

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
 Data File : BM017795.D
 Acq On : 29 Nov 2018 11:55
 Operator : JU/SJ
 Sample : J5945-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETOA6

Quant Time: Nov 29 13:31:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 29 13:13:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	203536	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	902448	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	528971	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1229592	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	1232541	20.00	ng/ul	0.00
85) Perylene-d12	23.38	264	1057693	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.19	96	15636	3.52	ng/uL	0.00
5) Phenol-d5	6.78	99	351468	18.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	232413	20.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	285785	19.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	300662	19.80	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	154750	22.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	175286	22.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	324591	21.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	290911	22.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1025845	22.35	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1295618	23.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	125554	15.05	ng/ul	0.00
57) Fluorene-d10	15.23	176	943386	23.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	112270	12.77	ng/ul	0.00
70) Anthracene-d10	17.09	188	1515262	24.75	ng/ul	0.00
78) Pyrene-d10	19.39	212	1949253	32.68	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.24	264	1692516	29.50	ng/ul	0.00

Target Compounds

				Ovalue	
4) Benzaldehyde	6.75	77	6168	1.779 ng/ul#	17
17) Hexachloroethane	8.68	117	6401	1.086 ng/ul#	8
28) Naphthalene	10.40	128	82089	1.746 ng/ul	99
34) 2-Methylnaphthalene	12.03	142	44774	1.276 ng/ul	94
44) Dimethylphthalate	13.70	163	159524	3.587 ng/ul	99
49) Acenaphthene	14.30	153	83630	2.237 ng/ul	99
53) Dibenzofuran	14.64	168	125222	2.367 ng/ul	94
58) Fluorene	15.29	166	168289	3.814 ng/ul	99
69) Phenanthrene	17.03	178	1872776	26.634 ng/ul	100
71) Anthracene	17.12	178	547944	7.620 ng/ul	98
74) Carbazole	17.40	167	240422	3.794 ng/ul	99
76) Fluoranthene	19.06	202	2410713	29.148 ng/ul	100
79) Pyrene	19.42	202	1822288	24.355 ng/ul	98
82) Benzo(a)anthracene	21.18	228	944089	12.349 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.12	149	105635	2.230 ng/ul	97
84) Chrysene	21.23	228	779051	10.896 ng/ul	97
87) Benzo(b)fluoranthene	22.73	252	827340	12.584 ng/ul#	94
88) Benzo(k)fluoranthene	22.73	252	827340	12.948 ng/ul#	95
90) Benzo(a)pyrene	23.28	252	578572	9.280 ng/ul#	95
91) Indeno(1,2,3-cd)pyrene	25.54	276	315731	4.779 ng/ul#	94
92) Dibenz(a,h)anthracene	25.55	278	85130	1.526 ng/ul#	86
93) Benzo(a,h,i)perylene	26.21	276	241679	4.527 ng/ul	96

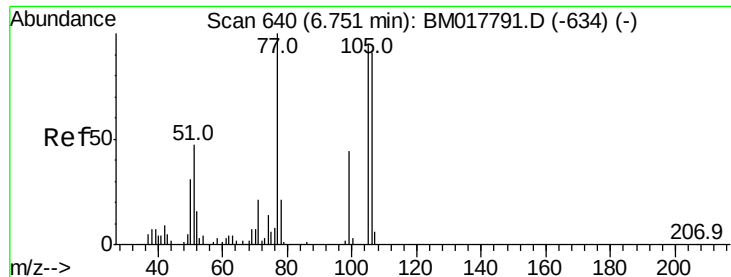
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOA6

Quant Time: Nov 29 13:31:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 29 13:13:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#4

Benzaldehyde

Concen: 1.779 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Instrument :

BNA_M

ClientSampleId :

ETOA6

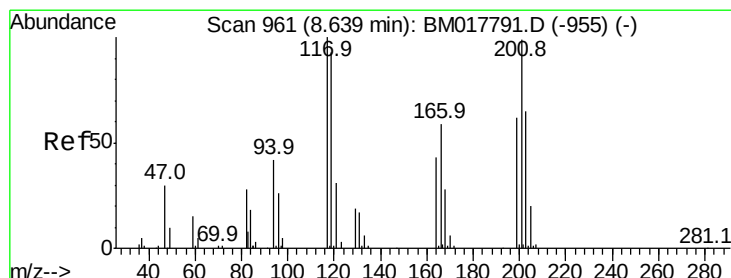
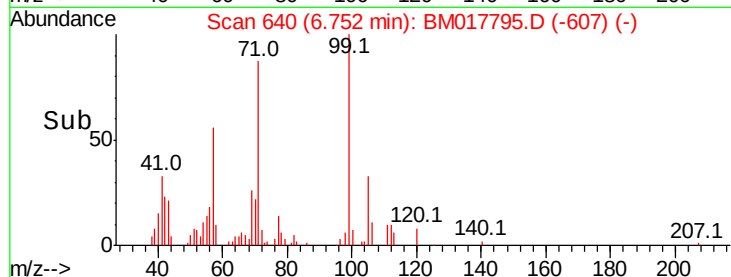
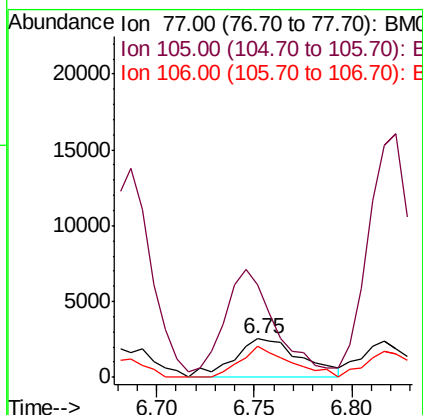
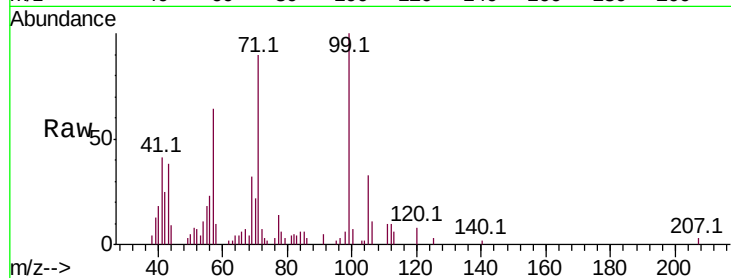
Tot Ion: 77 Resp: 6168

Ion Ratio Lower Upper

77 100

105 243.2 74.4 111.6#

106 82.3 67.4 101.2



#17

Hexachloroethane

Concen: 1.086 ng/ul

RT: 8.68 min Scan# 967

Delta R.T. 0.03 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

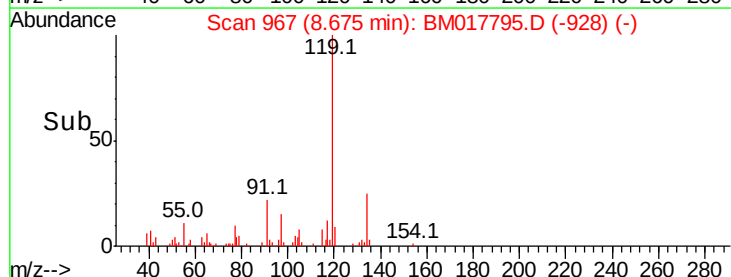
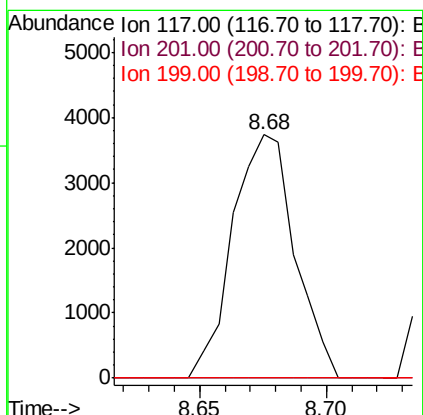
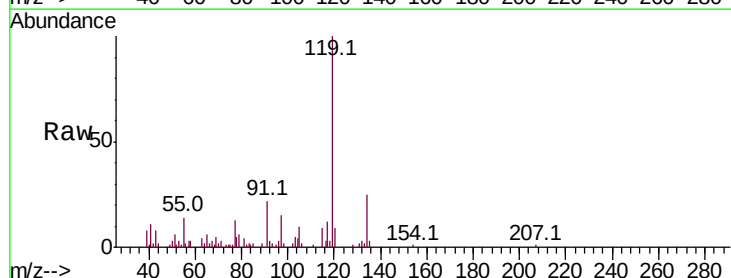
Tgt Ion: 117 Resp: 6401

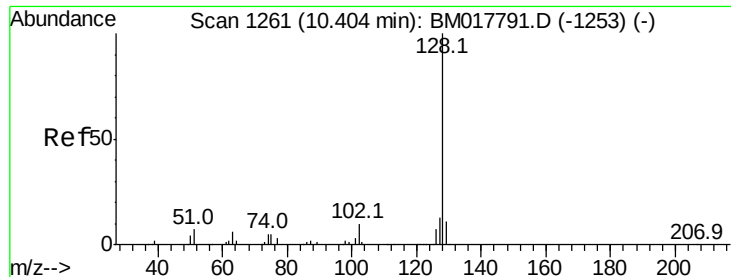
Ion Ratio Lower Upper

117 100

201 0.0 78.2 117.2#

199 0.0 49.5 74.3#

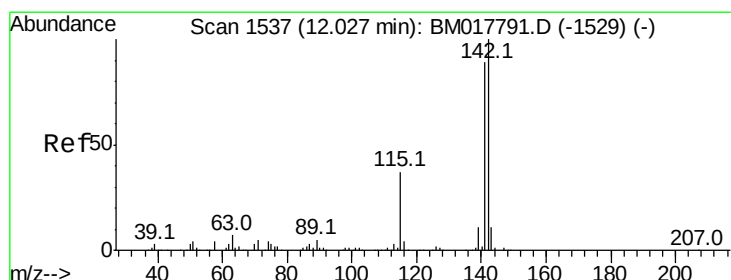
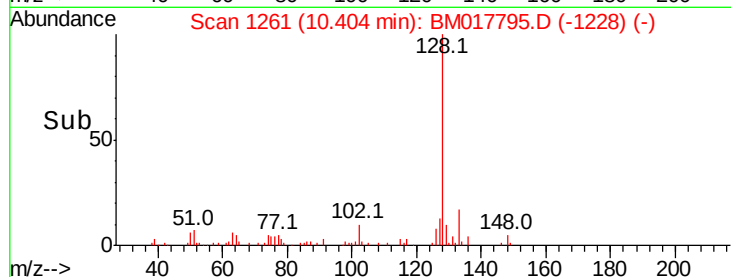
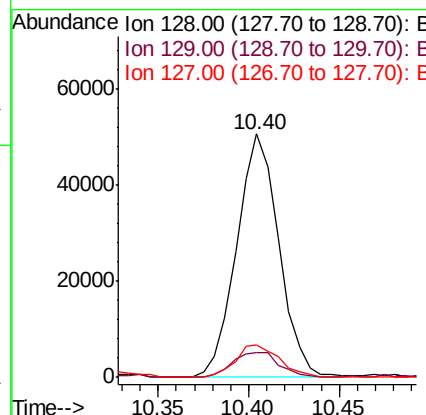
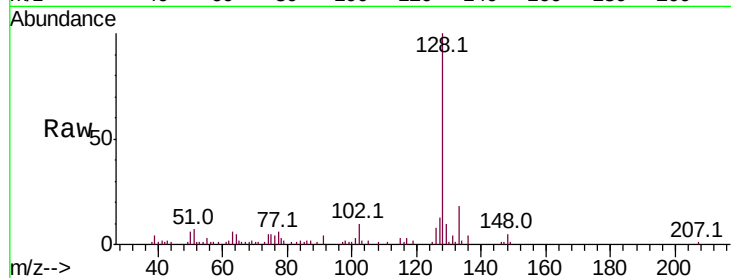




#28
Naphthalene
Concen: 1.746 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

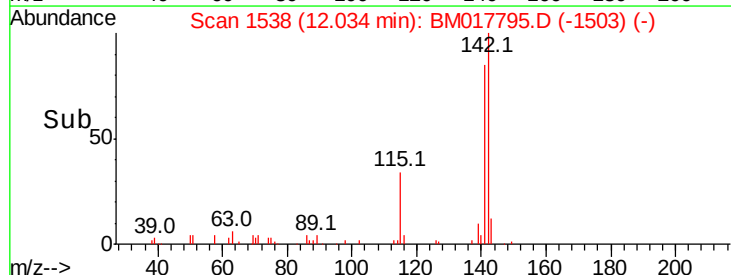
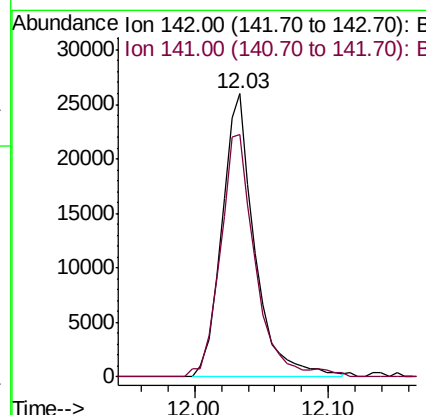
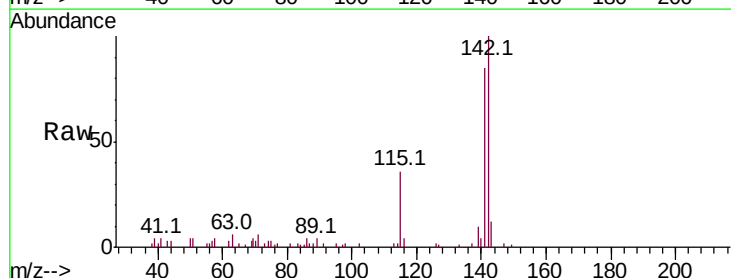
Instrument :
BNA_M
ClientSampleId :
ETOA6

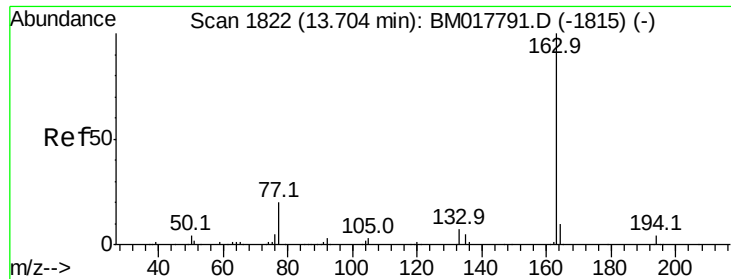
Tot Ion:128 Resp: 82089
Ion Ratio Lower Upper
128 100
129 10.1 8.6 12.8
127 13.5 10.8 16.2



#34
2-Methylnaphthalene
Concen: 1.276 ng/ul
RT: 12.03 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Tgt Ion:142 Resp: 44774
Ion Ratio Lower Upper
142 100
141 85.5 72.6 108.8

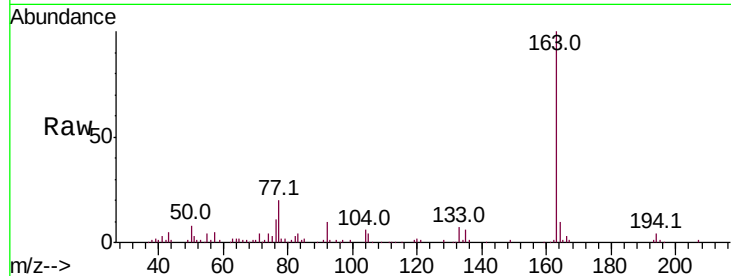




#44
Dimethylphthalate
Concen: 3.587 ng/ul
RT: 13.70 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Instrument :
BNA_M
ClientSampled :
ETOA6

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.7	8.1	12.1

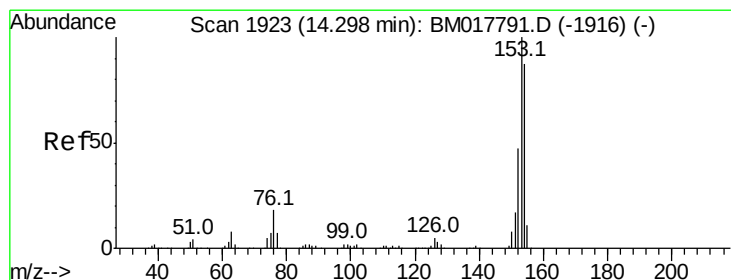
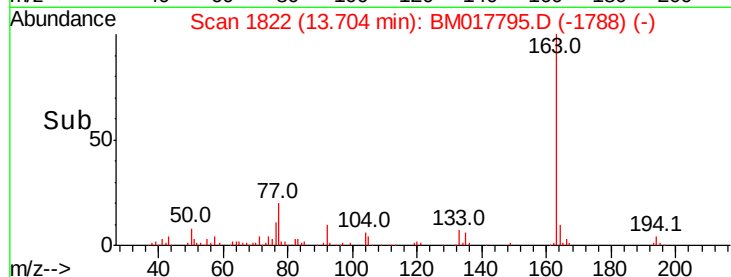
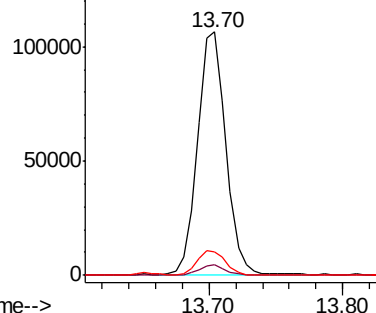


Abundance

Ion 163.00 (162.70 to 163.70): E

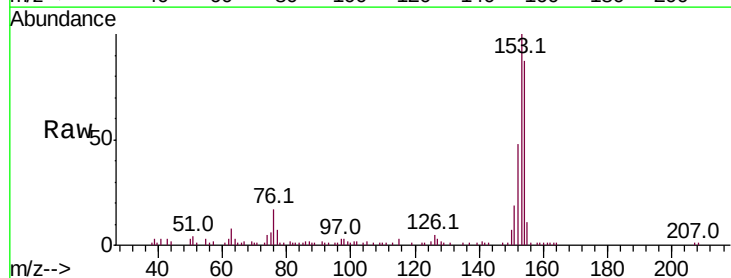
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49
Acenaphthene
Concen: 2.237 ng/ul
RT: 14.30 min Scan# 1923
Delta R.T. 0.00 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.9	37.0	55.6
154	87.4	70.6	106.0

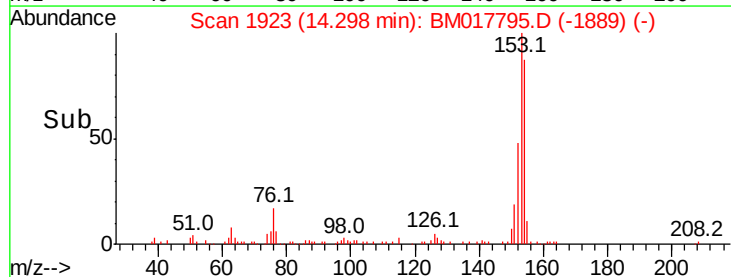
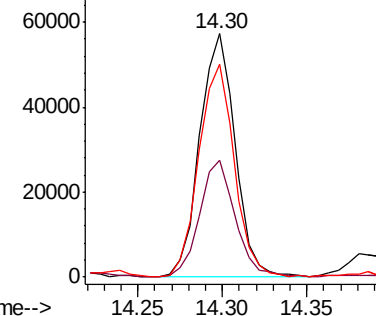


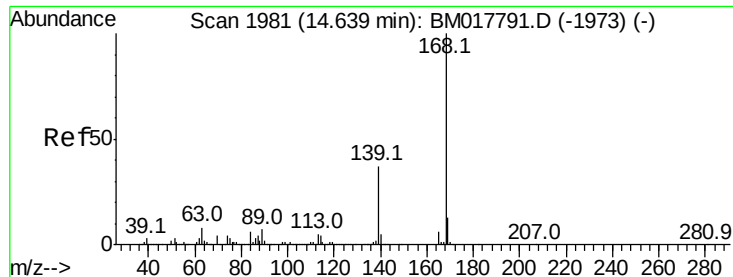
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 2.367 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Instrument :

BNA_M

ClientSampleId :

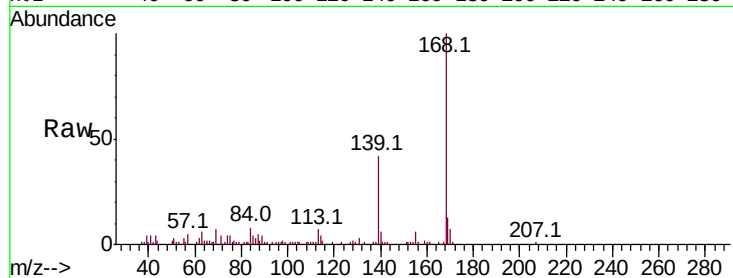
ETOA6

Tot Ion:168 Resp: 125222

Ion Ratio Lower Upper

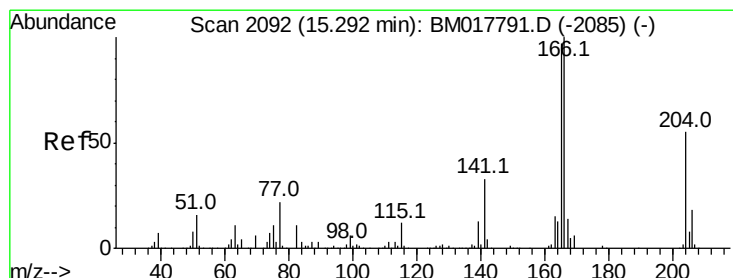
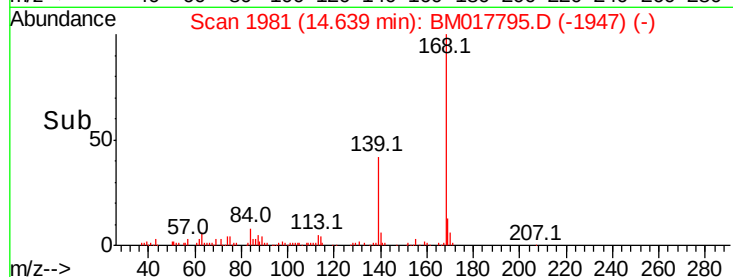
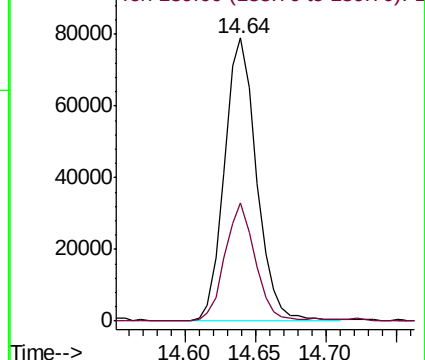
168 100

139 41.7 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: 3.814 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

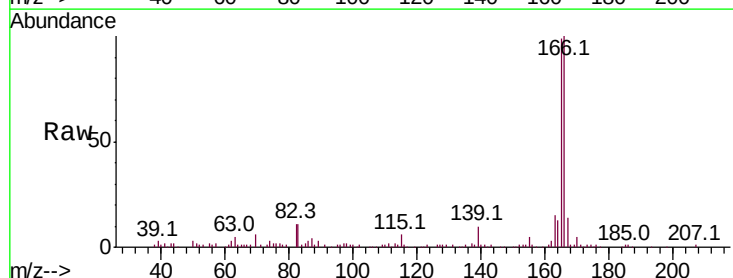
Tgt Ion:166 Resp: 168289

Ion Ratio Lower Upper

166 100

165 98.7 78.0 117.0

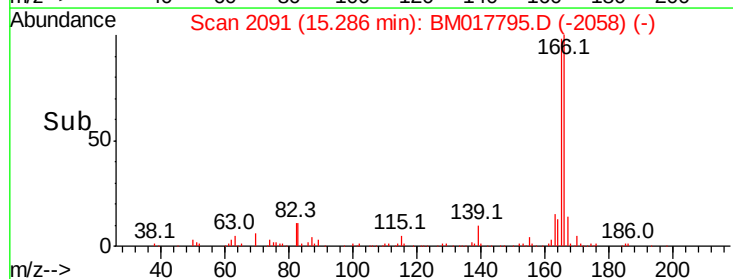
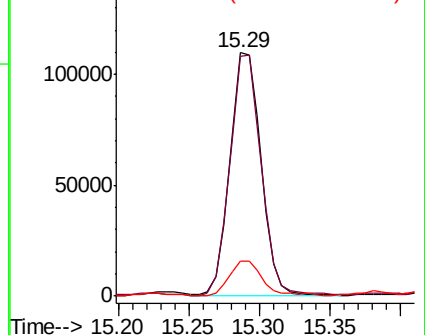
167 14.1 10.8 16.2

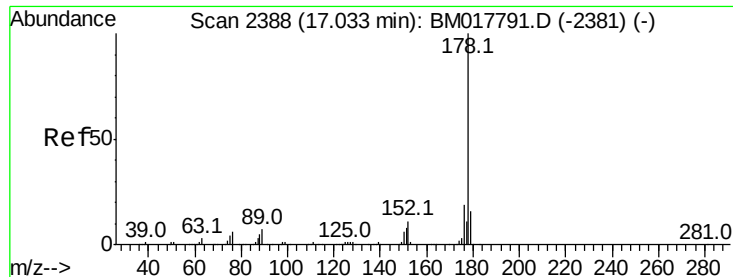


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 26.634 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Instrument :

BNA_M

ClientSampleId :

ETOA6

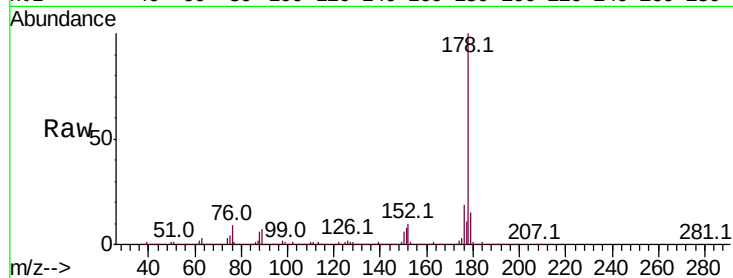
Tot Ion:178 Resp: 1872776

Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

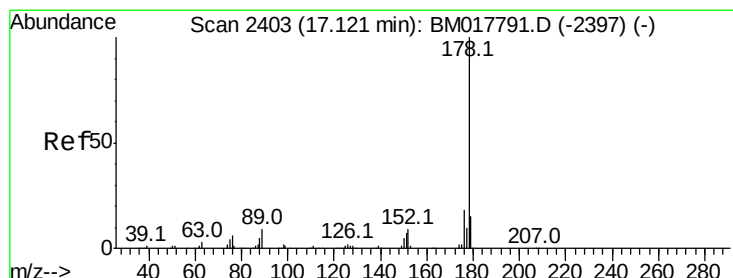
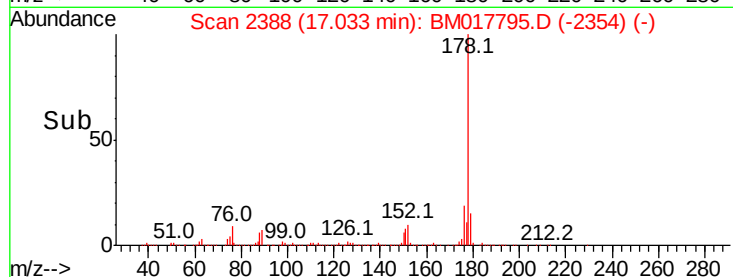
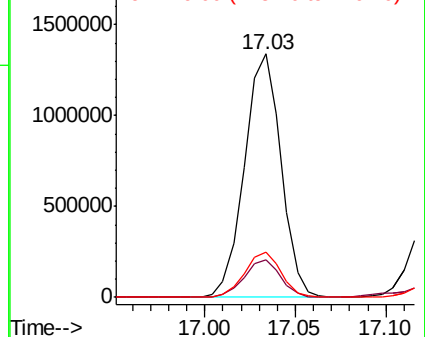
176 18.8 15.0 22.6



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: 7.620 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

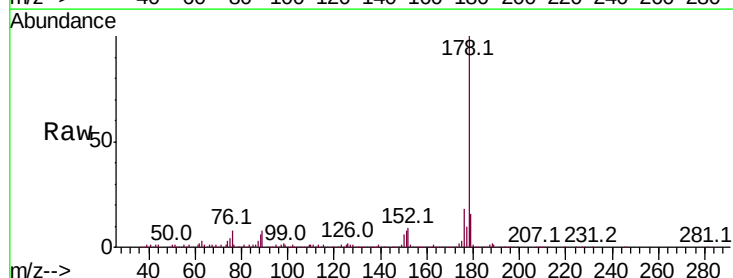
Tgt Ion:178 Resp: 547944

Ion Ratio Lower Upper

178 100

179 16.3 12.4 18.6

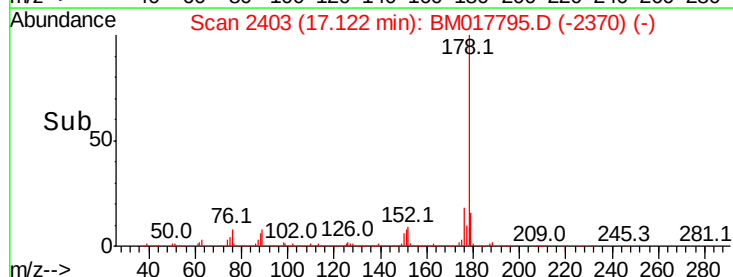
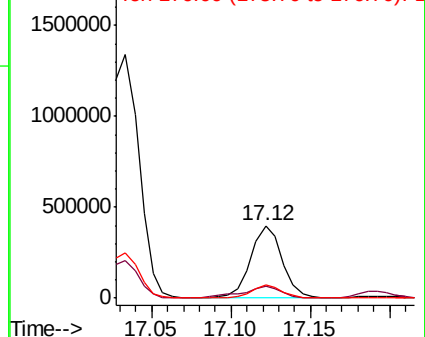
176 17.9 14.8 22.2

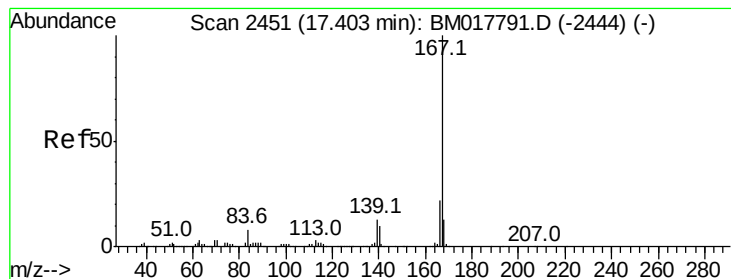


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 3.794 ng/ul

RT: 17.40 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Instrument :

BNA_M

ClientSampleId :

ETOA6

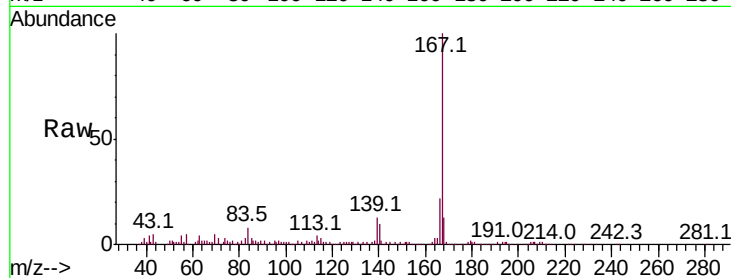
Tot Ion:167 Resp: 240422

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.4

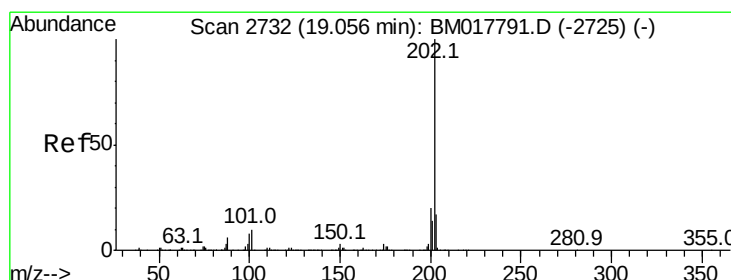
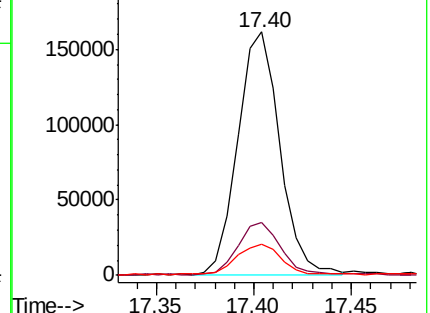
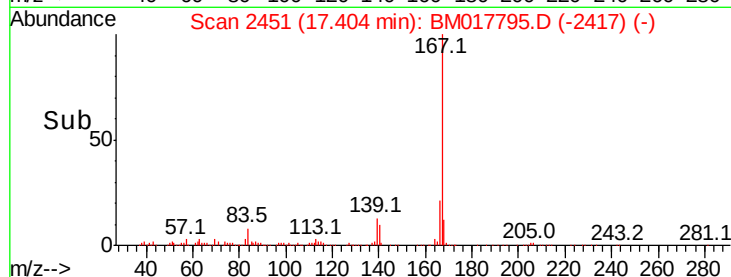
139 13.0 10.5 15.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 29.148 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

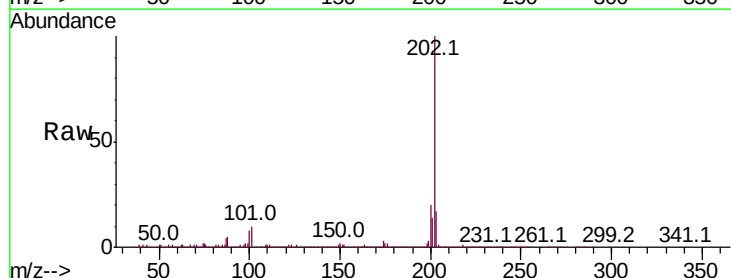
Tgt Ion:202 Resp: 2410713

Ion Ratio Lower Upper

202 100

101 10.3 8.4 12.6

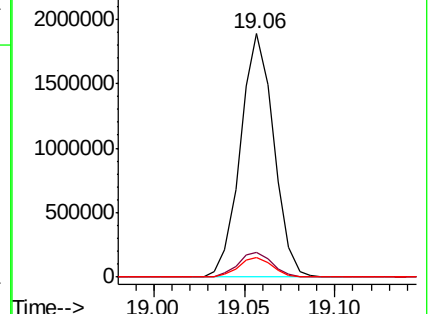
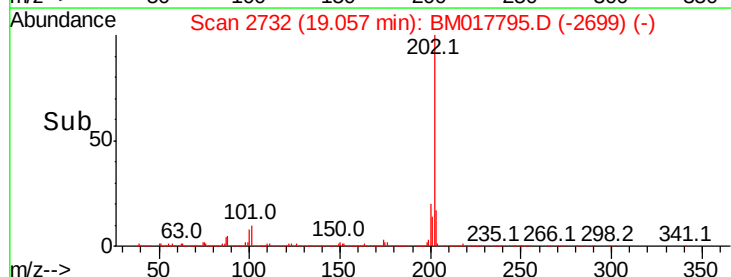
100 8.3 6.6 9.8

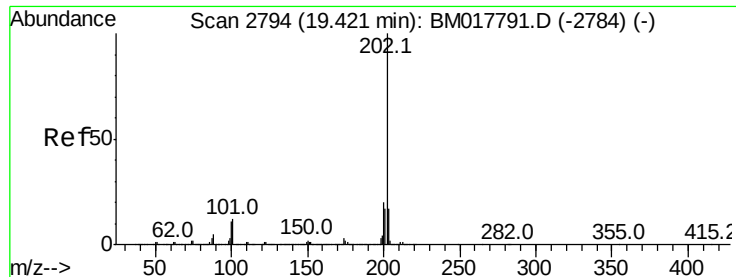


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 24.355 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Instrument :

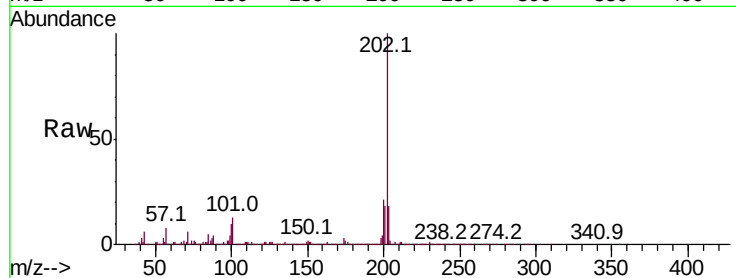
BNA_M

ClientSampleId :

ETOA6

Tot Ion:202 Resp: 1822288

Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.6	14.4
100	10.5	7.9	11.9

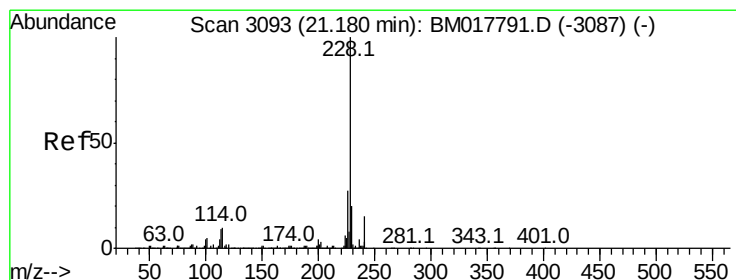
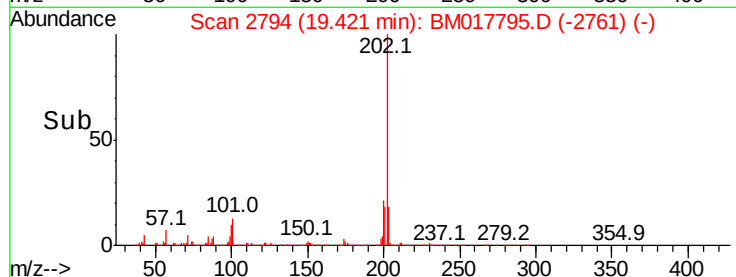
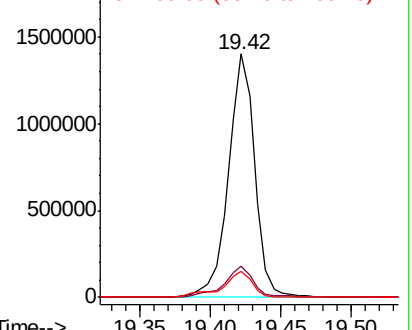


Abundance

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: 12.349 ng/ul

RT: 21.18 min Scan# 3093

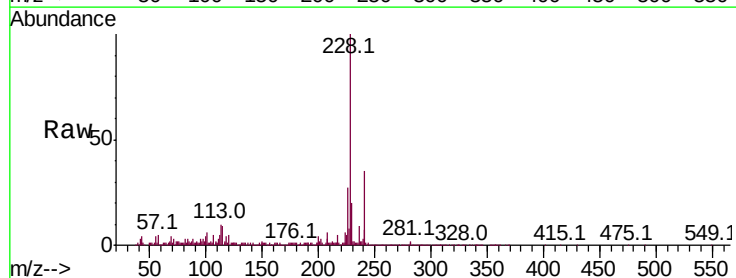
Delta R.T. 0.00 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Tgt Ion:228 Resp: 944089

Ion	Ratio	Lower	Upper
228	100		
229	20.4	16.0	24.0
226	27.1	21.0	31.6

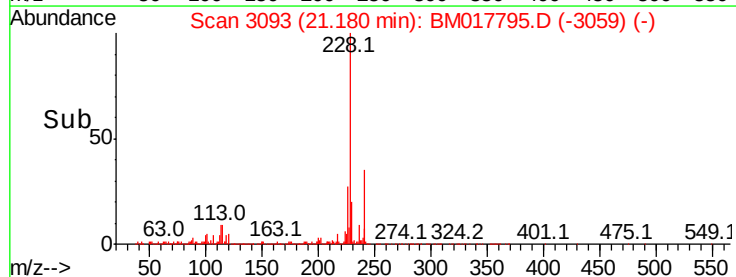
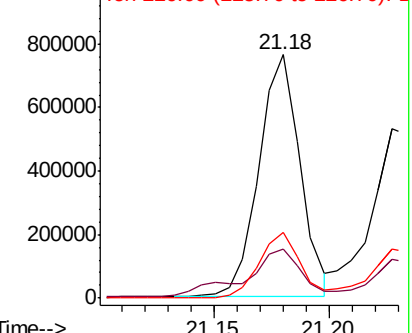


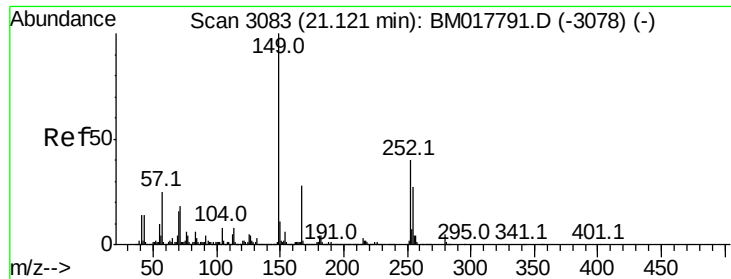
Abundance

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





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.230 ng/ul

RT: 21.12 min Scan# 3083

Delta R.T. 0.00 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Instrument :

BNA_M

ClientSampleId :

ETOA6

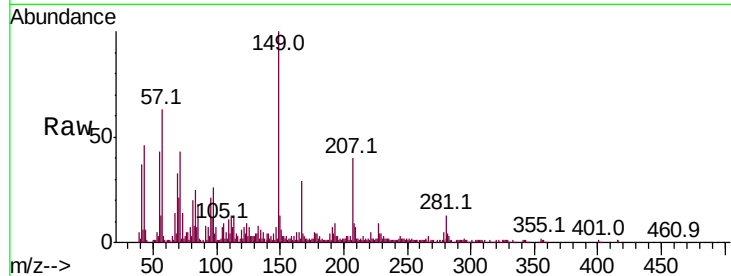
Tot Ion:149 Resp: 105635

Ion Ratio Lower Upper

149 100

167 29.1 21.9 32.9

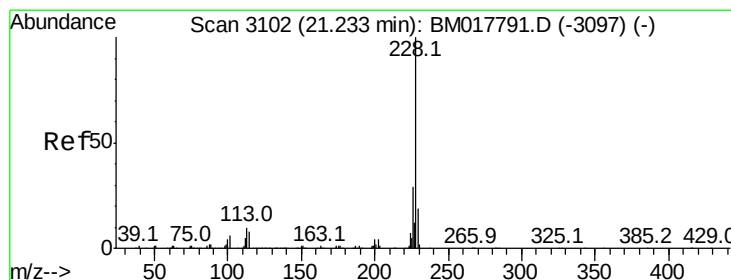
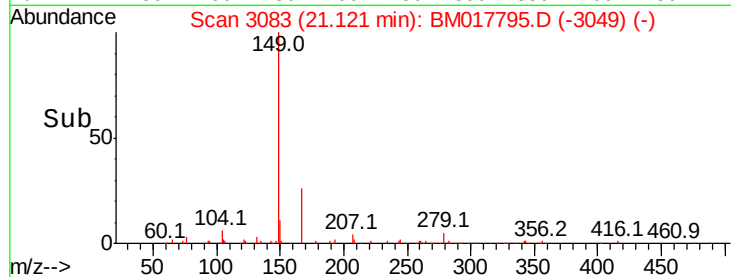
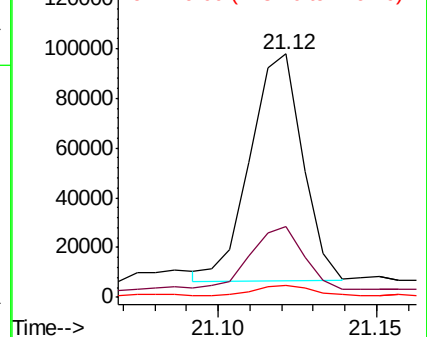
279 5.1 3.6 5.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 10.896 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

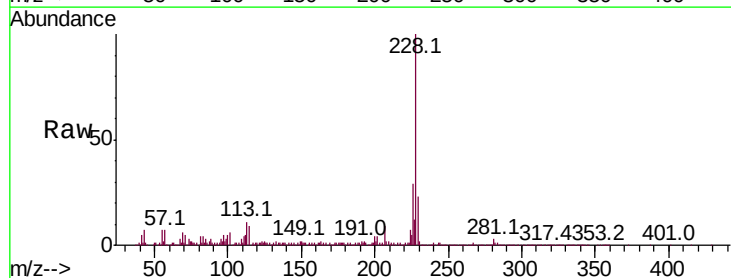
Tgt Ion:228 Resp: 779051

Ion Ratio Lower Upper

228 100

226 28.8 23.7 35.5

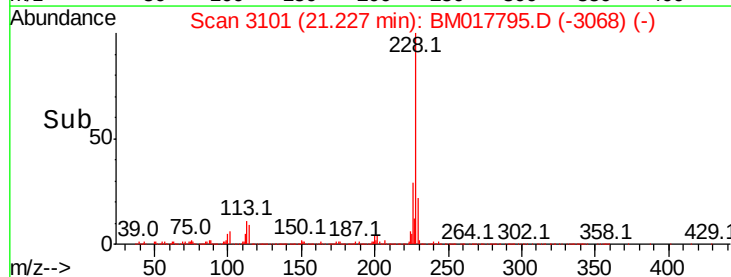
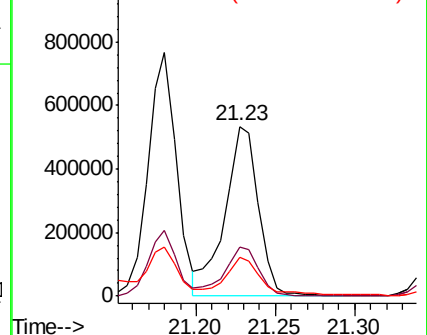
229 22.6 15.8 23.8

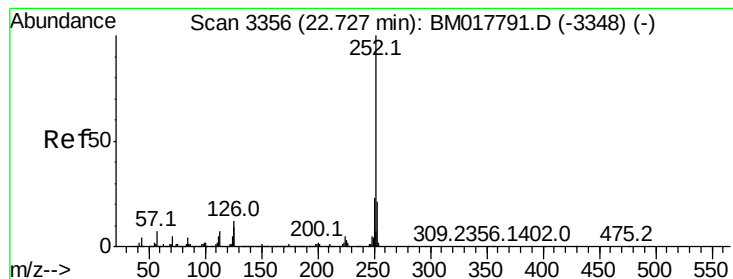


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 12.584 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. 0.00 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Instrument :

BNA_M

ClientSampled :

ETOA6

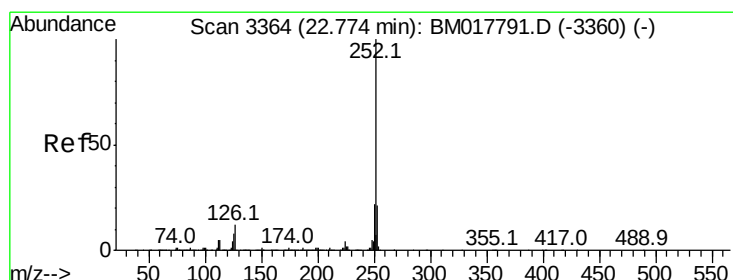
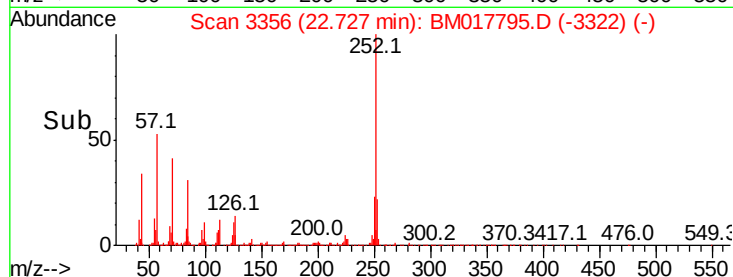
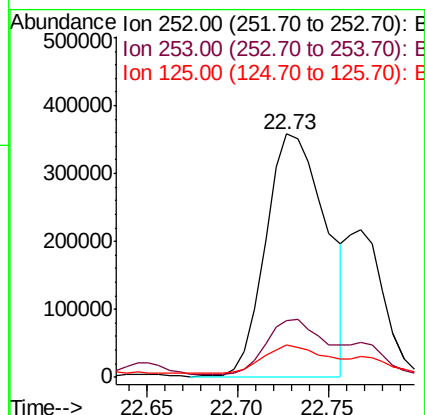
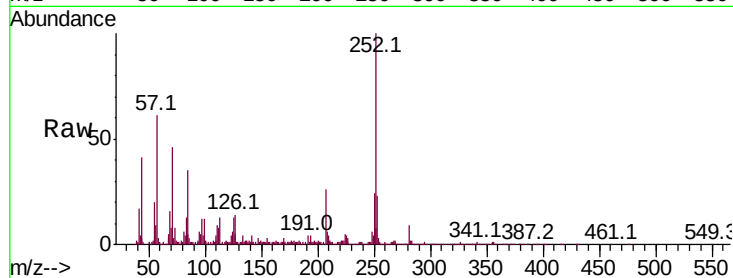
Tot Ion:252 Resp: 827340

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

125 13.1 7.3 10.9#



#88

Benzo(k)fluoranthene

Concen: 12.948 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. -0.05 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

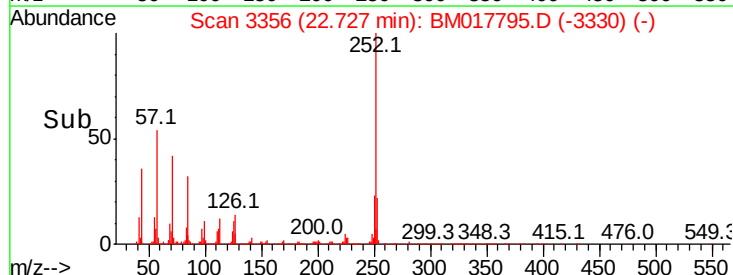
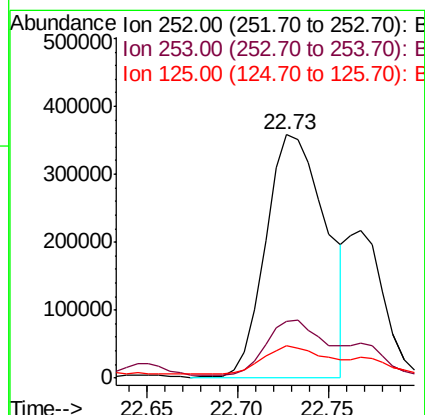
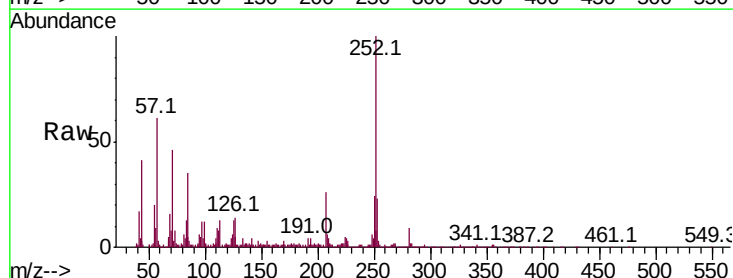
Tgt Ion:252 Resp: 827340

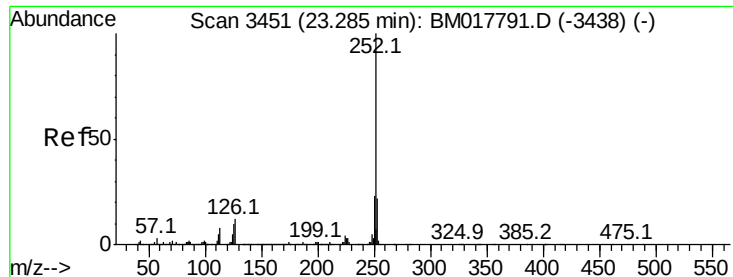
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 13.1 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 9.280 ng/ul

RT: 23.28 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Instrument :

BNA_M

ClientSampleId :

ETOA6

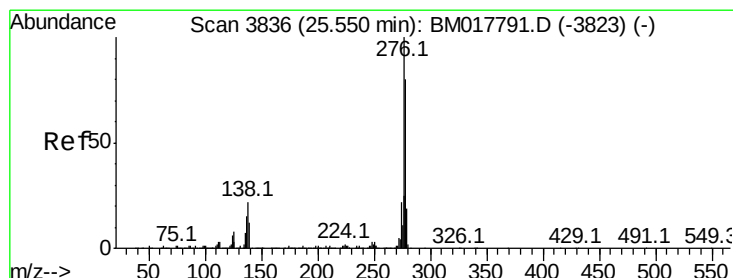
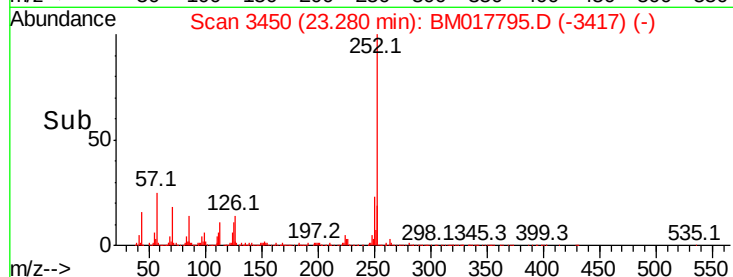
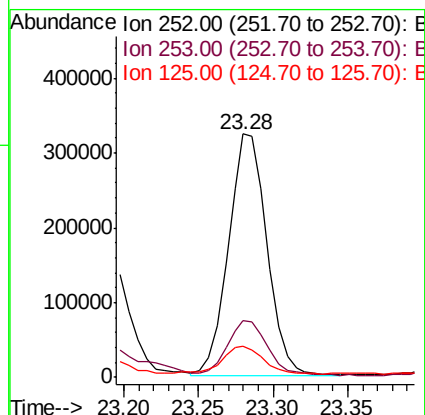
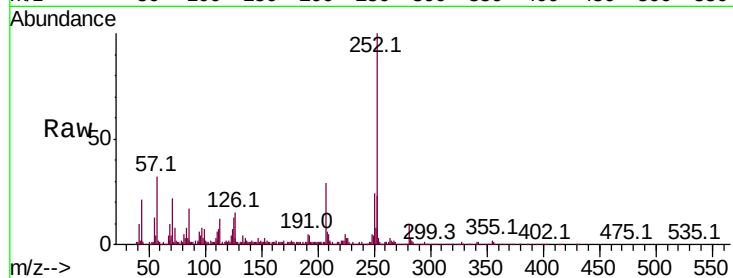
Tot Ion:252 Resp: 578572

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 13.0 7.9 11.9#



#91

Indeno(1,2,3-cd)pyrene

Concen: 4.779 ng/ul

RT: 25.54 min Scan# 3835

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

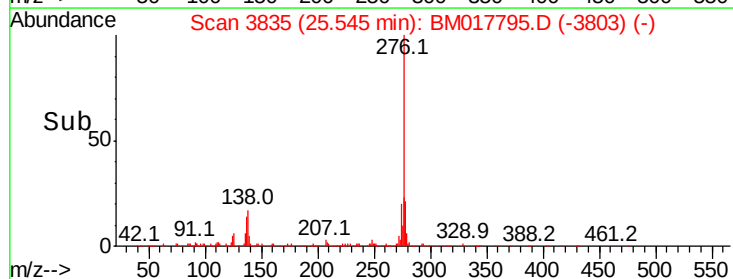
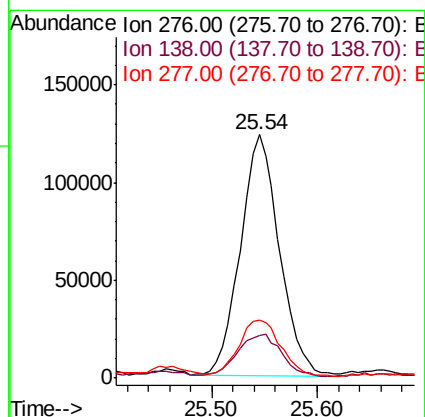
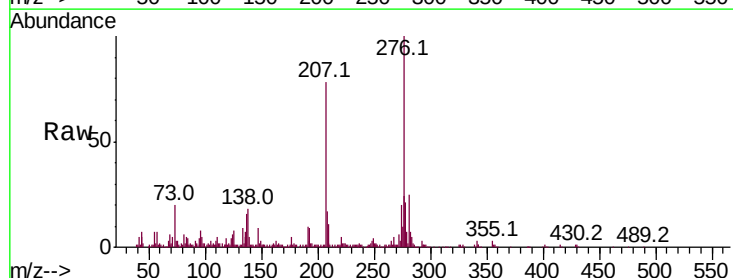
Tgt Ion:276 Resp: 315731

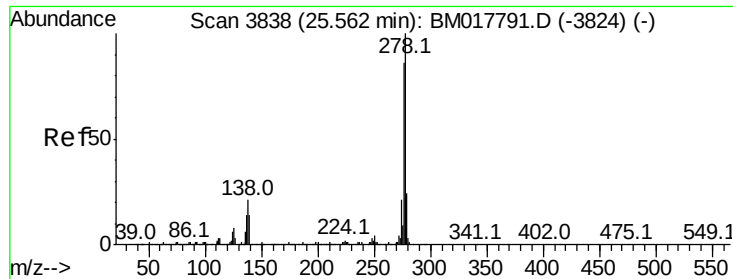
Ion Ratio Lower Upper

276 100

138 17.6 18.2 27.2#

277 23.9 20.2 30.4





#92

Dibenzo(a,h)anthracene

Concen: 1.526 ng/ul

RT: 25.55 min Scan# 3836

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Instrument :

BNA_M

ClientSampleId :

ETOA6

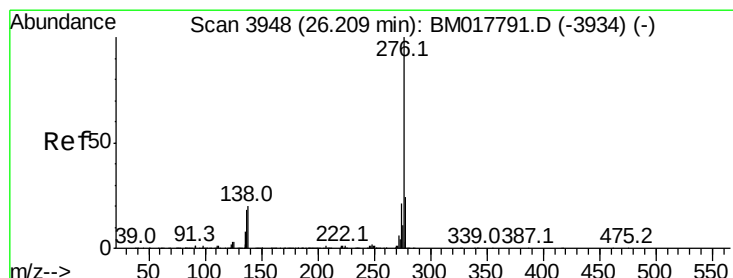
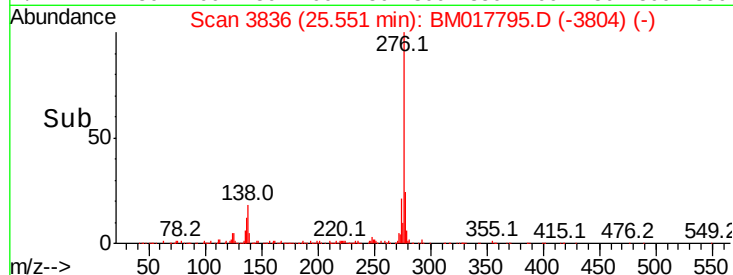
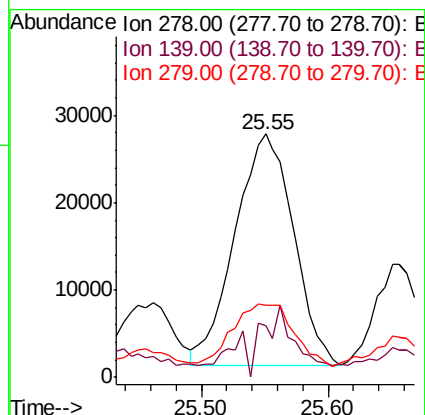
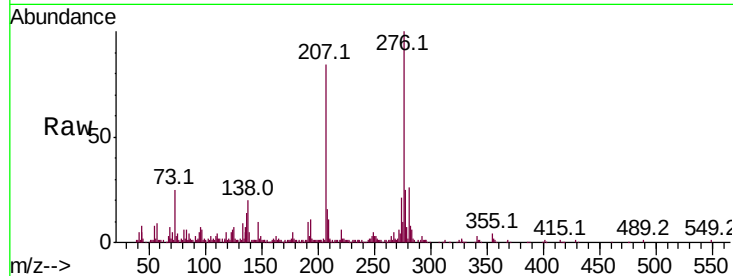
Tot Ion:278 Resp: 85130

Ion Ratio Lower Upper

278 100

139 21.1 11.5 17.3#

279 29.9 18.9 28.3#



#93

Benzo(g,h,i)perylene

Concen: 4.527 ng/ul

RT: 26.21 min Scan# 3948

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

Tgt Ion:276 Resp: 241679

Ion Ratio Lower Upper

276 100

138 18.7 15.8 23.6

277 25.5 18.6 27.8

