

Data File : BM023205.D
Acq On : 16 Oct 2019 23:57
Operator : JU
Sample : K5262-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB72

Quant Time: Oct 17 04:37:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 04:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	459699	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1822785	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	1055385	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1992123	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1887022	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2321750	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	33199	3.18	ng/uL	0.00
5) Phenol-d5	6.83	99	582820	14.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	369962	16.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	509102	16.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	470531	14.63	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	234423	19.01	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	250495	21.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	484488	16.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	332521	9.15	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1415898	17.51	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1671167	17.62	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	151419	11.56	ng/ul	0.00
58) Fluorene-d10	15.30	176	1191042	17.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	101908	12.90	ng/ul	0.00
71) Anthracene-d10	17.15	188	1757909	18.30	ng/ul	0.00
79) Pyrene-d10	19.45	212	1852032	20.27	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2202182	18.71	ng/ul	0.00

Target Compounds

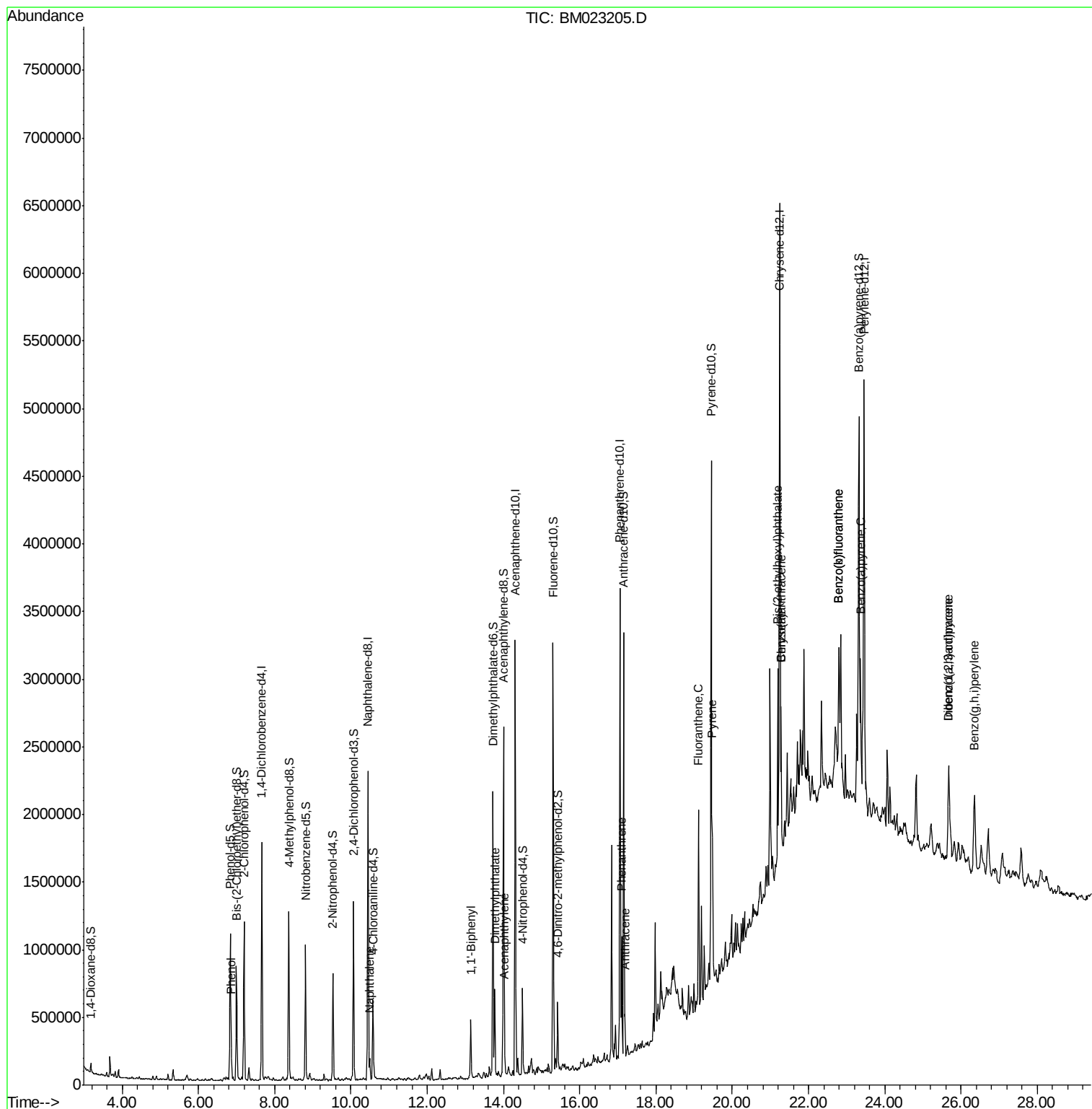
					Qvalue	
6) Phenol	6.86	94	116187	2.814	ng/ul	96
28) Naphthalene	10.49	128	127585	1.354	ng/ul	99
41) 1,1'-Biphenyl	13.14	154	216617	2.698	ng/ul	98
45) Dimethylphthalate	13.77	163	377651	4.665	ng/ul	99
48) Acenaphthylene	14.03	152	173218	1.786	ng/ul	98
70) Phenanthrene	17.10	178	547282	4.895	ng/ul	99
72) Anthracene	17.19	178	177715	1.538	ng/ul	99
77) Fluoranthene	19.12	202	865216	6.507	ng/ul	98
80) Pyrene	19.48	202	893908	7.562	ng/ul	100
83) Benzo(a)anthracene	21.28	228	608977	4.763	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.19	149	518810	7.936	ng/ul	99
85) Chrysene	21.28	228	610934	5.146	ng/ul	97
88) Benzo(b)fluoranthene	22.80	252	889616	6.320	ng/ul#	96
89) Benzo(k)fluoranthene	22.80	252	889616	6.582	ng/ul#	96
91) Benzo(a)pyrene	23.36	252	786605	5.824	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.67	276	601191	3.742	ng/ul	99
93) Dibenzo(a,h)anthracene	25.68	278	178680	1.330	ng/ul#	84
94) Benzo(g,h,i)perylene	26.36	276	649834	4.912	ng/ul	99

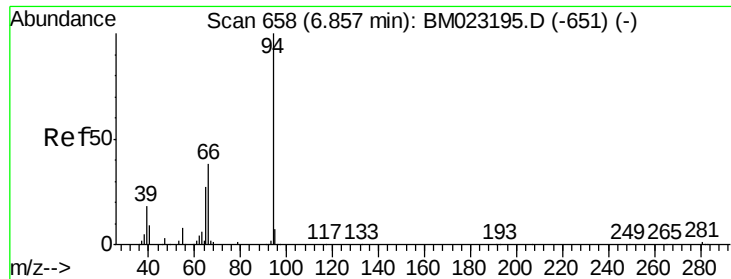
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.814 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

Instrument :

BNA_M

ClientSampleId :

BFB72

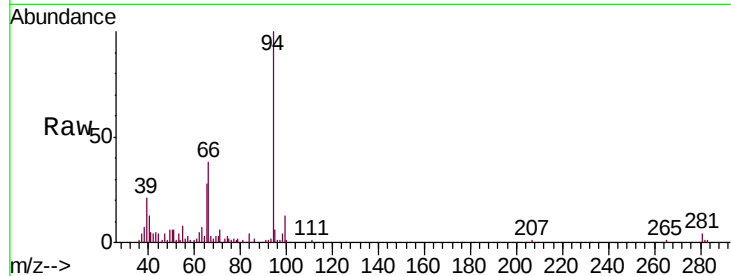
Tgt Ion: 94 Resp: 116187

Ion Ratio Lower Upper

94 100

65 28.4 23.7 35.5

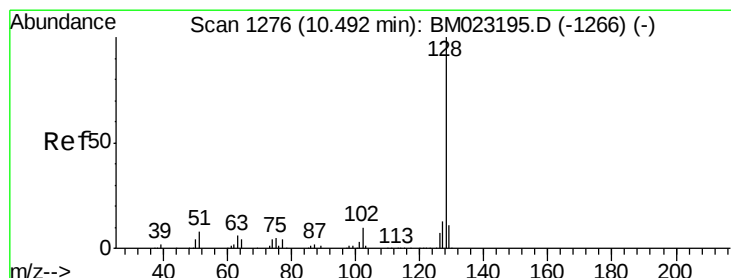
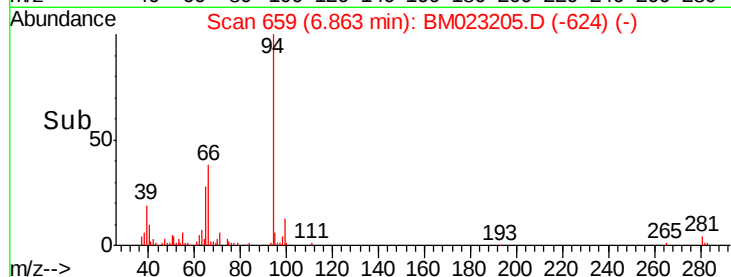
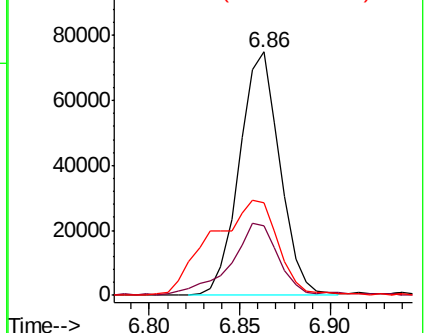
66 37.8 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023195.D (-651) (-)

Ion 65.00 (64.70 to 65.70): BM023195.D (-651) (-)

Ion 66.00 (65.70 to 66.70): BM023195.D (-651) (-)



#28

Naphthalene

Concen: 1.354 ng/ul

RT: 10.49 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

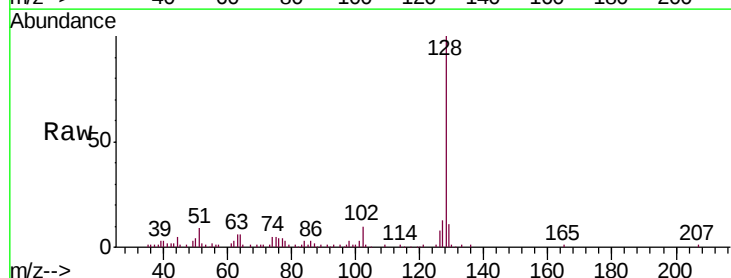
Tgt Ion: 128 Resp: 127585

Ion Ratio Lower Upper

128 100

129 11.3 8.3 12.5

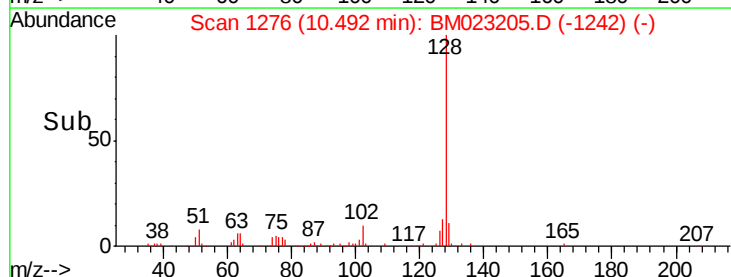
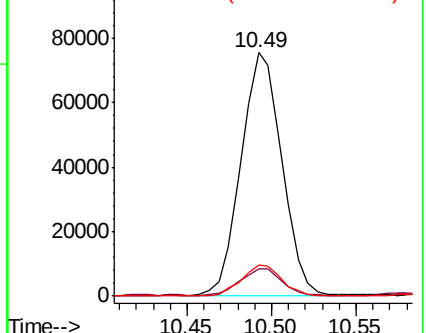
127 13.0 10.2 15.4

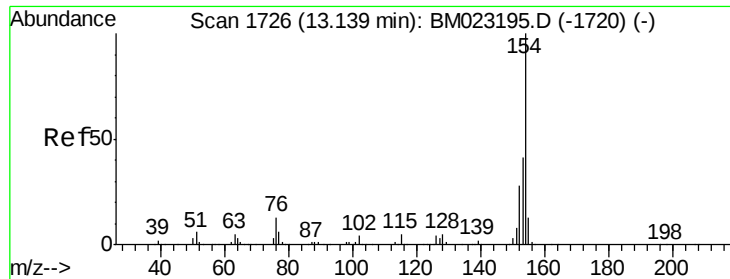


Abundance Ion 128.00 (127.70 to 128.70): BM023195.D (-1266) (-)

Ion 129.00 (128.70 to 129.70): BM023195.D (-1266) (-)

Ion 127.00 (126.70 to 127.70): BM023195.D (-1266) (-)

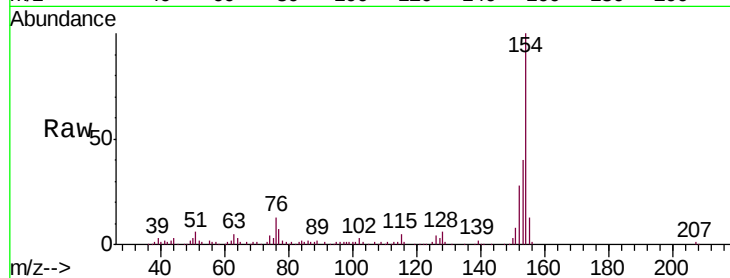




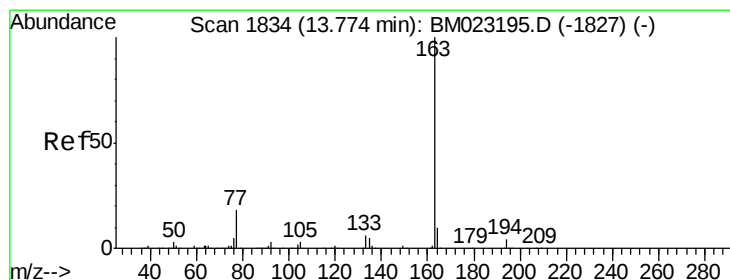
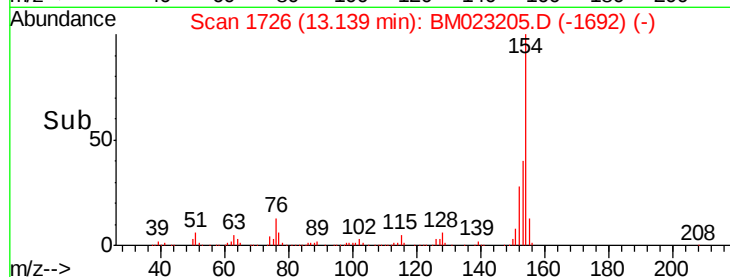
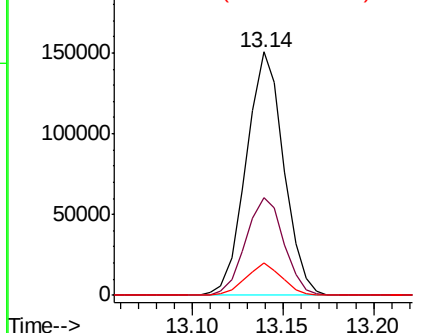
#41
 1,1'-Biphenyl
 Concen: 2.698 ng/ul
 RT: 13.14 min Scan# 1726
 Delta R.T. -0.00 min
 Lab File: BM023205.D
 Acq: 16 Oct 2019 23:57

Instrument :
 BNA_M
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 BFB72

Tgt Ion:	154	Resp:	216617
Ion	Ratio	Lower	Upper
154	100		
153	40.1	33.1	49.7
76	13.3	10.6	15.8

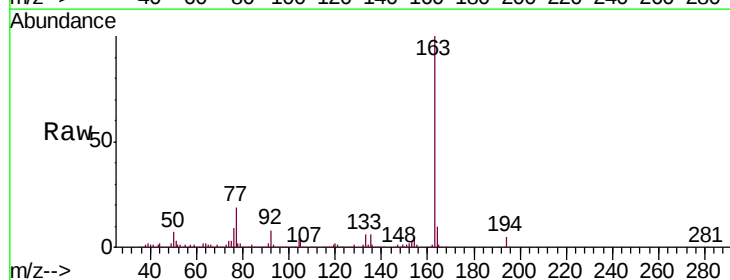


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

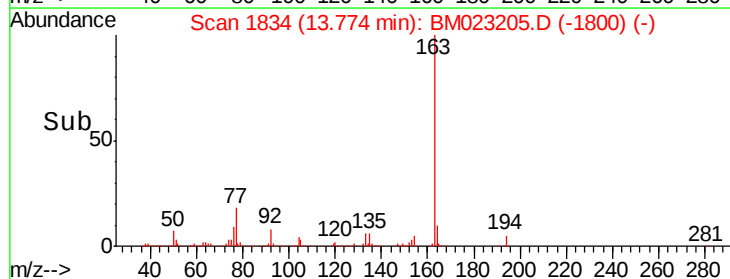
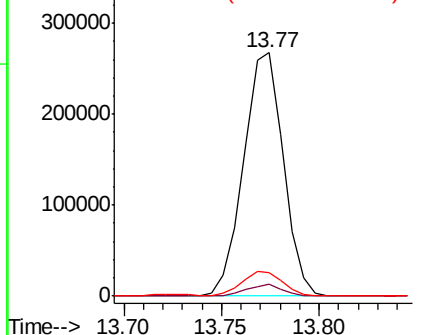


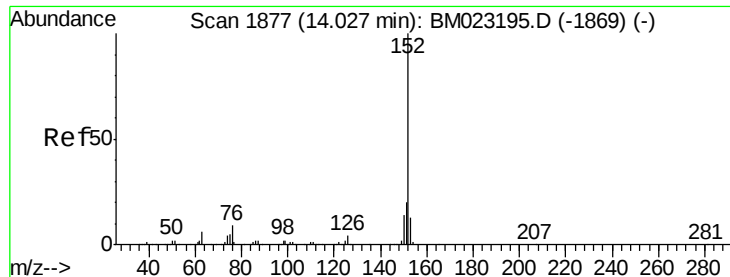
#45
 Dimethylphthalate
 Concen: 4.665 ng/ul
 RT: 13.77 min Scan# 1834
 Delta R.T. -0.00 min
 Lab File: BM023205.D
 Acq: 16 Oct 2019 23:57

Tgt Ion:	163	Resp:	377651
Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	9.7	8.0	12.0



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





#48

Acenaphthylene

Concen: 1.786 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

Instrument :

BNA_M

ClientSampleId :

BFB72

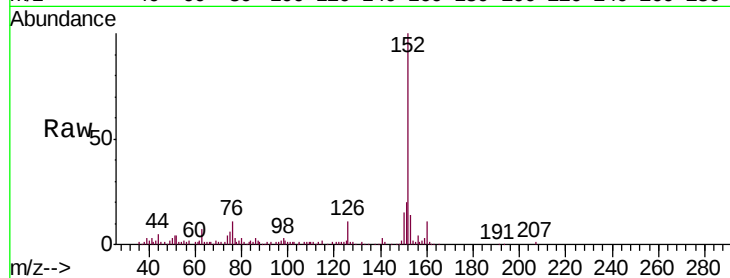
Tgt Ion:152 Resp: 173218

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

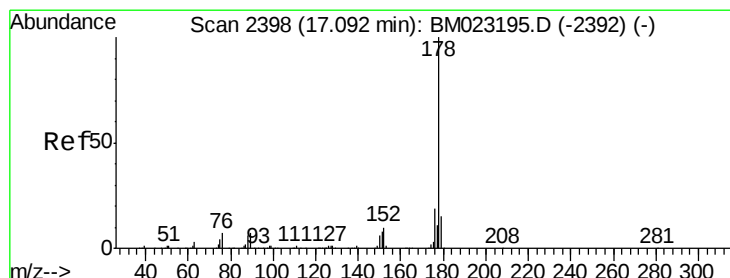
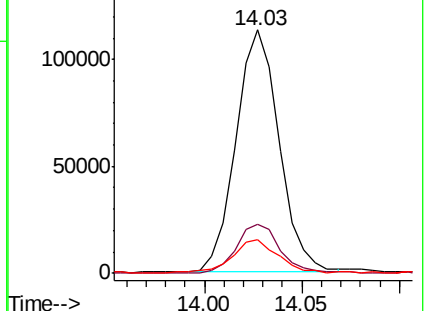
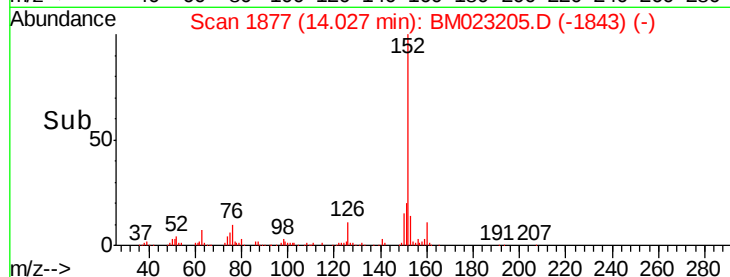
153 14.1 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#70

Phenanthrene

Concen: 4.895 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

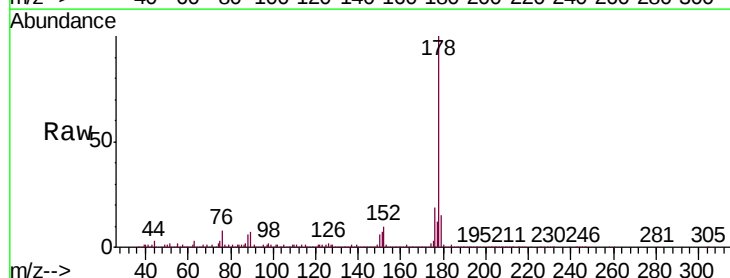
Tgt Ion:178 Resp: 547282

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

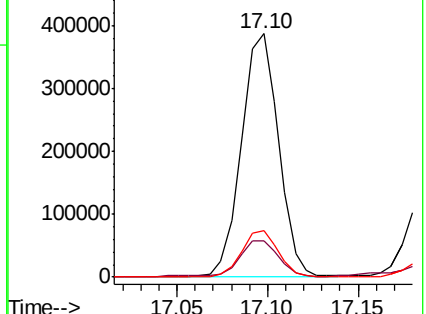
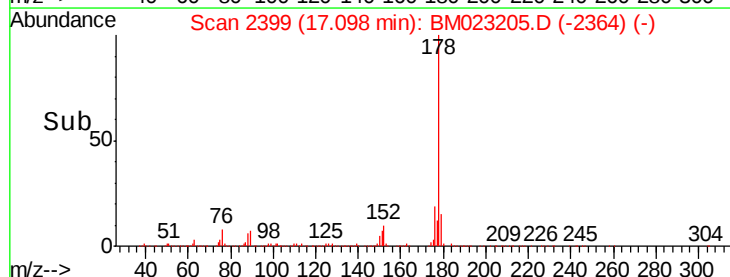
176 19.1 15.5 23.3

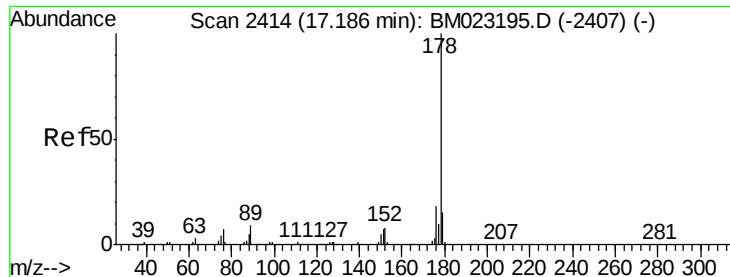


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

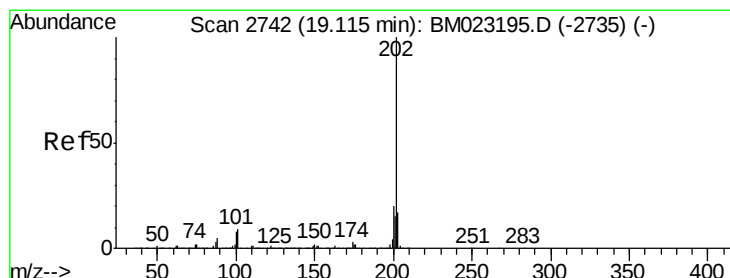
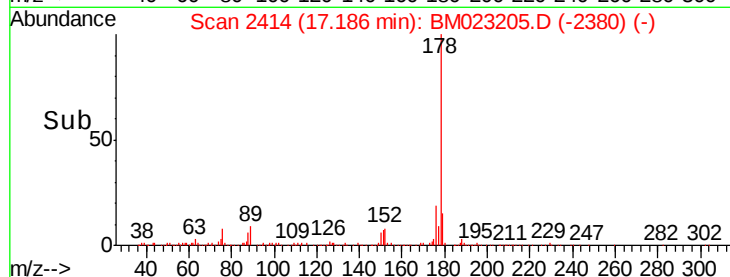
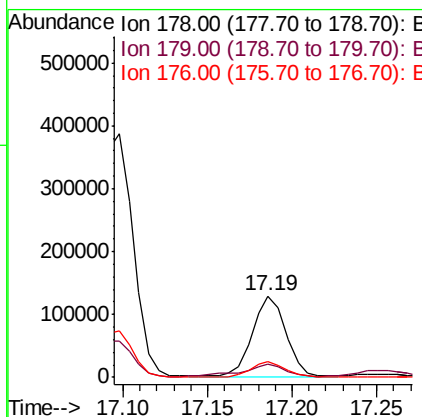
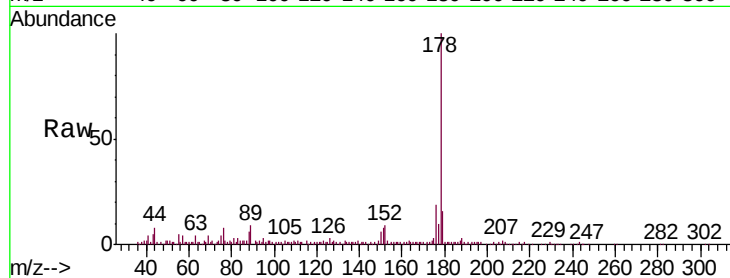




#72
 Anthracene
 Concen: 1.538 ng/ul
 RT: 17.19 min Scan# 2414
 Delta R.T. -0.00 min
 Lab File: BM023205.D
 Acq: 16 Oct 2019 23:57

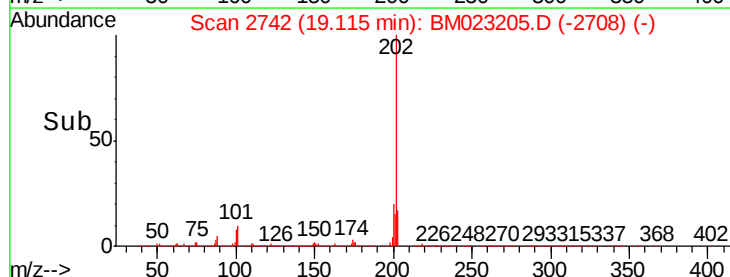
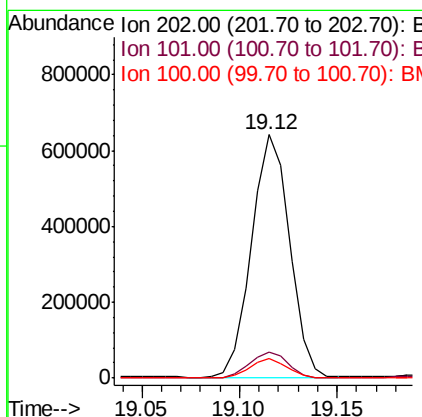
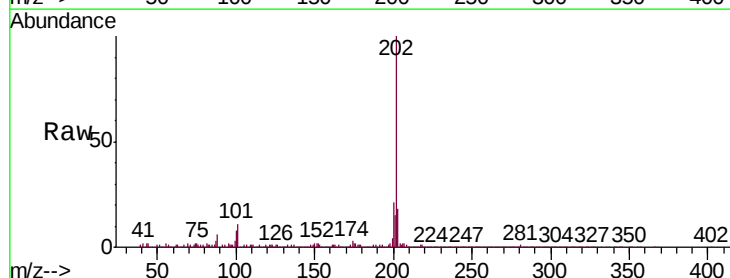
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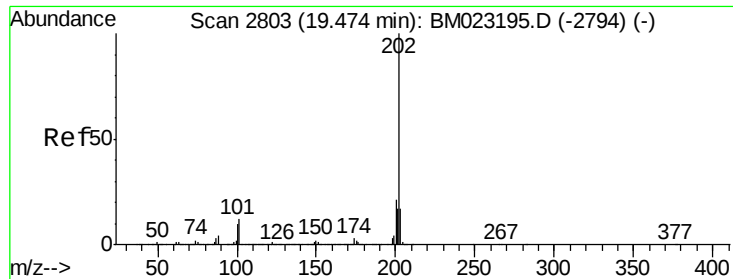
Tgt Ion:178 Resp: 177715
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.3 18.5
 176 19.2 15.0 22.4



#77
 Fluoranthene
 Concen: 6.507 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. -0.00 min
 Lab File: BM023205.D
 Acq: 16 Oct 2019 23:57

Tgt Ion:202 Resp: 865216
 Ion Ratio Lower Upper
 202 100
 101 10.7 7.8 11.8
 100 8.0 6.1 9.1

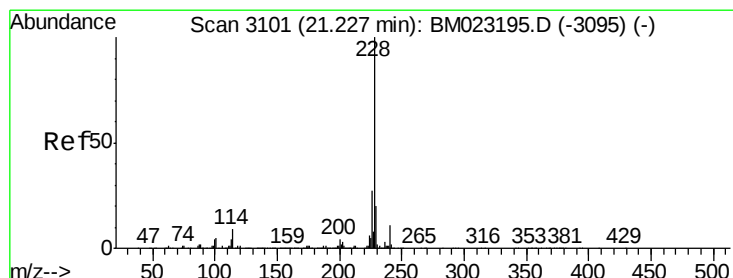
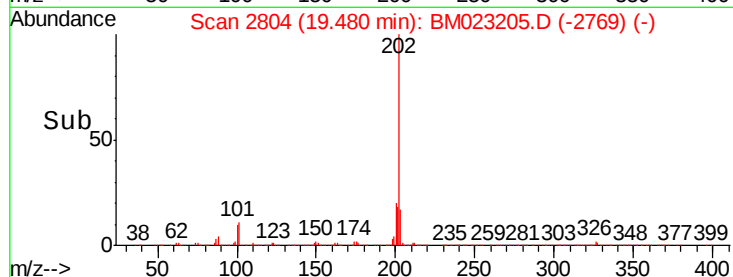
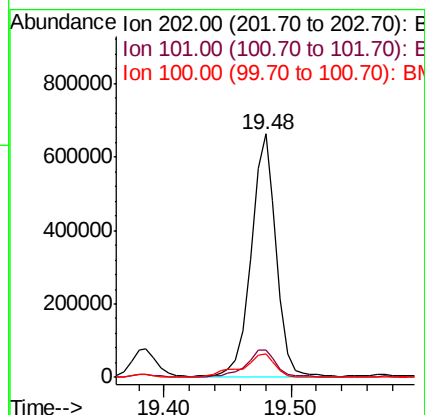
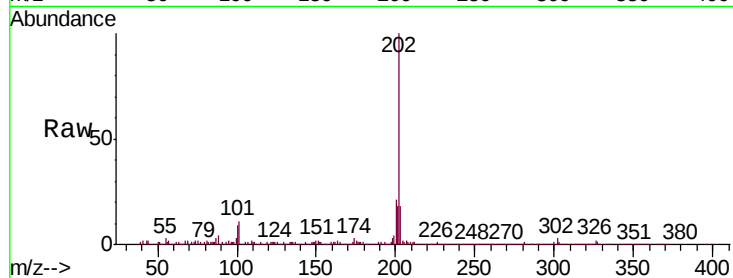




#80
 Pyrene
 Concen: 7.562 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023205.D
 Acq: 16 Oct 2019 23:57

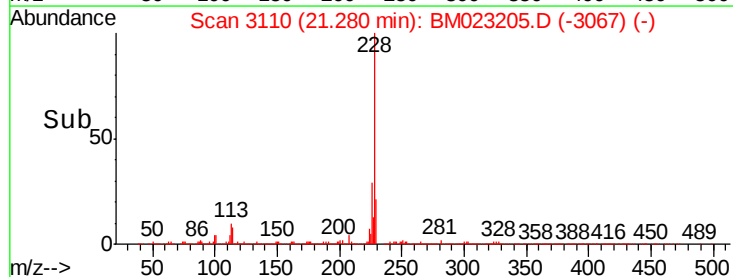
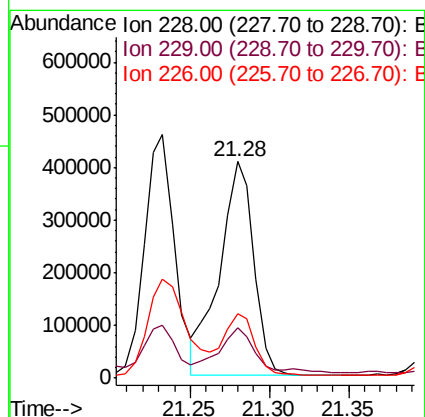
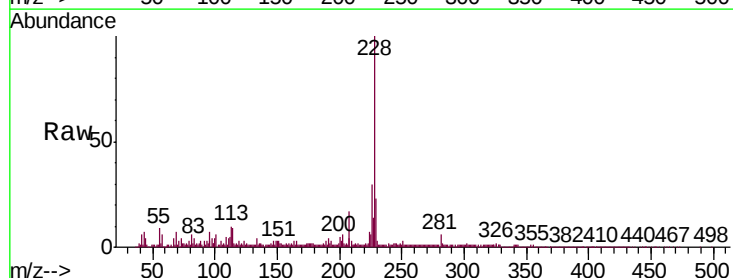
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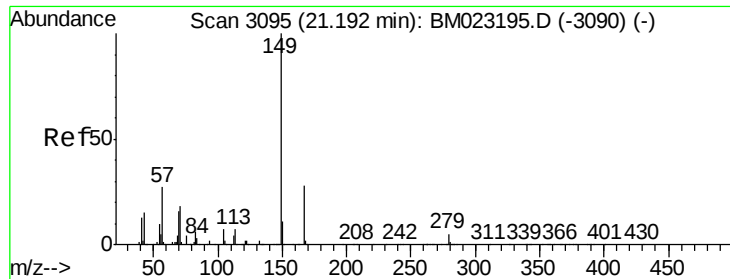
Tgt Ion:	202	Resp:	893908
Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.1	13.7
100	9.4	7.5	11.3



#83
 Benzo(a)anthracene
 Concen: 4.763 ng/ul
 RT: 21.28 min Scan# 3110
 Delta R.T. 0.05 min
 Lab File: BM023205.D
 Acq: 16 Oct 2019 23:57

Tgt Ion:	228	Resp:	608977
Ion	Ratio	Lower	Upper
228	100		
229	23.1	15.7	23.5
226	29.9	21.6	32.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.936 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

Instrument :

BNA_M

ClientSampleId :

BFB72

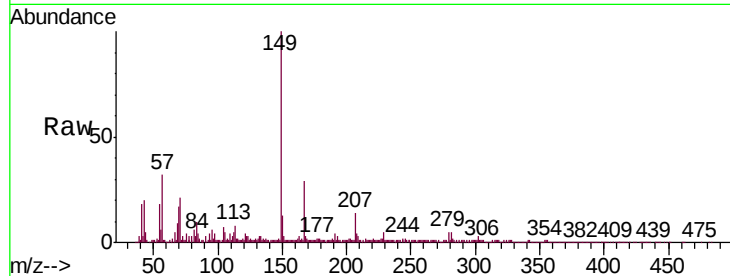
Tgt Ion:149 Resp: 518810

Ion Ratio Lower Upper

149 100

167 28.6 22.5 33.7

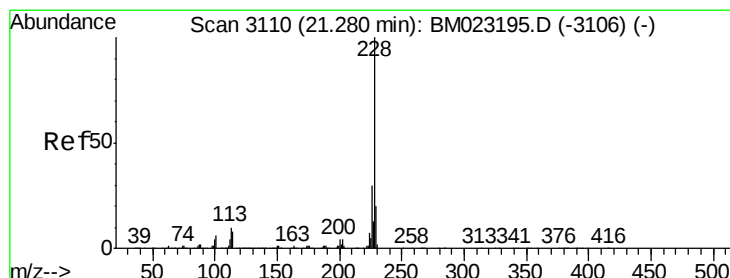
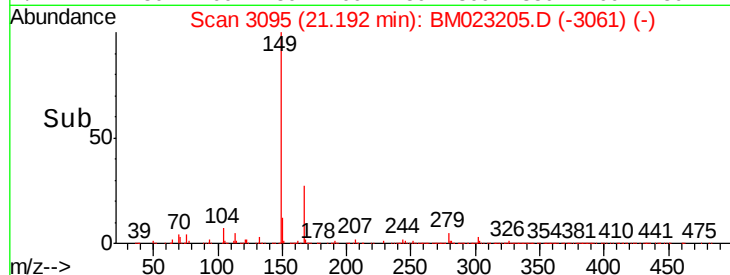
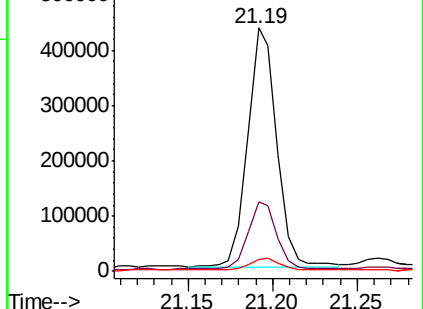
279 5.1 4.0 6.0



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: 5.146 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

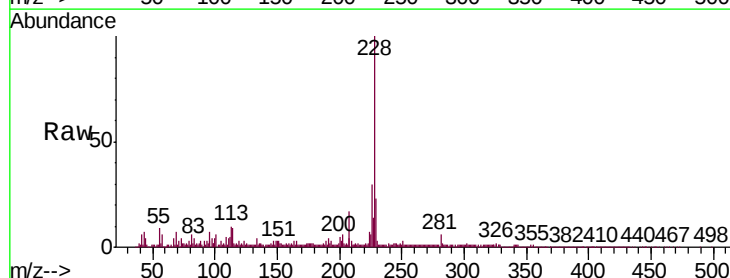
Tgt Ion:228 Resp: 610934

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

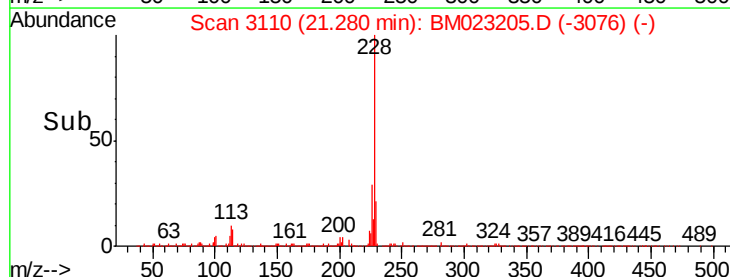
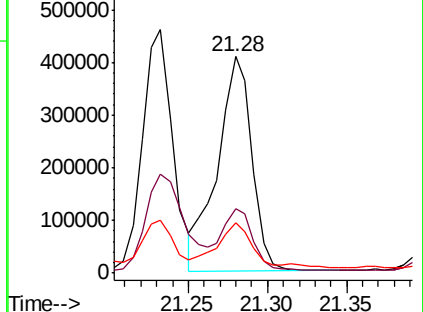
229 23.1 15.5 23.3

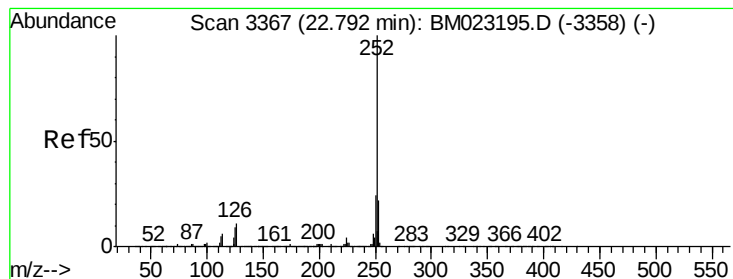


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 6.320 ng/u1

RT: 22.80 min Scan# 3368

Delta R.T. 0.01 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

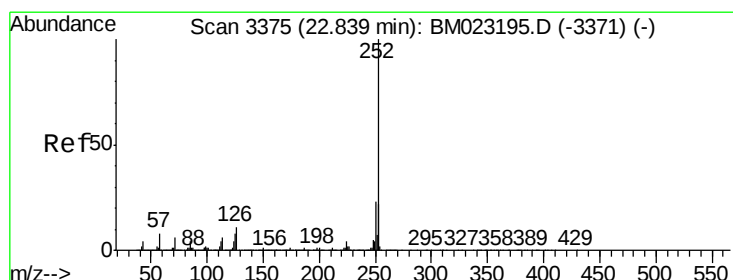
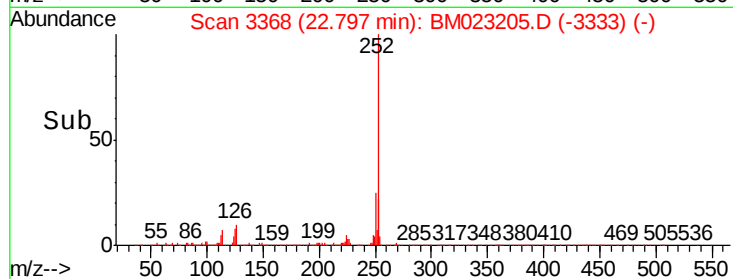
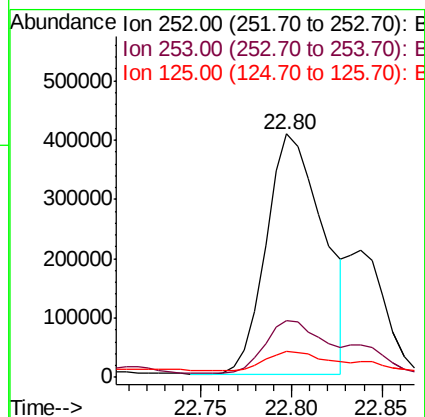
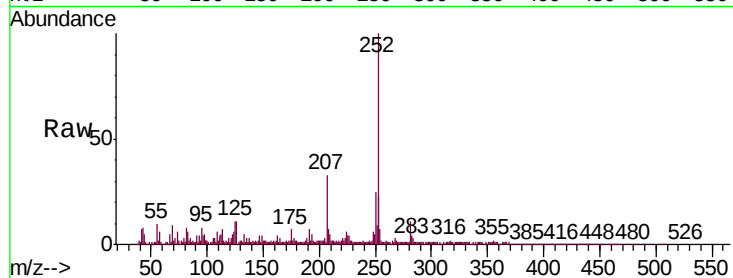
Instrument :

BNA_M

ClientSampleId :

BFB72

Tgt Ion:	252	Resp:	889616
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.6	26.4
125	10.6	6.4	9.6#



#89

Benzo(k)fluoranthene

Concen: 6.582 ng/u1

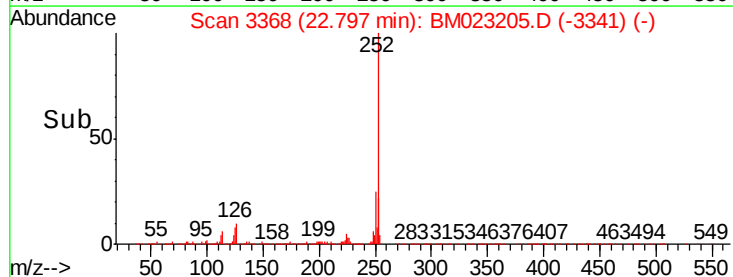
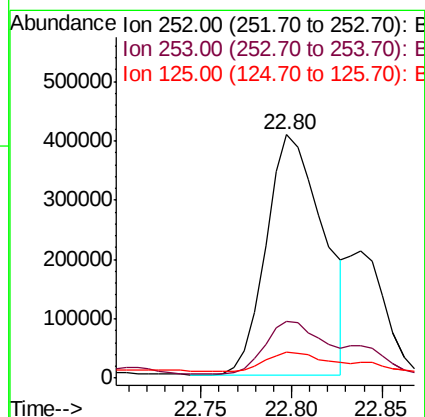
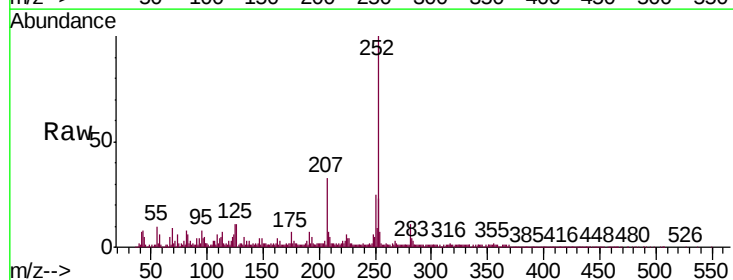
RT: 22.80 min Scan# 3368

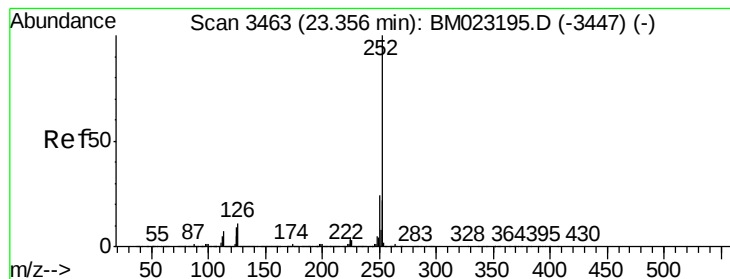
Delta R.T. -0.04 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

Tgt Ion:	252	Resp:	889616
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.0
125	10.6	6.5	9.7#





#91

Benzo(a)pyrene

Concen: 5.824 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

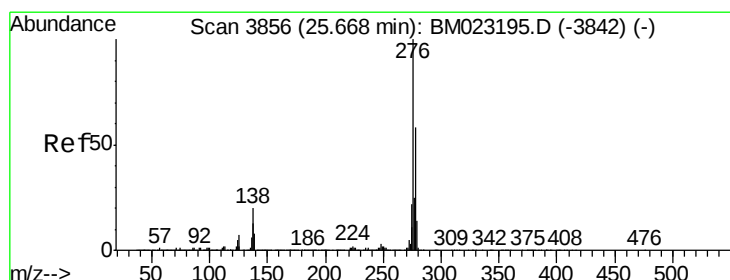
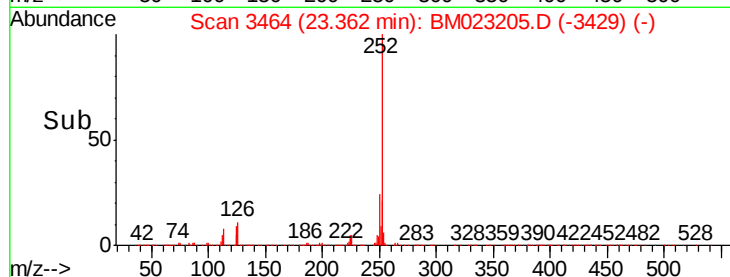
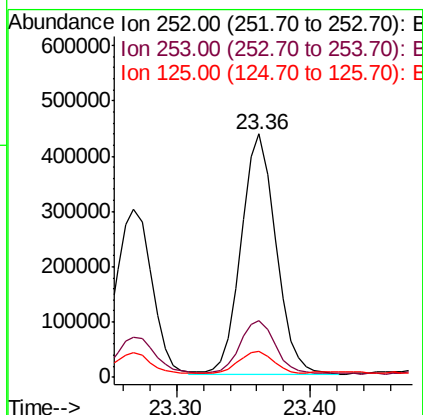
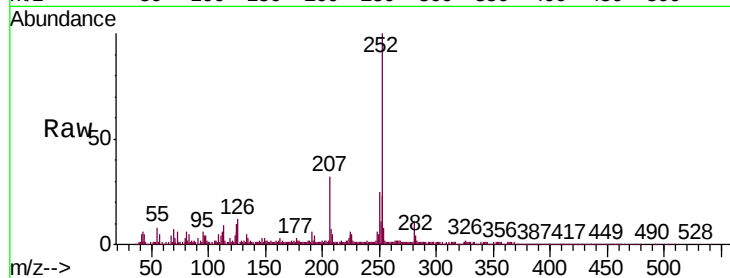
Instrument :

BNA_M

ClientSampleId :

BFB72

Tgt Ion:	252	Resp:	786605
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	10.4	7.4	11.0



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.742 ng/ul

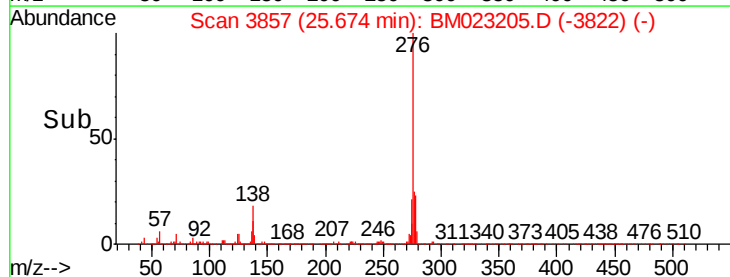
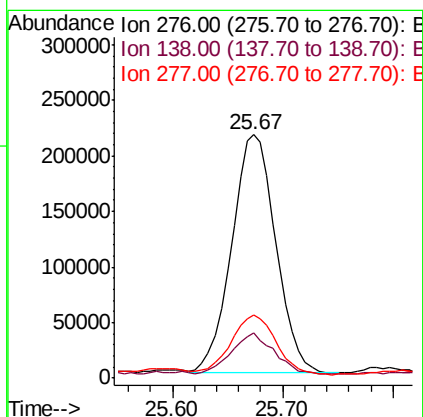
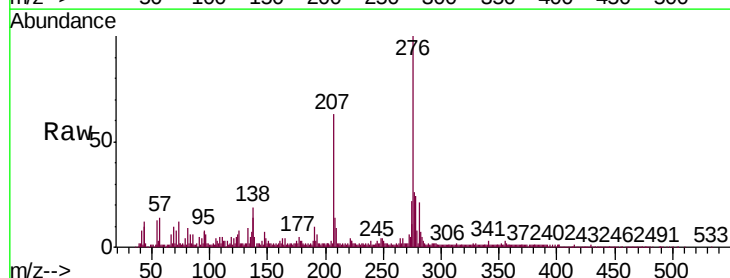
RT: 25.67 min Scan# 3857

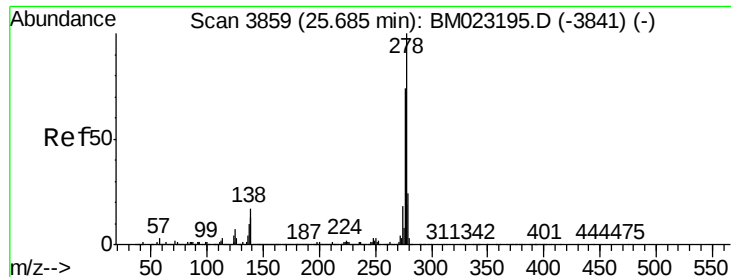
Delta R.T. 0.01 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

Tgt Ion:	276	Resp:	601191
Ion	Ratio	Lower	Upper
276	100		
138	18.6	14.9	22.3
277	25.7	19.8	29.8





#93

Dibenzo(a,h)anthracene

Concen: 1.330 ng/ul

RT: 25.68 min Scan# 3858

Delta R.T. -0.01 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

Instrument :

BNA_M

ClientSampleId :

BFB72

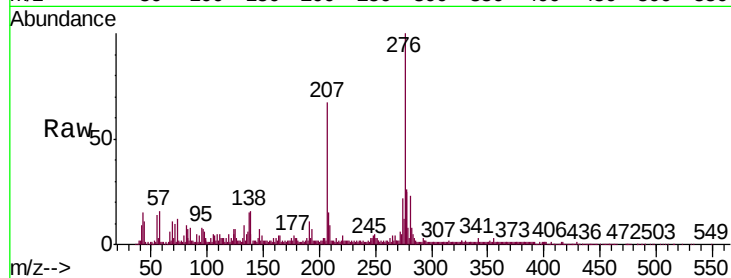
Tgt Ion:278 Resp: 178680

Ion Ratio Lower Upper

278 100

139 21.1 10.0 15.0#

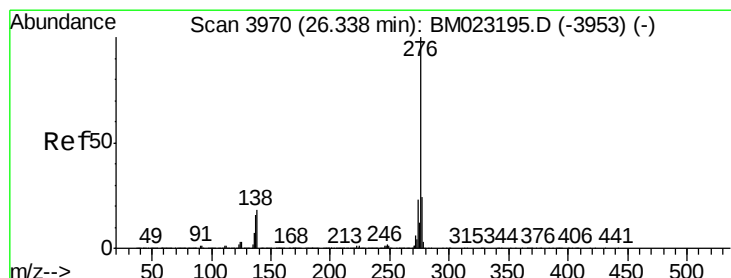
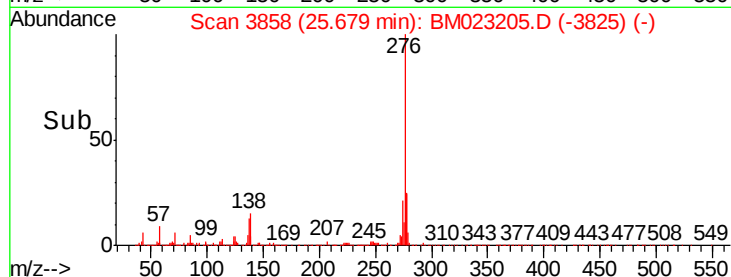
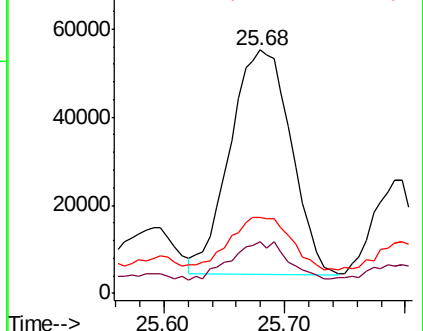
279 31.0 19.4 29.0#



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: 4.912 ng/ul

RT: 26.36 min Scan# 3973

Delta R.T. 0.02 min

Lab File: BM023205.D

Acq: 16 Oct 2019 23:57

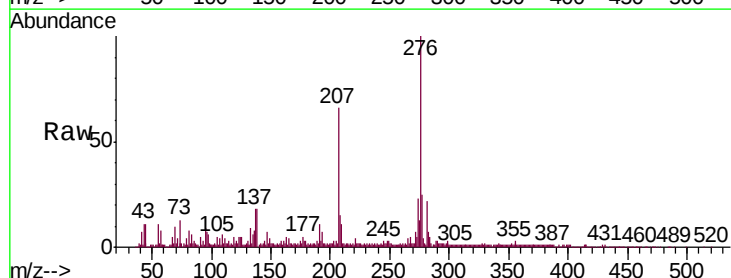
Tgt Ion:276 Resp: 649834

Ion Ratio Lower Upper

276 100

138 17.5 14.4 21.6

277 24.7 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

