

Data File : BM022309.D
Acq On : 25 Aug 2019 01:43
Operator : HP/JU
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD2

Quant Time: Aug 26 01:35:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 26 01:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	47239	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	52078	20.00	ng/ul	0.06
35) Acenaphthene-d10	14.22	164	160360	20.00	ng/ul	0.01
61) Phenanthrene-d10	16.99	188	388742	20.00	ng/ul	0.01
77) Chrysene-d12	21.19	240	263106	20.00	ng/ul	0.01
85) Perylene-d12	23.39	264	254196	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	4189	3.97	ng/uL	0.00
5) Phenol-d5	6.76	99	21236	5.21	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.92	67	52963	22.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	62381	18.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	42422	12.01	ng/ul	0.01
19) Nitrobenzene-d5	8.75	128	42855	110.37	ng/ul	0.03
22) 2-Nitrophenol-d4	9.49	143	48567	107.46	ng/ul	0.06
26) 2,4-Dichlorophenol-d3	10.05	165	47017	51.11	ng/ul	0.09
29) 4-Chloroaniline-d4	10.59	131	87045	77.79	ng/ul	0.09
43) Dimethylphthalate-d6	13.67	166	348466	24.68	ng/ul	0.04
46) Acenaphthylene-d8	13.91	160	382101	25.12	ng/ul	0.01
51) 4-Nitrophenol-d4	14.46	143	35868	17.15	ng/ul	-0.01
57) Fluorene-d10	15.22	176	546040	46.62	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.42	200	26349	8.78	ng/ul	0.04
70) Anthracene-d10	17.09	188	532750	25.88	ng/ul	0.01
78) Pyrene-d10	19.39	212	507821	37.14	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.24	264	362999	25.99	ng/ul	0.01

Target Compounds

					Qvalue	
4) Benzaldehyde	6.70	77	4690	1.999	ng/ul#	1
6) Phenol	6.78	94	68741	15.746	ng/ul	97
10) 2-Chlorophenol	7.13	128	15198	4.448	ng/ul	95
11) 2-Methylphenol	8.02	108	630714	183.460	ng/ul	96
16) 4-Methylphenol	8.36	108	536488	141.933	ng/ul	99
17) Hexachloroethane	8.64	117	13111	7.826	ng/ul#	1
20) Nitrobenzene	8.80	77	2010	1.758	ng/ul#	59
24) 2,4-Dimethylphenol	9.63	107	8916675	7659.328	ng/ul	92
30) 4-Chloroaniline	10.51	127	12346556	10600.770	ng/ul#	10
32) Caprolactam	11.39	113	379	1.310	ng/ul#	1
33) 4-Chloro-3-methylphenol	11.70	107	10750	10.446	ng/ul#	25
34) 2-Methylnaphthalene	12.06	142	16608061	7500.202	ng/ul	97
40) 1,1'-Biphenyl	13.04	154	1223190	93.728	ng/ul	99
41) 2-Chloronaphthalene	13.04	162	11586	1.139	ng/ul#	1
44) Dimethylphthalate	13.72	163	48714	3.390	ng/ul#	94
47) Acenaphthylene	13.94	152	522509	33.127	ng/ul	99
49) Acenaphthene	14.30	153	3859409	344.640	ng/ul	99
50) 2,4-Dinitrophenol	14.53	184	10325	6.257	ng/ul#	1
53) Dibenzofuran	14.64	168	4299326	257.769	ng/ul	89
58) Fluorene	15.29	166	3320398	236.359	ng/ul	98
64) N-Nitrosodiphenylamine	15.54	169	31062	2.564	ng/ul	94
69) Phenanthrene	17.04	178	4195342	180.396	ng/ul	99
71) Anthracene	17.12	178	545849	22.555	ng/ul	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082319\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Carbazole	17.44	167	11615423	531.384	ng/ul	97
76) Fluoranthene	19.05	202	259228	7.397	ng/ul	99
79) Pyrene	19.42	202	140195	8.232	ng/ul	98

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

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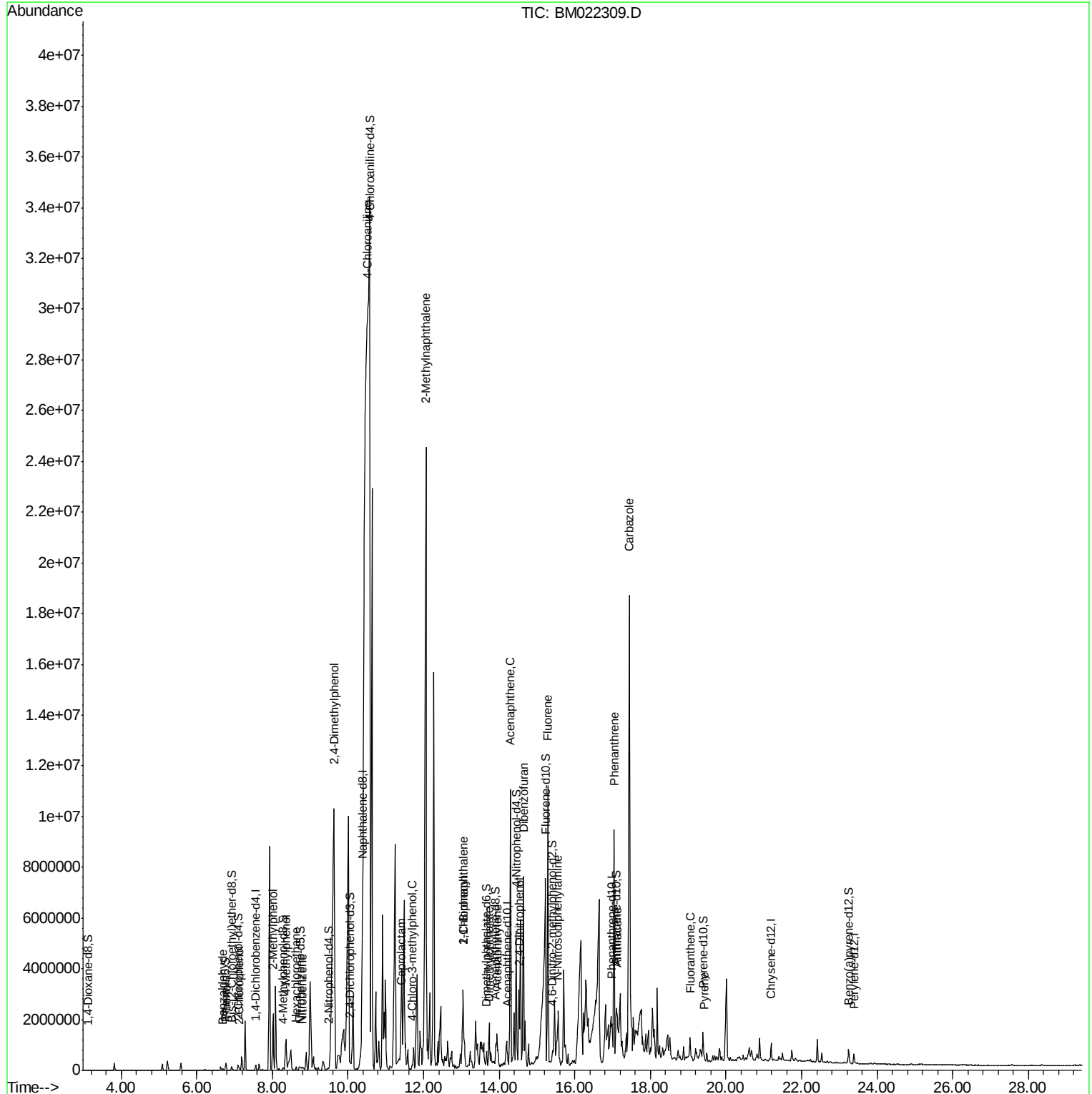
Quant Time: Aug 26 01:35:33 2019

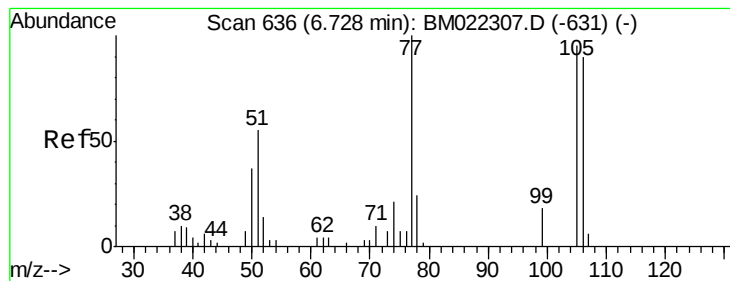
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Aug 26 01:32:10 2019

Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.999 ng/ul

RT: 6.70 min Scan# 631

Delta R.T. -0.03 min

Lab File: BM022309.D

Acq: 25 Aug 2019 01:43

Instrument :

BNA_M

ClientSampleId :

C0AD2

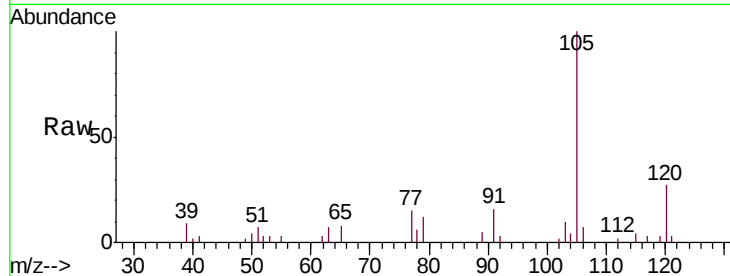
Tgt Ion: 77 Resp: 4690

Ion Ratio Lower Upper

77 100

105 687.6 71.7 107.5#

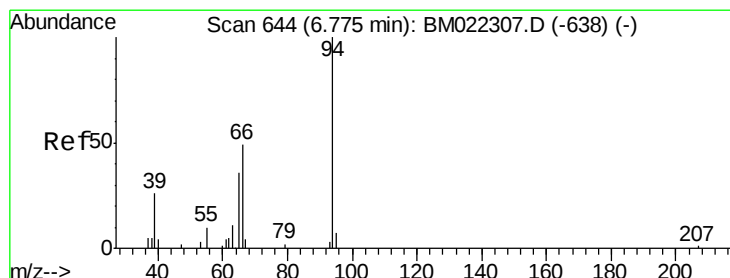
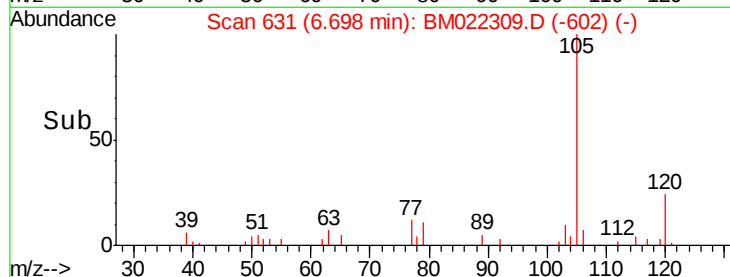
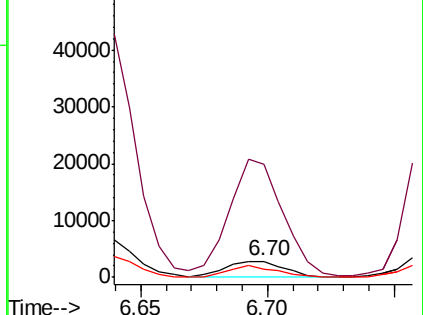
106 50.2 71.7 107.5#



Abundance Ion 77.00 (76.70 to 77.70): BM022309.D (-602) (-)

Ion 105.00 (104.70 to 105.70): BM022309.D (-602) (-)

Ion 106.00 (105.70 to 106.70): BM022309.D (-602) (-)



#6

Phenol

Concen: 15.746 ng/ul

RT: 6.78 min Scan# 645

Delta R.T. 0.01 min

Lab File: BM022309.D

Acq: 25 Aug 2019 01:43

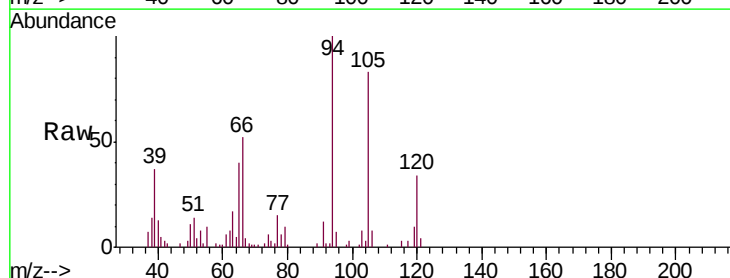
Tgt Ion: 94 Resp: 68741

Ion Ratio Lower Upper

94 100

65 39.6 29.2 43.8

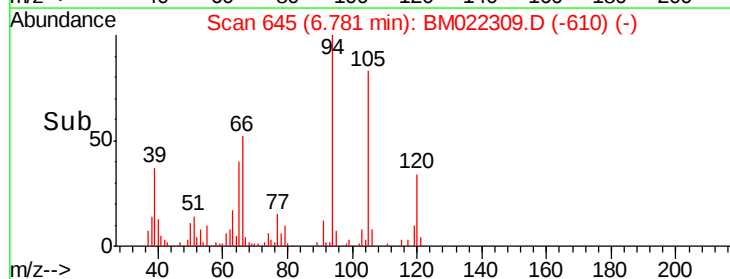
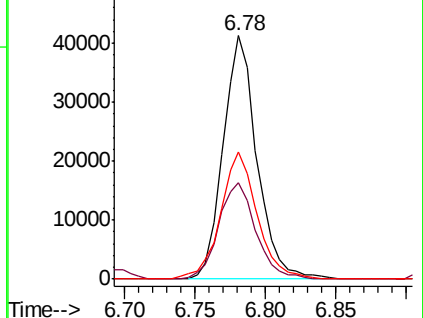
66 52.1 40.6 60.8

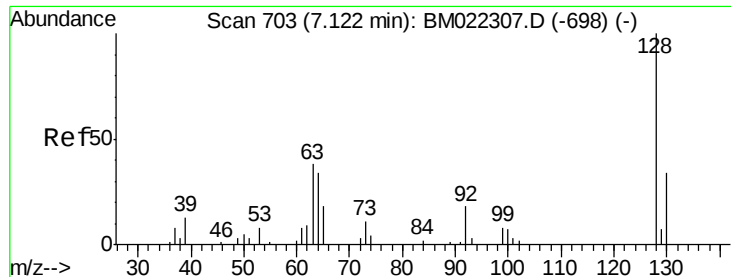


Abundance Ion 94.00 (93.70 to 94.70): BM022309.D (-610) (-)

Ion 65.00 (64.70 to 65.70): BM022309.D (-610) (-)

Ion 66.00 (65.70 to 66.70): BM022309.D (-610) (-)

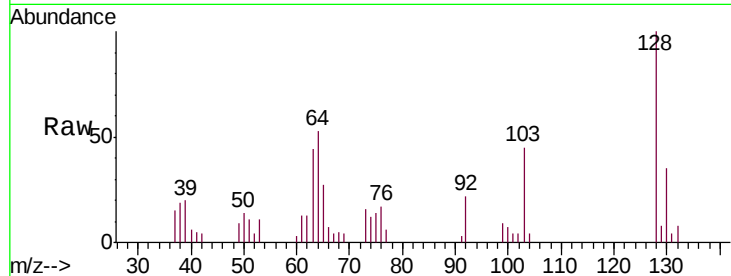




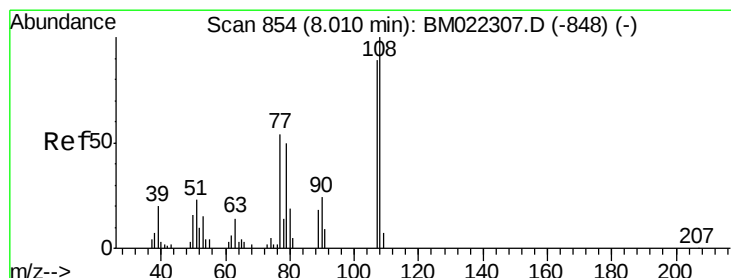
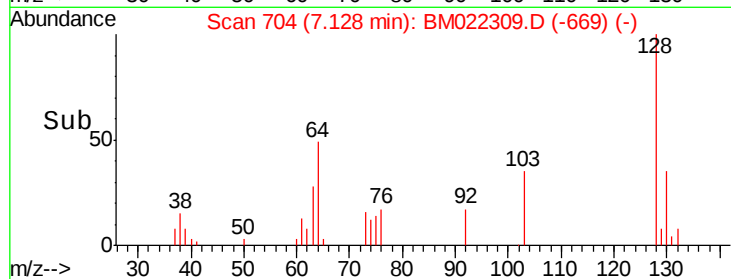
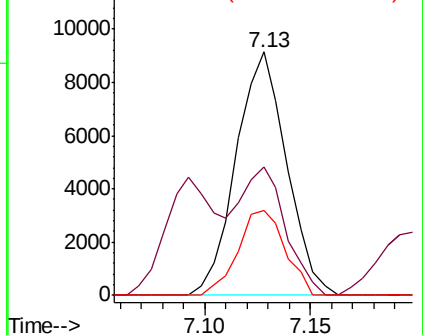
#10
2-Chlorophenol
Concen: 4.448 ng/ul
RT: 7.13 min Scan# 704
Delta R.T. 0.01 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Instrument :
BNA_M
ClientSampleId :
C0AD2

Tgt Ion:128 Resp: 15198
Ion Ratio Lower Upper
128 100
64 52.9 38.6 57.8
130 34.7 27.0 40.6

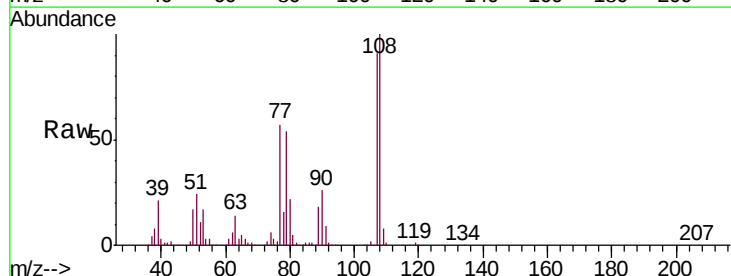


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BM
Ion 130.00 (129.70 to 130.70): E

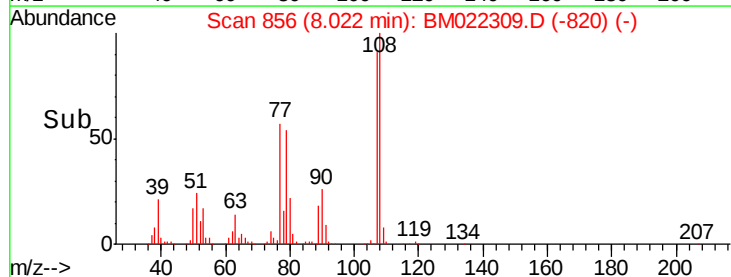
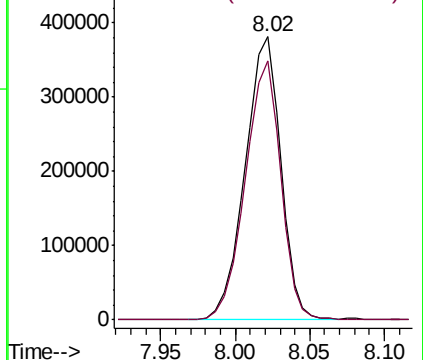


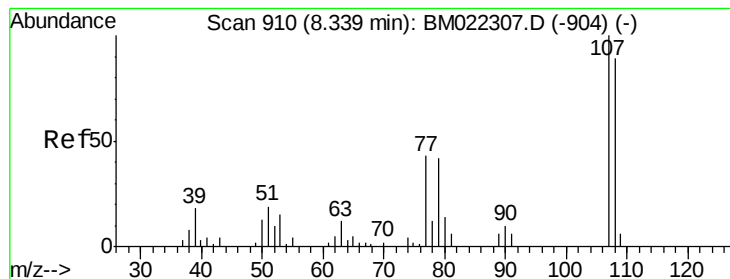
#11
2-Methylphenol
Concen: 183.460 ng/ul
RT: 8.02 min Scan# 856
Delta R.T. 0.01 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:108 Resp: 630714
Ion Ratio Lower Upper
108 100
107 91.4 70.1 105.1



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E





#16

4-Methylphenol

Concen: 141.933 ng/ul

RT: 8.36 min Scan# 913

Delta R.T. 0.02 min

Lab File: BM022309.D

Acq: 25 Aug 2019 01:43

Instrument :

BNA_M

ClientSampled :

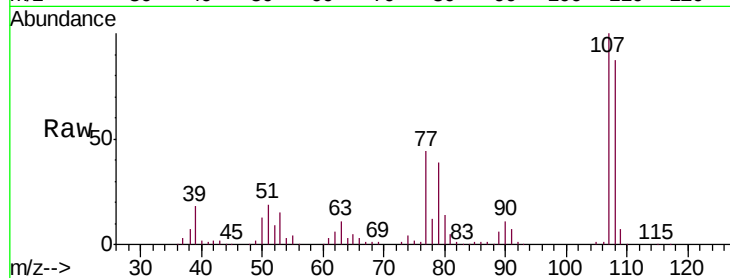
C0AD2

Tgt Ion:108 Resp: 536488

Ion Ratio Lower Upper

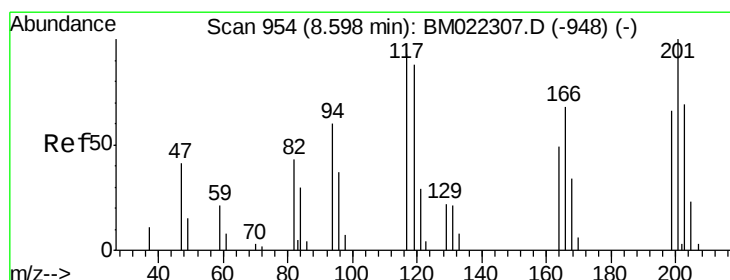
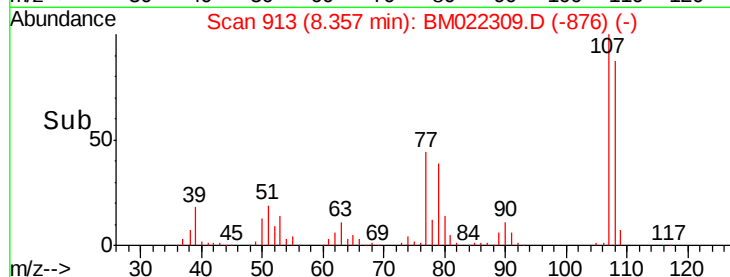
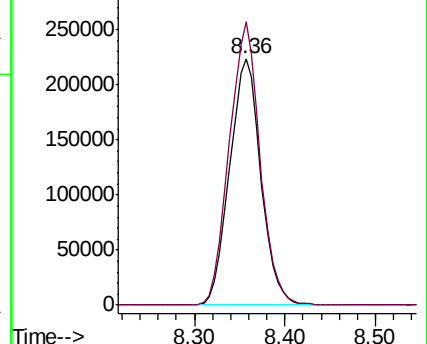
108 100

107 114.8 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: 7.826 ng/ul

RT: 8.64 min Scan# 961

Delta R.T. 0.04 min

Lab File: BM022309.D

Acq: 25 Aug 2019 01:43

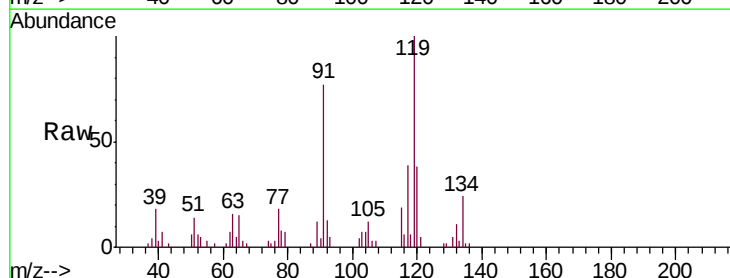
Tgt Ion:117 Resp: 13111

Ion Ratio Lower Upper

117 100

201 0.0 95.9 143.9#

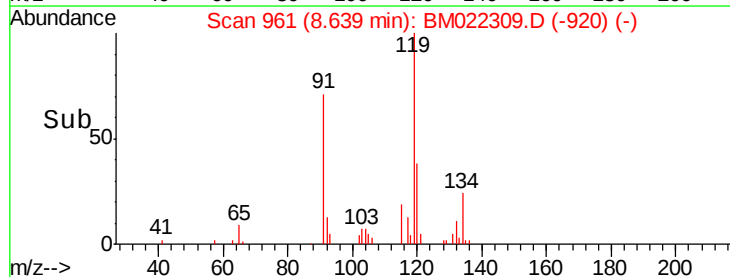
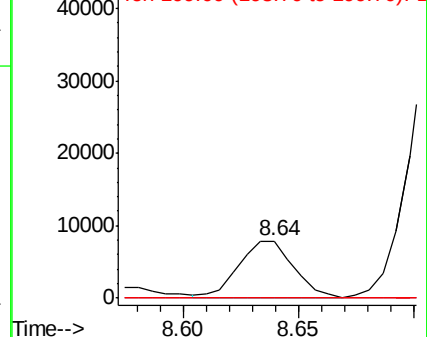
199 0.0 60.6 90.8#

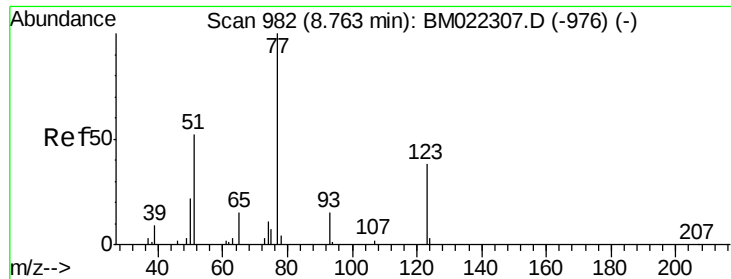


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

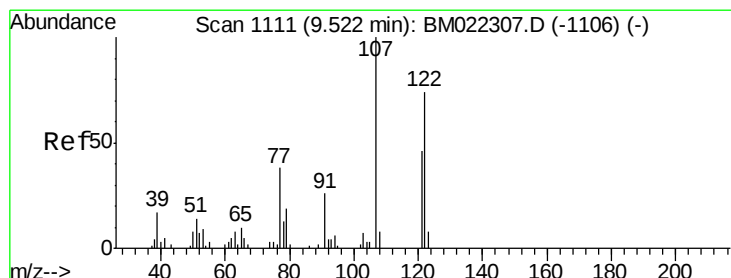
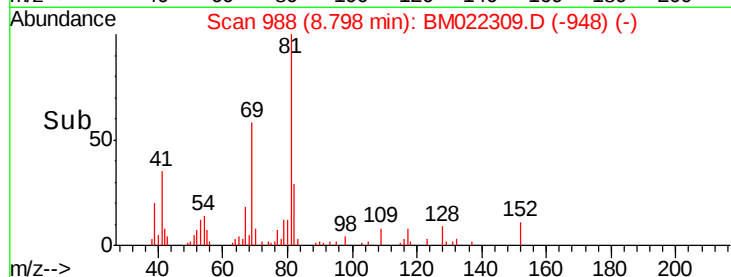
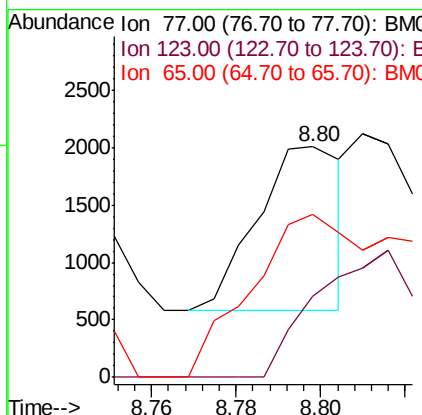
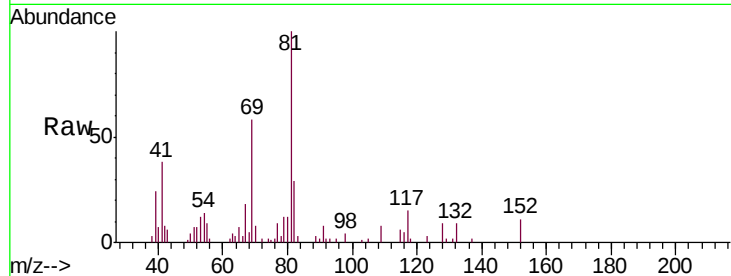




#20
Nitrobenzene
Concen: 1.758 ng/ul
RT: 8.80 min Scan# 988
Delta R.T. 0.04 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

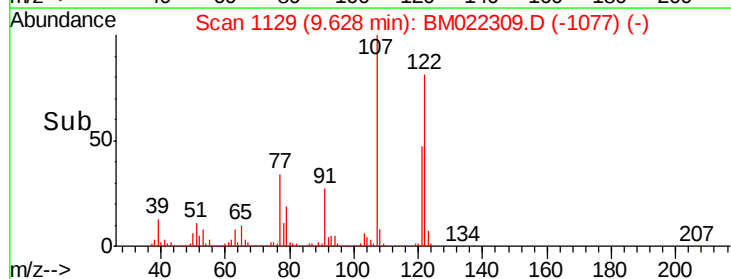
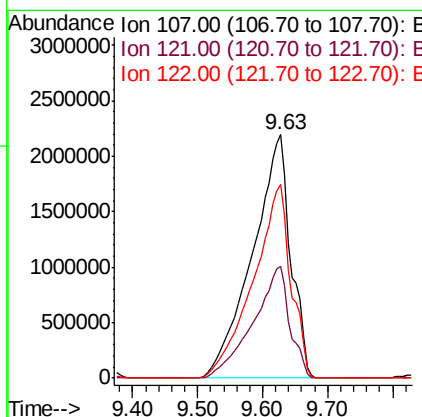
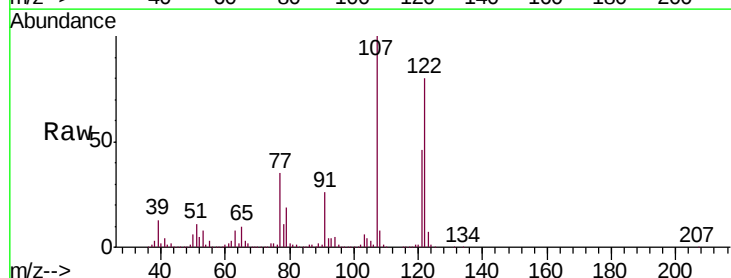
Instrument :
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ClientSampled :
C0AD2

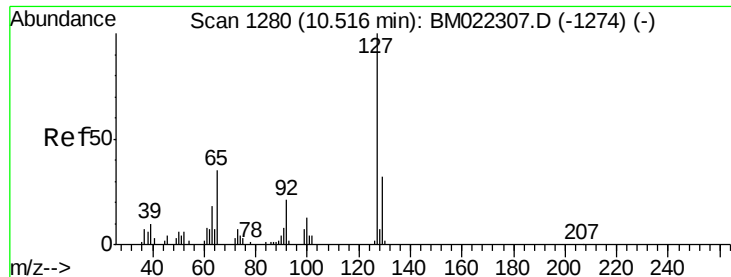
Tgt Ion: 77 Resp: 2010
Ion Ratio Lower Upper
77 100
123 35.3 31.0 46.4
65 70.4 12.2 18.2#



#24
2,4-Dimethylphenol
Concen: 7659.328 ng/ul
RT: 9.63 min Scan# 1129
Delta R.T. 0.11 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion: 107 Resp: 8916675
Ion Ratio Lower Upper
107 100
121 45.9 33.6 50.4
122 79.6 58.0 87.0

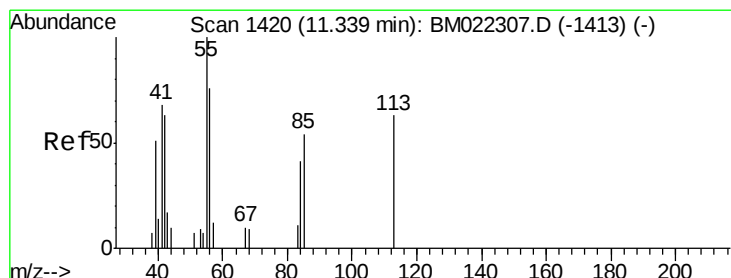
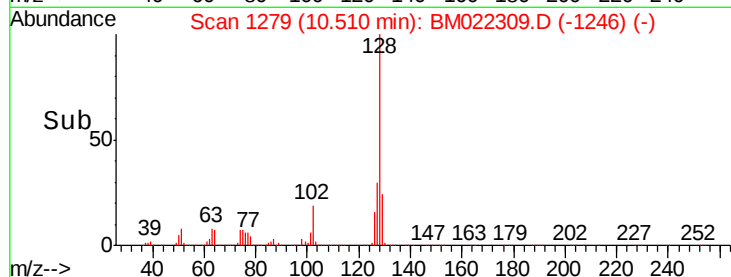
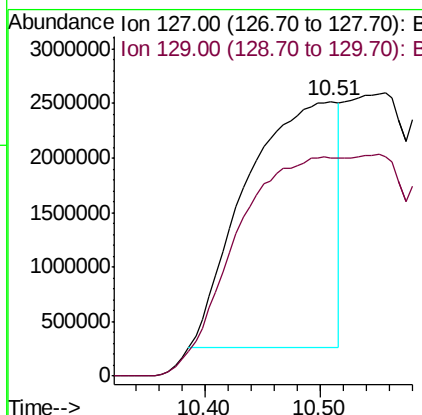
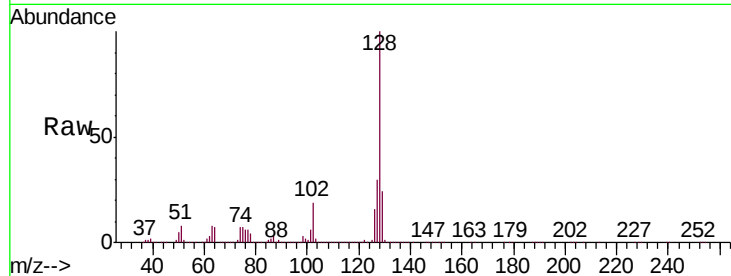




#30
 4-Chloroaniline
 Concen: 10600.770 ng/ul
 RT: 10.51 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

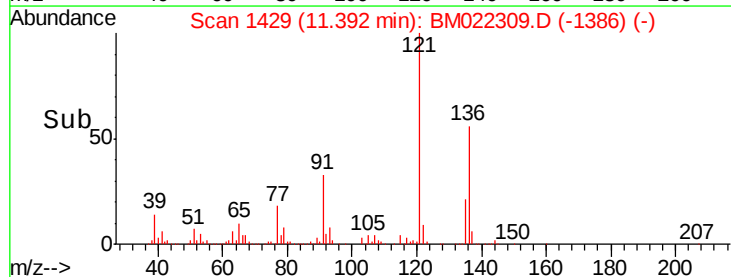
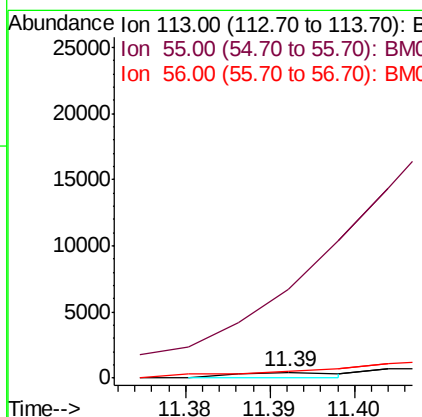
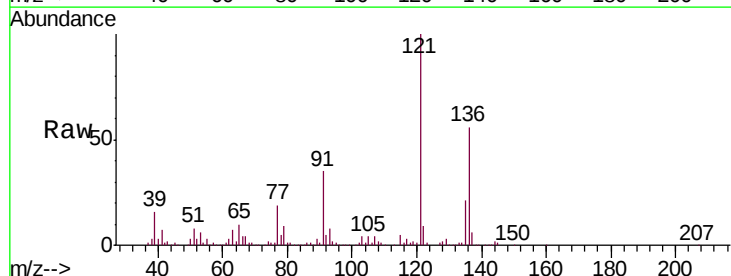
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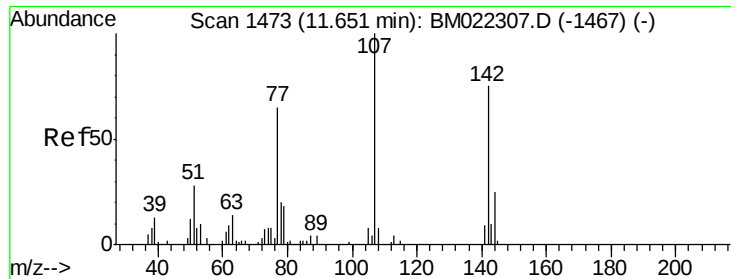
Tgt Ion:127 Resp:12346556
 Ion Ratio Lower Upper
 127 100
 129 79.4 24.2 36.4#



#32
 Caprolactam
 Concen: 1.310 ng/ul
 RT: 11.39 min Scan# 1429
 Delta R.T. 0.05 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

Tgt Ion:113 Resp: 379
 Ion Ratio Lower Upper
 113 100
 55 1458.7 111.6 167.4#
 56 113.4 104.6 157.0

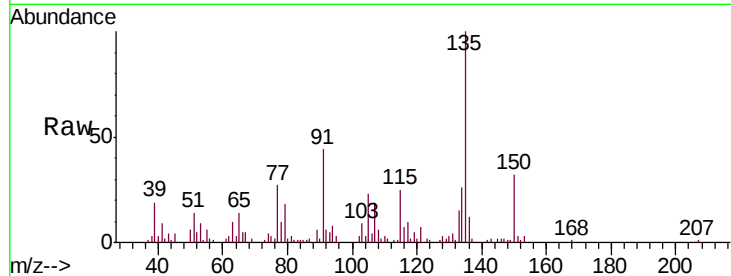




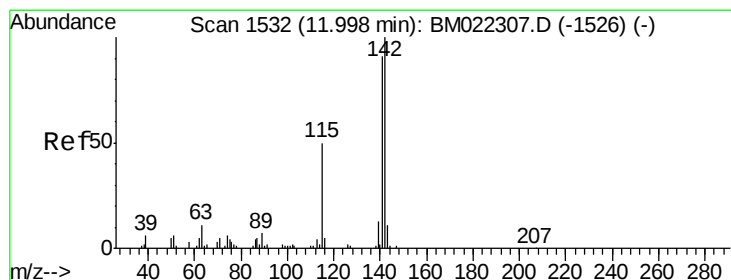
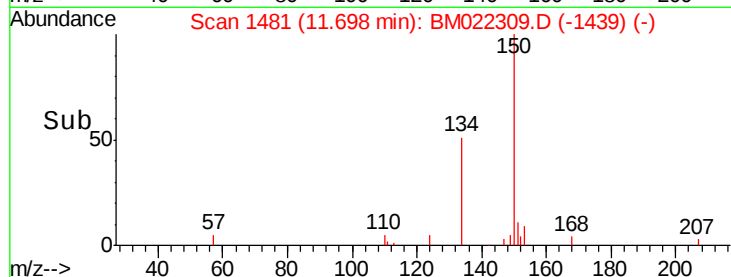
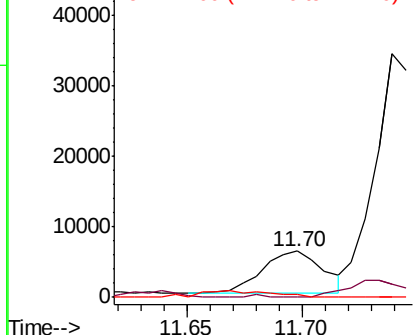
#33
 4-Chloro-3-methylphenol
 Concen: 10.446 ng/ul
 RT: 11.70 min Scan# 1481
 Delta R.T. 0.05 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

Instrument :
 BNA_M
 ClientSampleId :
 C0AD2

Tgt Ion:107 Resp: 10750
 Ion Ratio Lower Upper
 107 100
 144 0.0 19.8 29.8#
 142 5.1 61.5 92.3#

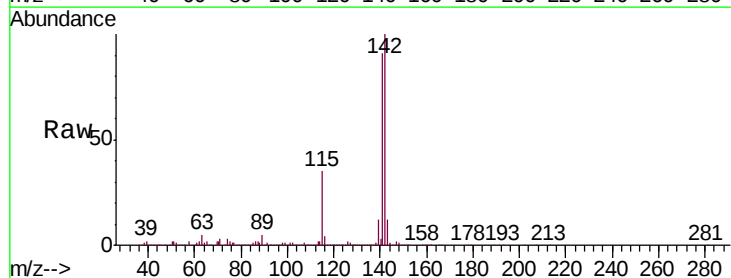


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

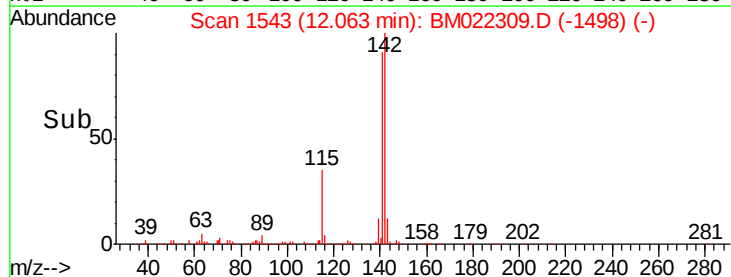
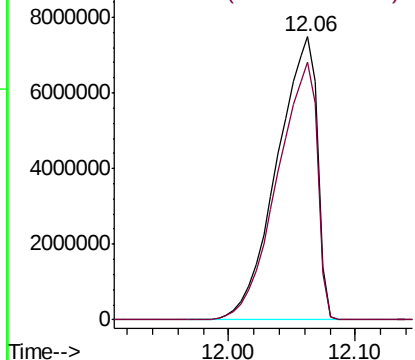


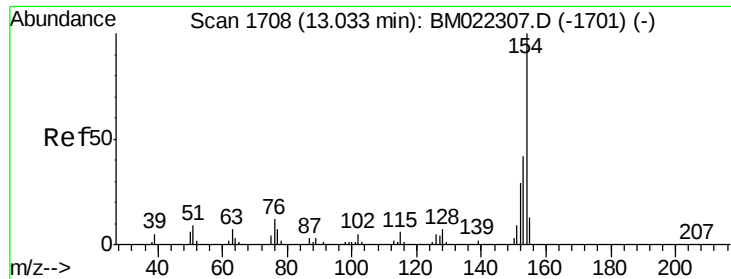
#34
 2-Methylnaphthalene
 Concen: 7500.202 ng/ul
 RT: 12.06 min Scan# 1543
 Delta R.T. 0.06 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

Tgt Ion:142 Resp:16608061
 Ion Ratio Lower Upper
 142 100
 141 91.1 75.1 112.7



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

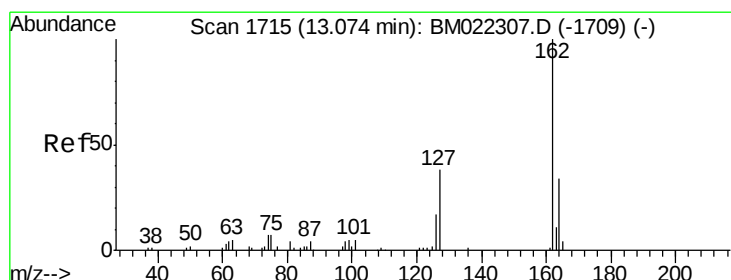
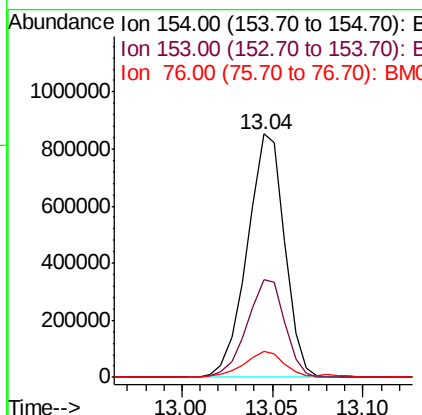
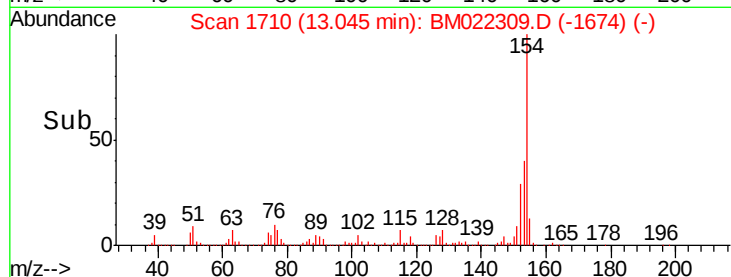
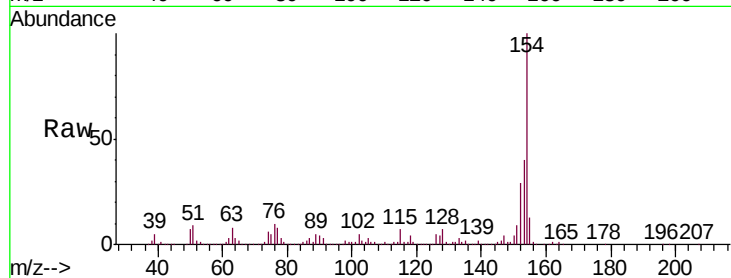




#40
 1,1'-Biphenyl
 Concen: 93.728 ng/ul
 RT: 13.04 min Scan# 1710
 Delta R.T. 0.01 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

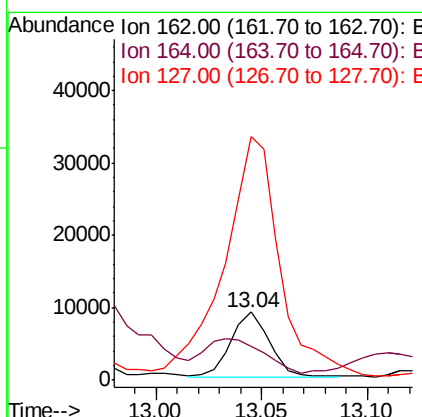
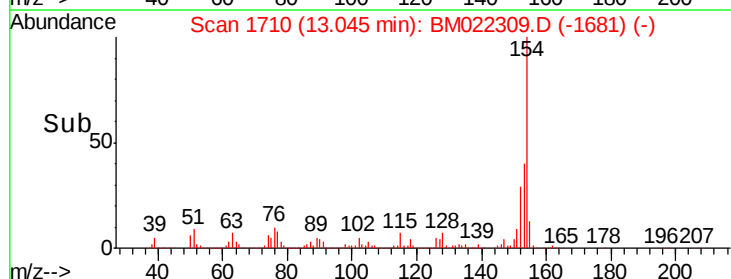
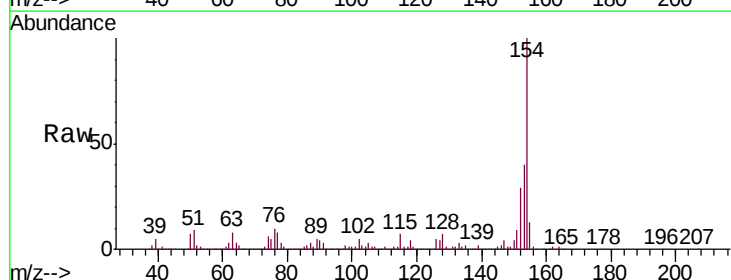
Instrument :
 BNA_M
 ClientSampleId :
 C0AD2

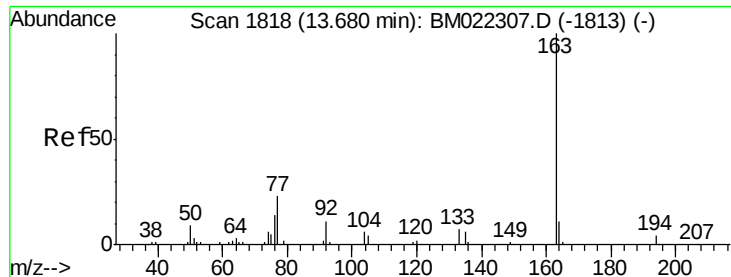
Tgt Ion:154 Resp: 1223190
 Ion Ratio Lower Upper
 154 100
 153 40.3 32.5 48.7
 76 10.4 9.2 13.8



#41
 2-Chloronaphthalene
 Concen: 1.139 ng/ul
 RT: 13.04 min Scan# 1710
 Delta R.T. -0.03 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

Tgt Ion:162 Resp: 11586
 Ion Ratio Lower Upper
 162 100
 164 49.4 25.4 38.2#
 127 359.1 32.5 48.7#

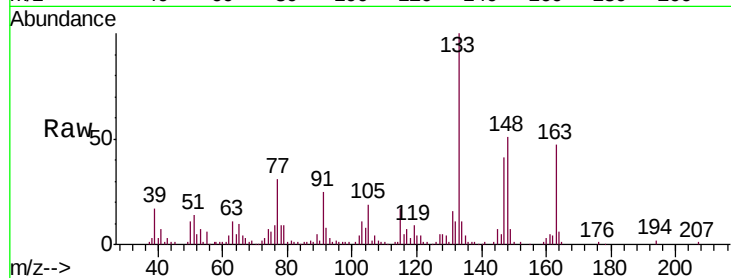




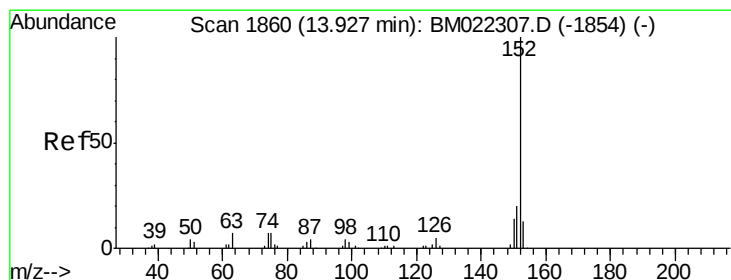
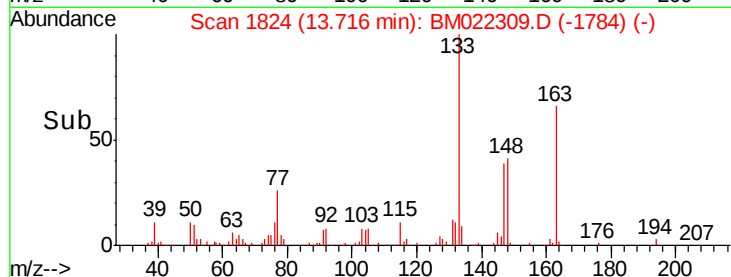
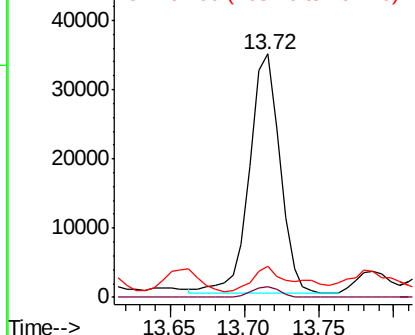
#44
Dimethylphthalate
Concen: 3.390 ng/ul
RT: 13.72 min Scan# 1824
Delta R.T. 0.04 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Instrument :
BNA_M
ClientSampleId :
C0AD2

Tgt Ion:163 Resp: 48714
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.6
164 12.6 7.8 11.8#

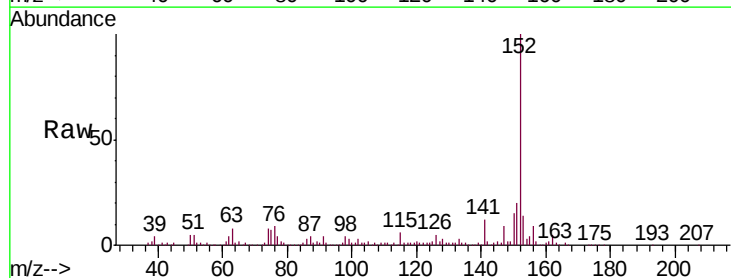


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

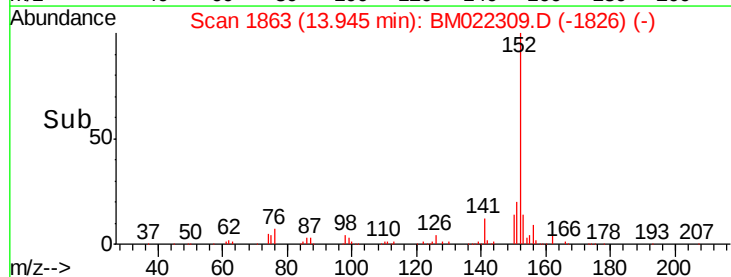
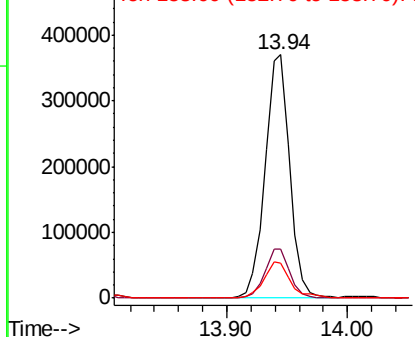


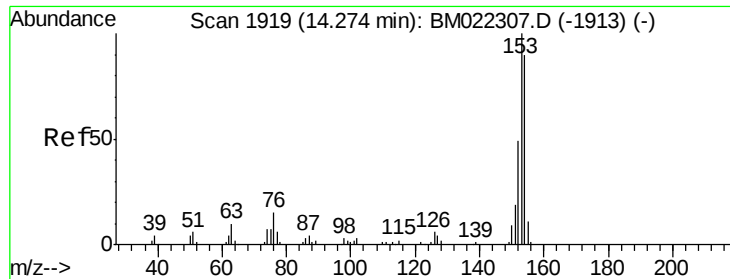
#47
Acenaphthylene
Concen: 33.127 ng/ul
RT: 13.94 min Scan# 1863
Delta R.T. 0.02 min
Lab File: BM022309.D
Acq: 25 Aug 2019 01:43

Tgt Ion:152 Resp: 522509
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 14.1 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: 344.640 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.02 min

Lab File: BM022309.D

Acq: 25 Aug 2019 01:43

Instrument :

BNA_M

ClientSampleId :

C0AD2

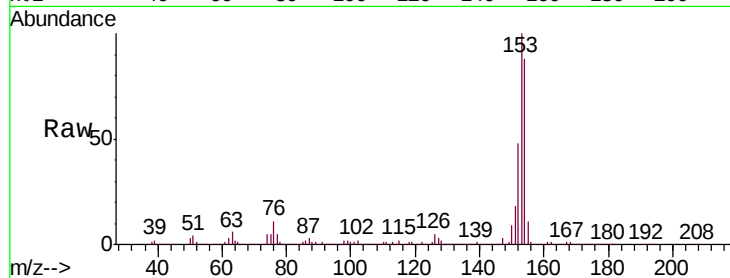
Tgt Ion:153 Resp: 3859409

Ion Ratio Lower Upper

153 100

152 47.5 38.6 58.0

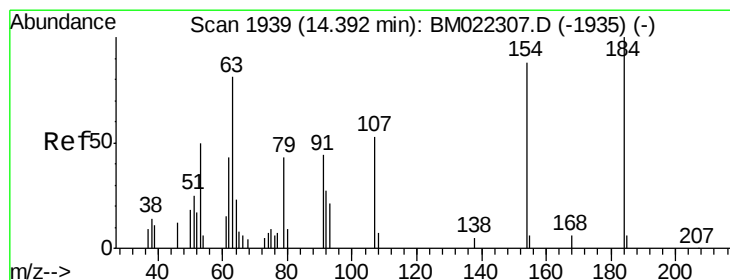
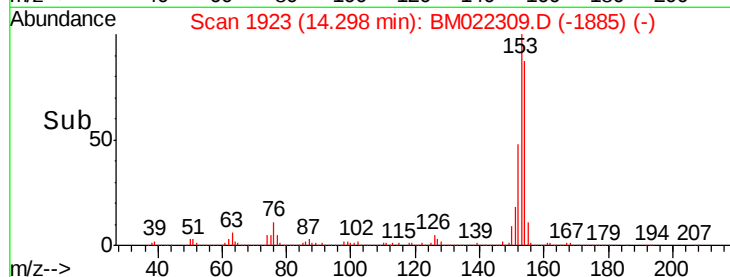
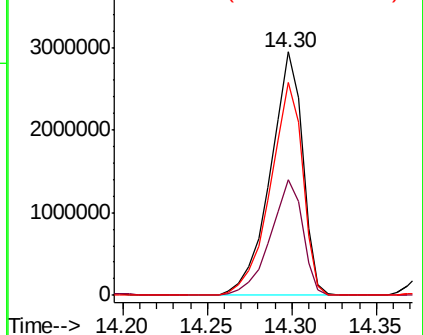
154 87.5 68.9 103.3



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



#50

2,4-Dinitrophenol

Concen: 6.257 ng/ul

RT: 14.53 min Scan# 1963

Delta R.T. 0.14 min

Lab File: BM022309.D

Acq: 25 Aug 2019 01:43

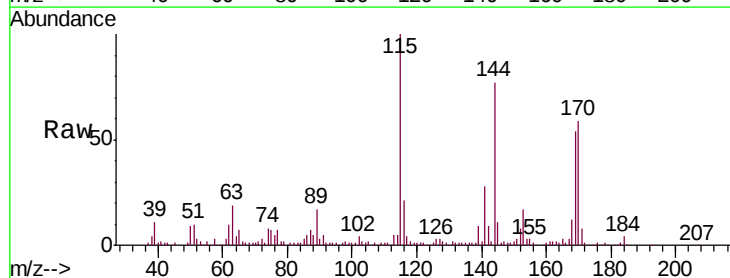
Tgt Ion:184 Resp: 10325

Ion Ratio Lower Upper

184 100

63 552.0 63.4 95.0#

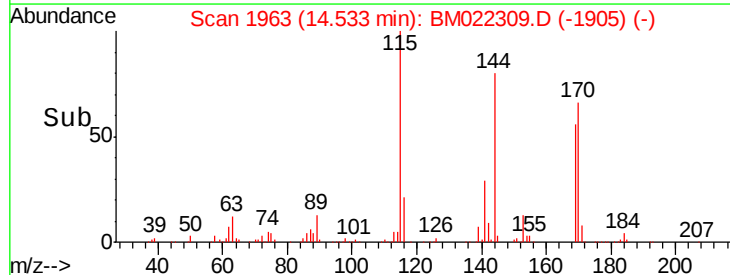
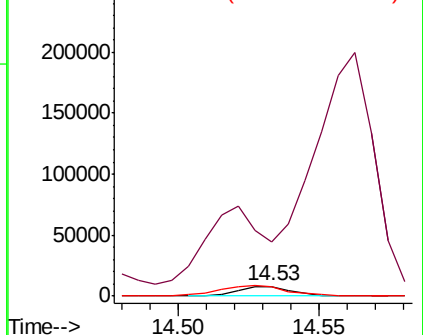
154 93.4 72.6 108.8

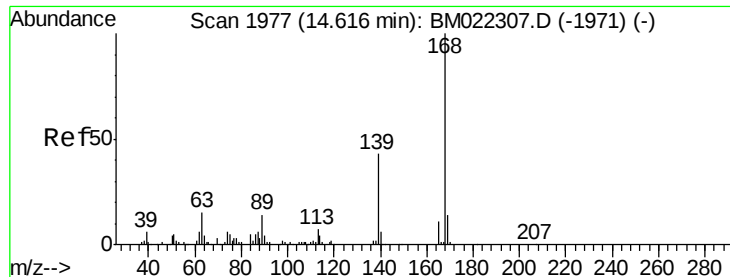


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 257.769 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.02 min

Lab File: BM022309.D

Acq: 25 Aug 2019 01:43

Instrument :

BNA_M

ClientSampleId :

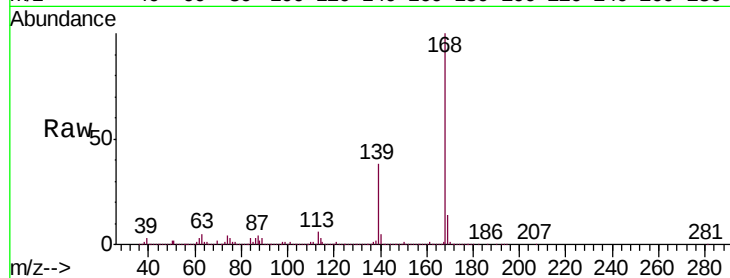
C0AD2

Tgt Ion:168 Resp: 4299326

Ion Ratio Lower Upper

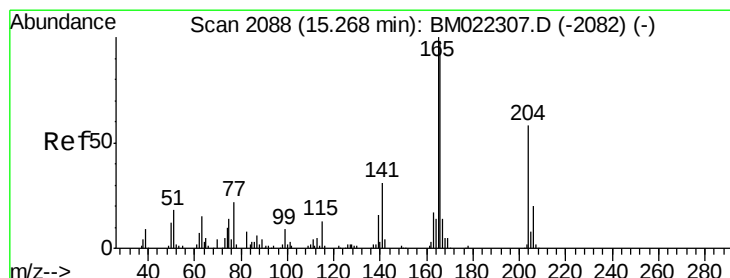
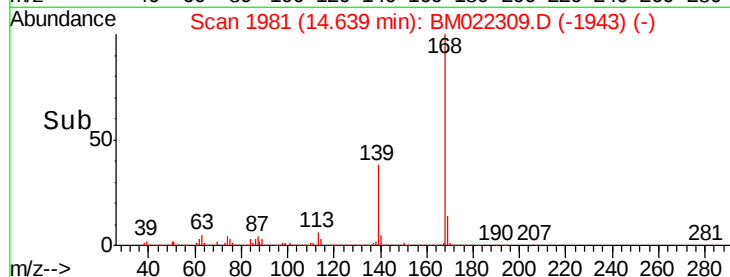
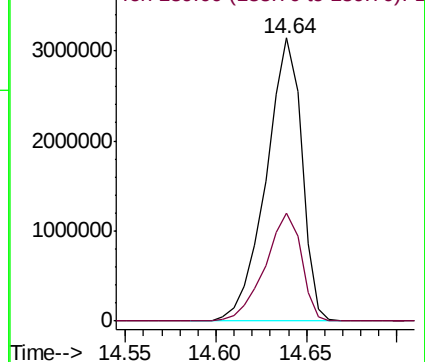
168 100

139 38.3 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: 236.359 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.02 min

Lab File: BM022309.D

Acq: 25 Aug 2019 01:43

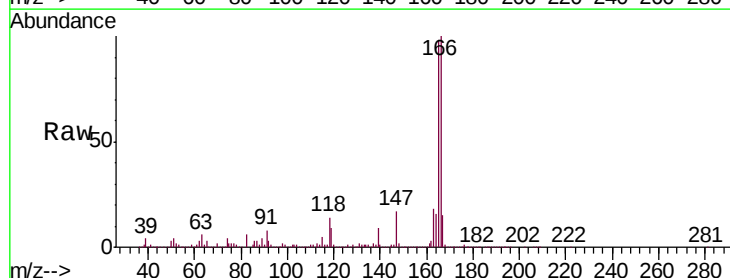
Tgt Ion:166 Resp: 3320398

Ion Ratio Lower Upper

166 100

165 98.4 80.2 120.2

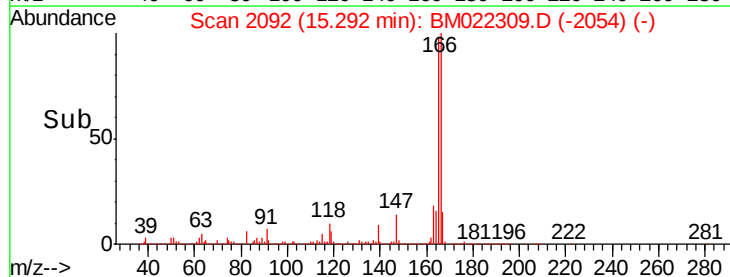
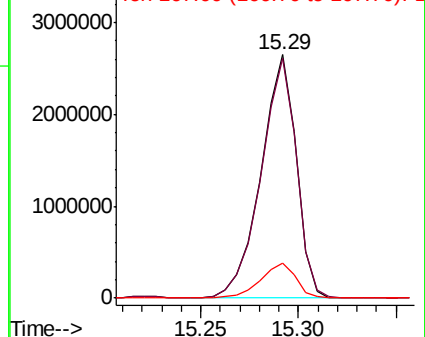
167 14.6 11.4 17.0

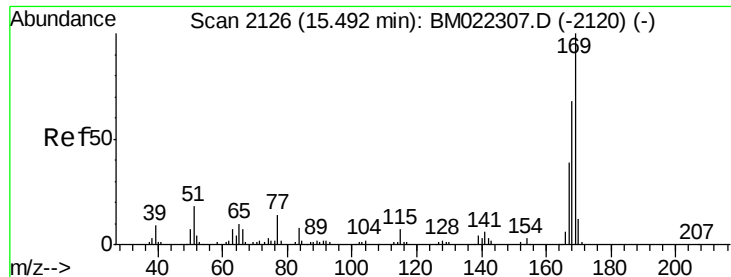


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



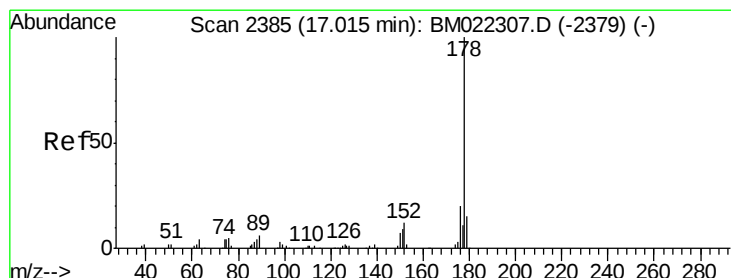
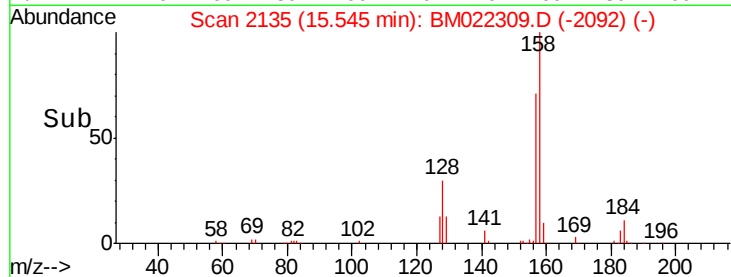
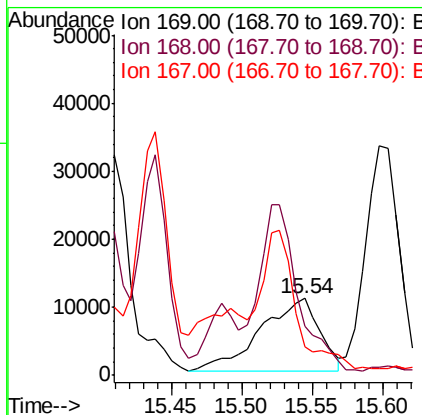
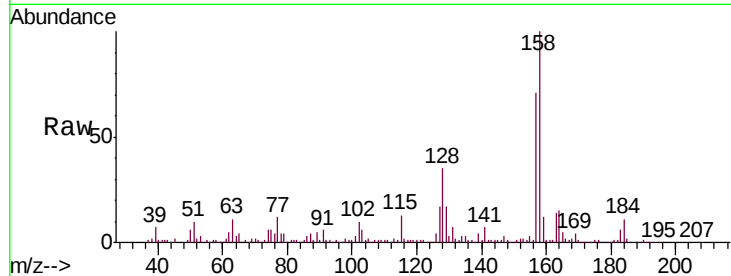


#64

N-Nitrosodiphenylamine
 Concen: 2.564 ng/ul
 RT: 15.54 min Scan# 2135
 Delta R.T. 0.05 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

Instrument :
 BNA_M
 ClientSampleId :
 C0AD2

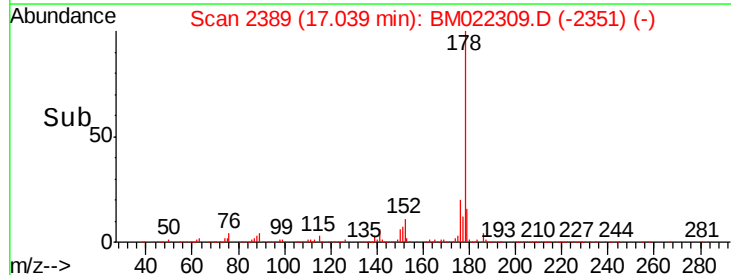
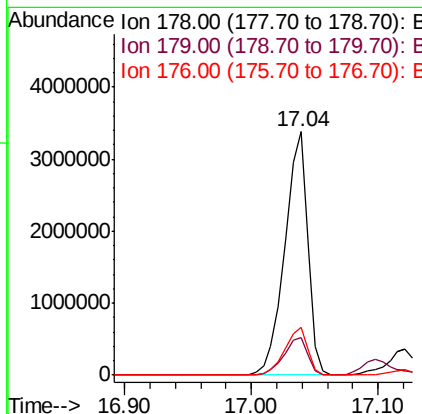
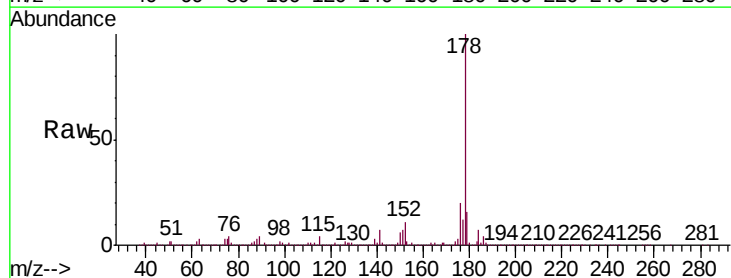
Tgt Ion:169 Resp: 31062
 Ion Ratio Lower Upper
 169 100
 168 63.3 55.7 83.5
 167 36.9 30.8 46.2

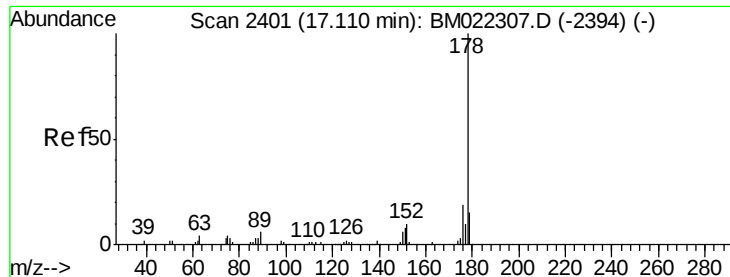


#69

Phenanthrene
 Concen: 180.396 ng/ul
 RT: 17.04 min Scan# 2389
 Delta R.T. 0.02 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

Tgt Ion:178 Resp: 4195342
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.4 18.6
 176 19.7 15.4 23.0

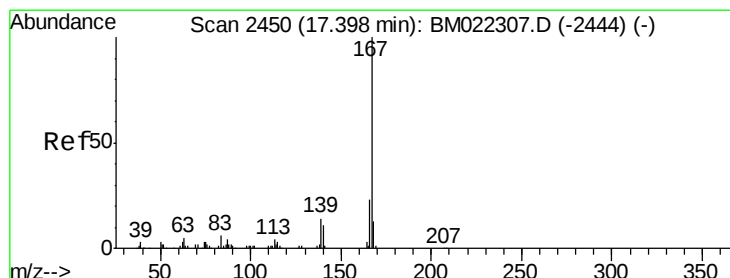
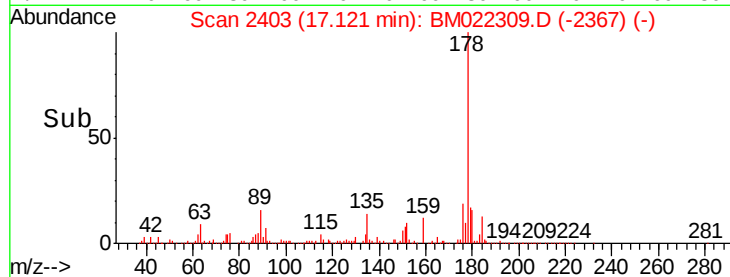
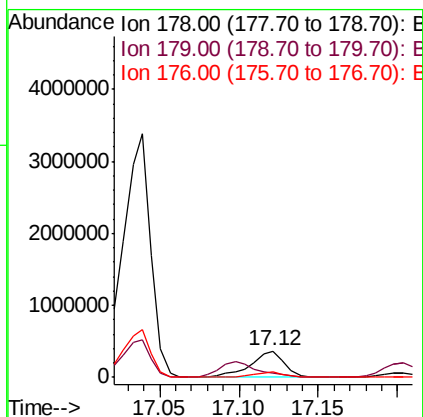
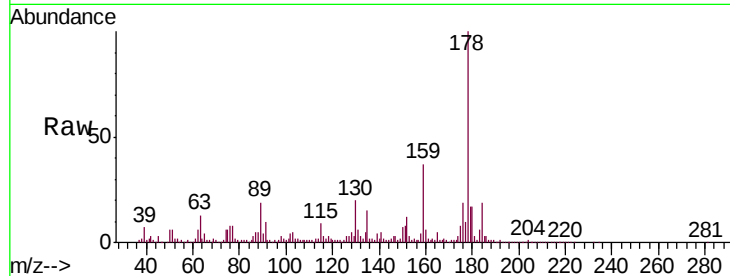




#71
 Anthracene
 Concen: 22.555 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

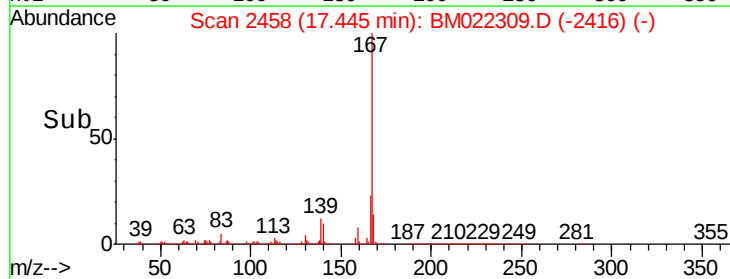
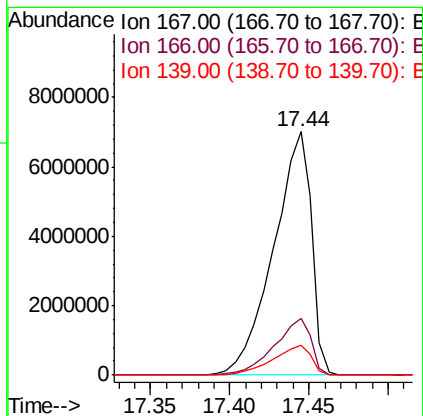
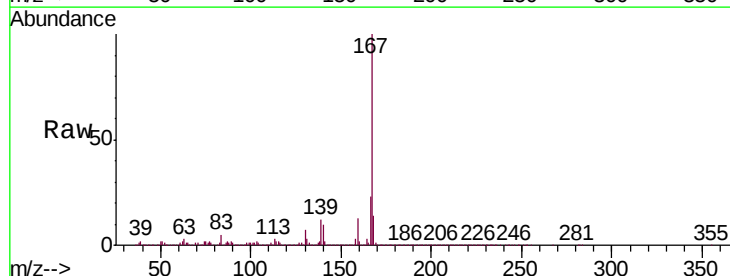
Instrument :
 BNA_M
 ClientSampleId :
 C0AD2

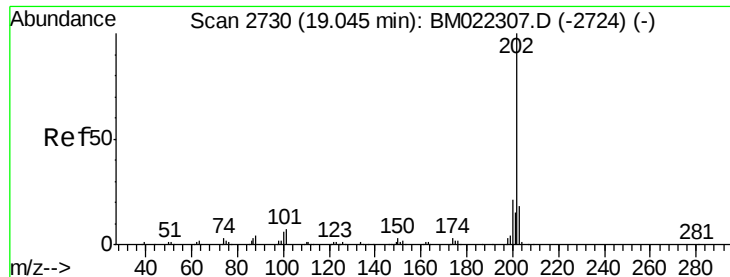
Tgt Ion:178 Resp: 545849
 Ion Ratio Lower Upper
 178 100
 179 17.4 12.3 18.5
 176 19.5 15.5 23.3



#74
 Carbazole
 Concen: 531.384 ng/ul
 RT: 17.44 min Scan# 2458
 Delta R.T. 0.05 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

Tgt Ion:167 Resp:11615423
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.8 26.8
 139 12.4 11.8 17.8

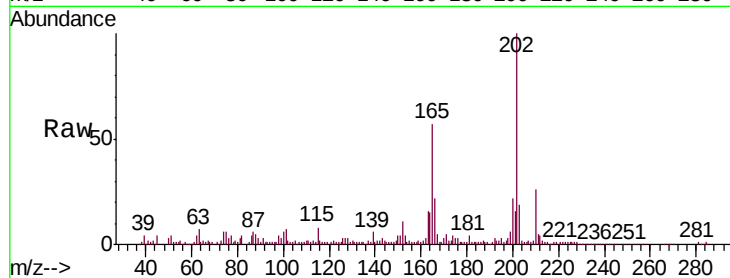




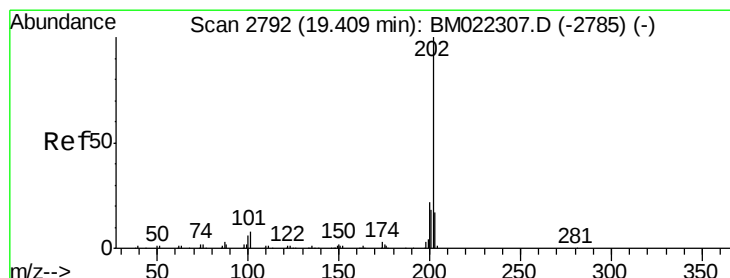
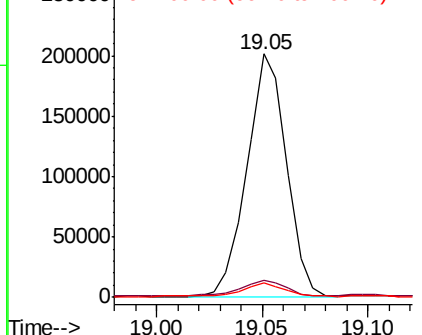
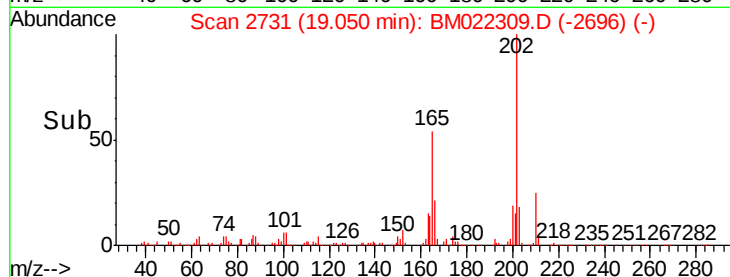
#76
 Fluoranthene
 Concen: 7.397 ng/ul
 RT: 19.05 min Scan# 2731
 Delta R.T. 0.01 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

Instrument :
 BNA_M
 ClientSampleId :
 C0AD2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	5.3	7.9
100	5.9	4.6	6.8

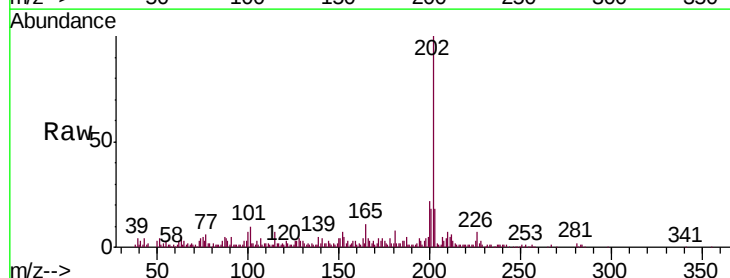


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



#79
 Pyrene
 Concen: 8.232 ng/ul
 RT: 19.42 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: BM022309.D
 Acq: 25 Aug 2019 01:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.0	10.4
100	7.0	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

