

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032423\
 Data File : BM039154.D
 Acq On : 24 Mar 2023 22:51
 Operator : CG/JU
 Sample : 02049-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-032323

Quant Time: Mar 25 01:10:14 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 24 15:04:20 2023
 Response via : Initial Calibration

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

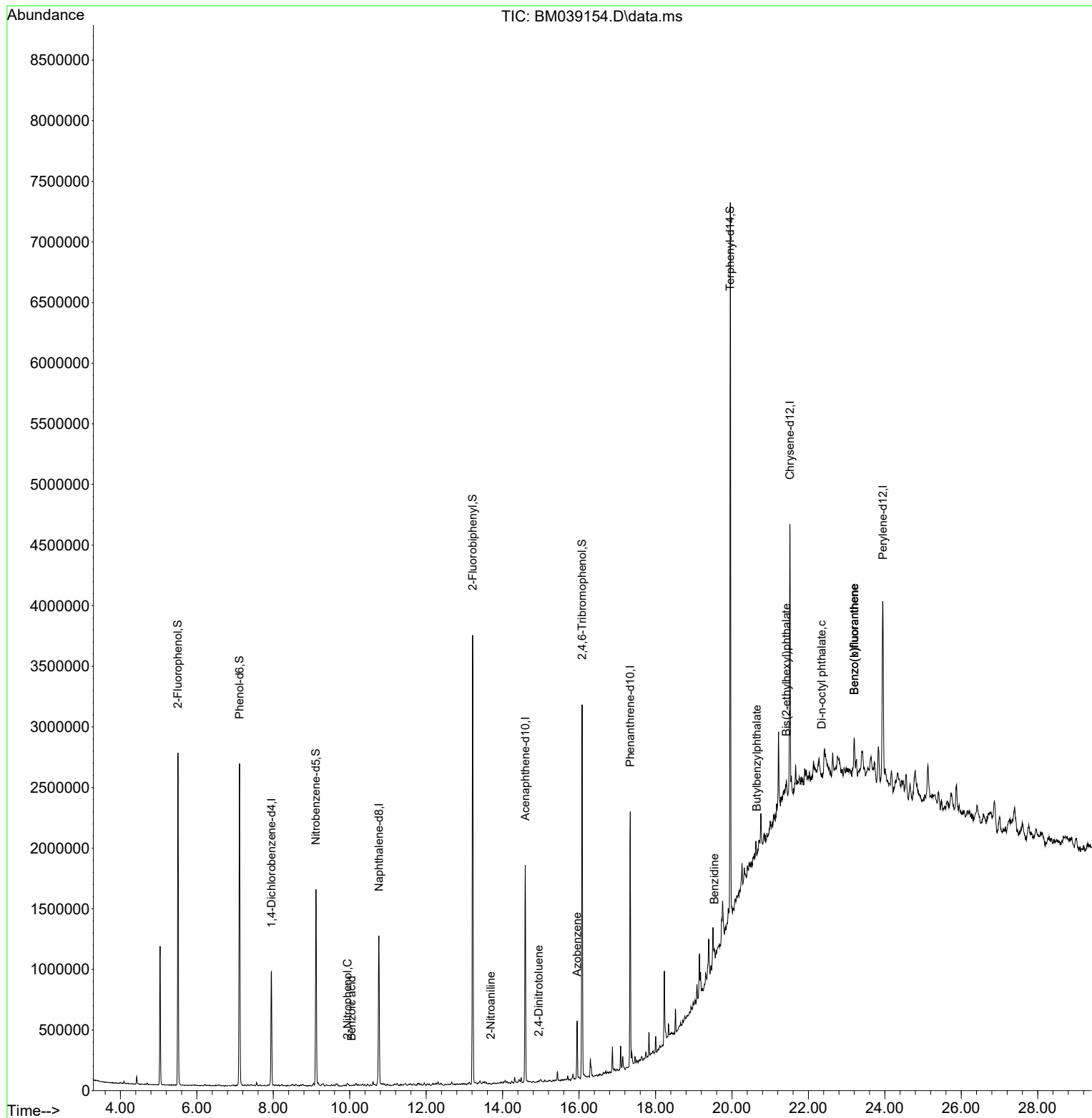
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	253514	20.000	ng	0.00
21) Naphthalene-d8	10.763	136	1021904	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	595751	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1218657	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1021689	20.000	ng	-0.01
86) Perylene-d12	23.950	264	1145066	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1179653	70.696	ng	0.00
7) Phenol-d6	7.116	99	1534172	70.784	ng	0.00
23) Nitrobenzene-d5	9.116	82	913385	43.905	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	538234	78.097	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	1925745	42.080	ng	0.00
79) Terphenyl-d14	19.956	244	2801129	50.127	ng	0.00
Target Compounds						
					Qvalue	
26) 2-Nitrophenol	9.945	139	78	2.998	ng	# 1
32) Benzoic acid	10.045	122	63	5.737	ng	# 1
48) 2-Nitroaniline	13.692	65	249	2.235	ng	# 47
57) 2,4-Dinitrotoluene	14.945	165	140	2.081	ng	# 70
63) Azobenzene	15.951	77	136250	2.887	ng	# 1
77) Benzidine	19.539	184	1118	4.919	ng	# 1
80) Butylbenzylphthalate	20.650	149	1841	3.368	ng	# 75
84) Bis(2-ethylhexyl)phtha...	21.427	149	14382	2.774	ng	# 77
85) Di-n-octyl phthalate	22.350	149	1777	3.817	ng	# 67
88) Benzo(b)fluoranthene	23.203	252	158833	2.171	ng	# 51
89) Benzo(k)fluoranthene	23.203	252	158833	2.086	ng	# 51

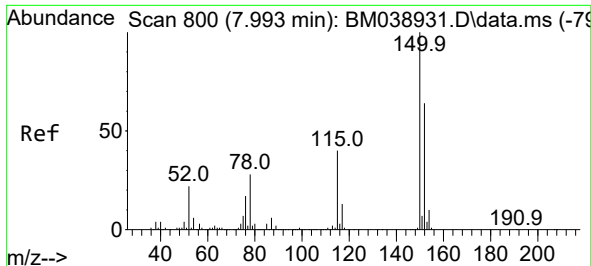
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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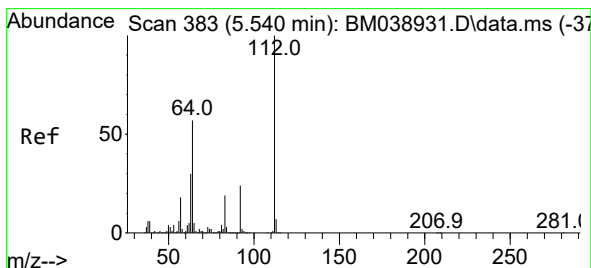
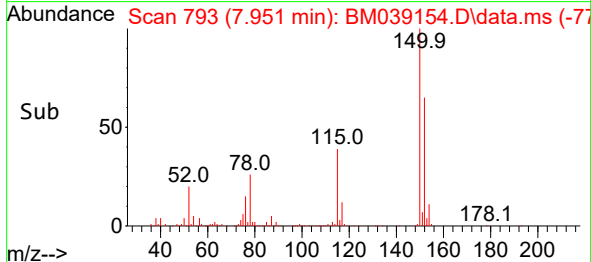
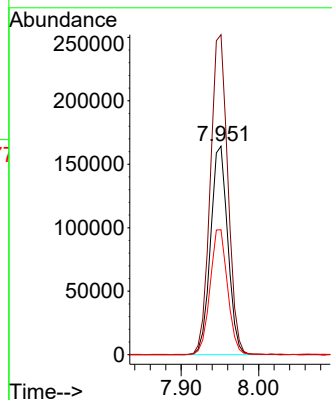
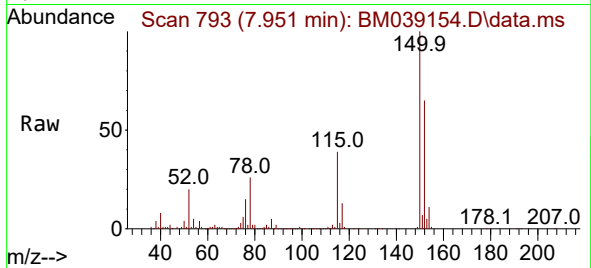




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.951 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

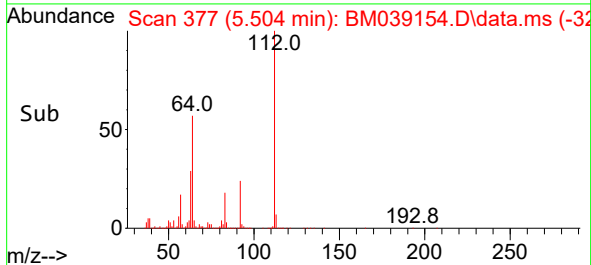
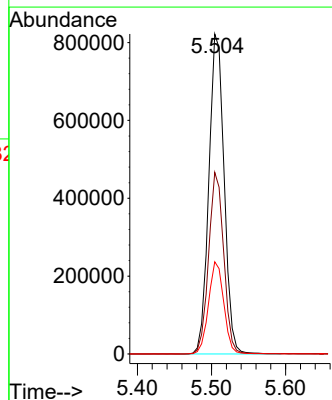
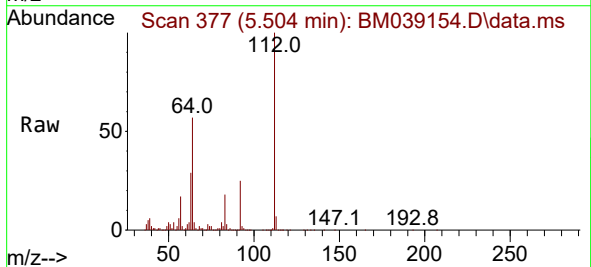
Instrument :
BNA_M
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OK-02-032323

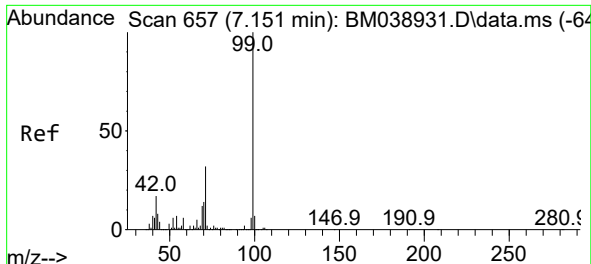
Tgt Ion:152 Resp: 253514
Ion Ratio Lower Upper
152 100
150 153.5 125.1 187.7
115 59.9 49.6 74.4



#5
2-Fluorophenol
Concen: 70.696 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.000 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

Tgt Ion:112 Resp: 1179653
Ion Ratio Lower Upper
112 100
64 56.7 45.9 68.9
63 28.8 23.8 35.8

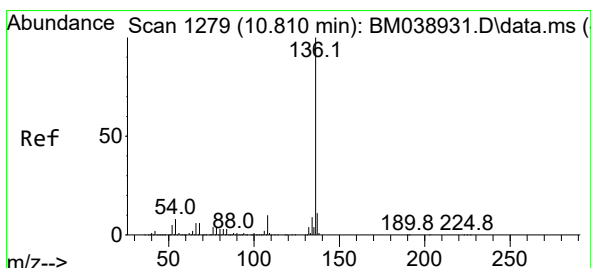
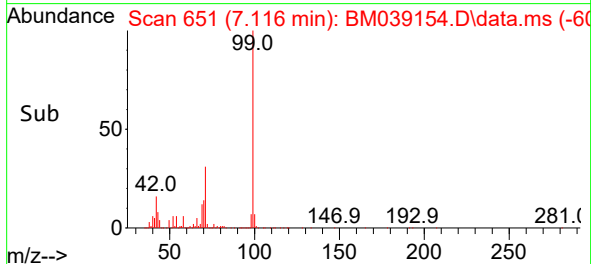
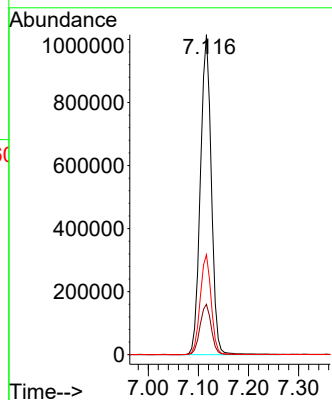
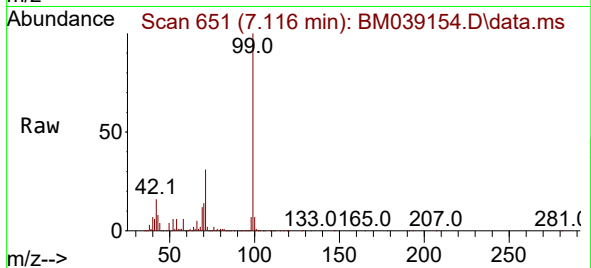




#7
Phenol-d6
Concen: 70.784 ng
RT: 7.116 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

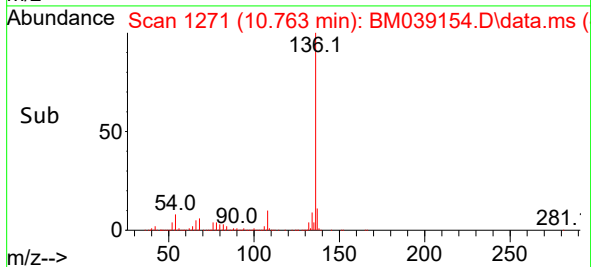
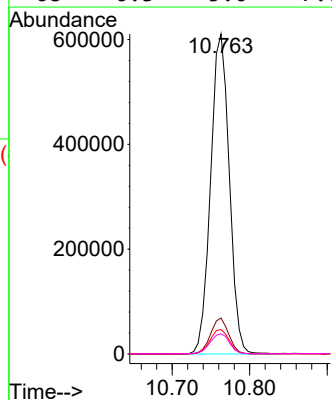
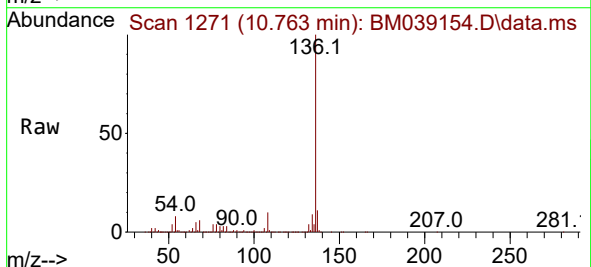
Instrument :
BNA_M
ClientSampleId :
OK-02-032323

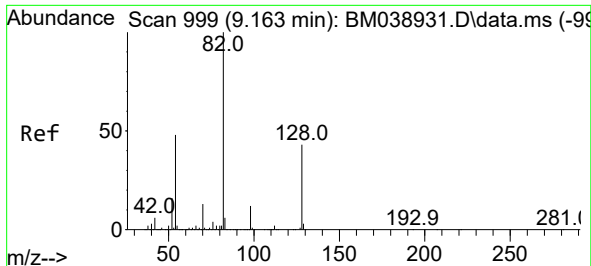
Tgt Ion: 99 Resp: 1534172
Ion Ratio Lower Upper
99 100
42 15.7 13.5 20.3
71 31.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

Tgt Ion: 136 Resp: 1021904
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 7.7 6.3 9.5
68 6.3 5.0 7.6

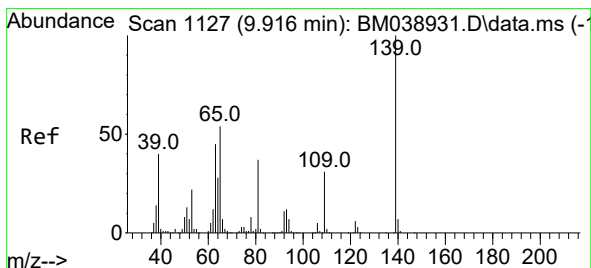
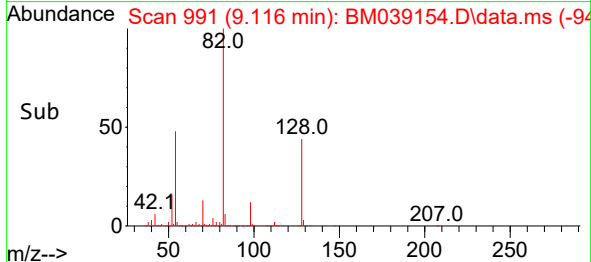
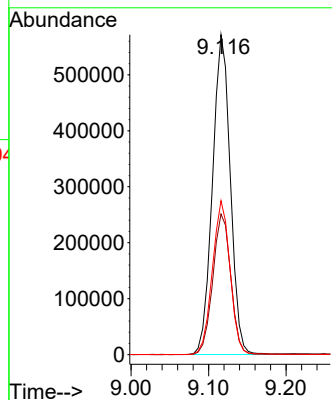
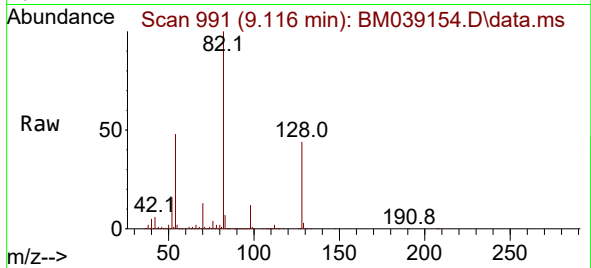




#23
Nitrobenzene-d5
Concen: 43.905 ng
RT: 9.116 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

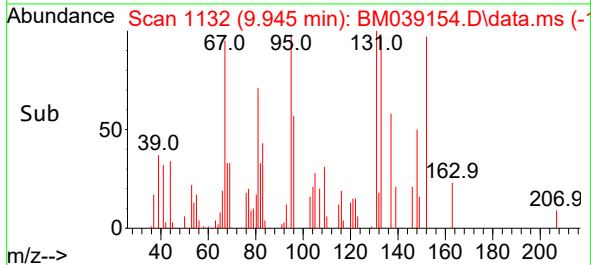
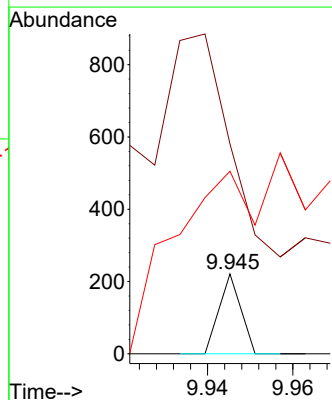
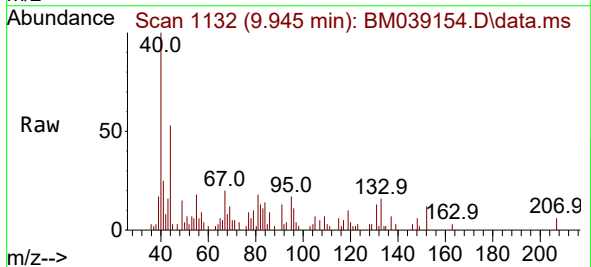
Instrument :
BNA_M
ClientSampleId :
OK-02-032323

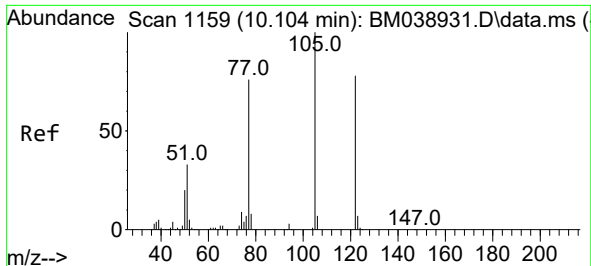
Tgt Ion: 82 Resp: 913385
Ion Ratio Lower Upper
82 100
128 44.0 34.4 51.6
54 48.1 38.8 58.2



#26
2-Nitrophenol
Concen: 2.998 ng
RT: 9.945 min Scan# 1132
Delta R.T. 0.065 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

Tgt Ion:139 Resp: 78
Ion Ratio Lower Upper
139 100
109 262.9 24.5 36.7#
65 228.5 43.0 64.6#

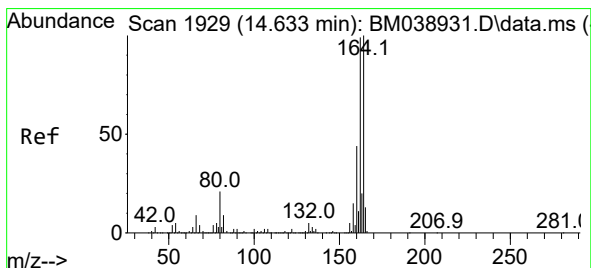
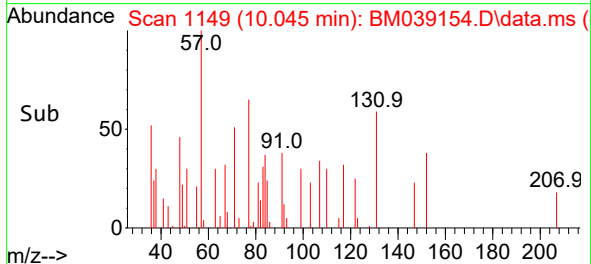
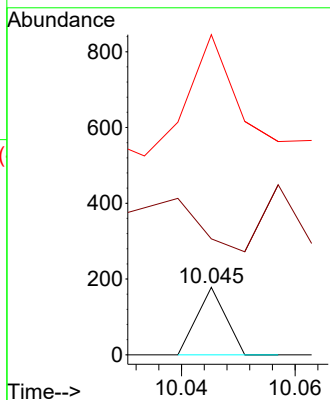
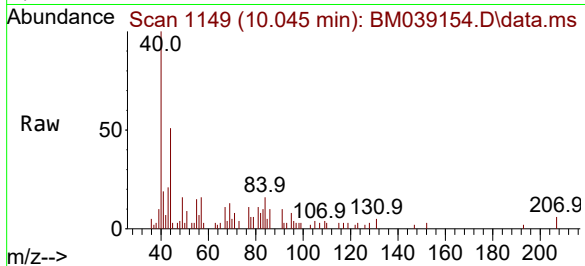




#32
Benzoic acid
Concen: 5.737 ng
RT: 10.045 min Scan# 1159
Delta R.T. -0.047 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

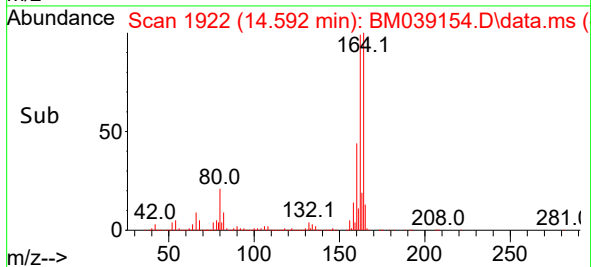
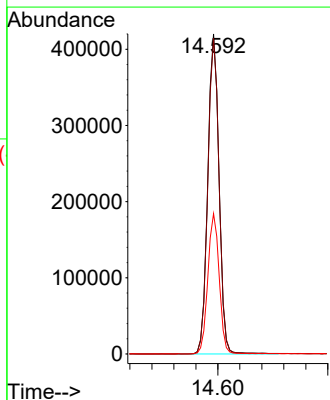
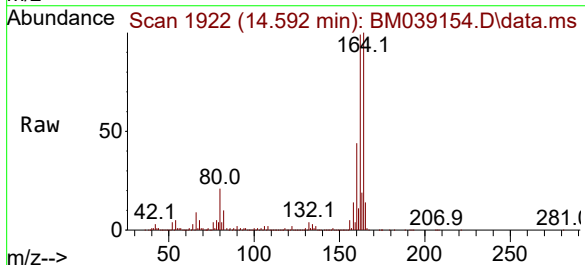
Instrument :
BNA_M
ClientSampleId :
OK-02-032323

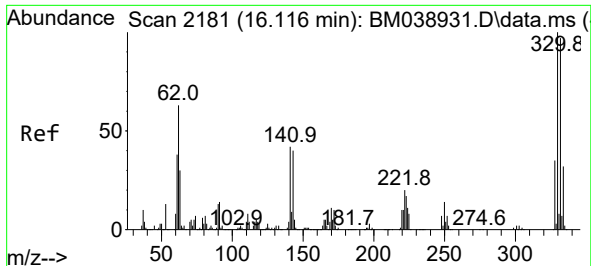
Tgt Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 171.9 104.2 144.2#
77 474.7 75.1 115.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

Tgt Ion:164 Resp: 595751
Ion Ratio Lower Upper
164 100
162 98.6 79.2 118.8
160 43.9 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 78.097 ng

RT: 16.080 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039154.D

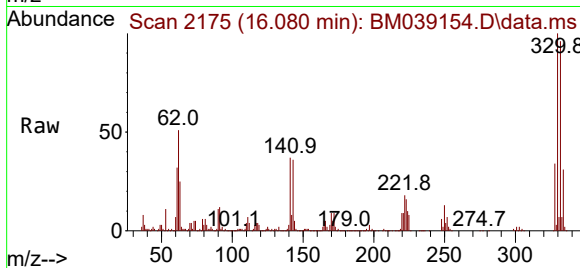
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Instrument :

BNA_M

ClientSampleId :

OK-02-032323



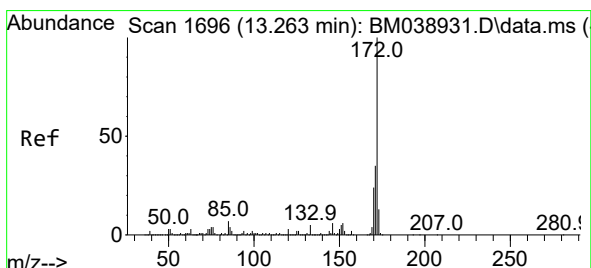
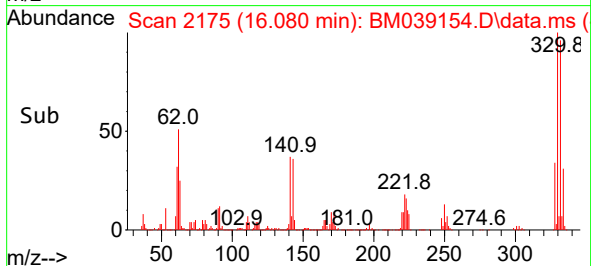
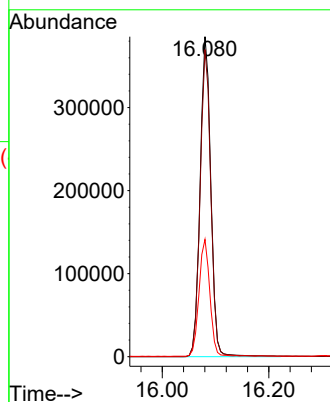
Tgt Ion:330 Resp: 538234

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

141 36.9 32.2 48.4



#45

2-Fluorobiphenyl

Concen: 42.080 ng

RT: 13.216 min Scan# 1688

Delta R.T. -0.006 min

Lab File: BM039154.D

Acq: 24 Mar 2023 22:51

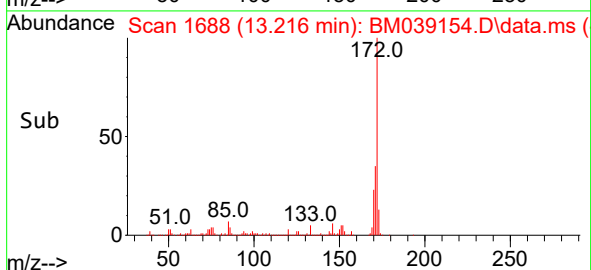
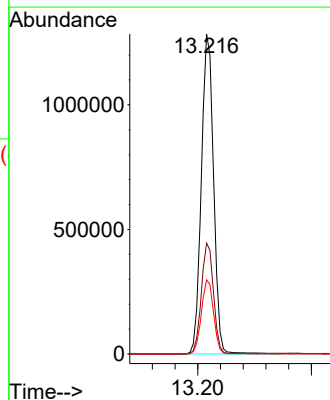
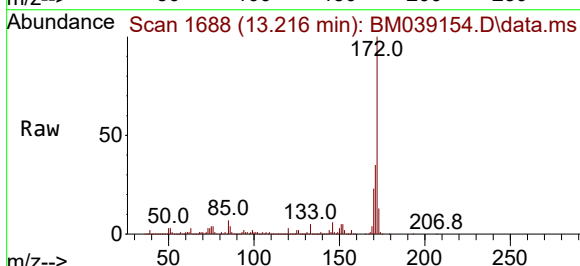
Tgt Ion:172 Resp: 1925745

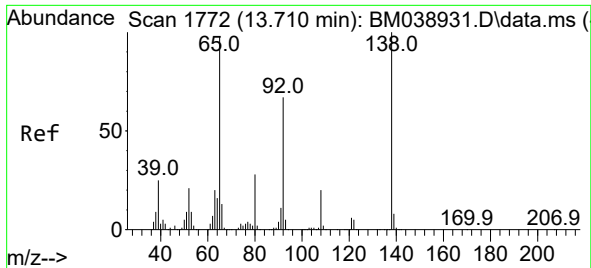
Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.2

170 23.2 19.1 28.7

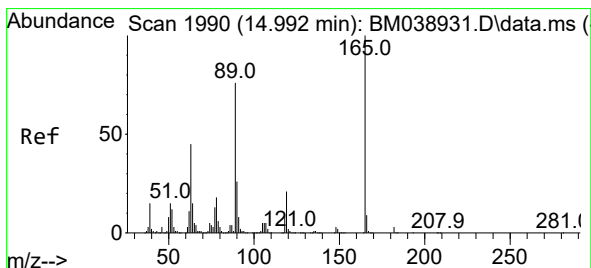
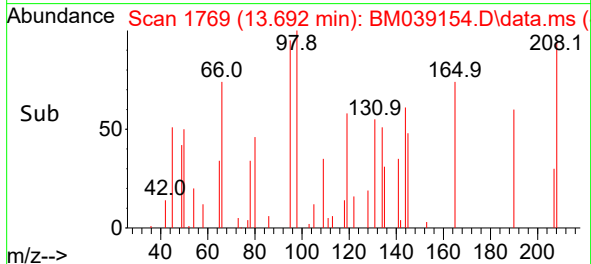
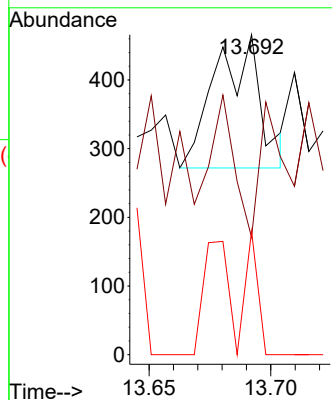
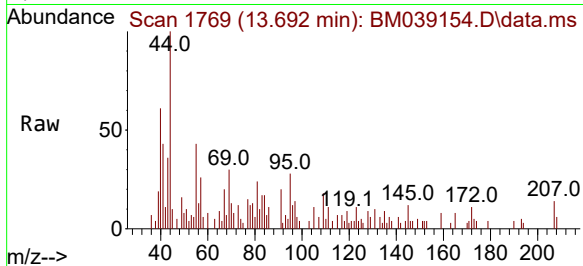




#48
2-Nitroaniline
Concen: 2.235 ng
RT: 13.692 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

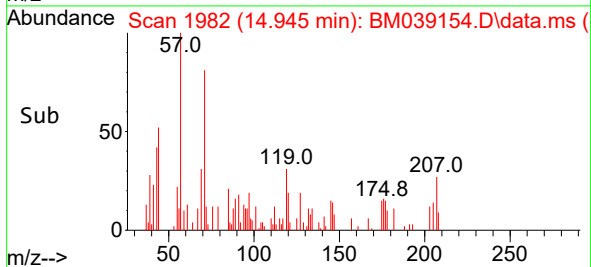
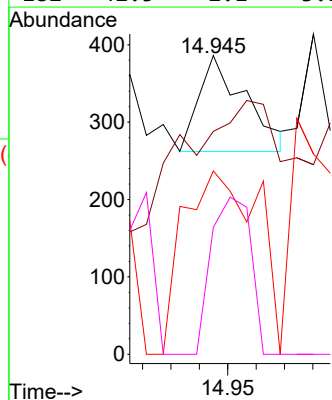
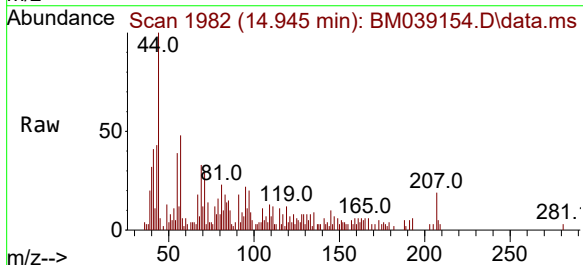
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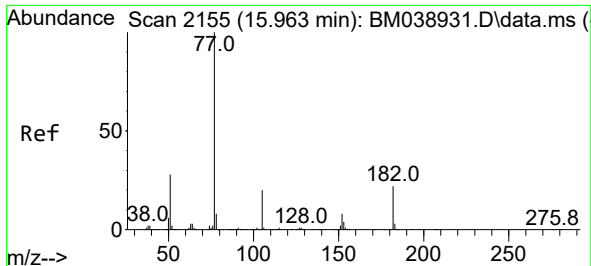
Tgt Ion: 65 Resp: 249
Ion Ratio Lower Upper
65 100
92 36.7 54.9 82.3#
138 38.6 81.6 122.4#



#57
2,4-Dinitrotoluene
Concen: 2.081 ng
RT: 14.945 min Scan# 1982
Delta R.T. -0.018 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

Tgt Ion:165 Resp: 140
Ion Ratio Lower Upper
165 100
63 74.6 35.9 53.9#
89 61.4 61.0 91.6
182 42.5 2.1 3.1#

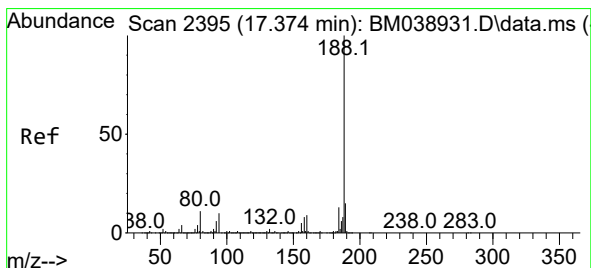
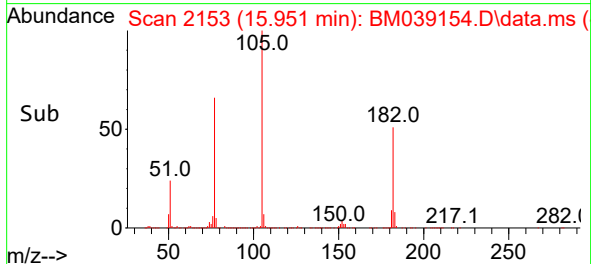
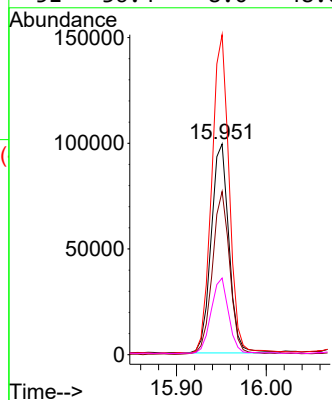
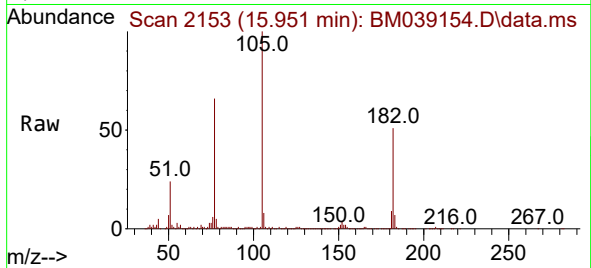




#63
Azobenzene
Concen: 2.887 ng
RT: 15.951 min Scan# 2155
Delta R.T. 0.018 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

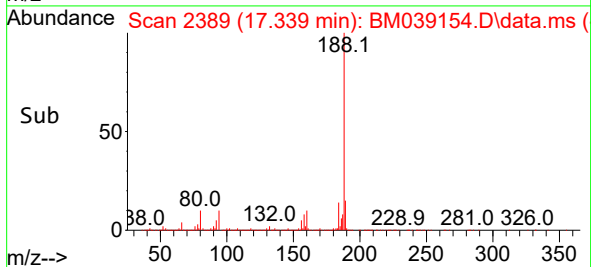
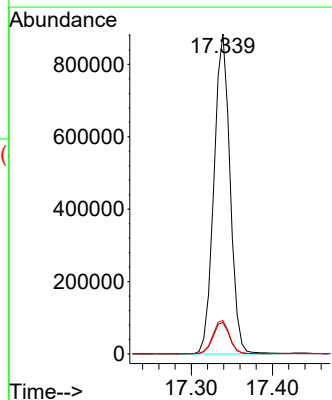
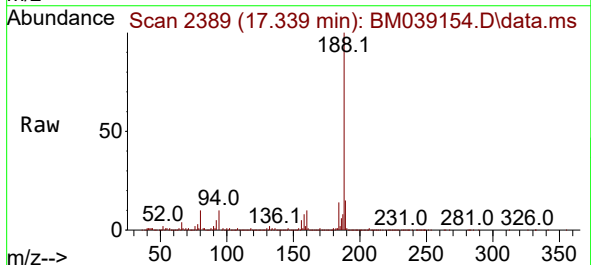
Instrument :
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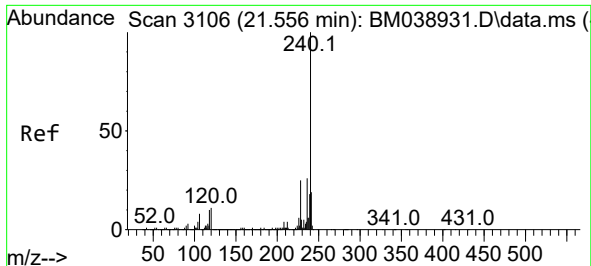
Tgt Ion: 77 Resp: 136250
Ion Ratio Lower Upper
77 100
182 77.5 2.0 42.0#
105 151.9 0.4 40.4#
51 36.4 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2389
Delta R.T. -0.006 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

Tgt Ion:188 Resp: 1218657
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 10.4 8.5 12.7

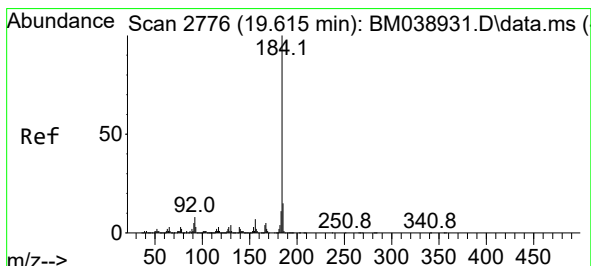
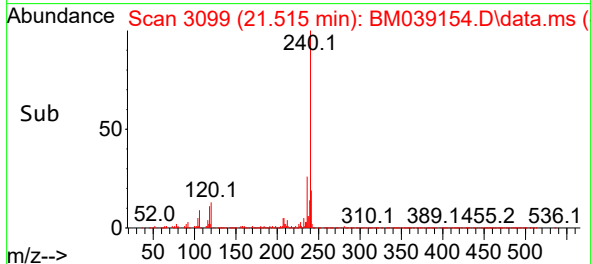
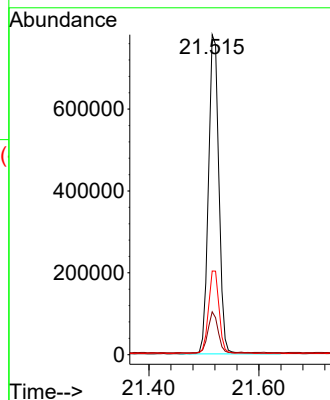
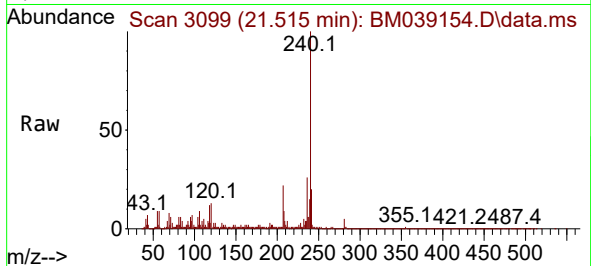




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 30
Delta R.T. -0.012 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

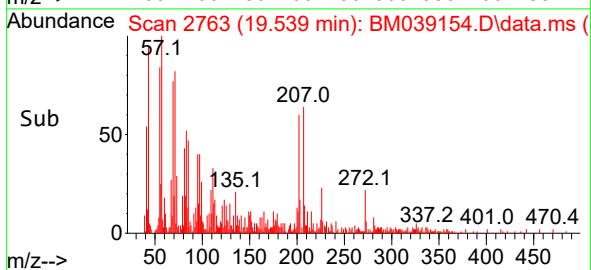
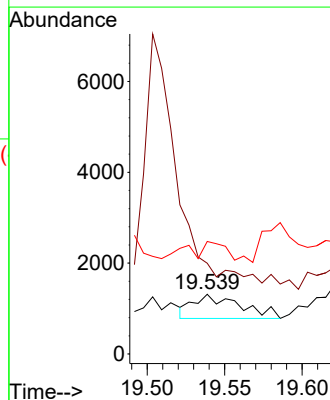
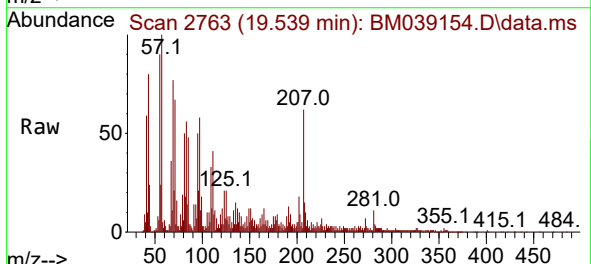
Instrument :
BNA_M
ClientSampleId :
OK-02-032323

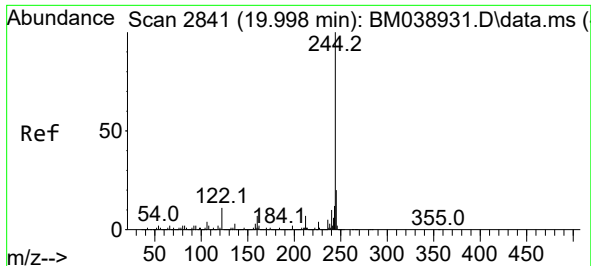
Tgt Ion:240 Resp: 1021689
Ion Ratio Lower Upper
240 100
120 13.4 9.2 13.8
236 26.1 20.8 31.2



#77
Benzidine
Concen: 4.919 ng
RT: 19.539 min Scan# 2763
Delta R.T. -0.047 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

Tgt Ion:184 Resp: 1118
Ion Ratio Lower Upper
184 100
185 151.9 12.2 18.4#
183 188.4 8.8 13.2#

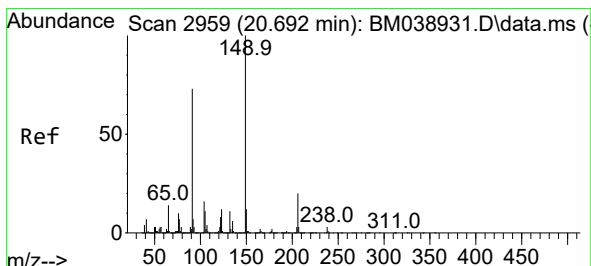
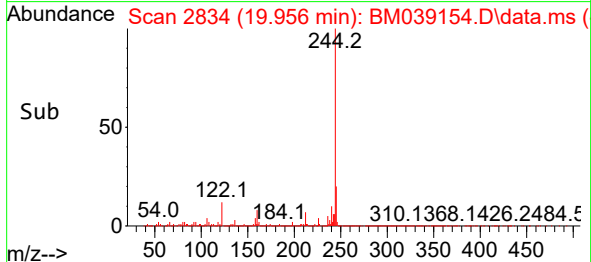
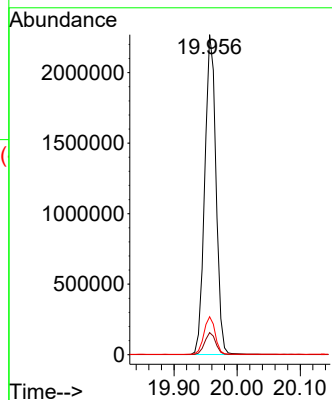
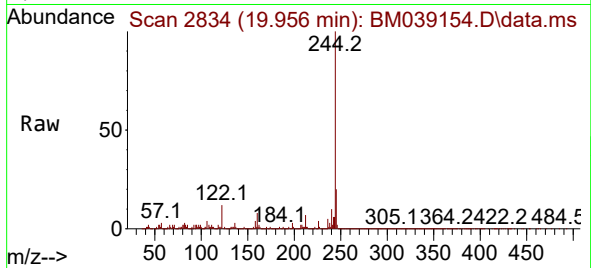




#79
 Terphenyl-d14
 Concen: 50.127 ng
 RT: 19.956 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039154.D
 Acq: 24 Mar 2023 22:51

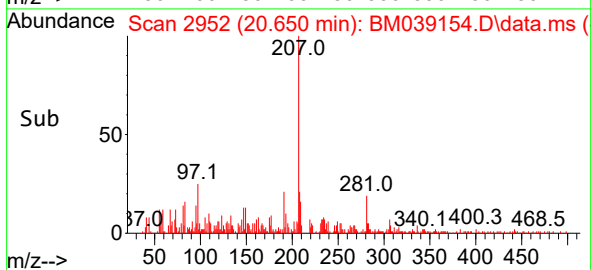
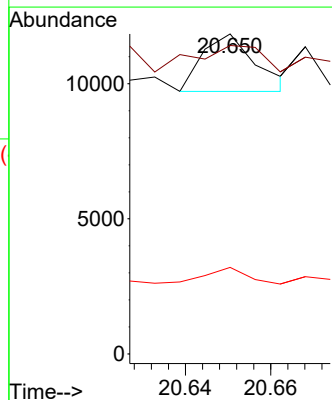
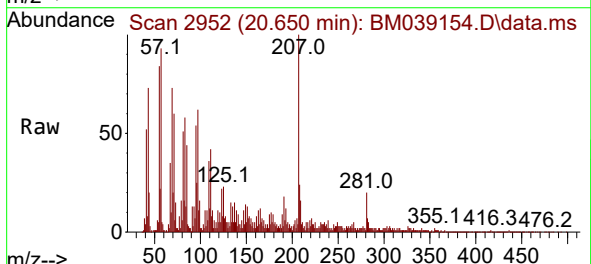
Instrument :
 BNA_M
 ClientSampleId :
 OK-02-032323

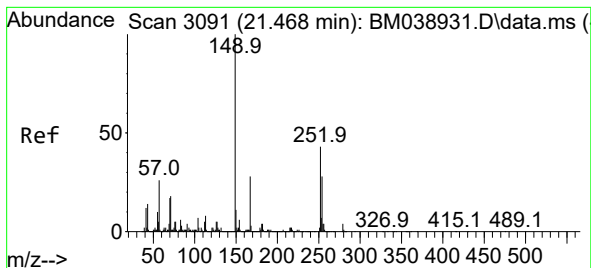
Tgt Ion:244 Resp: 2801129
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 11.9 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.368 ng
 RT: 20.650 min Scan# 2952
 Delta R.T. -0.006 min
 Lab File: BM039154.D
 Acq: 24 Mar 2023 22:51

Tgt Ion:149 Resp: 1841
 Ion Ratio Lower Upper
 149 100
 91 96.4 58.4 87.6#
 206 27.0 16.1 24.1#

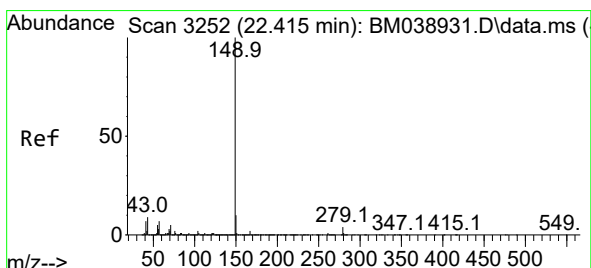
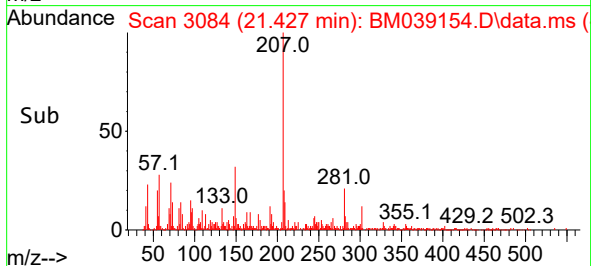
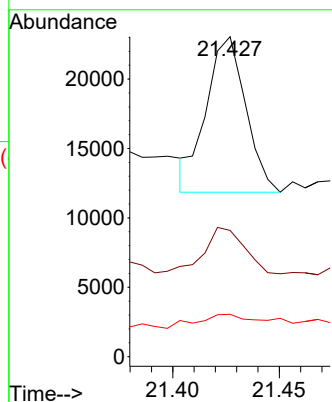
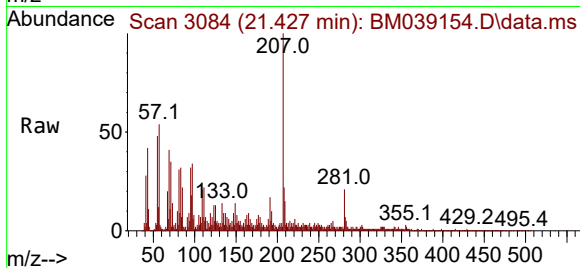




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.774 ng
RT: 21.427 min Scan# 3091
Delta R.T. -0.006 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

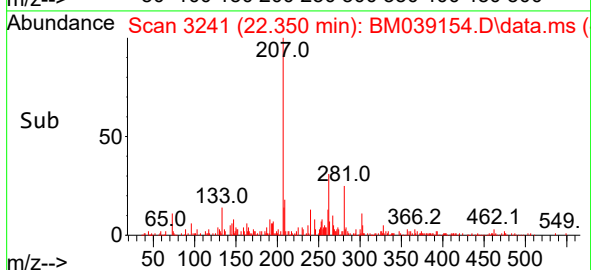
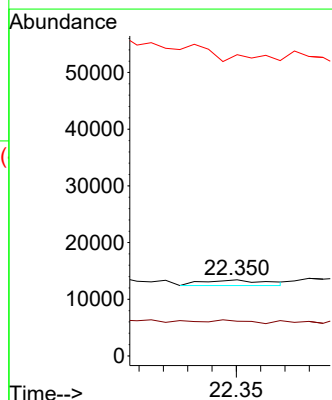
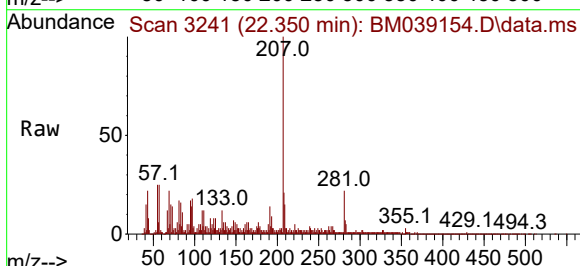
Instrument :
BNA_M
ClientSampleId :
OK-02-032323

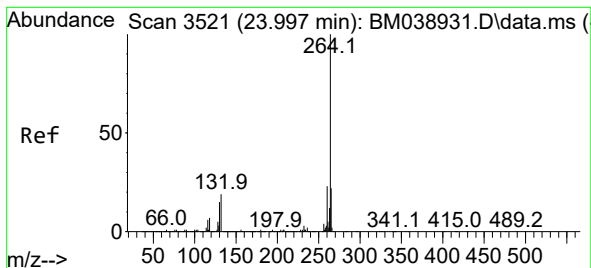
Tgt Ion:149 Resp: 14382
Ion Ratio Lower Upper
149 100
167 39.4 22.3 33.5#
279 13.2 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 3.817 ng
RT: 22.350 min Scan# 3241
Delta R.T. -0.018 min
Lab File: BM039154.D
Acq: 24 Mar 2023 22:51

Tgt Ion:149 Resp: 1777
Ion Ratio Lower Upper
149 100
167 30.9 1.2 1.8#
43 0.0 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.950 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039154.D

Acq: 24 Mar 2023 22:51

Instrument :

BNA_M

ClientSampleId :

OK-02-032323

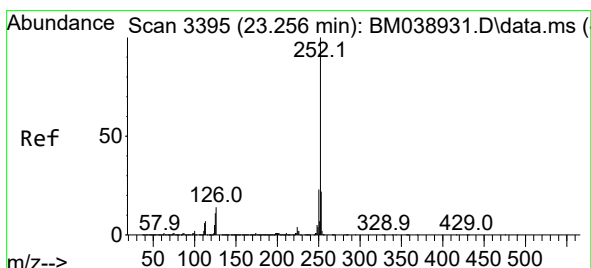
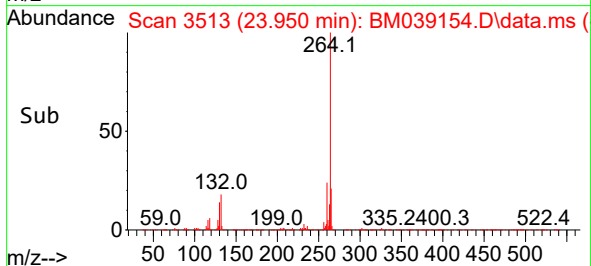
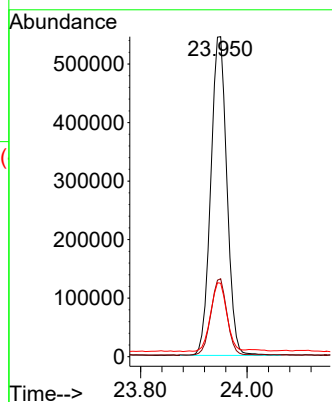
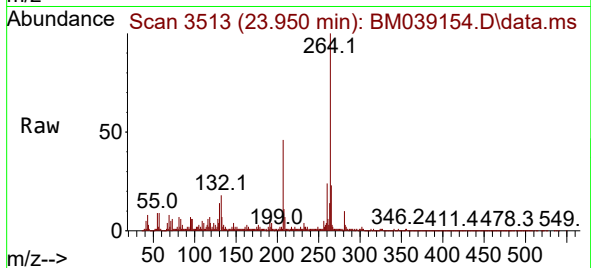
Tgt Ion:264 Resp: 1145066

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

265 23.0 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 2.171 ng

RT: 23.203 min Scan# 3386

Delta R.T. -0.012 min

Lab File: BM039154.D

Acq: 24 Mar 2023 22:51

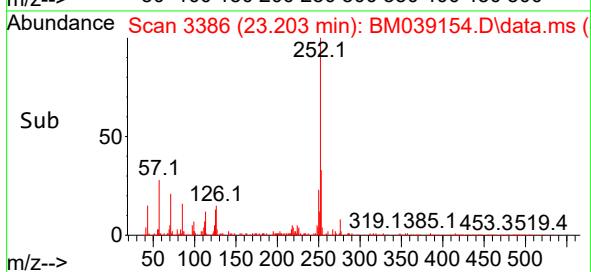
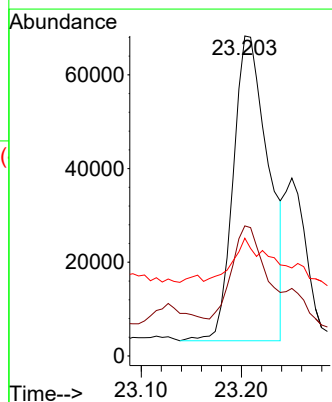
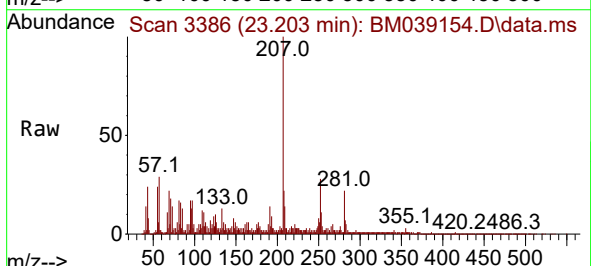
Tgt Ion:252 Resp: 158833

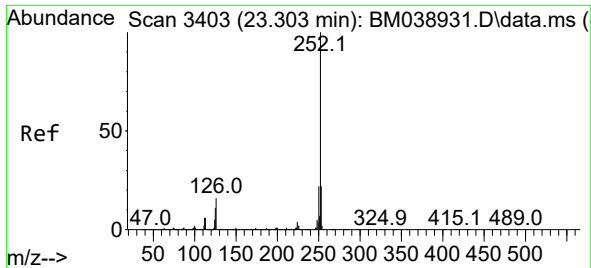
Ion Ratio Lower Upper

252 100

253 40.7 17.6 26.4#

125 36.8 8.8 13.2#





#89

Benzo(k)fluoranthene

Concen: 2.086 ng

RT: 23.203 min Scan# 31

Delta R.T. -0.065 min

Lab File: BM039154.D

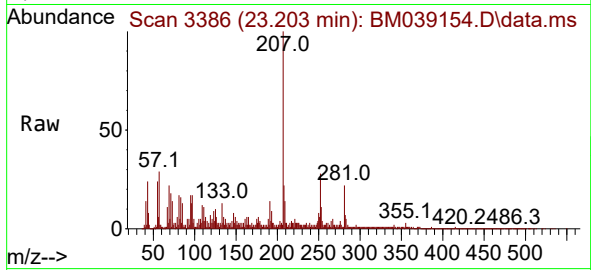
Acq: 24 Mar 2023 22:51

Instrument :

BNA_M

ClientSampleId :

OK-02-032323



Tgt Ion:252 Resp: 158833

Ion Ratio Lower Upper

252 100

253 40.7 17.5 26.3#

125 36.8 8.9 13.3#

