

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
 Data File : BM039986.D
 Acq On : 24 May 2023 16:22
 Operator : CG/JU
 Sample : 02888-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MID2-44(10-11)

Quant Time: May 24 16:59:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 24 01:06:13 2023
 Response via : Initial Calibration

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

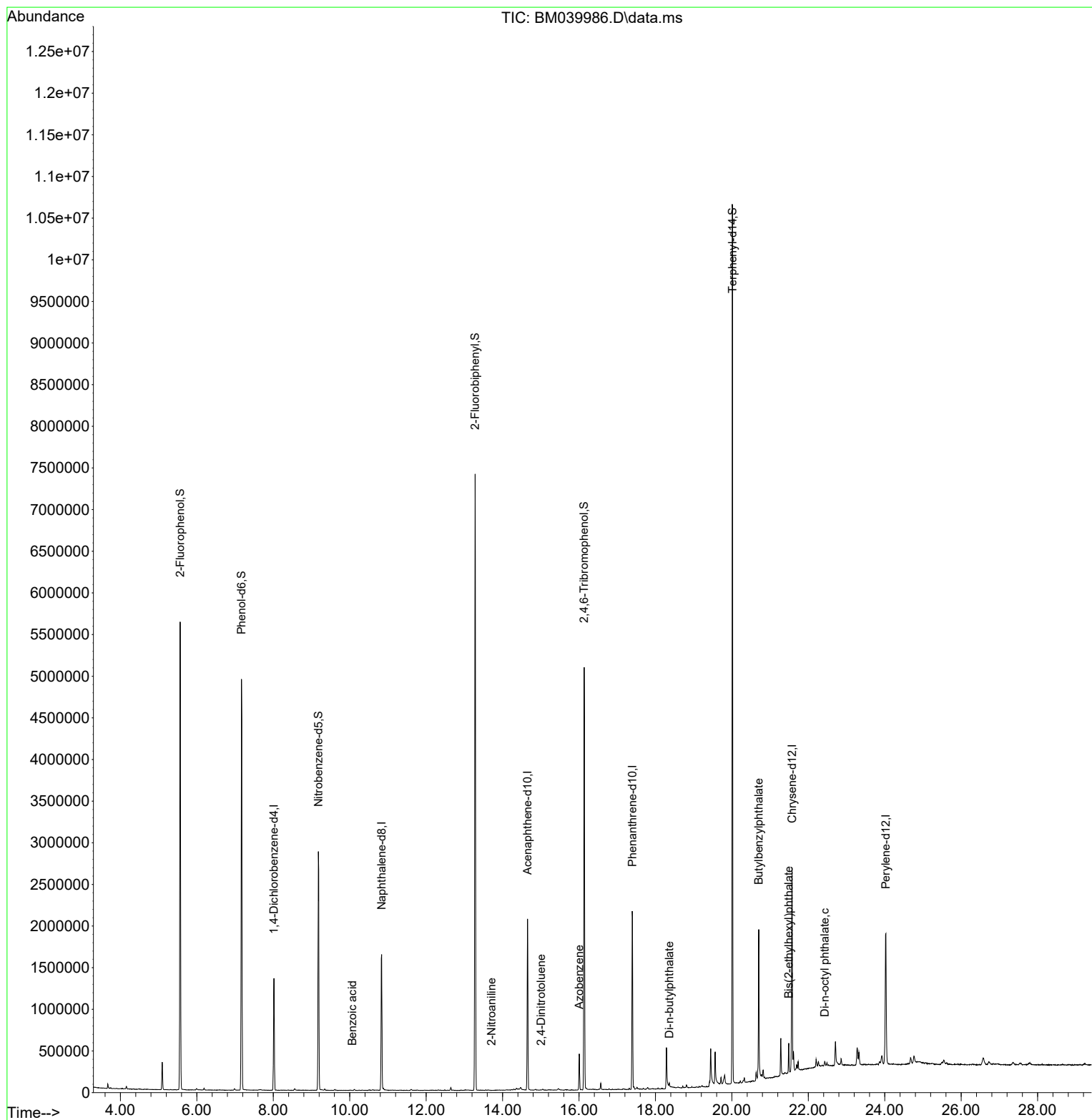
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	360749	20.000	ng	0.00
21) Naphthalene-d8	10.834	136	1371386	20.000	ng	0.00
39) Acenaphthene-d10	14.651	164	662323	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	1196206	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1033561	20.000	ng	0.00
86) Perylene-d12	24.027	264	1109067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	2483101	105.584	ng	0.00
7) Phenol-d6	7.169	99	2902804	94.620	ng	0.00
23) Nitrobenzene-d5	9.181	82	1585467	62.384	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	874454	101.723	ng	0.00
45) 2-Fluorobiphenyl	13.280	172	3578304	63.724	ng	0.00
79) Terphenyl-d14	20.015	244	4831379	72.581	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.063	122	188	7.814	ng	# 53
48) 2-Nitroaniline	13.710	65	539	2.605	ng	# 2
57) 2,4-Dinitrotoluene	15.010	165	889	3.808	ng	# 79
63) Azobenzene	16.004	77	115869	2.355	ng	# 1
74) Di-n-butylphthalate	18.363	149	31627	4.019	ng	# 99
80) Butylbenzylphthalate	20.704	149	8797	5.086	ng	# 47
84) Bis(2-ethylhexyl)phtha...	21.486	149	129640	6.015	ng	# 97
85) Di-n-octyl phthalate	22.427	149	42996	7.099	ng	# 95

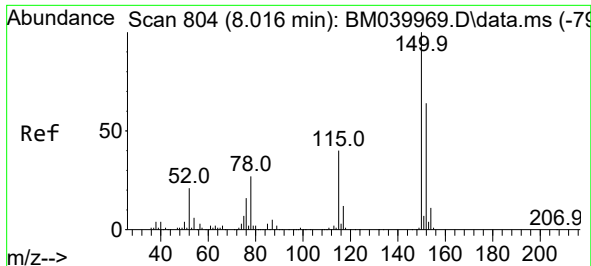
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 24 16:59:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 24 01:06:13 2023
Response via : Initial Calibration

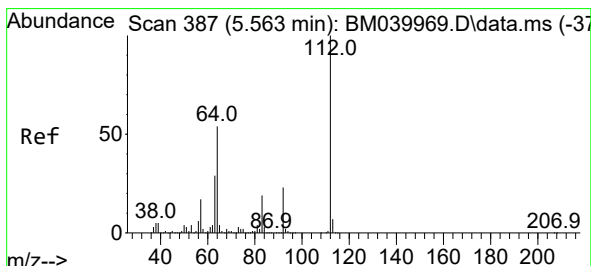
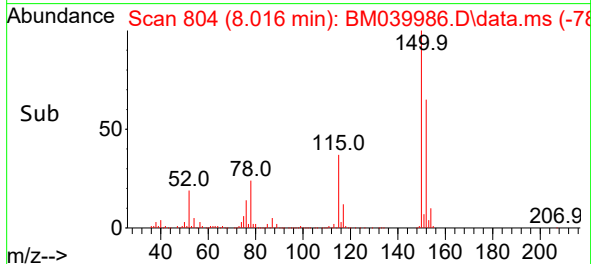
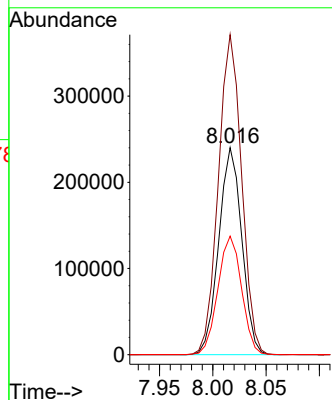
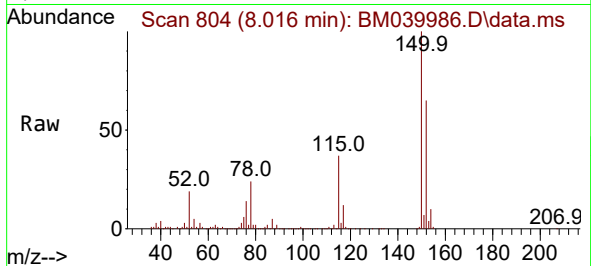




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.016 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

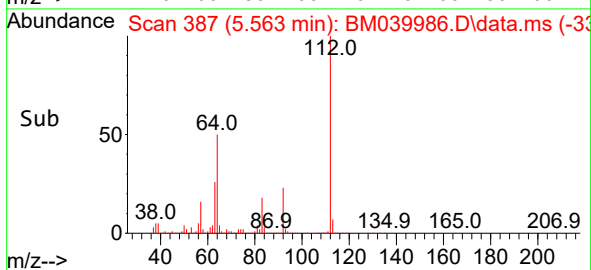
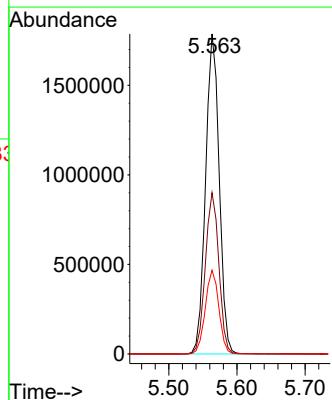
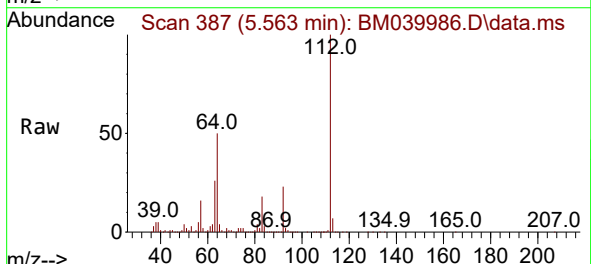
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)

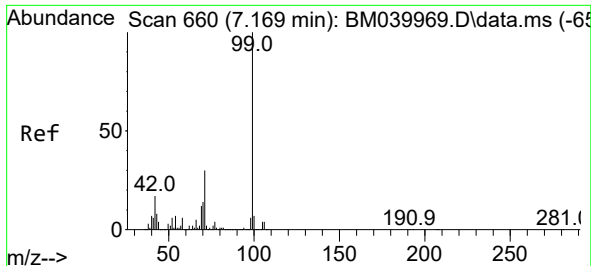
Tgt Ion:152 Resp: 360749
Ion Ratio Lower Upper
152 100
150 154.5 125.5 188.3
115 57.2 50.2 75.2



#5
2-Fluorophenol
Concen: 105.584 ng
RT: 5.563 min Scan# 387
Delta R.T. 0.000 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

Tgt Ion:112 Resp: 2483101
Ion Ratio Lower Upper
112 100
64 50.4 43.0 64.4
63 26.2 22.9 34.3

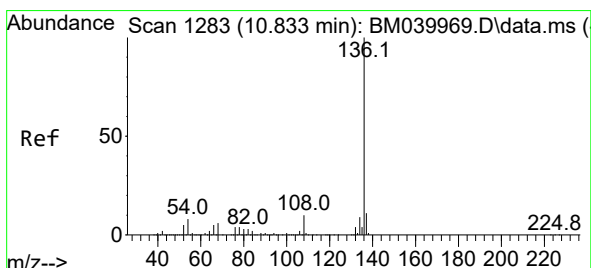
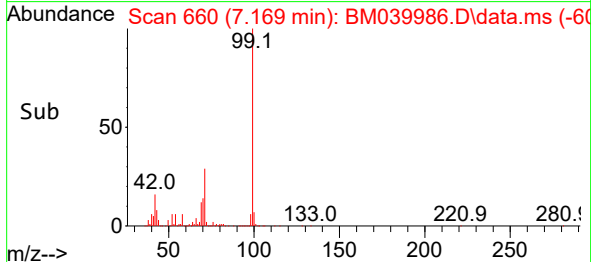
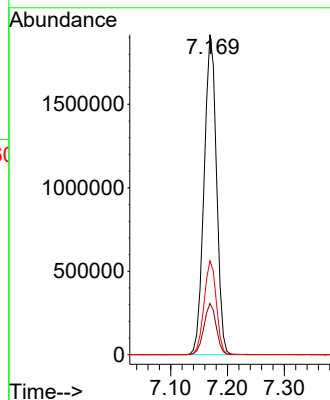
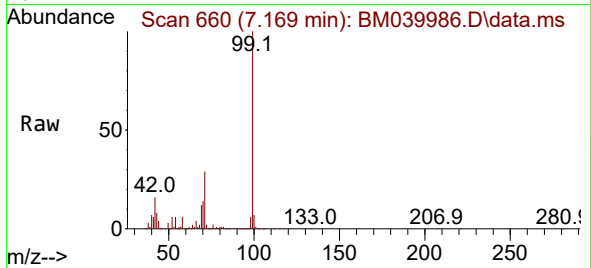




#7
Phenol-d6
Concen: 94.620 ng
RT: 7.169 min Scan# 660
Delta R.T. 0.000 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

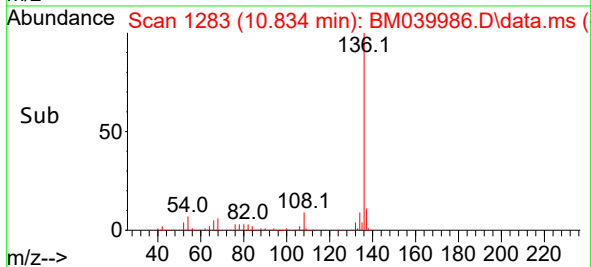
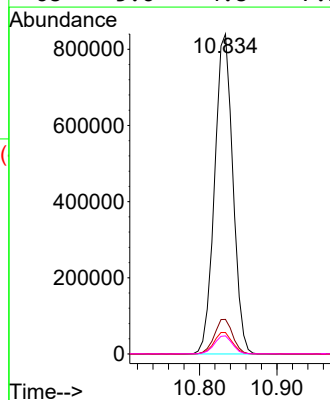
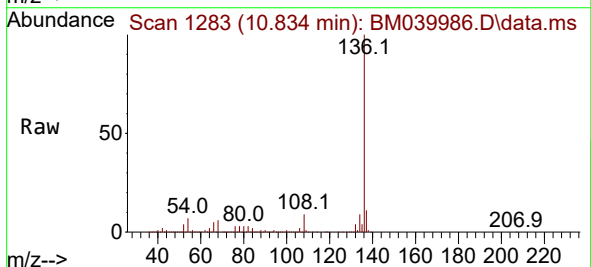
Instrument :
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ClientSampleId :
MID2-44(10-11)

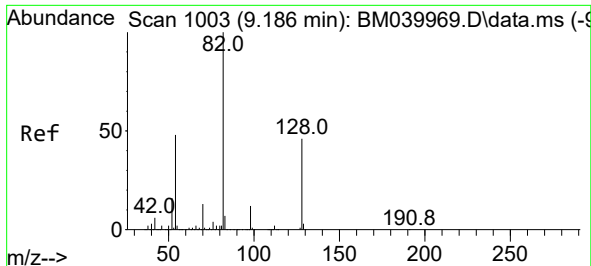
Tgt Ion: 99 Resp: 2902804
Ion Ratio Lower Upper
99 100
42 16.0 13.8 20.6
71 29.4 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.834 min Scan# 1283
Delta R.T. 0.001 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

Tgt Ion: 136 Resp: 1371386
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.7 6.1 9.1
68 5.6 4.8 7.2

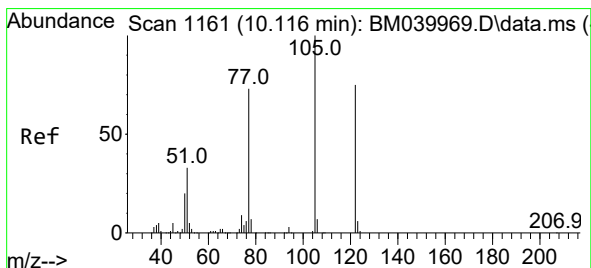
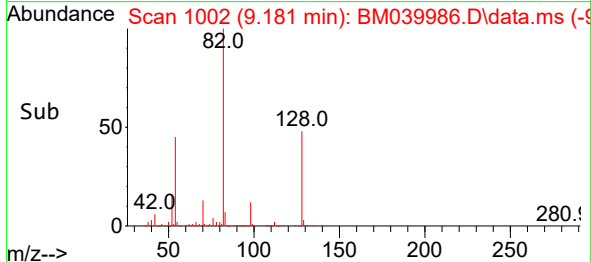
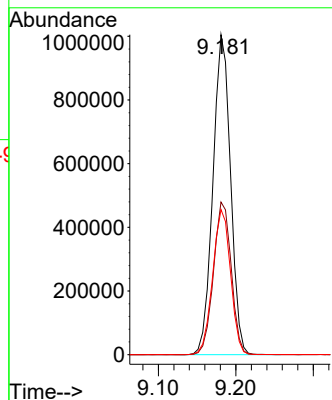
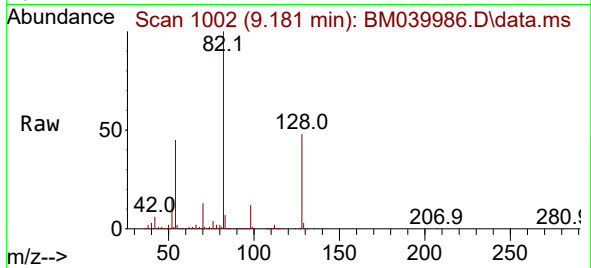




#23
Nitrobenzene-d5
Concen: 62.384 ng
RT: 9.181 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

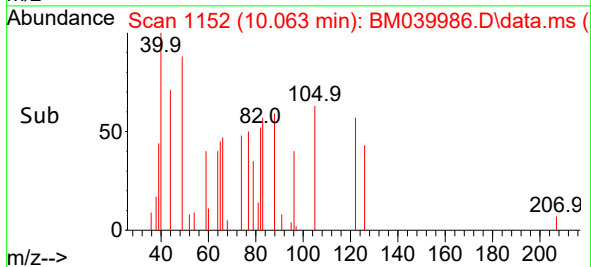
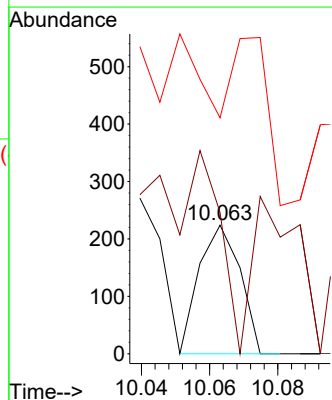
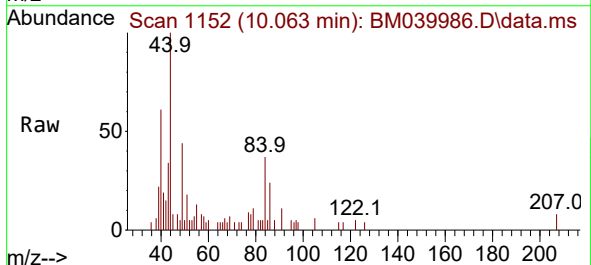
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)

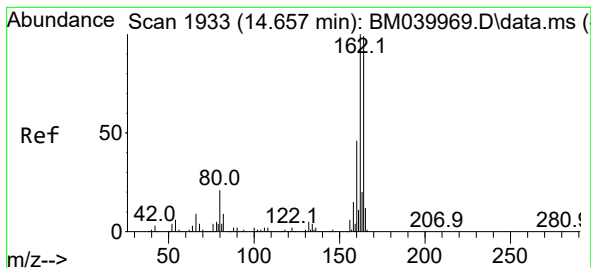
Tgt Ion: 82 Resp: 1585467
Ion Ratio Lower Upper
82 100
128 47.7 36.5 54.7
54 45.4 38.3 57.5



#32
Benzoic acid
Concen: 7.814 ng
RT: 10.063 min Scan# 1152
Delta R.T. -0.053 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

Tgt Ion:122 Resp: 188
Ion Ratio Lower Upper
122 100
105 109.8 106.0 146.0
77 183.5 74.7 114.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.651 min Scan# 1933

Delta R.T. -0.006 min

Lab File: BM039986.D

Acq: 24 May 2023 16:22

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)

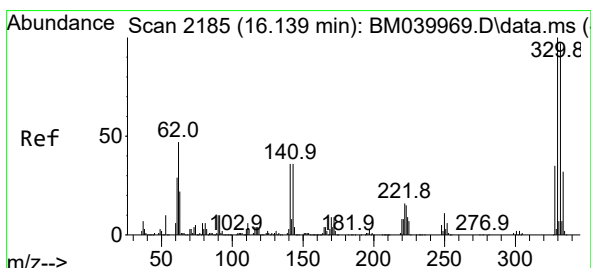
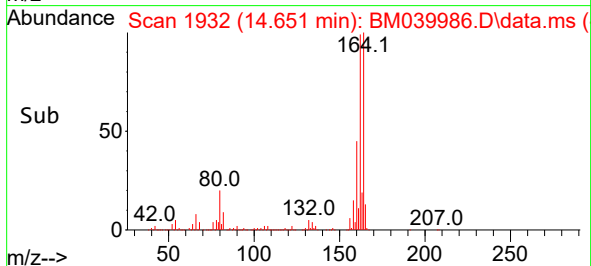
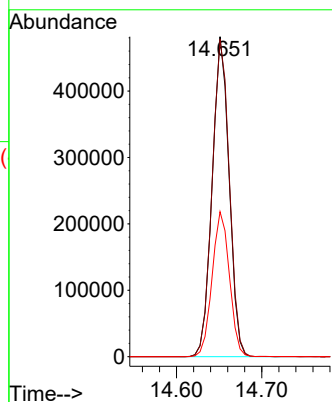
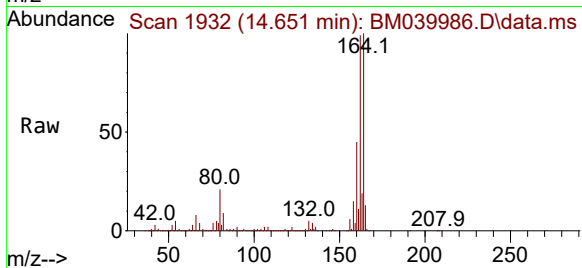
Tgt Ion:164 Resp: 662323

Ion Ratio Lower Upper

164 100

162 99.2 80.6 120.8

160 45.3 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 101.723 ng

RT: 16.133 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BM039986.D

Acq: 24 May 2023 16:22

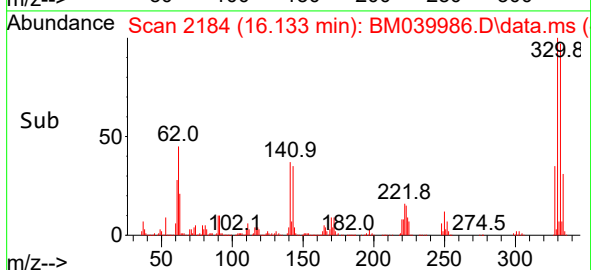
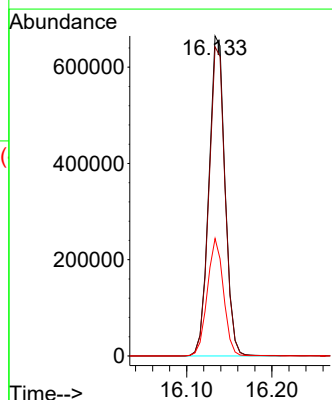
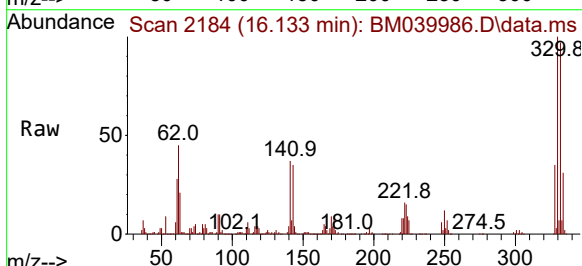
Tgt Ion:330 Resp: 874454

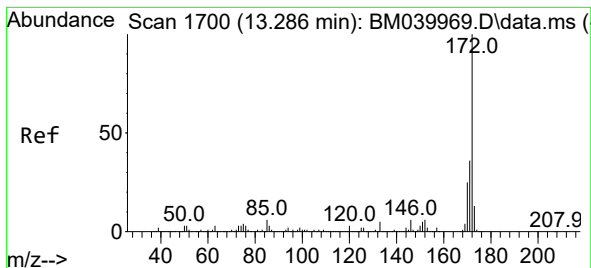
Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

141 36.9 31.6 47.4





#45

2-Fluorobiphenyl

Concen: 63.724 ng

RT: 13.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039986.D

Acq: 24 May 2023 16:22

Instrument :

BNA_M

ClientSampleId :

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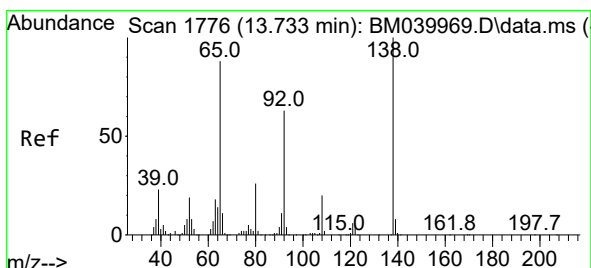
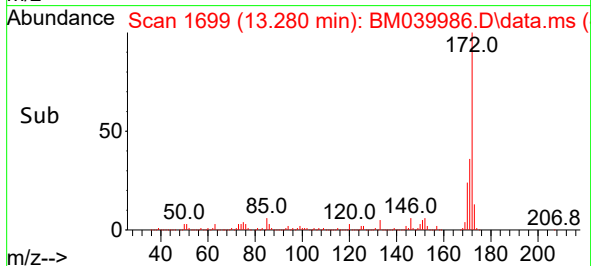
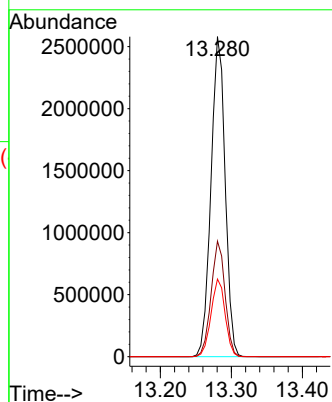
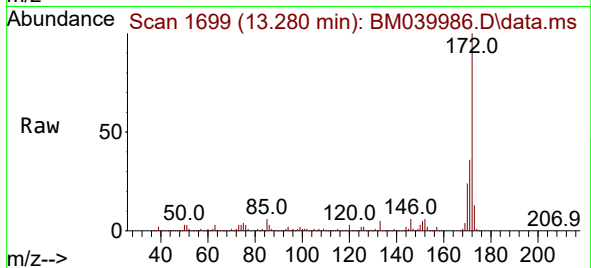
Tgt Ion:172 Resp: 3578304

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 24.3 19.6 29.4



#48

2-Nitroaniline

Concen: 2.605 ng

RT: 13.710 min Scan# 1772

Delta R.T. -0.023 min

Lab File: BM039986.D

Acq: 24 May 2023 16:22

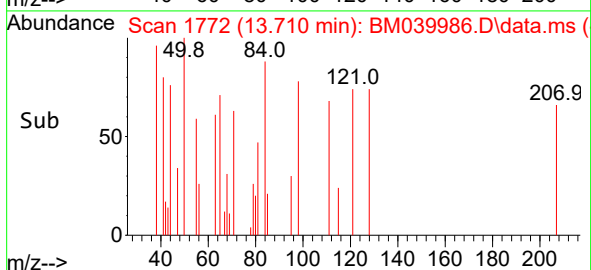
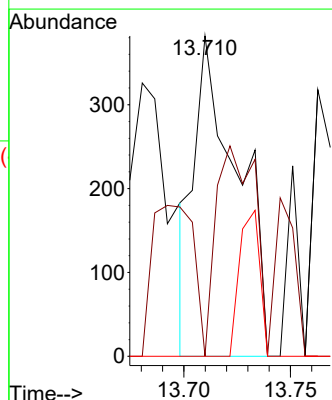
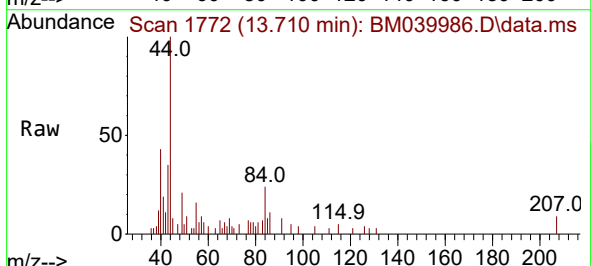
Tgt Ion: 65 Resp: 539

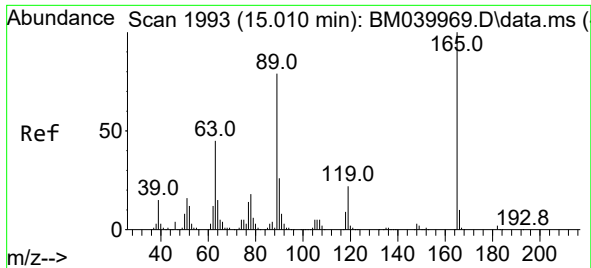
Ion Ratio Lower Upper

65 100

92 0.0 57.0 85.6#

138 0.0 91.1 136.7#

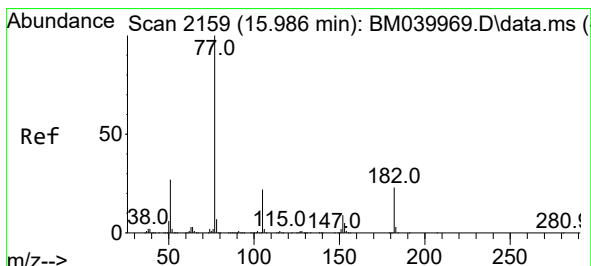
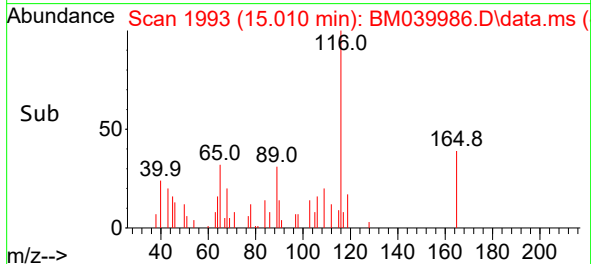
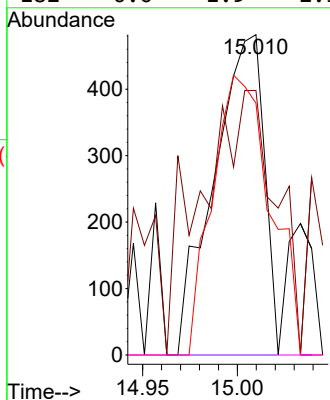
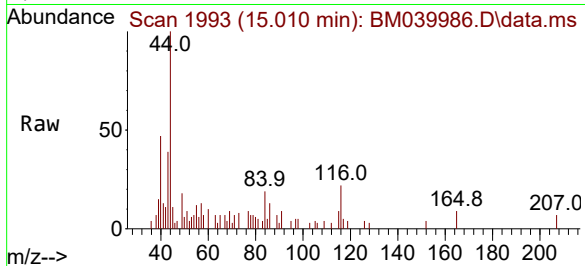




#57
2,4-Dinitrotoluene
Concen: 3.808 ng
RT: 15.010 min Scan# 1993
Delta R.T. -0.000 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

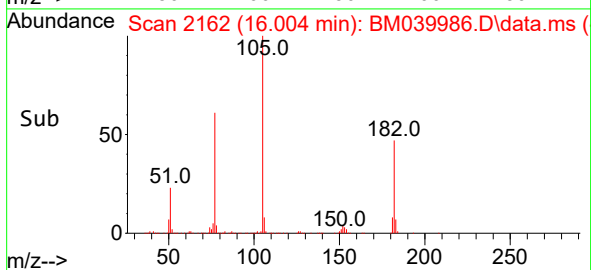
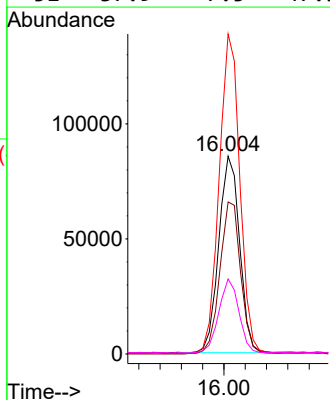
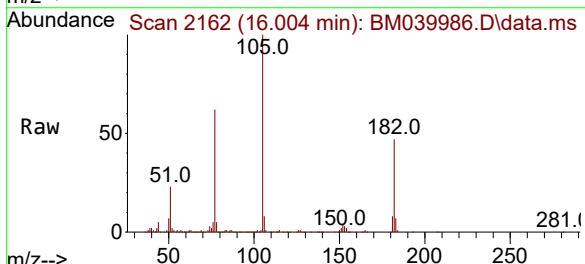
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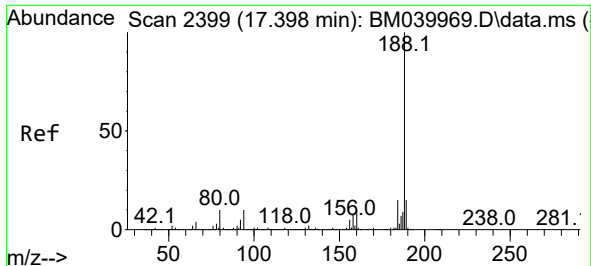
Tgt Ion:	165	Resp:	889
Ion	Ratio	Lower	Upper
165	100		
63	82.6	36.2	54.2#
89	78.6	63.4	95.0
182	0.0	1.9	2.9#



#63
Azobenzene
Concen: 2.355 ng
RT: 16.004 min Scan# 2162
Delta R.T. 0.018 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

Tgt Ion:	77	Resp:	115869
Ion	Ratio	Lower	Upper
77	100		
182	76.9	2.9	42.9#
105	161.8	1.5	41.5#
51	37.9	7.5	47.5

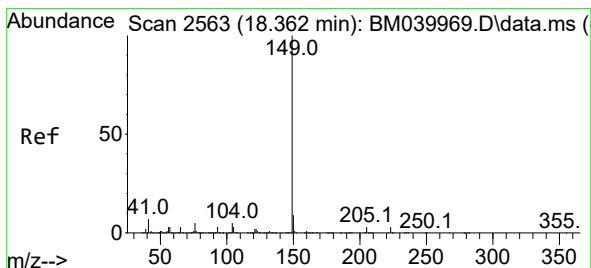
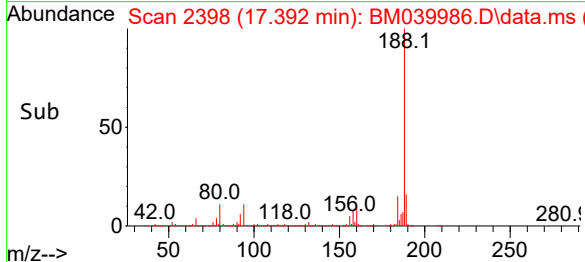
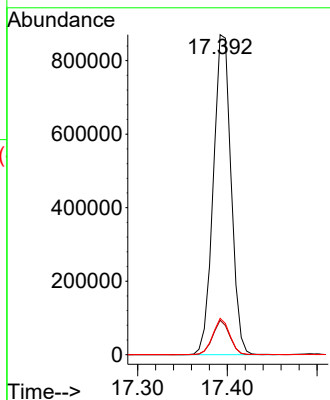
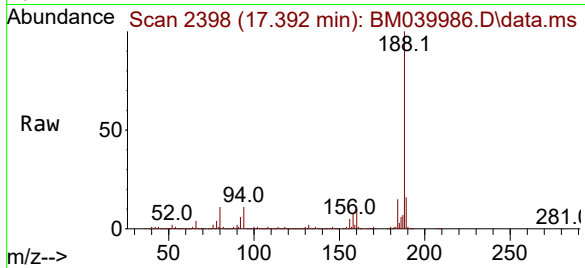




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

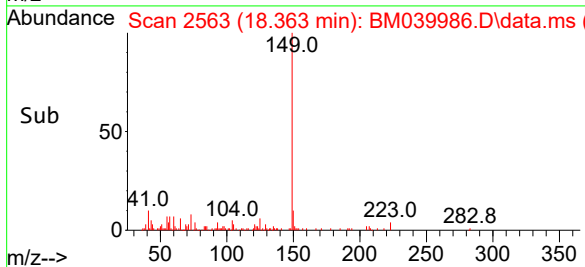
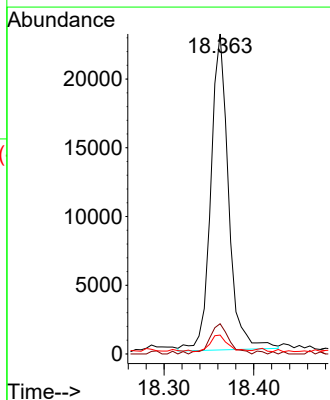
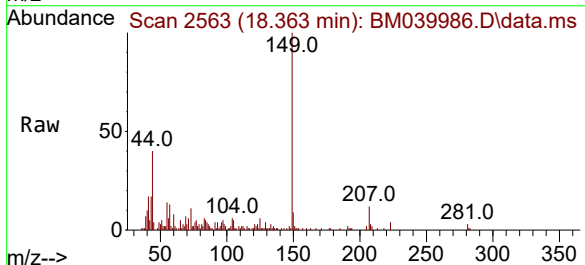
Instrument :
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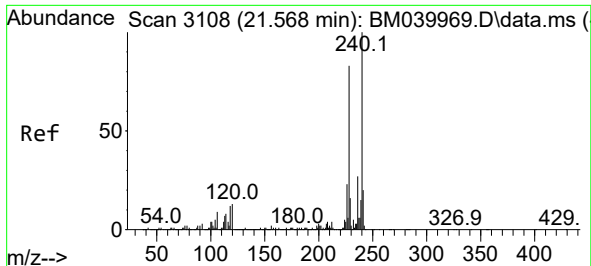
Tgt Ion:188 Resp: 1196206
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.8
80 11.4 8.2 12.4



#74
Di-n-butylphthalate
Concen: 4.019 ng
RT: 18.363 min Scan# 2563
Delta R.T. 0.001 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

Tgt Ion:149 Resp: 31627
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 5.9 4.2 6.2

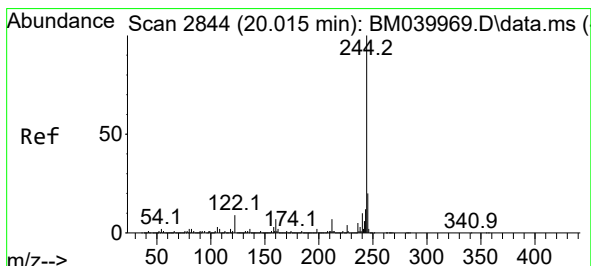
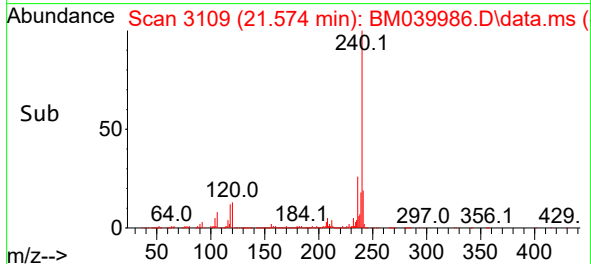
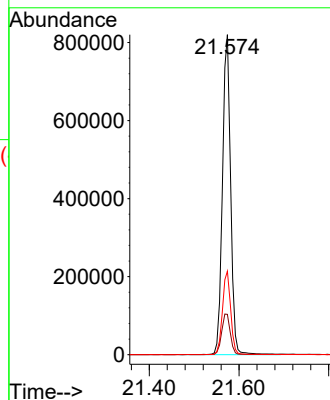
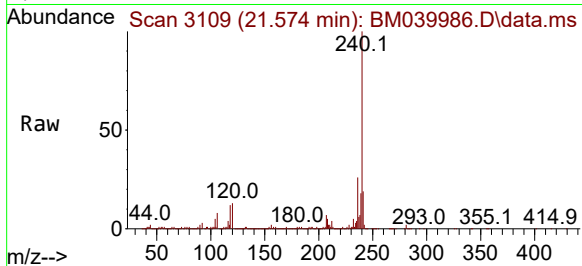




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

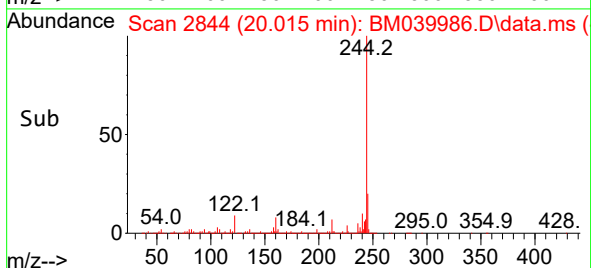
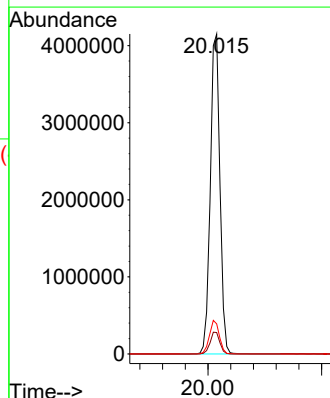
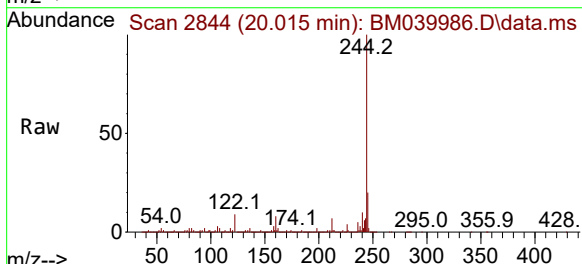
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)

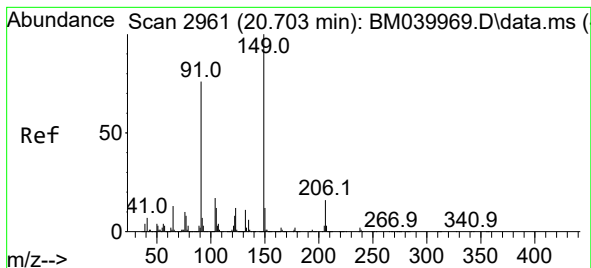
Tgt Ion:240 Resp: 1033561
Ion Ratio Lower Upper
240 100
120 12.6 10.1 15.1
236 26.1 21.3 31.9



#79
Terphenyl-d14
Concen: 72.581 ng
RT: 20.015 min Scan# 2844
Delta R.T. 0.000 min
Lab File: BM039986.D
Acq: 24 May 2023 16:22

Tgt Ion:244 Resp: 4831379
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 9.4 7.1 10.7





#80

Butylbenzylphthalate

Concen: 5.086 ng

RT: 20.704 min Scan# 2961

Delta R.T. 0.001 min

Lab File: BM039986.D

Acq: 24 May 2023 16:22

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)

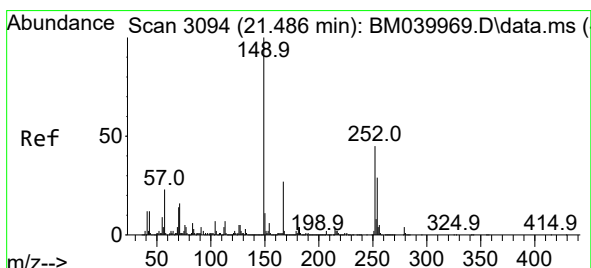
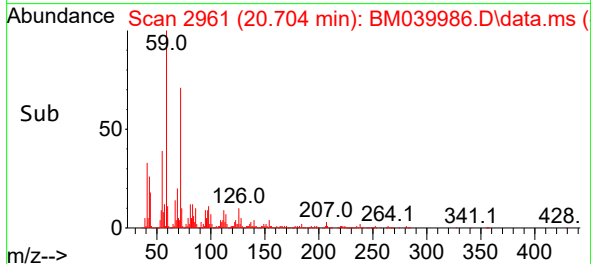
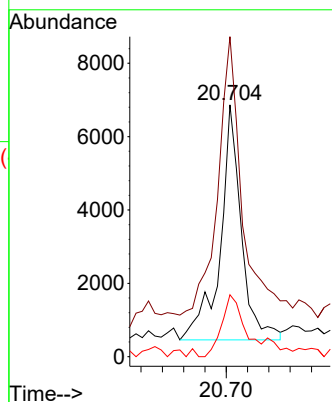
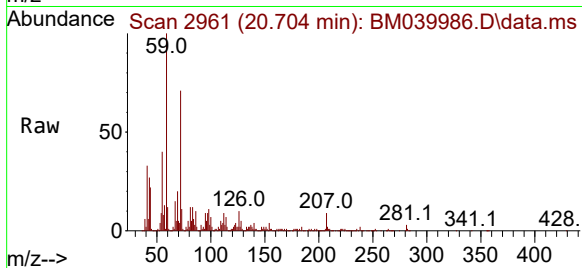
Tgt Ion:149 Resp: 8797

Ion Ratio Lower Upper

149 100

91 127.1 61.0 91.4#

206 24.6 12.7 19.1#



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.015 ng

RT: 21.486 min Scan# 3094

Delta R.T. -0.000 min

Lab File: BM039986.D

Acq: 24 May 2023 16:22

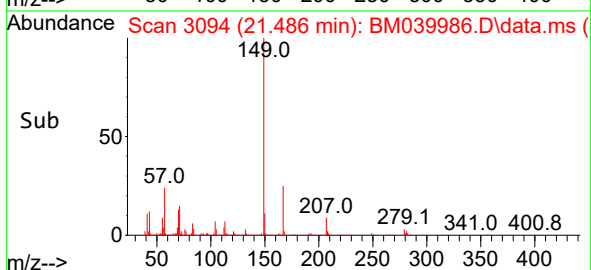
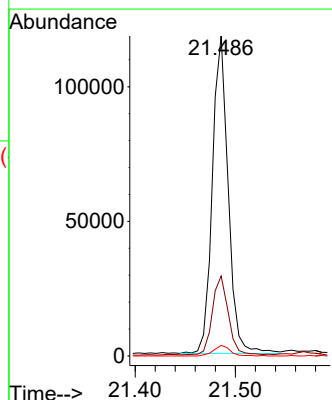
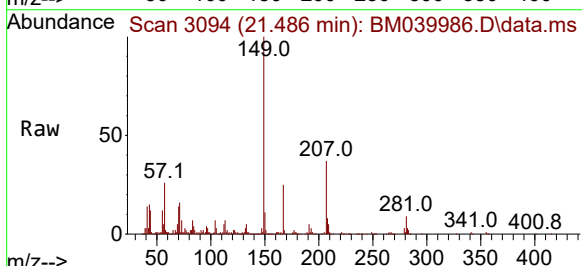
Tgt Ion:149 Resp: 129640

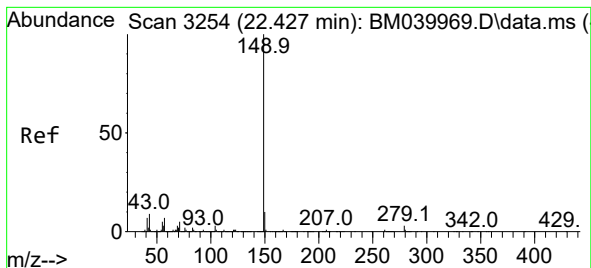
Ion Ratio Lower Upper

149 100

167 25.0 21.4 32.2

279 3.3 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 7.099 ng

RT: 22.427 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM039986.D

Acq: 24 May 2023 16:22

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)

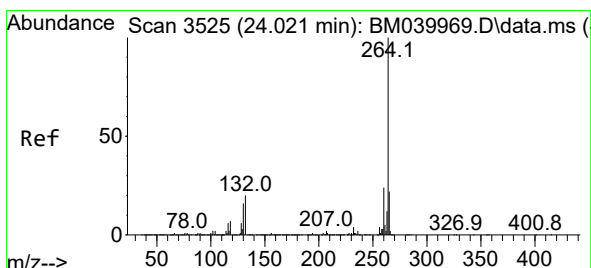
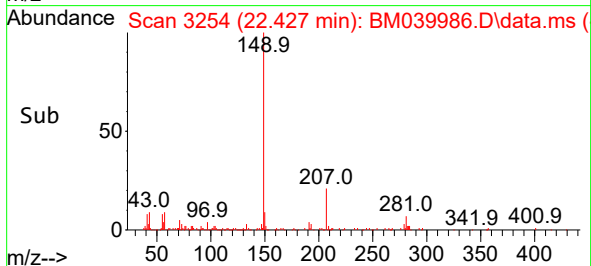
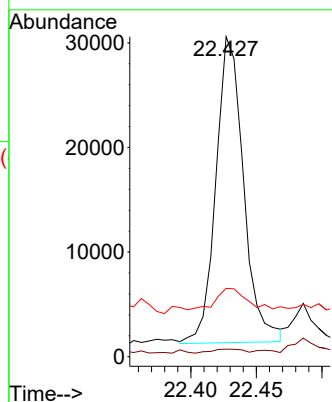
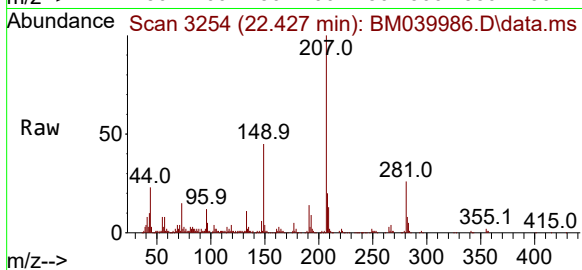
Tgt Ion:149 Resp: 42996

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 7.0 7.4 11.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.027 min Scan# 3526

Delta R.T. 0.006 min

Lab File: BM039986.D

Acq: 24 May 2023 16:22

Tgt Ion:264 Resp: 1109067

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 21.5 17.7 26.5

