

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
 Data File : BM022325.D
 Acq On : 26 Aug 2019 11:39
 Operator : HP/JU
 Sample : K4373-19RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Quant Time: Aug 27 10:59:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 27 10:56:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	29410	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	5426	20.00	ng/ul	-0.05
35) Acenaphthene-d10	14.21	164	109778	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	289030	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	193921	20.00	ng/ul	0.00
85) Perylene-d12	23.38	264	178332	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3651	5.56	ng/uL	0.00
5) Phenol-d5	6.75	99	18602	7.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	44464	30.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	54410	26.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	37406	17.00	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	37327	922.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	41034	871.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	78920	823.33	ng/ul	0.02
29) 4-Chloroaniline-d4	10.43	131	19007	163.03	ng/ul	-0.06
43) Dimethylphthalate-d6	13.66	166	311000	32.17	ng/ul	0.03
46) Acenaphthylene-d8	13.90	160	336023	32.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	31951	22.31	ng/ul	-0.02
57) Fluorene-d10	15.22	176	283532	35.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	33469	15.01	ng/ul	0.02
70) Anthracene-d10	17.08	188	783731	51.21	ng/ul	0.00
78) Pyrene-d10	19.39	212	534805	53.06	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.24	264	376045	38.38	ng/ul	0.01

Target Compounds

					Ovalue	
4) Benzaldehyde	6.69	77	8091	5.538	ng/ul#	1
6) Phenol	6.77	94	10674	3.927	ng/ul#	77
8) Bis(2-Chloroethyl)ether	6.92	93	2611	1.320	ng/ul#	50
10) 2-Chlorophenol	7.12	128	13583	6.385	ng/ul	96
11) 2-Methylphenol	8.00	108	225814	105.503	ng/ul	94
14) Acetophenone	8.42	105	11877	3.123	ng/ul#	95
16) 4-Methylphenol	8.33	108	74960	31.854	ng/ul	95
20) Nitrobenzene	8.70	77	7487	62.842	ng/ul#	10
21) Isophorone	9.39	82	477	2.197	ng/ul#	66
24) 2,4-Dimethylphenol	9.55	107	1057462	8718.204	ng/ul	97
25) Bis(2-Chloroethoxy)methane	9.73	93	1339	11.422	ng/ul#	1
27) 2,4-Dichlorophenol	10.05	162	38971	401.257	ng/ul#	90
28) Naphthalene	10.25	128	496866	1659.313	ng/ul#	79
30) 4-Chloroaniline	10.46	127	9344963	77009.389	ng/ul#	12
32) Caprolactam	11.19	113	428	14.199	ng/ul#	1
33) 4-Chloro-3-methylphenol	11.54	107	9461	88.236	ng/ul#	24
34) 2-Methylnaphthalene	12.01	142	1883042	8161.848	ng/ul	95
38) 2,4,6-Trichlorophenol	12.63	196	3392	1.330	ng/ul#	92
40) 1,1'-Biphenyl	13.03	154	1035512	115.908	ng/ul	98
41) 2-Chloronaphthalene	13.03	162	8006	1.150	ng/ul#	1
47) Acenaphthylene	13.93	152	44771	4.146	ng/ul#	72
49) Acenaphthene	14.31	153	11809282	1540.453	ng/ul	97
53) Dibenzofuran	14.52	168	64024	5.607	ng/ul	99

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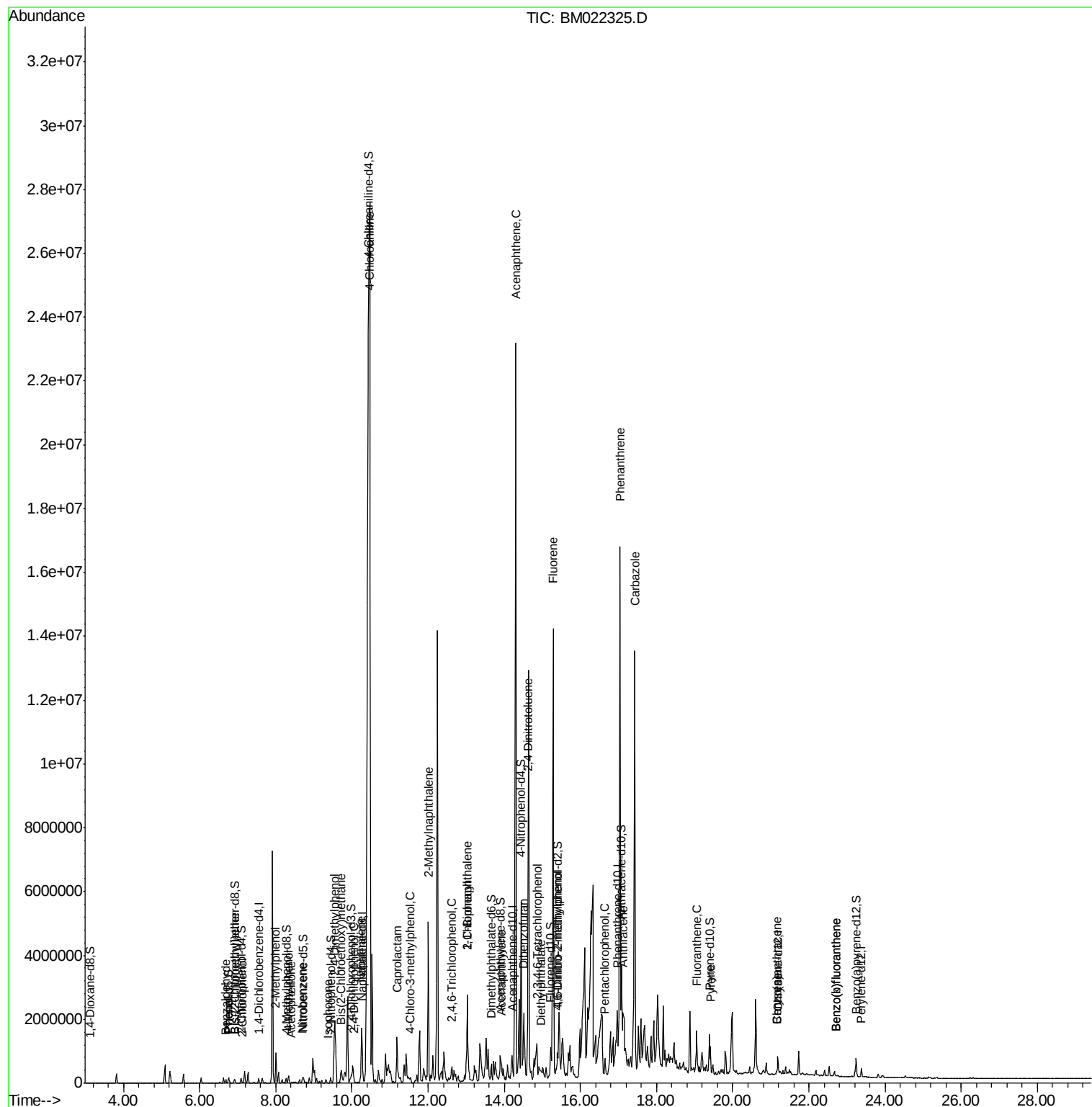
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 2,4-Dinitrotoluene	14.62	165	4986	1.708	ng/ul#	1
55) 2,3,4,6-Tetrachlorophenol	14.86	232	15457	5.467	ng/ul#	71
56) Diethylphthalate	14.96	149	14147	1.341	ng/ul	95
58) Fluorene	15.29	166	5886719	612.118	ng/ul	99
63) 4,6-Dinitro-2-methylphenol	15.41	198	3305	1.381	ng/ul#	1
68) Pentachlorophenol	16.64	266	70626	25.361	ng/ul	96
69) Phenanthrene	17.04	178	9026699	522.043	ng/ul	97
71) Anthracene	17.12	178	450232	25.022	ng/ul	98
74) Carbazole	17.43	167	7704594	474.069	ng/ul	97
76) Fluoranthene	19.06	202	624547	23.969	ng/ul#	97
79) Pyrene	19.42	202	345238	27.505	ng/ul	97
82) Benzo(a)anthracene	21.17	228	26479	1.814	ng/ul#	88
84) Chrysene	21.17	228	26543	1.945	ng/ul	92
87) Benzo(b)fluoranthene	22.73	252	13464	1.085	ng/ul#	84
88) Benzo(k)fluoranthene	22.73	252	13464	1.119	ng/ul#	87

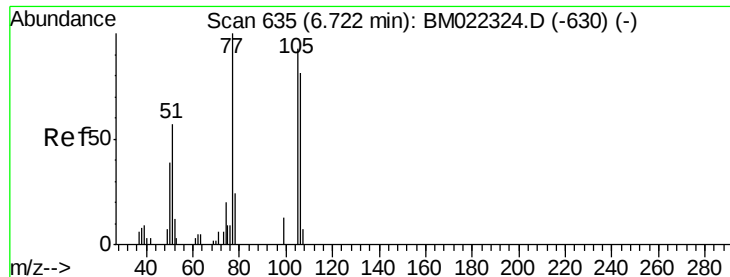
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 5.538 ng/ul

RT: 6.69 min Scan# 629

Delta R.T. -0.04 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

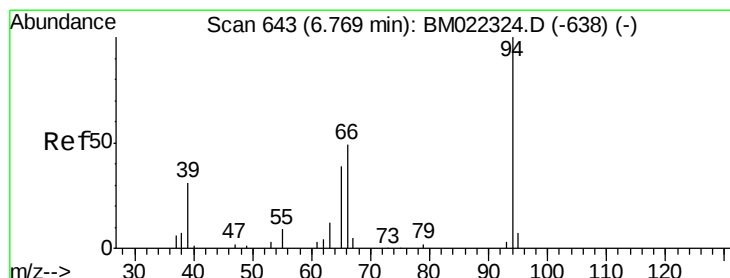
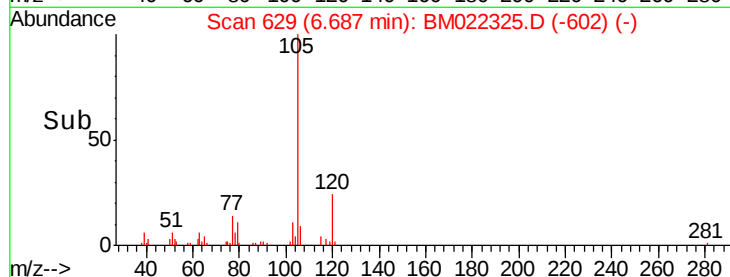
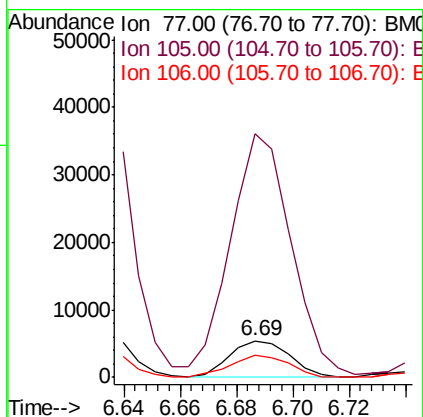
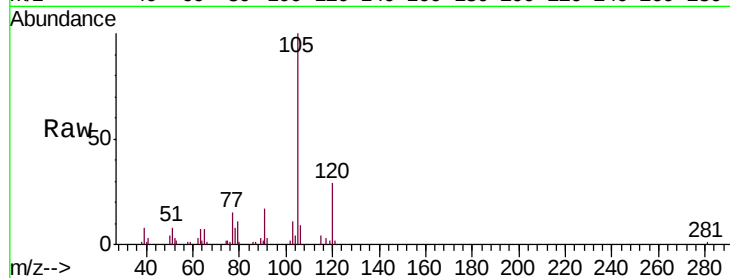
Tot Ion: 77 Resp: 8091

Ion Ratio Lower Upper

77 100

105 665.9 71.7 107.5#

106 59.2 71.7 107.5#



#6

Phenol

Concen: 3.927 ng/ul

RT: 6.77 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

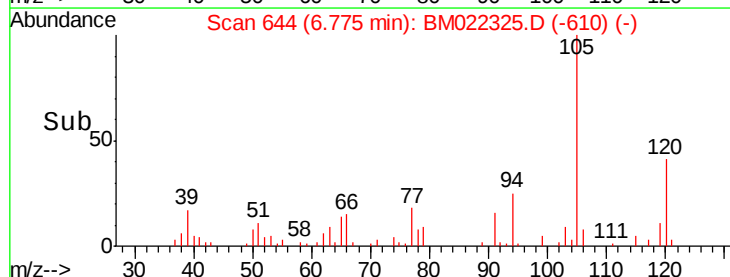
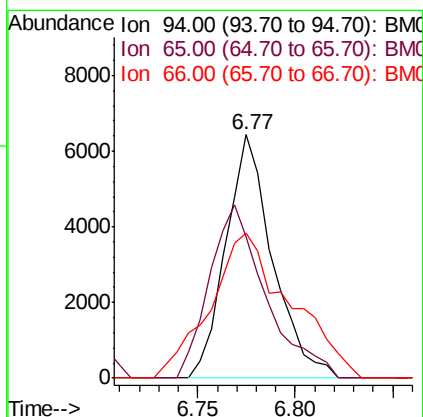
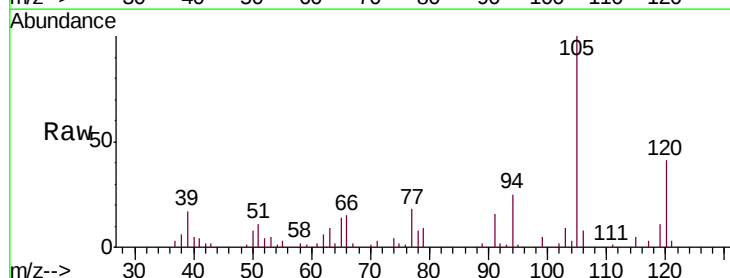
Tgt Ion: 94 Resp: 10674

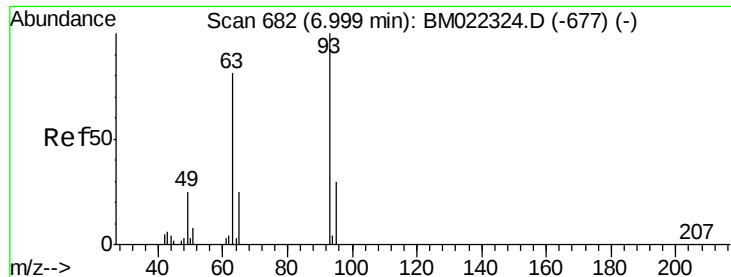
Ion Ratio Lower Upper

94 100

65 58.0 29.2 43.8#

66 59.8 40.6 60.8





#8

Bis(2-Chloroethyl)ether

Concen: 1.320 ng/ul

RT: 6.92 min Scan# 668

Delta R.T. -0.09 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

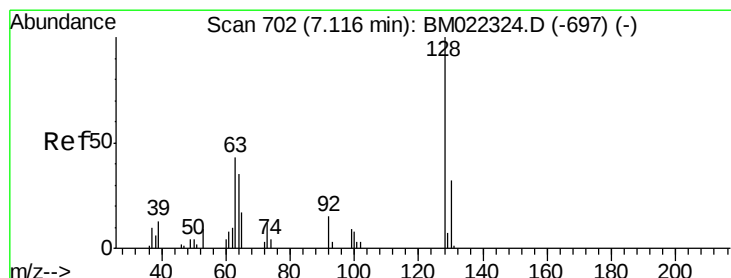
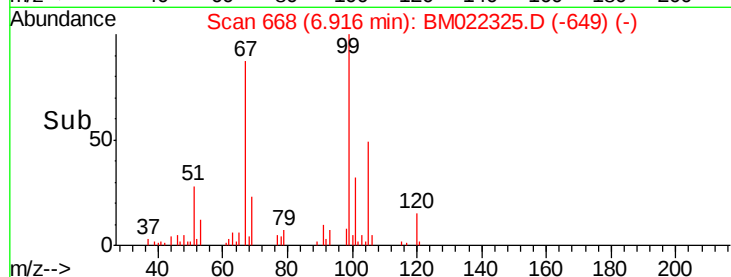
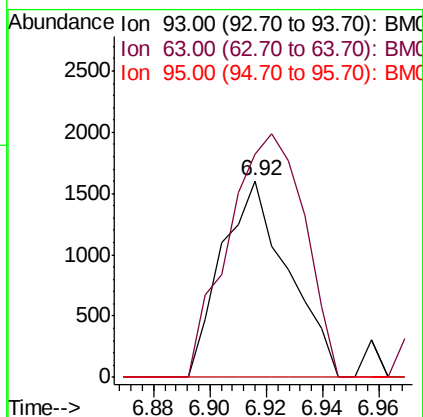
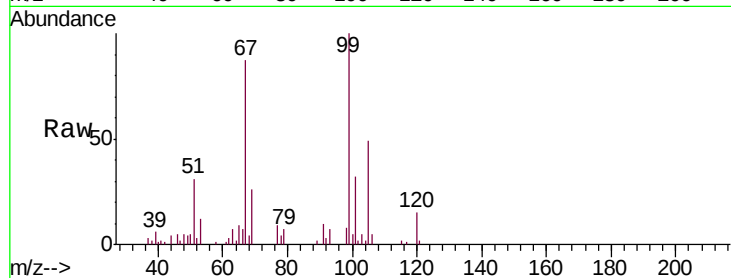
Tot Ion: 93 Resp: 2611

Ion Ratio Lower Upper

93 100

63 113.3 58.9 88.3#

95 0.0 25.8 38.6#



#10

2-Chlorophenol

Concen: 6.385 ng/ul

RT: 7.12 min Scan# 702

Delta R.T. -0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

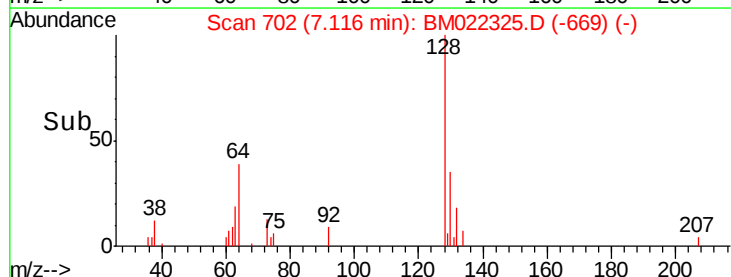
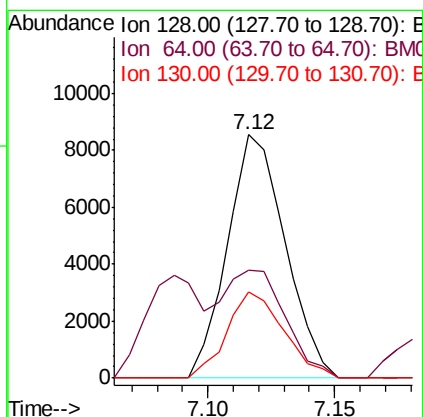
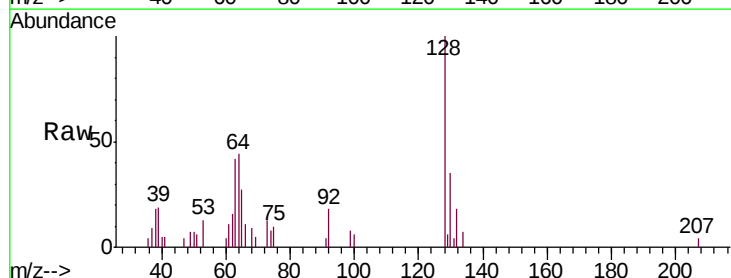
Tgt Ion: 128 Resp: 13583

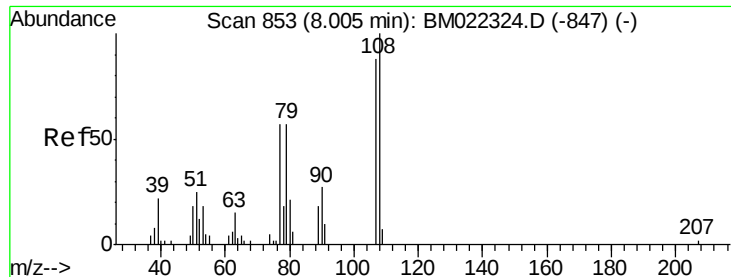
Ion Ratio Lower Upper

128 100

64 44.3 38.6 57.8

130 35.3 27.0 40.6





#11

2-Methylphenol

Concen: 105.503 ng/ul

RT: 8.00 min Scan# 853

Delta R.T. -0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

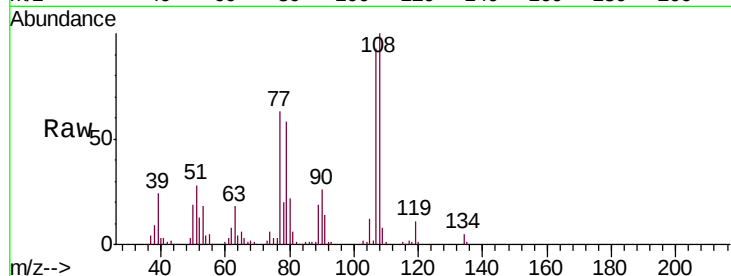
C0AF8

Tot Ion:108 Resp: 225814

Ion Ratio Lower Upper

108 100

107 93.2 70.1 105.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.00

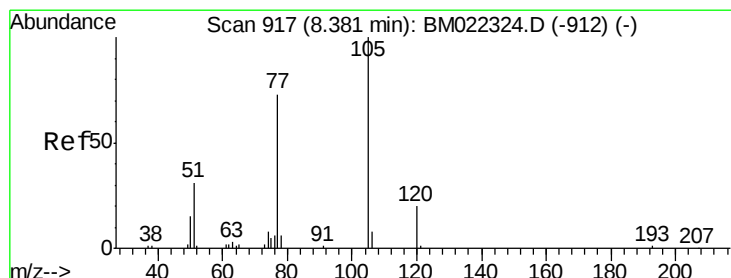
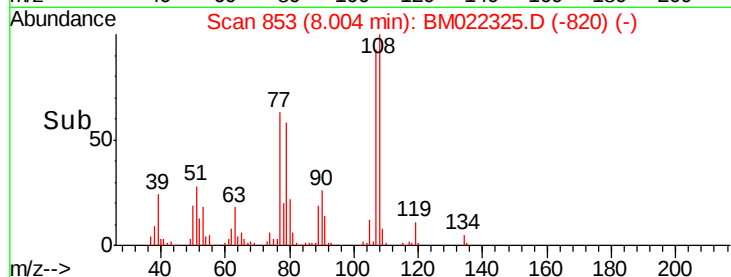
150000

100000

50000

0

Time-->



#14

Acetophenone

Concen: 3.123 ng/ul

RT: 8.42 min Scan# 923

Delta R.T. 0.03 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

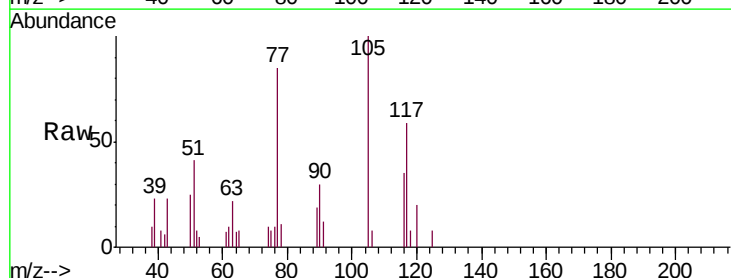
Tgt Ion:105 Resp: 11877

Ion Ratio Lower Upper

105 100

77 85.3 68.4 102.6

51 40.7 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

25000

20000

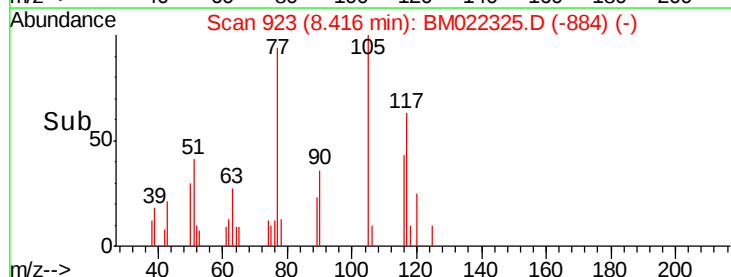
15000

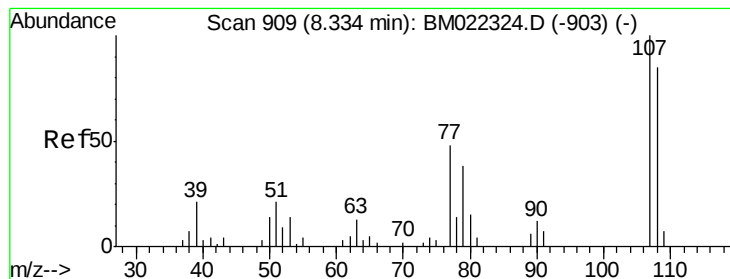
10000

5000

0

Time-->





#16

4-Methylphenol

Concen: 31.854 ng/ul

RT: 8.33 min Scan# 909

Delta R.T. -0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampled :

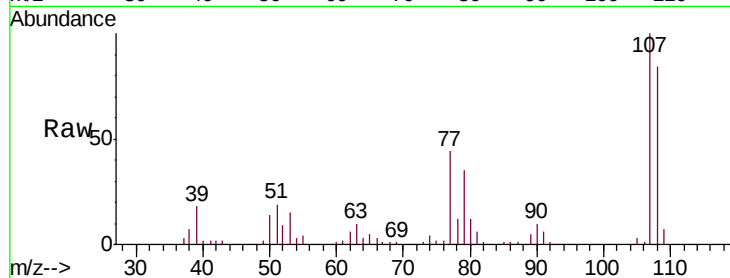
C0AF8

Tot Ion:108 Resp: 74960

Ion Ratio Lower Upper

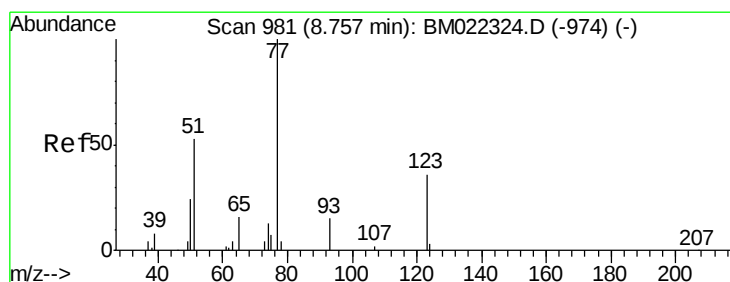
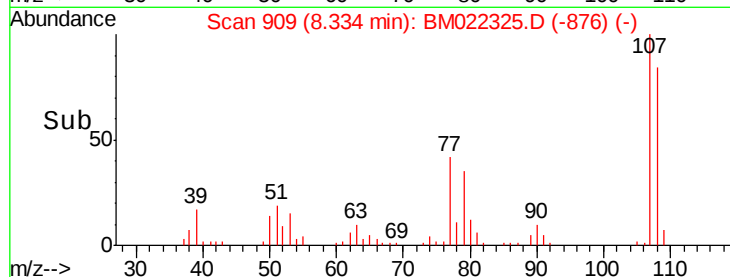
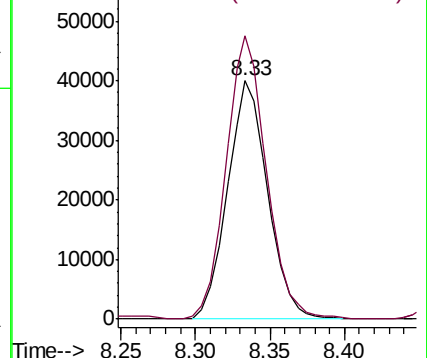
108 100

107 118.7 90.8 136.2



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#20

Nitrobenzene

Concen: 62.842 ng/ul

RT: 8.70 min Scan# 971

Delta R.T. -0.06 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

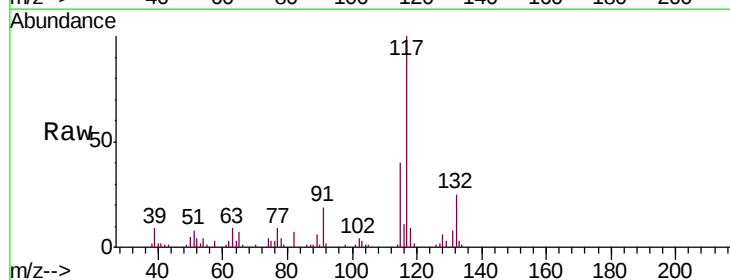
Tgt Ion: 77 Resp: 7487

Ion Ratio Lower Upper

77 100

123 0.0 31.0 46.4#

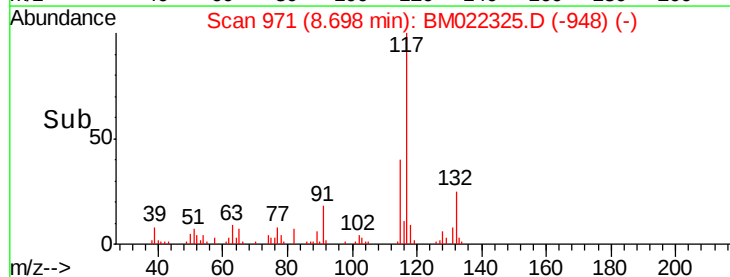
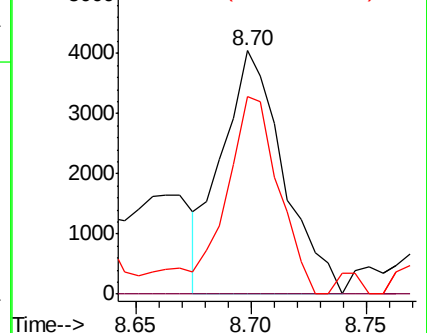
65 81.2 12.2 18.2#

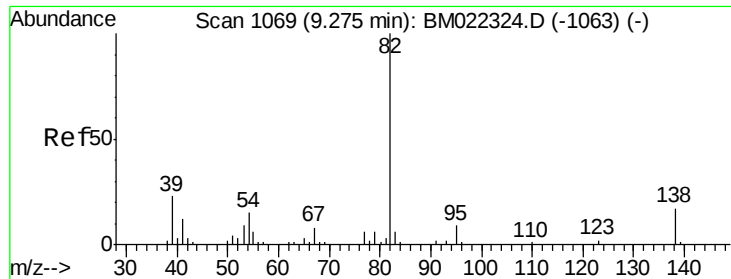


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0

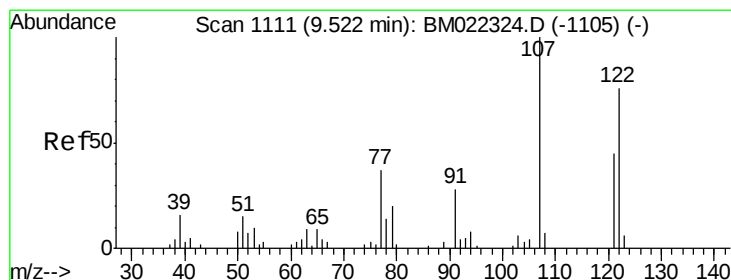
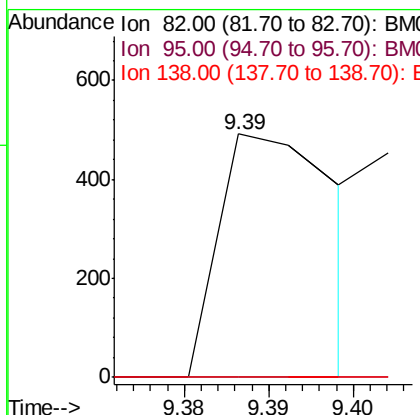
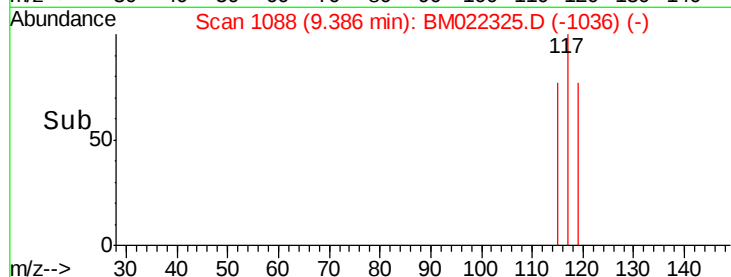
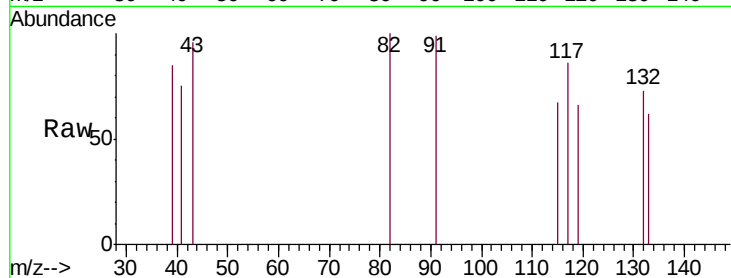




#21
Isophorone
Concen: 2.197 ng/ul
RT: 9.39 min Scan# 1088
Delta R.T. 0.11 min
Lab File: BM022325.D
Acq: 26 Aug 2019 11:39

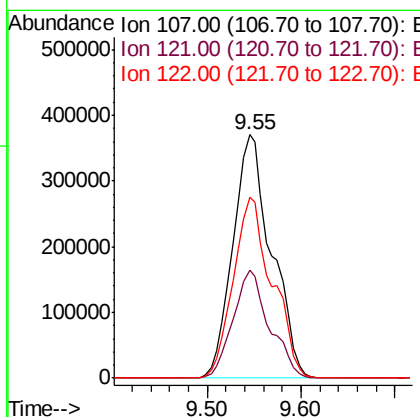
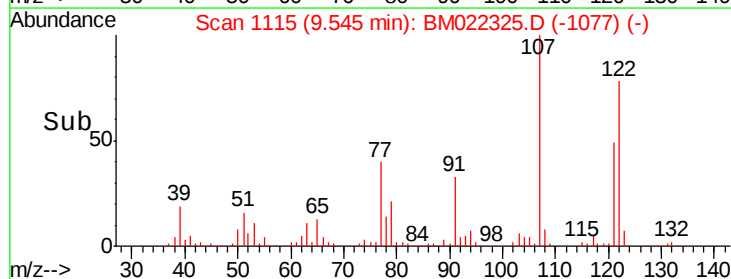
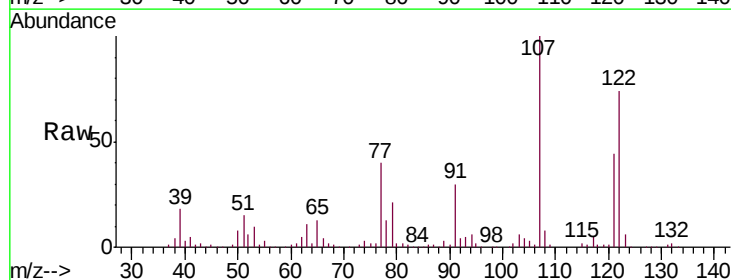
Instrument :
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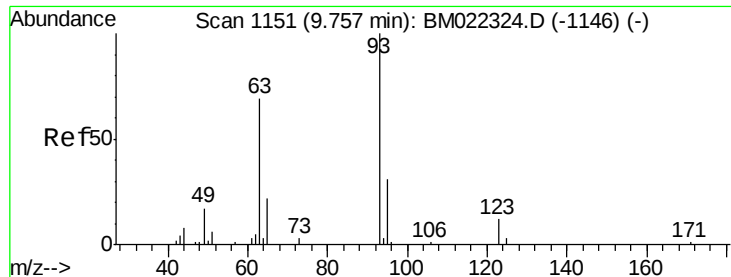
Tot Ion: 82 Resp: 477
Ion Ratio Lower Upper
82 100
95 0.0 7.2 10.8#
138 0.0 13.8 20.6#



#24
2,4-Dimethylphenol
Concen: 8718.204 ng/ul
RT: 9.55 min Scan# 1115
Delta R.T. 0.02 min
Lab File: BM022325.D
Acq: 26 Aug 2019 11:39

Tgt Ion:107 Resp: 1057462
Ion Ratio Lower Upper
107 100
121 44.1 33.6 50.4
122 74.3 58.0 87.0

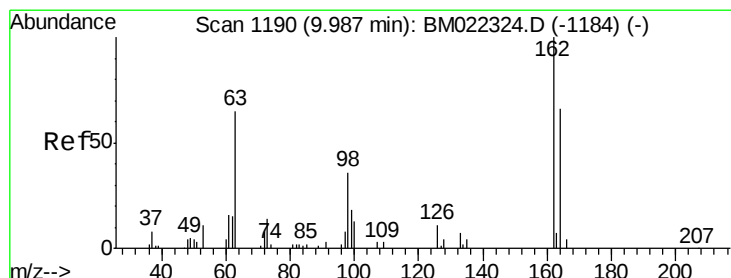
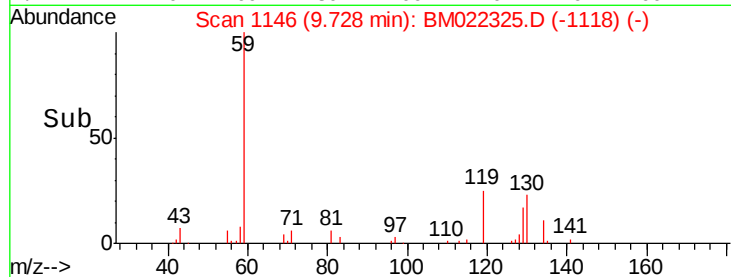
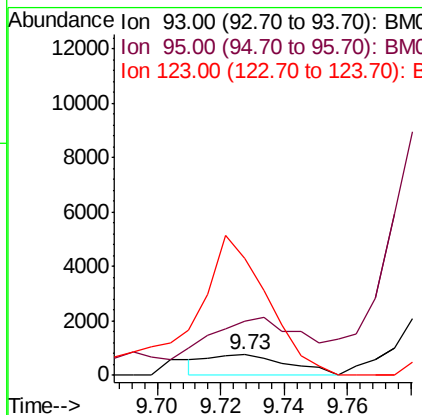
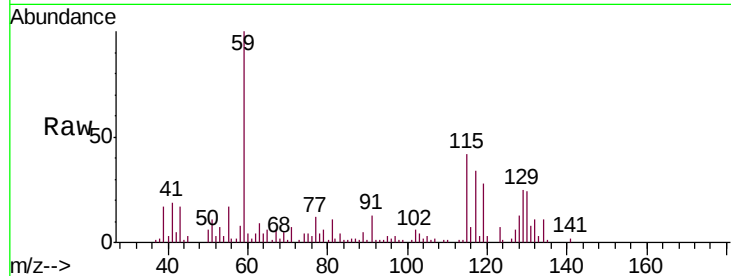




#25
 Bis(2-Chloroethoxy)methane
 Concen: 11.422 ng/ul
 RT: 9.73 min Scan# 1146
 Delta R.T. -0.04 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

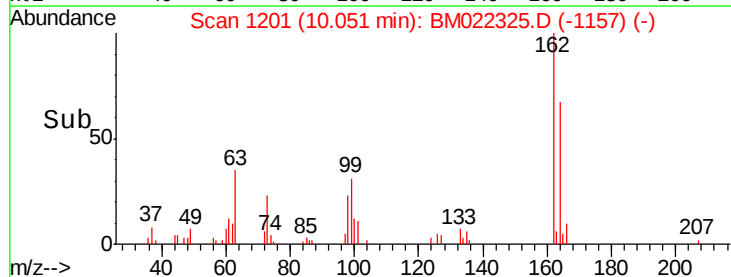
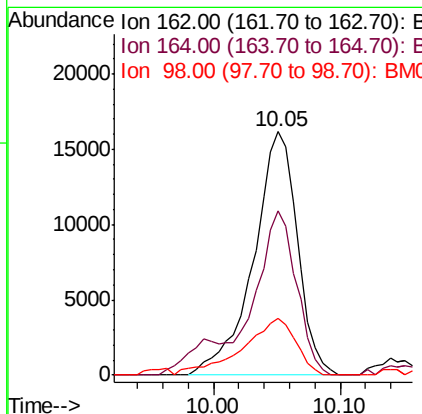
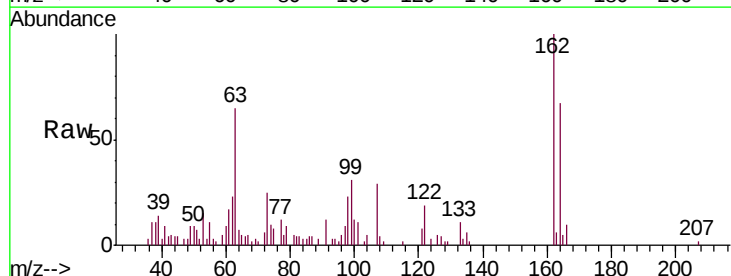
Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

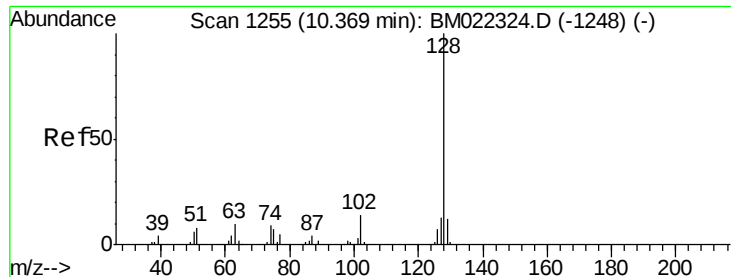
Tot Ion: 93 Resp: 1339
 Ion Ratio Lower Upper
 93 100
 95 266.2 26.5 39.7#
 123 579.5 8.4 12.6#



#27
 2,4-Dichlorophenol
 Concen: 401.257 ng/ul
 RT: 10.05 min Scan# 1201
 Delta R.T. 0.06 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Tgt Ion:162 Resp: 38971
 Ion Ratio Lower Upper
 162 100
 164 67.3 52.1 78.1
 98 23.1 29.2 43.8#





#28

Naphthalene

Concen: 1659.313 ng/ul

RT: 10.25 min Scan# 1235

Delta R.T. -0.12 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

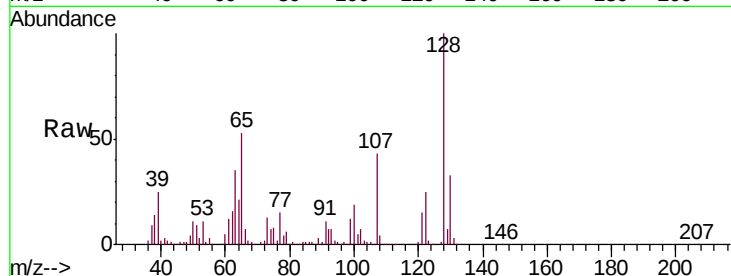
Tot Ion:128 Resp: 496866

Ion Ratio Lower Upper

128 100

129 7.0 8.6 13.0#

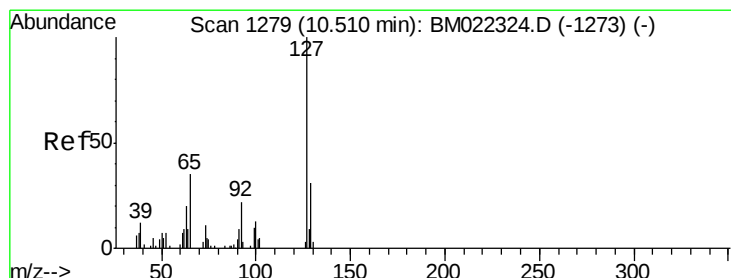
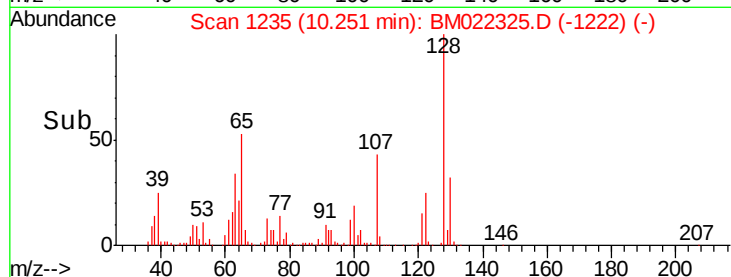
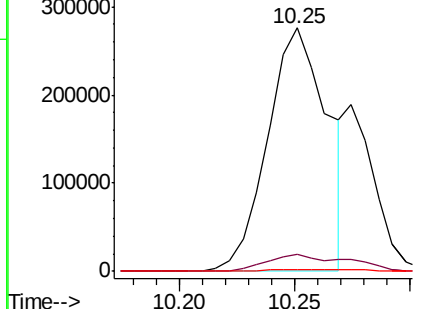
127 0.9 10.4 15.6#



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



#30

4-Chloroaniline

Concen: 77009.389 ng/ul

RT: 10.46 min Scan# 1271

Delta R.T. -0.05 min

Lab File: BM022325.D

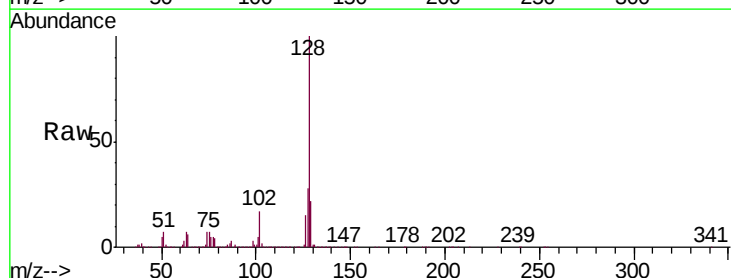
Acq: 26 Aug 2019 11:39

Tgt Ion:127 Resp: 9344963

Ion Ratio Lower Upper

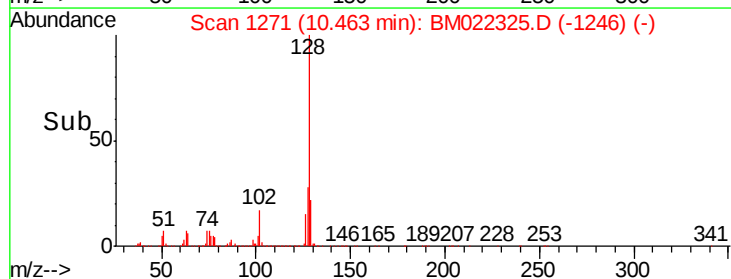
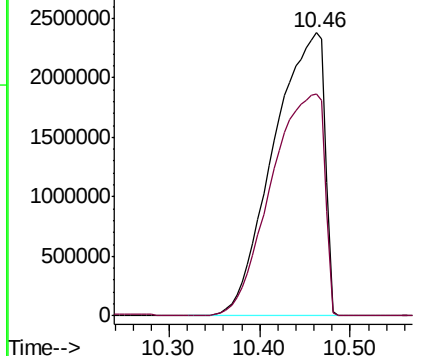
127 100

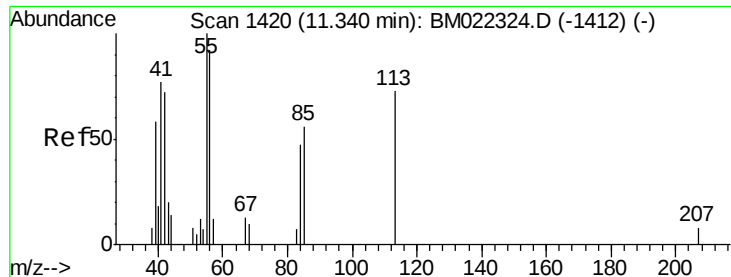
129 78.4 24.2 36.4#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 14.199 ng/ul

RT: 11.19 min Scan# 1394

Delta R.T. -0.15 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

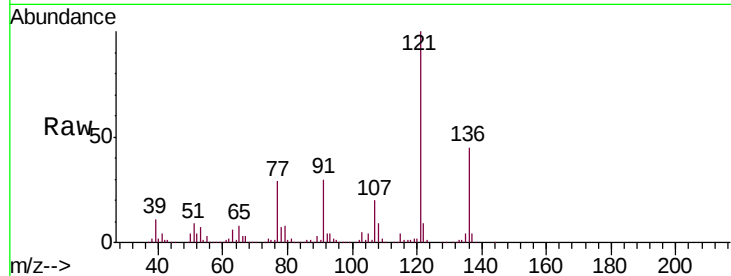
Tot Ion:113 Resp: 428

Ion Ratio Lower Upper

113 100

55 2903.1 111.6 167.4#

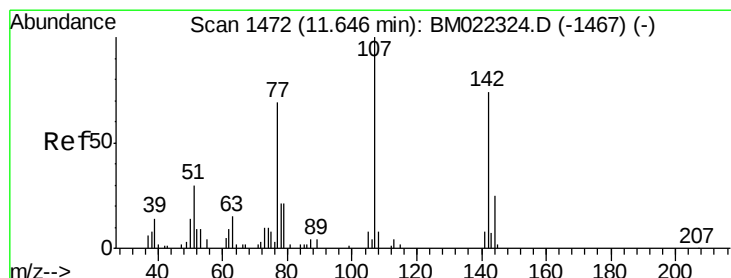
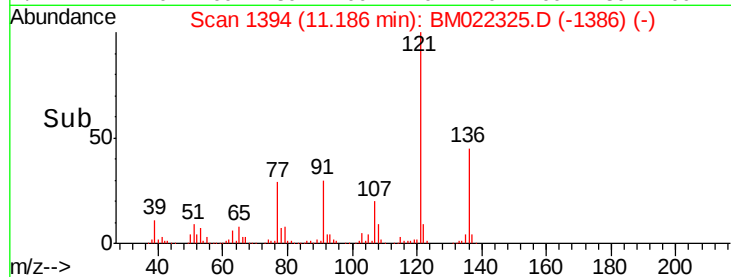
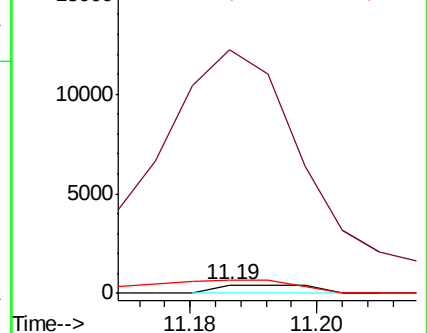
56 161.0 104.6 157.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#33

4-Chloro-3-methylphenol

Concen: 88.236 ng/ul

RT: 11.54 min Scan# 1454

Delta R.T. -0.11 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

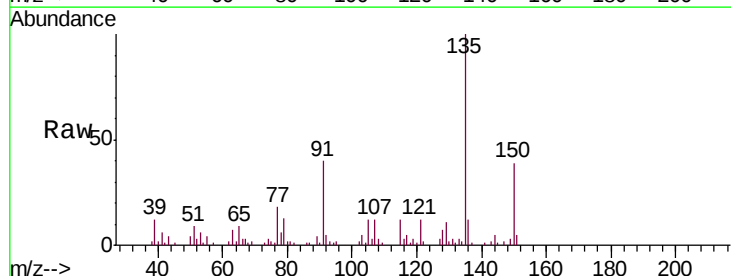
Tgt Ion:107 Resp: 9461

Ion Ratio Lower Upper

107 100

144 41.6 19.8 29.8#

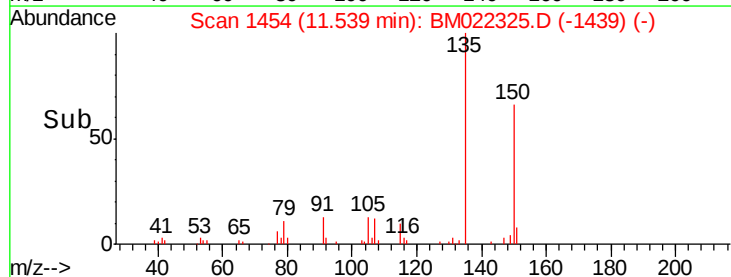
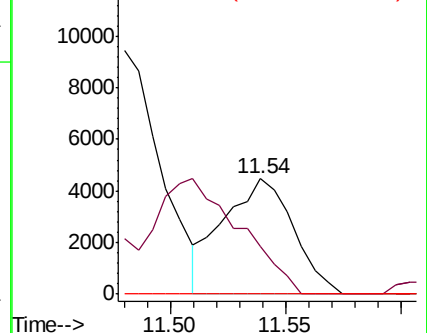
142 0.0 61.5 92.3#

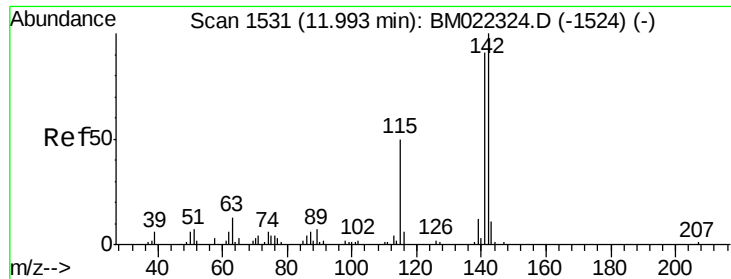


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

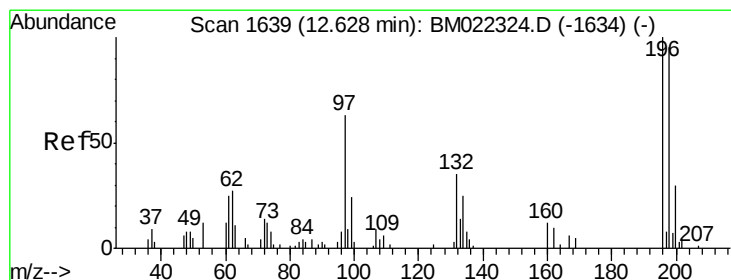
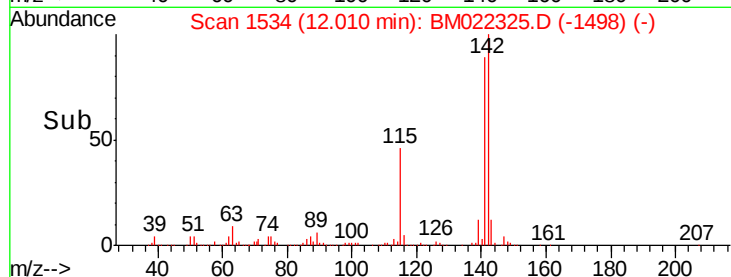
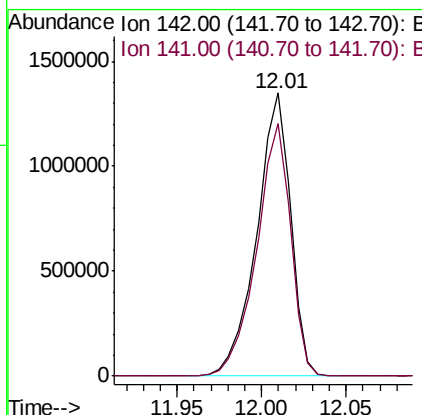
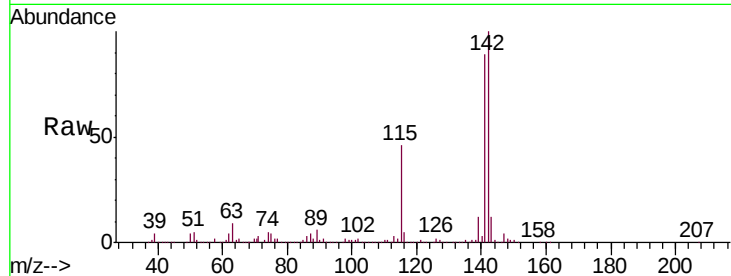




#34
 2-Methylnaphthalene
 Concen: 8161.848 ng/ul
 RT: 12.01 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

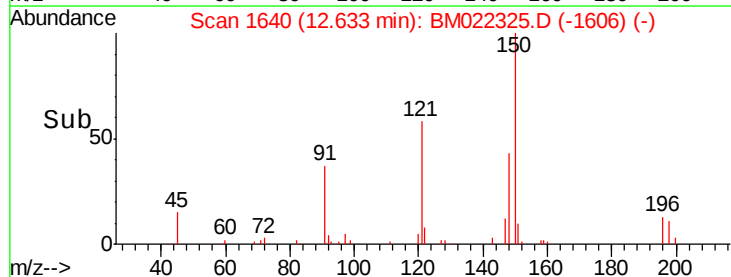
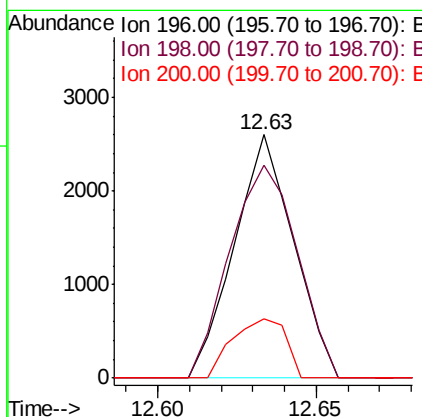
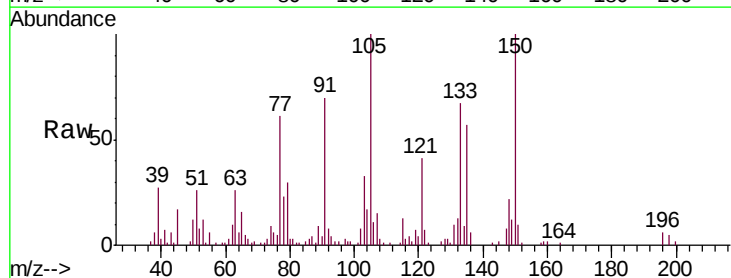
Instrument :
 BNA_M
 ClientSampleID :
 C0AF8

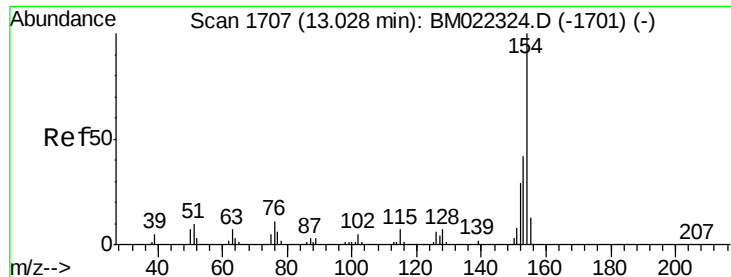
Tot Ion:142 Resp: 1883042
 Ion Ratio Lower Upper
 142 100
 141 89.4 75.1 112.7



#38
 2,4,6-Trichlorophenol
 Concen: 1.330 ng/ul
 RT: 12.63 min Scan# 1640
 Delta R.T. -0.00 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Tgt Ion:196 Resp: 3392
 Ion Ratio Lower Upper
 196 100
 198 87.6 74.6 112.0
 200 24.4 25.8 38.6#

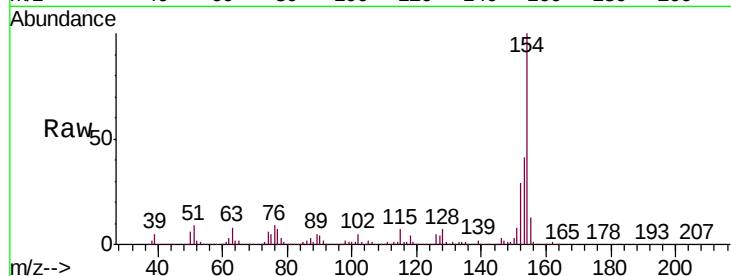




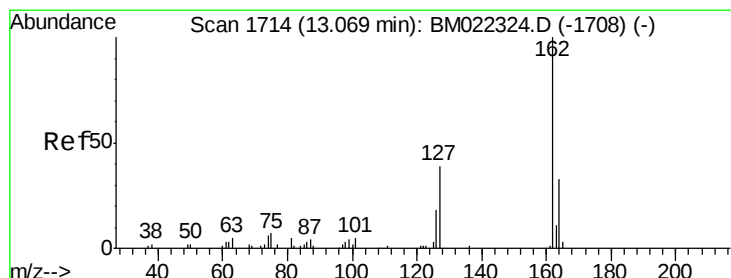
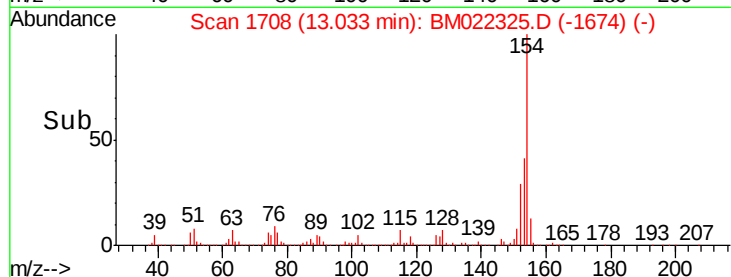
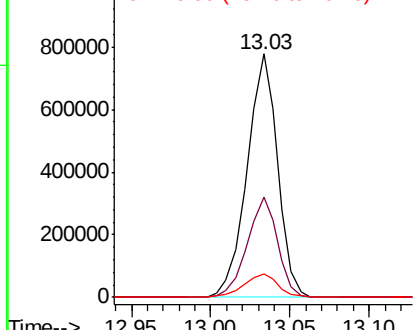
#40
 1,1'-Biphenyl
 Concen: 115.908 ng/ul
 RT: 13.03 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Tot Ion:154 Resp: 1035512
 Ion Ratio Lower Upper
 154 100
 153 41.1 32.5 48.7
 76 9.5 9.2 13.8

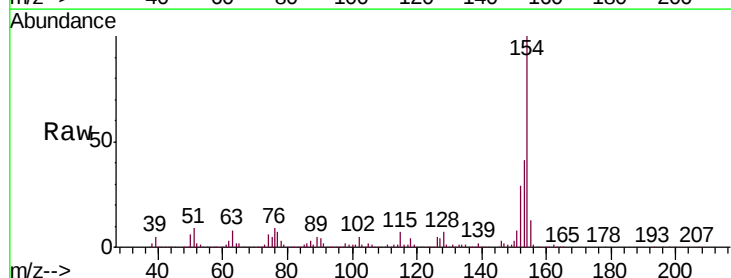


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

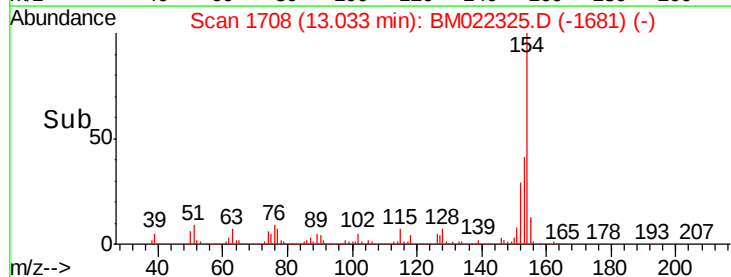
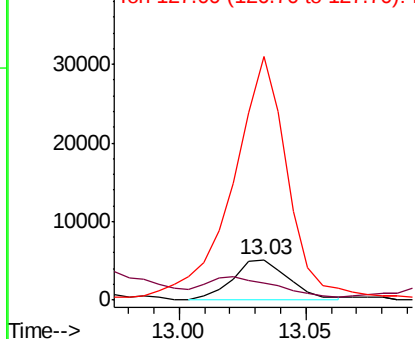


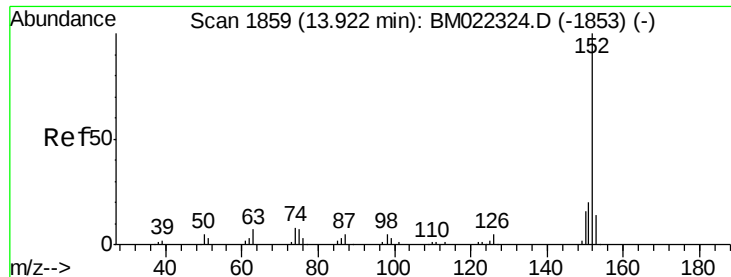
#41
 2-Chloronaphthalene
 Concen: 1.150 ng/ul
 RT: 13.03 min Scan# 1708
 Delta R.T. -0.04 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Tgt Ion:162 Resp: 8006
 Ion Ratio Lower Upper
 162 100
 164 43.6 25.4 38.2#
 127 605.0 32.5 48.7#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 127.00 (126.70 to 127.70): E





#47

Acenaphthylene

Concen: 4.146 ng/ul

RT: 13.93 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

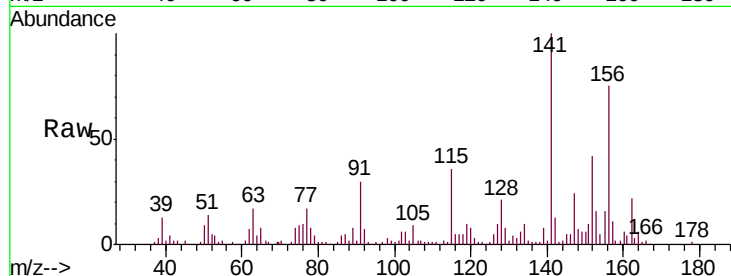
Tot Ion:152 Resp: 44771

Ion Ratio Lower Upper

152 100

151 23.0 16.0 24.0

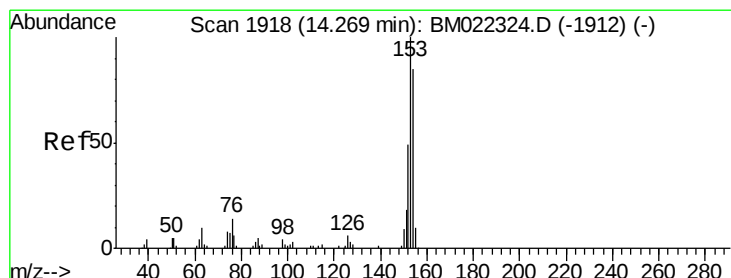
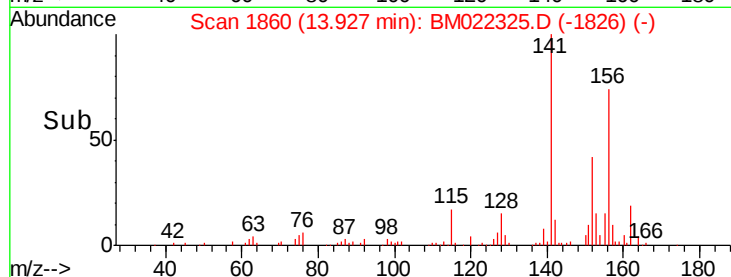
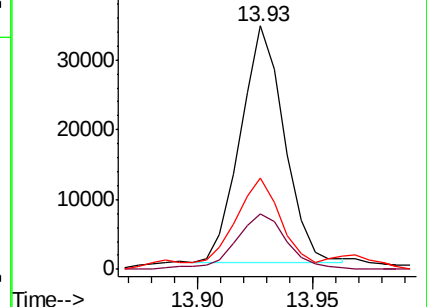
153 37.3 10.4 15.6#



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: 1540.453 ng/ul

RT: 14.31 min Scan# 1925

Delta R.T. 0.04 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

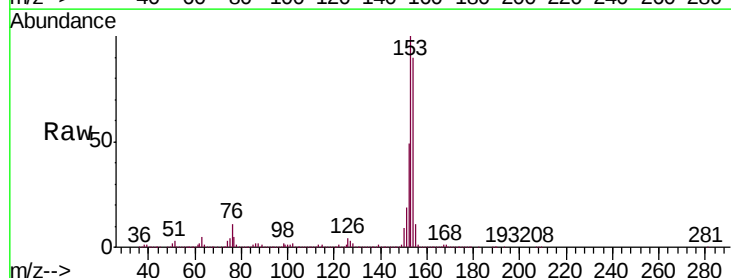
Tgt Ion:153 Resp:11809282

Ion Ratio Lower Upper

153 100

152 49.4 38.6 58.0

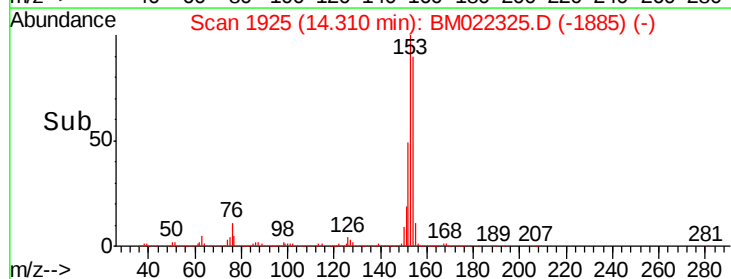
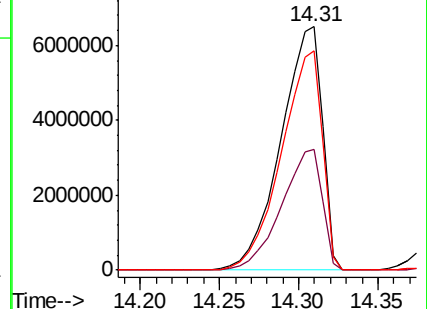
154 89.8 68.9 103.3

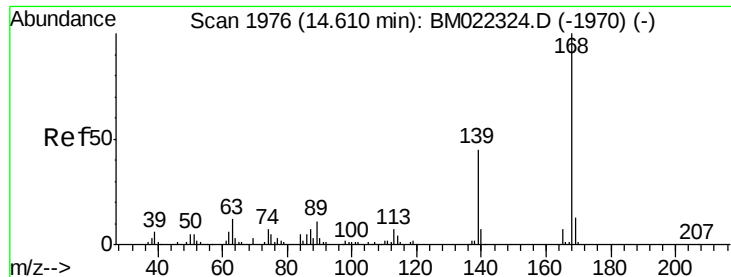


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 5.607 ng/ul

RT: 14.52 min Scan# 1961

Delta R.T. -0.09 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

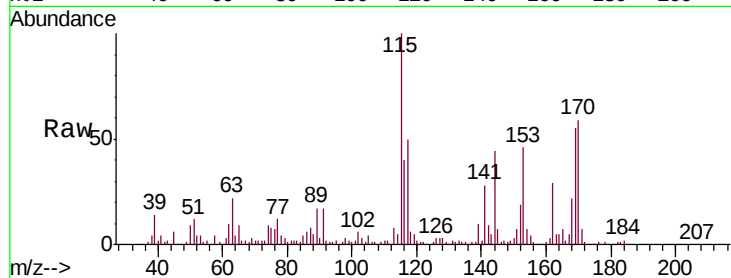
C0AF8

Tot Ion:168 Resp: 64024

Ion Ratio Lower Upper

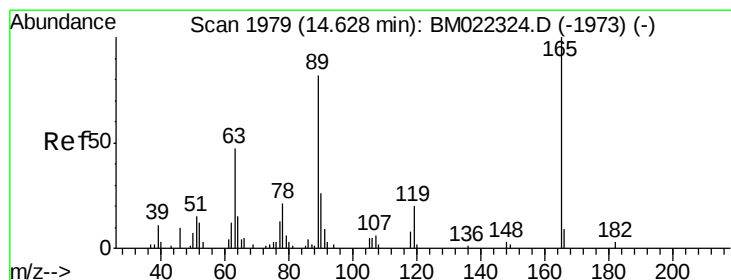
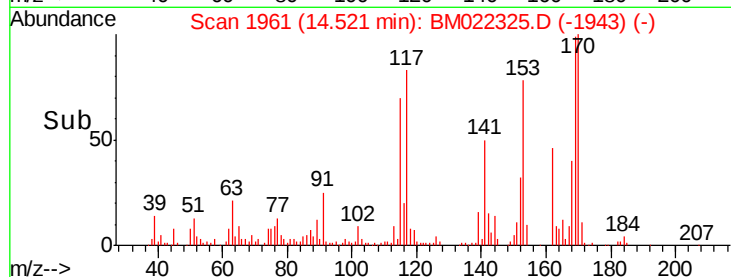
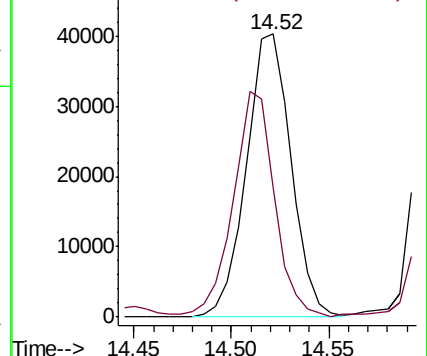
168 100

139 46.0 36.2 54.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 1.708 ng/ul

RT: 14.62 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

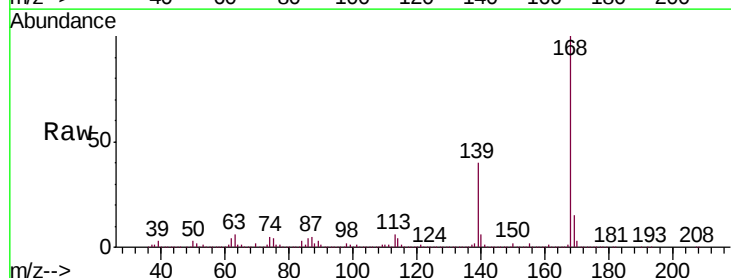
Tgt Ion:165 Resp: 4986

Ion Ratio Lower Upper

165 100

63 4278.7 52.4 78.6#

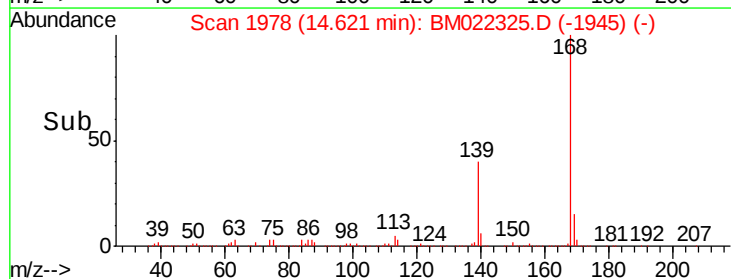
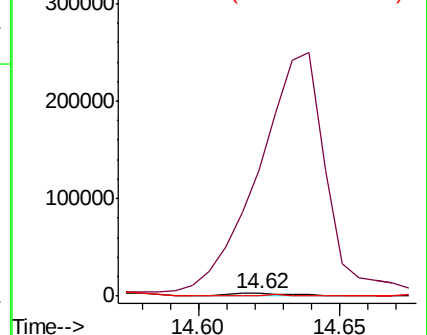
182 25.4 2.2 3.4#

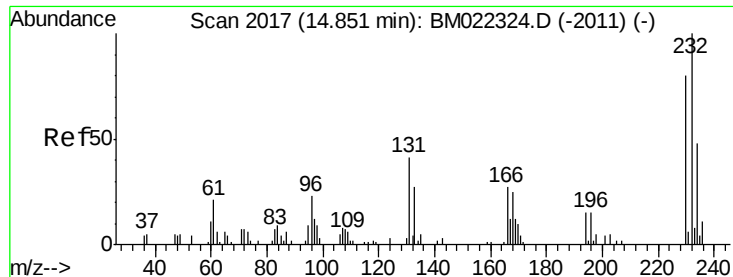


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E

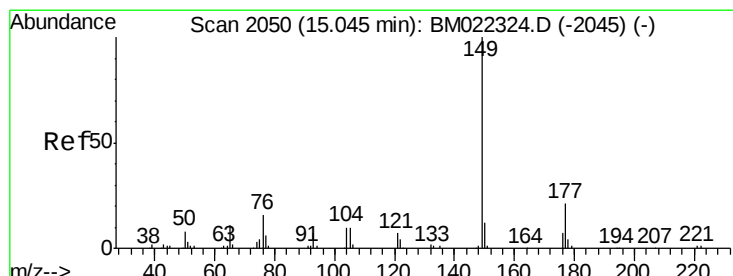
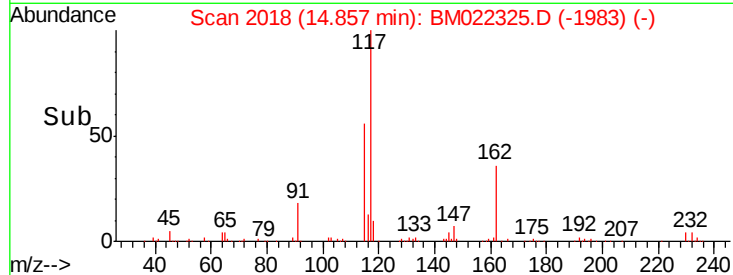
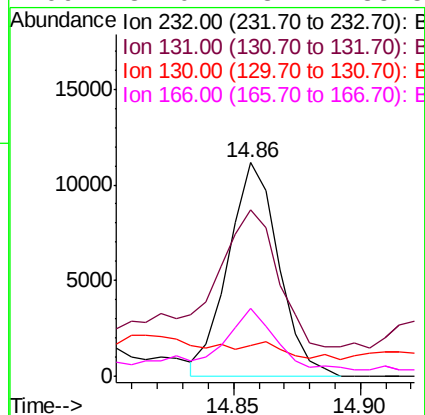
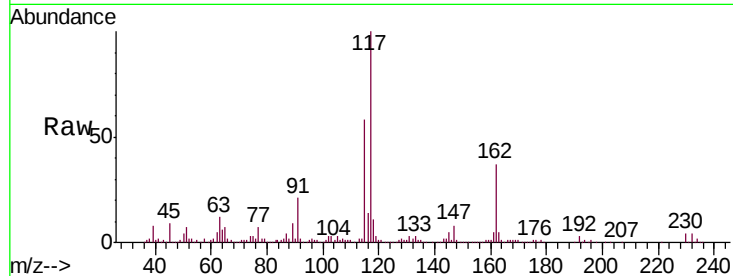




#55
 2,3,4,6-Tetrachlorophenol
 Concen: 5.467 ng/ul
 RT: 14.86 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

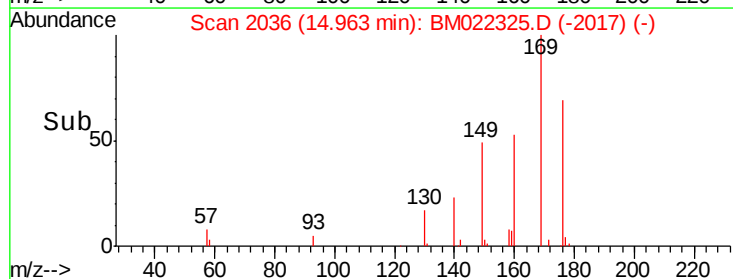
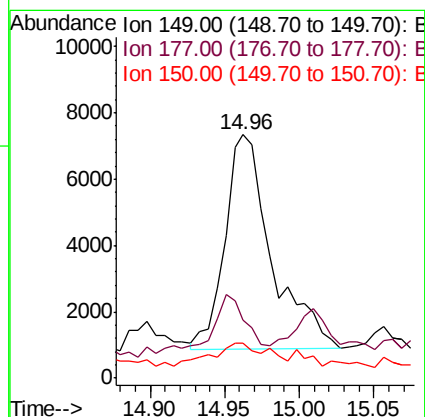
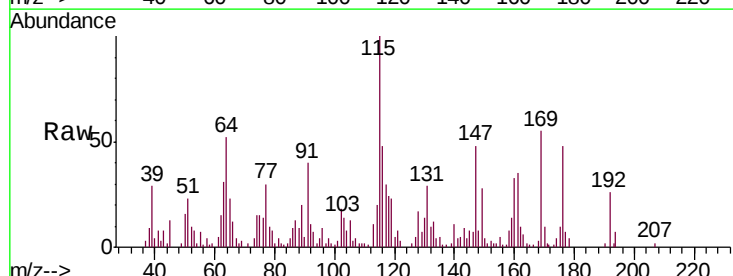
Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

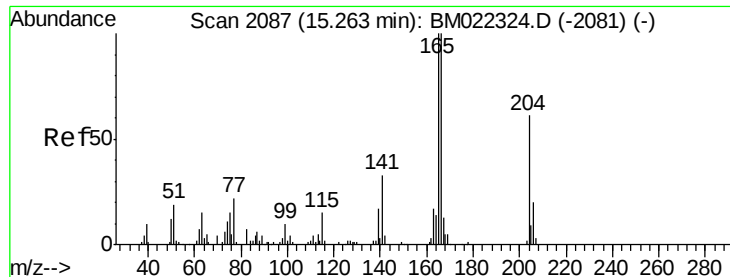
Tot Ion:232 Resp: 15457
 Ion Ratio Lower Upper
 232 100
 131 77.9 38.4 57.6#
 130 14.3 2.6 3.8#
 166 32.0 23.7 35.5



#56
 Diethylphthalate
 Concen: 1.341 ng/ul
 RT: 14.96 min Scan# 2036
 Delta R.T. -0.09 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Tgt Ion:149 Resp: 14147
 Ion Ratio Lower Upper
 149 100
 177 23.7 16.7 25.1
 150 14.4 10.8 16.2





#58

Fluorene

Concen: 612.118 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.02 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

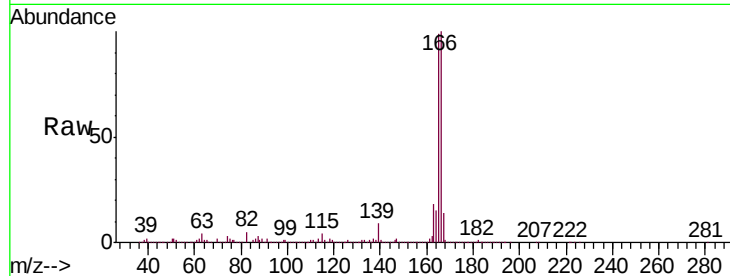
Tot Ion:166 Resp: 5886719

Ion Ratio Lower Upper

166 100

165 98.7 80.2 120.2

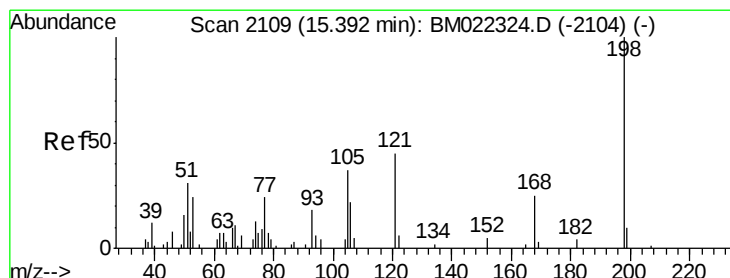
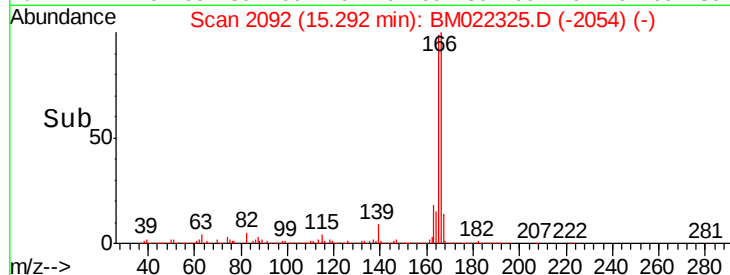
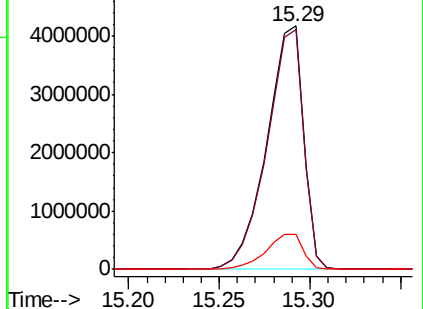
167 14.2 11.4 17.0



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



#63

4,6-Dinitro-2-methylphenol

Concen: 1.381 ng/ul

RT: 15.41 min Scan# 2112

Delta R.T. 0.02 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

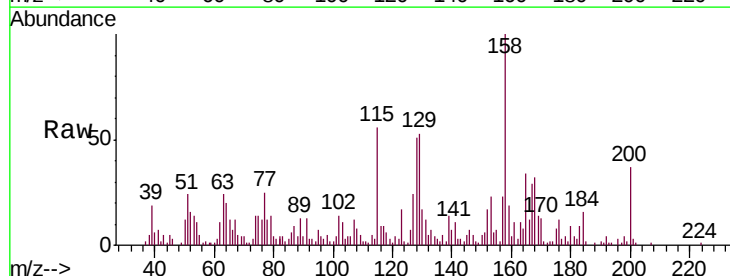
Tgt Ion:198 Resp: 3305

Ion Ratio Lower Upper

198 100

182 80.3 3.8 5.8#

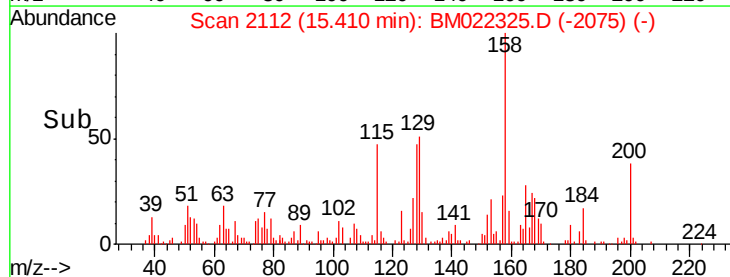
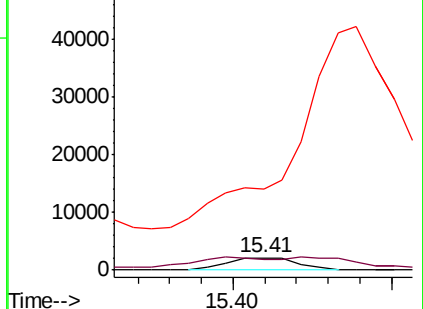
77 651.3 25.3 37.9#

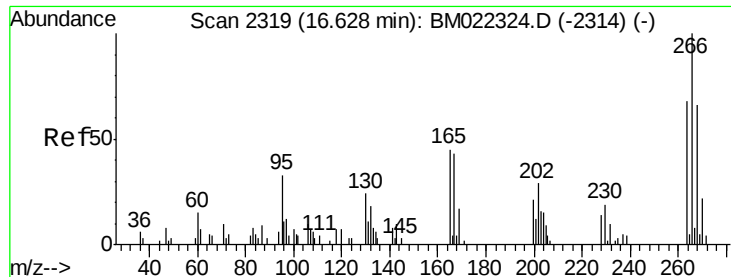


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): E

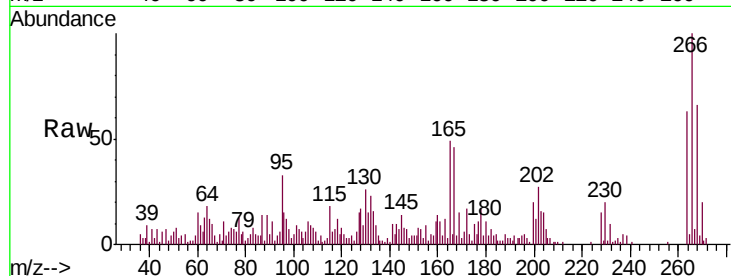




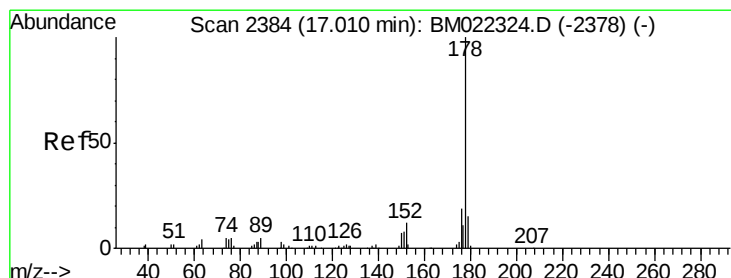
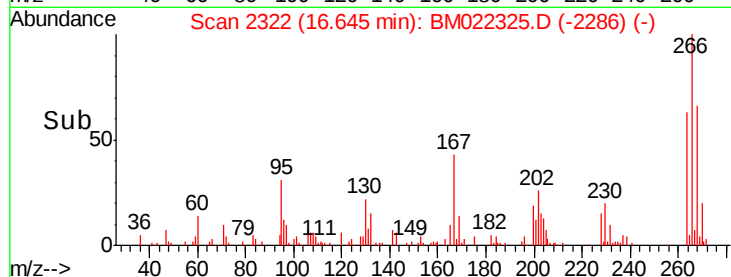
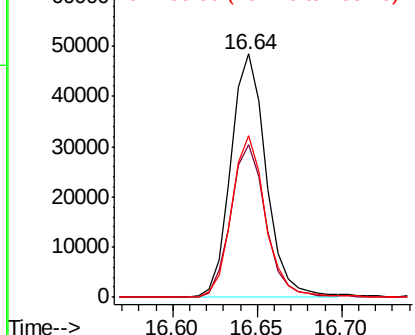
#68
 Pentachlorophenol
 Concen: 25.361 ng/ul
 RT: 16.64 min Scan# 2322
 Delta R.T. 0.01 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

Tot Ion:266 Resp: 70626
 Ion Ratio Lower Upper
 266 100
 264 62.9 51.3 76.9
 268 66.2 49.4 74.2

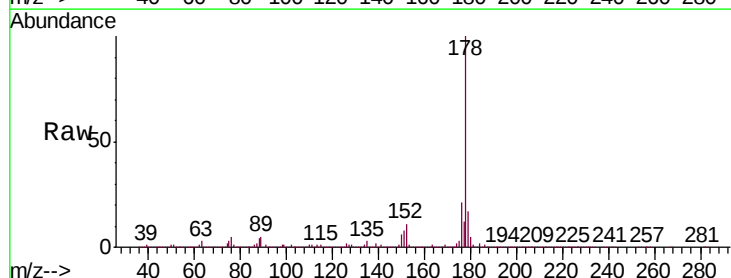


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

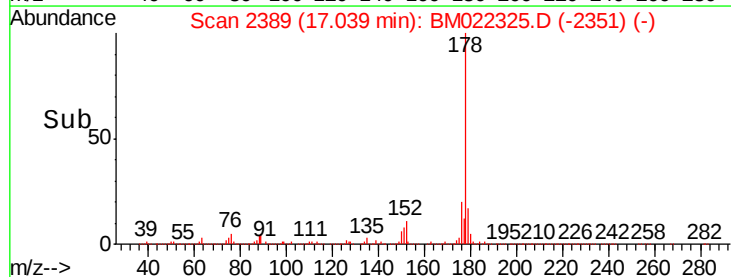
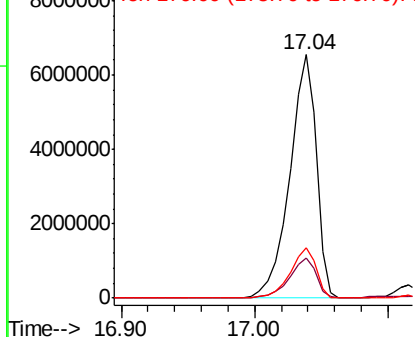


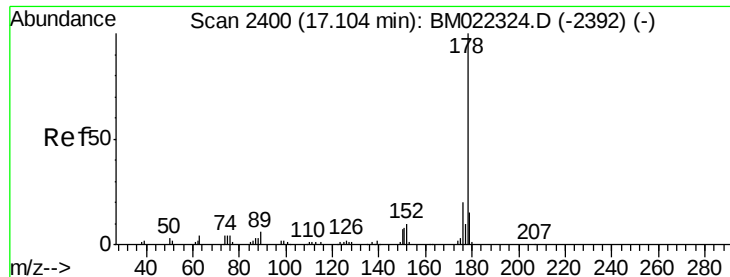
#69
 Phenanthrene
 Concen: 522.043 ng/ul
 RT: 17.04 min Scan# 2389
 Delta R.T. 0.02 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Tgt Ion:178 Resp: 9026699
 Ion Ratio Lower Upper
 178 100
 179 16.6 12.4 18.6
 176 20.5 15.4 23.0



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

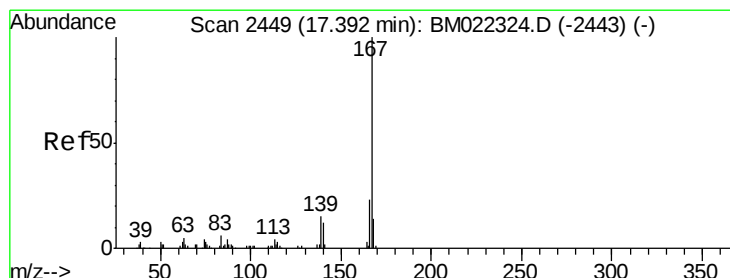
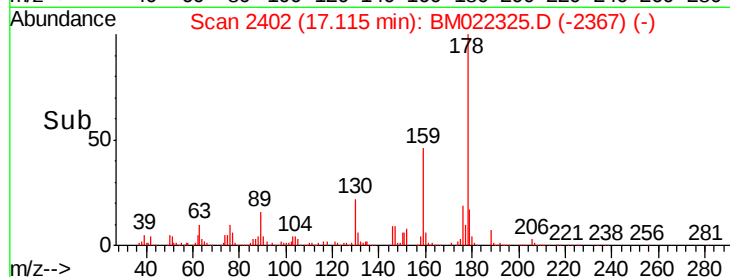
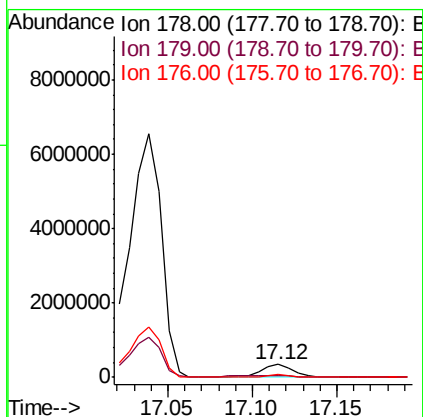
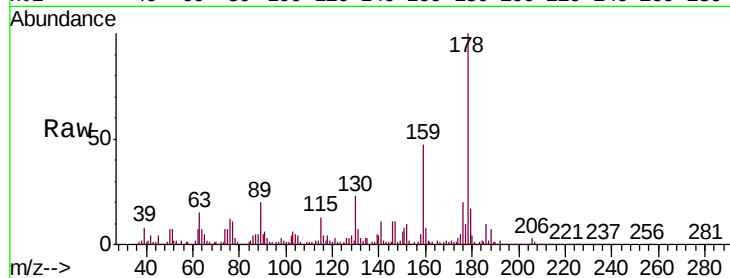




#71
 Anthracene
 Concen: 25.022 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.01 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

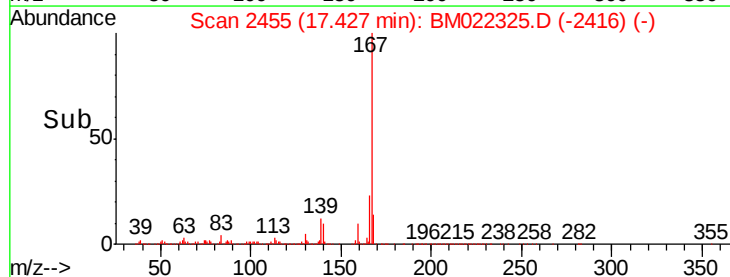
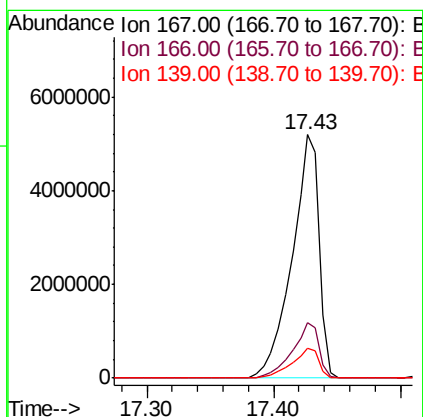
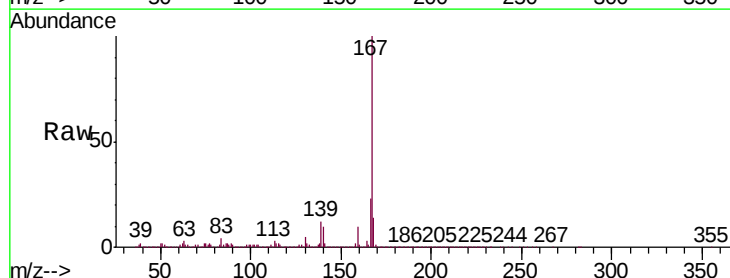
Instrument :
 BNA_M
 ClientSampleId :
 C0AF8

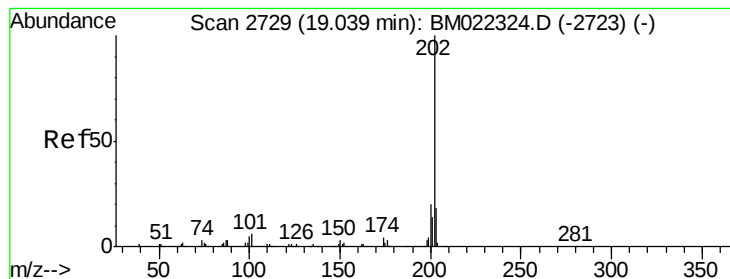
Tot Ion:178 Resp: 450232
 Ion Ratio Lower Upper
 178 100
 179 16.9 12.3 18.5
 176 19.6 15.5 23.3



#74
 Carbazole
 Concen: 474.069 ng/ul
 RT: 17.43 min Scan# 2455
 Delta R.T. 0.03 min
 Lab File: BM022325.D
 Acq: 26 Aug 2019 11:39

Tgt Ion:167 Resp: 7704594
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.8 26.8
 139 12.3 11.8 17.8





#76

Fluoranthene

Concen: 23.969 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

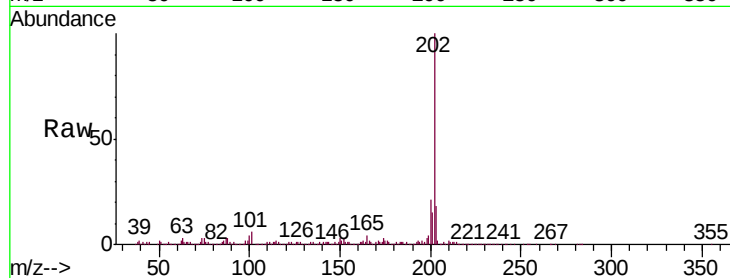
Tot Ion:202 Resp: 624547

Ion Ratio Lower Upper

202 100

101 5.8 5.3 7.9

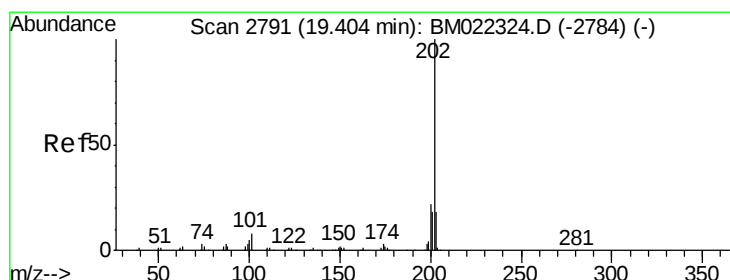
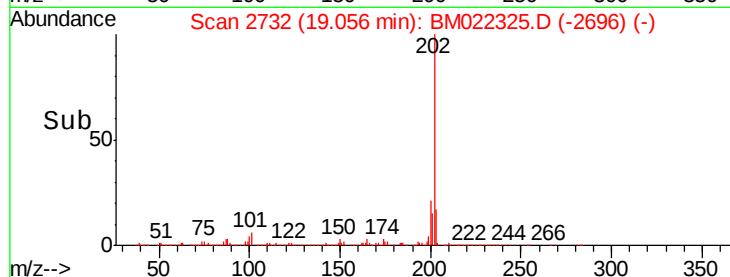
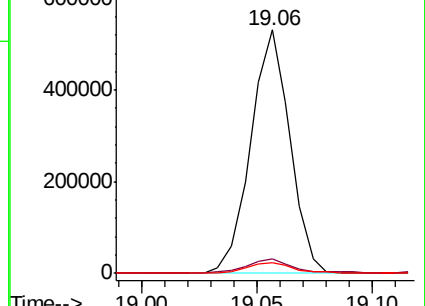
100 4.4 4.6 6.8#



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



#79

Pyrene

Concen: 27.505 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

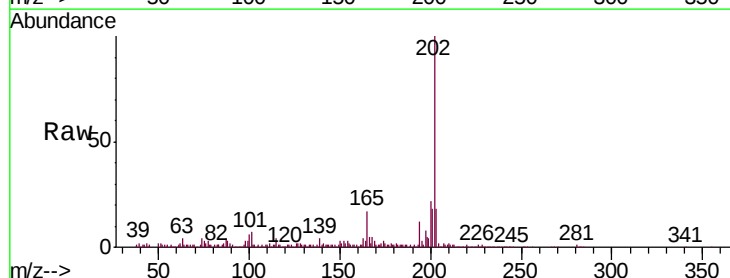
Tgt Ion:202 Resp: 345238

Ion Ratio Lower Upper

202 100

101 7.4 7.0 10.4

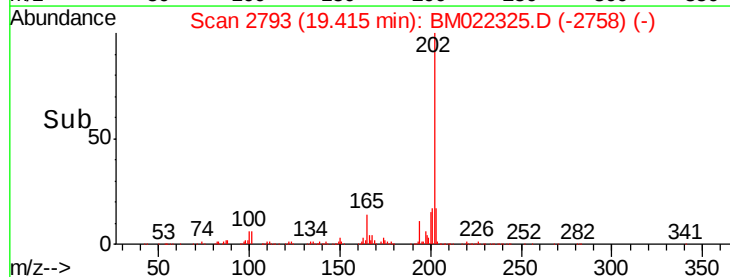
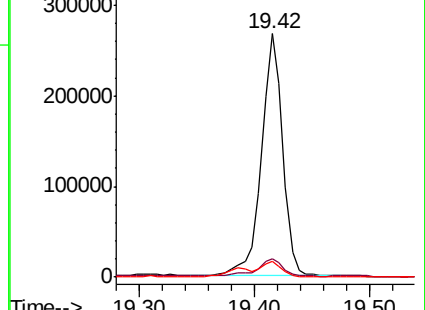
100 6.3 5.8 8.8

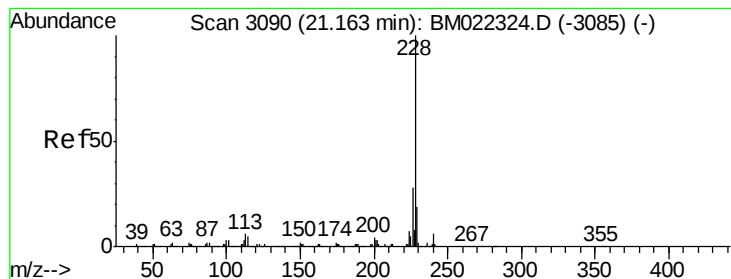


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 1.814 ng/ul

RT: 21.17 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

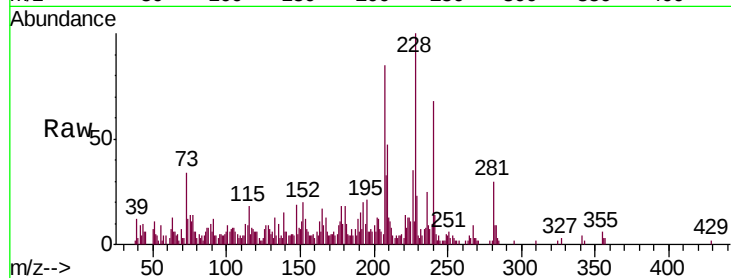
Tot Ion:228 Resp: 26479

Ion Ratio Lower Upper

228 100

229 22.7 15.2 22.8

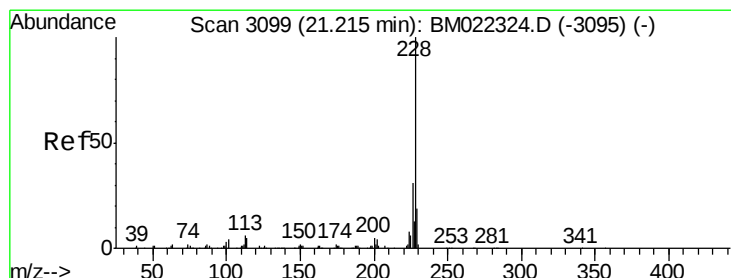
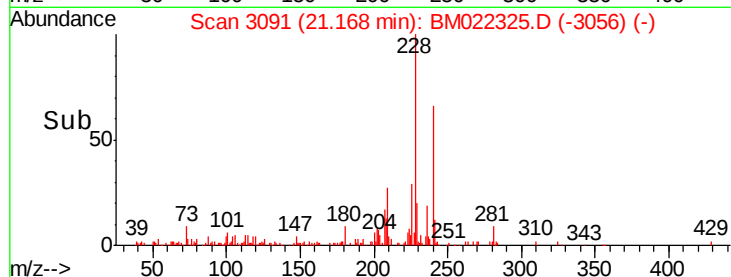
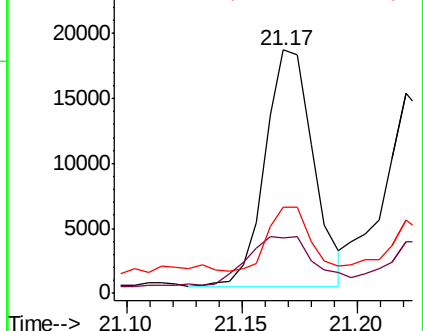
226 35.3 22.3 33.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 1.945 ng/ul

RT: 21.17 min Scan# 3091

Delta R.T. -0.05 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

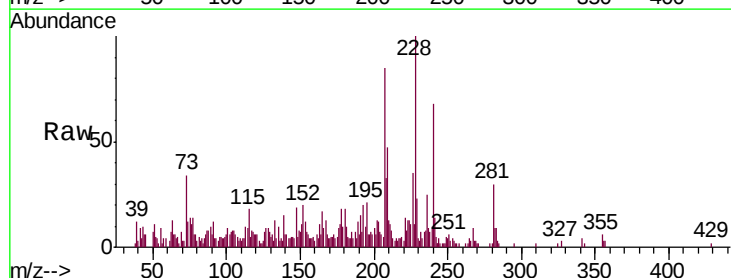
Tgt Ion:228 Resp: 26543

Ion Ratio Lower Upper

228 100

226 35.3 24.7 37.1

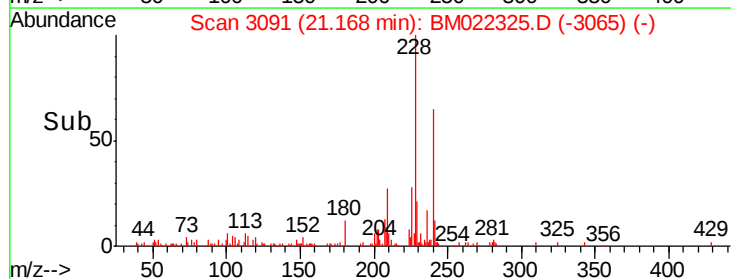
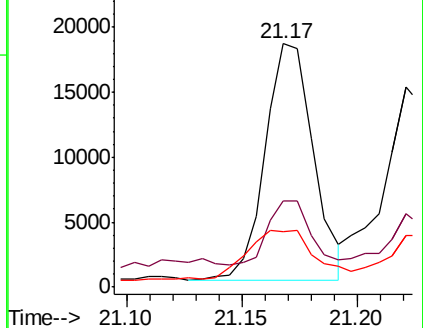
229 22.7 15.7 23.5

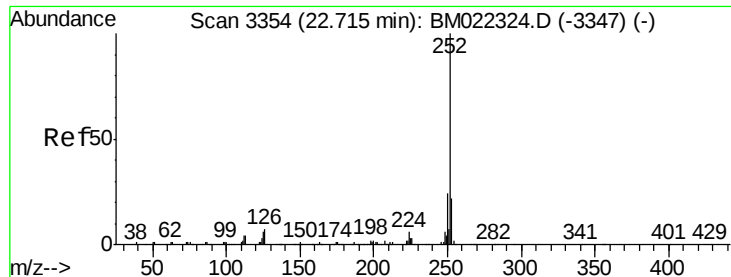


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 1.085 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

Instrument :

BNA_M

ClientSampleId :

C0AF8

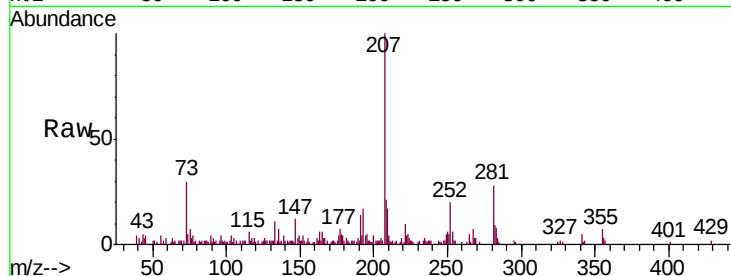
Tot Ion:252 Resp: 13464

Ion Ratio Lower Upper

252 100

253 28.9 17.0 25.6#

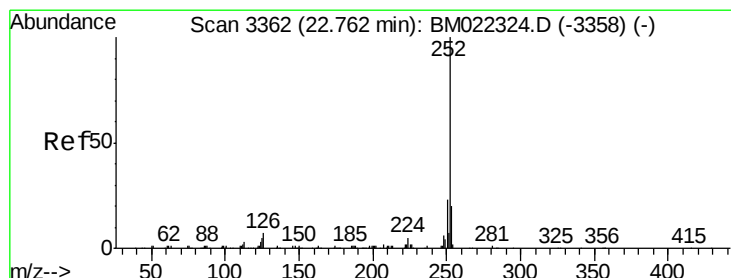
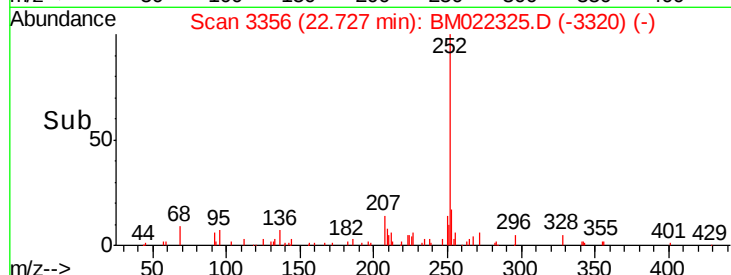
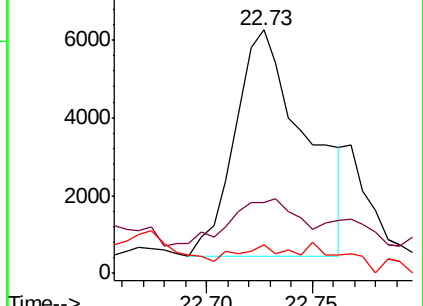
125 11.5 5.2 7.8#



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: 1.119 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. -0.03 min

Lab File: BM022325.D

Acq: 26 Aug 2019 11:39

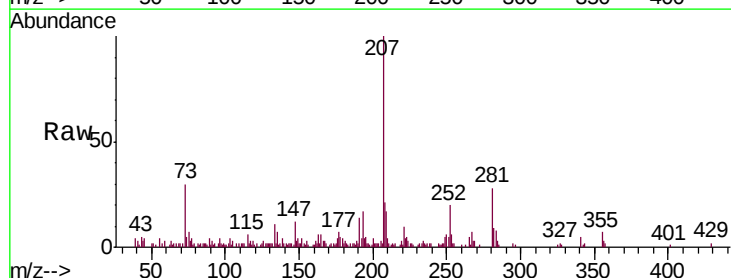
Tgt Ion:252 Resp: 13464

Ion Ratio Lower Upper

252 100

253 28.9 18.1 27.1#

125 11.5 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

