

Data File : BM023200.D
Acq On : 16 Oct 2019 20:57
Operator : JU
Sample : K5262-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB68

Quant Time: Oct 17 04:35:00 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	365671	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1483404	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	900797	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1779639	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1878215	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2283699	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	25213	3.03	ng/uL	0.00
5) Phenol-d5	6.83	99	506462	15.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	290705	16.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	406419	16.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	398793	15.59	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	188313	18.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	198921	20.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	425791	17.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	246545	8.34	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1260245	18.26	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1493160	18.44	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	152839	13.68	ng/ul	0.00
58) Fluorene-d10	15.30	176	1089217	18.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	95844	13.58	ng/ul	0.00
71) Anthracene-d10	17.15	188	1684993	19.64	ng/ul	0.00
79) Pyrene-d10	19.45	212	1863777	20.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2304041	19.90	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.86	94	93245	2.839	ng/ul	98
28) Naphthalene	10.49	128	440999	5.752	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	211304	3.704	ng/ul	97
35) 1-Methylnaphthalene	12.33	142	156918	2.842	ng/ul	99
45) Dimethylphthalate	13.77	163	449973	6.512	ng/ul	99
48) Acenaphthylene	14.03	152	1095054	13.228	ng/ul	99
50) Acenaphthene	14.37	153	240064	4.165	ng/ul	98
54) Dibenzofuran	14.71	168	114457	1.399	ng/ul	97
59) Fluorene	15.36	166	260953	3.887	ng/ul#	97
70) Phenanthrene	17.10	178	3092225	30.961	ng/ul	99
72) Anthracene	17.19	178	1156546	11.206	ng/ul	100
75) Carbazole	17.45	167	165171	1.791	ng/ul	94
76) Di-n-butylphthalate	18.04	149	115846	1.056	ng/ul#	90
77) Fluoranthene	19.12	202	5707018	48.047	ng/ul	100
80) Pyrene	19.48	202	6059375	51.498	ng/ul	100
81) Butylbenzylphthalate	20.40	149	255424	6.242	ng/ul	95
83) Benzo(a)anthracene	21.29	228	4187712	32.906	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.19	149	158077	2.429	ng/ul	95
85) Chrysene	21.29	228	4186966	35.432	ng/ul	97
88) Benzo(b)fluoranthene	22.80	252	5641831	40.746	ng/ul	97
89) Benzo(k)fluoranthene	22.80	252	5641831	42.435	ng/ul	96
91) Benzo(a)pyrene	23.37	252	4514764	33.986	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.69	276	3309484	20.942	ng/ul	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101619\
Quantitation Report (Not Reviewed)

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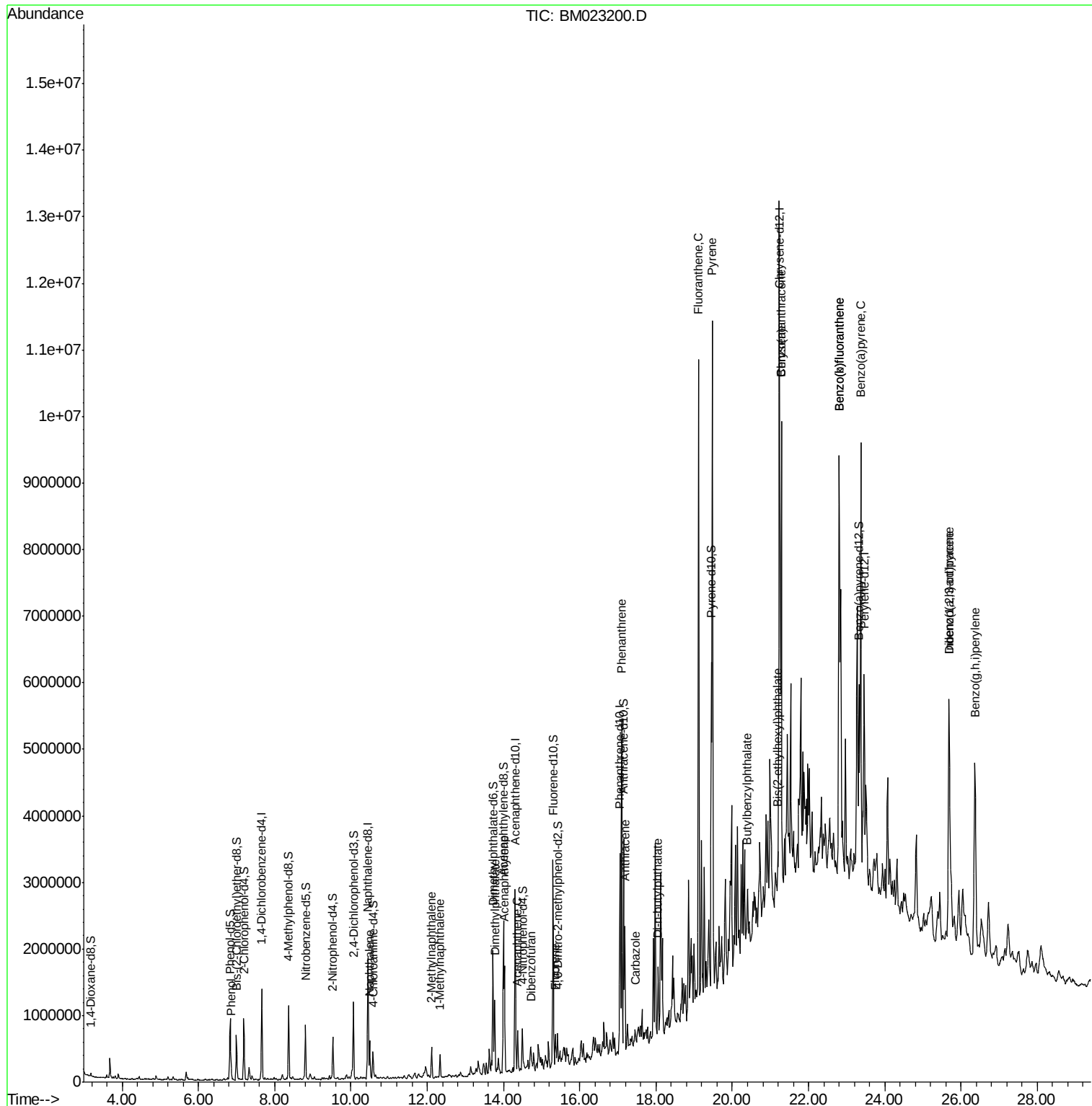
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.69	278	965366	7.306	ng/ul#	91
94) Benzo(g,h,i)perylene	26.37	276	3417491	26.265	ng/ul	99

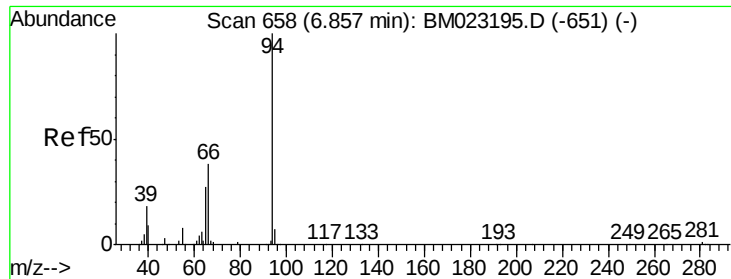
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.839 ng/ul

RT: 6.86 min Scan# 658

Delta R.T. 0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

BNA_M

ClientSampleId :

BFB68

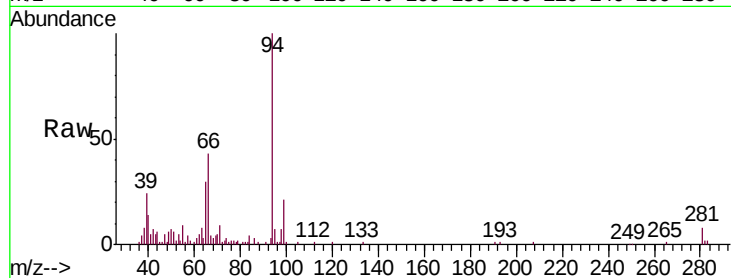
Tgt Ion: 94 Resp: 93245

Ion Ratio Lower Upper

94 100

65 30.2 23.7 35.5

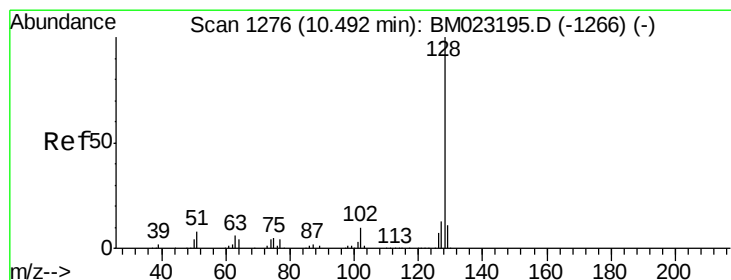
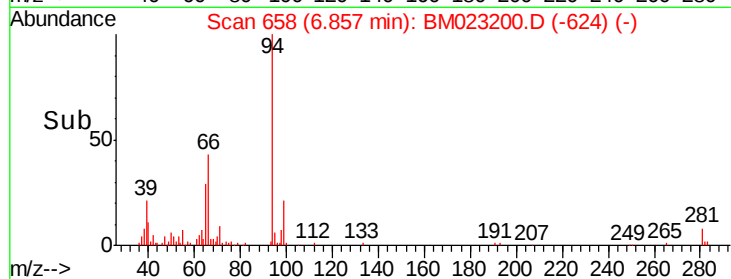
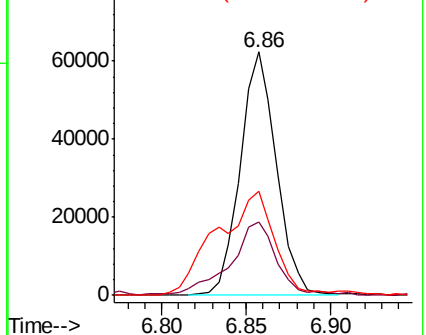
66 42.9 32.9 49.3



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: 5.752 ng/ul

RT: 10.49 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

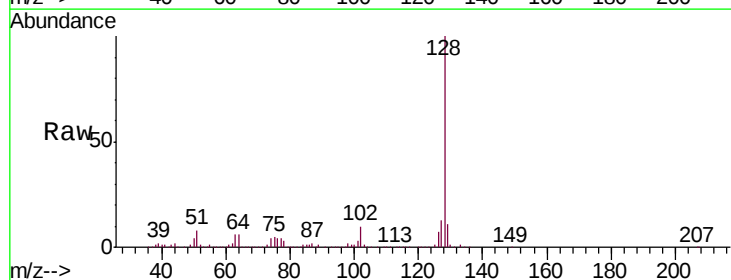
Tgt Ion: 128 Resp: 440999

Ion Ratio Lower Upper

128 100

129 11.2 8.3 12.5

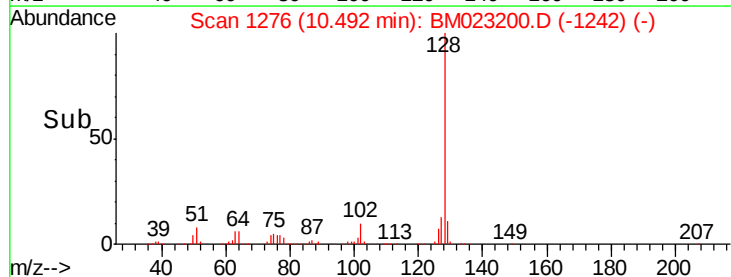
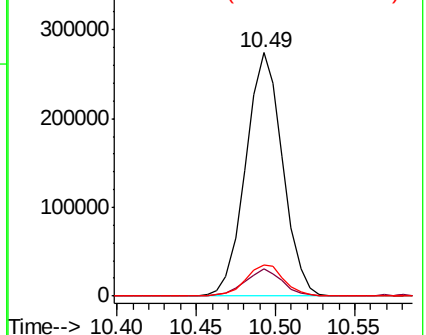
127 12.7 10.2 15.4

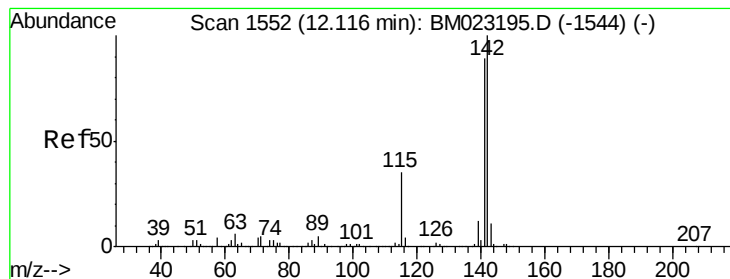


Abundance Ion 128.00 (127.70 to 128.70): BM023195.D (-1266) (-)

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

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





#34

2-Methylnaphthalene

Concen: 3.704 ng/ul

RT: 12.12 min Scan# 1552

Delta R.T. 0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

BNA_M

ClientSampleId :

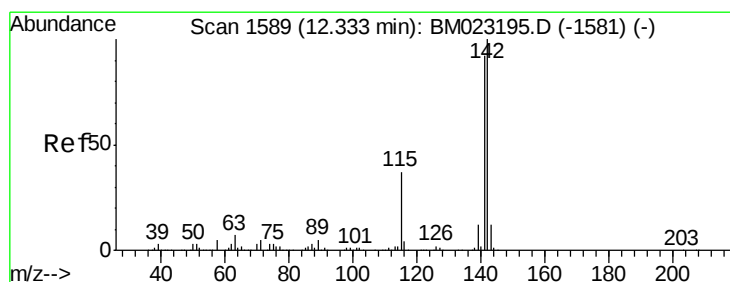
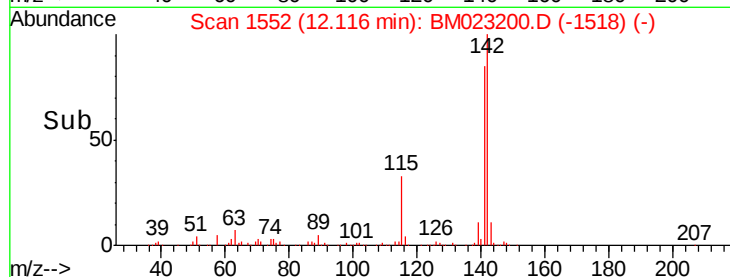
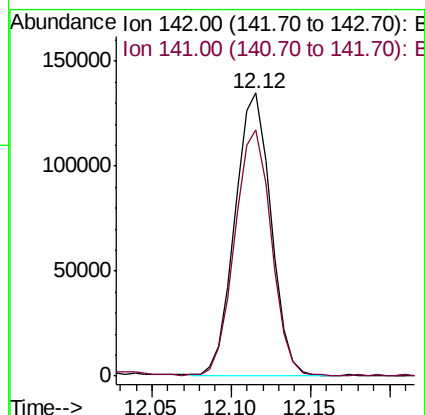
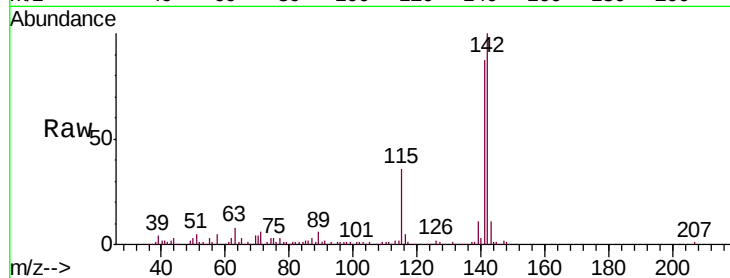
BFB68

Tgt Ion:142 Resp: 211304

Ion Ratio Lower Upper

142 100

141 86.9 72.1 108.1



#35

1-Methylnaphthalene

Concen: 2.842 ng/ul

RT: 12.33 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

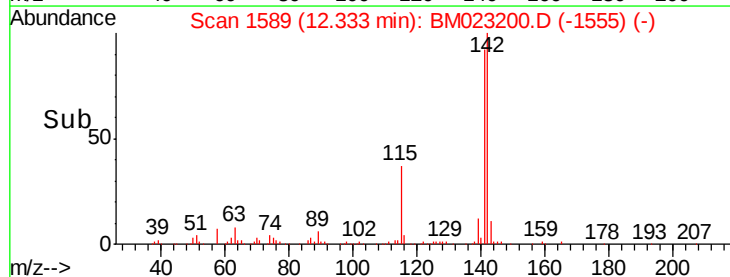
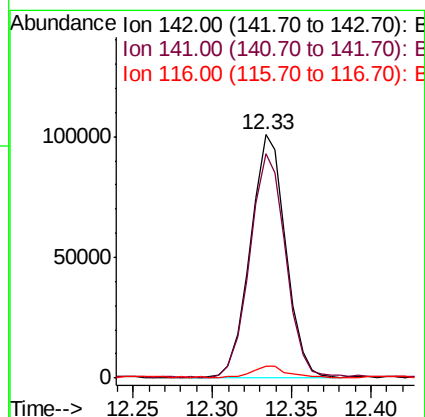
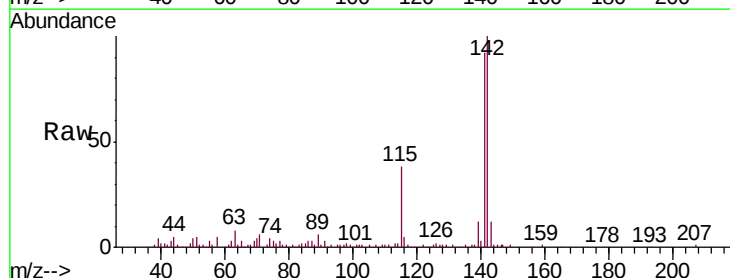
Tgt Ion:142 Resp: 156918

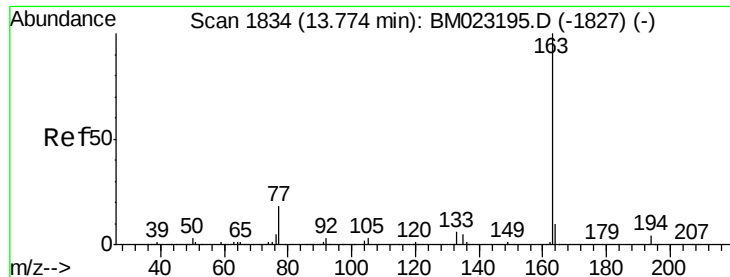
Ion Ratio Lower Upper

142 100

141 92.1 74.2 111.2

116 4.7 3.3 4.9





#45

Dimethylphthalate

Concen: 6.512 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

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ClientSampleId :

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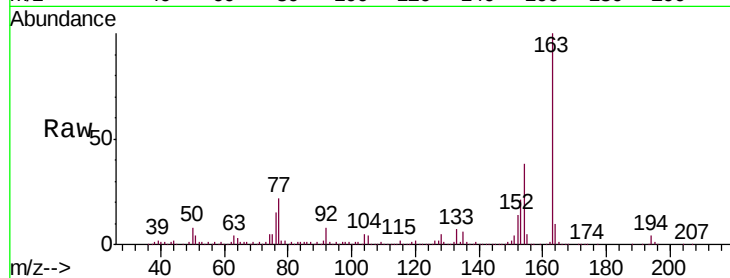
Tgt Ion:163 Resp: 449973

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

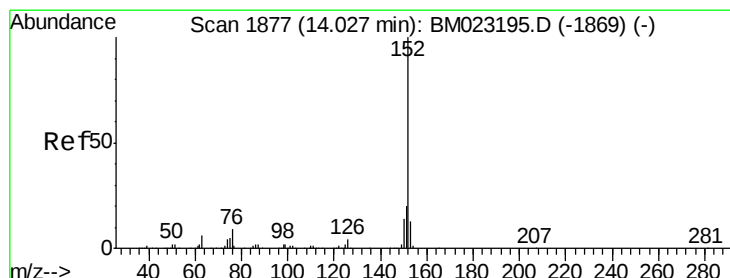
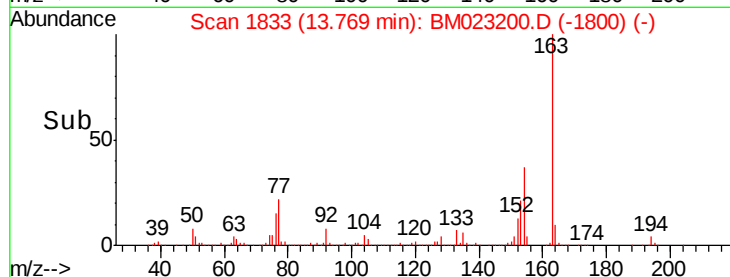
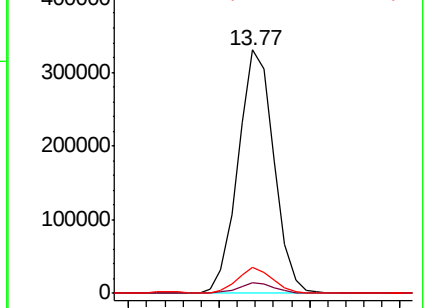
164 10.5 8.0 12.0



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: 13.228 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

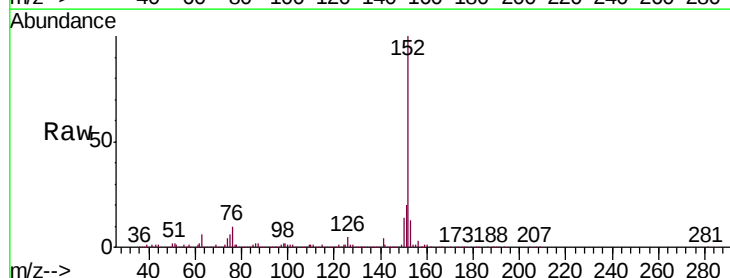
Tgt Ion:152 Resp: 1095054

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.6

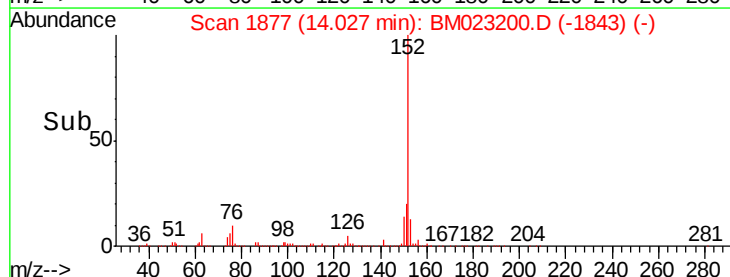
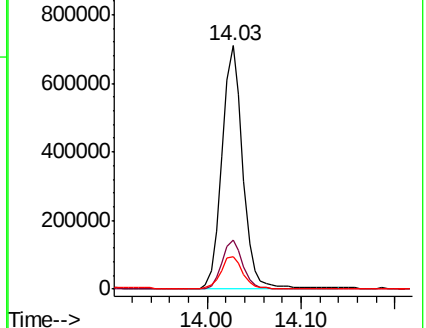
153 13.3 10.3 15.5

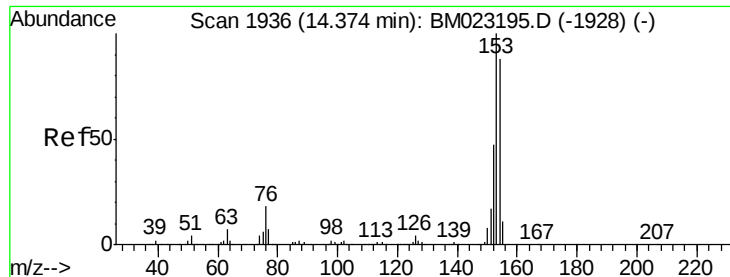


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 4.165 ng/ul

RT: 14.37 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BM023200.D

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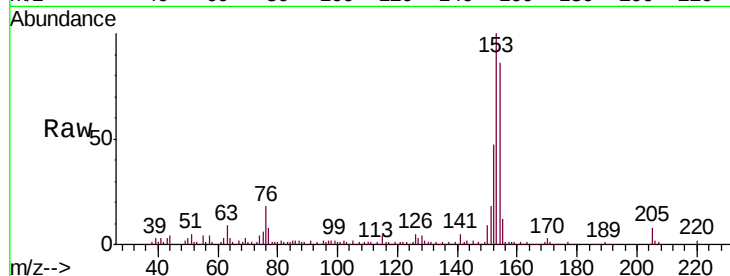
Tgt Ion:153 Resp: 240064

Ion Ratio Lower Upper

153 100

152 46.7 38.0 57.0

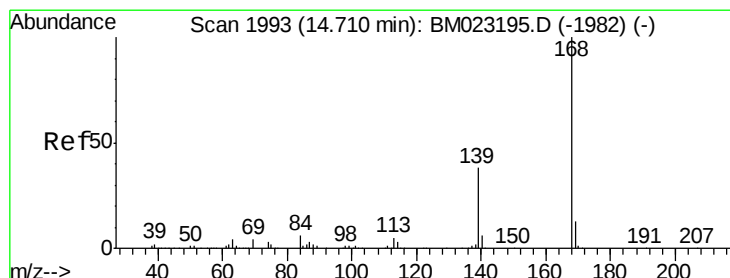
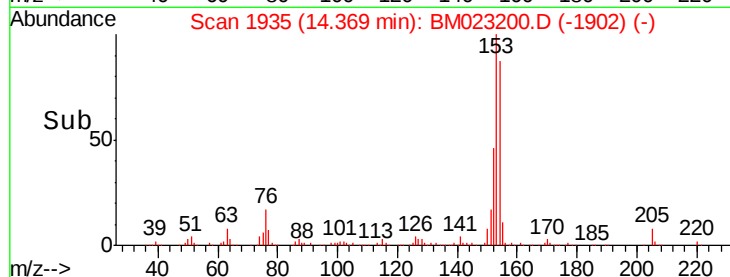
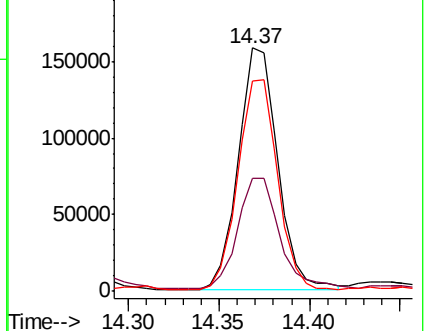
154 86.4 70.4 105.6



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



#54

Dibenzofuran

Concen: 1.399 ng/ul

RT: 14.71 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BM023200.D

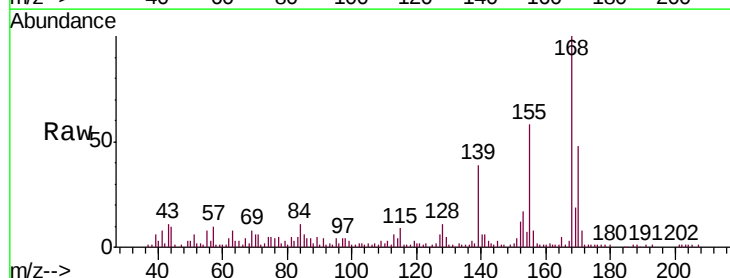
Acq: 16 Oct 2019 20:57

Tgt Ion:168 Resp: 114457

Ion Ratio Lower Upper

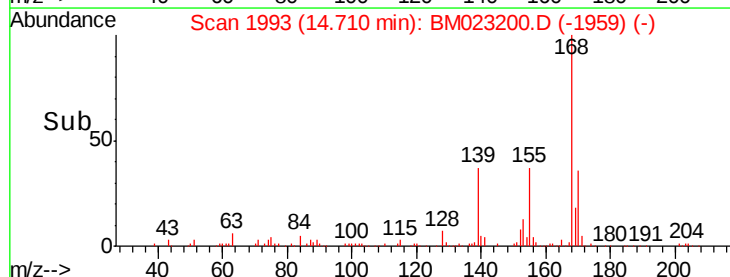
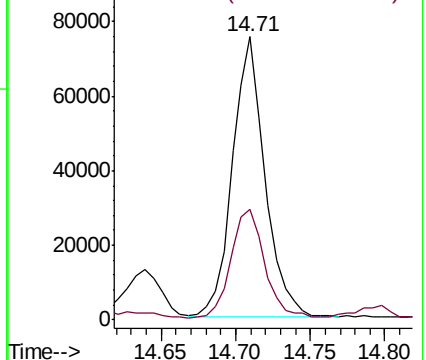
168 100

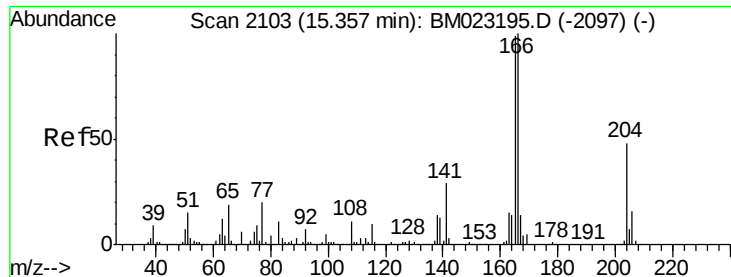
139 39.2 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 3.887 ng/ul

RT: 15.36 min Scan# 2104

Delta R.T. 0.01 min

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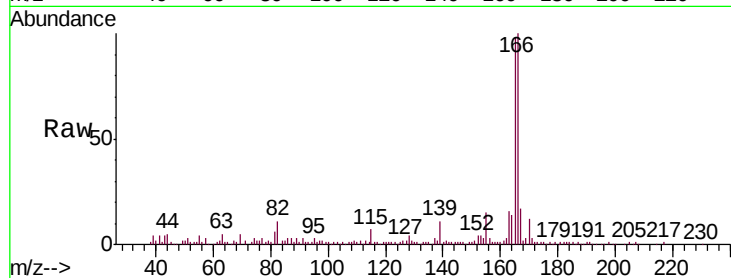
Tgt Ion:166 Resp: 260953

Ion Ratio Lower Upper

166 100

165 98.5 77.4 116.0

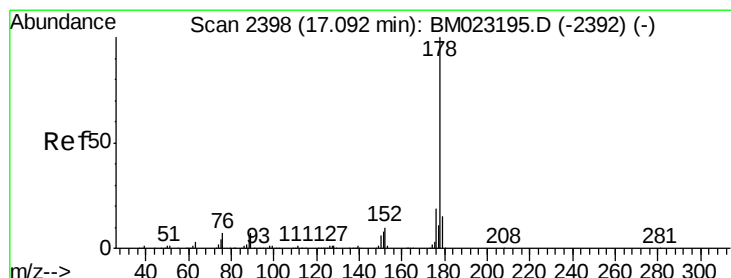
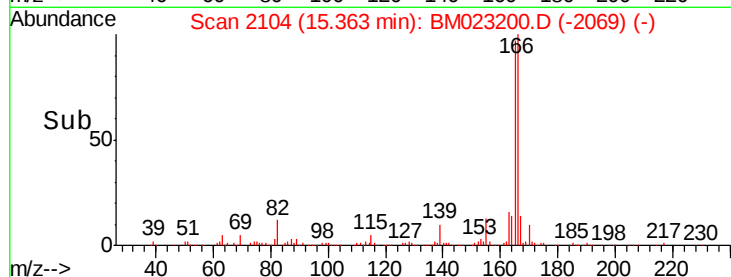
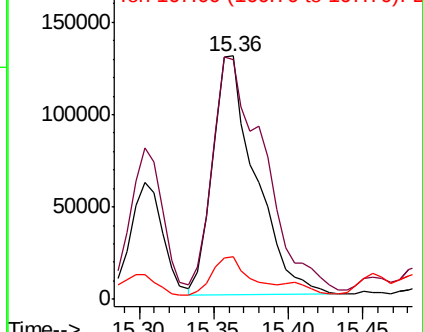
167 17.5 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 30.961 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

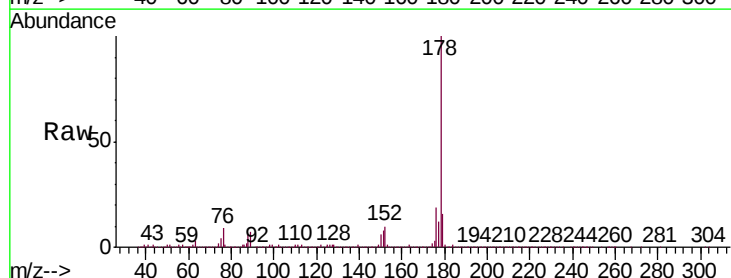
Tgt Ion:178 Resp: 3092225

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

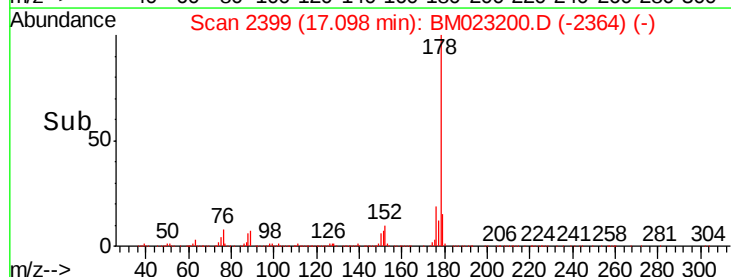
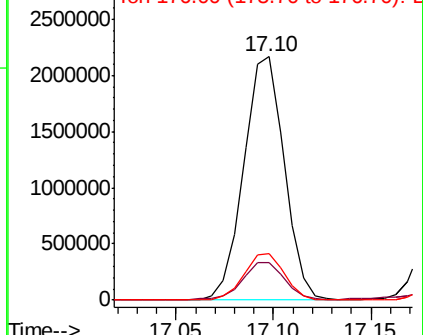
176 19.0 15.5 23.3

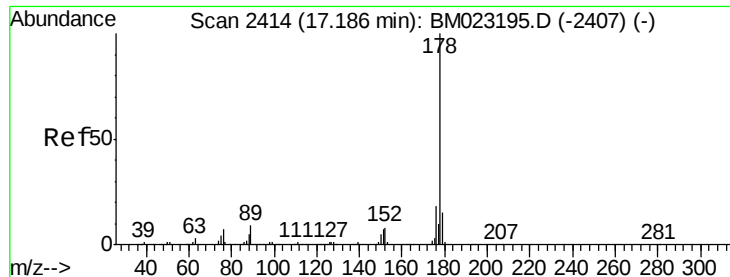


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 11.206 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. -0.00 min

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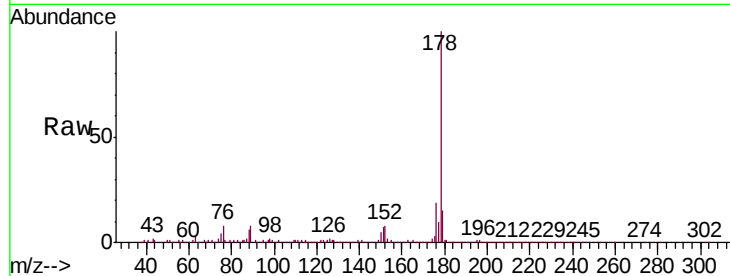
Tgt Ion:178 Resp: 1156546

Ion Ratio Lower Upper

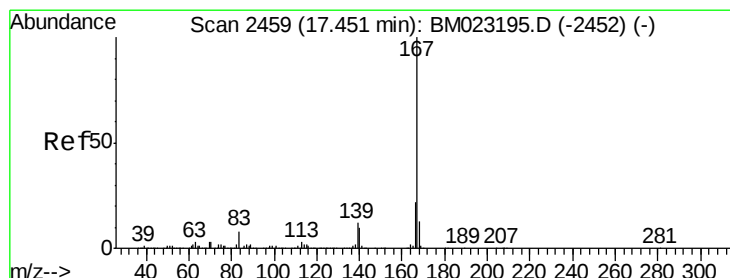
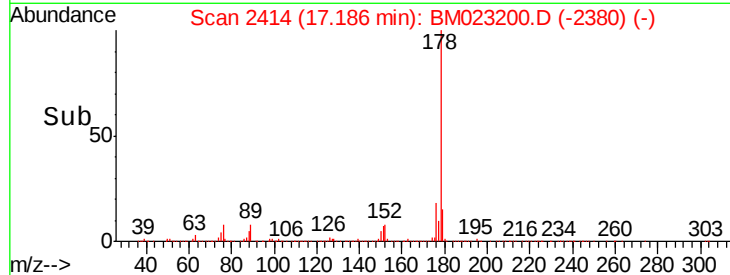
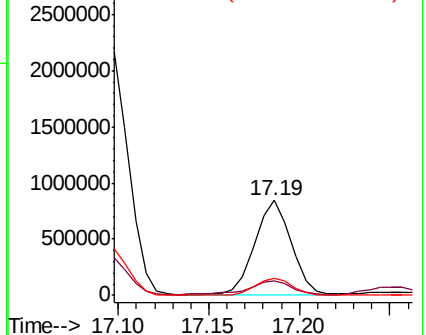
178 100

179 15.3 12.3 18.5

176 18.6 15.0 22.4



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: 1.791 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. 0.00 min

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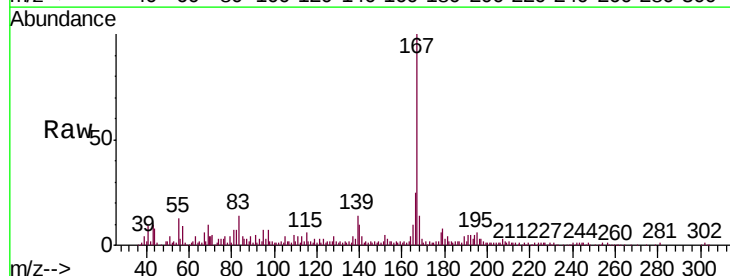
Tgt Ion:167 Resp: 165171

Ion Ratio Lower Upper

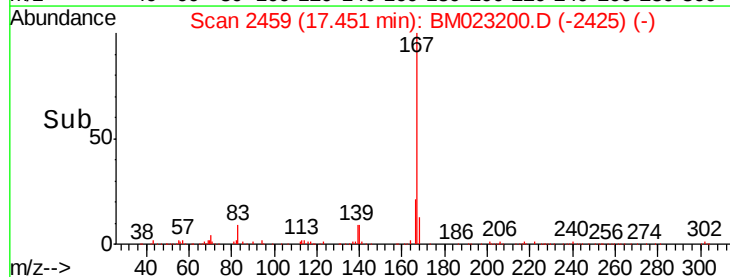
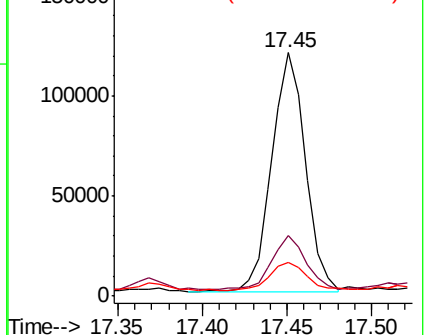
167 100

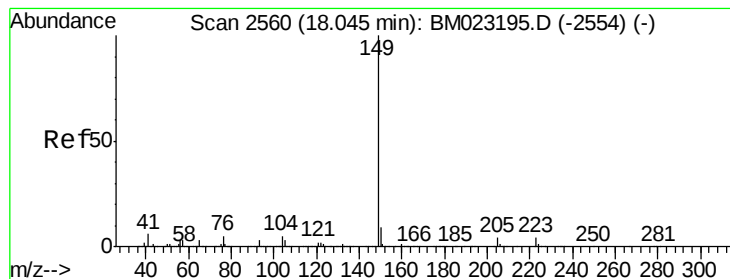
166 25.1 17.4 26.0

139 13.8 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: 1.056 ng/ul

RT: 18.04 min Scan# 2560

Delta R.T. -0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

BNA_M

ClientSampleId :

BFB68

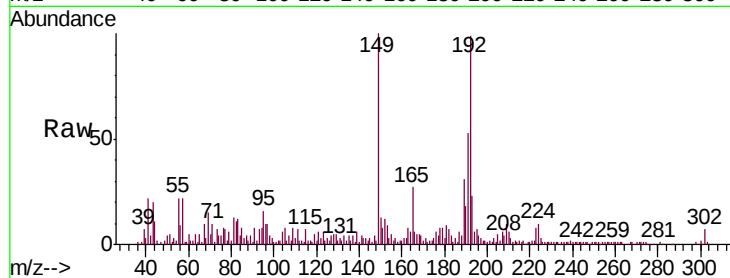
Tgt Ion:149 Resp: 115846

Ion Ratio Lower Upper

149 100

150 13.4 7.0 10.4#

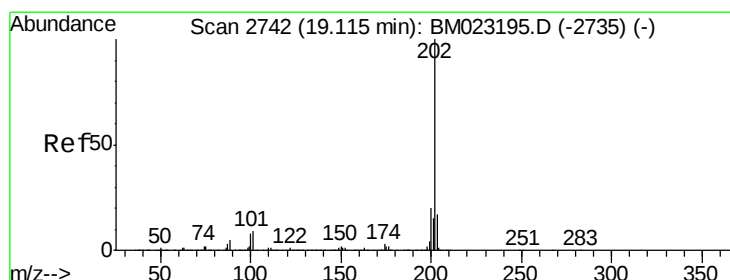
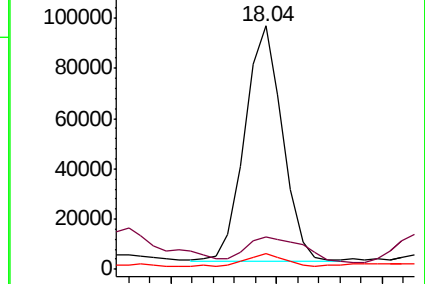
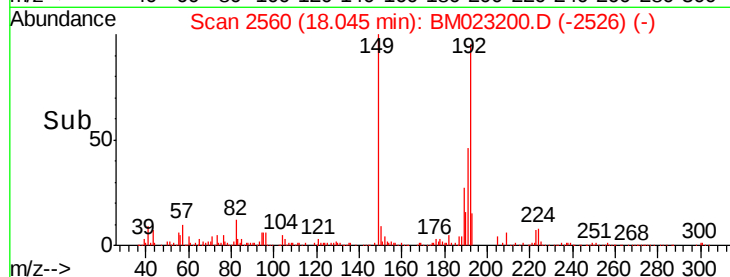
104 6.4 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 48.047 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

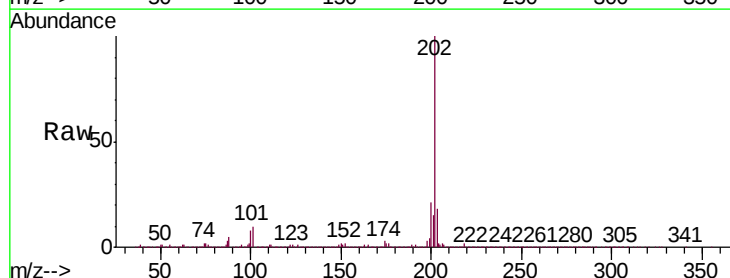
Tgt Ion:202 Resp: 5707018

Ion Ratio Lower Upper

202 100

101 10.0 7.8 11.8

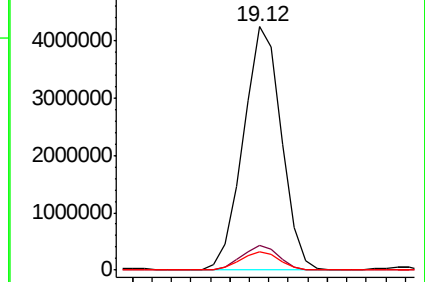
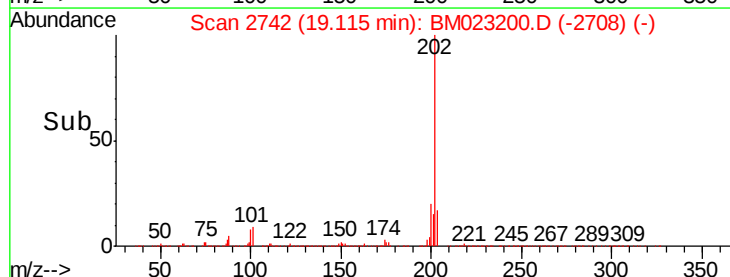
100 7.7 6.1 9.1

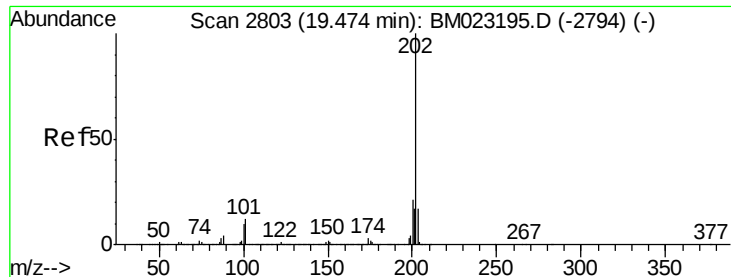


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

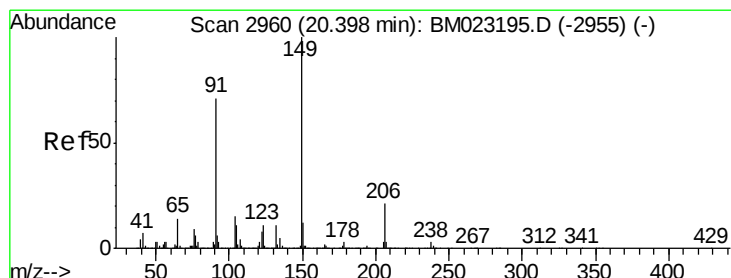
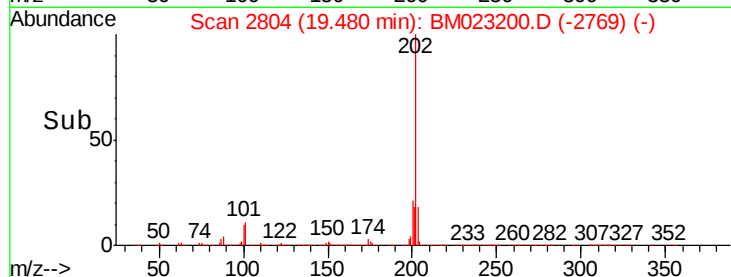
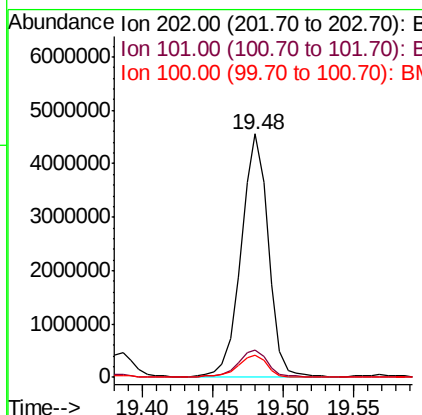
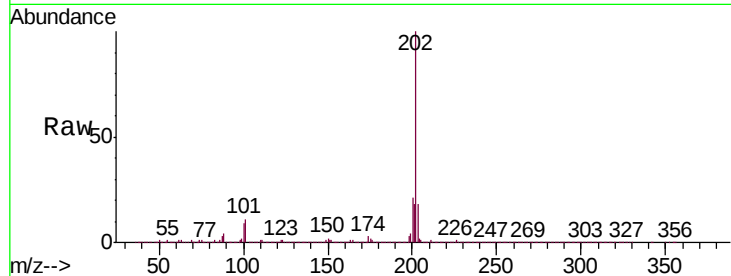




#80
 Pyrene
 Concen: 51.498 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023200.D
 Acq: 16 Oct 2019 20:57

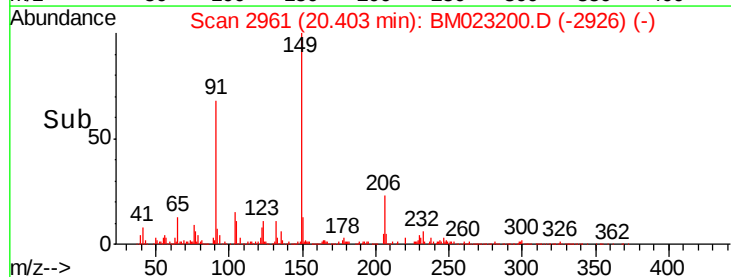
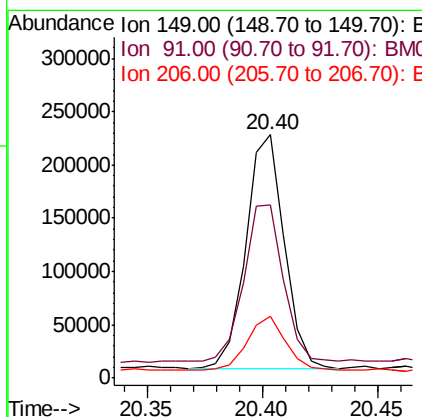
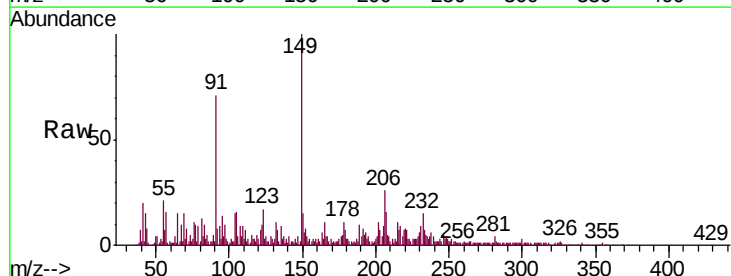
Instrument :
 BNA_M
 ClientSampleId :
 BFB68

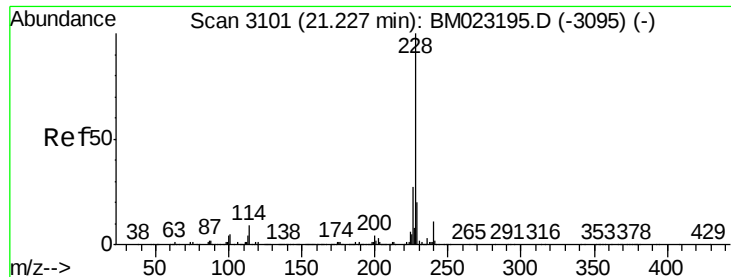
Tgt Ion:202 Resp: 6059375
 Ion Ratio Lower Upper
 202 100
 101 11.2 9.1 13.7
 100 9.3 7.5 11.3



#81
 Butylbenzylphthalate
 Concen: 6.242 ng/ul
 RT: 20.40 min Scan# 2961
 Delta R.T. 0.01 min
 Lab File: BM023200.D
 Acq: 16 Oct 2019 20:57

Tgt Ion:149 Resp: 255424
 Ion Ratio Lower Upper
 149 100
 91 71.2 59.9 89.9
 206 25.5 17.1 25.7





#83

Benzo(a)anthracene

Concen: 32.906 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.06 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

BNA_M

ClientSampleId :

BFB68

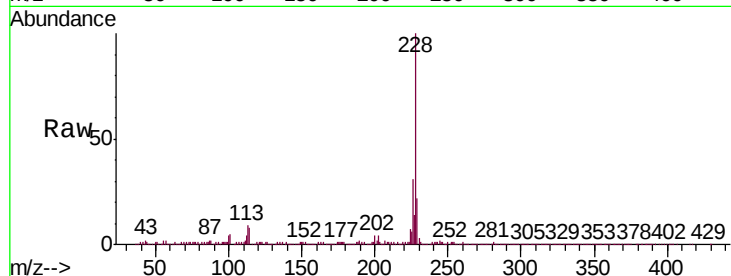
Tgt Ion:228 Resp: 4187712

Ion Ratio Lower Upper

228 100

229 22.2 15.7 23.5

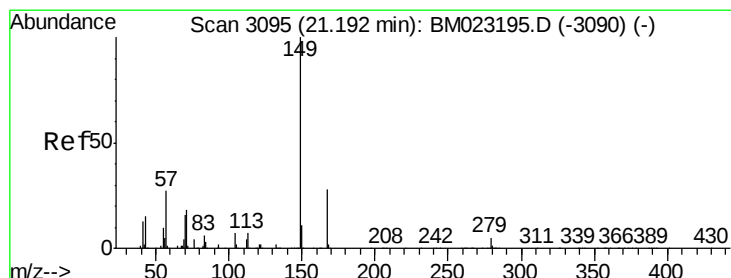
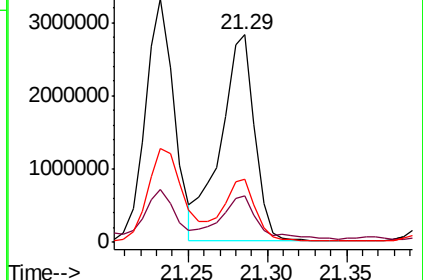
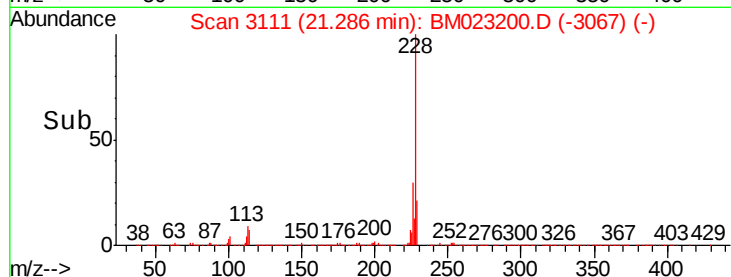
226 30.6 21.6 32.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.429 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

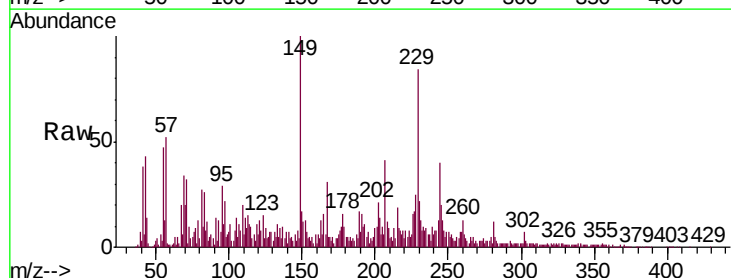
Tgt Ion:149 Resp: 158077

Ion Ratio Lower Upper

149 100

167 30.8 22.5 33.7

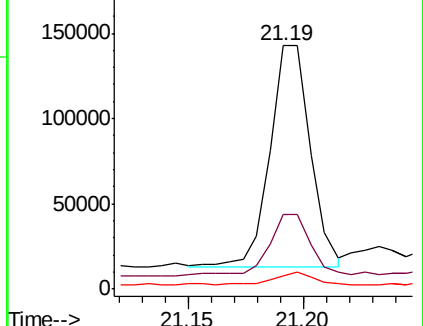
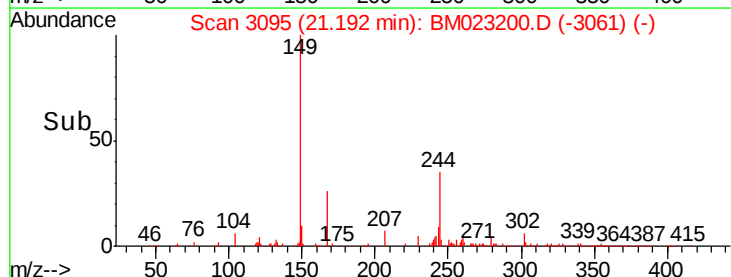
279 5.5 4.0 6.0

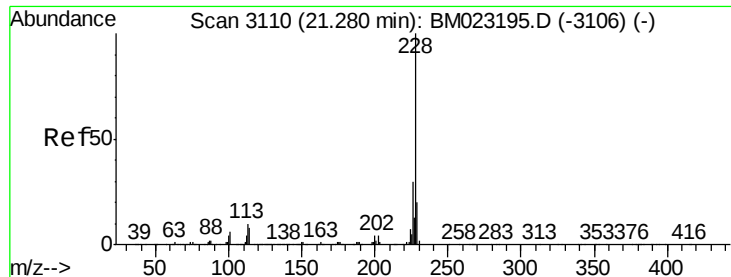


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 35.432 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

BNA_M

ClientSampleId :

BFB68

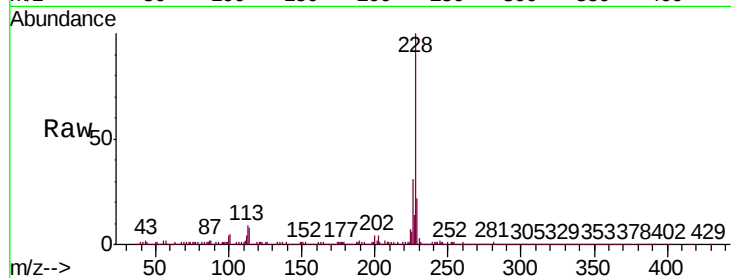
Tgt Ion:228 Resp: 4186966

Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

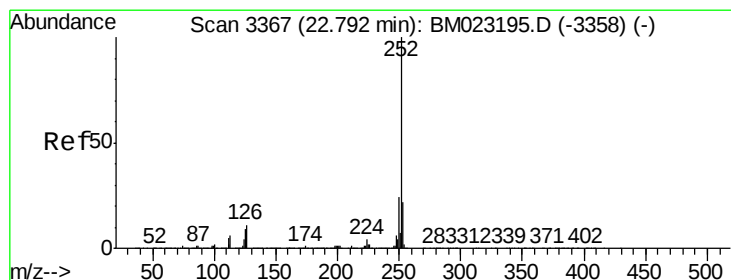
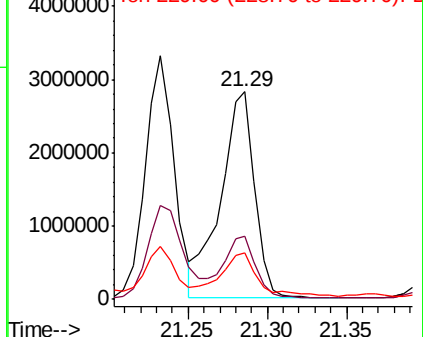
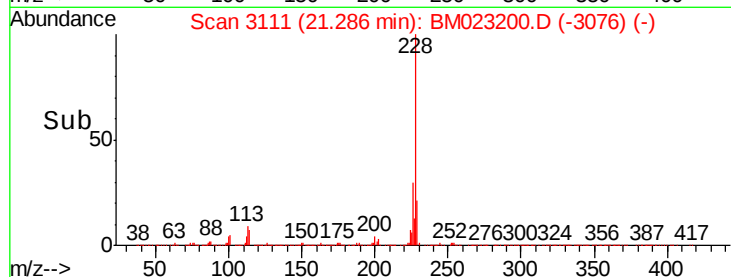
229 22.2 15.5 23.3



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: 40.746 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

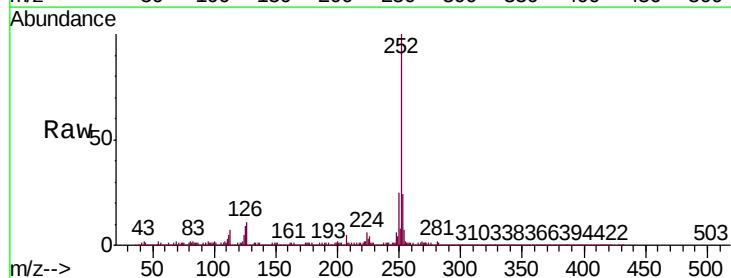
Tgt Ion:252 Resp: 5641831

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

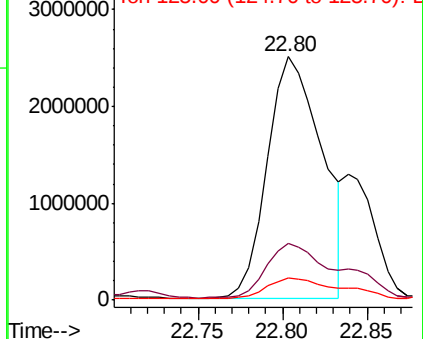
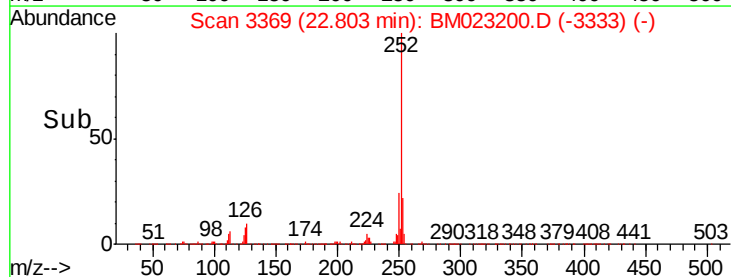
125 9.1 6.4 9.6

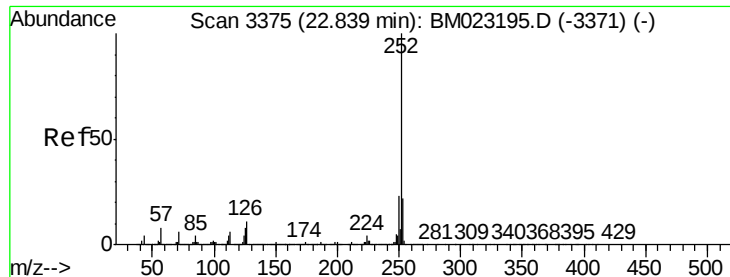


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 42.435 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

BNA_M

ClientSampleId :

BFB68

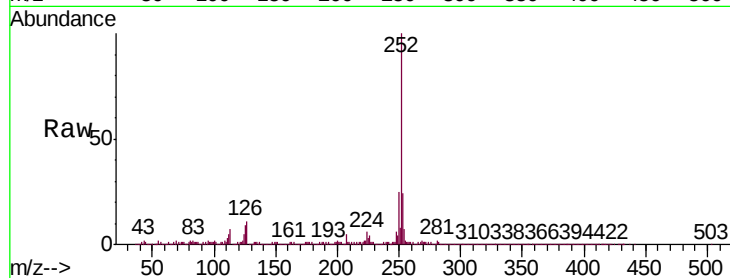
Tgt Ion:252 Resp: 5641831

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

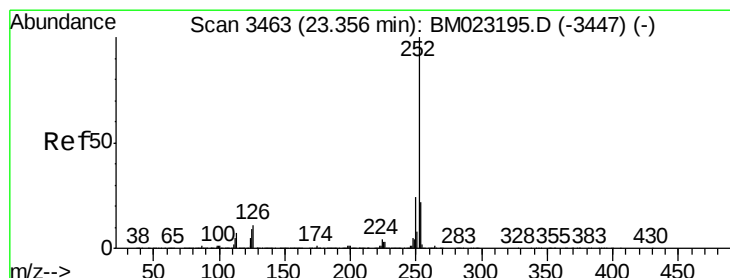
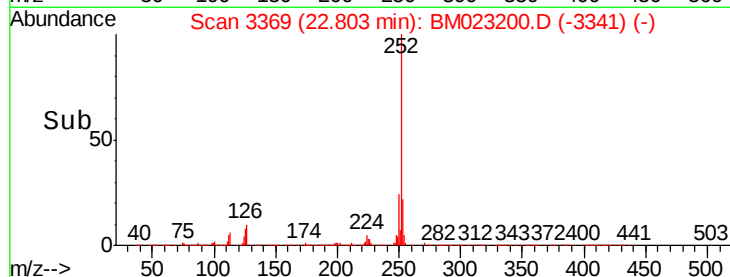
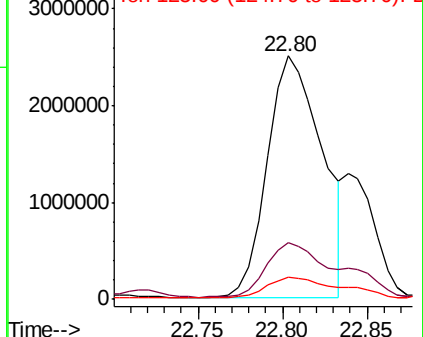
125 9.1 6.5 9.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 33.986 ng/ul

RT: 23.37 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

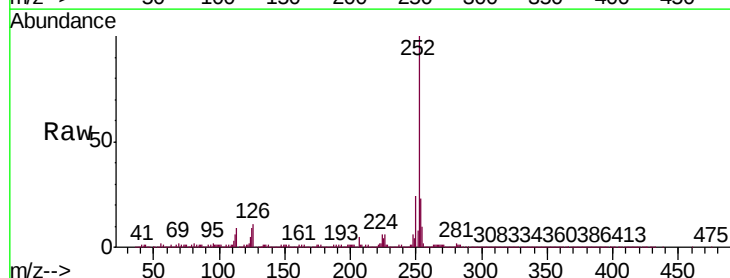
Tgt Ion:252 Resp: 4514764

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

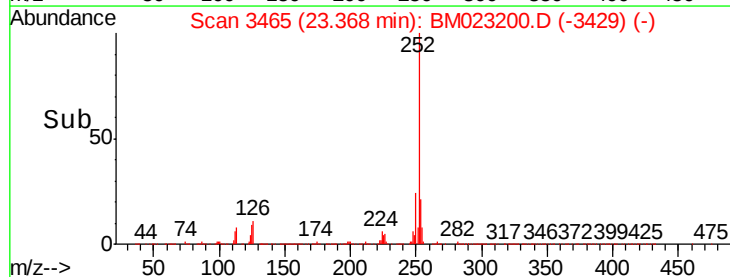
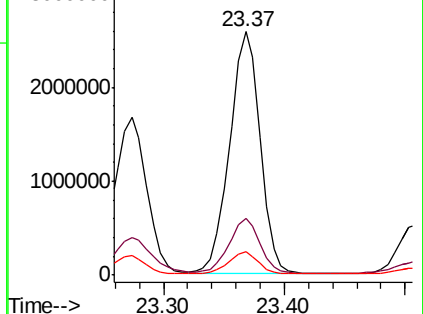
125 9.4 7.4 11.0

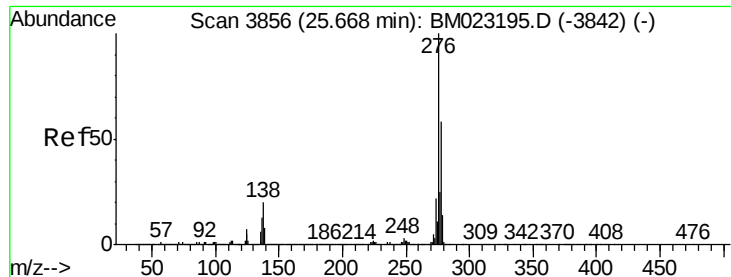


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



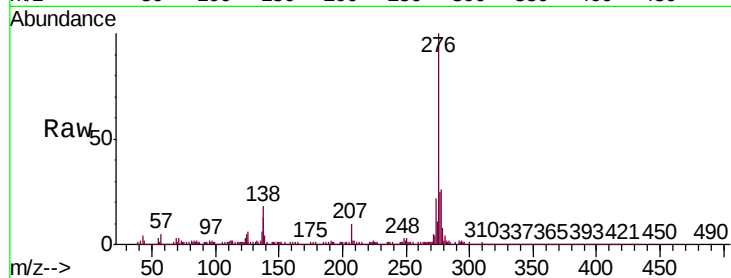


#92

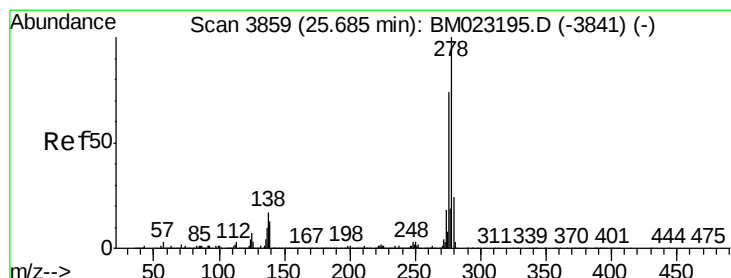
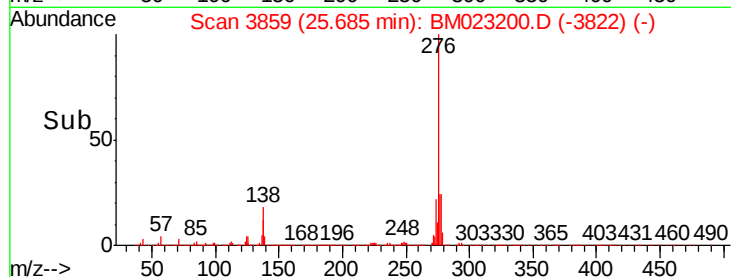
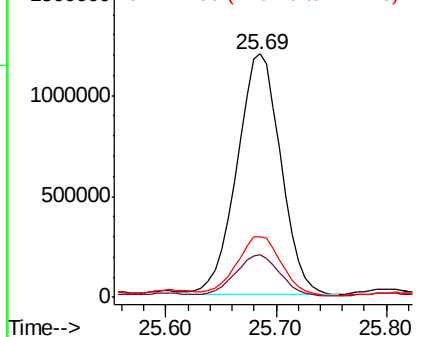
Indeno(1,2,3-cd)pyrene
Concen: 20.942 ng/ul
RT: 25.69 min Scan# 3859
Delta R.T. 0.02 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Instrument :
BNA_M
ClientSampleId :
BFB68

Tgt Ion:276 Resp: 3309484
Ion Ratio Lower Upper
276 100
138 17.7 14.9 22.3
277 25.1 19.8 29.8



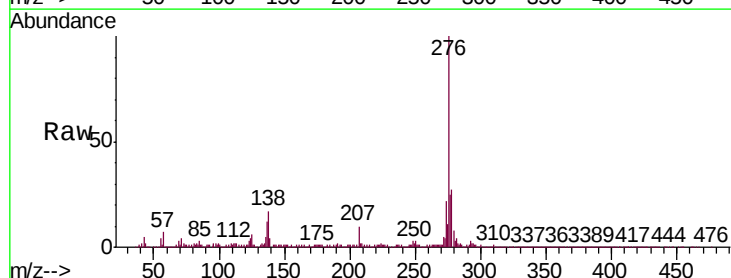
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



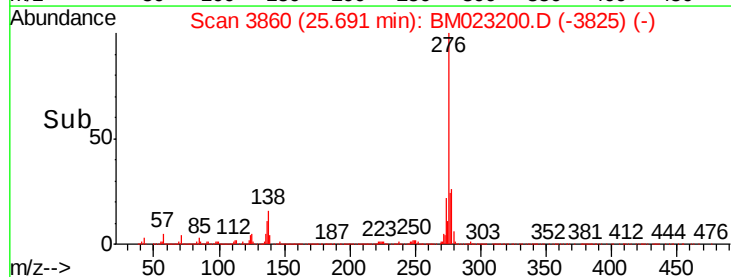
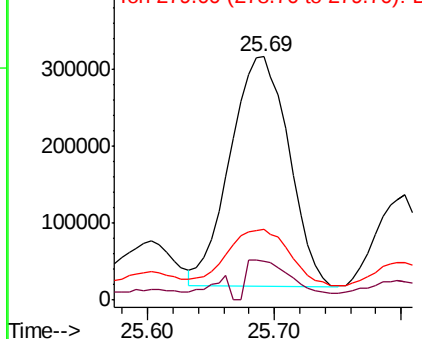
#93

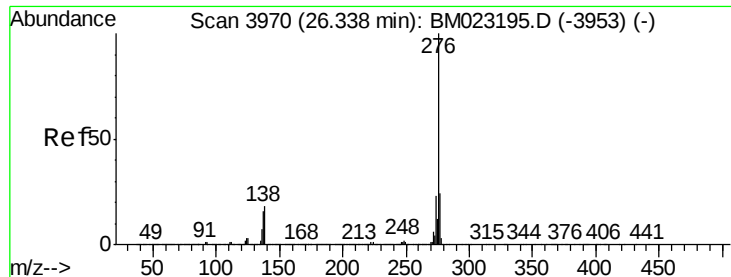
Dibenzo(a,h)anthracene
Concen: 7.306 ng/ul
RT: 25.69 min Scan# 3860
Delta R.T. 0.01 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Tgt Ion:278 Resp: 965366
Ion Ratio Lower Upper
278 100
139 15.7 10.0 15.0#
279 29.0 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: 26.265 ng/ul

RT: 26.37 min Scan# 3975

Delta R.T. 0.03 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

BNA_M

ClientSampleId :

BFB68

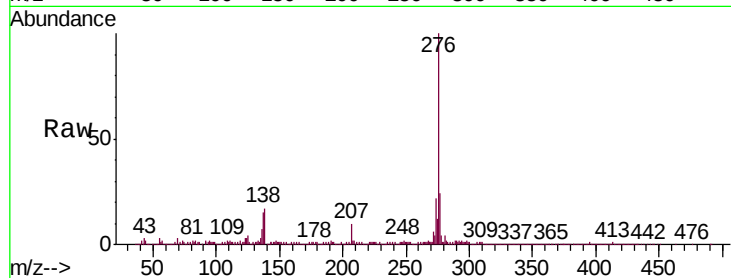
Tgt Ion:276 Resp: 3417491

Ion Ratio Lower Upper

276 100

138 16.9 14.4 21.6

277 24.2 19.4 29.2



Abundance Ion 276.00 (275.70 to 276.70): E

1500000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

