

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

Manual Integrations
 APPROVED

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Quant Time: Nov 29 13:34:33 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	
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	22.77	252	308324m	4.825	ng/ul	
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) Dibenzo(a,h)anthracene	25.55	278	85130	1.526	ng/ul#	86
93) Benzo(g,h,i)perylene	26.21	276	241679	4.527	ng/ul	96

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

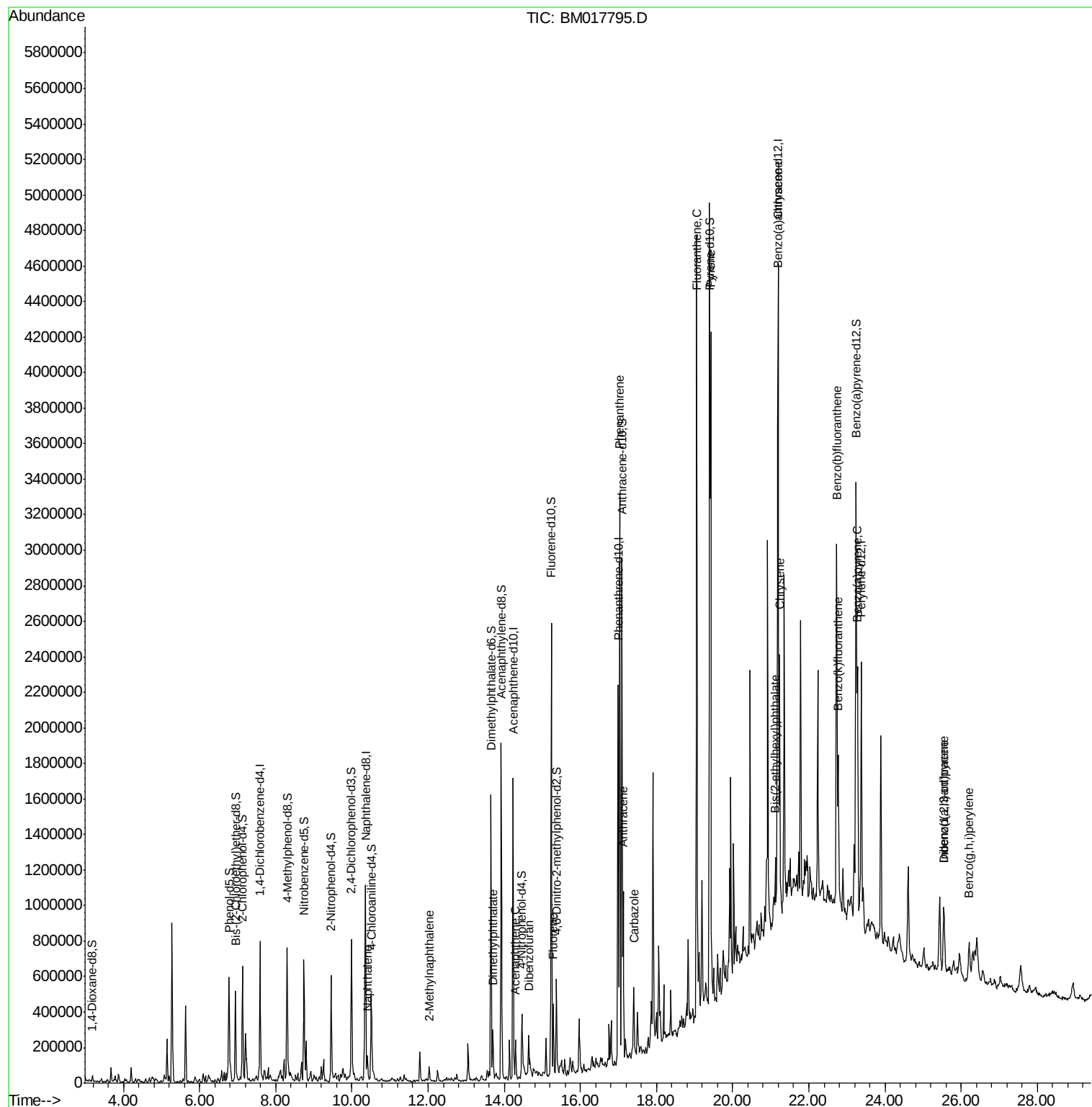
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

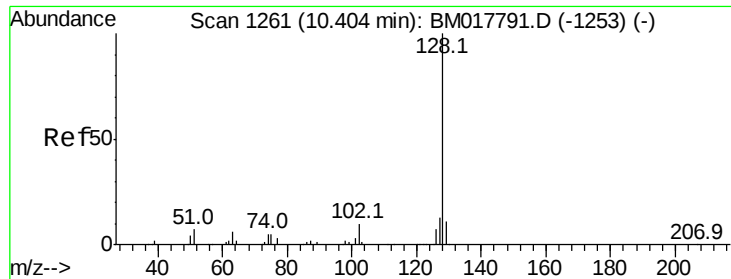
Instrument :
BNA_M
ClientSampled :
ETOA6

Quant Time: Nov 29 13:34:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 29 13:13:08 2018
Response via : Initial Calibration

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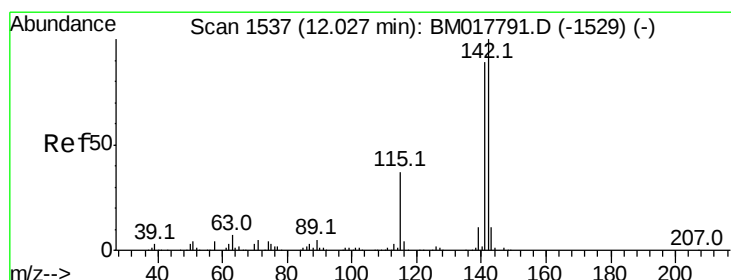
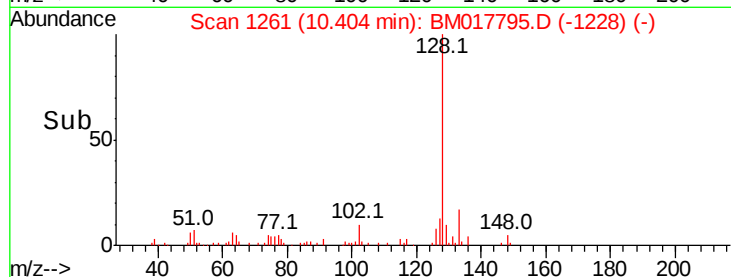
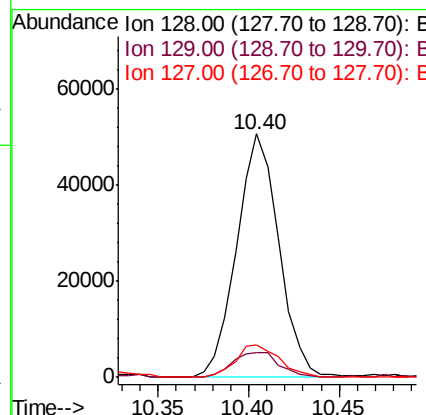
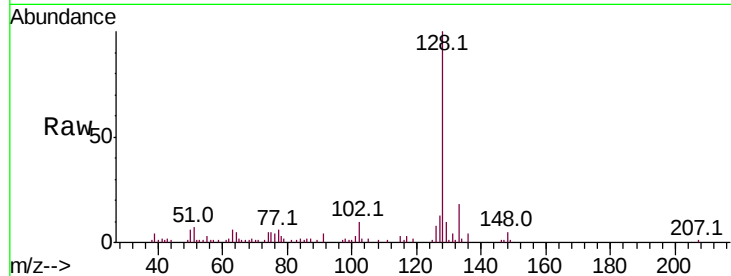
#28
Naphthalene
Concen: 1.746 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Instrument :
BNA_M
ClientSampleId :
ETOA6

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

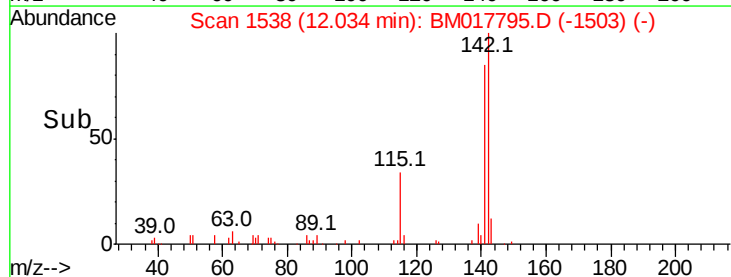
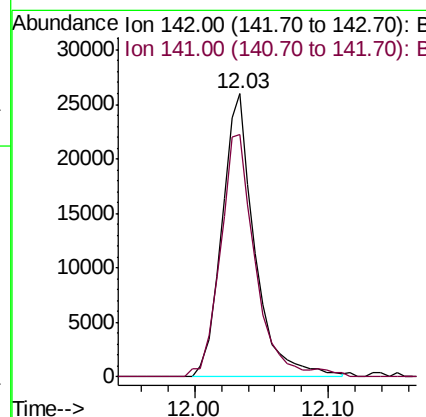
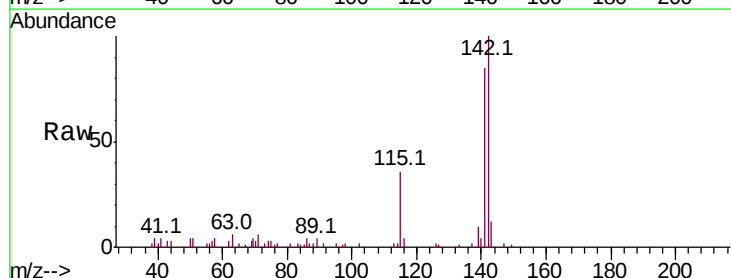
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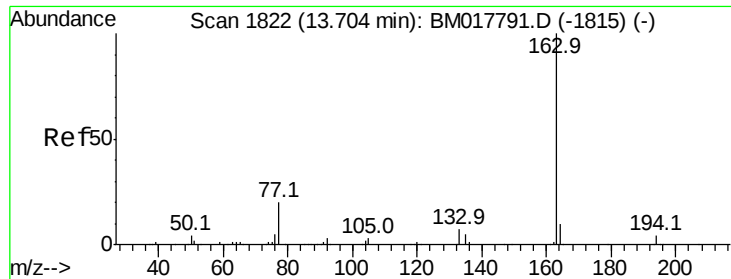
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#34
2-Methylnaphthalene
Concen: 1.276 ng/ul
RT: 12.03 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	72.6	108.8





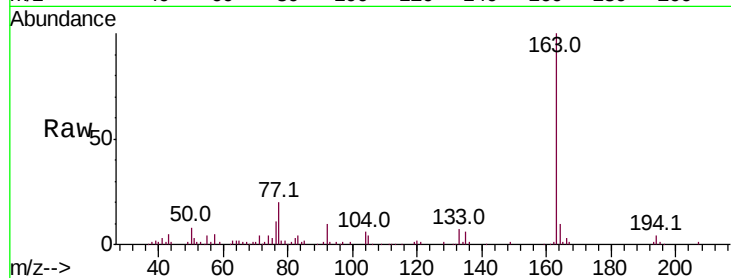
#44
Dimethylphthalate
Concen: 3.587 ng/ul
RT: 13.70 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Instrument :
BNA_M
ClientSampled :
ETOA6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	159524		
194	4.2		3.4	5.0
164	9.7		8.1	12.1

Manual Integrations
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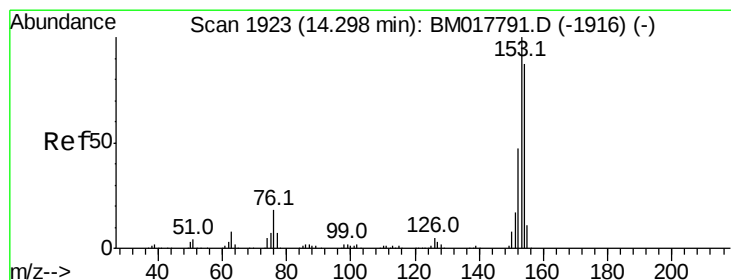
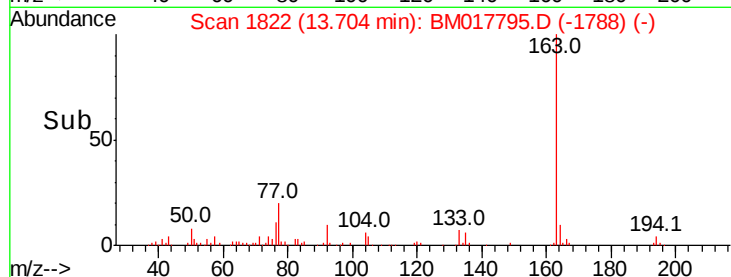
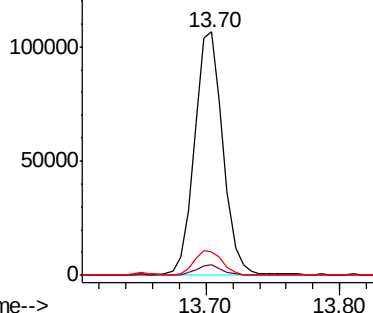


Abundance

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

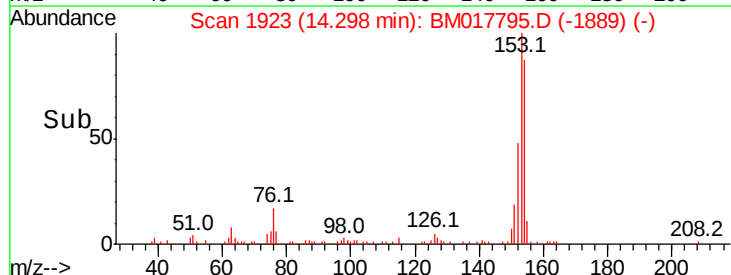
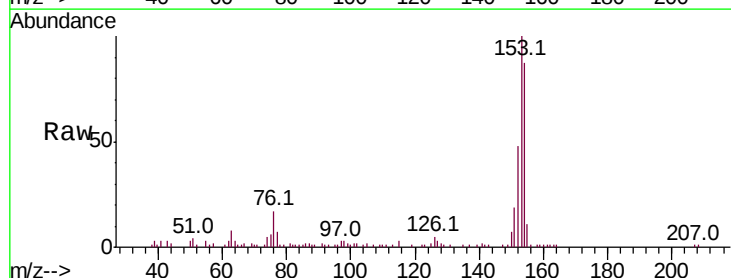
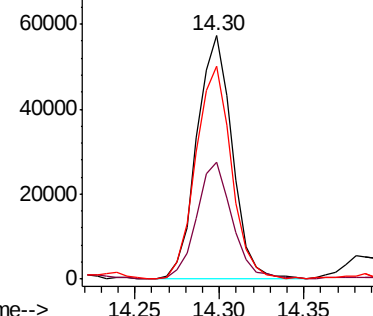
Tgt Ion	Ratio	Resp	Lower	Upper
153	100	83630		
152	47.9		37.0	55.6
154	87.4		70.6	106.0

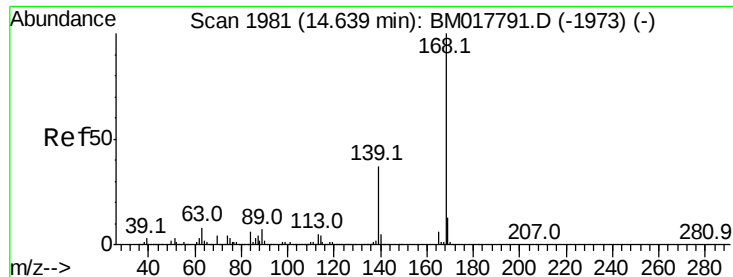
Abundance

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

ClientSampled :

ETOA6

Tot Ion:168 Resp: 125222

Ion Ratio Lower Upper

168 100

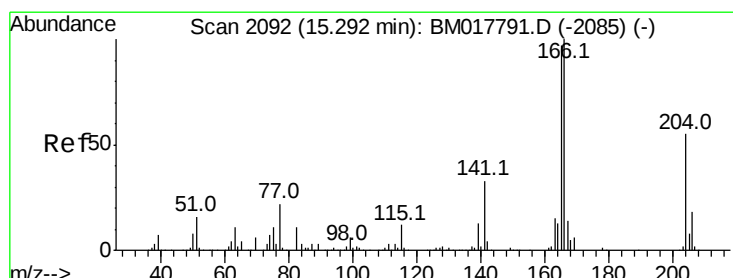
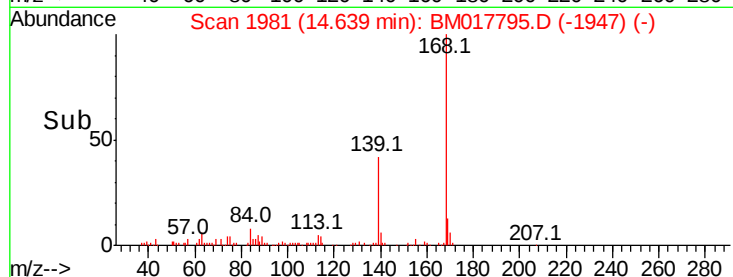
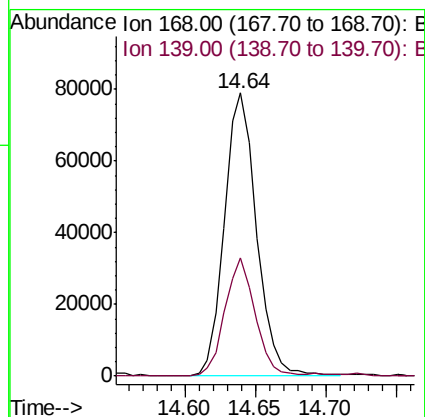
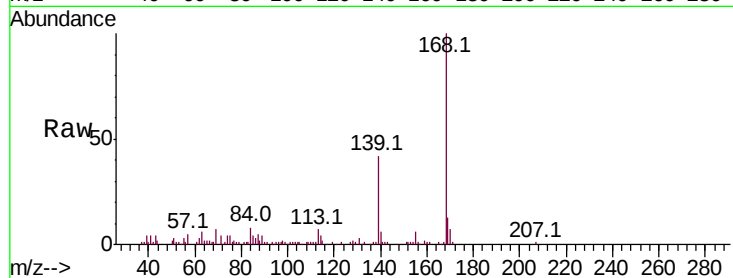
139 41.7 30.6 46.0

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#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

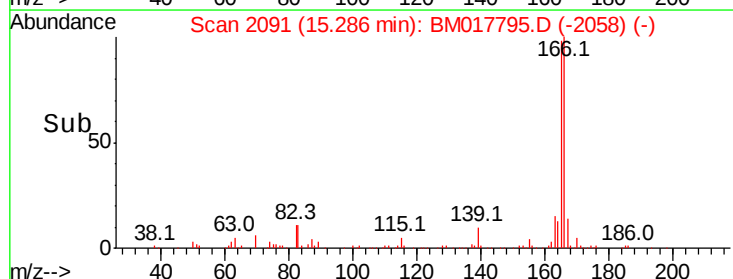
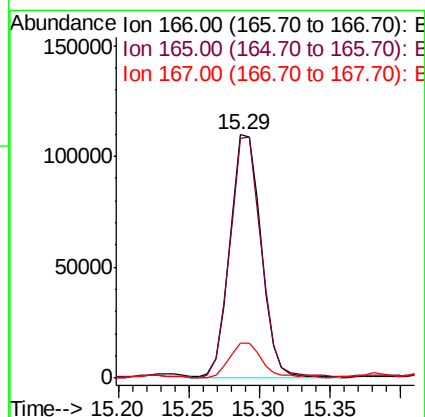
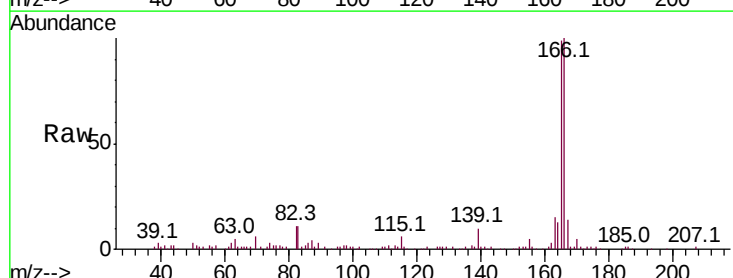
Tgt Ion:166 Resp: 168289

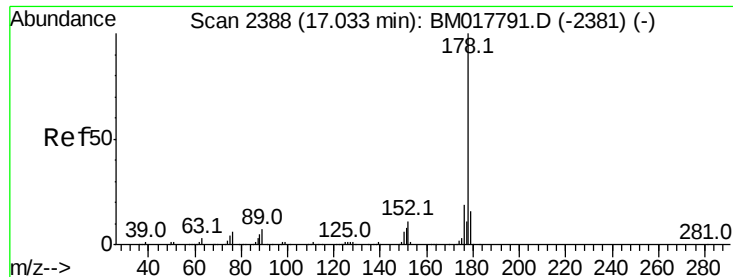
Ion Ratio Lower Upper

166 100

165 98.7 78.0 117.0

167 14.1 10.8 16.2





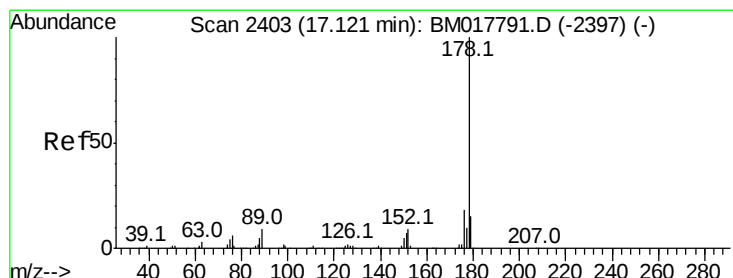
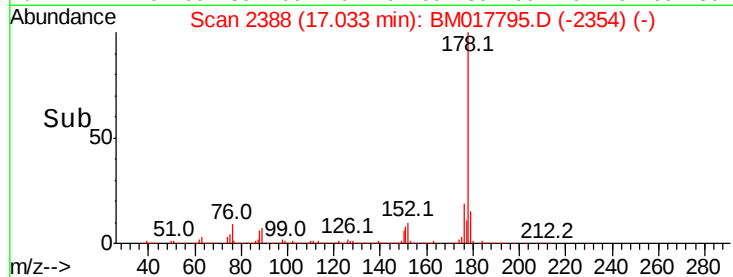
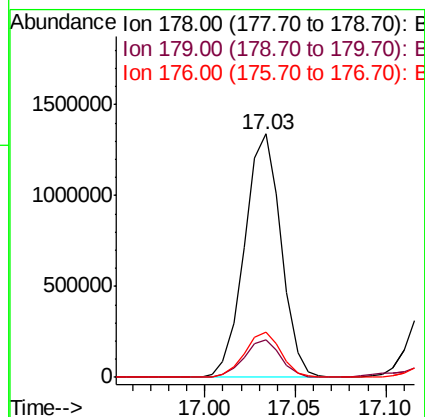
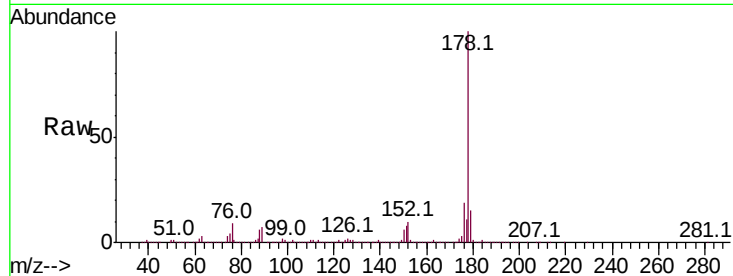
#69
Phenanthrene
Concen: 26.634 ng/ul
RT: 17.03 min Scan# 2388
Delta R.T. 0.00 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Instrument :
BNA_M
ClientSampleId :
ETOA6

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.8
176	18.8	15.0	22.6

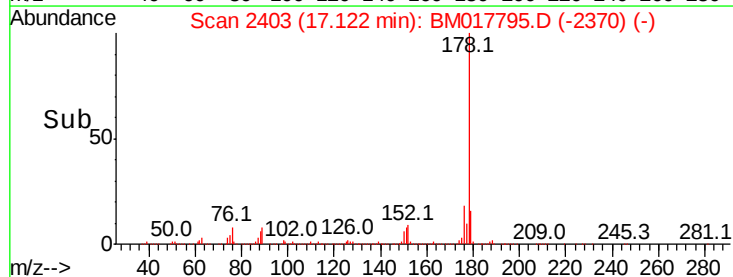
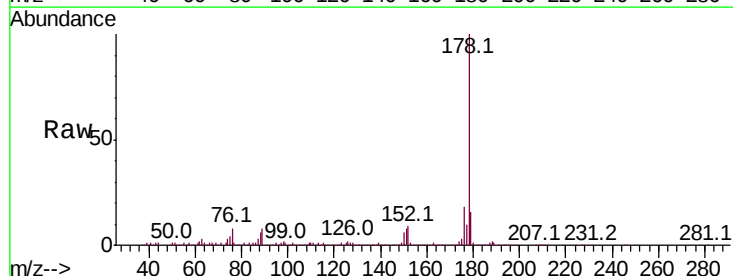
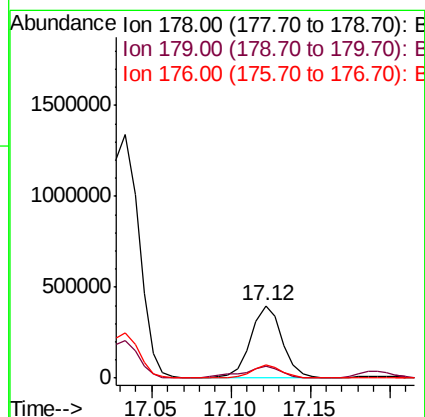
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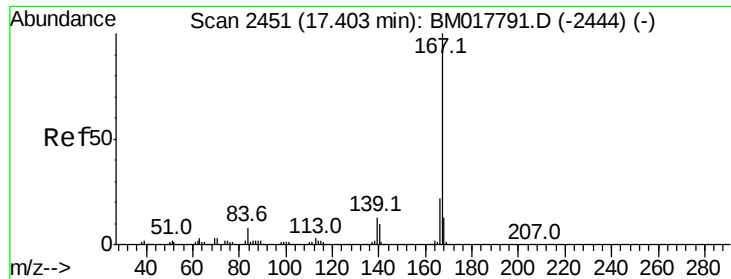
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#71
Anthracene
Concen: 7.620 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.4	18.6
176	17.9	14.8	22.2





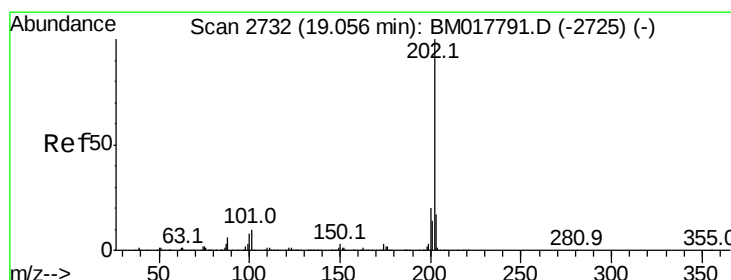
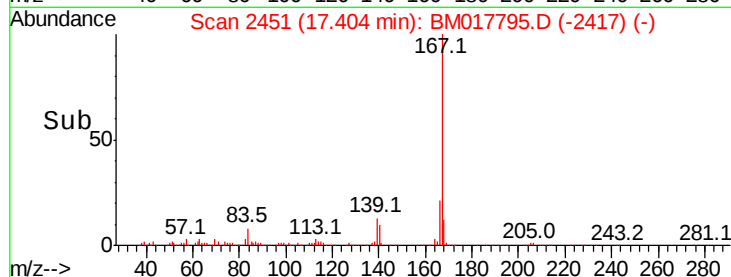
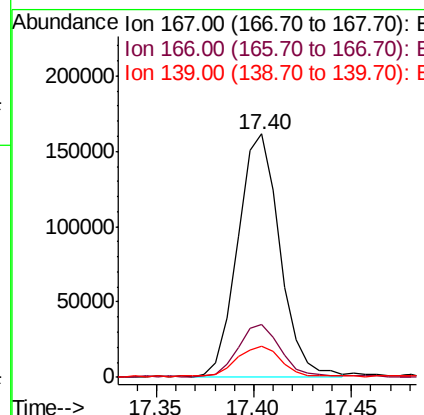
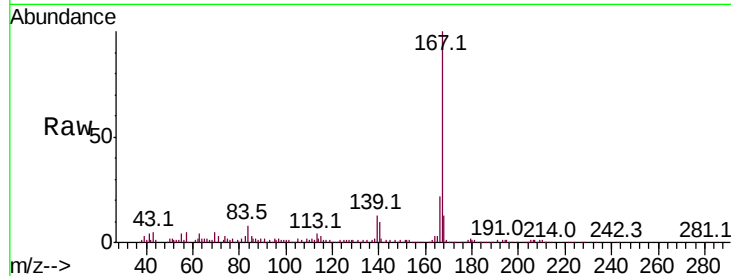
#74
 Carbazole
 Concen: 3.794 ng/ul
 RT: 17.40 min Scan# 2451
 Delta R.T. 0.00 min
 Lab File: BM017795.D
 Acq: 29 Nov 2018 11:55

Instrument :
 BNA_M
 ClientSampleId :
 ETOA6

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.4
139	13.0	10.5	15.7

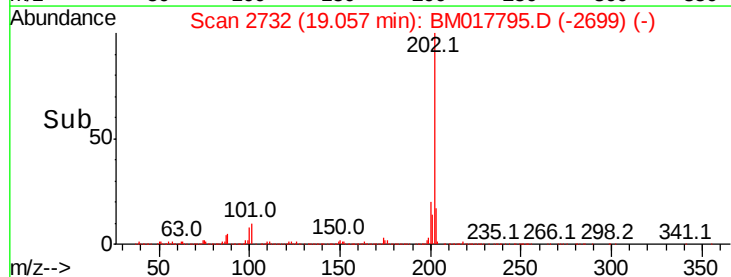
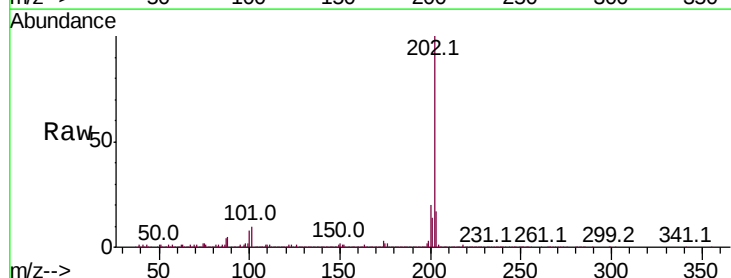
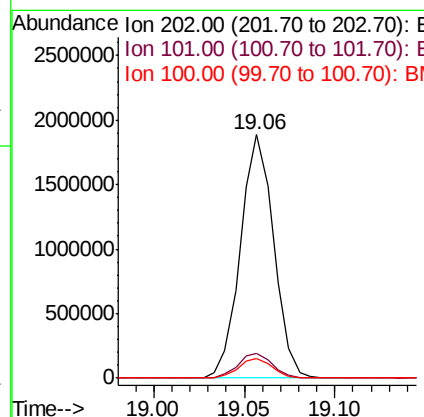
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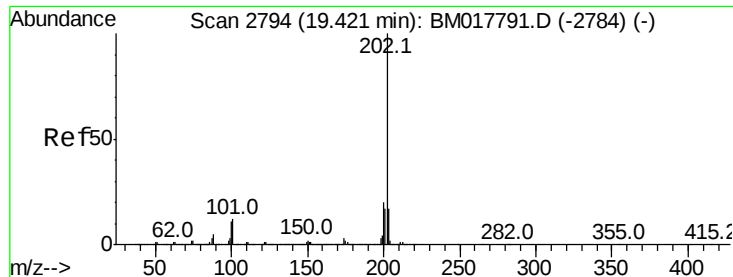
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#76
 Fluoranthene
 Concen: 29.148 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.01 min
 Lab File: BM017795.D
 Acq: 29 Nov 2018 11:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.4	12.6
100	8.3	6.6	9.8





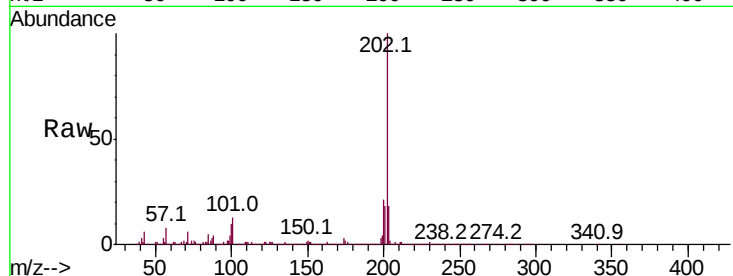
#79
Pvrene
Concen: 24.355 ng/ul
RT: 19.42 min Scan# 2794
Delta R.T. -0.01 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Instrument :
BNA_M
ClientSampleId :
ETOA6

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

Manual Integrations
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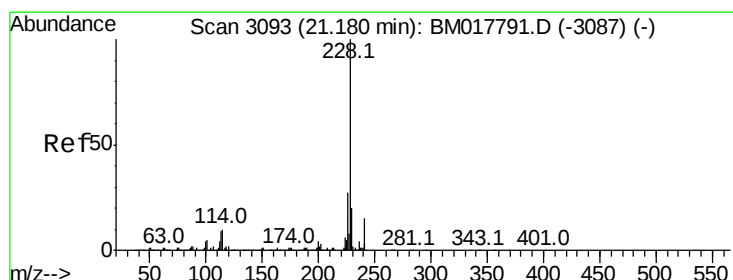
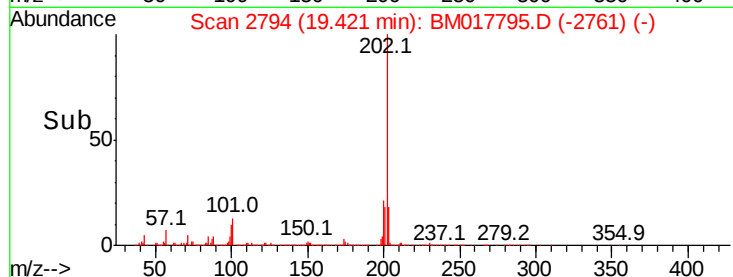
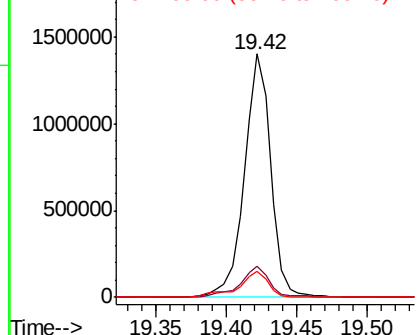


Abundance

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

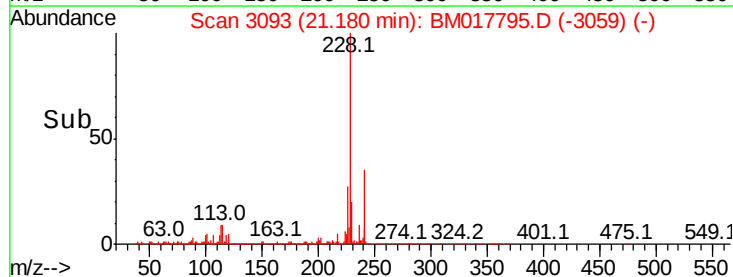
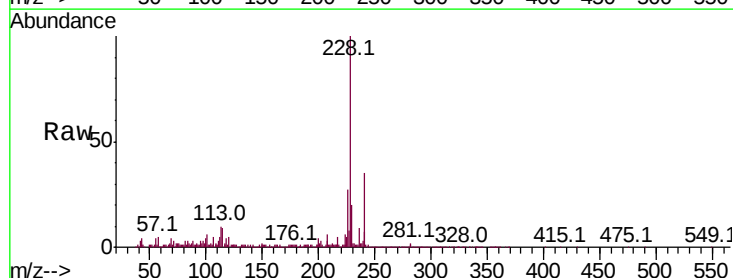
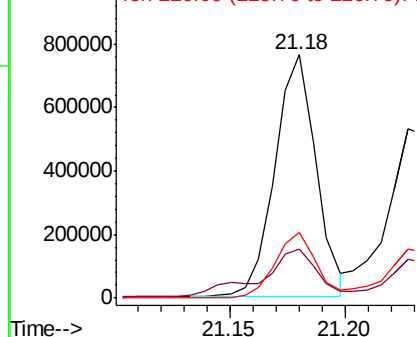
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	16.0	24.0
226	27.1	21.0	31.6

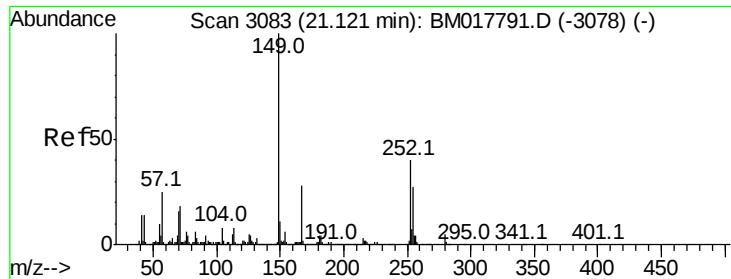
Abundance

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

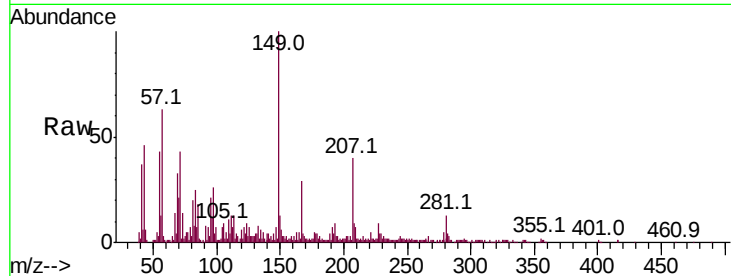
ClientSampleId :

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

Manual Integrations
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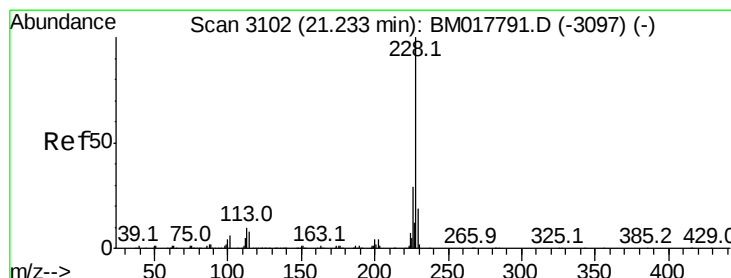
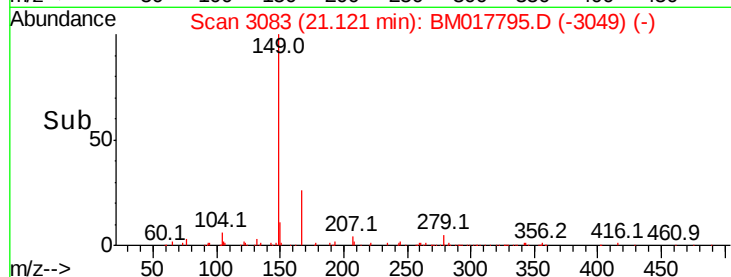
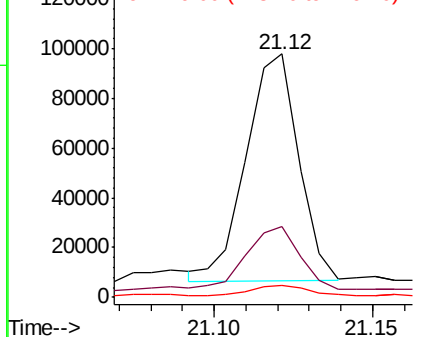
mohammad
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Abundance Ion 149.00 (148.70 to 149.70): E

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

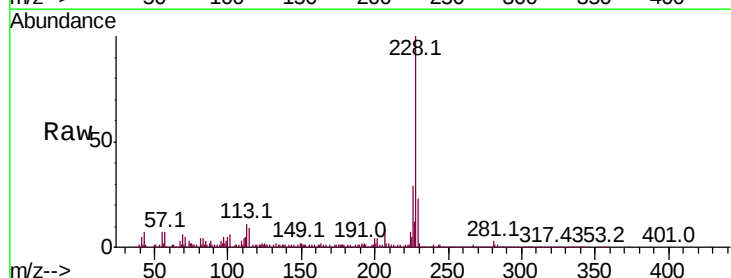
RT: 21.23 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM017795.D

Acq: 29 Nov 2018 11:55

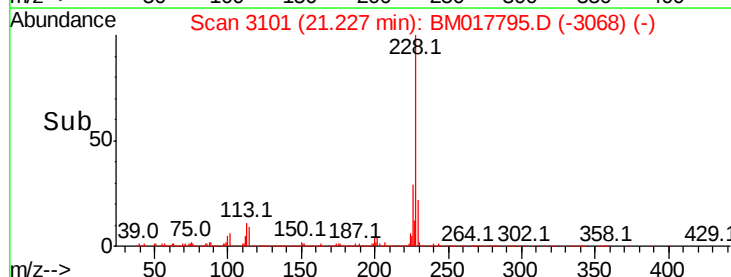
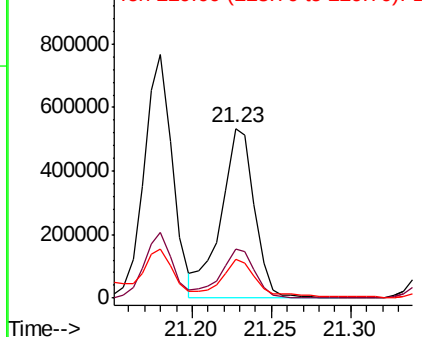
Tgt Ion:	228	Resp:	779051
Ion Ratio	Lower	Upper	
228	100		
226	28.8	23.7	35.5
229	22.6	15.8	23.8

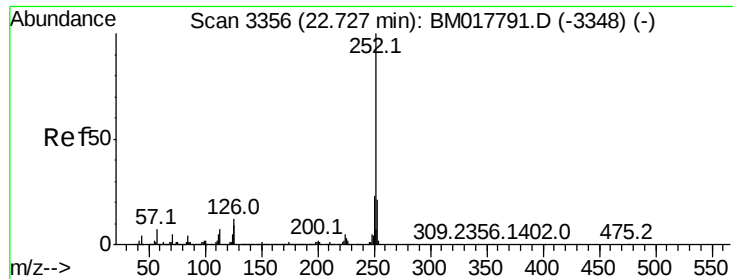


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





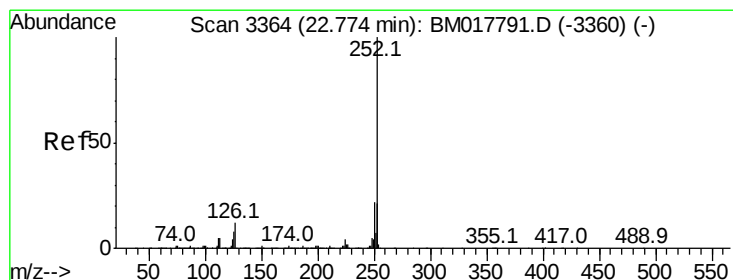
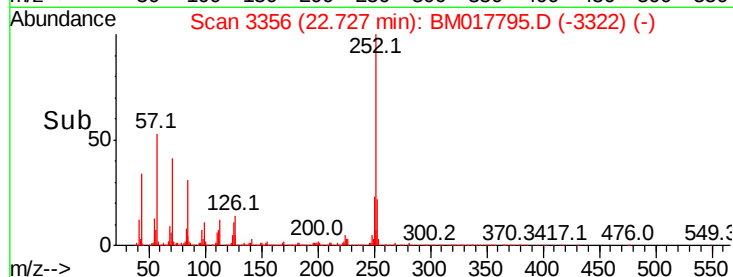
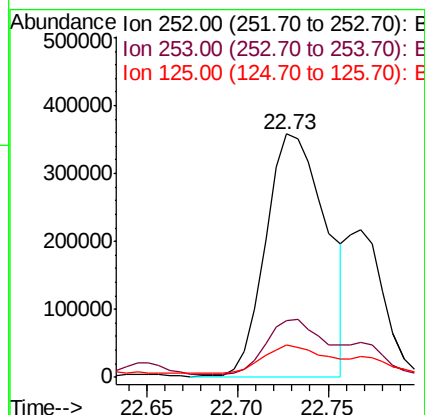
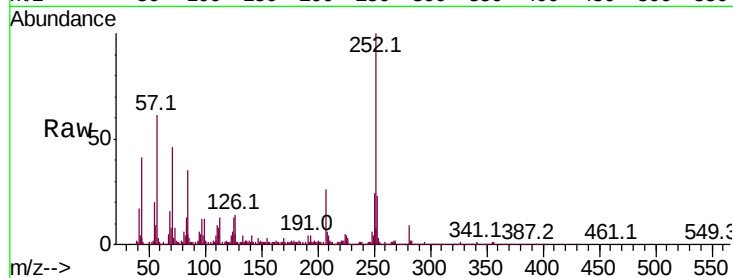
#87
Benzo(b)fluoranthene
Concen: 12.584 ng/ul
RT: 22.73 min Scan# 3356
Delta R.T. 0.00 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Instrument :
BNA_M
ClientSampleId :
ETOA6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	13.1	7.3	10.9

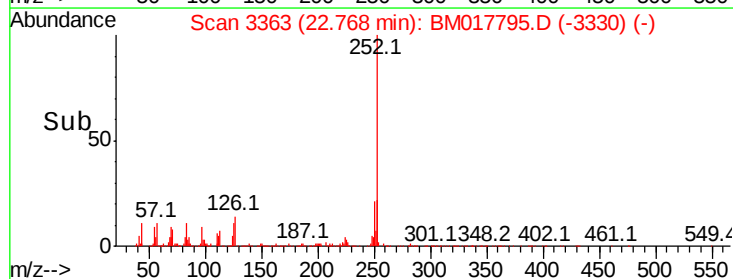
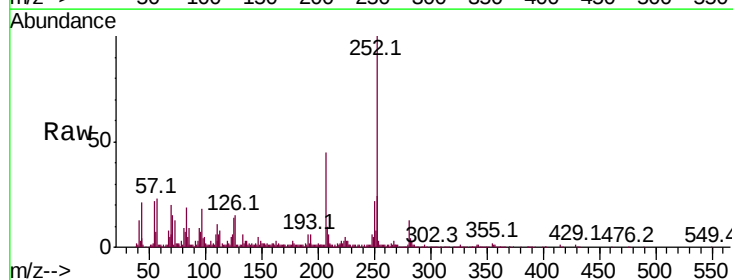
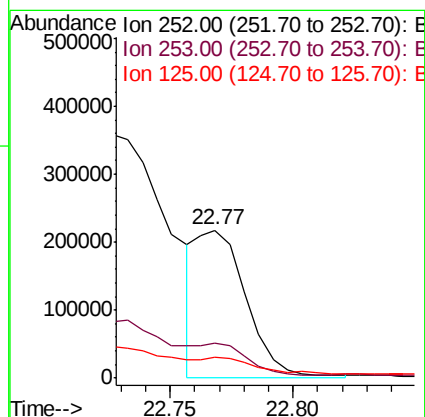
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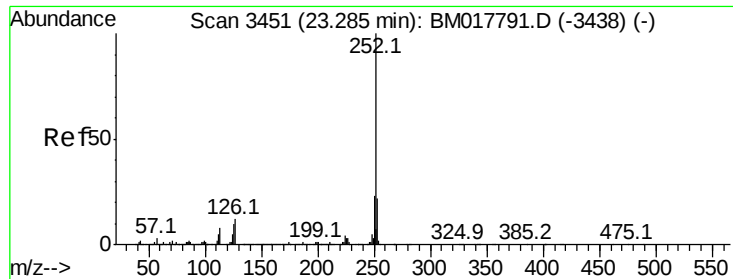
mohammad
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#88
Benzo(k)fluoranthene
Concen: 4.825 ng/ul m
RT: 22.77 min Scan# 3363
Delta R.T. -0.01 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	14.0	7.1	10.7





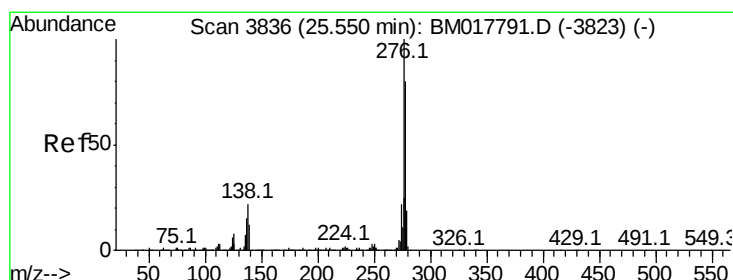
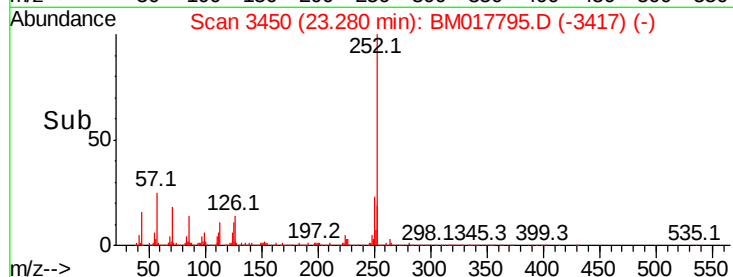
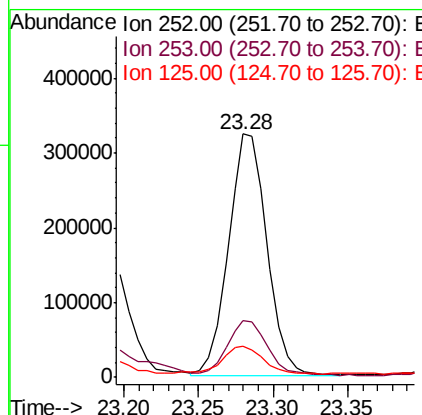
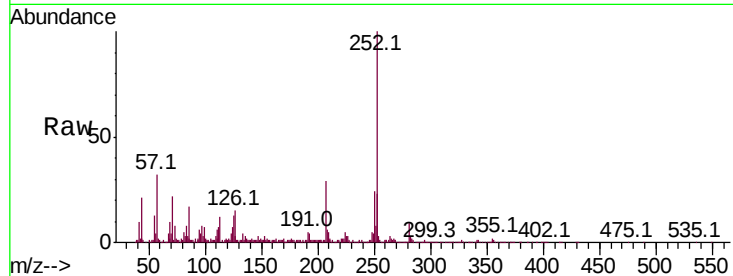
#90
Benzo(a)pyrene
Concen: 9.280 ng/ul
RT: 23.28 min Scan# 3450
Delta R.T. -0.01 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Instrument :
BNA_M
ClientSampleId :
ETOA6

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	17.4	26.0
125	13.0	7.9	11.9#

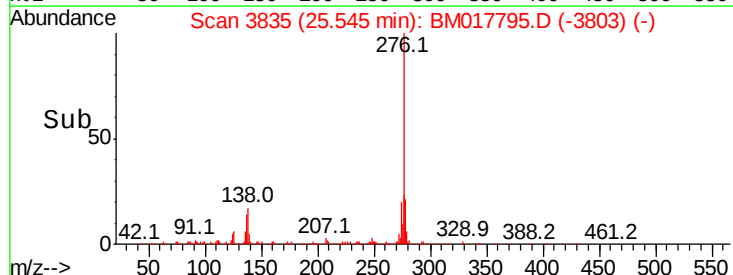
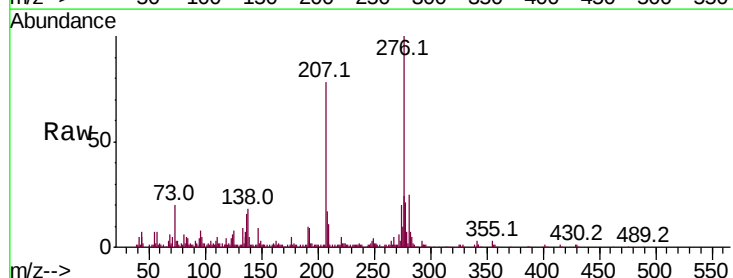
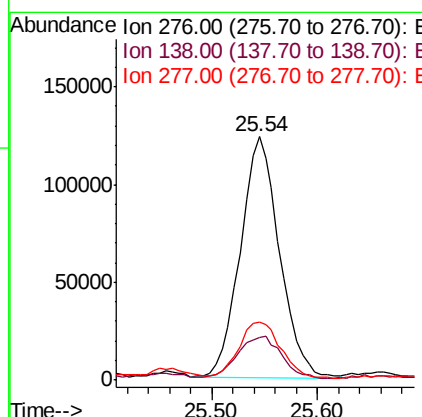
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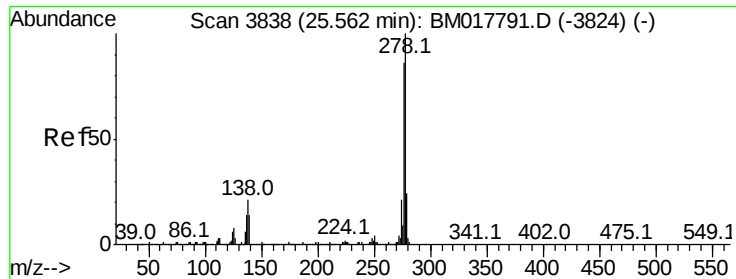
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#91
Indeno(1,2,3-cd)pyrene
Concen: 4.779 ng/ul
RT: 25.54 min Scan# 3835
Delta R.T. -0.01 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	17.6	18.2	27.2#
277	23.9	20.2	30.4





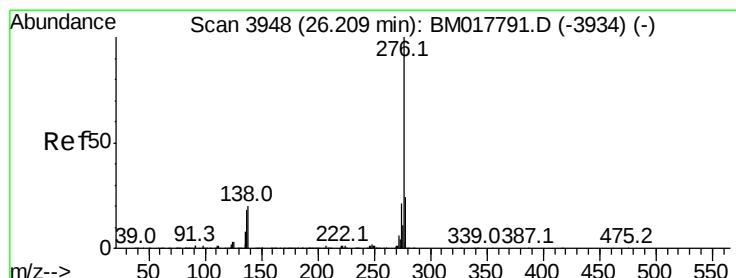
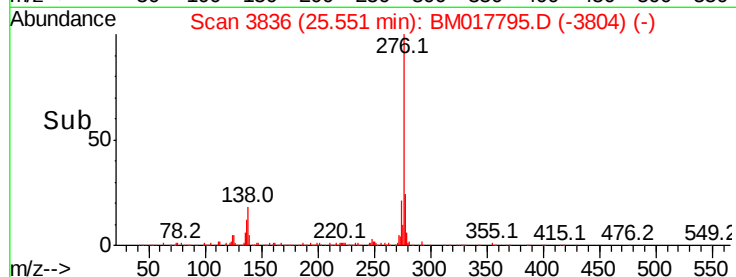
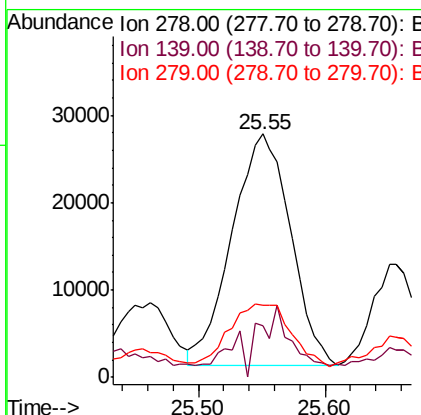
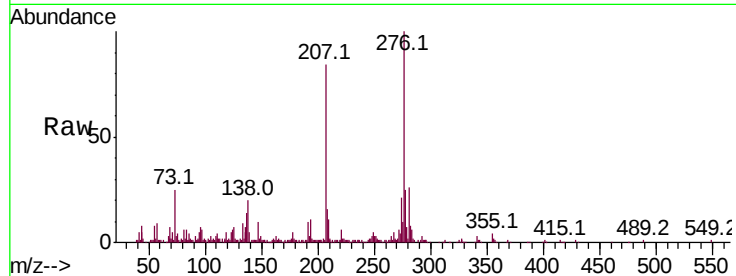
#92
Dibenzo(a,h)anthracene
Concen: 1.526 ng/ul
RT: 25.55 min Scan# 3836
Delta R.T. -0.01 min
Lab File: BM017795.D
Acq: 29 Nov 2018 11:55

Instrument :
BNA_M
ClientSampleId :
ETOA6

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.1	11.5	17.3#
279	29.9	18.9	28.3#

Manual Integrations
APPROVED

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#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	Ratio	Lower	Upper
276	100		
138	18.7	15.8	23.6
277	25.5	18.6	27.8

