

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
 Data File : BM023190.D
 Acq On : 16 Oct 2019 12:33
 Operator : JU
 Sample : K5199-06
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP73

Manual Integrations
 APPROVED

mohammad
 10/17/2019 7:58:23 AM

Quant Time: Oct 16 14:34:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 16 08:27:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	439656	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	1957601	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.33	164	1252202	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	2511125	20.00	ng/ul	-0.01
78) Chrysene-d12	21.26	240	1887353	20.00	ng/ul	0.00
86) Perylene-d12	23.47	264	1893277	20.00	ng/ul	-0.02

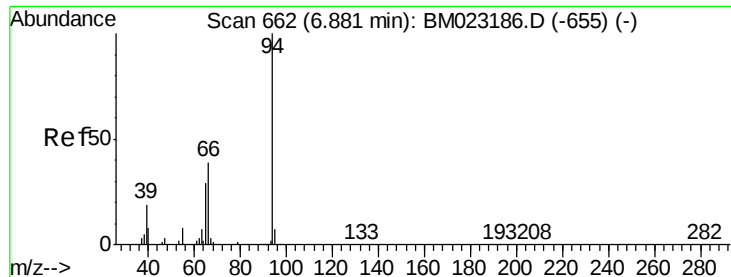
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	44902	4.49	ng/uL	0.00
5) Phenol-d5	6.86	99	834608	21.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	527326	24.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	702576	23.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	635211	20.65	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	342989	25.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	344136	27.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	725645	22.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	475753	12.19	ng/ul	0.00
44) Dimethylphthalate-d6	13.74	166	2327799	24.26	ng/ul	0.00
47) Acenaphthylene-d8	14.02	160	2793598	24.82	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.52	143	167544	10.79	ng/ul	0.00
58) Fluorene-d10	15.32	176	2037247	24.92	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.43	200	150340	15.10	ng/ul	-0.01
71) Anthracene-d10	17.17	188	3082867	25.46	ng/ul	-0.01
79) Pyrene-d10	19.47	212	3075800	33.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.34	264	2568921	26.77	ng/ul	-0.01

Target Compounds

					Ovalue	
6) Phenol	6.88	94	72927	1.847	ng/ul	96
45) Dimethylphthalate	13.79	163	1192364	12.414	ng/ul	100
50) Acenaphthene	14.39	153	114715	1.432	ng/ul	99
57) Diethylphthalate	15.16	149	205168	2.092	ng/ul	99
59) Fluorene	15.37	166	141589	1.517	ng/ul	99
70) Phenanthrene	17.12	178	2750047	19.514	ng/ul	99
72) Anthracene	17.20	178	586306	4.026	ng/ul	100
75) Carbazole	17.47	167	211037	1.622	ng/ul	98
76) Di-n-butylphthalate	18.06	149	399541	2.581	ng/ul#	97
77) Fluoranthene	19.13	202	4675650	27.897	ng/ul	100
80) Pyrene	19.50	202	4926107	41.664	ng/ul	100
83) Benzo(a)anthracene	21.24	228	2416343	18.895	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.21	149	6049200	92.511	ng/ul#	97
85) Chrysene	21.30	228	2273467	19.146	ng/ul	97
88) Benzo(b)fluoranthene	22.82	252	2372584	20.669	ng/ul#	97
89) Benzo(k)fluoranthene	22.86	252	843326m	7.651	ng/ul	
91) Benzo(a)pyrene	23.38	252	1875992	17.034	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.70	276	1160797	8.860	ng/ul	99
93) Dibenzo(a,h)anthracene	25.71	278	330765	3.019	ng/ul#	96
94) Benzo(g,h,i)perylene	26.38	276	1159695	10.751	ng/ul	99

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



#6

Phenol

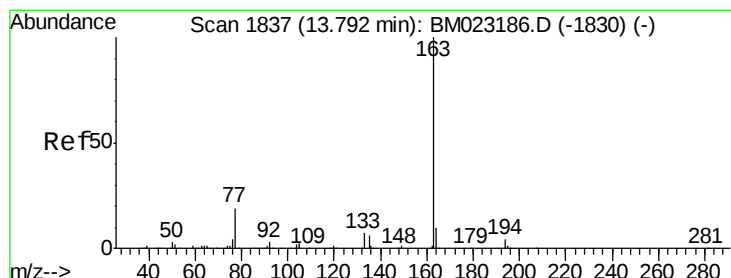
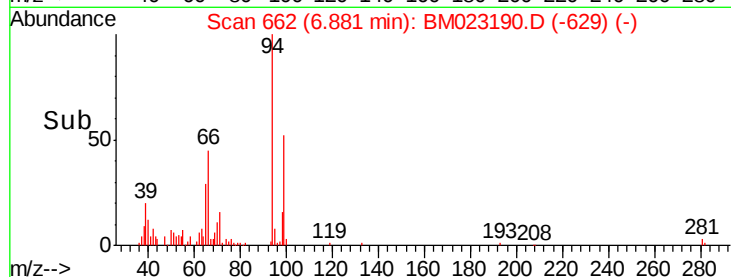
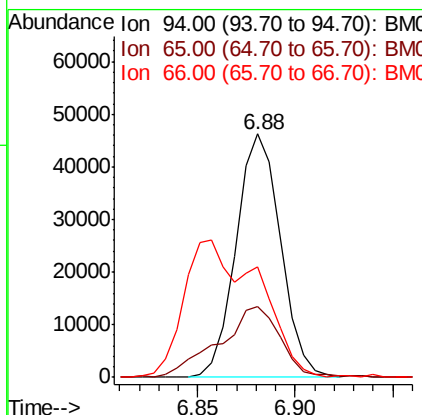
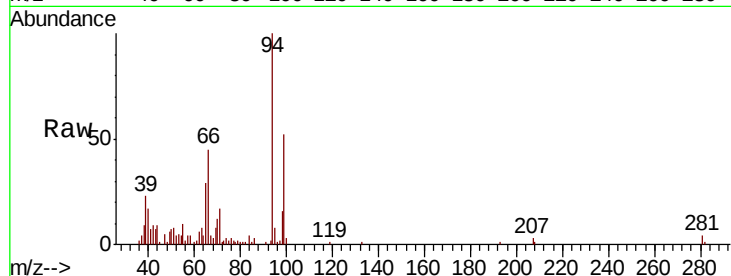
Concen: 1.847 ng/ul
 RT: 6.88 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BM023190.D
 Acq: 16 Oct 2019 12:33

Instrument :
 BNA_M
 ClientSampled :
 BEP73

Tot Ion	Ratio	Lower	Upper
94	100		
65	29.0	23.7	35.5
66	45.4	32.9	49.3

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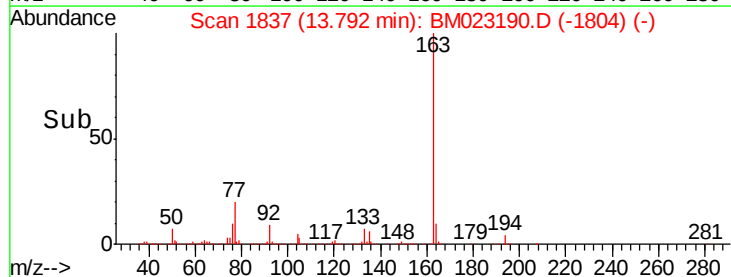
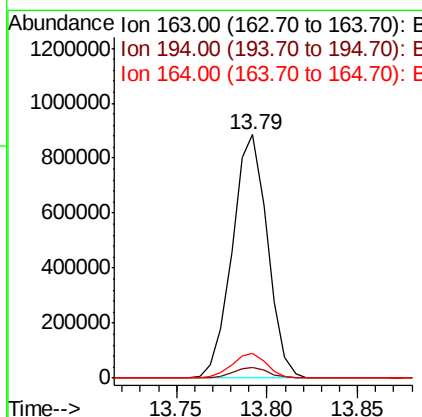
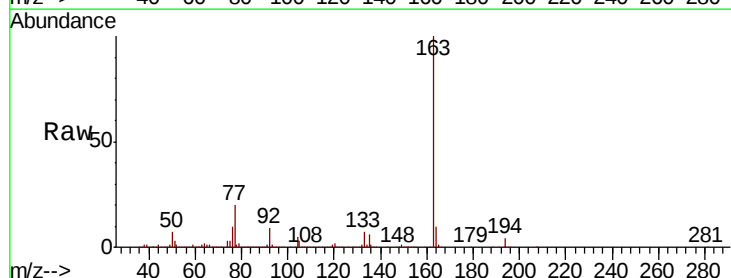


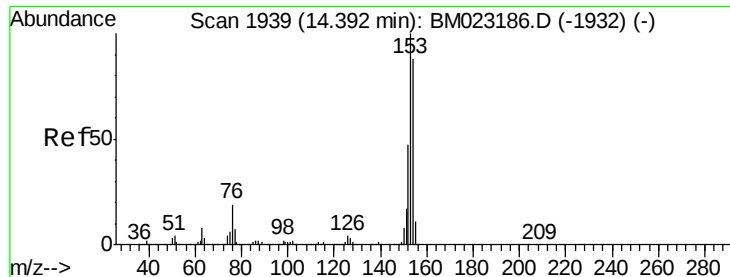
#45

Dimethylphthalate

Concen: 12.414 ng/ul
 RT: 13.79 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BM023190.D
 Acq: 16 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.0	12.0





#50

Acenaphthene

Concen: 1.432 ng/ul

RT: 14.39 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM023190.D

Acq: 16 Oct 2019 12:33

Instrument :

BNA_M

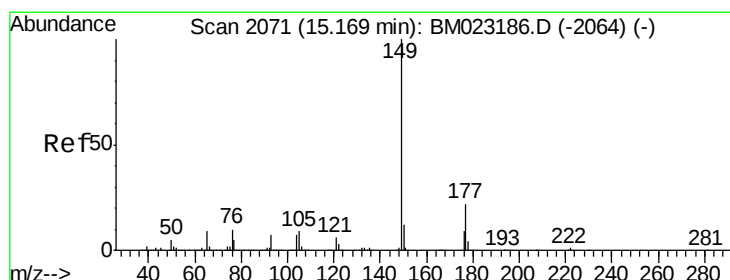
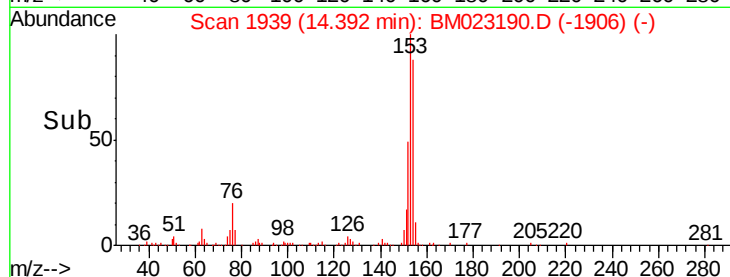
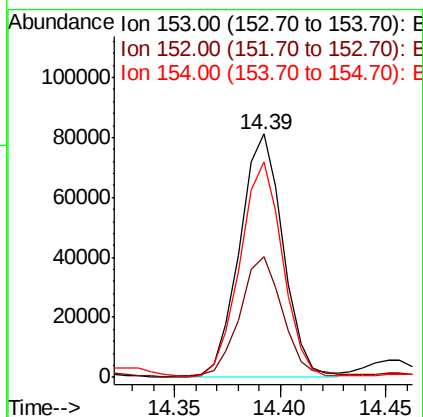
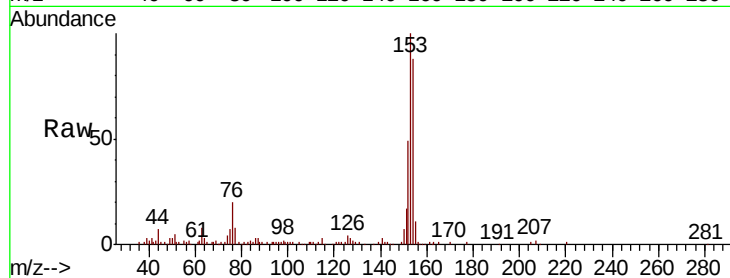
ClientSampleID :

BEP73

Tot Ion:	153	Resp:	114715
Ion Ratio	Lower	Upper	
153	100		
152	49.5	38.0	57.0
154	88.4	70.4	105.6

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#57

Diethylphthalate

Concen: 2.092 ng/ul

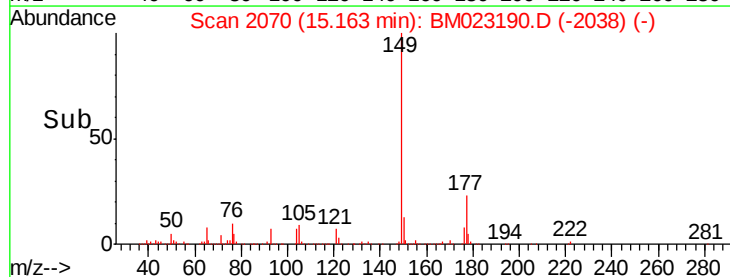
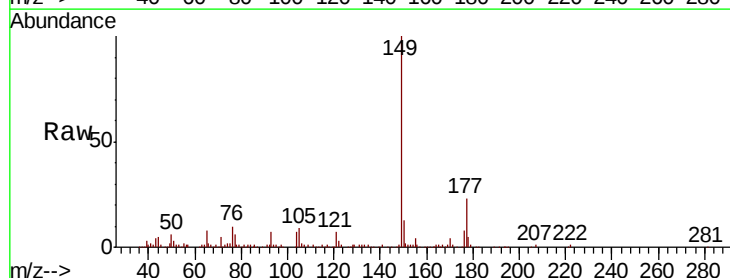
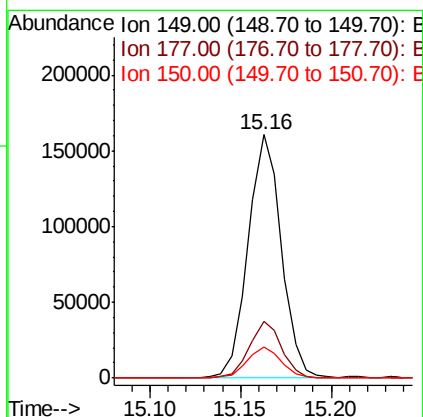
RT: 15.16 min Scan# 2070

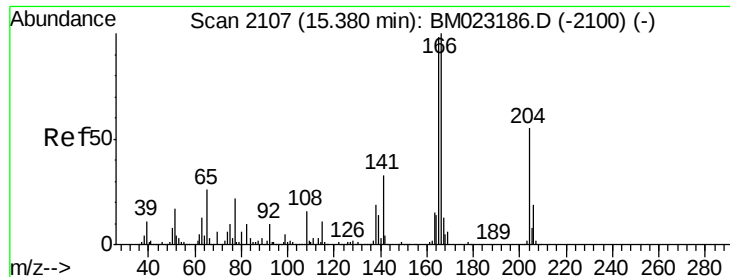
Delta R.T. -0.01 min

Lab File: BM023190.D

Acq: 16 Oct 2019 12:33

Tgt Ion:	149	Resp:	205168
Ion Ratio	Lower	Upper	
149	100		
177	23.1	17.8	26.8
150	12.8	9.9	14.9





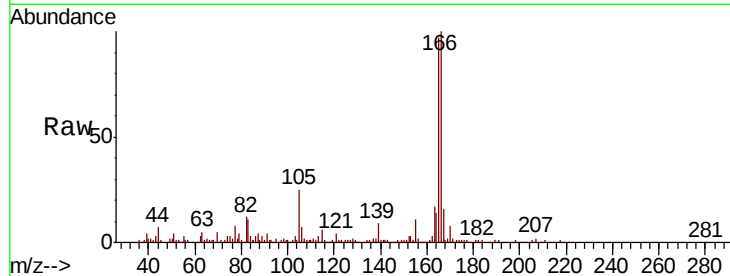
#59
Fluorene
Concen: 1.517 ng/ul
RT: 15.37 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BM023190.D
Acq: 16 Oct 2019 12:33

Instrument :
BNA_M
ClientSampleID :
BEP73

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.4	116.0
167	15.7	10.8	16.2

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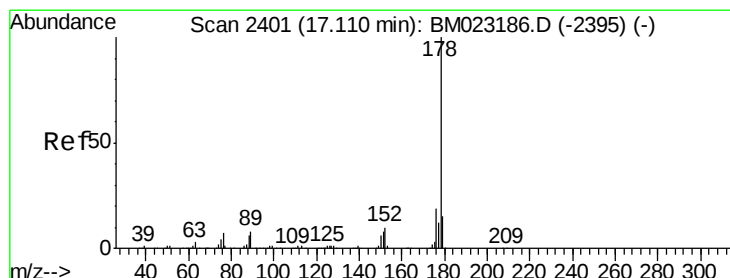
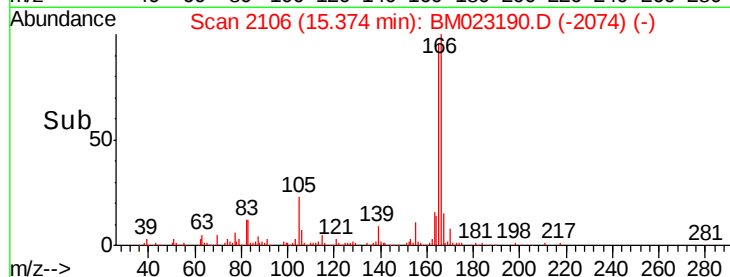
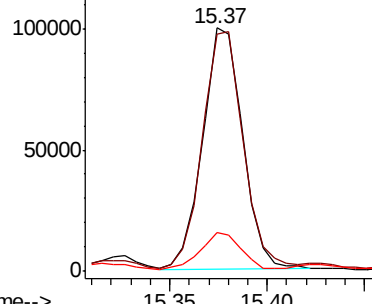


Abundance

Ion 166.00 (165.70 to 166.70): E

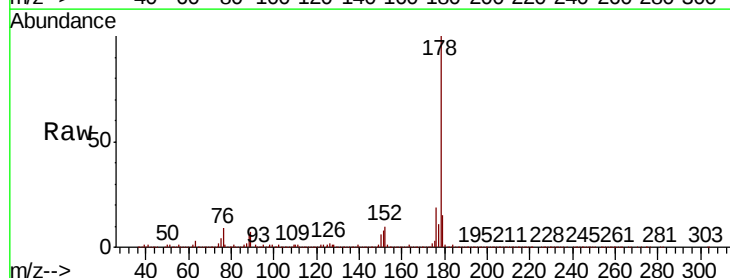
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70
Phenanthrene
Concen: 19.514 ng/ul
RT: 17.12 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BM023190.D
Acq: 16 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	19.1	15.5	23.3

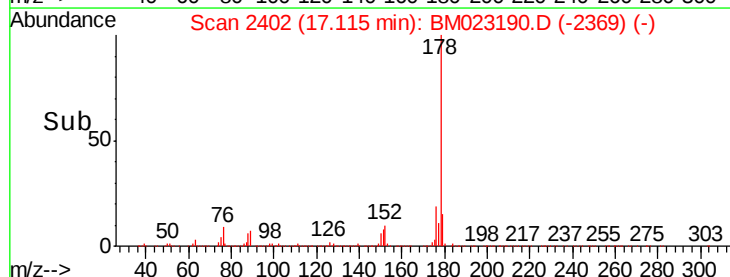
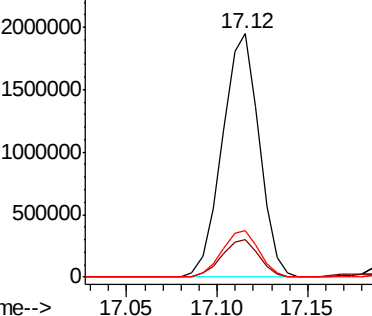


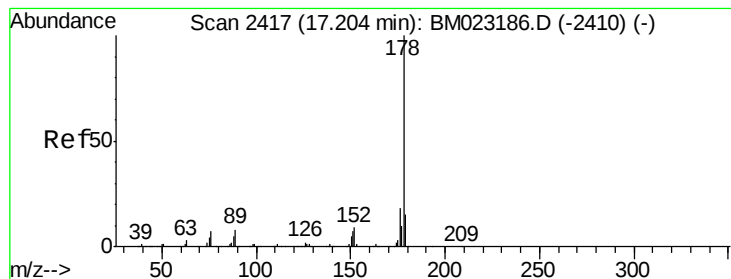
Abundance

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





#72

Anthracene

Concen: 4.026 ng/ul

RT: 17.20 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM023190.D

Acq: 16 Oct 2019 12:33

Instrument :

BNA_M

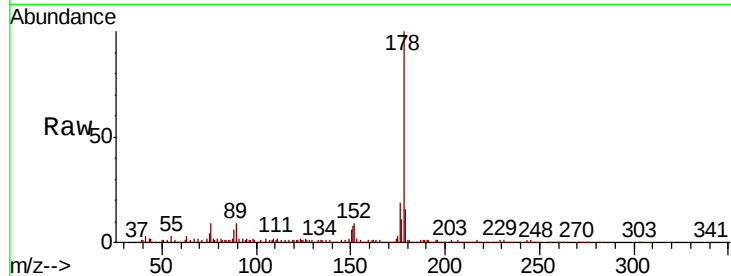
ClientSampleId :

BEP73

Tot Ion:	178	Resp:	586306
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.3	18.5
176	18.8	15.0	22.4

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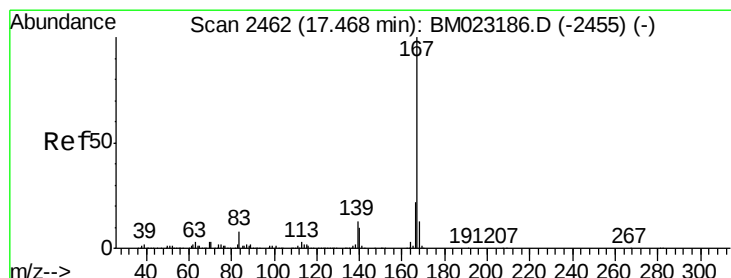
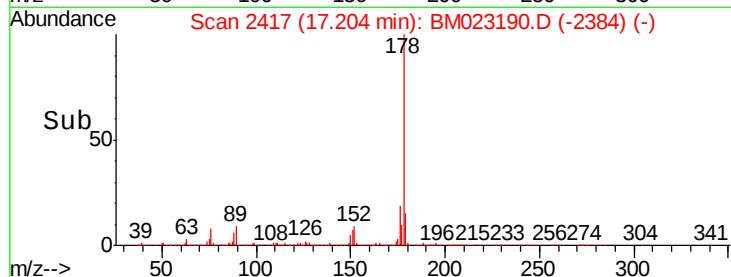
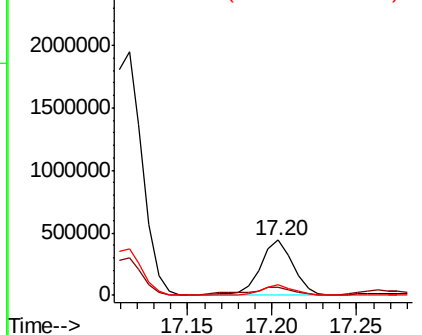


Abundance

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



#75

Carbazole

Concen: 1.622 ng/ul

RT: 17.47 min Scan# 2462

Delta R.T. -0.01 min

Lab File: BM023190.D

Acq: 16 Oct 2019 12:33

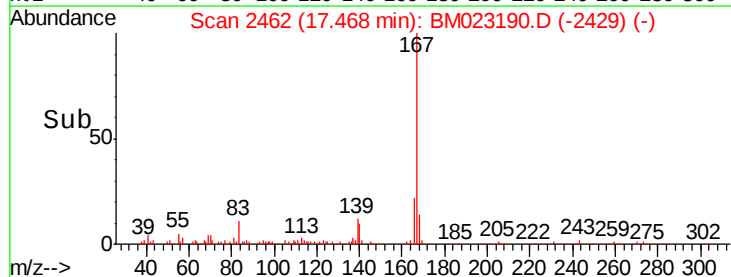
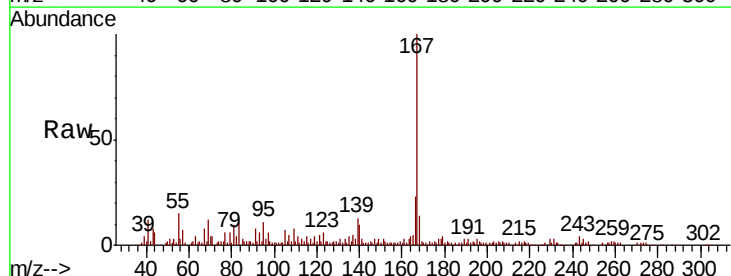
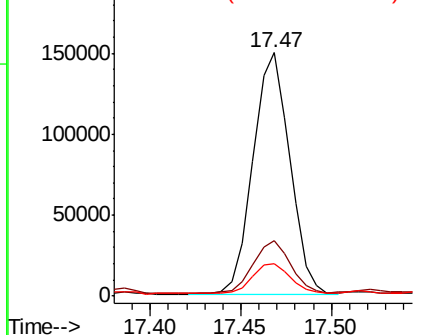
Tgt Ion:	167	Resp:	211037
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.4	26.0
139	13.4	10.2	15.2

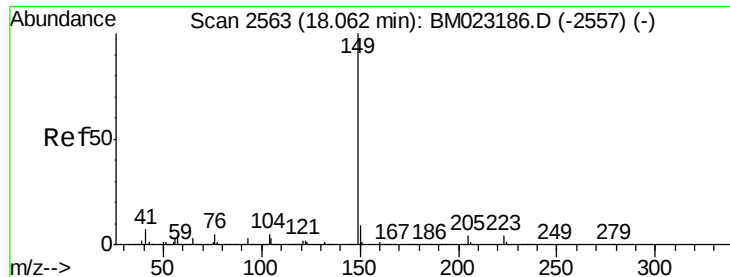
Abundance

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





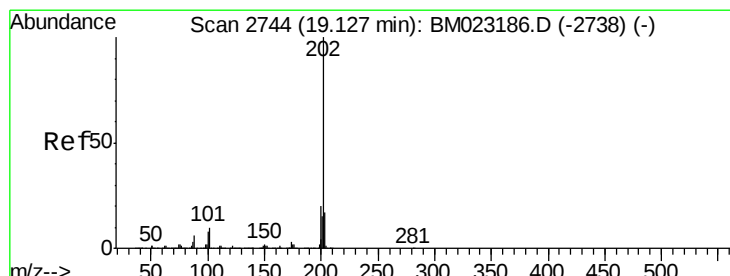
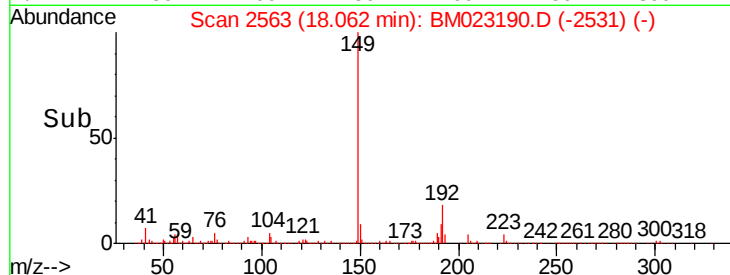
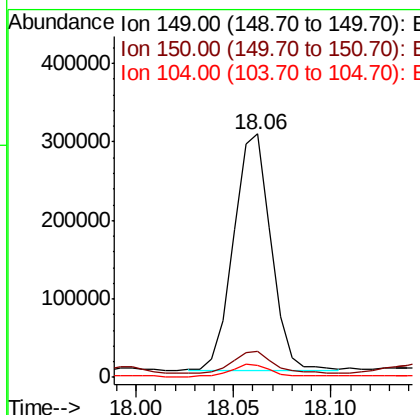
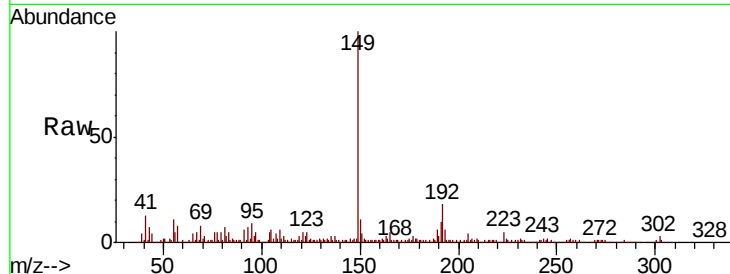
#76
Di-n-butylphthalate
Concen: 2.581 ng/ul
RT: 18.06 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BM023190.D
Acq: 16 Oct 2019 12:33

Instrument :
BNA_M
ClientSampleId :
BEP73

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	10.6	7.0	10.4	
104	5.1	4.0	6.0	

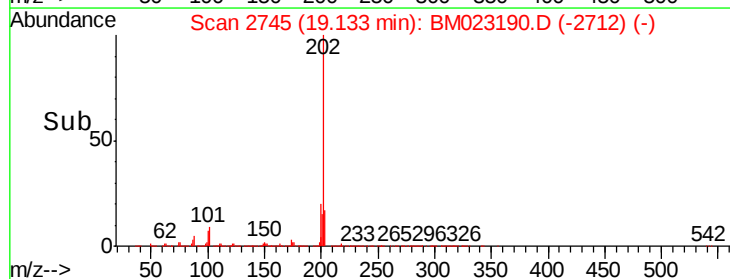
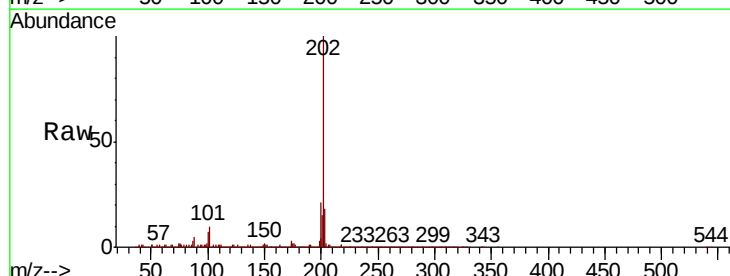
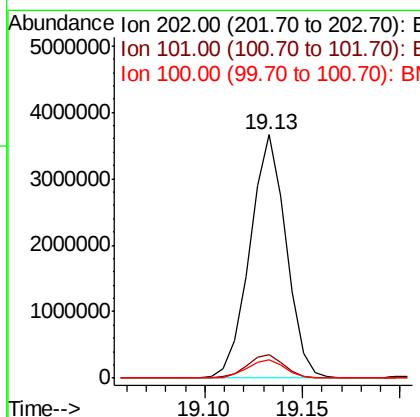
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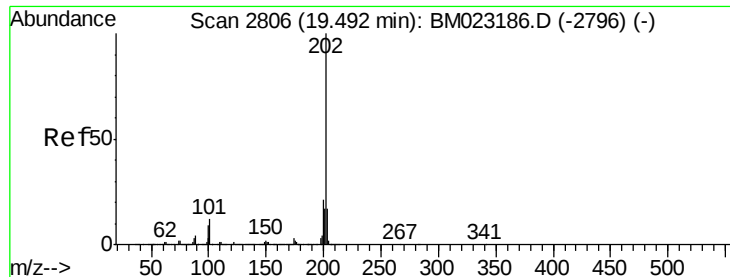
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#77
Fluoranthene
Concen: 27.897 ng/ul
RT: 19.13 min Scan# 2745
Delta R.T. -0.01 min
Lab File: BM023190.D
Acq: 16 Oct 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	9.7	7.8	11.8	
100	7.5	6.1	9.1	





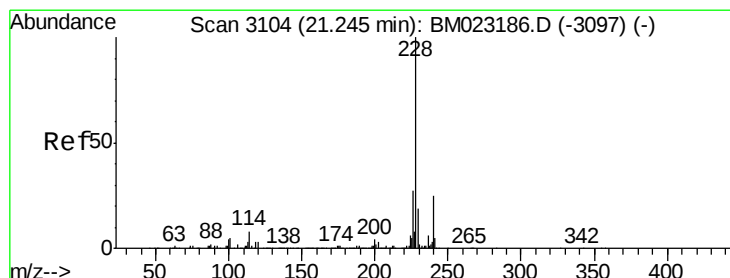
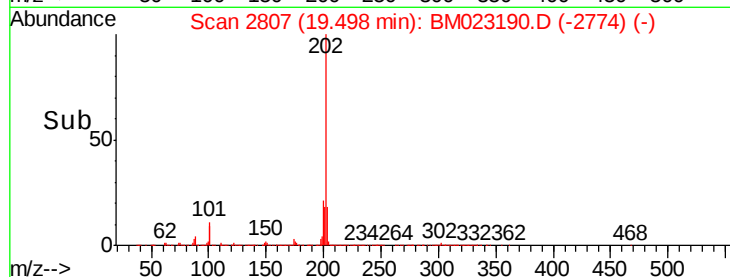
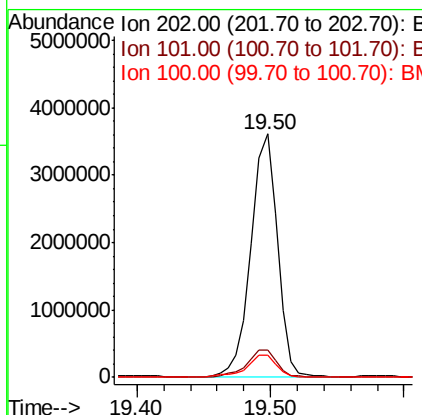
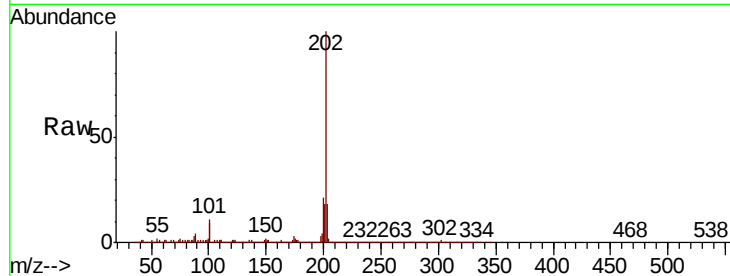
#80
Pvrene
Concen: 41.664 ng/ul
RT: 19.50 min Scan# 2807
Delta R.T. -0.01 min
Lab File: BM023190.D
Acq: 16 Oct 2019 12:33

Instrument :
BNA_M
ClientSampleId :
BEP73

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.1	13.7
100	9.3	7.5	11.3

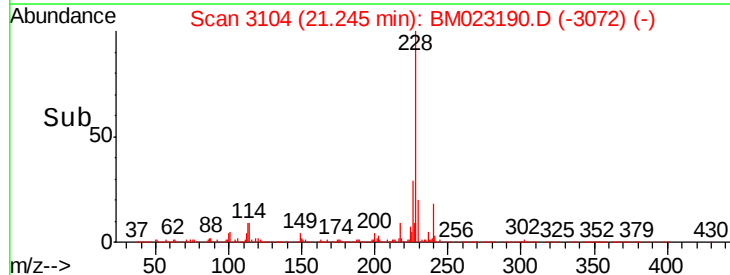
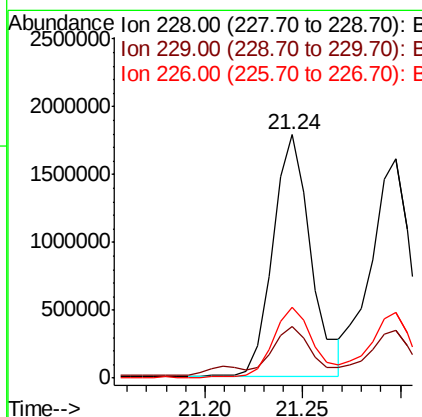
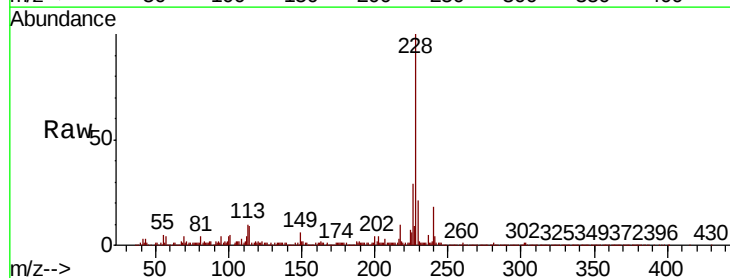
Manual Integrations
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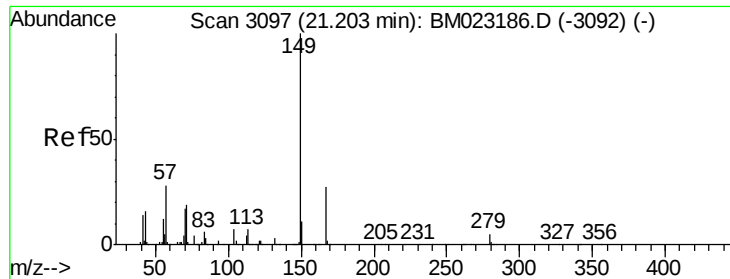
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#83
Benzo(a)anthracene
Concen: 18.895 ng/ul
RT: 21.24 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BM023190.D
Acq: 16 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.7	23.5
226	29.1	21.6	32.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 92.511 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. -0.02 min

Lab File: BM023190.D

Acq: 16 Oct 2019 12:33

Instrument :

BNA_M

ClientSampleId :

BEP73

Tot Ion:149 Resp: 6049200

Ion Ratio Lower Upper

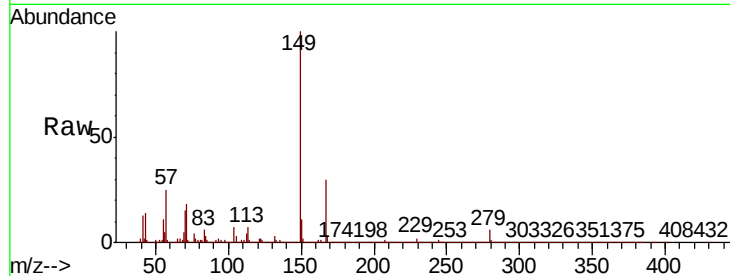
149 100

167 29.8 22.5 33.7

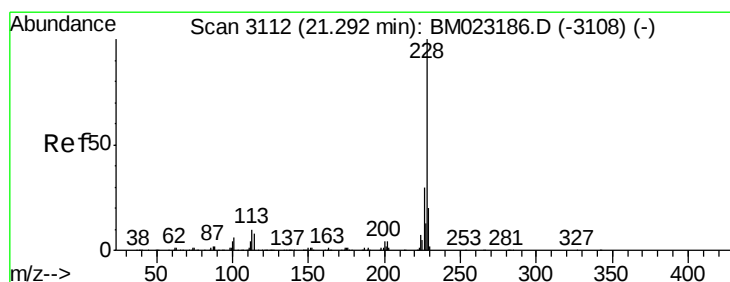
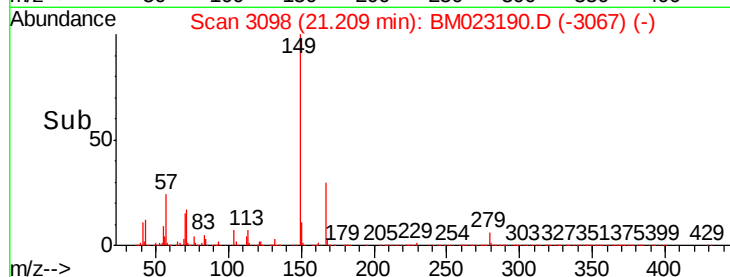
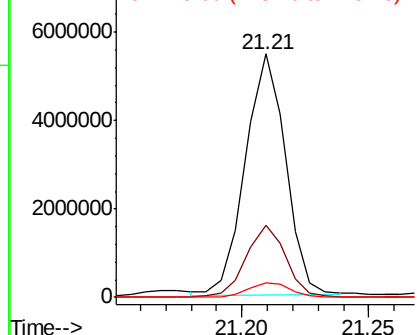
279 6.0 4.0 6.0#

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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



#85

Chrysene

Concen: 19.146 ng/ul

RT: 21.30 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BM023190.D

Acq: 16 Oct 2019 12:33

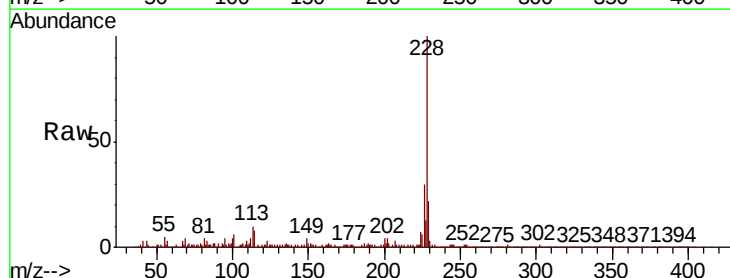
Tgt Ion:228 Resp: 2273467

Ion Ratio Lower Upper

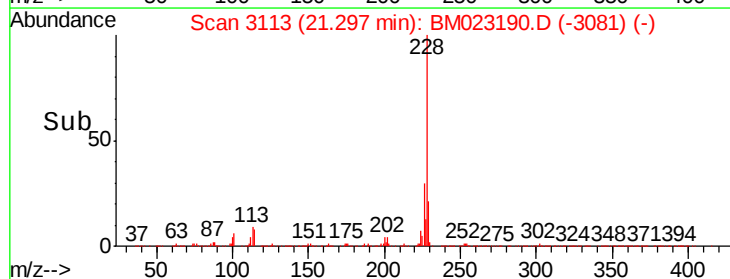
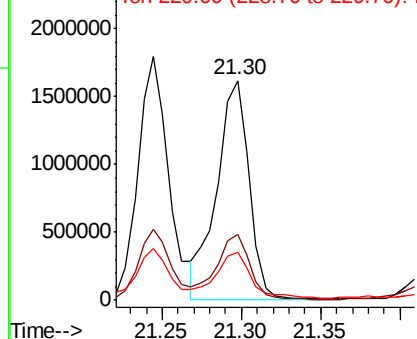
228 100

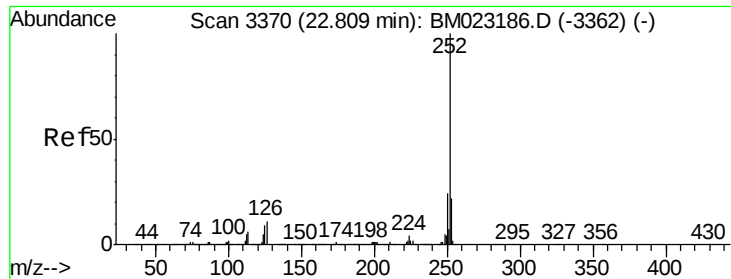
226 30.1 23.8 35.6

229 21.9 15.5 23.3



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





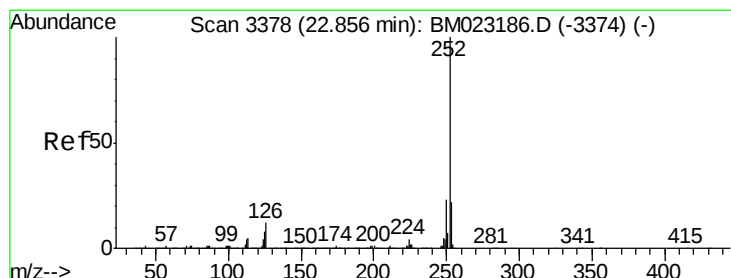
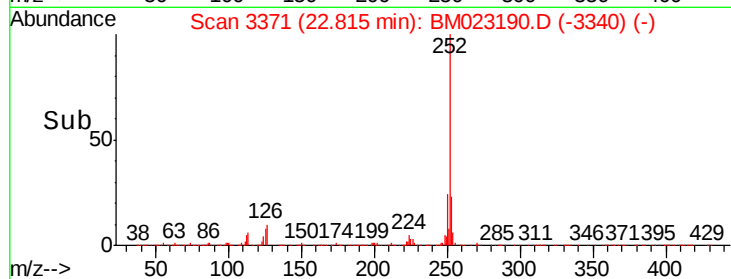
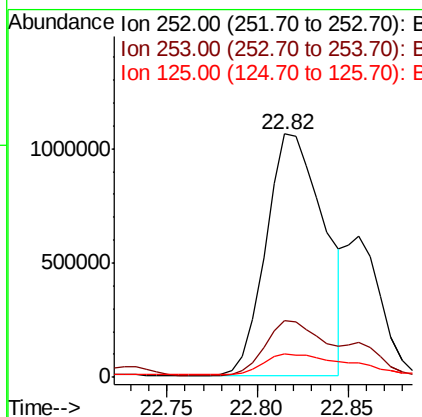
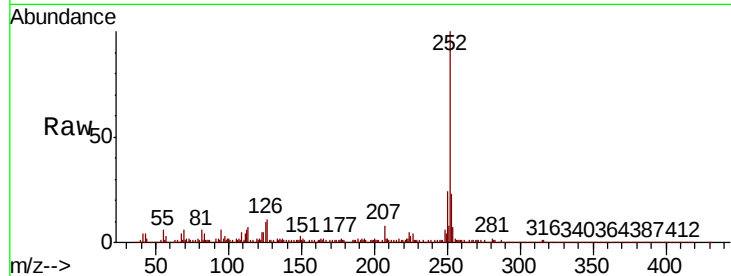
#88
Benzo(b)fluoranthene
Concen: 20.669 ng/ul
RT: 22.82 min Scan# 3371
Delta R.T. -0.02 min
Lab File: BM023190.D
Acq: 16 Oct 2019 12:33

Instrument :
BNA_M
ClientSampleId :
BEP73

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	9.7	6.4	9.6#

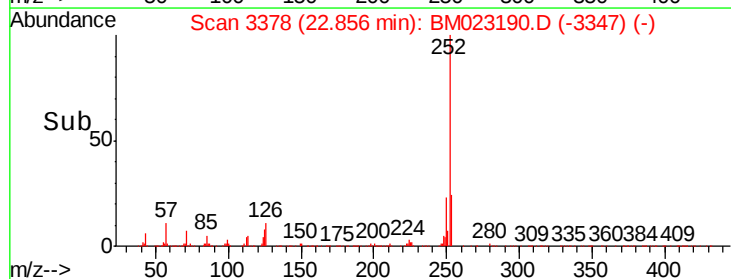
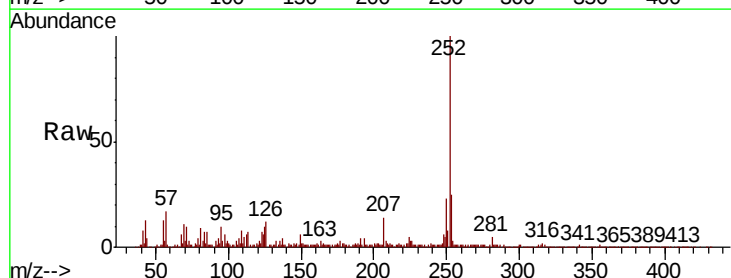
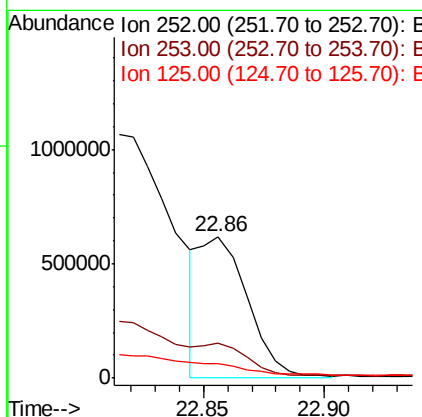
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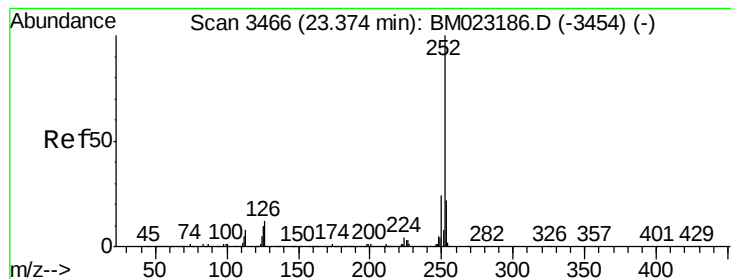
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#89
Benzo(k)fluoranthene
Concen: 7.651 ng/ul m
RT: 22.86 min Scan# 3378
Delta R.T. -0.02 min
Lab File: BM023190.D
Acq: 16 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.0
125	10.3	6.5	9.7#





#91

Benzo(a)pyrene

Concen: 17.034 ng/ul

RT: 23.38 min Scan# 3467

Delta R.T. -0.02 min

Lab File: BM023190.D

Acq: 16 Oct 2019 12:33

Instrument :

BNA_M

ClientSampleId :

BEP73

Tot Ion:252 Resp: 1875992

Ion Ratio Lower Upper

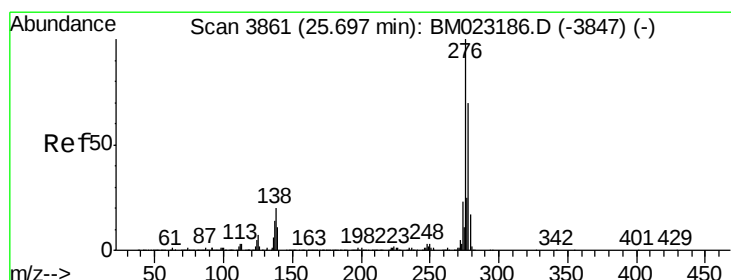
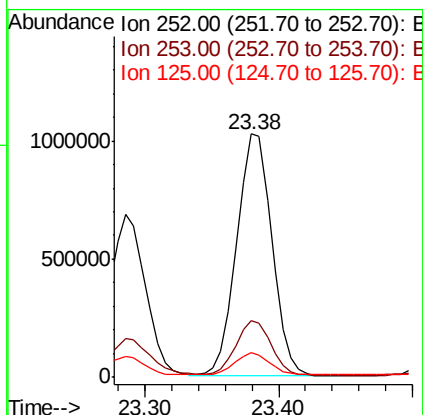
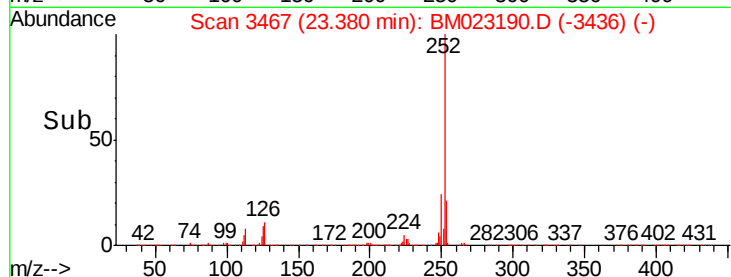
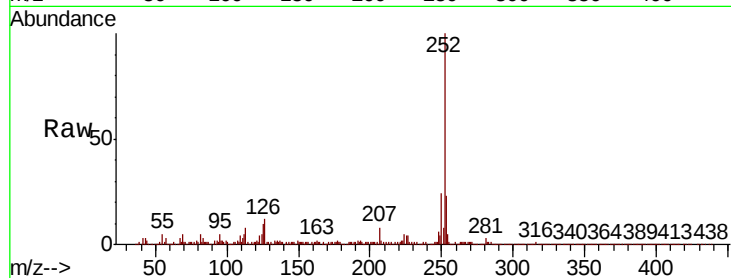
252 100

253 23.3 17.2 25.8

125 10.0 7.4 11.0

Manual Integrations
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#92

Indeno(1,2,3-cd)pyrene

Concen: 8.860 ng/ul

RT: 25.70 min Scan# 3862

Delta R.T. -0.02 min

Lab File: BM023190.D

Acq: 16 Oct 2019 12:33

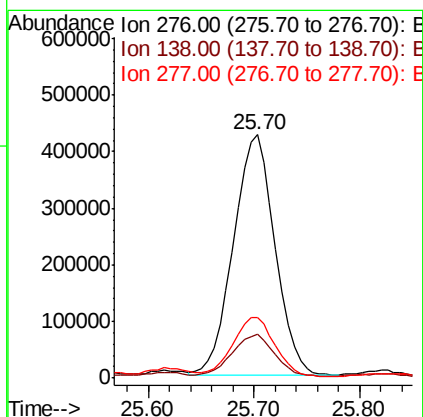
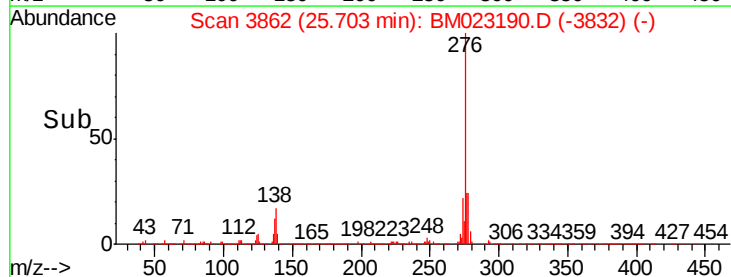
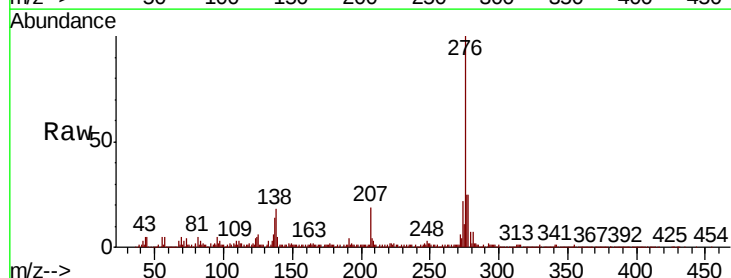
Tgt Ion:276 Resp: 1160797

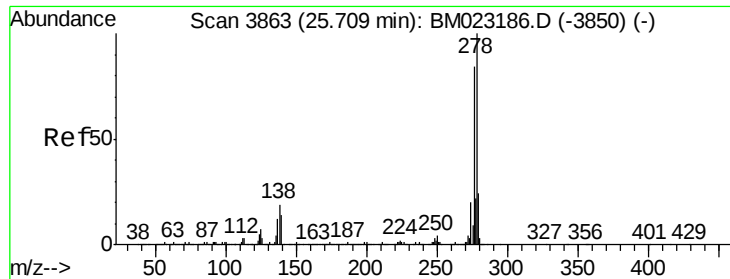
Ion Ratio Lower Upper

276 100

138 17.9 14.9 22.3

277 24.8 19.8 29.8





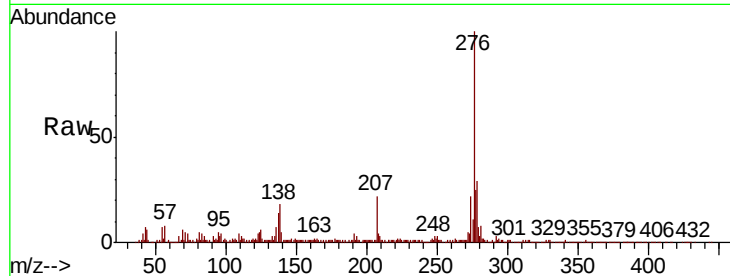
#93
Dibenzo(a,h)anthracene
Concen: 3.019 ng/ul
RT: 25.71 min Scan# 3863
Delta R.T. -0.04 min
Lab File: BM023190.D
Acq: 16 Oct 2019 12:33

Instrument :
BNA_M
ClientSampled :
BEP73

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	10.0	15.0#
279	24.8	19.4	29.0

Manual Integrations
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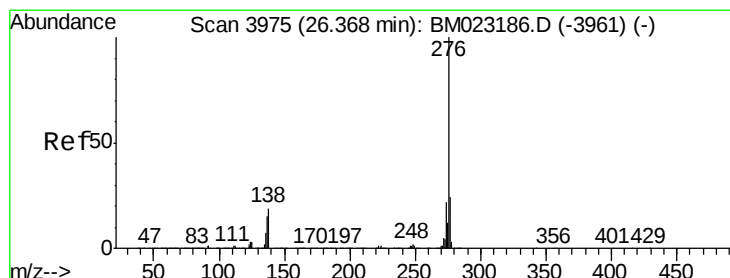
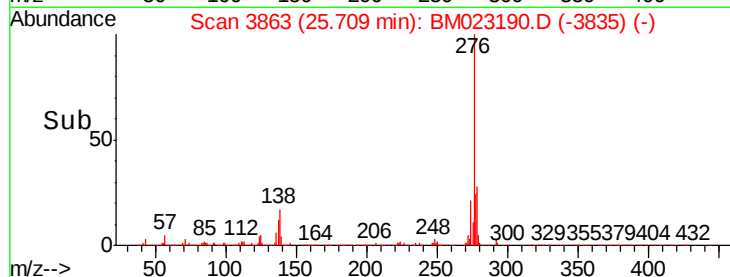
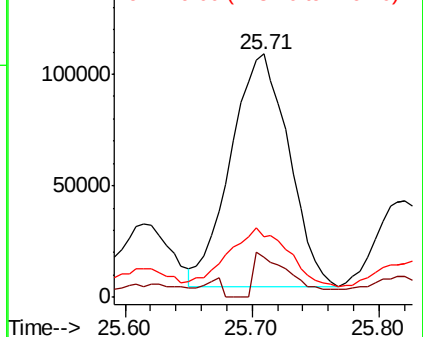


Abundance

Ion 278.00 (277.70 to 278.70): E

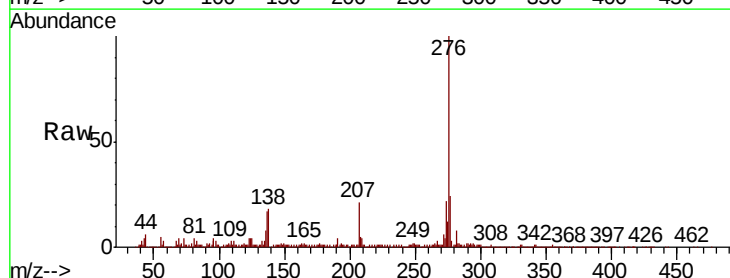
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94
Benzo(g,h,i)perylene
Concen: 10.751 ng/ul
RT: 26.38 min Scan# 3977
Delta R.T. -0.02 min
Lab File: BM023190.D
Acq: 16 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	14.4	21.6
277	24.0	19.4	29.2



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

