

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039101.D
 Acq On : 22 Mar 2023 20:43
 Operator : CG/JU
 Sample : 02016-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 032023-1

Quant Time: Mar 23 04:26:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

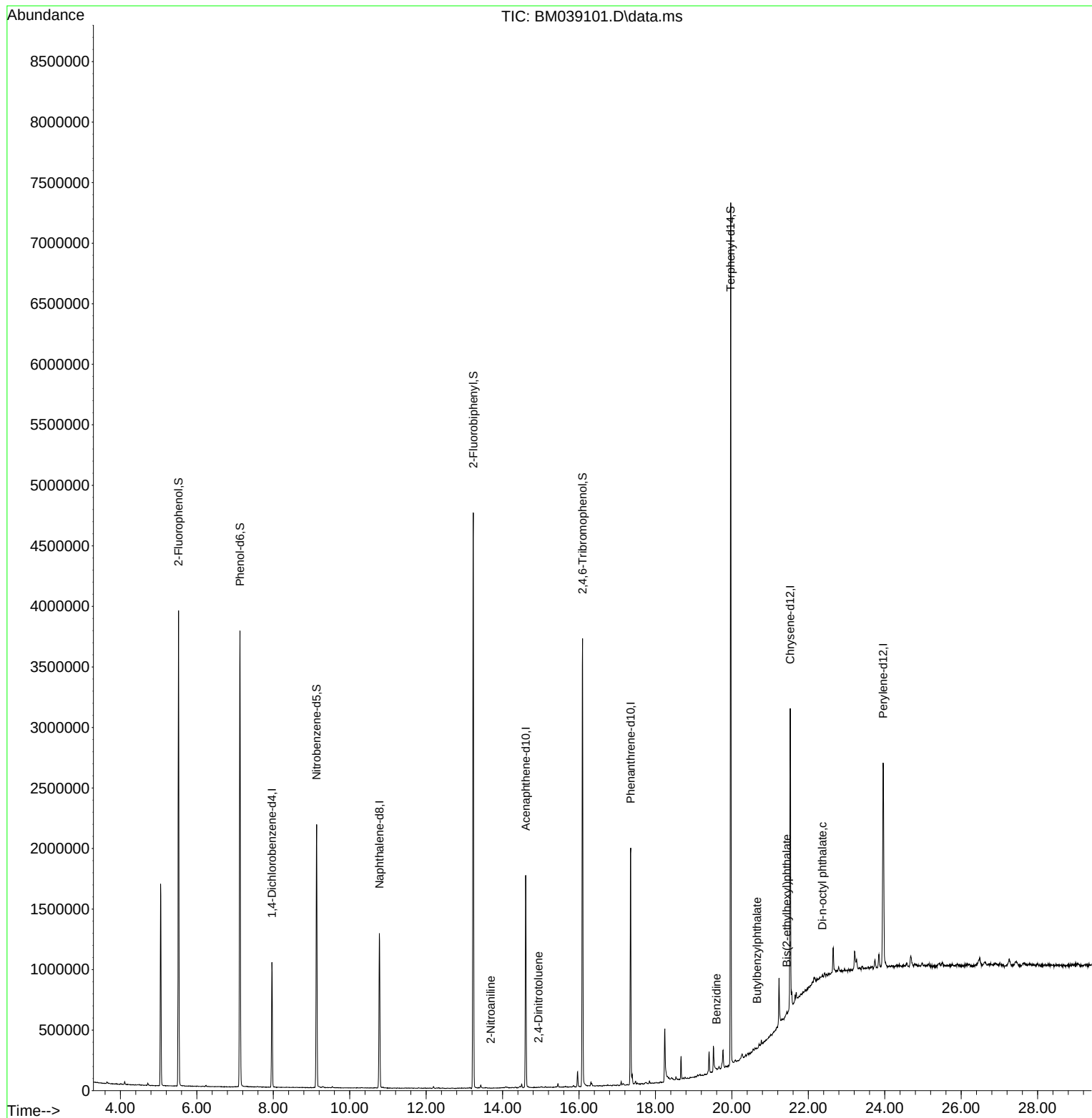
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	268553	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	1039241	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	577163	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1155323	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1088826	20.000	ng	0.00
86) Perylene-d12	23.956	264	1244139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1672849	94.638	ng	0.00
7) Phenol-d6	7.128	99	2119915	92.332	ng	0.00
23) Nitrobenzene-d5	9.134	82	1213308	57.349	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	605865	90.741	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	2383411	53.758	ng	0.00
79) Terphenyl-d14	19.968	244	3133296	52.614	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.692	65	417	2.249	ng	# 6
57) 2,4-Dinitrotoluene	14.939	165	58	2.076	ng	# 20
77) Benzidine	19.598	184	124	4.881	ng	# 1
80) Butylbenzylphthalate	20.657	149	673	3.334	ng	94
84) Bis(2-ethylhexyl)phtha...	21.439	149	9333	2.661	ng	# 91
85) Di-n-octyl phthalate	22.368	149	2808	3.827	ng	# 44

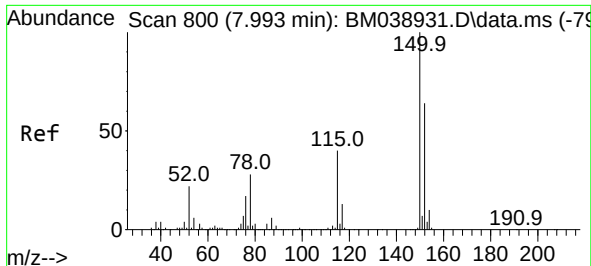
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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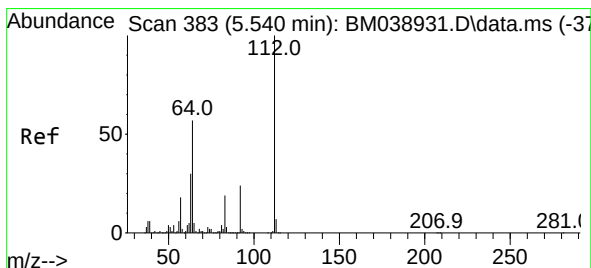
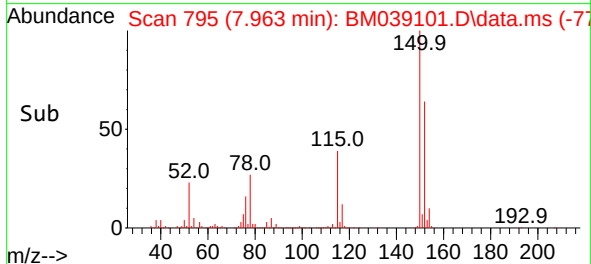
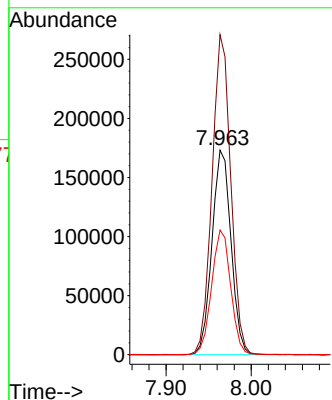
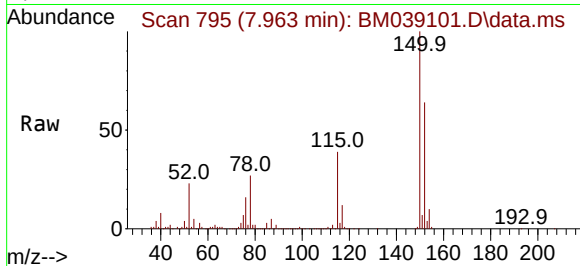




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

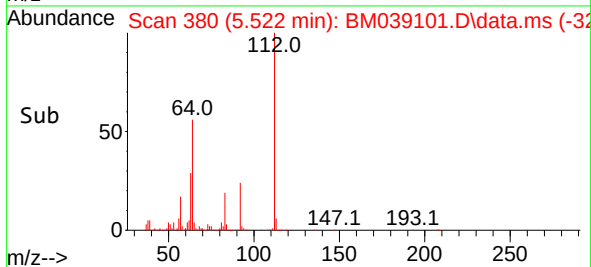
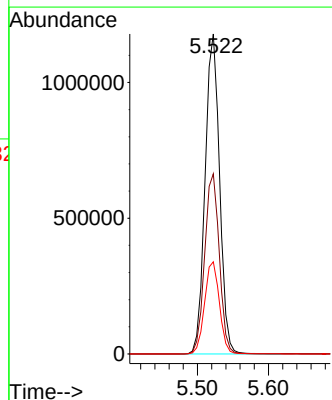
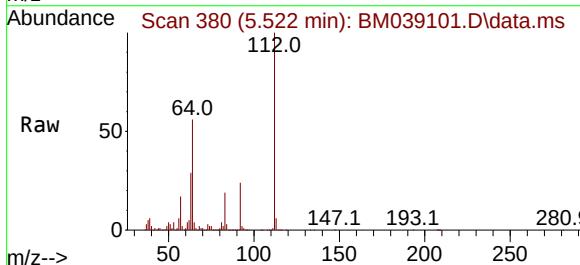
Instrument :
BNA_M
ClientSampleId :
032023-1

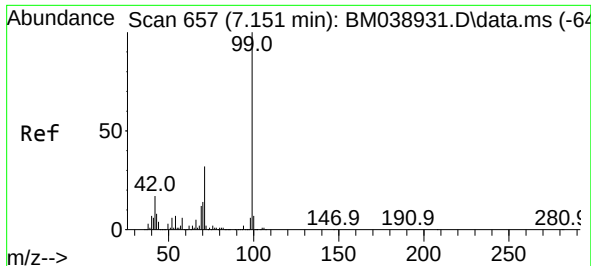
Tgt Ion:152 Resp: 268553
Ion Ratio Lower Upper
152 100
150 156.4 125.1 187.7
115 61.0 49.6 74.4



#5
2-Fluorophenol
Concen: 94.638 ng
RT: 5.522 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

Tgt Ion:112 Resp: 1672849
Ion Ratio Lower Upper
112 100
64 56.3 45.9 68.9
63 28.8 23.8 35.8

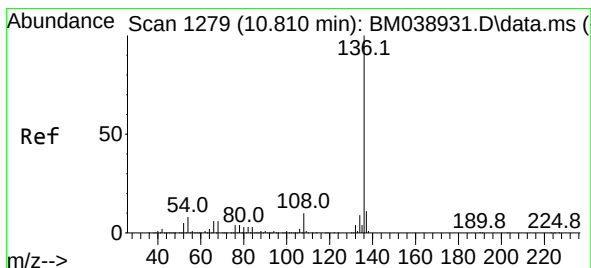
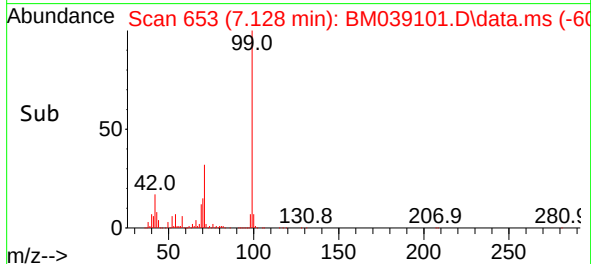
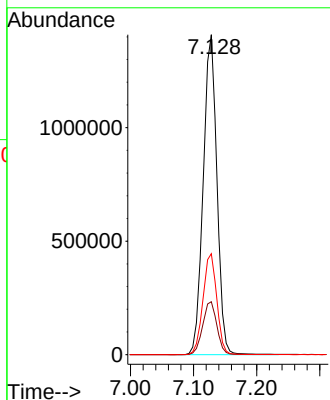
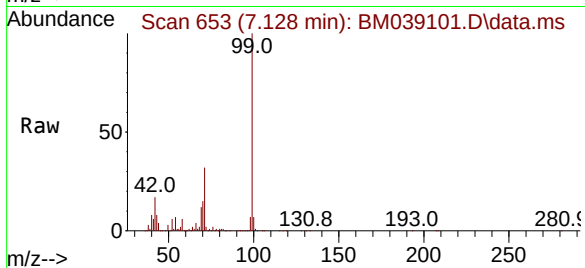




#7
Phenol-d6
Concen: 92.332 ng
RT: 7.128 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

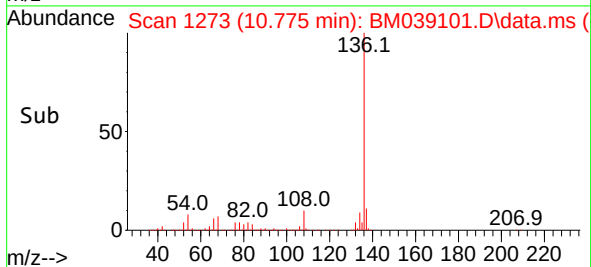
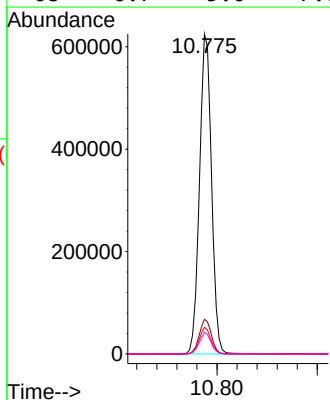
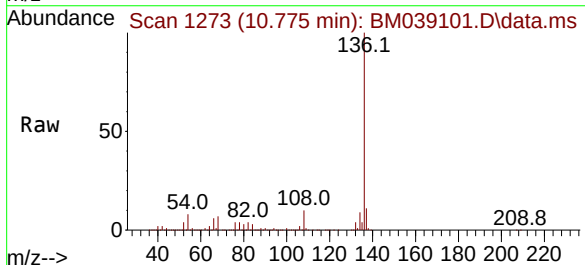
Instrument :
BNA_M
ClientSampleId :
032023-1

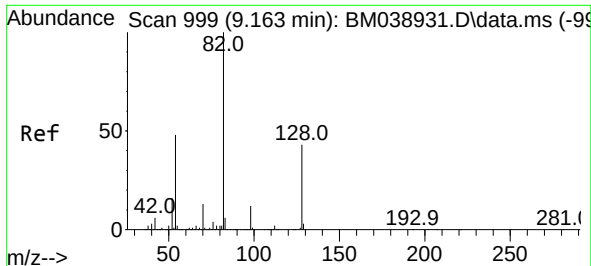
Tgt Ion: 99 Resp: 2119915
Ion Ratio Lower Upper
99 100
42 16.5 13.5 20.3
71 31.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

Tgt Ion: 136 Resp: 1039241
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.4 6.3 9.5
68 6.7 5.0 7.6

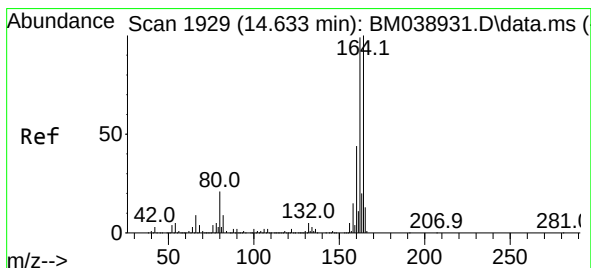
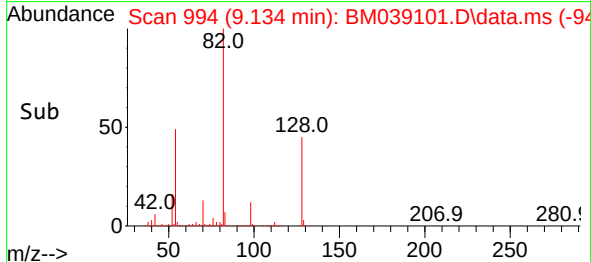
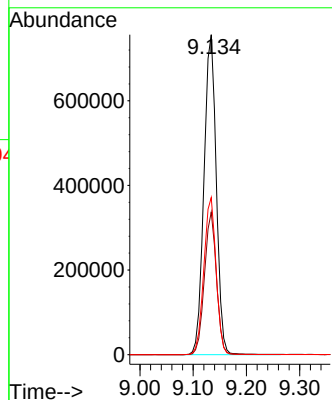
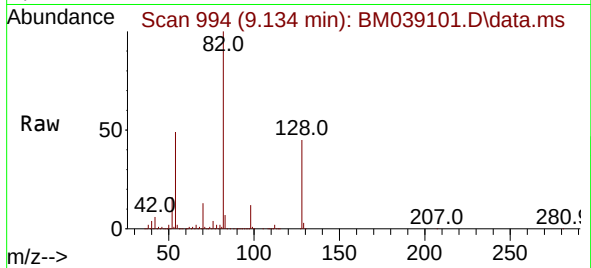




#23
Nitrobenzene-d5
Concen: 57.349 ng
RT: 9.134 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

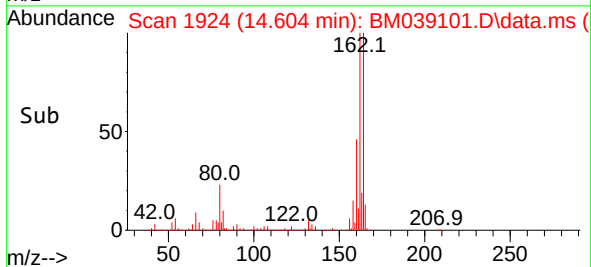
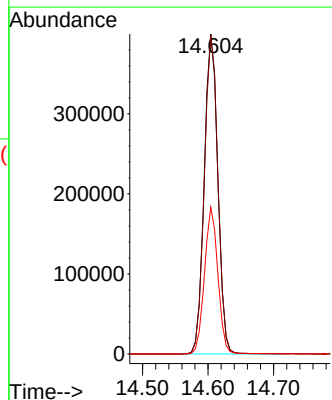
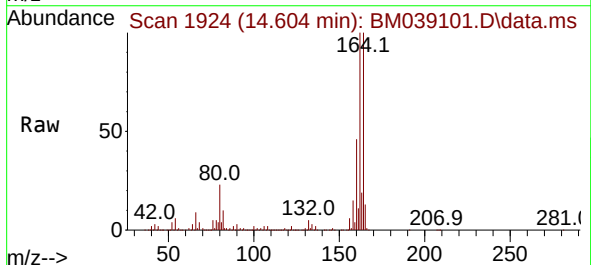
Instrument :
BNA_M
ClientSampleId :
032023-1

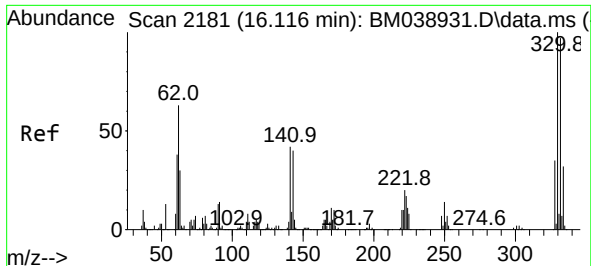
Tgt Ion: 82 Resp: 1213308
Ion Ratio Lower Upper
82 100
128 44.5 34.4 51.6
54 49.1 38.8 58.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

Tgt Ion: 164 Resp: 577163
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 45.9 35.5 53.3

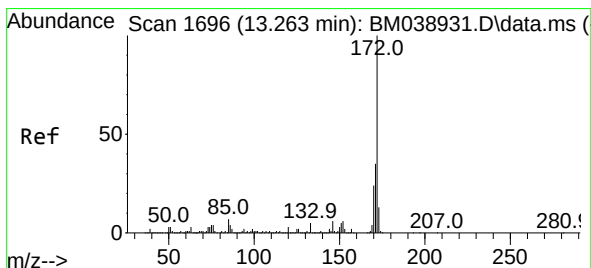
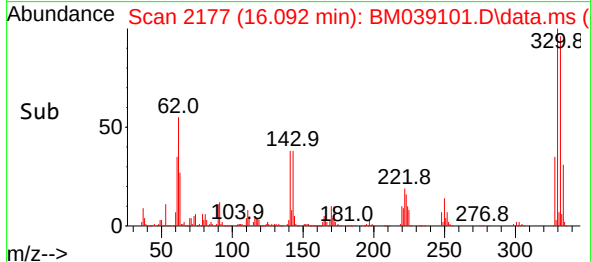
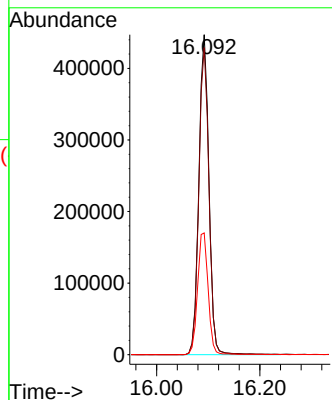
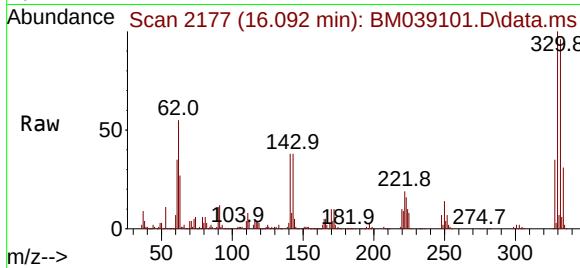




#42
2,4,6-Tribromophenol
Concen: 90.741 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

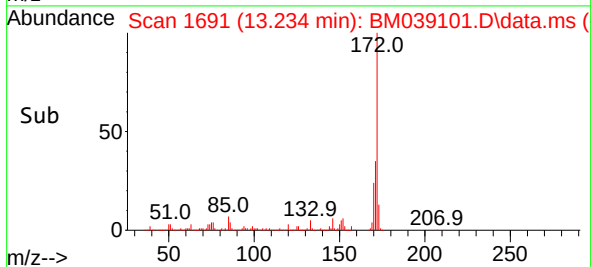
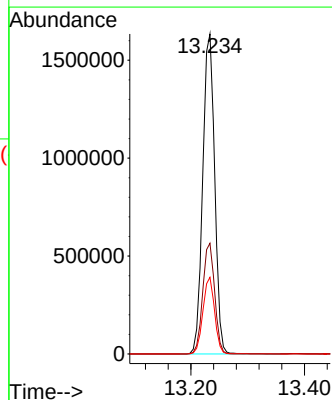
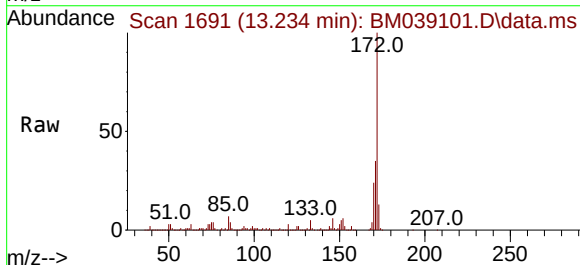
Instrument :
BNA_M
ClientSampleId :
032023-1

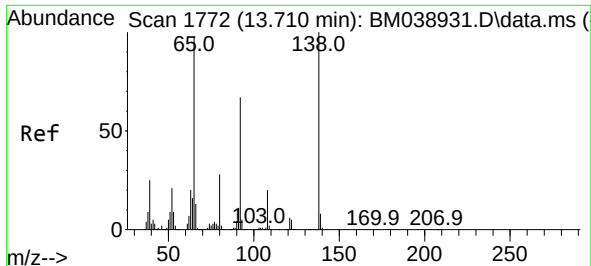
Tgt Ion:330 Resp: 605865
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 39.7 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 53.758 ng
RT: 13.234 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

Tgt Ion:172 Resp: 2383411
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.9 19.1 28.7

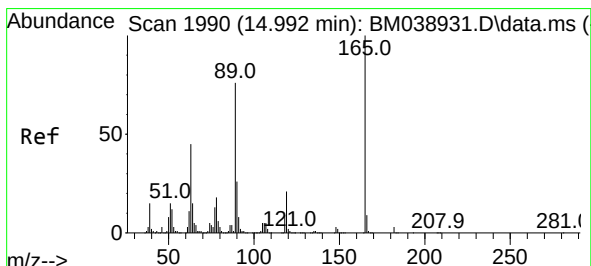
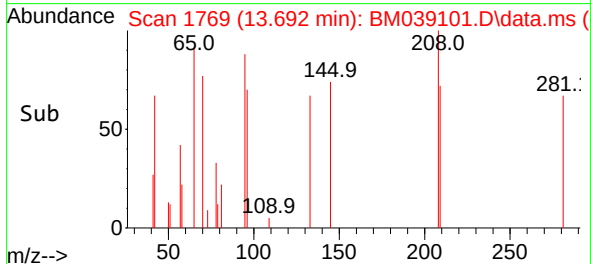
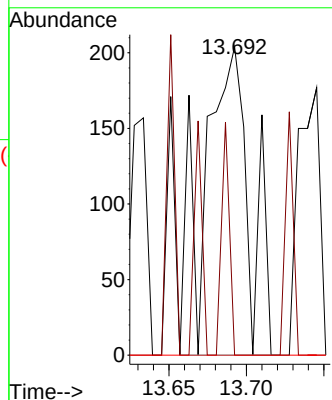
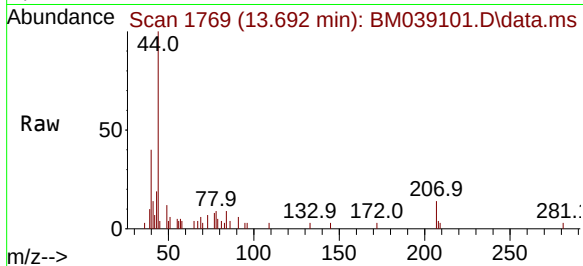




#48
2-Nitroaniline
Concen: 2.249 ng
RT: 13.692 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

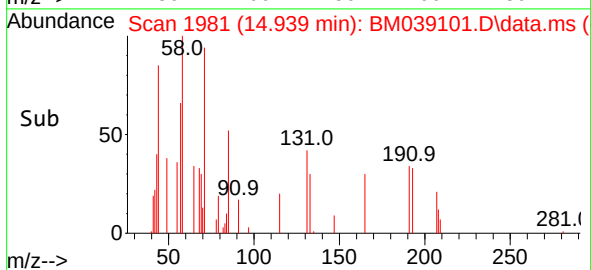
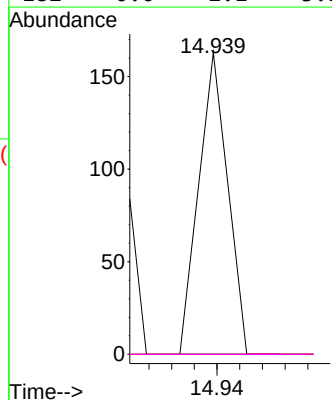
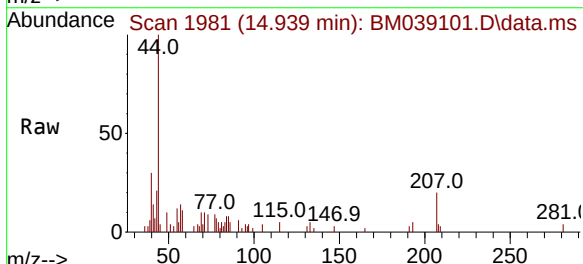
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BNA_M
ClientSampleId :
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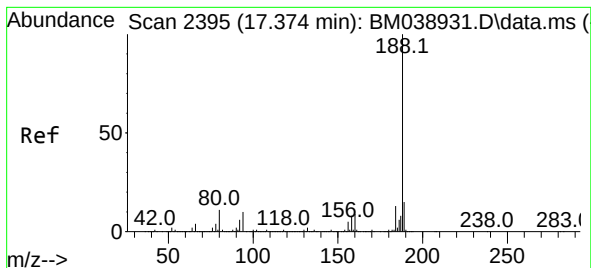
Tgt Ion: 65 Resp: 417
Ion Ratio Lower Upper
65 100
92 0.0 54.9 82.3#
138 0.0 81.6 122.4#



#57
2,4-Dinitrotoluene
Concen: 2.076 ng
RT: 14.939 min Scan# 1981
Delta R.T. -0.029 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

Tgt Ion: 165 Resp: 58
Ion Ratio Lower Upper
165 100
63 0.0 35.9 53.9#
89 0.0 61.0 91.6#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039101.D

Acq: 22 Mar 2023 20:43

Instrument :

BNA_M

ClientSampleId :

032023-1

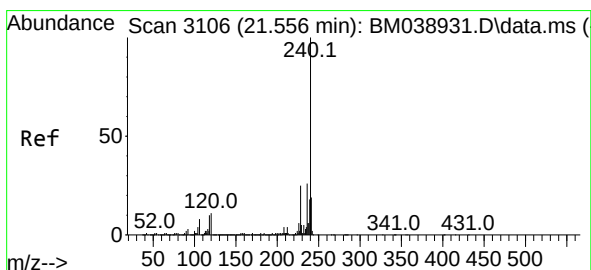
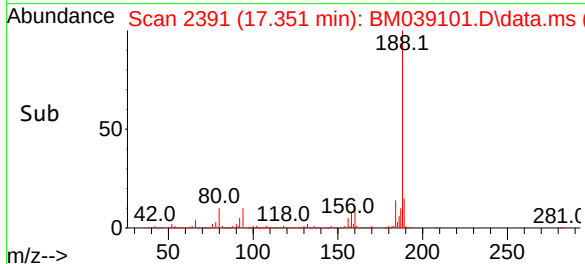
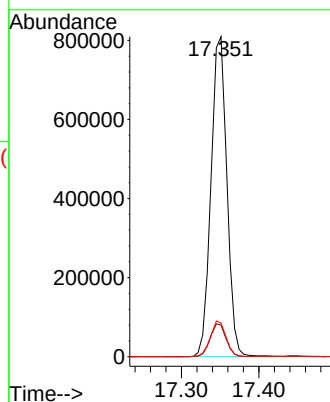
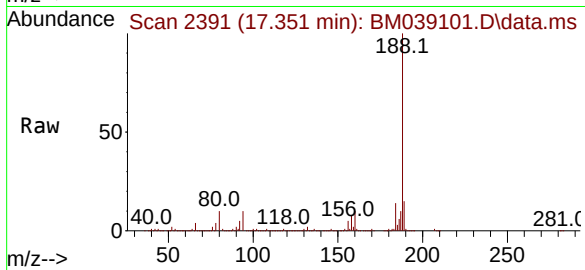
Tgt Ion:188 Resp: 1155323

Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 10.5 8.5 12.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM039101.D

Acq: 22 Mar 2023 20:43

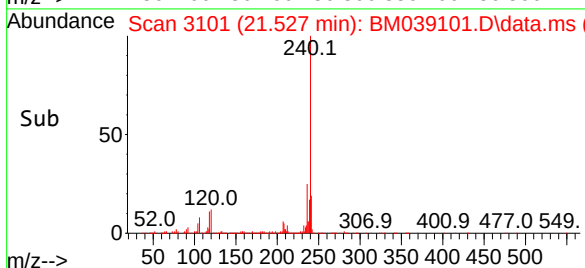
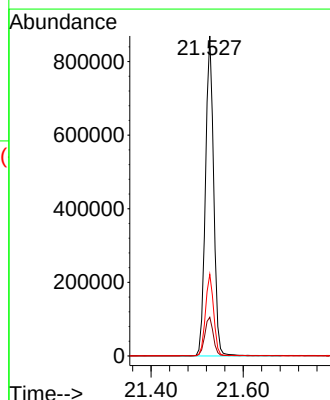
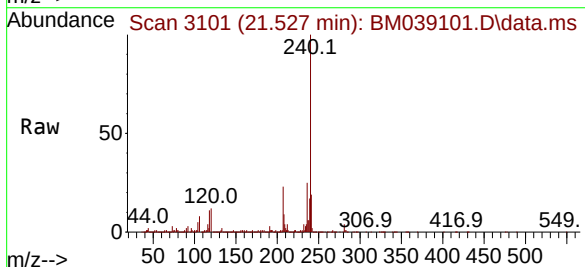
Tgt Ion:240 Resp: 1088826

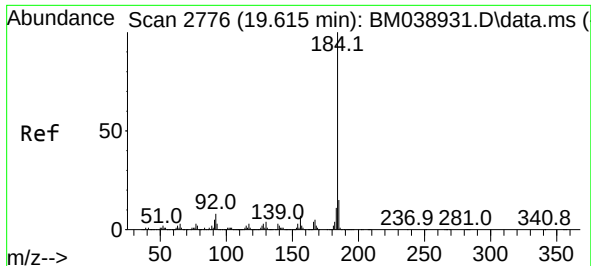
Ion Ratio Lower Upper

240 100

120 12.1 9.2 13.8

236 25.5 20.8 31.2

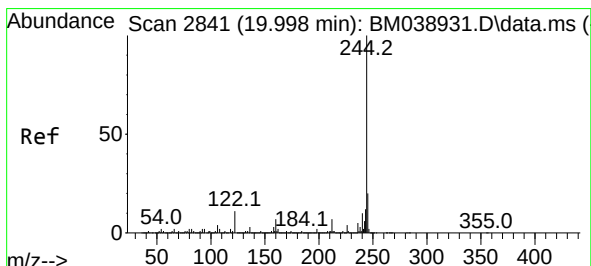
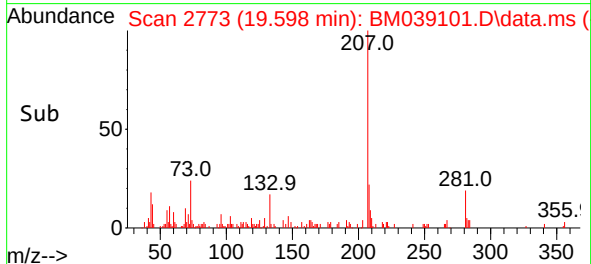
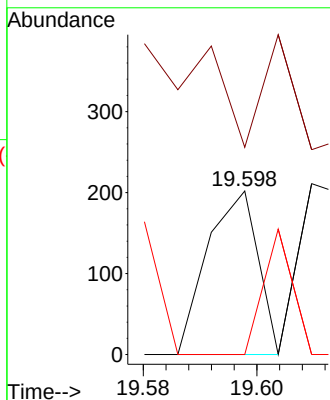
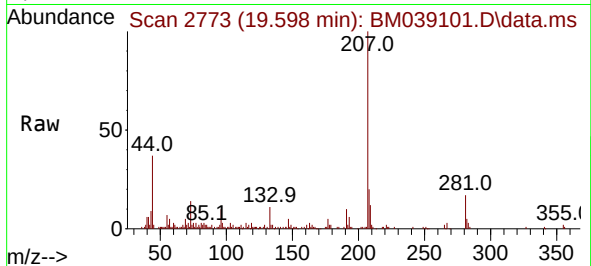




#77
Benzidine
Concen: 4.881 ng
RT: 19.598 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

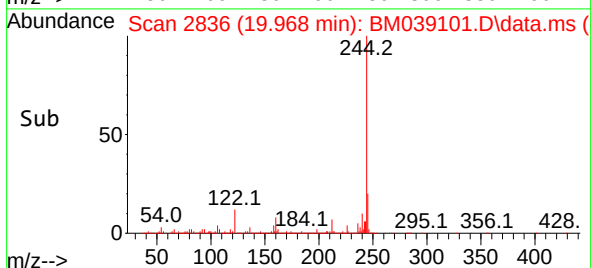
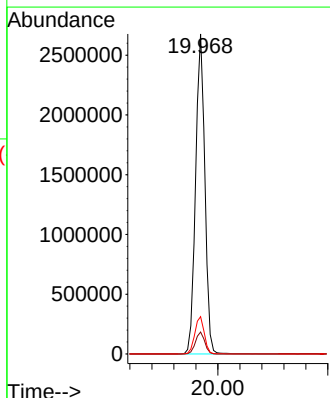
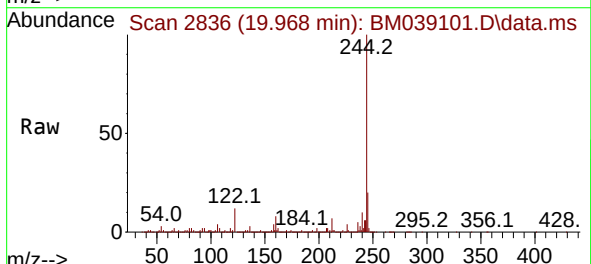
Instrument :
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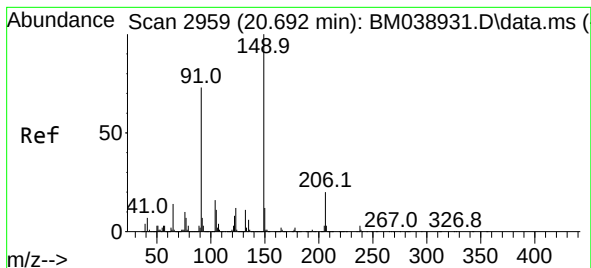
Tgt Ion:184 Resp: 124
Ion Ratio Lower Upper
184 100
185 126.7 12.2 18.4#
183 0.0 8.8 13.2#



#79
Terphenyl-d14
Concen: 52.614 ng
RT: 19.968 min Scan# 2836
Delta R.T. 0.000 min
Lab File: BM039101.D
Acq: 22 Mar 2023 20:43

Tgt Ion:244 Resp: 3133296
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.7 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.334 ng

RT: 20.657 min Scan# 2953

Delta R.T. -0.006 min

Lab File: BM039101.D

Acq: 22 Mar 2023 20:43

Instrument :

BNA_M

ClientSampleId :

032023-1

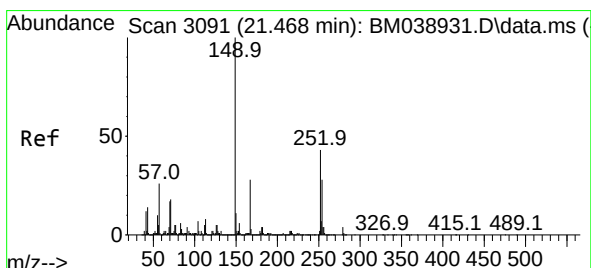
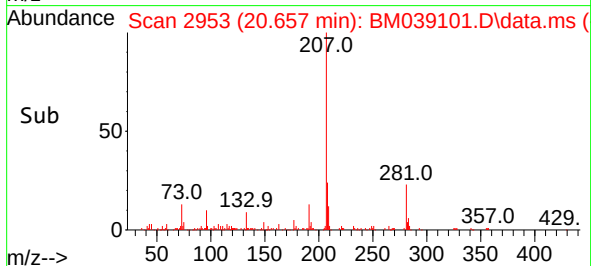
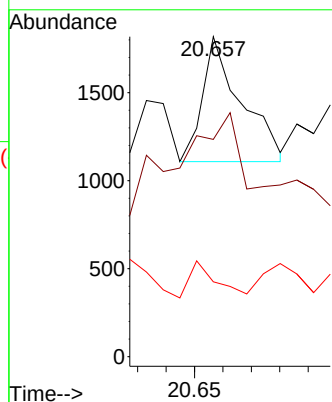
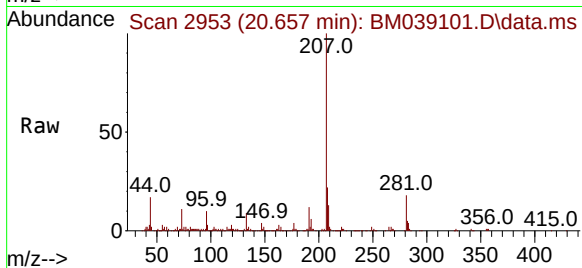
Tgt Ion:149 Resp: 673

Ion Ratio Lower Upper

149 100

91 67.9 58.4 87.6

206 23.4 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.661 ng

RT: 21.439 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM039101.D

Acq: 22 Mar 2023 20:43

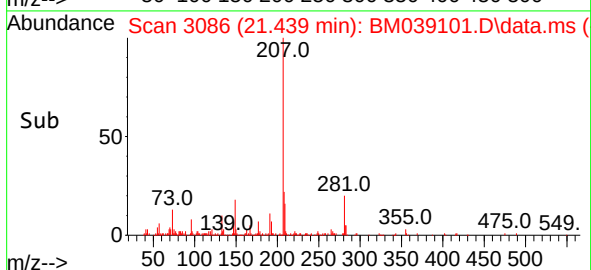
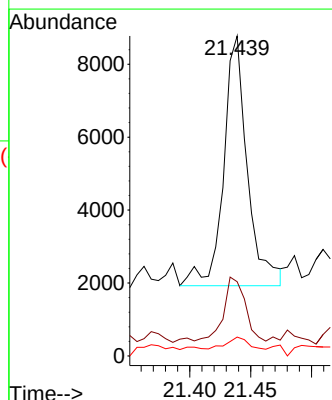
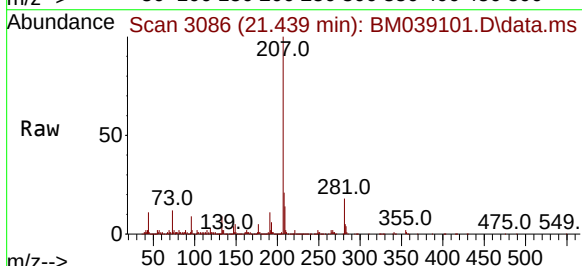
Tgt Ion:149 Resp: 9333

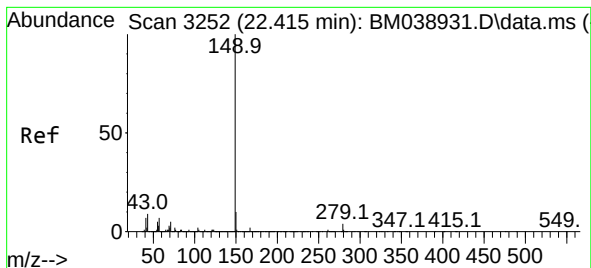
Ion Ratio Lower Upper

149 100

167 23.2 22.3 33.5

279 5.9 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 3.827 ng

RT: 22.368 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039101.D

Acq: 22 Mar 2023 20:43

Instrument :

BNA_M

ClientSampleId :

032023-1

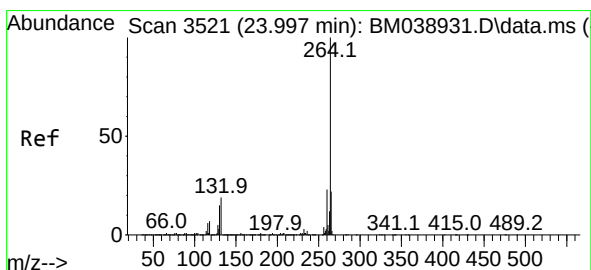
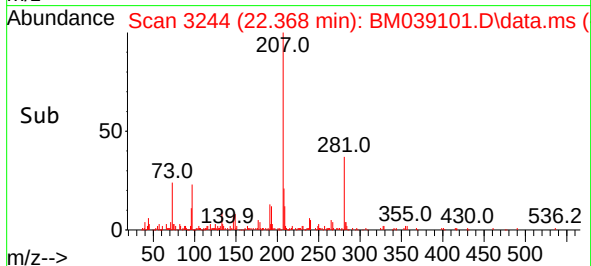
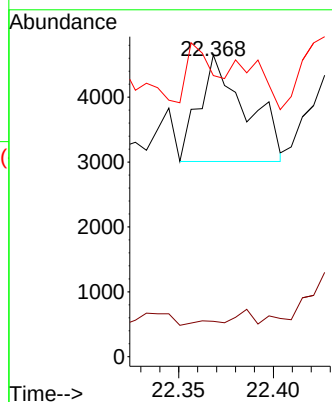
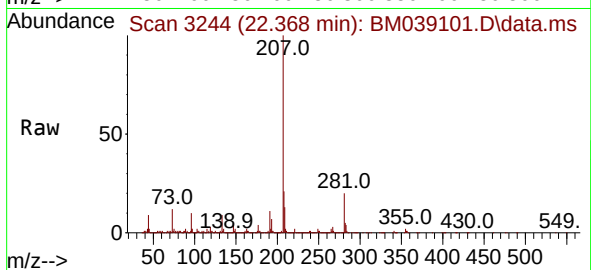
Tgt Ion:149 Resp: 2808

Ion Ratio Lower Upper

149 100

167 13.9 1.2 1.8#

43 31.2 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.956 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BM039101.D

Acq: 22 Mar 2023 20:43

Tgt Ion:264 Resp: 1244139

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 22.4 17.9 26.9

