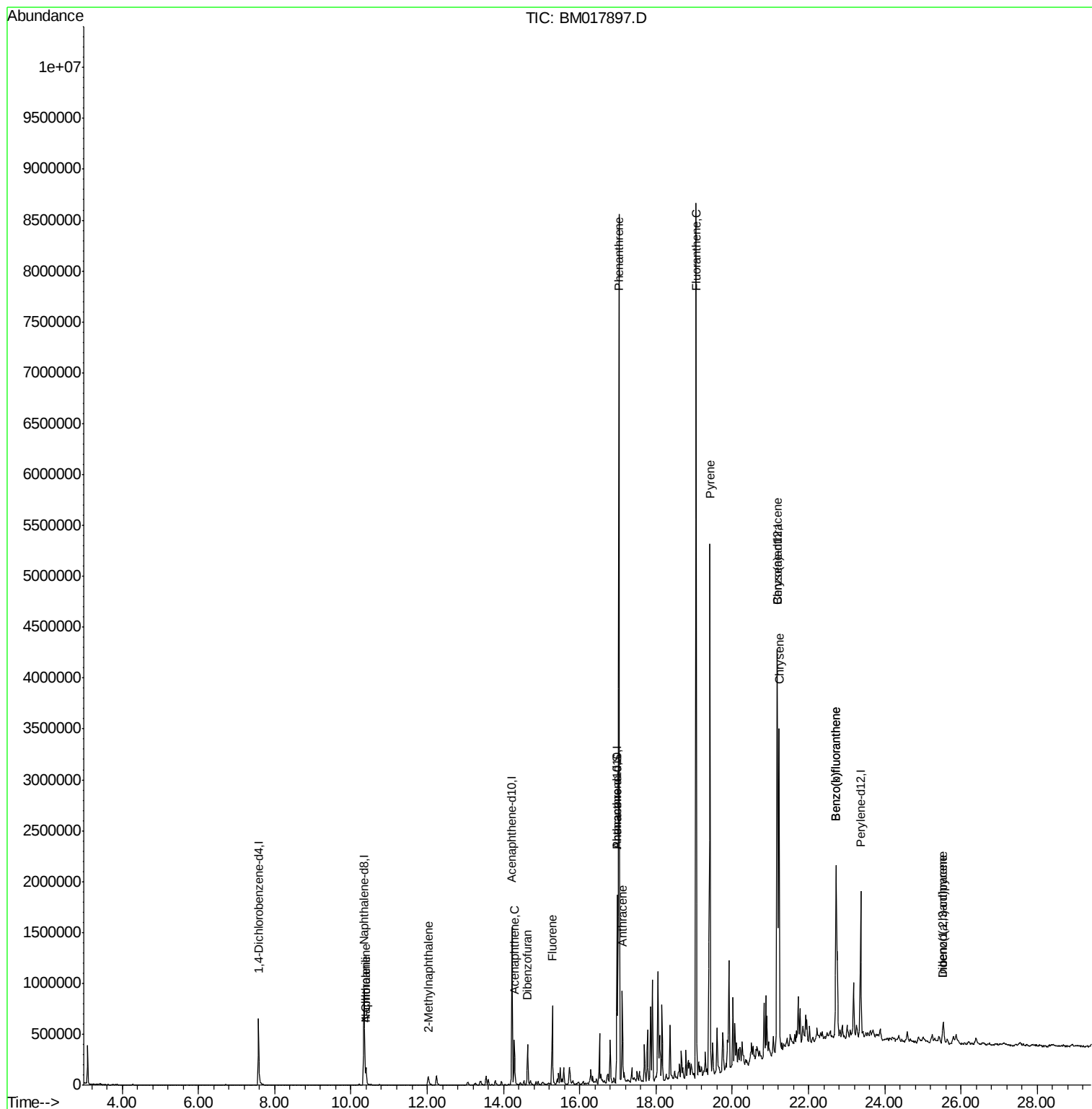
					Qvalue	
28) Naphthalene	10.39	128	135385	2.999	ng/ul	99
30) 4-Chloroaniline	10.39	127	17496	1.376	ng/ul#	1
34) 2-Methylnaphthalene	12.02	142	63607	1.887	ng/ul	96
49) Acenaphthene	14.29	153	180956	4.981	ng/ul	97
53) Dibenzofuran	14.63	168	263886	5.133	ng/ul	95
58) Fluorene	15.28	166	347198	8.099	ng/ul	97
69) Phenanthrene	17.03	178	4869747	75.239	ng/ul	99
71) Anthracene	17.12	178	541595	8.182	ng/ul	99
76) Fluoranthene	19.06	202	5187431	68.139	ng/ul	99
79) Pyrene	19.42	202	3262831	46.577	ng/ul	98
82) Benzo(a)anthracene	21.17	228	1738154	24.284	ng/ul	99
84) Chrysene	21.23	228	1822478	27.225	ng/ul	99
87) Benzo(b)fluoranthene	22.72	252	1416442	22.728	ng/ul	98
88) Benzo(k)fluoranthene	22.72	252	1416442	23.385	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.53	276	148498	2.371	ng/ul	99
92) Dibenzo(a,h)anthracene	25.54	278	98481	1.863	ng/ul#	96

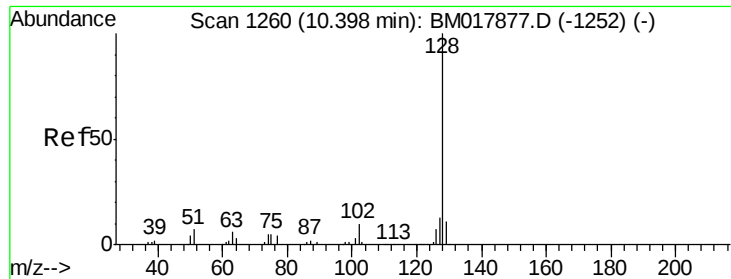
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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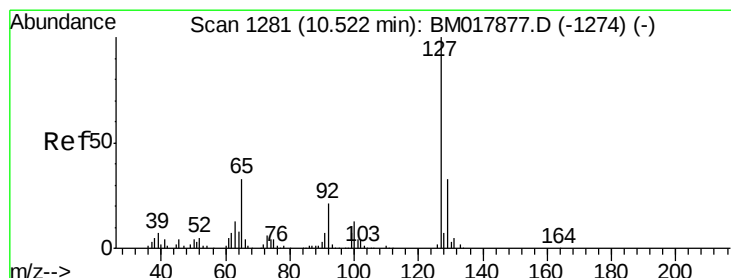
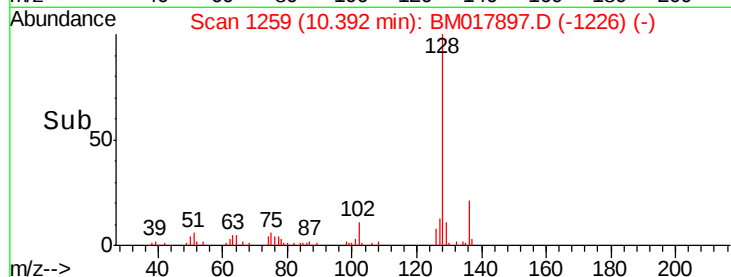
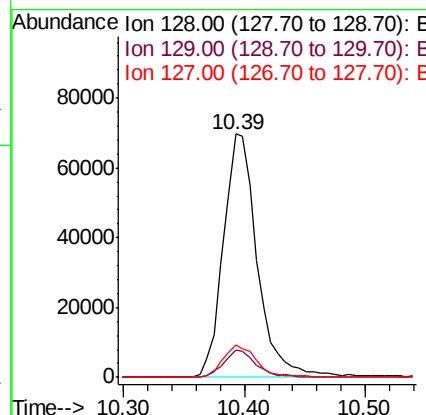
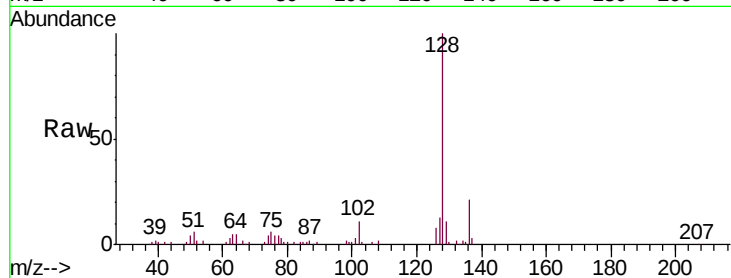




#28
Naphthalene
Concen: 2.999 ng/ul
RT: 10.39 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BM017897.D
Acq: 04 Dec 2018 05:08

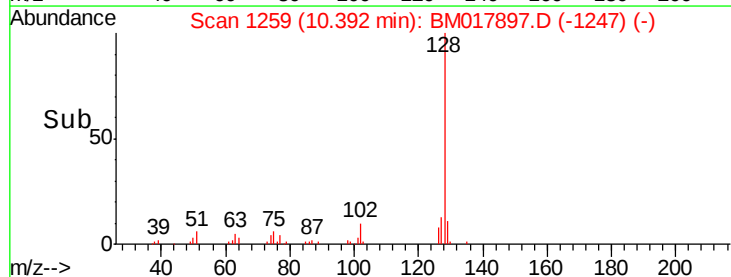
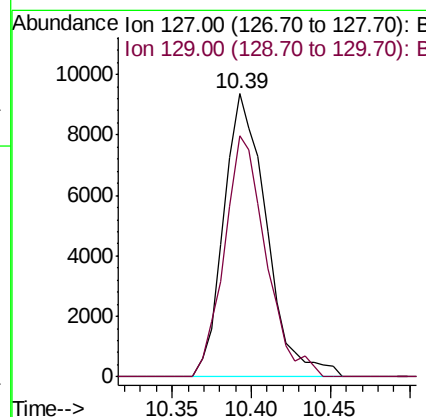
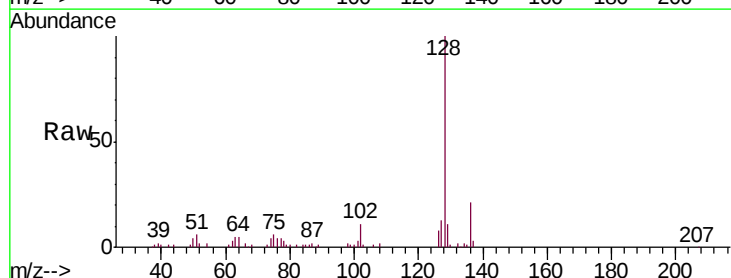
Instrument :
BNA_M
ClientSampleId :
CB4T9

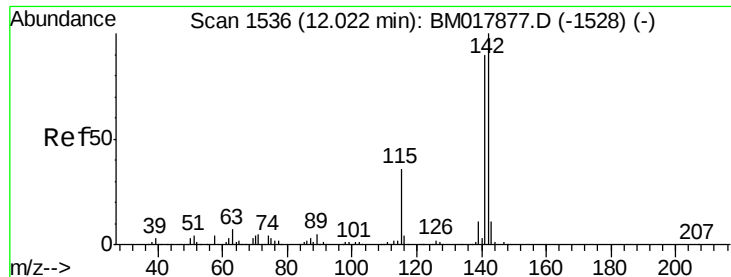
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	13.4	10.8	16.2



#30
4-Chloroaniline
Concen: 1.376 ng/ul
RT: 10.39 min Scan# 1259
Delta R.T. -0.13 min
Lab File: BM017897.D
Acq: 04 Dec 2018 05:08

Tgt Ion	Ratio	Lower	Upper
127	100		
129	85.4	24.6	37.0#

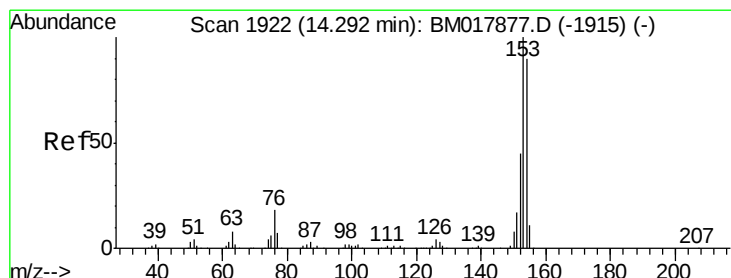
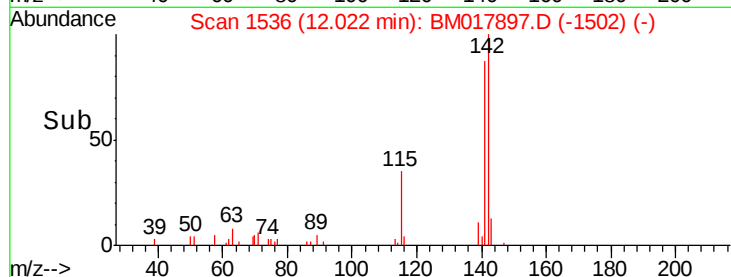
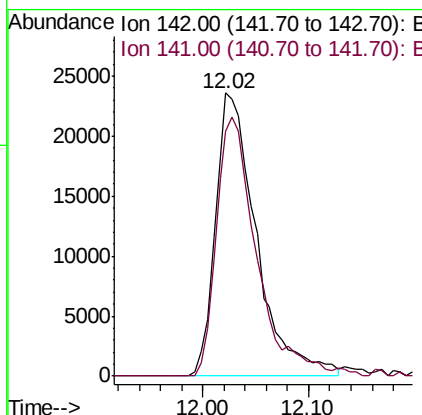
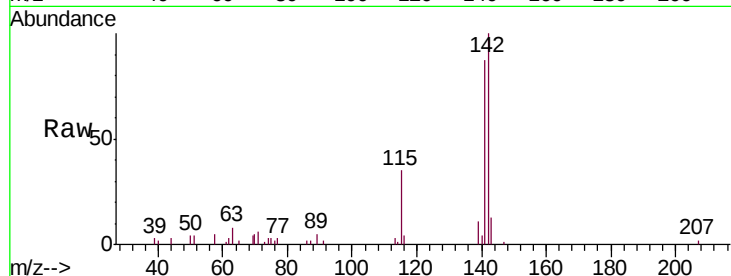




#34
2-Methylnaphthalene
Concen: 1.887 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM017897.D
Acq: 04 Dec 2018 05:08

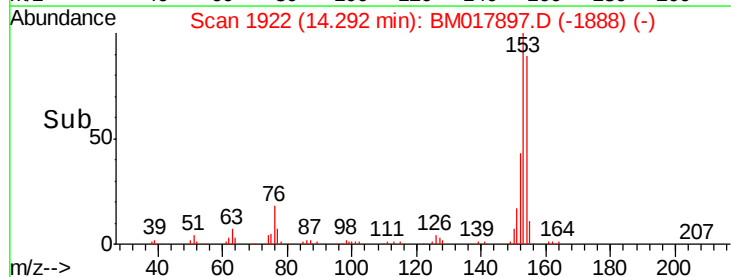
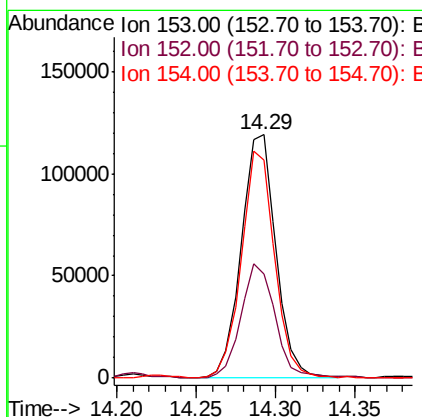
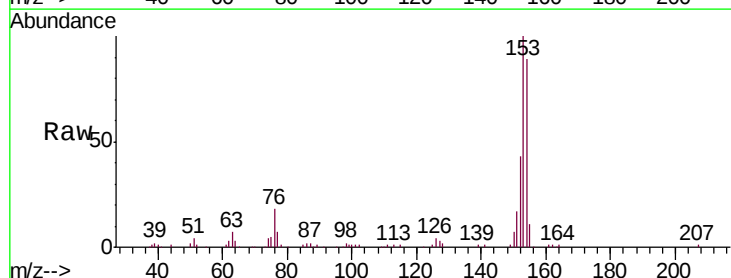
Instrument :
BNA_M
ClientSampled :
CB4T9

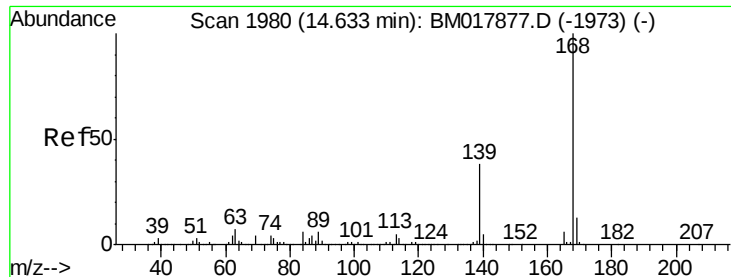
Tgt Ion:142 Resp: 63607
Ion Ratio Lower Upper
142 100
141 86.6 72.6 108.8



#49
Acenaphthene
Concen: 4.981 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. 0.00 min
Lab File: BM017897.D
Acq: 04 Dec 2018 05:08

Tgt Ion:153 Resp: 180956
Ion Ratio Lower Upper
153 100
152 42.7 37.0 55.6
154 89.3 70.6 106.0





#53

Dibenzenofuran

Concen: 5.133 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BM017897.D

Acq: 04 Dec 2018 05:08

Instrument :

BNA_M

ClientSampleId :

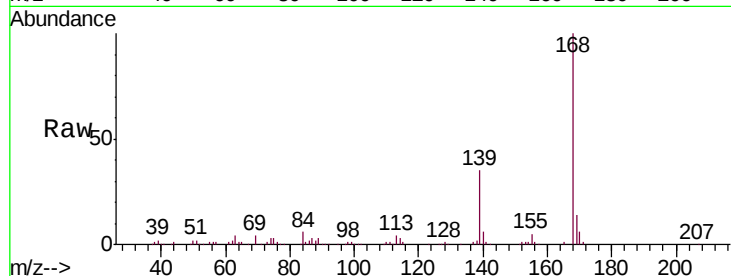
CB4T9

Tgt Ion:168 Resp: 263886

Ion Ratio Lower Upper

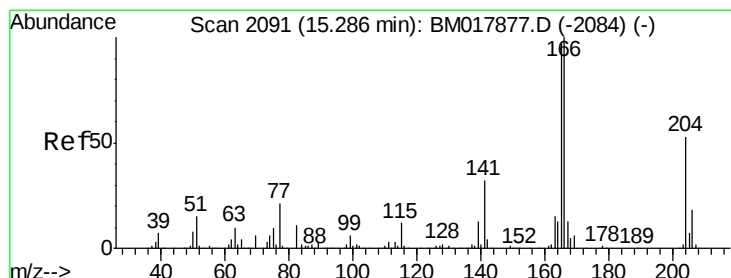
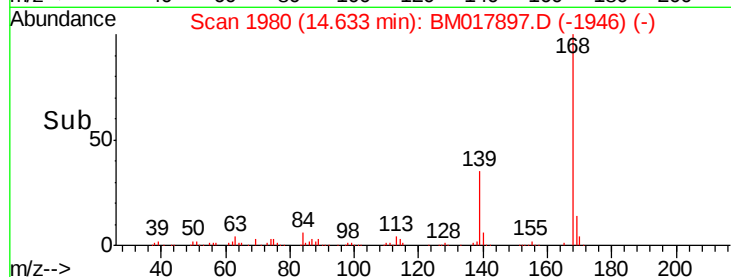
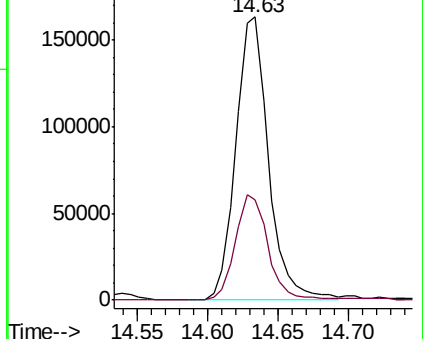
168 100

139 35.4 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 8.099 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BM017897.D

Acq: 04 Dec 2018 05:08

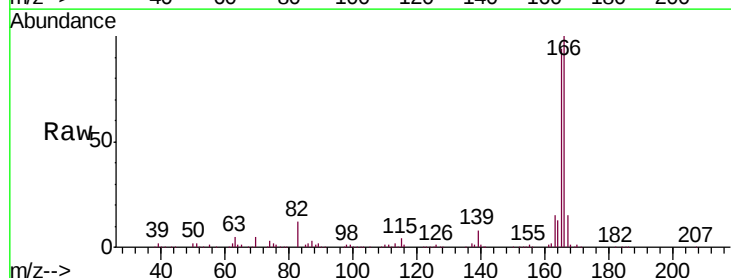
Tgt Ion:166 Resp: 347198

Ion Ratio Lower Upper

166 100

165 94.3 78.0 117.0

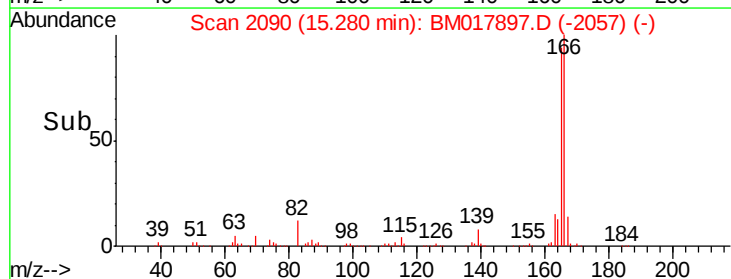
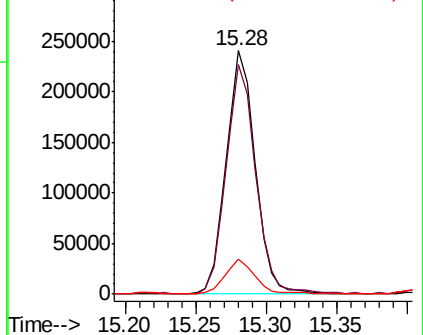
167 14.5 10.8 16.2

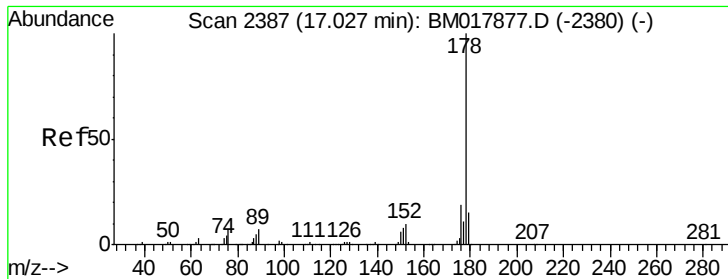


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 75.239 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BM017897.D

Acq: 04 Dec 2018 05:08

Instrument :

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ClientSampleId :

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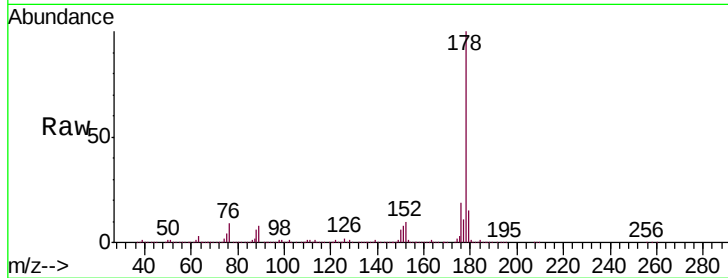
Tgt Ion:178 Resp: 4869747

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

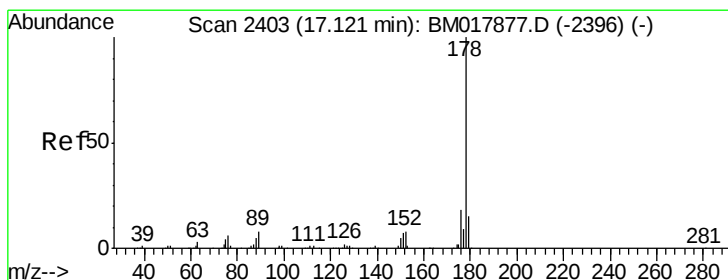
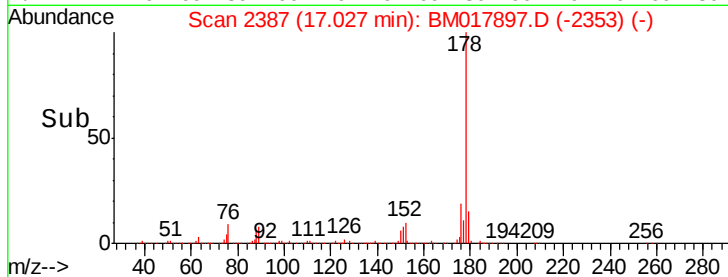
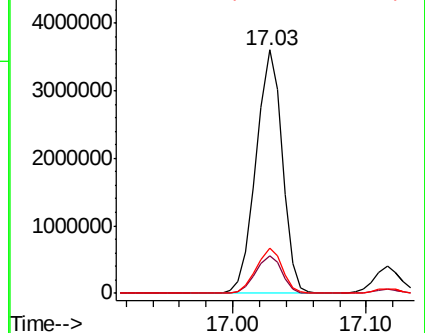
176 18.6 15.0 22.6



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: 8.182 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BM017897.D

Acq: 04 Dec 2018 05:08

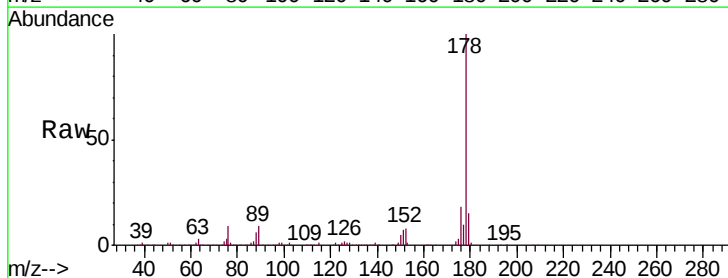
Tgt Ion:178 Resp: 541595

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

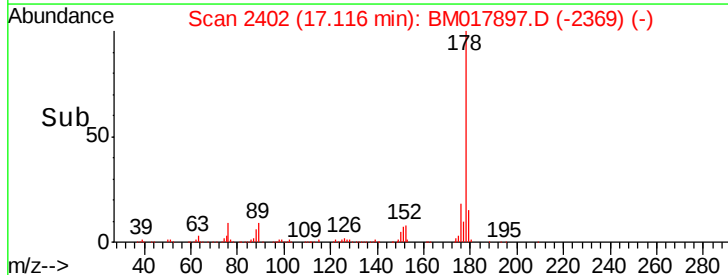
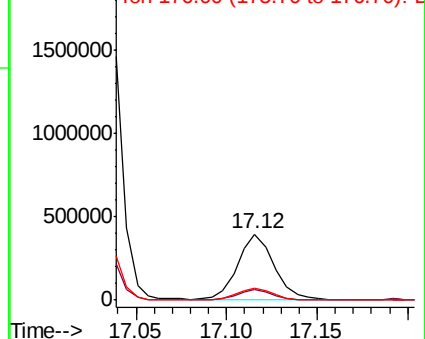
176 17.9 14.8 22.2

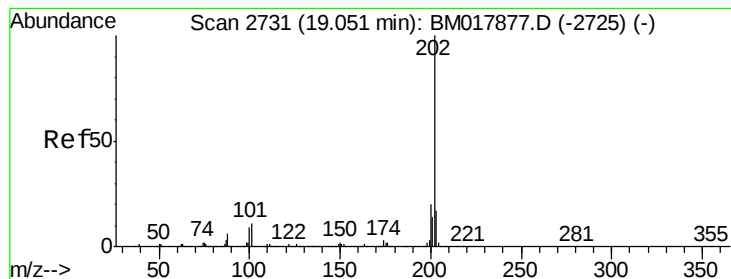


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 68.139 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.01 min

Lab File: BM017897.D

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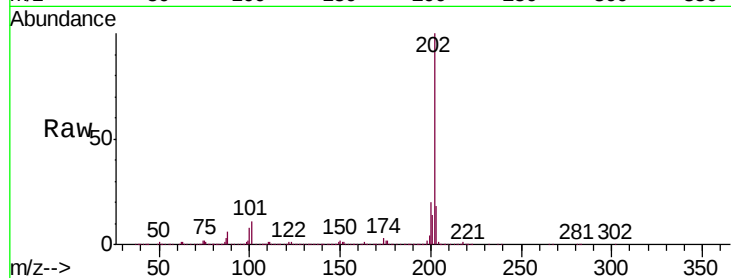
Tgt Ion:202 Resp: 5187431

Ion Ratio Lower Upper

202 100

101 11.0 8.4 12.6

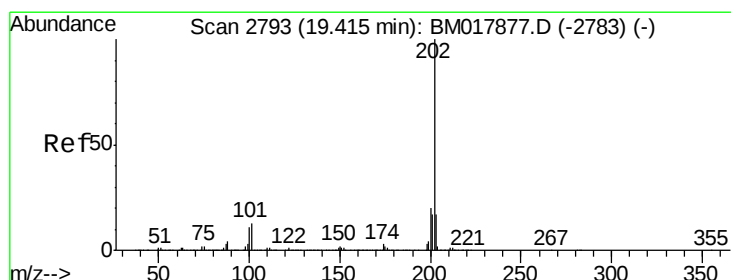
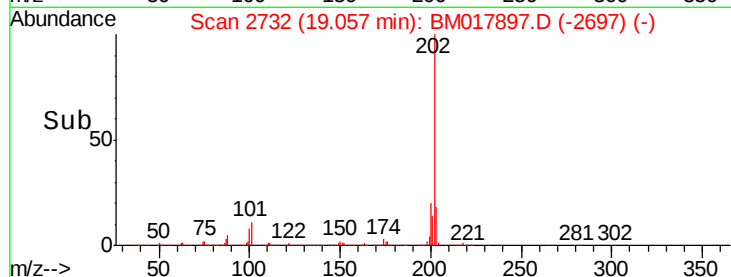
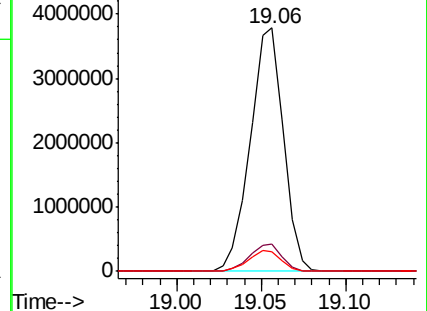
100 8.3 6.6 9.8



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



#79

Pyrene

Concen: 46.577 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. 0.00 min

Lab File: BM017897.D

Acq: 04 Dec 2018 05:08

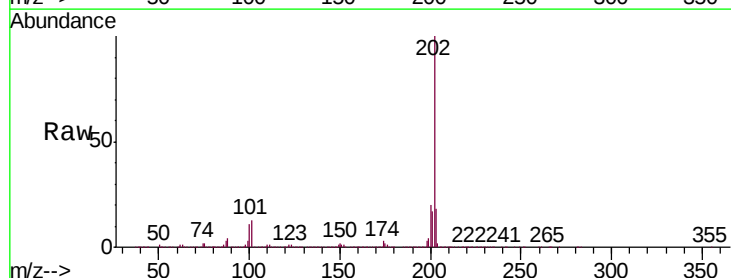
Tgt Ion:202 Resp: 3262831

Ion Ratio Lower Upper

202 100

101 12.7 9.6 14.4

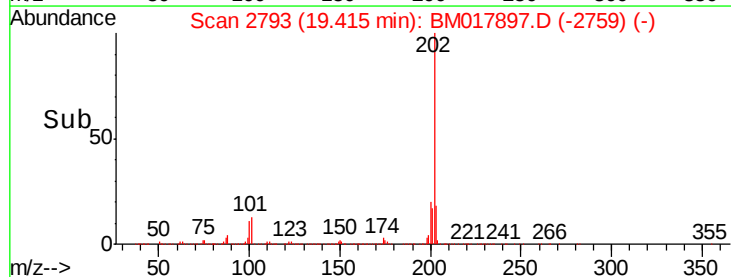
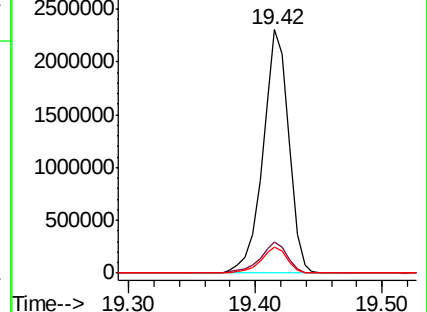
100 10.9 7.9 11.9

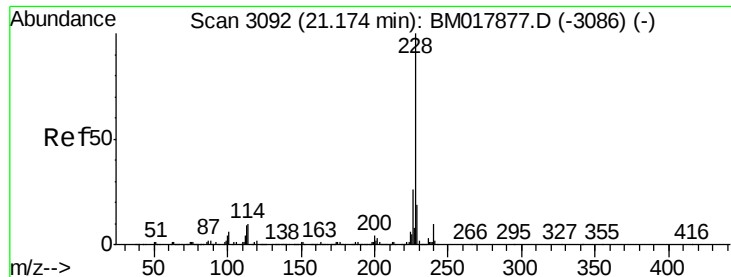


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 24.284 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

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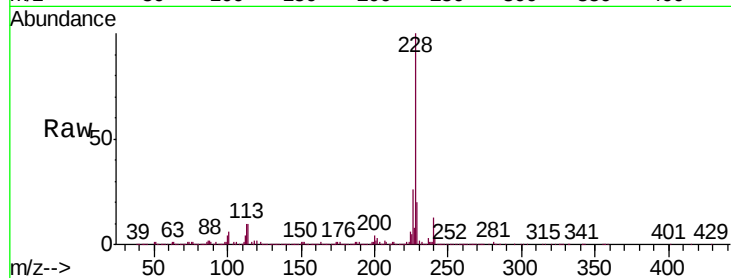
Tgt Ion:228 Resp: 1738154

Ion Ratio Lower Upper

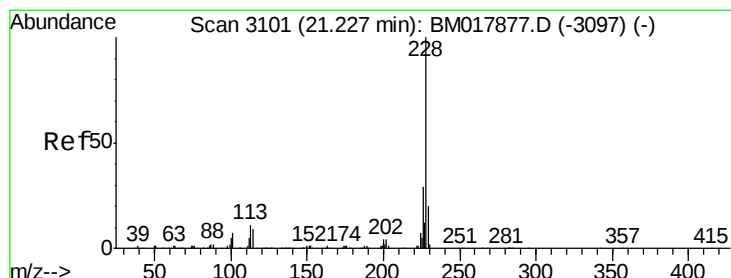
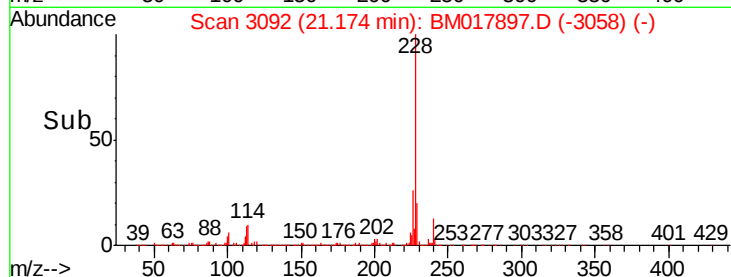
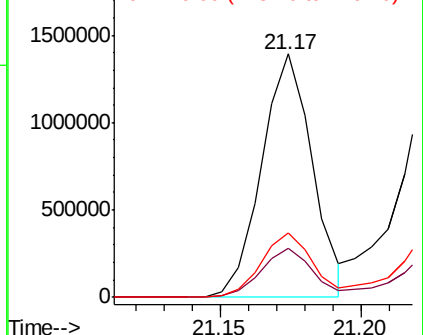
228 100

229 20.4 16.0 24.0

226 26.4 21.0 31.6



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: 27.225 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BM017897.D

Acq: 04 Dec 2018 05:08

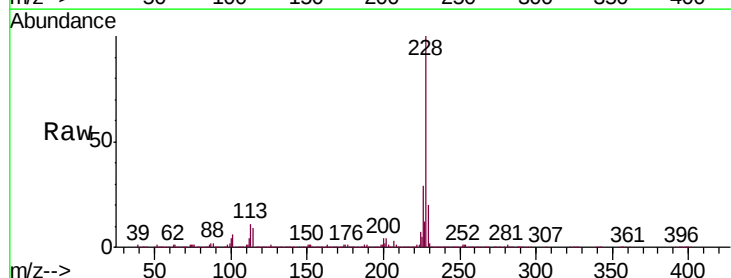
Tgt Ion:228 Resp: 1822478

Ion Ratio Lower Upper

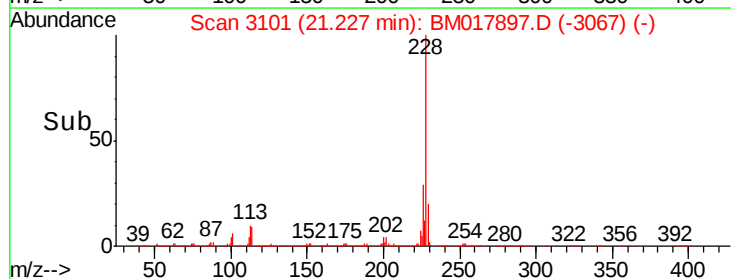
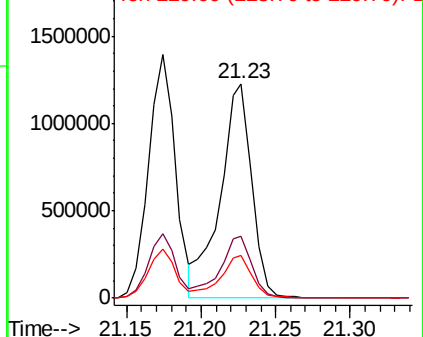
228 100

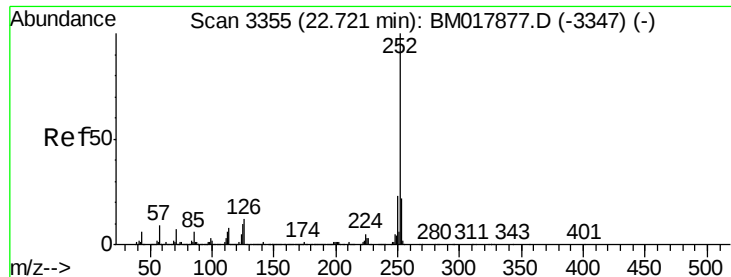
226 29.0 23.7 35.5

229 20.0 15.8 23.8



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





#87

Benzo(b)fluoranthene

Concen: 22.728 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.00 min

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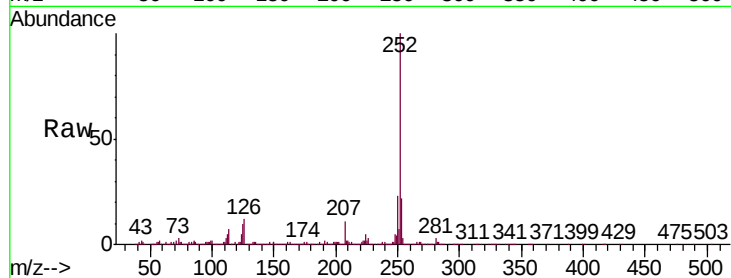
Tgt Ion:252 Resp: 1416442

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

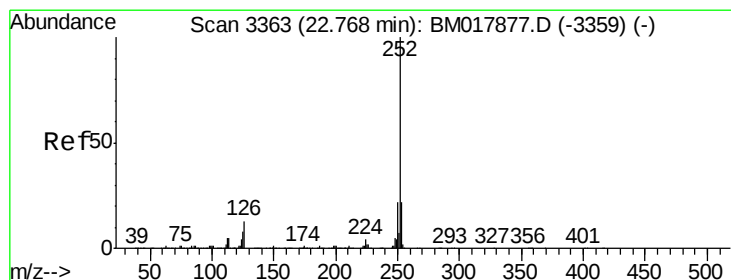
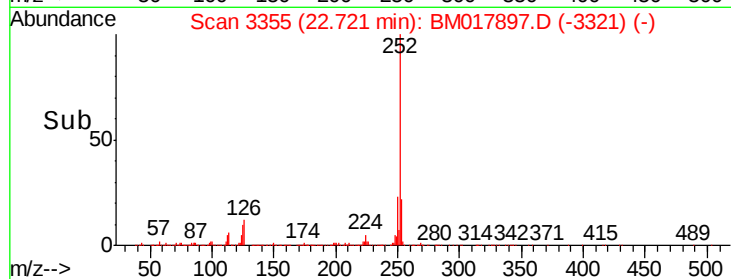
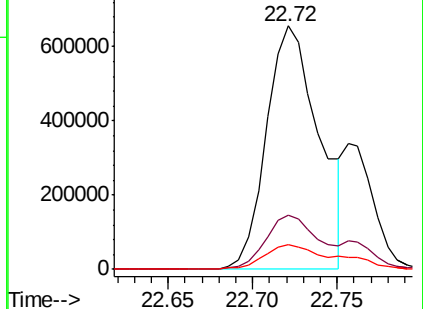
125 10.0 7.3 10.9



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



#88

Benzo(k)fluoranthene

Concen: 23.385 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. -0.05 min

Lab File: BM017897.D

Acq: 04 Dec 2018 05:08

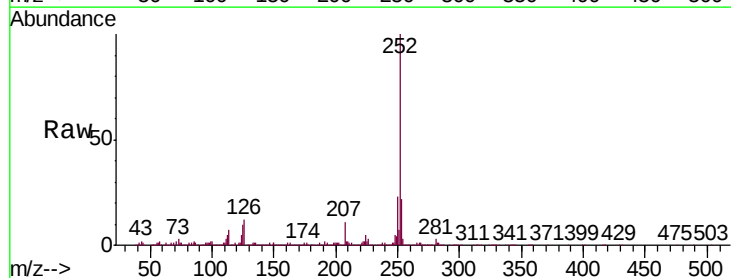
Tgt Ion:252 Resp: 1416442

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

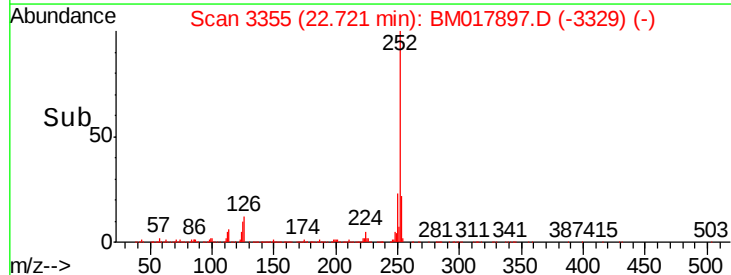
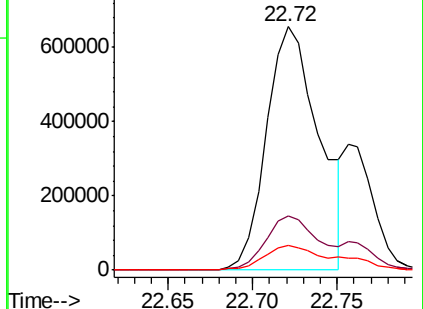
125 10.0 7.1 10.7

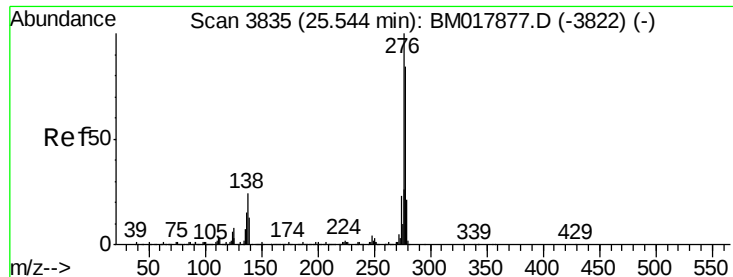


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



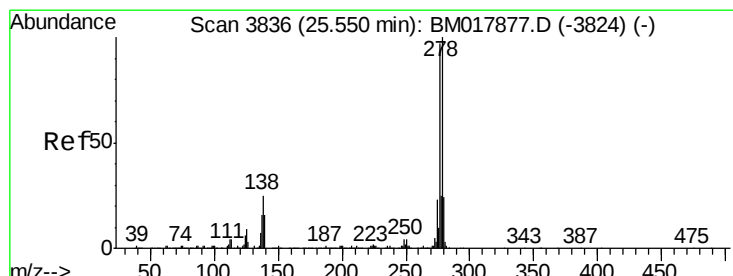
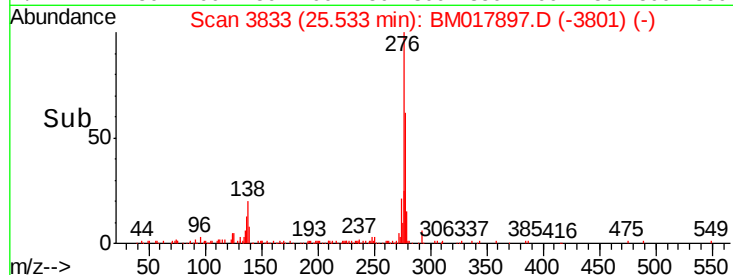
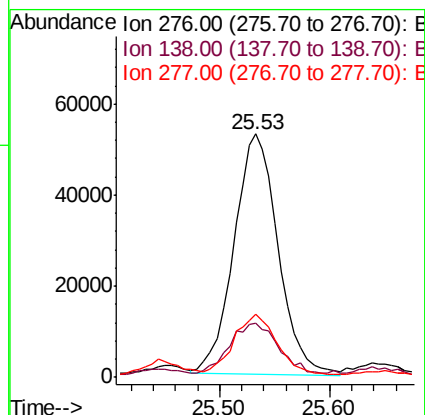
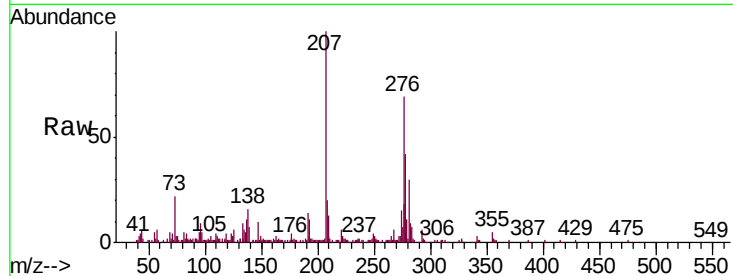


#91

Indeno(1,2,3-cd)pyrene
Concen: 2.371 ng/ul
RT: 25.53 min Scan# 3833
Delta R.T. -0.01 min
Lab File: BM017897.D
Acq: 04 Dec 2018 05:08

Instrument :
BNA_M
ClientSampleId :
CB4T9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.2	27.2
277	25.9	20.2	30.4



#92

Dibenzo(a,h)anthracene
Concen: 1.863 ng/ul
RT: 25.54 min Scan# 3834
Delta R.T. -0.01 min
Lab File: BM017897.D
Acq: 04 Dec 2018 05:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	11.5	17.3#
279	24.0	18.9	28.3

