

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
 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 :

Quant Time: Nov 14 00:28:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 13 13:51:42 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	1833307	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	27.95	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.20	264	2737289	24.01	ng/ul	0.02

Target Compounds

					Ovalue
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	160258	1.537	ng/ul 99
70) Phenanthrene	16.99	178	914469	6.558	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	743392	4.976	ng/ul 98
80) Pyrene	19.38	202	582404	4.915	ng/ul 98
81) Butylbenzylphthalate	20.30	149	48327	1.288	ng/ul# 84
83) Benzo(a)anthracene	21.14	228	259288	2.144	ng/ul# 83
84) Bis(2-ethylhexyl)phthalate	21.10	149	1066492	18.820	ng/ul# 92
85) Chrysene	21.19	228	305383	2.682	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

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Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 13 13:51:42 2019
Response via : Initial Calibration

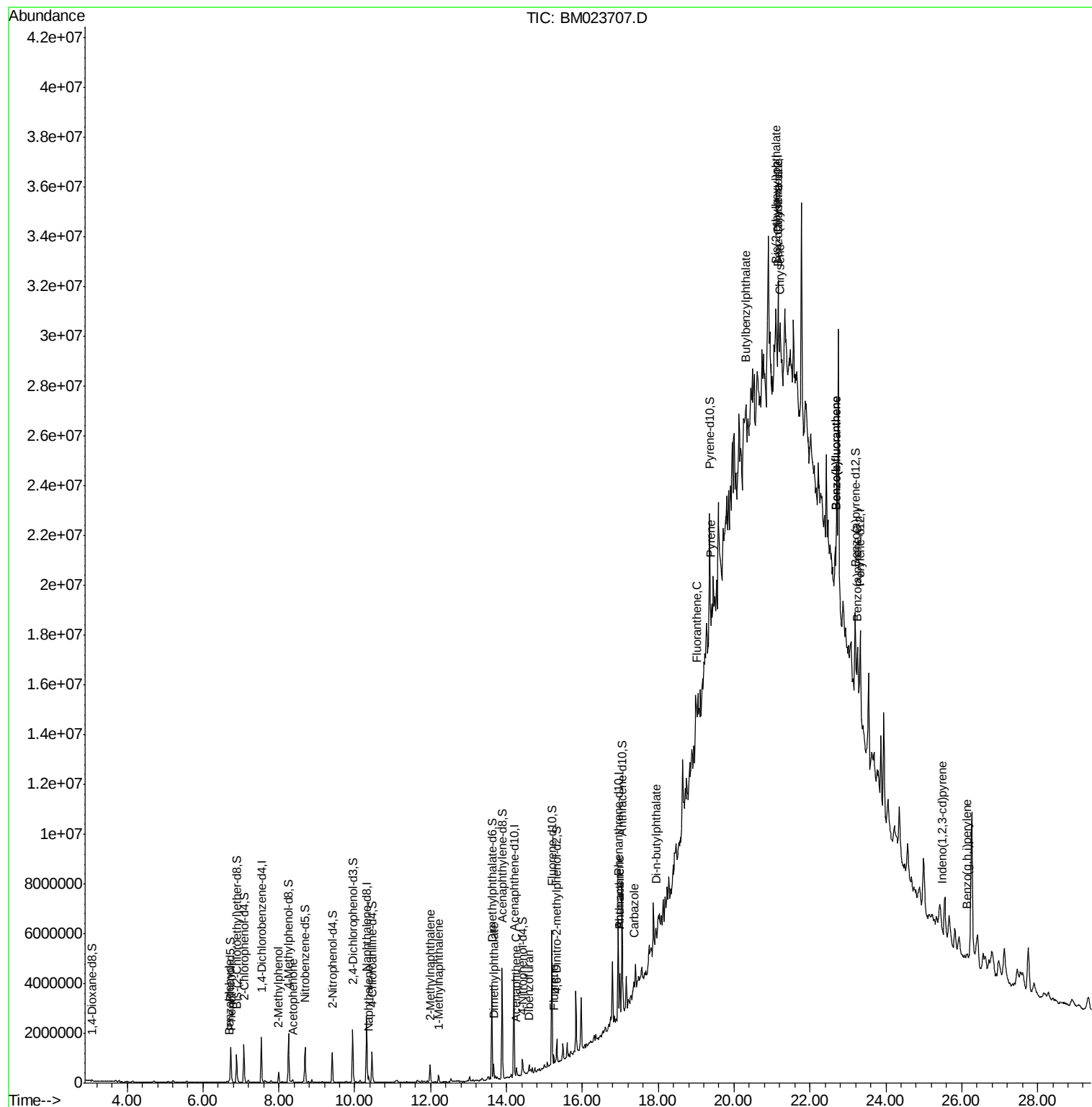
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.23	252	218439	1.728	ng/ul#	1
92) Indeno(1,2,3-cd)pyrene	25.49	276	161703	1.196	ng/ul#	73
94) Benzo(g,h,i)perylene	26.14	276	180640	1.649	ng/ul#	79

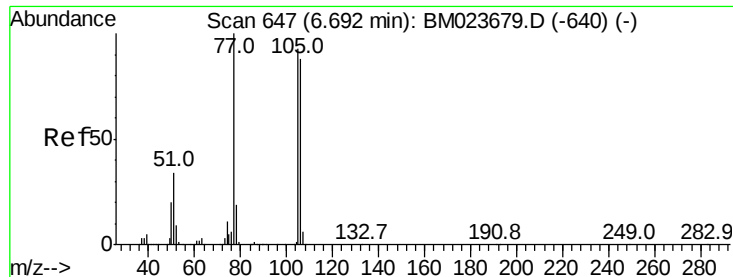
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: Nov 14 00:28:45 2019
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 13 13:51:42 2019
Response via : Initial Calibration





#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 :

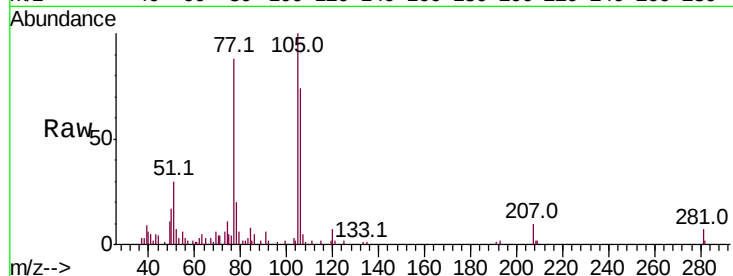
Tot Ion: 77 Resp: 36594

Ion Ratio Lower Upper

77 100

105 113.4 75.9 113.9

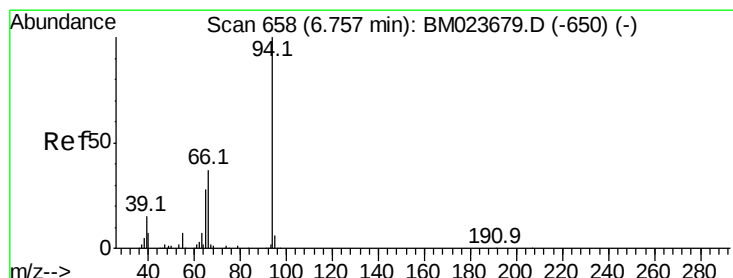
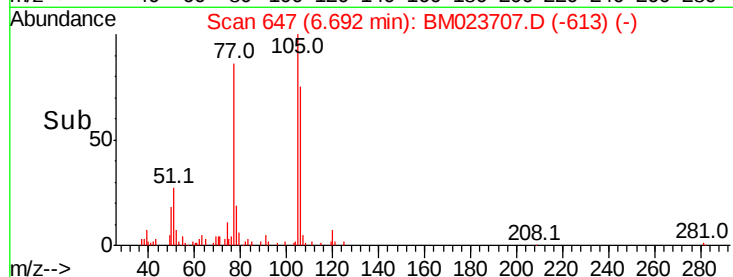
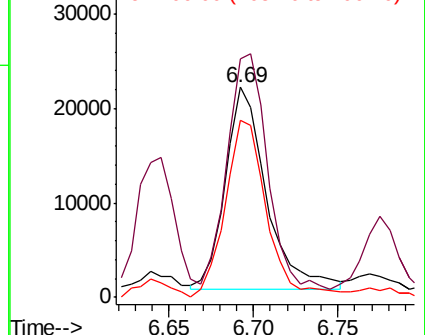
106 84.0 70.2 105.4



Abundance Ion 77.00 (76.70 to 77.70): BM023707.D (-647) (-)

Ion 105.00 (104.70 to 105.70): BM023707.D (-647) (-)

Ion 106.00 (105.70 to 106.70): BM023707.D (-647) (-)



#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

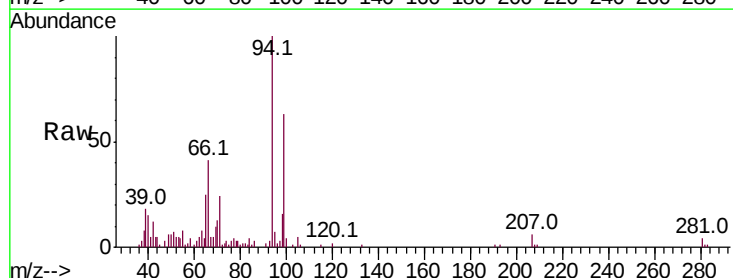
Tgt Ion: 94 Resp: 70703

Ion Ratio Lower Upper

94 100

65 25.1 21.4 32.2

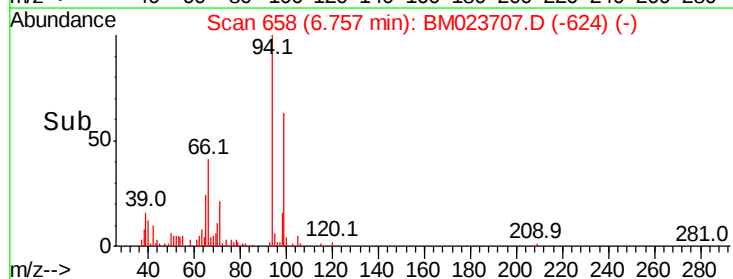
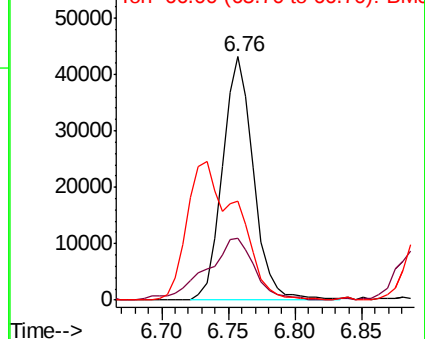
66 40.6 30.7 46.1

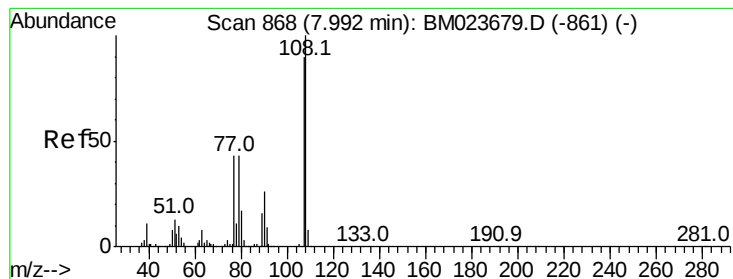


Abundance Ion 94.00 (93.70 to 94.70): BM023707.D (-658) (-)

Ion 65.00 (64.70 to 65.70): BM023707.D (-658) (-)

Ion 66.00 (65.70 to 66.70): BM023707.D (-658) (-)





#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 :

BNA_M

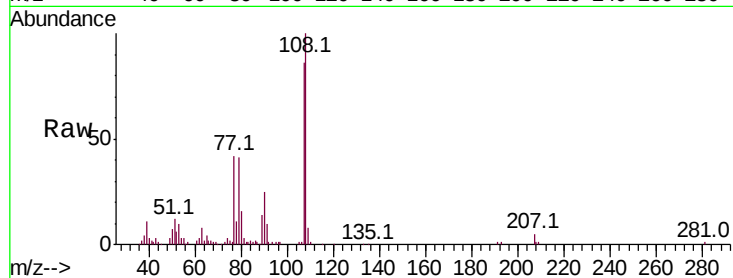
ClientSampleId :

Tot Ion:108 Resp: 144224

Ion Ratio Lower Upper

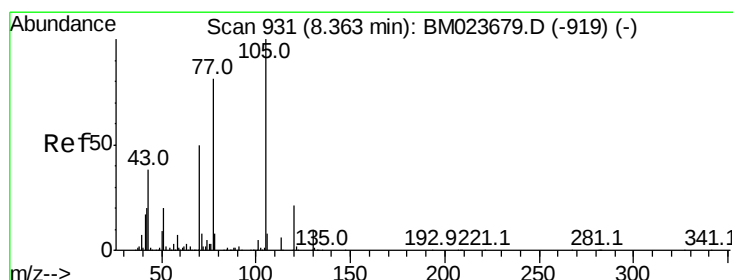
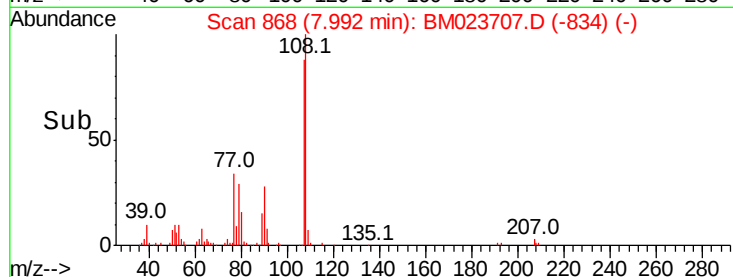
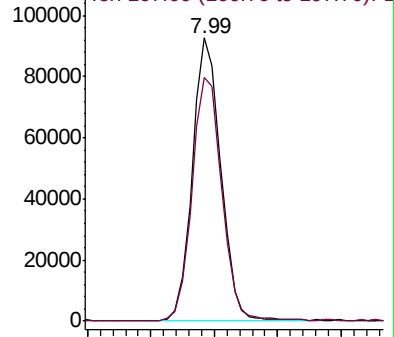
108 100

107 86.2 71.4 107.2



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#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

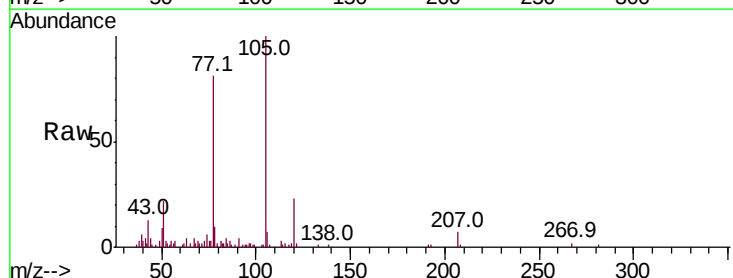
Tgt Ion:105 Resp: 63839

Ion Ratio Lower Upper

105 100

77 80.9 63.8 95.6

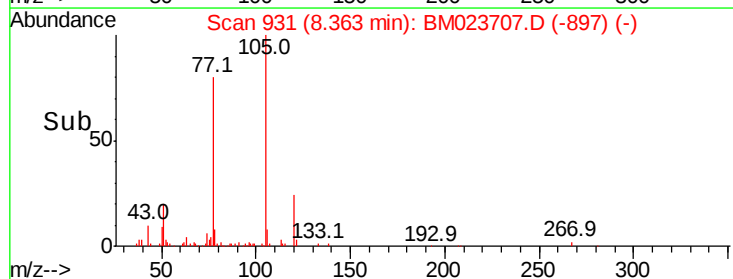
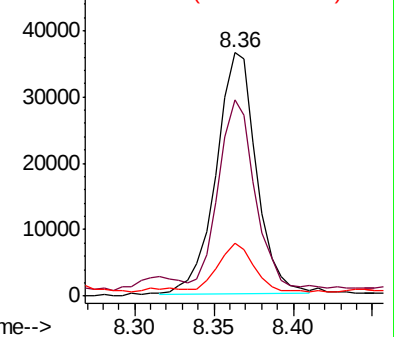
51 21.5 16.3 24.5

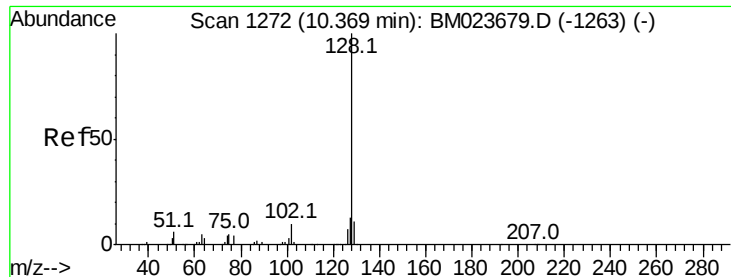


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0





#28

Naphthalene

Concen: 1.723 ng/ul

RT: 10.36 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampleId :

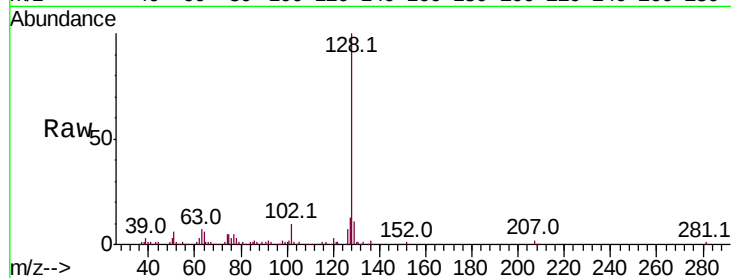
Tot Ion:128 Resp: 192745

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

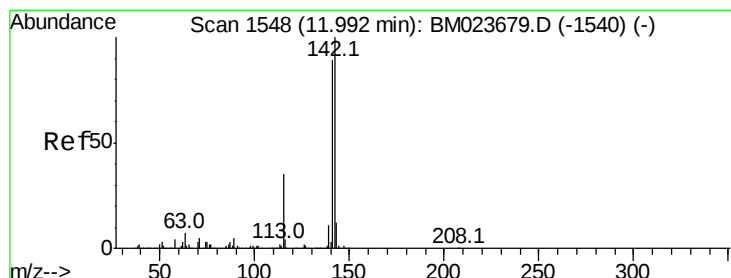
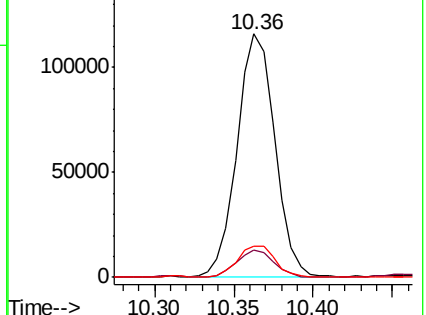
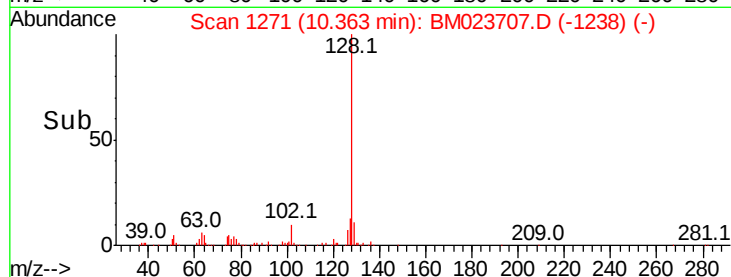
127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 3.912 ng/ul

RT: 11.99 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BM023707.D

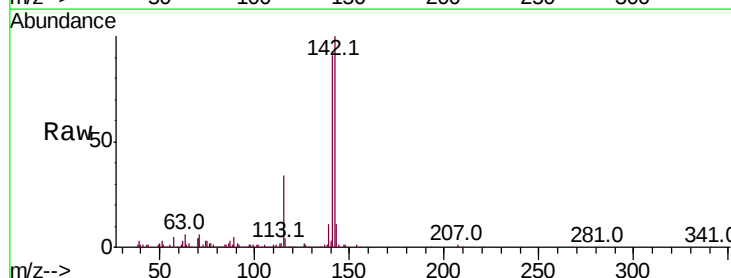
Acq: 13 Nov 2019 21:19

Tgt Ion:142 Resp: 334768

Ion Ratio Lower Upper

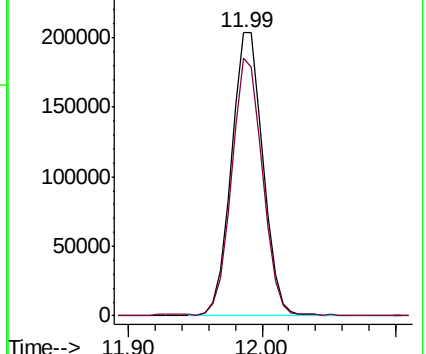
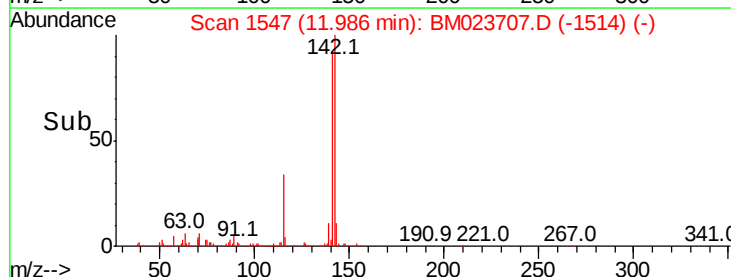
142 100

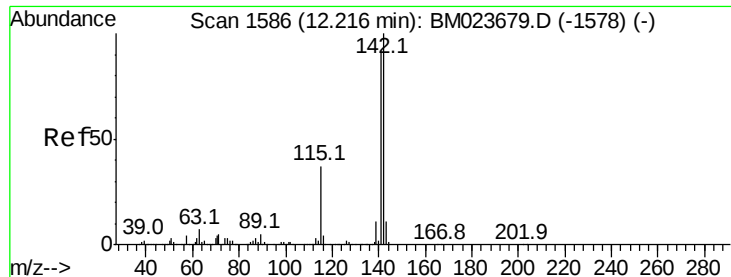
141 91.0 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 1.761 ng/ul

RT: 12.21 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampleId :

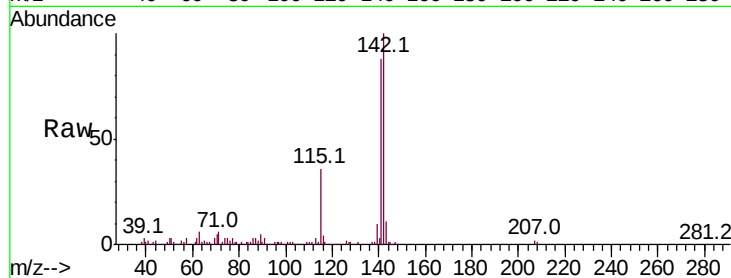
Tot Ion:142 Resp: 148648

Ion Ratio Lower Upper

142 100

141 88.1 74.6 112.0

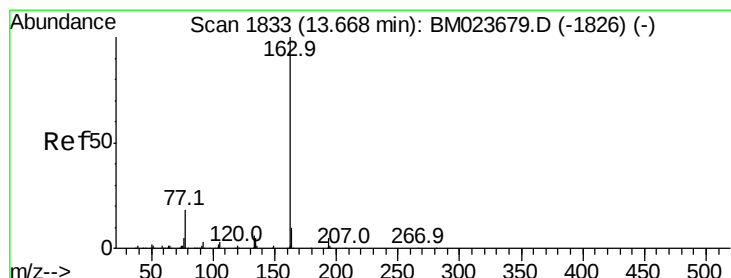
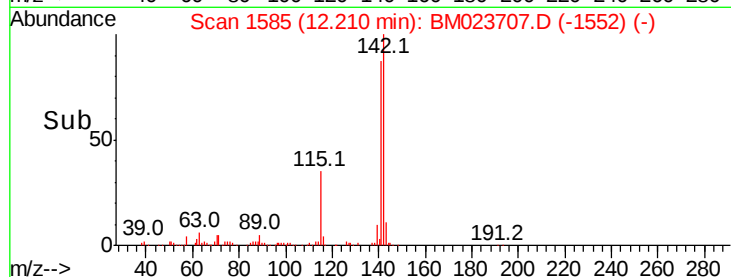
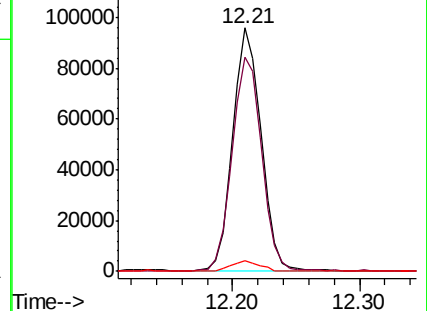
116 4.1 3.2 4.8



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

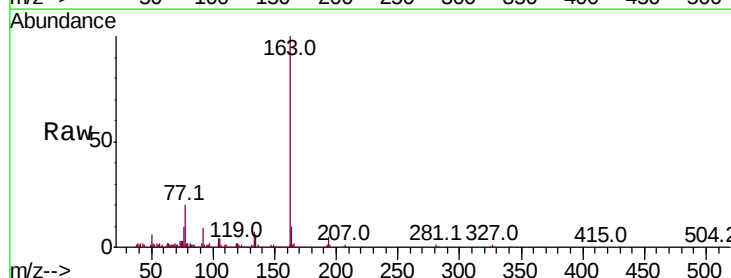
Tgt Ion:163 Resp: 390309

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

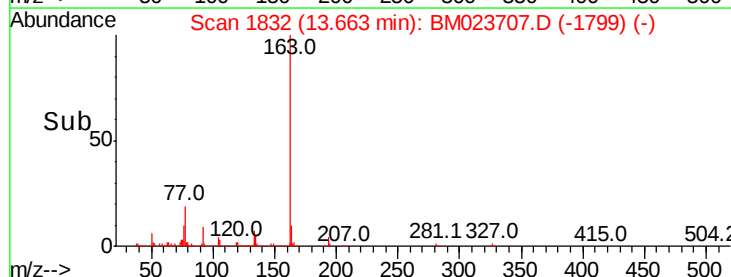
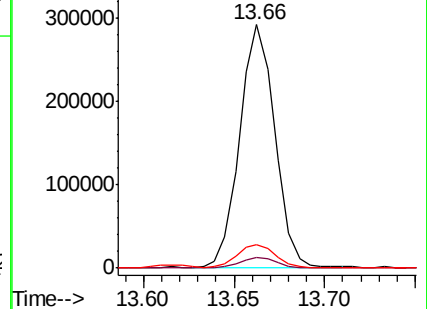
164 9.9 8.0 12.0

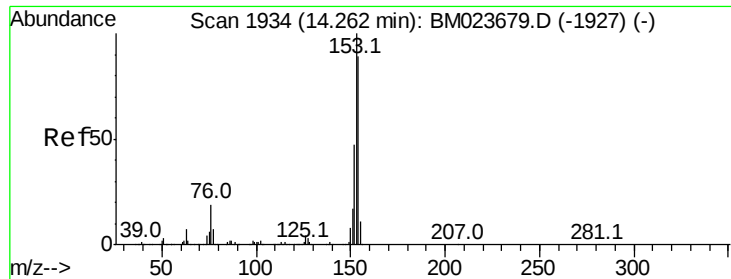


Abundance Ion 163.00 (162.70 to 163.70): E

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

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

Instrument :

BNA_M

ClientSampleId :

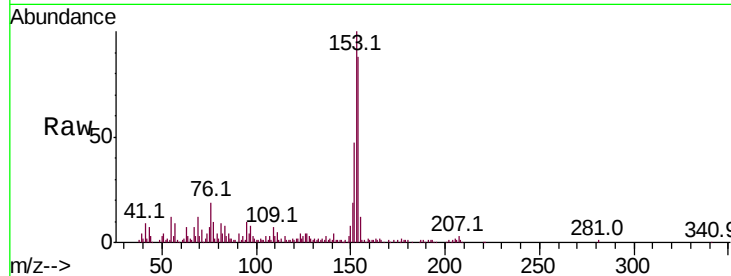
Tot Ion:153 Resp: 146382

Ion Ratio Lower Upper

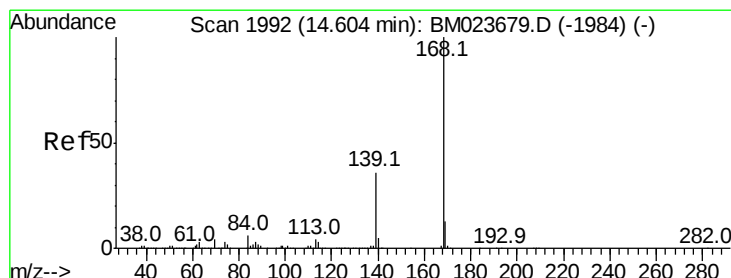
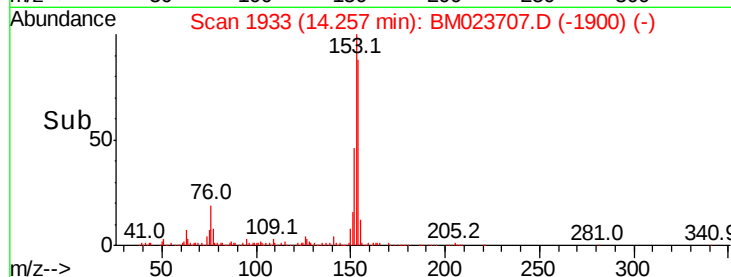
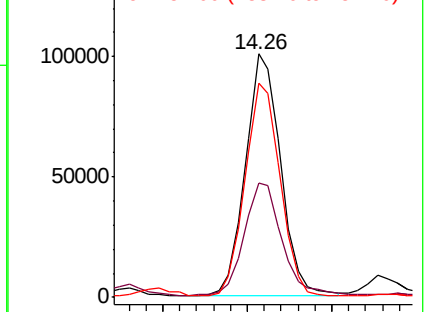
153 100

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. -0.01 min

Lab File: BM023707.D

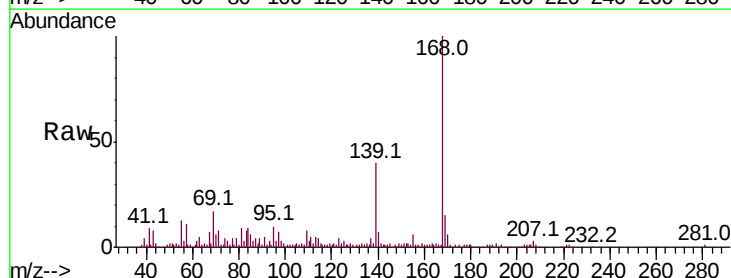
Acq: 13 Nov 2019 21:19

Tgt Ion:168 Resp: 195244

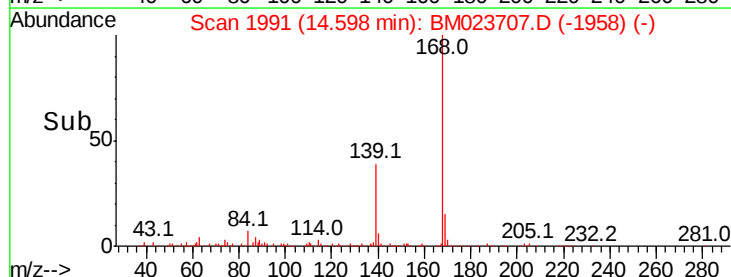
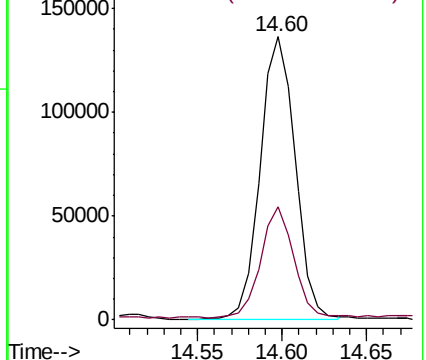
Ion Ratio Lower Upper

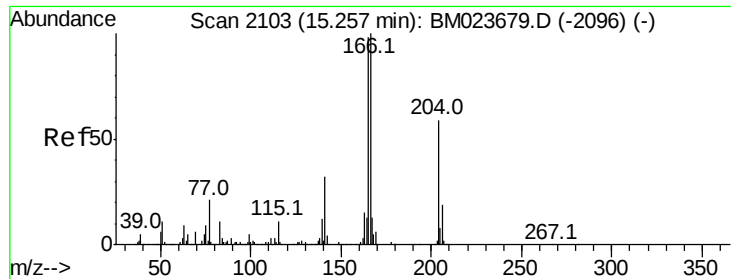
168 100

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

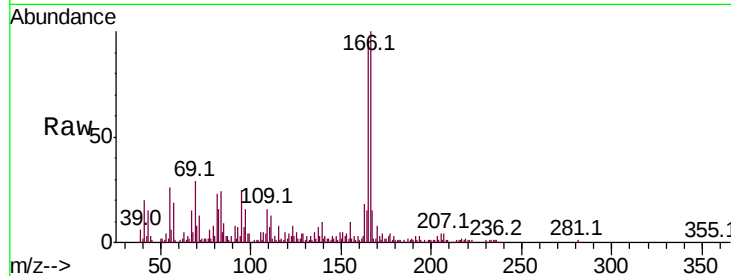




#59
Fluorene
Concen: 1.537 ng/ul
RT: 15.25 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.2	115.8
167	15.1	10.9	16.3

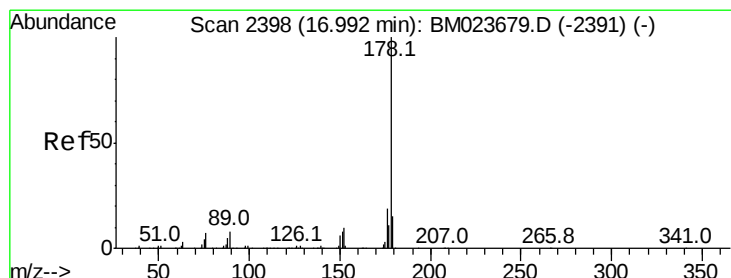
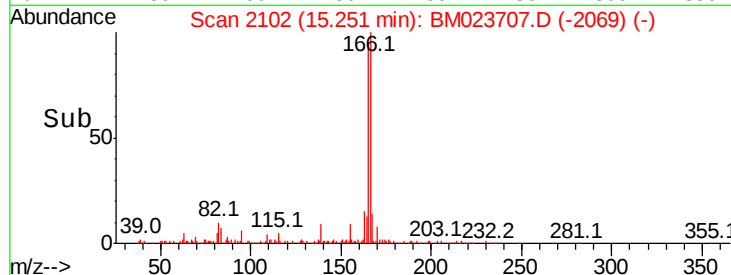
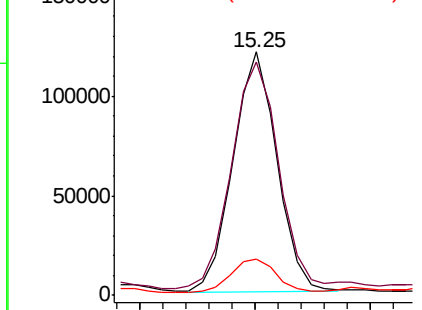


Abundance

Ion 166.00 (165.70 to 166.70): E

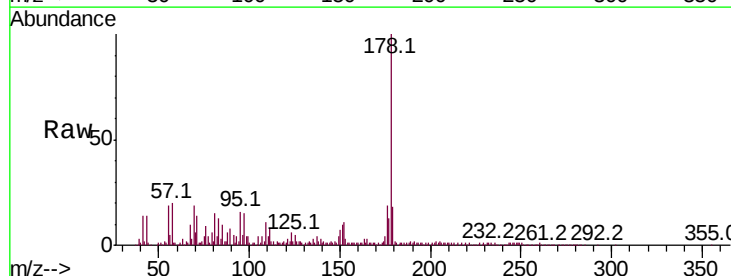
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70
Phenanthrene
Concen: 6.558 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	Ratio	Lower	Upper
178	100		
179	17.9	12.3	18.5
176	19.1	15.0	22.6

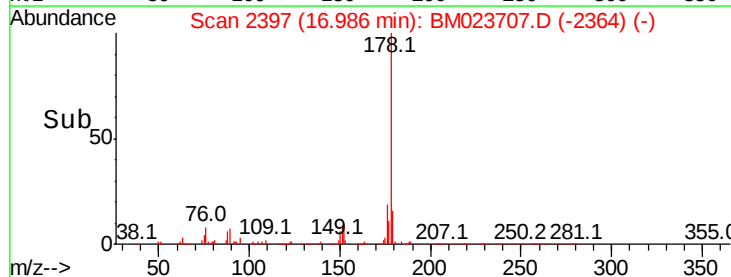
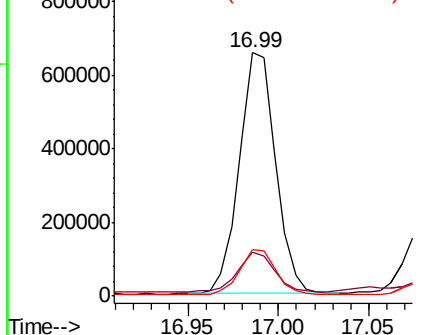


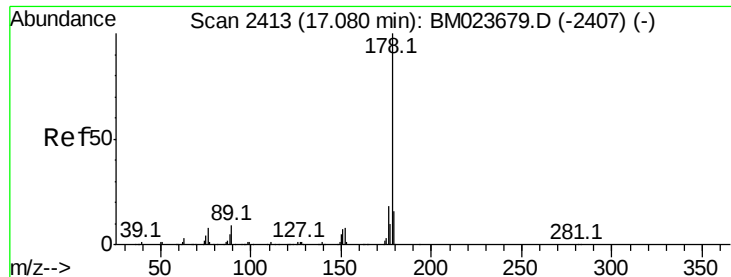
Abundance

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

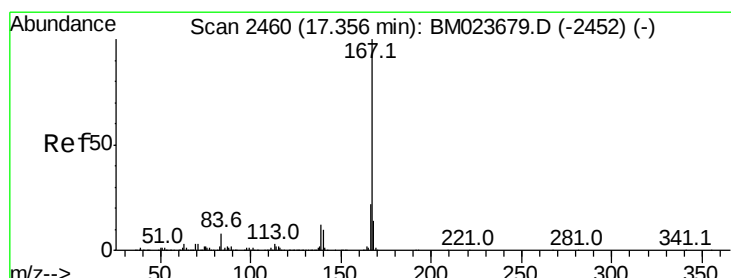
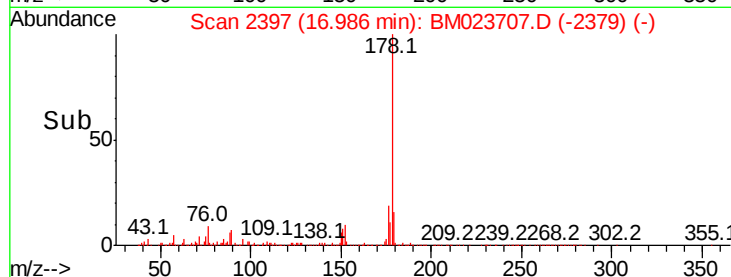
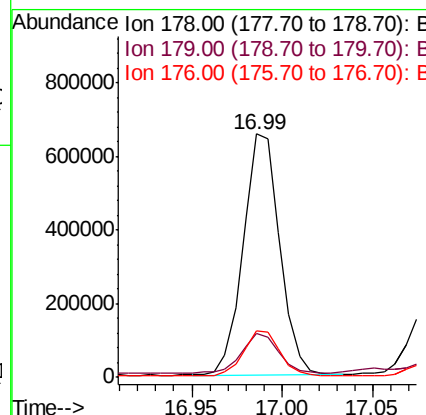
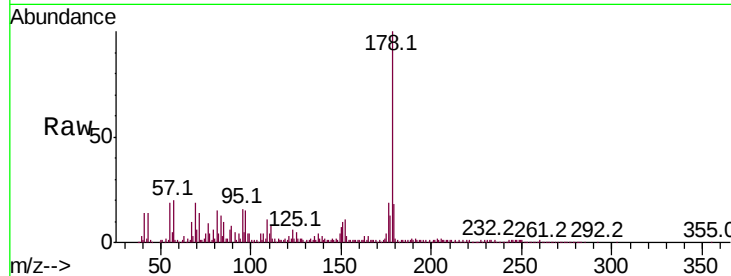




#72
 Anthracene
 Concen: 6.529 ng/ul
 RT: 16.99 min Scan# 2397
 Delta R.T. -0.09 min
 Lab File: BM023707.D
 Acq: 13 Nov 2019 21:19

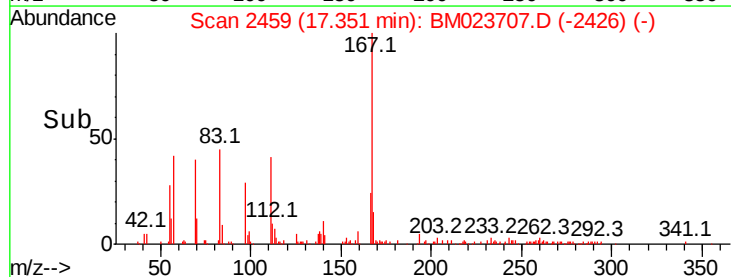
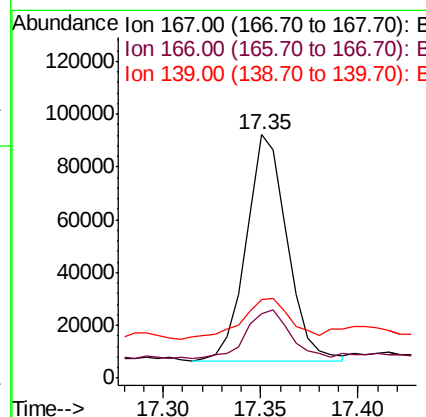
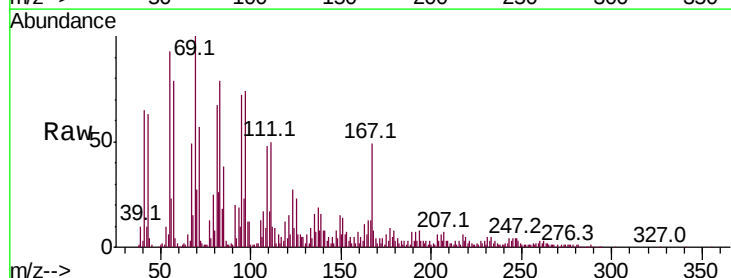
Instrument :
 BNA_M
 ClientSampleId :

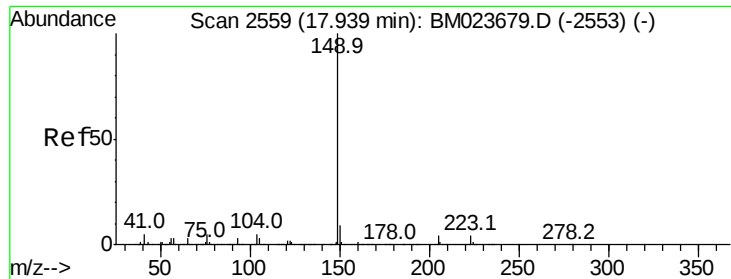
Tot Ion	Ratio	Lower	Upper
178	100		
179	17.9	12.3	18.5
176	19.1	14.7	22.1



#75
 Carbazole
 Concen: 1.060 ng/ul
 RT: 17.35 min Scan# 2459
 Delta R.T. -0.01 min
 Lab File: BM023707.D
 Acq: 13 Nov 2019 21:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.7	17.1	25.7#
139	32.0	9.8	14.6#

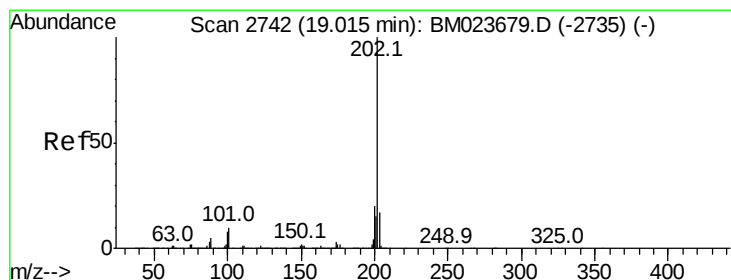
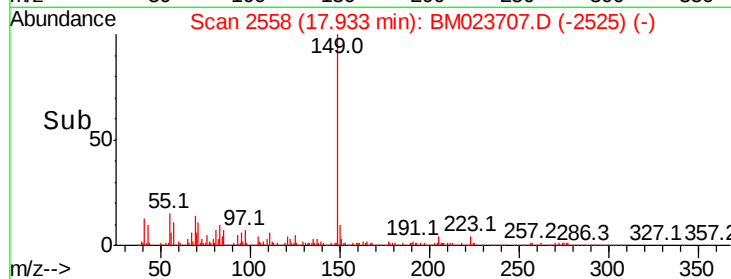
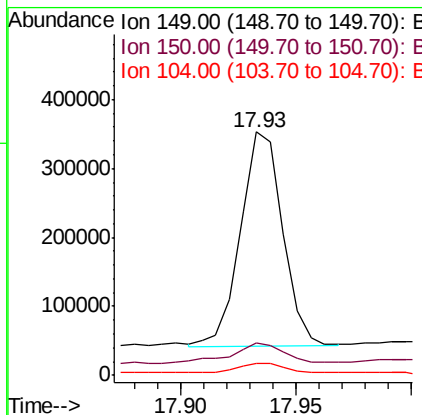
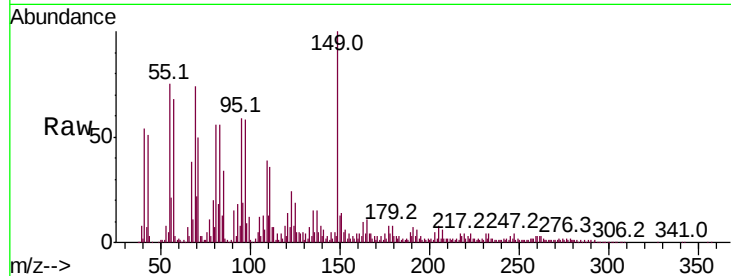




#76
Di-n-butylphthalate
Concen: 3.075 ng/ul
RT: 17.93 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

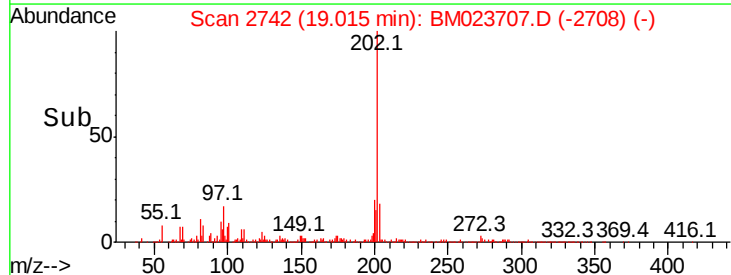
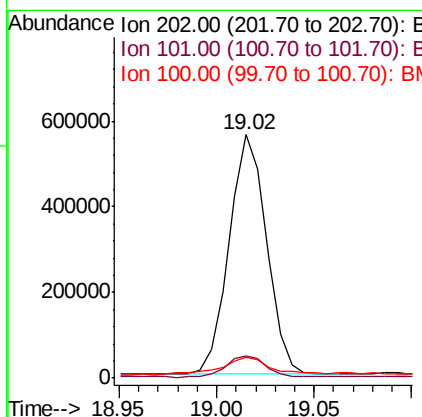
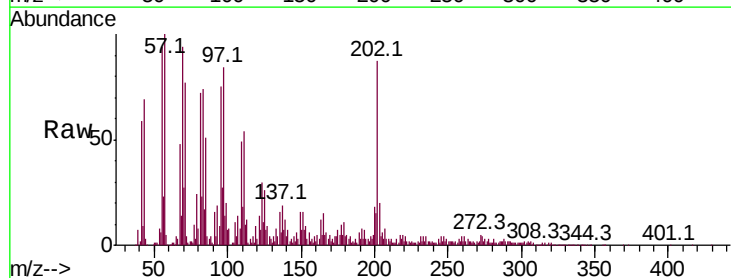
Instrument :
BNA_M
ClientSampleId :

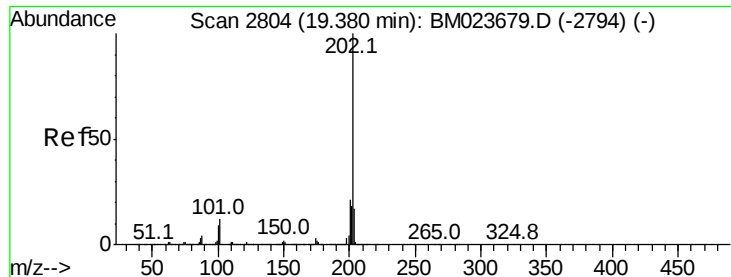
Tot Ion:149 Resp: 396318
Ion Ratio Lower Upper
149 100
150 13.2 7.1 10.7#
104 5.0 4.2 6.2



#77
Fluoranthene
Concen: 4.976 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: 743392
Ion Ratio Lower Upper
202 100
101 9.3 7.7 11.5
100 8.4 6.0 9.0

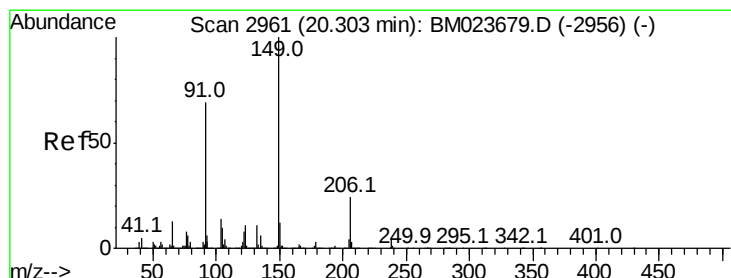
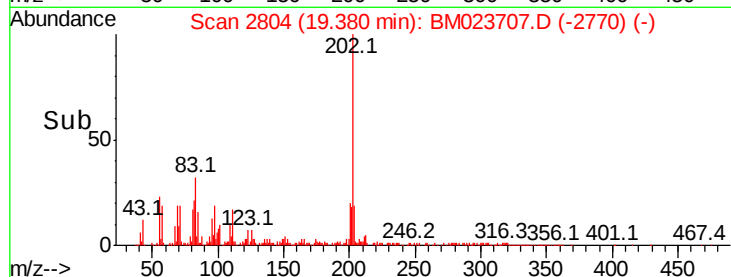
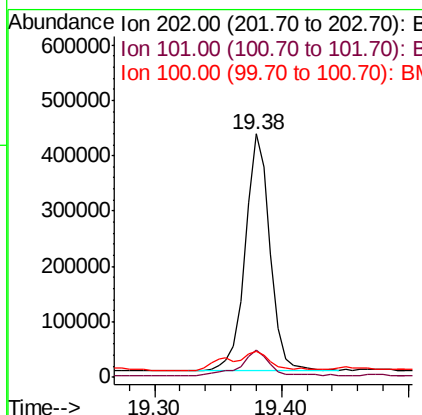
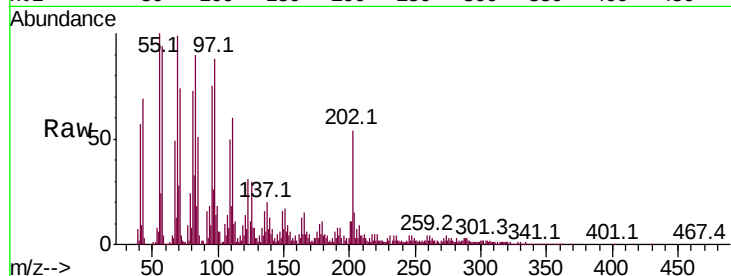




#80
Pvrene
Concen: 4.915 ng/ul
RT: 19.38 min Scan# 2804
Delta R.T. -0.00 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

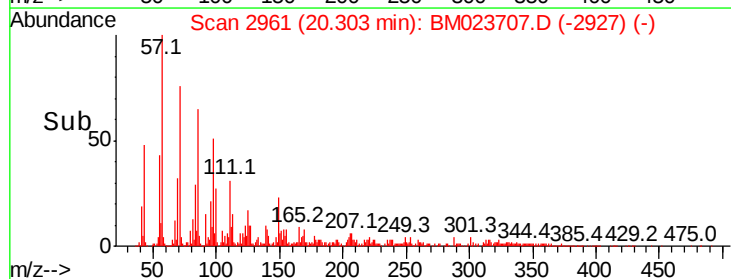
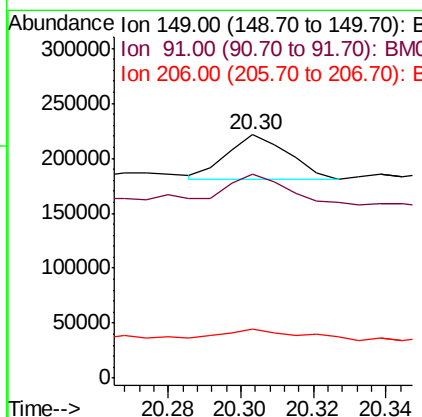
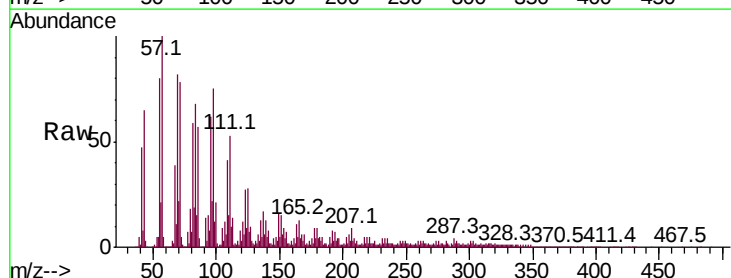
Instrument :
BNA_M
ClientSampled :

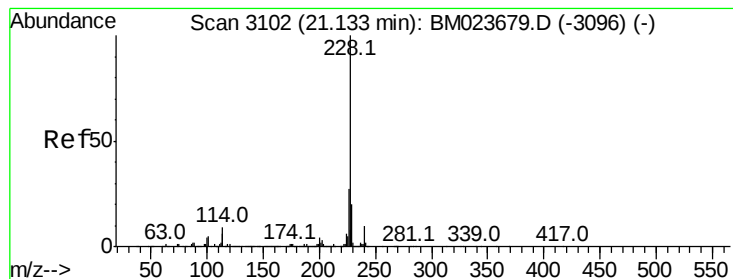
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.6
100	10.5	8.1	12.1



#81
Butylbenzylphthalate
Concen: 1.288 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: 2.144 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

ClientSampleId :

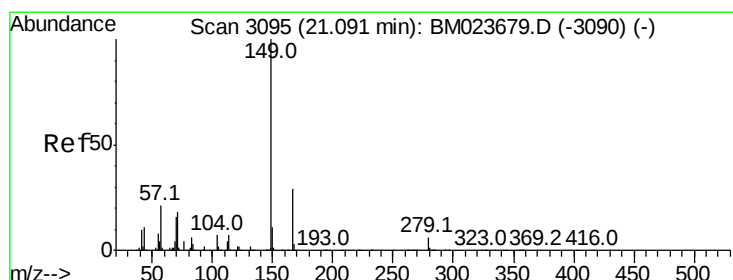
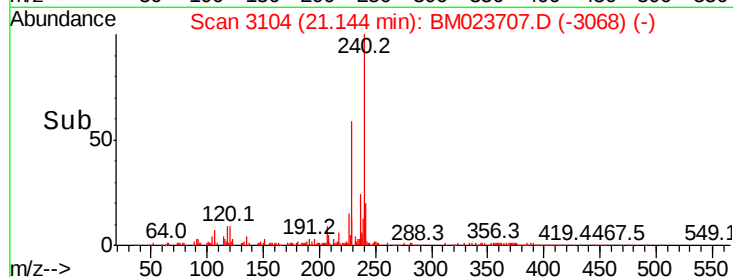
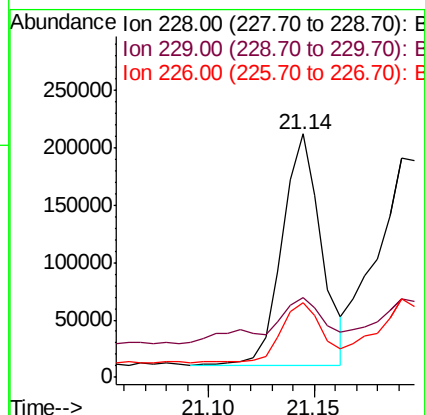
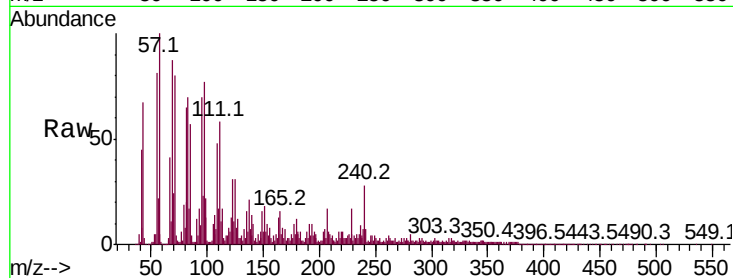
Tot Ion:228 Resp: 259288

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: 18.820 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM023707.D

Acq: 13 Nov 2019 21:19

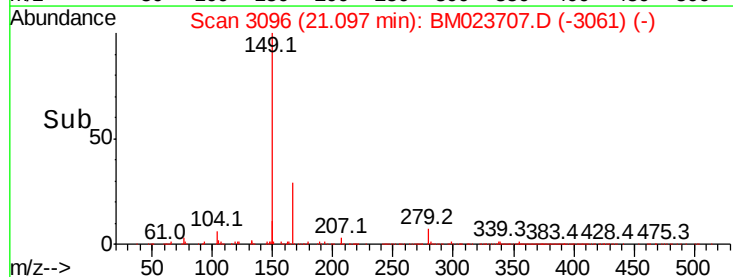
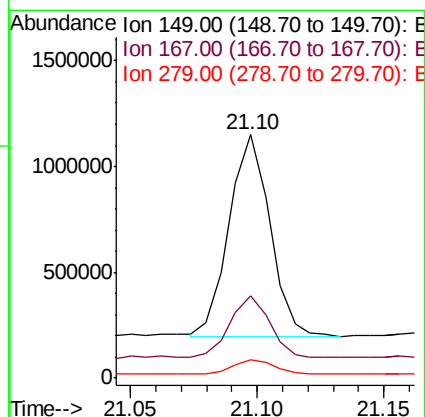
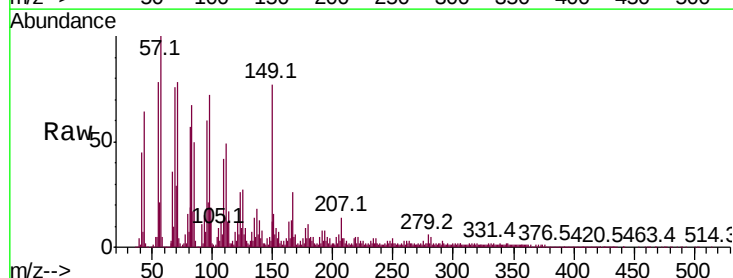
Tgt Ion:149 Resp: 1066492

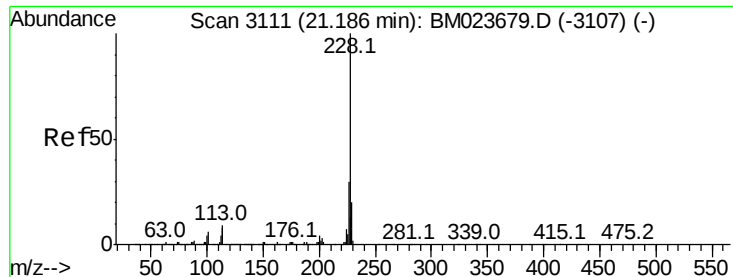
Ion Ratio Lower Upper

149 100

167 33.8 23.4 35.2

279 7.7 5.0 7.4#

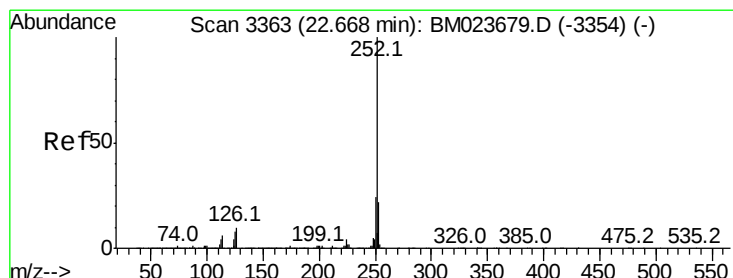
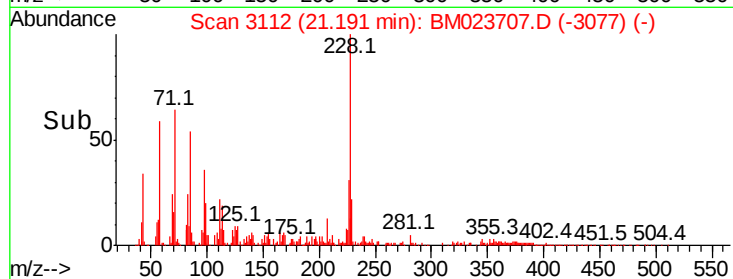
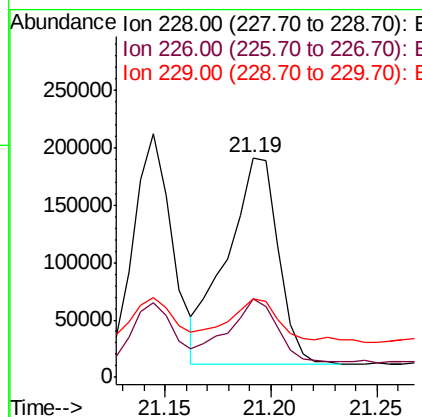
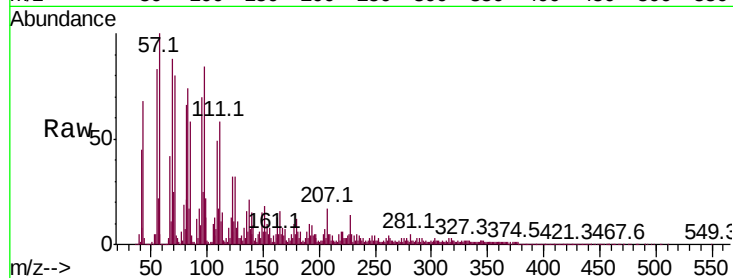




#85
Chrysene
Concen: 2.682 ng/ul
RT: 21.19 min Scan# 3112
Delta R.T. 0.01 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

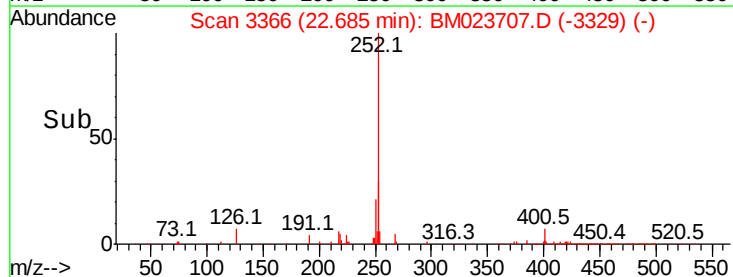
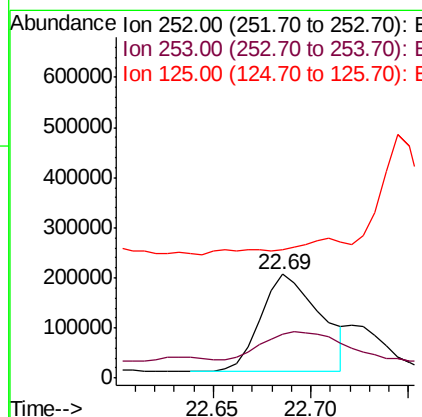
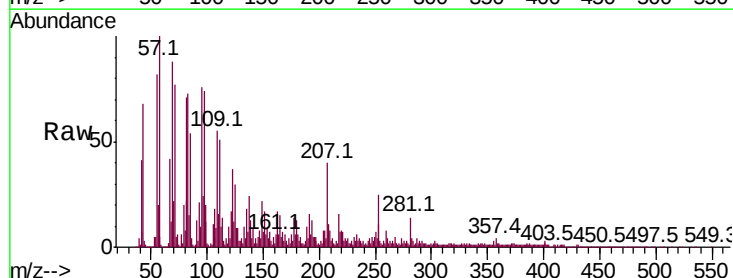
Instrument :
BNA_M
ClientSampleId :

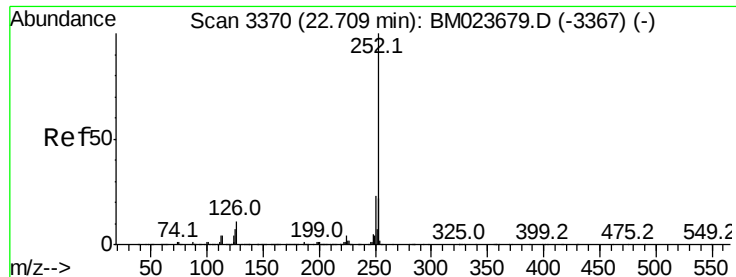
Tot Ion	Ratio	Lower	Upper
228	100		
226	35.5	23.8	35.8
229	35.9	15.8	23.6#



#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	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

ClientSampled :

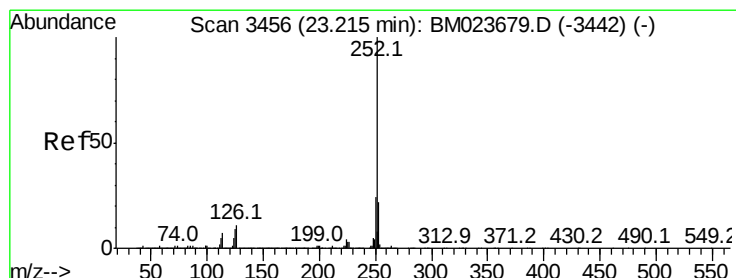
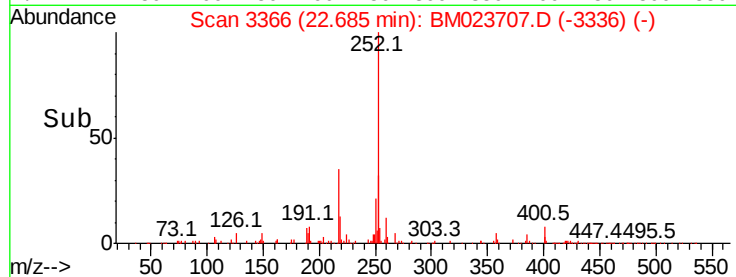
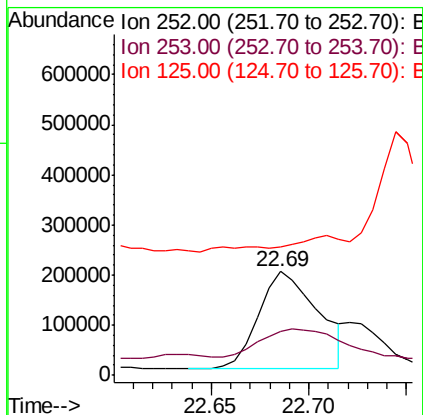
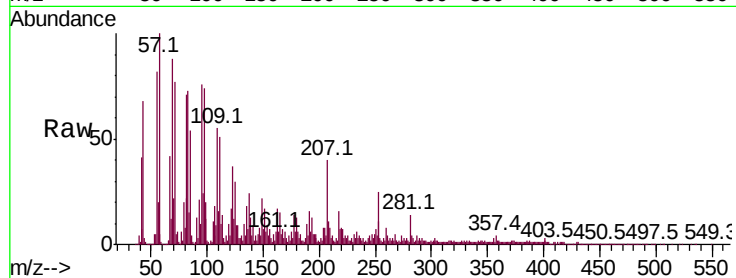
Tot Ion:252 Resp: 411277

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

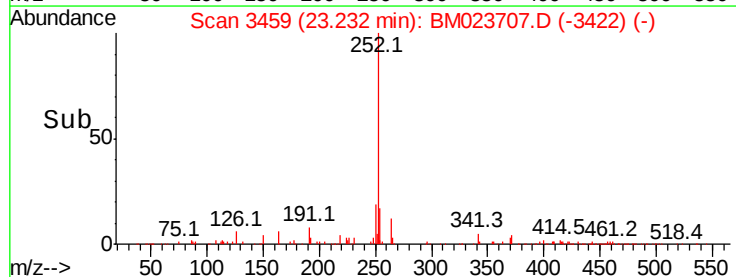
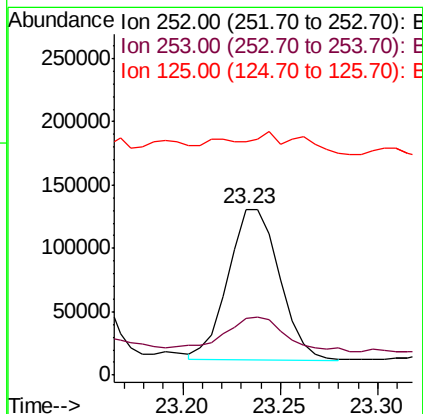
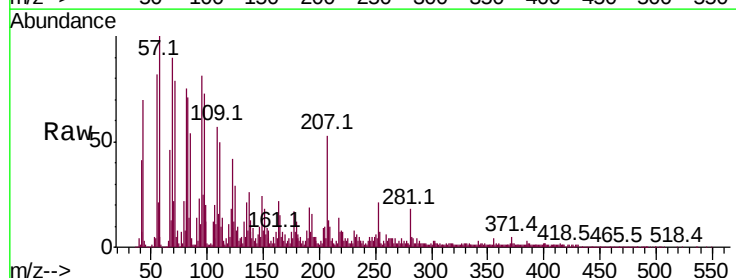
Tgt Ion:252 Resp: 218439

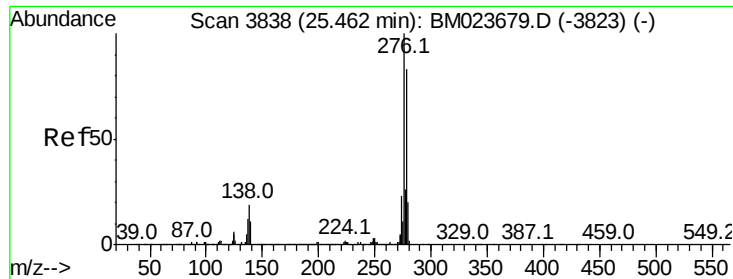
Ion Ratio Lower Upper

252 100

253 34.0 17.3 25.9#

125 140.6 6.9 10.3#



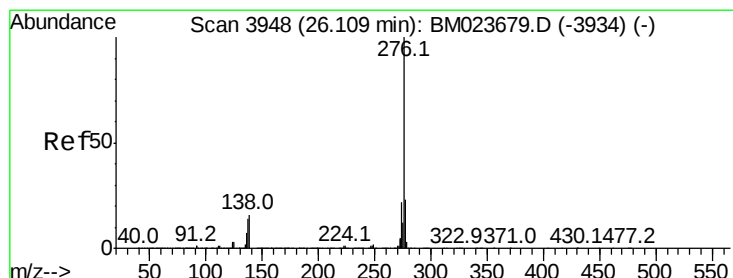
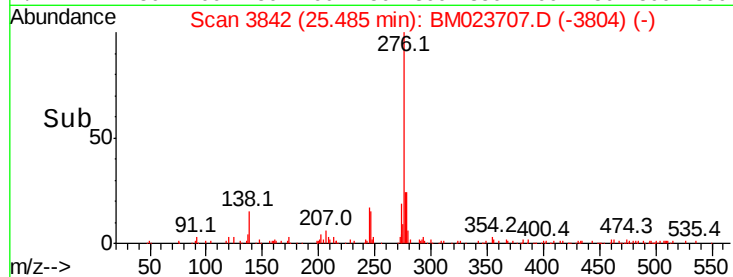
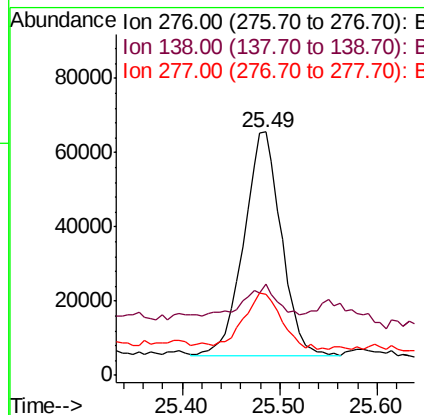
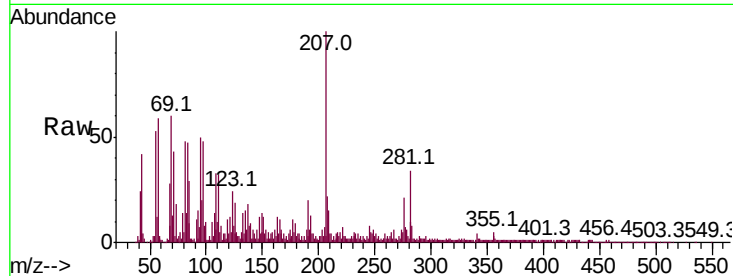


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.196 ng/ul
RT: 25.49 min Scan# 3842
Delta R.T. 0.02 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

Instrument :
BNA_M
ClientSampleId :

Tot 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. 0.03 min
Lab File: BM023707.D
Acq: 13 Nov 2019 21:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.3	13.2	19.8#
277	30.4	18.6	28.0#

