

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
 Data File : BM039982.D
 Acq On : 24 May 2023 13:56
 Operator : CG/JU
 Sample : 02868-21
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP17

Quant Time: May 24 14:35:24 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)

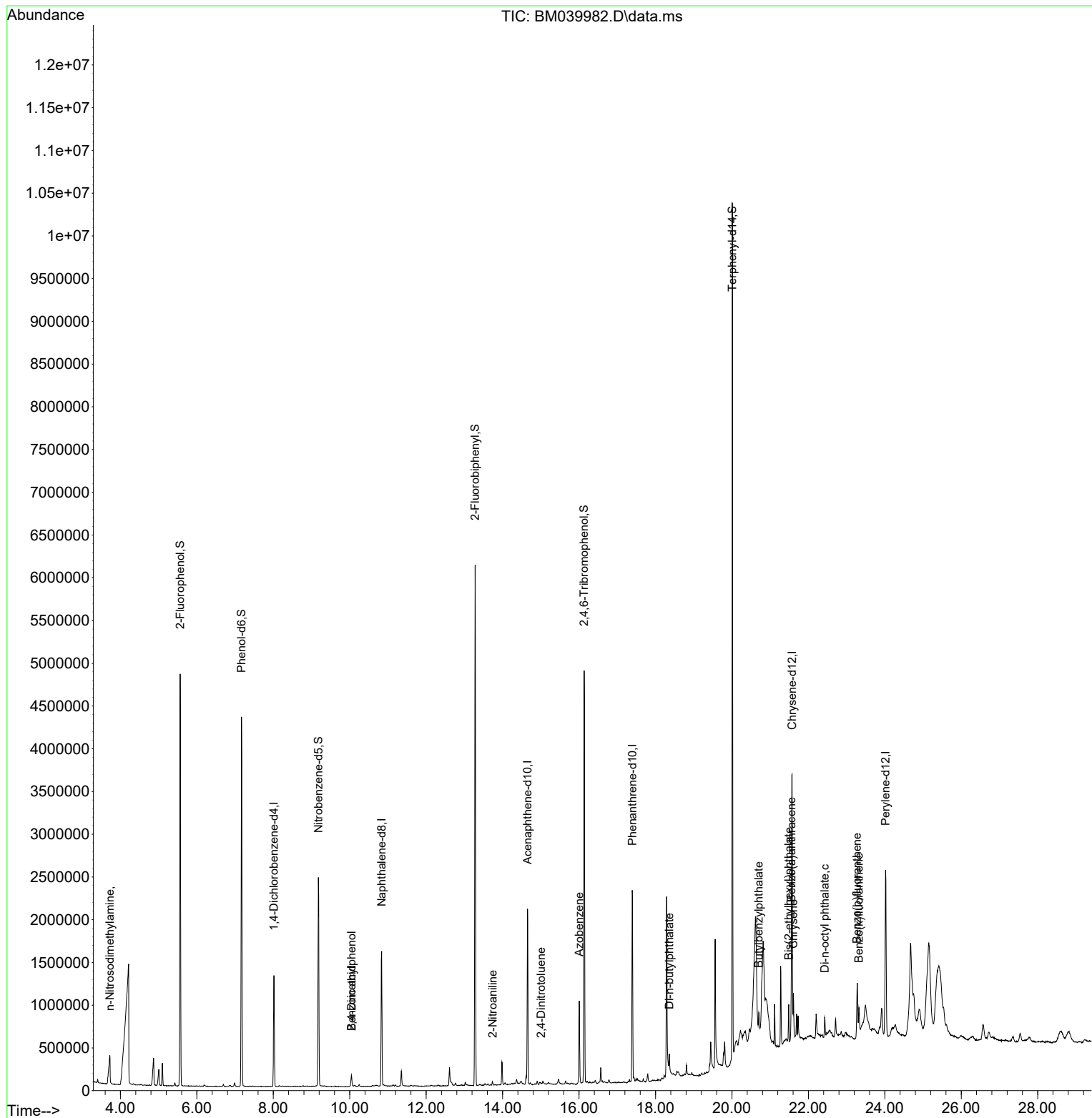
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	354625	20.000	ng	0.00
21) Naphthalene-d8	10.833	136	1345262	20.000	ng	0.00
39) Acenaphthene-d10	14.651	164	690438	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	1340525	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1360478	20.000	ng	0.00
86) Perylene-d12	24.021	264	1407557	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	2166427	93.709	ng	0.00
7) Phenol-d6	7.169	99	2575527	85.402	ng	0.00
23) Nitrobenzene-d5	9.180	82	1358395	54.487	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	913060	101.889	ng	0.00
45) 2-Fluorobiphenyl	13.280	172	3017764	51.553	ng	0.00
79) Terphenyl-d14	20.009	244	4642283	52.982	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.722	42	36706	3.371	ng	# 1
27) 2,4-Dimethylphenol	10.045	122	58197	2.855	ng	# 5
32) Benzoic acid	10.045	122	58197	11.351	ng	92
48) 2-Nitroaniline	13.739	65	1310	2.664	ng	# 51
57) 2,4-Dinitrotoluene	15.004	165	6736	4.181	ng	# 90
63) Azobenzene	16.004	77	254133	4.955	ng	# 1
74) Di-n-butylphthalate	18.362	149	154422	5.216	ng	99
80) Butylbenzylphthalate	20.703	149	51213	5.954	ng	93
81) Benzo(a)anthracene	21.556	228	235986	2.450	ng	99
83) Chrysene	21.609	228	271835	2.942	ng	99
84) Bis(2-ethylhexyl)phtha...	21.486	149	191161	6.305	ng	99
85) Di-n-octyl phthalate	22.427	149	178641	8.146	ng	99
88) Benzo(b)fluoranthene	23.274	252	211888	2.351	ng	# 95
89) Benzo(k)fluoranthene	23.321	252	213451	2.166	ng	# 95

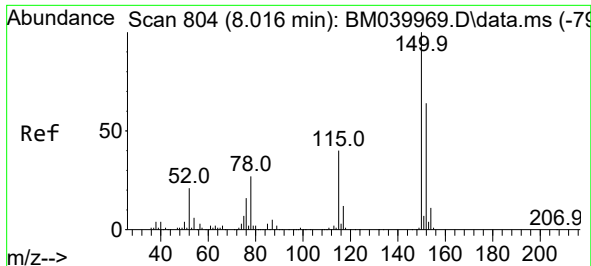
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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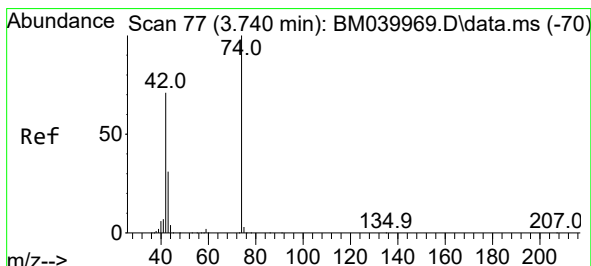
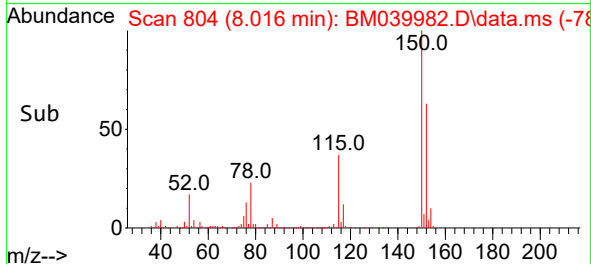
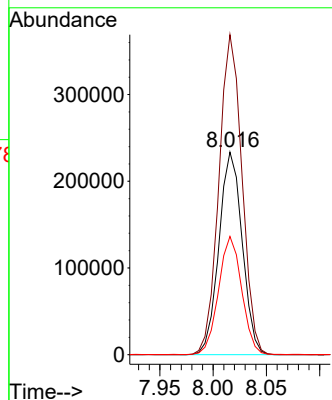
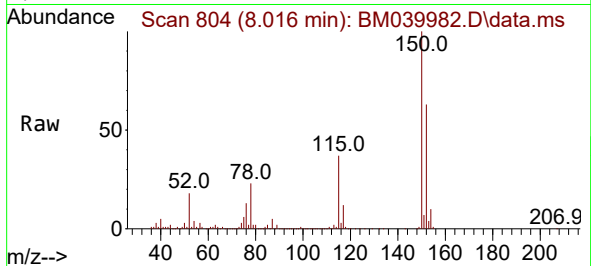




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.016 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

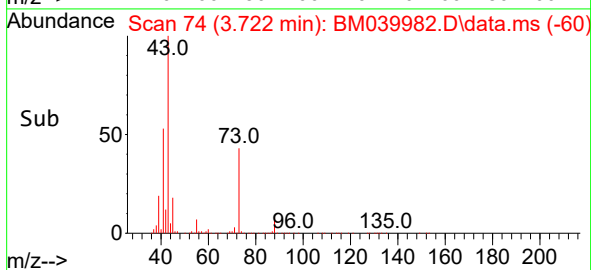
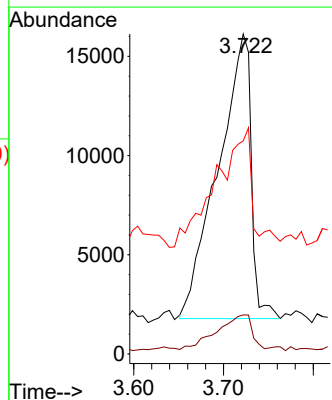
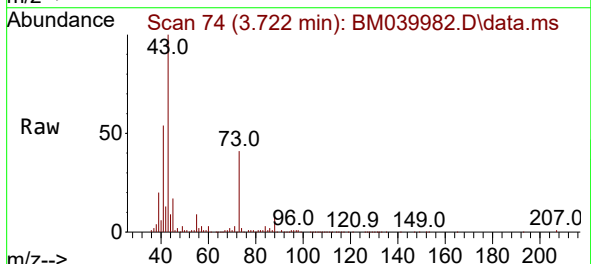
Instrument :
BNA_M
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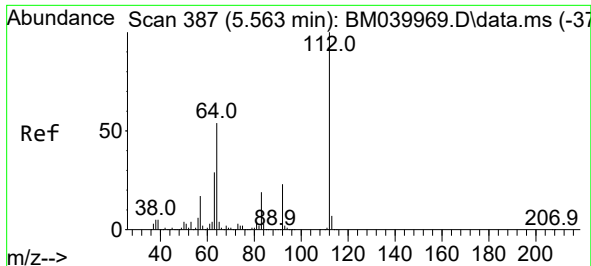
Tgt Ion:152 Resp: 354625
Ion Ratio Lower Upper
152 100
150 158.0 125.5 188.3
115 58.4 50.2 75.2



#4
n-Nitrosodimethylamine
Concen: 3.371 ng
RT: 3.722 min Scan# 74
Delta R.T. -0.018 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

Tgt Ion: 42 Resp: 36706
Ion Ratio Lower Upper
42 100
74 12.2 113.4 170.0#
44 66.6 5.4 8.2#

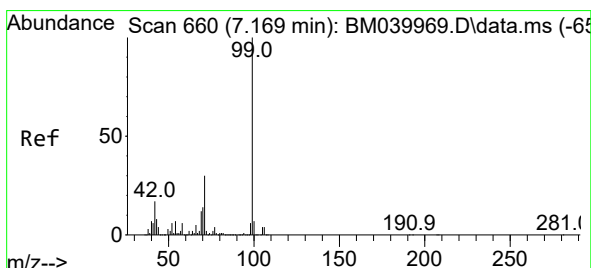
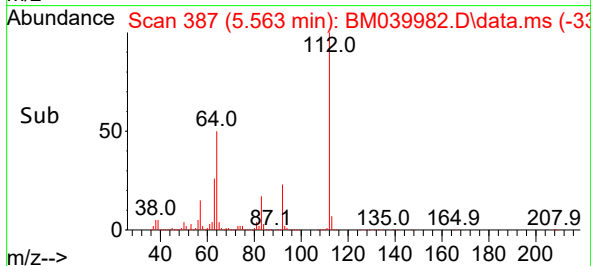
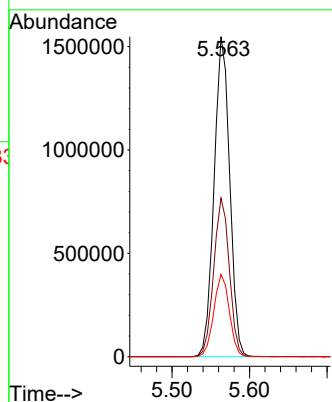
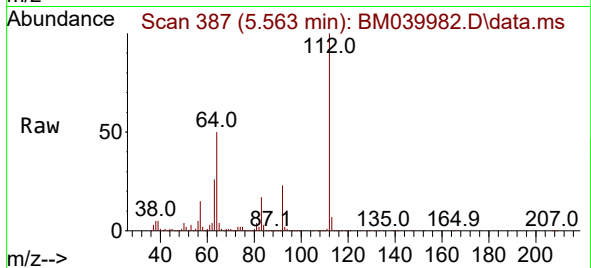




#5
2-Fluorophenol
Concen: 93.709 ng
RT: 5.563 min Scan# 387
Delta R.T. -0.000 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

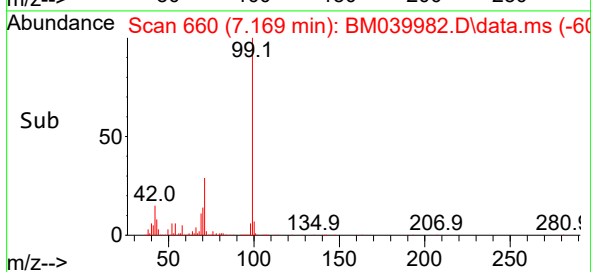
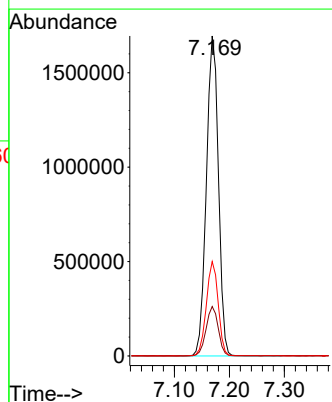
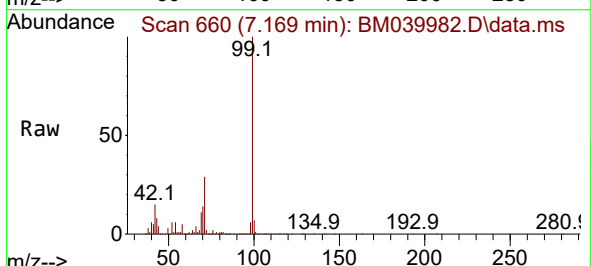
Instrument :
BNA_M
ClientSampleId :
TP17

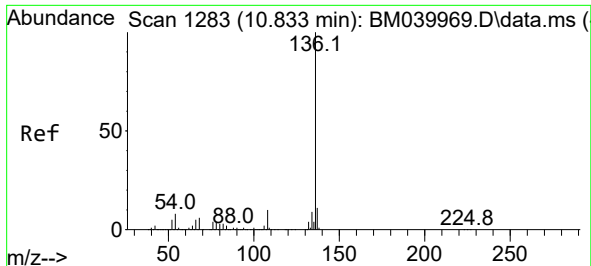
Tgt Ion:112 Resp: 2166427
Ion Ratio Lower Upper
112 100
64 49.6 43.0 64.4
63 25.7 22.9 34.3



#7
Phenol-d6
Concen: 85.402 ng
RT: 7.169 min Scan# 660
Delta R.T. -0.000 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

Tgt Ion: 99 Resp: 2575527
Ion Ratio Lower Upper
99 100
42 15.5 13.8 20.6
71 29.5 24.4 36.6

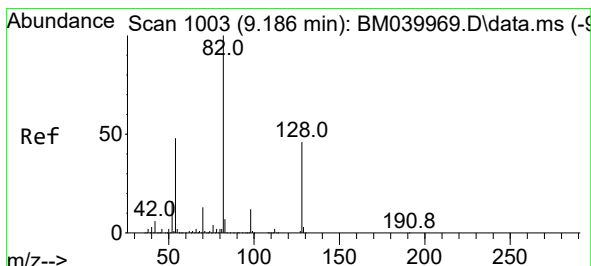
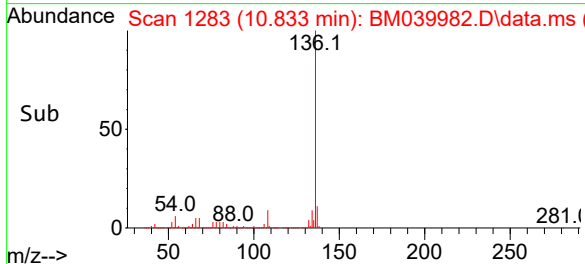
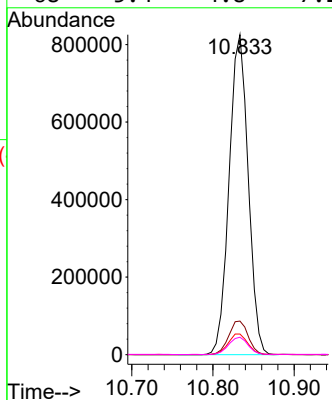
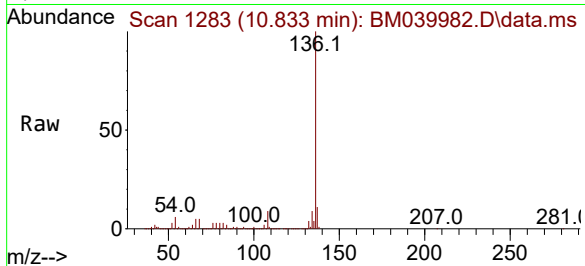




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

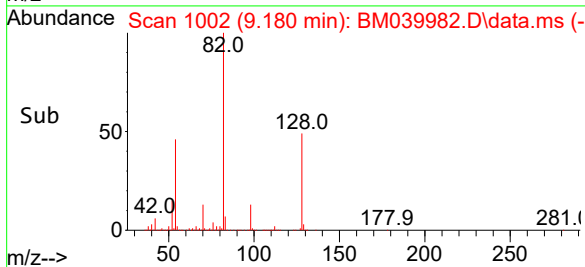
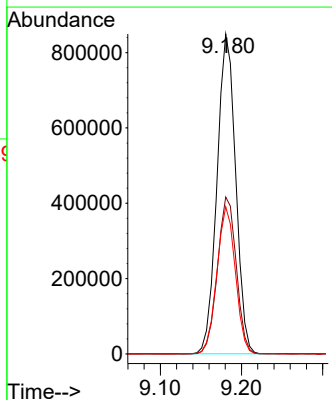
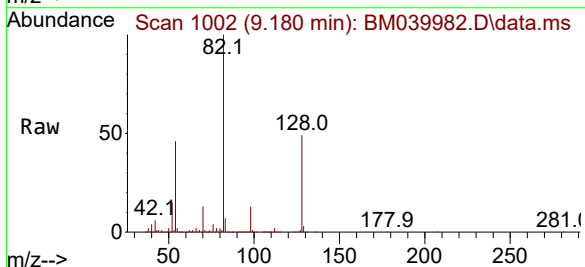
Instrument :
BNA_M
ClientSampleId :
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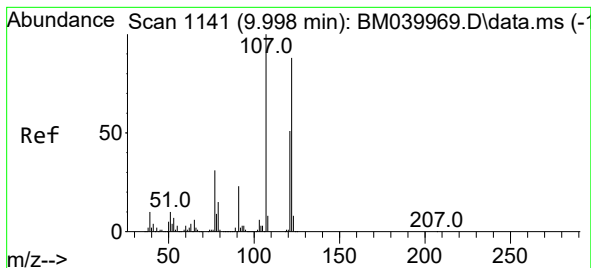
Tgt Ion:136 Resp: 1345262
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 6.5 6.1 9.1
68 5.4 4.8 7.2



#23
Nitrobenzene-d5
Concen: 54.487 ng
RT: 9.180 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

Tgt Ion: 82 Resp: 1358395
Ion Ratio Lower Upper
82 100
128 49.1 36.5 54.7
54 46.0 38.3 57.5

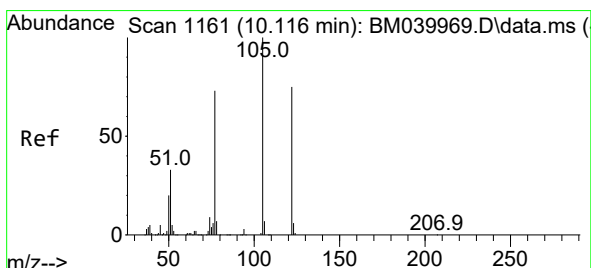
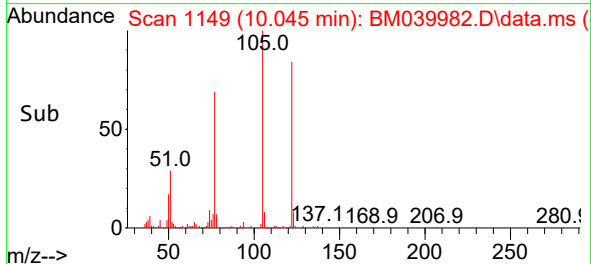
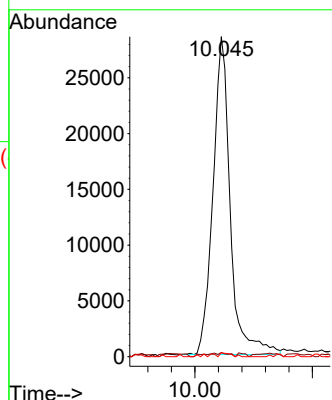
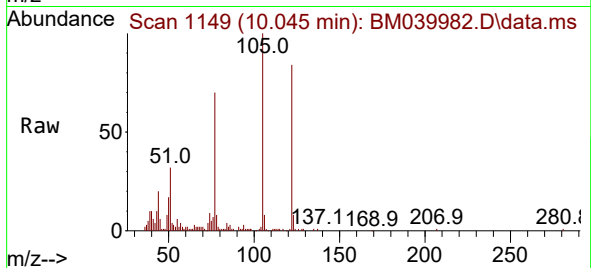




#27
2,4-Dimethylphenol
Concen: 2.855 ng
RT: 10.045 min Scan# 1149
Delta R.T. 0.047 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

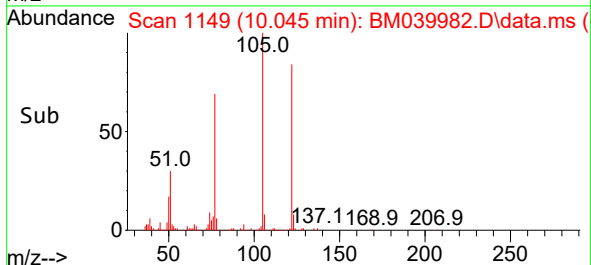
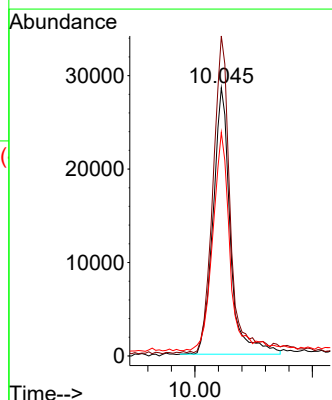
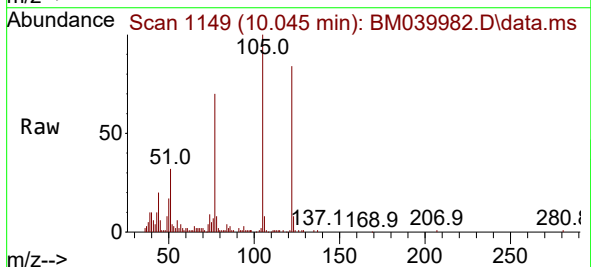
Instrument :
BNA_M
ClientSampleId :
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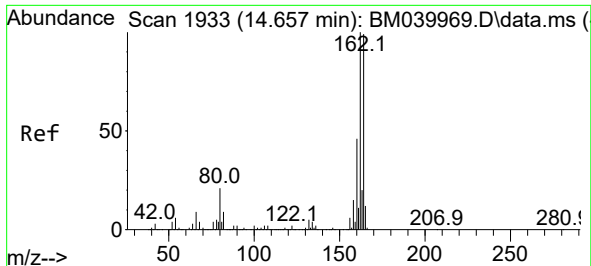
Tgt Ion:122 Resp: 58197
Ion Ratio Lower Upper
122 100
107 1.3 91.0 136.4#
121 1.2 45.9 68.9#



#32
Benzoic acid
Concen: 11.351 ng
RT: 10.045 min Scan# 1149
Delta R.T. -0.071 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

Tgt Ion:122 Resp: 58197
Ion Ratio Lower Upper
122 100
105 119.4 106.0 146.0
77 83.4 74.7 114.7

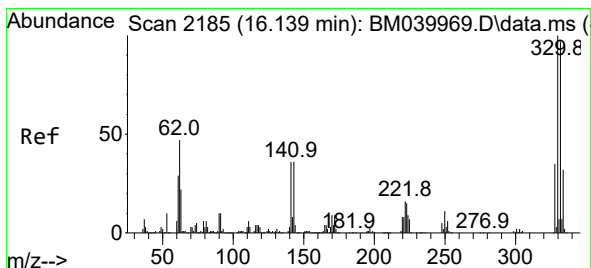
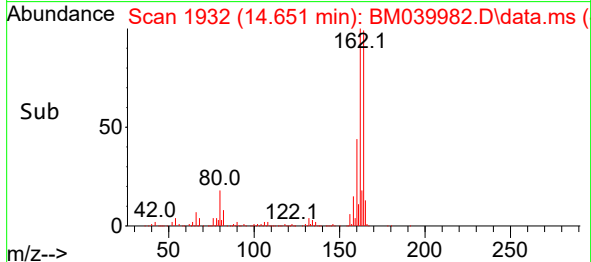
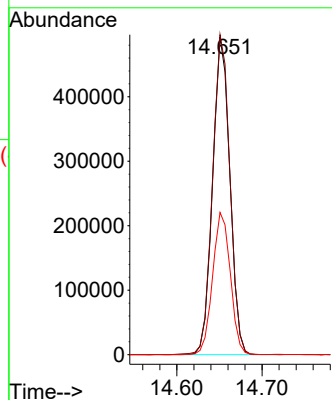
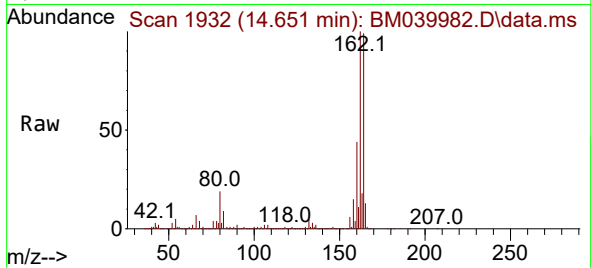




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.651 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

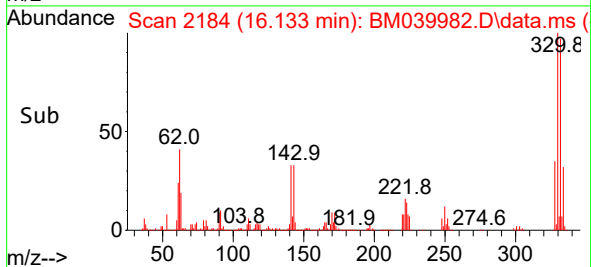
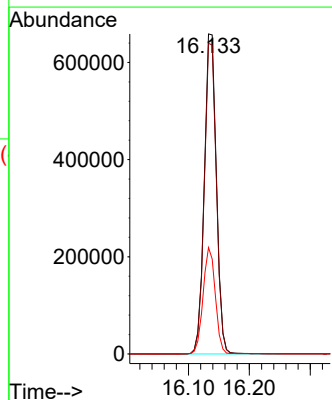
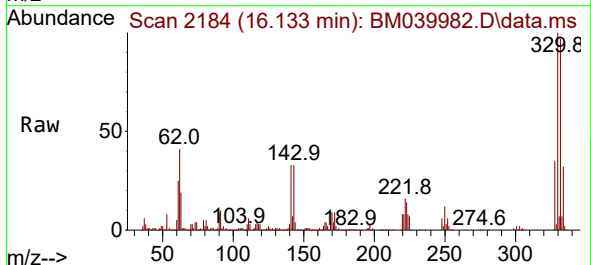
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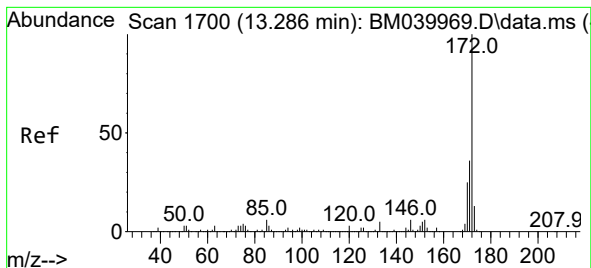
Tgt Ion:164 Resp: 690438
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 44.8 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 101.889 ng
RT: 16.133 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

Tgt Ion:330 Resp: 913060
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.2
141 33.6 31.6 47.4





#45

2-Fluorobiphenyl

Concen: 51.553 ng

RT: 13.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

Instrument :

BNA_M

ClientSampleId :

TP17

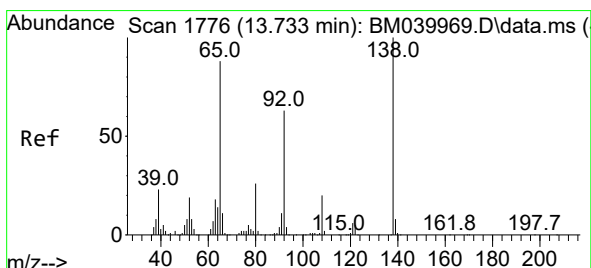
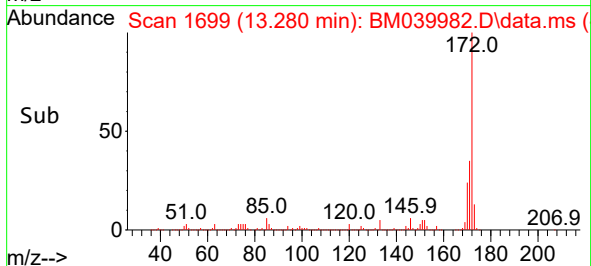
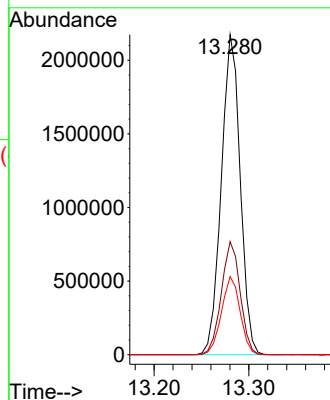
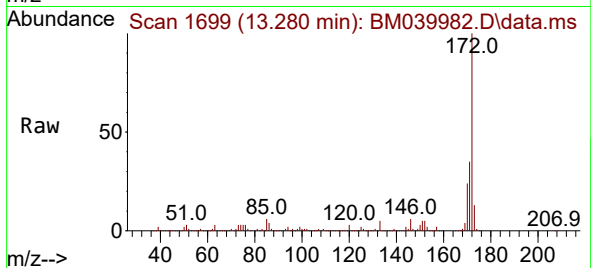
Tgt Ion:172 Resp: 3017764

Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 24.4 19.6 29.4



#48

2-Nitroaniline

Concen: 2.664 ng

RT: 13.739 min Scan# 1777

Delta R.T. 0.006 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

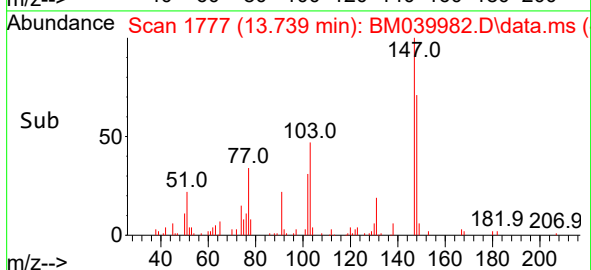
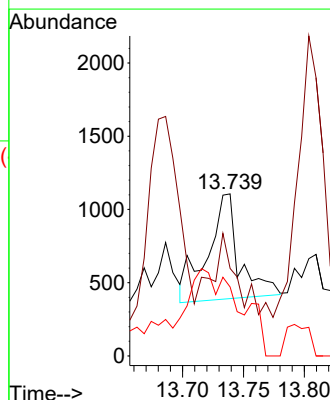
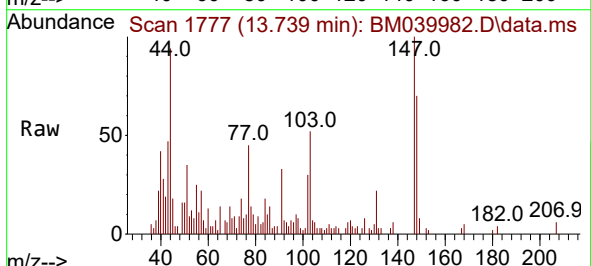
Tgt Ion: 65 Resp: 1310

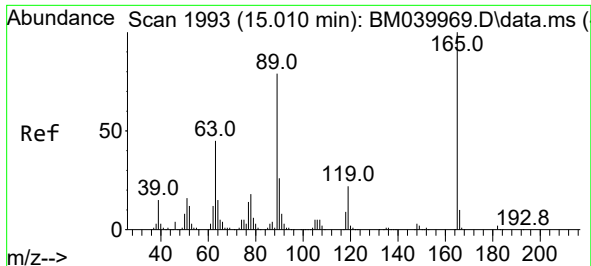
Ion Ratio Lower Upper

65 100

92 53.9 57.0 85.6#

138 42.5 91.1 136.7#

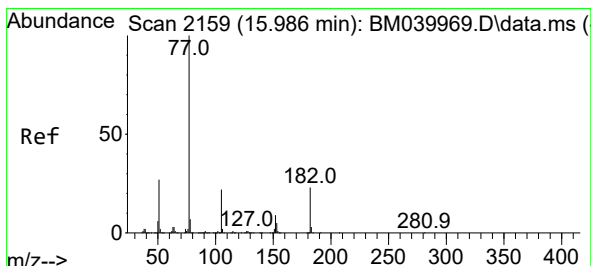
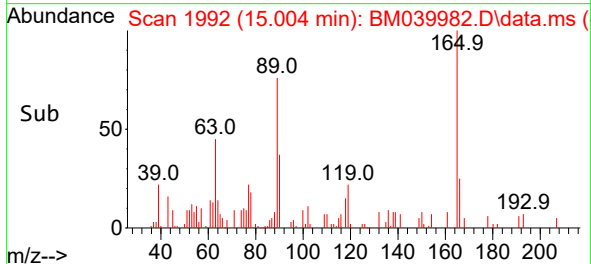
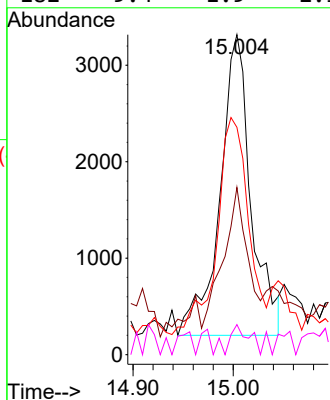
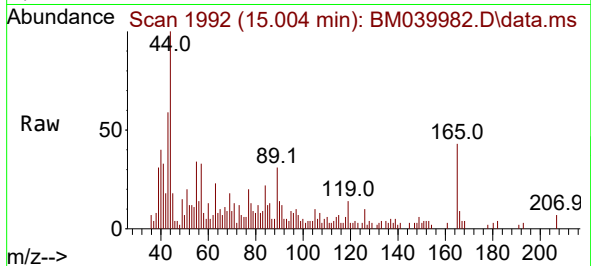




#57
2,4-Dinitrotoluene
Concen: 4.181 ng
RT: 15.004 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

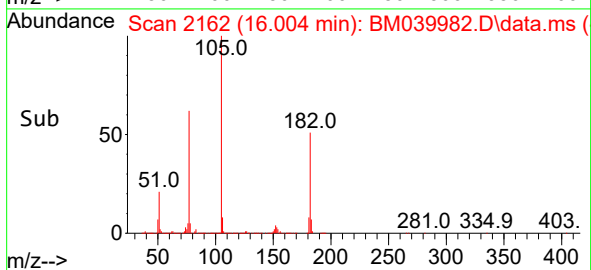
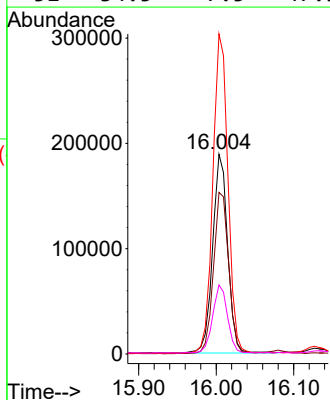
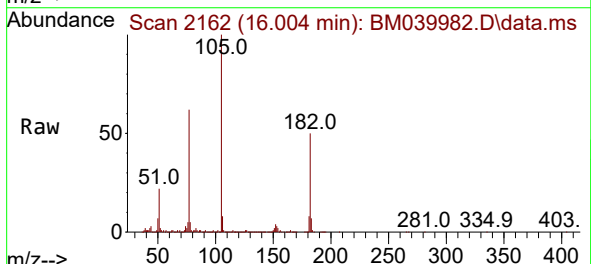
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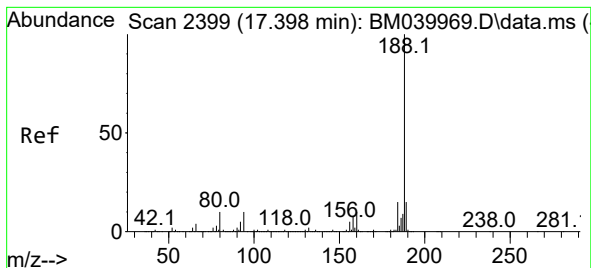
Tgt Ion:165 Resp: 6736
Ion Ratio Lower Upper
165 100
63 52.2 36.2 54.2
89 71.0 63.4 95.0
182 9.4 1.9 2.9#



#63
Azobenzene
Concen: 4.955 ng
RT: 16.004 min Scan# 2162
Delta R.T. 0.018 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

Tgt Ion: 77 Resp: 254133
Ion Ratio Lower Upper
77 100
182 80.9 2.9 42.9#
105 160.3 1.5 41.5#
51 34.5 7.5 47.5

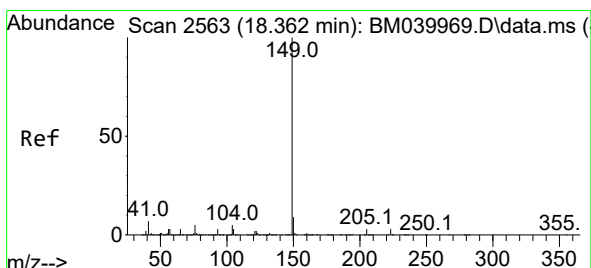
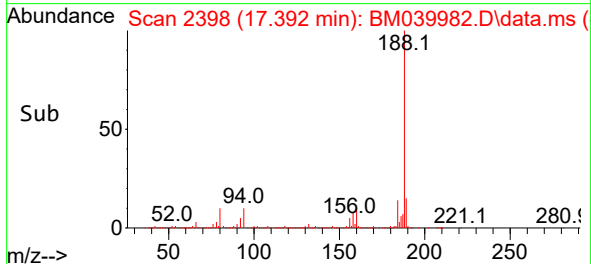
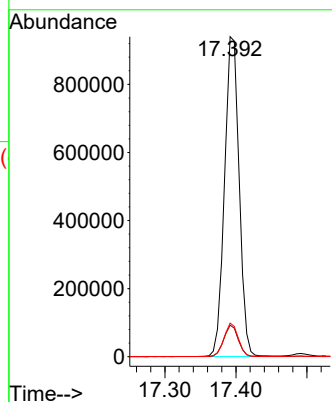
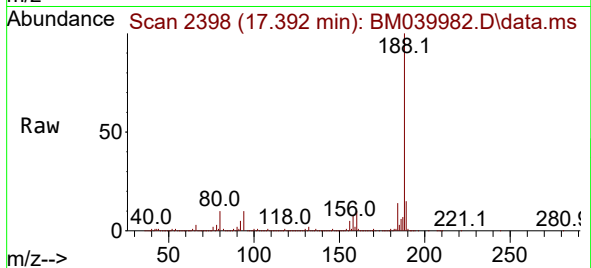




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

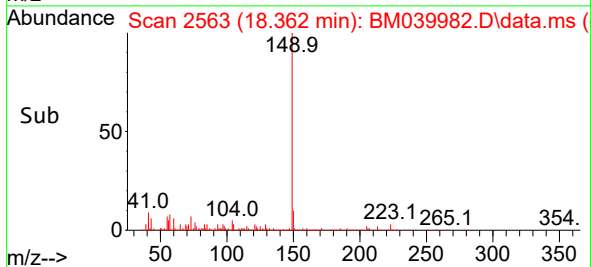
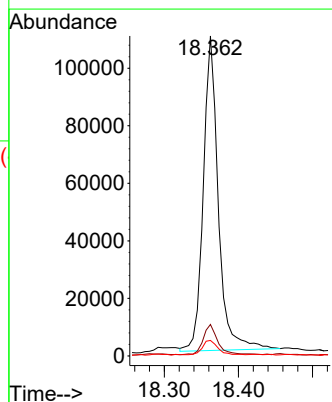
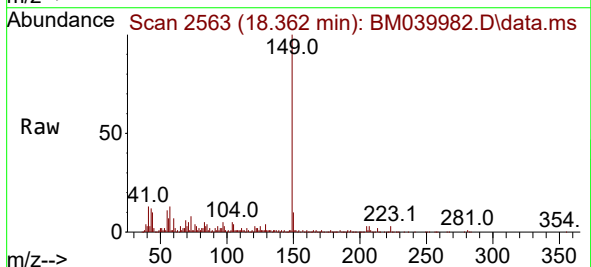
Instrument :
BNA_M
ClientSampleId :
TP17

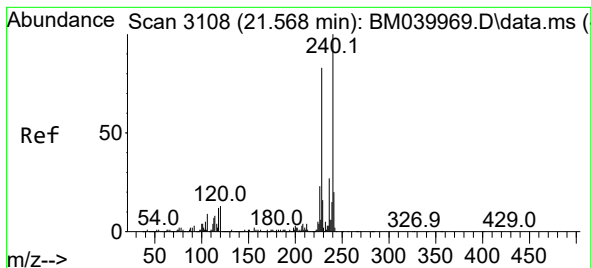
Tgt Ion:188 Resp: 1340525
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.8
80 10.5 8.2 12.4



#74
Di-n-butylphthalate
Concen: 5.216 ng
RT: 18.362 min Scan# 2563
Delta R.T. 0.000 min
Lab File: BM039982.D
Acq: 24 May 2023 13:56

Tgt Ion:149 Resp: 154422
Ion Ratio Lower Upper
149 100
150 9.9 7.4 11.2
104 4.9 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: BM039982.D

Acq: 24 May 2023 13:56

Instrument :

BNA_M

ClientSampleId :

TP17

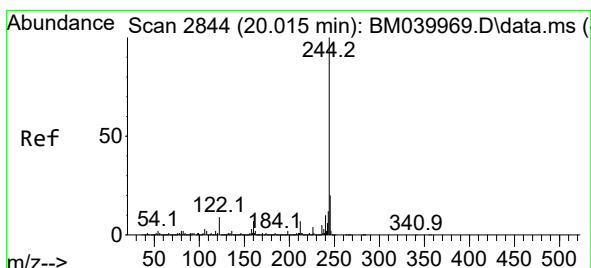
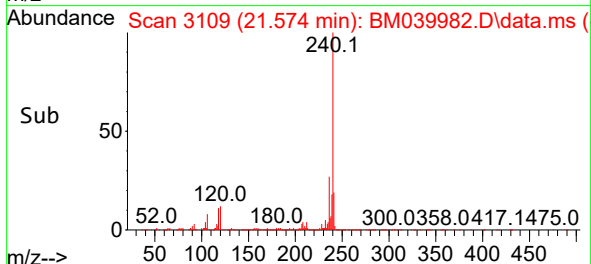
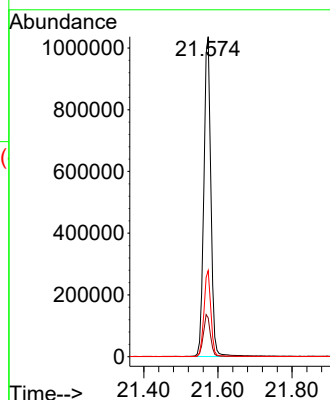
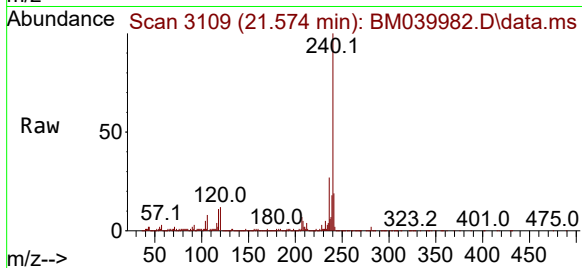
Tgt Ion:240 Resp: 1360478

Ion Ratio Lower Upper

240 100

120 12.2 10.1 15.1

236 26.9 21.3 31.9



#79

Terphenyl-d14

Concen: 52.982 ng

RT: 20.009 min Scan# 2843

Delta R.T. -0.006 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

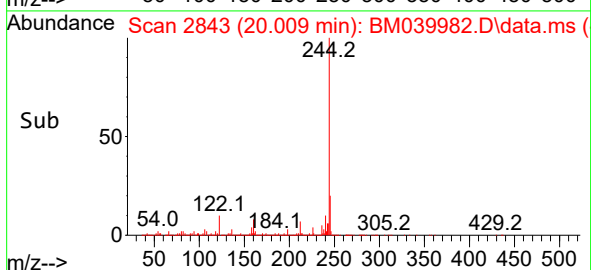
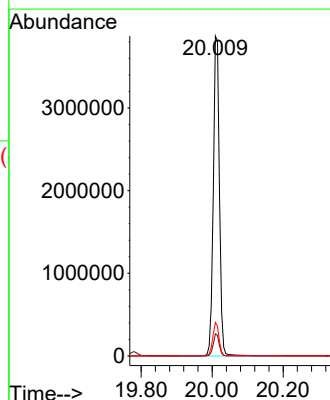
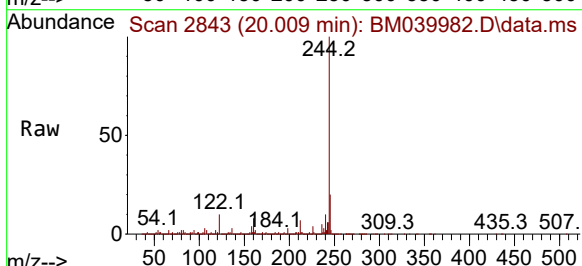
Tgt Ion:244 Resp: 4642283

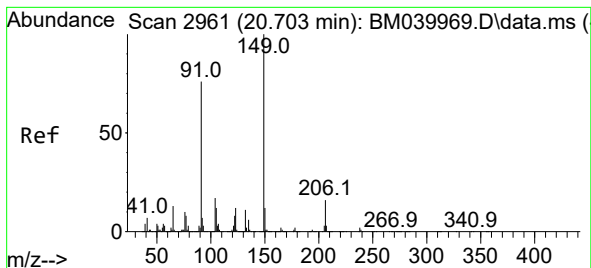
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 10.4 7.1 10.7





#80

Butylbenzylphthalate

Concen: 5.954 ng

RT: 20.703 min Scan# 2961

Delta R.T. 0.000 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

Instrument :

BNA_M

ClientSampleId :

TP17

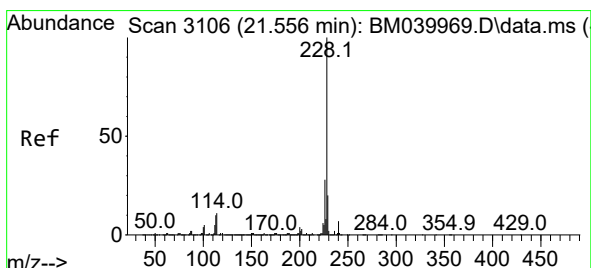
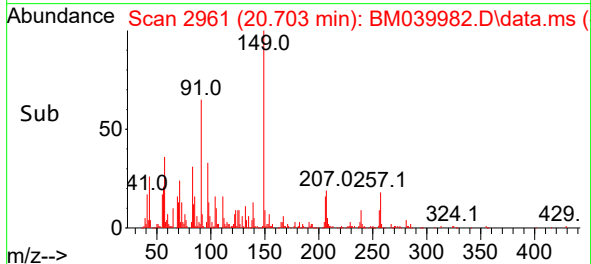
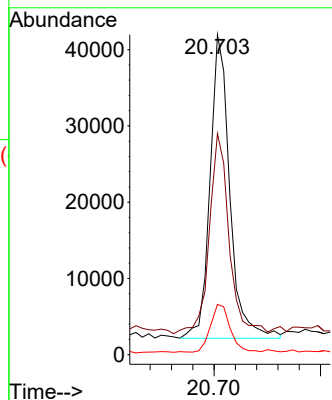
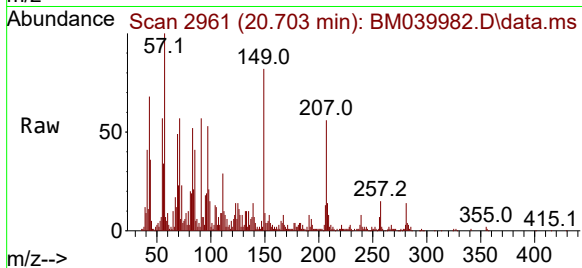
Tgt Ion:149 Resp: 51213

Ion Ratio Lower Upper

149 100

91 69.1 61.0 91.4

206 15.7 12.7 19.1



#81

Benzo(a)anthracene

Concen: 2.450 ng

RT: 21.556 min Scan# 3106

Delta R.T. 0.000 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

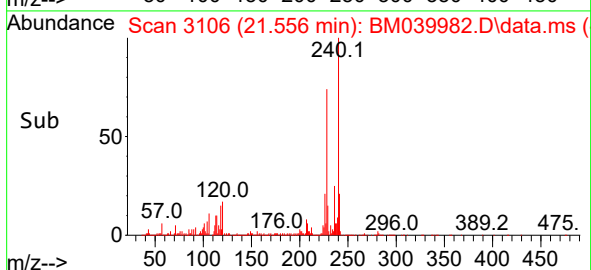
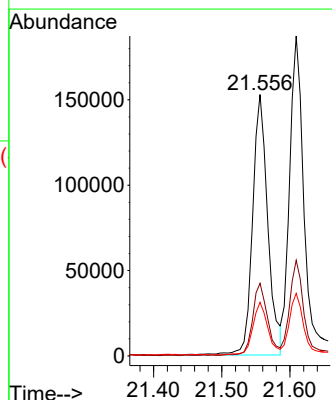
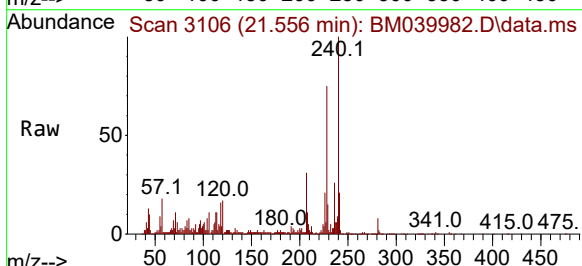
Tgt Ion:228 Resp: 235986

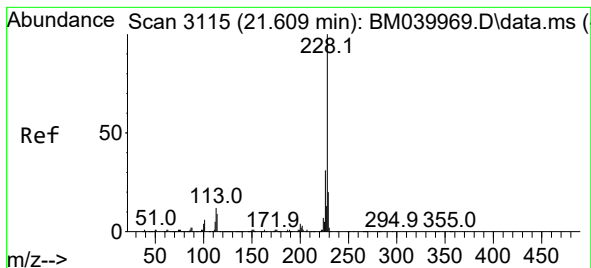
Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.4

229 20.5 15.8 23.6





#83

Chrysene

Concen: 2.942 ng

RT: 21.609 min Scan# 3115

Delta R.T. -0.000 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

Instrument :

BNA_M

ClientSampleId :

TP17

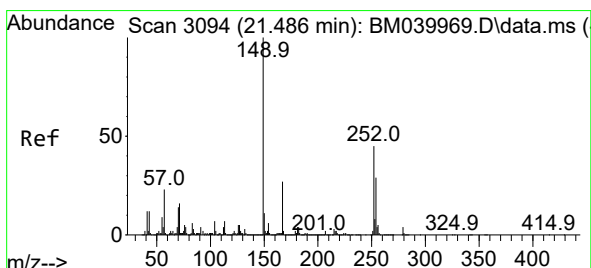
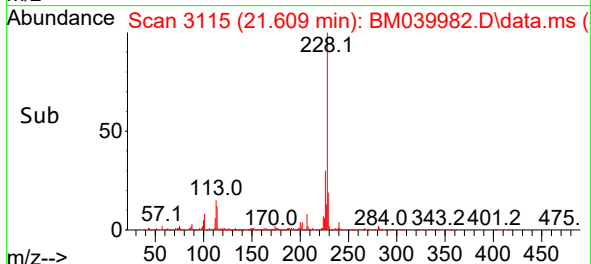
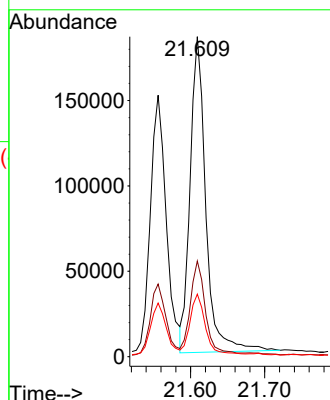
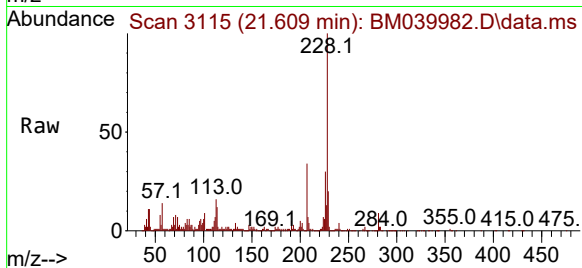
Tgt Ion:228 Resp: 271835

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

229 19.6 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.305 ng

RT: 21.486 min Scan# 3094

Delta R.T. -0.000 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

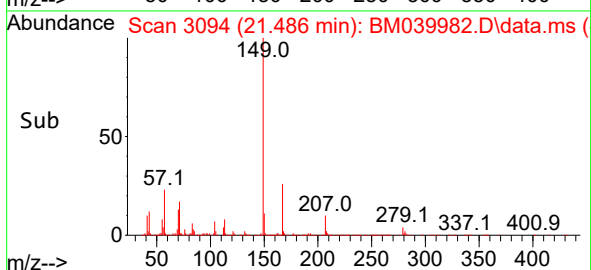
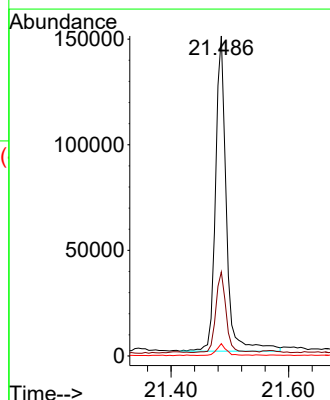
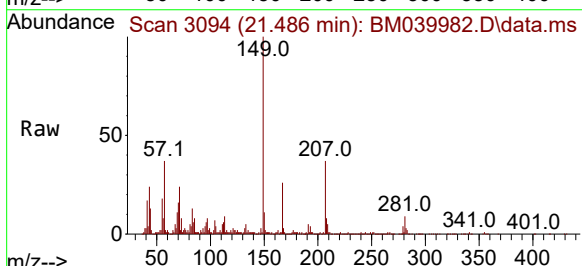
Tgt Ion:149 Resp: 191161

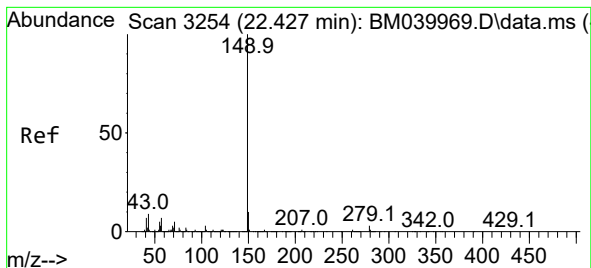
Ion Ratio Lower Upper

149 100

167 26.2 21.4 32.2

279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 8.146 ng

RT: 22.427 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

Instrument :

BNA_M

ClientSampleId :

TP17

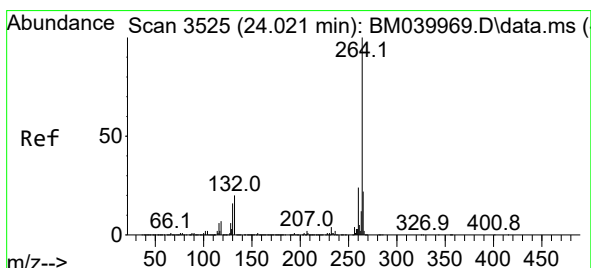
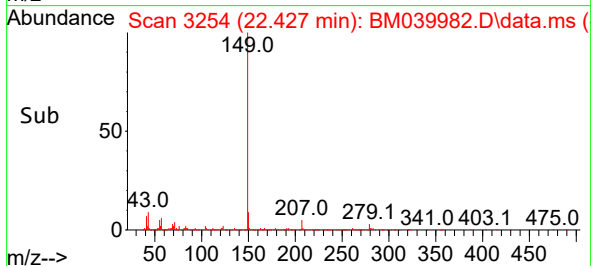
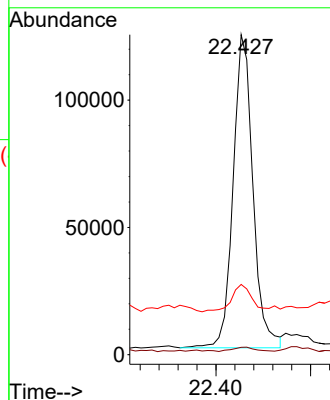
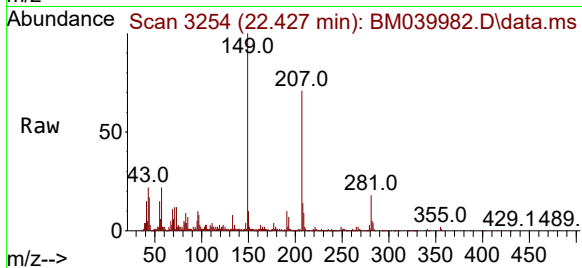
Tgt Ion:149 Resp: 178641

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 9.0 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.021 min Scan# 3525

Delta R.T. -0.000 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

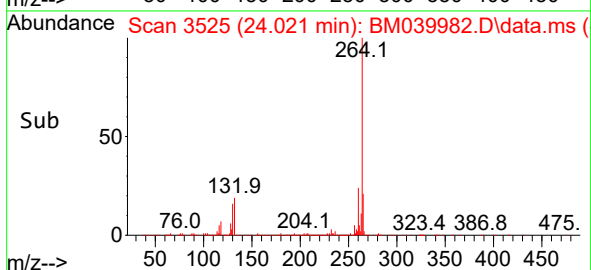
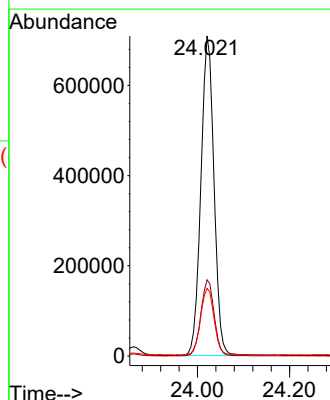
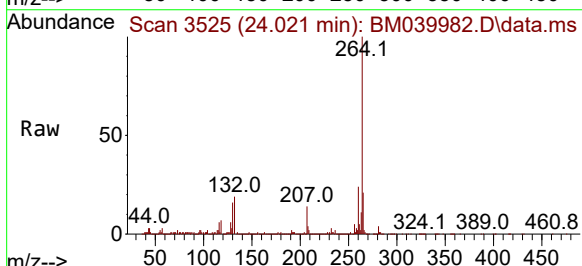
Tgt Ion:264 Resp: 1407557

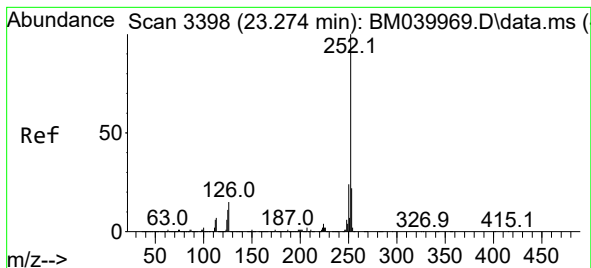
Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.1 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 2.351 ng

RT: 23.274 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

Instrument :

BNA_M

ClientSampleId :

TP17

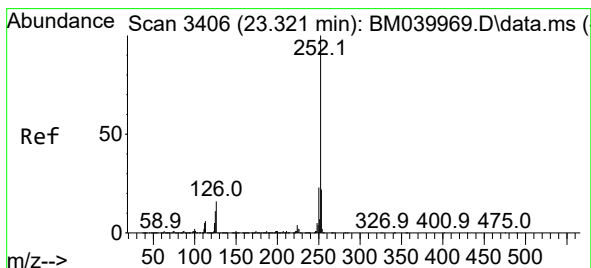
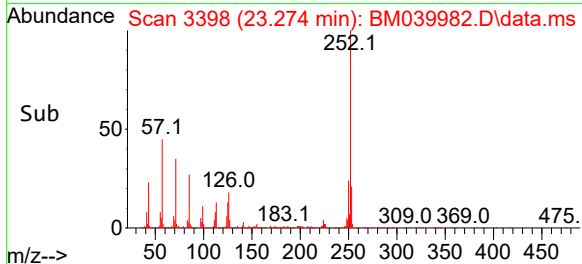
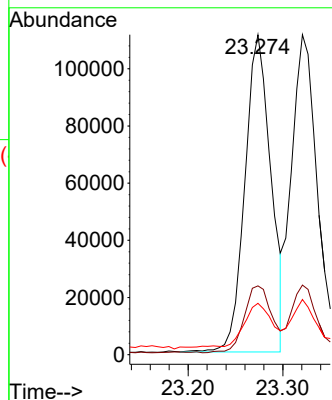
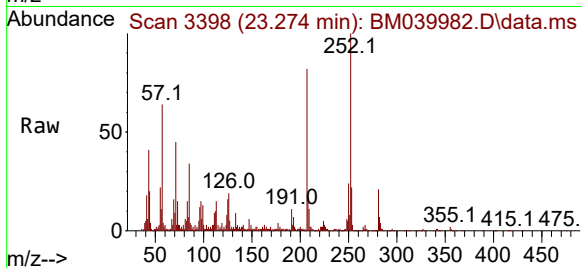
Tgt Ion:252 Resp: 211888

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 16.1 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 2.166 ng

RT: 23.321 min Scan# 3406

Delta R.T. -0.000 min

Lab File: BM039982.D

Acq: 24 May 2023 13:56

Tgt Ion:252 Resp: 213451

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 17.3 9.0 13.4#

