

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
 Data File : BM022337.D
 Acq On : 26 Aug 2019 18:57
 Operator : HP/JU
 Sample : K4373-11DL 20X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 27 11:57:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 27 11:54:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	19799	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	92602	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.20	164	67717	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.96	188	170418	20.00	ng/ul	-0.01
77) Chrysene-d12	21.17	240	164568	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	146589	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	6.92	67	1343	1.35	ng/ul	0.01
9) 2-Chlorophenol-d4	7.10	132	1298	0.94	ng/ul	0.01
13) 4-Methylphenol-d8	8.28	113	733	0.49	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	357	0.52	ng/ul	0.02
22) 2-Nitrophenol-d4	9.43	143	824	1.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	2484	1.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	370	0.19	ng/ul	-0.03
43) Dimethylphthalate-d6	13.63	166	11758	1.97	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	11789	1.84	ng/ul	0.00
51) 4-Nitrophenol-d4	14.42	143	682	0.77	ng/ul	-0.05
57) Fluorene-d10	15.20	176	11072	2.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	379	0.29	ng/ul	0.00
70) Anthracene-d10	17.06	188	18701	2.07	ng/ul	-0.01
78) Pyrene-d10	19.37	212	22067	2.58	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.23	264	16131	2.00	ng/ul	0.00

Target Compounds

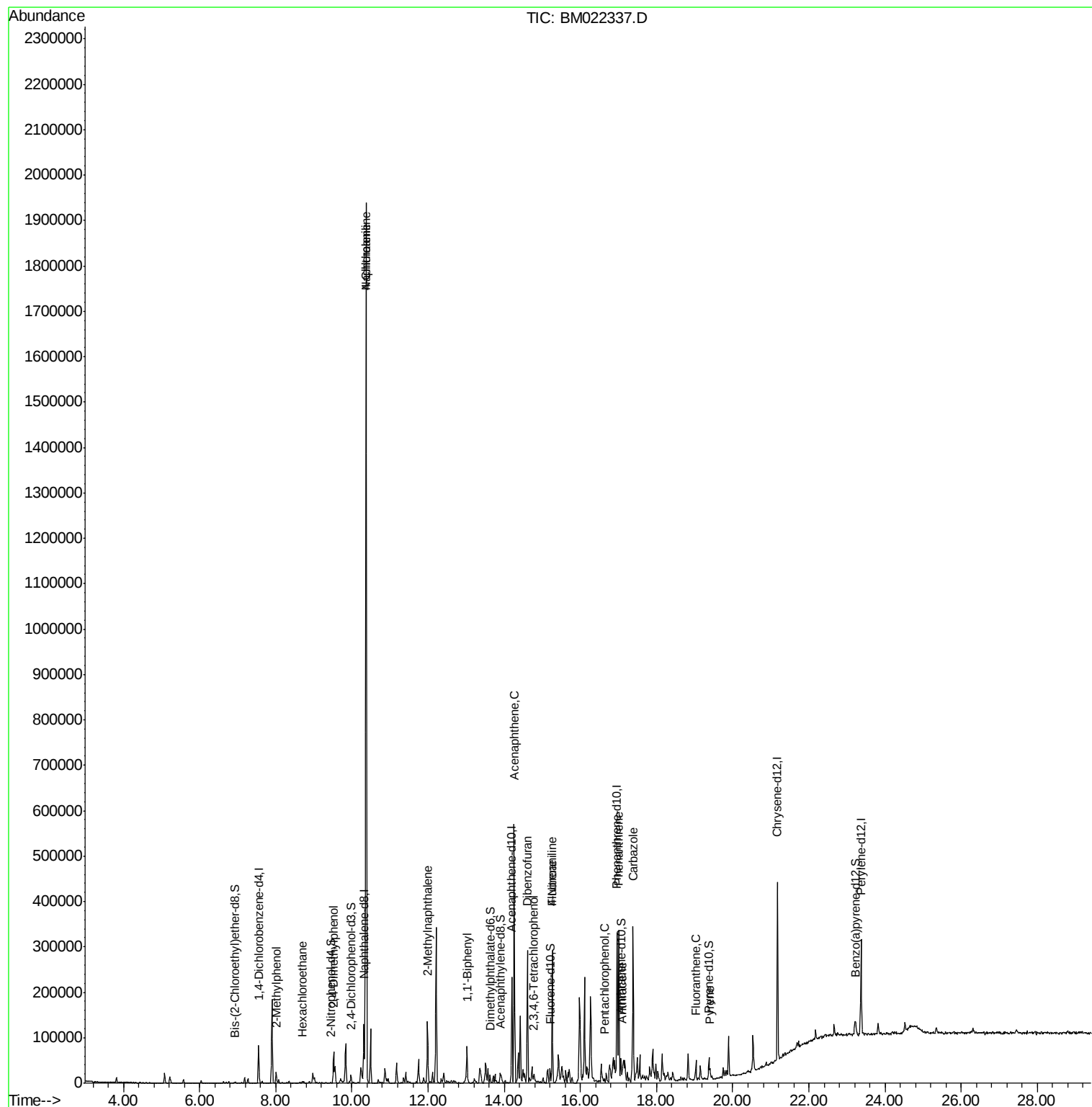
					Ovalue	
11) 2-Methylphenol	8.01	108	6583	4.569	ng/ul	95
17) Hexachloroethane	8.70	117	2856	4.067	ng/ul#	1
24) 2,4-Dimethylphenol	9.52	107	23554	11.379	ng/ul	97
28) Naphthalene	10.37	128	1282853	251.030	ng/ul	99
30) 4-Chloroaniline	10.37	127	172454	83.272	ng/ul#	4
34) 2-Methylnaphthalene	11.99	142	52961	13.451	ng/ul	96
40) 1,1'-Biphenyl	13.03	154	33089	6.004	ng/ul	98
49) Acenaphthene	14.26	153	208136	44.014	ng/ul	100
53) Dibenzofuran	14.61	168	155254	22.043	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	14.77	232	2998	1.719	ng/ul#	89
58) Fluorene	15.26	166	109070	18.386	ng/ul	96
60) 4-Nitroaniline	15.26	138	1600	1.554	ng/ul#	1
68) Pentachlorophenol	16.63	266	1753	1.068	ng/ul	96
69) Phenanthrene	17.01	178	174104	17.077	ng/ul	99
71) Anthracene	17.10	178	13728	1.294	ng/ul	98
74) Carbazole	17.39	167	155779	16.257	ng/ul	99
76) Fluoranthene	19.04	202	24462	1.592	ng/ul#	98
79) Pyrene	19.40	202	14256	1.338	ng/ul	98

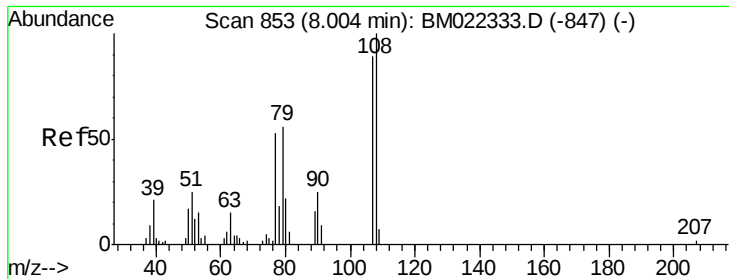
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

2-Methylphenol

Concen: 4.569 ng/ul

RT: 8.01 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM022337.D

Acq: 26 Aug 2019 18:57

Instrument :

BNA_M

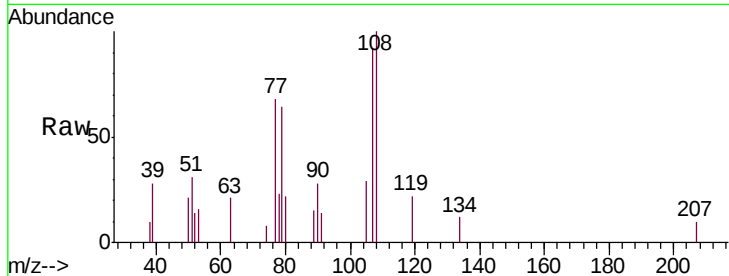
ClientSampleId :

Tot Ion:108 Resp: 6583

Ion Ratio Lower Upper

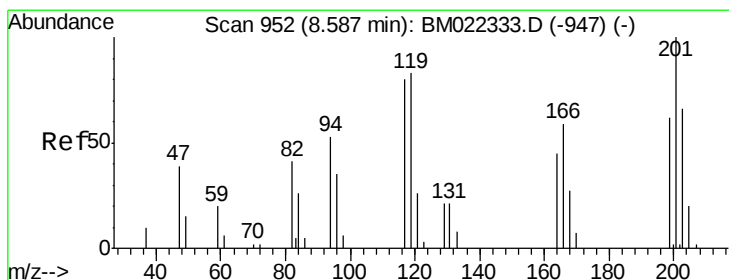
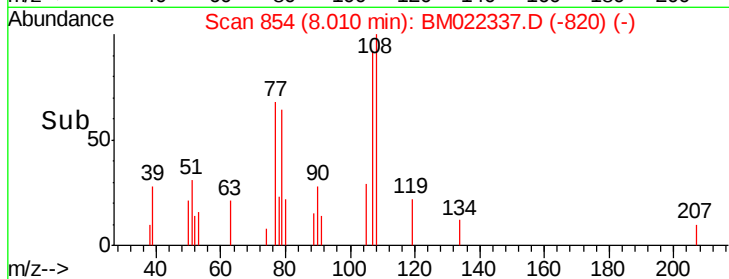
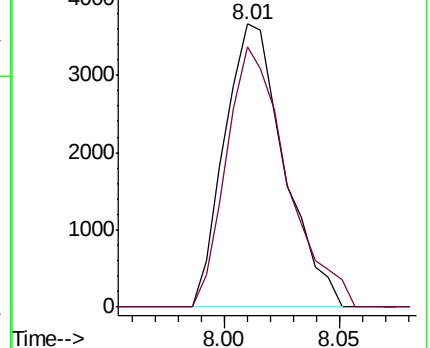
108 100

107 91.9 70.1 105.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 4.067 ng/ul

RT: 8.70 min Scan# 972

Delta R.T. 0.11 min

Lab File: BM022337.D

Acq: 26 Aug 2019 18:57

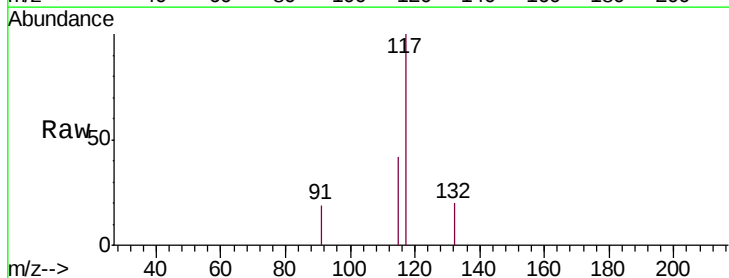
Tgt Ion:117 Resp: 2856

Ion Ratio Lower Upper

117 100

201 0.0 95.9 143.9#

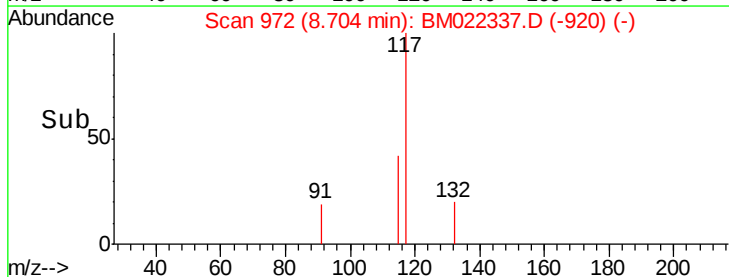
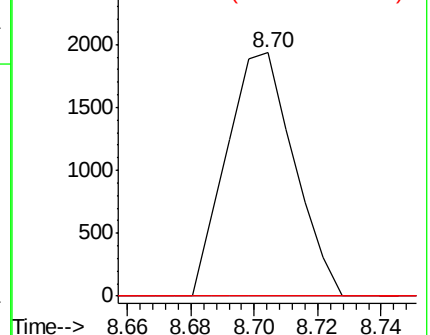
199 0.0 60.6 90.8#

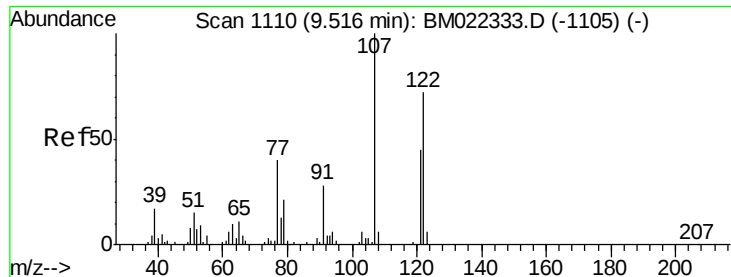


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#24

2,4-Dimethylphenol

Concen: 11.379 ng/ul

RT: 9.52 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BM022337.D

Acq: 26 Aug 2019 18:57

Instrument :

BNA_M

ClientSampleId :

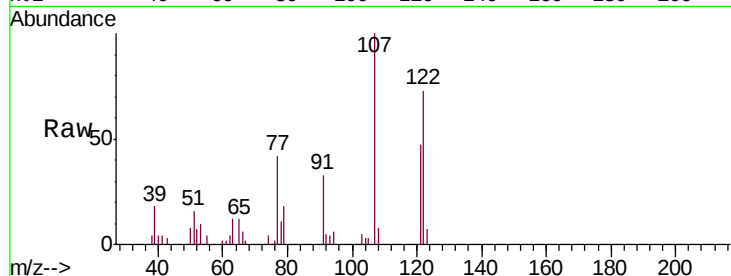
Tot Ion:107 Resp: 23554

Ion Ratio Lower Upper

107 100

121 47.2 33.6 50.4

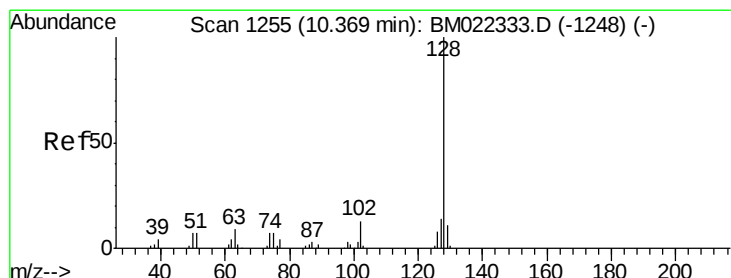
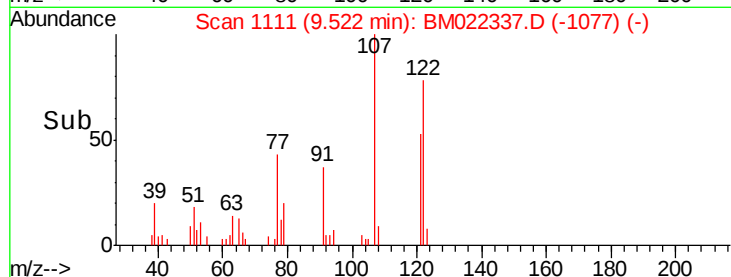
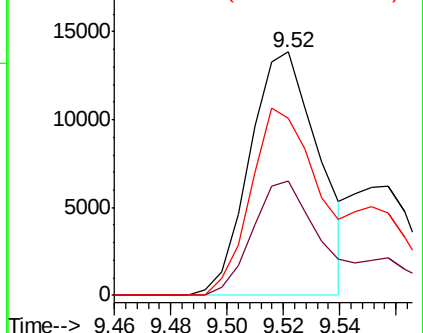
122 72.9 58.0 87.0



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



#28

Naphthalene

Concen: 251.030 ng/ul

RT: 10.37 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BM022337.D

Acq: 26 Aug 2019 18:57

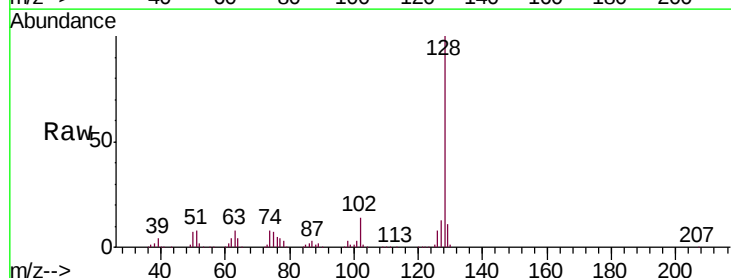
Tgt Ion:128 Resp: 1282853

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

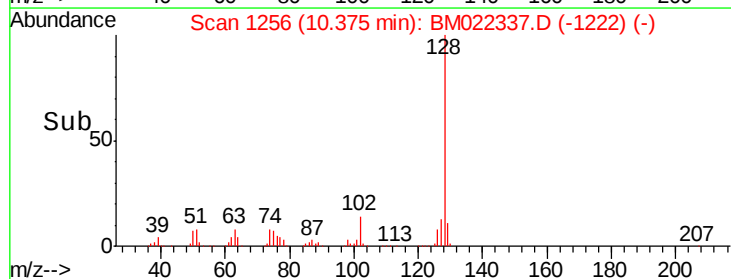
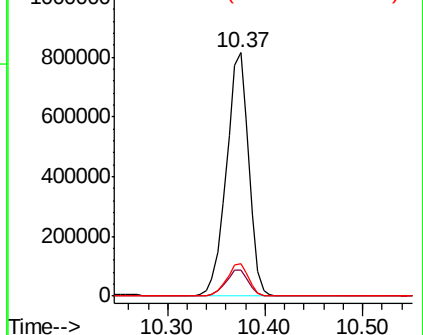
127 13.3 10.4 15.6

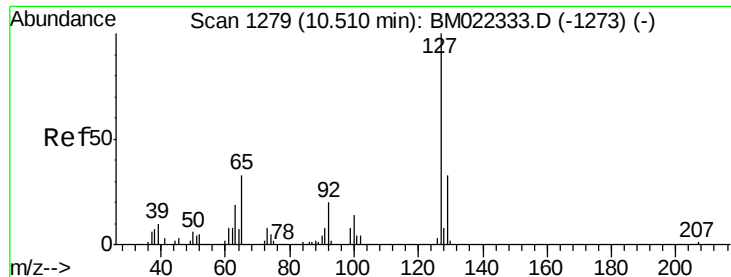


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

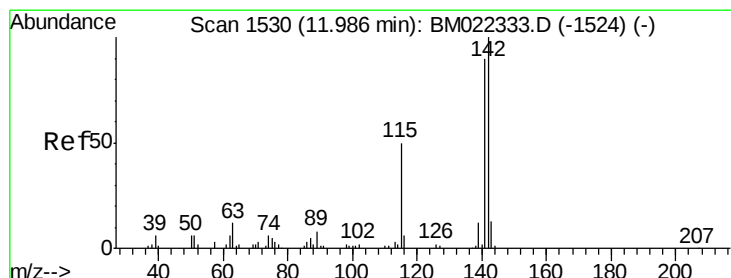
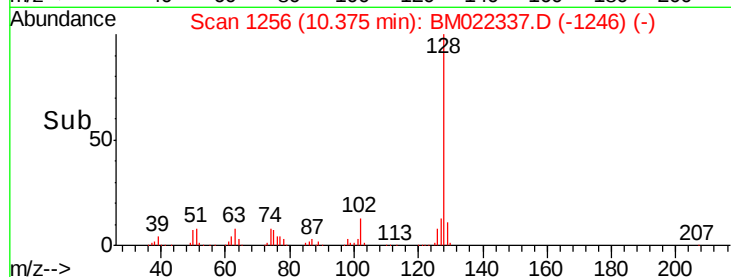
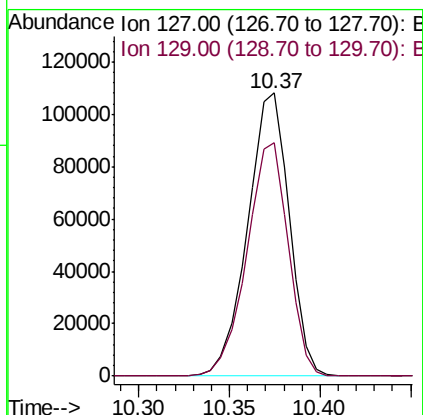
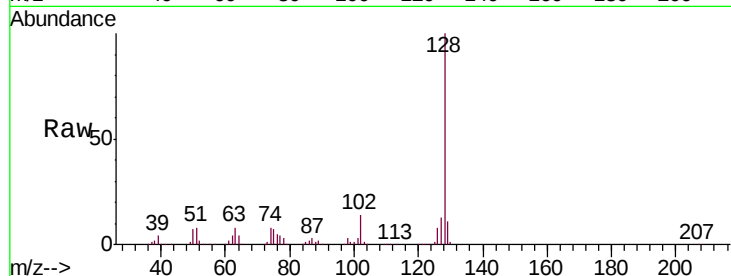




#30
4-Chloroaniline
Concen: 83.272 ng/ul
RT: 10.37 min Scan# 1256
Delta R.T. -0.14 min
Lab File: BM022337.D
Acq: 26 Aug 2019 18:57

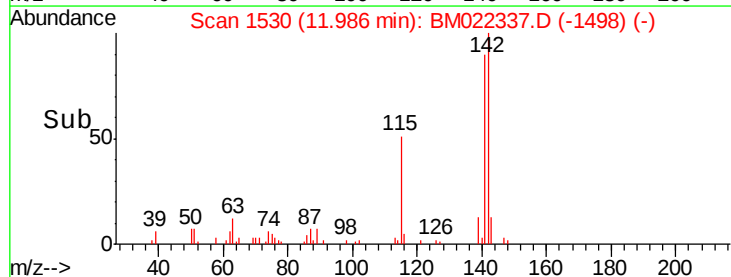
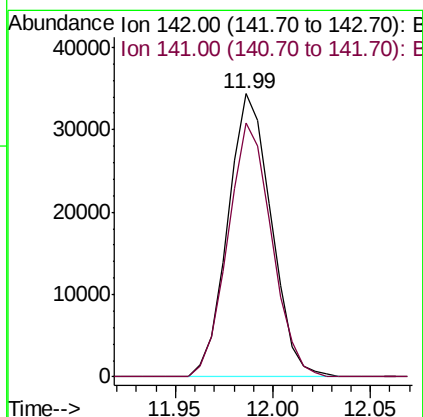
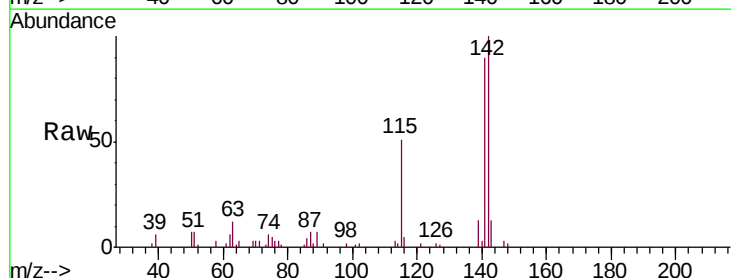
Instrument :
BNA_M
ClientSampleId :

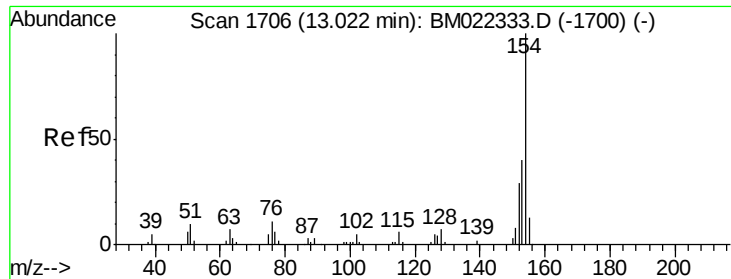
Tot Ion:127 Resp: 172454
Ion Ratio Lower Upper
127 100
129 82.5 24.2 36.4#



#34
2-Methylnaphthalene
Concen: 13.451 ng/ul
RT: 11.99 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BM022337.D
Acq: 26 Aug 2019 18:57

Tgt Ion:142 Resp: 52961
Ion Ratio Lower Upper
142 100
141 89.7 75.1 112.7

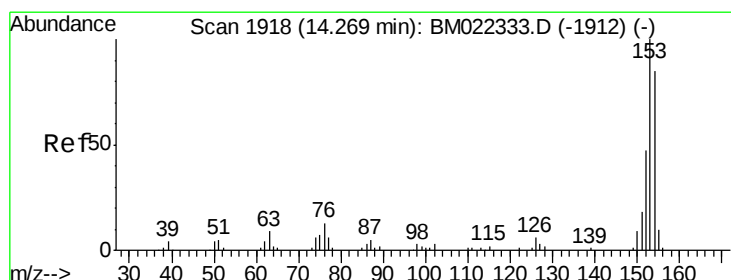
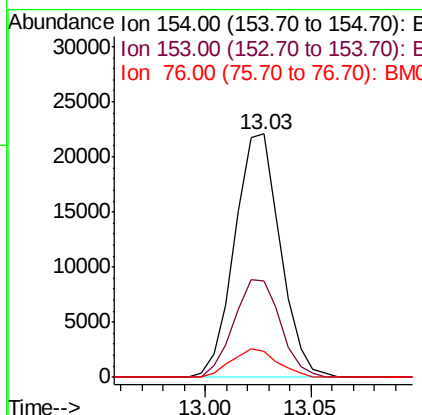
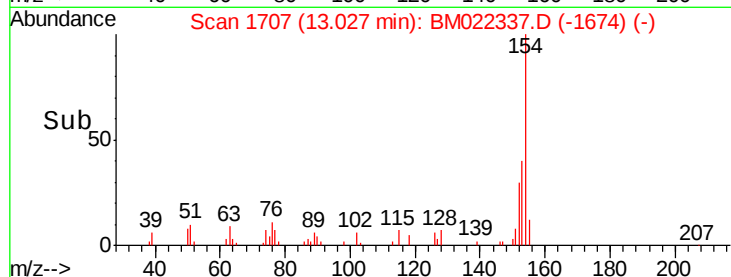
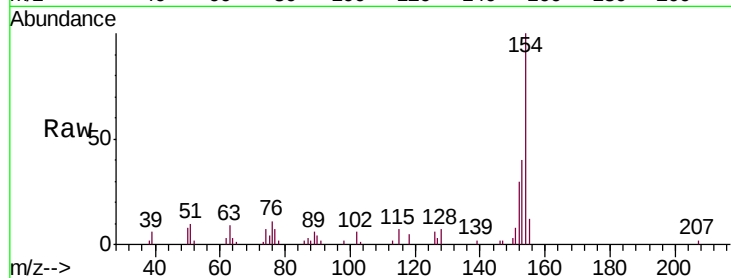




#40
1,1'-Biphenyl
Concen: 6.004 ng/ul
RT: 13.03 min Scan# 1707
Delta R.T. -0.01 min
Lab File: BM022337.D
Acq: 26 Aug 2019 18:57

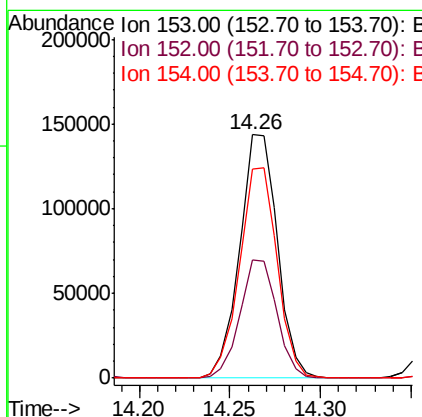
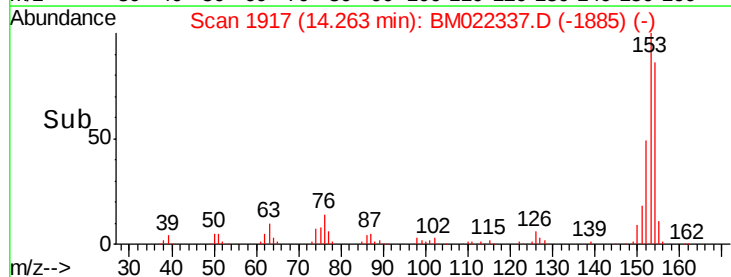
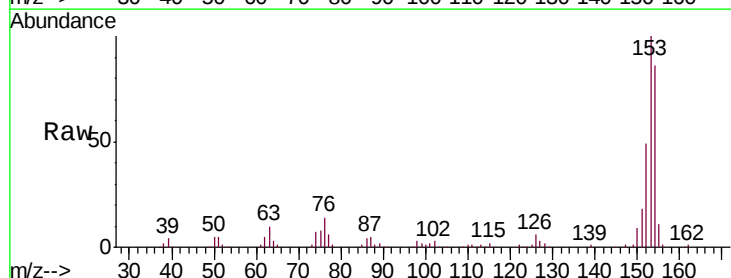
Instrument :
BNA_M
ClientSampleId :

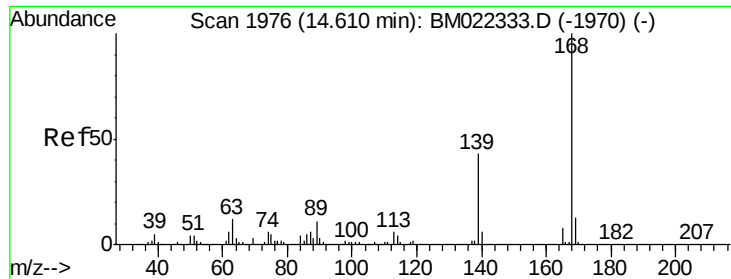
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.7	32.5	48.7
76	10.8	9.2	13.8



#49
Acenaphthene
Concen: 44.014 ng/ul
RT: 14.26 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BM022337.D
Acq: 26 Aug 2019 18:57

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.8	38.6	58.0
154	86.0	68.9	103.3





#53

Dibenzofuran

Concen: 22.043 ng/ul

RT: 14.61 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM022337.D

Acq: 26 Aug 2019 18:57

Instrument :

BNA_M

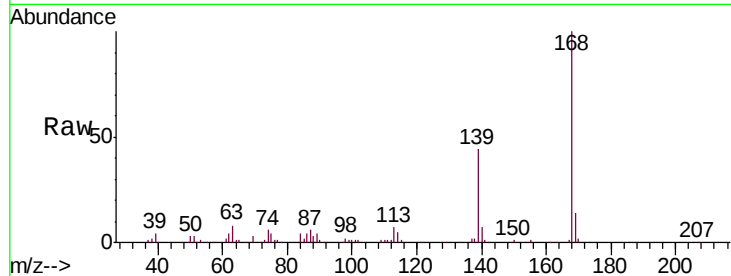
ClientSampleId :

Tot Ion:168 Resp: 155254

Ion Ratio Lower Upper

168 100

139 44.5 36.2 54.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

120000

100000

80000

60000

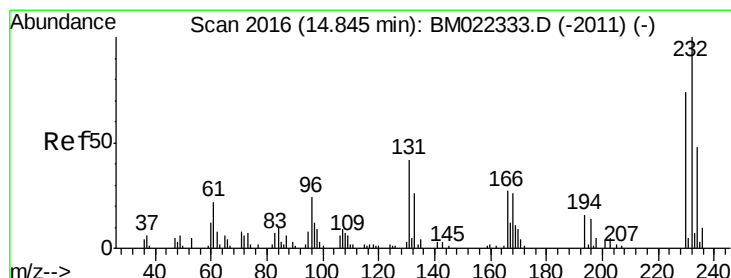
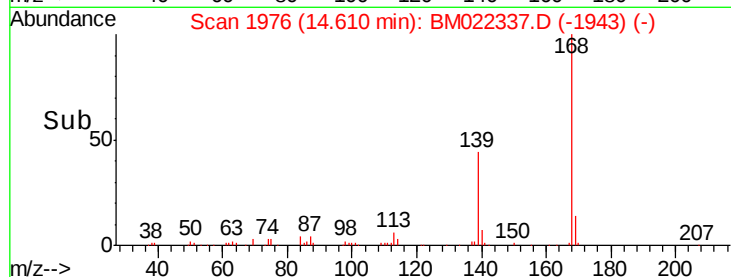
40000

20000

0

14.55 14.60 14.65

Time-->



#55

2,3,4,6-Tetrachlorophenol

Concen: 1.719 ng/ul

RT: 14.77 min Scan# 2003

Delta R.T. -0.08 min

Lab File: BM022337.D

Acq: 26 Aug 2019 18:57

Tgt Ion:232 Resp: 2998

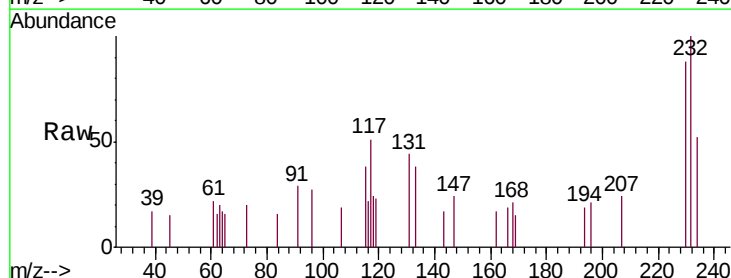
Ion Ratio Lower Upper

232 100

131 44.2 38.4 57.6

130 0.0 2.6 3.8#

166 19.2 23.7 35.5#



Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

3000

2500

2000

1500

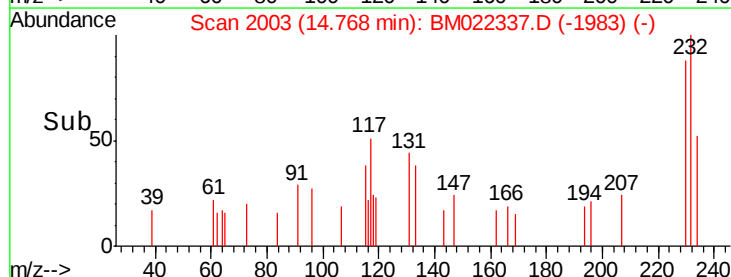
1000

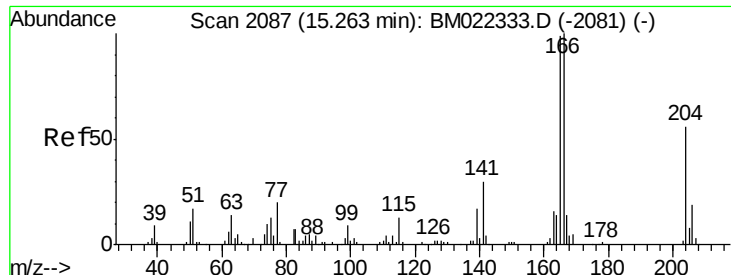
500

0

14.75 14.80

Time-->





#58

Fluorene

Concen: 18.386 ng/ul

RT: 15.26 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM022337.D

Acq: 26 Aug 2019 18:57

Instrument :

BNA_M

ClientSampleId :

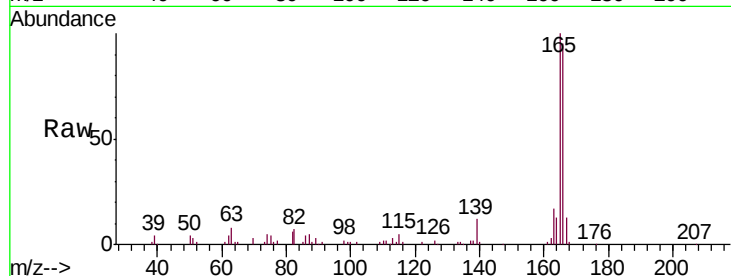
Tot Ion:166 Resp: 109070

Ion Ratio Lower Upper

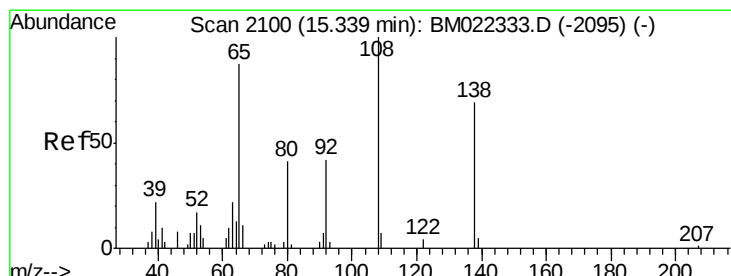
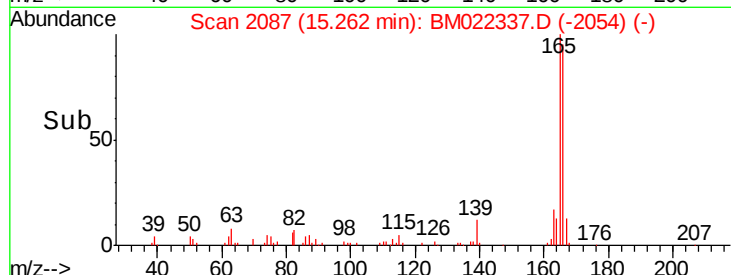
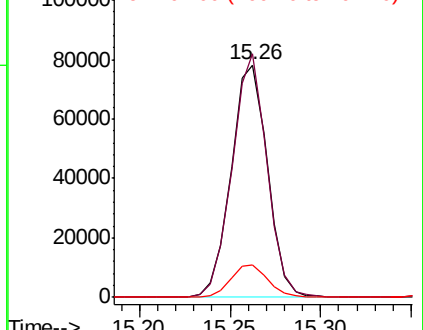
166 100

165 104.9 80.2 120.2

167 13.9 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



#60

4-Nitroaniline

Concen: 1.554 ng/ul

RT: 15.26 min Scan# 2087

Delta R.T. -0.08 min

Lab File: BM022337.D

Acq: 26 Aug 2019 18:57

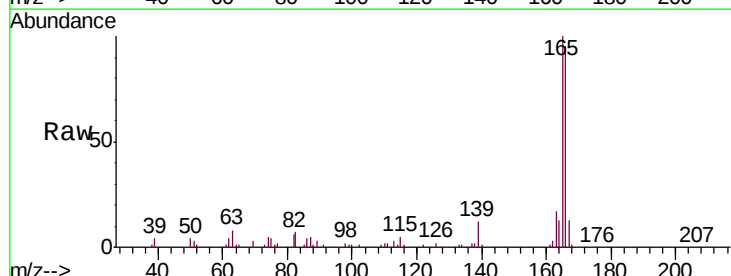
Tgt Ion:138 Resp: 1600

Ion Ratio Lower Upper

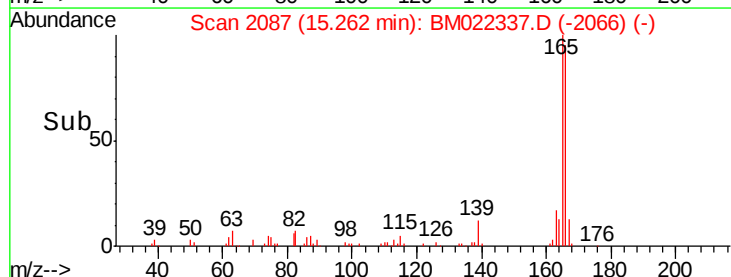
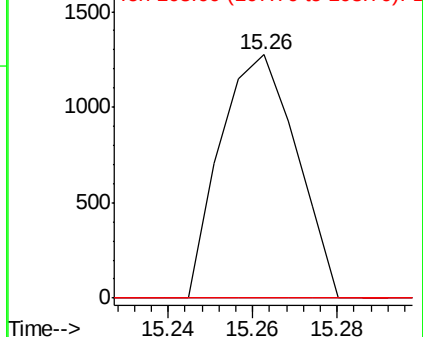
138 100

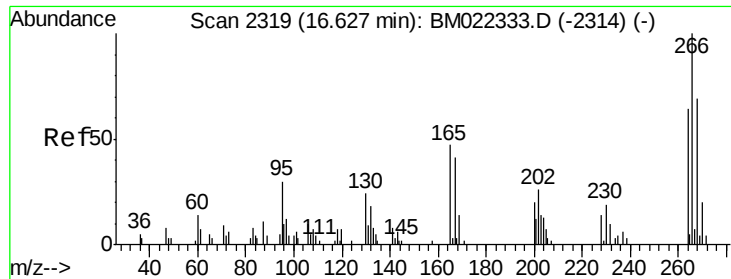
92 0.0 47.8 71.6#

108 0.0 114.9 172.3#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

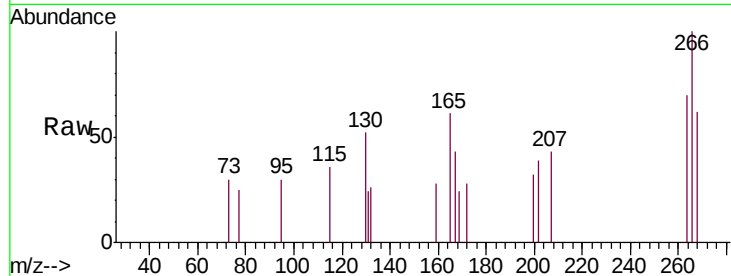




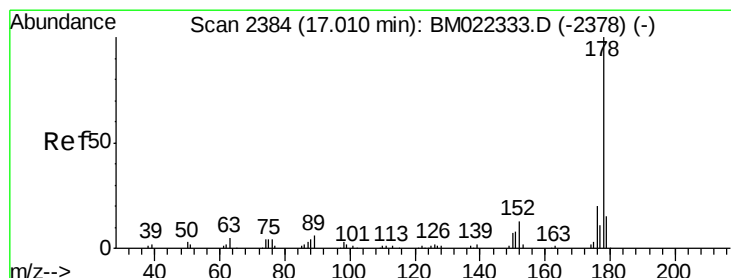
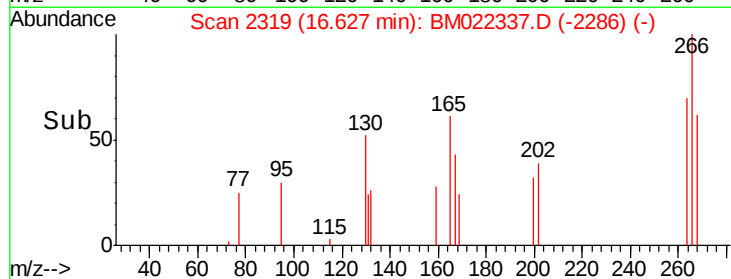
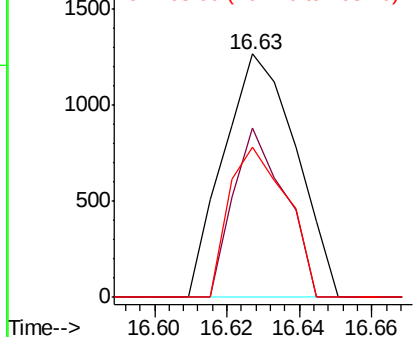
#68
 Pentachlorophenol
 Concen: 1.068 ng/ul
 RT: 16.63 min Scan# 2319
 Delta R.T. -0.01 min
 Lab File: BM022337.D
 Acq: 26 Aug 2019 18:57

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:266 Resp: 1753
 Ion Ratio Lower Upper
 266 100
 264 69.8 51.3 76.9
 268 61.9 49.4 74.2

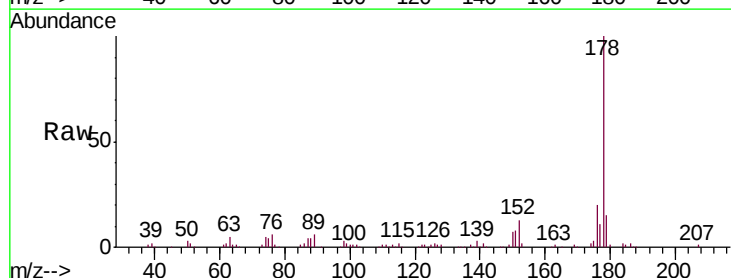


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

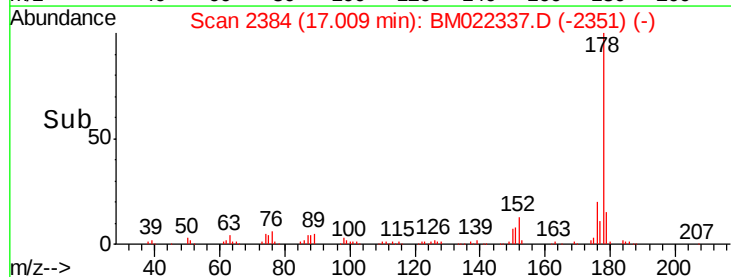
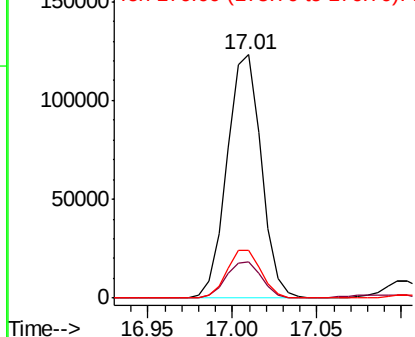


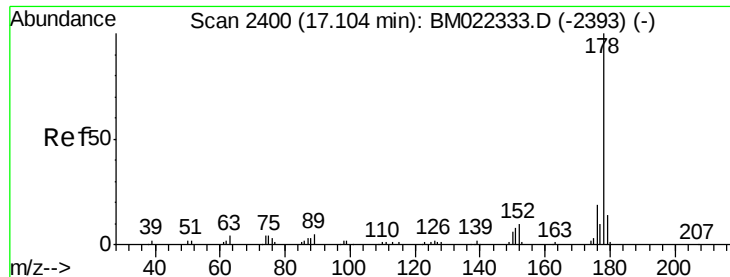
#69
 Phenanthrene
 Concen: 17.077 ng/ul
 RT: 17.01 min Scan# 2384
 Delta R.T. -0.01 min
 Lab File: BM022337.D
 Acq: 26 Aug 2019 18:57

Tgt Ion:178 Resp: 174104
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.4 18.6
 176 19.8 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: 1.294 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM022337.D

Acq: 26 Aug 2019 18:57

Instrument :

BNA_M

ClientSampleId :

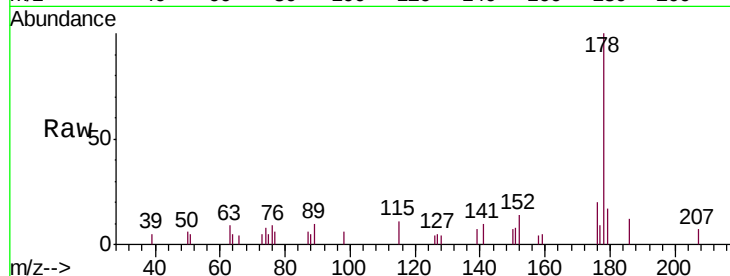
Tot Ion:178 Resp: 13728

Ion Ratio Lower Upper

178 100

179 16.9 12.3 18.5

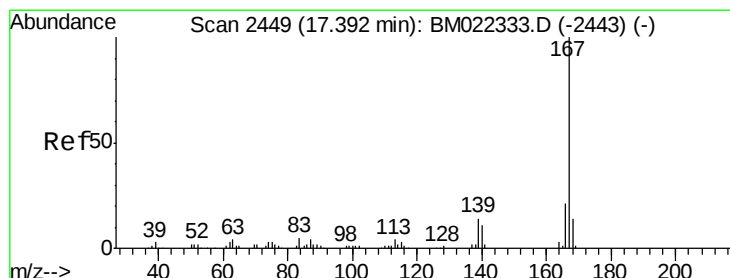
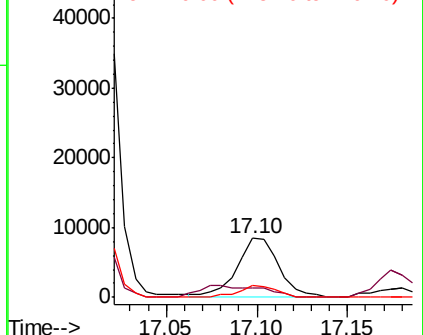
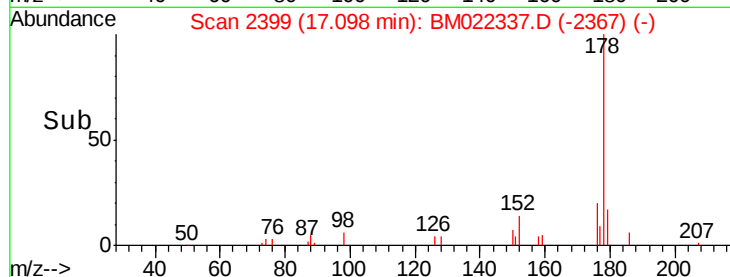
176 20.2 15.5 23.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Carbazole

Concen: 16.257 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BM022337.D

Acq: 26 Aug 2019 18:57

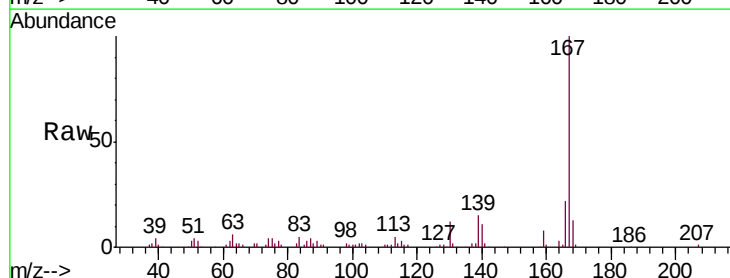
Tgt Ion:167 Resp: 155779

Ion Ratio Lower Upper

167 100

166 21.7 17.8 26.8

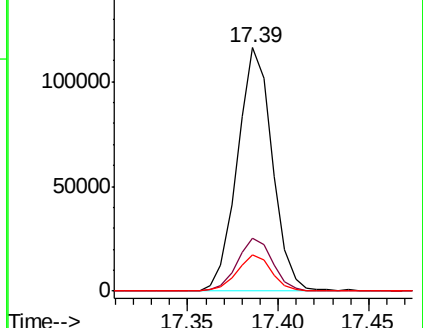
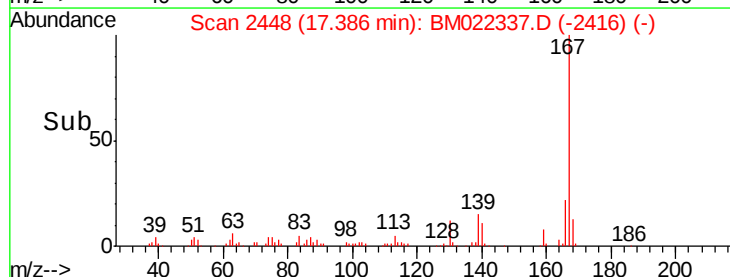
139 14.7 11.8 17.8

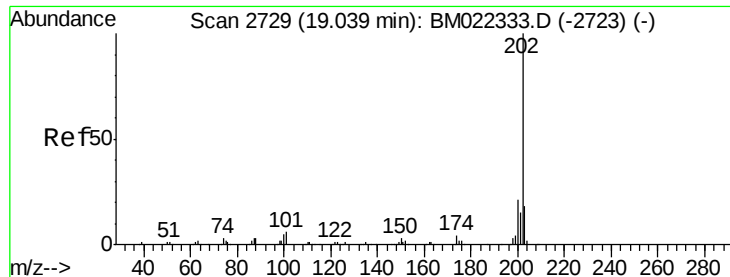


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

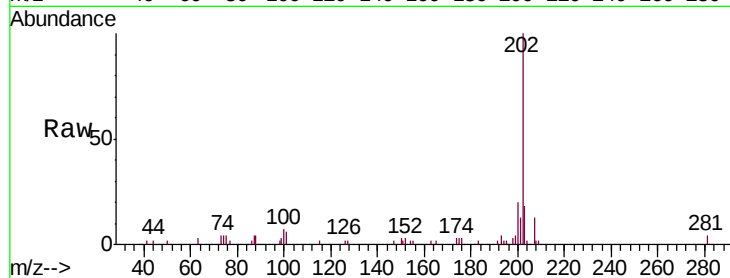




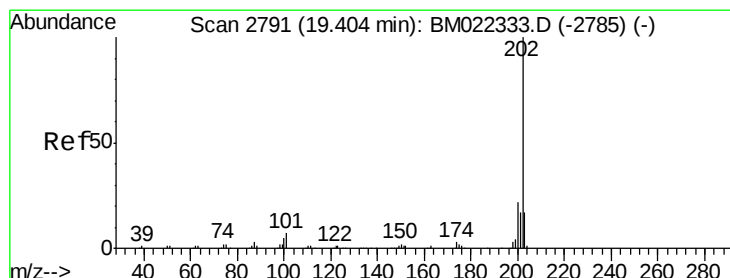
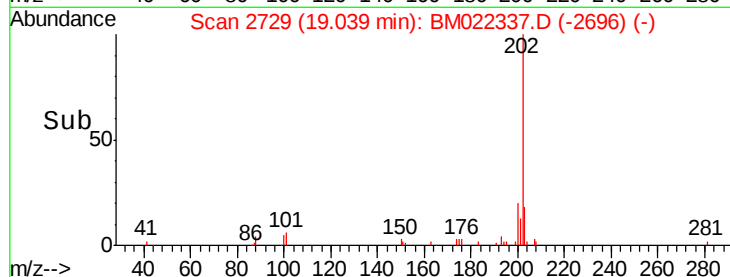
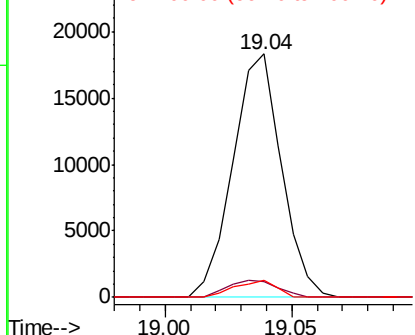
#76
 Fluoranthene
 Concen: 1.592 ng/ul
 RT: 19.04 min Scan# 2729
 Delta R.T. -0.01 min
 Lab File: BM022337.D
 Acq: 26 Aug 2019 18:57

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.5	5.3	7.9
100	7.1	4.6	6.8

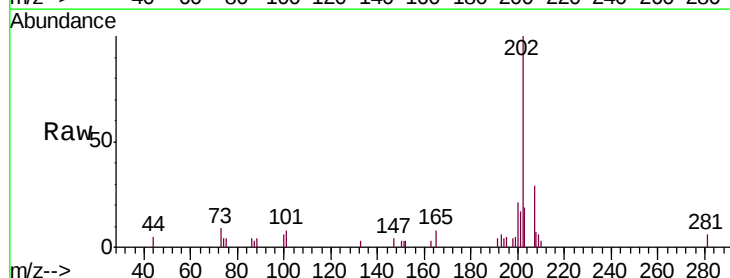


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



#79
 Pyrene
 Concen: 1.338 ng/ul
 RT: 19.40 min Scan# 2791
 Delta R.T. -0.01 min
 Lab File: BM022337.D
 Acq: 26 Aug 2019 18:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	7.0	10.4
100	6.4	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

