

Data File : BM023707.D
Acq On : 13 Nov 2019 21:19
Operator : JU
Sample : K5678-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLM93

Quant Time: Nov 14 01:17:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 14 01:13:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	494575	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	2128537	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	1365785	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	2531462	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	1831375	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	2166213	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	31394	2.62	ng/uL	0.00
5) Phenol-d5	6.73	99	877186	19.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	508387	19.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.08	132	706661	21.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	748195	20.80	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	369251	24.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	429879	26.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	828517	22.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	685343	17.09	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	2518168	23.64	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	3021259	24.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	192559	10.59	ng/ul	0.00
58) Fluorene-d10	15.20	176	2172533	23.10	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.33	200	236763	16.17	ng/ul	0.00
71) Anthracene-d10	17.04	188	2971963	24.75	ng/ul	0.00
79) Pyrene-d10	19.35	212	2671800	27.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.20	264	2737289	24.01	ng/ul	0.02

Target Compounds

					Qvalue
4) Benzaldehyde	6.69	77	36594	1.384	ng/ul 88
6) Phenol	6.76	94	70703	1.522	ng/ul 97
11) 2-Methylphenol	7.99	108	144224	4.161	ng/ul 97
14) Acetophenone	8.36	105	63839	1.138	ng/ul 98
28) Naphthalene	10.36	128	192745	1.723	ng/ul 99
34) 2-Methylnaphthalene	11.99	142	334768	3.912	ng/ul 96
35) 1-Methylnaphthalene	12.21	142	148648	1.761	ng/ul 95
45) Dimethylphthalate	13.66	163	390309	3.739	ng/ul 100
50) Acenaphthene	14.26	153	146382	1.686	ng/ul 100
54) Dibenzofuran	14.60	168	195244	1.519	ng/ul 94
59) Fluorene	15.25	166	159751	1.532	ng/ul 99
70) Phenanthrene	16.99	178	915672	6.567	ng/ul 97
72) Anthracene	16.99	178	915381	6.529	ng/ul 96
75) Carbazole	17.35	167	123932	1.060	ng/ul# 74
76) Di-n-butylphthalate	17.93	149	396318	3.075	ng/ul# 92
77) Fluoranthene	19.02	202	744583	4.984	ng/ul 98
80) Pyrene	19.38	202	582404	4.920	ng/ul 98
81) Butylbenzylphthalate	20.30	149	48327	1.289	ng/ul# 84
83) Benzo(a)anthracene	21.14	228	259288	2.146	ng/ul# 83
84) Bis(2-ethylhexyl)phthalate	21.10	149	1066492	18.840	ng/ul# 92
85) Chrysene	21.19	228	305383	2.685	ng/ul# 80
88) Benzo(b)fluoranthene	22.69	252	411277	2.978	ng/ul# 1
89) Benzo(k)fluoranthene	22.69	252	411277	3.091	ng/ul# 1

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111319\
Quantitation Report (Not Reviewed)

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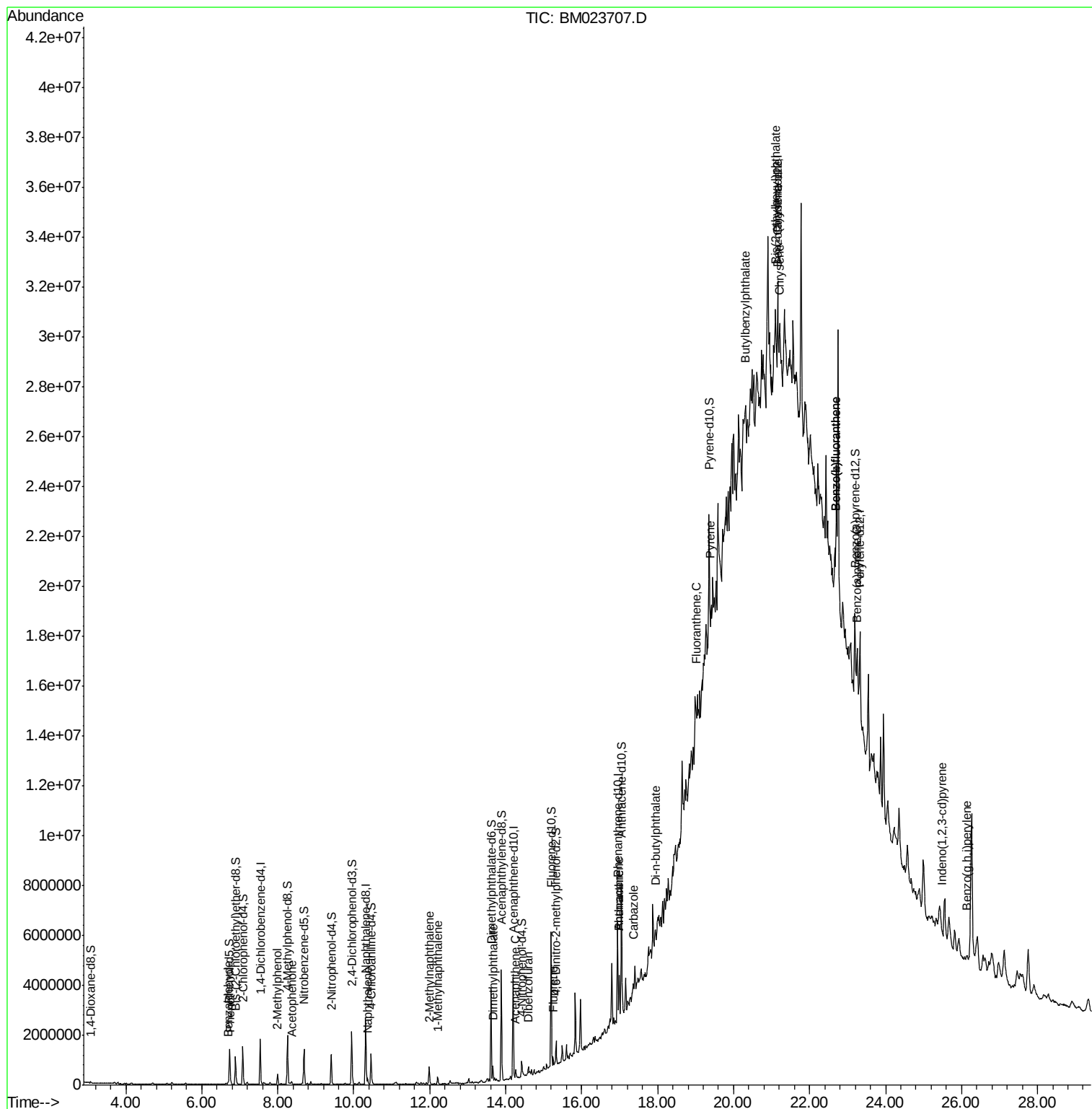
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.23	252	218439	1.728	ng/ul#	1
92) Indeno(1,2,3-cd)pyrene	25.49	276	161065	1.192	ng/ul#	73
94) Benzo(g,h,i)perylene	26.14	276	180640	1.649	ng/ul#	79

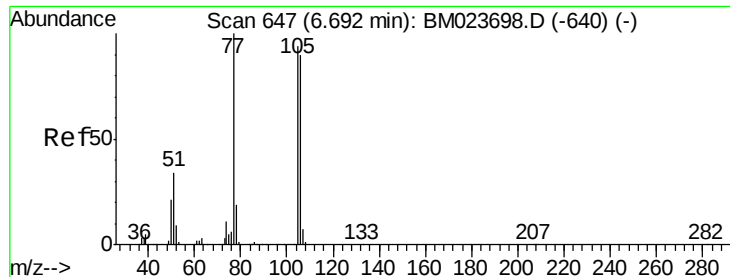
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#4

Benzaldehyde

Concen: 1.384 ng/ul

RT: 6.69 min Scan# 647

Delta R.T. -0.00 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampleId :

JLM93

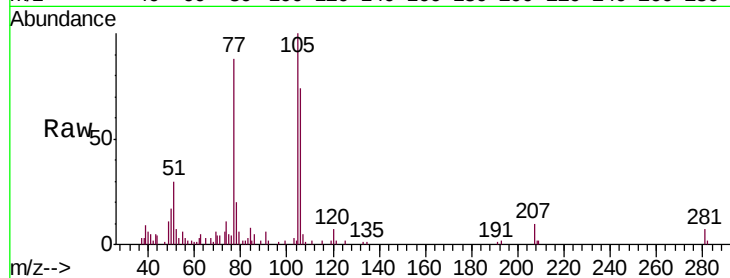
Tgt Ion: 77 Resp: 36594

Ion Ratio Lower Upper

77 100

105 113.4 75.9 113.9

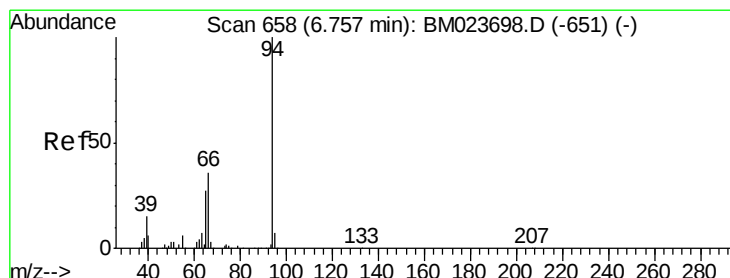
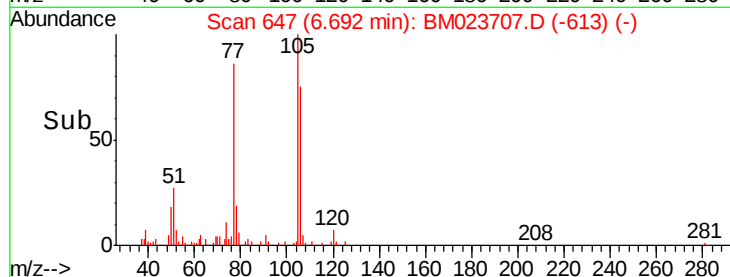
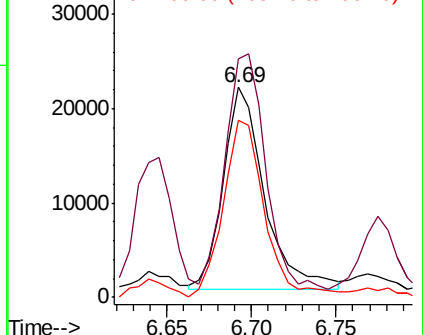
106 84.0 70.2 105.4



Abundance Ion 77.00 (76.70 to 77.70): BM023707.D (-613) (-)

Ion 105.00 (104.70 to 105.70): BM023707.D (-613) (-)

Ion 106.00 (105.70 to 106.70): BM023707.D (-613) (-)



#6

Phenol

Concen: 1.522 ng/ul

RT: 6.76 min Scan# 658

Delta R.T. -0.00 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

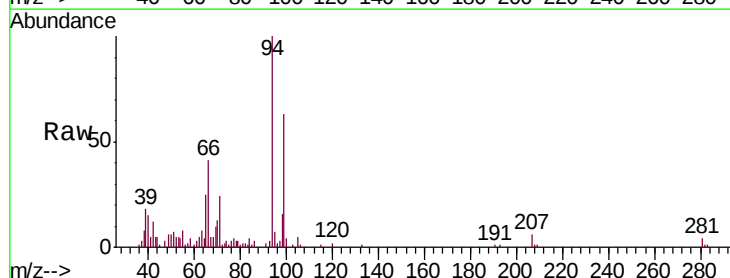
Tgt Ion: 94 Resp: 70703

Ion Ratio Lower Upper

94 100

65 25.1 21.4 32.2

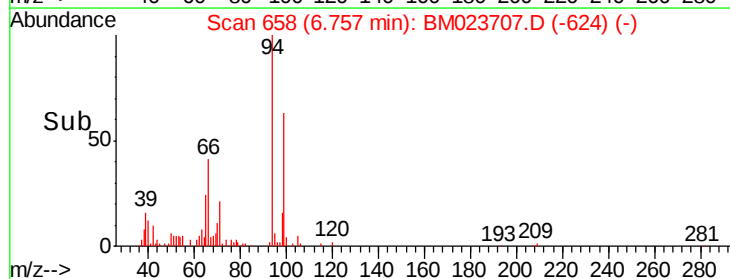
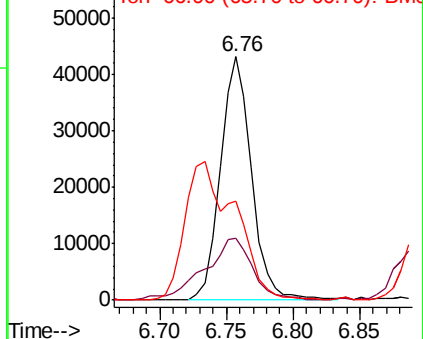
66 40.6 30.7 46.1

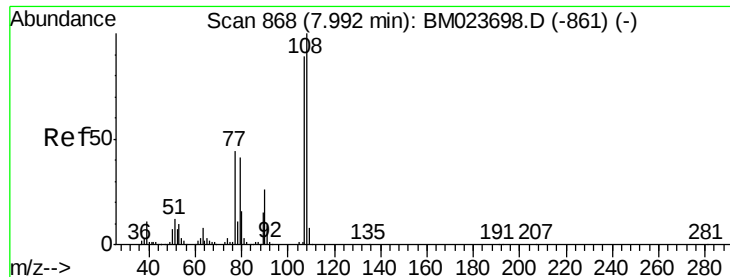


Abundance Ion 94.00 (93.70 to 94.70): BM023707.D (-624) (-)

Ion 65.00 (64.70 to 65.70): BM023707.D (-624) (-)

Ion 66.00 (65.70 to 66.70): BM023707.D (-624) (-)

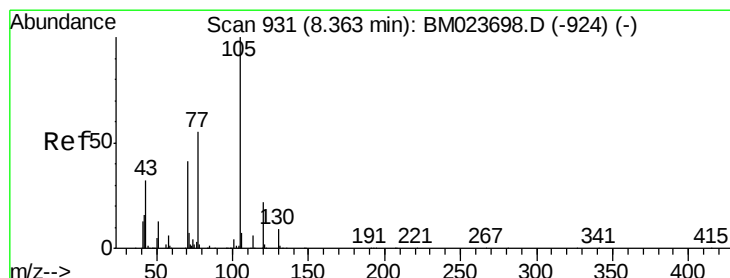
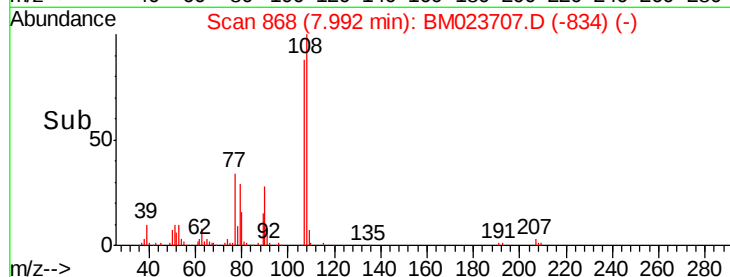
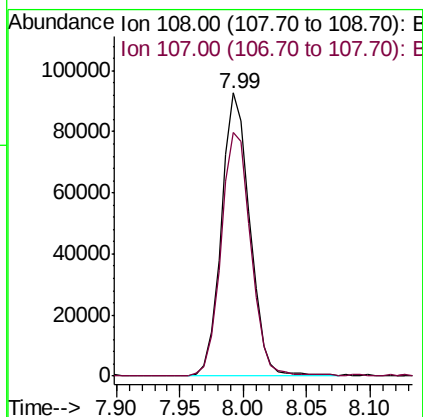
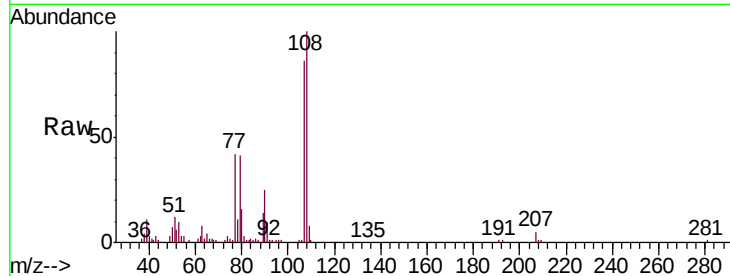




#11
2-Methylphenol
Concen: 4.161 ng/ul
RT: 7.99 min Scan# 868
Delta R.T. -0.00 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

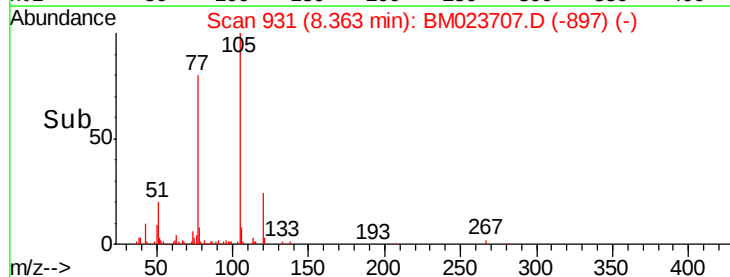
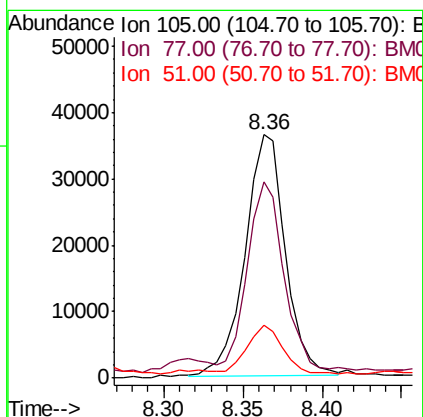
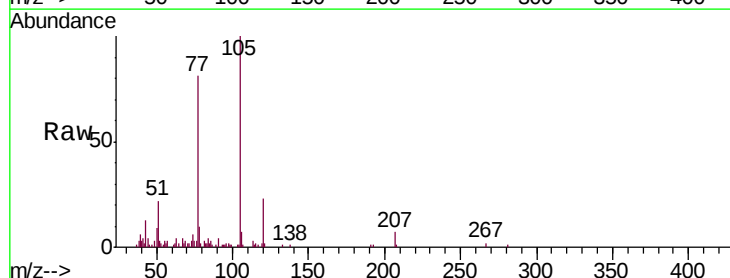
Instrument :
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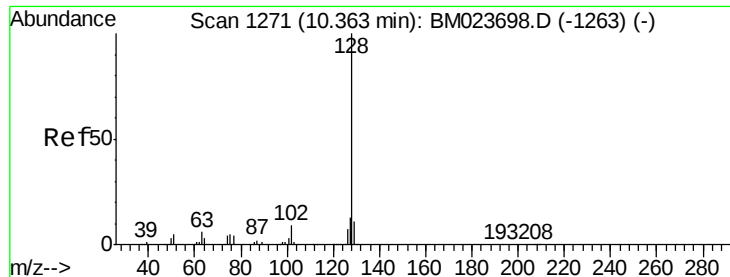
Tgt Ion:108 Resp: 144224
Ion Ratio Lower Upper
108 100
107 86.2 71.4 107.2



#14
Acetophenone
Concen: 1.138 ng/ul
RT: 8.36 min Scan# 931
Delta R.T. -0.00 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

Tgt Ion:105 Resp: 63839
Ion Ratio Lower Upper
105 100
77 80.9 63.8 95.6
51 21.5 16.3 24.5

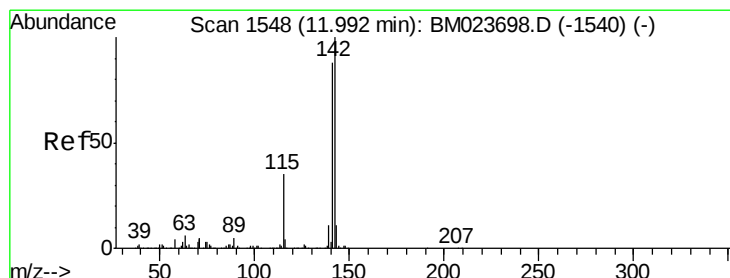
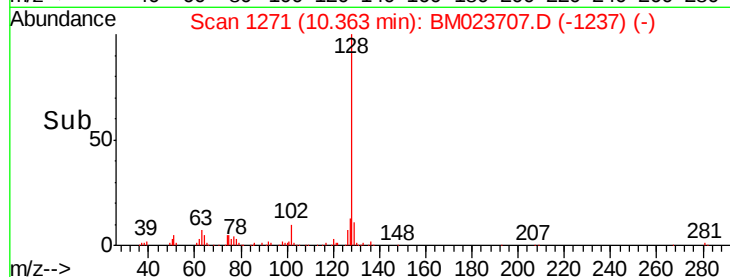
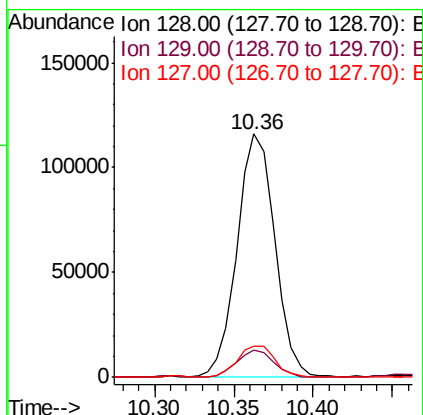
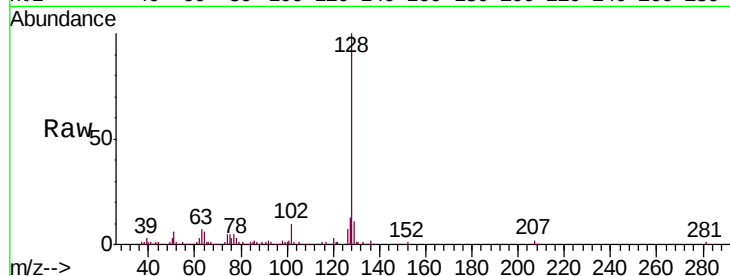




#28
Naphthalene
Concen: 1.723 ng/ul
RT: 10.36 min Scan# 1271
Delta R.T. -0.00 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

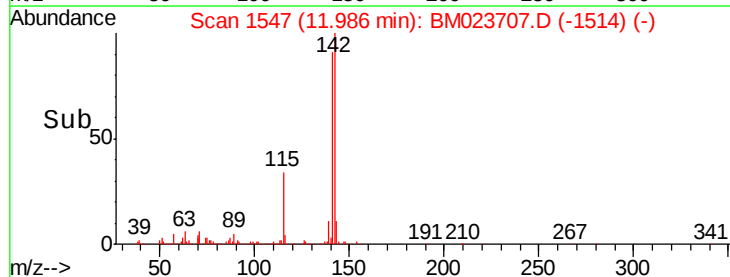
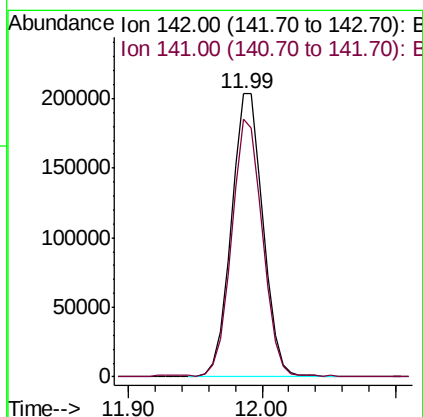
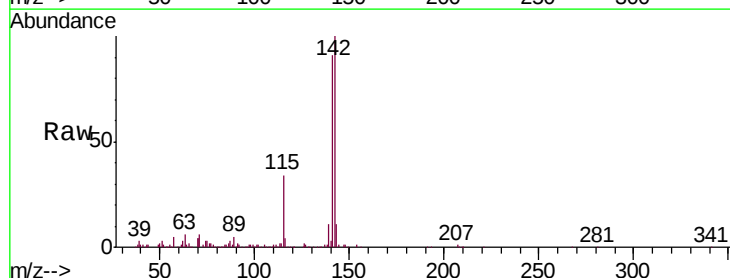
Instrument :
BNA_M
ClientSampleId :
JLM93

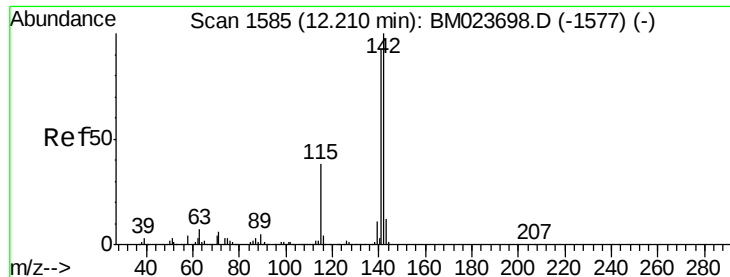
Tgt Ion:128 Resp: 192745
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.0 10.6 16.0



#34
2-Methylnaphthalene
Concen: 3.912 ng/ul
RT: 11.99 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

Tgt Ion:142 Resp: 334768
Ion Ratio Lower Upper
142 100
141 91.0 69.8 104.8





#35

1-Methylnaphthalene

Concen: 1.761 ng/ul

RT: 12.21 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampleId :

JLM93

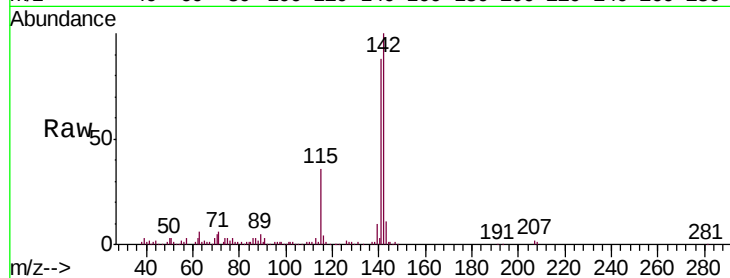
Tgt Ion:142 Resp: 148648

Ion Ratio Lower Upper

142 100

141 88.1 74.6 112.0

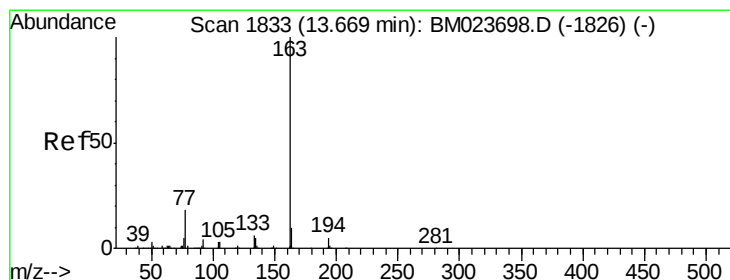
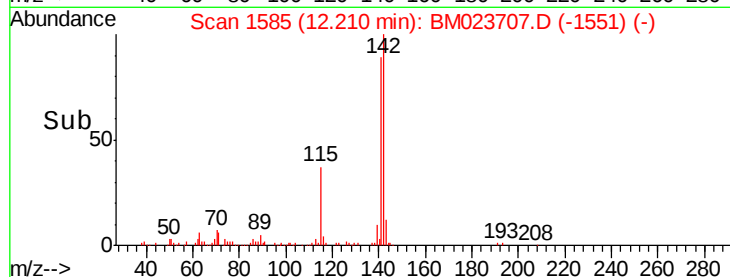
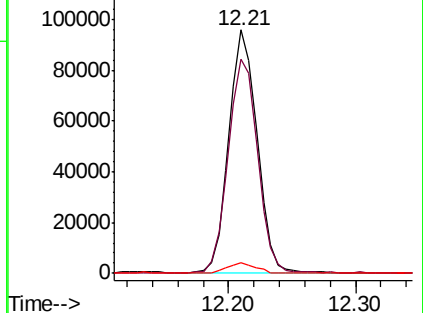
116 4.1 3.2 4.8



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: 3.739 ng/ul

RT: 13.66 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

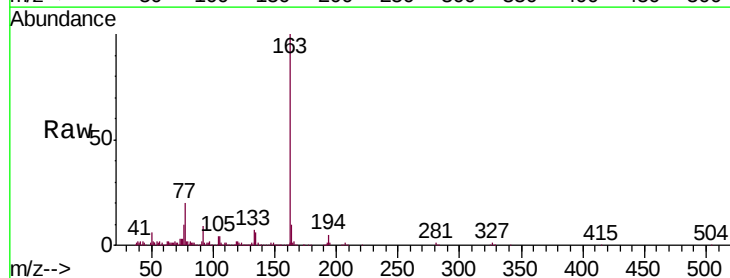
Tgt Ion:163 Resp: 390309

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

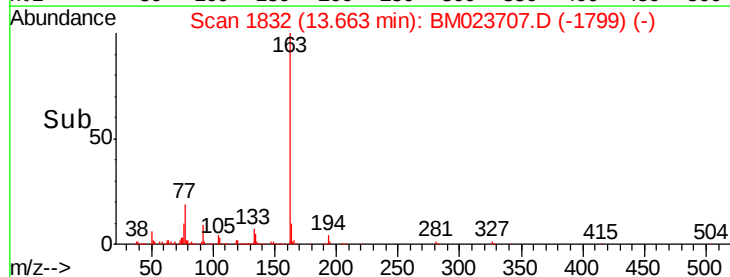
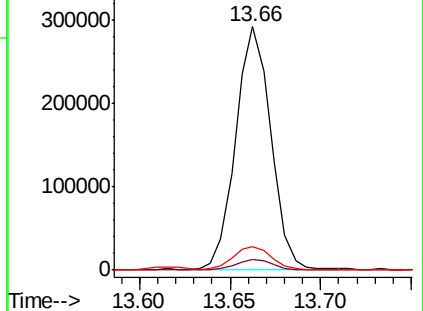
164 9.9 8.0 12.0

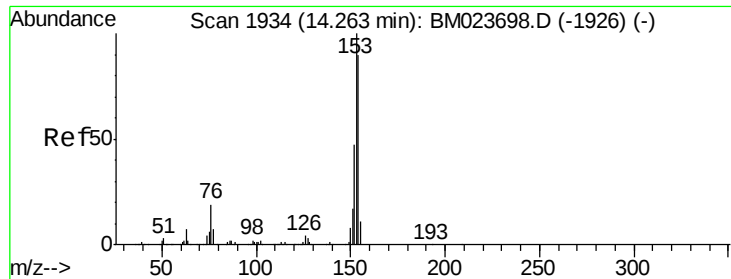


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 1.686 ng/ul

RT: 14.26 min Scan# 1933

Delta R.T. -0.01 min

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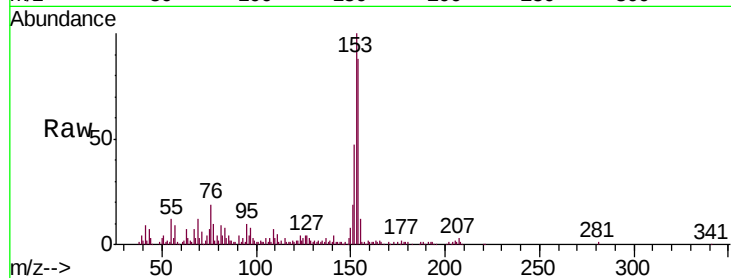
Tgt Ion:153 Resp: 146382

Ion Ratio Lower Upper

153 100

152 46.8 37.7 56.5

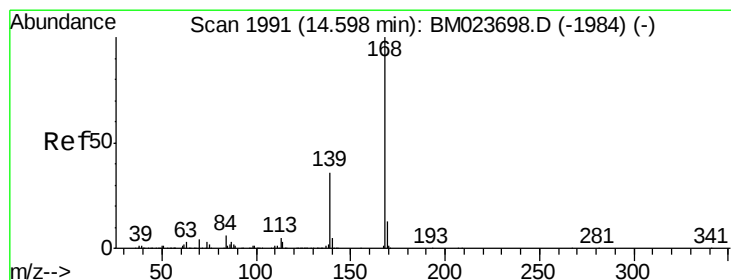
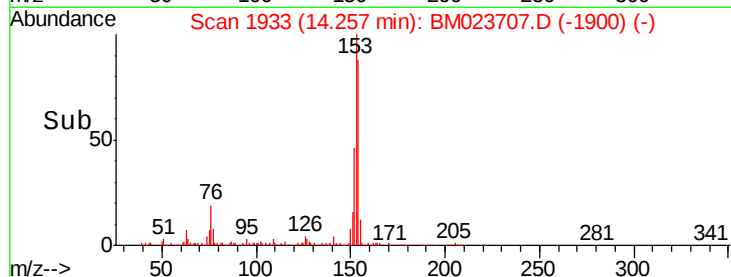
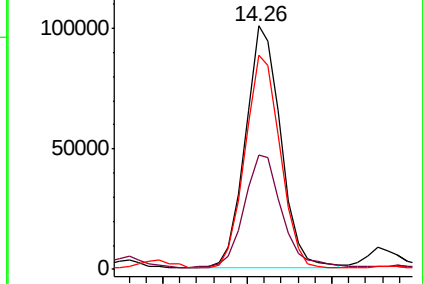
154 88.0 70.6 106.0



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.519 ng/ul

RT: 14.60 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BM023707.D

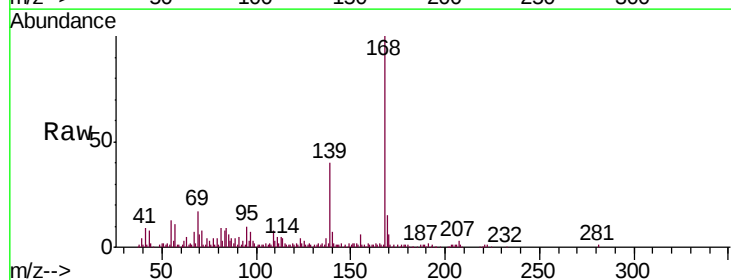
Acq: 13 Nov 2019 21:19

Tgt Ion:168 Resp: 195244

Ion Ratio Lower Upper

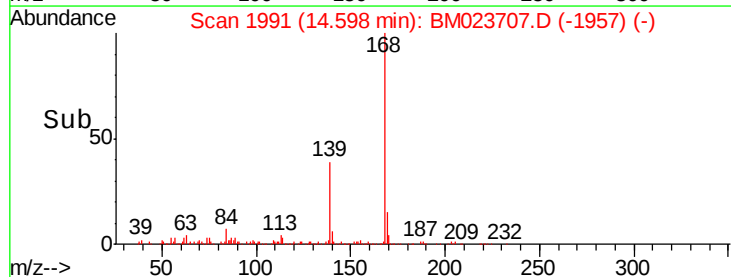
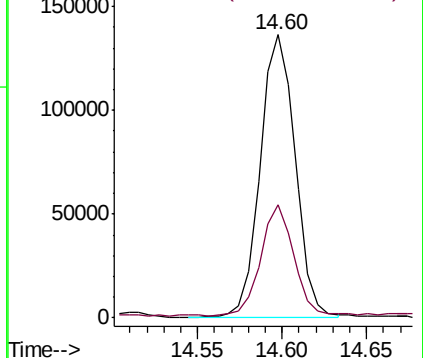
168 100

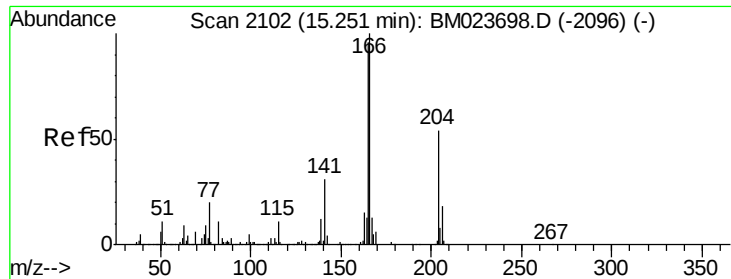
139 39.9 29.3 43.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.532 ng/ul

RT: 15.25 min Scan# 2102

Delta R.T. -0.00 min

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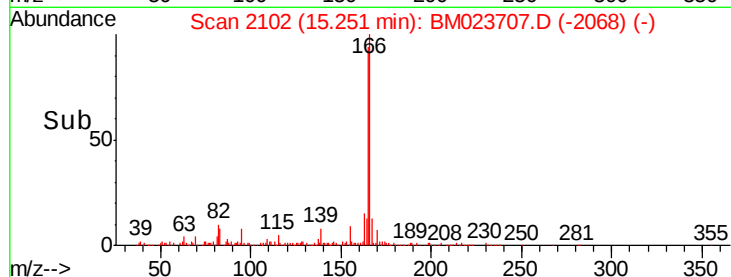
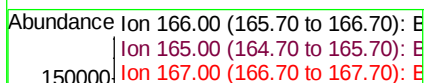
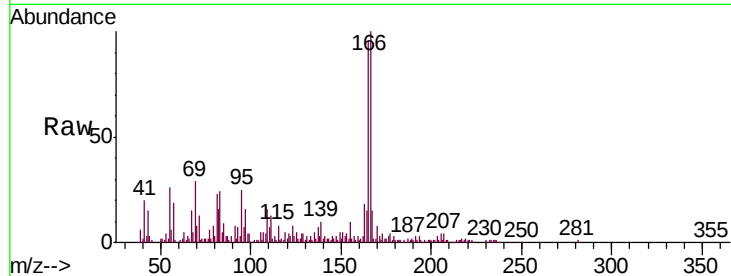
Tgt Ion:166 Resp: 159751

Ion Ratio Lower Upper

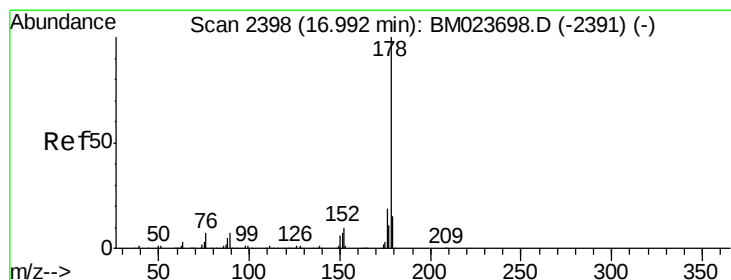
166 100

165 96.0 77.2 115.8

167 15.1 10.9 16.3



Time-->



#70

Phenanthrene

Concen: 6.567 ng/ul

RT: 16.99 min Scan# 2397

Delta R.T. -0.01 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

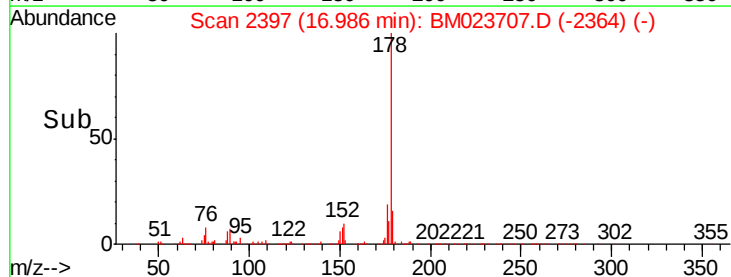
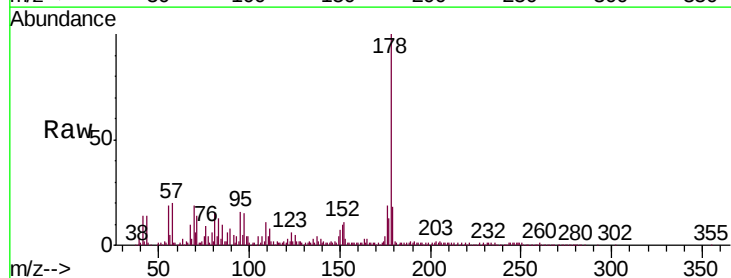
Tgt Ion:178 Resp: 915672

Ion Ratio Lower Upper

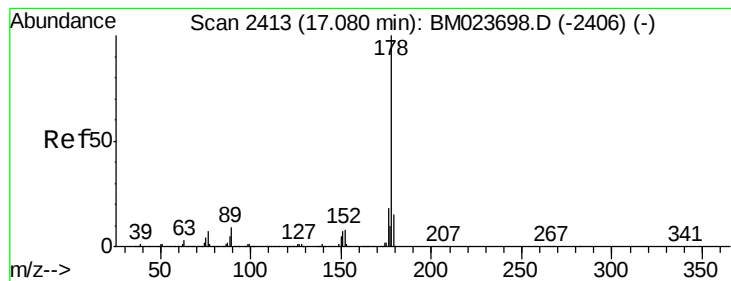
178 100

179 17.9 12.3 18.5

176 19.1 15.0 22.6



Time-->



#72

Anthracene

Concen: 6.529 ng/ul

RT: 16.99 min Scan# 2397

Delta R.T. -0.09 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampleId :

JLM93

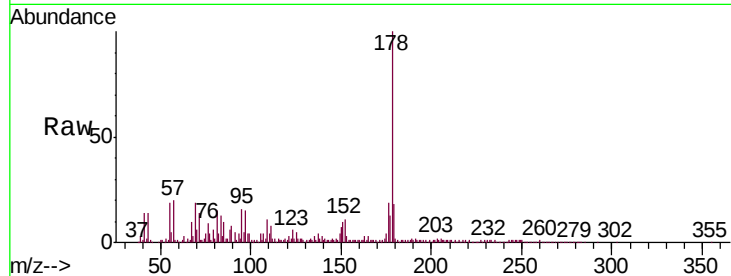
Tgt Ion:178 Resp: 915381

Ion Ratio Lower Upper

178 100

179 17.9 12.3 18.5

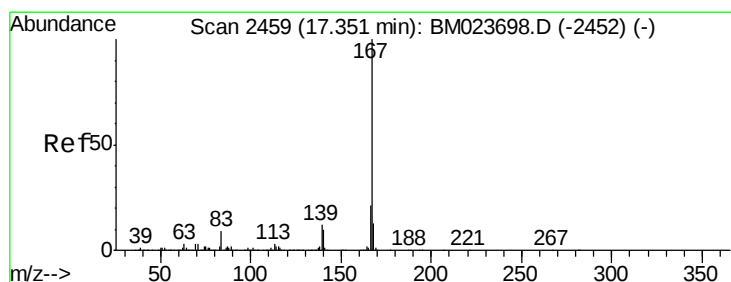
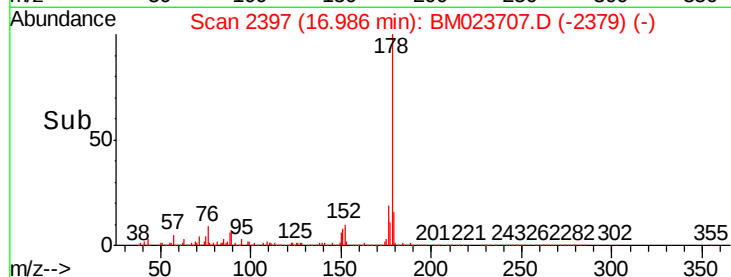
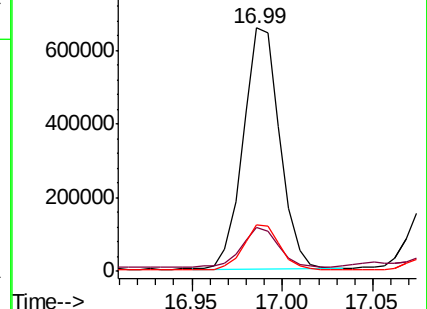
176 19.1 14.7 22.1



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: 1.060 ng/ul

RT: 17.35 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

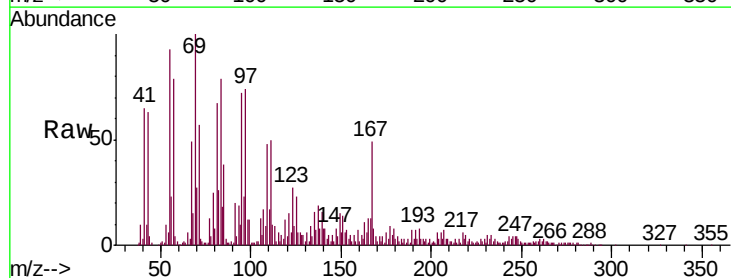
Tgt Ion:167 Resp: 123932

Ion Ratio Lower Upper

167 100

166 26.7 17.1 25.7#

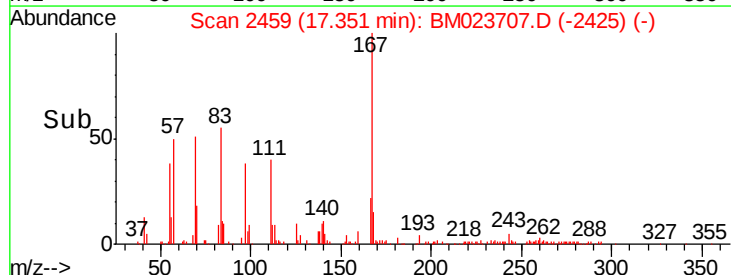
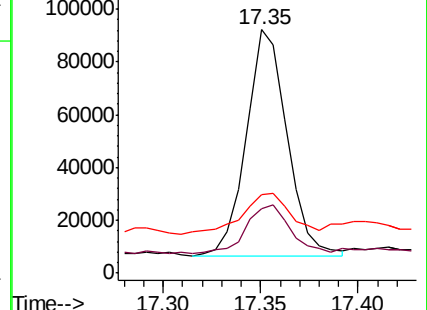
139 32.0 9.8 14.6#

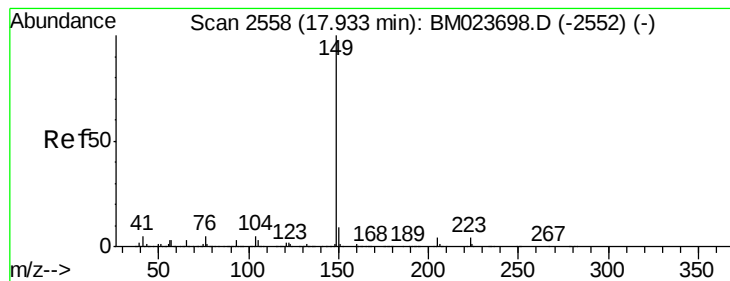


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 3.075 ng/ul

RT: 17.93 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampleId :

JLM93

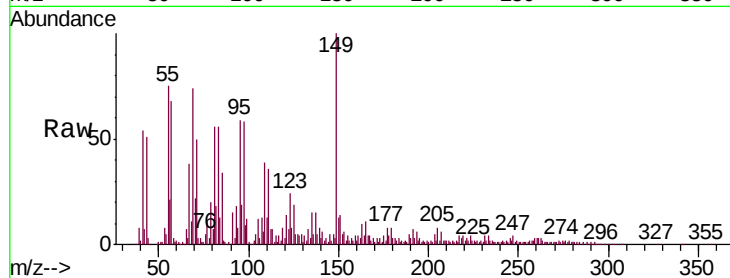
Tgt Ion:149 Resp: 396318

Ion Ratio Lower Upper

149 100

150 13.2 7.1 10.7#

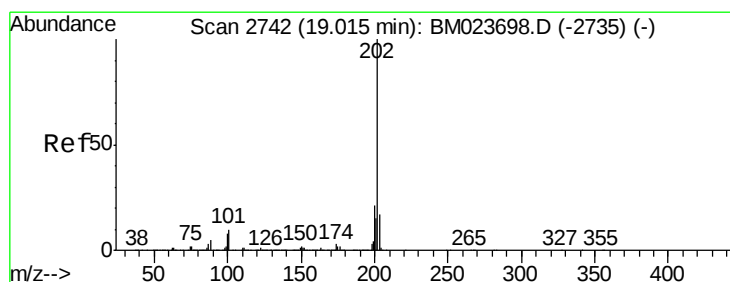
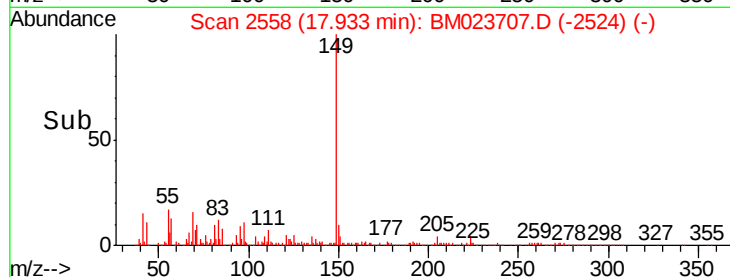
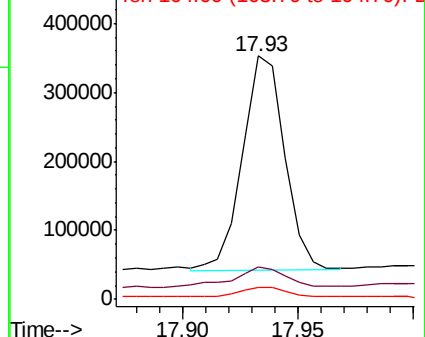
104 5.0 4.2 6.2



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: 4.984 ng/ul

RT: 19.02 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

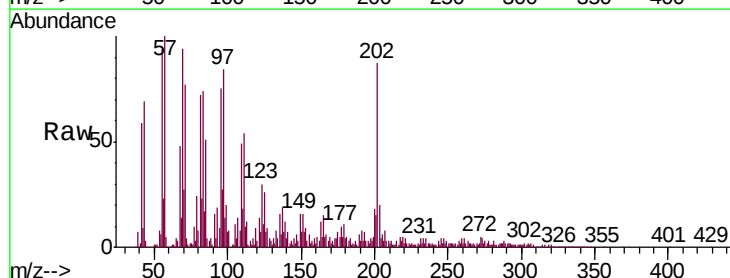
Tgt Ion:202 Resp: 744583

Ion Ratio Lower Upper

202 100

101 9.3 7.7 11.5

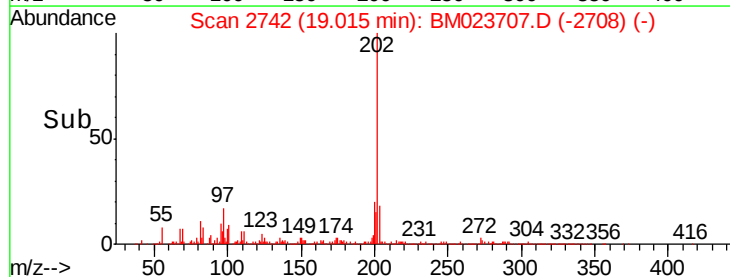
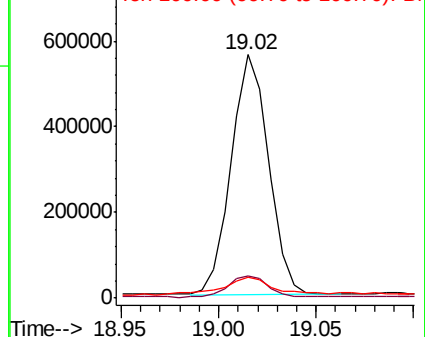
100 8.4 6.0 9.0

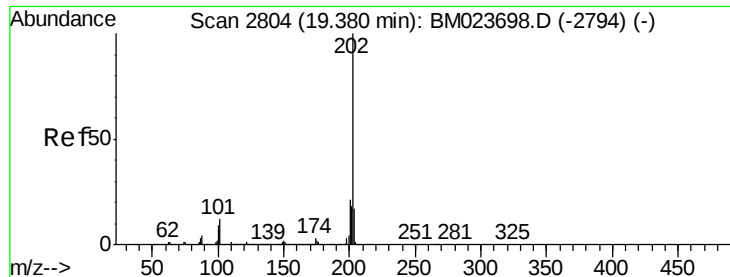


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

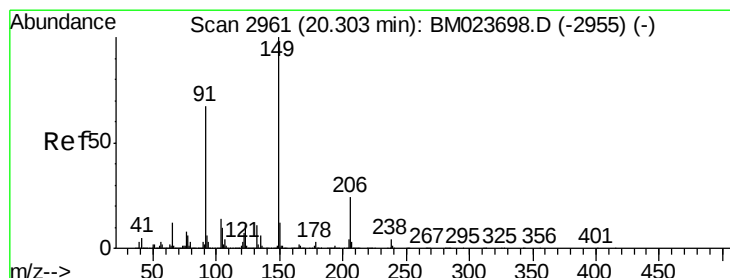
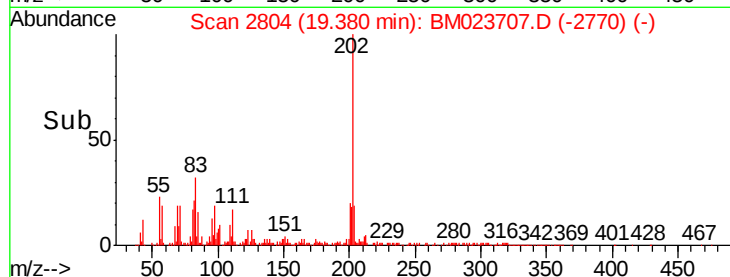
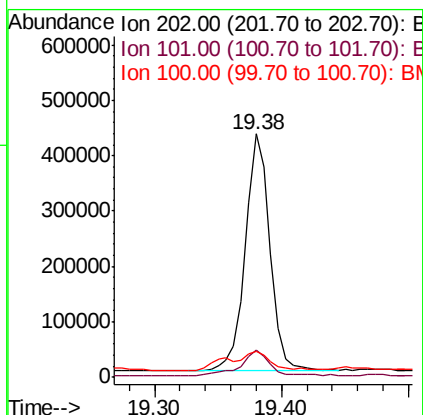
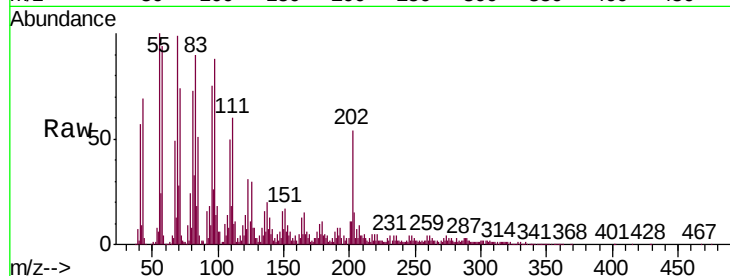




#80
Pyrene
Concen: 4.920 ng/ul
RT: 19.38 min Scan# 2804
Delta R.T. -0.00 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

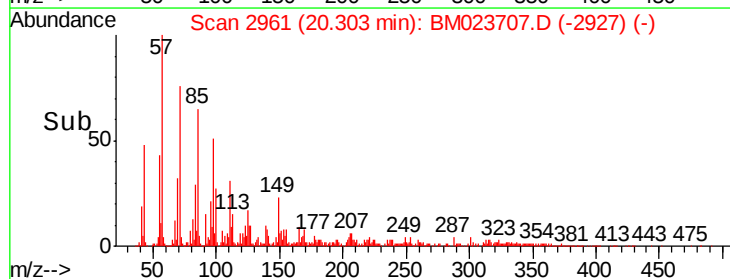
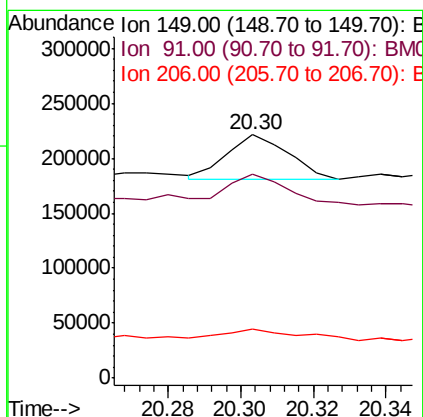
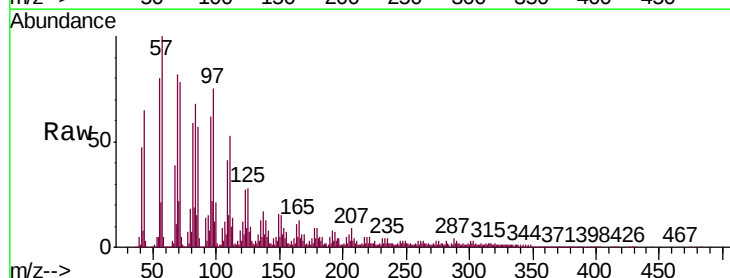
Instrument :
BNA_M
ClientSampleId :
JLM93

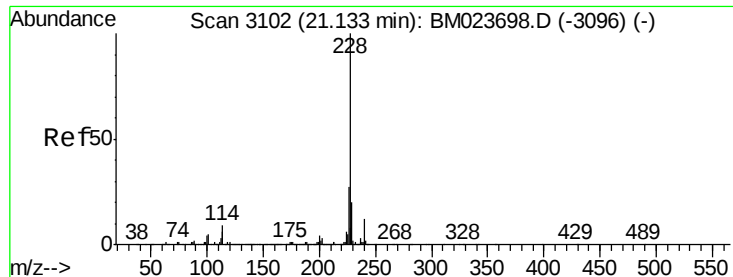
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.6
100	10.5	8.1	12.1



#81
Butylbenzylphthalate
Concen: 1.289 ng/ul
RT: 20.30 min Scan# 2961
Delta R.T. -0.00 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

Tgt Ion	Ratio	Lower	Upper
149	100		
91	83.8	54.9	82.3#
206	20.4	19.3	28.9





#83

Benzo(a)anthracene

Concen: 2.146 ng/ul

RT: 21.14 min Scan# 3104

Delta R.T. 0.01 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampled :

JLM93

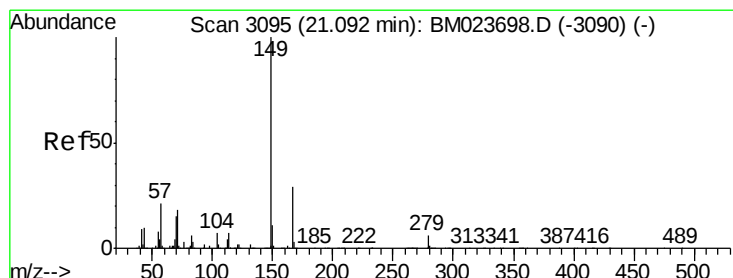
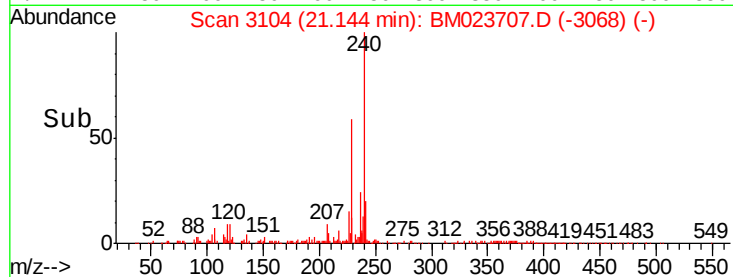
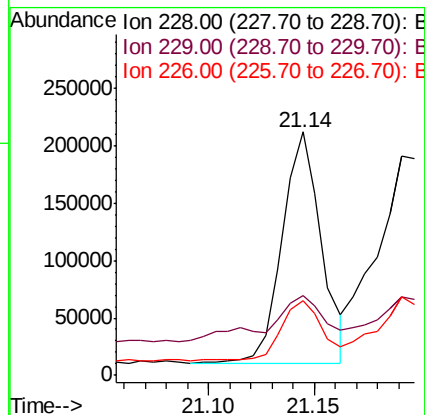
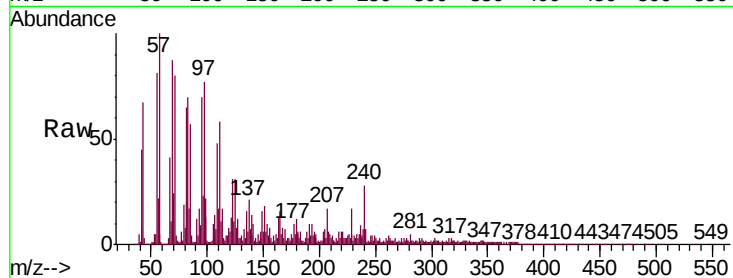
Tgt Ion:228 Resp: 259288

Ion Ratio Lower Upper

228 100

229 32.9 15.6 23.4#

226 30.7 21.4 32.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 18.840 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

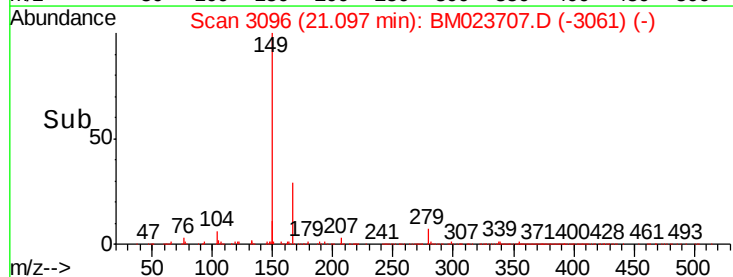
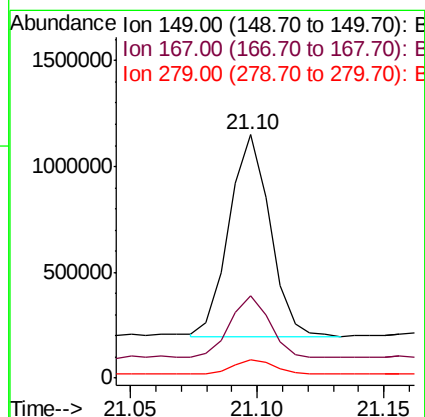
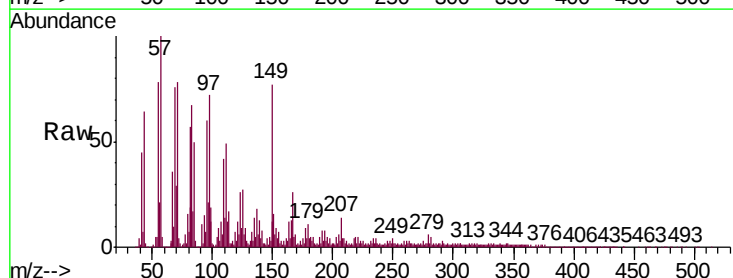
Tgt Ion:149 Resp: 1066492

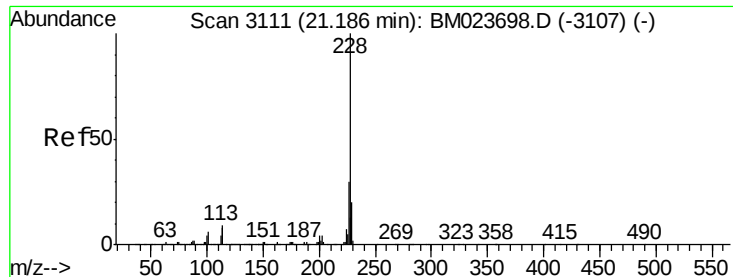
Ion Ratio Lower Upper

149 100

167 33.8 23.4 35.2

279 7.7 5.0 7.4#





#85

Chrysene

Concen: 2.685 ng/ul

RT: 21.19 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampleId :

JLM93

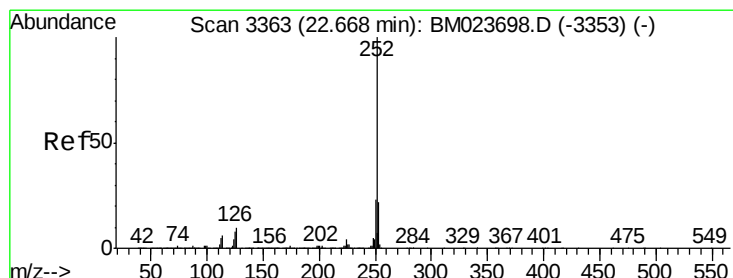
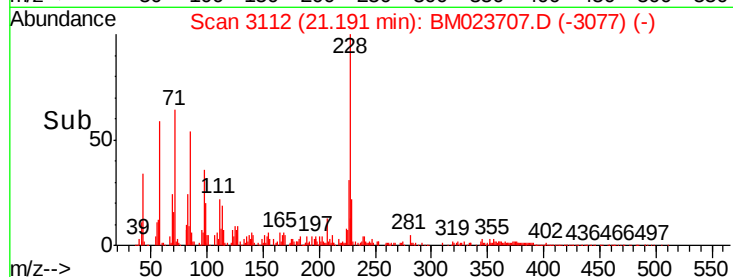
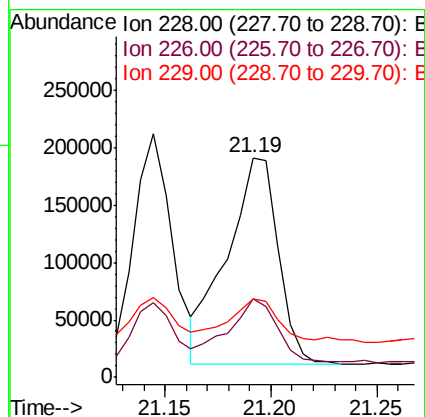
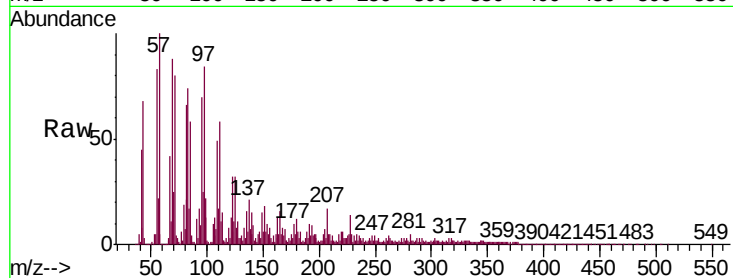
Tgt Ion:228 Resp: 305383

Ion Ratio Lower Upper

228 100

226 35.5 23.8 35.8

229 35.9 15.8 23.6#



#88

Benzo(b)fluoranthene

Concen: 2.978 ng/ul

RT: 22.69 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

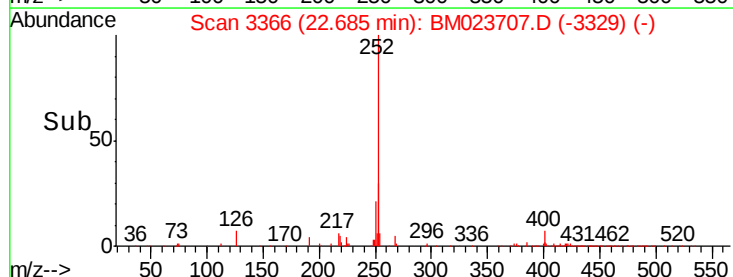
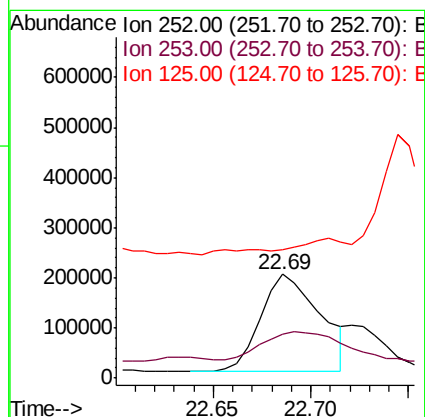
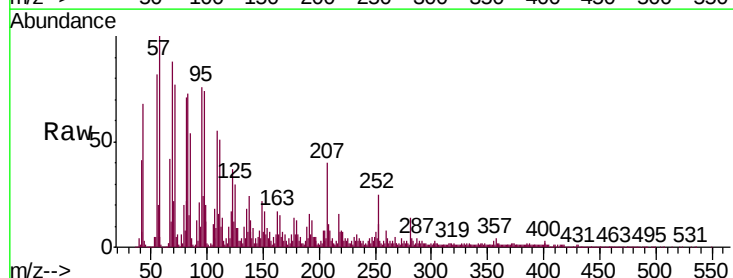
Tgt Ion:252 Resp: 411277

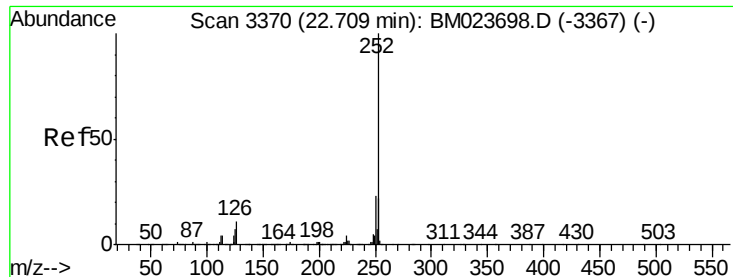
Ion Ratio Lower Upper

252 100

253 42.9 17.8 26.8#

125 123.4 6.5 9.7#





#89

Benzo(k)fluoranthene

Concen: 3.091 ng/ul

RT: 22.69 min Scan# 3366

Delta R.T. -0.02 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampleId :

JLM93

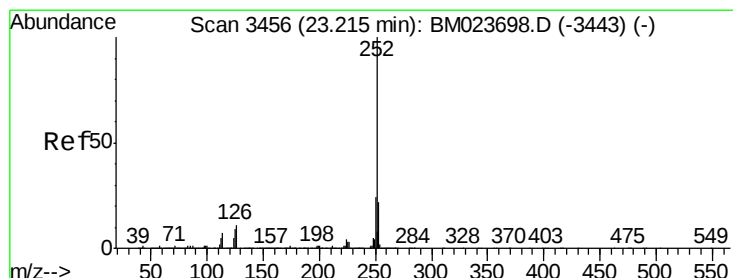
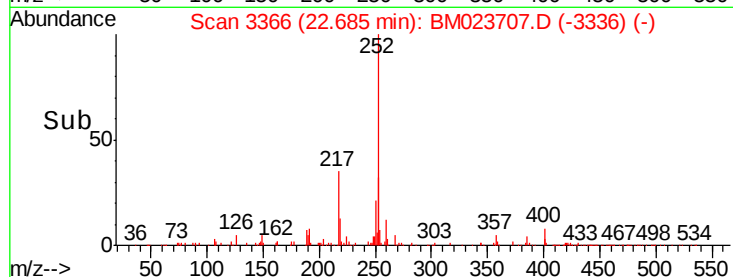
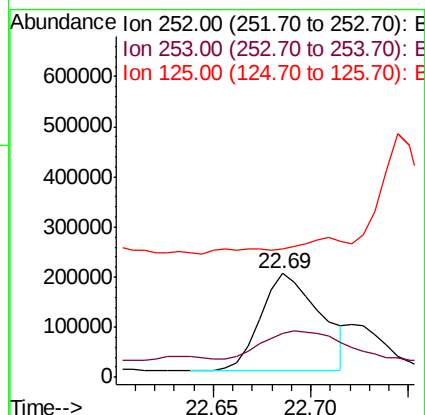
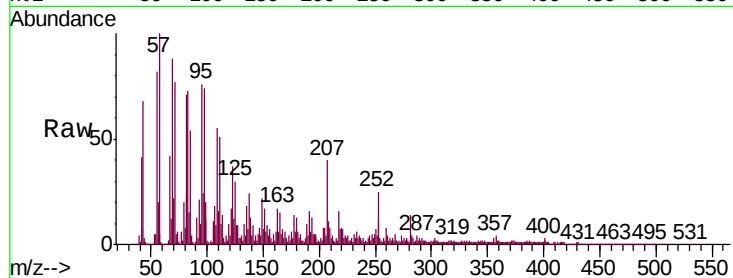
Tgt Ion:252 Resp: 411277

Ion Ratio Lower Upper

252 100

253 42.9 17.2 25.8#

125 123.4 5.9 8.9#



#91

Benzo(a)pyrene

Concen: 1.728 ng/ul

RT: 23.23 min Scan# 3459

Delta R.T. 0.02 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

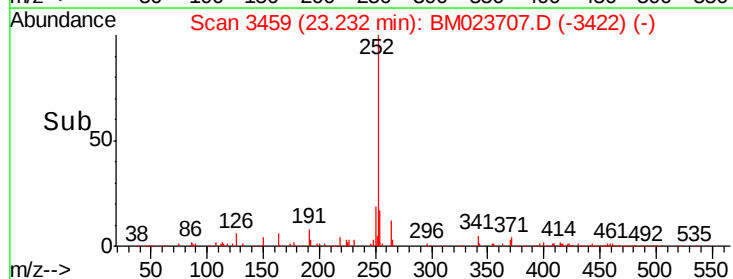
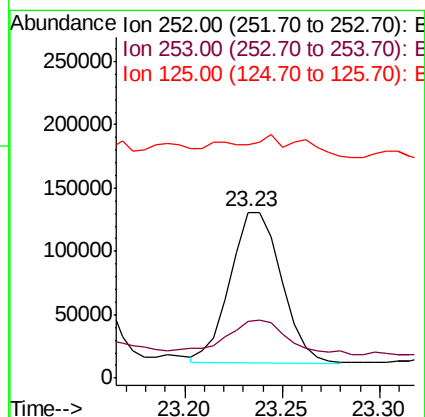
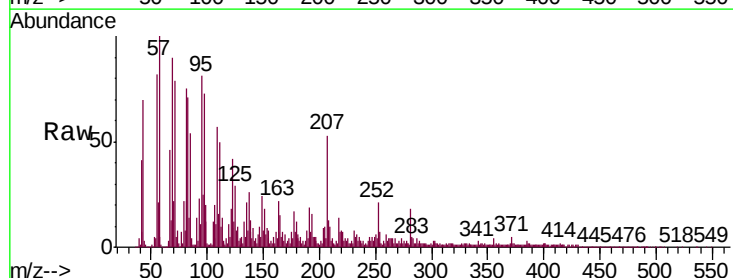
Tgt Ion:252 Resp: 218439

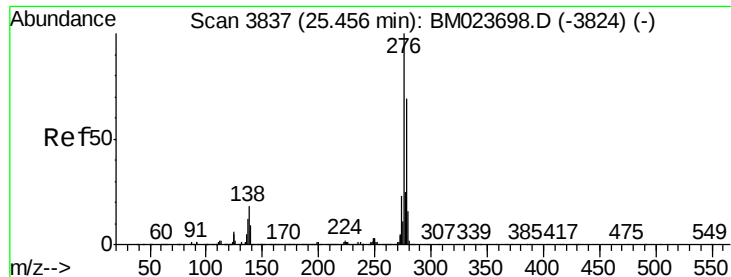
Ion Ratio Lower Upper

252 100

253 34.0 17.3 25.9#

125 140.6 6.9 10.3#





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.192 ng/ul

RT: 25.49 min Scan# 3842

Delta R.T. 0.03 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampleId :

JLM93

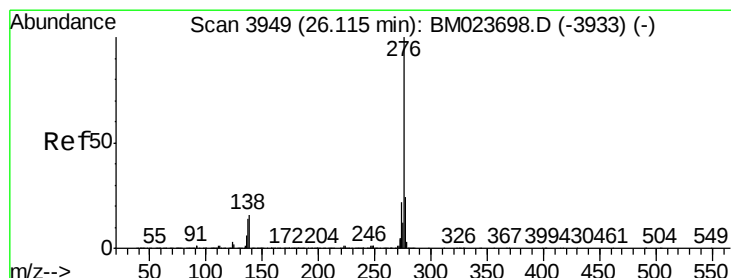
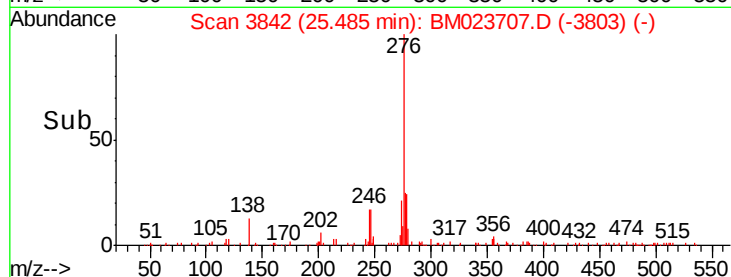
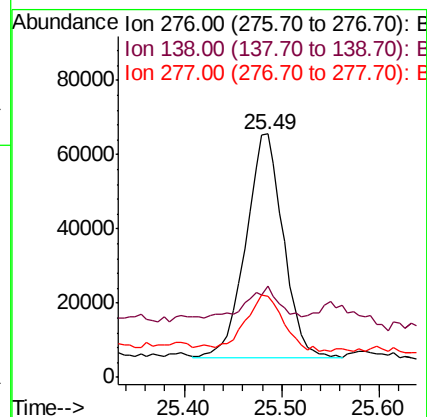
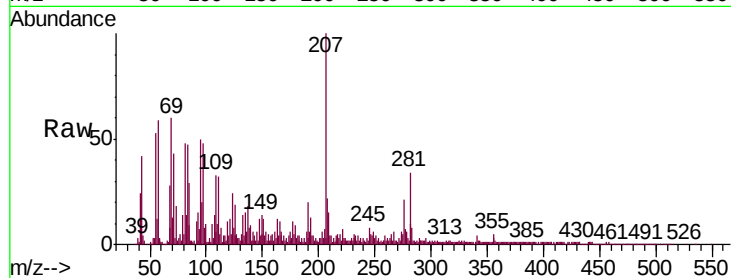
Tgt Ion:276 Resp: 161065

Ion Ratio Lower Upper

276 100

138 37.6 15.0 22.4#

277 33.0 20.0 30.0#



#94

Benzo(g,h,i)perylene

Concen: 1.649 ng/ul

RT: 26.14 min Scan# 3953

Delta R.T. 0.02 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Tgt Ion:276 Resp: 180640

Ion Ratio Lower Upper

276 100

138 29.3 13.2 19.8#

277 30.4 18.6 28.0#

