

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051123\
 Data File : BM039910.D
 Acq On : 11 May 2023 23:01
 Operator : CG/JU
 Sample : PB152561TB
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB152561TB

Quant Time: May 12 03:32:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM051123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 02:40:29 2023
 Response via : Initial Calibration

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

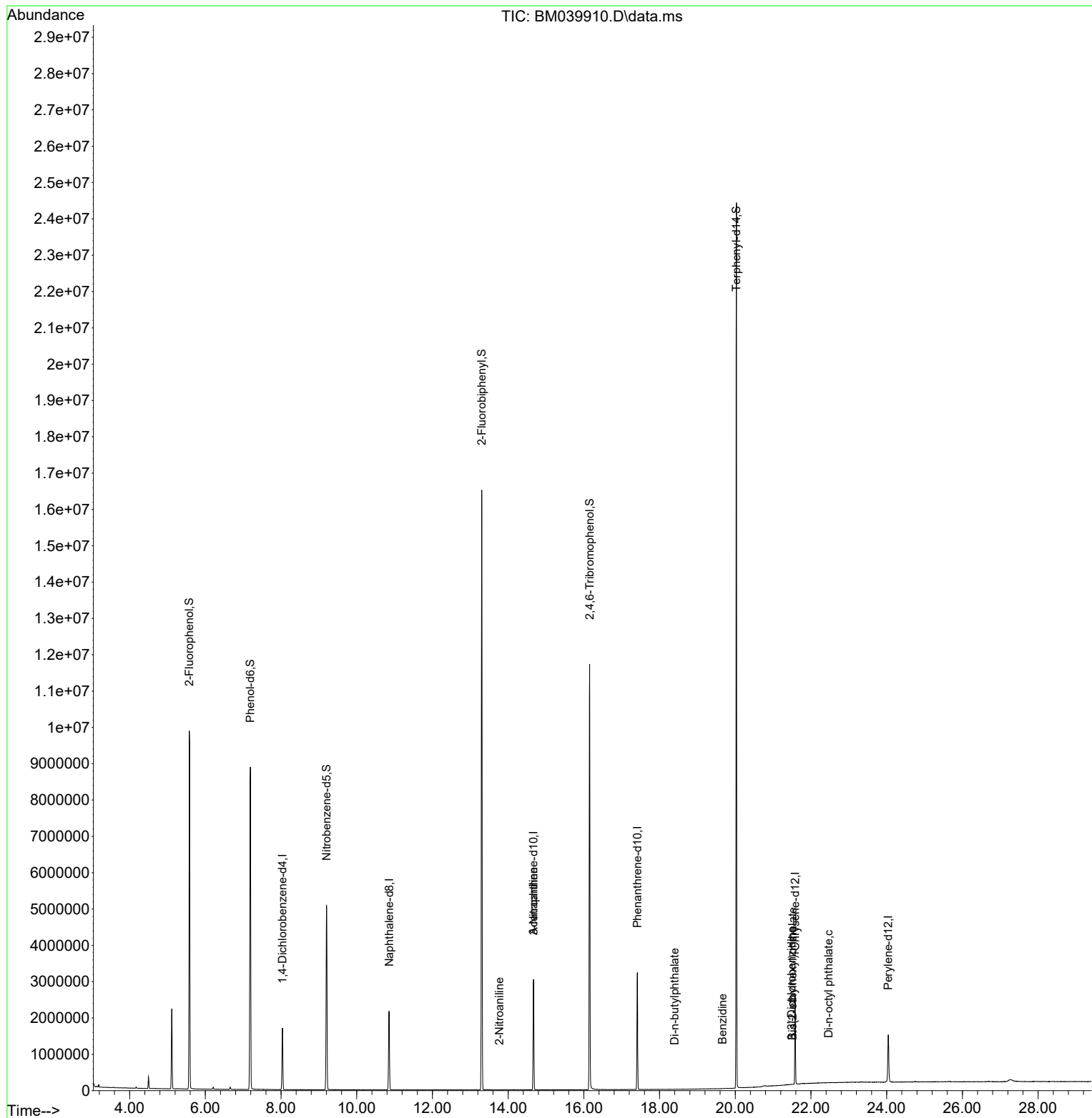
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.037	152	445034	20.000	ng	0.00
21) Naphthalene-d8	10.854	136	1767162	20.000	ng	0.00
39) Acenaphthene-d10	14.671	164	979257	20.000	ng	0.00
64) Phenanthrene-d10	17.412	188	1798481	20.000	ng	0.00
76) Chrysene-d12	21.583	240	1010516	20.000	ng	0.00
86) Perylene-d12	24.041	264	897167	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.578	112	4462103	159.678	ng	0.00
7) Phenol-d6	7.190	99	5262912	144.506	ng	0.00
23) Nitrobenzene-d5	9.201	82	2940812	98.007	ng	0.00
42) 2,4,6-Tribromophenol	16.154	330	2186013	128.566	ng	0.00
45) 2-Fluorobiphenyl	13.301	172	7937416	97.699	ng	0.00
79) Terphenyl-d14	20.030	244	9828979	146.262	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.184	77	13083	Below Cal	#	17
48) 2-Nitroaniline	13.766	65	69	5.586	ng	# 1
53) 3-Nitroaniline	14.671	138	56	4.658	ng	# 1
74) Di-n-butylphthalate	18.395	149	424	6.378	ng	# 77
77) Benzidine	19.665	184	284	6.002	ng	# 67
82) 3,3'-Dichlorobenzidine	21.489	252	127	5.246	ng	# 25
84) Bis(2-ethylhexyl)phtha...	21.512	149	304	6.942	ng	# 55
85) Di-n-octyl phthalate	22.465	149	316	5.451	ng	# 1

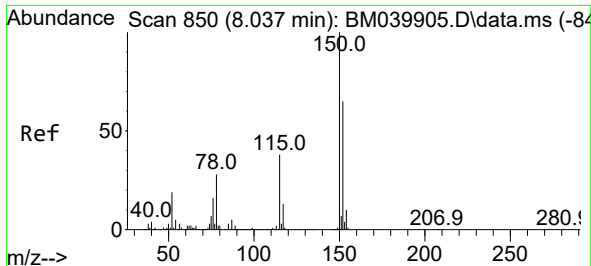
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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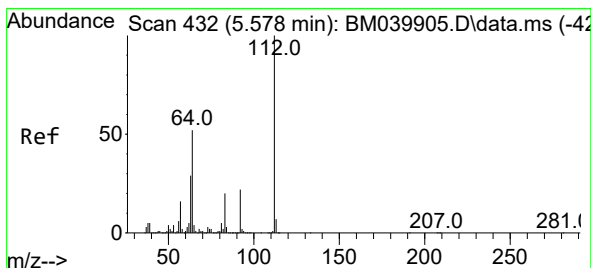
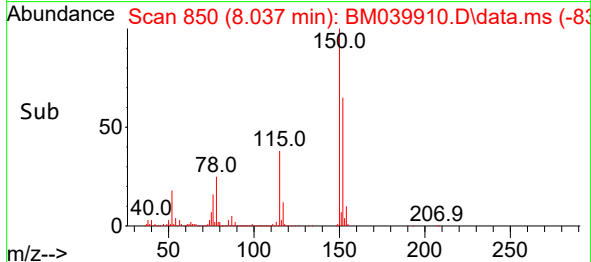
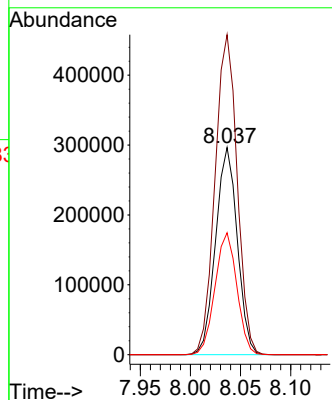
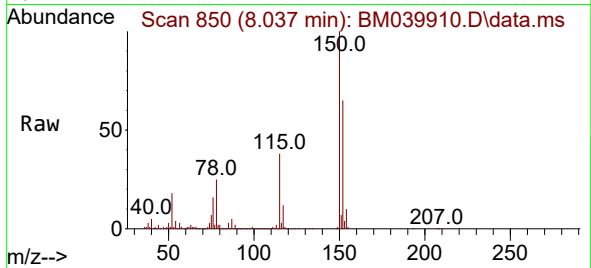




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.037 min Scan# 850
Delta R.T. -0.000 min
Lab File: BM039910.D
Acq: 11 May 2023 23:01

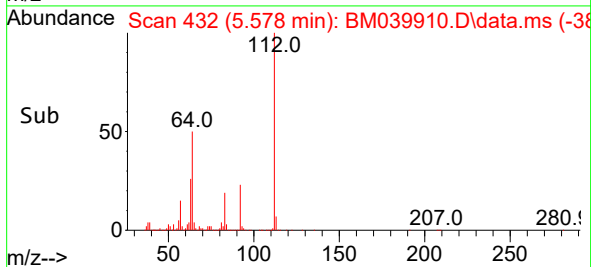
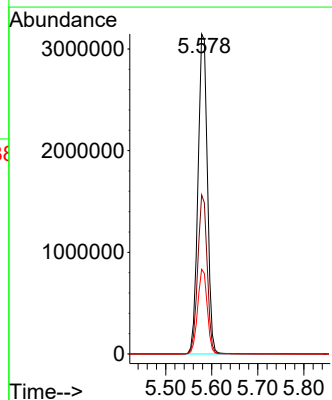
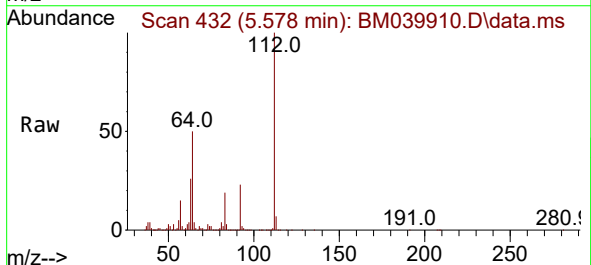
Instrument :
BNA_M
ClientSampleId :
PB152561TB

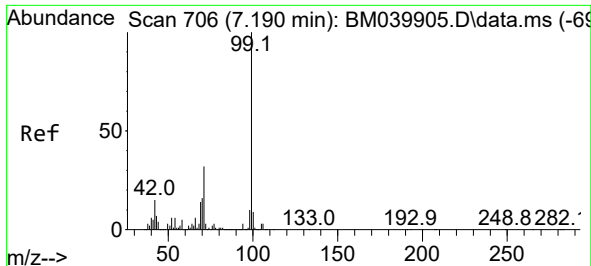
Tgt Ion:152 Resp: 445034
Ion Ratio Lower Upper
152 100
150 154.5 122.3 183.5
115 58.9 46.8 70.2



#5
2-Fluorophenol
Concen: 159.678 ng
RT: 5.578 min Scan# 432
Delta R.T. -0.000 min
Lab File: BM039910.D
Acq: 11 May 2023 23:01

Tgt Ion:112 Resp: 4462103
Ion Ratio Lower Upper
112 100
64 49.7 41.8 62.6
63 26.4 23.0 34.4



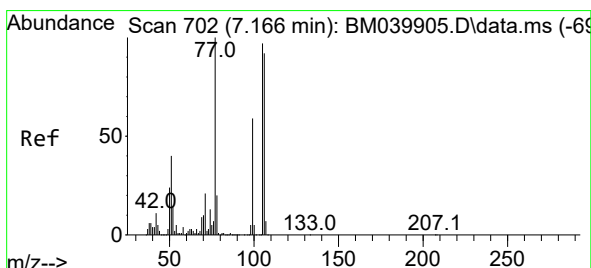
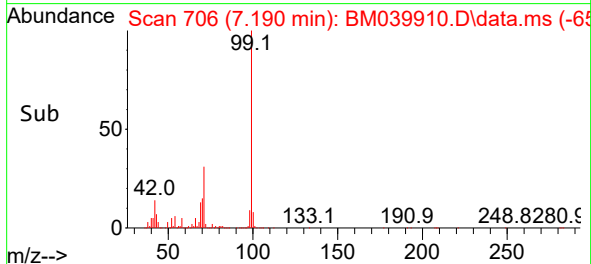
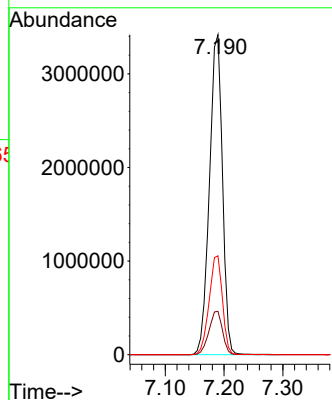
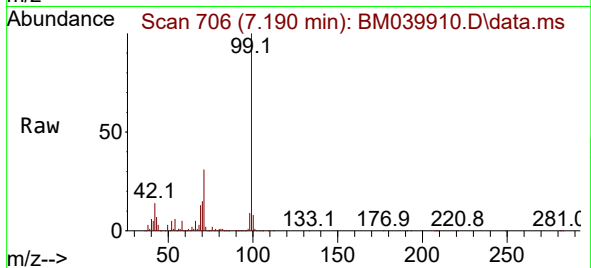


#7
Phenol-d6
Concen: 144.506 ng
RT: 7.190 min Scan# 706
Delta R.T. -0.000 min
Lab File: BM039910.D
Acq: 11 May 2023 23:01

Instrument :
BNA_M
ClientSampleId :
PB152561TB

Tgt Ion: 99 Resp: 5262912

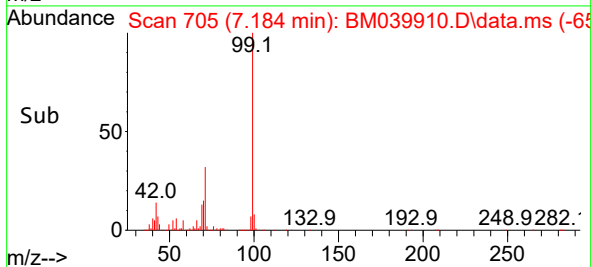
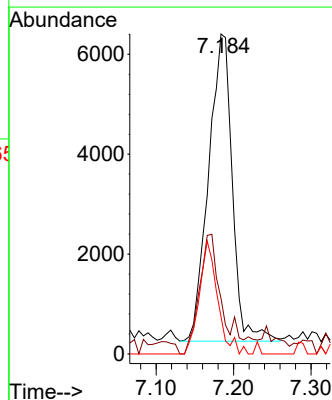
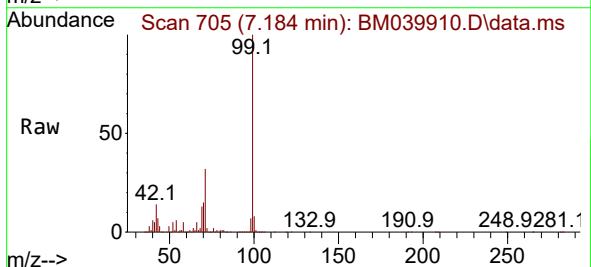
Ion	Ratio	Lower	Upper
99	100		
42	13.6	12.1	18.1
71	30.9	25.6	38.4

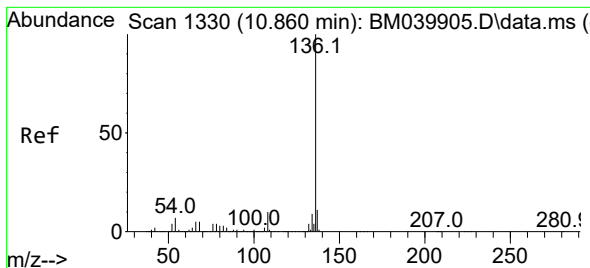


#9
Benzaldehyde
Concen: Below Cal
RT: 7.184 min Scan# 705
Delta R.T. 0.018 min
Lab File: BM039910.D
Acq: 11 May 2023 23:01

Tgt Ion: 77 Resp: 13083

Ion	Ratio	Lower	Upper
77	100		
105	17.4	76.9	116.9#
106	11.6	71.9	111.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.854 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

Instrument :

BNA_M

ClientSampleId :

PB152561TB

Tgt Ion:136 Resp: 1767162

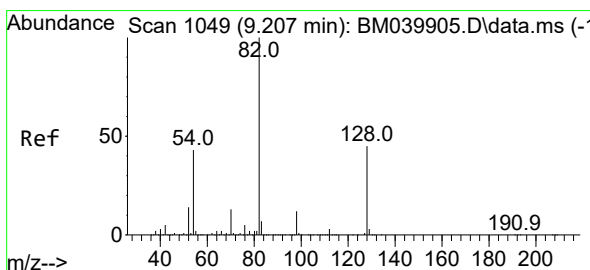
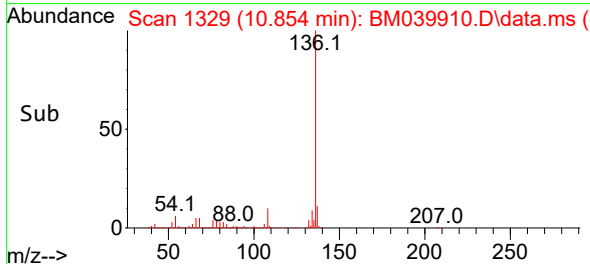
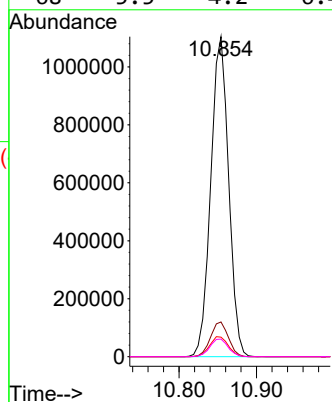
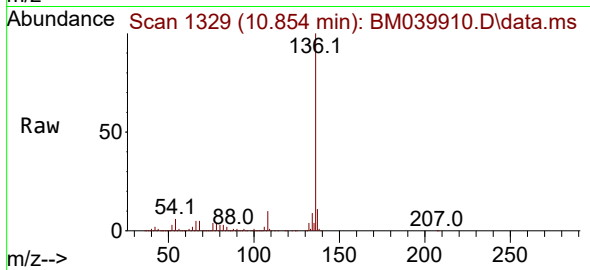
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 6.1 5.3 7.9

68 5.5 4.2 6.4



#23

Nitrobenzene-d5

Concen: 98.007 ng

RT: 9.201 min Scan# 1048

Delta R.T. -0.006 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

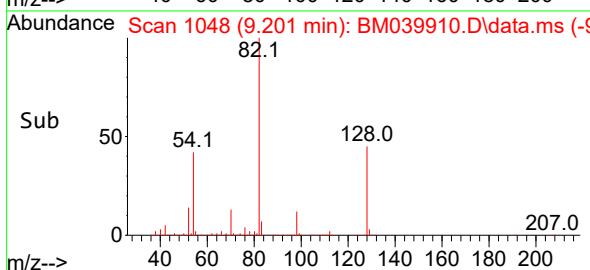
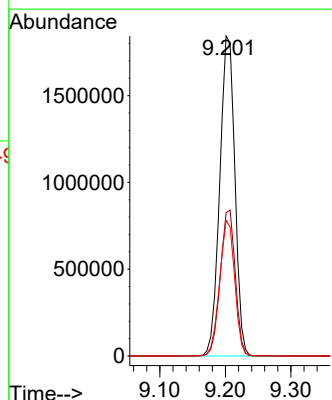
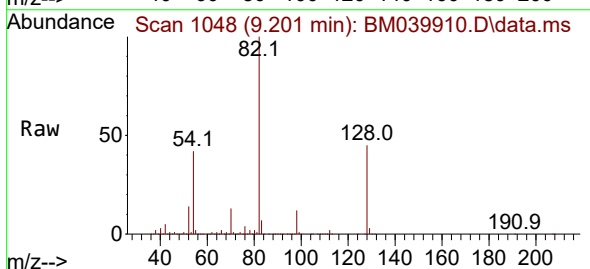
Tgt Ion: 82 Resp: 2940812

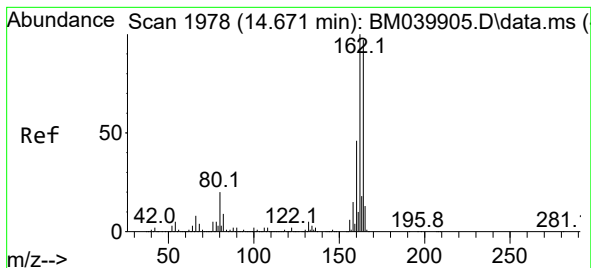
Ion Ratio Lower Upper

82 100

128 44.8 35.9 53.9

54 42.3 34.2 51.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.671 min Scan# 1978

Delta R.T. 0.000 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

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BNA_M

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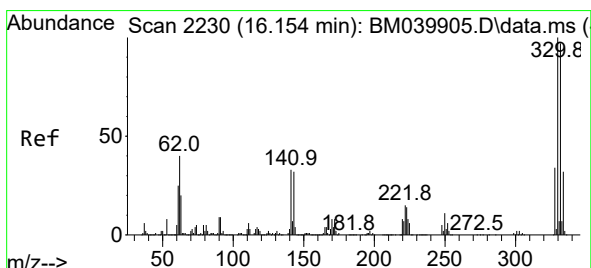
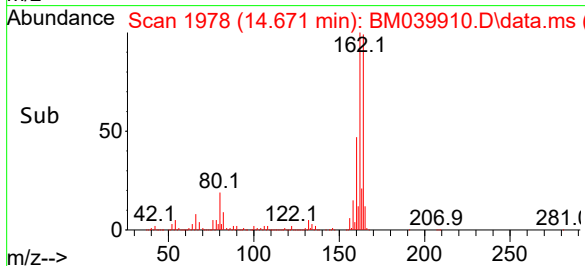
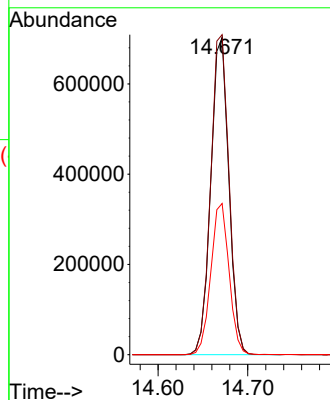
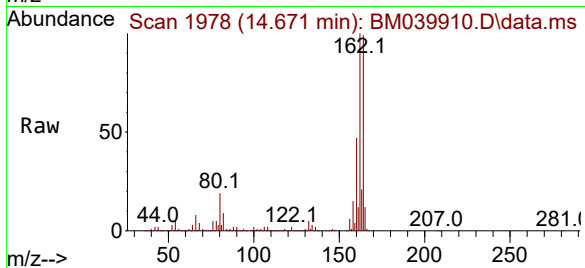
Tgt Ion:164 Resp: 979257

Ion Ratio Lower Upper

164 100

162 100.8 82.4 123.6

160 47.6 37.8 56.6



#42

2,4,6-Tribromophenol

Concen: 128.566 ng

RT: 16.154 min Scan# 2230

Delta R.T. -0.000 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

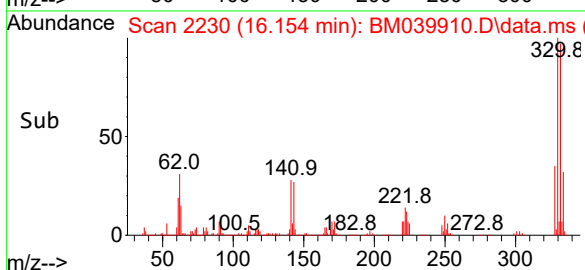
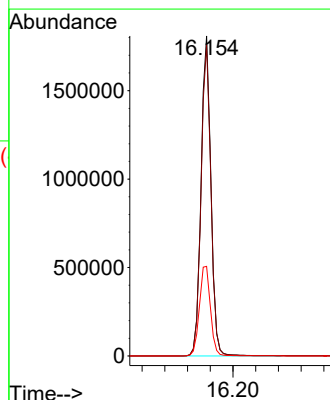
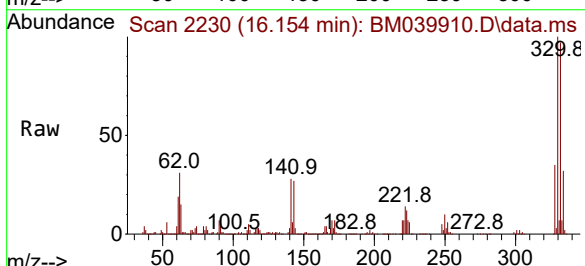
Tgt Ion:330 Resp: 2186013

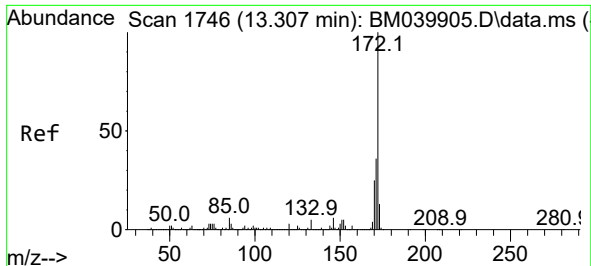
Ion Ratio Lower Upper

330 100

332 97.2 77.9 116.9

141 31.6 26.5 39.7

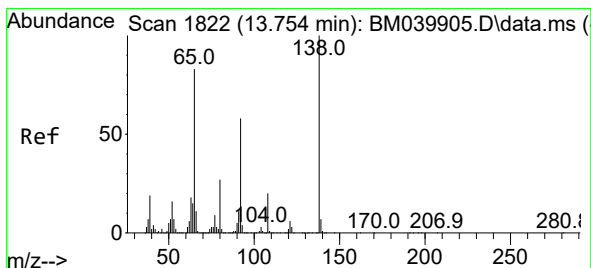
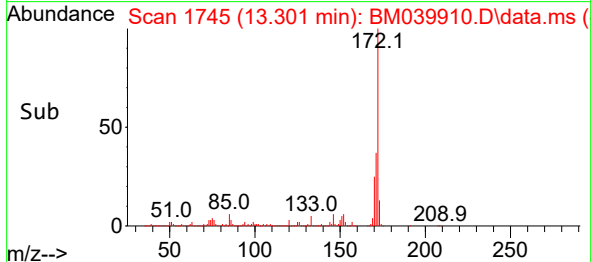
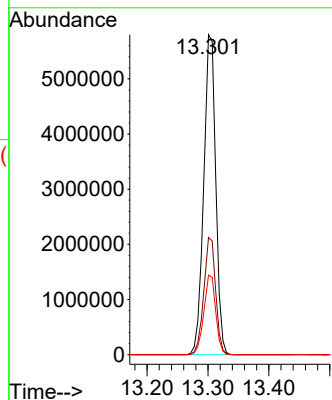
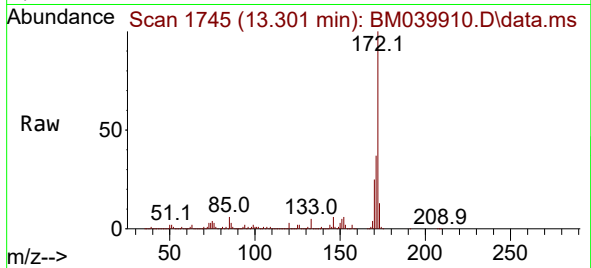




#45
2-Fluorobiphenyl
Concen: 97.699 ng
RT: 13.301 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039910.D
Acq: 11 May 2023 23:01

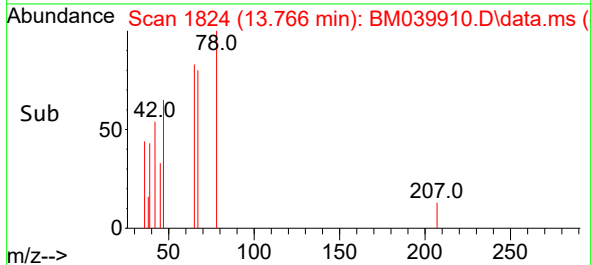
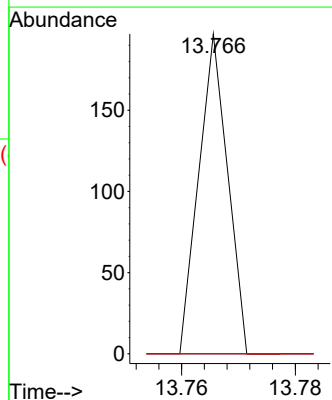
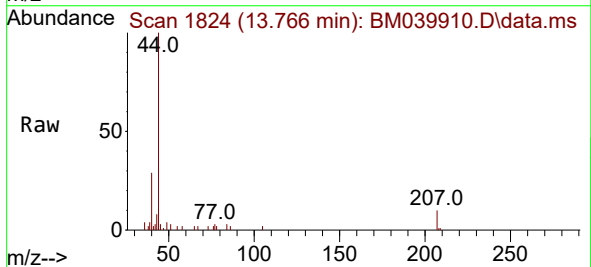
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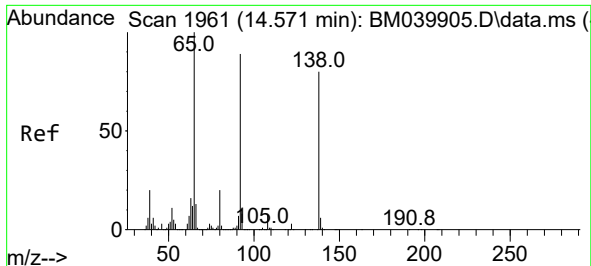
Tgt Ion:172 Resp: 7937416
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 24.8 19.8 29.8



#48
2-Nitroaniline
Concen: 5.586 ng
RT: 13.766 min Scan# 1824
Delta R.T. 0.012 min
Lab File: BM039910.D
Acq: 11 May 2023 23:01

Tgt Ion: 65 Resp: 69
Ion Ratio Lower Upper
65 100
92 0.0 56.3 84.5#
138 0.0 96.6 145.0#

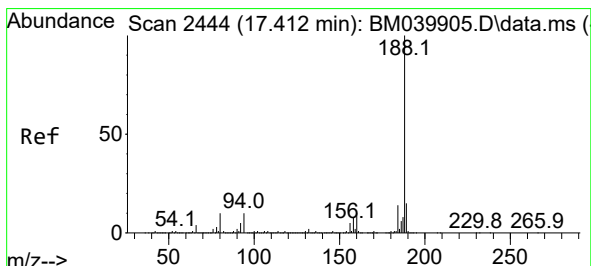
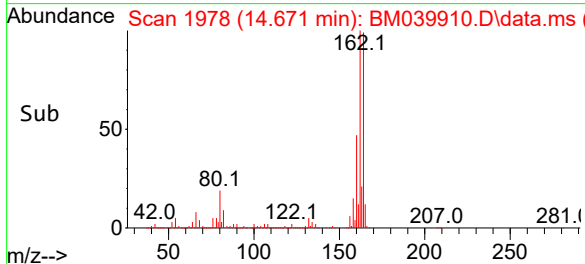
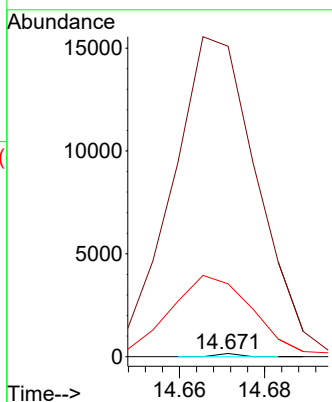
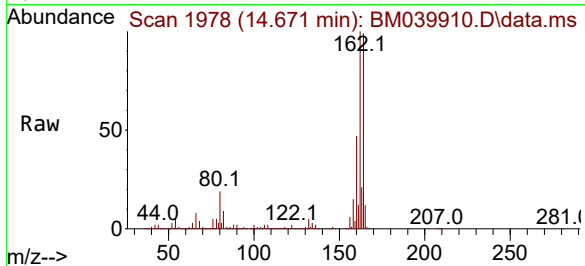




#53
3-Nitroaniline
Concen: 4.658 ng
RT: 14.671 min Scan# 1961
Delta R.T. 0.100 min
Lab File: BM039910.D
Acq: 11 May 2023 23:01

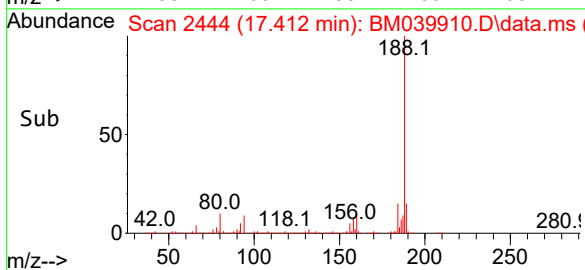
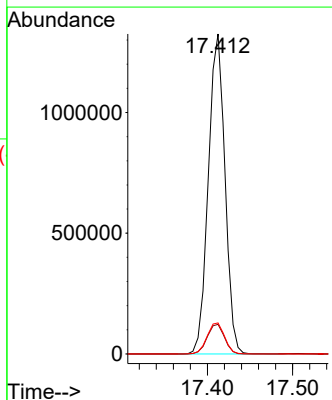
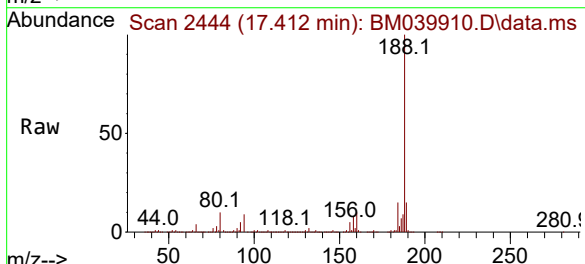
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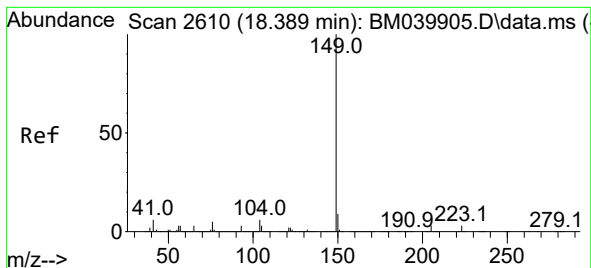
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 9551.3 8.1 12.1#
92 2238.0 88.4 132.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.412 min Scan# 2444
Delta R.T. -0.000 min
Lab File: BM039910.D
Acq: 11 May 2023 23:01

Tgt Ion:188 Resp: 1798481
Ion Ratio Lower Upper
188 100
94 9.2 7.7 11.5
80 9.7 8.1 12.1





#74

Di-n-butylphthalate

Concen: 6.378 ng

RT: 18.395 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

Instrument :

BNA_M

ClientSampleId :

PB152561TB

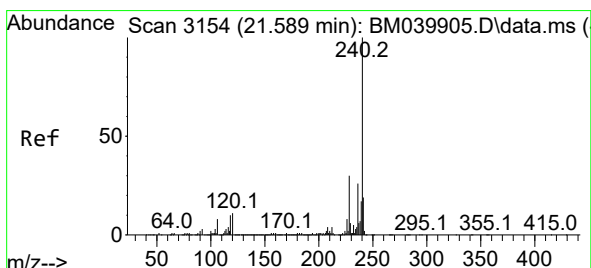
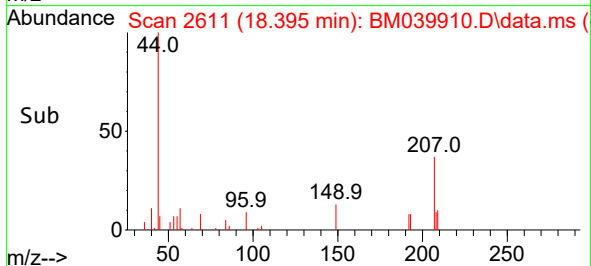
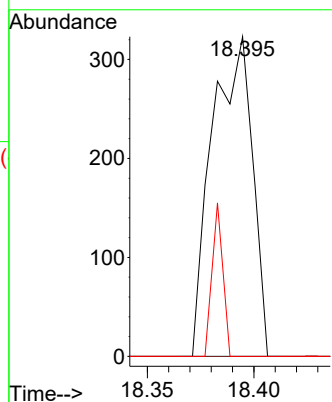
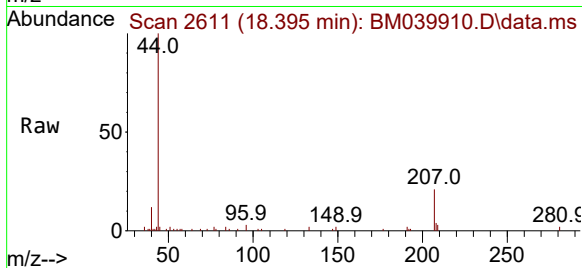
Tgt Ion:149 Resp: 424

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

104 0.0 4.6 7.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.583 min Scan# 3153

Delta R.T. -0.006 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

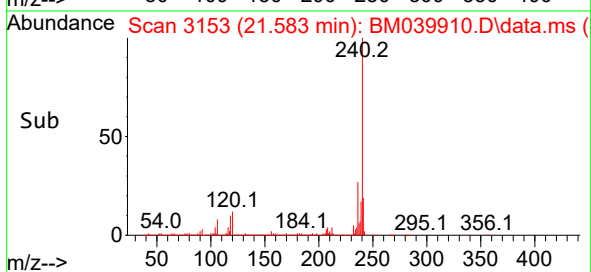
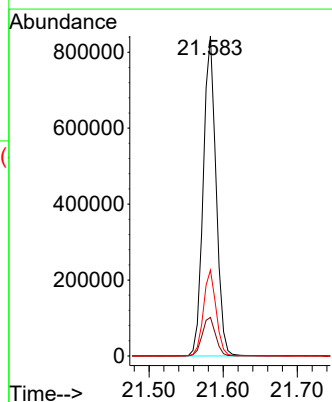
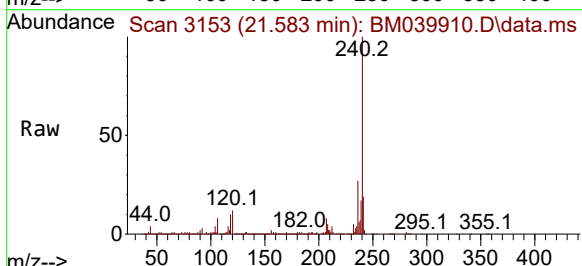
Tgt Ion:240 Resp: 1010516

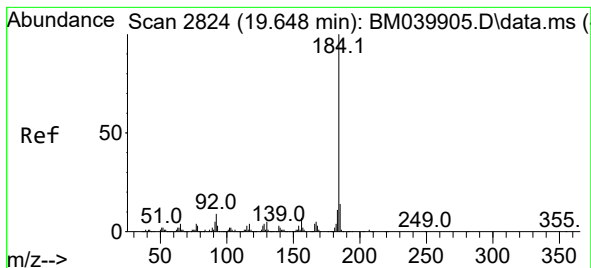
Ion Ratio Lower Upper

240 100

120 12.1 8.6 13.0

236 26.8 21.0 31.4





#77

Benzidine

Concen: 6.002 ng

RT: 19.665 min Scan# 21

Delta R.T. 0.017 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

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PB152561TB

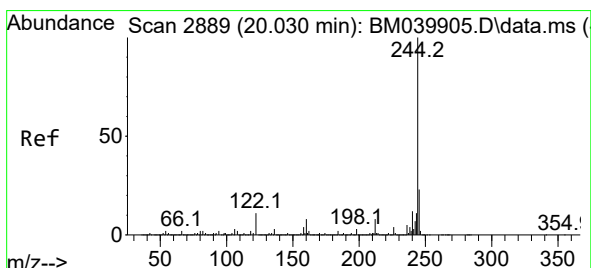
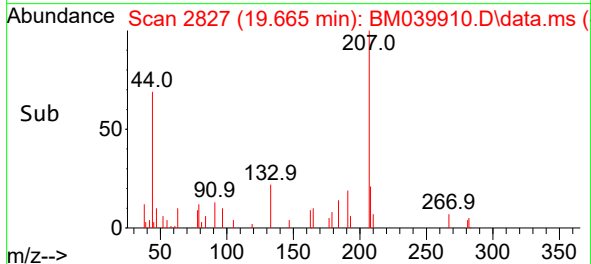
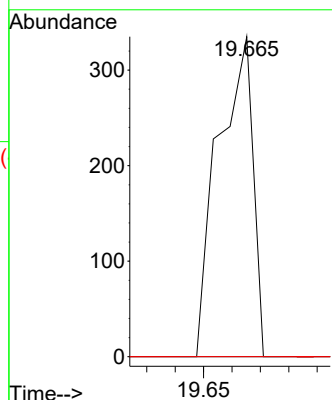
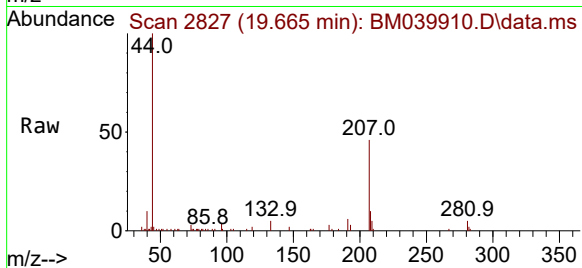
Tgt Ion:184 Resp: 284

Ion Ratio Lower Upper

184 100

185 0.0 11.5 17.3#

183 0.0 9.0 13.6#



#79

Terphenyl-d14

Concen: 146.262 ng

RT: 20.030 min Scan# 2889

Delta R.T. -0.000 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

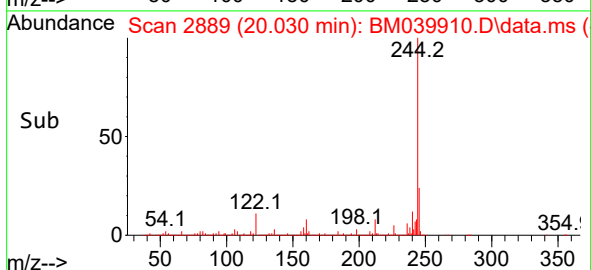
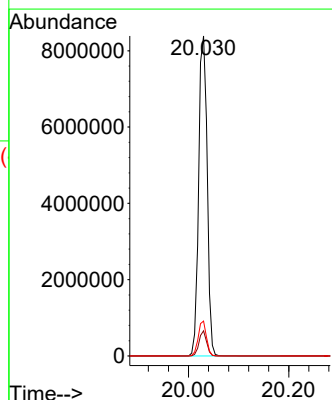
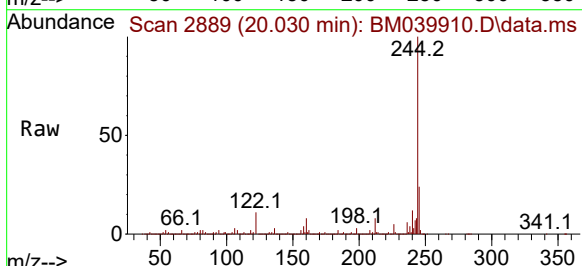
Tgt Ion:244 Resp: 9828979

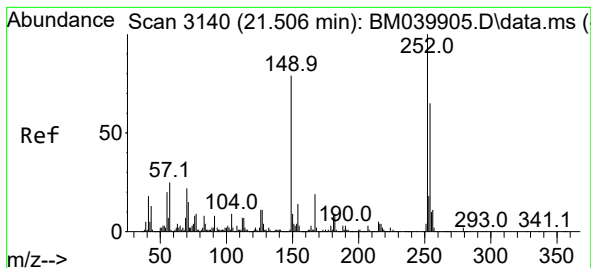
Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

122 10.9 8.7 13.1





#82

3,3'-Dichlorobenzidine

Concen: 5.246 ng

RT: 21.489 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

Instrument :

BNA_M

ClientSampleId :

PB152561TB

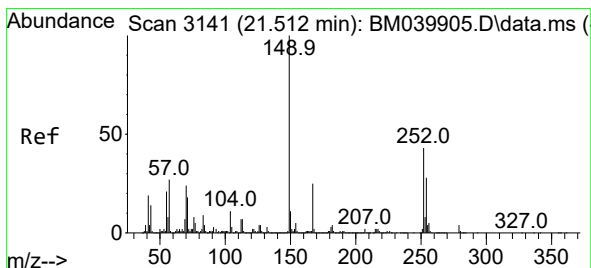
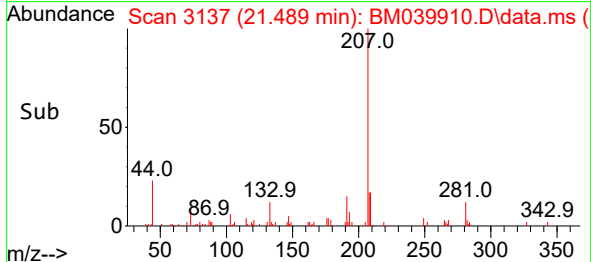
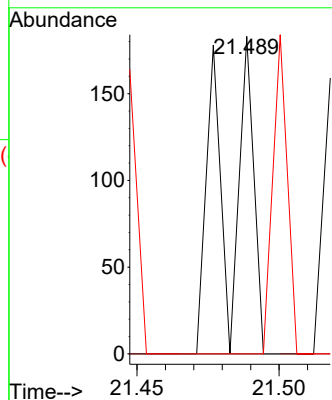
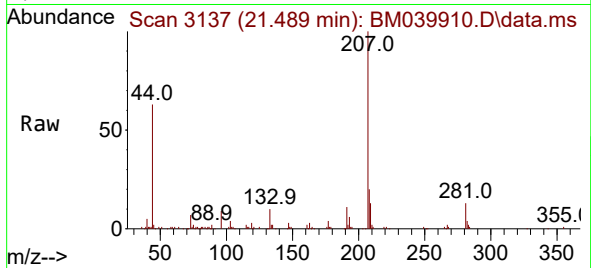
Tgt Ion:252 Resp: 127

Ion Ratio Lower Upper

252 100

254 0.0 52.1 78.1#

126 0.0 9.0 13.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.942 ng

RT: 21.512 min Scan# 3141

Delta R.T. 0.000 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

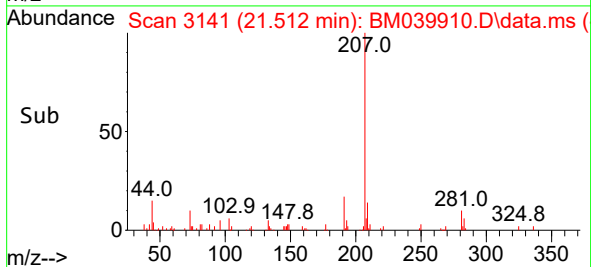
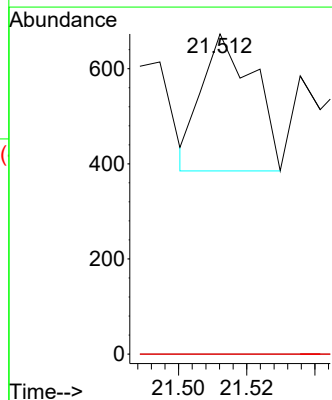
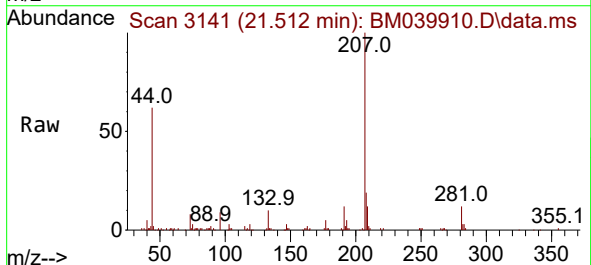
Tgt Ion:149 Resp: 304

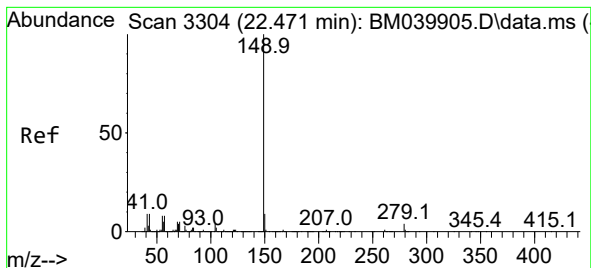
Ion Ratio Lower Upper

149 100

167 0.0 20.2 30.4#

279 0.0 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 5.451 ng

RT: 22.465 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

Instrument :

BNA_M

ClientSampleId :

PB152561TB

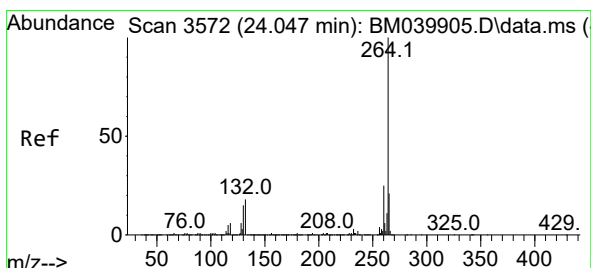
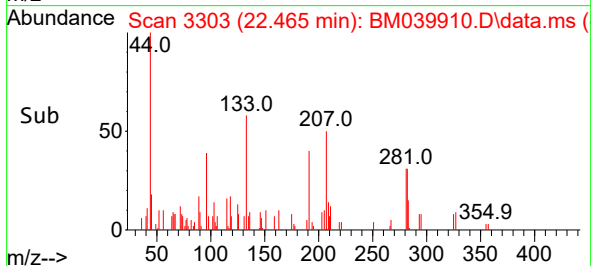
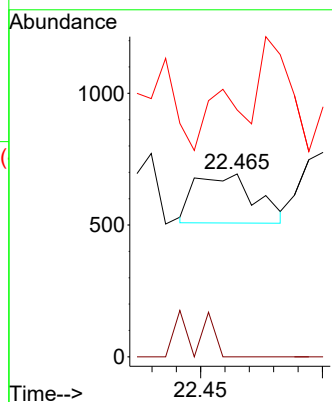
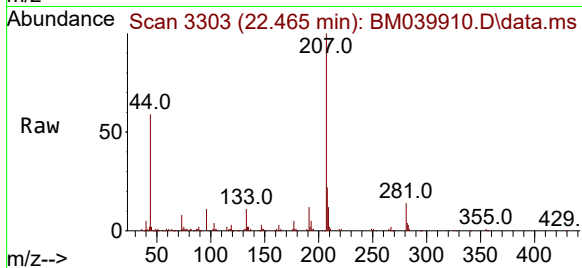
Tgt Ion:149 Resp: 316

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 75.6 9.3 13.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.041 min Scan# 3571

Delta R.T. -0.006 min

Lab File: BM039910.D

Acq: 11 May 2023 23:01

Tgt Ion:264 Resp: 897167

Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.6

265 21.6 17.2 25.8

