

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
 Data File : BM022361.D
 Acq On : 27 Aug 2019 10:42
 Operator : HP/JU
 Sample : K4414-07
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 27 17:08:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 27 17:04:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	35620	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	49247	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	113371	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.96	188	254412	20.00	ng/ul	-0.01
77) Chrysene-d12	21.17	240	233732	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	205304	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	49778	62.54	ng/uL	-0.05
5) Phenol-d5	6.77	99	28742	9.35	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.91	67	57025	31.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	69965	28.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	52689	19.78	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	44432	121.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	51900	121.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	94241	108.32	ng/ul	0.02
29) 4-Chloroaniline-d4	10.52	131	1896	1.79	ng/ul	0.02
43) Dimethylphthalate-d6	13.63	166	349168	34.97	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	383482	35.66	ng/ul	0.00
51) 4-Nitrophenol-d4	14.42	143	620	0.42	ng/ul	-0.05
57) Fluorene-d10	15.20	176	302401	36.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	51440	26.20	ng/ul	0.00
70) Anthracene-d10	17.06	188	516736	38.36	ng/ul	-0.01
78) Pyrene-d10	19.37	212	587030	48.32	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.23	264	425411	37.72	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.16	88	1398	1.638	ng/uL# 76
4) Benzaldehyde	6.76	77	38738	21.892	ng/ul# 1
6) Phenol	6.80	94	42819	13.008	ng/ul 90
11) 2-Methylphenol	8.02	108	80211	30.942	ng/ul 83
14) Acetophenone	8.38	105	79966	17.361	ng/ul 93
16) 4-Methylphenol	8.33	108	80290	28.170	ng/ul 92
17) Hexachloroethane	8.62	117	22733	17.995	ng/ul# 1
20) Nitrobenzene	8.79	77	10759	9.950	ng/ul# 18
21) Isophorone	9.30	82	185967	94.362	ng/ul 99
23) 2-Nitrophenol	9.30	139	2816	5.999	ng/ul# 1
24) 2,4-Dimethylphenol	9.57	107	12618	11.462	ng/ul 97
25) Bis(2-Chloroethoxy)methane	9.75	93	5665	5.324	ng/ul# 1
30) 4-Chloroaniline	10.47	127	11801828	10715.573	ng/ul# 12
33) 4-Chloro-3-methylphenol	11.68	107	2412	2.478	ng/ul# 21
34) 2-Methylnaphthalene	12.00	142	2024522	966.832	ng/ul 96
40) 1,1'-Biphenyl	13.02	154	345511	37.448	ng/ul 99
44) Dimethylphthalate	13.67	163	21296	2.096	ng/ul# 98
47) Acenaphthylene	13.93	152	1342508	120.393	ng/ul 99
49) Acenaphthene	14.26	153	84188	10.634	ng/ul 98
53) Dibenzofuran	14.60	168	18948	1.607	ng/ul 89
58) Fluorene	15.26	166	421557	42.445	ng/ul 100
69) Phenanthrene	17.02	178	2913136	191.401	ng/ul 99
71) Anthracene	17.10	178	509786	32.187	ng/ul 99

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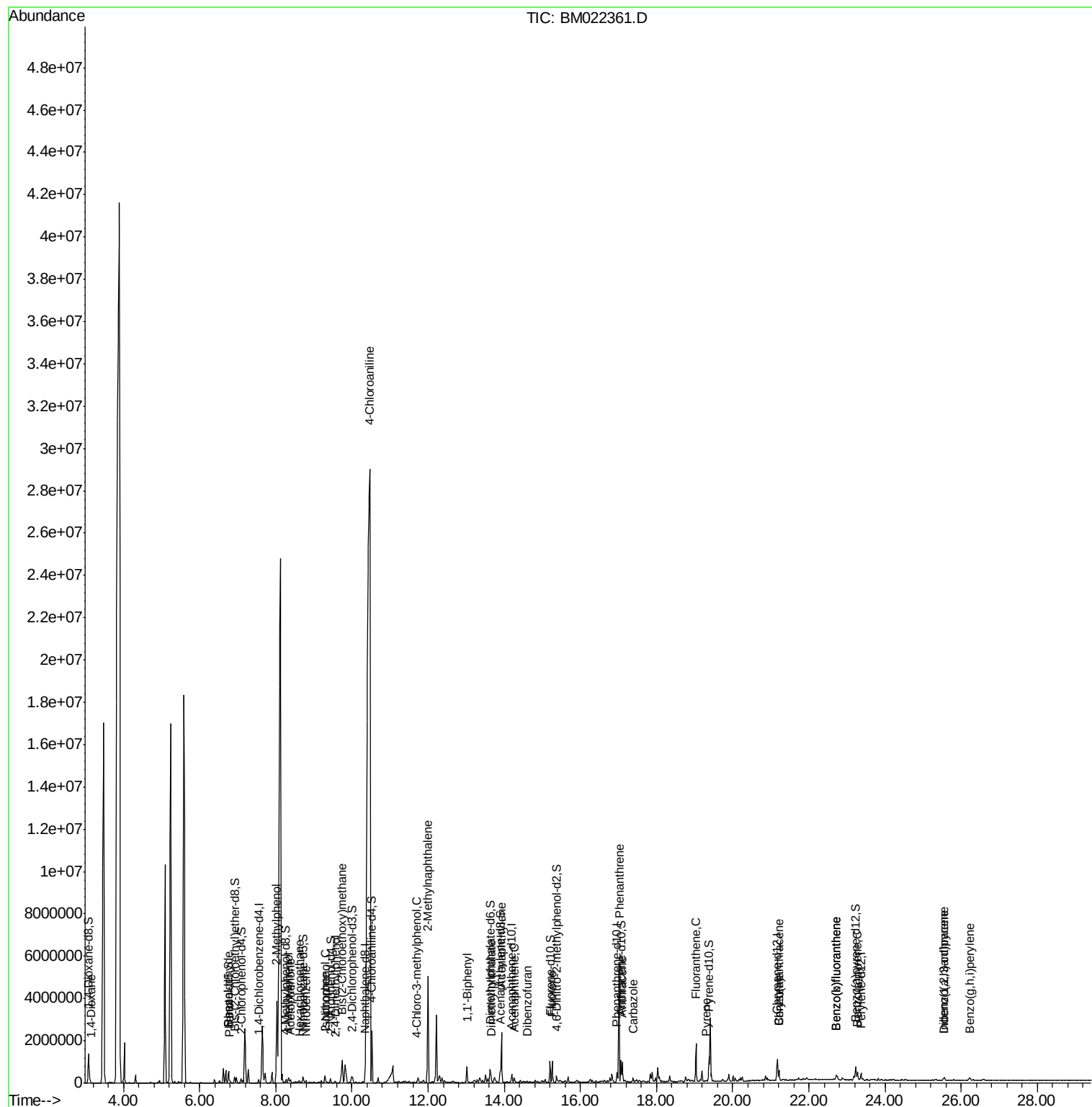
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Carbazole	17.39	167	89485	6.255	ng/ul	99
76) Fluoranthene	19.04	202	1002341	43.702	ng/ul#	97
79) Pyrene	19.31	202	23409	1.547	ng/ul	97
82) Benzo(a)anthracene	21.21	228	237038	13.474	ng/ul	93
84) Chrysene	21.21	228	238275	14.486	ng/ul	97
87) Benzo(b)fluoranthene	22.72	252	196401	13.752	ng/ul	100
88) Benzo(k)fluoranthene	22.72	252	196401	14.181	ng/ul	98
90) Benzo(a)pyrene	23.27	252	257921	18.947	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.55	276	107897	6.826	ng/ul#	94
92) Dibenzo(a,h)anthracene	25.56	278	21613	1.611	ng/ul#	92
93) Benzo(a,h,i)perylene	26.22	276	135575	11.243	ng/ul	98

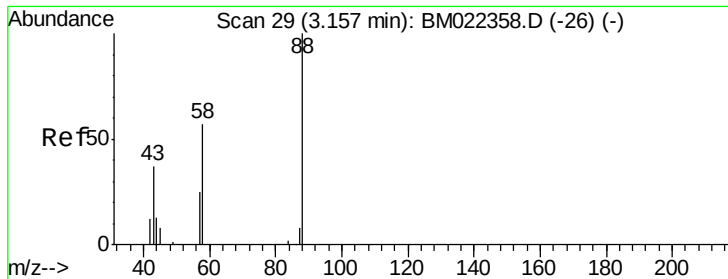
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.638 ng/uL

RT: 3.16 min Scan# 30

Delta R.T. -0.00 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampled :

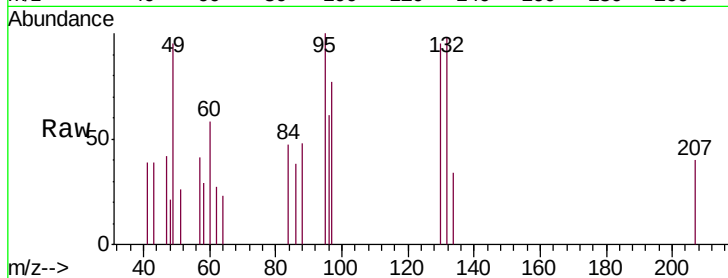
Tot Ion: 88 Resp: 1398

Ion Ratio Lower Upper

88 100

43 80.8 41.5 62.3#

58 59.6 54.8 82.2

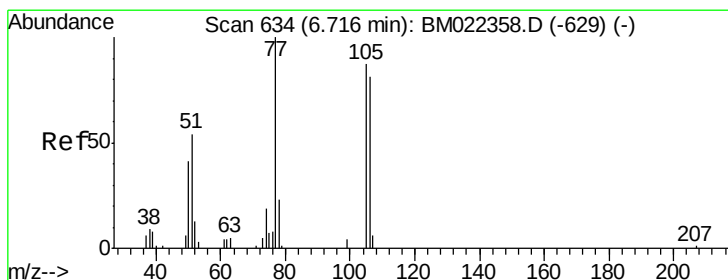
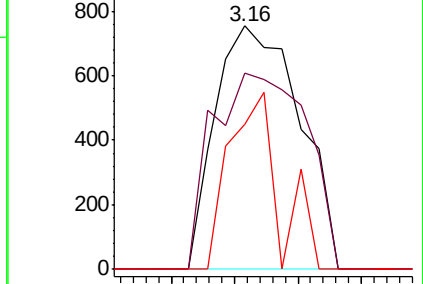
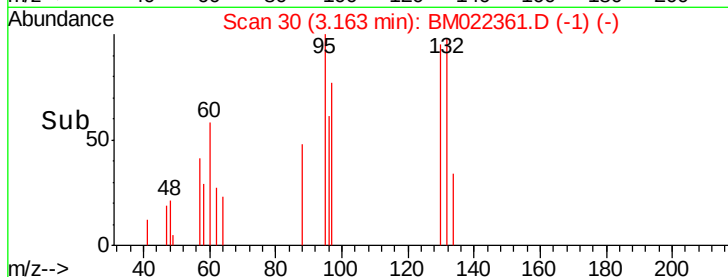


Abundance Ion 88.00 (87.70 to 88.70): BM022358.D (-26) (-)

Ion 43.00 (42.70 to 43.70): BM022358.D (-26) (-)

Ion 58.00 (57.70 to 58.70): BM022358.D (-26) (-)

Time-->



#4

Benzaldehyde

Concen: 21.892 ng/uL

RT: 6.76 min Scan# 641

Delta R.T. 0.03 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

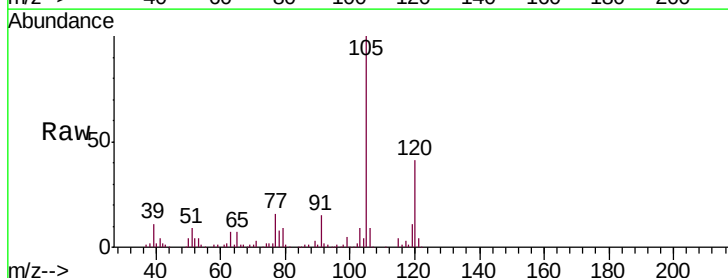
Tgt Ion: 77 Resp: 38738

Ion Ratio Lower Upper

77 100

105 633.5 71.7 107.5#

106 57.1 71.7 107.5#

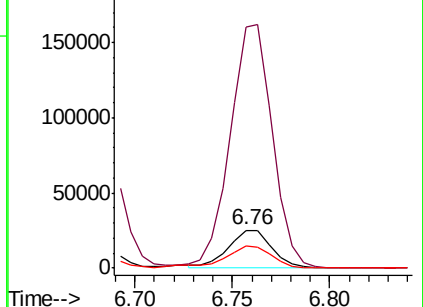
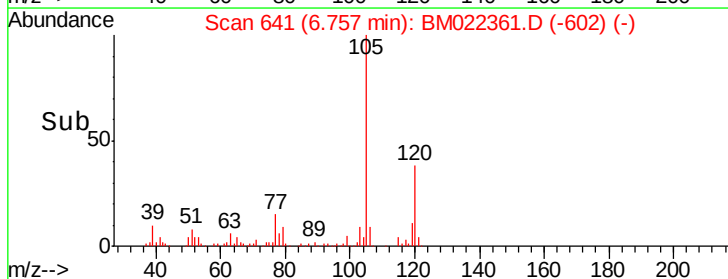


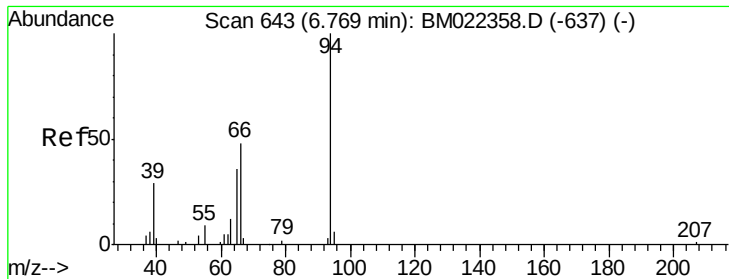
Abundance Ion 77.00 (76.70 to 77.70): BM022358.D (-629) (-)

Ion 105.00 (104.70 to 105.70): BM022358.D (-629) (-)

Ion 106.00 (105.70 to 106.70): BM022358.D (-629) (-)

Time-->





#6

Phenol

Concen: 13.008 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. 0.02 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

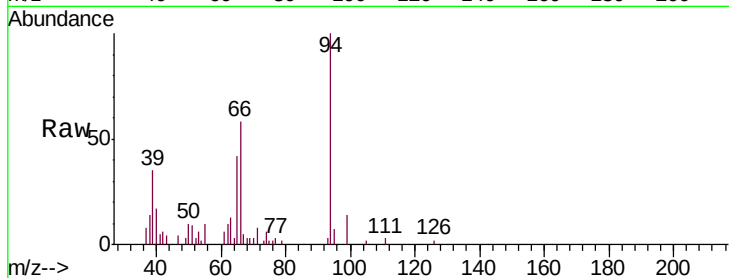
Instrument :

BNA_M

ClientSampled :

Tot Ion: 94 Resp: 42819

Ion	Ratio	Lower	Upper
94	100		
65	42.3	29.2	43.8
66	57.9	40.6	60.8

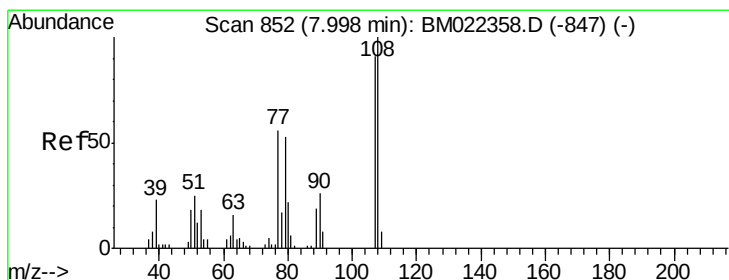
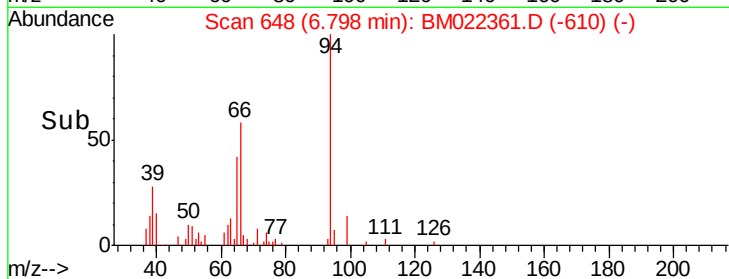
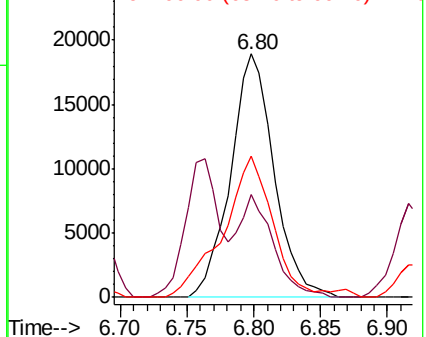


Abundance

Ion 94.00 (93.70 to 94.70): BM022358.D (-637) (-)

Ion 65.00 (64.70 to 65.70): BM022358.D (-637) (-)

Ion 66.00 (65.70 to 66.70): BM022358.D (-637) (-)



#11

2-Methylphenol

Concen: 30.942 ng/ul

RT: 8.02 min Scan# 856

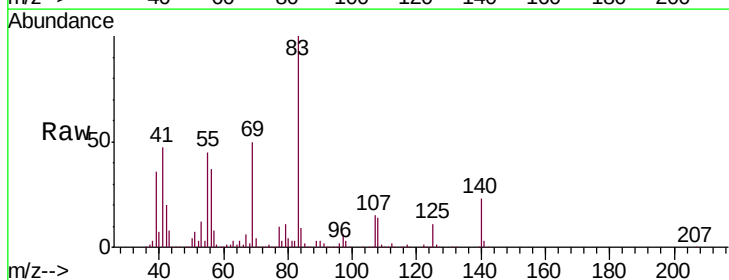
Delta R.T. 0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Tgt Ion: 108 Resp: 80211

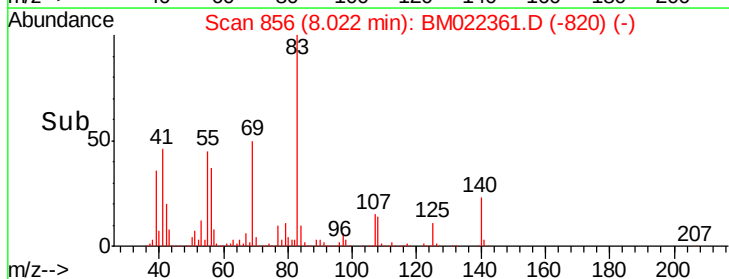
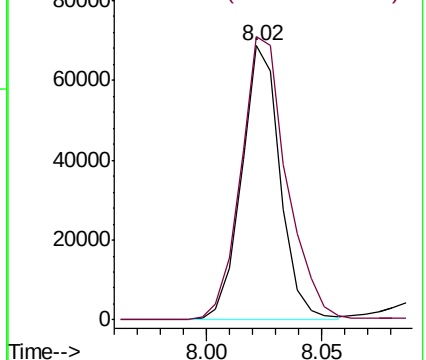
Ion	Ratio	Lower	Upper
108	100		
107	103.2	70.1	105.1

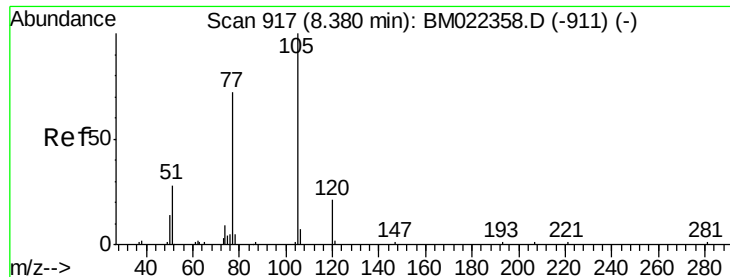


Abundance

Ion 108.00 (107.70 to 108.70): BM022358.D (-847) (-)

Ion 107.00 (106.70 to 107.70): BM022358.D (-847) (-)





#14

Acetophenone

Concen: 17.361 ng/ul

RT: 8.38 min Scan# 917

Delta R.T. -0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampleId :

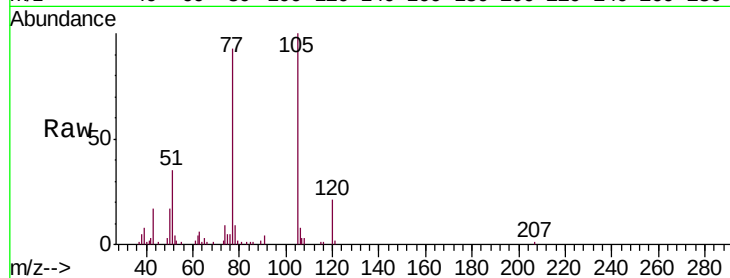
Tot Ion:105 Resp: 79966

Ion Ratio Lower Upper

105 100

77 92.6 68.4 102.6

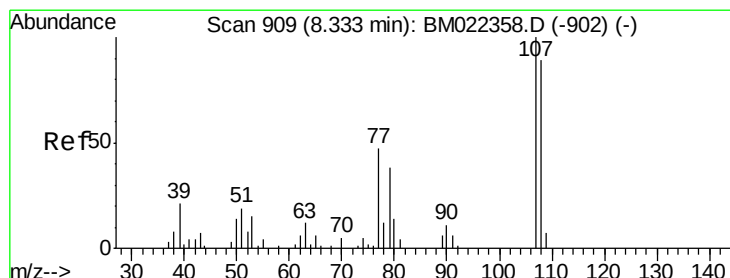
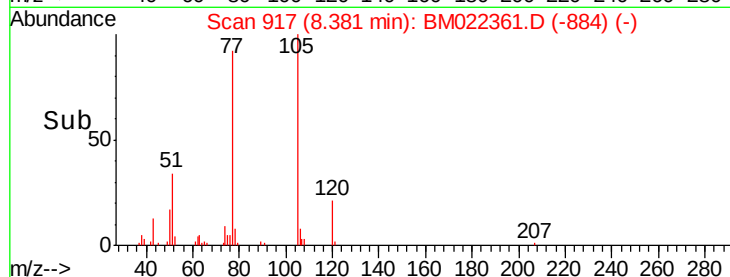
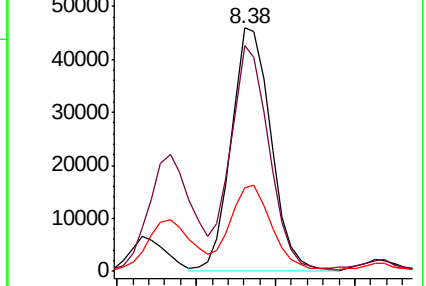
51 34.6 25.0 37.4



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



#16

4-Methylphenol

Concen: 28.170 ng/ul

RT: 8.33 min Scan# 909

Delta R.T. -0.01 min

Lab File: BM022361.D

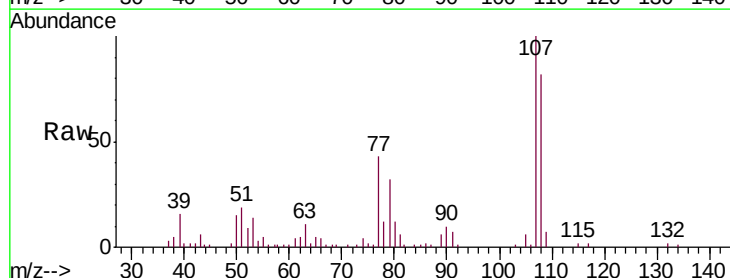
Acq: 27 Aug 2019 10:42

Tgt Ion:108 Resp: 80290

Ion Ratio Lower Upper

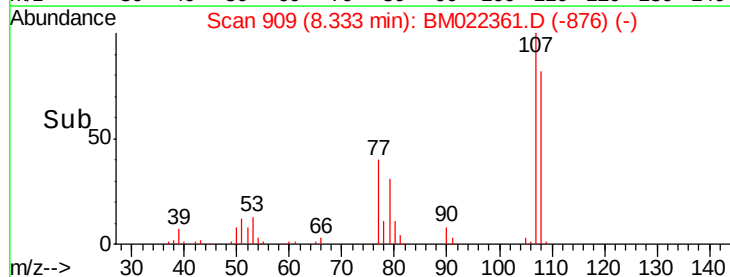
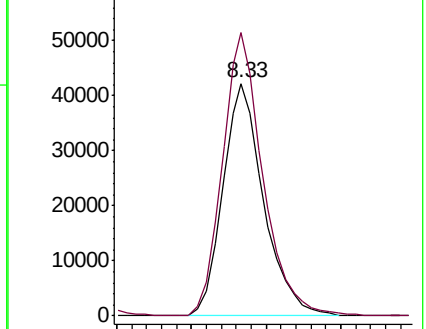
108 100

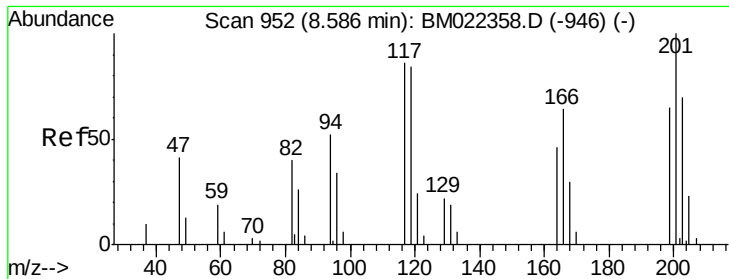
107 121.9 90.8 136.2



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

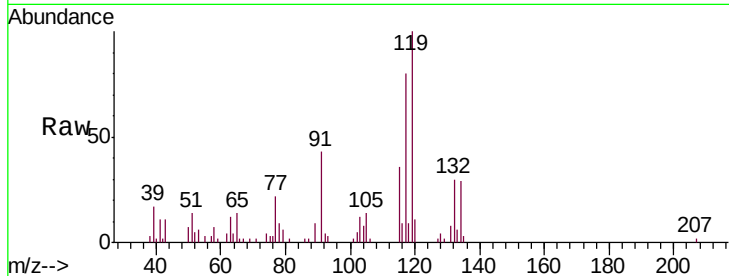




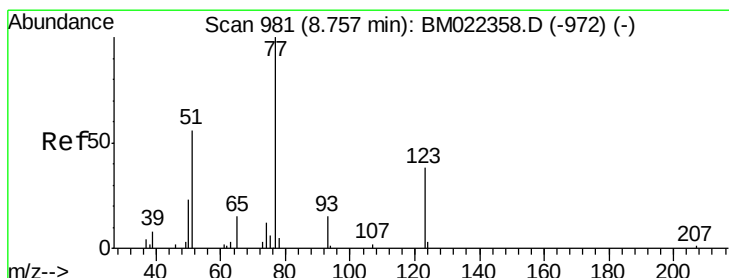
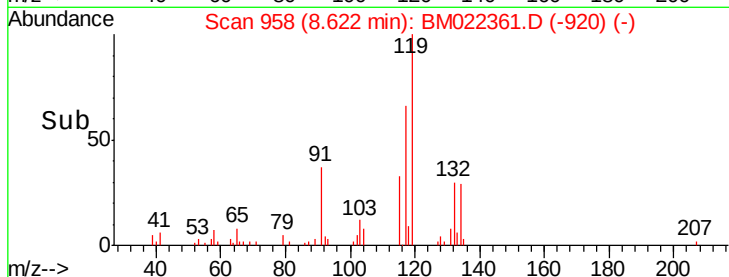
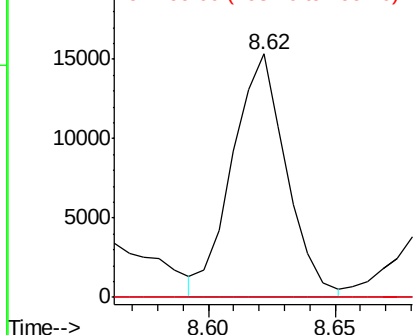
#17
Hexachloroethane
Concen: 17.995 ng/ul
RT: 8.62 min Scan# 958
Delta R.T. 0.02 min
Lab File: BM022361.D
Acq: 27 Aug 2019 10:42

Instrument :
BNA_M
ClientSampleId :

Tot Ion:117 Resp: 22733
Ion Ratio Lower Upper
117 100
201 0.0 95.9 143.9#
199 0.0 60.6 90.8#

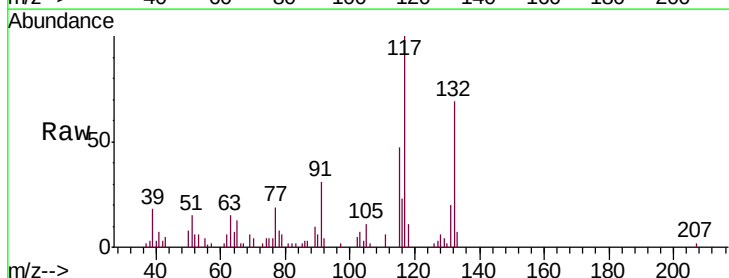


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

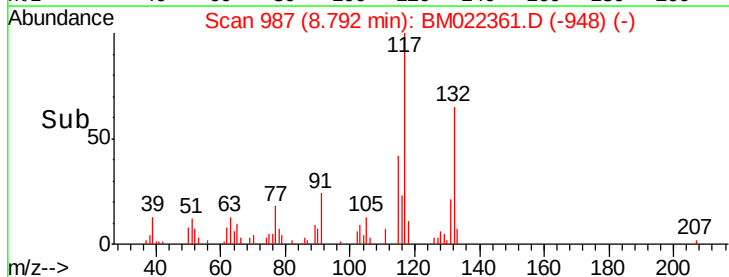
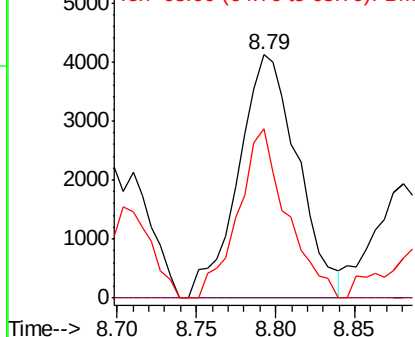


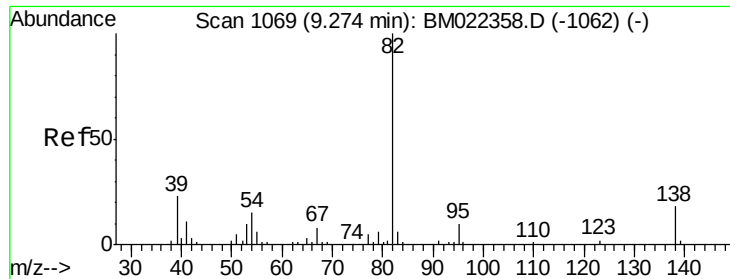
#20
Nitrobenzene
Concen: 9.950 ng/ul
RT: 8.79 min Scan# 987
Delta R.T. 0.03 min
Lab File: BM022361.D
Acq: 27 Aug 2019 10:42

Tgt Ion: 77 Resp: 10759
Ion Ratio Lower Upper
77 100
123 0.0 31.0 46.4#
65 69.4 12.2 18.2#



Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 94.362 ng/ul

RT: 9.30 min Scan# 1073

Delta R.T. 0.02 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampleId :

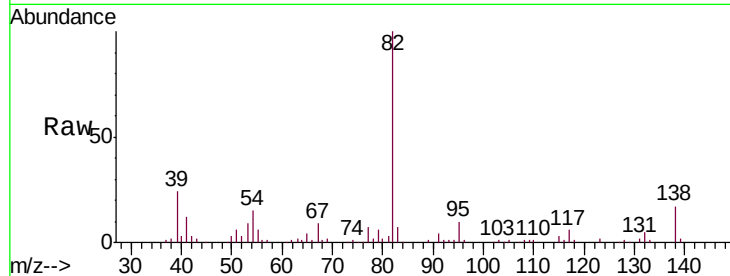
Tot Ion: 82 Resp: 185967

Ion Ratio Lower Upper

82 100

95 9.8 7.2 10.8

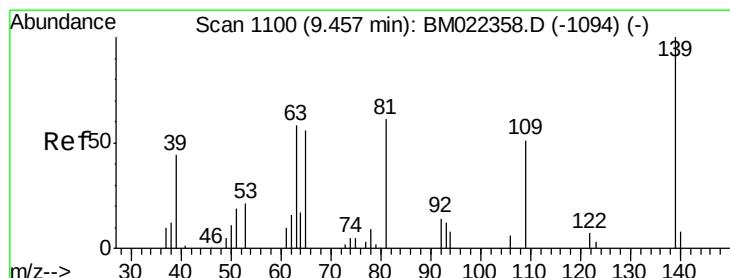
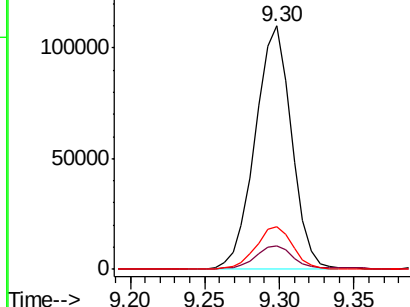
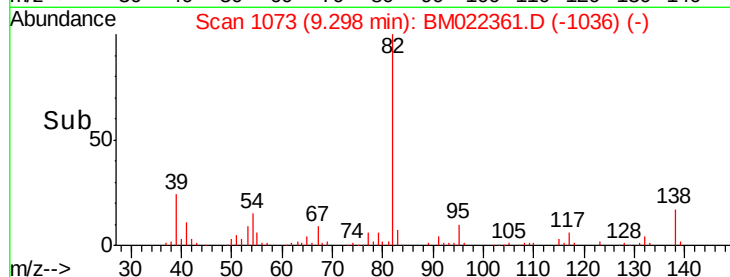
138 17.5 13.8 20.6



Abundance Ion 82.00 (81.70 to 82.70): BM022361.D (-1036) (-)

Ion 95.00 (94.70 to 95.70): BM022361.D (-1036) (-)

Ion 138.00 (137.70 to 138.70): BM022361.D (-1036) (-)



#23

2-Nitrophenol

Concen: 5.999 ng/ul

RT: 9.30 min Scan# 1073

Delta R.T. -0.16 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

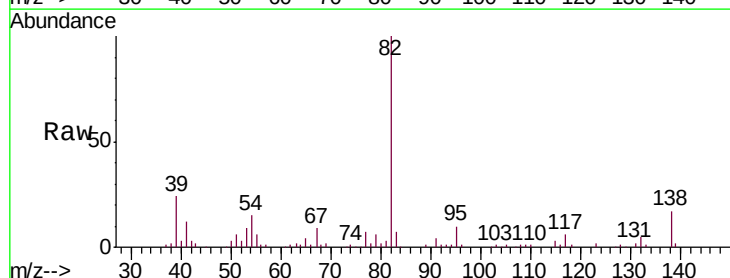
Tgt Ion: 139 Resp: 2816

Ion Ratio Lower Upper

139 100

65 188.2 48.9 73.3#

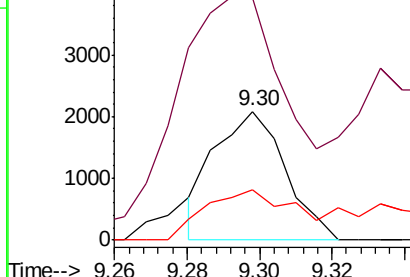
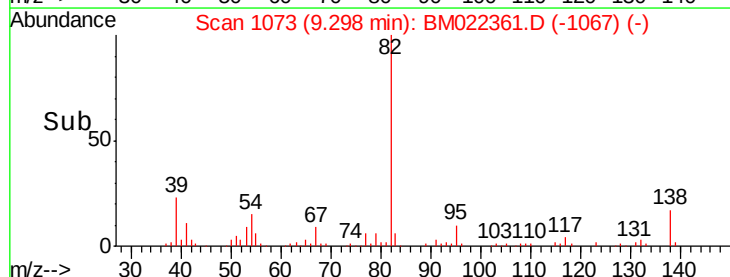
109 39.1 39.7 59.5#

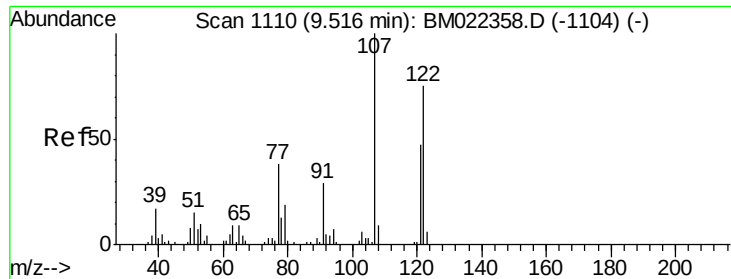


Abundance Ion 139.00 (138.70 to 139.70): BM022361.D (-1067) (-)

Ion 65.00 (64.70 to 65.70): BM022361.D (-1067) (-)

Ion 109.00 (108.70 to 109.70): BM022361.D (-1067) (-)





#24

2,4-Dimethylphenol

Concen: 11.462 ng/ul

RT: 9.57 min Scan# 1119

Delta R.T. 0.05 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampled :

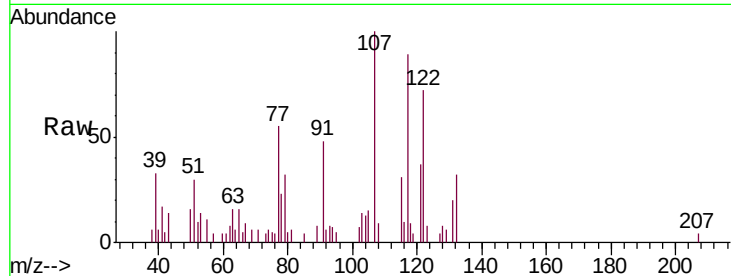
Tot Ion:107 Resp: 12618

Ion Ratio Lower Upper

107 100

121 37.0 33.6 50.4

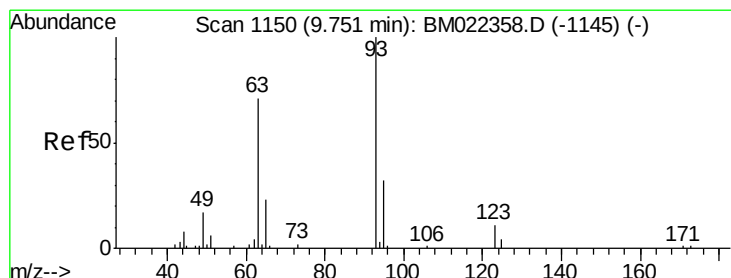
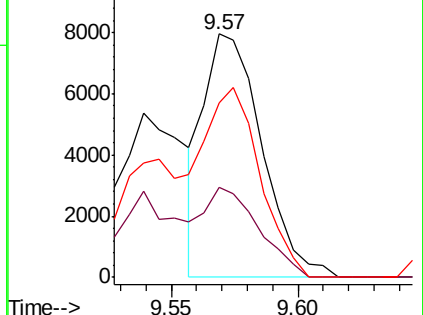
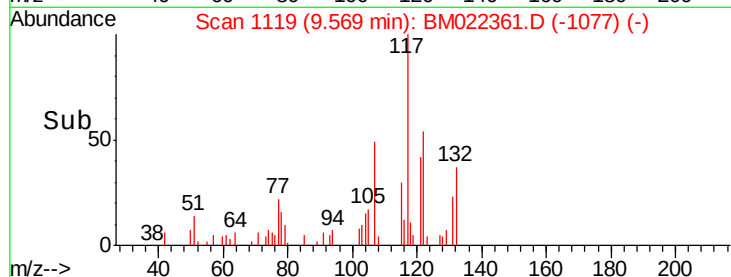
122 71.8 58.0 87.0



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 5.324 ng/ul

RT: 9.75 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

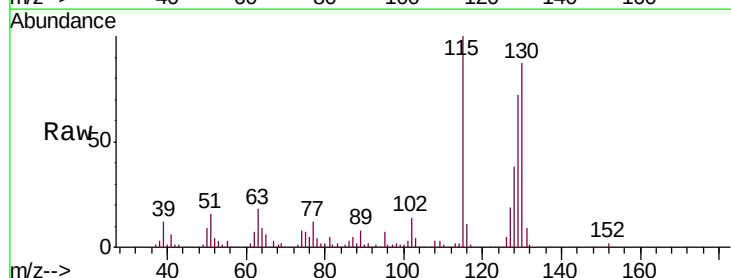
Tgt Ion: 93 Resp: 5665

Ion Ratio Lower Upper

93 100

95 545.1 26.5 39.7#

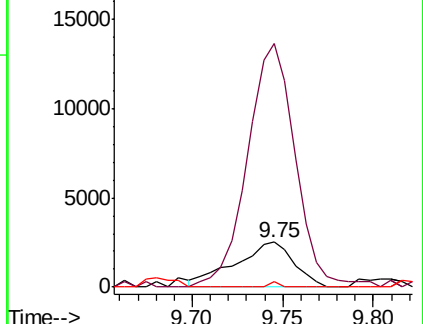
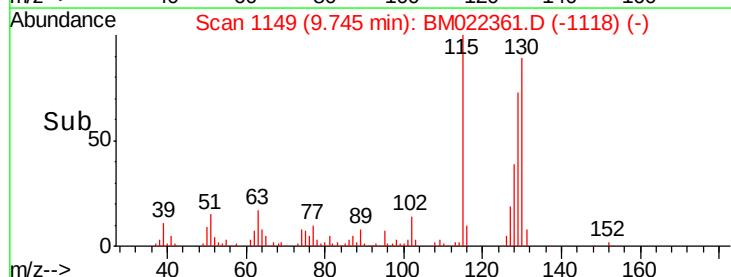
123 13.6 8.4 12.6#

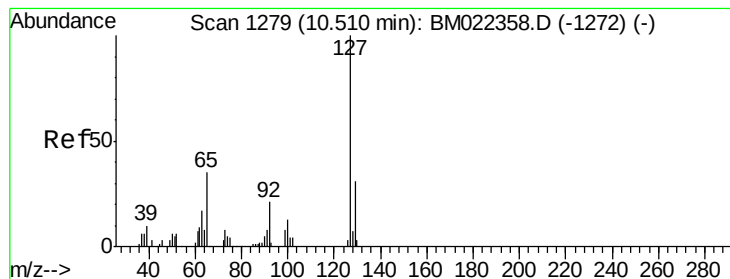


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#30

4-Chloroaniline

Concen: 10715.573 ng/ul

RT: 10.47 min Scan# 1272

Delta R.T. -0.05 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

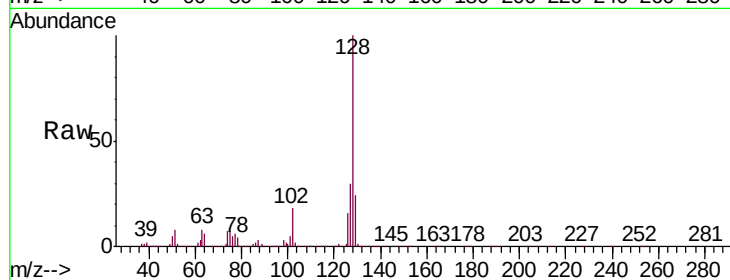
ClientSampled :

Tot Ion:127 Resp:11801828

Ion Ratio Lower Upper

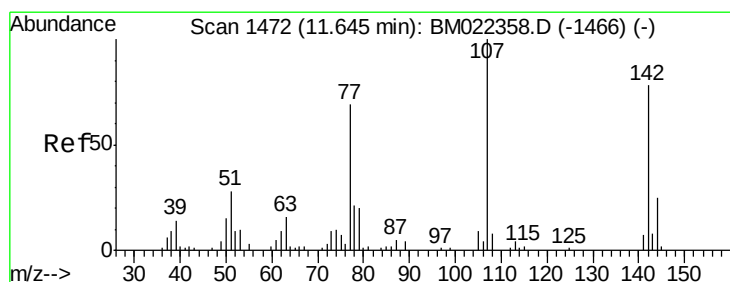
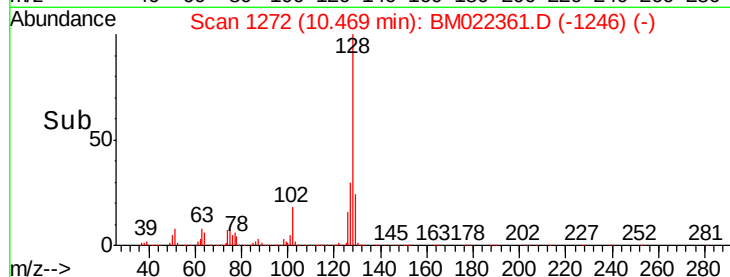
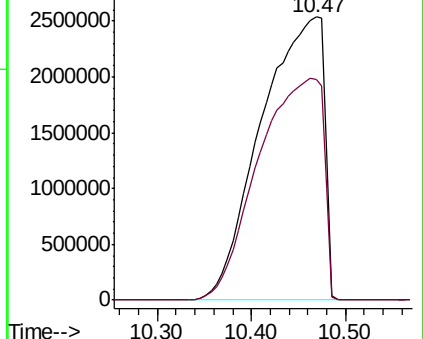
127 100

129 78.1 24.2 36.4#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#33

4-Chloro-3-methylphenol

Concen: 2.478 ng/ul

RT: 11.68 min Scan# 1478

Delta R.T. 0.03 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

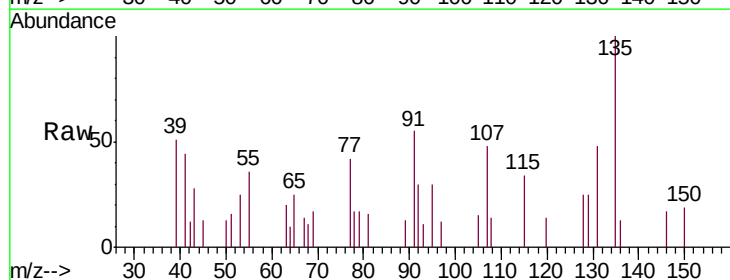
Tgt Ion:107 Resp: 2412

Ion Ratio Lower Upper

107 100

144 0.0 19.8 29.8#

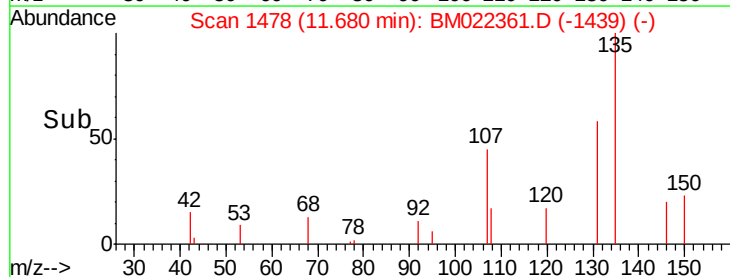
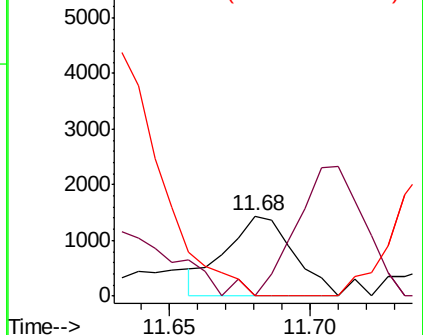
142 0.0 61.5 92.3#

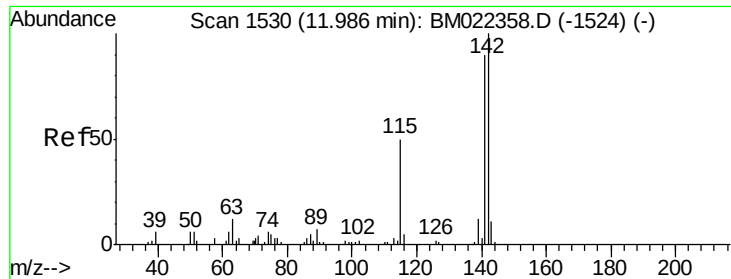


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

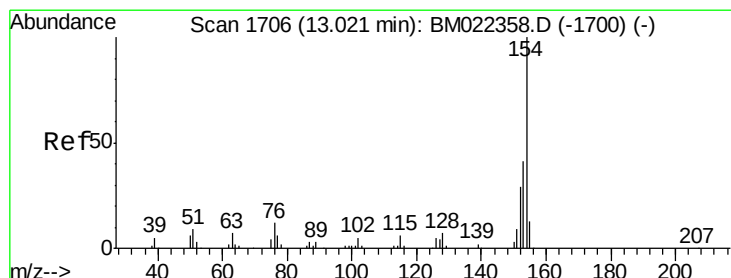
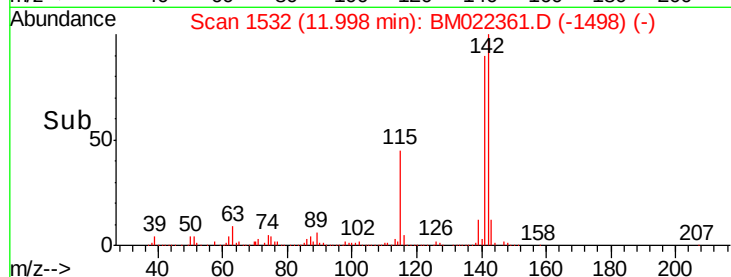
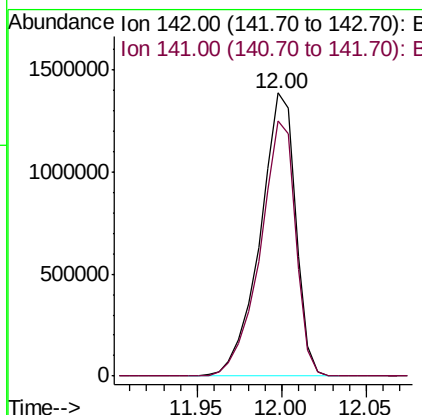
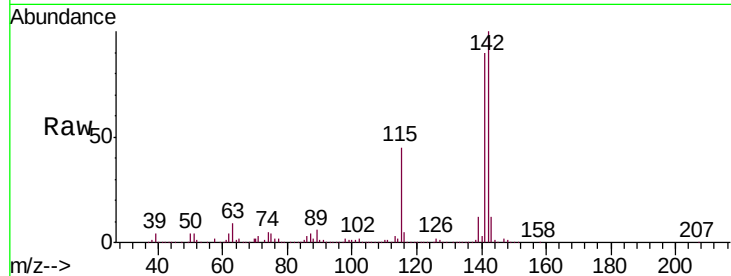




#34
 2-Methylnaphthalene
 Concen: 966.832 ng/ul
 RT: 12.00 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BM022361.D
 Acq: 27 Aug 2019 10:42

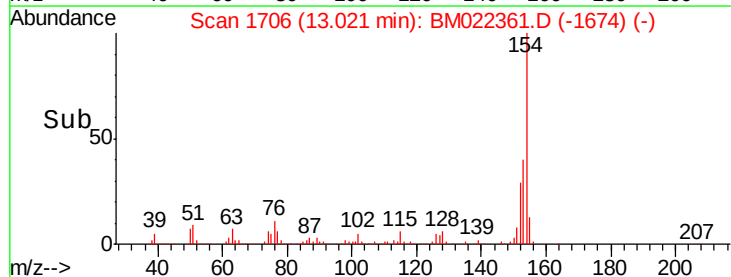
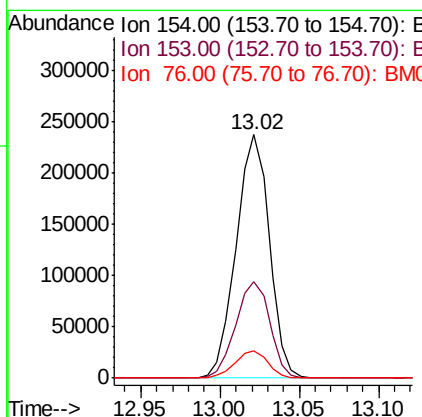
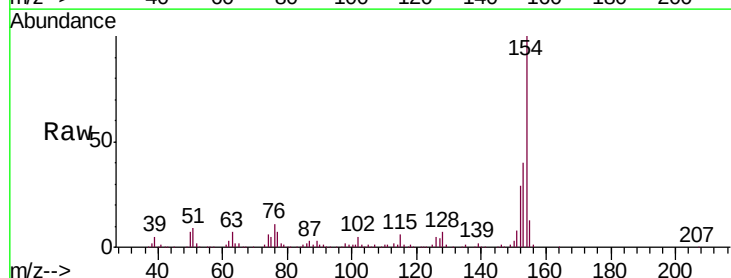
Instrument :
 BNA_M
 ClientSampleId :

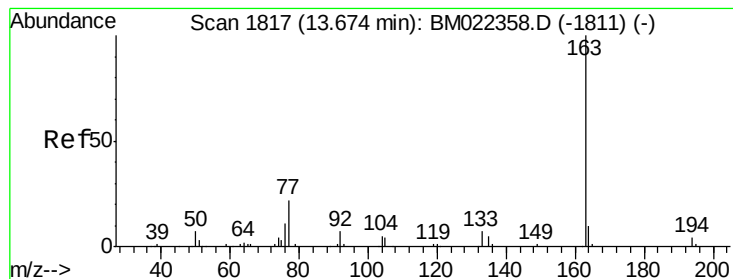
Tot Ion:142 Resp: 2024522
 Ion Ratio Lower Upper
 142 100
 141 90.4 75.1 112.7



#40
 1,1'-Biphenyl
 Concen: 37.448 ng/ul
 RT: 13.02 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: BM022361.D
 Acq: 27 Aug 2019 10:42

Tgt Ion:154 Resp: 345511
 Ion Ratio Lower Upper
 154 100
 153 39.9 32.5 48.7
 76 11.3 9.2 13.8





#44

Dimethylphthalate

Concen: 2.096 ng/ul

RT: 13.67 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampleId :

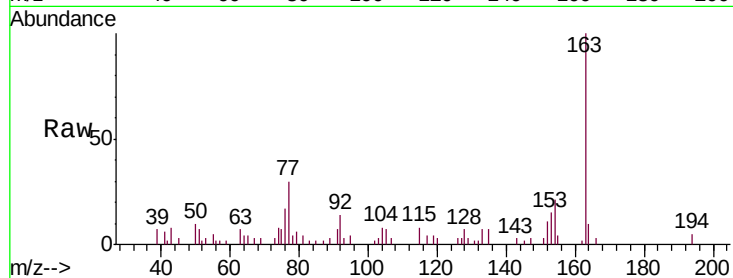
Tot Ion:163 Resp: 21296

Ion Ratio Lower Upper

163 100

194 5.2 3.0 4.6#

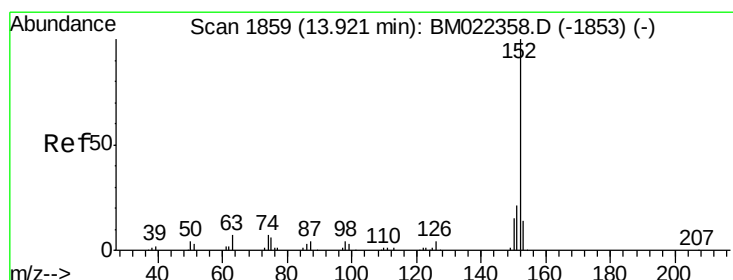
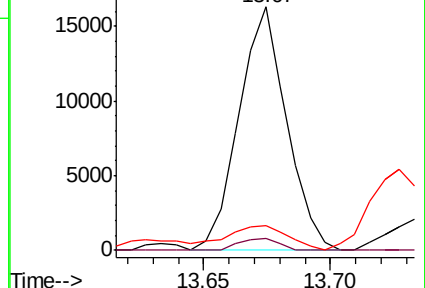
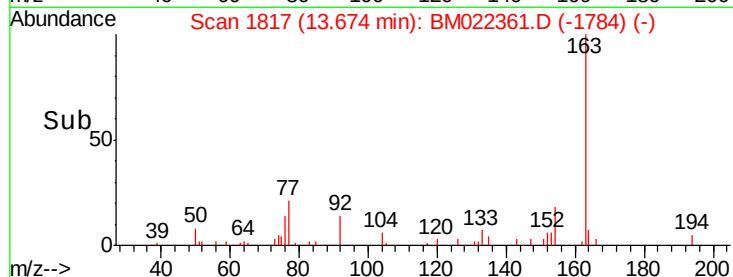
164 10.2 7.8 11.8



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



#47

Acenaphthylene

Concen: 120.393 ng/ul

RT: 13.93 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

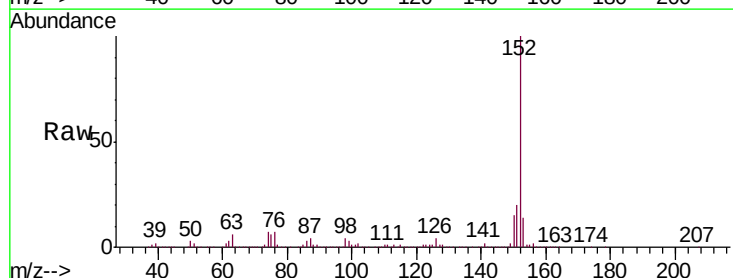
Tgt Ion:152 Resp: 1342508

Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

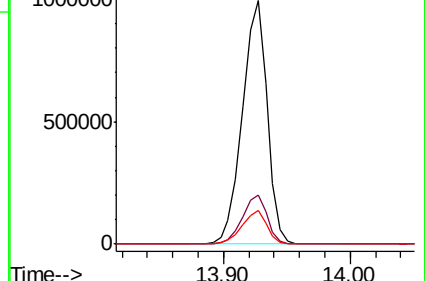
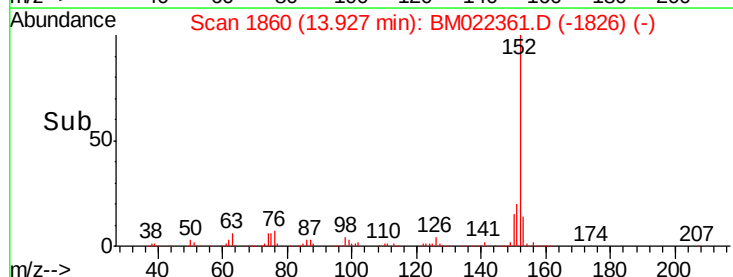
153 13.6 10.4 15.6

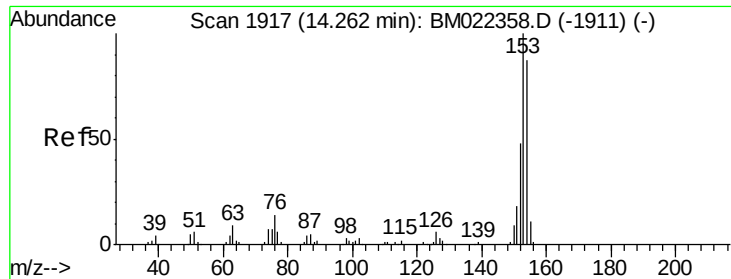


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 10.634 ng/ul

RT: 14.26 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampleId :

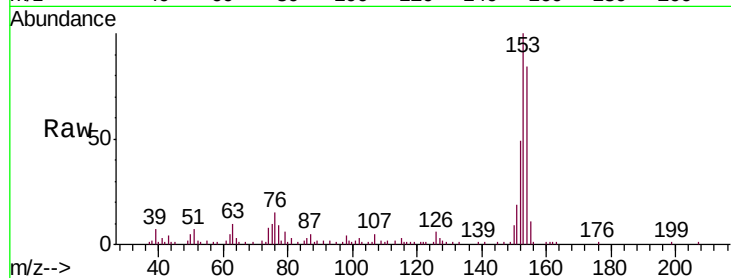
Tot Ion:153 Resp: 84188

Ion Ratio Lower Upper

153 100

152 49.0 38.6 58.0

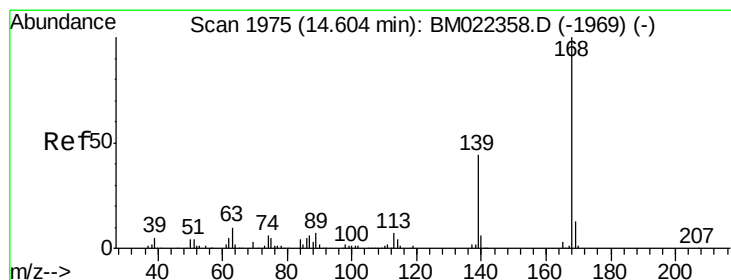
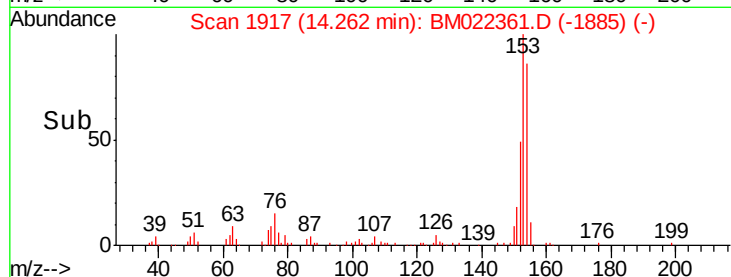
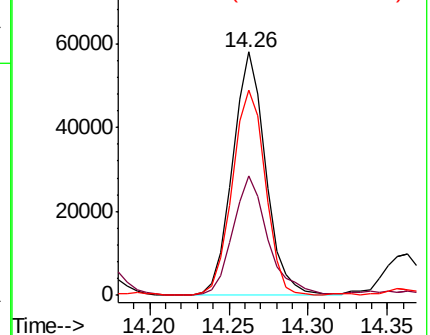
154 84.2 68.9 103.3



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



#53

Dibenzofuran

Concen: 1.607 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BM022361.D

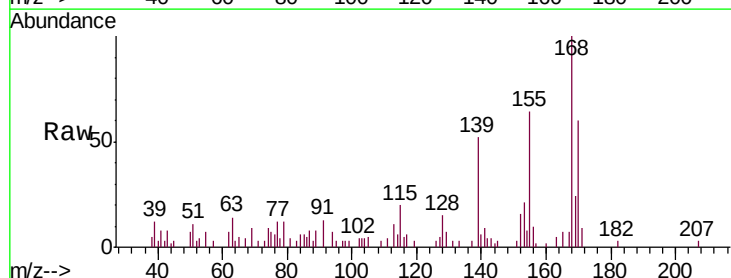
Acq: 27 Aug 2019 10:42

Tgt Ion:168 Resp: 18948

Ion Ratio Lower Upper

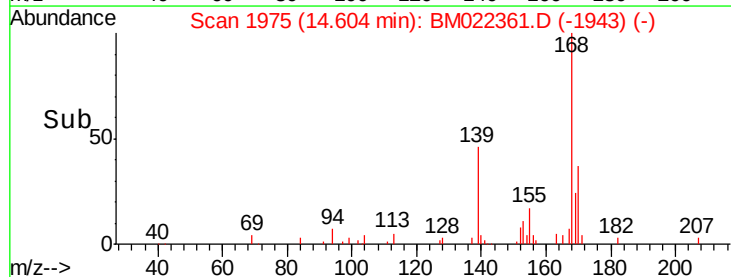
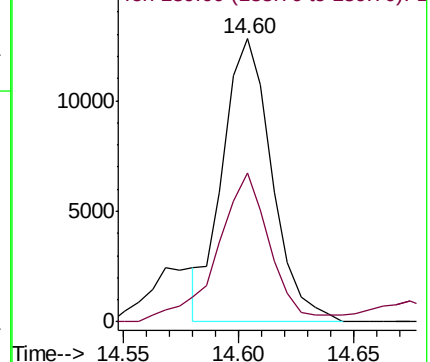
168 100

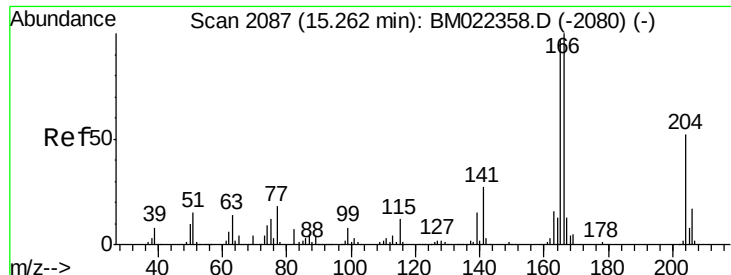
139 52.4 36.2 54.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

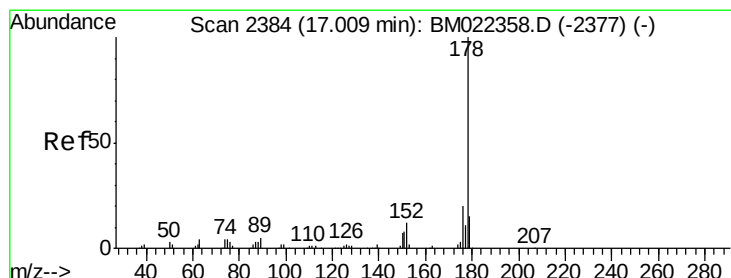
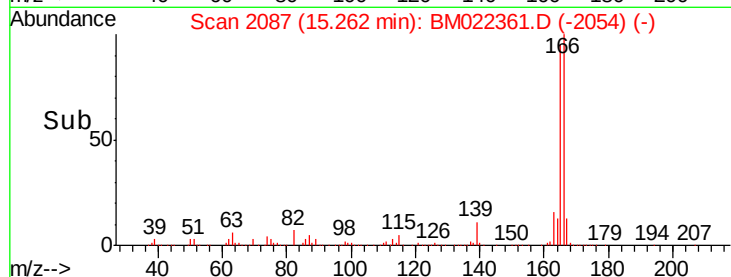
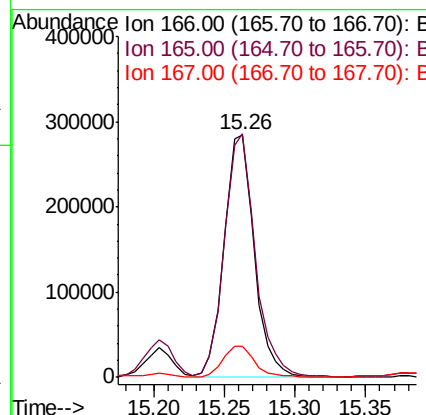
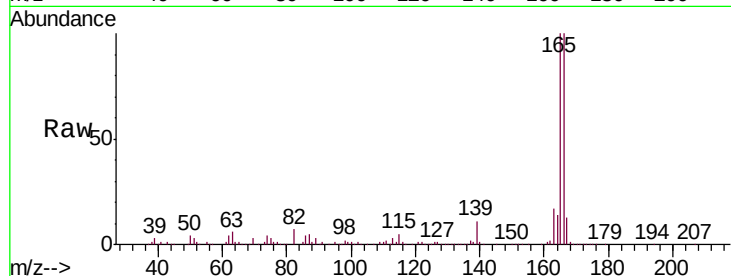




#58
 Fluorene
 Concen: 42.445 ng/ul
 RT: 15.26 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: BM022361.D
 Acq: 27 Aug 2019 10:42

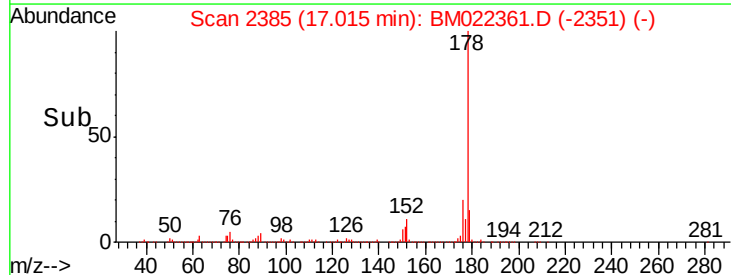
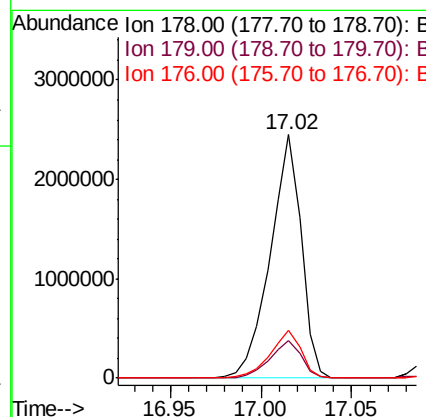
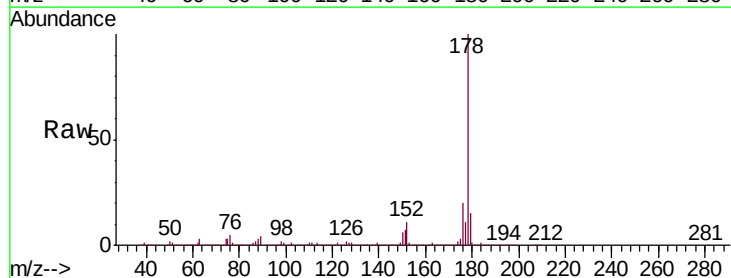
Instrument :
 BNA_M
 ClientSampleId :

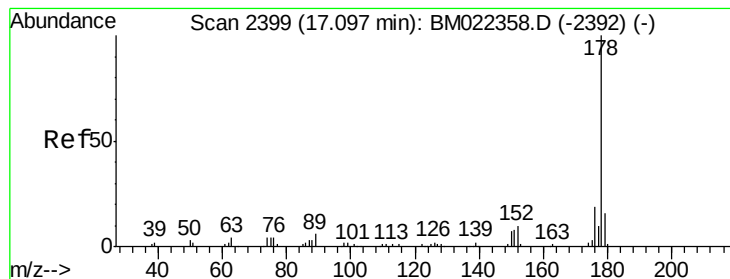
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.2	80.2	120.2
167	12.9	11.4	17.0



#69
 Phenanthrene
 Concen: 191.401 ng/ul
 RT: 17.02 min Scan# 2385
 Delta R.T. -0.00 min
 Lab File: BM022361.D
 Acq: 27 Aug 2019 10:42

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	19.6	15.4	23.0





#71

Anthracene

Concen: 32.187 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampled :

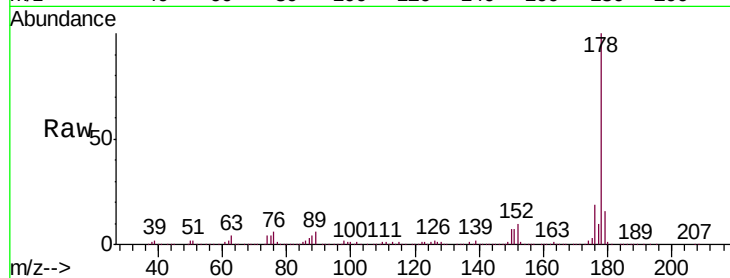
Tot Ion:178 Resp: 509786

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

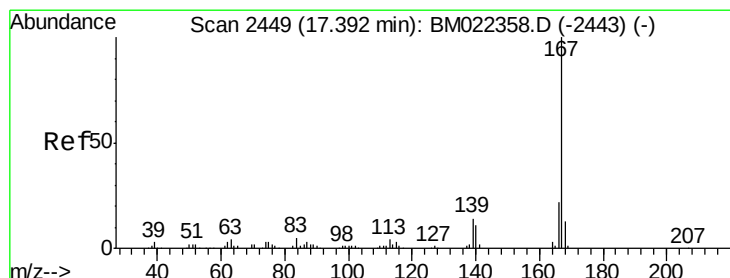
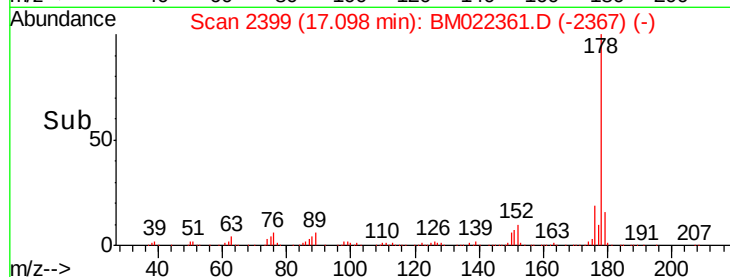
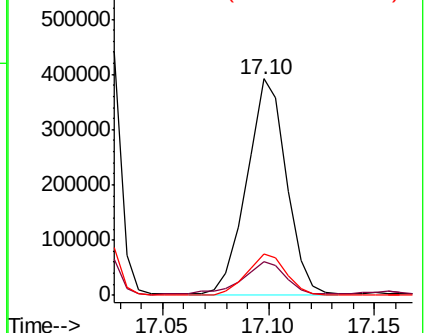
176 19.0 15.5 23.3



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



#74

Carbazole

Concen: 6.255 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

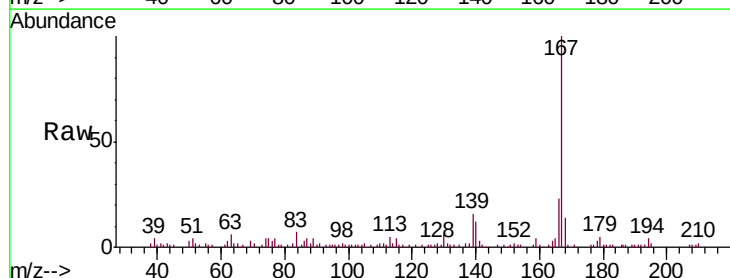
Tgt Ion:167 Resp: 89485

Ion Ratio Lower Upper

167 100

166 22.5 17.8 26.8

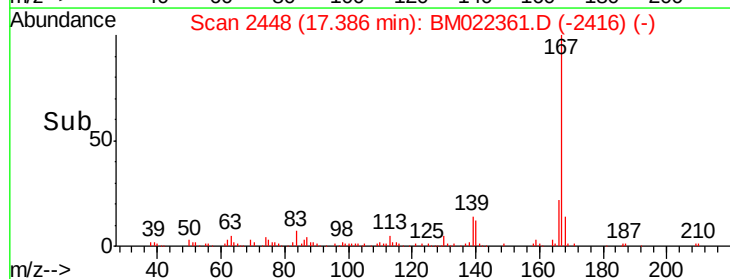
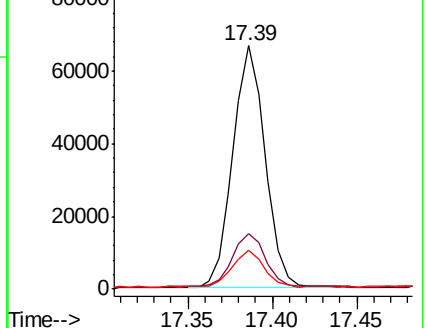
139 15.8 11.8 17.8

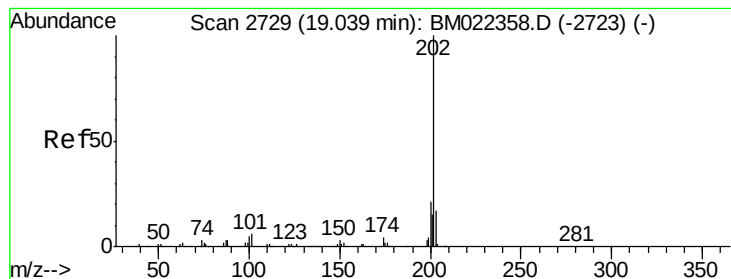


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 43.702 ng/ul

RT: 19.04 min Scan# 2729

Delta R.T. -0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampleId :

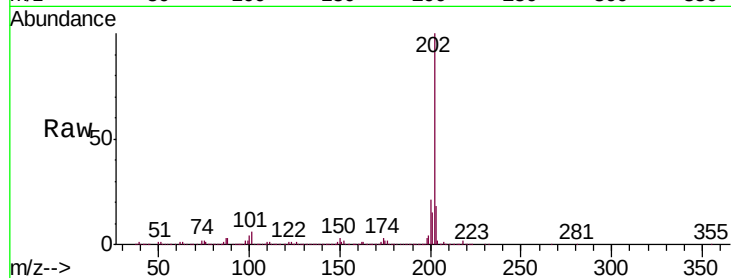
Tot Ion:202 Resp: 1002341

Ion Ratio Lower Upper

202 100

101 5.5 5.3 7.9

100 4.5 4.6 6.8#



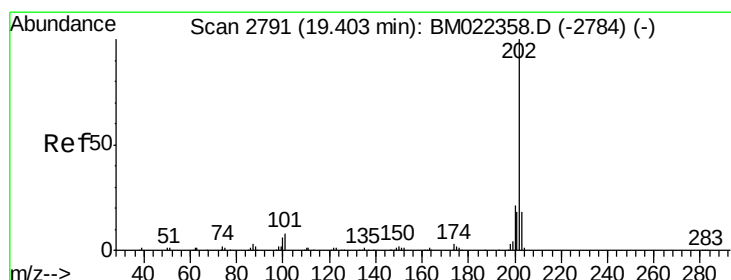
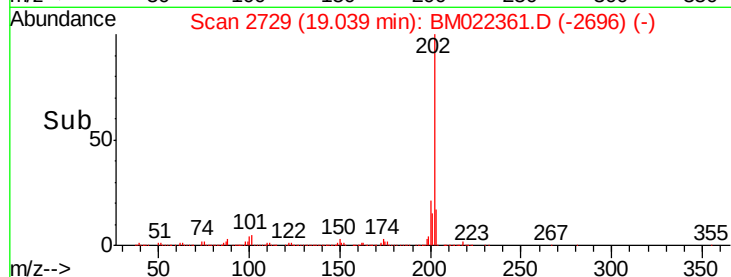
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.04

Time-->



#79

Pyrene

Concen: 1.547 ng/ul

RT: 19.31 min Scan# 2775

Delta R.T. -0.10 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

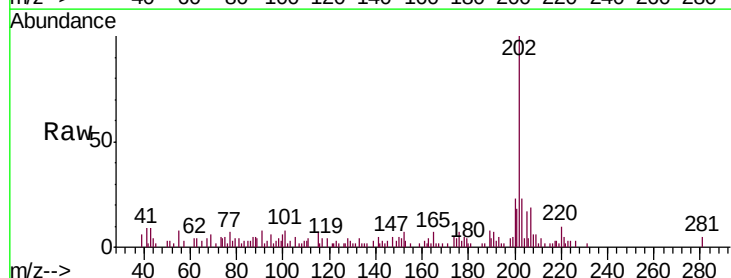
Tgt Ion:202 Resp: 23409

Ion Ratio Lower Upper

202 100

101 7.6 7.0 10.4

100 6.3 5.8 8.8



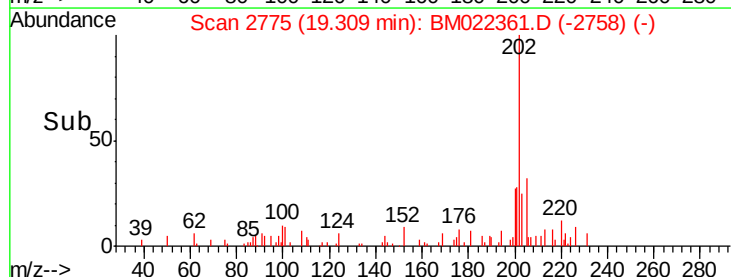
Abundance Ion 202.00 (201.70 to 202.70): E

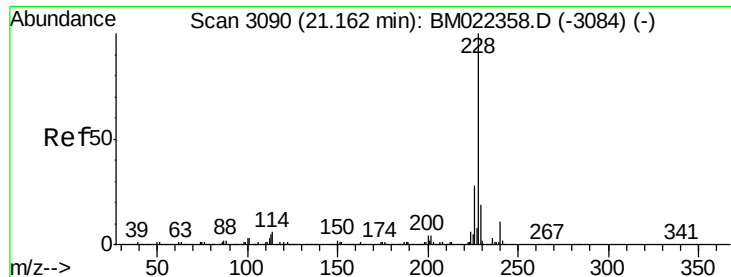
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.31

Time-->

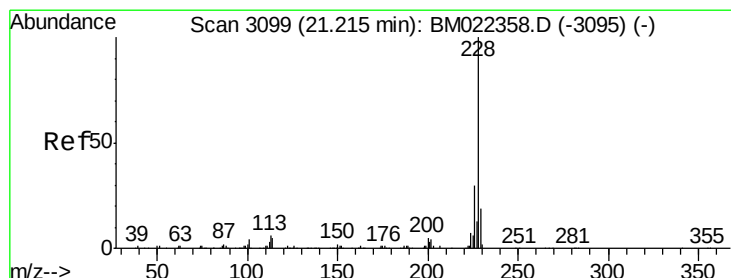
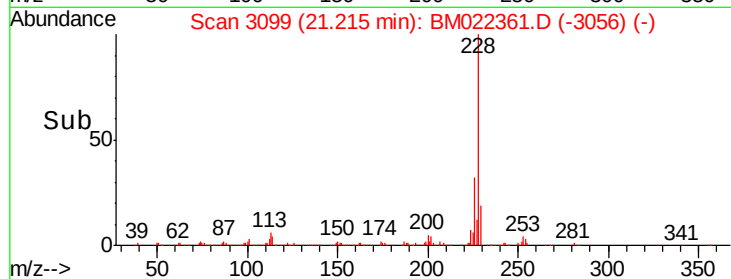
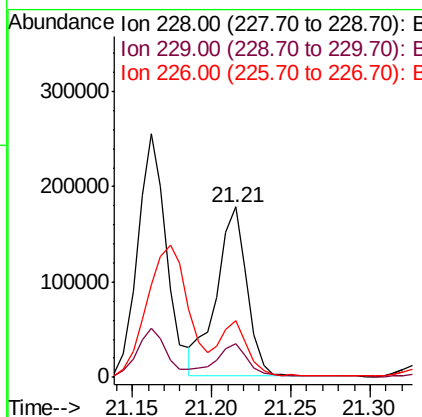
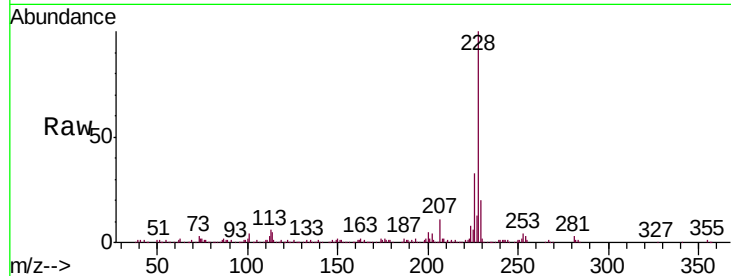




#82
Benzo(a)anthracene
Concen: 13.474 ng/ul
RT: 21.21 min Scan# 3099
Delta R.T. 0.05 min
Lab File: BM022361.D
Acq: 27 Aug 2019 10:42

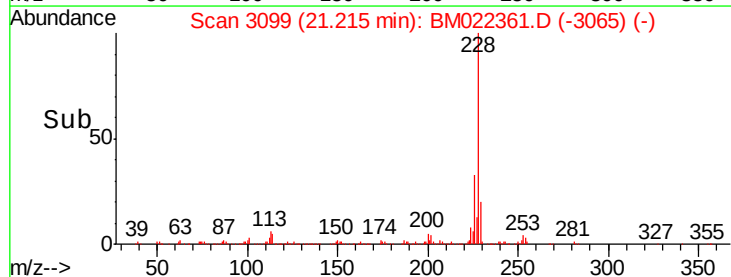
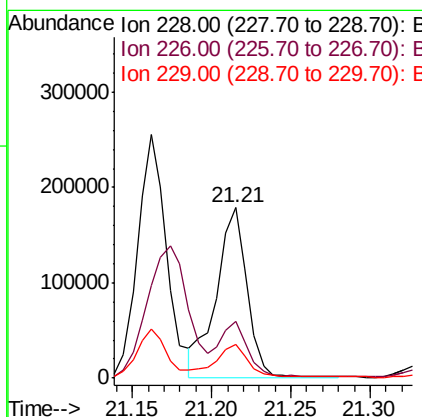
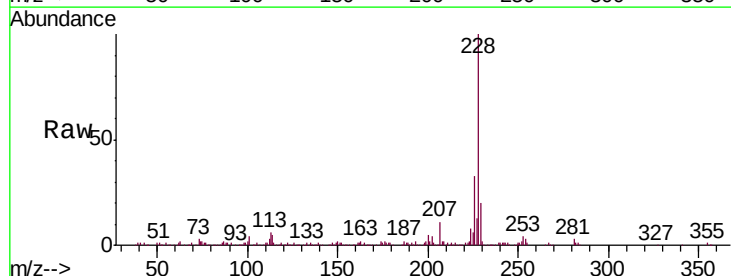
Instrument :
BNA_M
ClientSampleId :

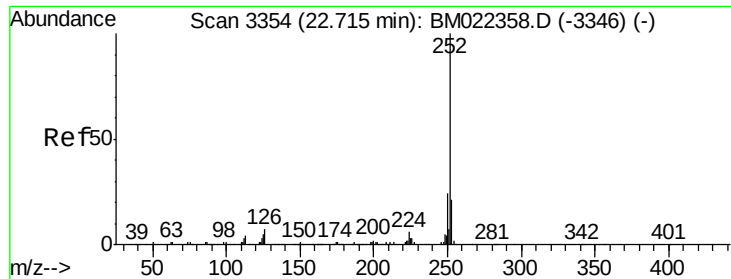
Tot Ion:228 Resp: 237038
Ion Ratio Lower Upper
228 100
229 20.1 15.2 22.8
226 32.9 22.3 33.5



#84
Chrysene
Concen: 14.486 ng/ul
RT: 21.21 min Scan# 3099
Delta R.T. -0.00 min
Lab File: BM022361.D
Acq: 27 Aug 2019 10:42

Tgt Ion:228 Resp: 238275
Ion Ratio Lower Upper
228 100
226 32.9 24.7 37.1
229 20.1 15.7 23.5





#87

Benzo(b)fluoranthene

Concen: 13.752 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampled :

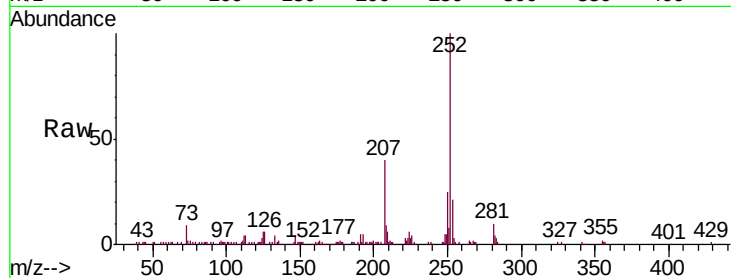
Tot Ion:252 Resp: 196401

Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.6

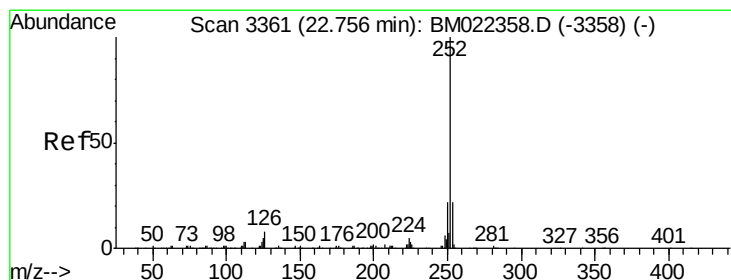
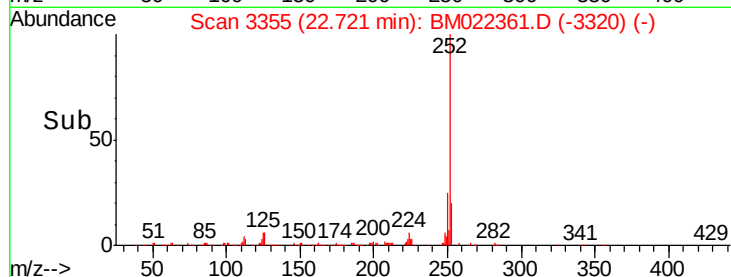
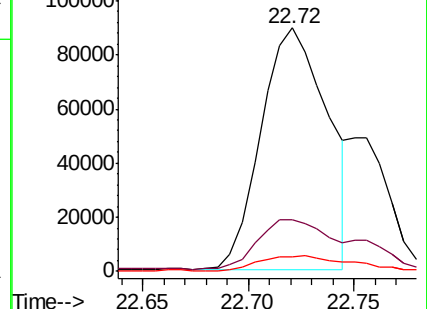
125 6.2 5.2 7.8



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



#88

Benzo(k)fluoranthene

Concen: 14.181 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

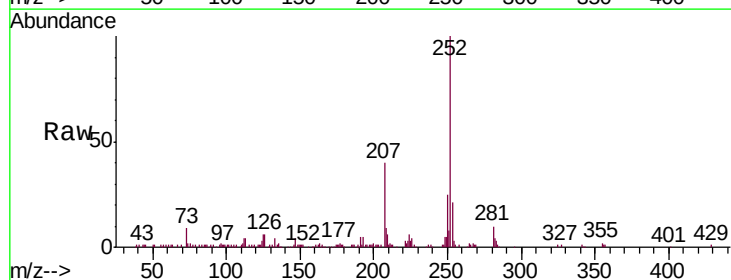
Tgt Ion:252 Resp: 196401

Ion Ratio Lower Upper

252 100

253 21.4 18.1 27.1

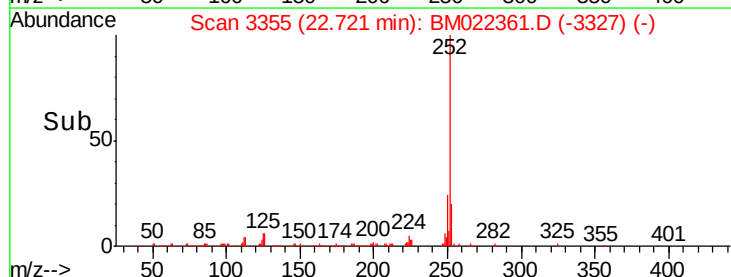
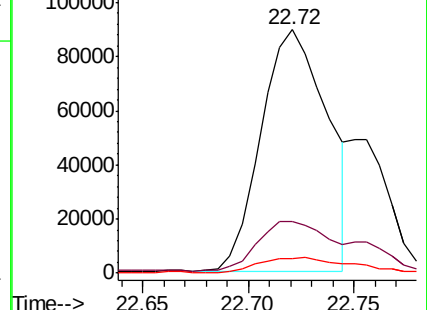
125 6.2 5.1 7.7

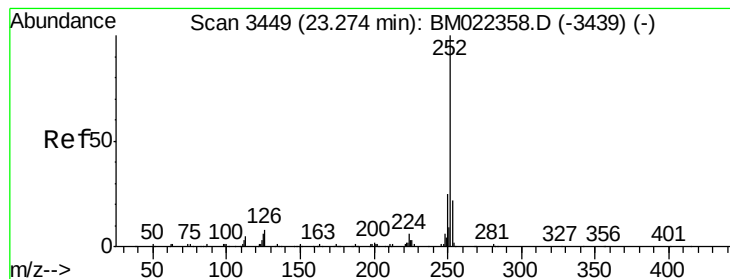


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 18.947 ng/ul

RT: 23.27 min Scan# 3449

Delta R.T. -0.00 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampleId :

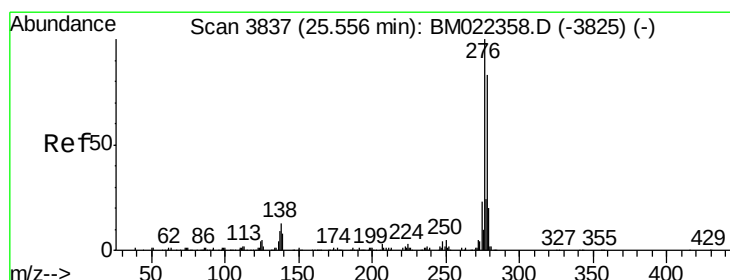
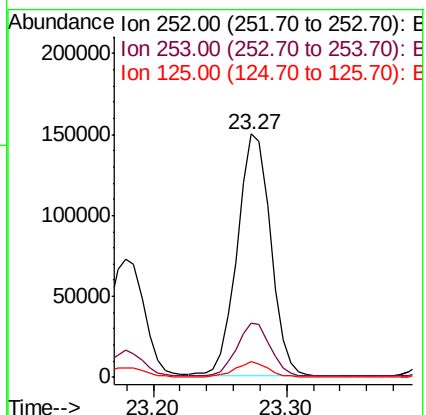
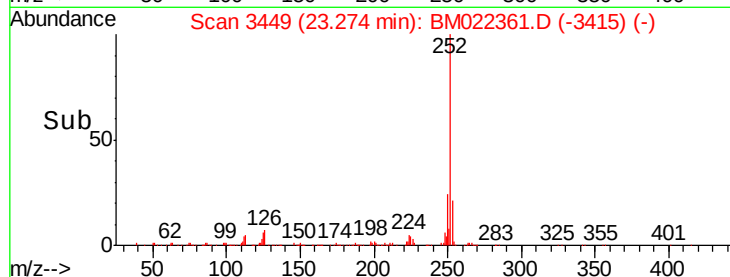
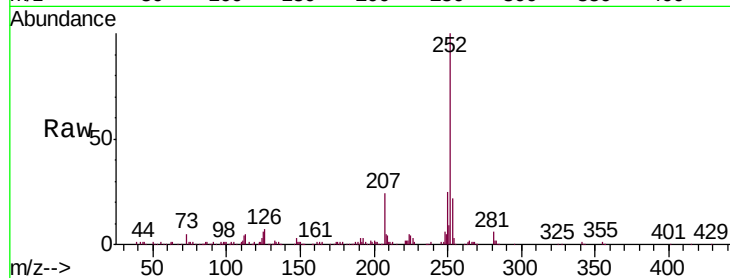
Tot Ion:252 Resp: 257921

Ion Ratio Lower Upper

252 100

253 22.0 16.9 25.3

125 6.3 5.5 8.3



#91

Indeno(1,2,3-cd)pyrene

Concen: 6.826 ng/ul

RT: 25.55 min Scan# 3836

Delta R.T. -0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

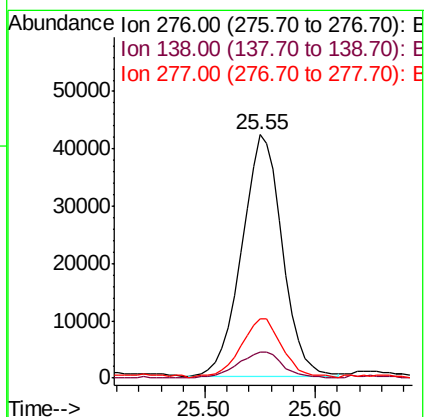
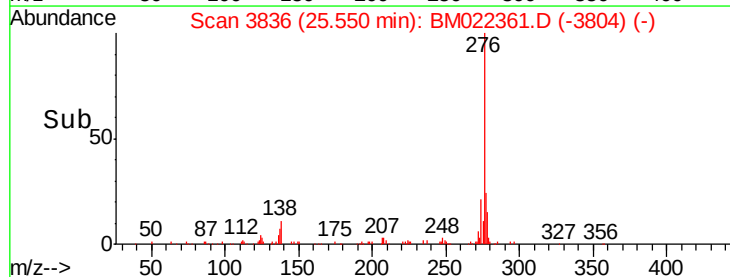
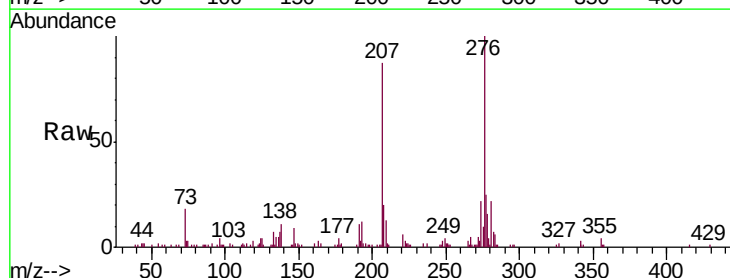
Tgt Ion:276 Resp: 107897

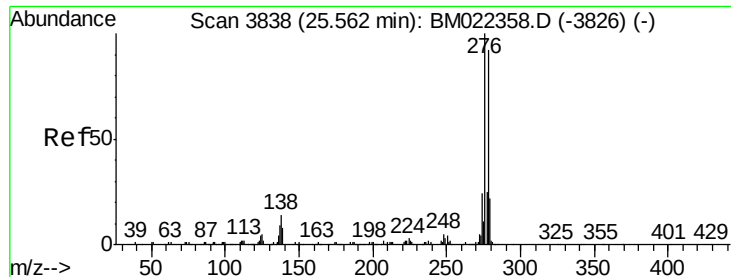
Ion Ratio Lower Upper

276 100

138 10.5 12.6 18.8#

277 24.5 20.2 30.2





#92

Dibenzo(a,h)anthracene

Concen: 1.611 ng/ul

RT: 25.56 min Scan# 3837

Delta R.T. -0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

Instrument :

BNA_M

ClientSampleId :

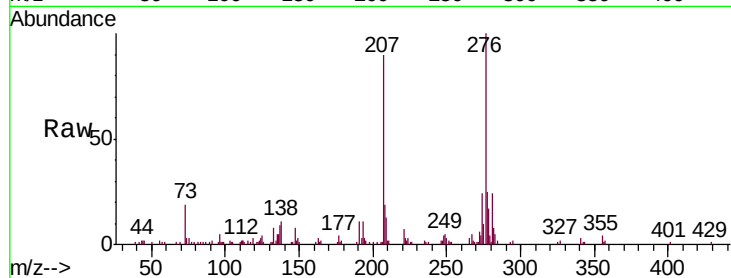
Tot Ion:278 Resp: 21613

Ion Ratio Lower Upper

278 100

139 0.0 7.7 11.5#

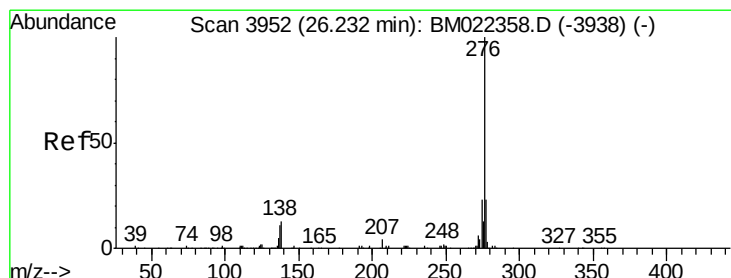
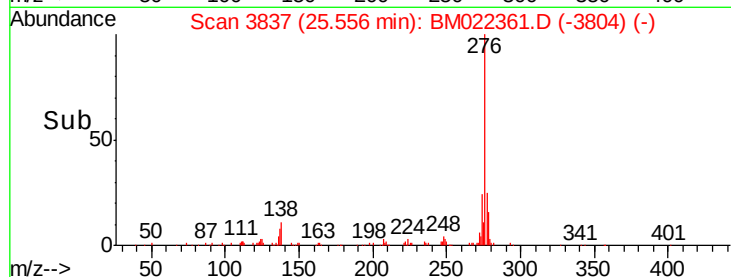
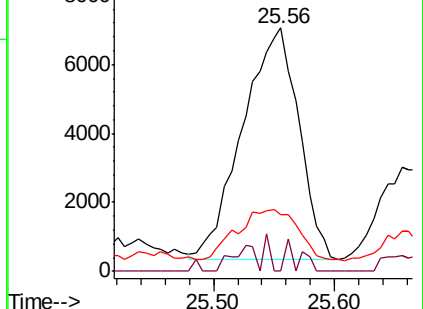
279 23.3 19.0 28.6



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



#93

Benzo(g,h,i)perylene

Concen: 11.243 ng/ul

RT: 26.22 min Scan# 3950

Delta R.T. -0.01 min

Lab File: BM022361.D

Acq: 27 Aug 2019 10:42

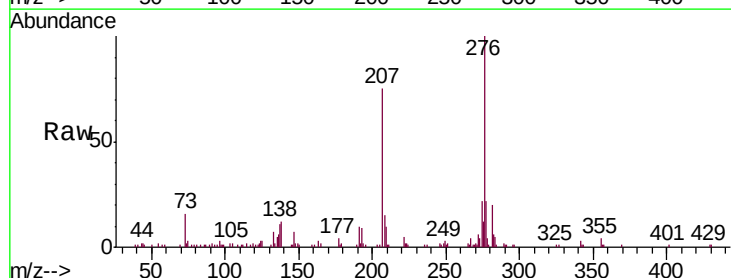
Tgt Ion:276 Resp: 135575

Ion Ratio Lower Upper

276 100

138 12.0 10.2 15.4

277 22.1 18.2 27.4



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

