

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039559.D
 Acq On : 21 Apr 2023 19:51
 Operator : CG/JU
 Sample : 02390-12RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SPC-3WC-23-04-17RE

Quant Time: Apr 22 01:46:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 21 12:46:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

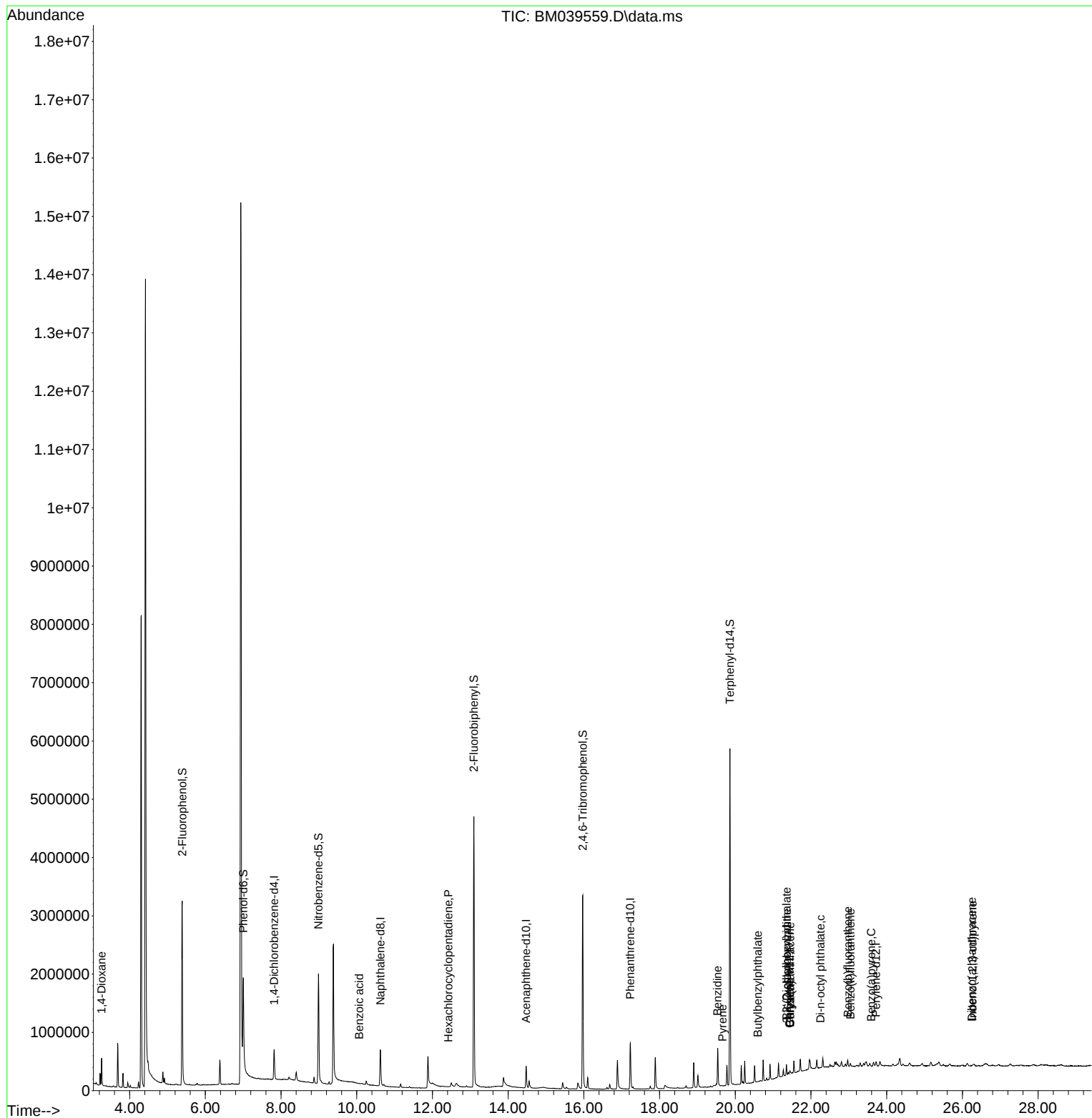
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.819	152	143417	20.000	ng	0.00
21) Naphthalene-d8	10.625	136	550410	20.000	ng	0.00
39) Acenaphthene-d10	14.472	164	102088	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	397959	20.000	ng	0.00
76) Chrysene-d12	21.430	240	1208	20.000	ng	# 0.00
86) Perylene-d12	23.718	264	57	20.000	ng	#-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	1363072	155.283	ng	0.00
7) Phenol-d6	7.001	99	737208	57.146	ng	0.00
23) Nitrobenzene-d5	8.989	82	1162312	103.412	ng	0.00
42) 2,4,6-Tribromophenol	15.971	330	591418	446.440	ng	0.00
45) 2-Fluorobiphenyl	13.095	172	2343384	317.607	ng	0.00
79) Terphenyl-d14	19.859	244	1407979	21026.847	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.260	88	15478	4.268	ng	# 1
32) Benzoic acid	10.066	122	145	6.011	ng	# 1
41) Hexachlorocyclopentadiene	12.419	237	54	4.604	ng	# 26
77) Benzidine	19.530	184	127	4.640	ng	# 1
78) Pyrene	19.665	202	397	4.469	ng	# 18
80) Butylbenzylphthalate	20.595	149	269	6.106	ng	94
81) Benzo(a)anthracene	21.453	228	3856	44.949	ng	# 1
82) 3,3'-Dichlorobenzidine	21.359	252	798	28.181	ng	# 84
83) Chrysene	21.453	228	3856	46.374	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.353	149	2658	39.582	ng	# 62
85) Di-n-octyl phthalate	22.253	149	917	7.941	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.265	276	56	13.370	ng	# 1
88) Benzo(b)fluoranthene	22.977	252	593	170.630	ng	# 1
89) Benzo(k)fluoranthene	23.047	252	222	61.100	ng	# 1
90) Benzo(a)pyrene	23.594	252	284	82.223	ng	# 1
91) Dibenzo(a,h)anthracene	26.247	278	111	31.883	ng	# 1

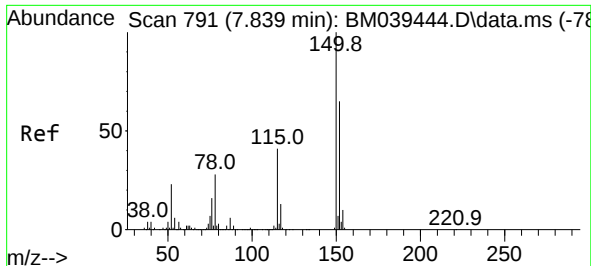
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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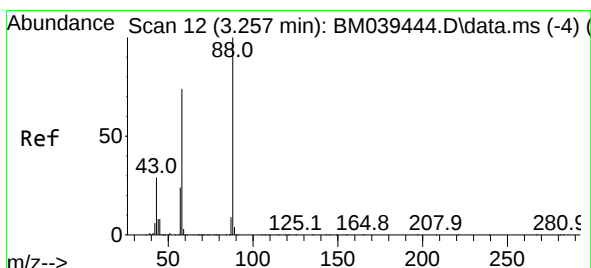
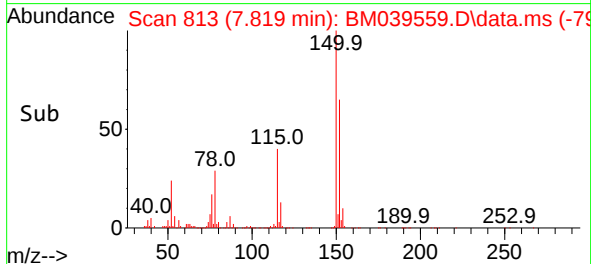
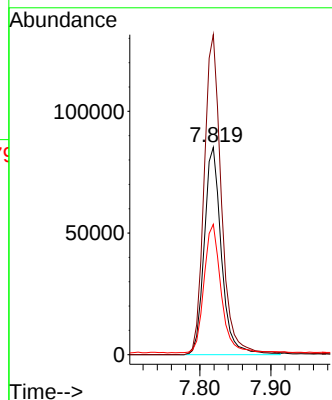
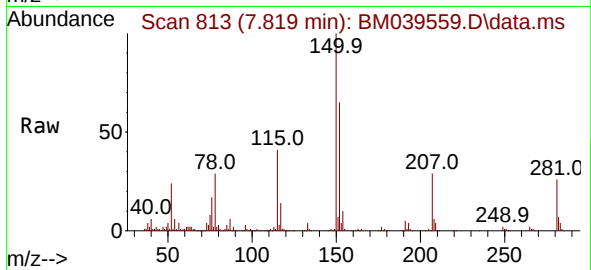




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

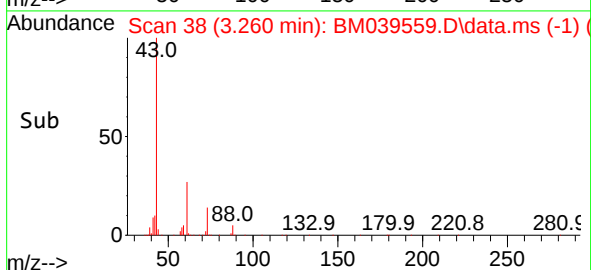
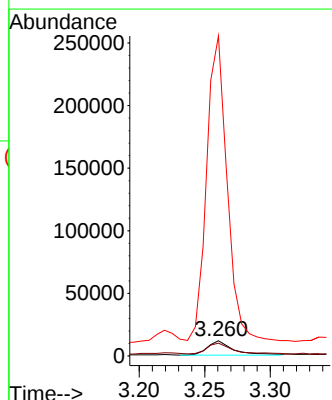
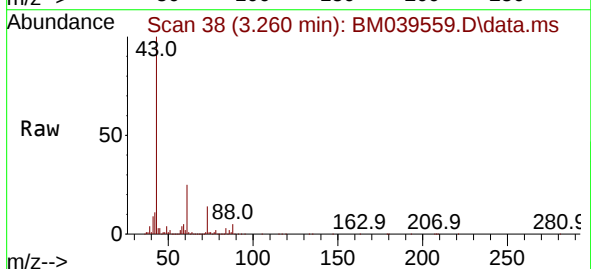
Instrument :
BNA_M
ClientSampleId :
SPC-3WC-23-04-17RE

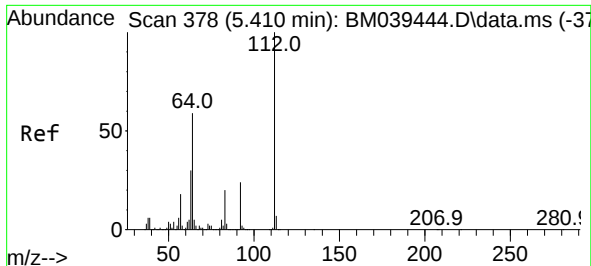
Tgt Ion:152 Resp: 143417
Ion Ratio Lower Upper
152 100
150 154.3 123.0 184.4
115 62.9 49.9 74.9



#2
1,4-Dioxane
Concen: 4.268 ng
RT: 3.260 min Scan# 38
Delta R.T. 0.012 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

Tgt Ion: 88 Resp: 15478
Ion Ratio Lower Upper
88 100
58 74.6 59.4 89.2
43 1728.5 23.4 35.2#

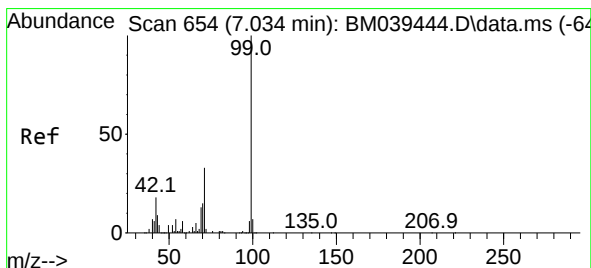
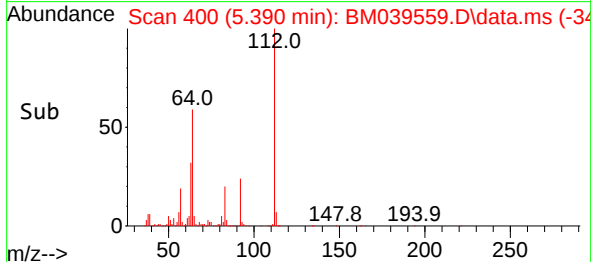
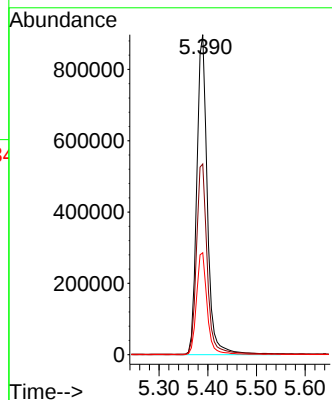
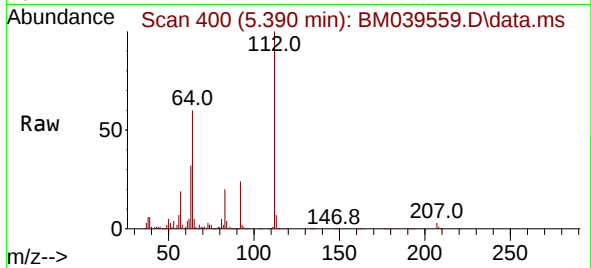




#5
2-Fluorophenol
Concen: 155.283 ng
RT: 5.390 min Scan# 400
Delta R.T. 0.000 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

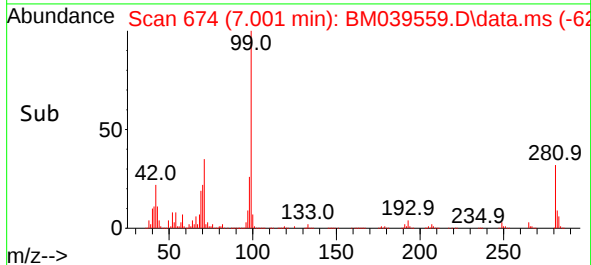
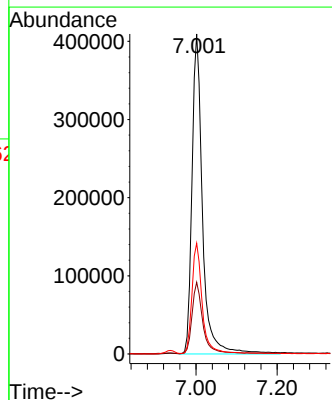
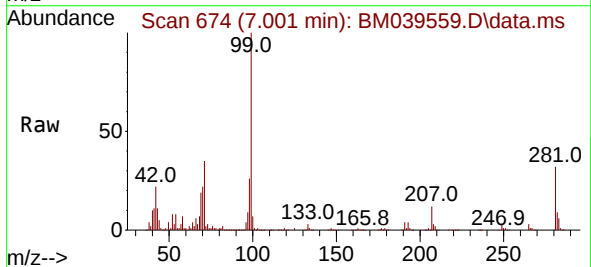
Instrument :
BNA_M
ClientSampleId :
SPC-3WC-23-04-17RE

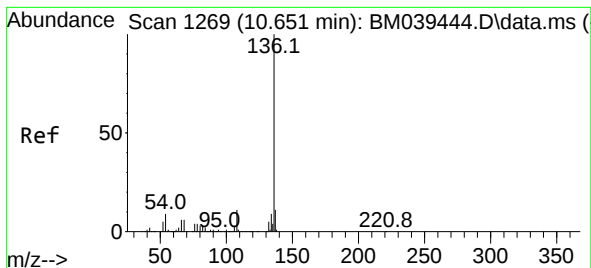
Tgt Ion:112 Resp: 1363072
Ion Ratio Lower Upper
112 100
64 59.6 47.0 70.4
63 31.8 24.2 36.4



#7
Phenol-d6
Concen: 57.146 ng
RT: 7.001 min Scan# 674
Delta R.T. -0.006 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

Tgt Ion: 99 Resp: 737208
Ion Ratio Lower Upper
99 100
42 22.4 14.2 21.4#
71 34.6 26.8 40.2

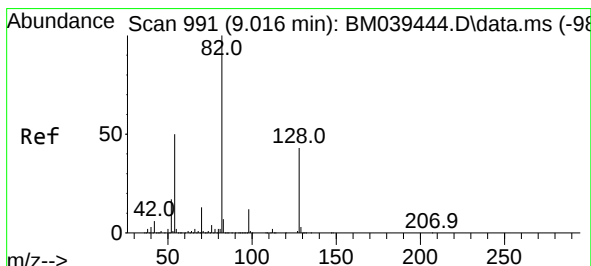
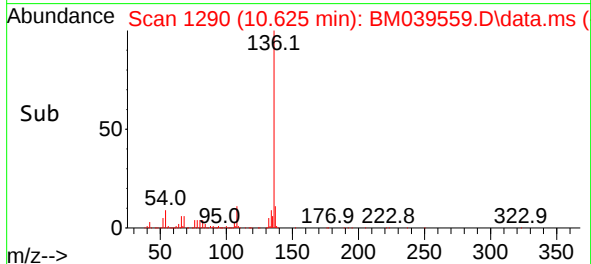
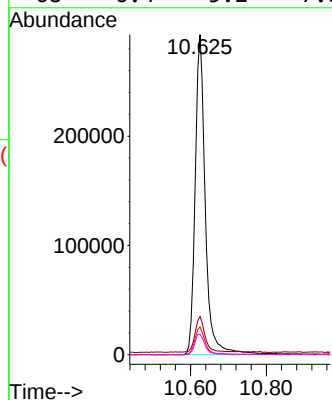
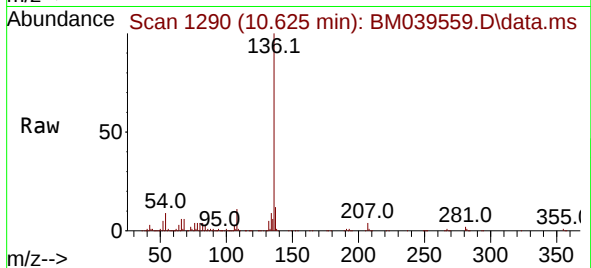




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.625 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

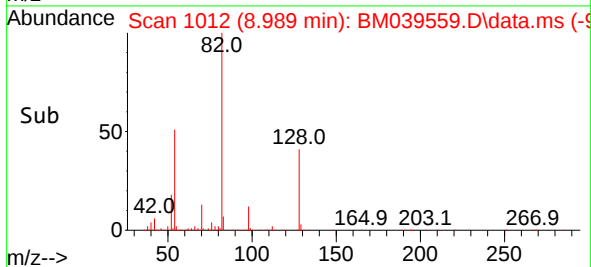
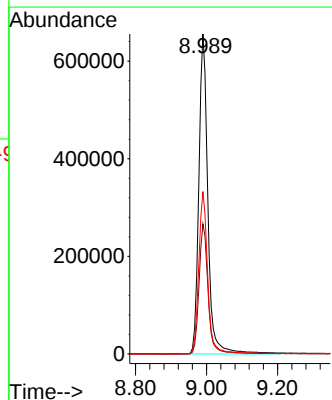
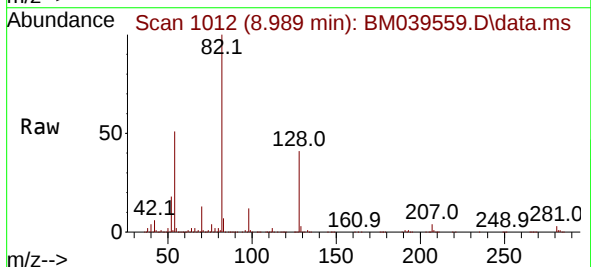
Instrument :
BNA_M
ClientSampleId :
SPC-3WC-23-04-17RE

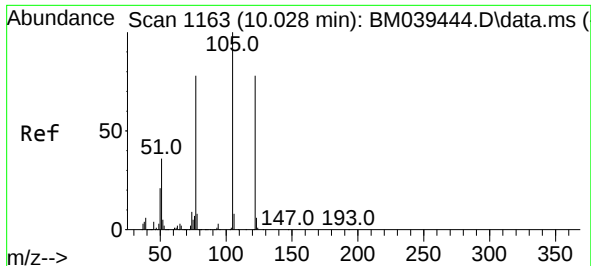
Tgt Ion:136 Resp: 550410
Ion Ratio Lower Upper
136 100
137 11.9 8.6 13.0
54 8.6 6.9 10.3
68 6.4 5.2 7.8



#23
Nitrobenzene-d5
Concen: 103.412 ng
RT: 8.989 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

Tgt Ion: 82 Resp: 1162312
Ion Ratio Lower Upper
82 100
128 40.6 34.2 51.2
54 50.7 39.7 59.5

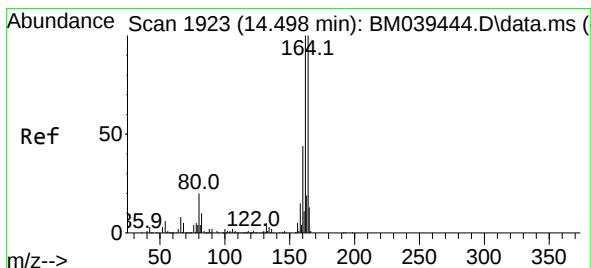
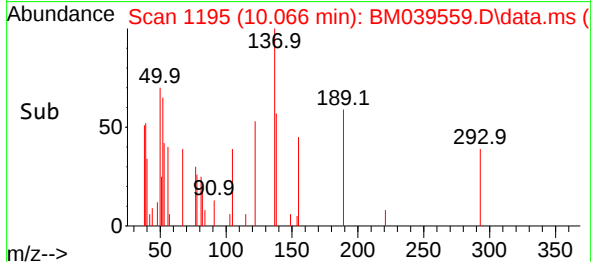
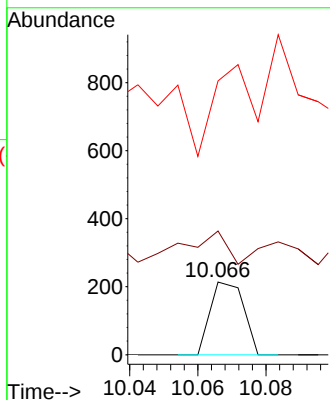
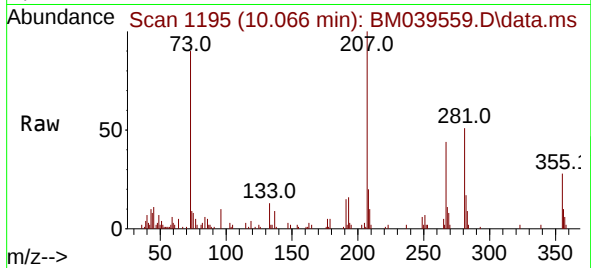




#32
Benzoic acid
Concen: 6.011 ng
RT: 10.066 min Scan# 1163
Delta R.T. 0.059 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

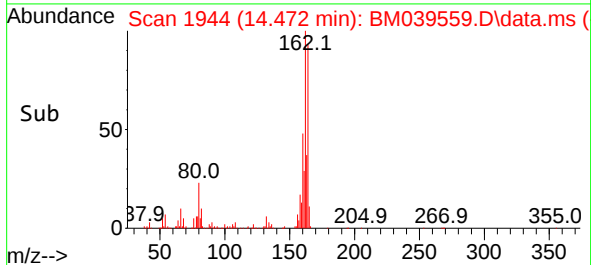
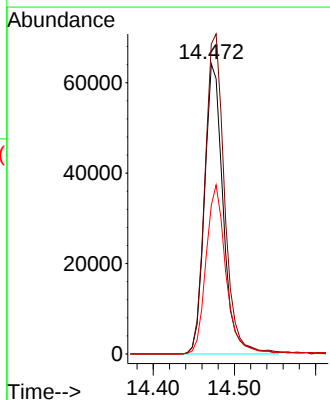
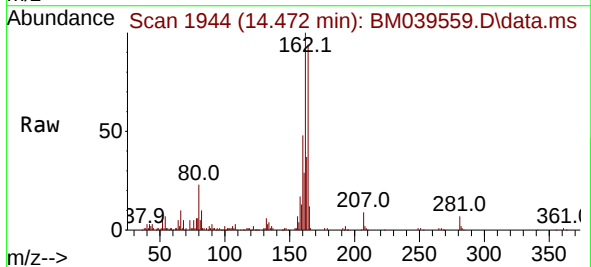
Instrument :
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ClientSampleId :
SPC-3WC-23-04-17RE

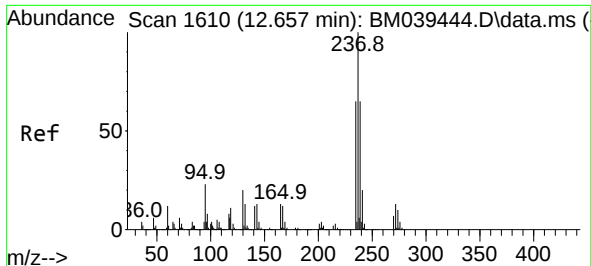
Tgt Ion:122 Resp: 145
Ion Ratio Lower Upper
122 100
105 170.1 105.9 145.9#
77 376.2 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.472 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

Tgt Ion:164 Resp: 102088
Ion Ratio Lower Upper
164 100
162 106.9 79.8 119.8
160 51.3 35.0 52.4

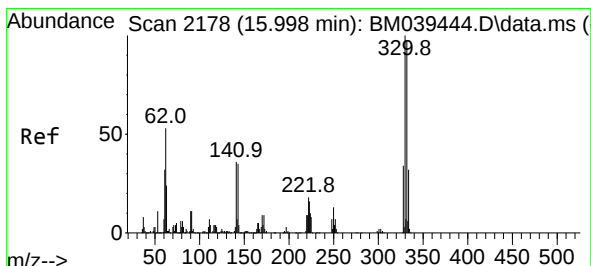
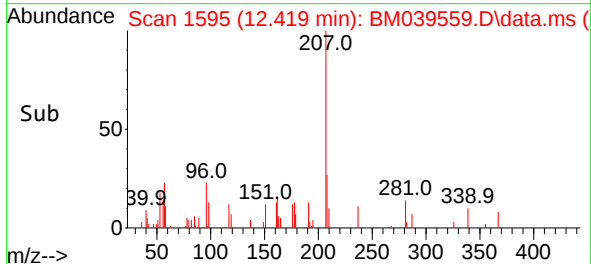
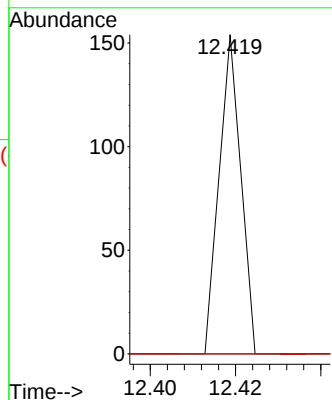
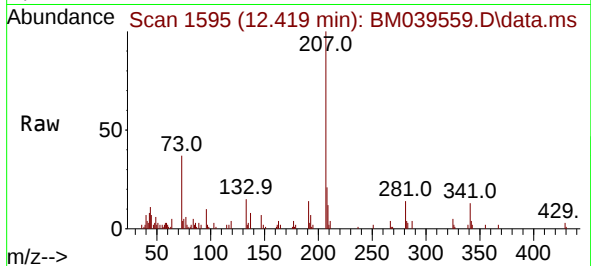




#41
Hexachlorocyclopentadiene
Concen: 4.604 ng
RT: 12.419 min Scan# 11
Delta R.T. -0.218 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

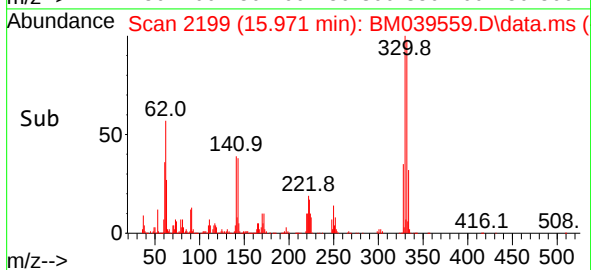
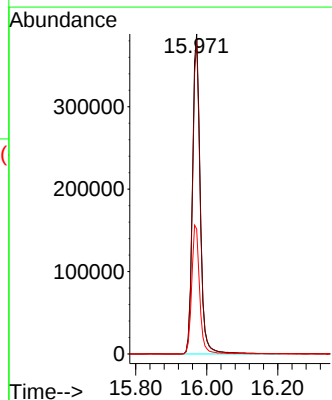
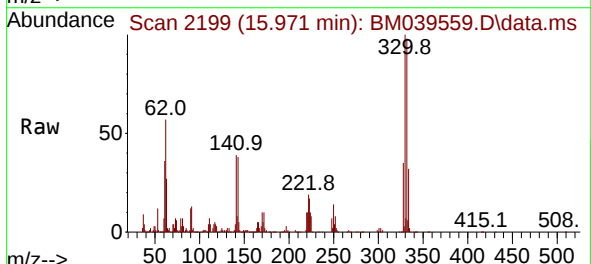
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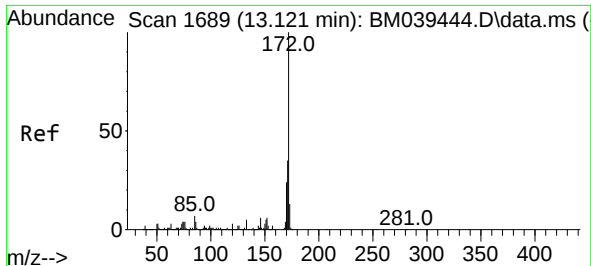
Tgt Ion:237 Resp: 54
Ion Ratio Lower Upper
237 100
235 0.0 44.7 84.7#
272 0.0 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 446.440 ng
RT: 15.971 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

Tgt Ion:330 Resp: 591418
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.2
141 40.7 31.0 46.6

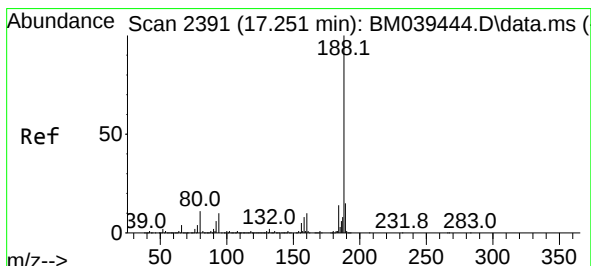
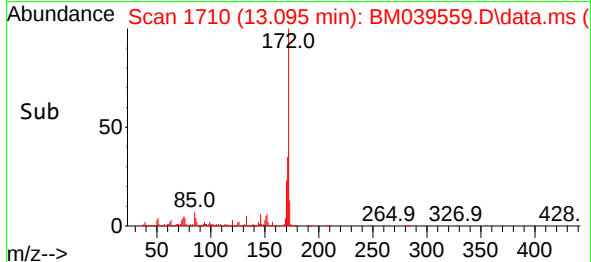
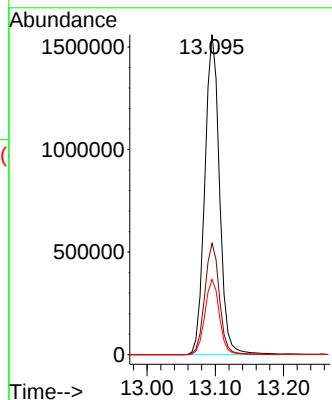
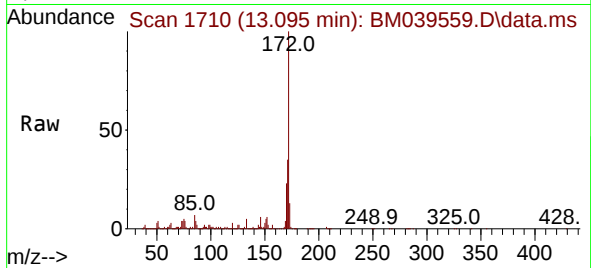




#45
2-Fluorobiphenyl
Concen: 317.607 ng
RT: 13.095 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

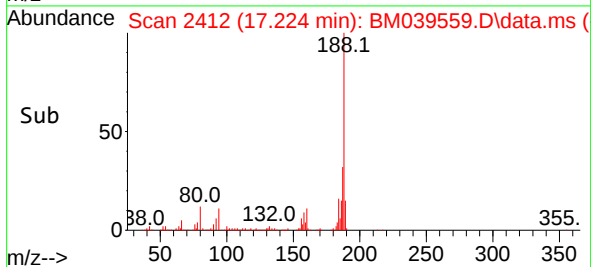
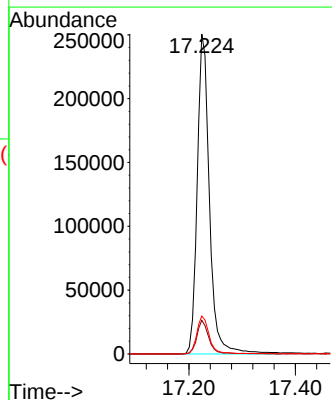
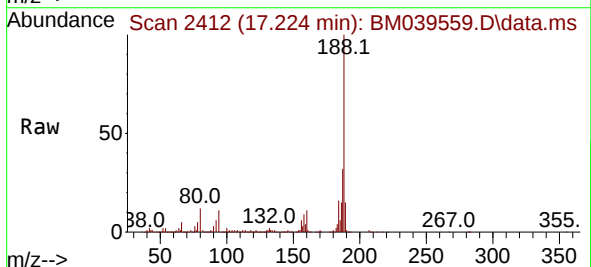
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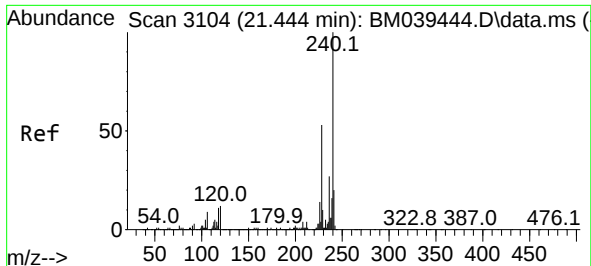
Tgt Ion:172 Resp: 2343384
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.5 19.0 28.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

Tgt Ion:188 Resp: 397959
Ion Ratio Lower Upper
188 100
94 10.5 7.9 11.9
80 11.9 8.9 13.3

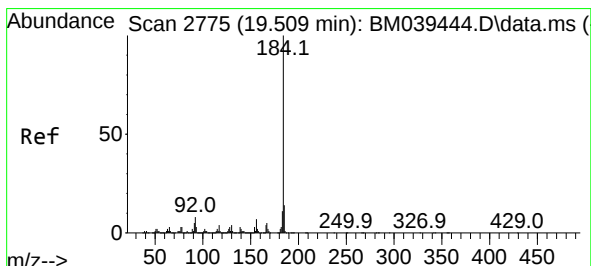
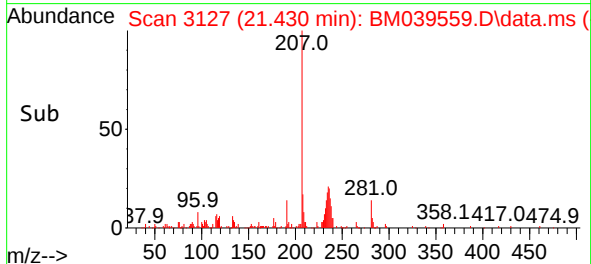
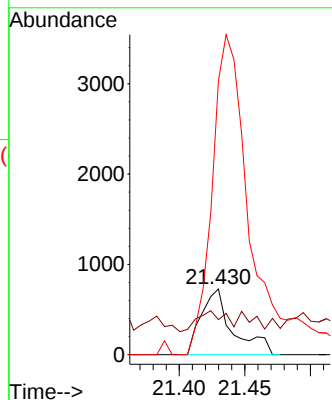
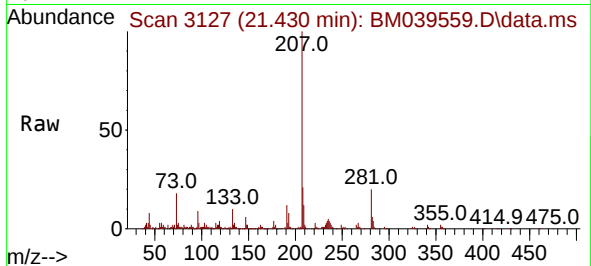




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.430 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

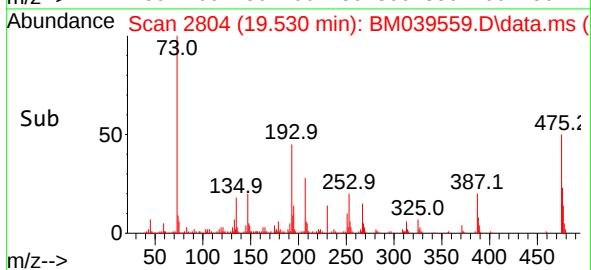
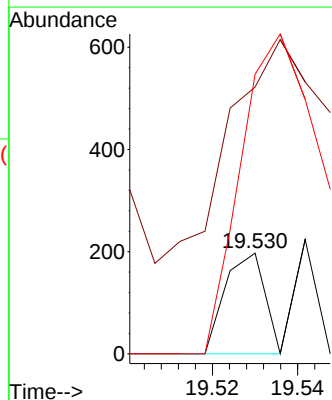
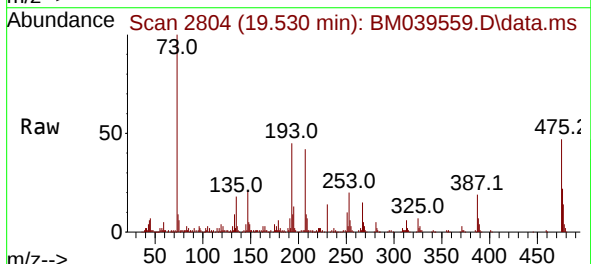
Instrument :
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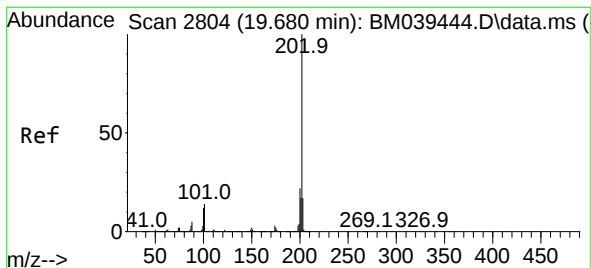
Tgt Ion:240 Resp: 1208
Ion Ratio Lower Upper
240 100
120 53.3 9.4 14.2#
236 417.0 21.2 31.8#



#77
Benzidine
Concen: 4.640 ng
RT: 19.530 min Scan# 2804
Delta R.T. 0.041 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

Tgt Ion:184 Resp: 127
Ion Ratio Lower Upper
184 100
185 265.0 11.0 16.4#
183 277.7 8.8 13.2#





#78

Pyrene

Concen: 4.469 ng

RT: 19.665 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039559.D

Acq: 21 Apr 2023 19:51

Instrument :

BNA_M

ClientSampleId :

SPC-3WC-23-04-17RE

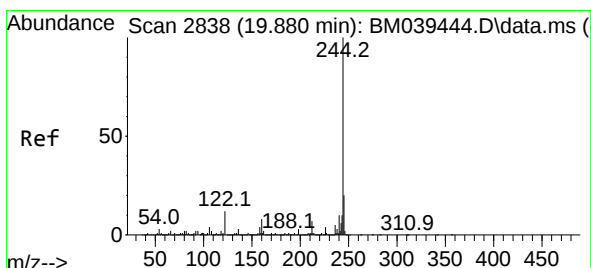
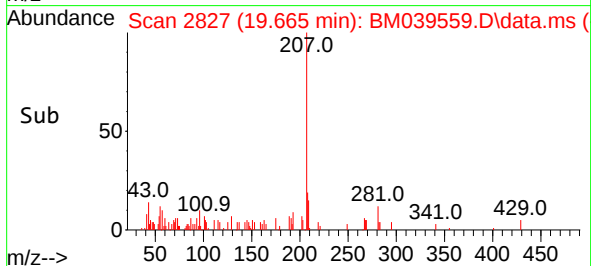
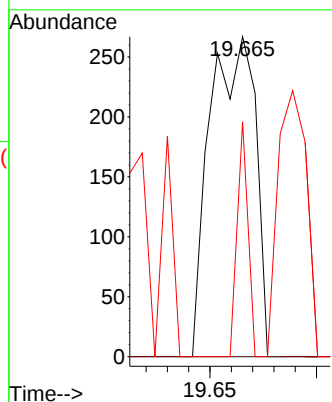
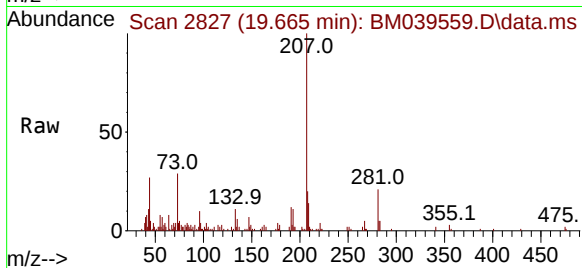
Tgt Ion:202 Resp: 397

Ion Ratio Lower Upper

202 100

200 0.0 17.2 25.8#

203 73.4 13.9 20.9#



#79

Terphenyl-d14

Concen: 21026.847 ng

RT: 19.859 min Scan# 2860

Delta R.T. -0.006 min

Lab File: BM039559.D

Acq: 21 Apr 2023 19:51

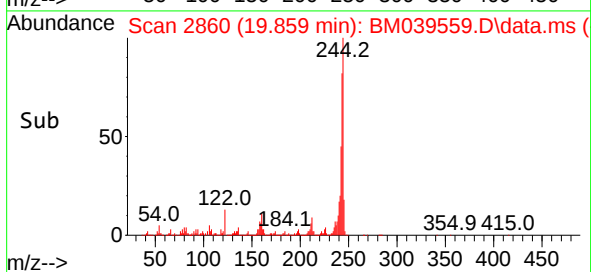
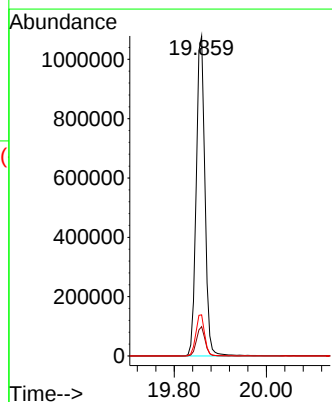
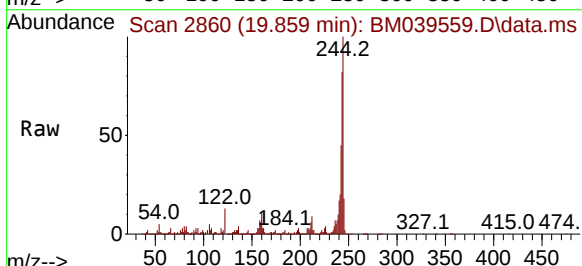
Tgt Ion:244 Resp: 1407979

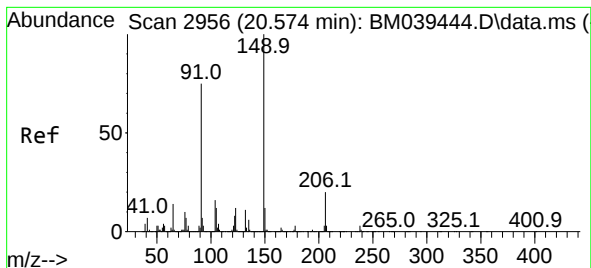
Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

122 12.9 9.5 14.3





#80

Butylbenzylphthalate

Concen: 6.106 ng

RT: 20.595 min Scan# 2956

Delta R.T. 0.035 min

Lab File: BM039559.D

Acq: 21 Apr 2023 19:51

Instrument :

BNA_M

ClientSampleId :

SPC-3WC-23-04-17RE

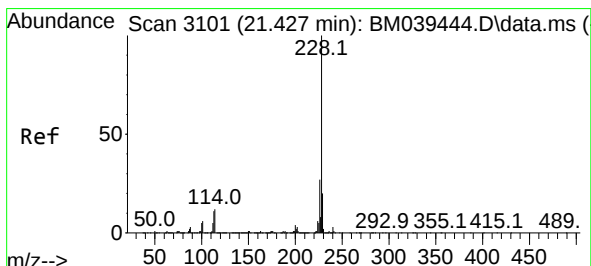
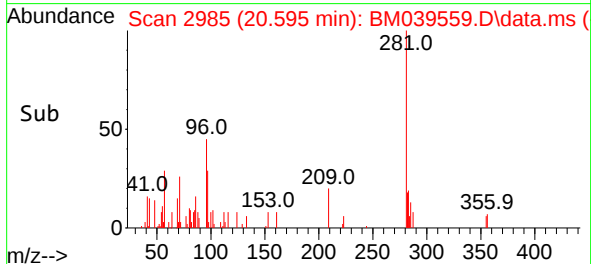
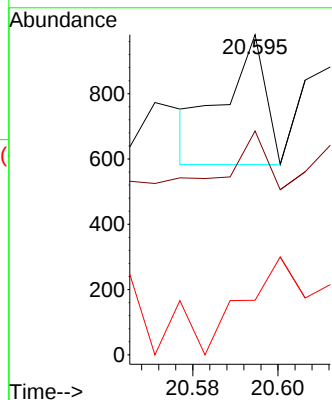
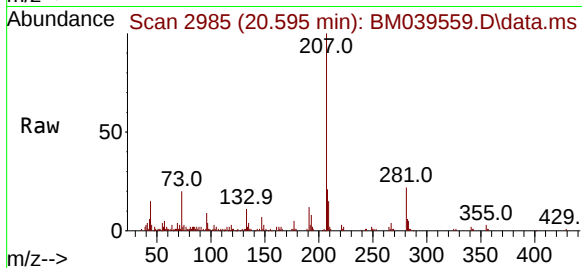
Tgt Ion:149 Resp: 269

Ion Ratio Lower Upper

149 100

91 69.9 59.9 89.9

206 17.0 15.8 23.8



#81

Benzo(a)anthracene

Concen: 44.949 ng

RT: 21.453 min Scan# 3131

Delta R.T. 0.041 min

Lab File: BM039559.D

Acq: 21 Apr 2023 19:51

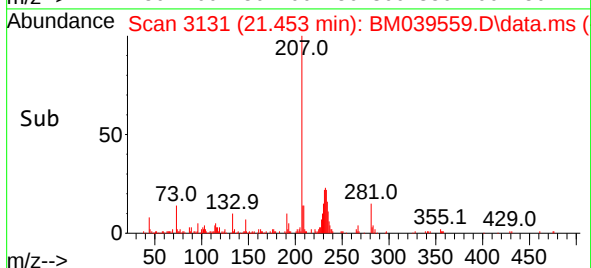
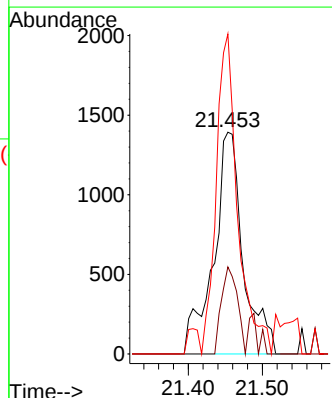
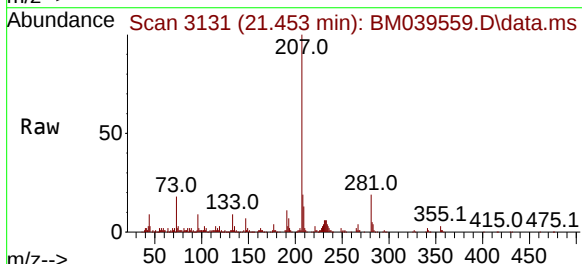
Tgt Ion:228 Resp: 3856

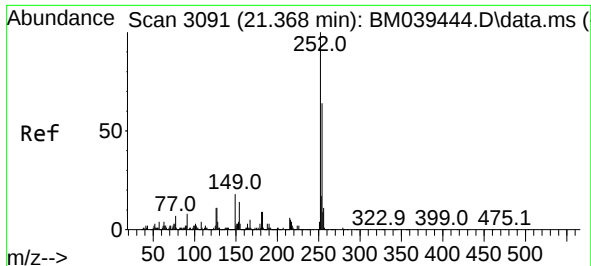
Ion Ratio Lower Upper

228 100

226 39.3 21.8 32.8#

229 144.3 15.9 23.9#

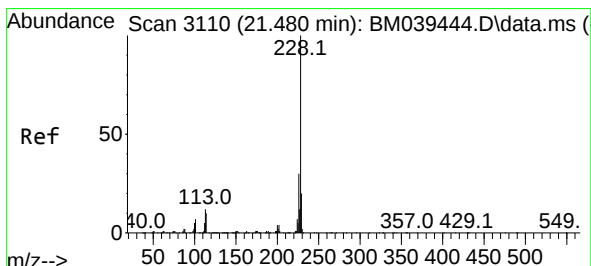
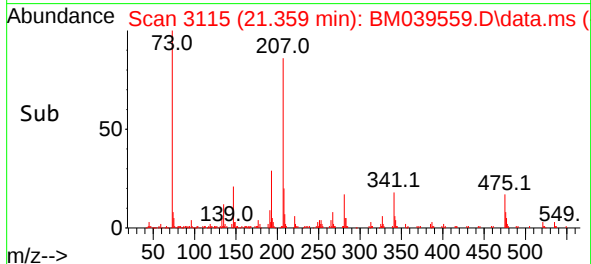
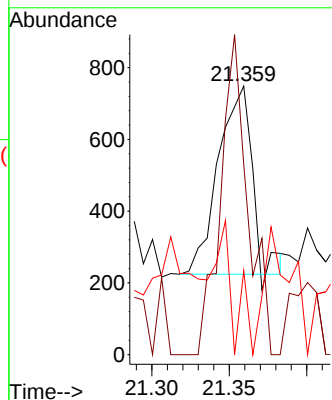
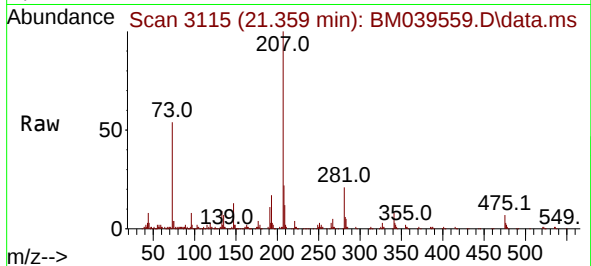




#82
 3,3'-Dichlorobenzidine
 Concen: 28.181 ng
 RT: 21.359 min Scan# 3115
 Delta R.T. 0.012 min
 Lab File: BM039559.D
 Acq: 21 Apr 2023 19:51

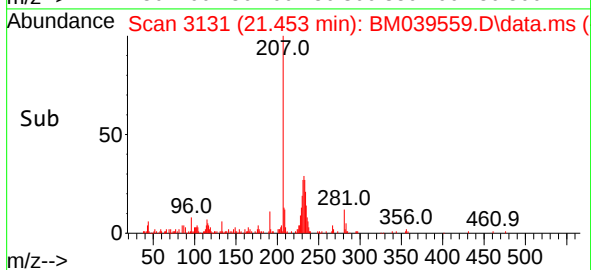
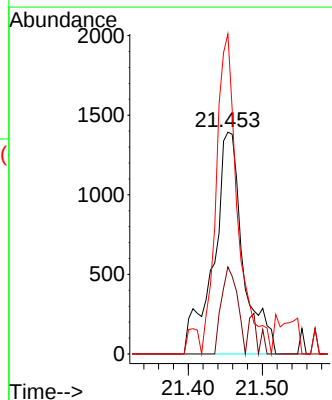
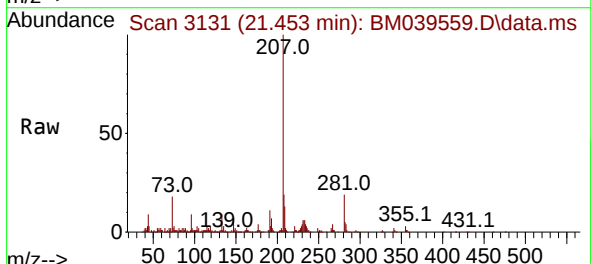
Instrument :
 BNA_M
 ClientSampleId :
 SPC-3WC-23-04-17RE

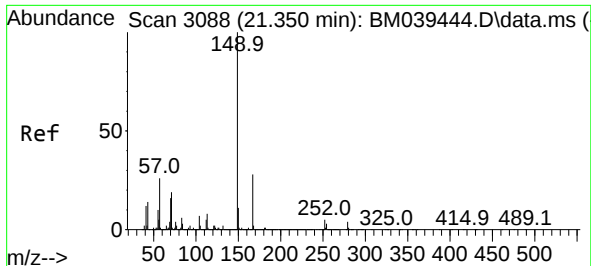
Tgt Ion:252 Resp: 798
 Ion Ratio Lower Upper
 252 100
 254 70.9 50.8 76.2
 126 31.2 9.0 13.4#



#83
 Chrysene
 Concen: 46.374 ng
 RT: 21.453 min Scan# 3131
 Delta R.T. -0.012 min
 Lab File: BM039559.D
 Acq: 21 Apr 2023 19:51

Tgt Ion:228 Resp: 3856
 Ion Ratio Lower Upper
 228 100
 226 39.3 24.0 36.0#
 229 144.3 16.0 24.0#

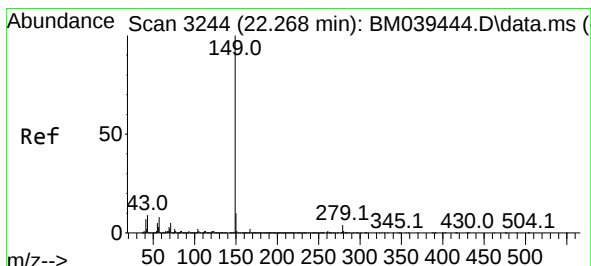
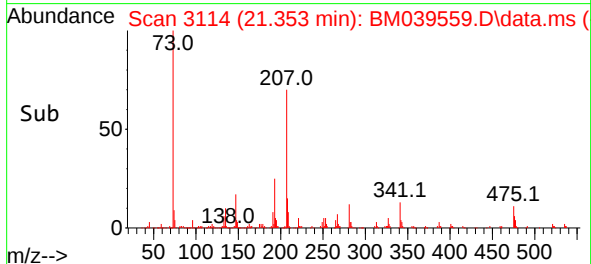
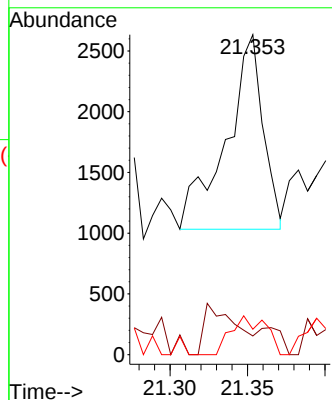
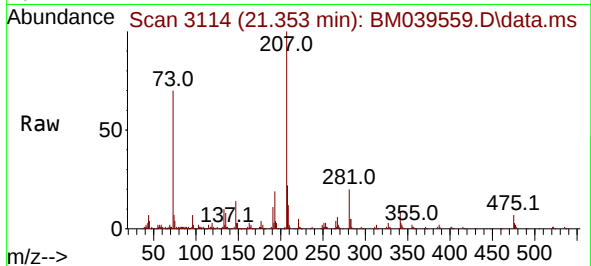




#84
Bis(2-ethylhexyl)phthalate
Concen: 39.582 ng
RT: 21.353 min Scan# 3114
Delta R.T. 0.024 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

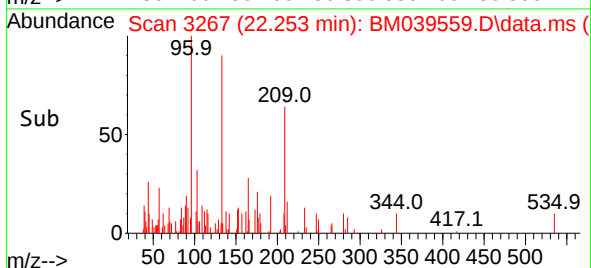
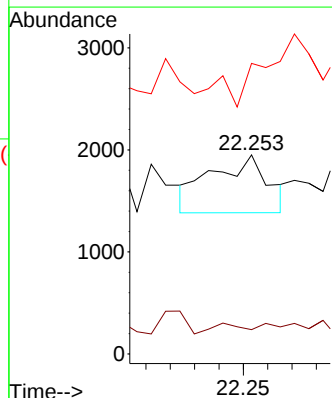
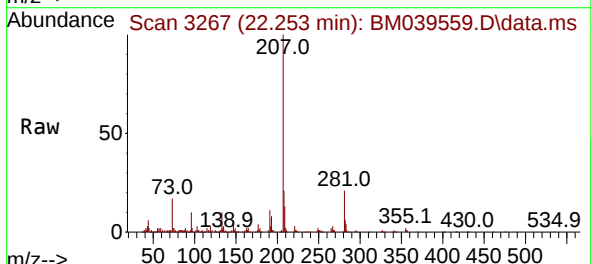
Instrument :
BNA_M
ClientSampleId :
SPC-3WC-23-04-17RE

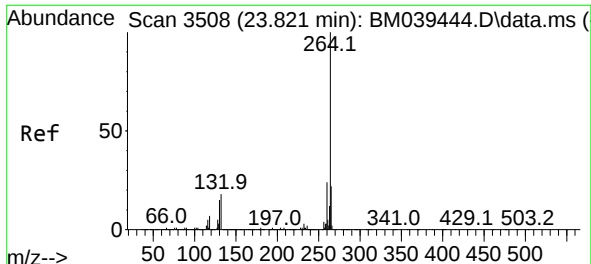
Tgt Ion:149 Resp: 2658
Ion Ratio Lower Upper
149 100
167 5.8 22.3 33.5#
279 7.9 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 7.941 ng
RT: 22.253 min Scan# 3267
Delta R.T. 0.006 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

Tgt Ion:149 Resp: 917
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 62.6 7.1 10.7#

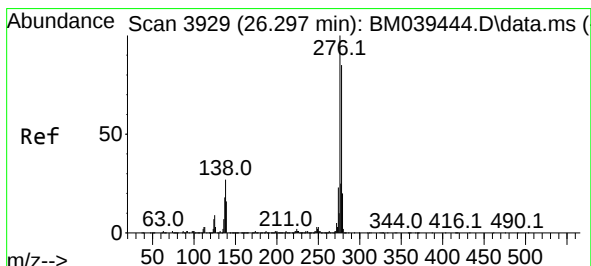
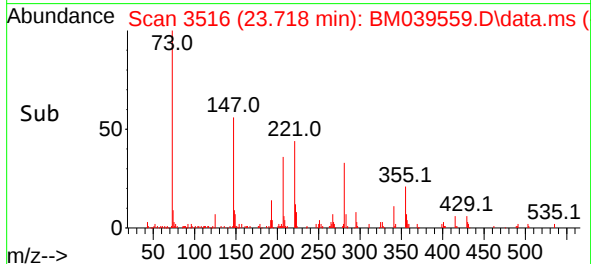
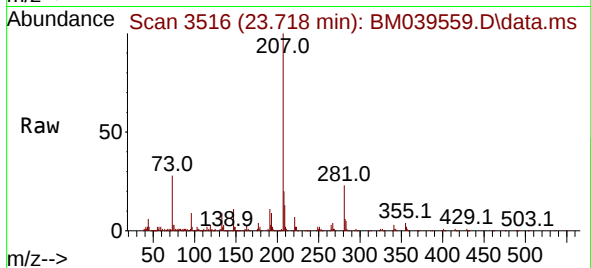




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.718 min Scan# 31
Delta R.T. -0.071 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

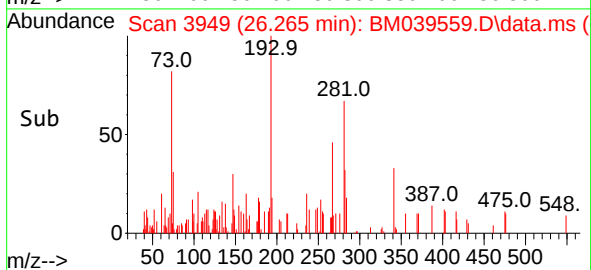
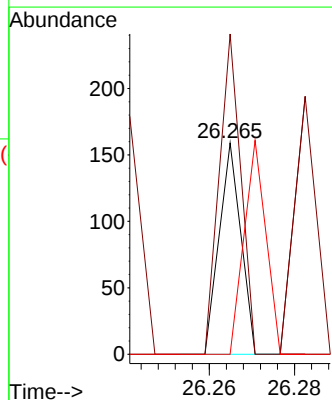
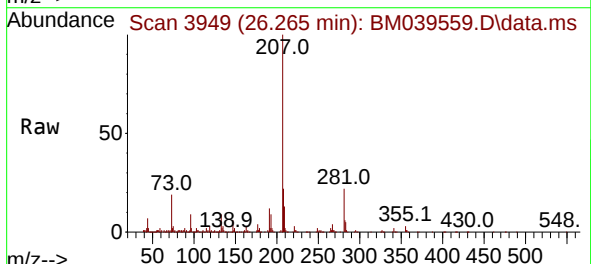
Instrument :
BNA_M
ClientSampleId :
SPC-3WC-23-04-17RE

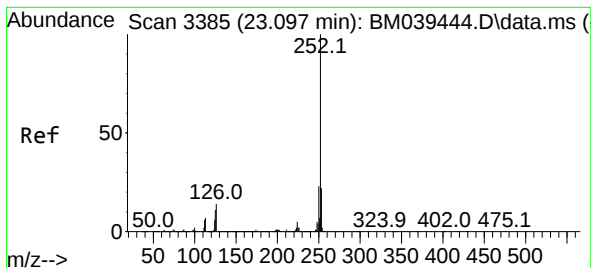
Tgt Ion:264 Resp: 57
Ion Ratio Lower Upper
264 100
260 0.0 19.0 28.6#
265 1937.0 18.0 27.0#



#87
Indeno(1,2,3-cd)pyrene
Concen: 13.370 ng
RT: 26.265 min Scan# 3949
Delta R.T. 0.029 min
Lab File: BM039559.D
Acq: 21 Apr 2023 19:51

Tgt Ion:276 Resp: 56
Ion Ratio Lower Upper
276 100
138 151.8 21.4 32.0#
277 101.8 20.0 30.0#





#88

Benzo(b)fluoranthene

Concen: 170.630 ng

RT: 22.977 min Scan# 31

Delta R.T. -0.094 min

Lab File: BM039559.D

Acq: 21 Apr 2023 19:51

Instrument :

BNA_M

ClientSampleId :

SPC-3WC-23-04-17RE

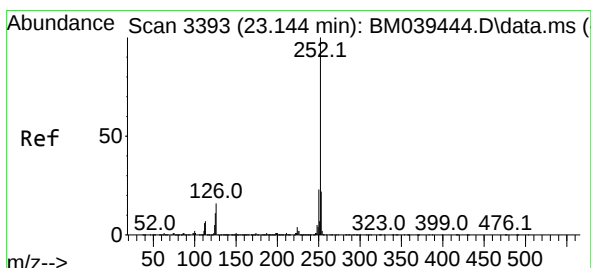
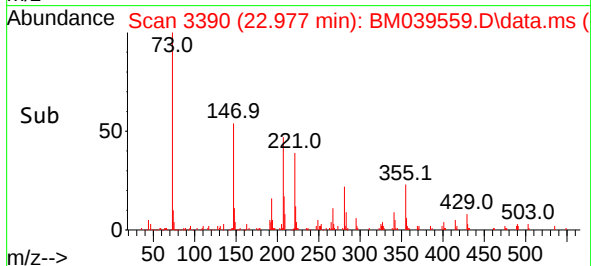
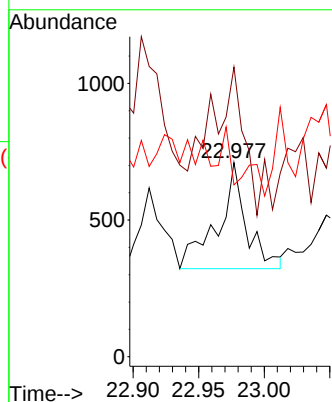
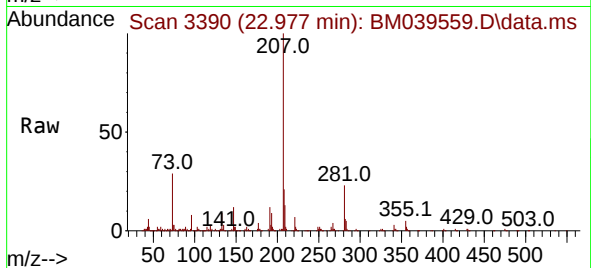
Tgt Ion:252 Resp: 593

Ion Ratio Lower Upper

252 100

253 149.3 17.8 26.6#

125 88.6 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 61.100 ng

RT: 23.047 min Scan# 3402

Delta R.T. -0.071 min

Lab File: BM039559.D

Acq: 21 Apr 2023 19:51

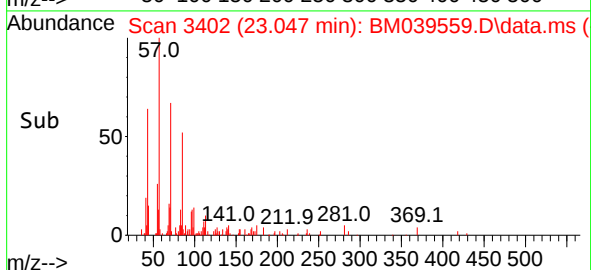
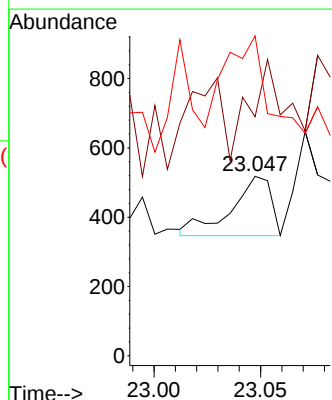
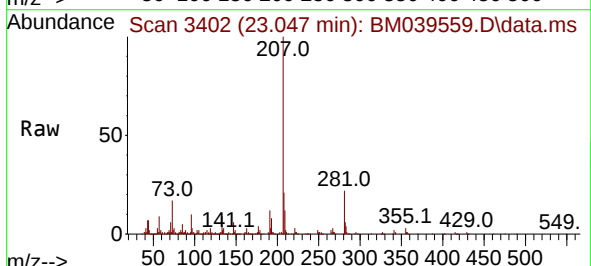
Tgt Ion:252 Resp: 222

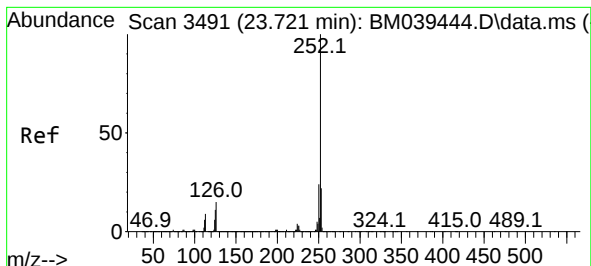
Ion Ratio Lower Upper

252 100

253 133.2 17.5 26.3#

125 178.2 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 82.223 ng

RT: 23.594 min Scan# 34

Delta R.T. -0.088 min

Lab File: BM039559.D

Acq: 21 Apr 2023 19:51

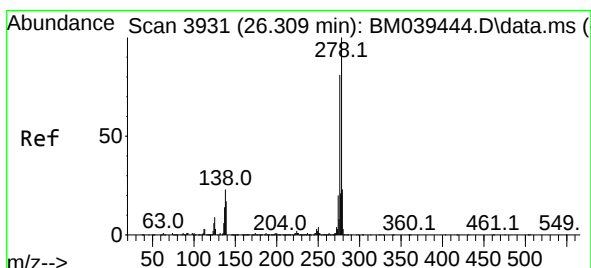
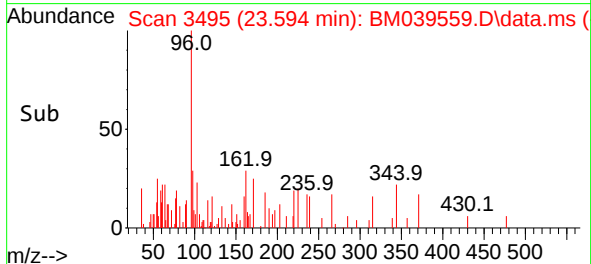
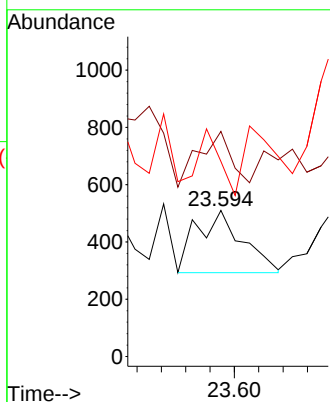
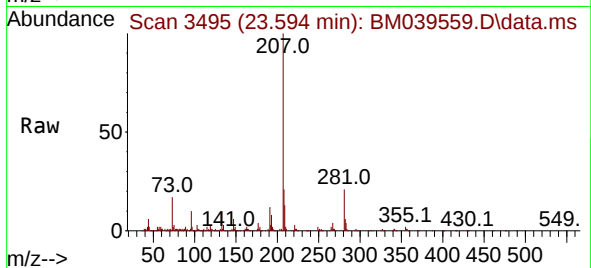
Instrument :

BNA_M

ClientSampleId :

SPC-3WC-23-04-17RE

Tgt Ion:	252	Resp:	284
Ion Ratio	Lower	Upper	
252	100		
253	154.1	17.7	26.5#
125	133.5	9.0	13.6#



#91

Dibenzo(a,h)anthracene

Concen: 31.883 ng

RT: 26.247 min Scan# 3946

Delta R.T. 0.000 min

Lab File: BM039559.D

Acq: 21 Apr 2023 19:51

Tgt Ion:	278	Resp:	111
Ion Ratio	Lower	Upper	
278	100		
139	113.8	13.7	20.5#
279	134.0	18.8	28.2#

