

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
 Data File : BM038683.D
 Acq On : 03 Feb 2023 17:34
 Operator : CG/JU
 Sample : 01375-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MANHOLE

Quant Time: Feb 04 05:21:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 04 05:17:53 2023
 Response via : Initial Calibration

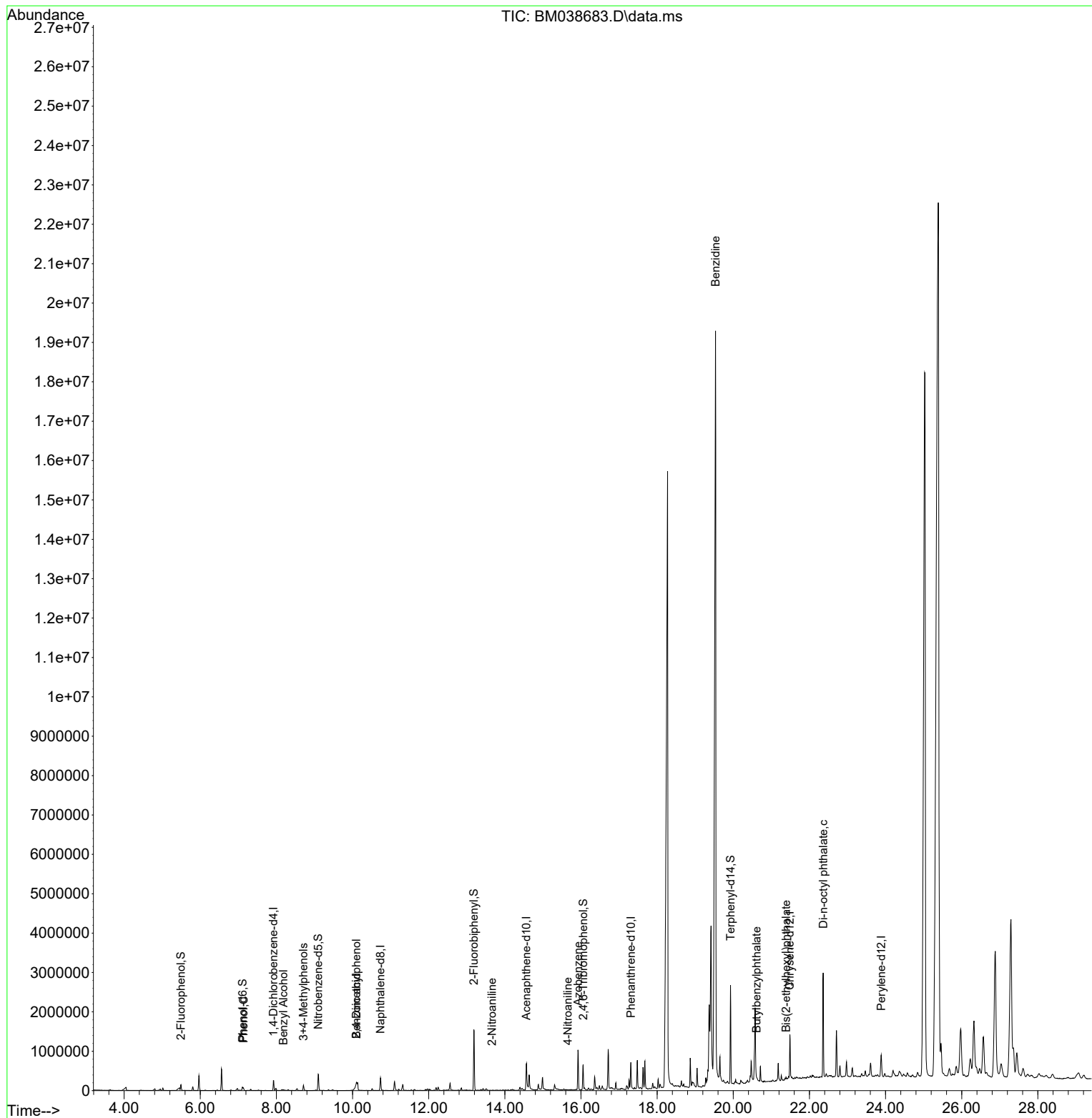
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	74523	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	263133	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	193294	20.000	ng	0.00
64) Phenanthrene-d10	17.309	188	403010	20.000	ng	0.00
76) Chrysene-d12	21.486	240	323927	20.000	ng	0.00
86) Perylene-d12	23.886	264	389917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	63185	16.609	ng	0.01
7) Phenol-d6	7.110	99	47760	11.007	ng	0.01
23) Nitrobenzene-d5	9.098	82	228902	49.411	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	117402	44.686	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	803364	52.912	ng	0.00
79) Terphenyl-d14	19.927	244	1018928	55.509	ng	0.00
Target Compounds						
10) Phenol	7.134	94	33553	7.655	ng	97
15) Benzyl Alcohol	8.181	79	8925	2.795	ng	86
20) 3+4-Methylphenols	8.710	107	55039	12.278	ng	92
27) 2,4-Dimethylphenol	10.098	122	77386	20.499	ng	# 3
32) Benzoic acid	10.098	122	77386	25.324	ng	95
48) 2-Nitroaniline	13.663	65	191	2.238	ng	# 1
62) 4-Nitroaniline	15.657	138	1124	2.170	ng	# 12
63) Azobenzene	15.921	77	252127	21.930	ng	# 1
77) Benzidine	19.533	184	5749	3.666	ng	# 1
80) Butylbenzylphthalate	20.615	149	2992	2.176	ng	# 54
84) Bis(2-ethylhexyl)phtha...	21.386	149	21390	2.643	ng	# 98
85) Di-n-octyl phthalate	22.362	149	454844	15.494	ng	# 57

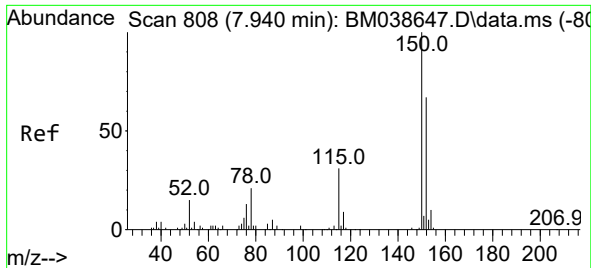
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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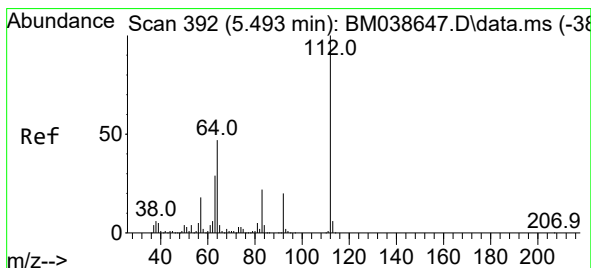
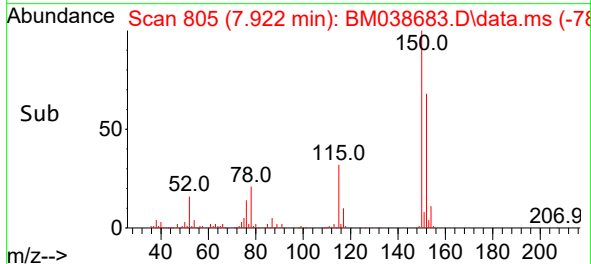
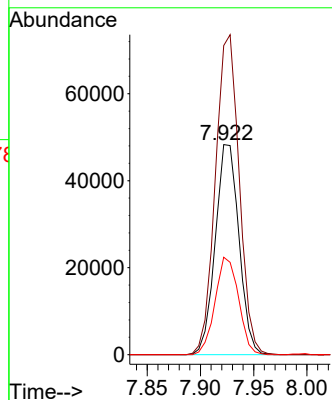
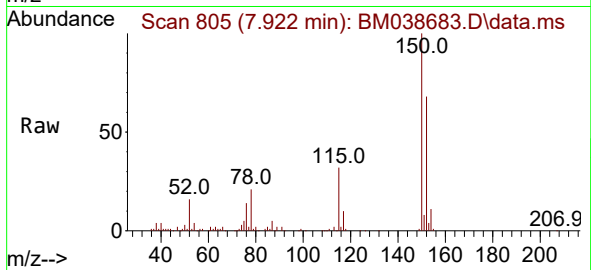




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 808
Delta R.T. -0.000 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

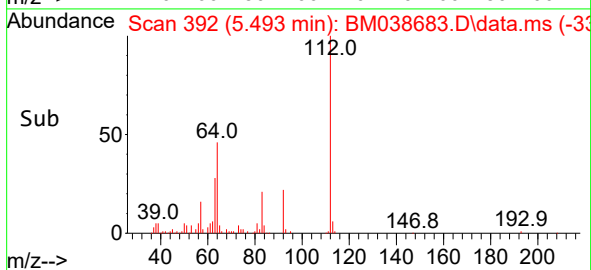
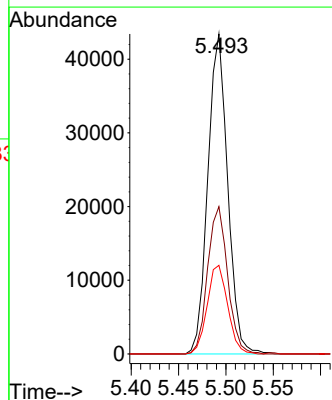
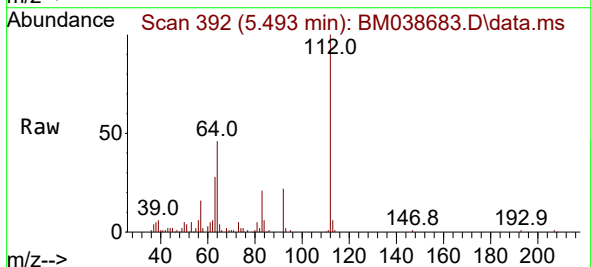
Instrument :
BNA_M
ClientSampleId :
MANHOLE

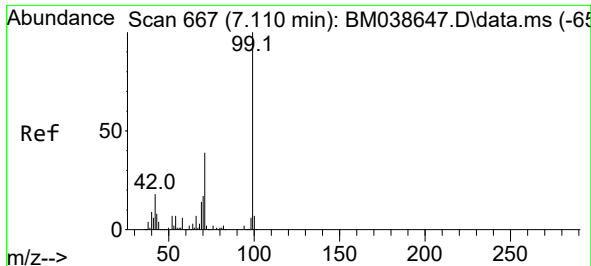
Tgt Ion:152 Resp: 74523
Ion Ratio Lower Upper
152 100
150 147.1 119.5 179.3
115 46.4 37.6 56.4



#5
2-Fluorophenol
Concen: 16.609 ng
RT: 5.493 min Scan# 392
Delta R.T. 0.012 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

Tgt Ion:112 Resp: 63185
Ion Ratio Lower Upper
112 100
64 46.0 37.9 56.9
63 27.7 23.3 34.9

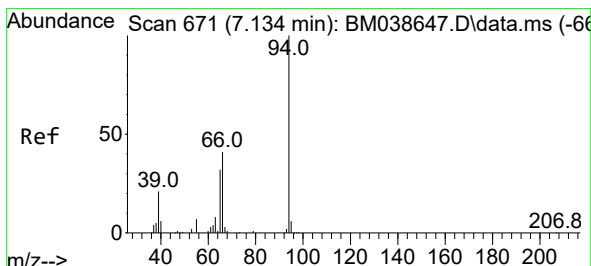
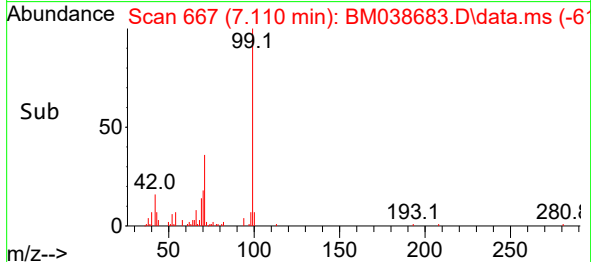
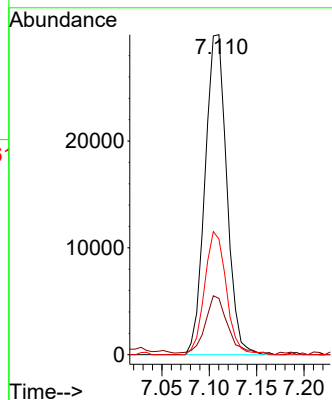
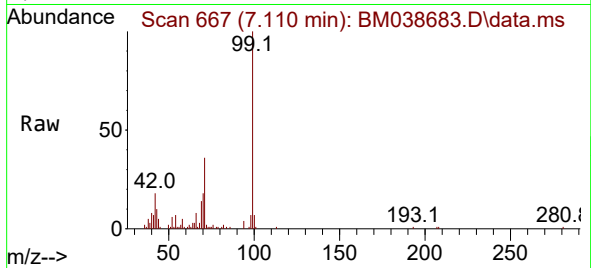




#7
Phenol-d6
Concen: 11.007 ng
RT: 7.110 min Scan# 667
Delta R.T. 0.012 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

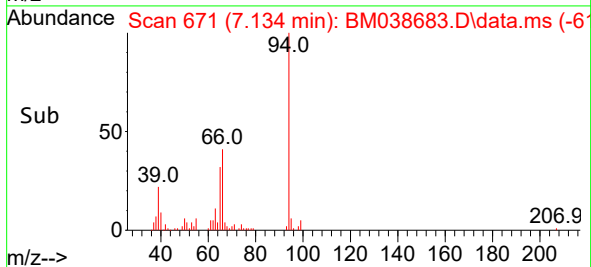
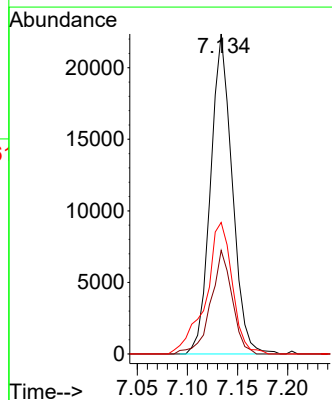
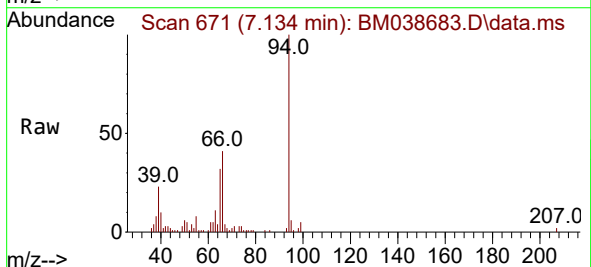
Instrument :
BNA_M
ClientSampleId :
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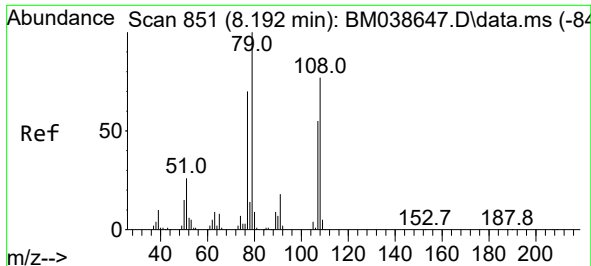
Tgt Ion: 99 Resp: 47760
Ion Ratio Lower Upper
99 100
42 17.6 14.6 22.0
71 36.2 31.0 46.4



#10
Phenol
Concen: 7.655 ng
RT: 7.134 min Scan# 671
Delta R.T. 0.006 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

Tgt Ion: 94 Resp: 33553
Ion Ratio Lower Upper
94 100
65 32.3 12.3 52.3
66 41.1 24.2 64.2

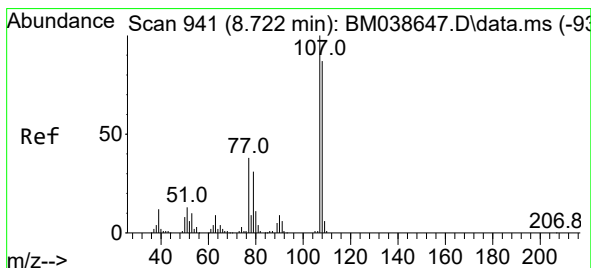
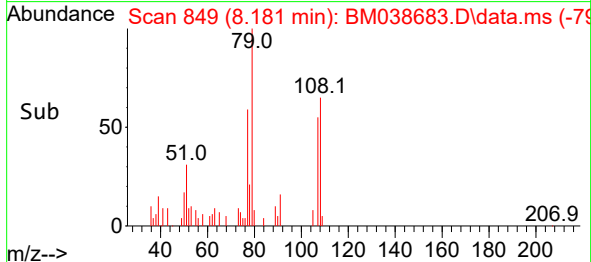
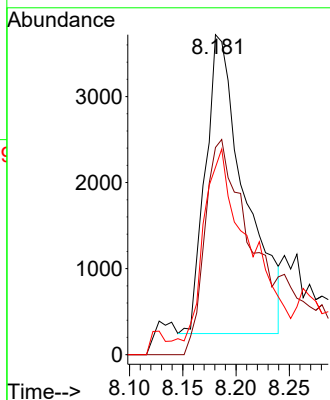
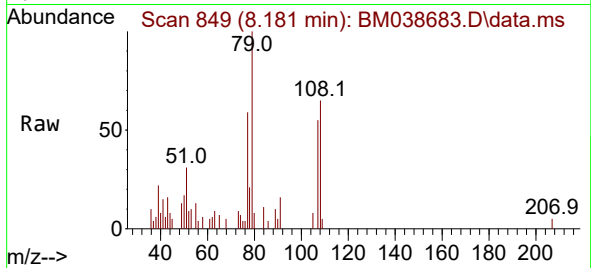




#15
Benzyl Alcohol
Concen: 2.795 ng
RT: 8.181 min Scan# 84
Delta R.T. 0.006 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

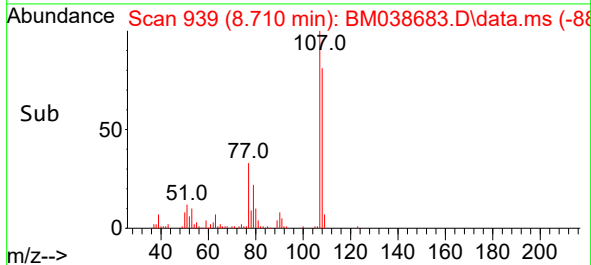
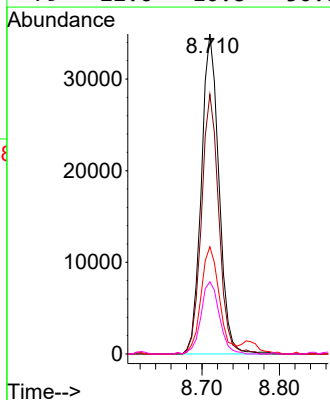
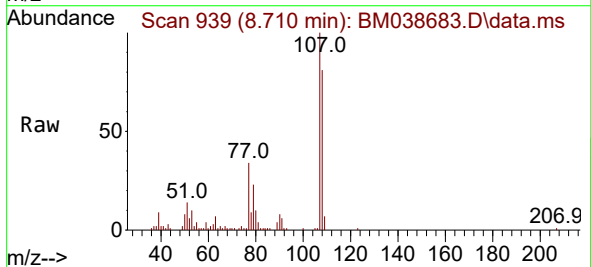
Instrument :
BNA_M
ClientSampleId :
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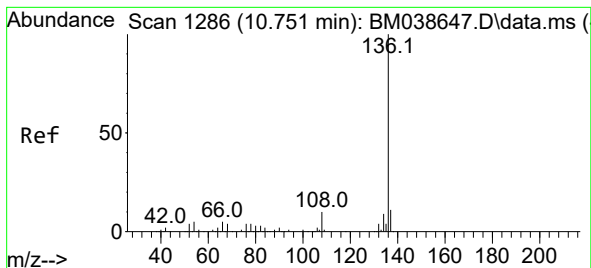
Tgt Ion: 79 Resp: 8925
Ion Ratio Lower Upper
79 100
108 64.7 61.9 92.9
77 58.6 55.8 83.8



#20
3+4-Methylphenols
Concen: 12.278 ng
RT: 8.710 min Scan# 939
Delta R.T. -0.000 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

Tgt Ion: 107 Resp: 55039
Ion Ratio Lower Upper
107 100
108 81.1 67.2 107.2
77 33.5 17.5 57.5
79 22.6 10.8 50.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.733 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM038683.D

Acq: 03 Feb 2023 17:34

Instrument :

BNA_M

ClientSampleId :

MANHOLE

Tgt Ion:136 Resp: 263133

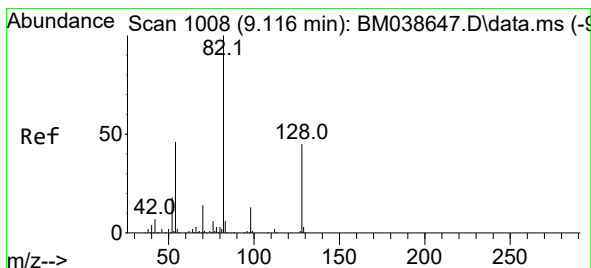
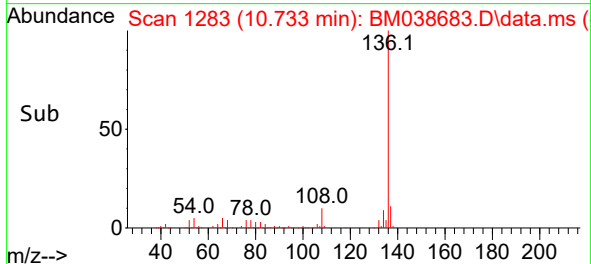
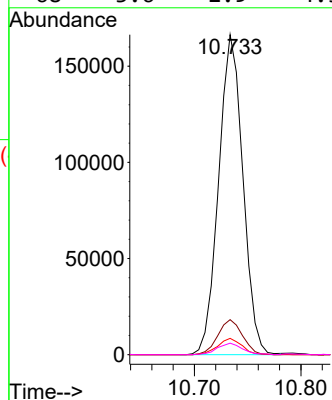
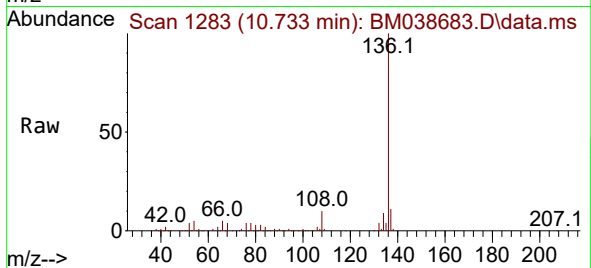
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 5.1 4.2 6.4

68 3.6 2.9 4.3



#23

Nitrobenzene-d5

Concen: 49.411 ng

RT: 9.098 min Scan# 1005

Delta R.T. -0.000 min

Lab File: BM038683.D

Acq: 03 Feb 2023 17:34

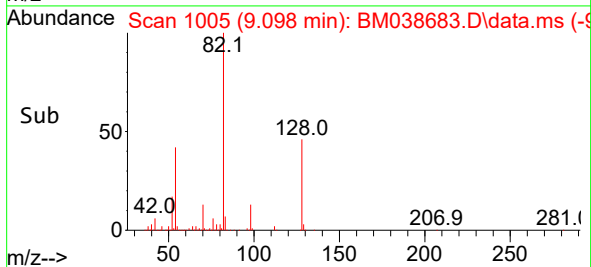
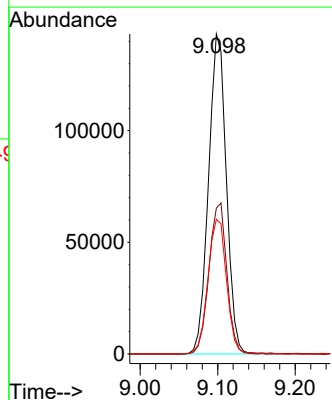
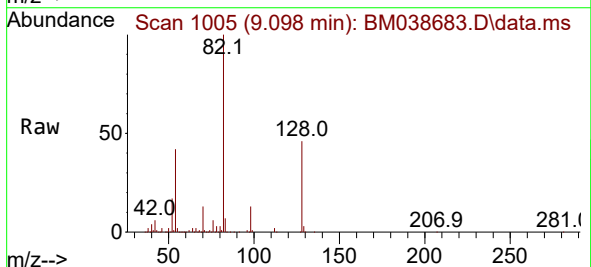
Tgt Ion: 82 Resp: 228902

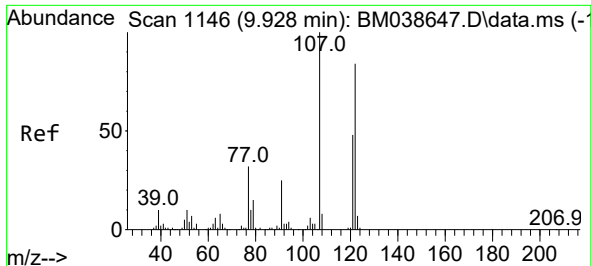
Ion Ratio Lower Upper

82 100

128 45.6 36.0 54.0

54 42.1 36.8 55.2

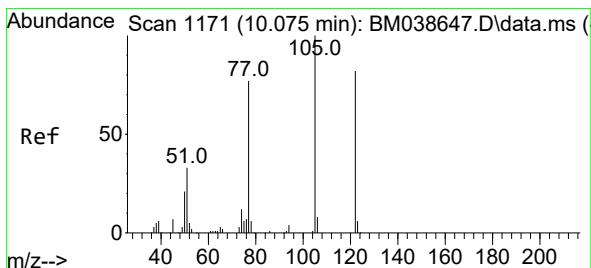
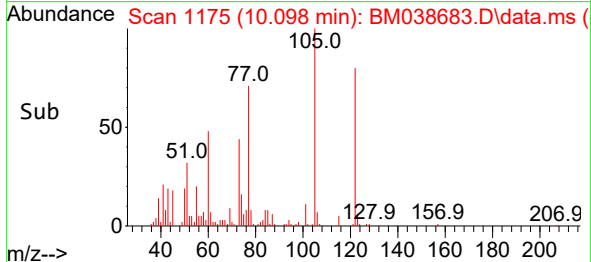
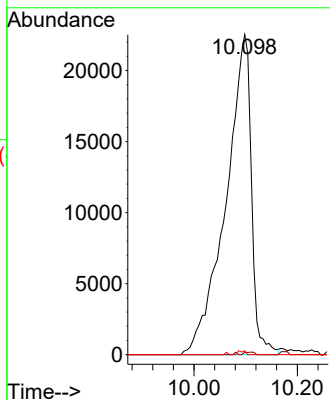
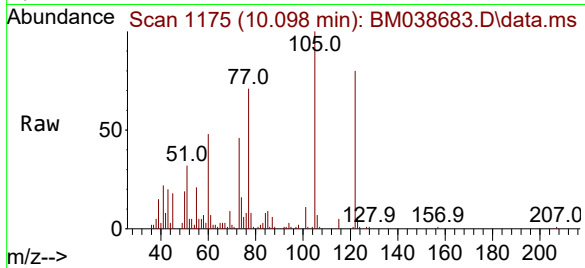




#27
2,4-Dimethylphenol
Concen: 20.499 ng
RT: 10.098 min Scan# 1146
Delta R.T. 0.182 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

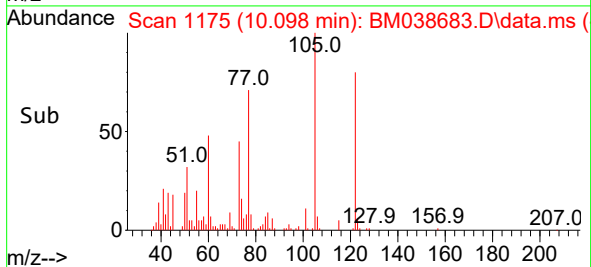
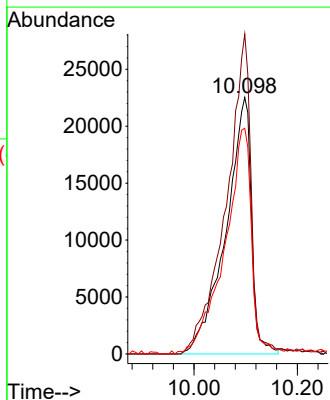
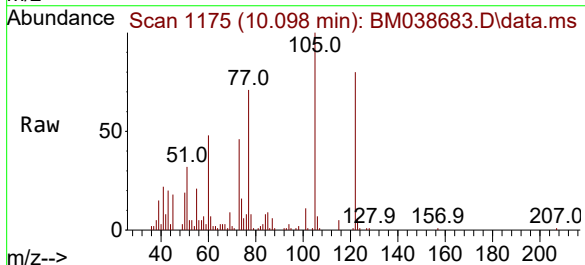
Instrument :
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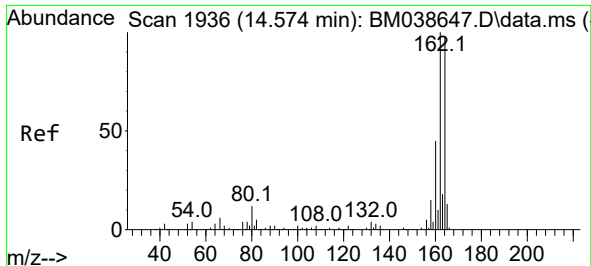
Tgt Ion:122 Resp: 77386
Ion Ratio Lower Upper
122 100
107 0.7 94.9 142.3#
121 1.2 45.5 68.3#



#32
Benzoic acid
Concen: 25.324 ng
RT: 10.098 min Scan# 1175
Delta R.T. 0.029 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

Tgt Ion:122 Resp: 77386
Ion Ratio Lower Upper
122 100
105 124.8 99.2 139.2
77 88.1 72.3 112.3

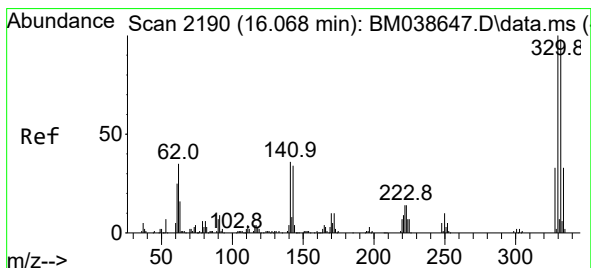
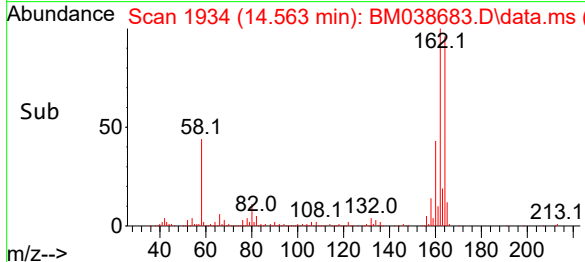
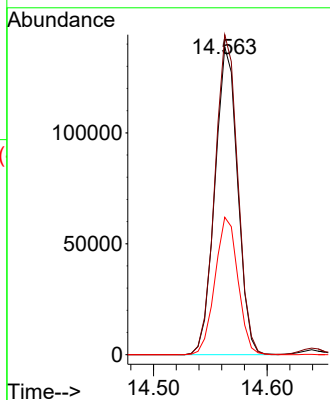
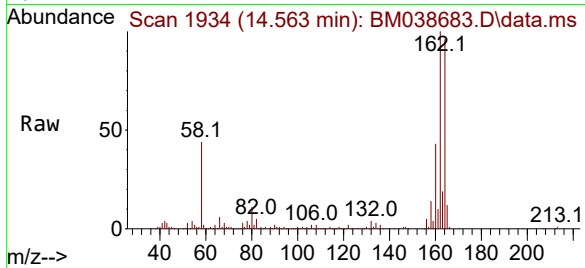




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

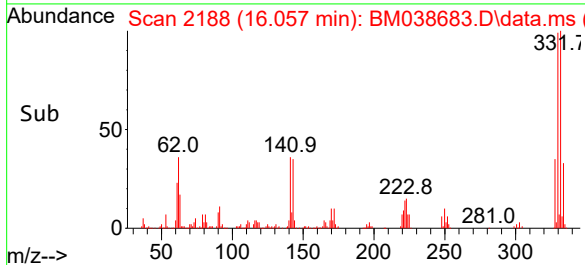
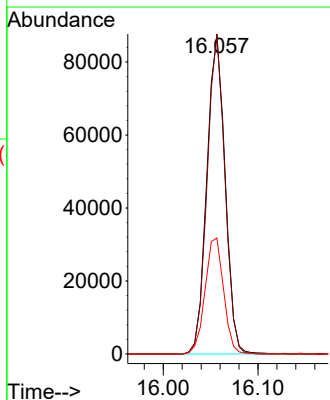
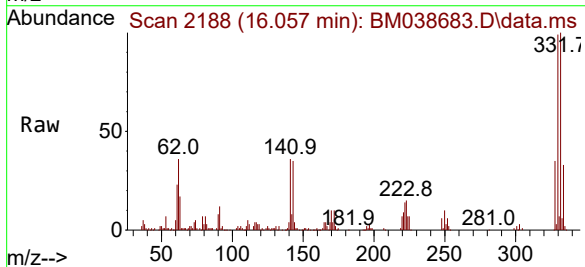
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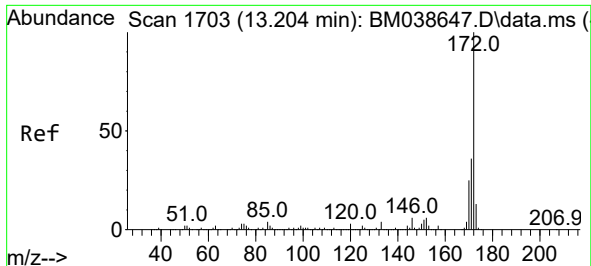
Tgt Ion:164 Resp: 193294
Ion Ratio Lower Upper
164 100
162 104.0 81.4 122.0
160 44.7 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 44.686 ng
RT: 16.057 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

Tgt Ion:330 Resp: 117402
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.6
141 37.0 31.0 46.6

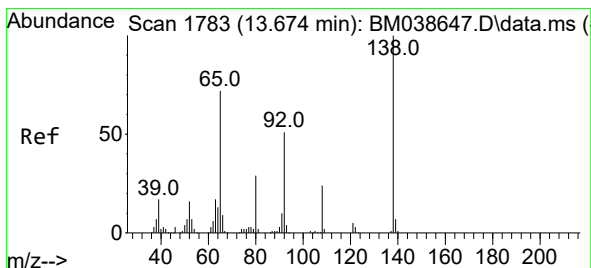
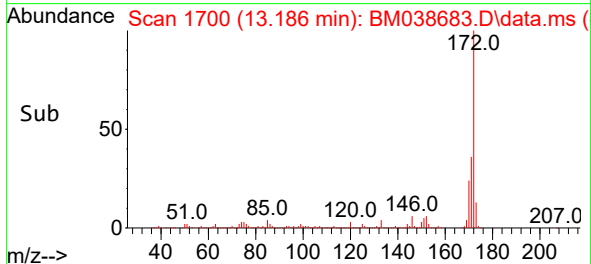
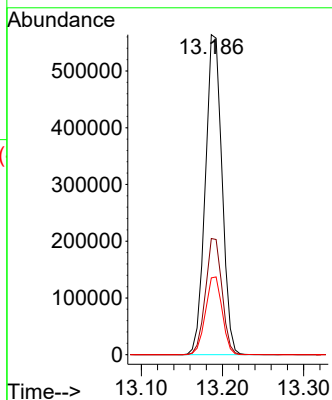
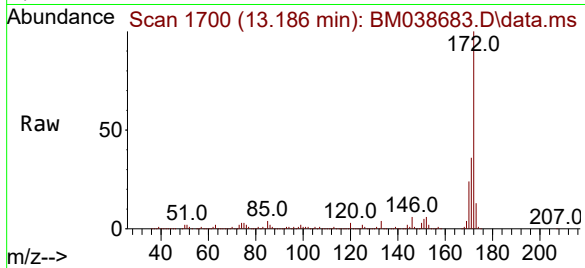




#45
2-Fluorobiphenyl
Concen: 52.912 ng
RT: 13.186 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

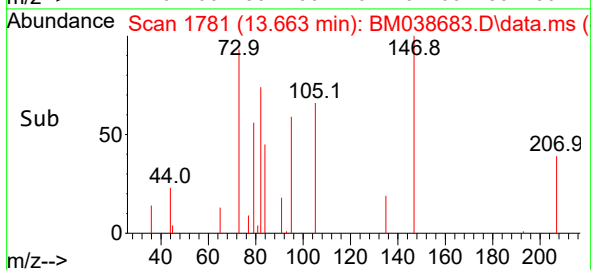
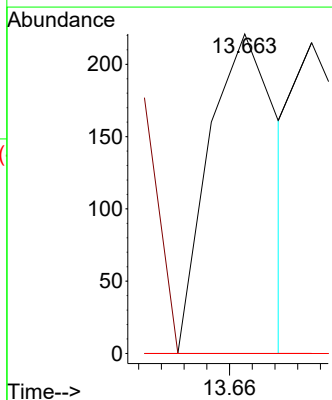
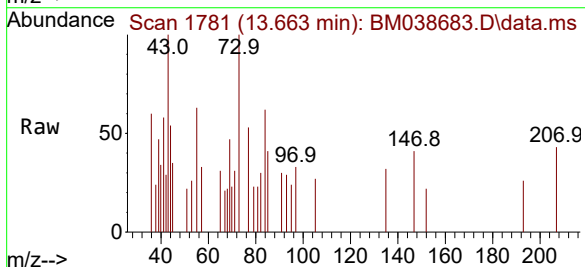
Instrument :
BNA_M
ClientSampleId :
MANHOLE

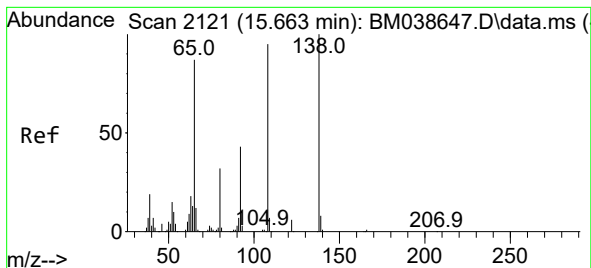
Tgt Ion:172 Resp: 803364
Ion Ratio Lower Upper
172 100
171 36.3 28.7 43.1
170 24.0 20.0 30.0



#48
2-Nitroaniline
Concen: 2.238 ng
RT: 13.663 min Scan# 1781
Delta R.T. -0.000 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

Tgt Ion: 65 Resp: 191
Ion Ratio Lower Upper
65 100
92 0.0 55.9 83.9#
138 0.0 110.6 166.0#

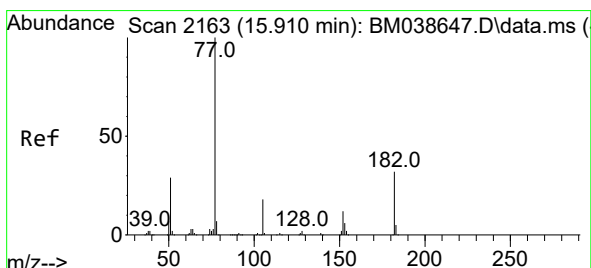
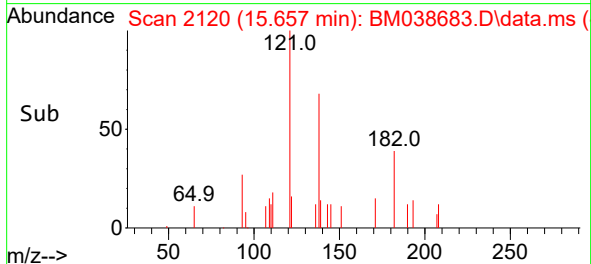
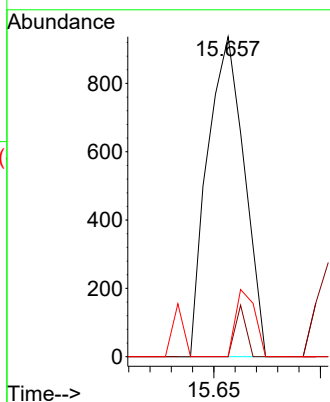
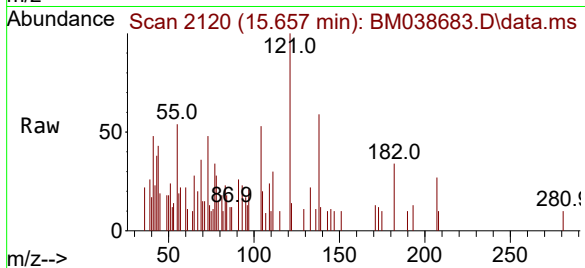




#62
4-Nitroaniline
Concen: 2.170 ng
RT: 15.657 min Scan# 2121
Delta R.T. 0.006 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

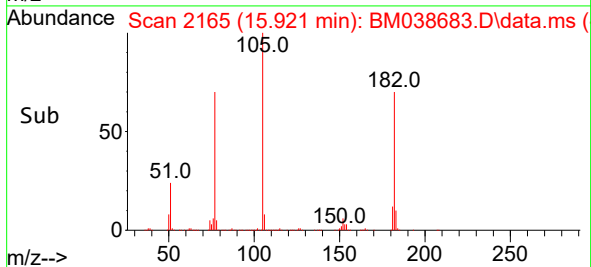
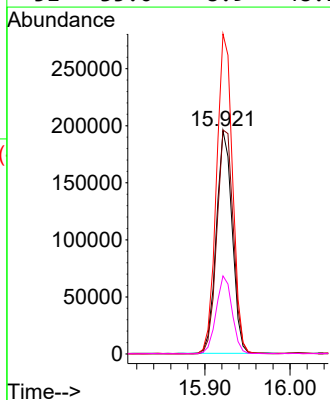
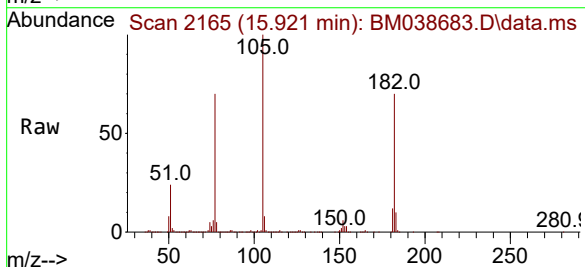
Instrument :
BNA_M
ClientSampleId :
MANHOLE

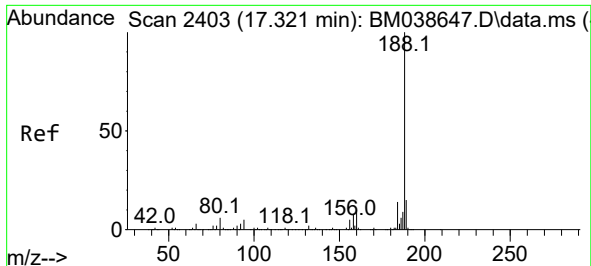
Tgt Ion:138 Resp: 1124
Ion Ratio Lower Upper
138 100
92 0.0 23.4 63.4#
108 0.0 75.1 115.1#



#63
Azobenzene
Concen: 21.930 ng
RT: 15.921 min Scan# 2165
Delta R.T. 0.023 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

Tgt Ion: 77 Resp: 252127
Ion Ratio Lower Upper
77 100
182 100.3 12.0 52.0#
105 143.3 0.0 37.5#
51 35.0 8.9 48.9

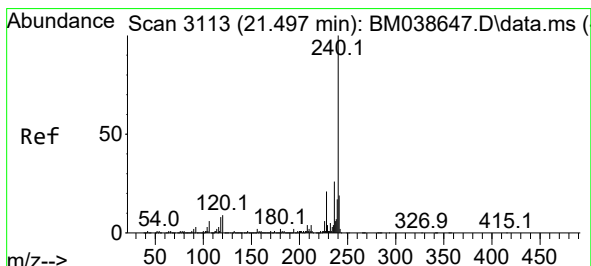
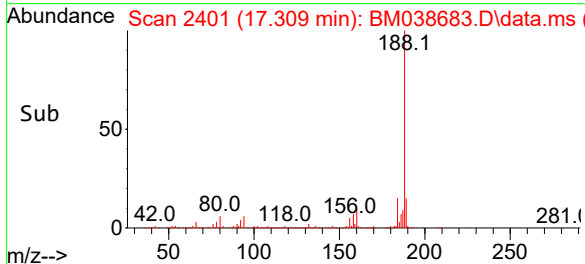
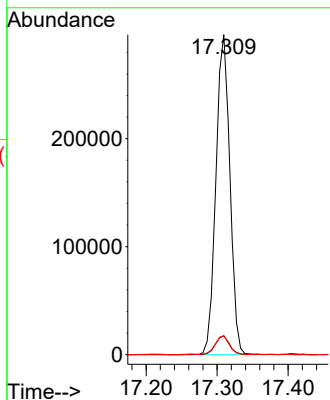
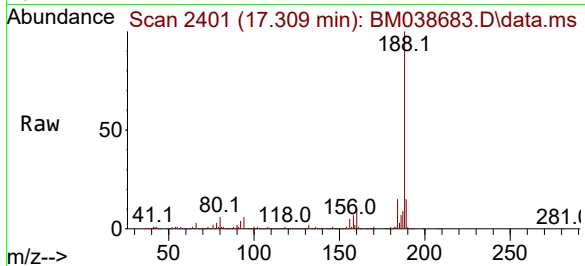




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

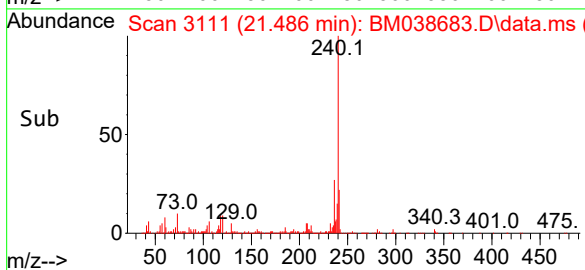
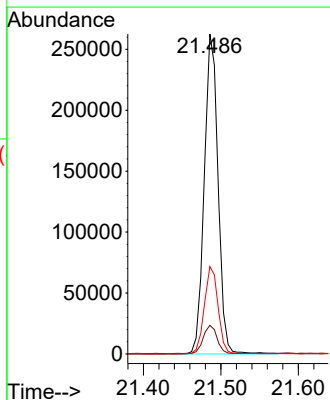
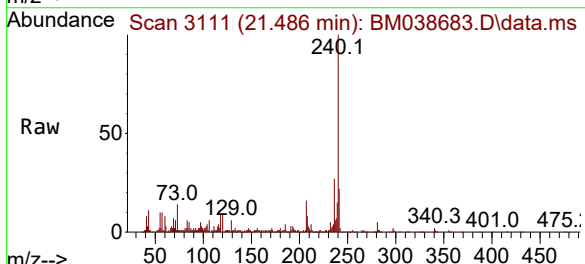
Instrument :
BNA_M
ClientSampleId :
MANHOLE

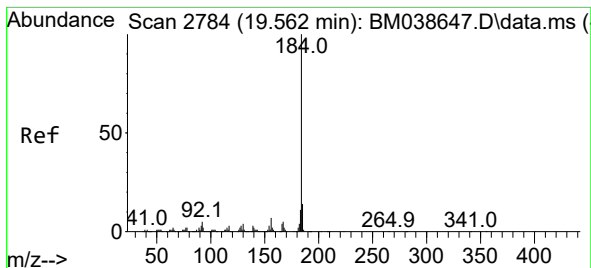
Tgt Ion:188 Resp: 403010
Ion Ratio Lower Upper
188 100
94 5.9 4.2 6.4
80 5.8 4.6 7.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM038683.D
Acq: 03 Feb 2023 17:34

Tgt Ion:240 Resp: 323927
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.4
236 27.3 20.9 31.3





#77

Benzidine

Concen: 3.666 ng

RT: 19.533 min Scan# 21

Delta R.T. -0.024 min

Lab File: BM038683.D

Acq: 03 Feb 2023 17:34

Instrument :

BNA_M

ClientSampleId :

MANHOLE

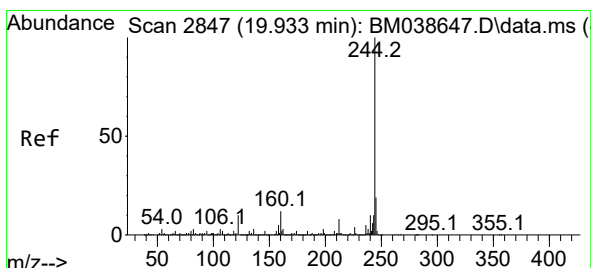
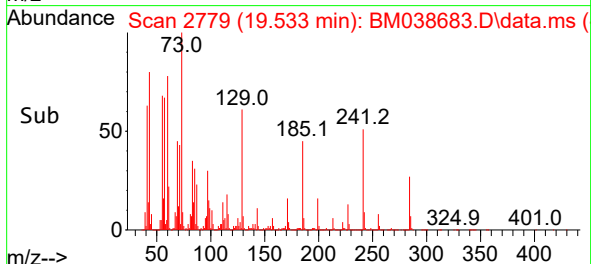
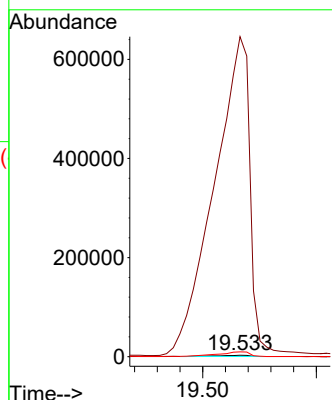
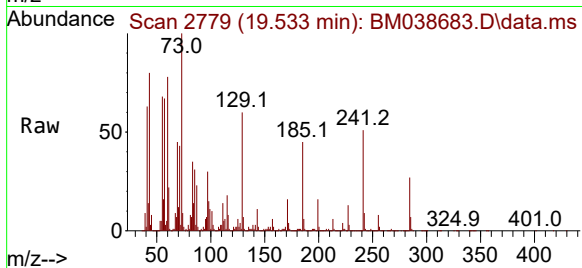
Tgt Ion:184 Resp: 5749

Ion Ratio Lower Upper

184 100

185 21172.5 10.8 16.2#

183 315.0 8.8 13.2#



#79

Terphenyl-d14

Concen: 55.509 ng

RT: 19.927 min Scan# 2846

Delta R.T. -0.000 min

Lab File: BM038683.D

Acq: 03 Feb 2023 17:34

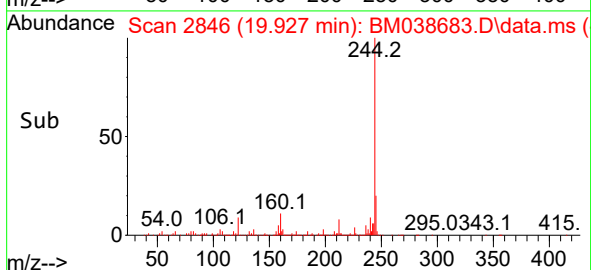
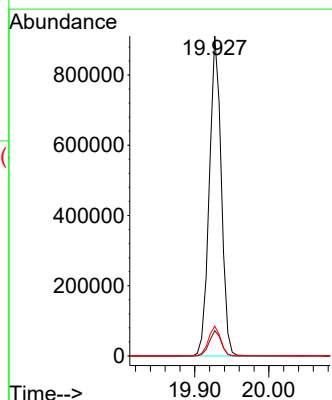
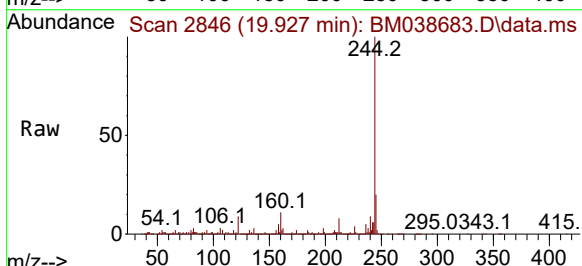
Tgt Ion:244 Resp: 1018928

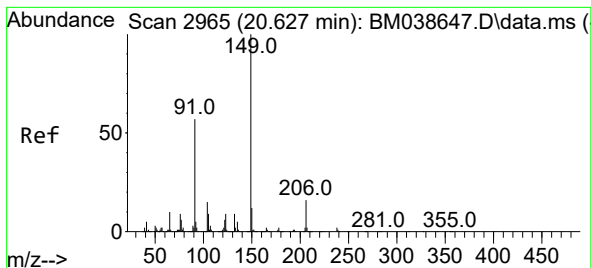
Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

122 9.3 7.8 11.8





#80

Butylbenzylphthalate

Concen: 2.176 ng

RT: 20.615 min Scan# 2965

Delta R.T. -0.006 min

Lab File: BM038683.D

Acq: 03 Feb 2023 17:34

Instrument :

BNA_M

ClientSampleId :

MANHOLE

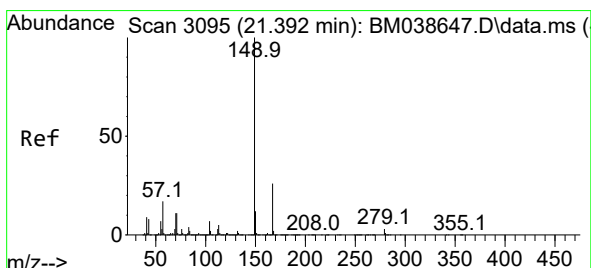
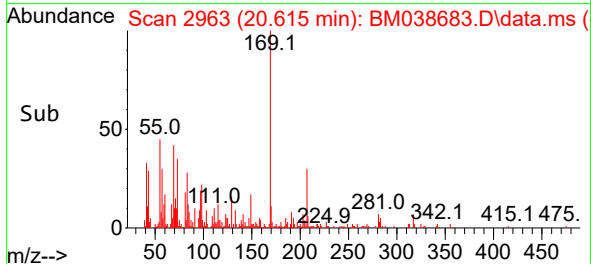
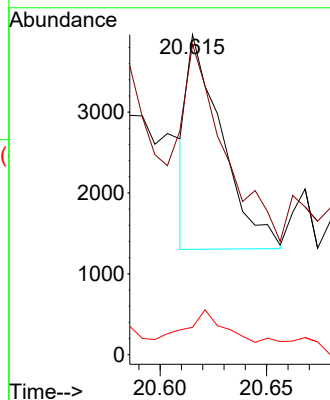
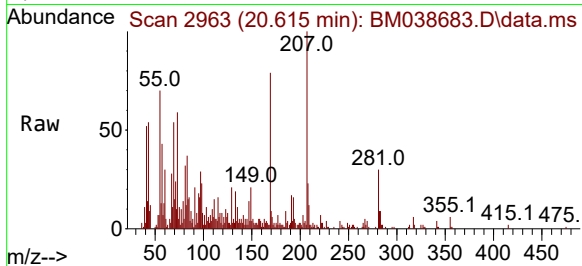
Tgt Ion:149 Resp: 2992

Ion Ratio Lower Upper

149 100

91 97.1 45.6 68.4#

206 8.5 12.5 18.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.643 ng

RT: 21.386 min Scan# 3094

Delta R.T. -0.000 min

Lab File: BM038683.D

Acq: 03 Feb 2023 17:34

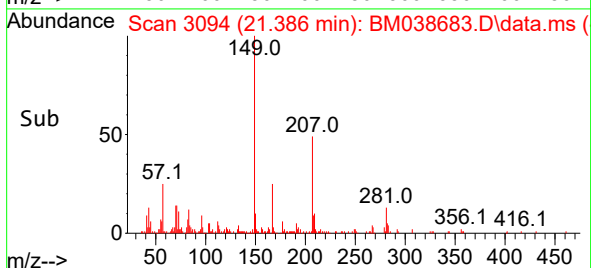
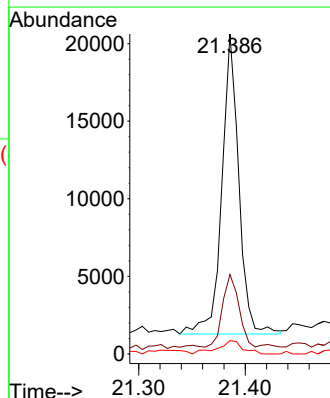
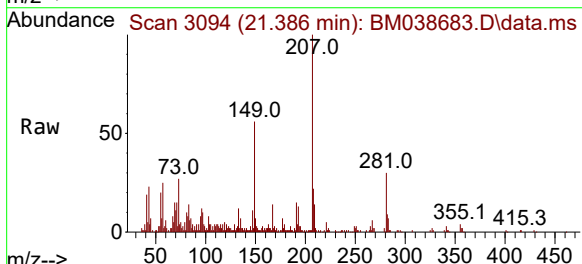
Tgt Ion:149 Resp: 21390

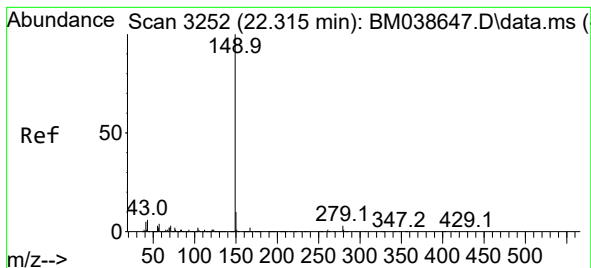
Ion Ratio Lower Upper

149 100

167 24.9 20.8 31.2

279 4.2 2.5 3.7#





#85

Di-n-octyl phthalate

Concen: 15.494 ng

RT: 22.362 min Scan# 31

Delta R.T. 0.053 min

Lab File: BM038683.D

Acq: 03 Feb 2023 17:34

Instrument :

BNA_M

ClientSampleId :

MANHOLE

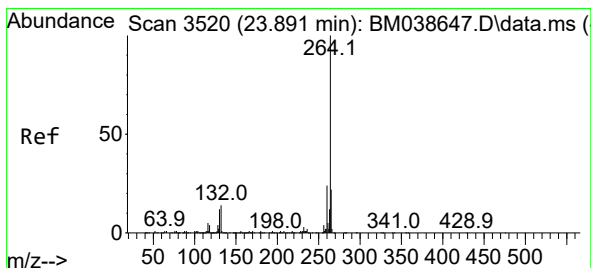
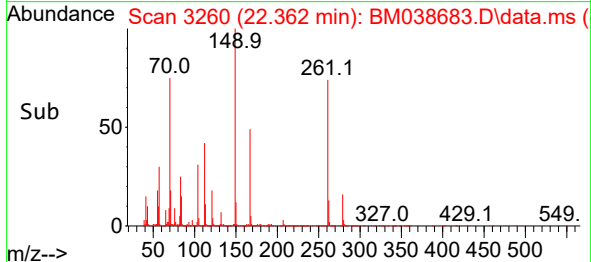
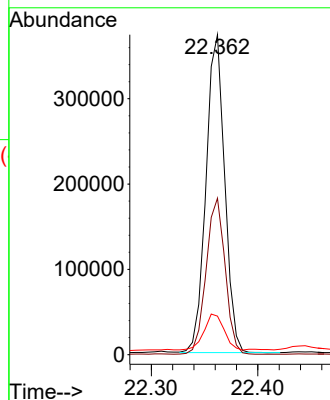
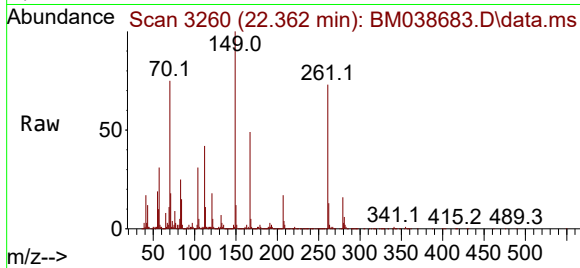
Tgt Ion:149 Resp: 454844

Ion Ratio Lower Upper

149 100

167 49.8 1.3 1.9#

43 12.2 4.6 6.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.886 min Scan# 3519

Delta R.T. -0.000 min

Lab File: BM038683.D

Acq: 03 Feb 2023 17:34

Tgt Ion:264 Resp: 389917

Ion Ratio Lower Upper

264 100

260 23.6 19.6 29.4

265 22.2 17.9 26.9

