

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
 Data File : BM039993.D
 Acq On : 24 May 2023 20:39
 Operator : CG/JU
 Sample : 02894-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-50A

Quant Time: May 25 04:30:33 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)

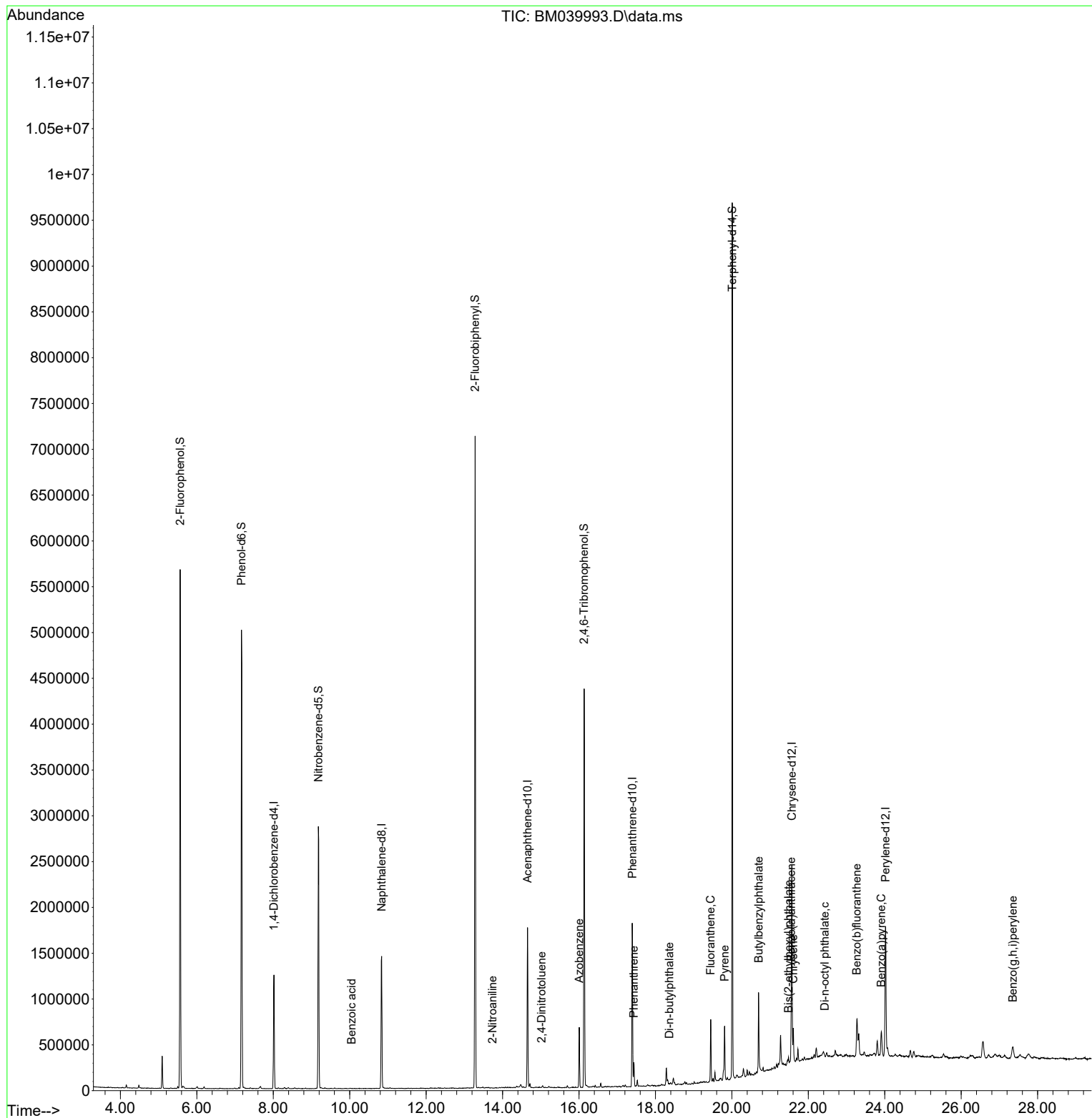
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	328303	20.000	ng	0.00
21) Naphthalene-d8	10.834	136	1220374	20.000	ng	0.00
39) Acenaphthene-d10	14.651	164	556182	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	966062	20.000	ng	0.00
76) Chrysene-d12	21.568	240	824621	20.000	ng	0.00
86) Perylene-d12	24.021	264	986647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	2434368	113.741	ng	0.00
7) Phenol-d6	7.169	99	2908704	104.183	ng	0.00
23) Nitrobenzene-d5	9.181	82	1570113	69.424	ng	0.00
42) 2,4,6-Tribromophenol	16.134	330	728225	100.879	ng	0.00
45) 2-Fluorobiphenyl	13.281	172	3260074	69.136	ng	0.00
79) Terphenyl-d14	20.010	244	3865555	72.785	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.046	122	126	7.811	ng	# 27
48) 2-Nitroaniline	13.734	65	338	2.593	ng	# 24
57) 2,4-Dinitrotoluene	15.022	165	429	3.782	ng	# 70
63) Azobenzene	16.004	77	175455	4.246	ng	# 1
71) Phenanthrene	17.433	178	148702	2.573	ng	# 99
74) Di-n-butylphthalate	18.363	149	5310	3.736	ng	# 91
75) Fluoranthene	19.445	202	347967	6.042	ng	# 98
78) Pyrene	19.810	202	340238	5.623	ng	# 100
80) Butylbenzylphthalate	20.704	149	3122	4.945	ng	# 13
81) Benzo(a)anthracene	21.551	228	183353	3.141	ng	# 97
83) Chrysene	21.604	228	178943	3.195	ng	# 98
84) Bis(2-ethylhexyl)phtha...	21.480	149	22041	4.116	ng	# 98
85) Di-n-octyl phthalate	22.427	149	9888	6.753	ng	# 93
88) Benzo(b)fluoranthene	23.268	252	270546	4.283	ng	# 96
90) Benzo(a)pyrene	23.909	252	185263	3.058	ng	# 94
92) Benzo(g,h,i)perylene	27.350	276	144300	2.410	ng	# 95

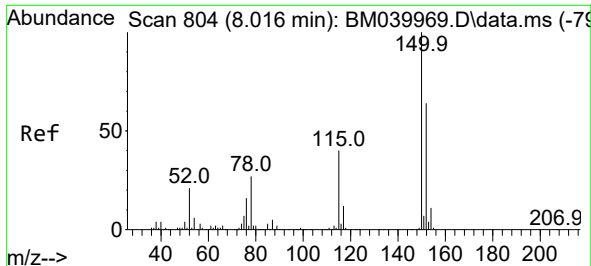
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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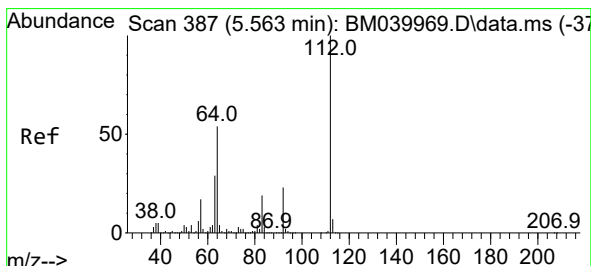
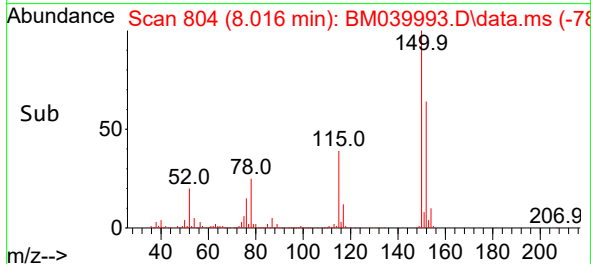
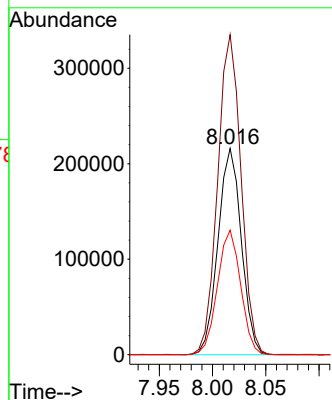
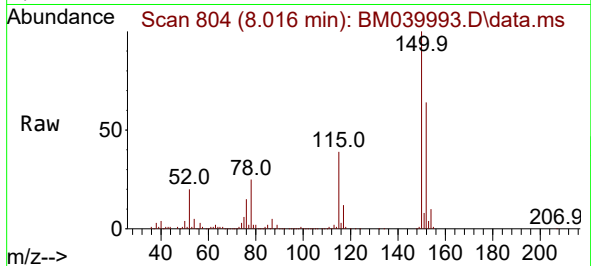




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.016 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

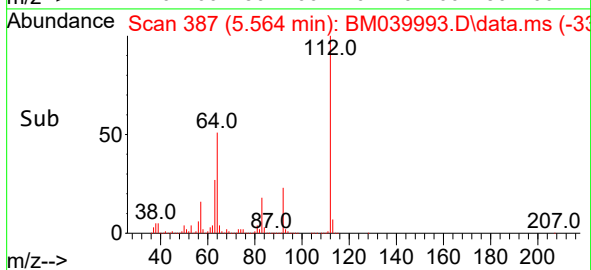
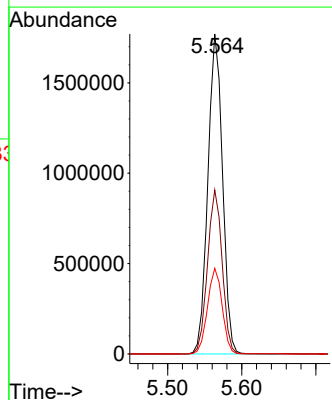
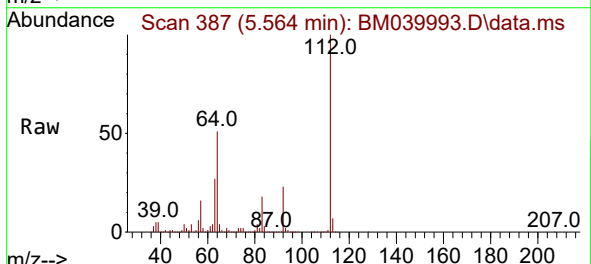
Instrument :
BNA_M
ClientSampleId :
TP-50A

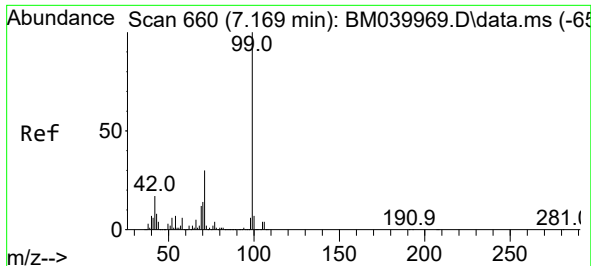
Tgt Ion:152 Resp: 328303
Ion Ratio Lower Upper
152 100
150 155.2 125.5 188.3
115 60.4 50.2 75.2



#5
2-Fluorophenol
Concen: 113.741 ng
RT: 5.564 min Scan# 387
Delta R.T. 0.000 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Tgt Ion:112 Resp: 2434368
Ion Ratio Lower Upper
112 100
64 51.3 43.0 64.4
63 26.8 22.9 34.3



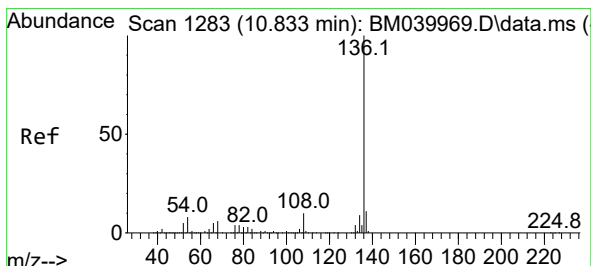
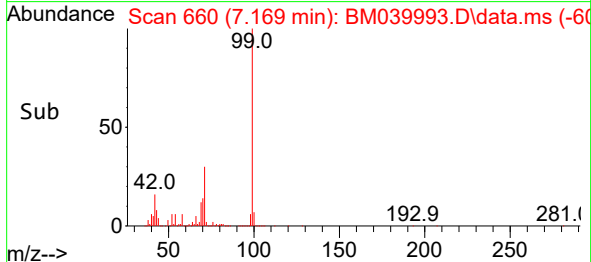
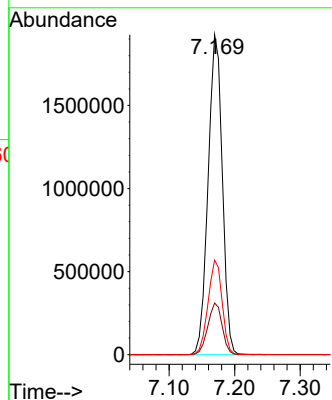
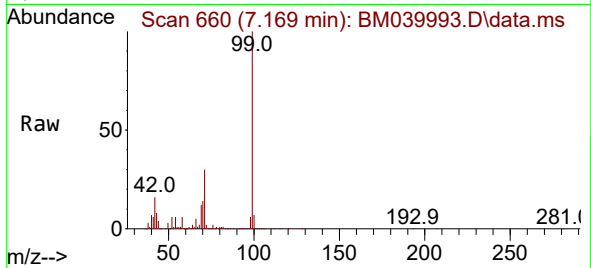


#7
Phenol-d6
Concen: 104.183 ng
RT: 7.169 min Scan# 660
Delta R.T. 0.000 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Instrument :
BNA_M
ClientSampleId :
TP-50A

Tgt Ion: 99 Resp: 2908704

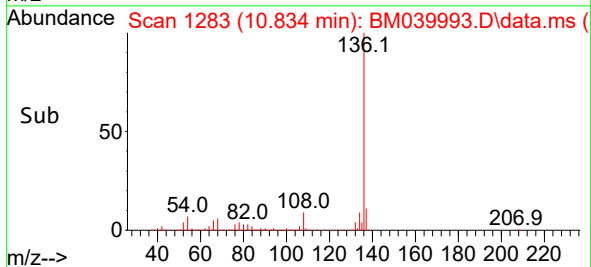
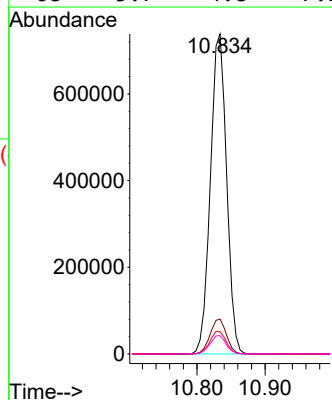
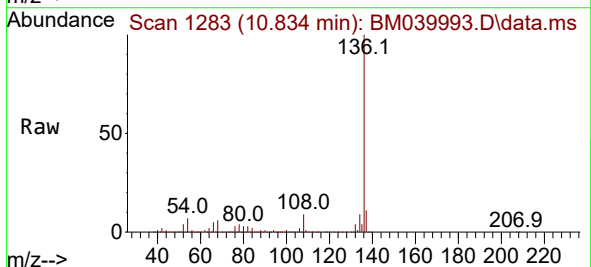
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.8	20.6
71	29.5	24.4	36.6

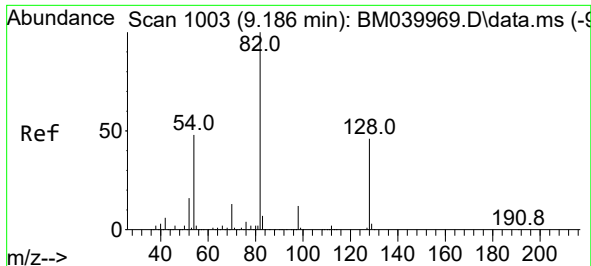


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.834 min Scan# 1283
Delta R.T. 0.001 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Tgt Ion: 136 Resp: 1220374

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.9	6.1	9.1
68	5.7	4.8	7.2





#23

Nitrobenzene-d5

Concen: 69.424 ng

RT: 9.181 min Scan# 1149

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Instrument :

BNA_M

ClientSampleId :

TP-50A

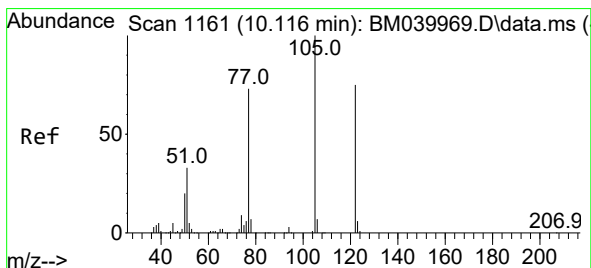
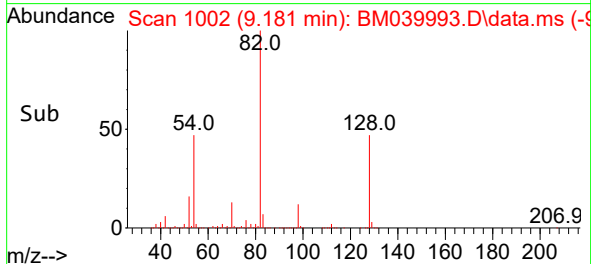
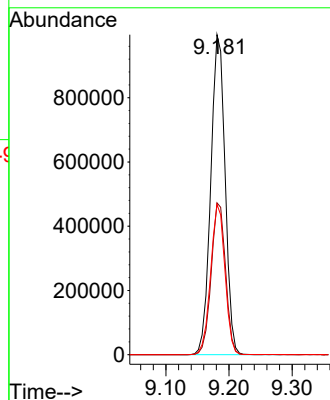
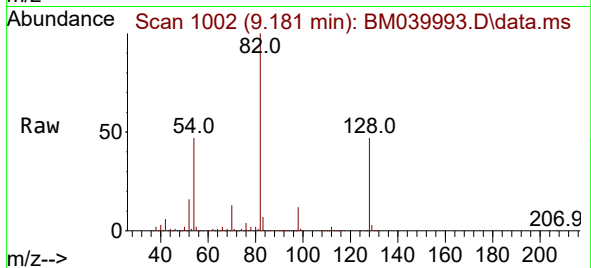
Tgt Ion: 82 Resp: 1570113

Ion Ratio Lower Upper

82 100

128 47.5 36.5 54.7

54 46.9 38.3 57.5



#32

Benzoic acid

Concen: 7.811 ng

RT: 10.046 min Scan# 1149

Delta R.T. -0.070 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

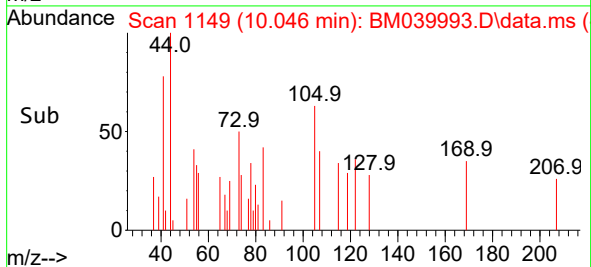
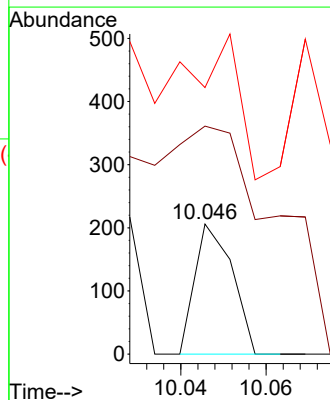
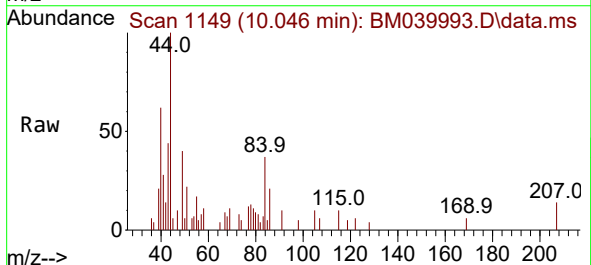
Tgt Ion:122 Resp: 126

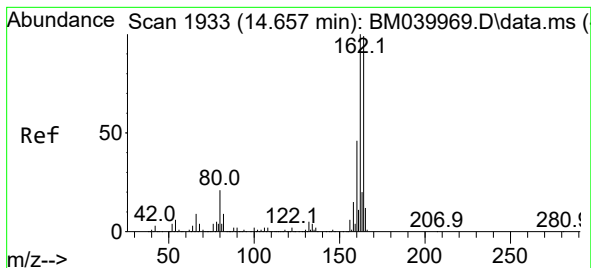
Ion Ratio Lower Upper

122 100

105 175.2 106.0 146.0#

77 204.9 74.7 114.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.651 min Scan# 1933

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Instrument :

BNA_M

ClientSampleId :

TP-50A

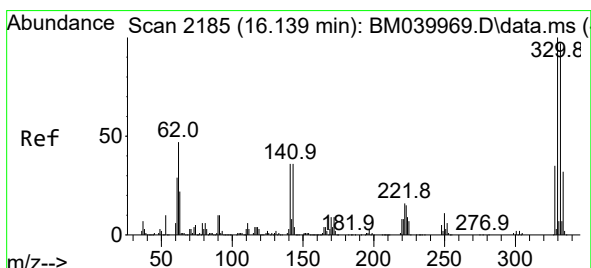
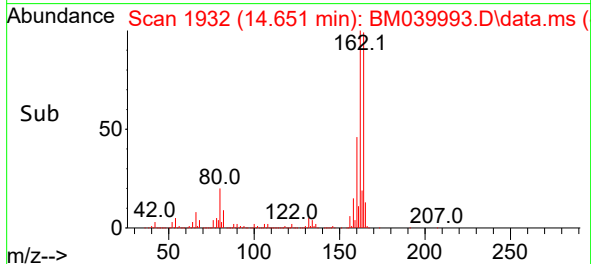
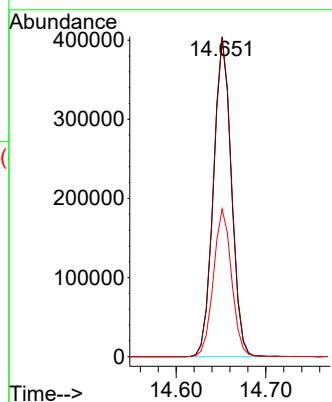
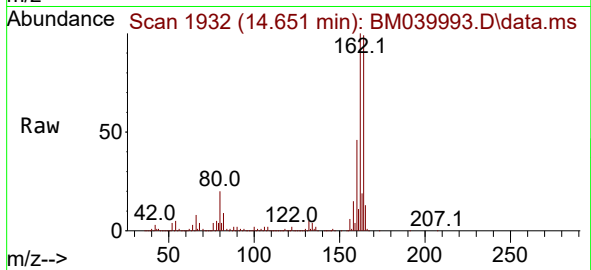
Tgt Ion:164 Resp: 556182

Ion Ratio Lower Upper

164 100

162 100.7 80.6 120.8

160 46.5 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 100.879 ng

RT: 16.134 min Scan# 2184

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

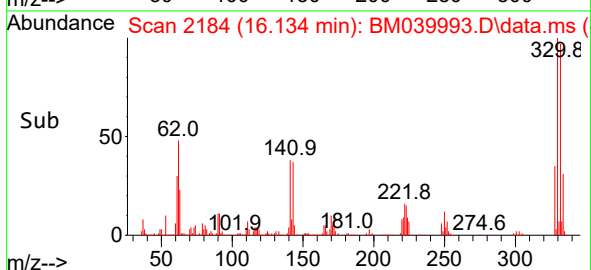
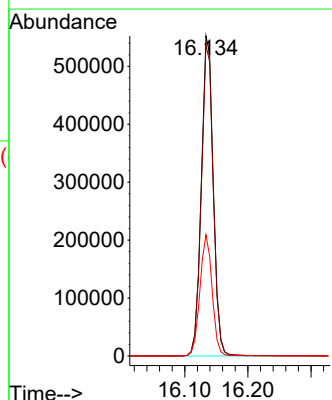
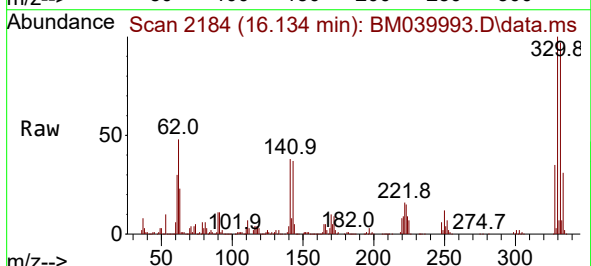
Tgt Ion:330 Resp: 728225

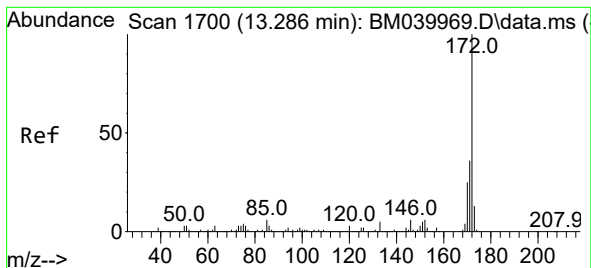
Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

141 38.6 31.6 47.4

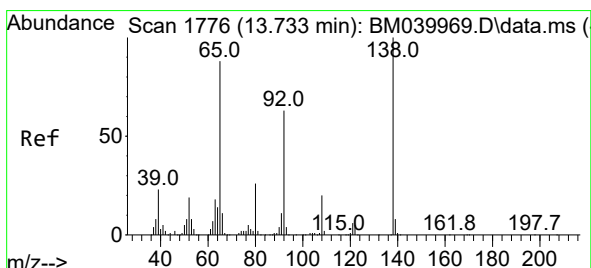
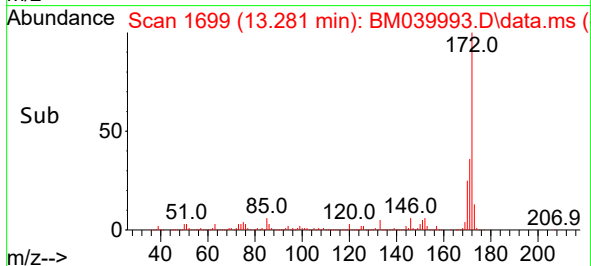
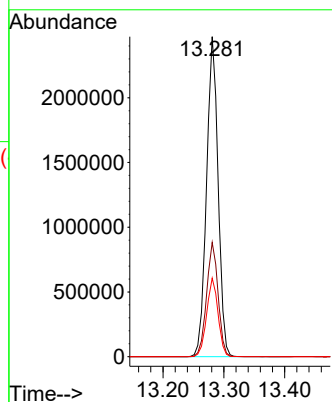
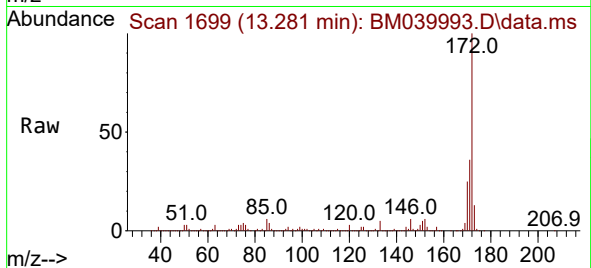




#45
2-Fluorobiphenyl
Concen: 69.136 ng
RT: 13.281 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

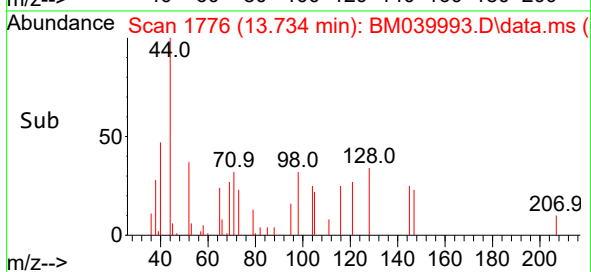
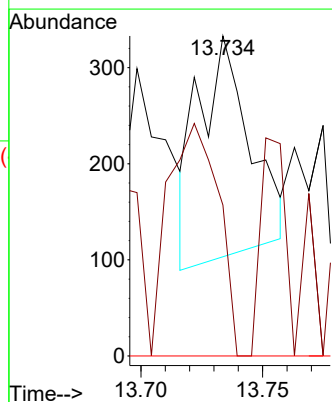
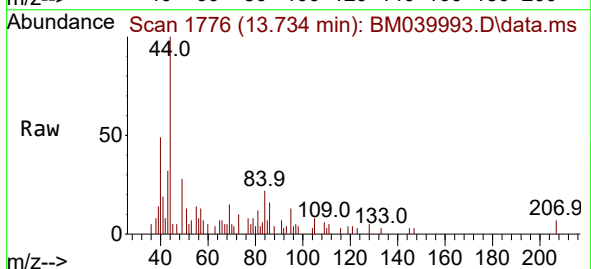
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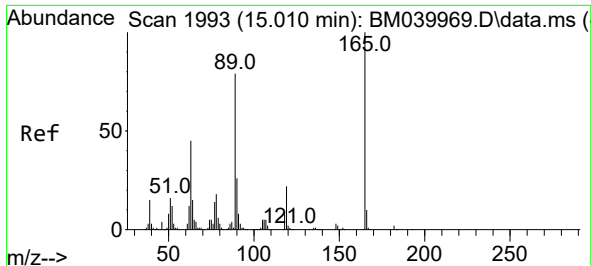
Tgt Ion:172 Resp: 3260074
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.5 19.6 29.4



#48
2-Nitroaniline
Concen: 2.593 ng
RT: 13.734 min Scan# 1776
Delta R.T. 0.001 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Tgt Ion: 65 Resp: 338
Ion Ratio Lower Upper
65 100
92 47.1 57.0 85.6#
138 0.0 91.1 136.7#

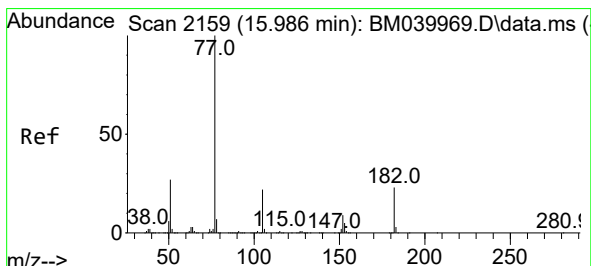
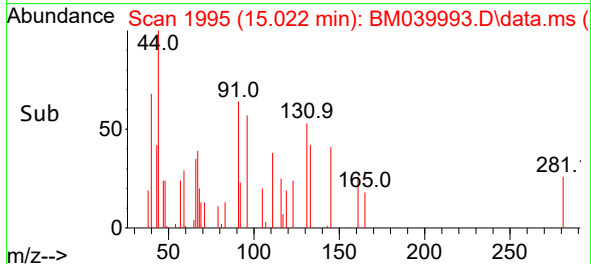
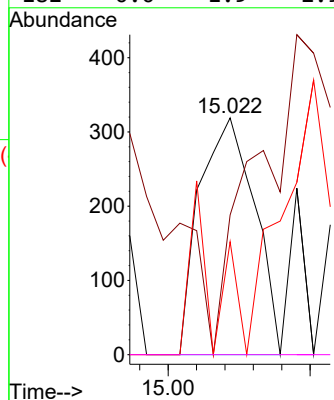
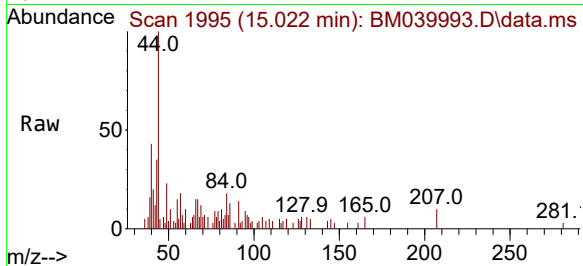




#57
2,4-Dinitrotoluene
Concen: 3.782 ng
RT: 15.022 min Scan# 1995
Delta R.T. 0.012 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

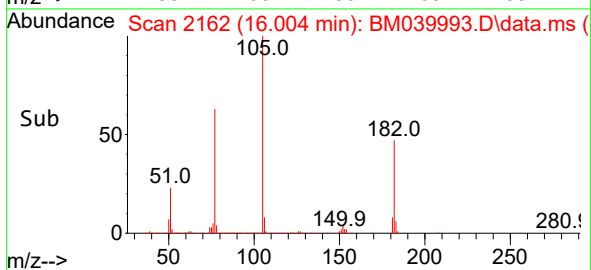
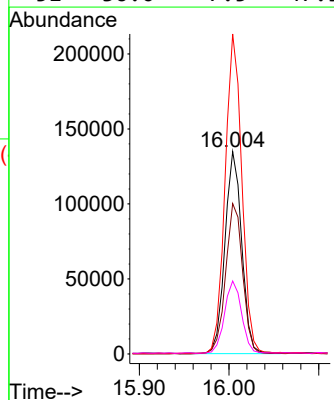
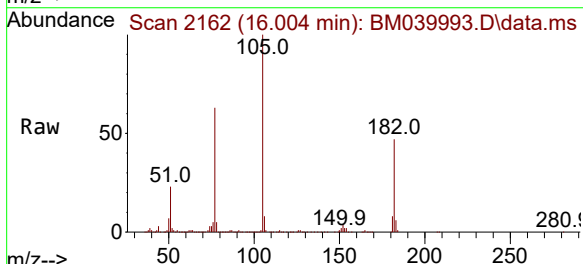
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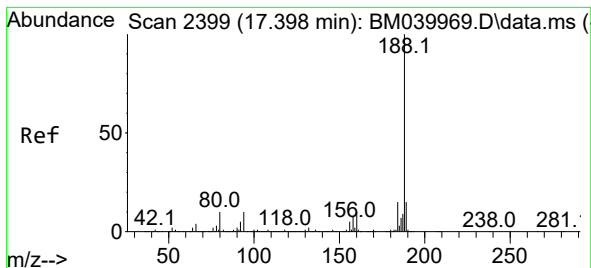
Tgt Ion:165 Resp: 429
Ion Ratio Lower Upper
165 100
63 58.9 36.2 54.2#
89 47.6 63.4 95.0#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 4.246 ng
RT: 16.004 min Scan# 2162
Delta R.T. 0.018 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Tgt Ion: 77 Resp: 175455
Ion Ratio Lower Upper
77 100
182 74.3 2.9 42.9#
105 158.0 1.5 41.5#
51 36.0 7.5 47.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.392 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Instrument :

BNA_M

ClientSampleId :

TP-50A

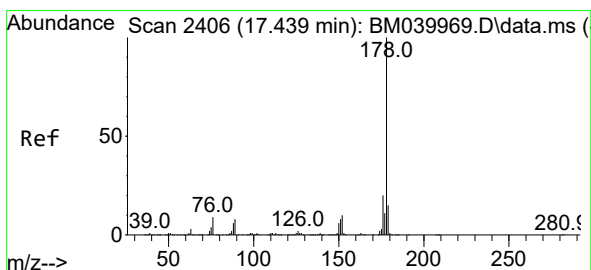
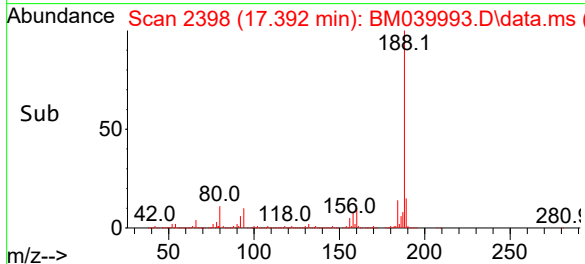
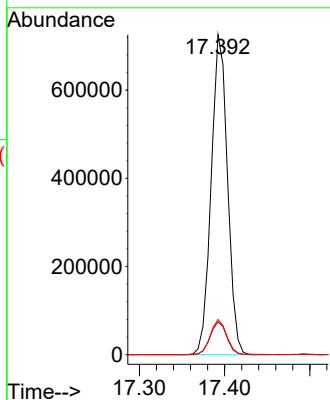
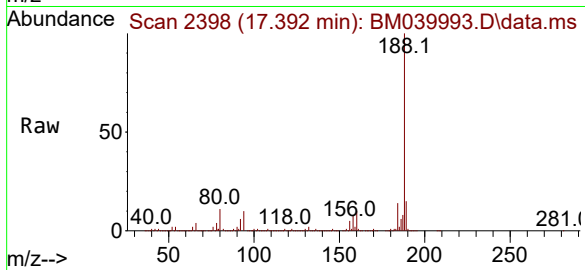
Tgt Ion:188 Resp: 966062

Ion Ratio Lower Upper

188 100

94 10.2 7.8 11.8

80 11.0 8.2 12.4



#71

Phenanthrene

Concen: 2.573 ng

RT: 17.433 min Scan# 2405

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

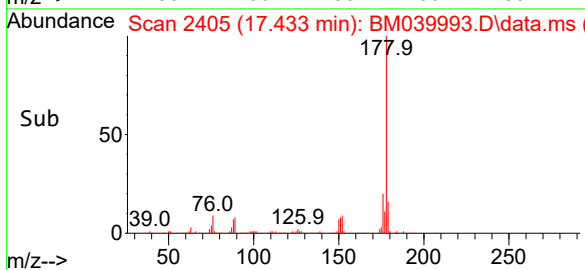
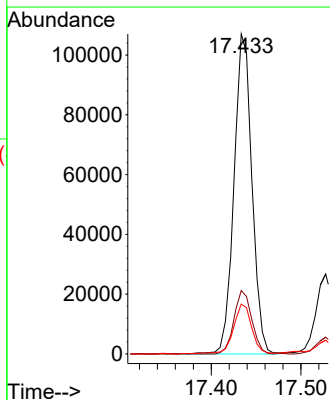
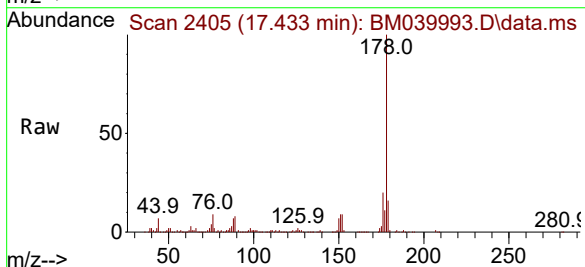
Tgt Ion:178 Resp: 148702

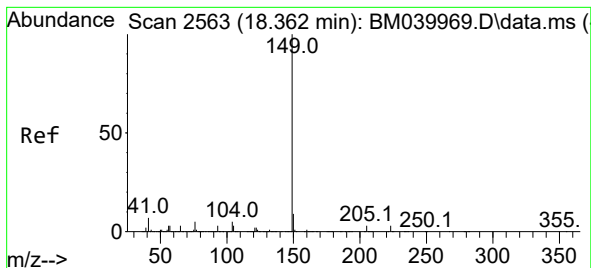
Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.2

179 15.6 12.2 18.4





#74

Di-n-butylphthalate

Concen: 3.736 ng

RT: 18.363 min Scan# 2

Delta R.T. 0.001 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Instrument :

BNA_M

ClientSampleId :

TP-50A

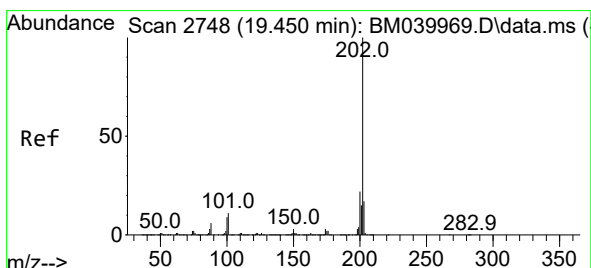
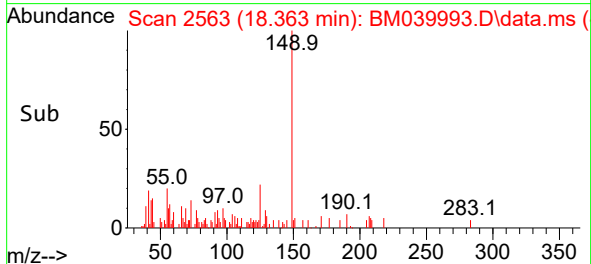
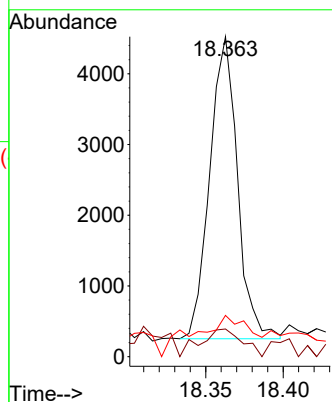
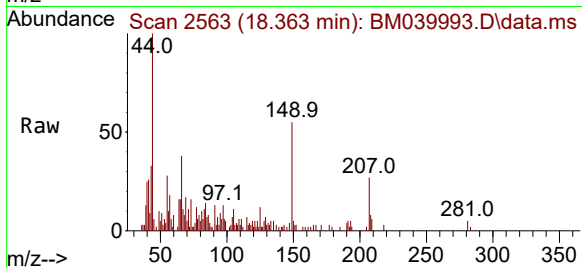
Tgt Ion:149 Resp: 5310

Ion Ratio Lower Upper

149 100

150 8.7 7.4 11.2

104 12.9 4.2 6.2#



#75

Fluoranthene

Concen: 6.042 ng

RT: 19.445 min Scan# 2747

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

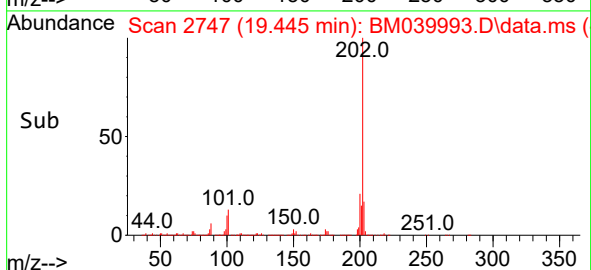
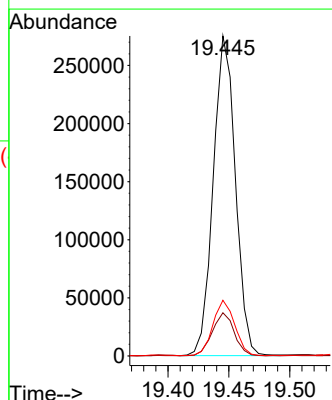
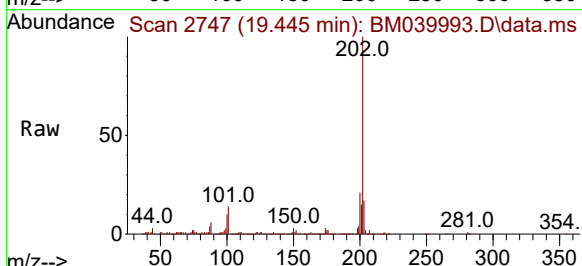
Tgt Ion:202 Resp: 347967

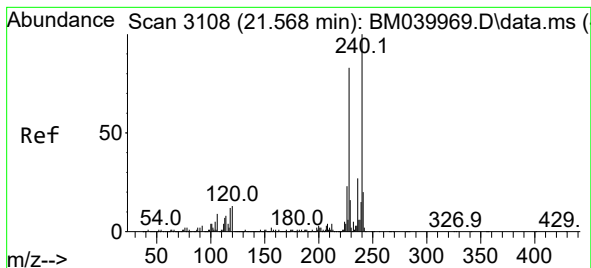
Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.3

203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.568 min Scan# 3108

Delta R.T. 0.000 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Instrument :

BNA_M

ClientSampleId :

TP-50A

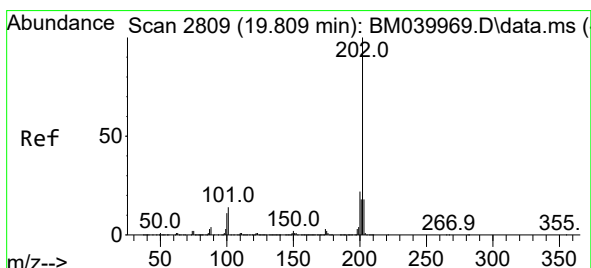
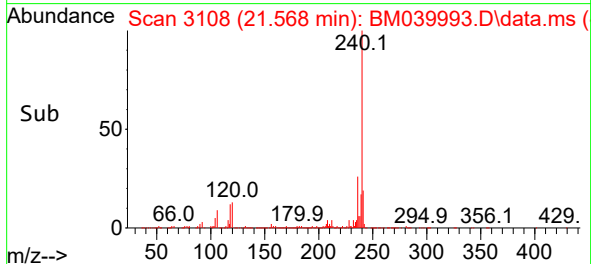
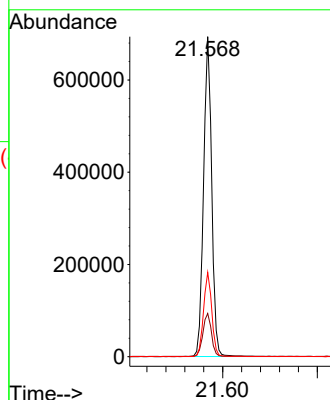
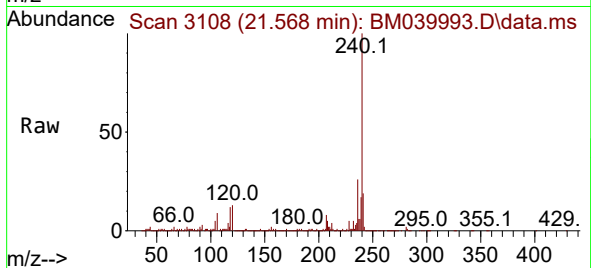
Tgt Ion:240 Resp: 824621

Ion Ratio Lower Upper

240 100

120 13.5 10.1 15.1

236 26.4 21.3 31.9



#78

Pyrene

Concen: 5.623 ng

RT: 19.810 min Scan# 2809

Delta R.T. 0.001 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

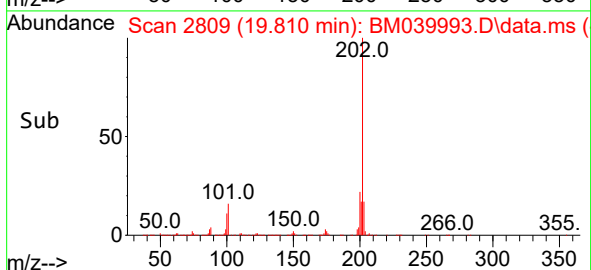
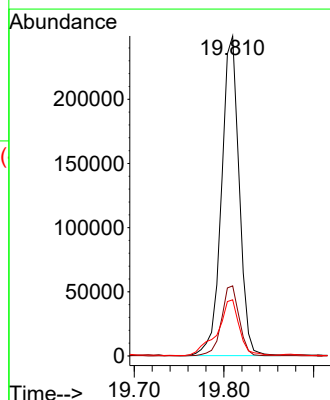
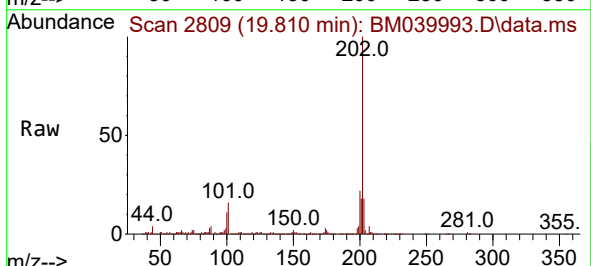
Tgt Ion:202 Resp: 340238

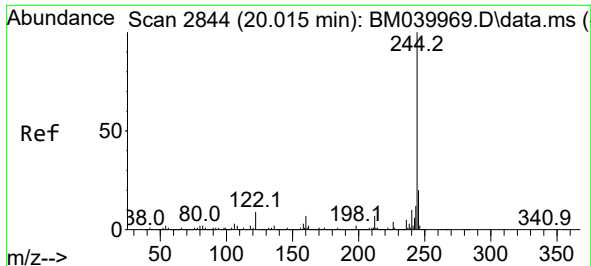
Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

203 17.5 14.1 21.1

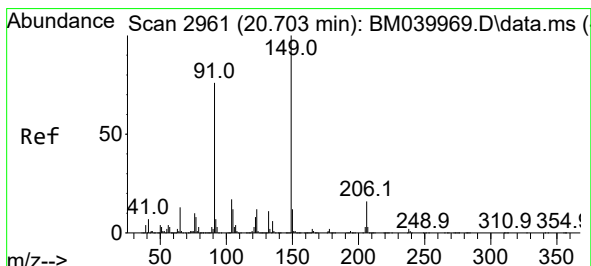
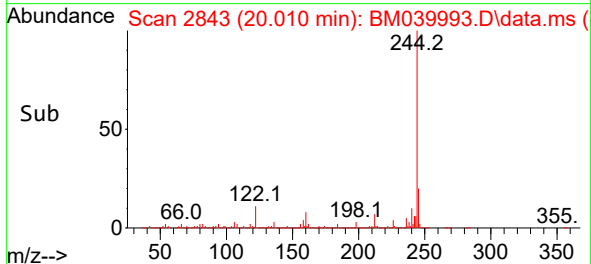
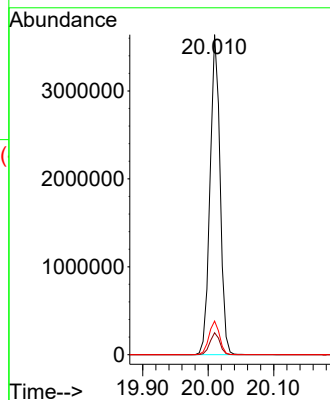
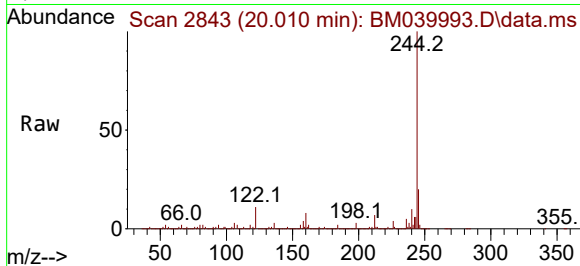




#79
 Terphenyl-d14
 Concen: 72.785 ng
 RT: 20.010 min Scan# 2844
 Delta R.T. -0.005 min
 Lab File: BM039993.D
 Acq: 24 May 2023 20:39

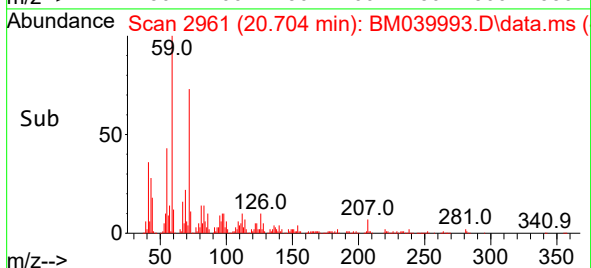
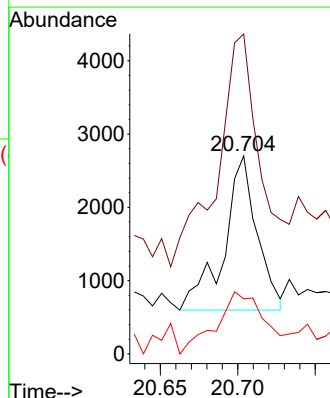
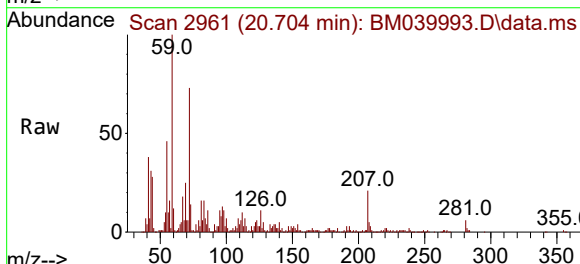
Instrument :
 BNA_M
 ClientSampleId :
 TP-50A

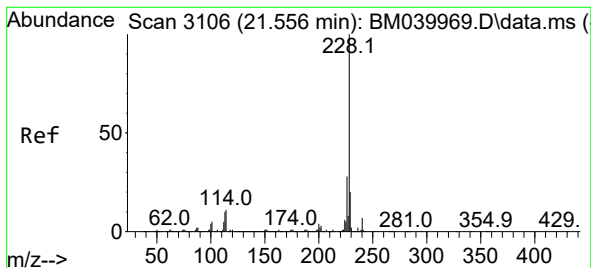
Tgt Ion:244 Resp: 3865555
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.5 7.1 10.7



#80
 Butylbenzylphthalate
 Concen: 4.945 ng
 RT: 20.704 min Scan# 2961
 Delta R.T. 0.001 min
 Lab File: BM039993.D
 Acq: 24 May 2023 20:39

Tgt Ion:149 Resp: 3122
 Ion Ratio Lower Upper
 149 100
 91 161.5 61.0 91.4#
 206 27.9 12.7 19.1#





#81

Benzo(a)anthracene

Concen: 3.141 ng

RT: 21.551 min Scan# 3105

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Instrument :

BNA_M

ClientSampleId :

TP-50A

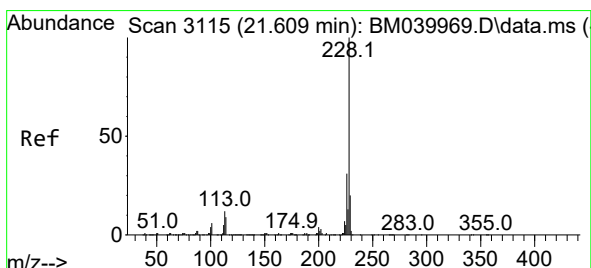
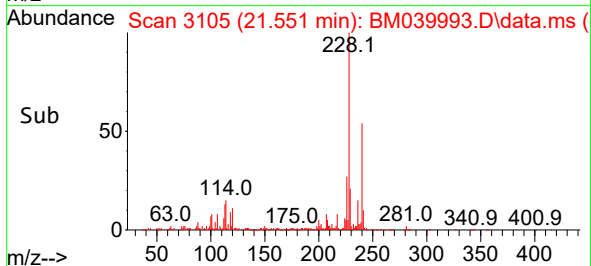
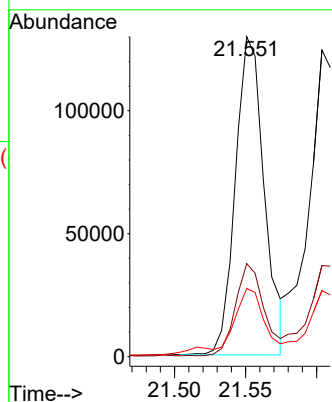
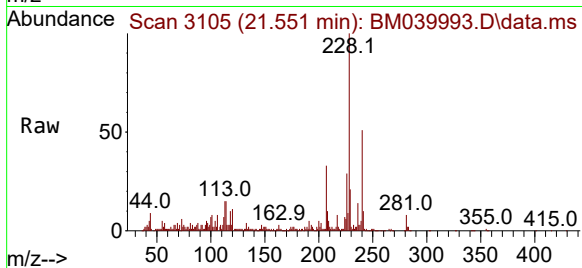
Tgt Ion:228 Resp: 183353

Ion Ratio Lower Upper

228 100

226 29.1 22.2 33.4

229 21.3 15.8 23.6



#83

Chrysene

Concen: 3.195 ng

RT: 21.604 min Scan# 3114

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

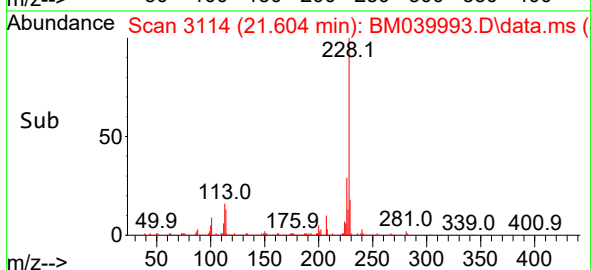
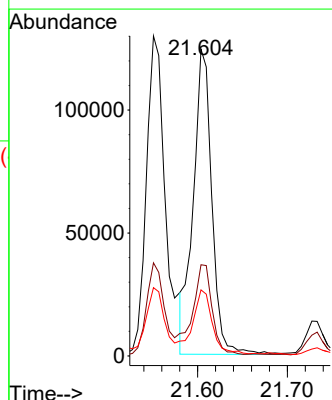
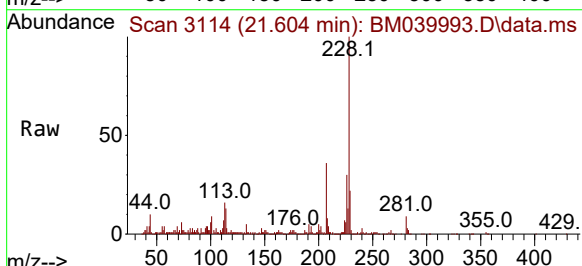
Tgt Ion:228 Resp: 178943

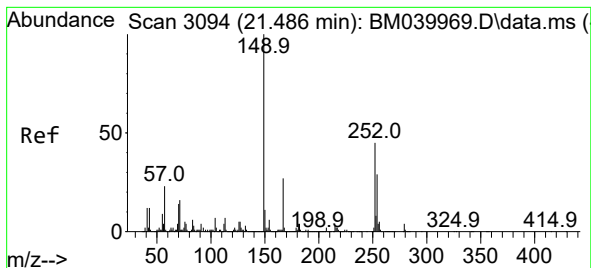
Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

229 21.5 15.9 23.9

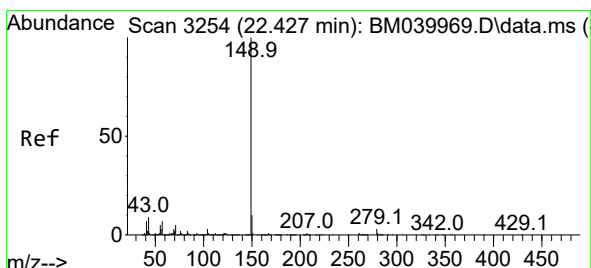
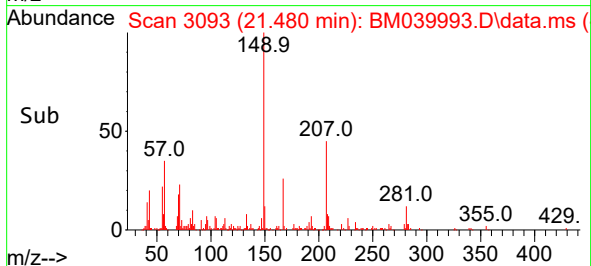
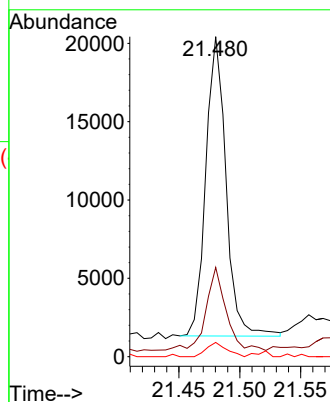
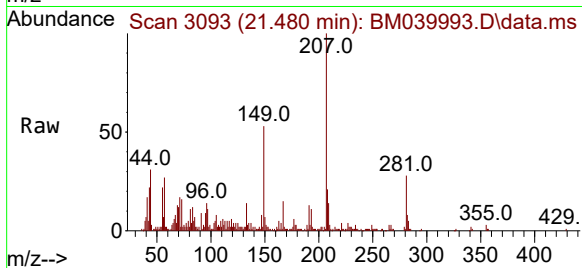




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.116 ng
RT: 21.480 min Scan# 3094
Delta R.T. -0.006 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

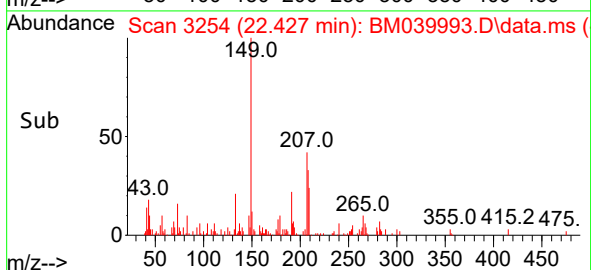
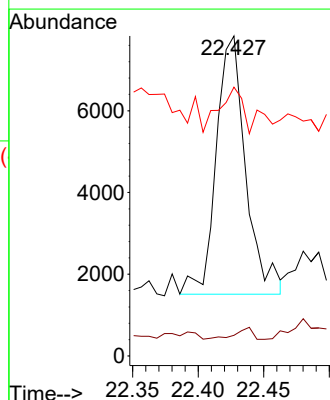
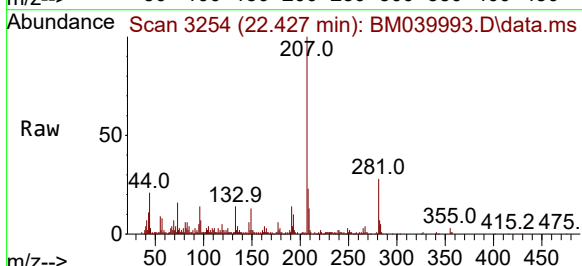
Instrument :
BNA_M
ClientSampleId :
TP-50A

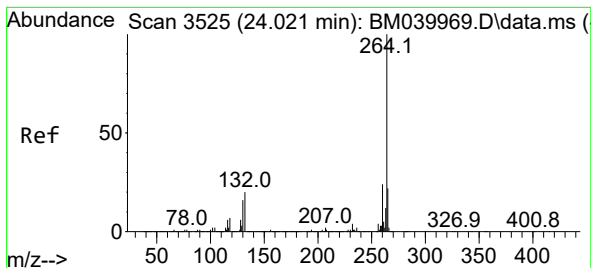
Tgt Ion:149 Resp: 22041
Ion Ratio Lower Upper
149 100
167 27.9 21.4 32.2
279 4.5 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 6.753 ng
RT: 22.427 min Scan# 3254
Delta R.T. 0.000 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Tgt Ion:149 Resp: 9888
Ion Ratio Lower Upper
149 100
167 2.8 1.1 1.7#
43 12.1 7.4 11.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.021 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Instrument :

BNA_M

ClientSampleId :

TP-50A

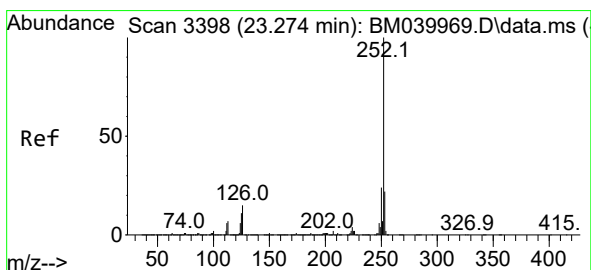
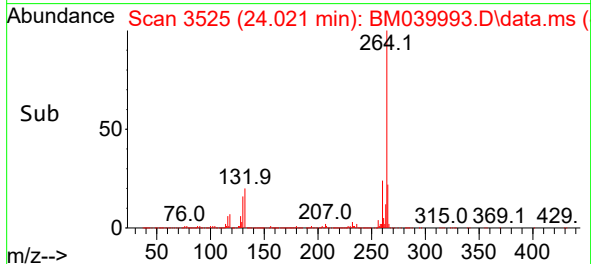
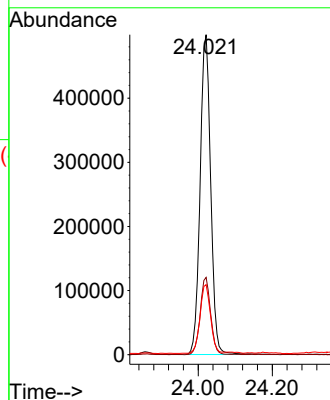
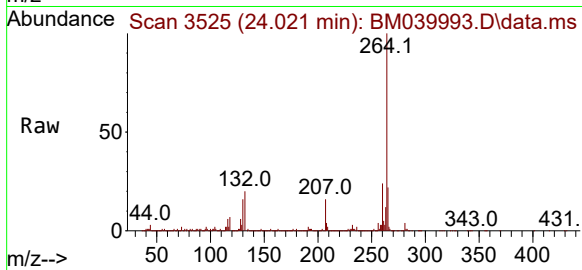
Tgt Ion:264 Resp: 986647

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.9 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 4.283 ng

RT: 23.268 min Scan# 3397

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

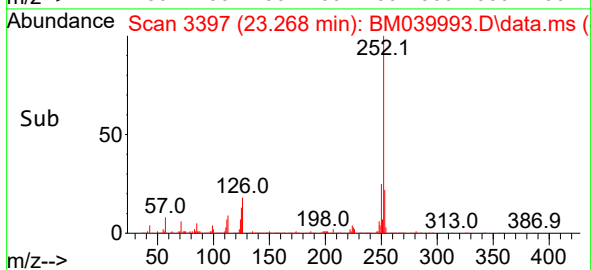
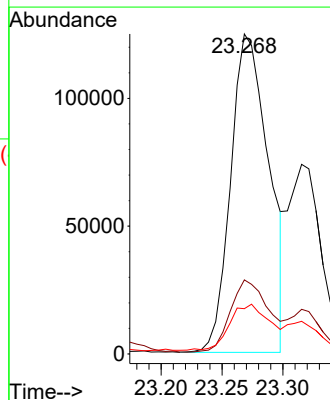
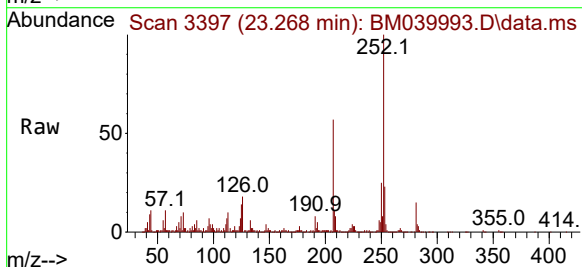
Tgt Ion:252 Resp: 270546

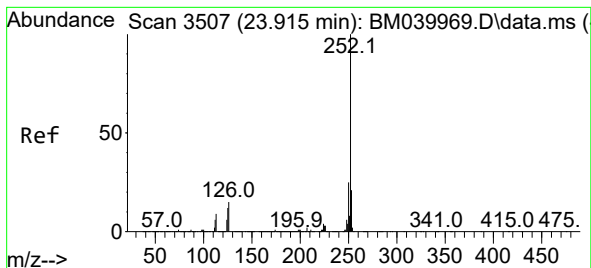
Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 14.2 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 3.058 ng

RT: 23.909 min Scan# 3

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Instrument :

BNA_M

ClientSampleId :

TP-50A

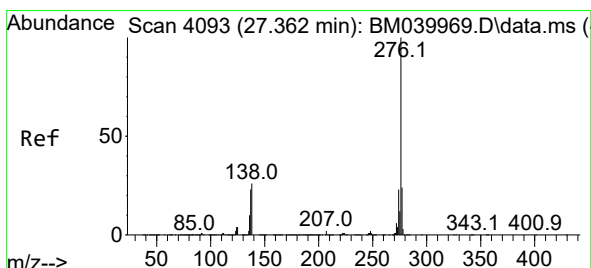
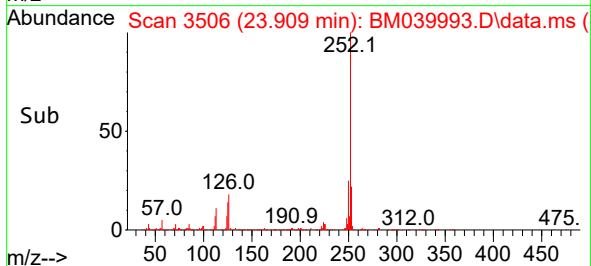
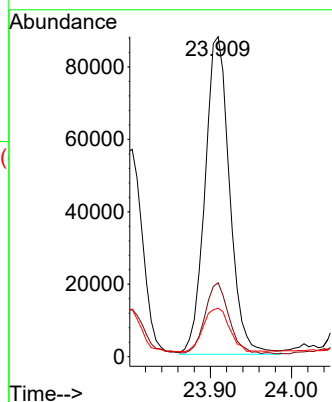
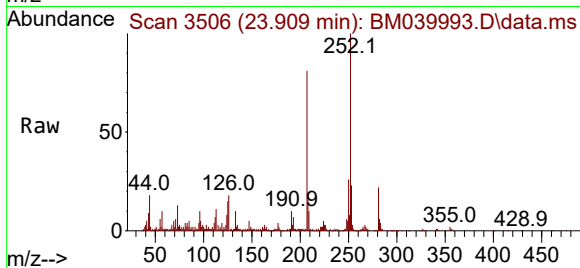
Tgt Ion:252 Resp: 185263

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

125 15.1 9.6 14.4#



#92

Benzo(g,h,i)perylene

Concen: 2.410 ng

RT: 27.350 min Scan# 4091

Delta R.T. -0.011 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Tgt Ion:276 Resp: 144300

Ion Ratio Lower Upper

276 100

277 24.4 19.1 28.7

138 30.4 20.6 31.0

