

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120222\
 Data File : BM037827.D
 Acq On : 02 Dec 2022 13:56
 Operator : CG/JU
 Sample : N5738-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GBNJ6

Quant Time: Dec 02 21:48:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120122.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 02 01:14:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.098	152	245605	20.000	ng/ul	0.00
20) Naphthalene-d8	10.922	136	1156499	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.733	164	699216	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.445	188	8221	20.000	ng/ul	#-0.02
79) Chrysene-d12	21.603	240	2905	20.000	ng/ul	#-0.03
88) Perylene-d12	24.150	264	803359	20.000	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	16428	3.138	ng/uL	0.00
4) Pyridine-d5	3.875	84	406	0.024	ng/ul	0.00
7) Phenol-d5	7.251	99	482283	21.796	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.422	67	278154	21.546	ng/ul	0.00
11) 2-Chlorophenol-d4	7.628	132	397948	23.786	ng/ul	0.00
15) 4-Methylphenol-d8	8.810	113	374930	21.306	ng/ul	0.00
21) Nitrobenzene-d5	9.269	128	208948	22.744	ng/ul	0.00
24) 2-Nitrophenol-d4	9.998	143	228069	23.991	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.534	165	404492	22.944	ng/ul	0.00
31) 4-Chloroaniline-d4	11.028	131	1215	0.045	ng/ul	-0.02
46) Dimethylphthalate-d6	14.133	166	1189450	24.773	ng/ul	0.00
49) Acenaphthylene-d8	14.427	160	1384851	23.716	ng/ul	0.00
54) 4-Nitrophenol-d4	14.933	143	212285	21.301	ng/ul	0.02
60) Fluorene-d10	15.727	176	822733	18.888	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	15.774	200	9451	218.236	ng/ul	-0.05
73) Anthracene-d10	17.539	188	662624	1752.661	ng/ul	-0.02
81) Pyrene-d10	19.821	212	30529	202.883	ng/ul	-0.02
92) Benzo(a)pyrene-d12	23.986	264	957139	23.782	ng/ul	0.03
Target Compounds						
					Qvalue	
8) Phenol	7.281	94	38263	1.692	ng/ul	97
16) Acetophenone	8.928	105	146236	5.268	ng/ul	98
50) Acenaphthylene	14.457	152	97435	1.505	ng/ul#	55
51) 3-Nitroaniline	14.639	138	12250	1.005	ng/ul#	37
52) Acenaphthene	14.786	153	70390	1.569	ng/ul#	55
55) 4-Nitrophenol	14.916	109	628751	102.354	ng/ul#	1
58) 2,3,4,6-Tetrachlorophenol	15.363	232	1134445	92.632	ng/ul#	81
66) 4,6-Dinitro-2-methylph...	15.821	198	5853	131.107	ng/ul#	1
67) N-Nitrosodiphenylamine	15.951	169	170413	719.313	ng/ul#	66
68) 4-Bromophenyl-phenylether	16.645	248	2554	30.274	ng/ul#	1
69) Hexachlorobenzene	16.810	284	1564	15.876	ng/ul#	1
70) Atrazine	16.910	200	3741	45.852	ng/ul#	1
71) Pentachlorophenol	16.998	266	10174	167.911	ng/ul#	51
72) Phenanthrene	17.468	178	13691	30.728	ng/ul#	1
74) Anthracene	17.574	178	488761	1075.315	ng/ul#	78
75) 1,2,3,4-Tetrachloroben...	13.539	216	142	1.281	ng/ul#	64
76) Pentachlorobenzene	15.051	250	21149	175.375	ng/uL	93
77) Carbazole	17.857	167	10877	26.004	ng/ul#	1
78) Di-n-butylphthalate	18.410	149	18807	35.762	ng/ul#	1
80) Fluoranthene	19.556	202	981951	5342.481	ng/ul	99
82) Pyrene	19.921	202	2083860	10980.453	ng/ul	97
83) Butylbenzylphthalate	20.733	149	5903	71.340	ng/ul#	1
84) 3,3'-Dichlorobenzidine	21.515	252	1692	27.803	ng/ul#	34
85) Benzo(a)anthracene	21.592	228	10862	58.441	ng/ul#	1

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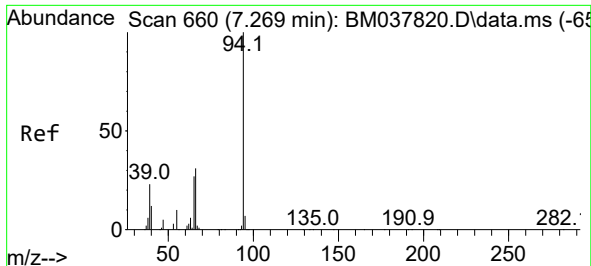
Instrument :
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Quant Time: Dec 02 21:48:04 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

86) Bis(2-ethylhexyl)phtha...	21.539	149	593585	4747.525	ng/ul	95
87) Chrysene	21.639	228	149922	866.541	ng/ul#	66
90) Benzo(b)fluoranthene	23.386	252	604403	11.715	ng/ul#	83
91) Benzo(k)fluoranthene	23.386	252	604403	12.144	ng/ul#	84
93) Benzo(a)pyrene	24.039	252	183092	4.092	ng/ul#	60
94) Indeno(1,2,3-cd)pyrene	26.780	276	226618	4.505	ng/ul	97
95) Dibenzo(a,h)anthracene	26.791	278	46072	1.006	ng/ul#	31
96) Benzo(g,h,i)perylene	27.579	276	182771	4.164	ng/ul#	92

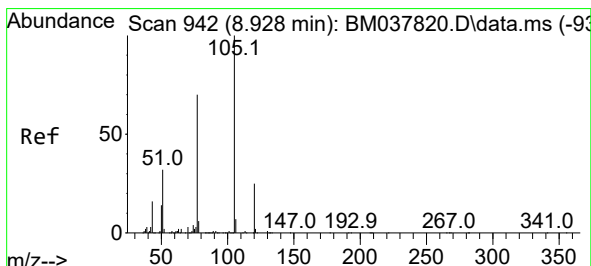
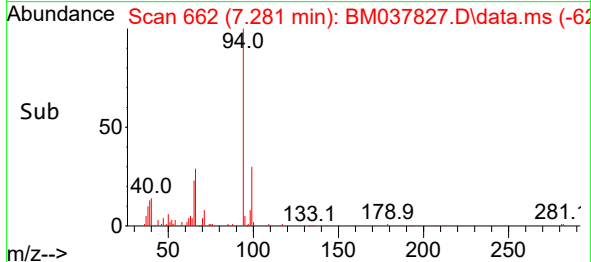
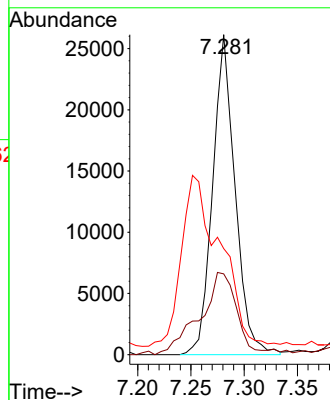
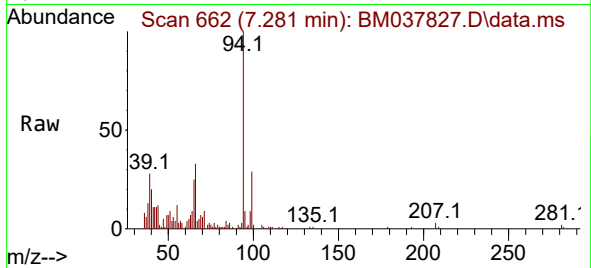
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Phenol
Concen: 1.692 ng/ul
RT: 7.281 min Scan# 662
Delta R.T. 0.006 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

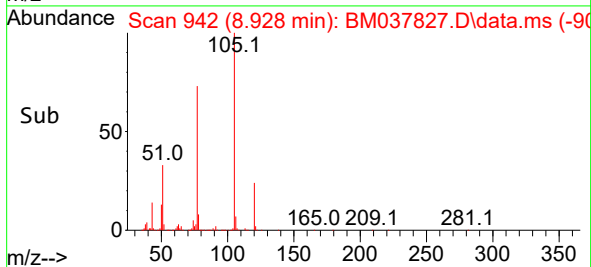
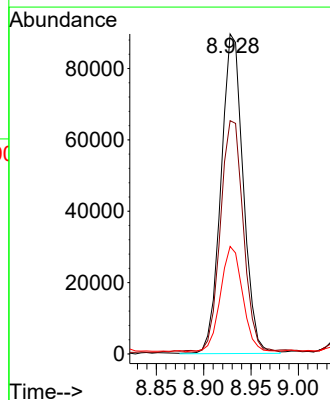
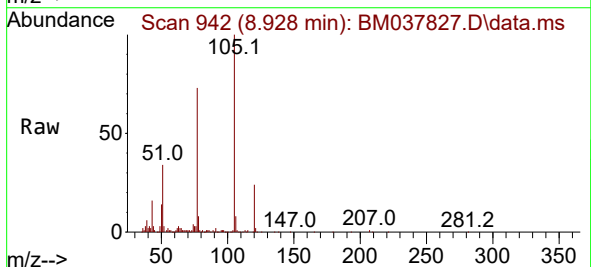
Instrument :
BNA_M
ClientSampleId :
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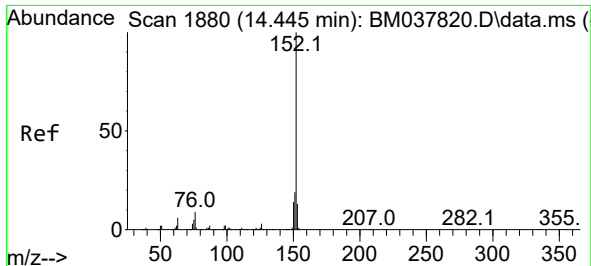
Tgt Ion: 94 Resp: 38263
Ion Ratio Lower Upper
94 100
65 25.3 21.1 31.7
66 33.1 25.2 37.8



#16
Acetophenone
Concen: 5.268 ng/ul
RT: 8.928 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

Tgt Ion: 105 Resp: 146236
Ion Ratio Lower Upper
105 100
77 72.9 59.0 88.4
51 33.6 24.4 36.6

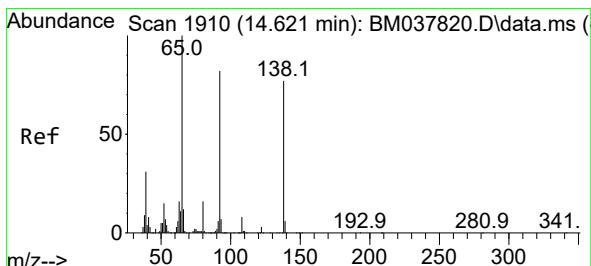
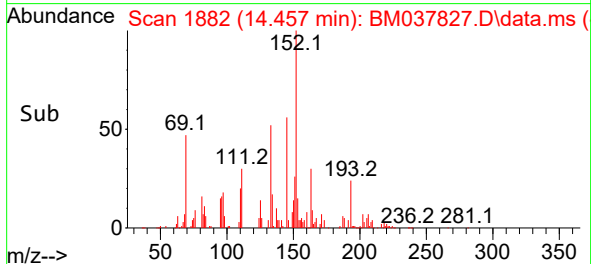
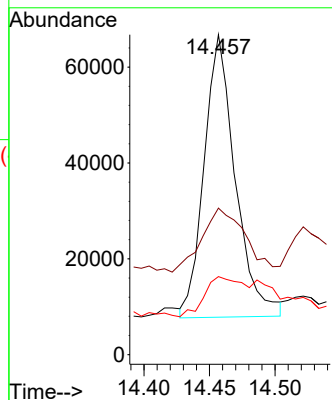
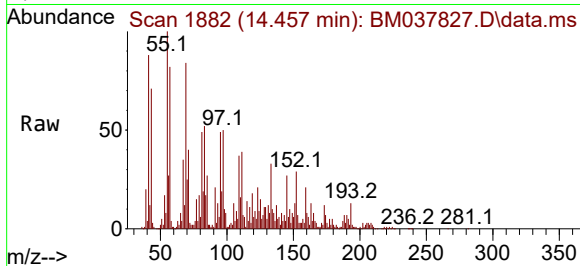




#50
Acenaphthylene
Concen: 1.505 ng/ul
RT: 14.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

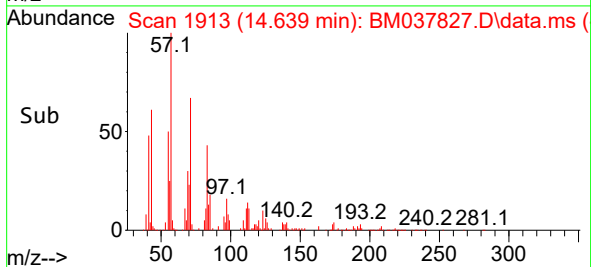
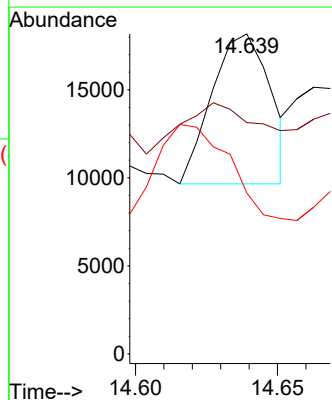
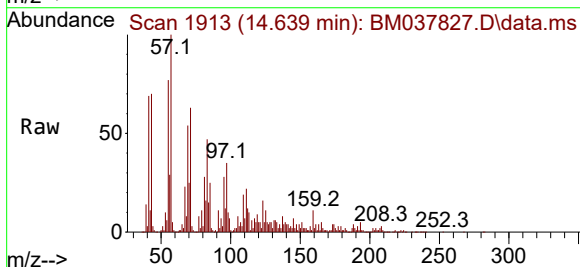
Instrument :
BNA_M
ClientSampleId :
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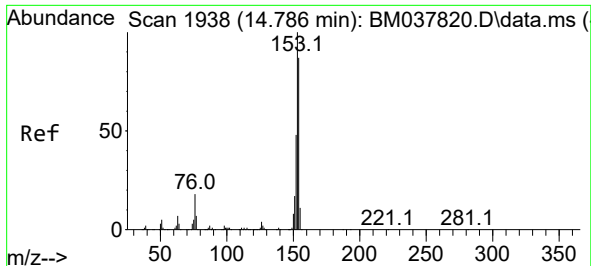
Tgt Ion:152 Resp: 97435
Ion Ratio Lower Upper
152 100
151 45.8 15.8 23.6#
153 24.4 10.6 15.8#



#51
3-Nitroaniline
Concen: 1.005 ng/ul
RT: 14.639 min Scan# 1913
Delta R.T. 0.011 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

Tgt Ion:138 Resp: 12250
Ion Ratio Lower Upper
138 100
108 72.3 7.8 11.8#
92 50.4 83.8 125.6#

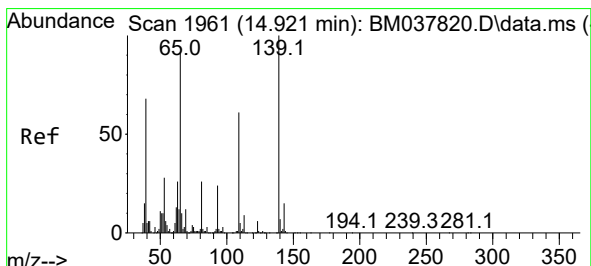
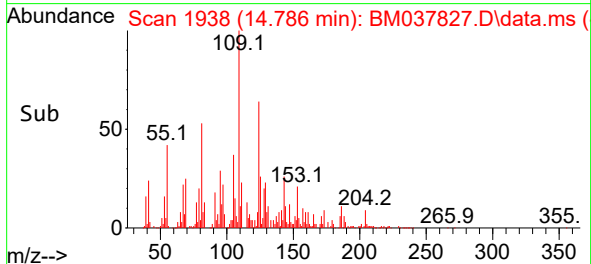
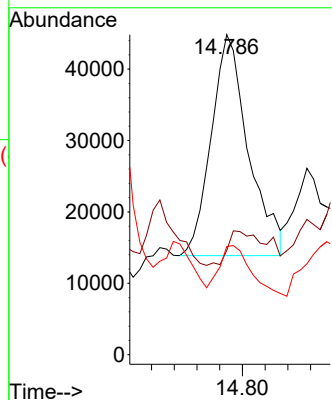
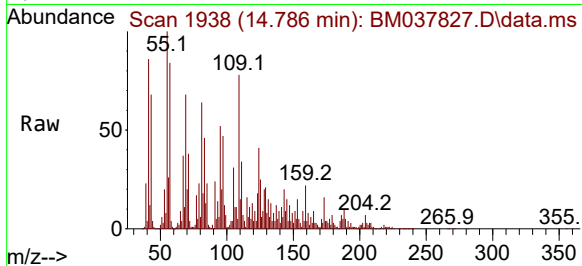




#52
Acenaphthene
Concen: 1.569 ng/ul
RT: 14.786 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

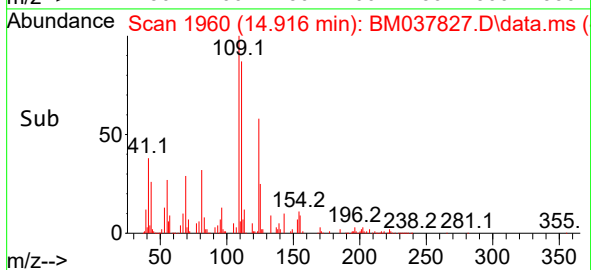
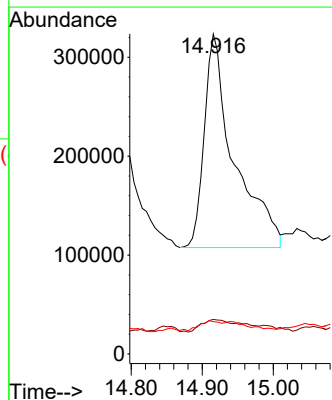
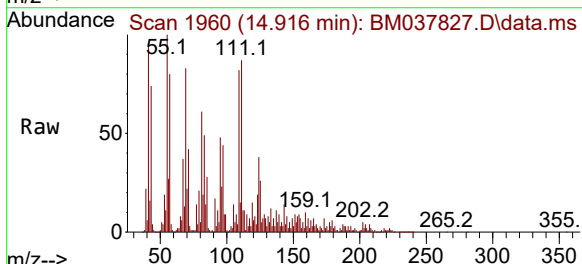
Instrument :
BNA_M
ClientSampleId :
GBNJ6

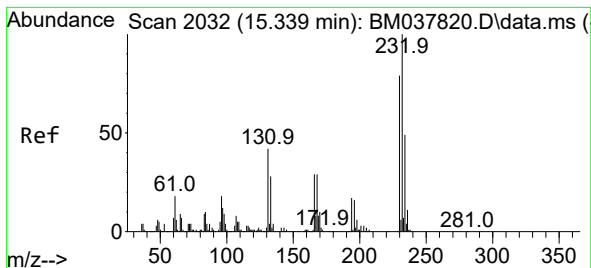
Tgt Ion:153 Resp: 70390
Ion Ratio Lower Upper
153 100
152 32.6 37.0 55.4#
154 33.8 69.8 104.6#



#55
4-Nitrophenol
Concen: 102.354 ng/ul
RT: 14.916 min Scan# 1960
Delta R.T. -0.012 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

Tgt Ion:109 Resp: 628751
Ion Ratio Lower Upper
109 100
139 10.8 131.6 197.4#
65 10.1 109.4 164.0#

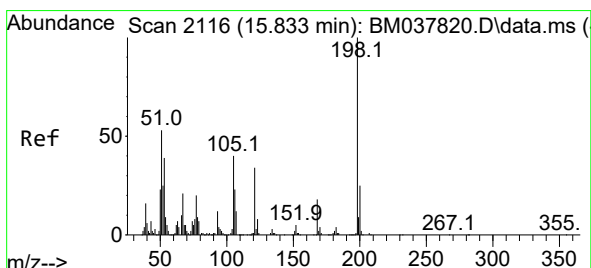
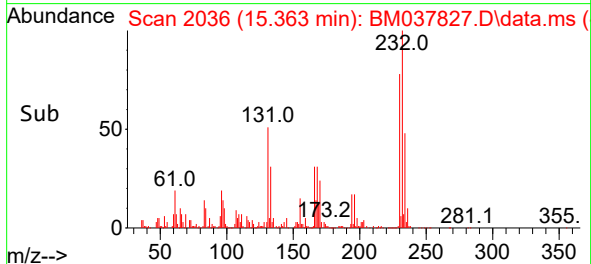
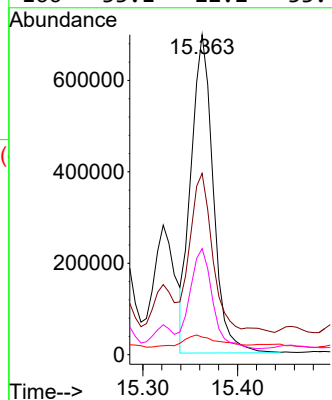
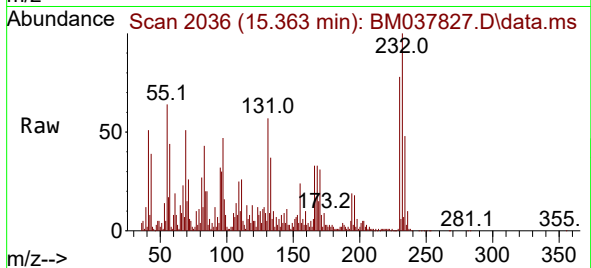




#58
2,3,4,6-Tetrachlorophenol
Concen: 92.632 ng/ul
RT: 15.363 min Scan# 2036
Delta R.T. 0.017 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

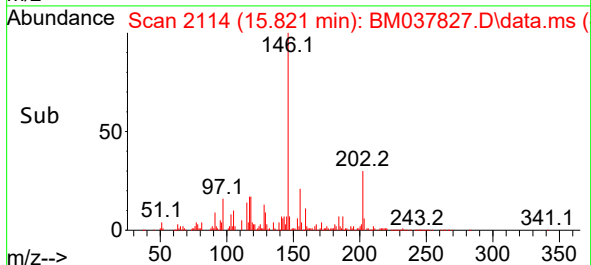
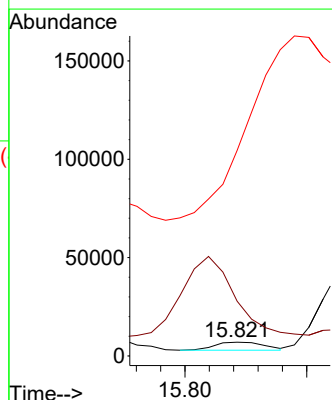
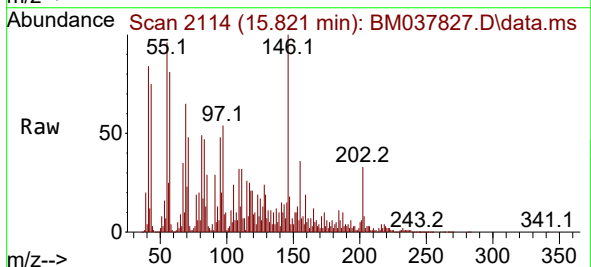
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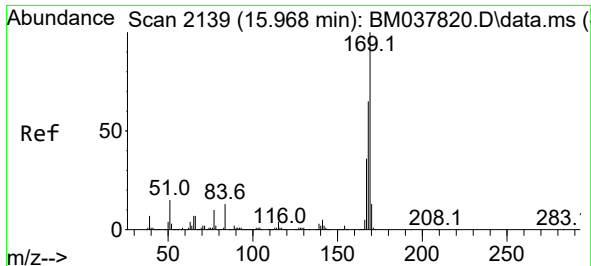
Tgt Ion:232 Resp: 1134445
Ion Ratio Lower Upper
232 100
131 56.7 32.7 49.1#
130 5.5 1.8 2.6#
166 33.1 22.2 33.4



#66
4,6-Dinitro-2-methylphenol
Concen: 131.107 ng/ul
RT: 15.821 min Scan# 2114
Delta R.T. -0.018 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

Tgt Ion:198 Resp: 5853
Ion Ratio Lower Upper
198 100
182 397.8 2.9 4.3#
77 1494.9 17.5 26.3#

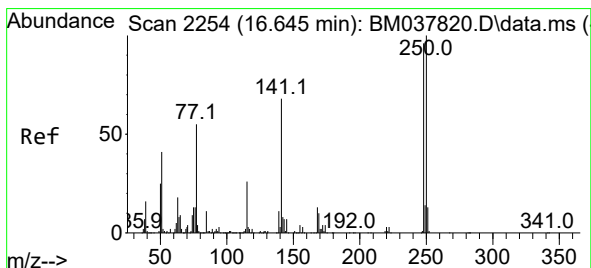
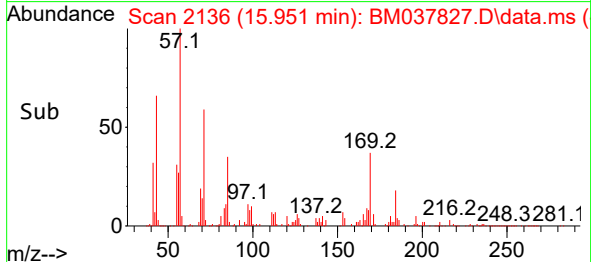
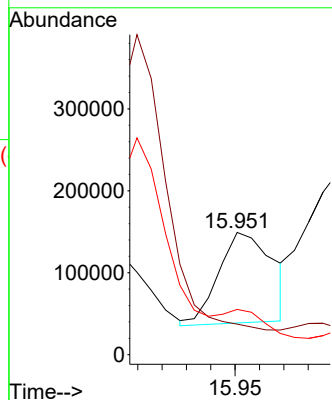
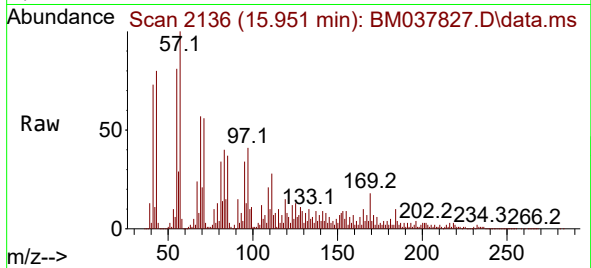




#67
N-Nitrosodiphenylamine
Concen: 719.313 ng/ul
RT: 15.951 min Scan# 2136
Delta R.T. -0.018 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

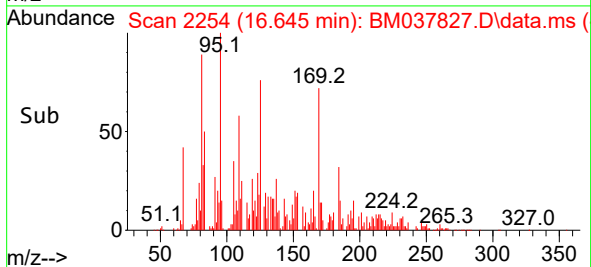
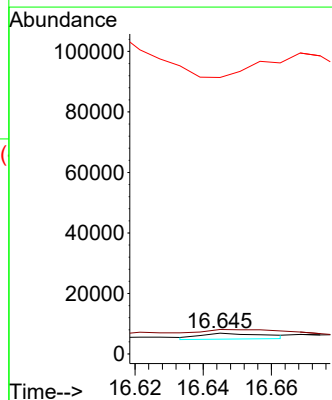
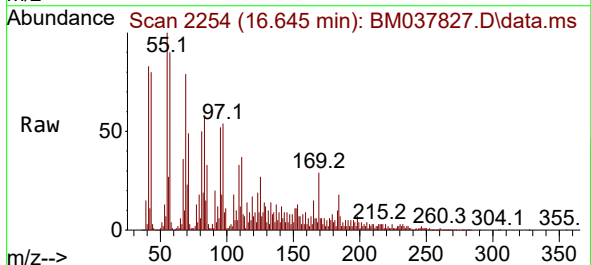
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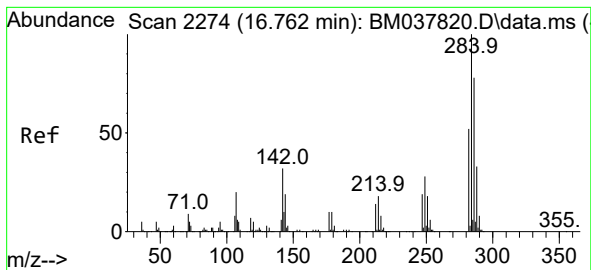
Tgt Ion:169 Resp: 170413
Ion Ratio Lower Upper
169 100
168 25.0 53.8 80.6#
167 37.1 29.5 44.3



#68
4-Bromophenyl-phenylether
Concen: 30.274 ng/ul
RT: 16.645 min Scan# 2254
Delta R.T. -0.006 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

Tgt Ion:248 Resp: 2554
Ion Ratio Lower Upper
248 100
250 117.9 78.1 117.1#
141 1332.2 51.6 77.4#





#69

Hexachlorobenzene

Concen: 15.876 ng/ul

RT: 16.810 min Scan# 21

Delta R.T. 0.041 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

Instrument :

BNA_M

ClientSampleId :

GBNJ6

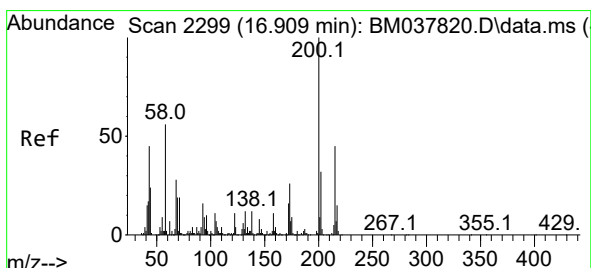
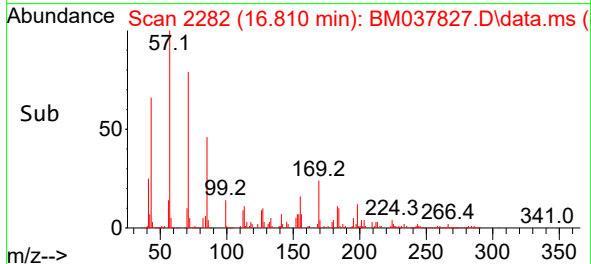
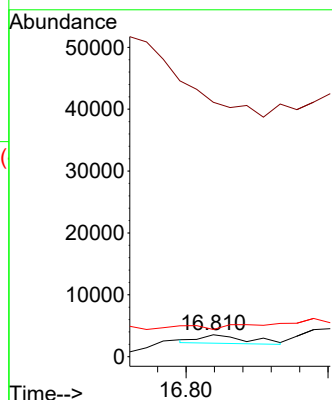
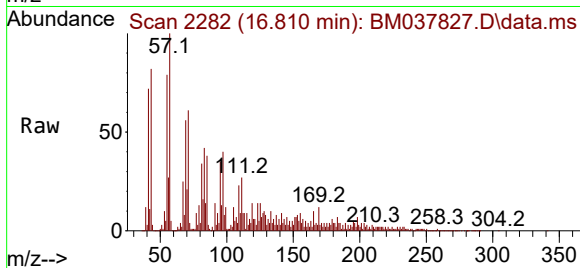
Tgt Ion:284 Resp: 1564

Ion Ratio Lower Upper

284 100

142 1156.1 24.5 36.7#

249 123.5 22.9 34.3#



#70

Atrazine

Concen: 45.852 ng/ul

RT: 16.910 min Scan# 2299

Delta R.T. -0.006 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

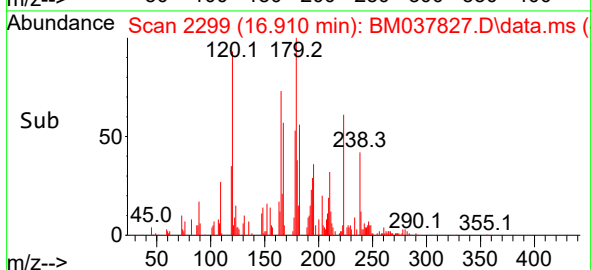
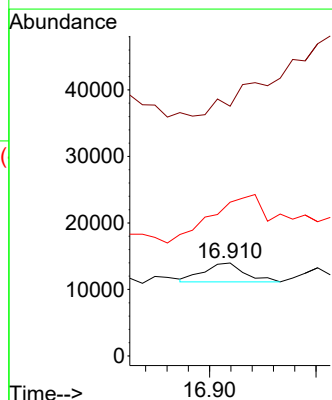
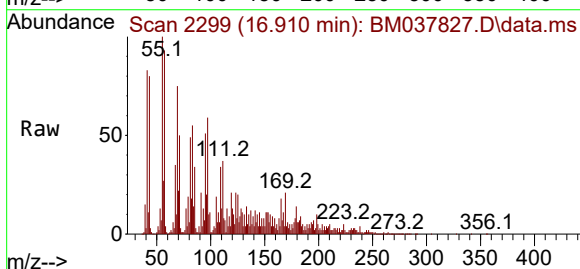
Tgt Ion:200 Resp: 3741

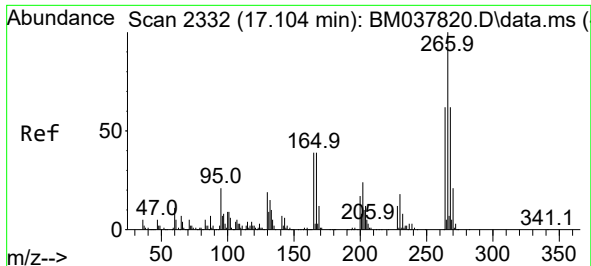
Ion Ratio Lower Upper

200 100

173 268.5 22.0 33.0#

215 165.3 40.0 60.0#

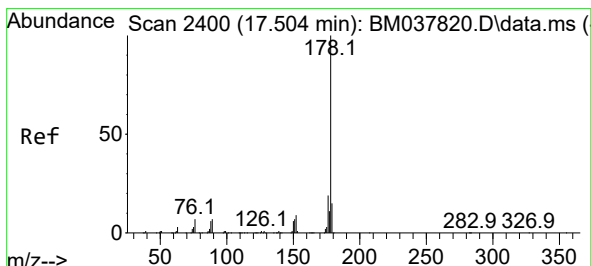
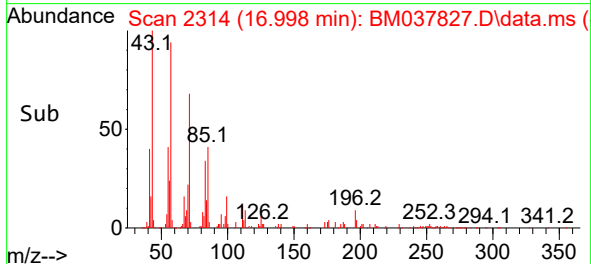
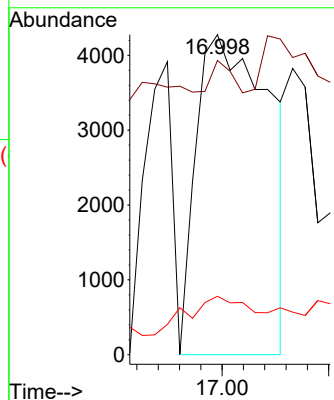
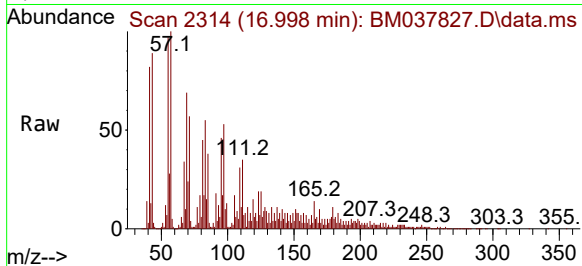




#71
 Pentachlorophenol
 Concen: 167.911 ng/ul
 RT: 16.998 min Scan# 21
 Delta R.T. -0.112 min
 Lab File: BM037827.D
 Acq: 02 Dec 2022 13:56

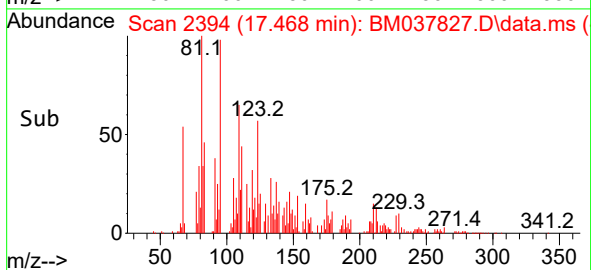
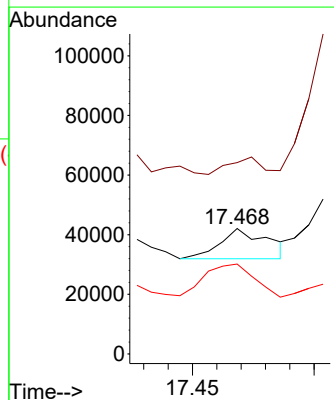
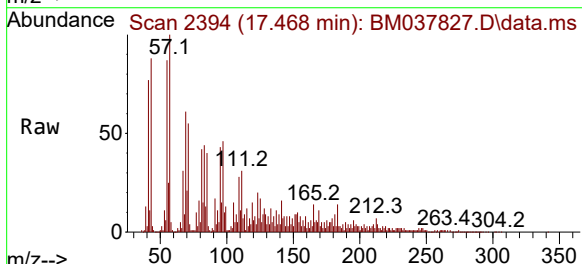
Instrument :
 BNA_M
 ClientSampleId :
 GBNJ6

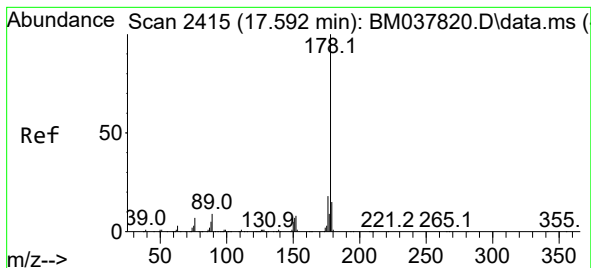
Tgt Ion:266 Resp: 10174
 Ion Ratio Lower Upper
 266 100
 264 92.0 50.3 75.5#
 268 18.2 52.2 78.2#



#72
 Phenanthrene
 Concen: 30.728 ng/ul
 RT: 17.468 min Scan# 2394
 Delta R.T. -0.036 min
 Lab File: BM037827.D
 Acq: 02 Dec 2022 13:56

Tgt Ion:178 Resp: 13691
 Ion Ratio Lower Upper
 178 100
 179 152.5 12.5 18.7#
 176 71.7 15.3 22.9#





#74

Anthracene

Concen: 1075.315 ng/uI

RT: 17.574 min Scan# 2415

Delta R.T. -0.024 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

Instrument :

BNA_M

ClientSampleId :

GBNJ6

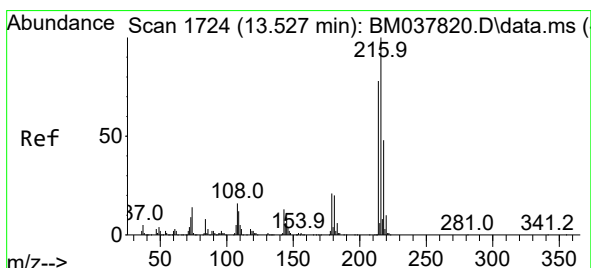
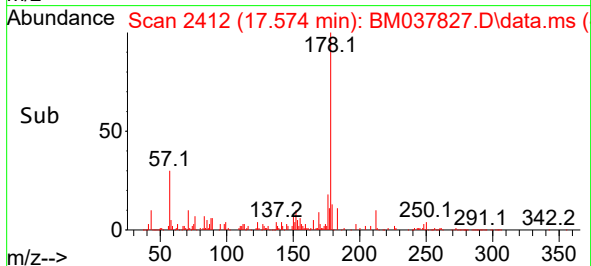
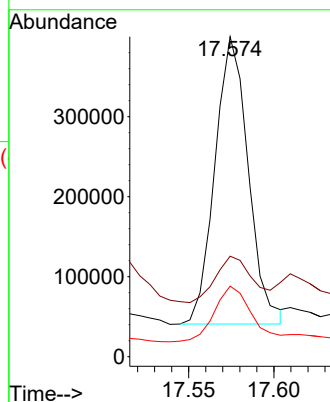
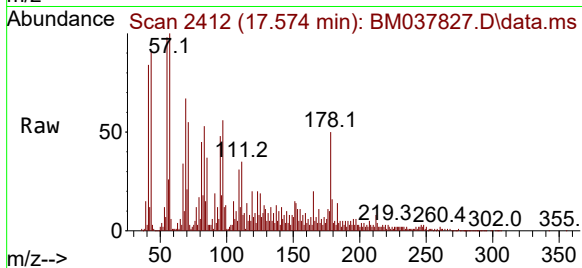
Tgt Ion:178 Resp: 488761

Ion Ratio Lower Upper

178 100

179 31.4 12.2 18.4#

176 22.1 14.8 22.2



#75

1,2,3,4-Tetrachlorobenzene

Concen: 1.281 ng/uI

RT: 13.539 min Scan# 1726

Delta R.T. 0.006 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

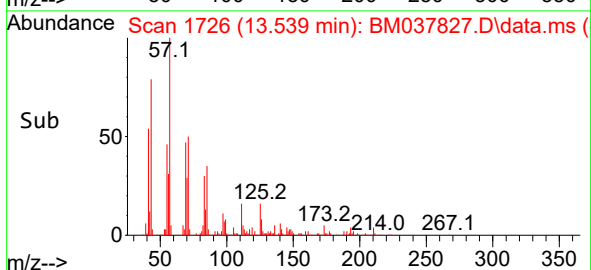
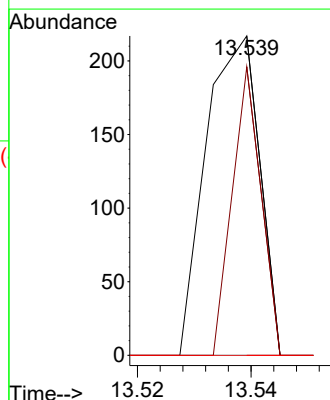
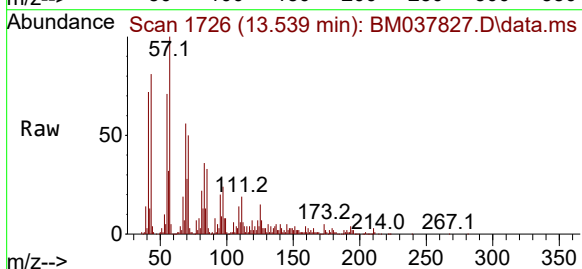
Tgt Ion:216 Resp: 142

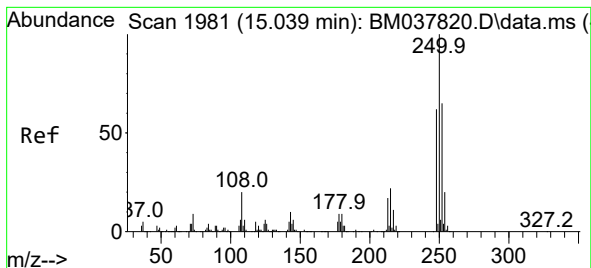
Ion Ratio Lower Upper

216 100

214 90.3 63.0 94.6

218 0.0 40.0 60.0#





#76

Pentachlorobenzene

Concen: 175.375 ng/uL

RT: 15.051 min Scan# 1983

Delta R.T. 0.011 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

Instrument :

BNA_M

ClientSampleId :

GBNJ6

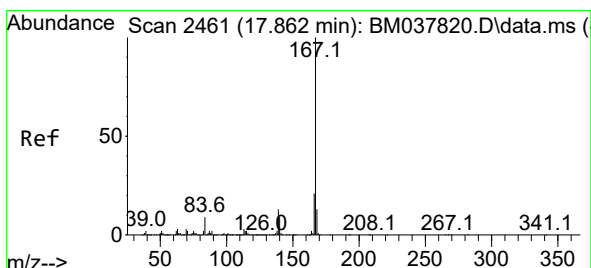
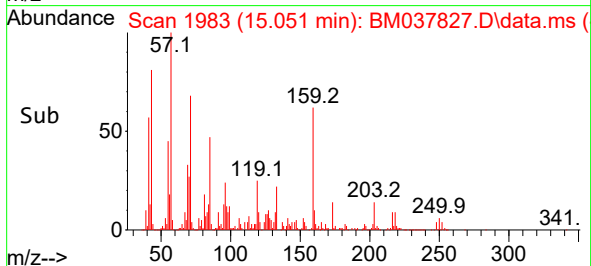
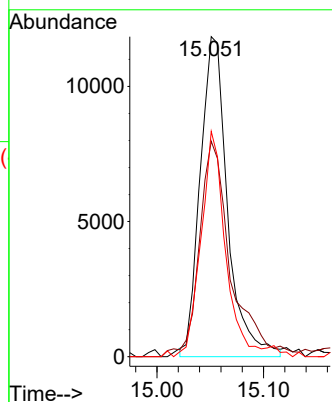
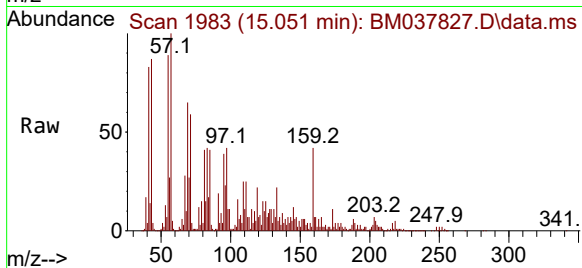
Tgt Ion:250 Resp: 21149

Ion Ratio Lower Upper

250 100

248 67.3 50.5 75.7

252 70.4 51.1 76.7



#77

Carbazole

Concen: 26.004 ng/uL

RT: 17.857 min Scan# 2460

Delta R.T. -0.006 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

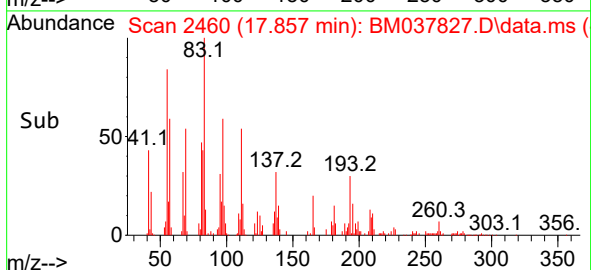
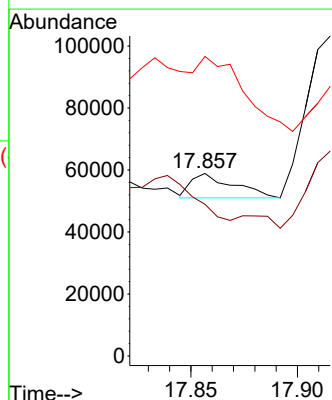
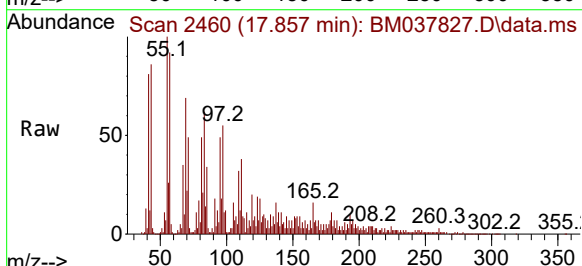
Tgt Ion:167 Resp: 10877

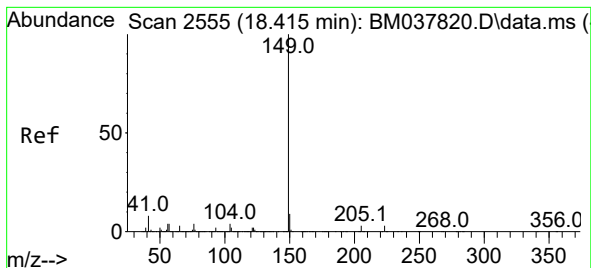
Ion Ratio Lower Upper

167 100

166 83.1 17.2 25.8#

139 164.0 10.0 15.0#





#78

Di-n-butylphthalate

Concen: 35.762 ng/ul

RT: 18.410 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

Instrument :

BNA_M

ClientSampleId :

GBNJ6

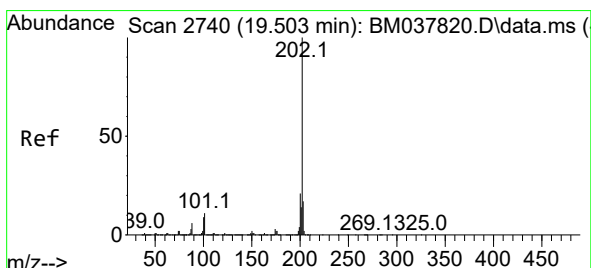
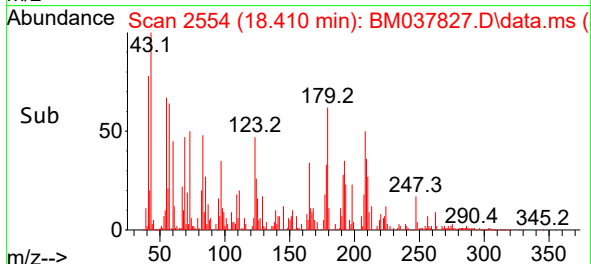
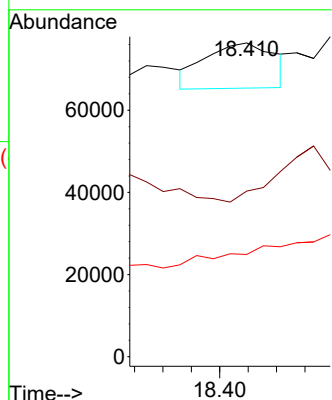
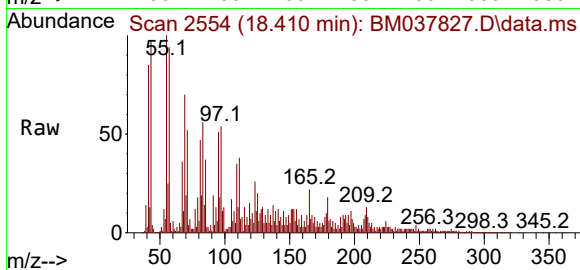
Tgt Ion:149 Resp: 18807

Ion Ratio Lower Upper

149 100

150 52.8 7.4 11.2#

104 32.6 3.4 5.0#



#80

Fluoranthene

Concen: 5342.481 ng/ul

RT: 19.556 min Scan# 2749

Delta R.T. 0.047 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

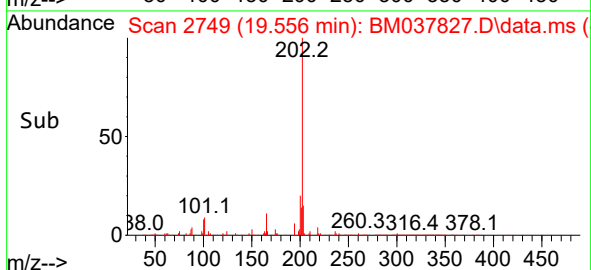
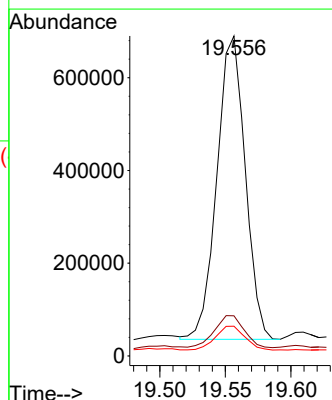
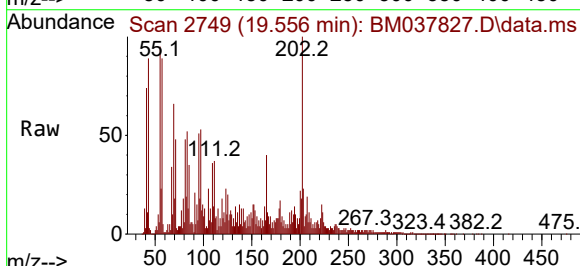
Tgt Ion:202 Resp: 981951

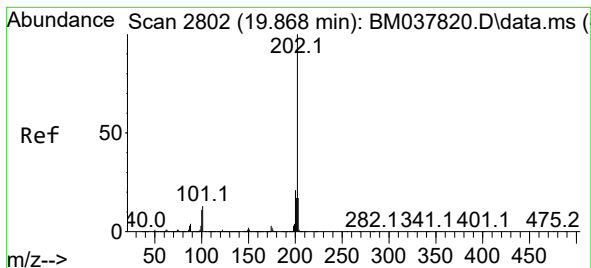
Ion Ratio Lower Upper

202 100

101 12.5 9.7 14.5

100 9.3 7.7 11.5





#82

Pyrene

Concen: 10980.453 ng/u1

RT: 19.921 min Scan# 2

Delta R.T. 0.047 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

Instrument :

BNA_M

ClientSampleId :

GBNJ6

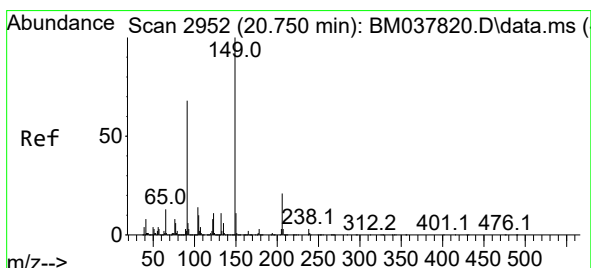
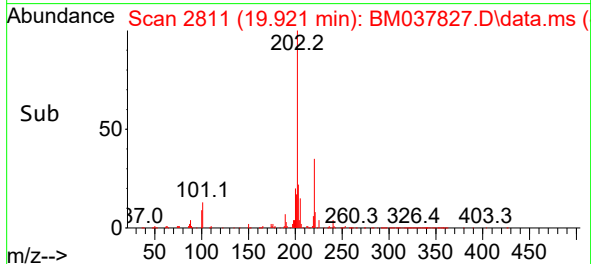
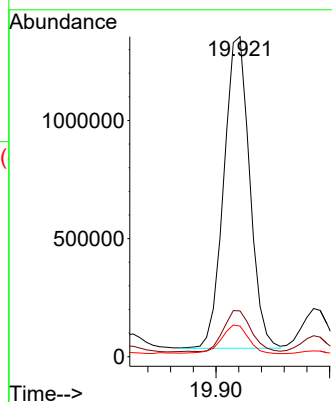
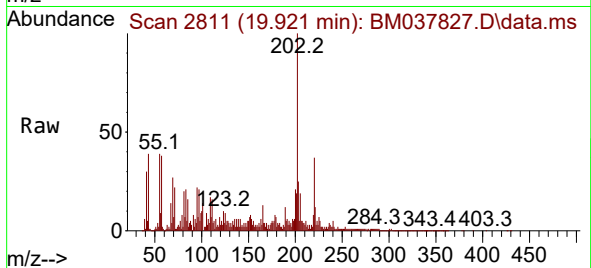
Tgt Ion:202 Resp: 2083860

Ion Ratio Lower Upper

202 100

101 14.3 11.0 16.4

100 9.6 9.0 13.6



#83

Butylbenzylphthalate

Concen: 71.340 ng/u1

RT: 20.733 min Scan# 2949

Delta R.T. -0.024 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

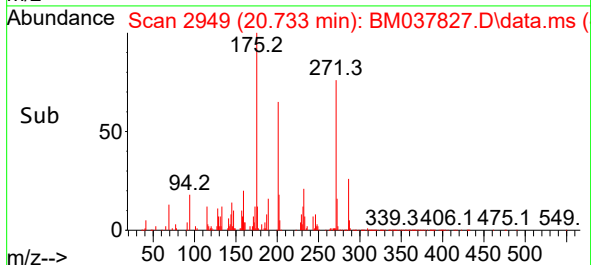
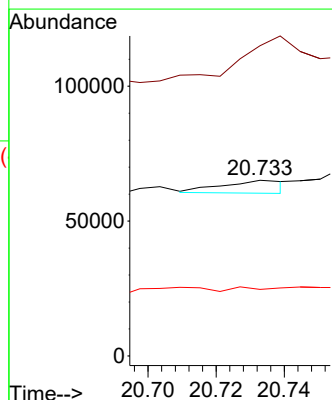
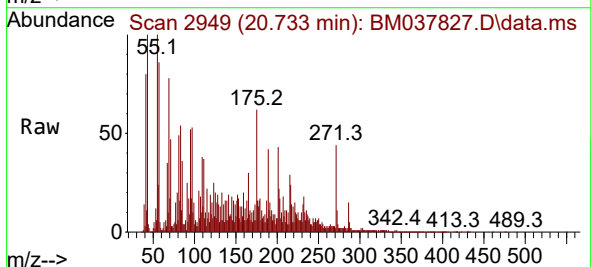
Tgt Ion:149 Resp: 5903

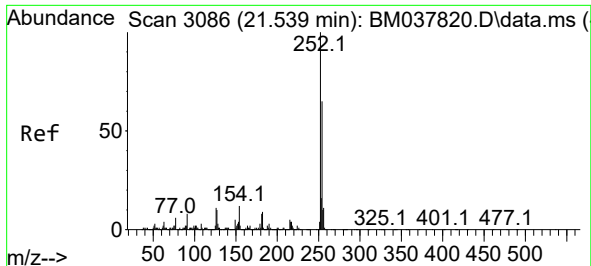
Ion Ratio Lower Upper

149 100

91 176.5 51.7 77.5#

206 37.9 17.1 25.7#

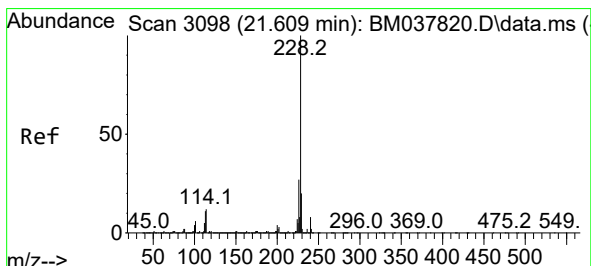
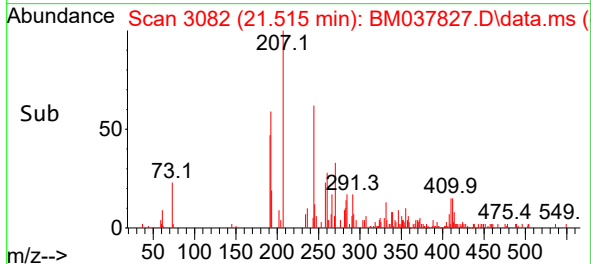
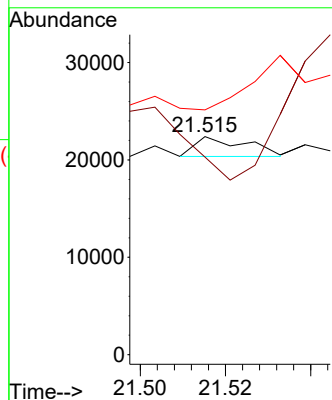
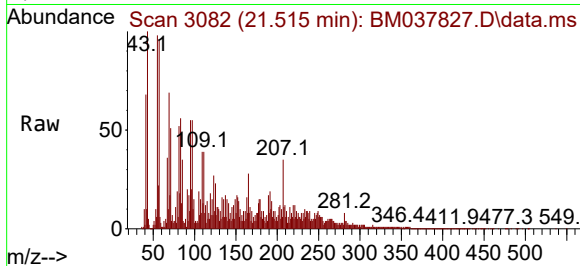




#84
3,3'-Dichlorobenzidine
Concen: 27.803 ng/ul
RT: 21.515 min Scan# 3082
Delta R.T. -0.030 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

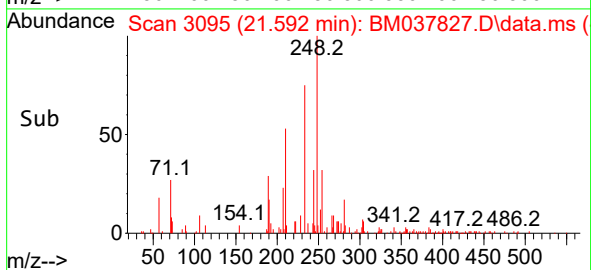
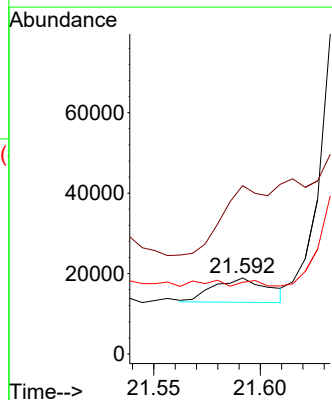
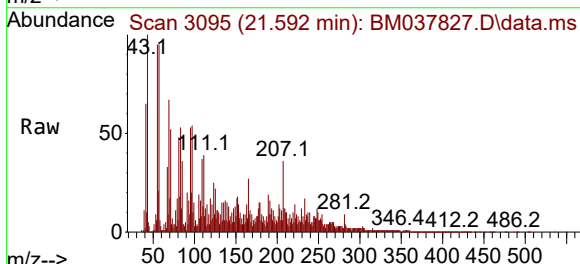
Instrument :
BNA_M
ClientSampleId :
GBNJ6

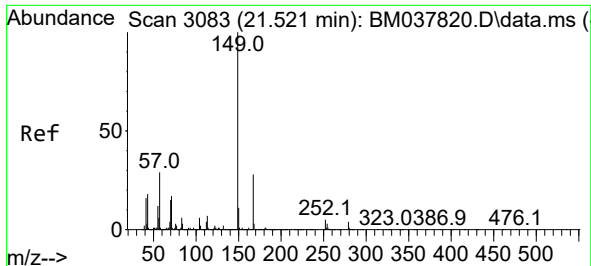
Tgt Ion:252 Resp: 1692
Ion Ratio Lower Upper
252 100
254 90.6 52.2 78.4#
126 112.3 8.8 13.2#



#85
Benzo(a)anthracene
Concen: 58.441 ng/ul
RT: 21.592 min Scan# 3095
Delta R.T. -0.024 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

Tgt Ion:228 Resp: 10862
Ion Ratio Lower Upper
228 100
229 221.3 16.2 24.2#
226 94.3 22.3 33.5#

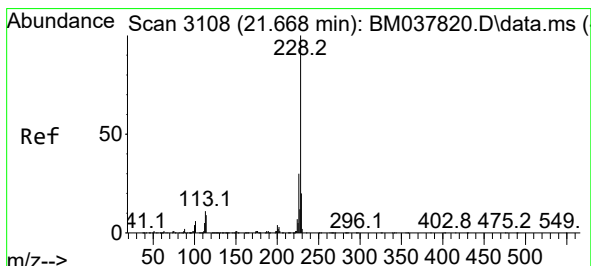
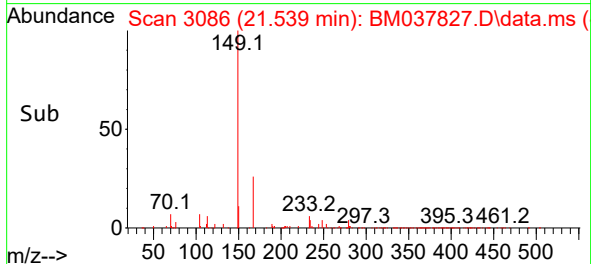
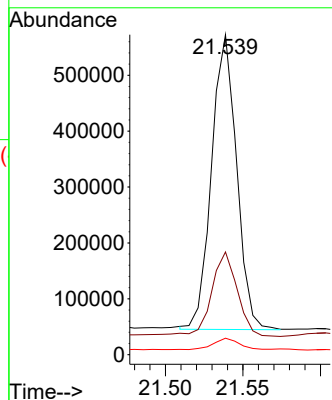
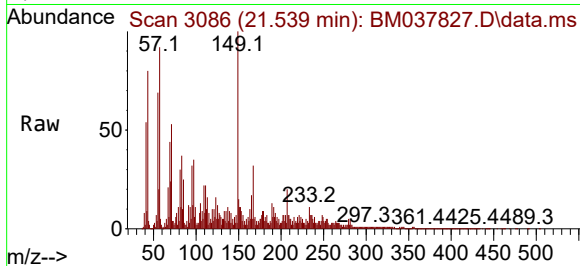




#86
Bis(2-ethylhexyl)phthalate
Concen: 4747.525 ng/ul
RT: 21.539 min Scan# 3086
Delta R.T. 0.011 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

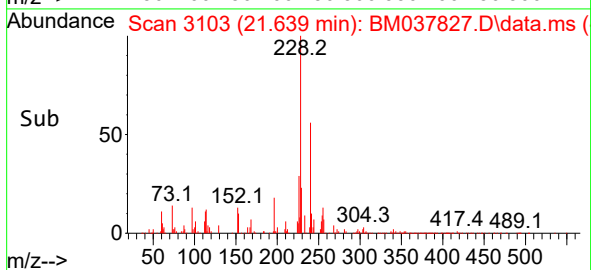
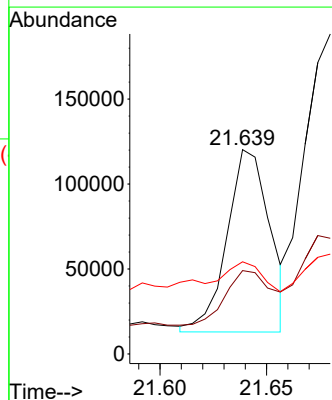
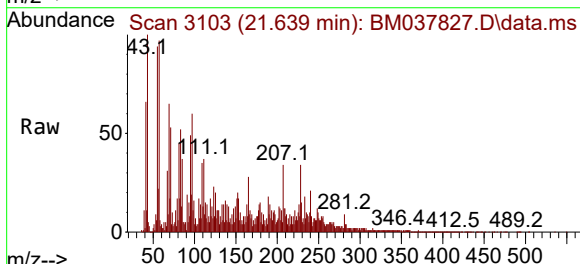
Instrument :
BNA_M
ClientSampleId :
GBNJ6

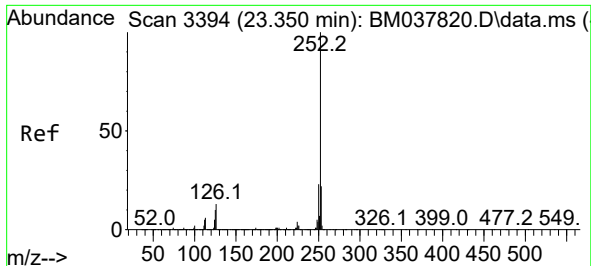
Tgt Ion:149 Resp: 593585
Ion Ratio Lower Upper
149 100
167 32.1 23.3 34.9
279 5.2 3.6 5.4



#87
Chrysene
Concen: 866.541 ng/ul
RT: 21.639 min Scan# 3103
Delta R.T. -0.036 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

Tgt Ion:228 Resp: 149922
Ion Ratio Lower Upper
228 100
226 40.8 24.2 36.2#
229 45.1 15.8 23.6#

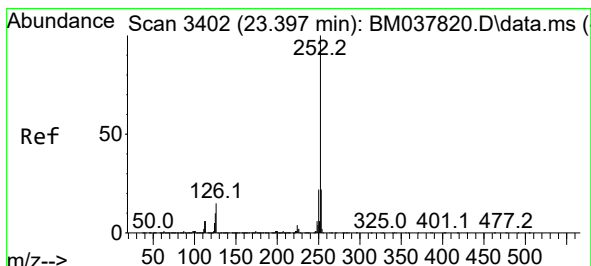
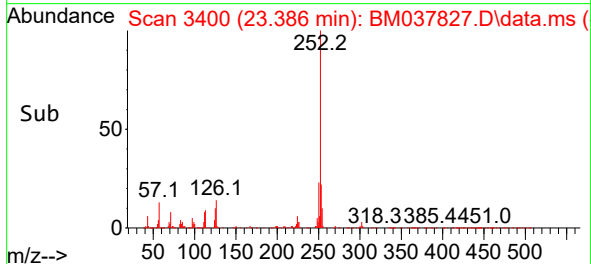
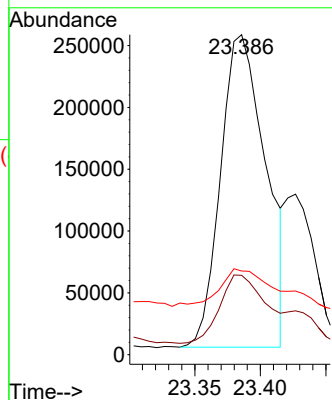
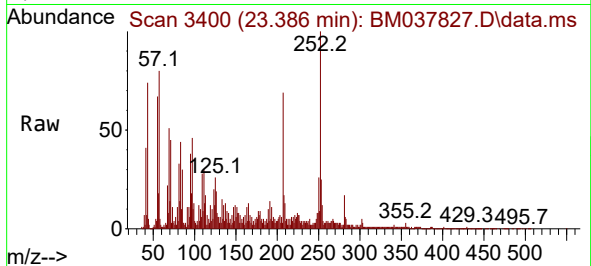




#90
Benzo(b)fluoranthene
Concen: 11.715 ng/ul
RT: 23.386 min Scan# 3400
Delta R.T. 0.029 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

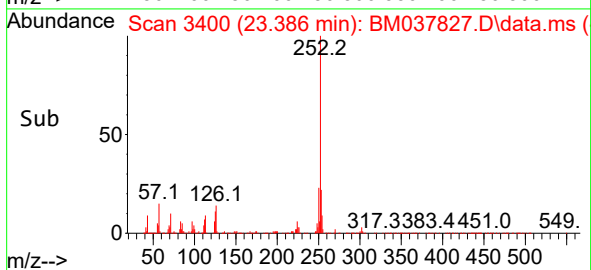
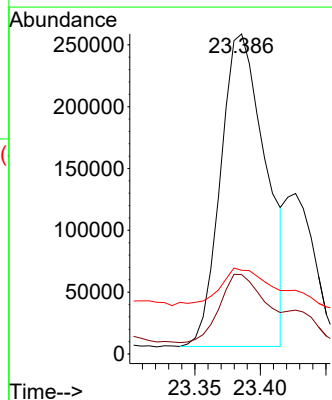
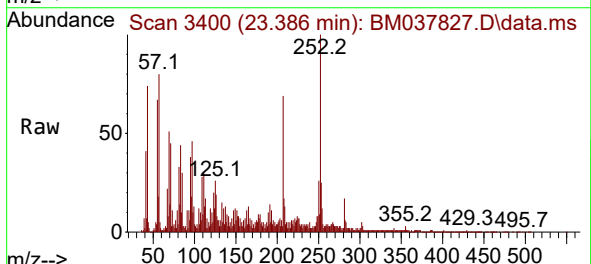
Instrument :
BNA_M
ClientSampleId :
GBNJ6

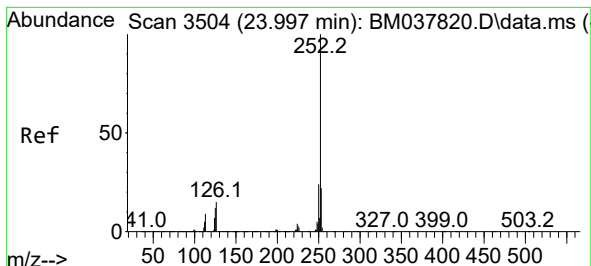
Tgt Ion:252 Resp: 604403
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 26.2 9.3 13.9#



#91
Benzo(k)fluoranthene
Concen: 12.144 ng/ul
RT: 23.386 min Scan# 3400
Delta R.T. -0.024 min
Lab File: BM037827.D
Acq: 02 Dec 2022 13:56

Tgt Ion:252 Resp: 604403
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 26.2 9.3 13.9#





#93

Benzo(a)pyrene

Concen: 4.092 ng/ul

RT: 24.039 min Scan# 3

Delta R.T. 0.029 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

Instrument :

BNA_M

ClientSampleId :

GBNJ6

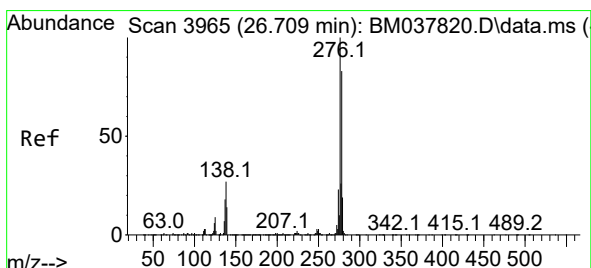
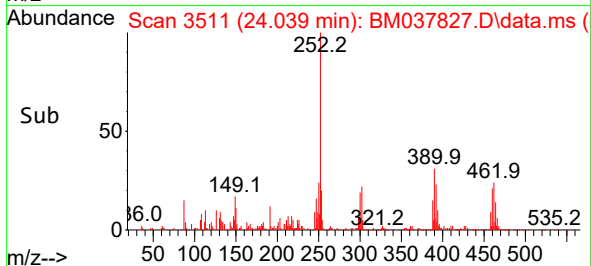
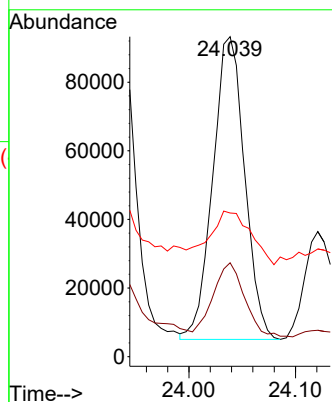
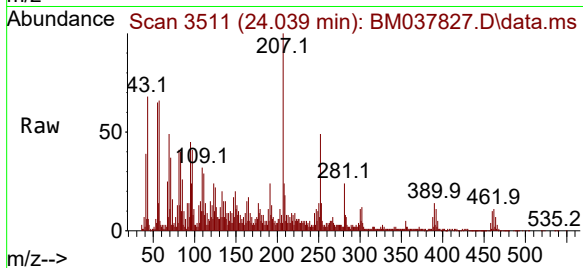
Tgt Ion:252 Resp: 183092

Ion Ratio Lower Upper

252 100

253 29.4 17.4 26.2#

125 44.9 10.2 15.4#



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.505 ng/ul

RT: 26.780 min Scan# 3977

Delta R.T. 0.058 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

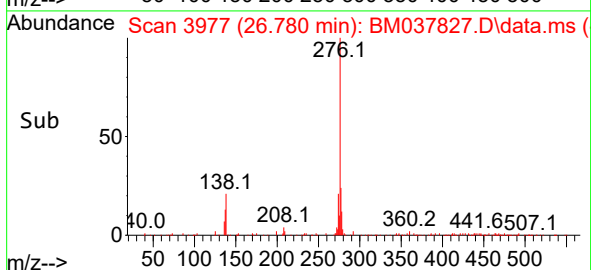
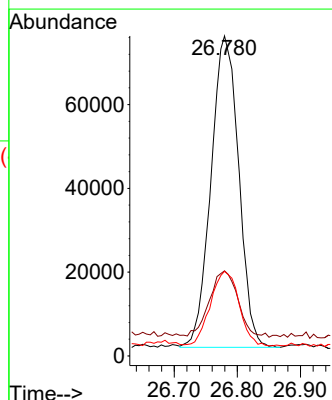
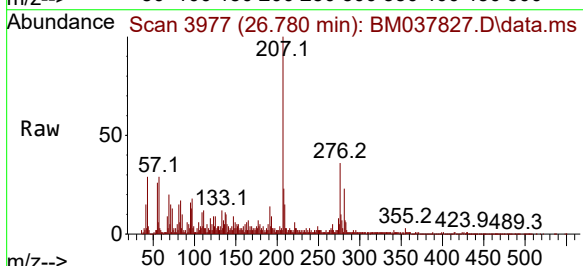
Tgt Ion:276 Resp: 226618

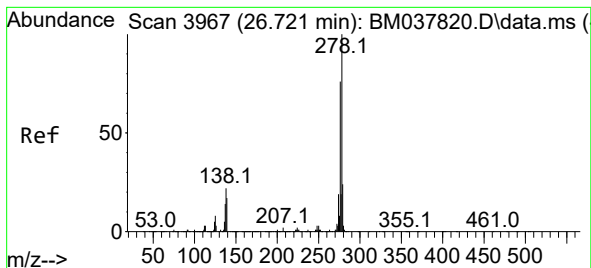
Ion Ratio Lower Upper

276 100

138 26.6 22.7 34.1

277 26.4 20.1 30.1





#95

Dibenzo(a,h)anthracene

Concen: 1.006 ng/ul

RT: 26.791 min Scan# 3967

Delta R.T. 0.053 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

Instrument :

BNA_M

ClientSampleId :

GBNJ6

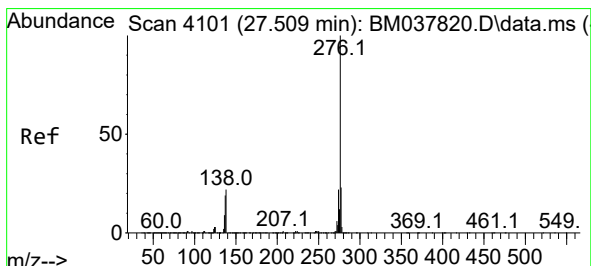
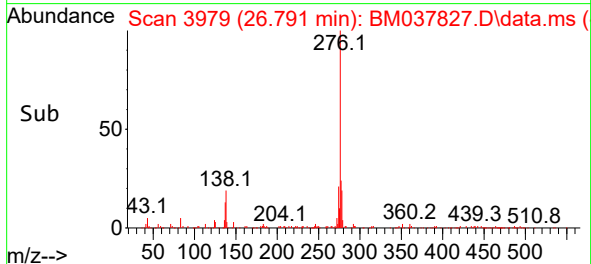
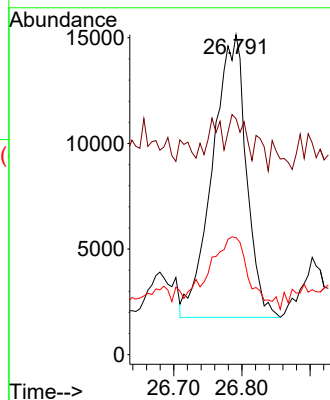
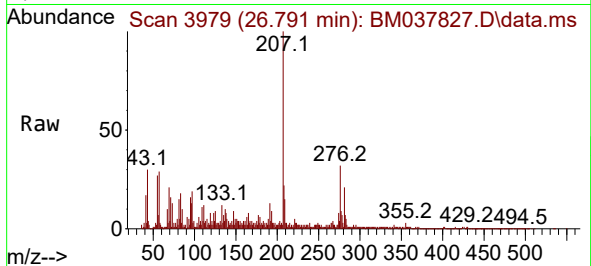
Tgt Ion:278 Resp: 46072

Ion Ratio Lower Upper

278 100

139 73.7 13.9 20.9#

279 36.6 19.0 28.6#



#96

Benzo(g,h,i)perylene

Concen: 4.164 ng/ul

RT: 27.579 min Scan# 4113

Delta R.T. 0.053 min

Lab File: BM037827.D

Acq: 02 Dec 2022 13:56

Tgt Ion:276 Resp: 182771

Ion Ratio Lower Upper

276 100

138 29.1 19.2 28.8#

277 26.7 19.1 28.7

