

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051823\
 Data File : BM039950.D
 Acq On : 18 May 2023 15:46
 Operator : CG/JU
 Sample : 02828-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-5

Quant Time: May 19 05:19:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM051223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 15:26:41 2023
 Response via : Initial Calibration

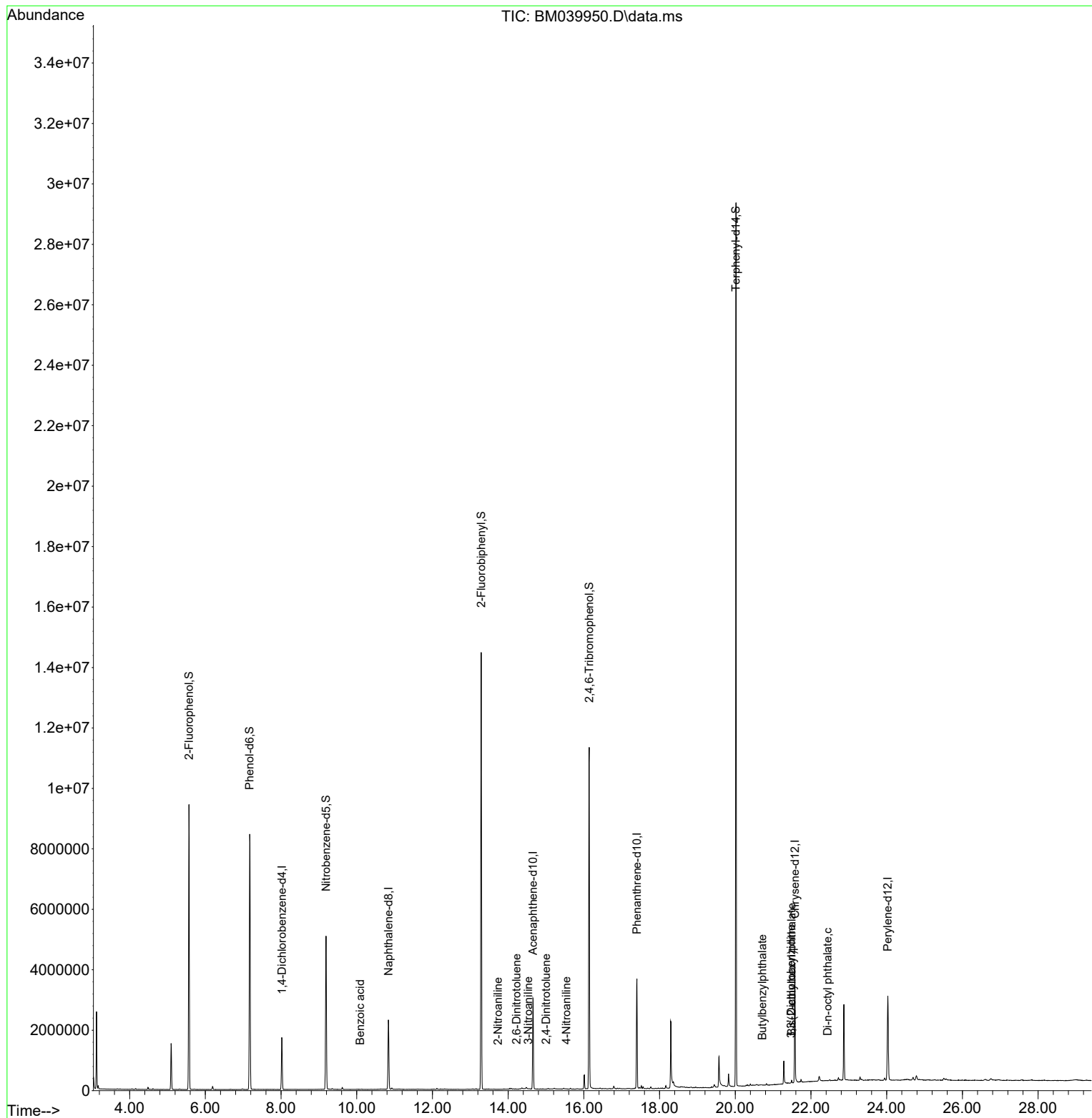
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.025	152	454021	20.000	ng	0.00
21) Naphthalene-d8	10.836	136	1867183	20.000	ng	0.00
39) Acenaphthene-d10	14.660	164	982847	20.000	ng	0.00
64) Phenanthrene-d10	17.401	188	1999725	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1671513	20.000	ng	0.00
86) Perylene-d12	24.030	264	1866164	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.566	112	4044237	144.759	ng	0.00
7) Phenol-d6	7.172	99	4974196	133.622	ng	0.00
23) Nitrobenzene-d5	9.189	82	2869100	89.994	ng	0.00
42) 2,4,6-Tribromophenol	16.142	330	2109264	113.854	ng	0.00
45) 2-Fluorobiphenyl	13.289	172	6664606	86.739	ng	0.00
79) Terphenyl-d14	20.018	244	10778226	116.703	ng	0.00
Target Compounds						
9) Benzaldehyde	7.172	77	9030	Below Cal	Qvalue #	2
32) Benzoic acid	10.089	122	211	9.939 ng	#	35
48) 2-Nitroaniline	13.730	65	731	5.061 ng	#	1
51) 2,6-Dinitrotoluene	14.219	165	138	4.104 ng	#	56
53) 3-Nitroaniline	14.530	138	66	3.941 ng	#	1
57) 2,4-Dinitrotoluene	15.001	165	174	5.077 ng	#	34
62) 4-Nitroaniline	15.536	138	94	2.844 ng	#	83
80) Butylbenzylphthalate	20.712	149	1537	4.650 ng	#	50
82) 3,3'-Dichlorobenzidine	21.477	252	307	6.685 ng	#	1
84) Bis(2-ethylhexyl)phtha...	21.489	149	34141	5.210 ng	#	93
85) Di-n-octyl phthalate	22.442	149	736	7.712 ng	#	74

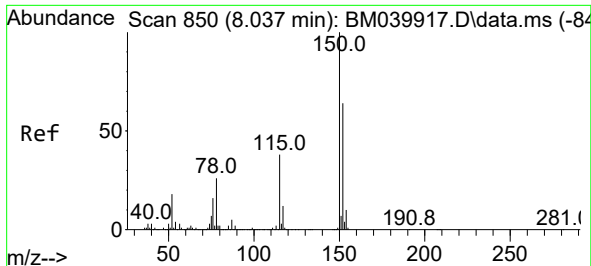
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051823\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM051223.M
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QLast Update : Thu May 18 15:26:41 2023
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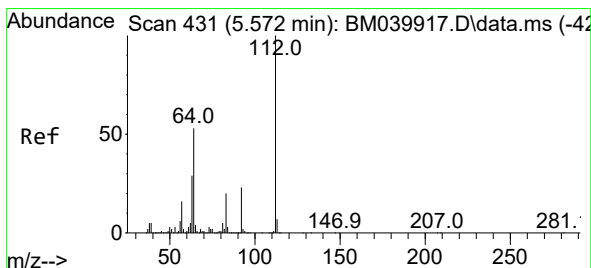
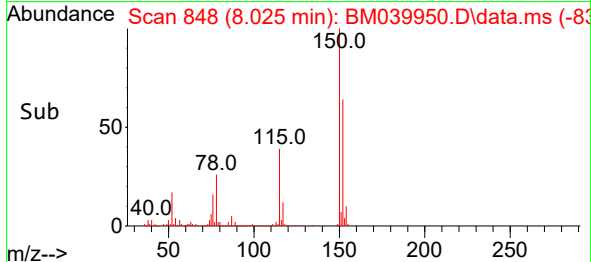
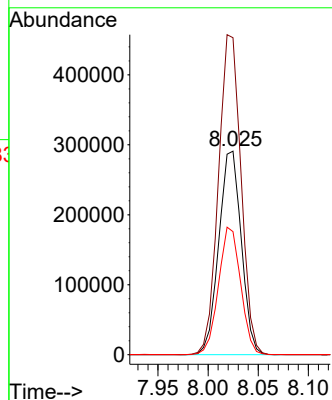
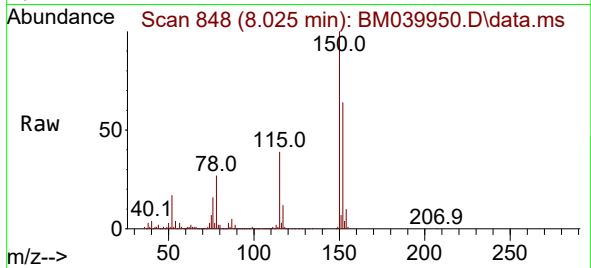




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.025 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

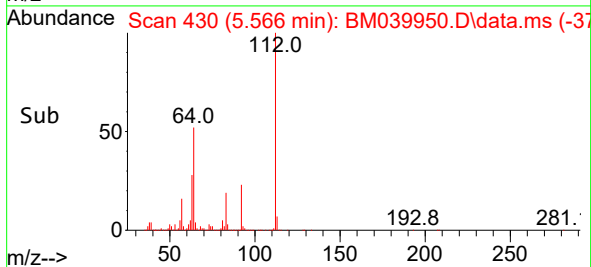
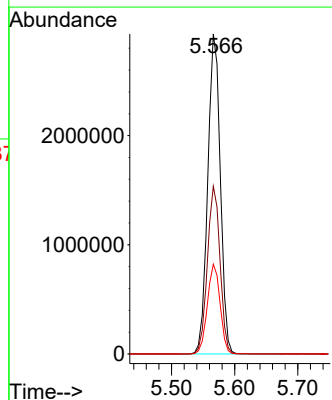
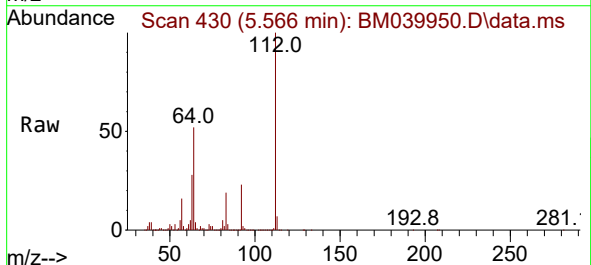
Instrument :
BNA_M
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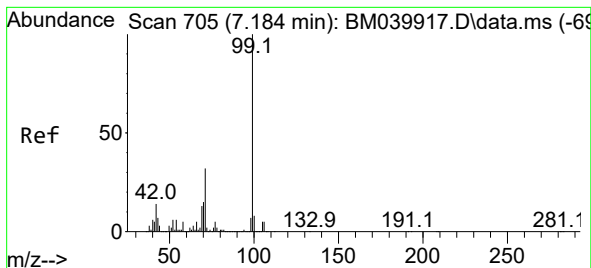
Tgt Ion:152 Resp: 454021
Ion Ratio Lower Upper
152 100
150 155.8 125.0 187.4
115 60.4 47.0 70.6



#5
2-Fluorophenol
Concen: 144.759 ng
RT: 5.566 min Scan# 430
Delta R.T. 0.000 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

Tgt Ion:112 Resp: 4044237
Ion Ratio Lower Upper
112 100
64 52.4 42.6 64.0
63 28.0 23.3 34.9





#7

Phenol-d6

Concen: 133.622 ng

RT: 7.172 min Scan# 703

Delta R.T. -0.006 min

Lab File: BM039950.D

Acq: 18 May 2023 15:46

Instrument :

BNA_M

ClientSampleId :

SB-5

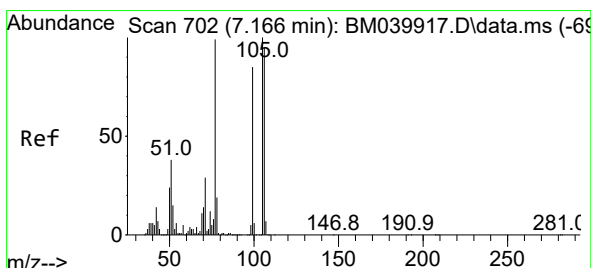
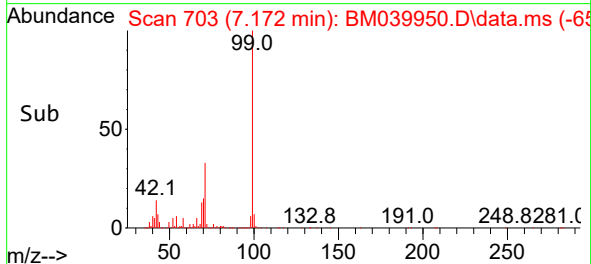
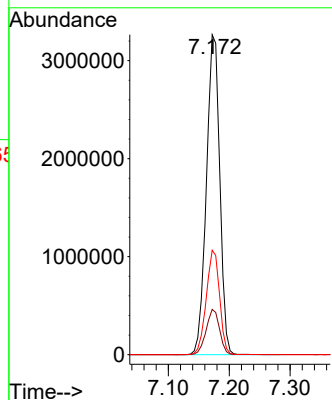
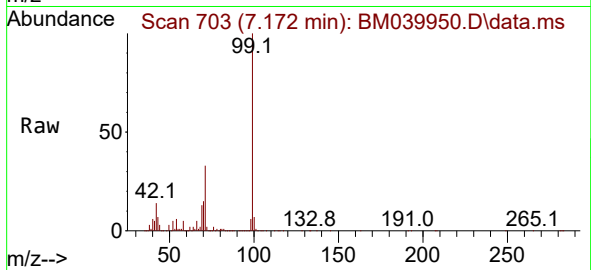
Tgt Ion: 99 Resp: 4974196

Ion Ratio Lower Upper

99 100

42 14.1 11.5 17.3

71 32.7 25.7 38.5



#9

Benzaldehyde

Concen: Below Cal

RT: 7.172 min Scan# 703

Delta R.T. 0.012 min

Lab File: BM039950.D

Acq: 18 May 2023 15:46

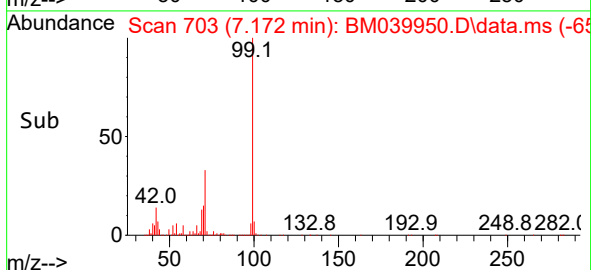
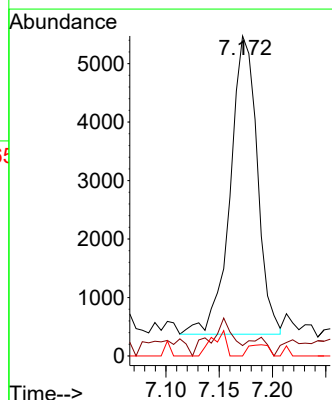
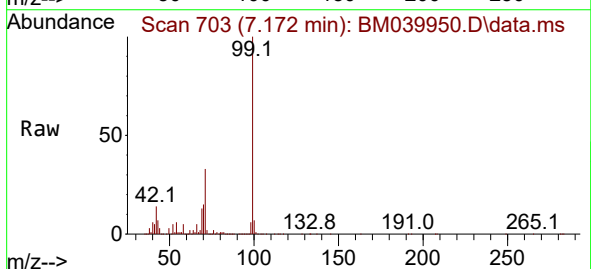
Tgt Ion: 77 Resp: 9030

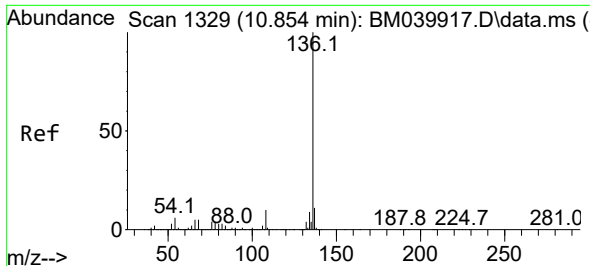
Ion Ratio Lower Upper

77 100

105 3.3 81.2 121.2#

106 0.0 76.2 116.2#

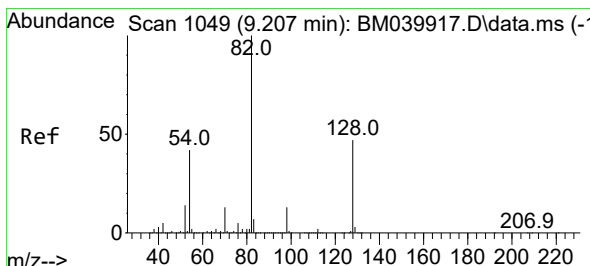
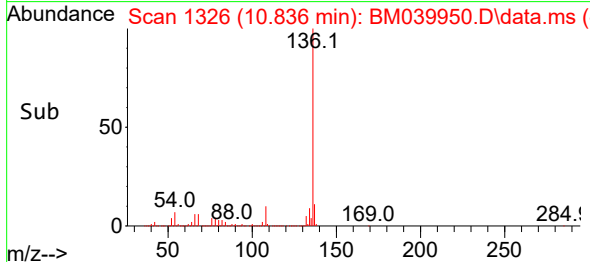
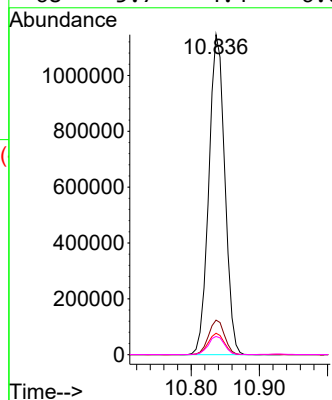
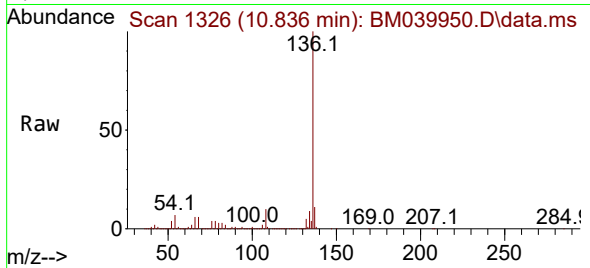




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.836 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

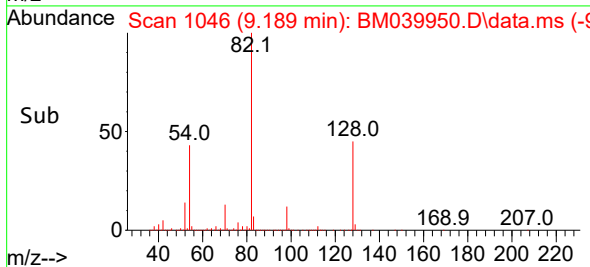
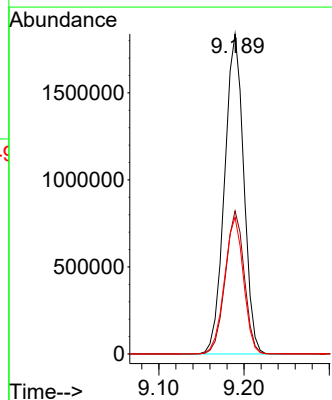
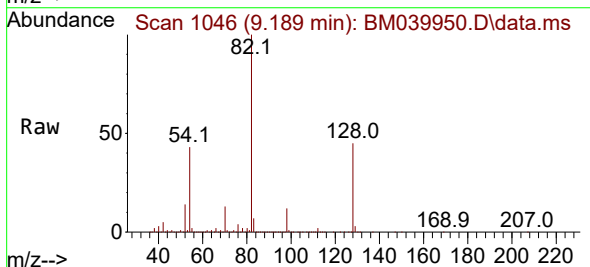
Instrument :
BNA_M
ClientSampleId :
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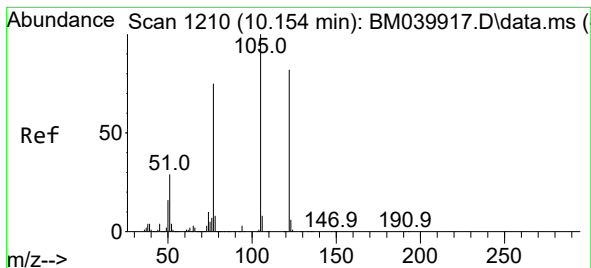
Tgt Ion:136 Resp: 1867183
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.7 5.2 7.8
68 5.7 4.4 6.6



#23
Nitrobenzene-d5
Concen: 89.994 ng
RT: 9.189 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

Tgt Ion: 82 Resp: 2869100
Ion Ratio Lower Upper
82 100
128 44.7 37.2 55.8
54 42.7 33.5 50.3





#32

Benzoic acid

Concen: 9.939 ng

RT: 10.089 min Scan# 1199

Delta R.T. -0.035 min

Lab File: BM039950.D

Acq: 18 May 2023 15:46

Instrument :

BNA_M

ClientSampleId :

SB-5

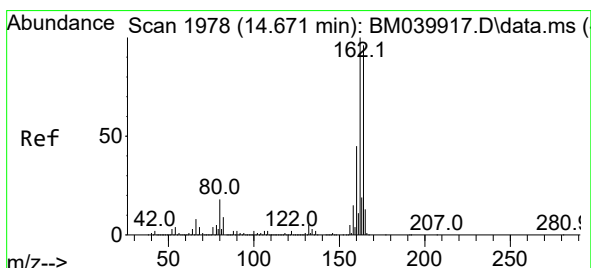
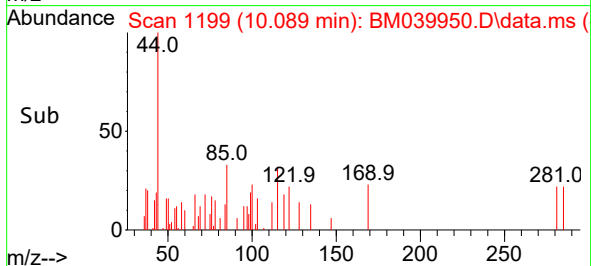
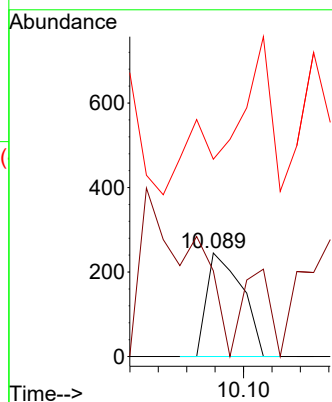
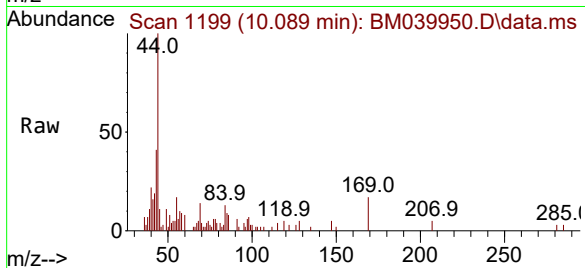
Tgt Ion:122 Resp: 211

Ion Ratio Lower Upper

122 100

105 82.9 99.9 139.9#

77 190.6 70.4 110.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.660 min Scan# 1976

Delta R.T. -0.006 min

Lab File: BM039950.D

Acq: 18 May 2023 15:46

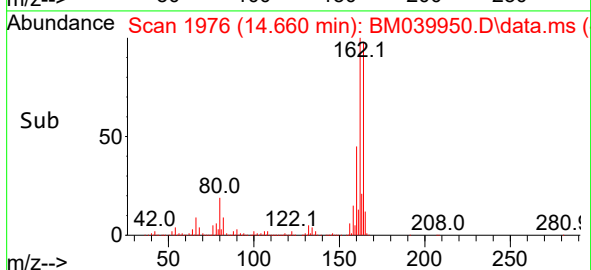
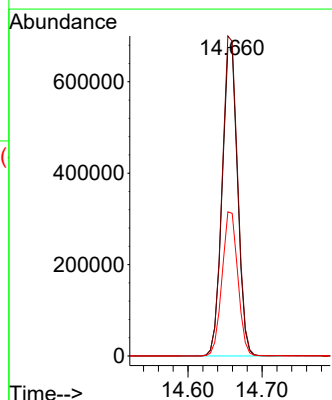
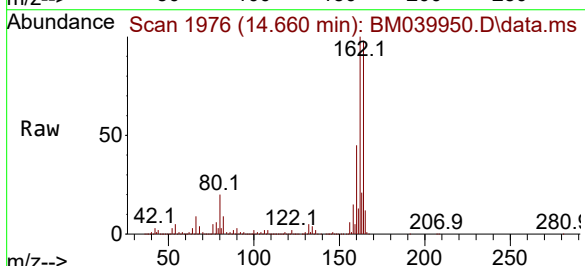
Tgt Ion:164 Resp: 982847

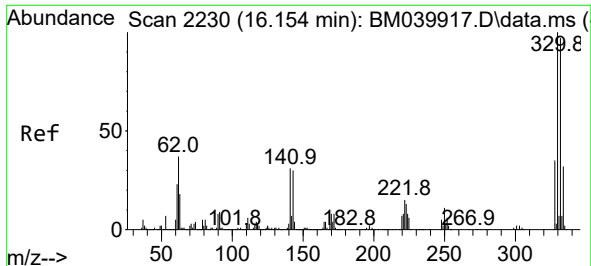
Ion Ratio Lower Upper

164 100

162 101.9 83.6 125.4

160 46.2 37.8 56.6

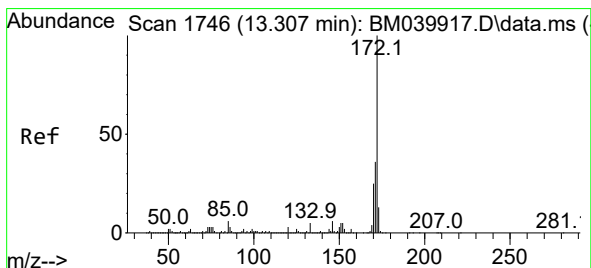
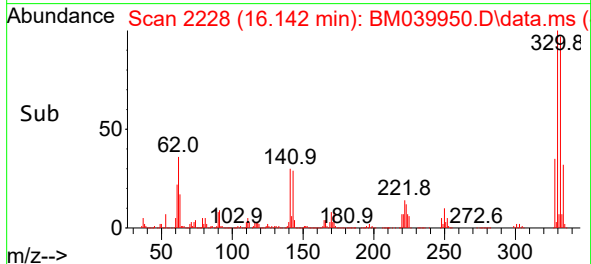
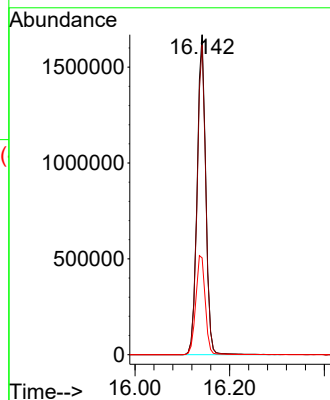
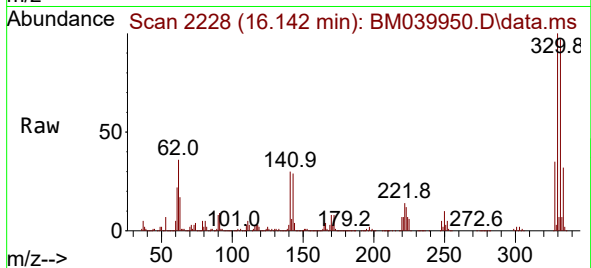




#42
2,4,6-Tribromophenol
Concen: 113.854 ng
RT: 16.142 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

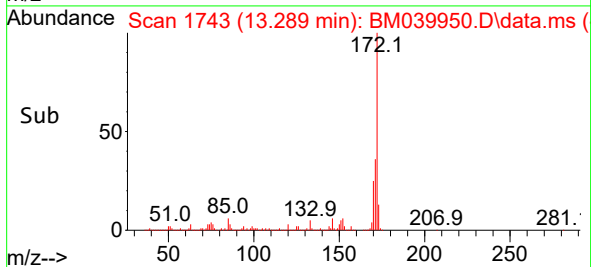
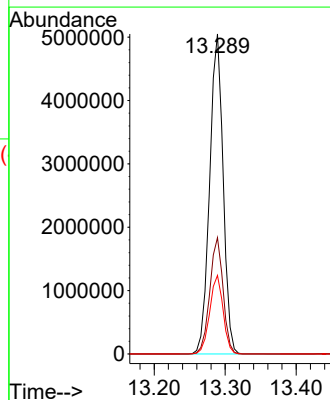
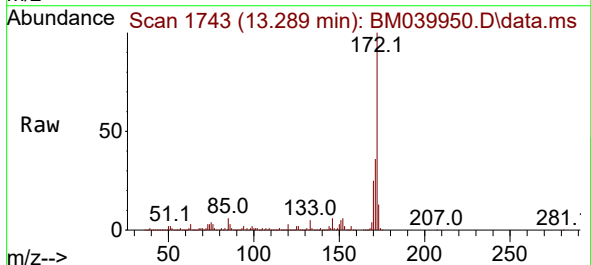
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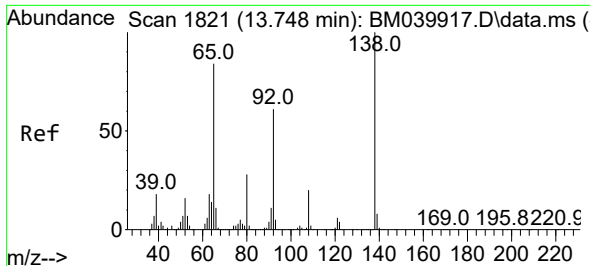
Tgt Ion:330 Resp: 2109264
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 34.1 25.6 38.4



#45
2-Fluorobiphenyl
Concen: 86.739 ng
RT: 13.289 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

Tgt Ion:172 Resp: 6664606
Ion Ratio Lower Upper
172 100
171 36.4 28.9 43.3
170 24.6 19.9 29.9

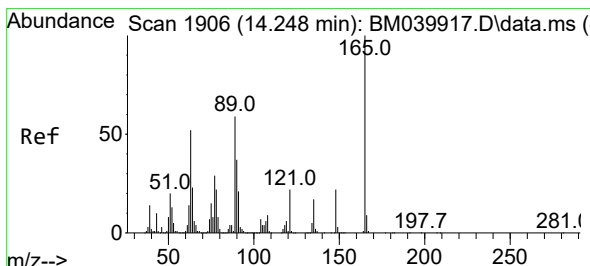
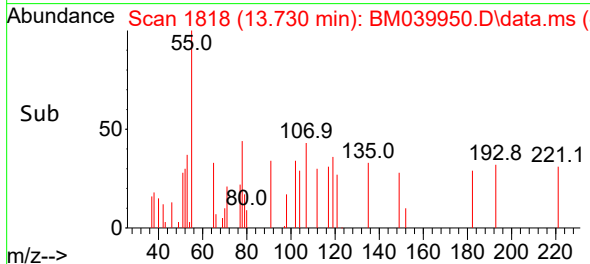
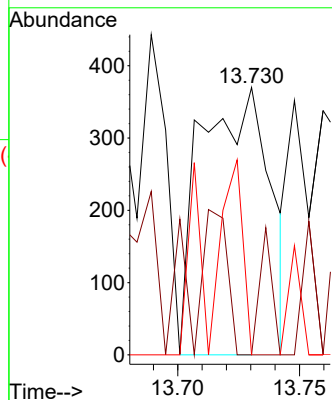
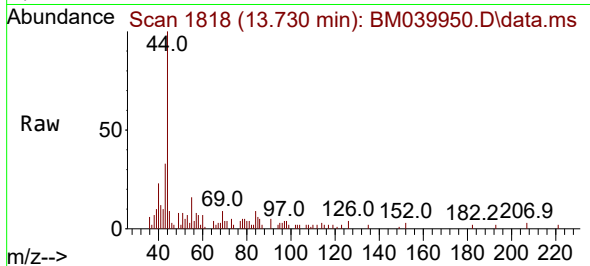




#48
2-Nitroaniline
Concen: 5.061 ng
RT: 13.730 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

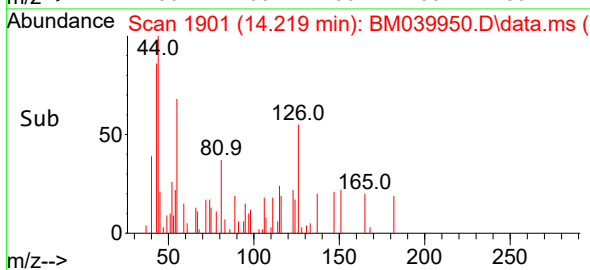
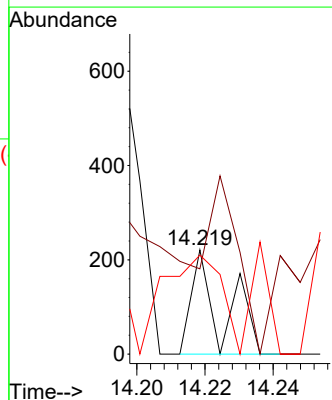
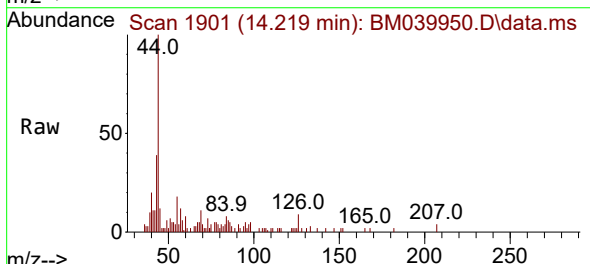
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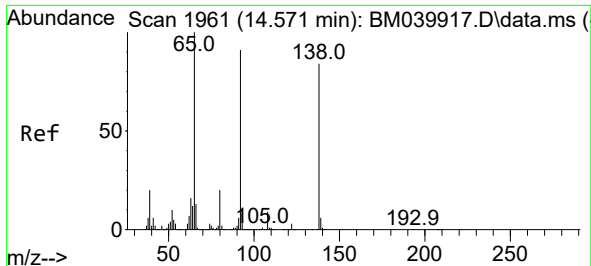
Tgt Ion: 65 Resp: 731
Ion Ratio Lower Upper
65 100
92 0.0 57.7 86.5#
138 0.0 95.0 142.6#



#51
2,6-Dinitrotoluene
Concen: 4.104 ng
RT: 14.219 min Scan# 1901
Delta R.T. -0.018 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

Tgt Ion: 165 Resp: 138
Ion Ratio Lower Upper
165 100
63 81.9 42.3 63.5#
89 95.0 47.4 71.0#

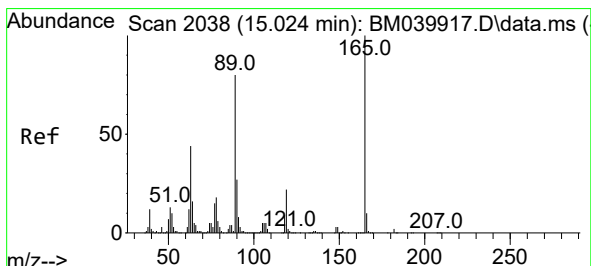
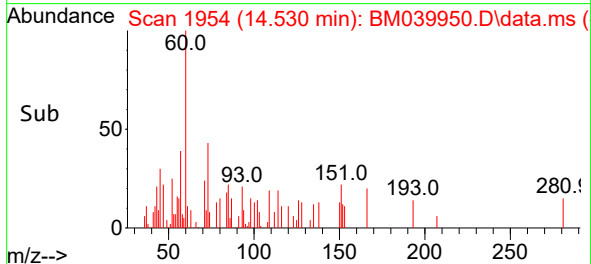
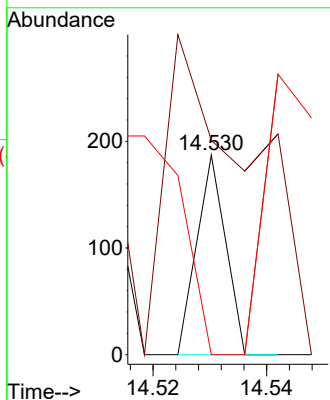
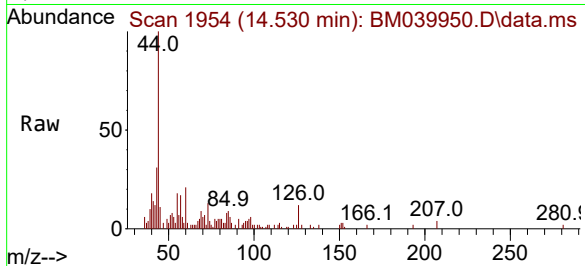




#53
3-Nitroaniline
Concen: 3.941 ng
RT: 14.530 min Scan# 1961
Delta R.T. -0.035 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

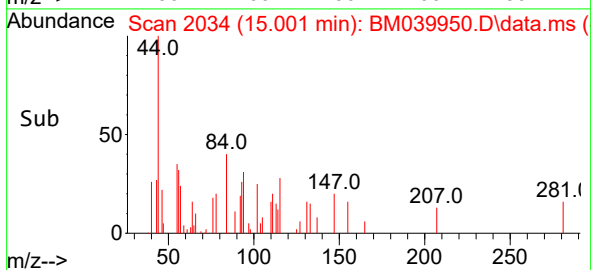
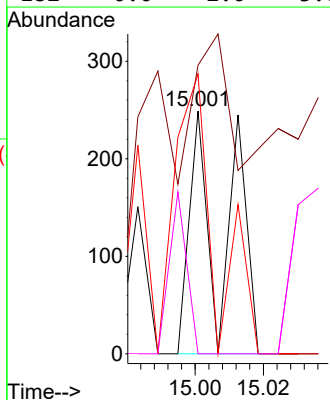
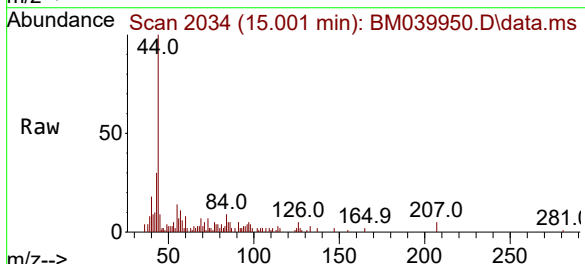
Instrument :
BNA_M
ClientSampleId :
SB-5

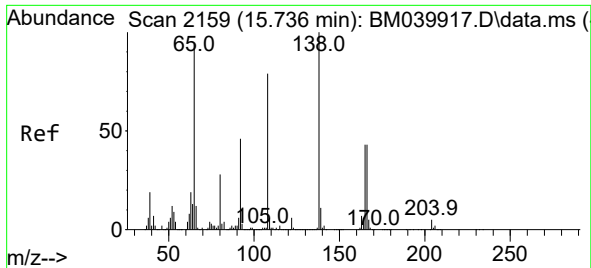
Tgt Ion:138 Resp: 66
Ion Ratio Lower Upper
138 100
108 107.5 8.6 12.8#
92 0.0 87.3 130.9#



#57
2,4-Dinitrotoluene
Concen: 5.077 ng
RT: 15.001 min Scan# 2034
Delta R.T. -0.018 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

Tgt Ion:165 Resp: 174
Ion Ratio Lower Upper
165 100
63 118.9 35.5 53.3#
89 115.3 63.8 95.6#
182 0.0 2.0 3.0#

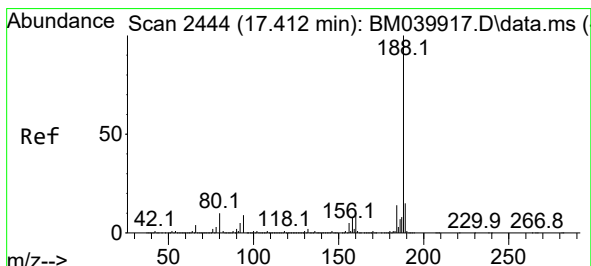
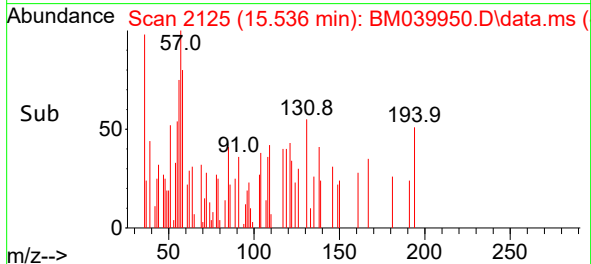
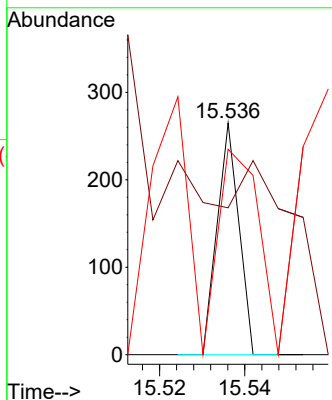
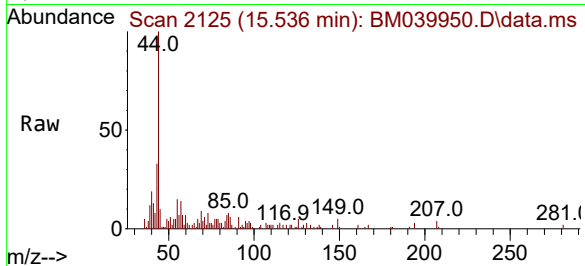




#62
4-Nitroaniline
Concen: 2.844 ng
RT: 15.536 min Scan# 2159
Delta R.T. -0.188 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

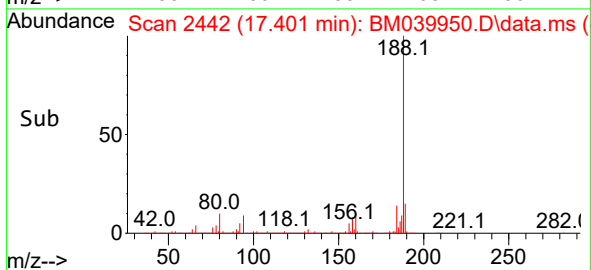
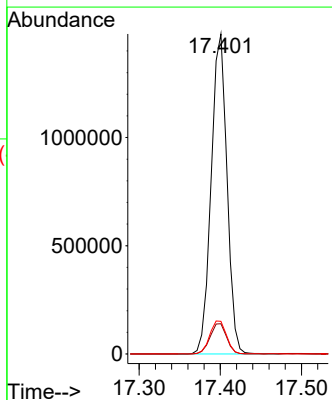
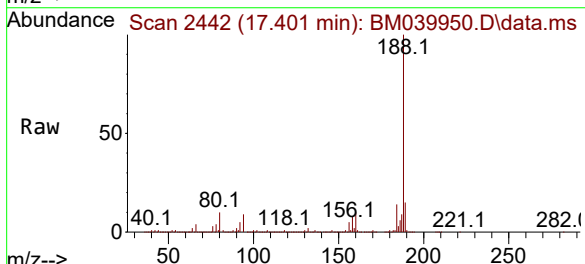
Instrument :
BNA_M
ClientSampleId :
SB-5

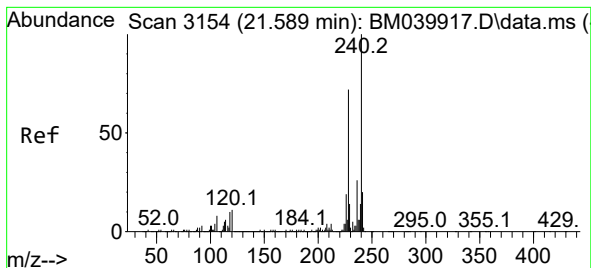
Tgt Ion:138 Resp: 94
Ion Ratio Lower Upper
138 100
92 63.4 25.5 65.5
108 88.7 59.5 99.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.401 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

Tgt Ion:188 Resp: 1999725
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.2 8.0 12.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.577 min Scan# 3154

Delta R.T. -0.006 min

Lab File: BM039950.D

Acq: 18 May 2023 15:46

Instrument :

BNA_M

ClientSampleId :

SB-5

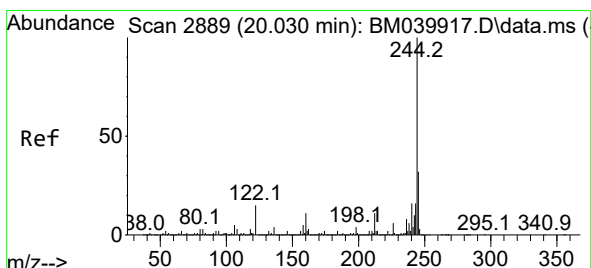
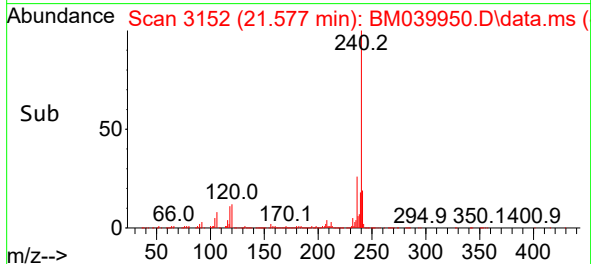
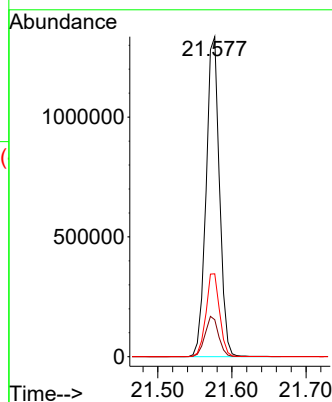
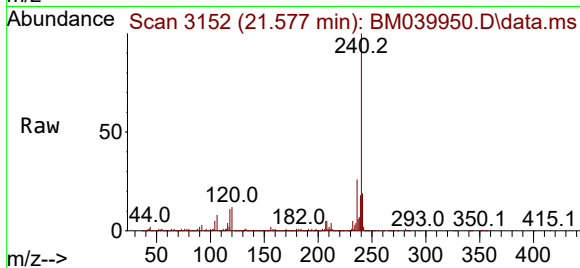
Tgt Ion:240 Resp: 1671513

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.4

236 25.9 20.9 31.3



#79

Terphenyl-d14

Concen: 116.703 ng

RT: 20.018 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BM039950.D

Acq: 18 May 2023 15:46

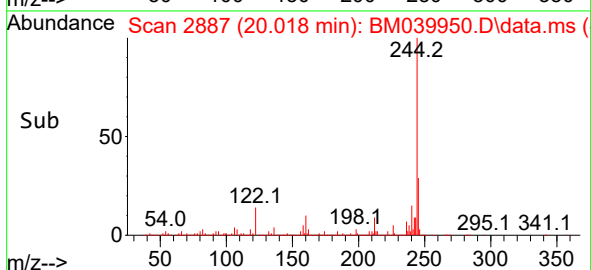
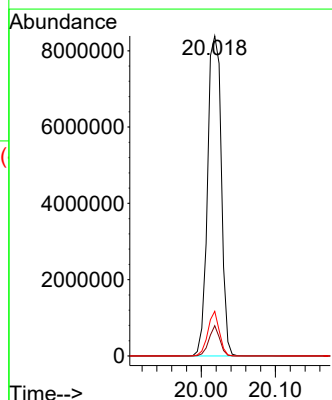
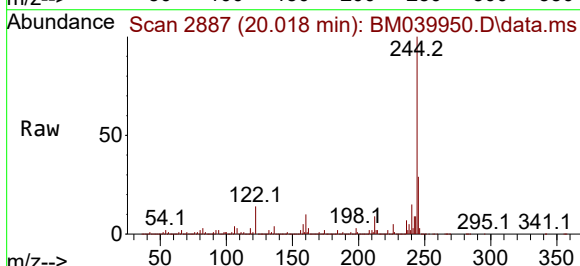
Tgt Ion:244 Resp:10778226

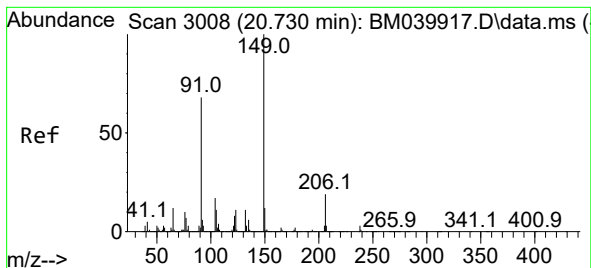
Ion Ratio Lower Upper

244 100

212 9.4 8.5 12.7

122 13.9 12.1 18.1





#80

Butylbenzylphthalate

Concen: 4.650 ng

RT: 20.712 min Scan# 3005

Delta R.T. -0.006 min

Lab File: BM039950.D

Acq: 18 May 2023 15:46

Instrument :

BNA_M

ClientSampleId :

SB-5

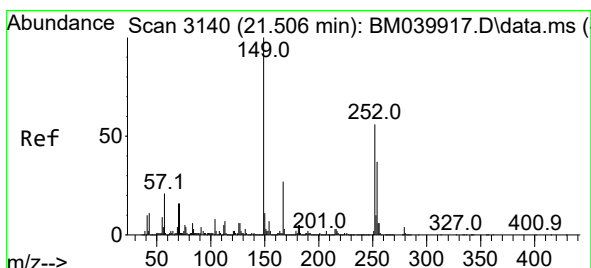
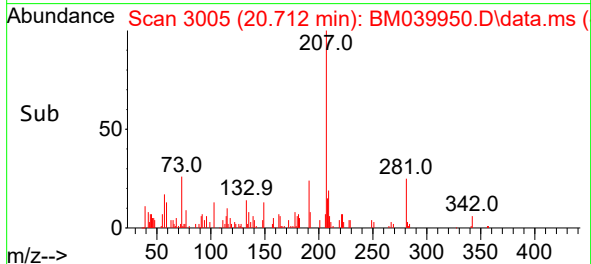
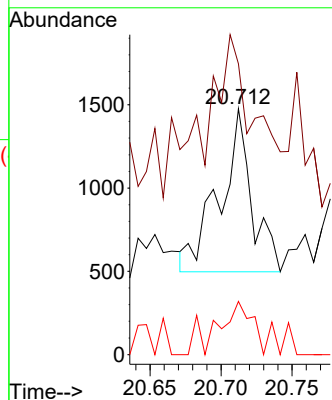
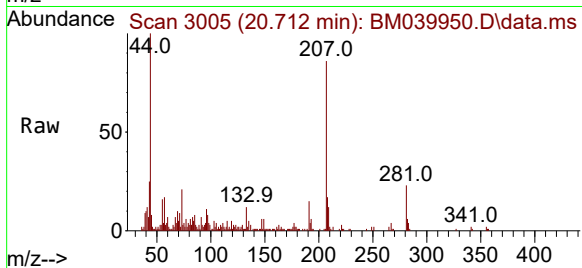
Tgt Ion:149 Resp: 1537

Ion Ratio Lower Upper

149 100

91 118.3 54.5 81.7#

206 21.7 14.9 22.3



#82

3,3'-Dichlorobenzidine

Concen: 6.685 ng

RT: 21.477 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM039950.D

Acq: 18 May 2023 15:46

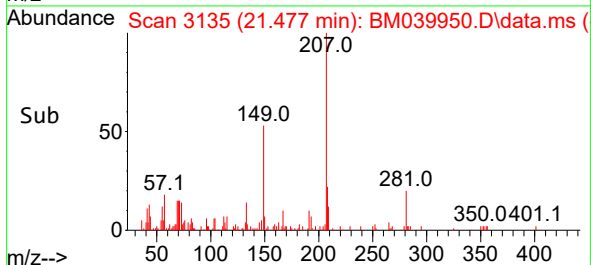
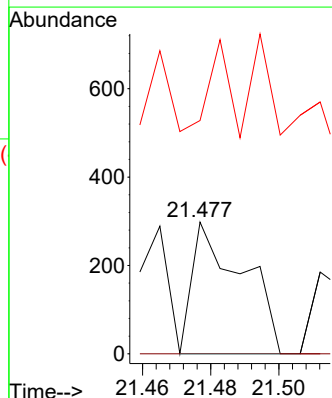
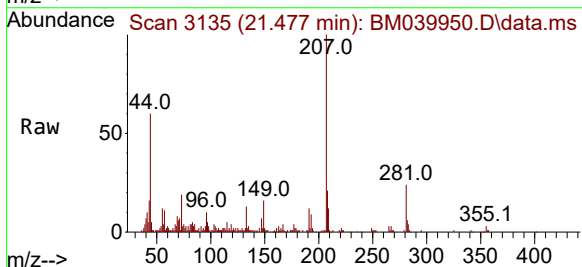
Tgt Ion:252 Resp: 307

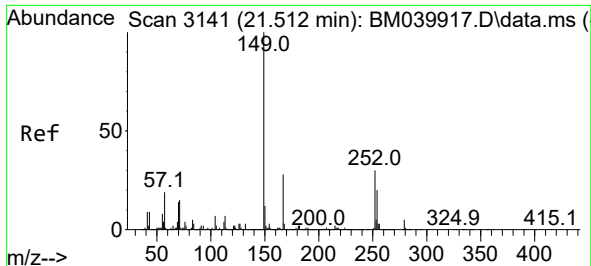
Ion Ratio Lower Upper

252 100

254 0.0 52.3 78.5#

126 177.2 8.3 12.5#

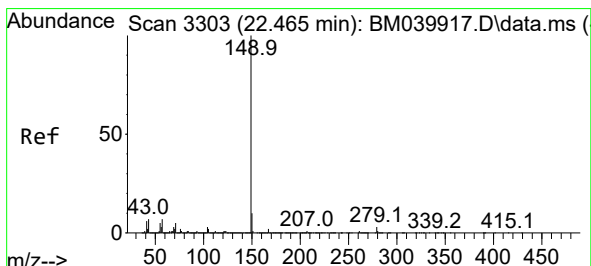
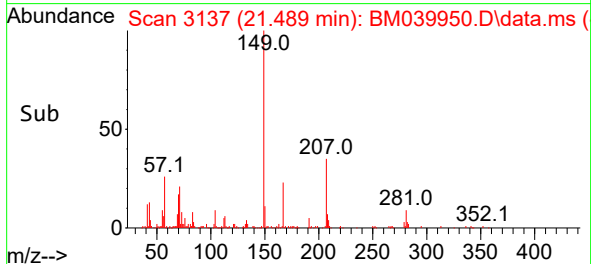
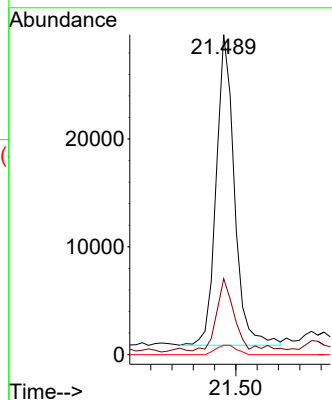
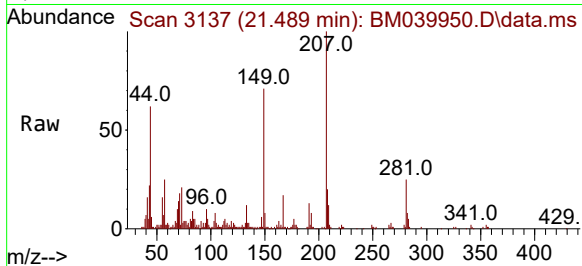




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.210 ng
RT: 21.489 min Scan# 3141
Delta R.T. -0.006 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

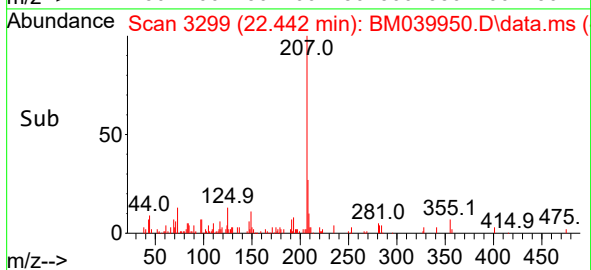
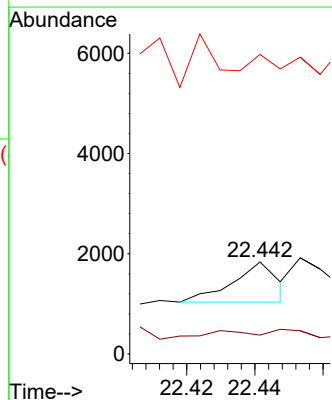
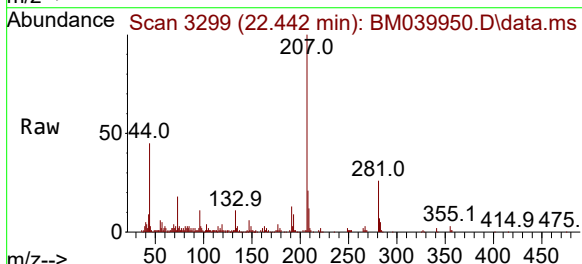
Instrument :
BNA_M
ClientSampleId :
SB-5

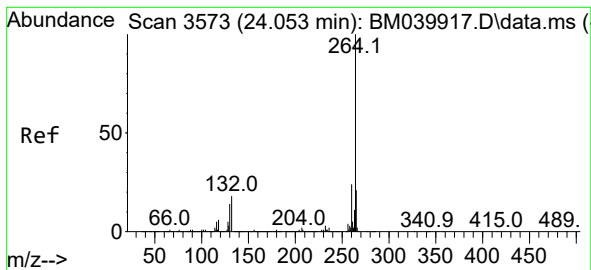
Tgt Ion:149 Resp: 34141
Ion Ratio Lower Upper
149 100
167 23.8 22.3 33.5
279 3.0 3.8 5.6#



#85
Di-n-octyl phthalate
Concen: 7.712 ng
RT: 22.442 min Scan# 3299
Delta R.T. -0.006 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

Tgt Ion:149 Resp: 736
Ion Ratio Lower Upper
149 100
167 20.7 1.2 1.8#
43 0.0 5.9 8.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.030 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM039950.D
Acq: 18 May 2023 15:46

Instrument :
BNA_M
ClientSampleId :
SB-5

Tgt Ion:264 Resp: 1866164

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	22.1	17.2	25.8

