

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
 Data File : BM039983.D
 Acq On : 24 May 2023 14:33
 Operator : CG/JU
 Sample : 02868-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP13

Quant Time: May 24 15:14:02 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)

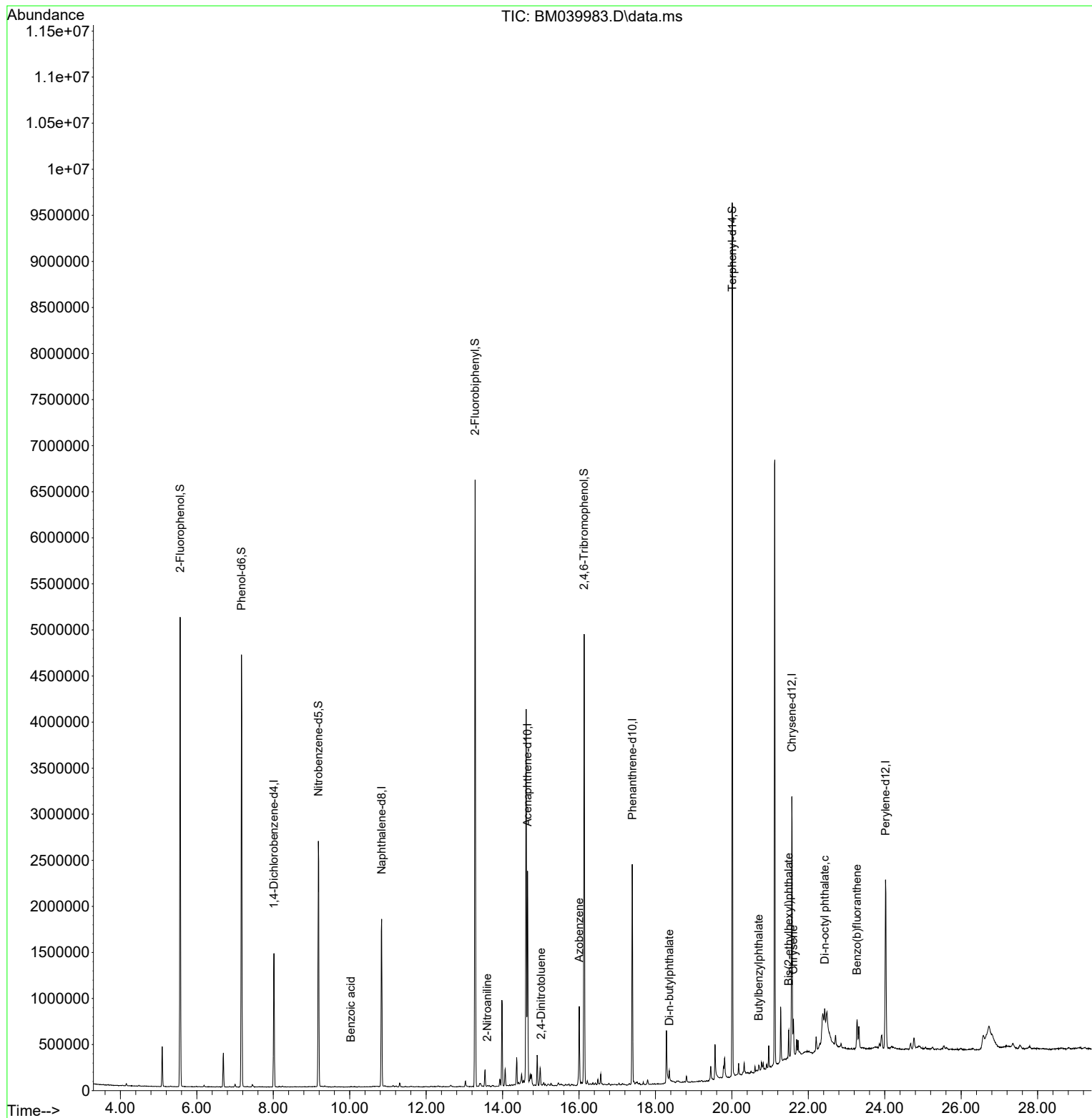
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	391697	20.000	ng	0.00
21) Naphthalene-d8	10.834	136	1521493	20.000	ng	0.00
39) Acenaphthene-d10	14.651	164	770948	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	1342411	20.000	ng	0.00
76) Chrysene-d12	21.568	240	1185100	20.000	ng	0.00
86) Perylene-d12	24.021	264	1276425	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	2287695	89.589	ng	0.00
7) Phenol-d6	7.169	99	2758472	82.811	ng	0.00
23) Nitrobenzene-d5	9.181	82	1475666	52.335	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	859094	85.855	ng	0.00
45) 2-Fluorobiphenyl	13.280	172	3246493	49.669	ng	0.00
79) Terphenyl-d14	20.009	244	4135646	54.185	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.028	122	2151	7.919	ng	89
48) 2-Nitroaniline	13.598	65	549	2.599	ng	# 29
57) 2,4-Dinitrotoluene	15.004	165	5523	4.066	ng	# 83
63) Azobenzene	16.004	77	228465	3.989	ng	# 1
74) Di-n-butylphthalate	18.362	149	92434	4.591	ng	98
80) Butylbenzylphthalate	20.703	149	22112	5.388	ng	94
83) Chrysene	21.609	228	212213	2.636	ng	98
84) Bis(2-ethylhexyl)phtha...	21.486	149	126282	5.652	ng	99
85) Di-n-octyl phthalate	22.427	149	136721	7.960	ng	# 78
88) Benzo(b)fluoranthene	23.274	252	171316	2.096	ng	# 97

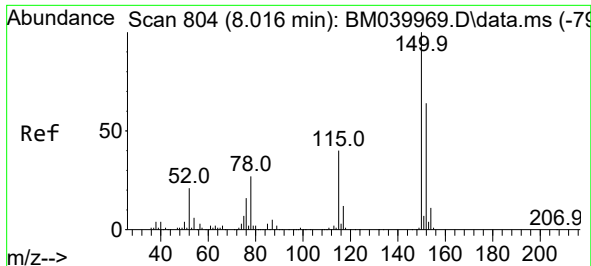
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052323.M
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QLast Update : Wed May 24 01:06:13 2023
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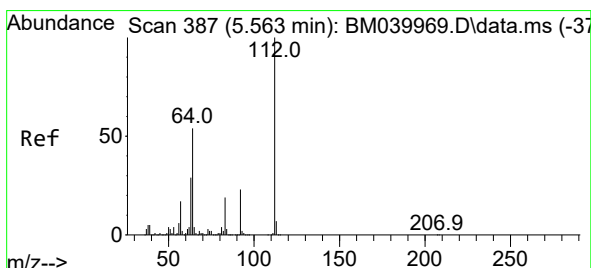
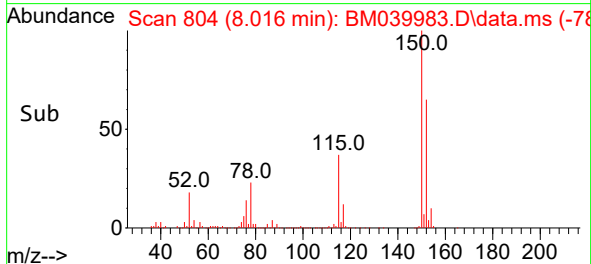
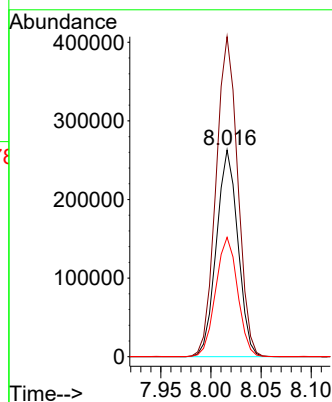
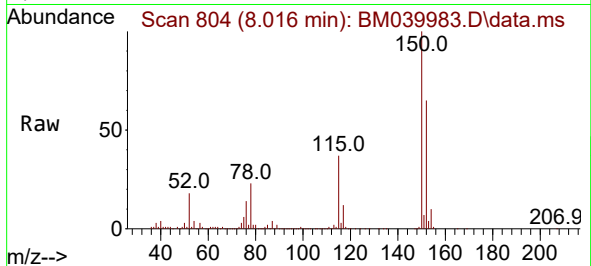




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.016 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM039983.D
Acq: 24 May 2023 14:33

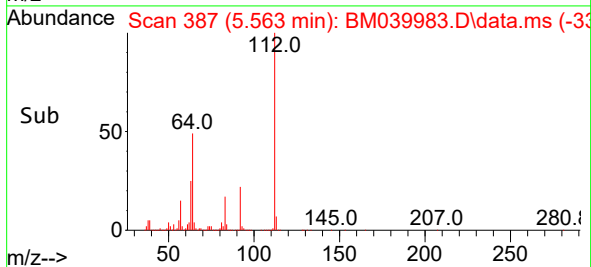
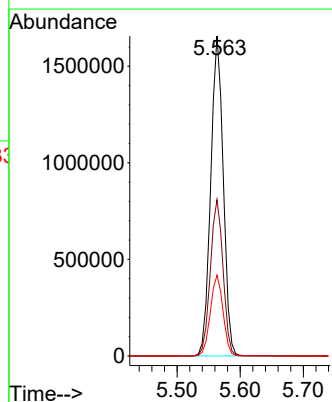
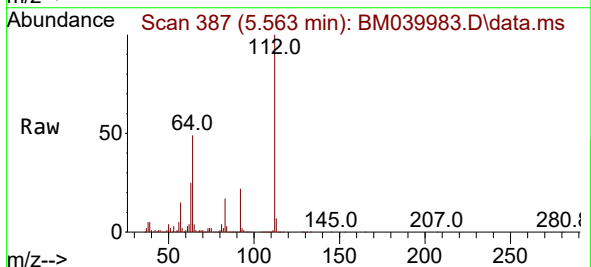
Instrument :
BNA_M
ClientSampleId :
TP13

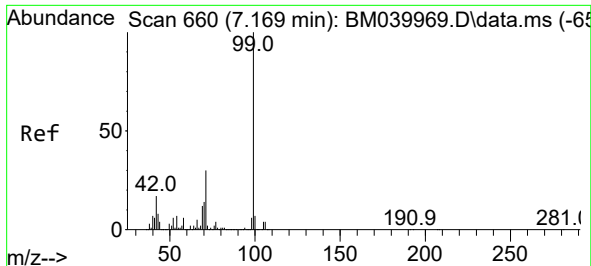
Tgt Ion:152 Resp: 391697
Ion Ratio Lower Upper
152 100
150 154.8 125.5 188.3
115 57.7 50.2 75.2



#5
2-Fluorophenol
Concen: 89.589 ng
RT: 5.563 min Scan# 387
Delta R.T. 0.000 min
Lab File: BM039983.D
Acq: 24 May 2023 14:33

Tgt Ion:112 Resp: 2287695
Ion Ratio Lower Upper
112 100
64 48.9 43.0 64.4
63 25.3 22.9 34.3



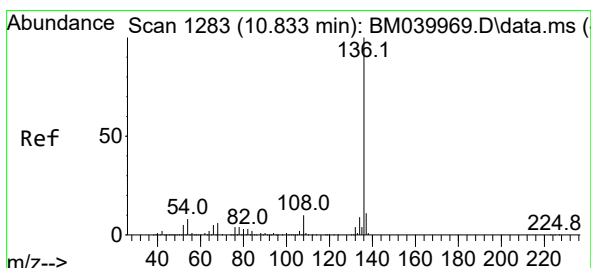
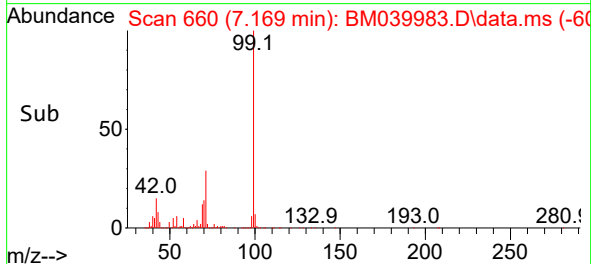
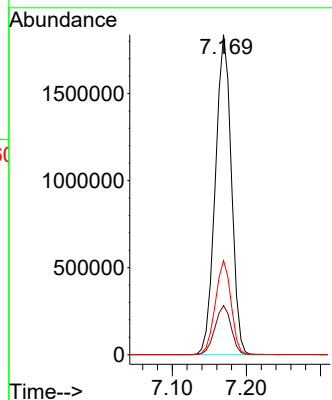
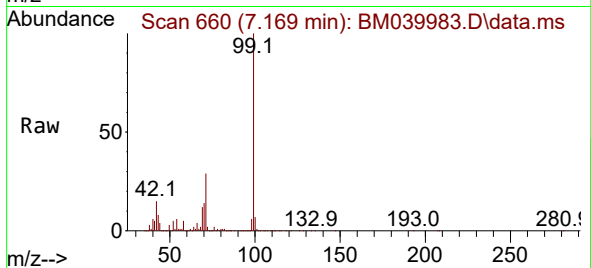


#7
Phenol-d6
Concen: 82.811 ng
RT: 7.169 min Scan# 660
Delta R.T. 0.000 min
Lab File: BM039983.D
Acq: 24 May 2023 14:33

Instrument :
BNA_M
ClientSampleId :
TP13

Tgt Ion: 99 Resp: 2758472

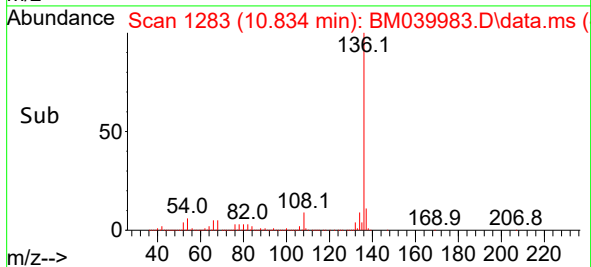
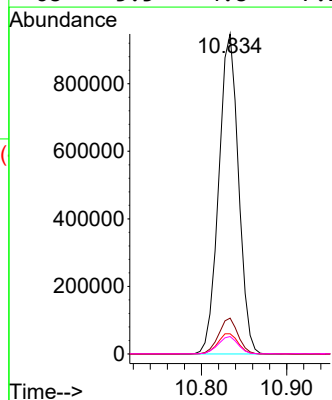
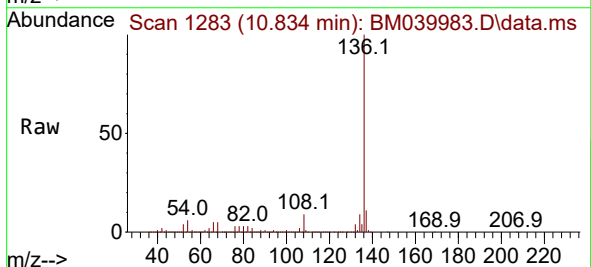
Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.8	20.6
71	29.4	24.4	36.6

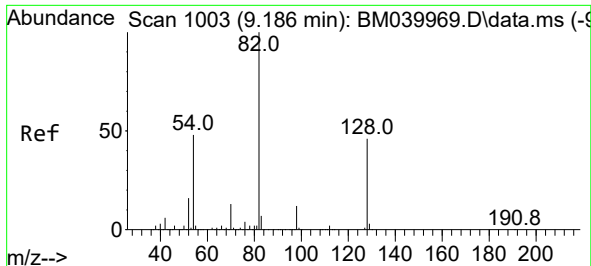


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.834 min Scan# 1283
Delta R.T. 0.001 min
Lab File: BM039983.D
Acq: 24 May 2023 14:33

Tgt Ion: 136 Resp: 1521493

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.3	6.1	9.1
68	5.5	4.8	7.2

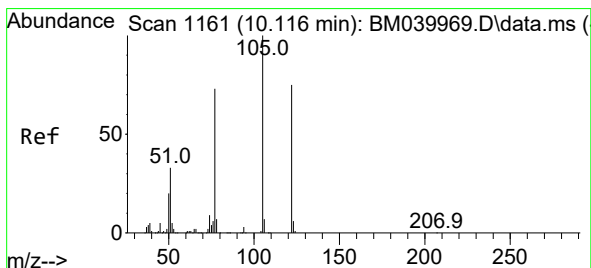
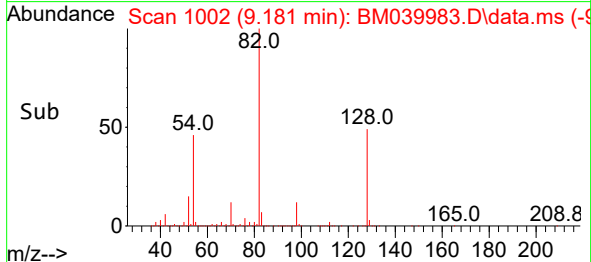
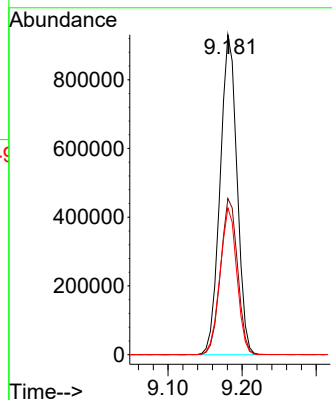
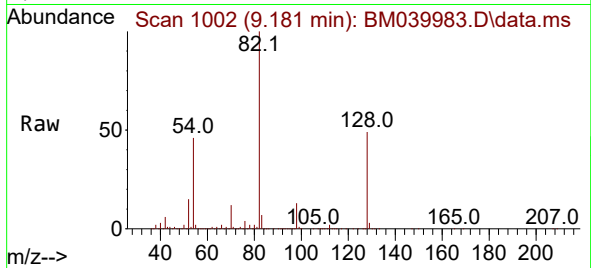




#23
Nitrobenzene-d5
Concen: 52.335 ng
RT: 9.181 min Scan# 1003
Delta R.T. -0.005 min
Lab File: BM039983.D
Acq: 24 May 2023 14:33

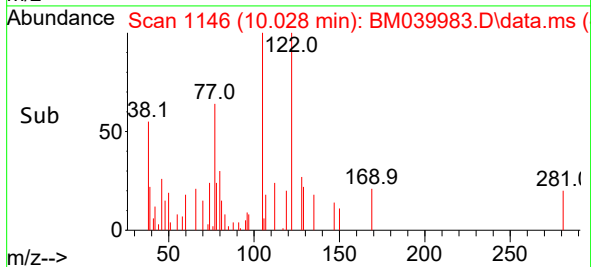
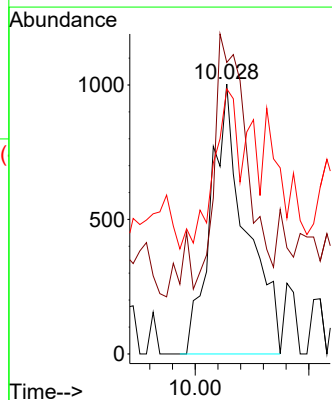
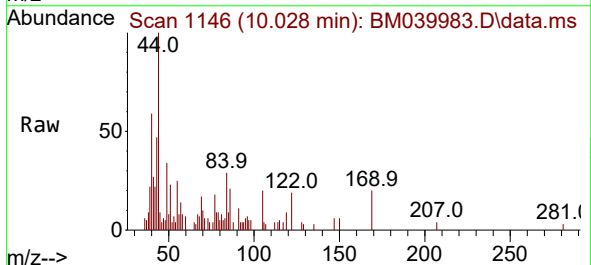
Instrument :
BNA_M
ClientSampleId :
TP13

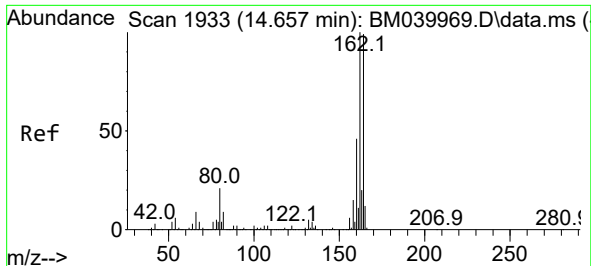
Tgt Ion: 82 Resp: 1475666
Ion Ratio Lower Upper
82 100
128 48.8 36.5 54.7
54 45.9 38.3 57.5



#32
Benzoic acid
Concen: 7.919 ng
RT: 10.028 min Scan# 1146
Delta R.T. -0.088 min
Lab File: BM039983.D
Acq: 24 May 2023 14:33

Tgt Ion:122 Resp: 2151
Ion Ratio Lower Upper
122 100
105 108.0 106.0 146.0
77 98.2 74.7 114.7

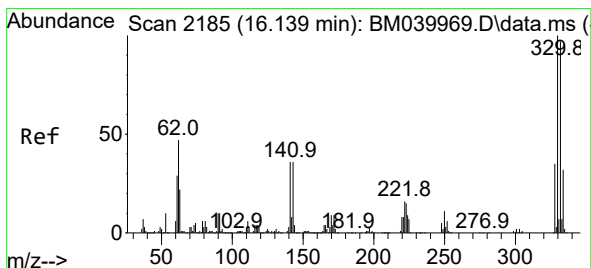
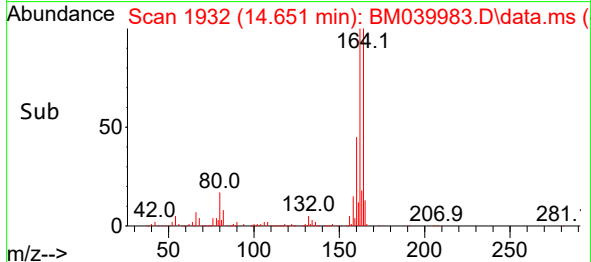
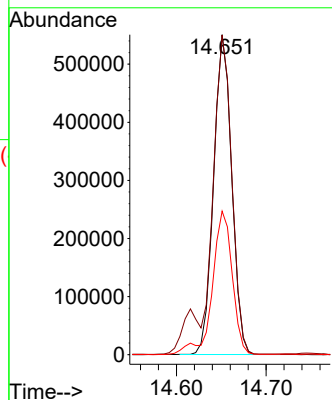
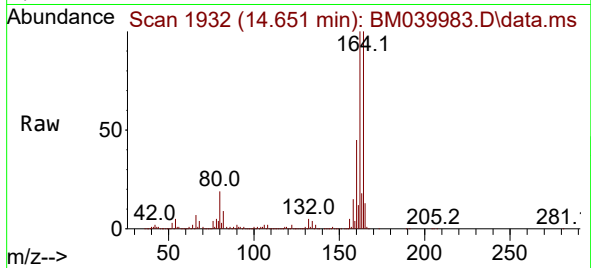




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.651 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM039983.D
Acq: 24 May 2023 14:33

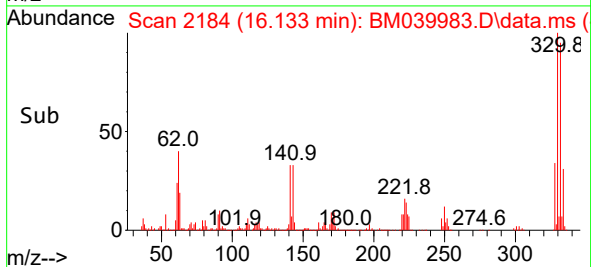
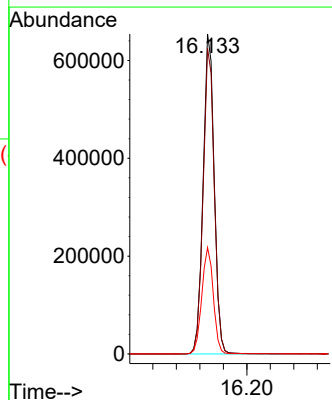
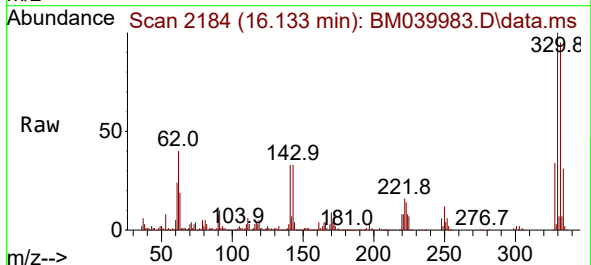
Instrument :
BNA_M
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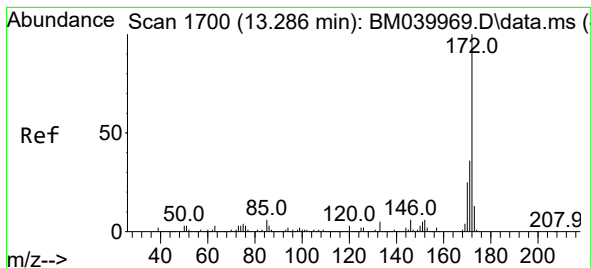
Tgt Ion:164 Resp: 770948
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 44.9 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 85.855 ng
RT: 16.133 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM039983.D
Acq: 24 May 2023 14:33

Tgt Ion:330 Resp: 859094
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.2
141 34.5 31.6 47.4





#45

2-Fluorobiphenyl

Concen: 49.669 ng

RT: 13.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039983.D

Acq: 24 May 2023 14:33

Instrument :

BNA_M

ClientSampleId :

TP13

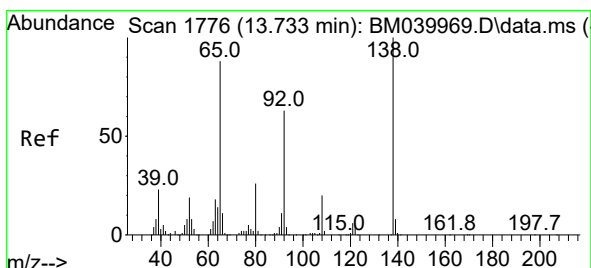
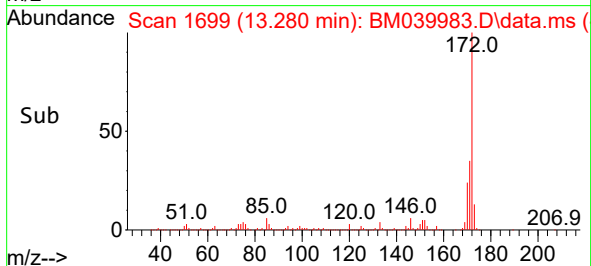
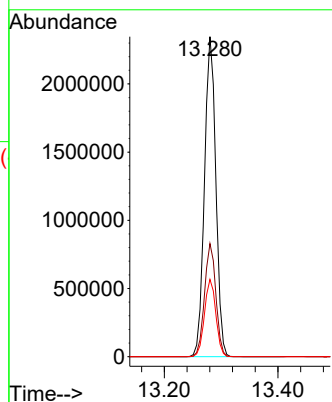
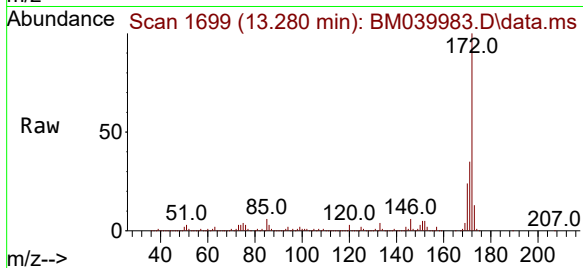
Tgt Ion:172 Resp: 3246493

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 24.2 19.6 29.4



#48

2-Nitroaniline

Concen: 2.599 ng

RT: 13.598 min Scan# 1753

Delta R.T. -0.135 min

Lab File: BM039983.D

Acq: 24 May 2023 14:33

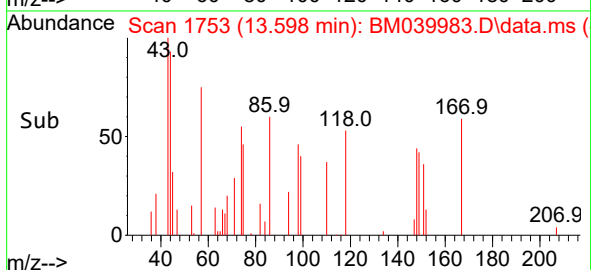
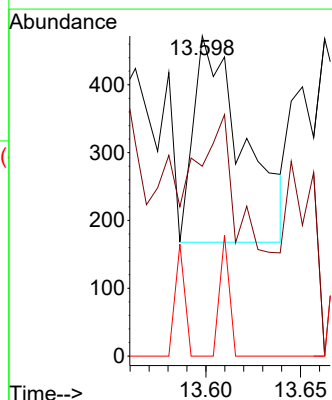
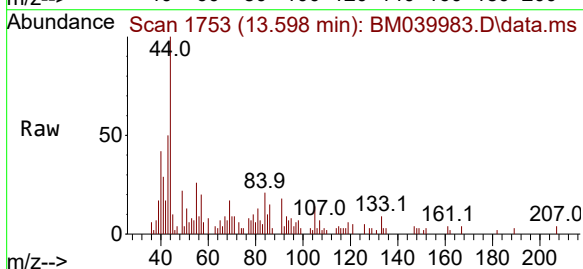
Tgt Ion: 65 Resp: 549

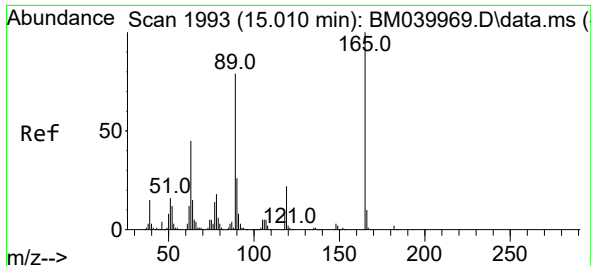
Ion Ratio Lower Upper

65 100

92 59.3 57.0 85.6

138 0.0 91.1 136.7#

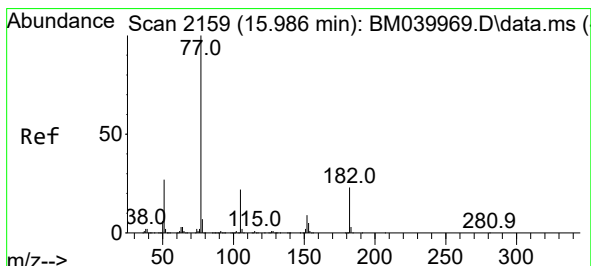
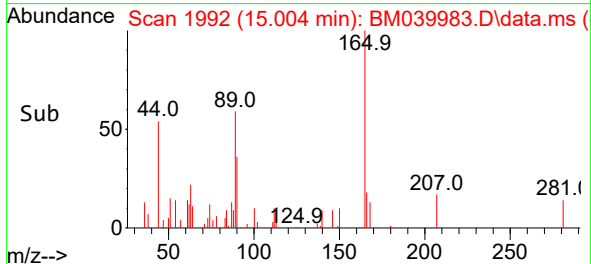
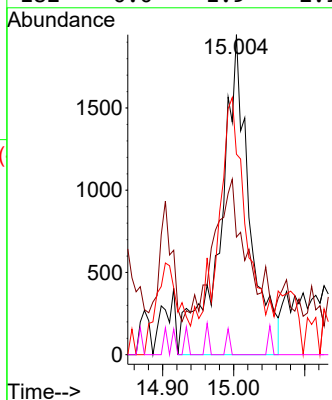
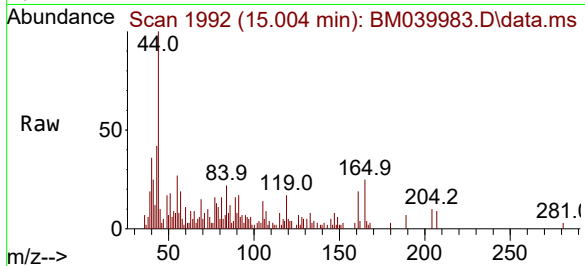




#57
2,4-Dinitrotoluene
Concen: 4.066 ng
RT: 15.004 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BM039983.D
Acq: 24 May 2023 14:33

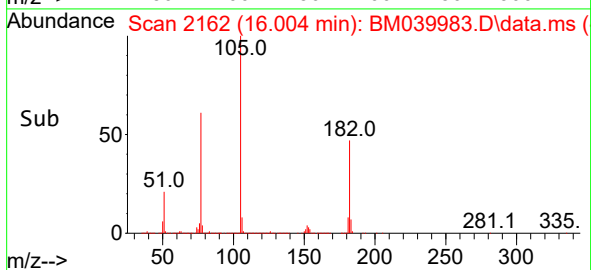
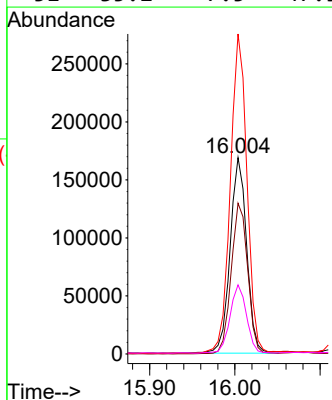
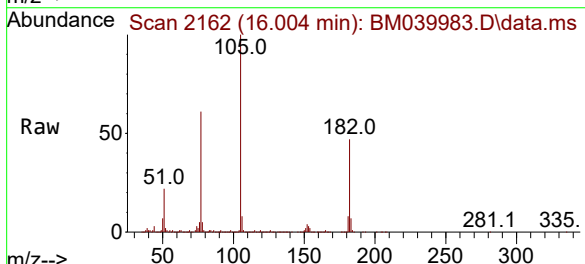
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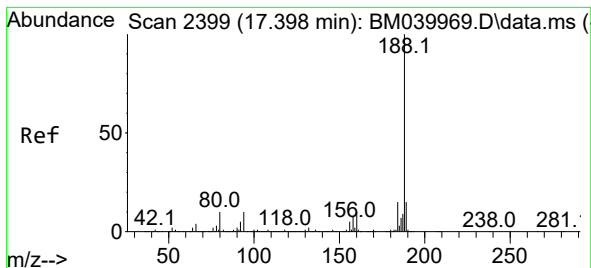
Tgt Ion:165 Resp: 5523
Ion Ratio Lower Upper
165 100
63 36.7 36.2 54.2
89 62.6 63.4 95.0#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 3.989 ng
RT: 16.004 min Scan# 2162
Delta R.T. 0.018 min
Lab File: BM039983.D
Acq: 24 May 2023 14:33

Tgt Ion: 77 Resp: 228465
Ion Ratio Lower Upper
77 100
182 76.7 2.9 42.9#
105 163.0 1.5 41.5#
51 35.2 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: BM039983.D

Acq: 24 May 2023 14:33

Instrument :

BNA_M

ClientSampleId :

TP13

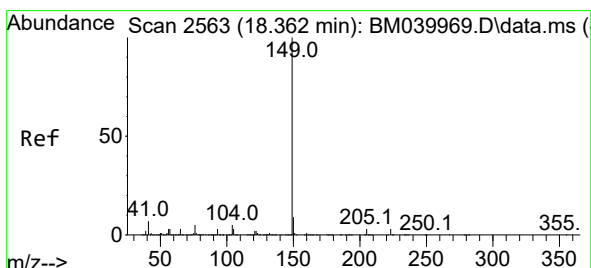
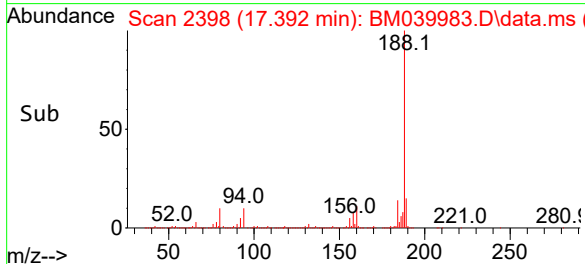
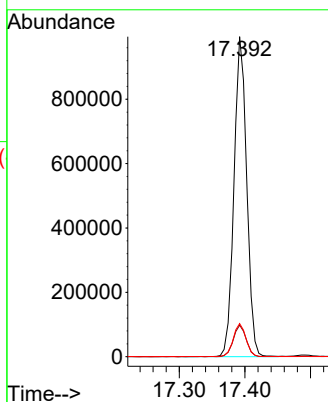
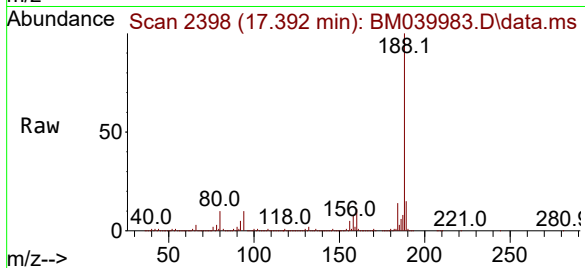
Tgt Ion:188 Resp: 1342411

Ion Ratio Lower Upper

188 100

94 9.9 7.8 11.8

80 10.4 8.2 12.4



#74

Di-n-butylphthalate

Concen: 4.591 ng

RT: 18.362 min Scan# 2563

Delta R.T. 0.000 min

Lab File: BM039983.D

Acq: 24 May 2023 14:33

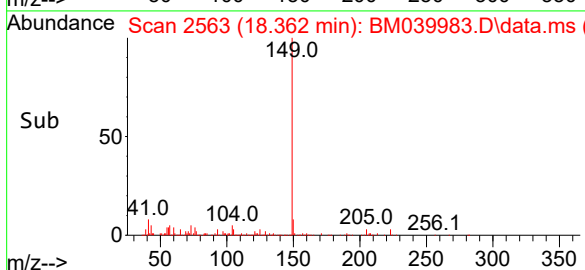
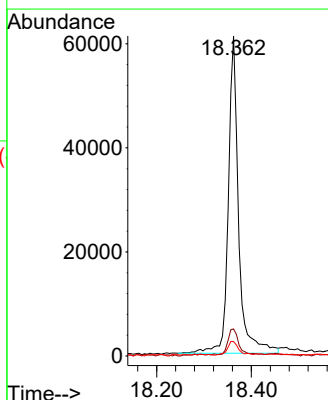
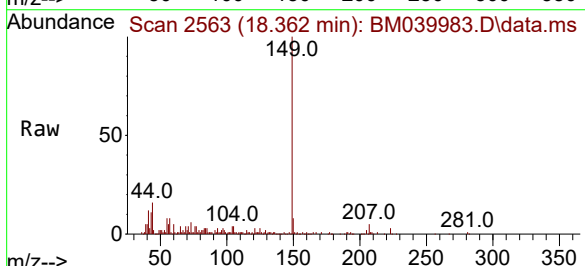
Tgt Ion:149 Resp: 92434

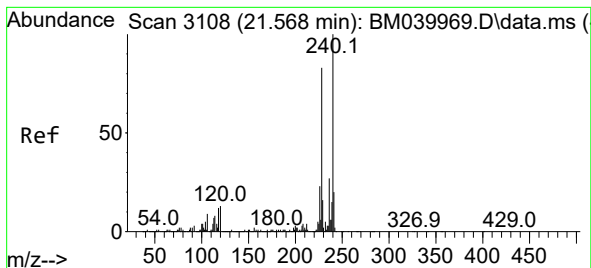
Ion Ratio Lower Upper

149 100

150 8.4 7.4 11.2

104 4.5 4.2 6.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.568 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM039983.D

Acq: 24 May 2023 14:33

Instrument :

BNA_M

ClientSampleId :

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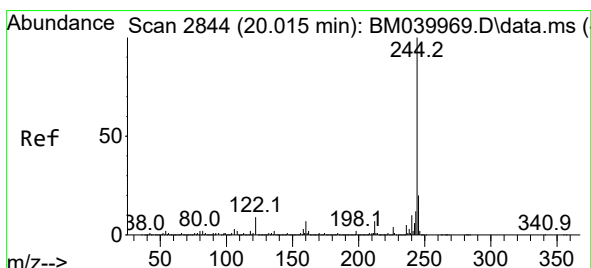
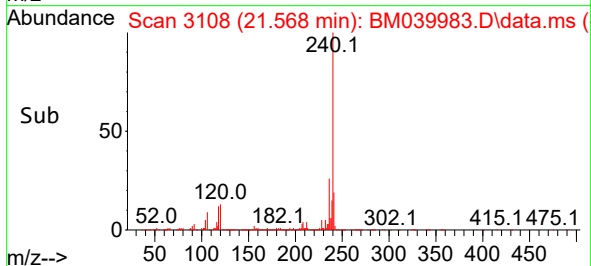
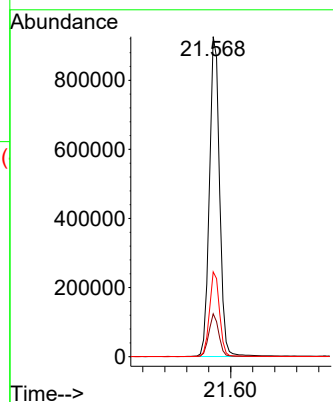
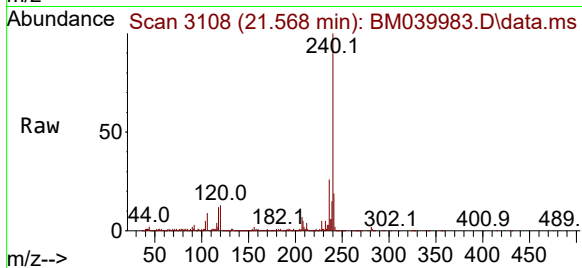
Tgt Ion:240 Resp: 1185100

Ion Ratio Lower Upper

240 100

120 13.4 10.1 15.1

236 26.5 21.3 31.9



#79

Terphenyl-d14

Concen: 54.185 ng

RT: 20.009 min Scan# 2843

Delta R.T. -0.006 min

Lab File: BM039983.D

Acq: 24 May 2023 14:33

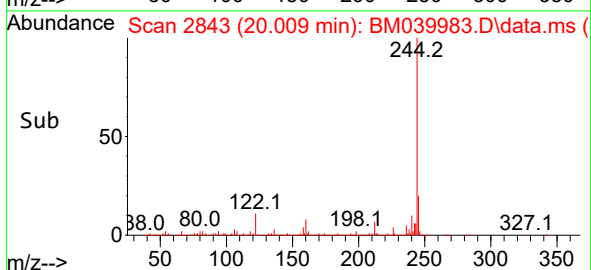
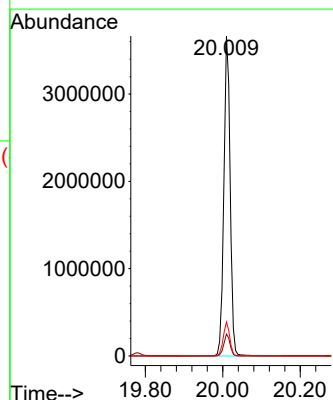
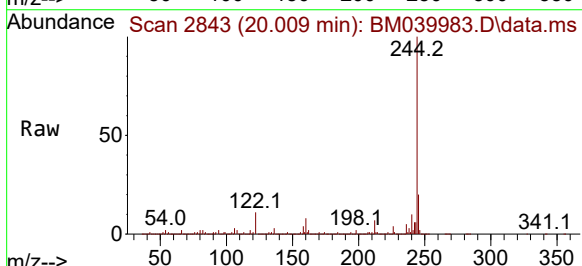
Tgt Ion:244 Resp: 4135646

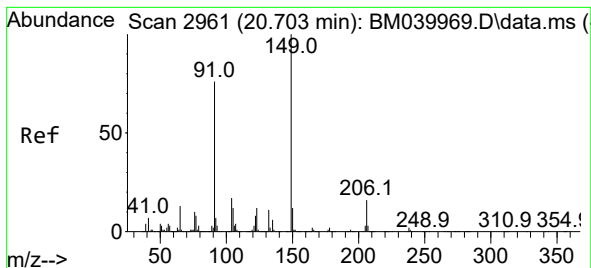
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 10.7 7.1 10.7





#80

Butylbenzylphthalate

Concen: 5.388 ng

RT: 20.703 min Scan# 2961

Delta R.T. 0.000 min

Lab File: BM039983.D

Acq: 24 May 2023 14:33

Instrument :

BNA_M

ClientSampleId :

TP13

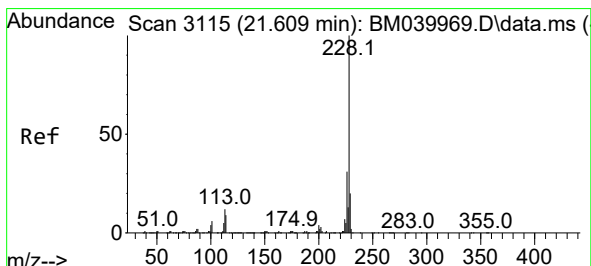
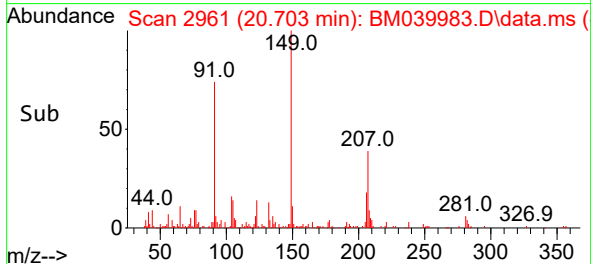
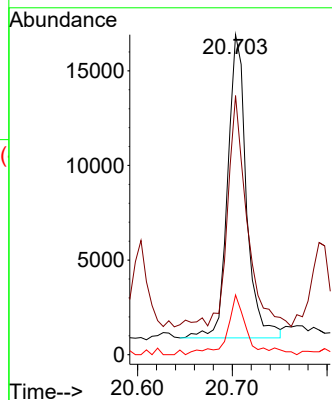
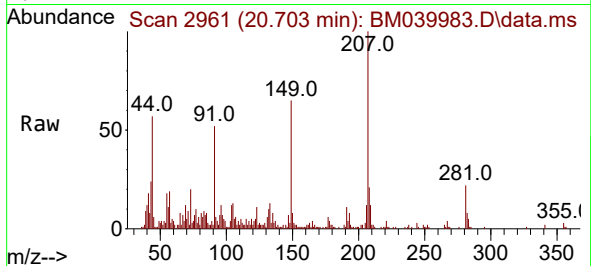
Tgt Ion:149 Resp: 22112

Ion Ratio Lower Upper

149 100

91 80.9 61.0 91.4

206 18.6 12.7 19.1



#83

Chrysene

Concen: 2.636 ng

RT: 21.609 min Scan# 3115

Delta R.T. 0.000 min

Lab File: BM039983.D

Acq: 24 May 2023 14:33

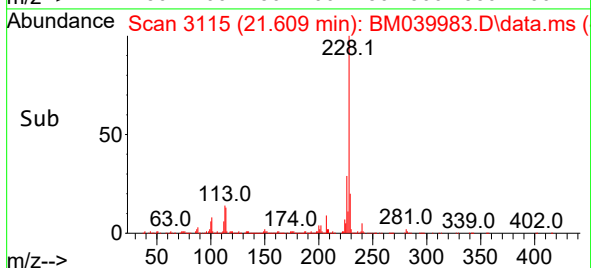
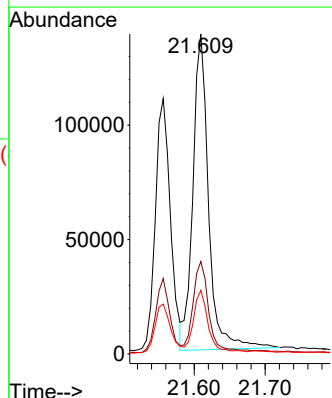
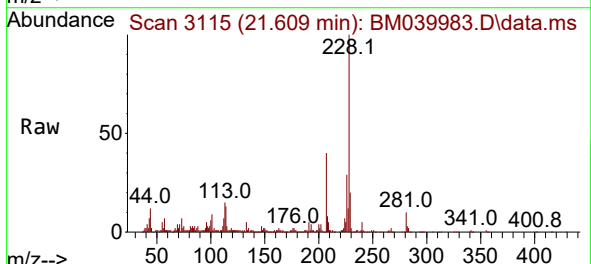
Tgt Ion:228 Resp: 212213

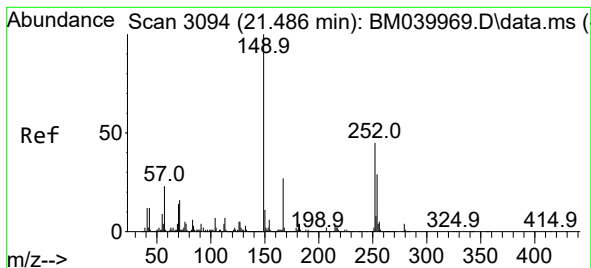
Ion Ratio Lower Upper

228 100

226 28.9 24.5 36.7

229 19.8 15.9 23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.652 ng

RT: 21.486 min Scan# 3094

Delta R.T. -0.000 min

Lab File: BM039983.D

Acq: 24 May 2023 14:33

Instrument :

BNA_M

ClientSampleId :

TP13

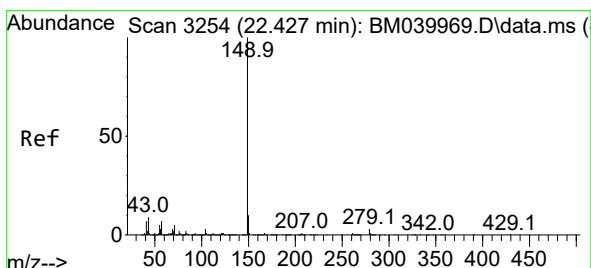
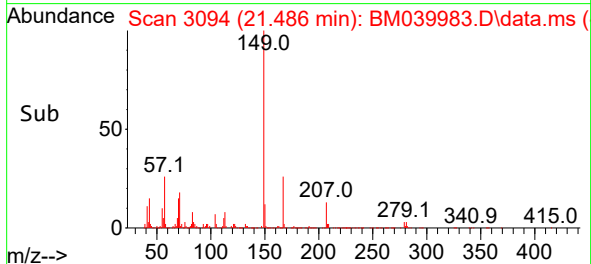
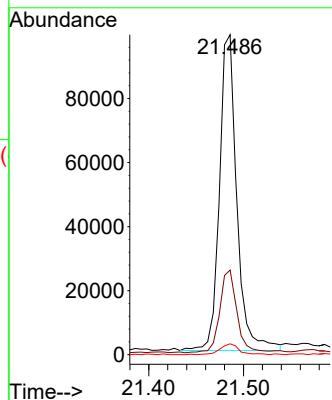
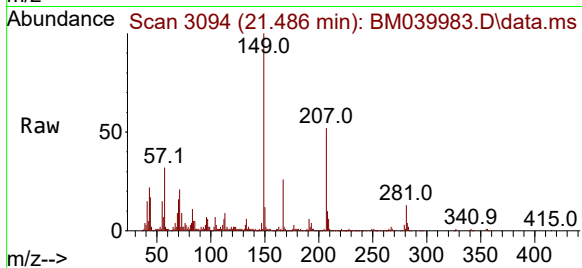
Tgt Ion:149 Resp: 126282

Ion Ratio Lower Upper

149 100

167 26.4 21.4 32.2

279 3.4 3.3 4.9



#85

Di-n-octyl phthalate

Concen: 7.960 ng

RT: 22.427 min Scan# 3254

Delta R.T. -0.000 min

Lab File: BM039983.D

Acq: 24 May 2023 14:33

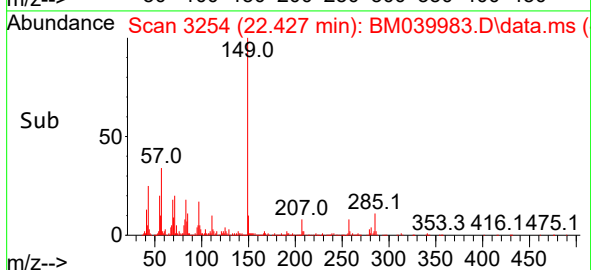
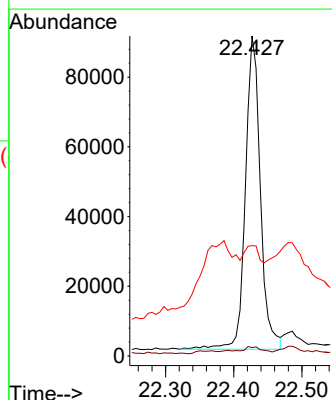
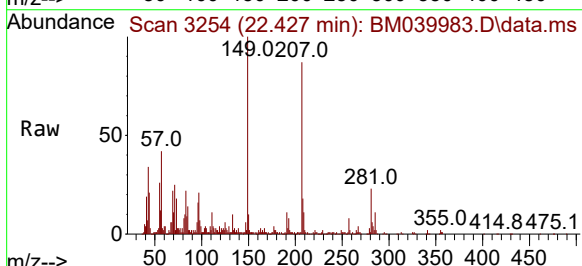
Tgt Ion:149 Resp: 136721

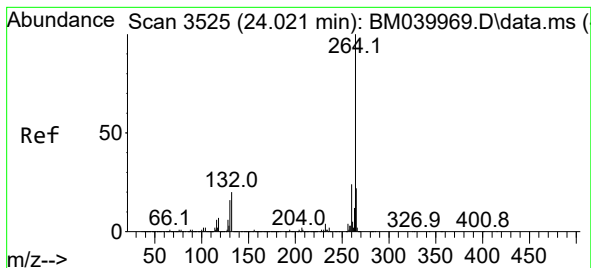
Ion Ratio Lower Upper

149 100

167 1.7 1.1 1.7#

43 0.0 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: BM039983.D

Acq: 24 May 2023 14:33

Instrument :

BNA_M

ClientSampleId :

TP13

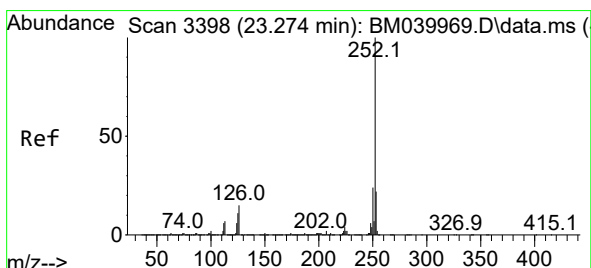
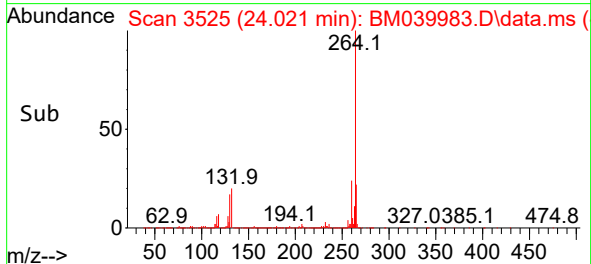
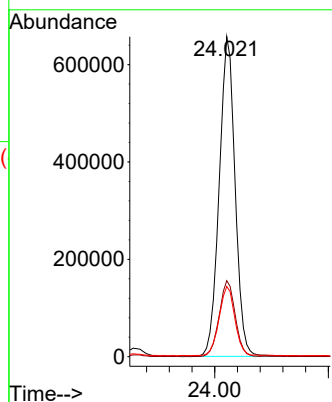
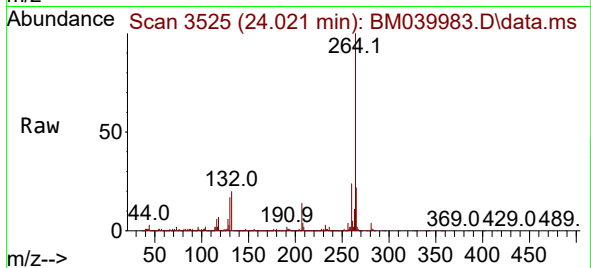
Tgt Ion:264 Resp: 1276425

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 22.0 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 2.096 ng

RT: 23.274 min Scan# 3398

Delta R.T. 0.000 min

Lab File: BM039983.D

Acq: 24 May 2023 14:33

Tgt Ion:252 Resp: 171316

Ion Ratio Lower Upper

252 100

253 21.3 17.6 26.4

125 13.9 8.9 13.3#

