

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039098.D
 Acq On : 22 Mar 2023 18:48
 Operator : CG/JU
 Sample : 02001-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRV-1

Quant Time: Mar 23 04:25:30 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)

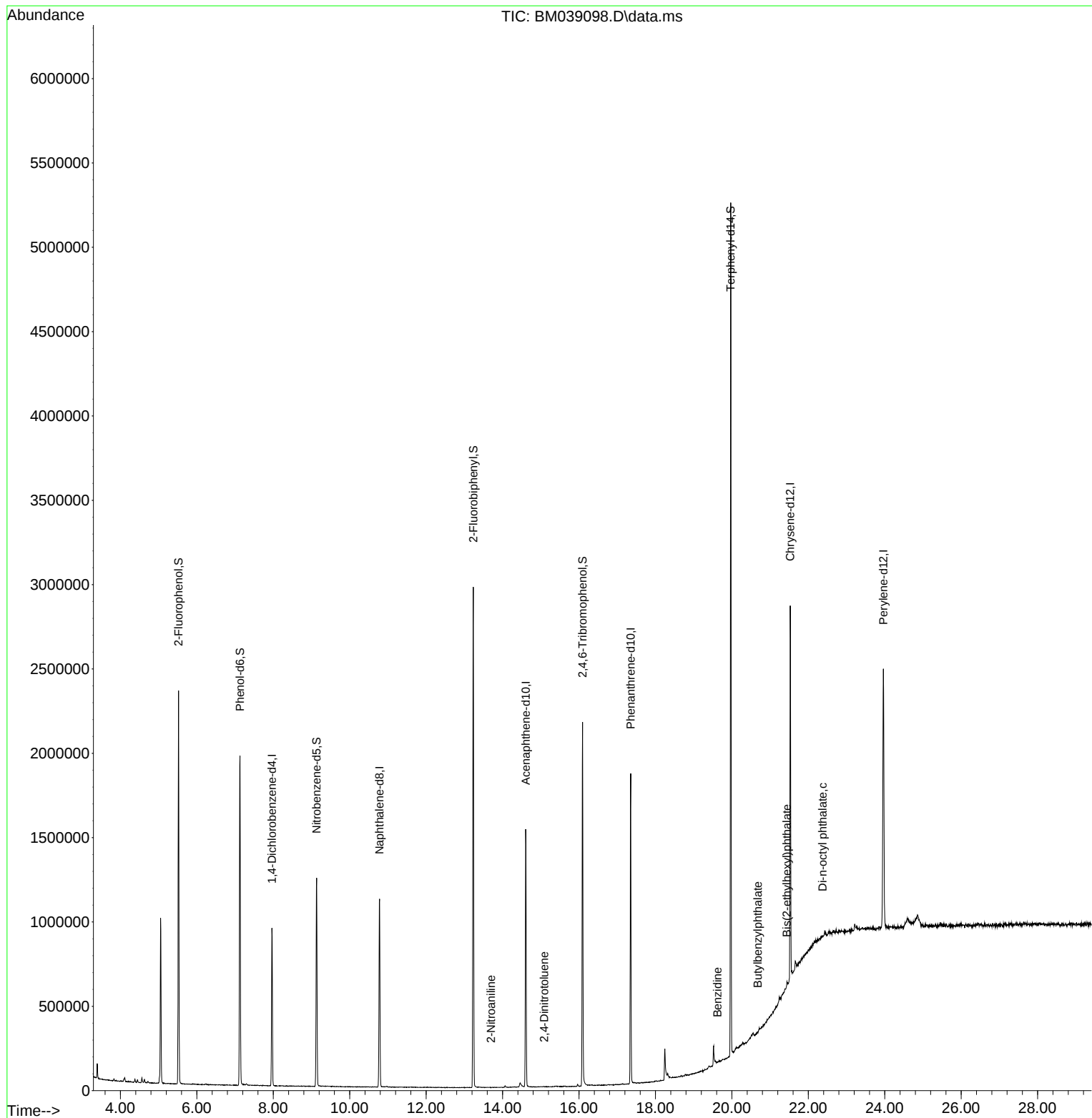
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	247433	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	922269	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	512530	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1059495	20.000	ng	0.00
76) Chrysene-d12	21.527	240	994458	20.000	ng	0.00
86) Perylene-d12	23.962	264	1125657	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	983926	60.415	ng	0.00
7) Phenol-d6	7.128	99	1157156	54.701	ng	0.00
23) Nitrobenzene-d5	9.134	82	716305	38.151	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	354477	59.785	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	1483668	37.684	ng	0.00
79) Terphenyl-d14	19.968	244	2268935	41.715	ng	0.00
Target Compounds						
					Qvalue	
48) 2-Nitroaniline	13.698	65	141	2.228	ng	# 6
57) 2,4-Dinitrotoluene	15.086	165	111	2.081	ng	# 14
77) Benzidine	19.621	184	1652	4.942	ng	# 70
80) Butylbenzylphthalate	20.674	149	319	3.325	ng	# 64
84) Bis(2-ethylhexyl)phtha...	21.439	149	6900	2.627	ng	# 92
85) Di-n-octyl phthalate	22.374	149	878	3.807	ng	# 1

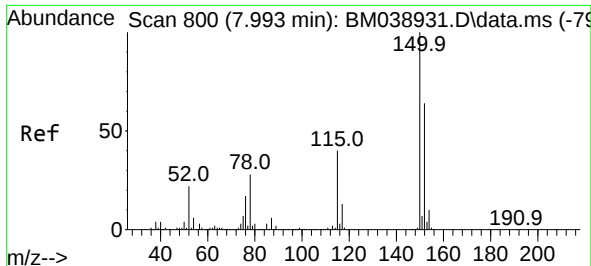
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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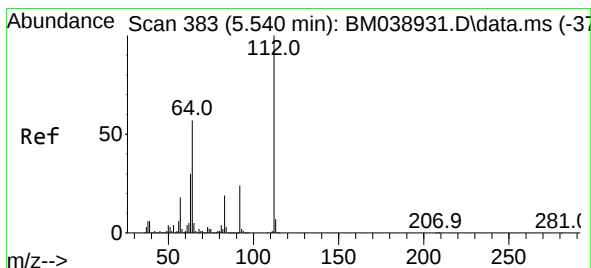
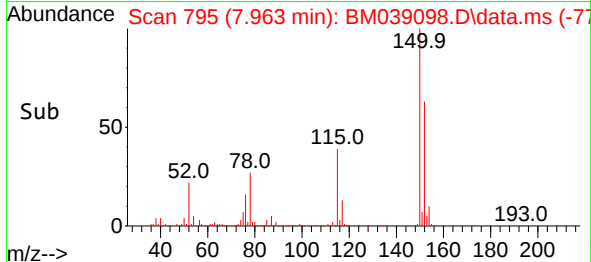
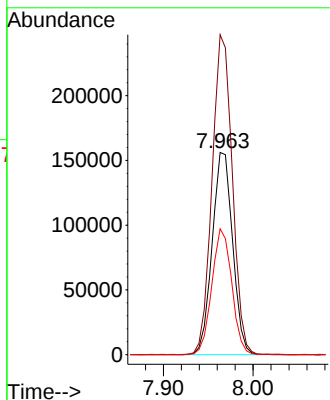
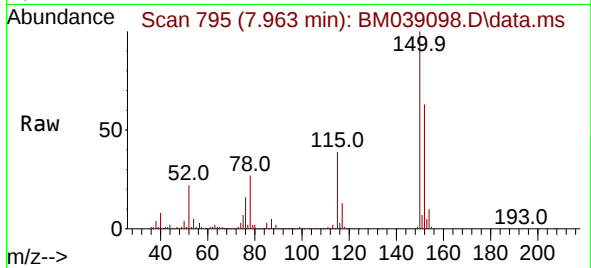




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039098.D
Acq: 22 Mar 2023 18:48

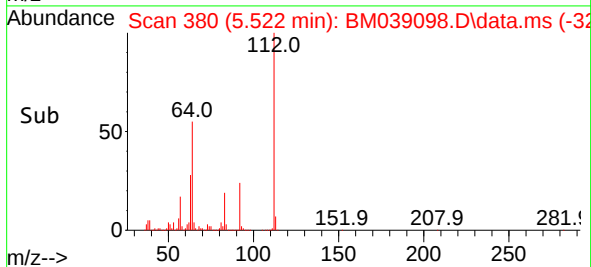
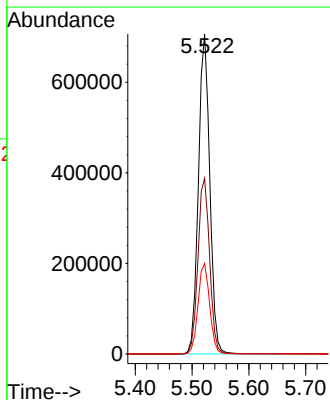
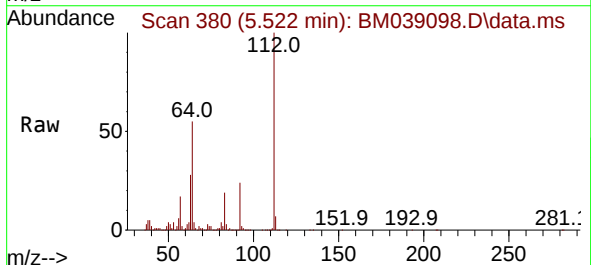
Instrument :
BNA_M
ClientSampleId :
IRV-1

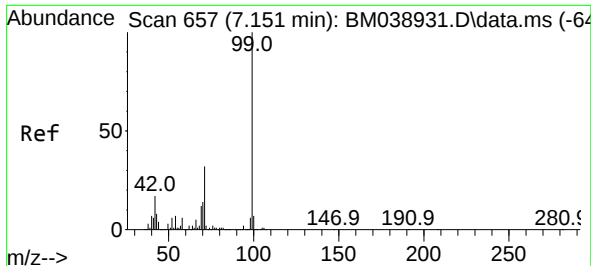
Tgt Ion:152 Resp: 247433
Ion Ratio Lower Upper
152 100
150 158.2 125.1 187.7
115 62.3 49.6 74.4



#5
2-Fluorophenol
Concen: 60.415 ng
RT: 5.522 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039098.D
Acq: 22 Mar 2023 18:48

Tgt Ion:112 Resp: 983926
Ion Ratio Lower Upper
112 100
64 54.9 45.9 68.9
63 28.2 23.8 35.8

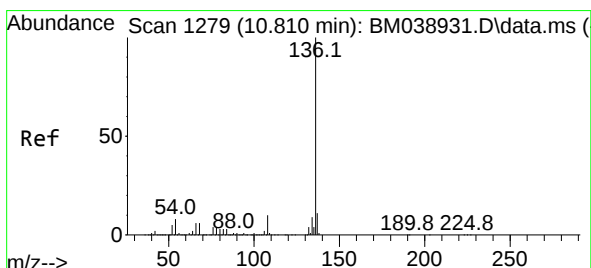
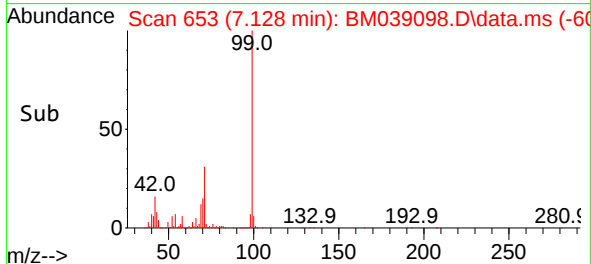
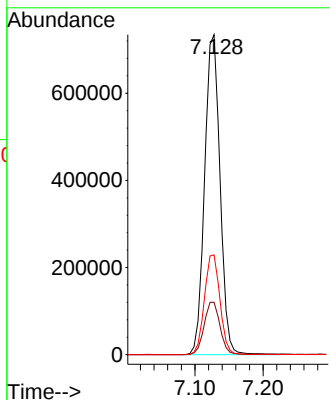
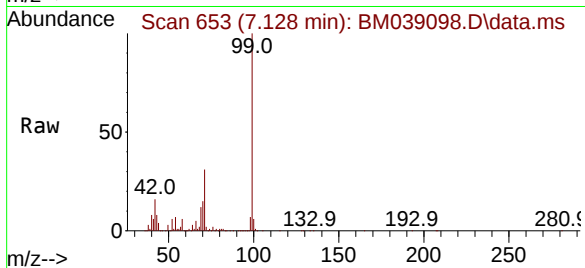




#7
Phenol-d6
Concen: 54.701 ng
RT: 7.128 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039098.D
Acq: 22 Mar 2023 18:48

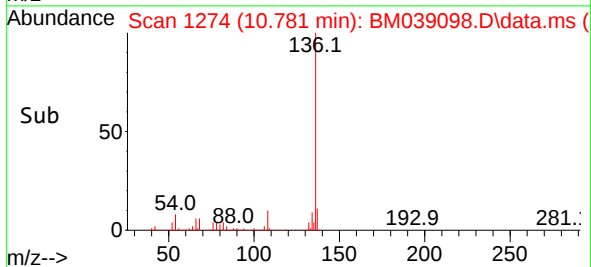
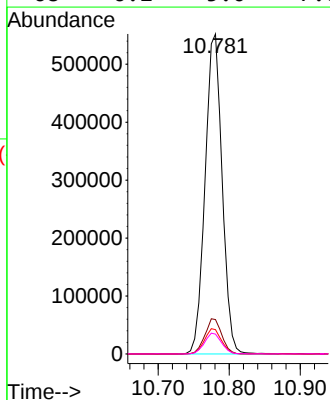
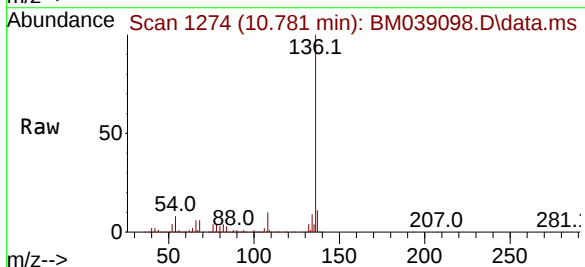
Instrument :
BNA_M
ClientSampleId :
IRV-1

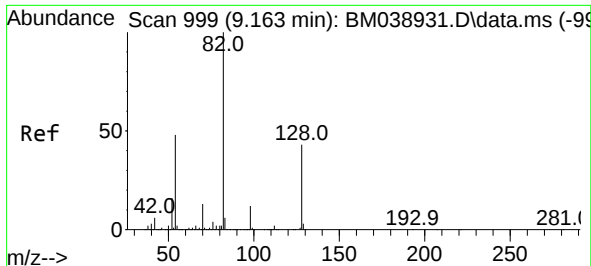
Tgt Ion: 99 Resp: 1157156
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 31.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM039098.D
Acq: 22 Mar 2023 18:48

Tgt Ion: 136 Resp: 922269
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.6 6.3 9.5
68 6.2 5.0 7.6

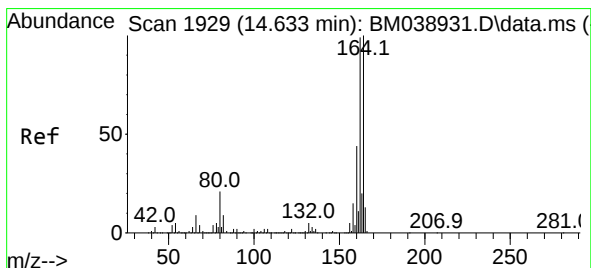
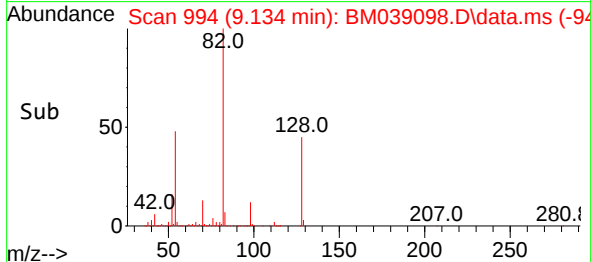
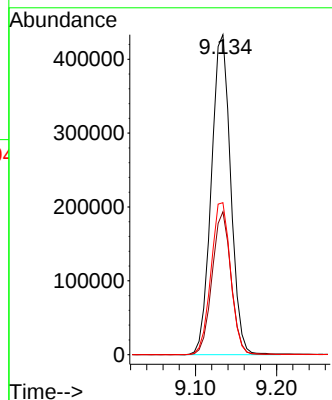
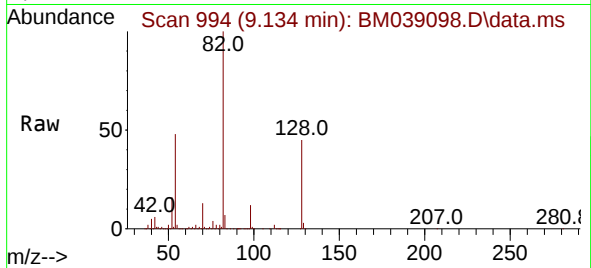




#23
Nitrobenzene-d5
Concen: 38.151 ng
RT: 9.134 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM039098.D
Acq: 22 Mar 2023 18:48

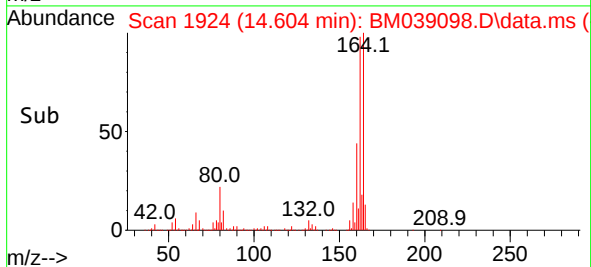
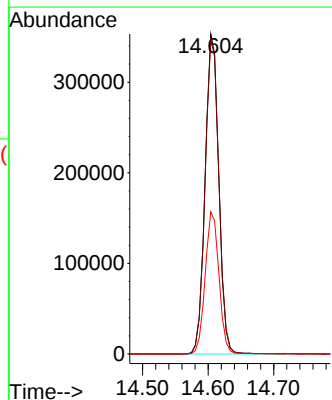
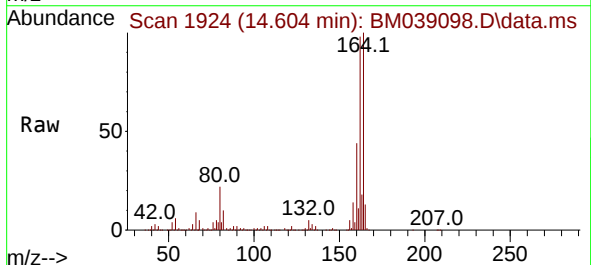
Instrument :
BNA_M
ClientSampleId :
IRV-1

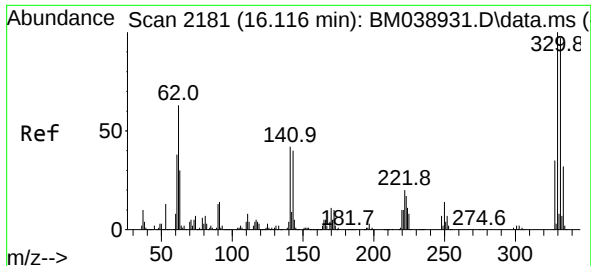
Tgt Ion: 82 Resp: 716305
Ion Ratio Lower Upper
82 100
128 44.7 34.4 51.6
54 47.5 38.8 58.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039098.D
Acq: 22 Mar 2023 18:48

Tgt Ion: 164 Resp: 512530
Ion Ratio Lower Upper
164 100
162 98.4 79.2 118.8
160 44.4 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 59.785 ng

RT: 16.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039098.D

Acq: 22 Mar 2023 18:48

Instrument :

BNA_M

ClientSampleId :

IRV-1

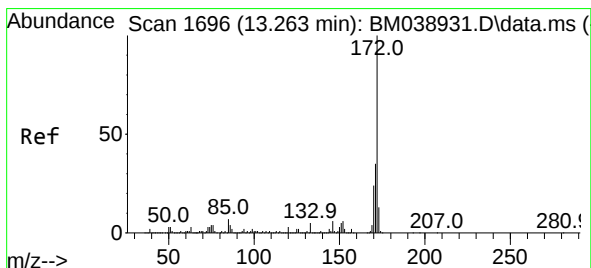
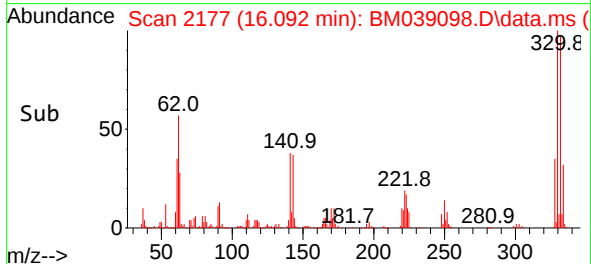
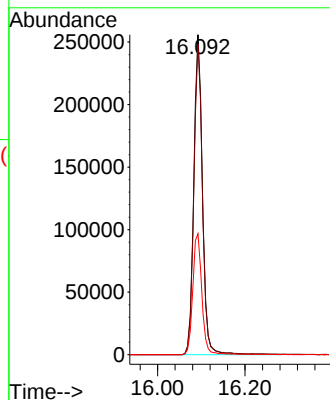
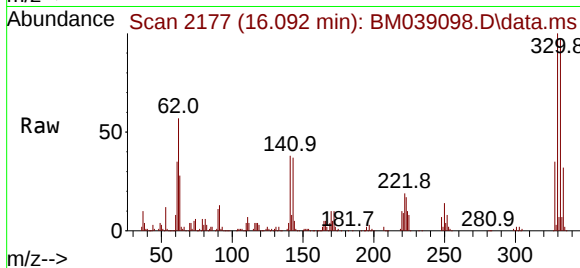
Tgt Ion:330 Resp: 354477

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.0

141 39.5 32.2 48.4



#45

2-Fluorobiphenyl

Concen: 37.684 ng

RT: 13.233 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BM039098.D

Acq: 22 Mar 2023 18:48

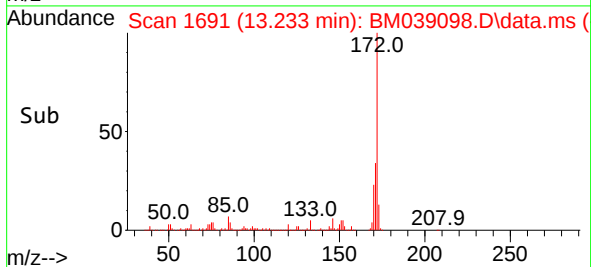
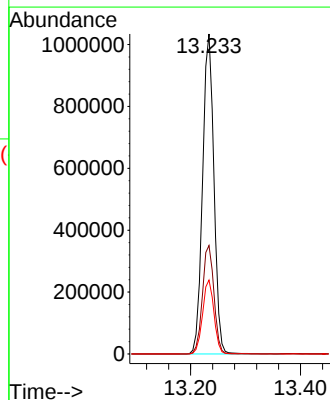
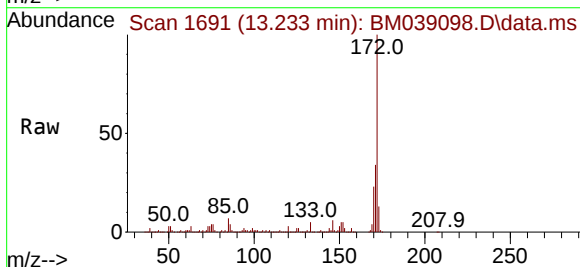
Tgt Ion:172 Resp: 1483668

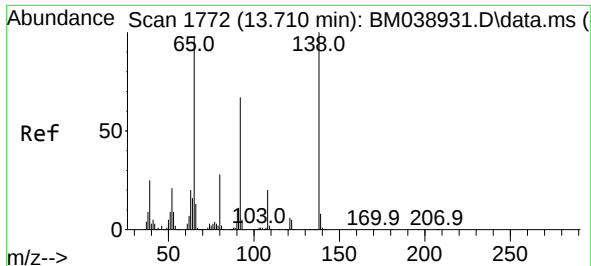
Ion Ratio Lower Upper

172 100

171 33.9 28.2 42.2

170 23.1 19.1 28.7

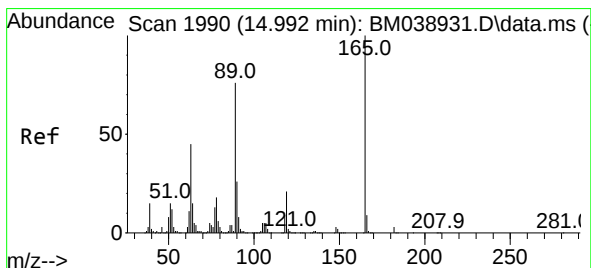
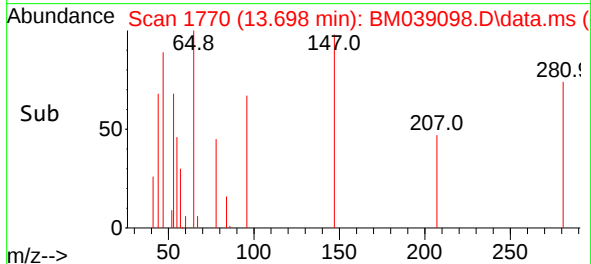
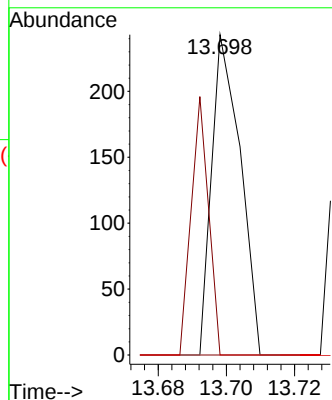
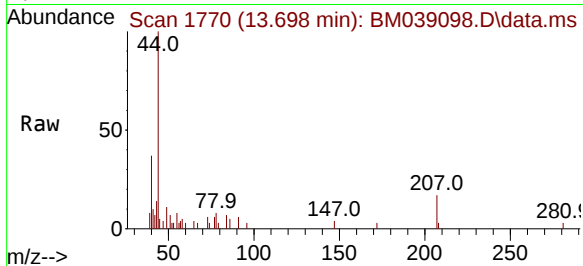




#48
2-Nitroaniline
Concen: 2.228 ng
RT: 13.698 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM039098.D
Acq: 22 Mar 2023 18:48

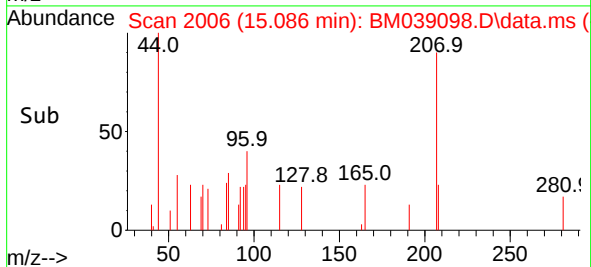
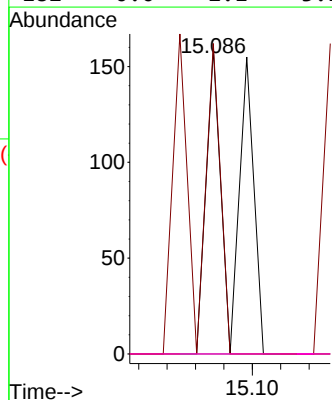
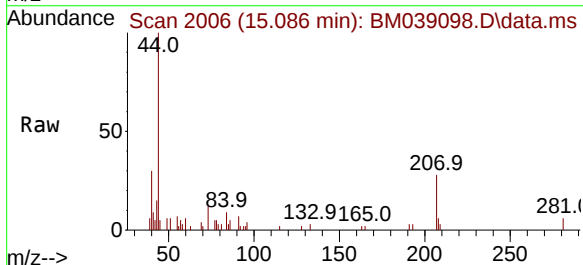
Instrument :
BNA_M
ClientSampleId :
IRV-1

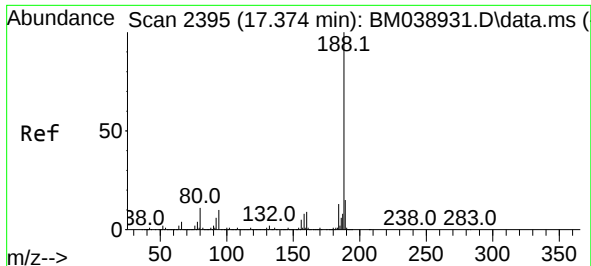
Tgt Ion: 65 Resp: 141
Ion Ratio Lower Upper
65 100
92 0.0 54.9 82.3#
138 0.0 81.6 122.4#



#57
2,4-Dinitrotoluene
Concen: 2.081 ng
RT: 15.086 min Scan# 2006
Delta R.T. 0.118 min
Lab File: BM039098.D
Acq: 22 Mar 2023 18:48

Tgt Ion: 165 Resp: 111
Ion Ratio Lower Upper
165 100
63 101.9 35.9 53.9#
89 0.0 61.0 91.6#
182 0.0 2.1 3.1#

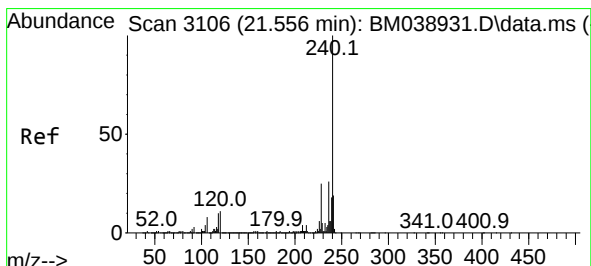
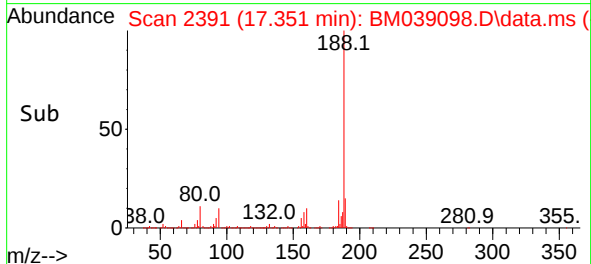
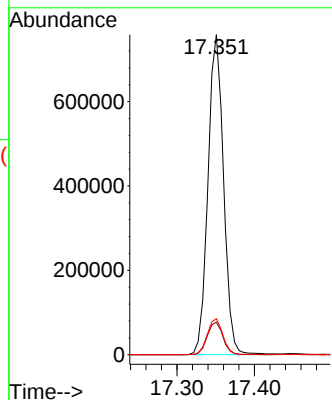
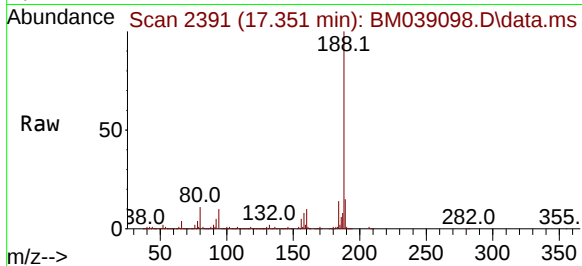




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039098.D
Acq: 22 Mar 2023 18:48

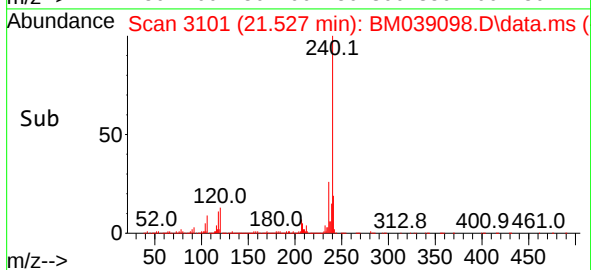
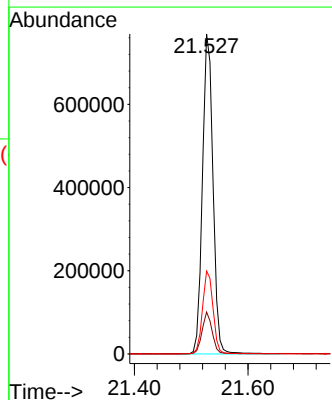
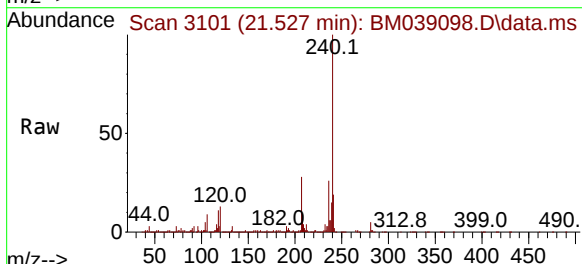
Instrument :
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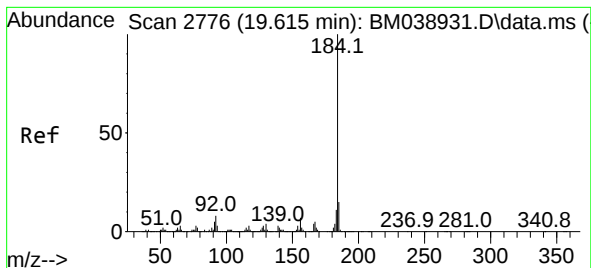
Tgt Ion:188 Resp: 1059495
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 11.2 8.5 12.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM039098.D
Acq: 22 Mar 2023 18:48

Tgt Ion:240 Resp: 994458
Ion Ratio Lower Upper
240 100
120 13.1 9.2 13.8
236 25.9 20.8 31.2





#77

Benzidine

Concen: 4.942 ng

RT: 19.621 min Scan# 21

Delta R.T. 0.030 min

Lab File: BM039098.D

Acq: 22 Mar 2023 18:48

Instrument :

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ClientSampleId :

IRV-1

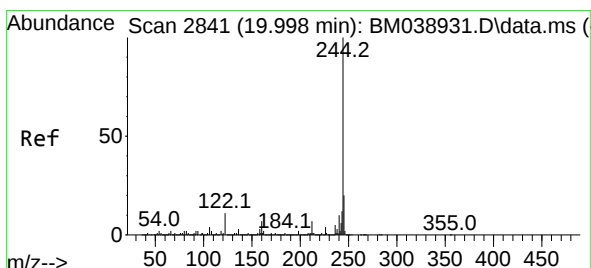
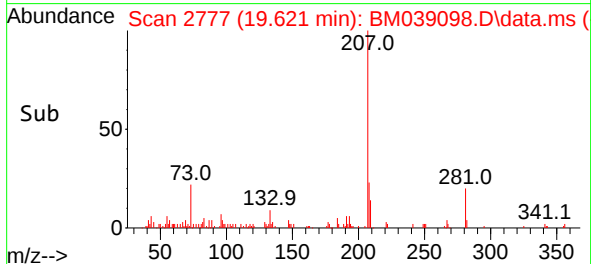
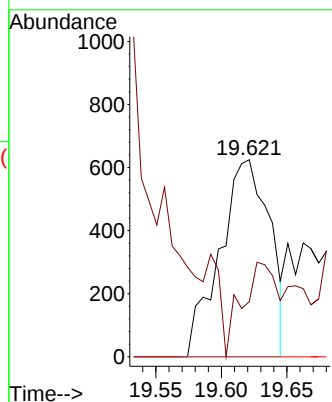
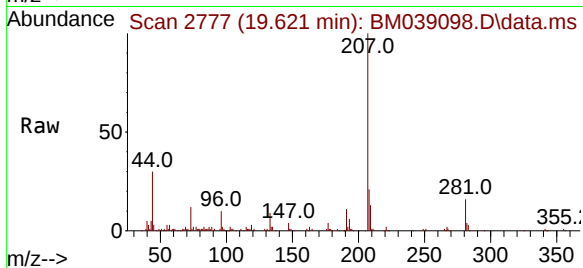
Tgt Ion:184 Resp: 1652

Ion Ratio Lower Upper

184 100

185 28.0 12.2 18.4#

183 0.0 8.8 13.2#



#79

Terphenyl-d14

Concen: 41.715 ng

RT: 19.968 min Scan# 2836

Delta R.T. 0.000 min

Lab File: BM039098.D

Acq: 22 Mar 2023 18:48

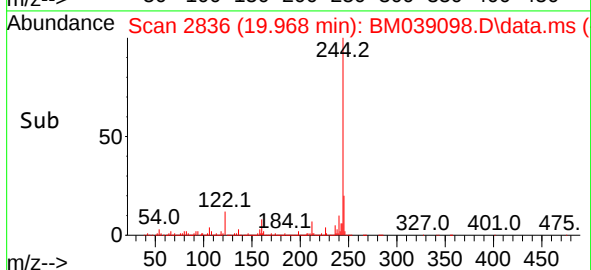
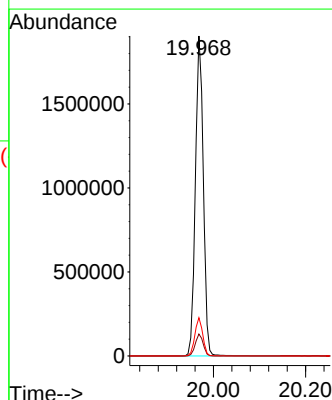
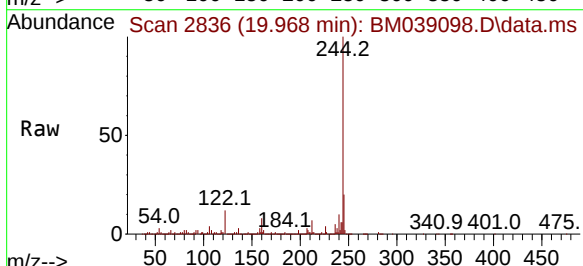
Tgt Ion:244 Resp: 2268935

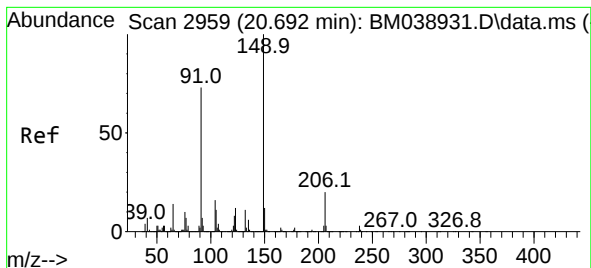
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 12.0 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.325 ng

RT: 20.674 min Scan# 2956

Delta R.T. 0.012 min

Lab File: BM039098.D

Acq: 22 Mar 2023 18:48

Instrument :

BNA_M

ClientSampleId :

IRV-1

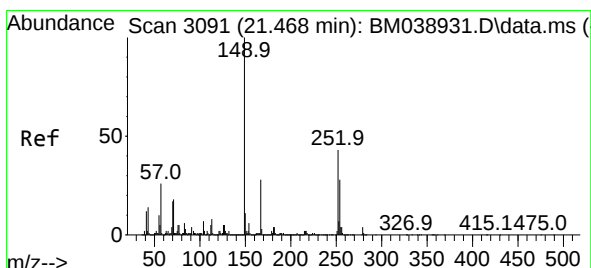
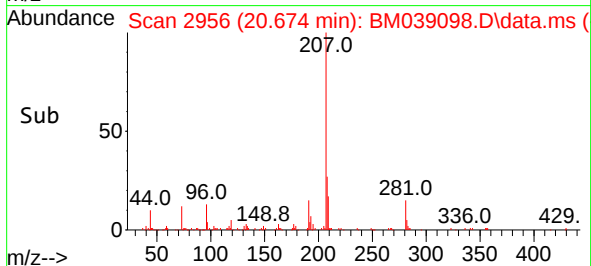
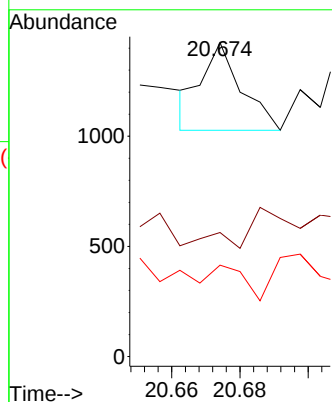
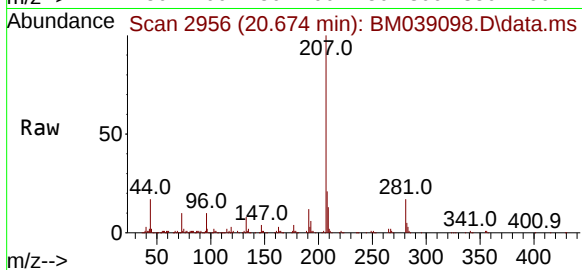
Tgt Ion:149 Resp: 319

Ion Ratio Lower Upper

149 100

91 39.5 58.4 87.6#

206 29.1 16.1 24.1#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.627 ng

RT: 21.439 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM039098.D

Acq: 22 Mar 2023 18:48

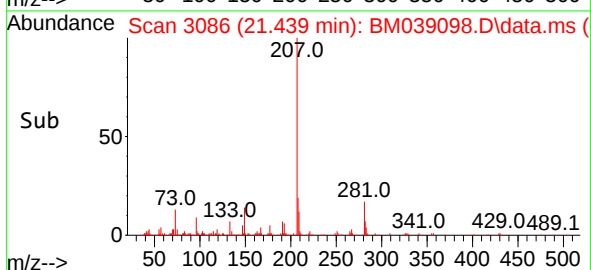
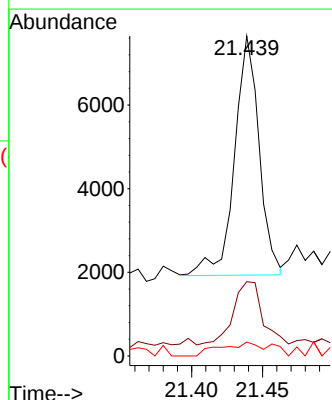
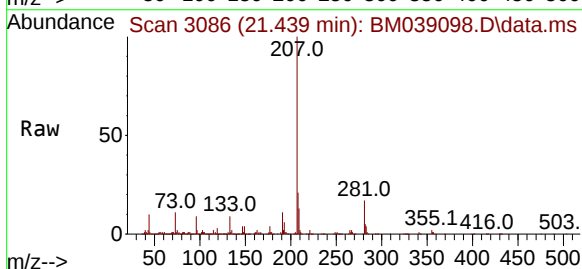
Tgt Ion:149 Resp: 6900

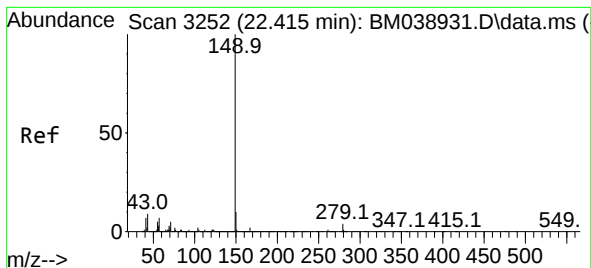
Ion Ratio Lower Upper

149 100

167 23.2 22.3 33.5

279 4.4 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 3.807 ng

RT: 22.374 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM039098.D

Acq: 22 Mar 2023 18:48

Instrument :

BNA_M

ClientSampleId :

IRV-1

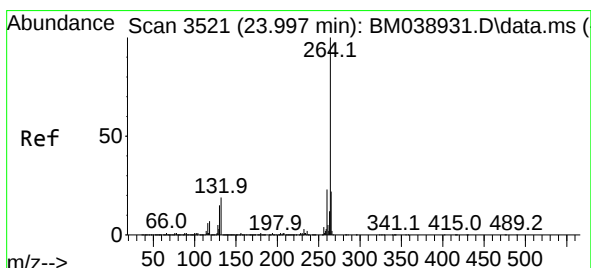
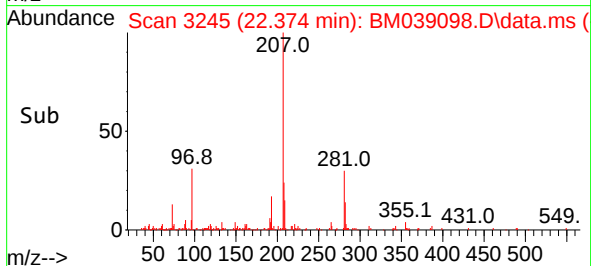
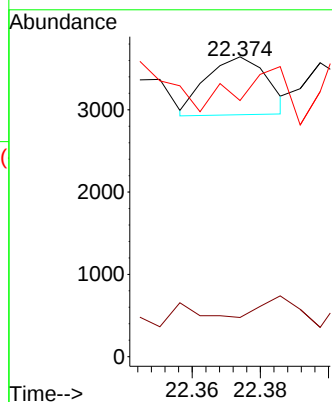
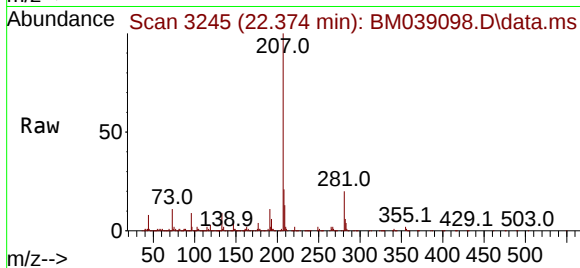
Tgt Ion:149 Resp: 878

Ion Ratio Lower Upper

149 100

167 34.4 1.2 1.8#

43 85.4 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3515

Delta R.T. 0.000 min

Lab File: BM039098.D

Acq: 22 Mar 2023 18:48

Tgt Ion:264 Resp: 1125657

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.8 17.9 26.9

