

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
 Data File : BM039052.D
 Acq On : 20 Mar 2023 19:54
 Operator : CG/JU
 Sample : 01944-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MC-1

Quant Time: Mar 21 01:49:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 05:25:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

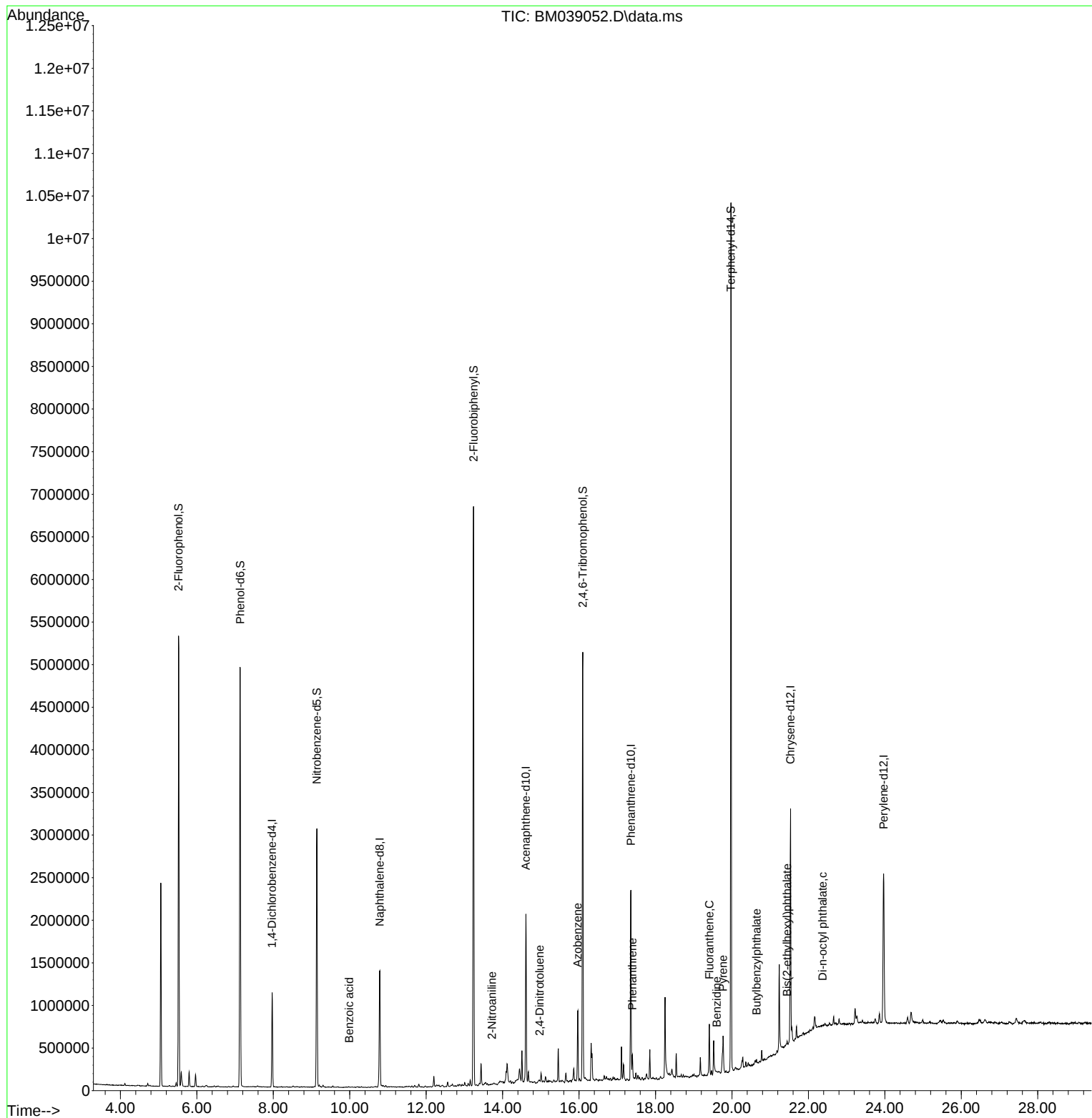
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	282030	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	1124703	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	637646	20.000	ng	0.00
64) Phenanthrene-d10	17.356	188	1279662	20.000	ng	0.00
76) Chrysene-d12	21.533	240	1182085	20.000	ng	0.00
86) Perylene-d12	23.968	264	1294776	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2244063	120.887	ng	0.00
7) Phenol-d6	7.134	99	2818851	116.907	ng	0.00
23) Nitrobenzene-d5	9.139	82	1698327	74.174	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	816268	110.657	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	3304154	67.457	ng	0.00
79) Terphenyl-d14	19.974	244	4530469	70.073	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.986	122	295	5.752	ng	# 1
48) 2-Nitroaniline	13.721	65	93	2.222	ng	# 57
57) 2,4-Dinitrotoluene	14.968	165	355	2.095	ng	# 52
63) Azobenzene	15.962	77	243406	4.818	ng	# 1
71) Phenanthrene	17.398	178	164965	2.196	ng	99
75) Fluoranthene	19.409	202	313683	3.956	ng	99
77) Benzidine	19.603	184	113	4.880	ng	# 1
78) Pyrene	19.768	202	249302	2.808	ng	100
80) Butylbenzylphthalate	20.645	149	1531	3.354	ng	# 71
84) Bis(2-ethylhexyl)phtha...	21.444	149	14157	2.731	ng	92
85) Di-n-octyl phthalate	22.374	149	608	3.803	ng	# 44

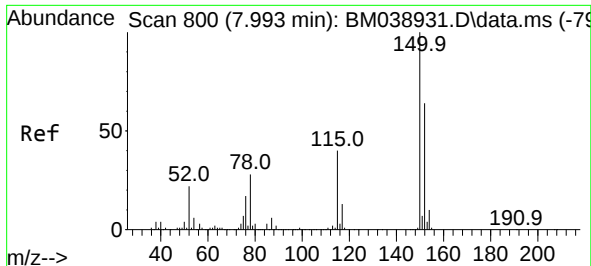
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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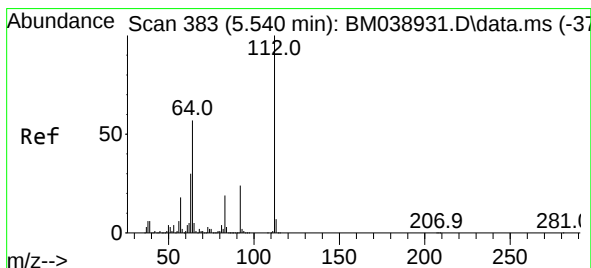
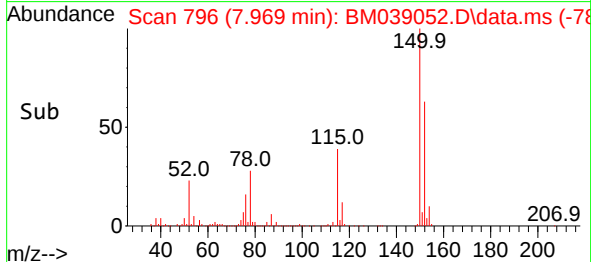
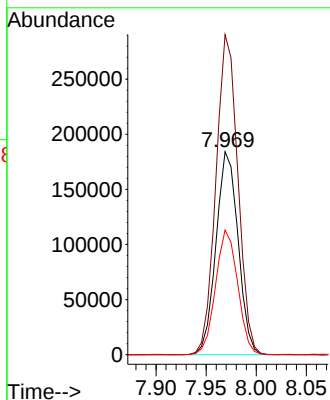
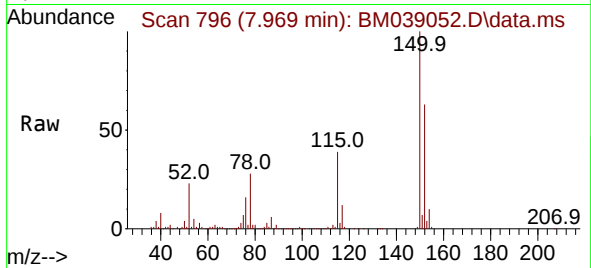




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

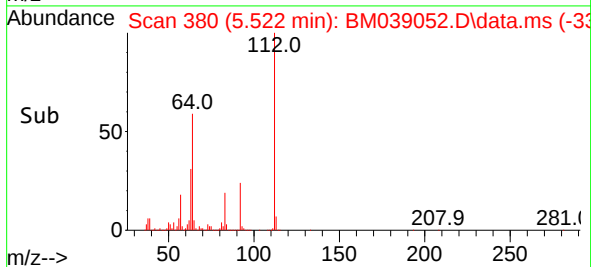
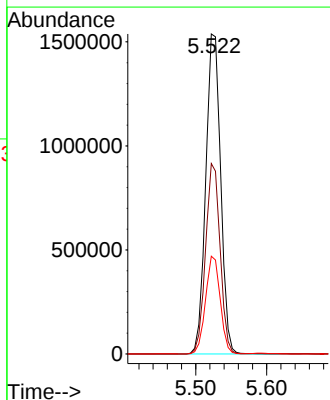
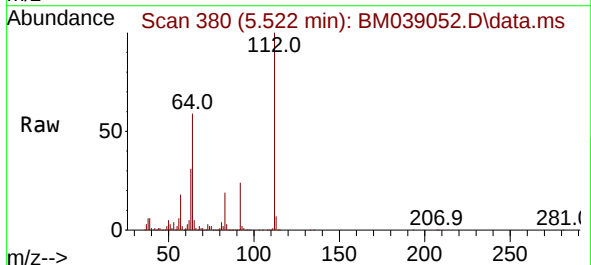
Instrument :
BNA_M
ClientSampleId :
MC-1

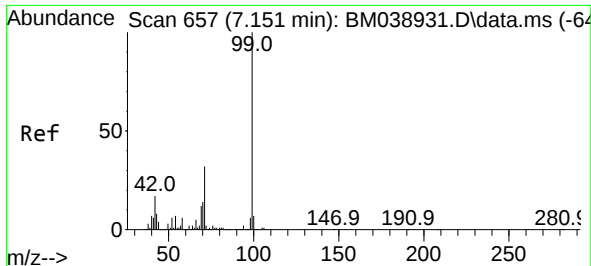
Tgt Ion:152 Resp: 282030
Ion Ratio Lower Upper
152 100
150 157.6 125.1 187.7
115 61.4 49.6 74.4



#5
2-Fluorophenol
Concen: 120.887 ng
RT: 5.522 min Scan# 380
Delta R.T. -0.006 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

Tgt Ion:112 Resp: 2244063
Ion Ratio Lower Upper
112 100
64 59.5 45.9 68.9
63 30.5 23.8 35.8



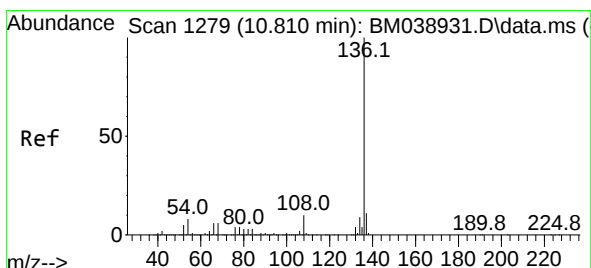
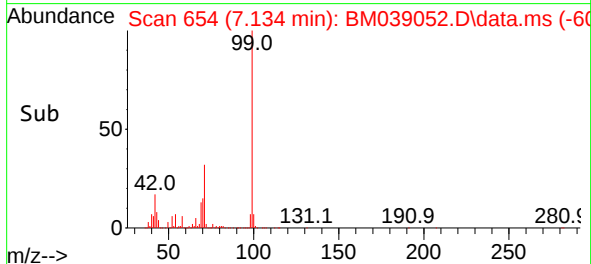
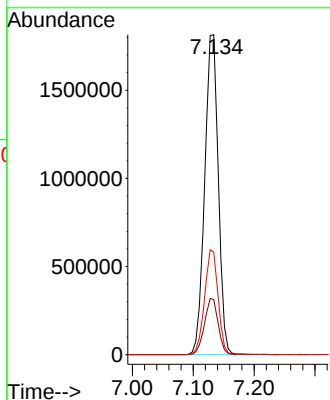
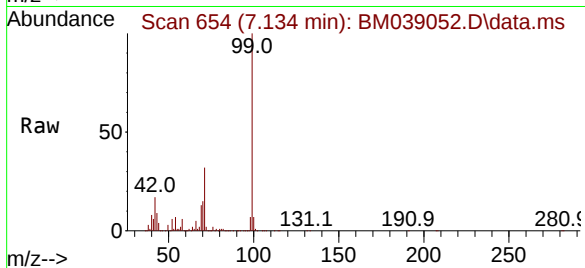


#7
Phenol-d6
Concen: 116.907 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

Instrument :
BNA_M
ClientSampleId :
MC-1

Tgt Ion: 99 Resp: 2818851

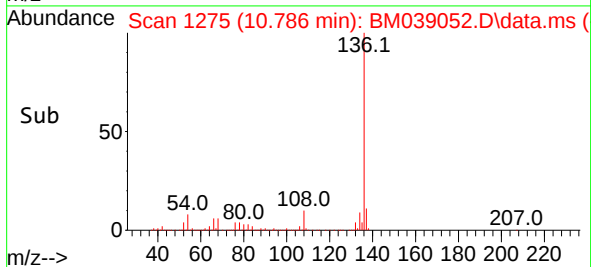
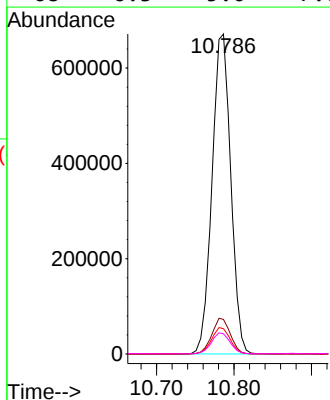
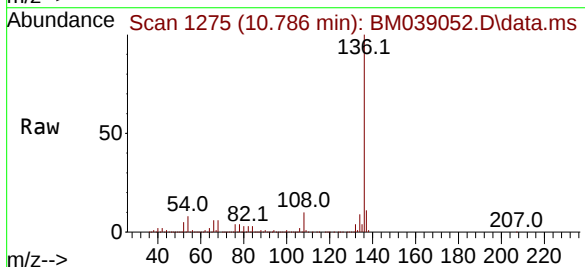
Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.5	20.3
71	32.1	25.6	38.4

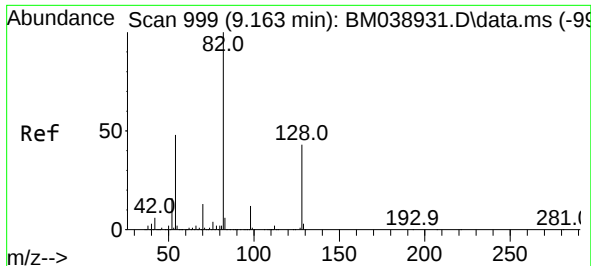


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

Tgt Ion: 136 Resp: 1124703

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.9	6.3	9.5
68	6.3	5.0	7.6

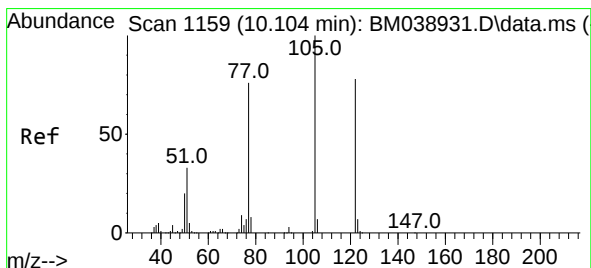
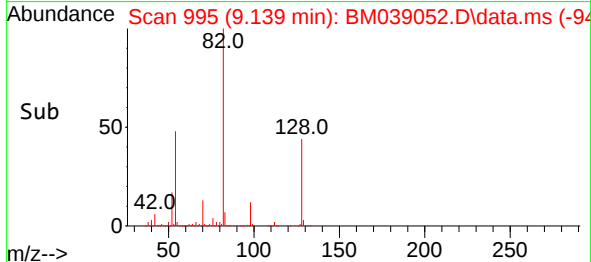
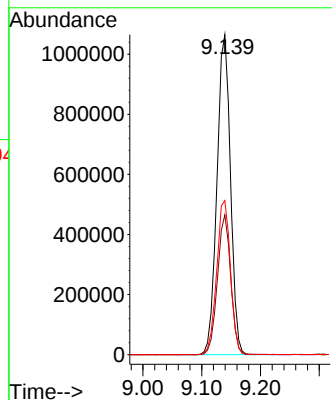
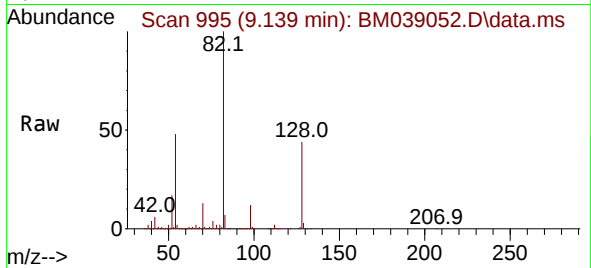




#23
Nitrobenzene-d5
Concen: 74.174 ng
RT: 9.139 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

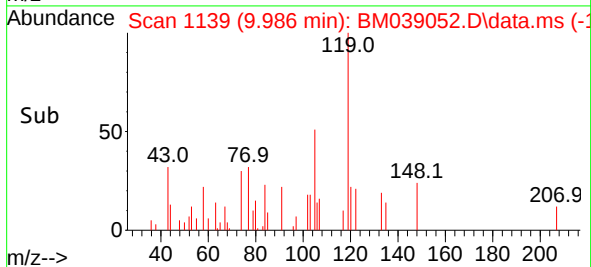
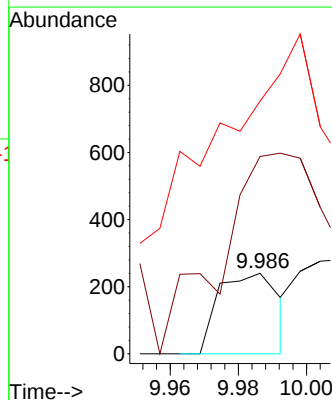
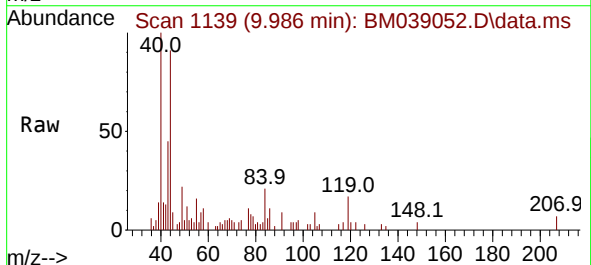
Instrument :
BNA_M
ClientSampleId :
MC-1

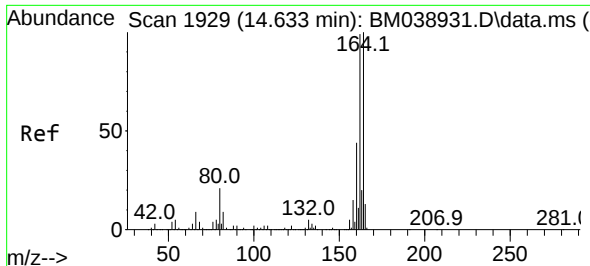
Tgt Ion: 82 Resp: 1698327
Ion Ratio Lower Upper
82 100
128 43.7 34.4 51.6
54 48.2 38.8 58.2



#32
Benzoic acid
Concen: 5.752 ng
RT: 9.986 min Scan# 1139
Delta R.T. -0.112 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

Tgt Ion:122 Resp: 295
Ion Ratio Lower Upper
122 100
105 245.0 104.2 144.2#
77 313.8 75.1 115.1#

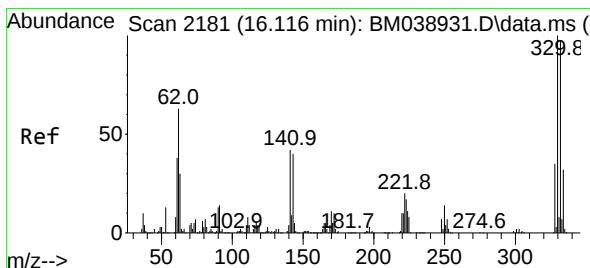
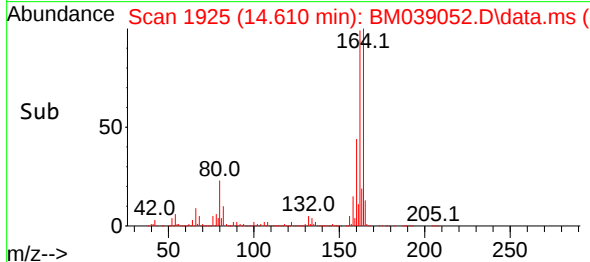
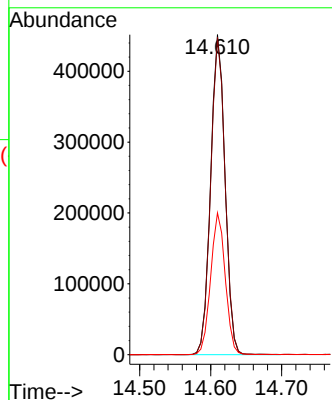
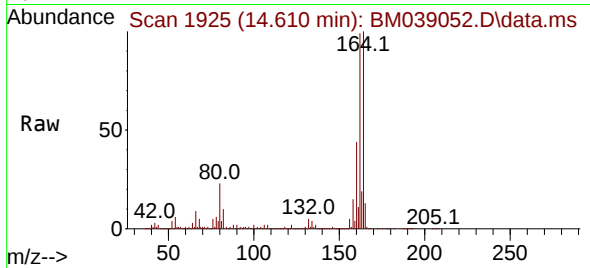




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

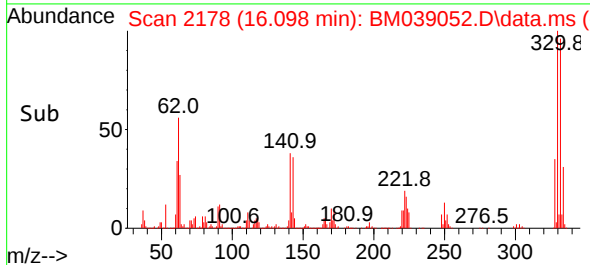
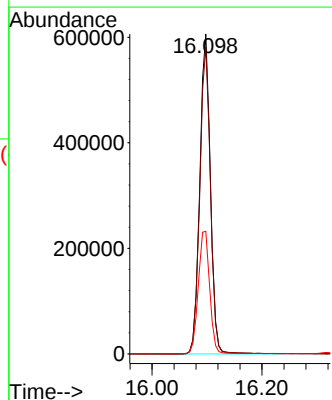
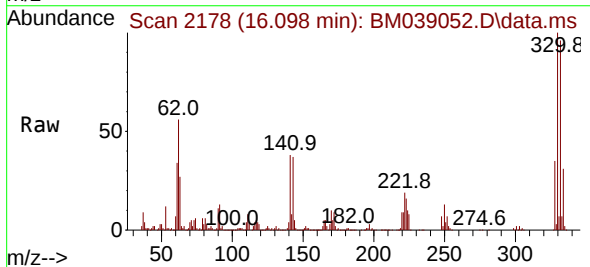
Instrument :
BNA_M
ClientSampleId :
MC-1

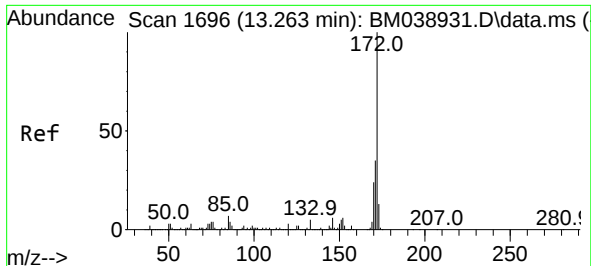
Tgt Ion:164 Resp: 637646
Ion Ratio Lower Upper
164 100
162 99.1 79.2 118.8
160 44.3 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 110.657 ng
RT: 16.098 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

Tgt Ion:330 Resp: 816268
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 40.8 32.2 48.4

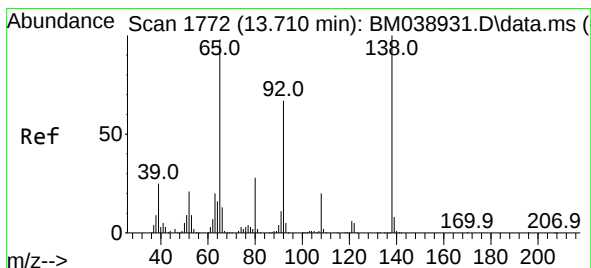
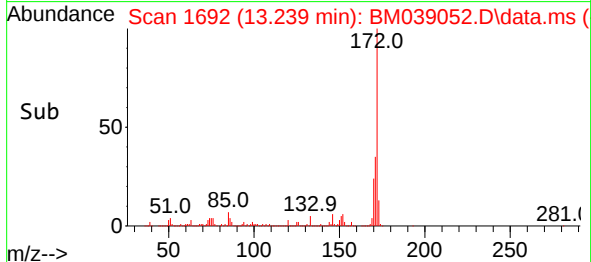
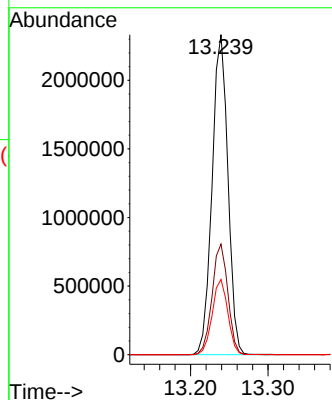
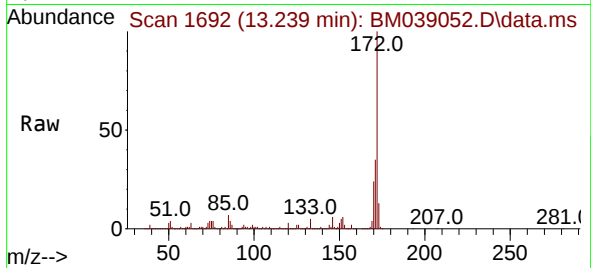




#45
2-Fluorobiphenyl
Concen: 67.457 ng
RT: 13.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

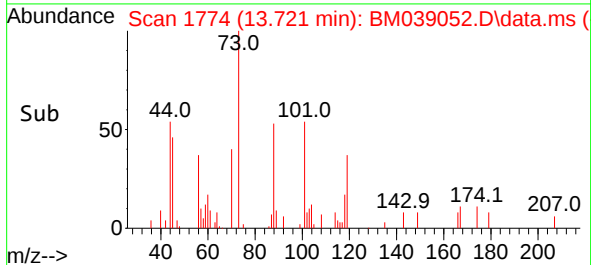
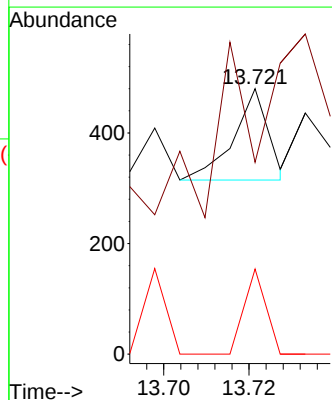
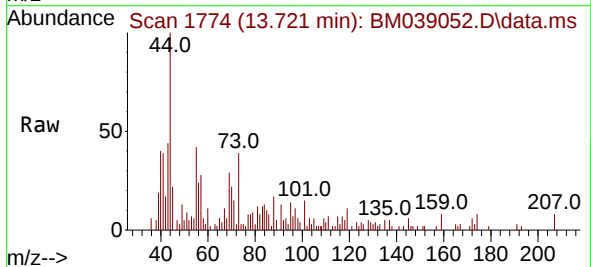
Instrument :
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ClientSampleId :
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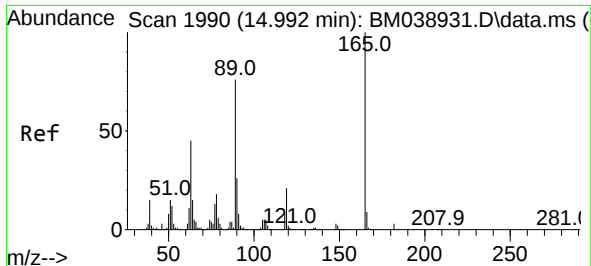
Tgt Ion:172 Resp: 3304154
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.2
170 23.5 19.1 28.7



#48
2-Nitroaniline
Concen: 2.222 ng
RT: 13.721 min Scan# 1774
Delta R.T. 0.024 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

Tgt Ion: 65 Resp: 93
Ion Ratio Lower Upper
65 100
92 72.3 54.9 82.3
138 32.1 81.6 122.4#





#57

2,4-Dinitrotoluene

Concen: 2.095 ng

RT: 14.968 min Scan# 1990

Delta R.T. -0.006 min

Lab File: BM039052.D

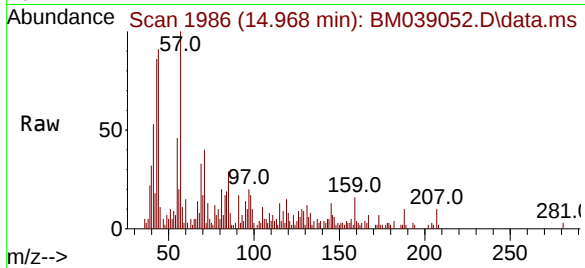
Acq: 20 Mar 2023 19:54

Instrument :

BNA_M

ClientSampleId :

MC-1



Tgt Ion:165 Resp: 355

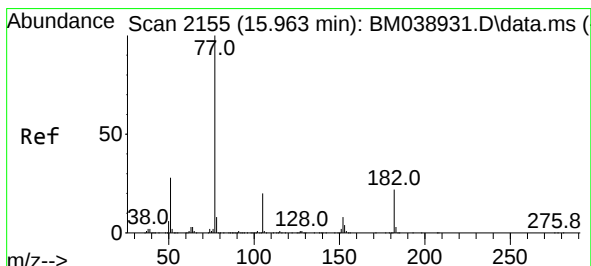
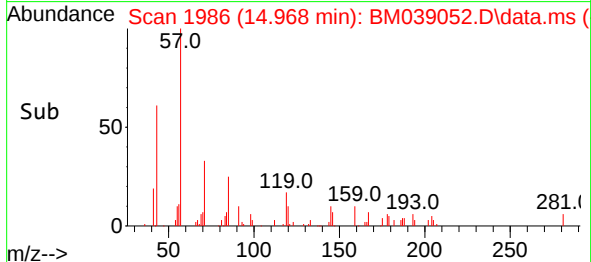
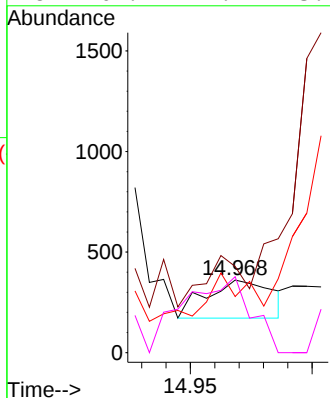
Ion Ratio Lower Upper

165 100

63 118.8 35.9 53.9#

89 77.3 61.0 91.6

182 104.7 2.1 3.1#



#63

Azobenzene

Concen: 4.818 ng

RT: 15.962 min Scan# 2155

Delta R.T. 0.012 min

Lab File: BM039052.D

Acq: 20 Mar 2023 19:54

Tgt Ion: 77 Resp: 243406

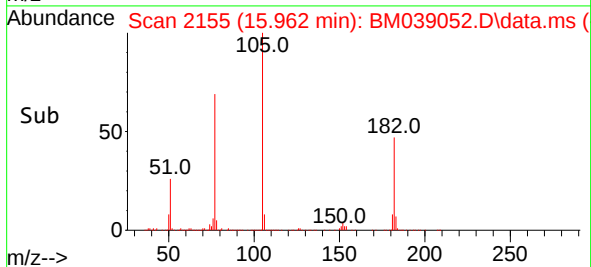
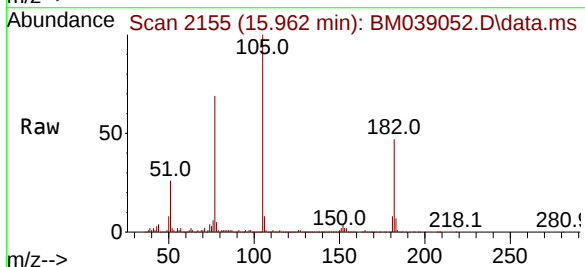
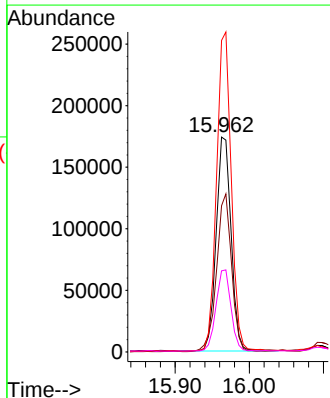
Ion Ratio Lower Upper

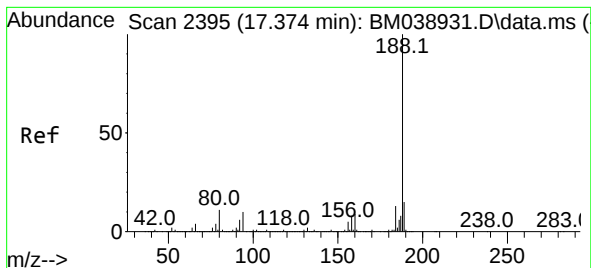
77 100

182 68.0 2.0 42.0#

105 145.0 0.4 40.4#

51 37.8 8.0 48.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.356 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039052.D

Acq: 20 Mar 2023 19:54

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BNA_M

ClientSampleId :

MC-1

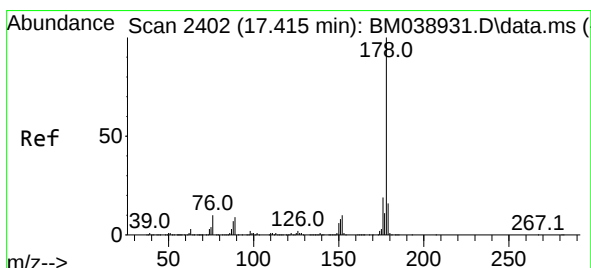
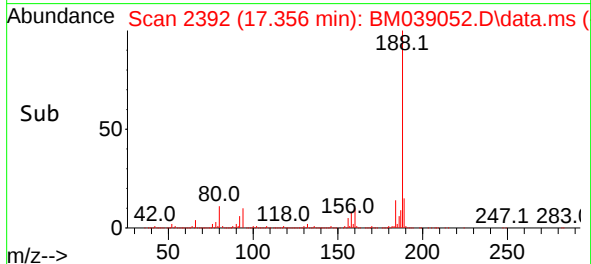
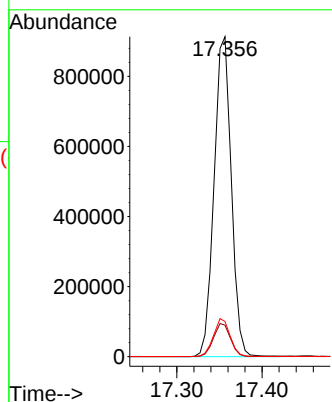
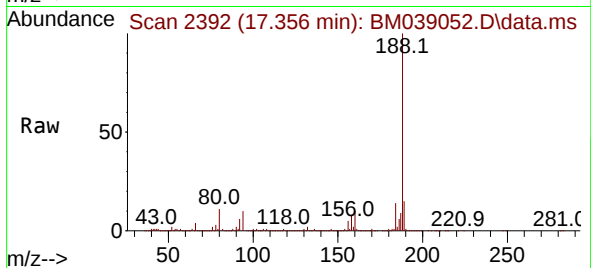
Tgt Ion:188 Resp: 1279662

Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 11.0 8.5 12.7



#71

Phenanthrene

Concen: 2.196 ng

RT: 17.398 min Scan# 2399

Delta R.T. -0.006 min

Lab File: BM039052.D

Acq: 20 Mar 2023 19:54

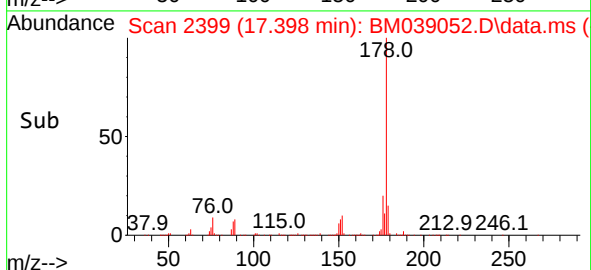
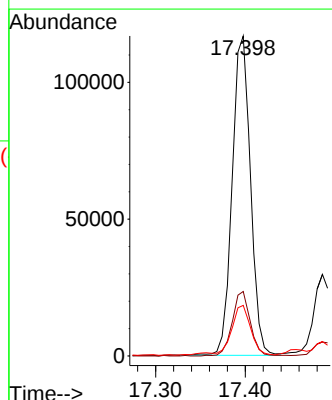
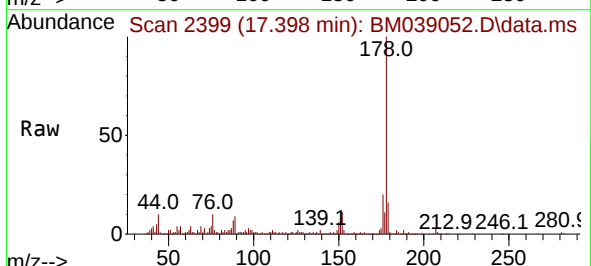
Tgt Ion:178 Resp: 164965

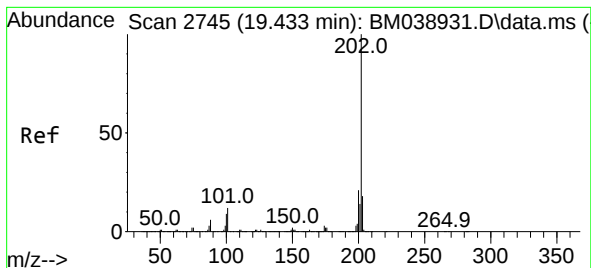
Ion Ratio Lower Upper

178 100

176 20.1 15.6 23.4

179 15.8 12.5 18.7





#75

Fluoranthene

Concen: 3.956 ng

RT: 19.409 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039052.D

Acq: 20 Mar 2023 19:54

Instrument :

BNA_M

ClientSampleId :

MC-1

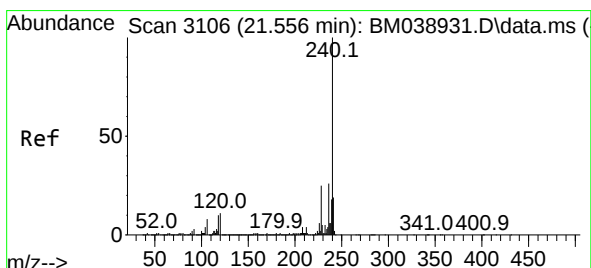
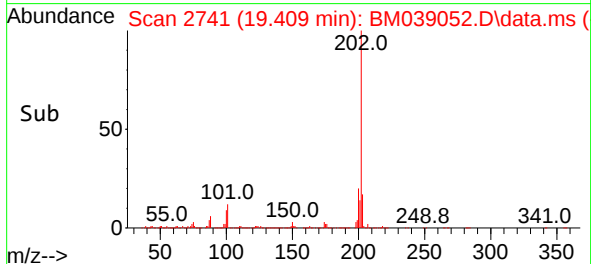
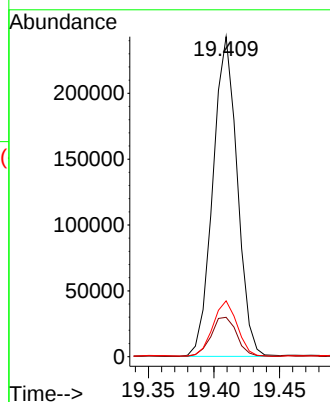
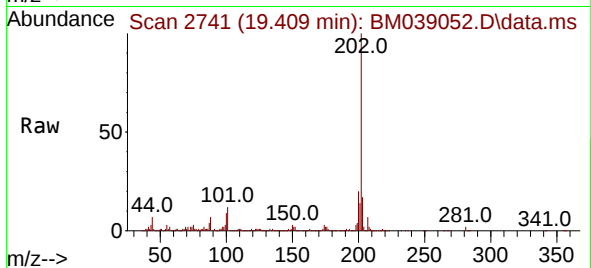
Tgt Ion:202 Resp: 313683

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.7

203 17.4 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 3102

Delta R.T. -0.006 min

Lab File: BM039052.D

Acq: 20 Mar 2023 19:54

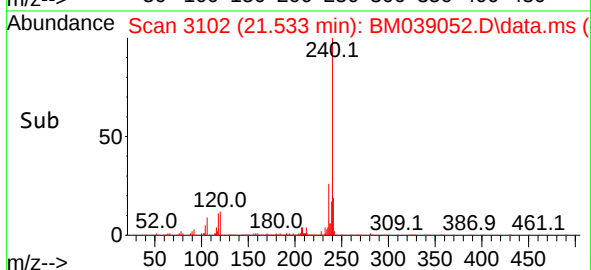
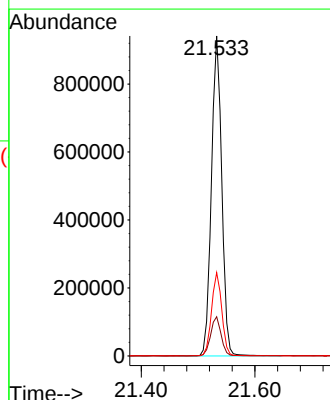
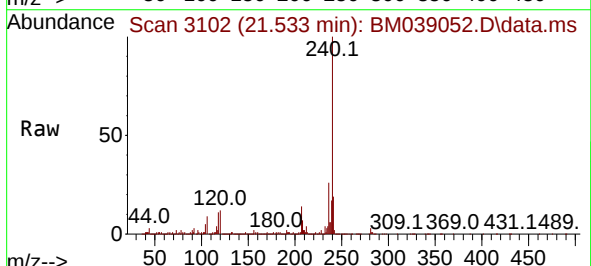
Tgt Ion:240 Resp: 1182085

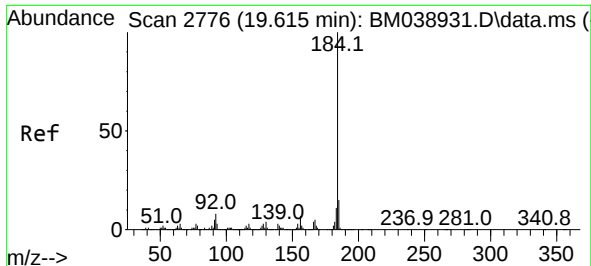
Ion Ratio Lower Upper

240 100

120 12.3 9.2 13.8

236 26.1 20.8 31.2

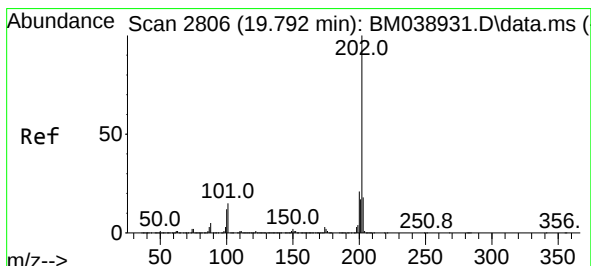
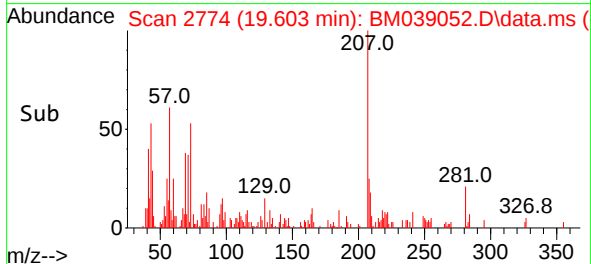
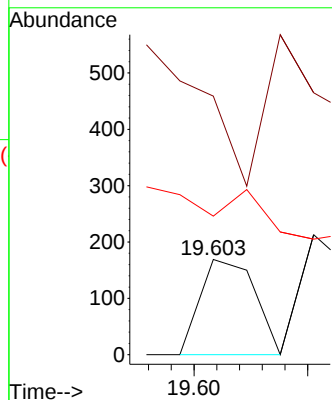
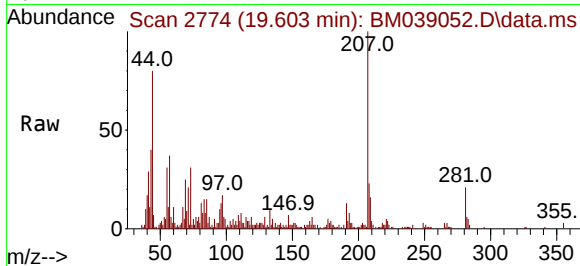




#77
Benzidine
Concen: 4.880 ng
RT: 19.603 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

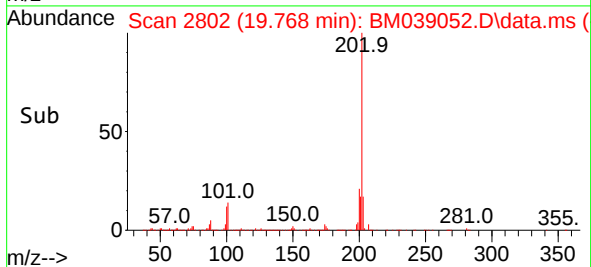
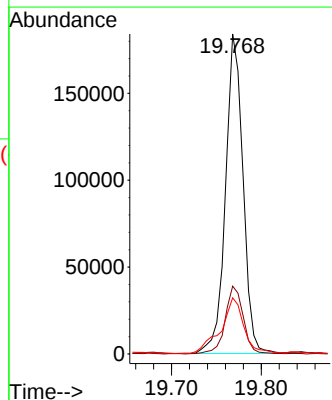
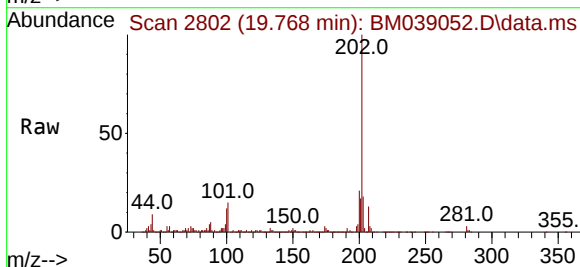
Instrument :
BNA_M
ClientSampleId :
MC-1

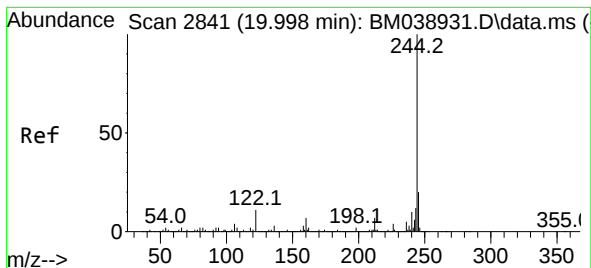
Tgt Ion:184 Resp: 113
Ion Ratio Lower Upper
184 100
185 271.6 12.2 18.4#
183 145.6 8.8 13.2#



#78
Pyrene
Concen: 2.808 ng
RT: 19.768 min Scan# 2802
Delta R.T. -0.012 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

Tgt Ion:202 Resp: 249302
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 70.073 ng

RT: 19.974 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM039052.D

Acq: 20 Mar 2023 19:54

Instrument :

BNA_M

ClientSampleId :

MC-1

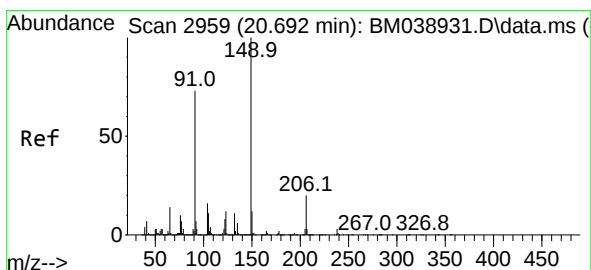
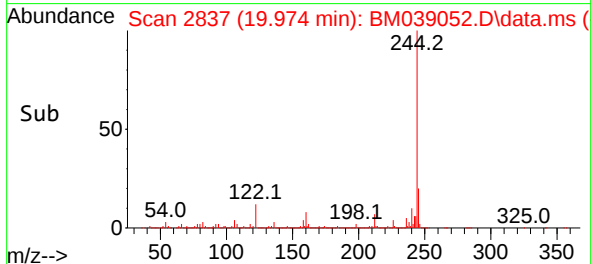
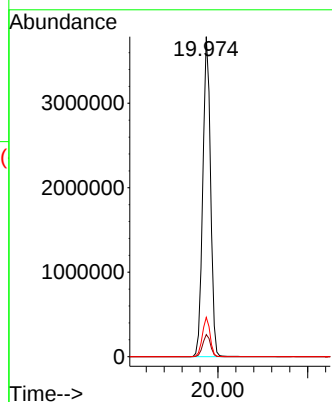
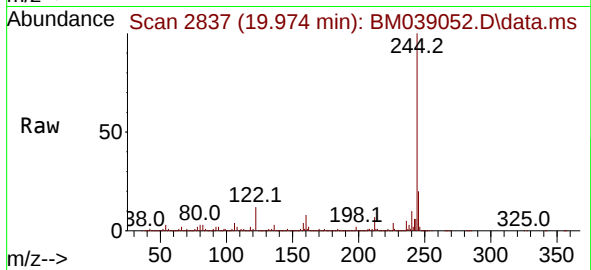
Tgt Ion:244 Resp: 4530469

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 12.3 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.354 ng

RT: 20.645 min Scan# 2951

Delta R.T. -0.029 min

Lab File: BM039052.D

Acq: 20 Mar 2023 19:54

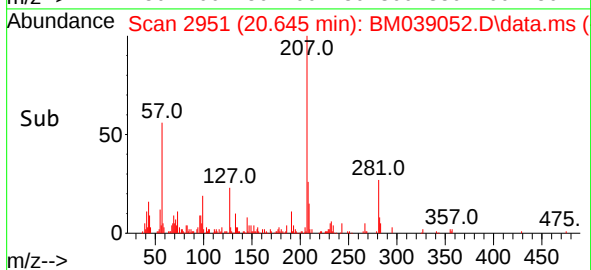
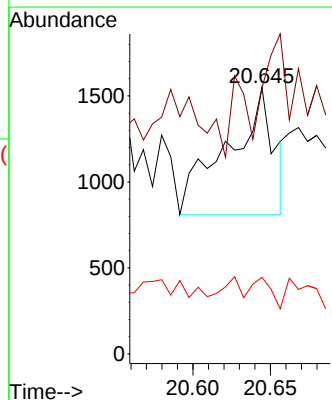
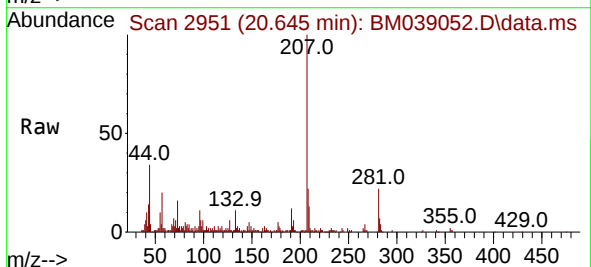
Tgt Ion:149 Resp: 1531

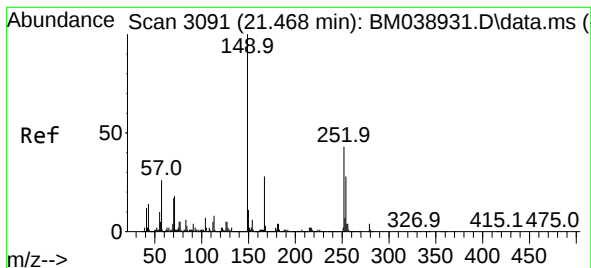
Ion Ratio Lower Upper

149 100

91 99.8 58.4 87.6#

206 28.7 16.1 24.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.731 ng

RT: 21.444 min Scan# 3091

Delta R.T. -0.006 min

Lab File: BM039052.D

Acq: 20 Mar 2023 19:54

Instrument :

BNA_M

ClientSampleId :

MC-1

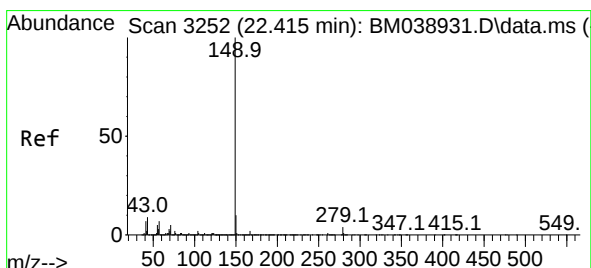
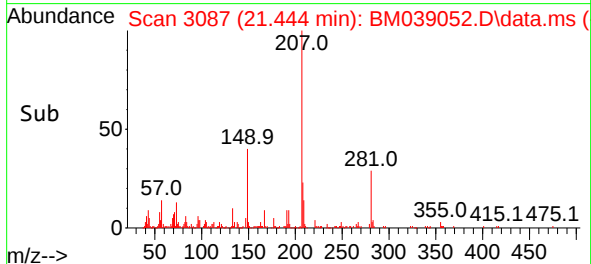
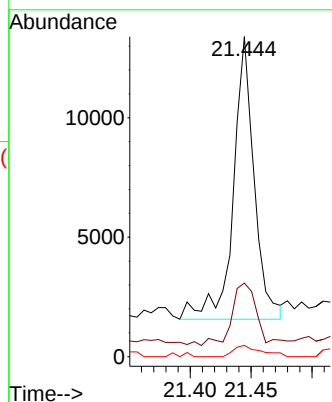
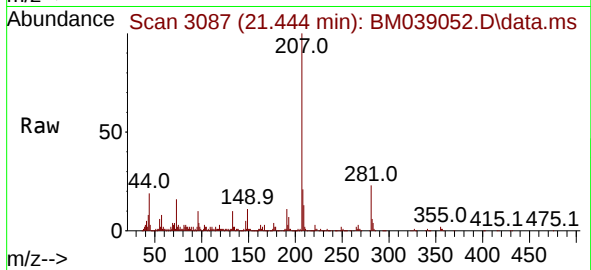
Tgt Ion:149 Resp: 14157

Ion Ratio Lower Upper

149 100

167 23.0 22.3 33.5

279 3.6 3.2 4.8



#85

Di-n-octyl phthalate

Concen: 3.803 ng

RT: 22.374 min Scan# 3245

Delta R.T. -0.018 min

Lab File: BM039052.D

Acq: 20 Mar 2023 19:54

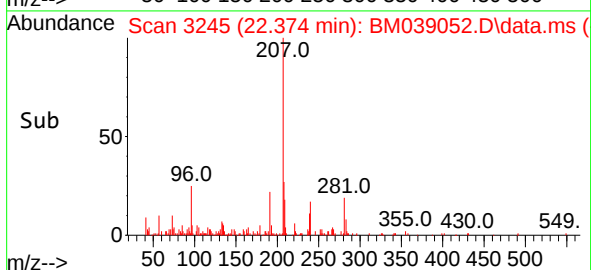
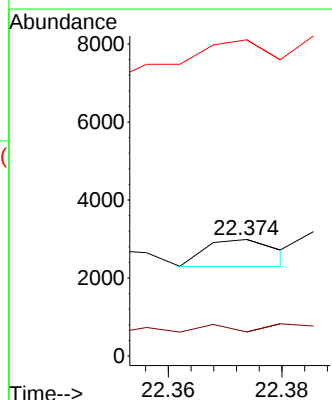
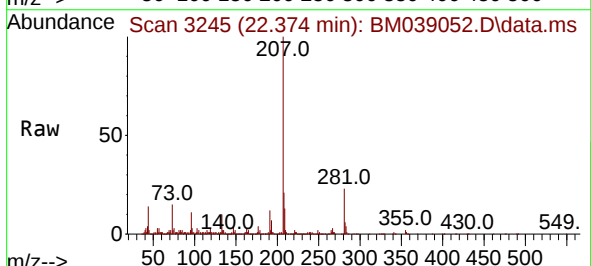
Tgt Ion:149 Resp: 608

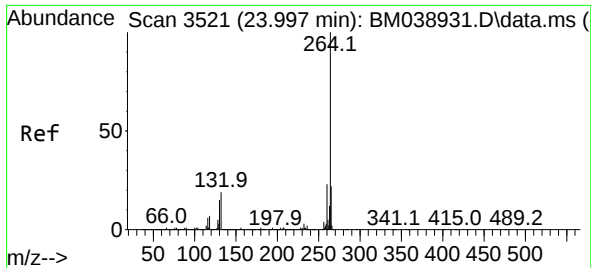
Ion Ratio Lower Upper

149 100

167 93.4 1.2 1.8#

43 0.0 7.4 11.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.968 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM039052.D
Acq: 20 Mar 2023 19:54

Instrument :
BNA_M
ClientSampleId :
MC-1

Tgt Ion:264 Resp: 1294776

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.4	17.9	26.9

