

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
 Data File : BM023246.D
 Acq On : 18 Oct 2019 07:40
 Operator : JU
 Sample : K5235-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 18 08:54:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 18 07:48:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	360552	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	1414807	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	890959	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1852324	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1903395	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2307756	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	20876	2.55	ng/uL	0.00
5) Phenol-d5	6.83	99	384776	12.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	234410	13.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	333273	13.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	274134	10.87	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	166965	17.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	181117	19.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	361536	15.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	284532	10.09	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1255735	18.39	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1411279	17.62	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	103877	9.40	ng/ul	0.00
58) Fluorene-d10	15.30	176	1152878	19.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	87878	11.97	ng/ul	0.00
71) Anthracene-d10	17.15	188	1938248	21.70	ng/ul	0.00
79) Pyrene-d10	19.45	212	2297331	24.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2742546	23.44	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.86	94	62980	1.945	ng/ul 96
28) Naphthalene	10.49	128	114563	1.567	ng/ul 100
34) 2-Methylnaphthalene	12.11	142	107113	1.968	ng/ul 98
35) 1-Methylnaphthalene	12.33	142	112578	2.138	ng/ul 97
45) Dimethylphthalate	13.77	163	435369	6.371	ng/ul 99
50) Acenaphthene	14.37	153	275526	4.833	ng/ul 97
59) Fluorene	15.36	166	244780	3.686	ng/ul# 97
70) Phenanthrene	17.09	178	4410289	42.425	ng/ul 99
72) Anthracene	17.19	178	936103	8.714	ng/ul 100
75) Carbazole	17.45	167	128597	1.340	ng/ul 99
77) Fluoranthene	19.12	202	4142539	33.507	ng/ul 98
80) Pyrene	19.48	202	5323083	44.642	ng/ul 98
83) Benzo(a)anthracene	21.23	228	2760629	21.405	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	21.19	149	3580811	54.300	ng/ul 98
85) Chrysene	21.28	228	2701372	22.558	ng/ul 98
88) Benzo(b)fluoranthene	22.80	252	2587961	18.496	ng/ul 98
89) Benzo(k)fluoranthene	22.80	252	2587961	19.262	ng/ul 98
91) Benzo(a)pyrene	23.36	252	2182292	16.257	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.67	276	1236249	7.741	ng/ul 98
93) Dibenzo(a,h)anthracene	25.68	278	392189	2.937	ng/ul 95
94) Benzo(a,h,i)perylene	26.35	276	1222220	9.295	ng/ul 98

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QLast Update : Fri Oct 18 07:48:41 2019
Response via : Initial Calibration

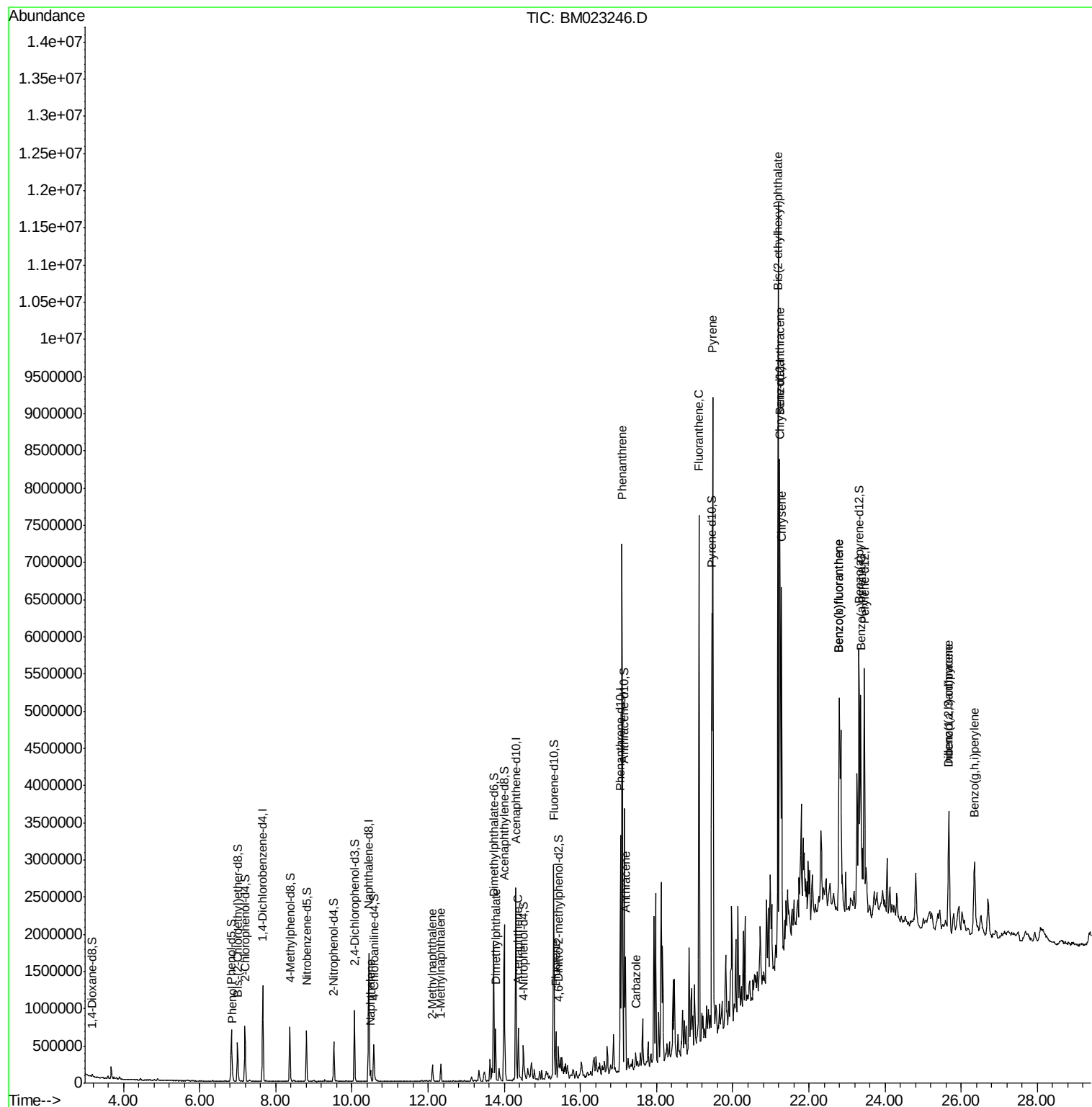
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

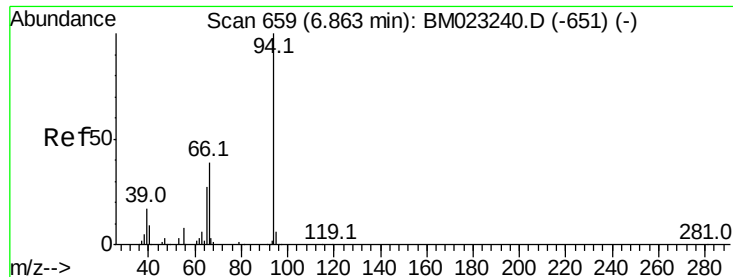
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Time: Oct 18 08:54:23 2019
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#6

Phenol

Concen: 1.945 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

Instrument :

BNA_M

ClientSampleId :

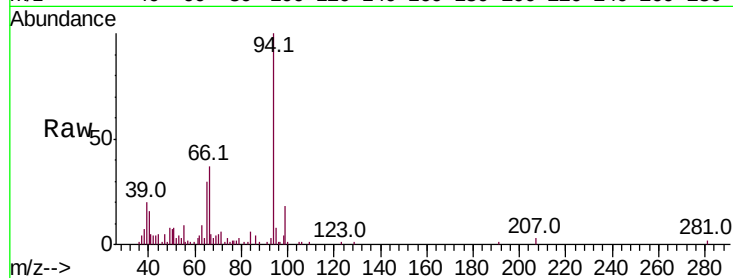
Tot Ion: 94 Resp: 62980

Ion Ratio Lower Upper

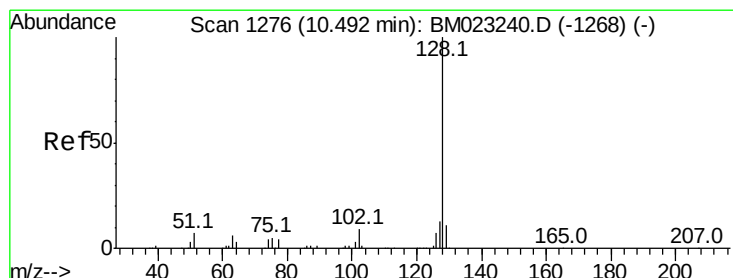
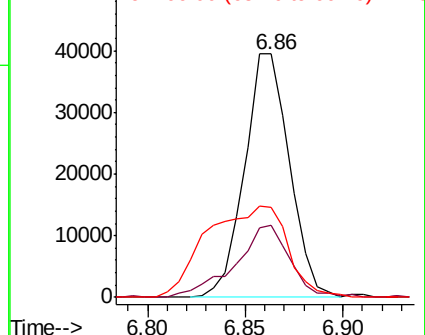
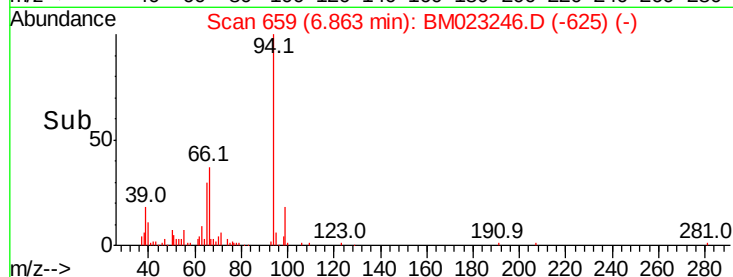
94 100

65 29.9 23.7 35.5

66 37.1 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023246.D (-625) (-)



#28

Naphthalene

Concen: 1.567 ng/ul

RT: 10.49 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

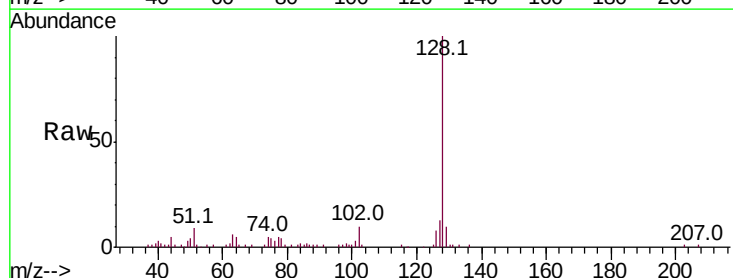
Tgt Ion:128 Resp: 114563

Ion Ratio Lower Upper

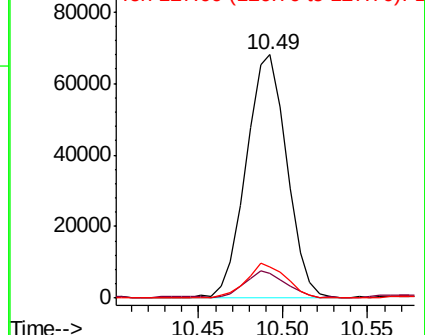
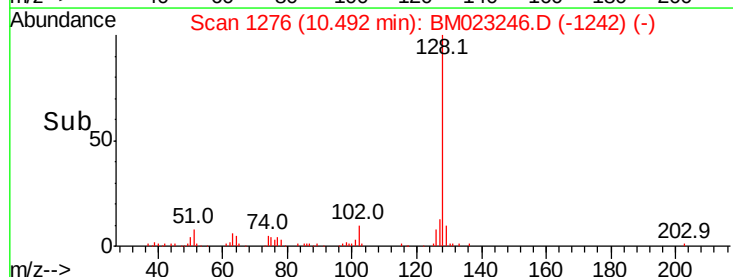
128 100

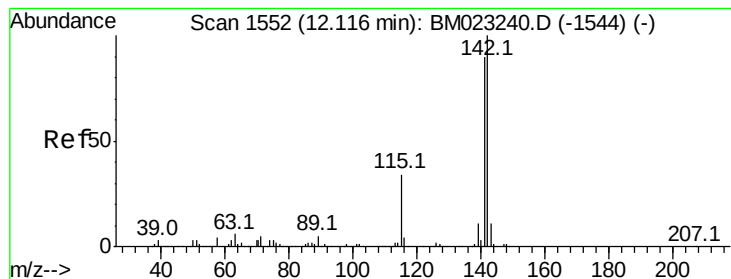
129 10.4 8.3 12.5

127 12.7 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): BM023246.D (-1242) (-)





#34

2-Methylnaphthalene

Concen: 1.968 ng/ul

RT: 12.11 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

Instrument :

BNA_M

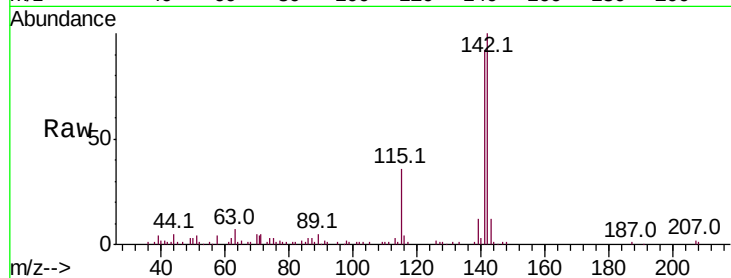
ClientSampleId :

Tot Ion:142 Resp: 107113

Ion Ratio Lower Upper

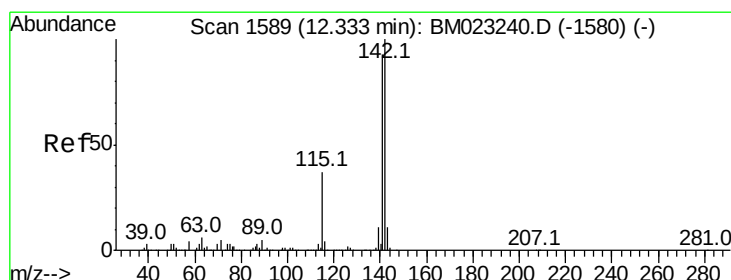
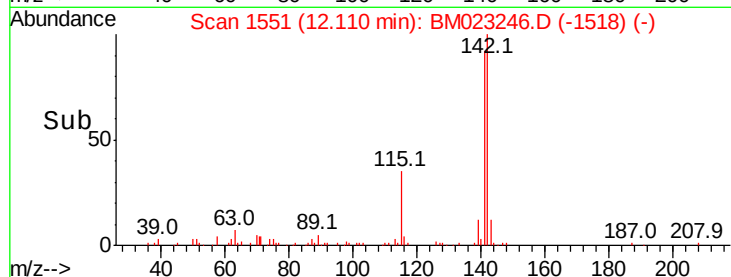
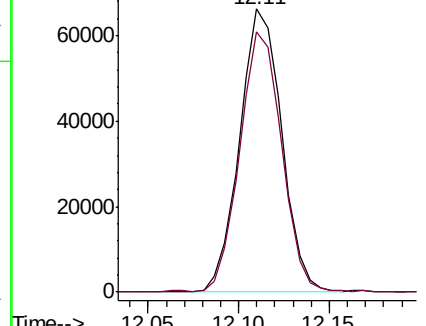
142 100

141 91.8 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 2.138 ng/ul

RT: 12.33 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

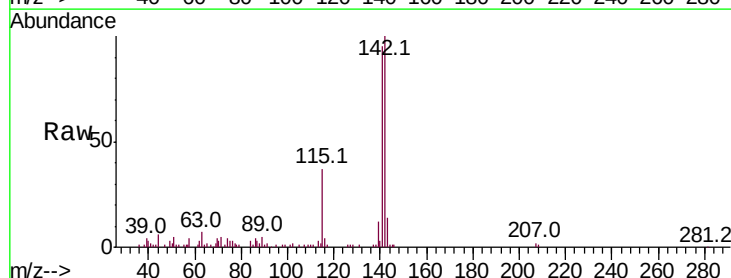
Tgt Ion:142 Resp: 112578

Ion Ratio Lower Upper

142 100

141 95.2 74.2 111.2

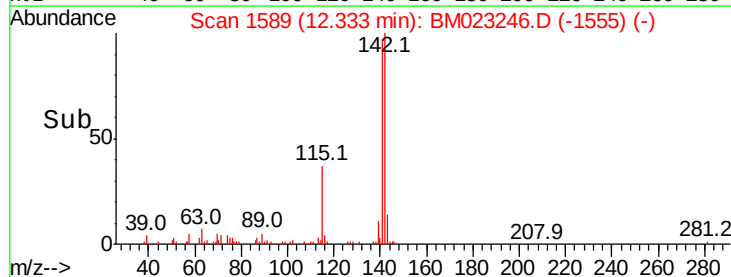
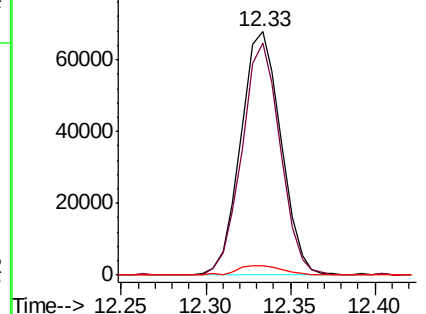
116 3.8 3.3 4.9

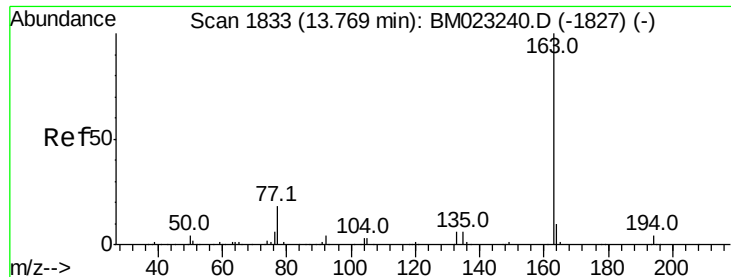


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#45

Dimethylphthalate

Concen: 6.371 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

Instrument :

BNA_M

ClientSampleId :

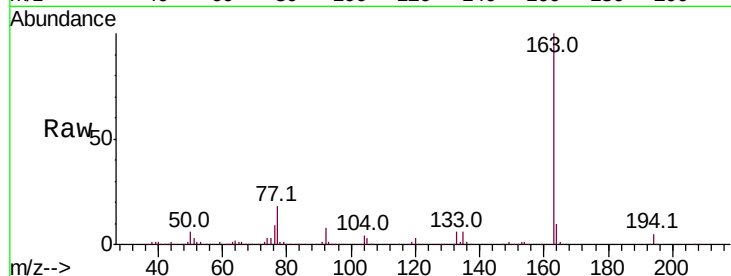
Tot Ion:163 Resp: 435369

Ion Ratio Lower Upper

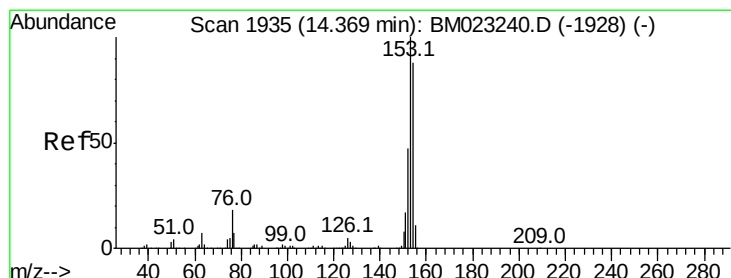
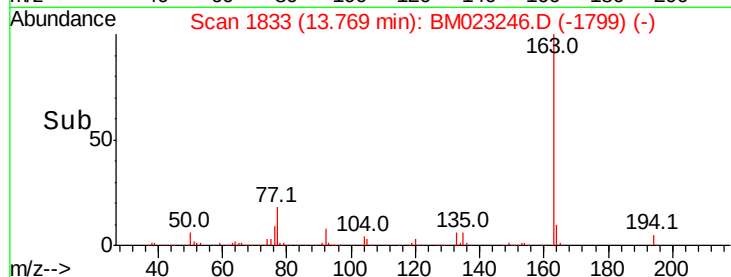
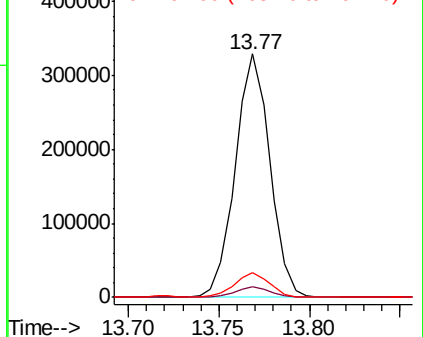
163 100

194 4.6 3.5 5.3

164 10.3 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



#50

Acenaphthene

Concen: 4.833 ng/ul

RT: 14.37 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

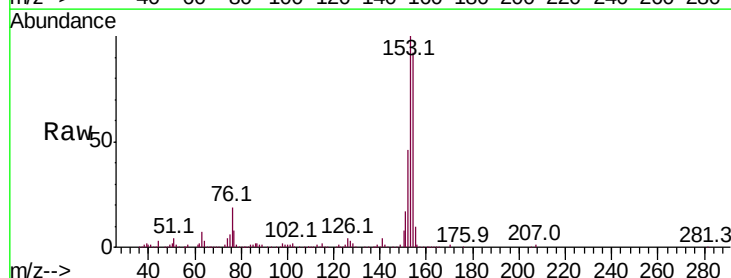
Tgt Ion:153 Resp: 275526

Ion Ratio Lower Upper

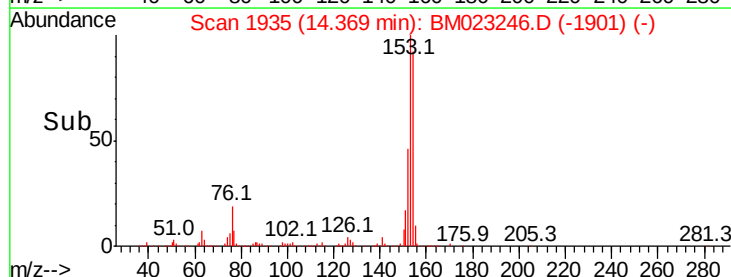
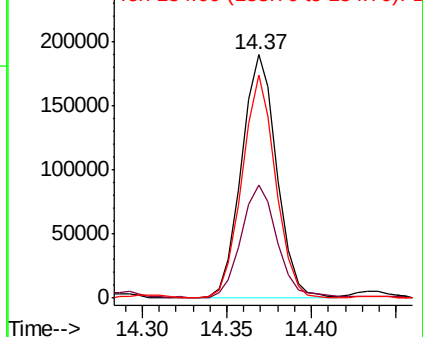
153 100

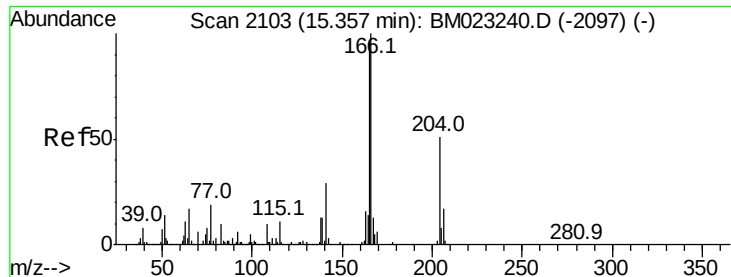
152 46.3 38.0 57.0

154 91.8 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





#59

Fluorene

Concen: 3.686 ng/ul

RT: 15.36 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

Instrument :

BNA_M

ClientSampleId :

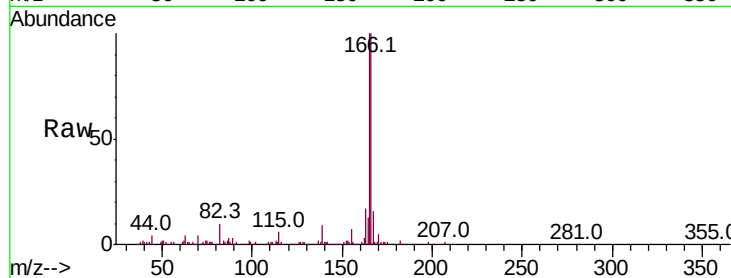
Tot Ion:166 Resp: 244780

Ion Ratio Lower Upper

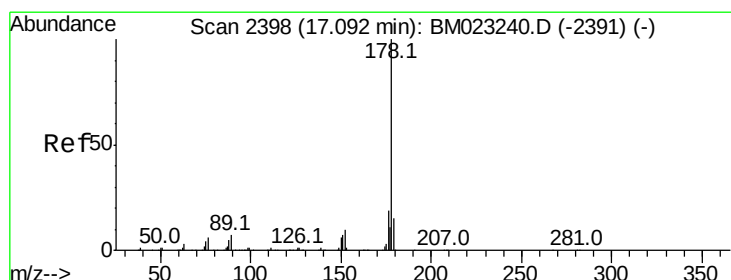
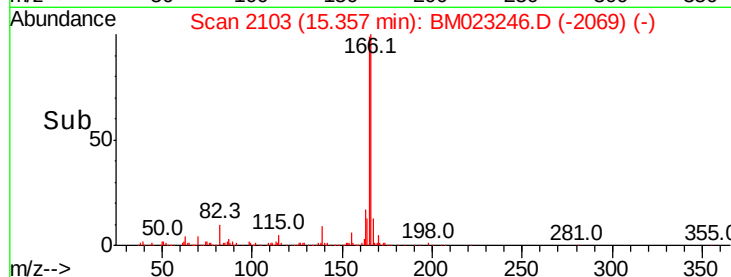
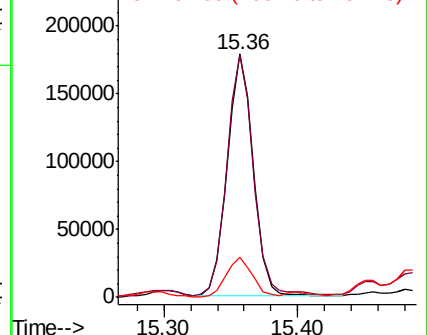
166 100

165 99.6 77.4 116.0

167 16.2 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: 42.425 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

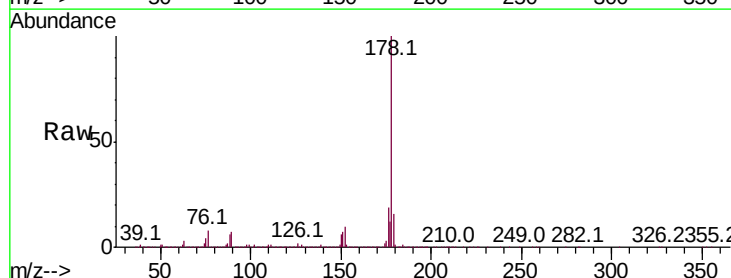
Tgt Ion:178 Resp: 4410289

Ion Ratio Lower Upper

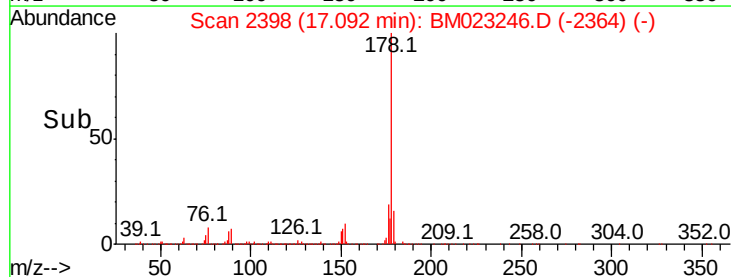
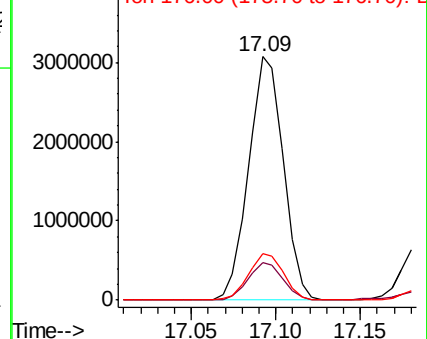
178 100

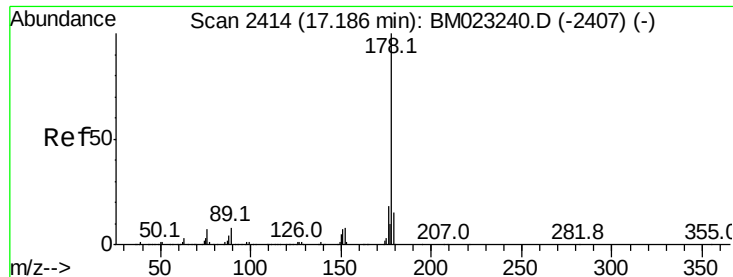
179 15.6 12.3 18.5

176 19.2 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: 8.714 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

Instrument :

BNA_M

ClientSampleId :

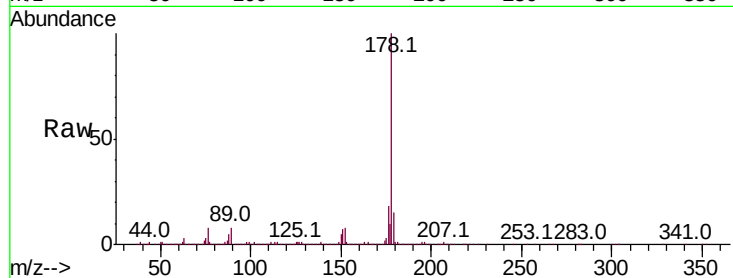
Tot Ion:178 Resp: 936103

Ion Ratio Lower Upper

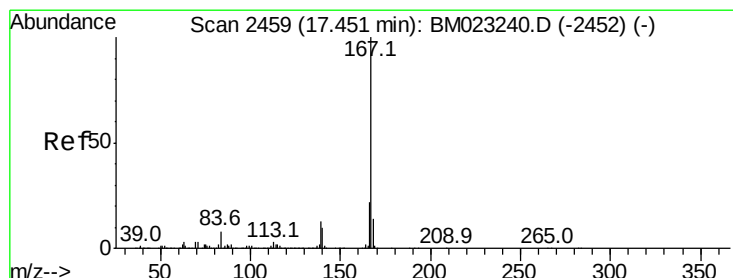
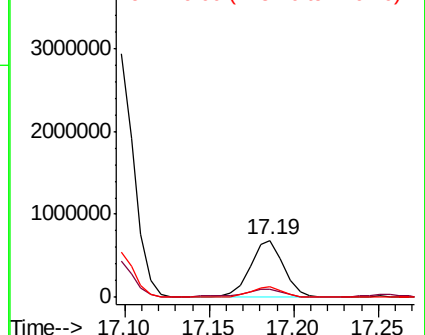
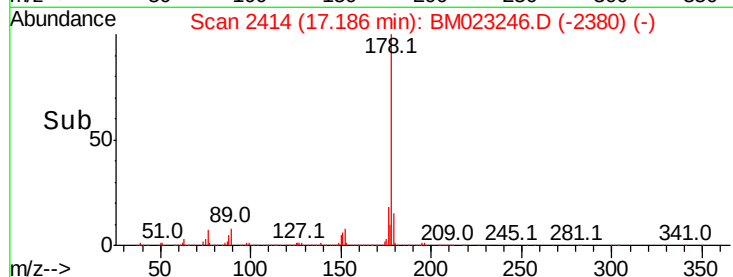
178 100

179 15.3 12.3 18.5

176 18.5 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: 1.340 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

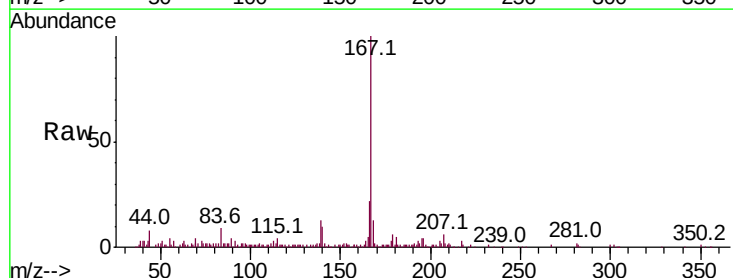
Tgt Ion:167 Resp: 128597

Ion Ratio Lower Upper

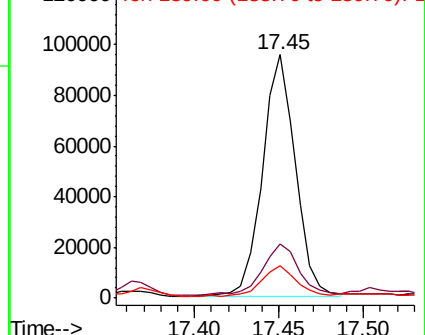
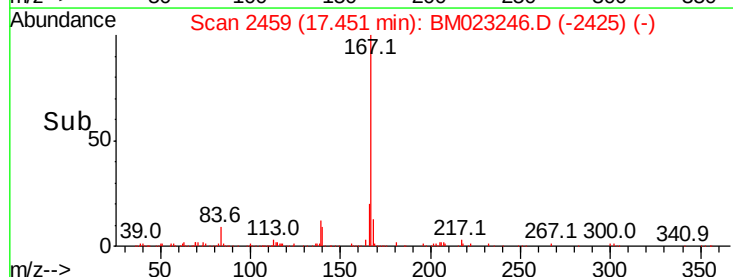
167 100

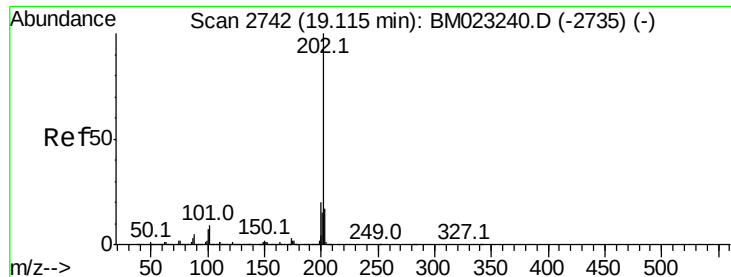
166 22.1 17.4 26.0

139 13.3 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

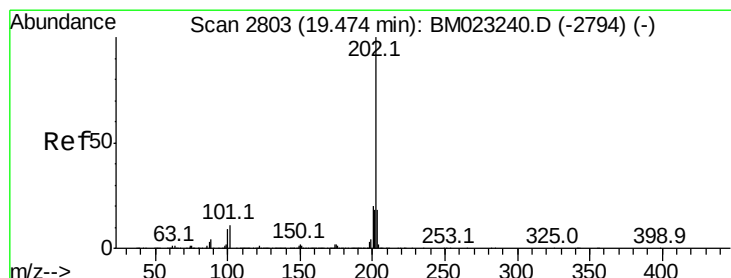
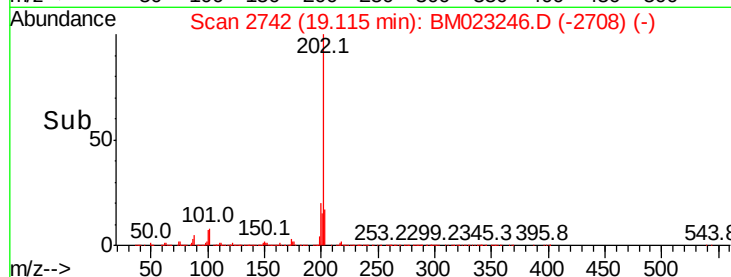
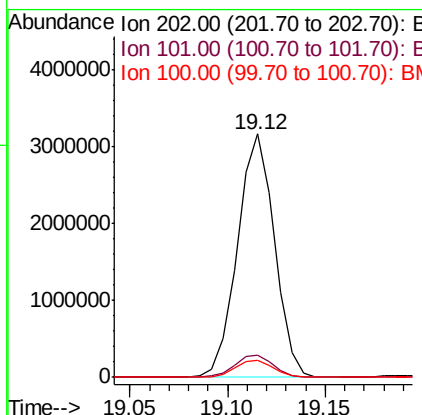
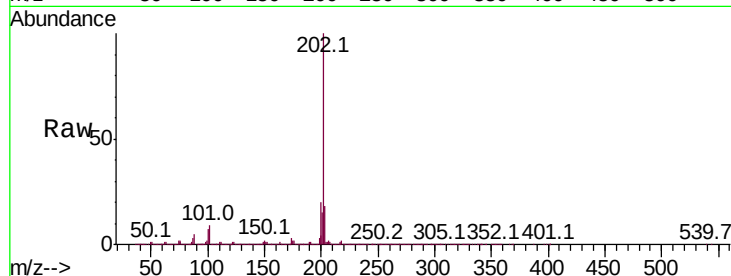




#77
 Fluoranthene
 Concen: 33.507 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. 0.00 min
 Lab File: BM023246.D
 Acq: 18 Oct 2019 07:40

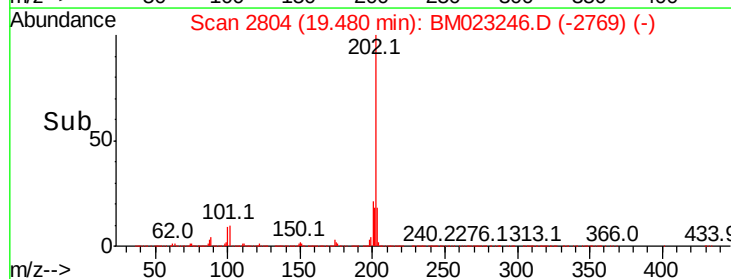
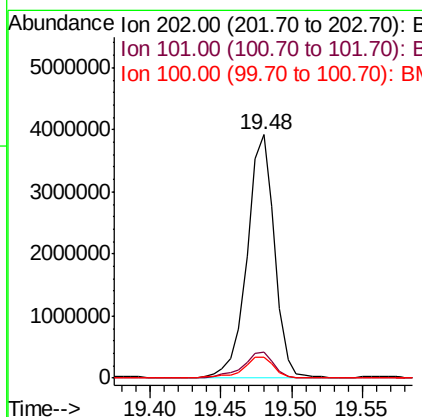
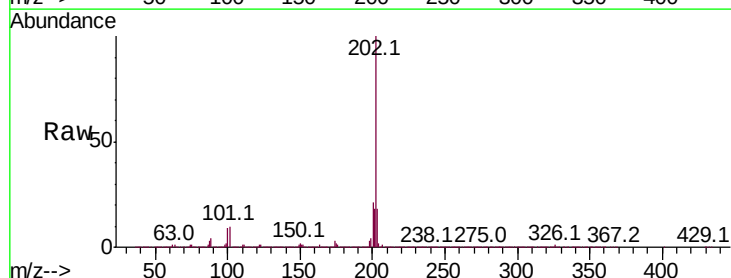
Instrument :
 BNA_M
 ClientSampleId :

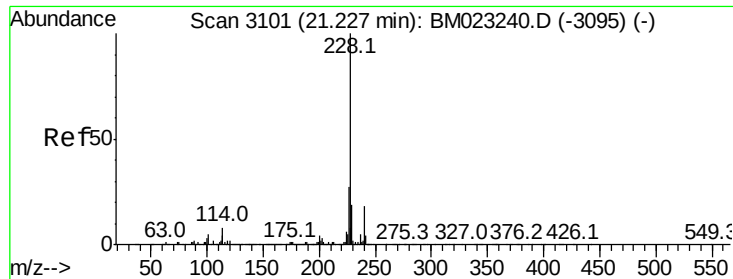
Tot Ion:202 Resp: 4142539
 Ion Ratio Lower Upper
 202 100
 101 9.1 7.8 11.8
 100 7.1 6.1 9.1



#80
 Pyrene
 Concen: 44.642 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023246.D
 Acq: 18 Oct 2019 07:40

Tgt Ion:202 Resp: 5323083
 Ion Ratio Lower Upper
 202 100
 101 10.4 9.1 13.7
 100 8.7 7.5 11.3



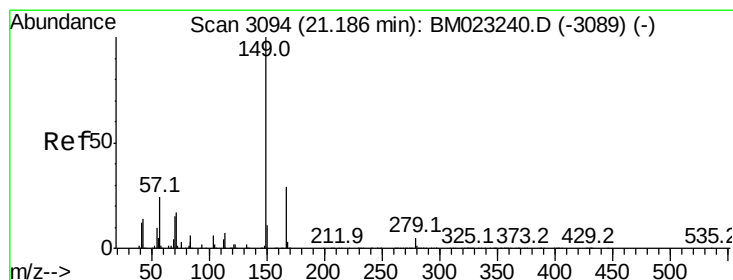
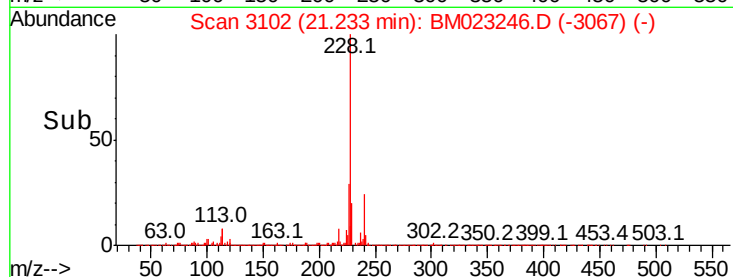
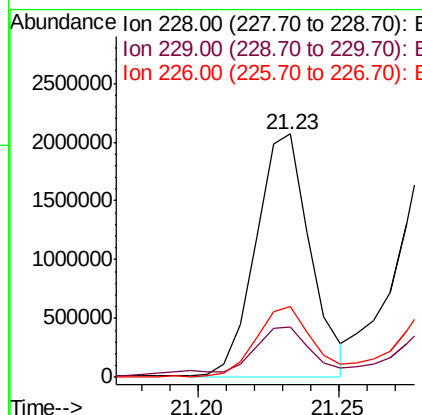
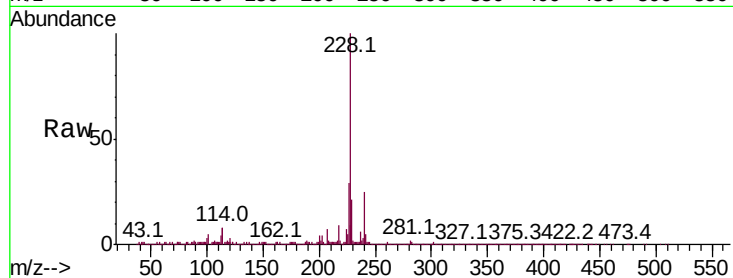


#83
 Benzo(a)anthracene
 Concen: 21.405 ng/ul
 RT: 21.23 min Scan# 3102
 Delta R.T. 0.01 min
 Lab File: BM023246.D
 Acq: 18 Oct 2019 07:40

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:228 Resp: 2760629

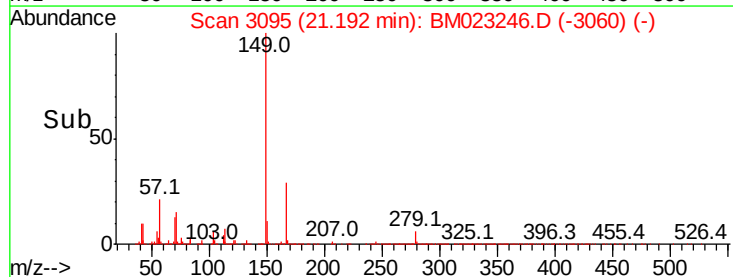
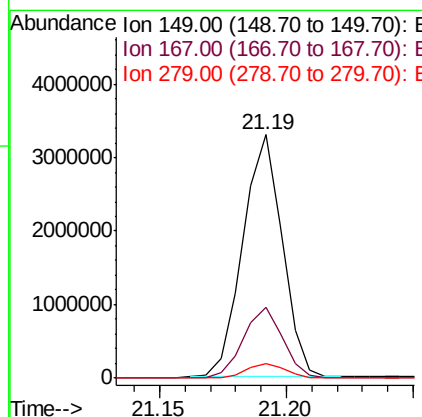
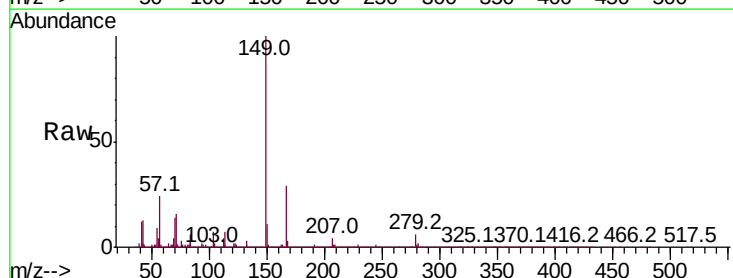
Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.7	23.5
226	29.1	21.6	32.4

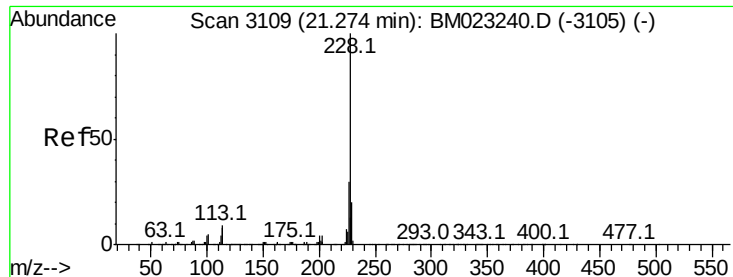


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 54.300 ng/ul
 RT: 21.19 min Scan# 3095
 Delta R.T. 0.01 min
 Lab File: BM023246.D
 Acq: 18 Oct 2019 07:40

Tgt Ion:149 Resp: 3580811

Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.5	33.7
279	5.9	4.0	6.0

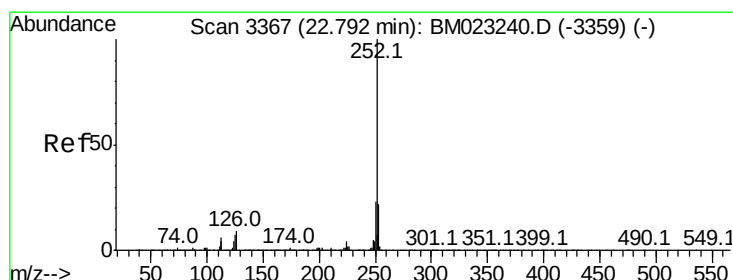
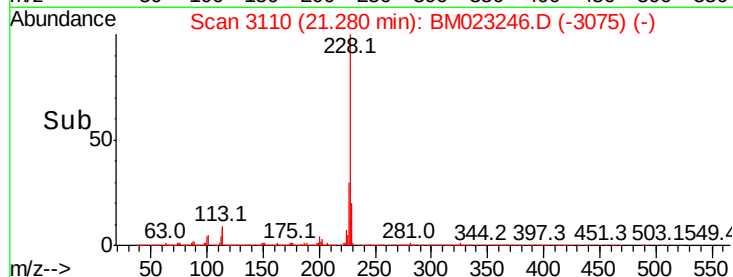
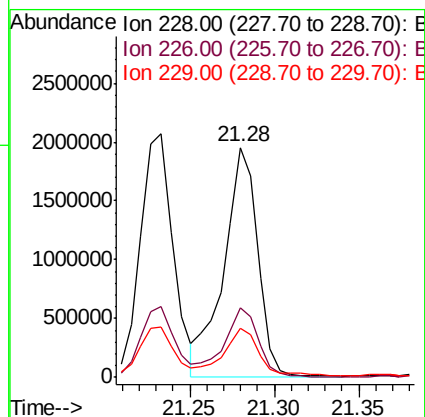
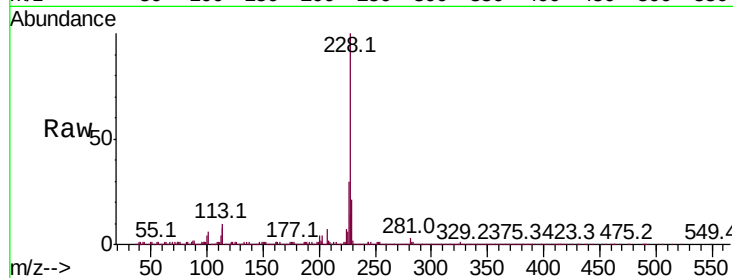




#85
Chrysene
Concen: 22.558 ng/ul
RT: 21.28 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BM023246.D
Acq: 18 Oct 2019 07:40

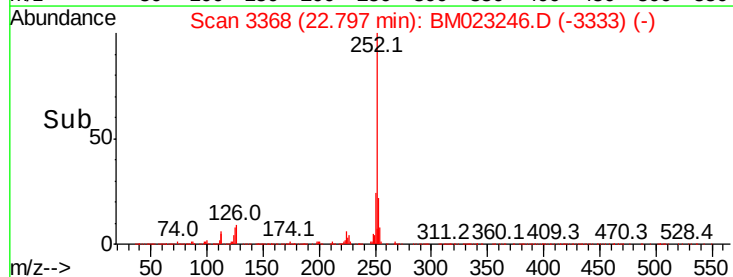
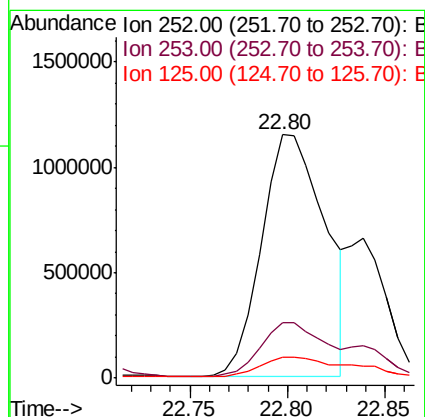
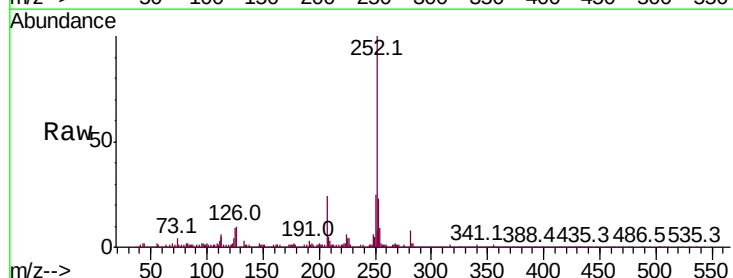
Instrument :
BNA_M
ClientSampleId :

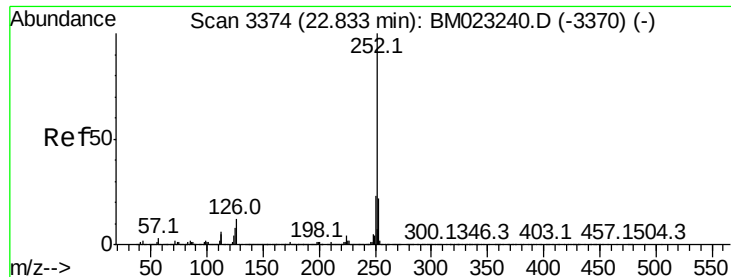
Tot Ion:228 Resp: 2701372
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.6
229 21.1 15.5 23.3



#88
Benzo(b)fluoranthene
Concen: 18.496 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. 0.01 min
Lab File: BM023246.D
Acq: 18 Oct 2019 07:40

Tgt Ion:252 Resp: 2587961
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 8.8 6.4 9.6





#89

Benzo(k)fluoranthene

Concen: 19.262 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. -0.04 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

Instrument :

BNA_M

ClientSampleId :

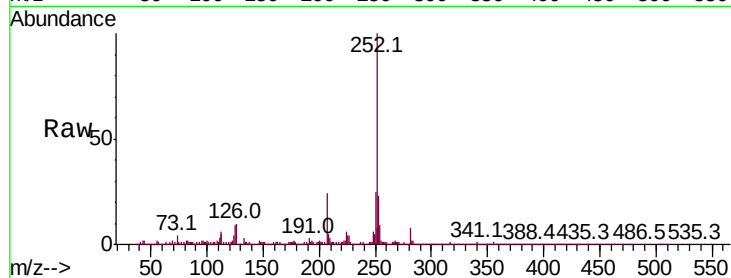
Tot Ion:252 Resp: 2587961

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

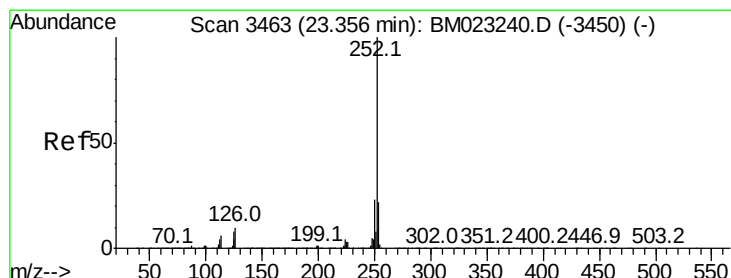
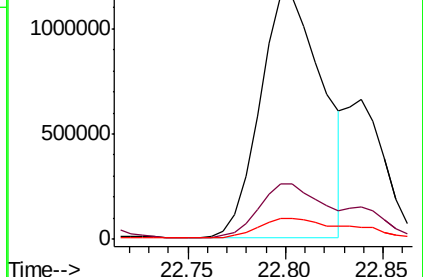
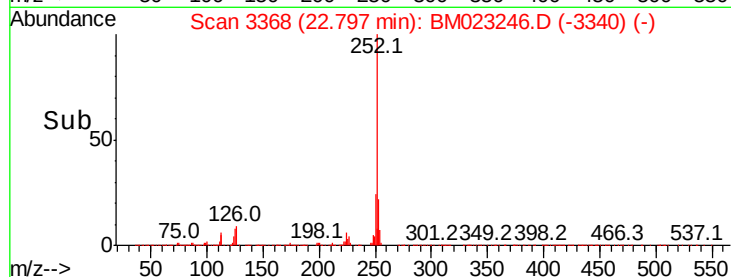
125 8.8 6.5 9.7



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: 16.257 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

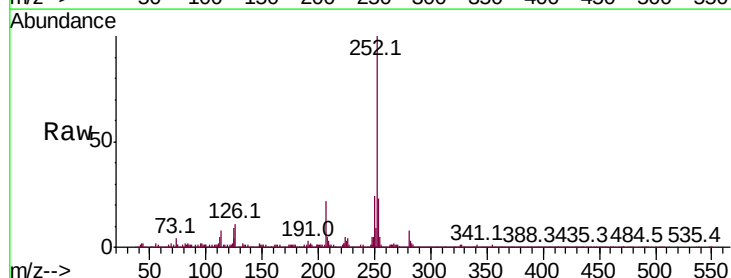
Tgt Ion:252 Resp: 2182292

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

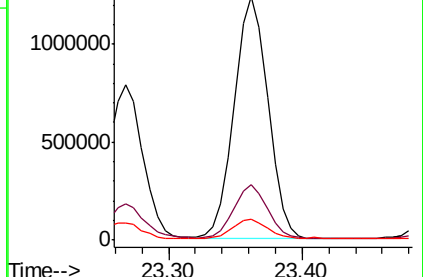
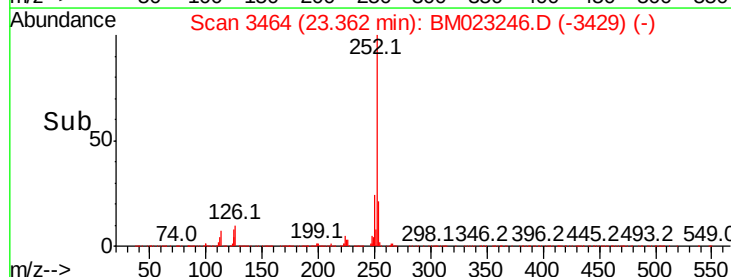
125 8.8 7.4 11.0

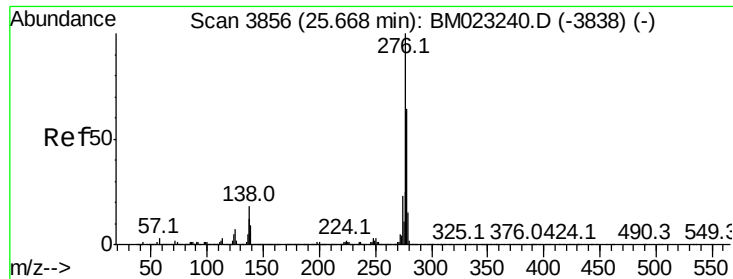


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



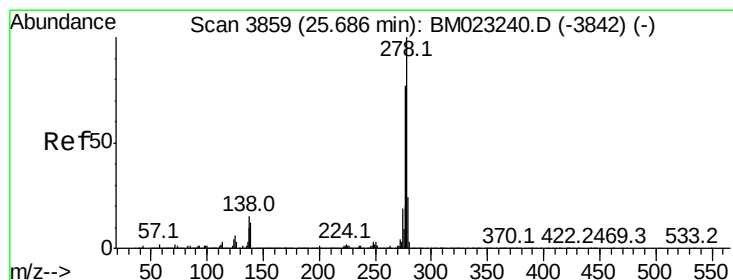
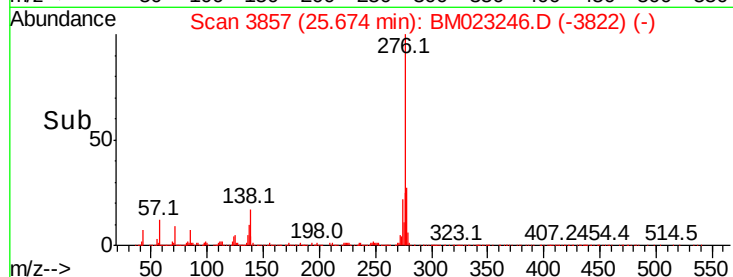
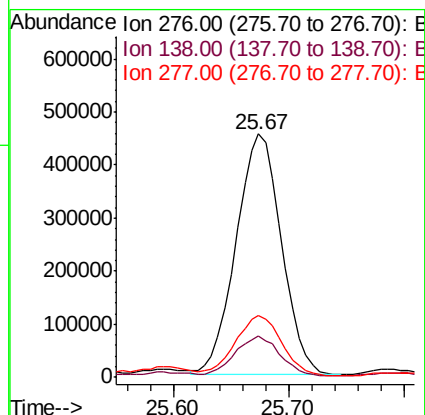
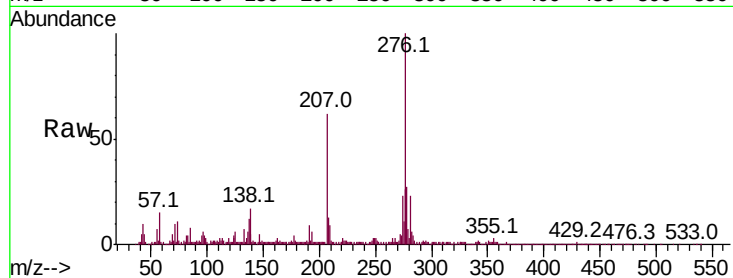


#92

Indeno(1,2,3-cd)pyrene
Concen: 7.741 ng/ul
RT: 25.67 min Scan# 3857
Delta R.T. 0.01 min
Lab File: BM023246.D
Acq: 18 Oct 2019 07:40

Instrument :
BNA_M
ClientSampleId :

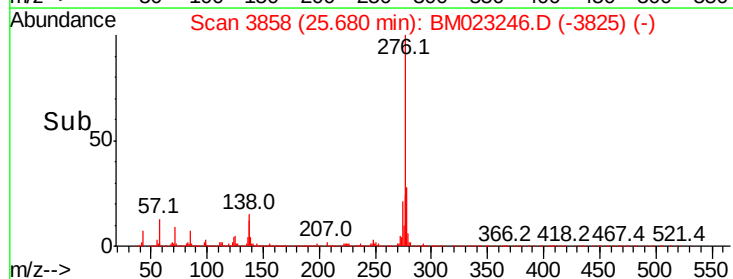
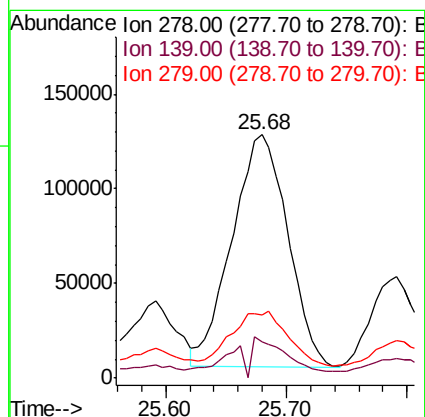
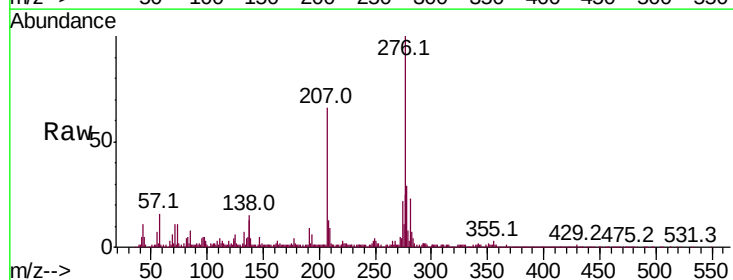
Tot Ion:276 Resp: 1236249
Ion Ratio Lower Upper
276 100
138 17.0 14.9 22.3
277 25.6 19.8 29.8

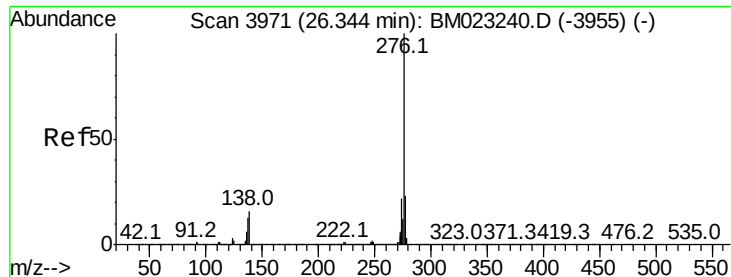


#93

Dibenzo(a,h)anthracene
Concen: 2.937 ng/ul
RT: 25.68 min Scan# 3858
Delta R.T. -0.01 min
Lab File: BM023246.D
Acq: 18 Oct 2019 07:40

Tgt Ion:278 Resp: 392189
Ion Ratio Lower Upper
278 100
139 15.0 10.0 15.0
279 26.2 19.4 29.0





#94

Benzo(a,h,i)perylene

Concen: 9.295 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. 0.01 min

Lab File: BM023246.D

Acq: 18 Oct 2019 07:40

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 1222220

Ion Ratio Lower Upper

276 100

138 16.4 14.4 21.6

277 24.9 19.4 29.2

