

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039127.D
 Acq On : 23 Mar 2023 21:58
 Operator : CG/JU
 Sample : 02020-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-1

Quant Time: Mar 24 04:34:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

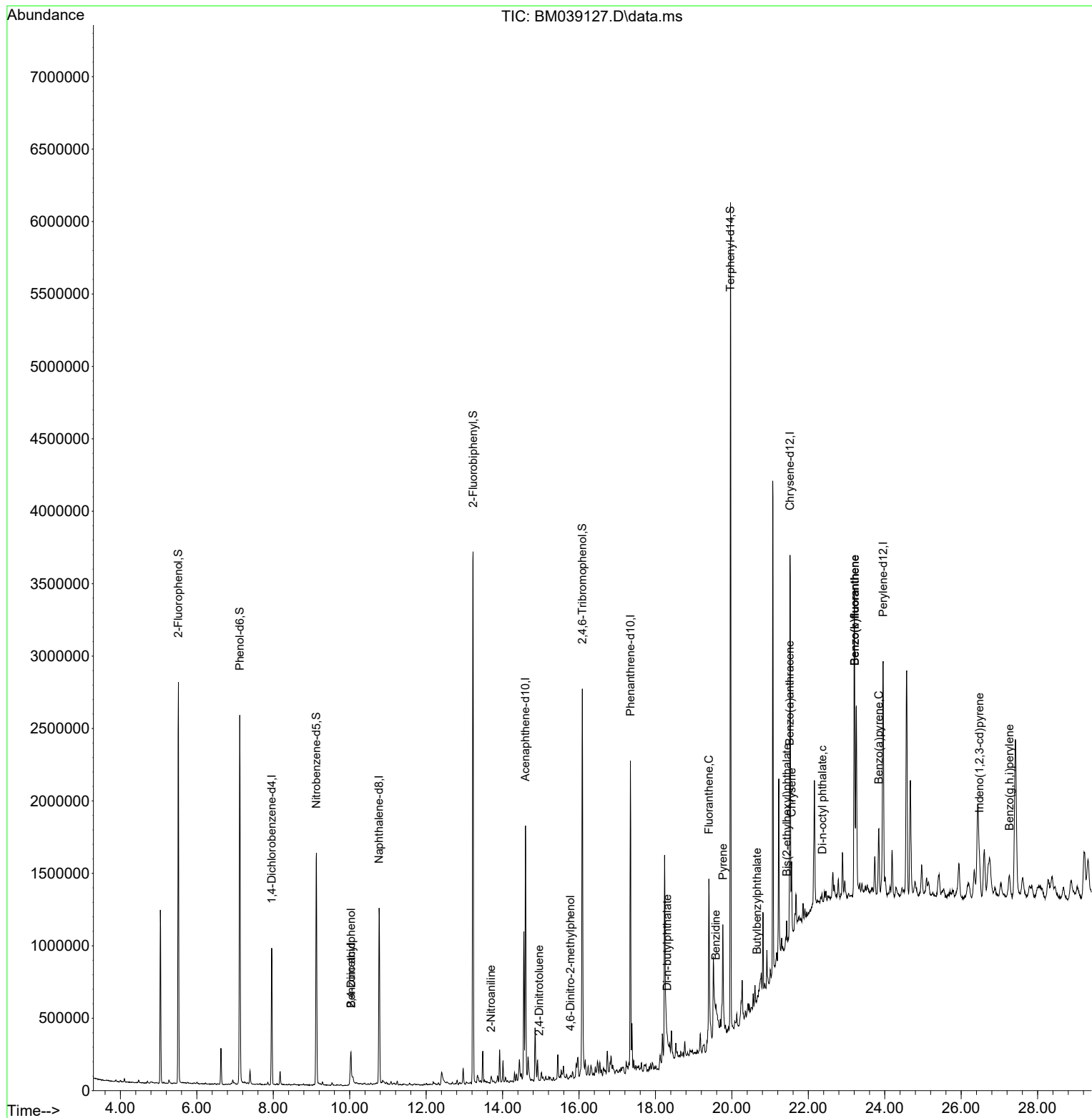
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	252054	20.000	ng	-0.01
21) Naphthalene-d8	10.769	136	1022423	20.000	ng	-0.01
39) Acenaphthene-d10	14.598	164	595011	20.000	ng	-0.01
64) Phenanthrene-d10	17.345	188	1237472	20.000	ng	0.00
76) Chrysene-d12	21.521	240	1108724	20.000	ng	-0.01
86) Perylene-d12	23.956	264	1212399	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1193951	71.967	ng	0.00
7) Phenol-d6	7.122	99	1520557	70.562	ng	0.00
23) Nitrobenzene-d5	9.128	82	942439	45.278	ng	-0.01
42) 2,4,6-Tribromophenol	16.086	330	492956	71.616	ng	-0.01
45) 2-Fluorobiphenyl	13.228	172	1932210	42.274	ng	0.00
79) Terphenyl-d14	19.962	244	2621644	43.232	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	10.034	122	145466	8.716	ng	# 5
32) Benzoic acid	10.034	122	145466	16.193	ng	97
48) 2-Nitroaniline	13.698	65	1218	2.311	ng	# 47
57) 2,4-Dinitrotoluene	14.957	165	126	2.080	ng	# 46
65) 4,6-Dinitro-2-methylph...	15.774	198	57	5.095	ng	# 1
74) Di-n-butylphthalate	18.310	149	17519	2.008	ng	# 93
75) Fluoranthene	19.398	202	499726	6.517	ng	98
77) Benzidine	19.580	184	1214	4.919	ng	# 1
78) Pyrene	19.762	202	420773	5.053	ng	98
80) Butylbenzylphthalate	20.657	149	6066	3.475	ng	# 68
81) Benzo(a)anthracene	21.509	228	196353	2.459	ng	97
83) Chrysene	21.562	228	286655	3.691	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	57421	3.549	ng	99
85) Di-n-octyl phthalate	22.368	149	4907	3.850	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.480	276	210578	2.283	ng	97
88) Benzo(b)fluoranthene	23.215	252	420265	5.426	ng	# 93
89) Benzo(k)fluoranthene	23.215	252	420265	5.214	ng	# 93
90) Benzo(a)pyrene	23.845	252	237358	3.184	ng	# 94
92) Benzo(g,h,i)perylene	27.262	276	213854	2.798	ng	97

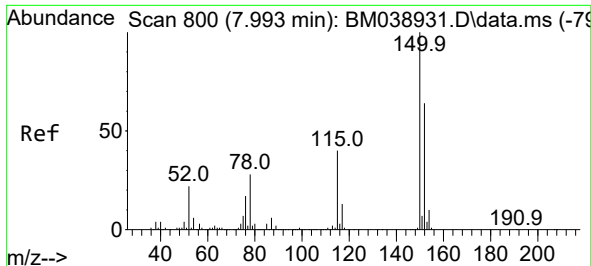
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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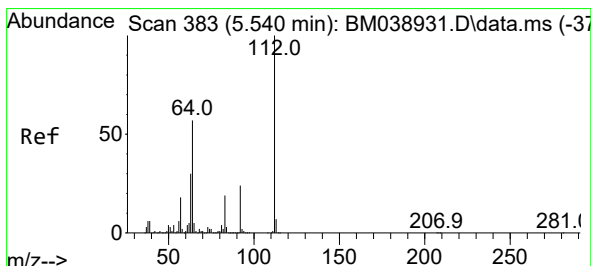
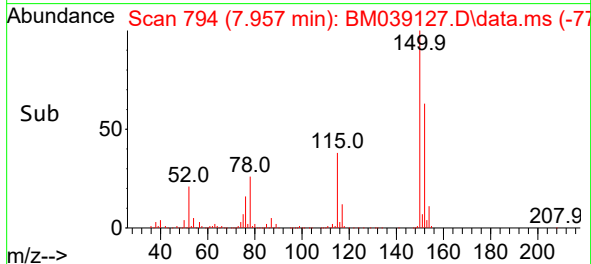
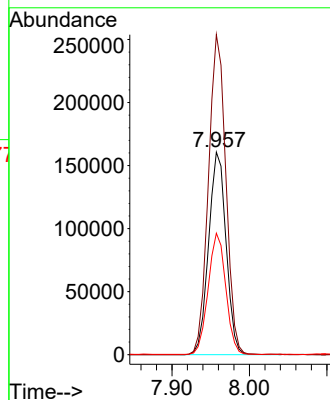
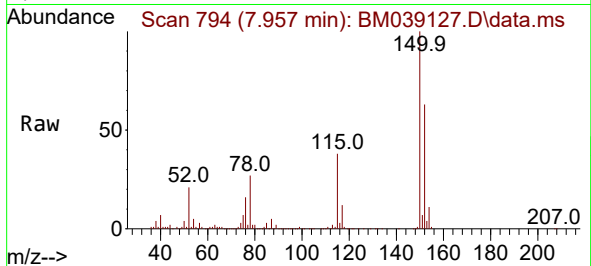




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

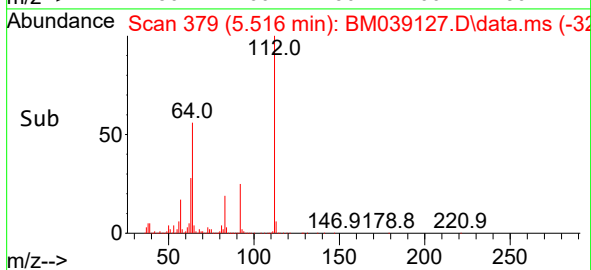
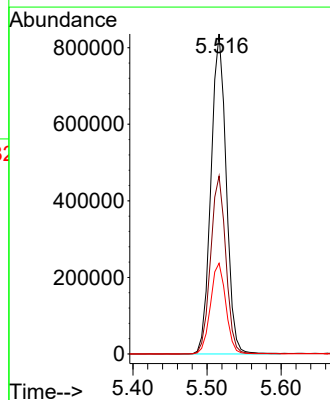
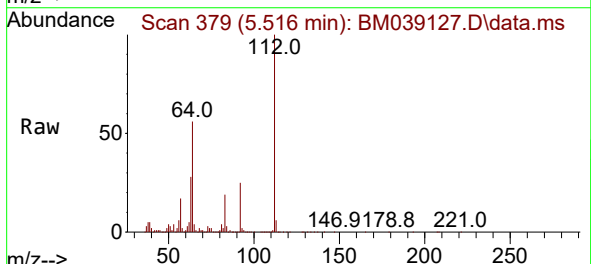
Instrument :
BNA_M
ClientSampleId :
SP-1

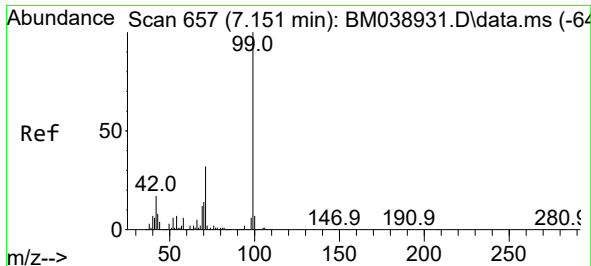
Tgt Ion:152 Resp: 252054
Ion Ratio Lower Upper
152 100
150 157.9 125.1 187.7
115 59.9 49.6 74.4



#5
2-Fluorophenol
Concen: 71.967 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion:112 Resp: 1193951
Ion Ratio Lower Upper
112 100
64 55.6 45.9 68.9
63 28.3 23.8 35.8

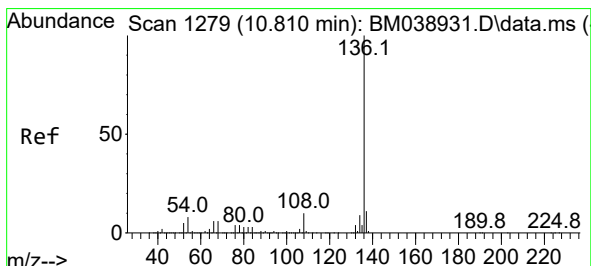
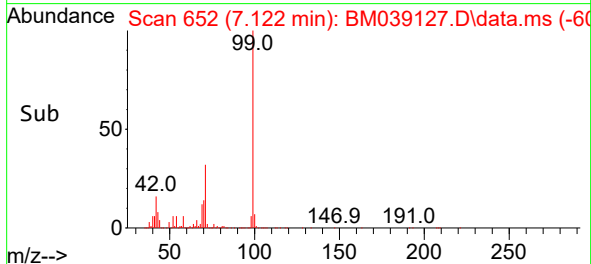
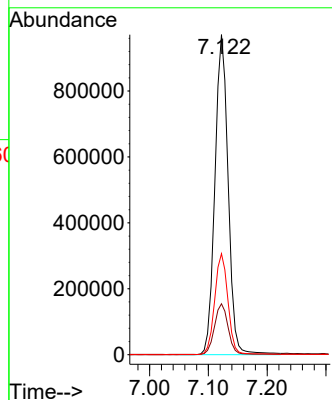
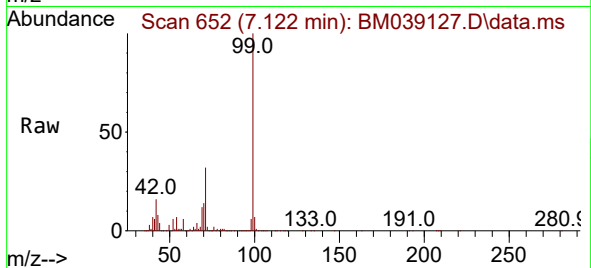




#7
Phenol-d6
Concen: 70.562 ng
RT: 7.122 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

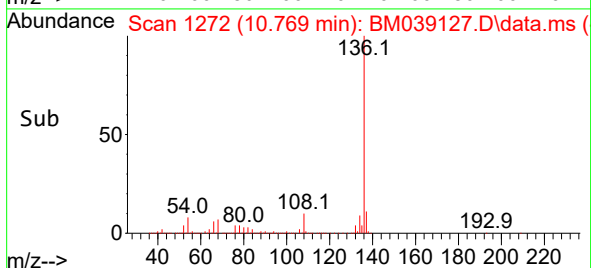
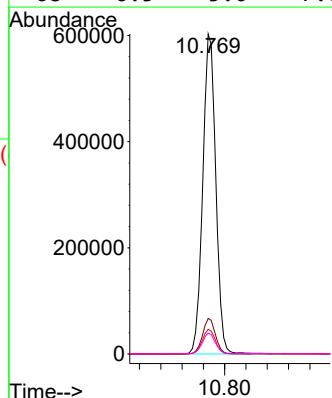
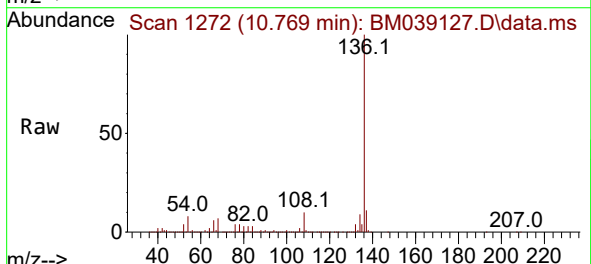
Instrument :
BNA_M
ClientSampleId :
SP-1

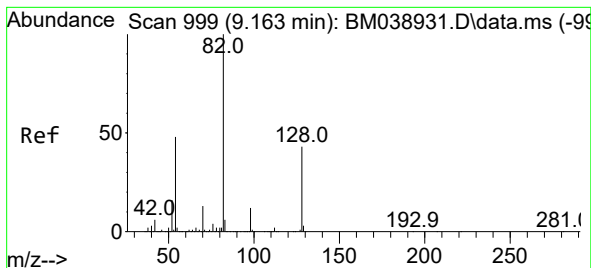
Tgt Ion: 99 Resp: 1520557
Ion Ratio Lower Upper
99 100
42 15.9 13.5 20.3
71 31.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.769 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion: 136 Resp: 1022423
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.7 6.3 9.5
68 6.5 5.0 7.6

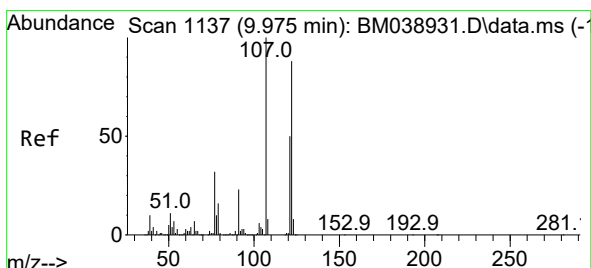
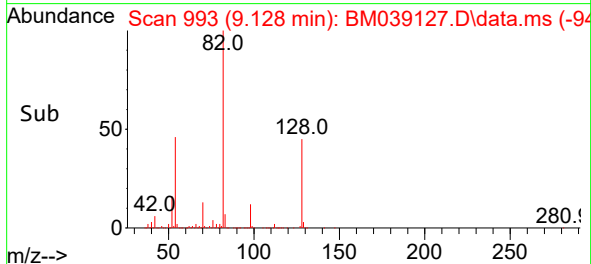
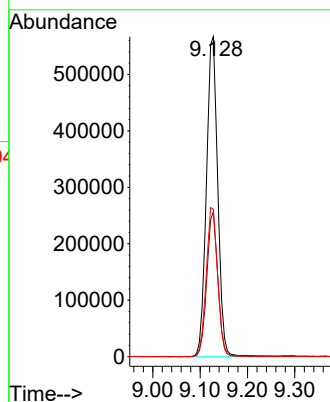
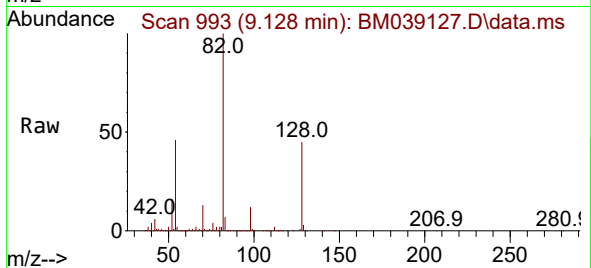




#23
Nitrobenzene-d5
Concen: 45.278 ng
RT: 9.128 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

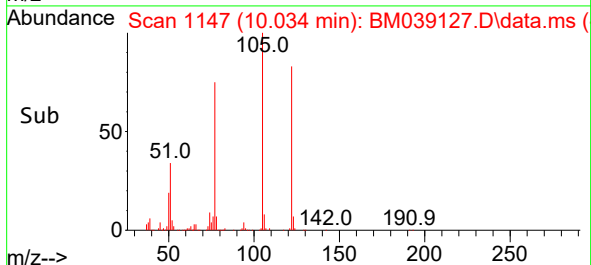
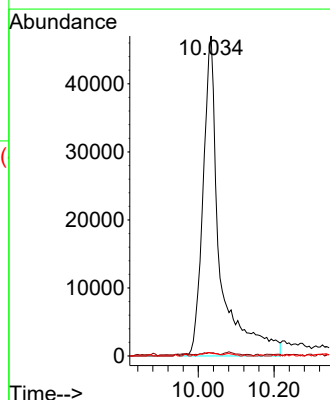
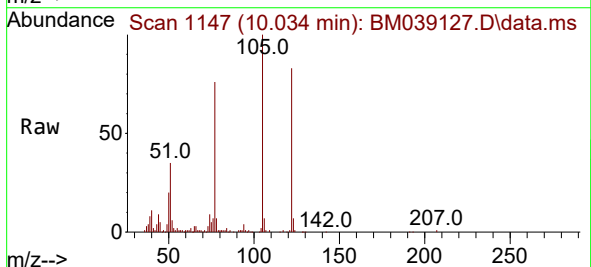
Instrument :
BNA_M
ClientSampleId :
SP-1

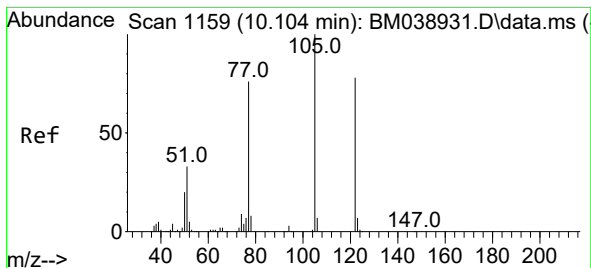
Tgt Ion: 82 Resp: 942439
Ion Ratio Lower Upper
82 100
128 45.3 34.4 51.6
54 46.1 38.8 58.2



#27
2,4-Dimethylphenol
Concen: 8.716 ng
RT: 10.034 min Scan# 1147
Delta R.T. 0.083 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion: 122 Resp: 145466
Ion Ratio Lower Upper
122 100
107 0.9 91.0 136.4#
121 0.9 45.1 67.7#





#32

Benzoic acid

Concen: 16.193 ng

RT: 10.034 min Scan# 1159

Delta R.T. -0.053 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

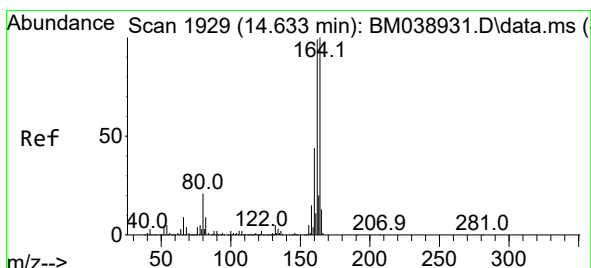
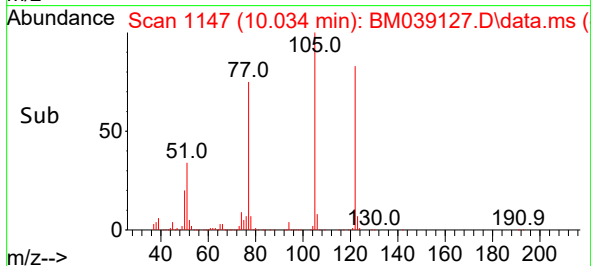
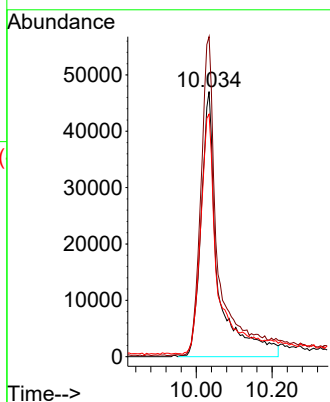
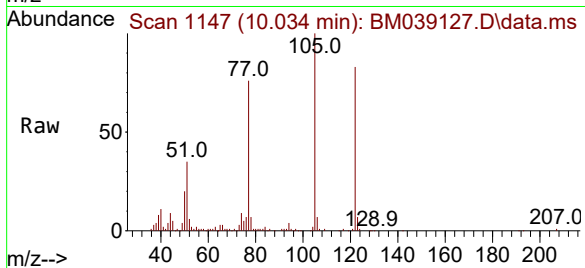
Tgt Ion:122 Resp: 145466

Ion Ratio Lower Upper

122 100

105 120.7 104.2 144.2

77 91.5 75.1 115.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.598 min Scan# 1923

Delta R.T. -0.012 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

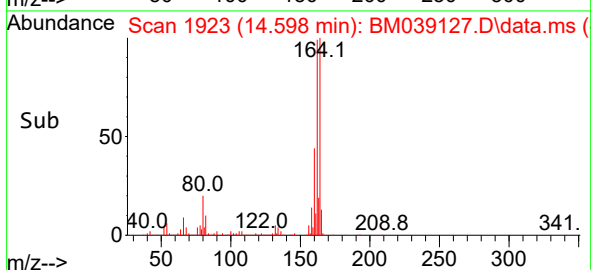
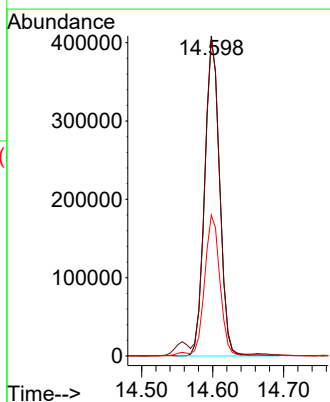
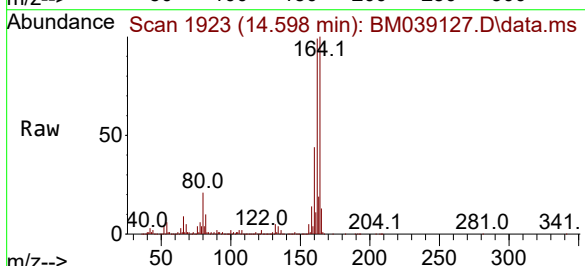
Tgt Ion:164 Resp: 595011

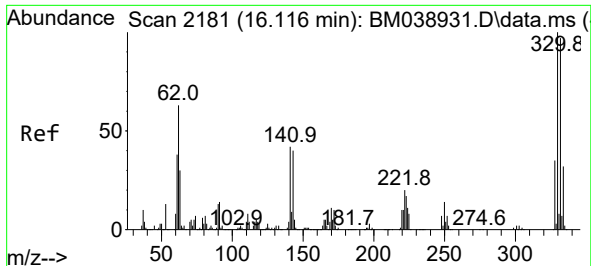
Ion Ratio Lower Upper

164 100

162 98.8 79.2 118.8

160 44.0 35.5 53.3

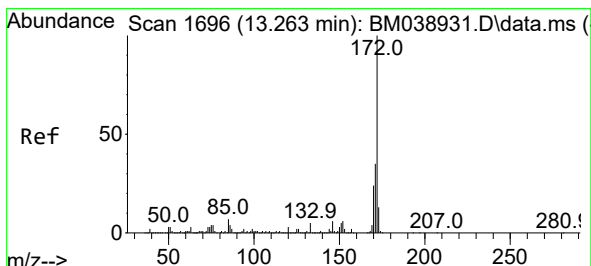
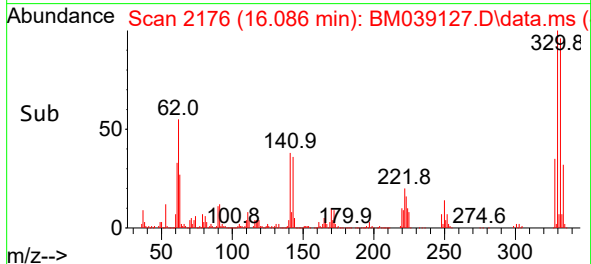
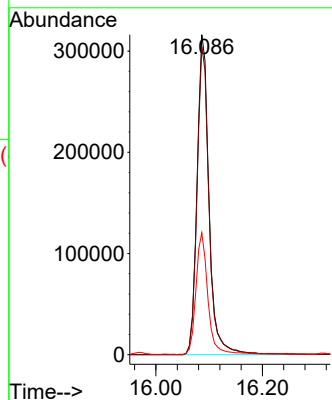
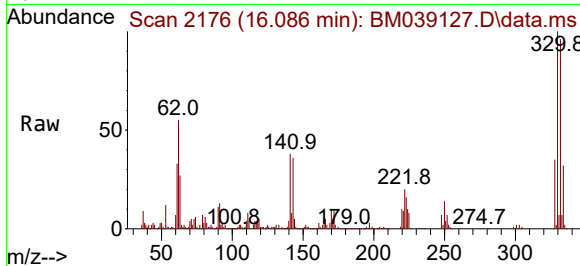




#42
2,4,6-Tribromophenol
Concen: 71.616 ng
RT: 16.086 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

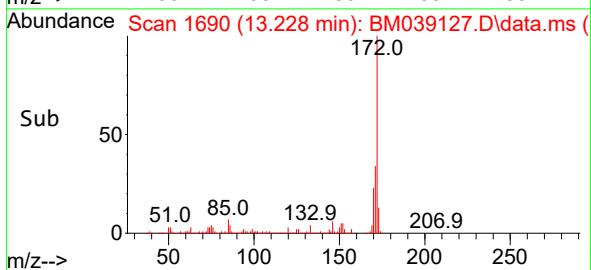
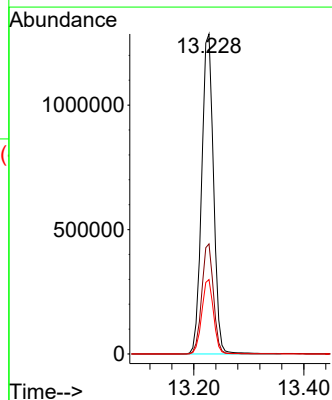
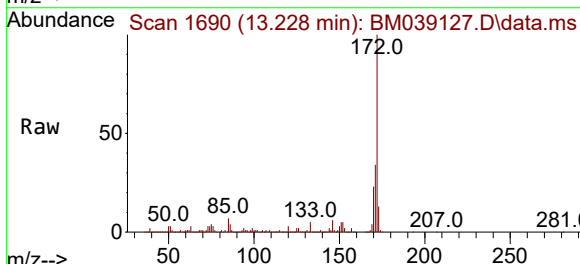
Instrument :
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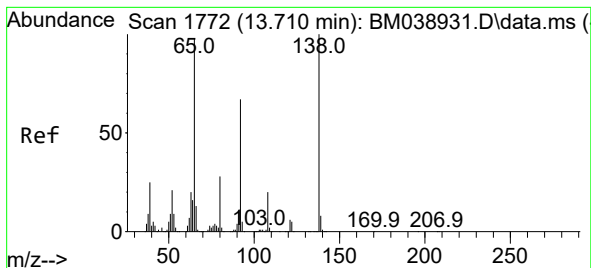
Tgt Ion:330 Resp: 492956
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 37.9 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 42.274 ng
RT: 13.228 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion:172 Resp: 1932210
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 23.3 19.1 28.7





#48

2-Nitroaniline

Concen: 2.311 ng

RT: 13.698 min Scan# 11

Delta R.T. 0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

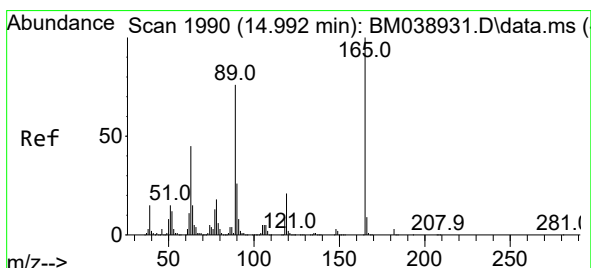
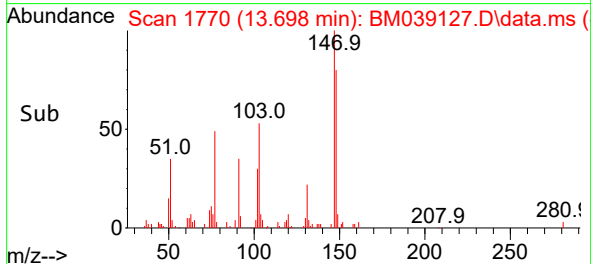
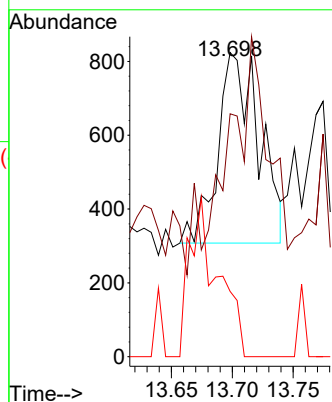
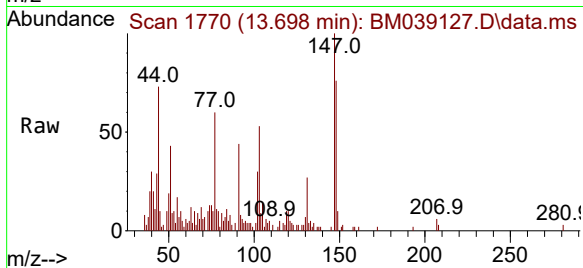
Tgt Ion: 65 Resp: 1218

Ion Ratio Lower Upper

65 100

92 79.9 54.9 82.3

138 21.5 81.6 122.4#



#57

2,4-Dinitrotoluene

Concen: 2.080 ng

RT: 14.957 min Scan# 1984

Delta R.T. -0.012 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Tgt Ion:165 Resp: 126

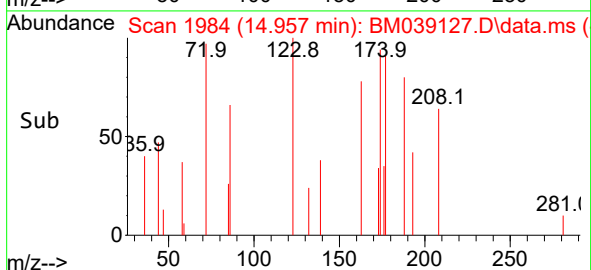
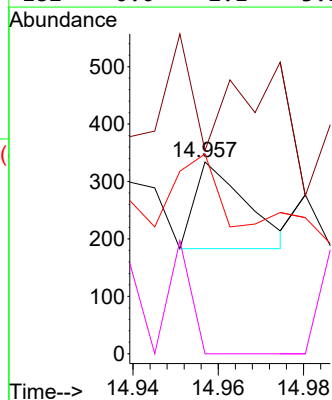
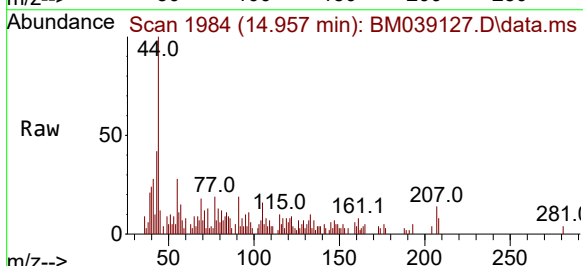
Ion Ratio Lower Upper

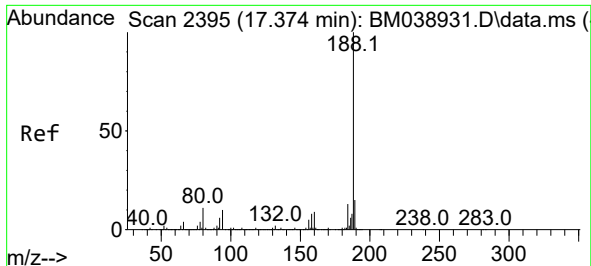
165 100

63 106.0 35.9 53.9#

89 104.2 61.0 91.6#

182 0.0 2.1 3.1#

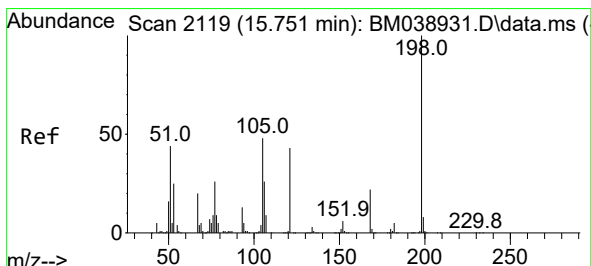
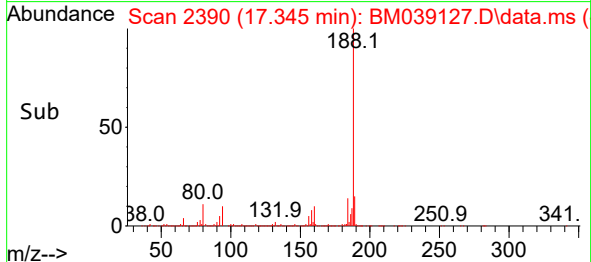
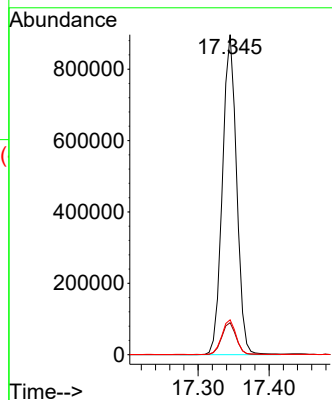
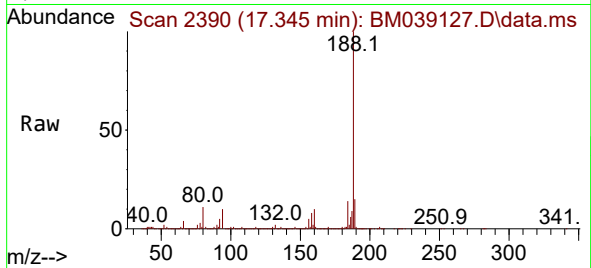




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

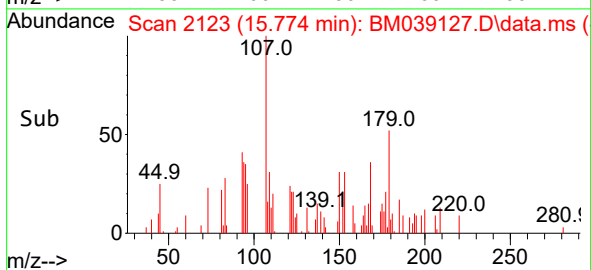
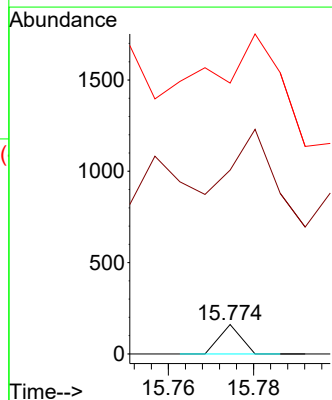
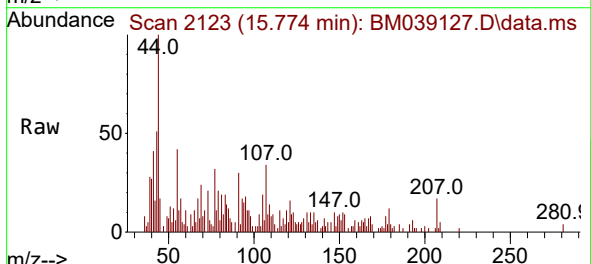
Instrument :
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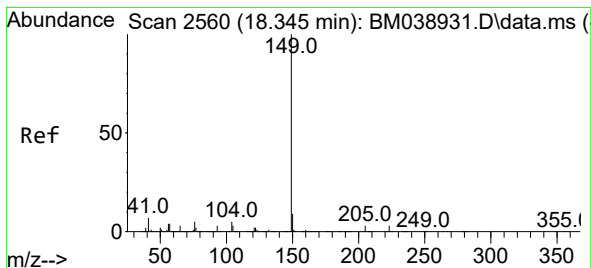
Tgt Ion:188 Resp: 1237472
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.9 8.5 12.7



#65
4,6-Dinitro-2-methylphenol
Concen: 5.095 ng
RT: 15.774 min Scan# 2123
Delta R.T. 0.041 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion:198 Resp: 57
Ion Ratio Lower Upper
198 100
51 624.8 30.1 70.1#
105 921.1 29.3 69.3#





#74

Di-n-butylphthalate

Concen: 2.008 ng

RT: 18.310 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

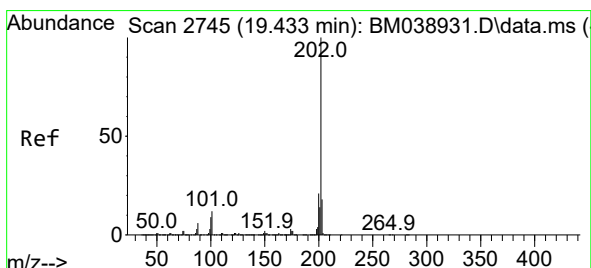
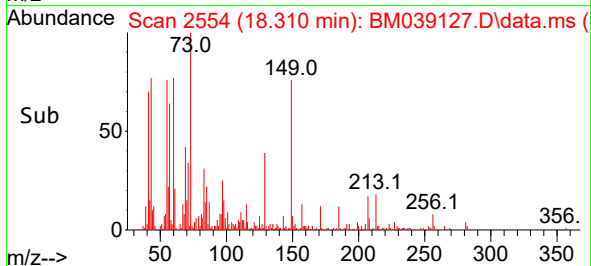
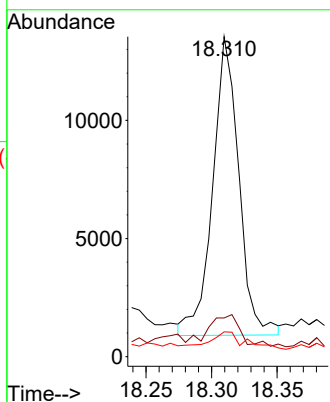
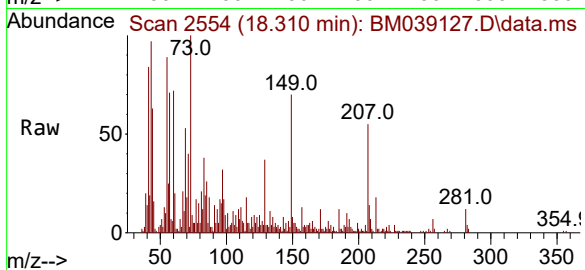
Tgt Ion:149 Resp: 17519

Ion Ratio Lower Upper

149 100

150 12.1 7.4 11.2#

104 7.7 4.3 6.5#



#75

Fluoranthene

Concen: 6.517 ng

RT: 19.398 min Scan# 2739

Delta R.T. -0.012 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

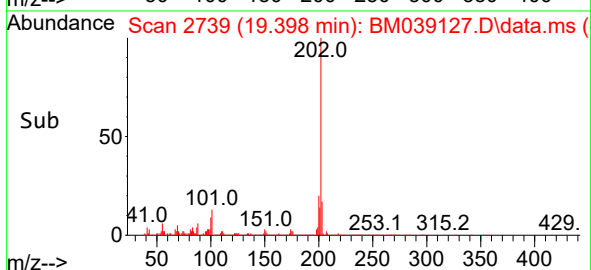
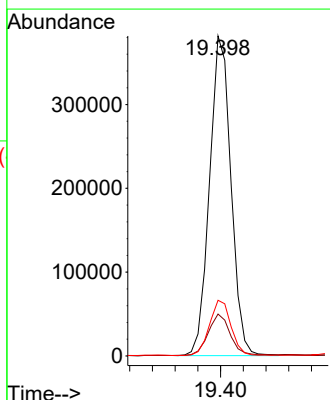
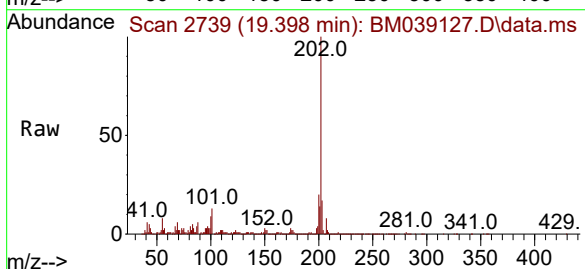
Tgt Ion:202 Resp: 499726

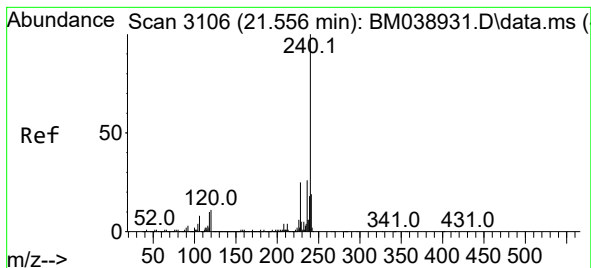
Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.7

203 17.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

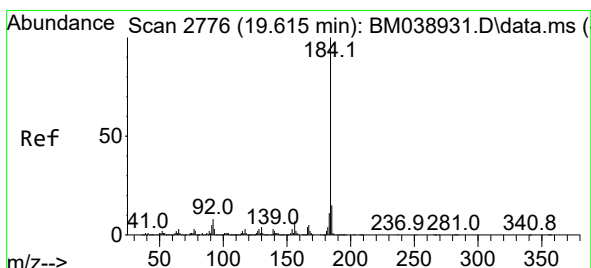
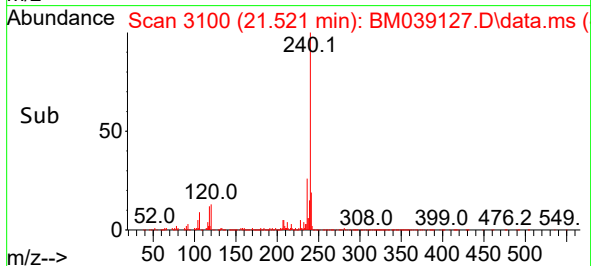
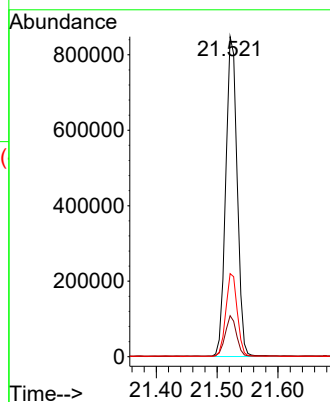
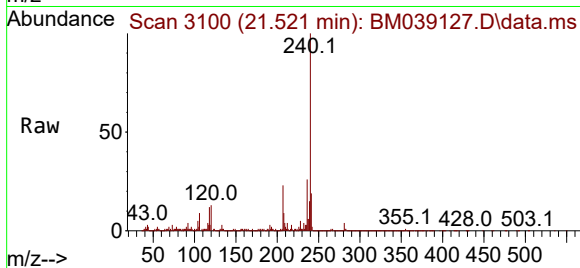
Tgt Ion:240 Resp: 1108724

Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

236 25.9 20.8 31.2



#77

Benzidine

Concen: 4.919 ng

RT: 19.580 min Scan# 2770

Delta R.T. -0.012 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

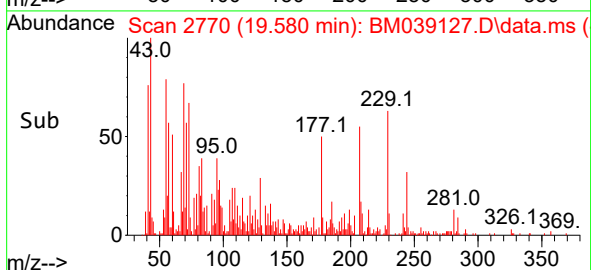
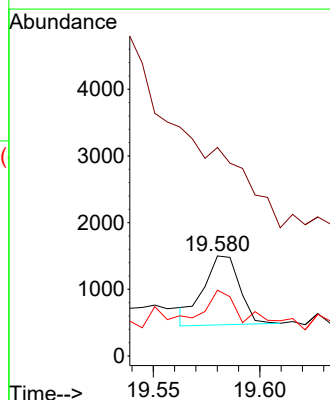
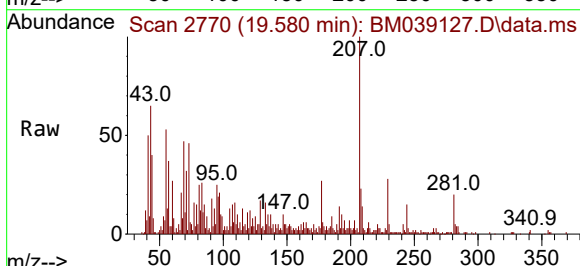
Tgt Ion:184 Resp: 1214

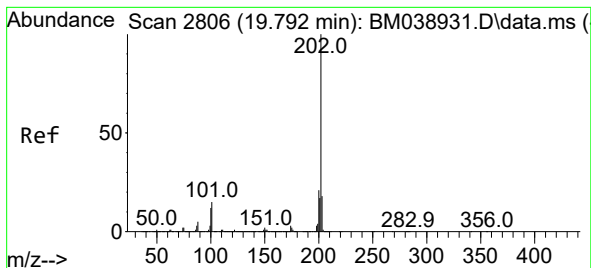
Ion Ratio Lower Upper

184 100

185 208.4 12.2 18.4#

183 65.7 8.8 13.2#





#78

Pyrene

Concen: 5.053 ng

RT: 19.762 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

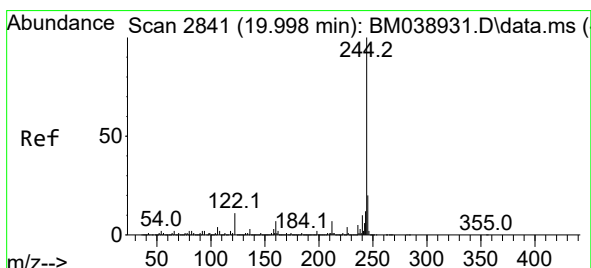
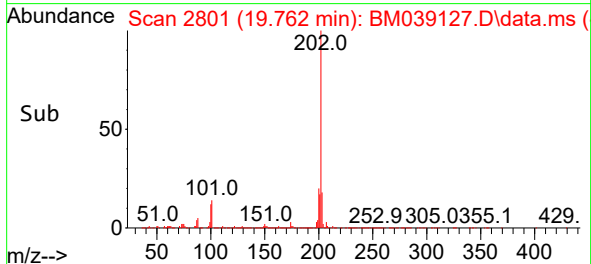
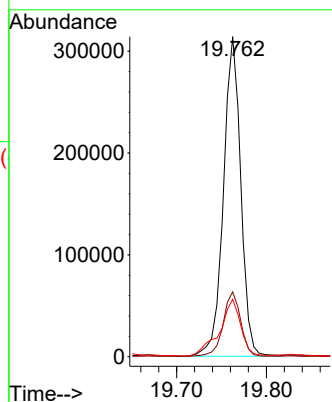
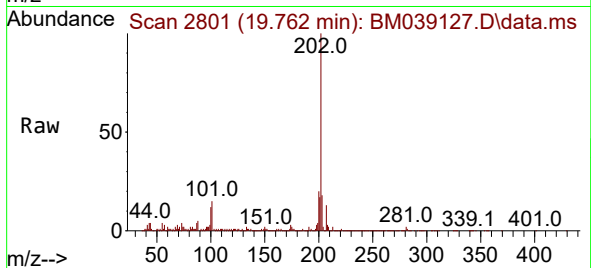
Tgt Ion:202 Resp: 420773

Ion Ratio Lower Upper

202 100

200 20.3 17.1 25.7

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 43.232 ng

RT: 19.962 min Scan# 2835

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

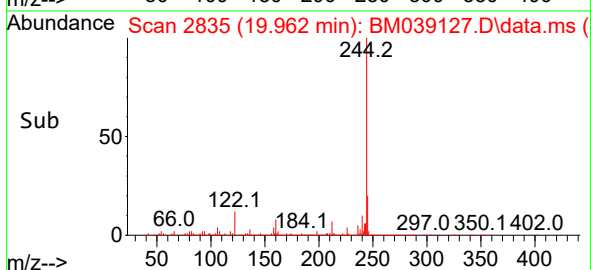
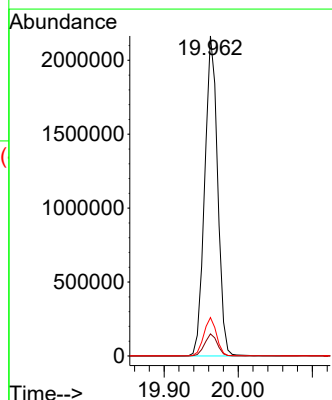
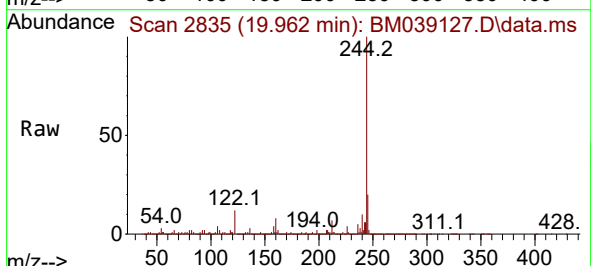
Tgt Ion:244 Resp: 2621644

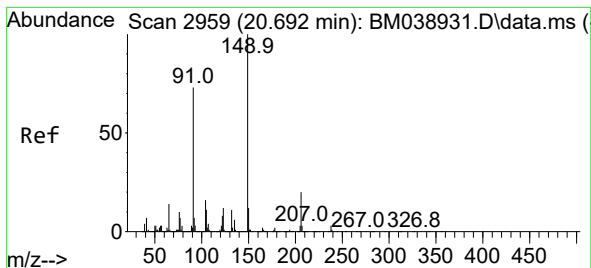
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 12.0 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.475 ng

RT: 20.657 min Scan# 2953

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

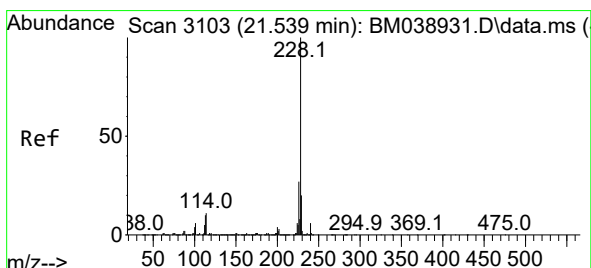
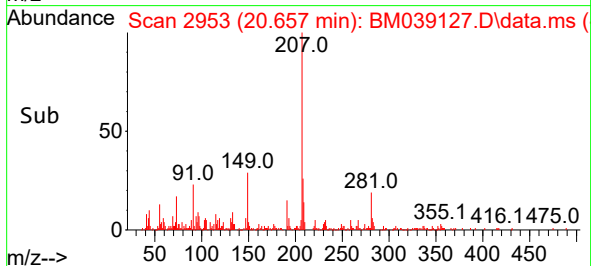
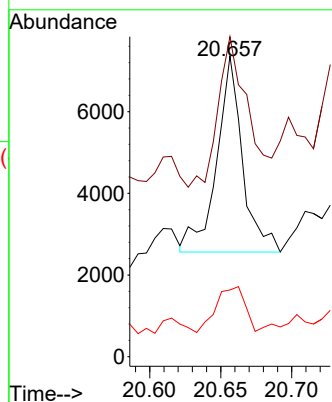
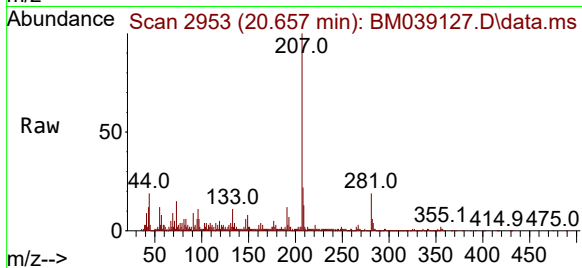
Tgt Ion:149 Resp: 6066

Ion Ratio Lower Upper

149 100

91 106.4 58.4 87.6#

206 22.2 16.1 24.1



#81

Benzo(a)anthracene

Concen: 2.459 ng

RT: 21.509 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

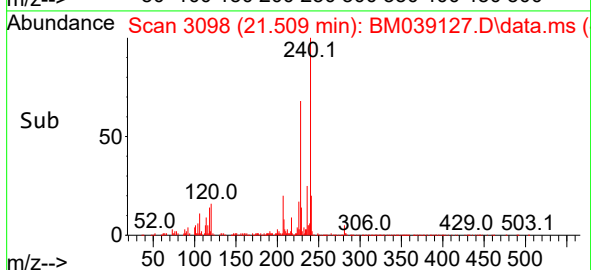
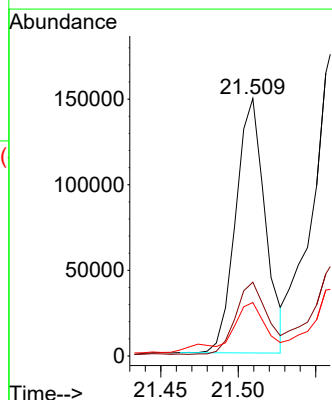
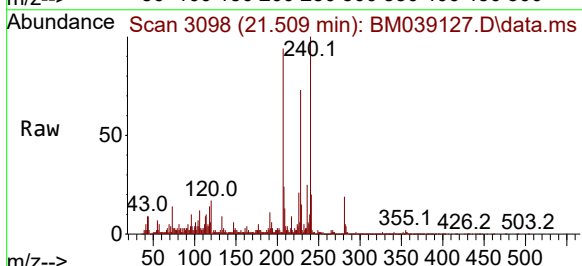
Tgt Ion:228 Resp: 196353

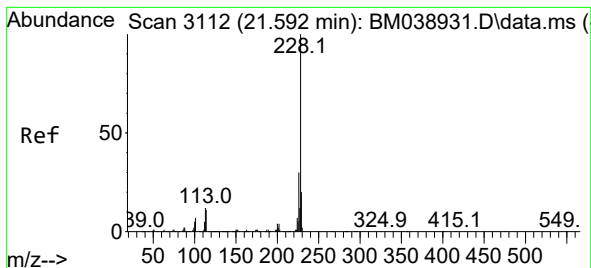
Ion Ratio Lower Upper

228 100

226 28.7 21.4 32.2

229 20.7 15.7 23.5





#83

Chrysene

Concen: 3.691 ng

RT: 21.562 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

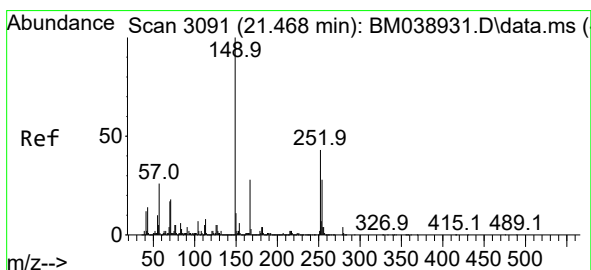
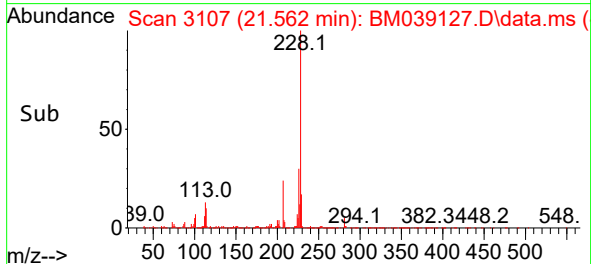
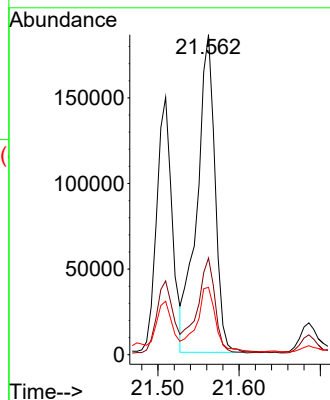
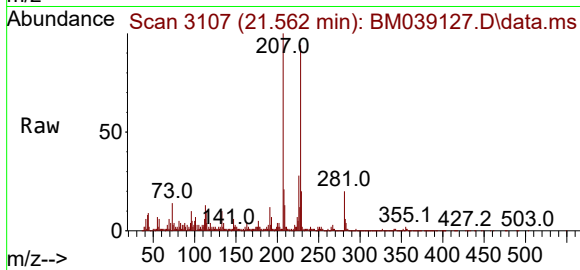
Tgt Ion:228 Resp: 286655

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 21.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.549 ng

RT: 21.433 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

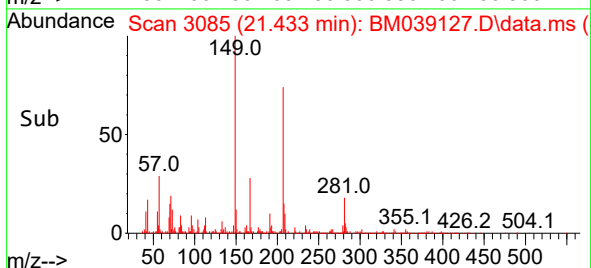
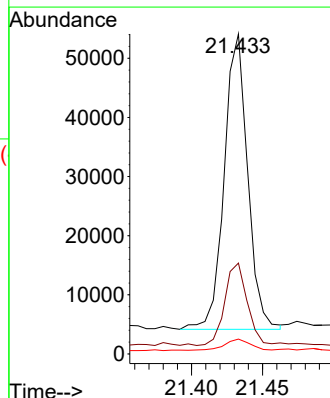
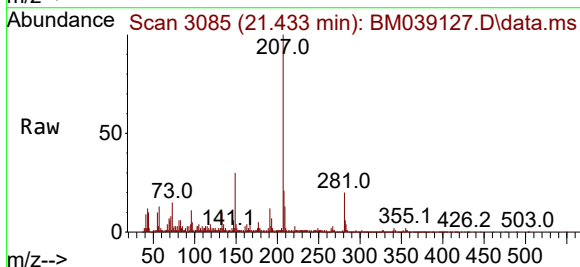
Tgt Ion:149 Resp: 57421

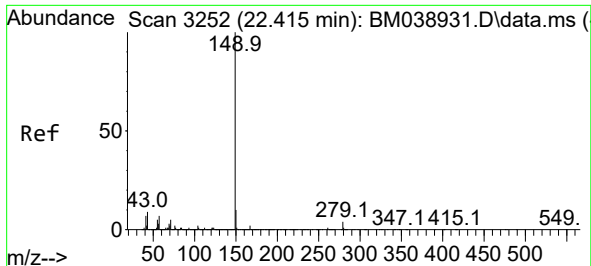
Ion Ratio Lower Upper

149 100

167 28.4 22.3 33.5

279 4.7 3.2 4.8

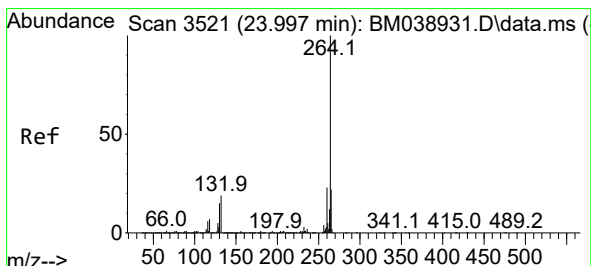
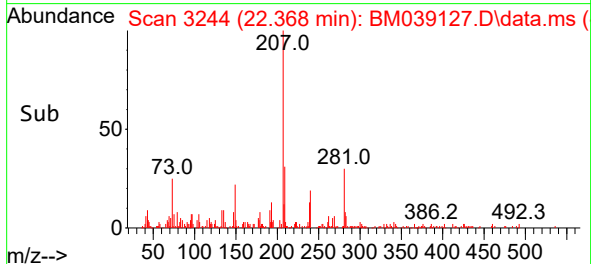
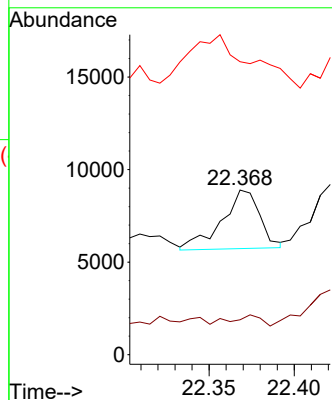
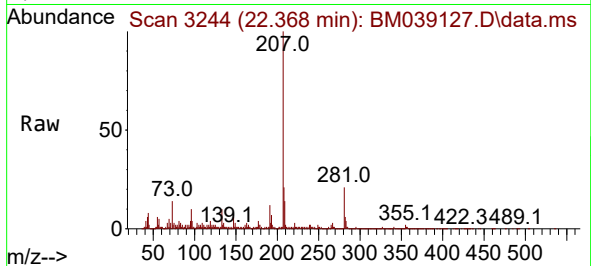




#85
Di-n-octyl phthalate
Concen: 3.850 ng
RT: 22.368 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

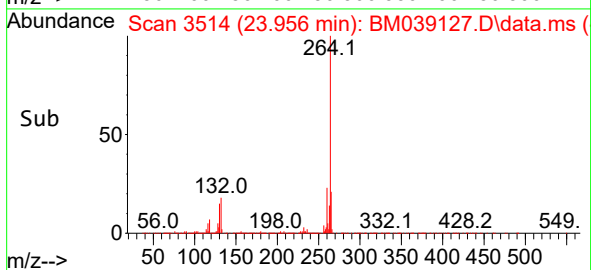
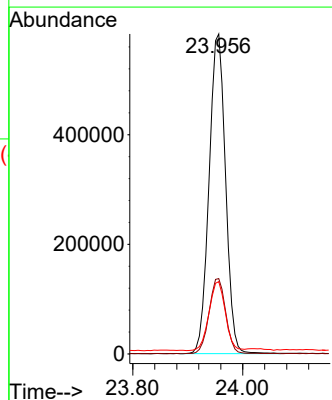
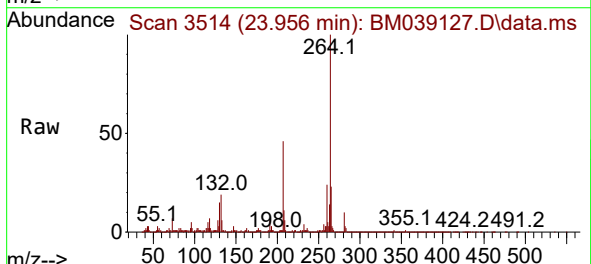
Instrument :
BNA_M
ClientSampleId :
SP-1

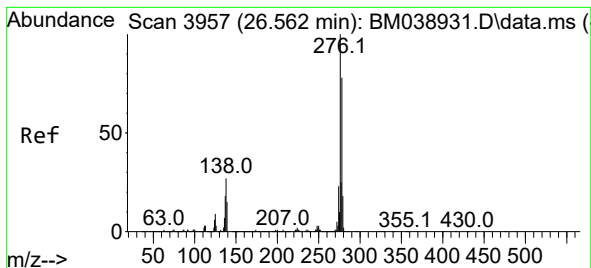
Tgt Ion:149 Resp: 4907
Ion Ratio Lower Upper
149 100
167 9.9 1.2 1.8#
43 149.7 7.4 11.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.956 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion:264 Resp: 1212399
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 22.6 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.283 ng

RT: 26.480 min Scan# 3943

Delta R.T. -0.017 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

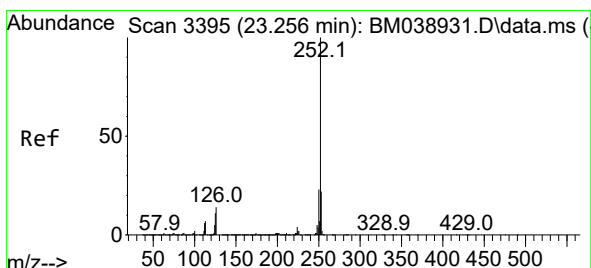
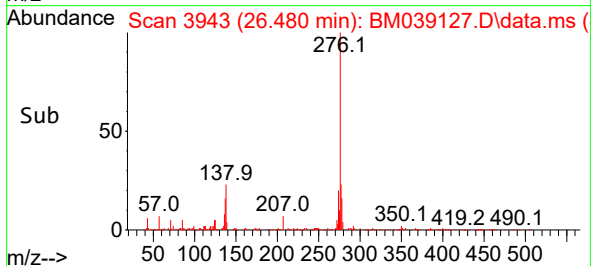
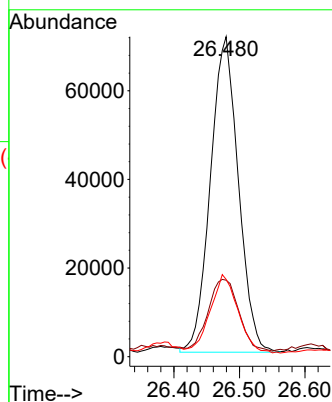
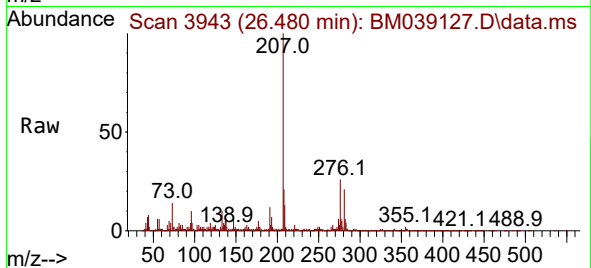
Tgt Ion:276 Resp: 210578

Ion Ratio Lower Upper

276 100

138 24.8 22.1 33.1

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 5.426 ng

RT: 23.215 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

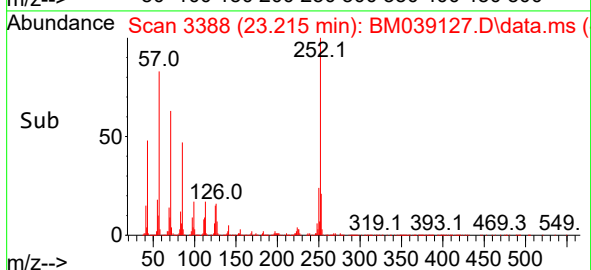
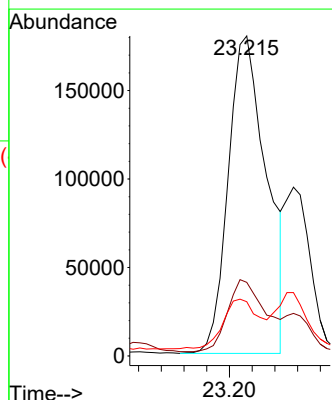
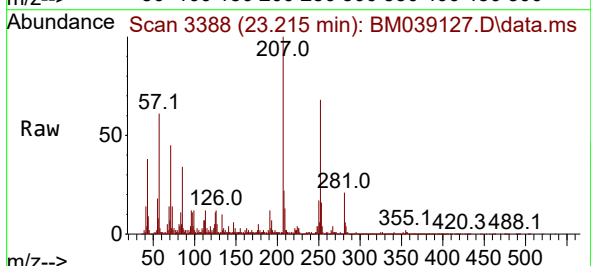
Tgt Ion:252 Resp: 420265

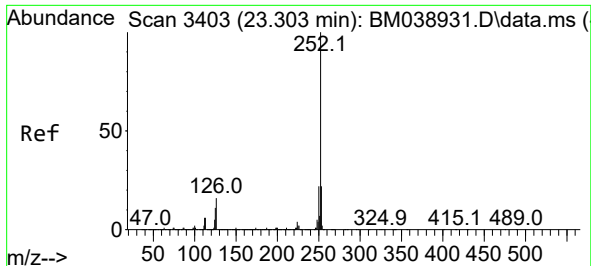
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 17.0 8.8 13.2#

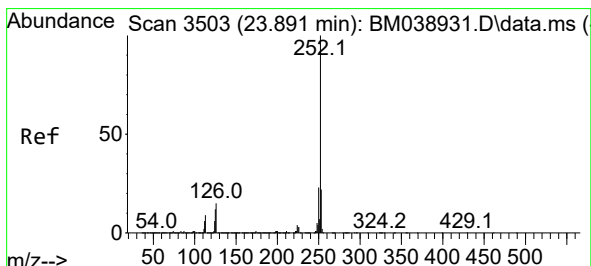
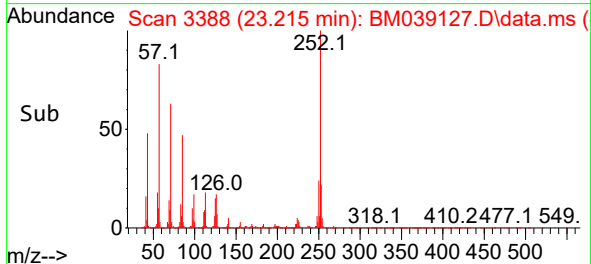
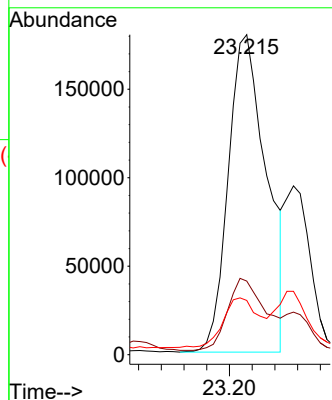
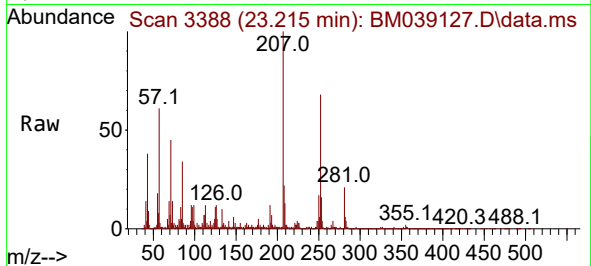




#89
Benzo(k)fluoranthene
Concen: 5.214 ng
RT: 23.215 min Scan# 31
Delta R.T. -0.053 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

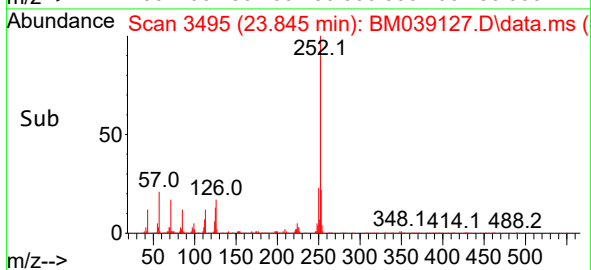
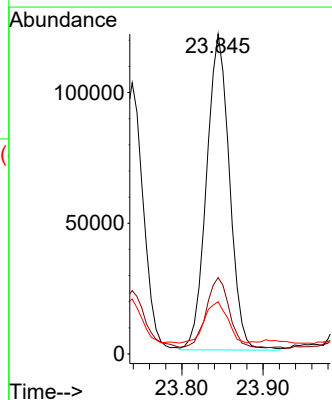
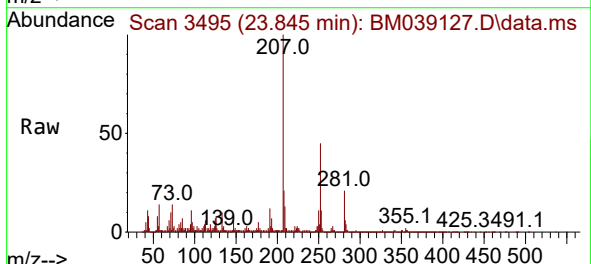
Instrument :
BNA_M
ClientSampleId :
SP-1

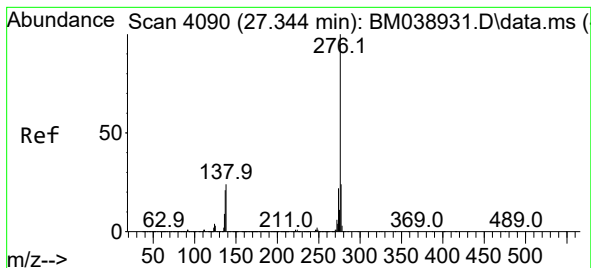
Tgt Ion:252 Resp: 420265
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 17.0 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 3.184 ng
RT: 23.845 min Scan# 3495
Delta R.T. -0.012 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion:252 Resp: 237358
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 16.3 9.8 14.8#





#92

Benzo(g,h,i)perylene

Concen: 2.798 ng

RT: 27.262 min Scan# 40

Delta R.T. -0.012 min

Lab File: BM039127.D

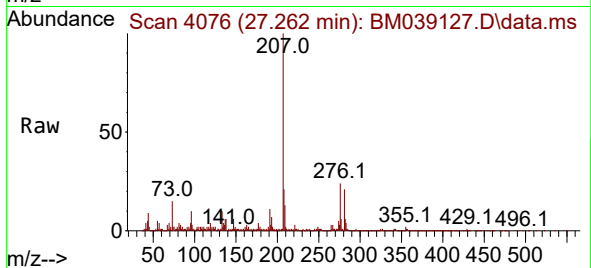
Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1



Tgt Ion:276 Resp: 213854

Ion Ratio Lower Upper

276 100

277 25.1 19.3 28.9

138 26.1 19.0 28.6

