

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022484.D
 Acq On : 03 Nov 2022 19:14
 Operator : CG/JU
 Sample : PB148780BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB148780BL

Quant Time: Nov 04 04:07:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 03:28:17 2022
 Response via : Initial Calibration

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

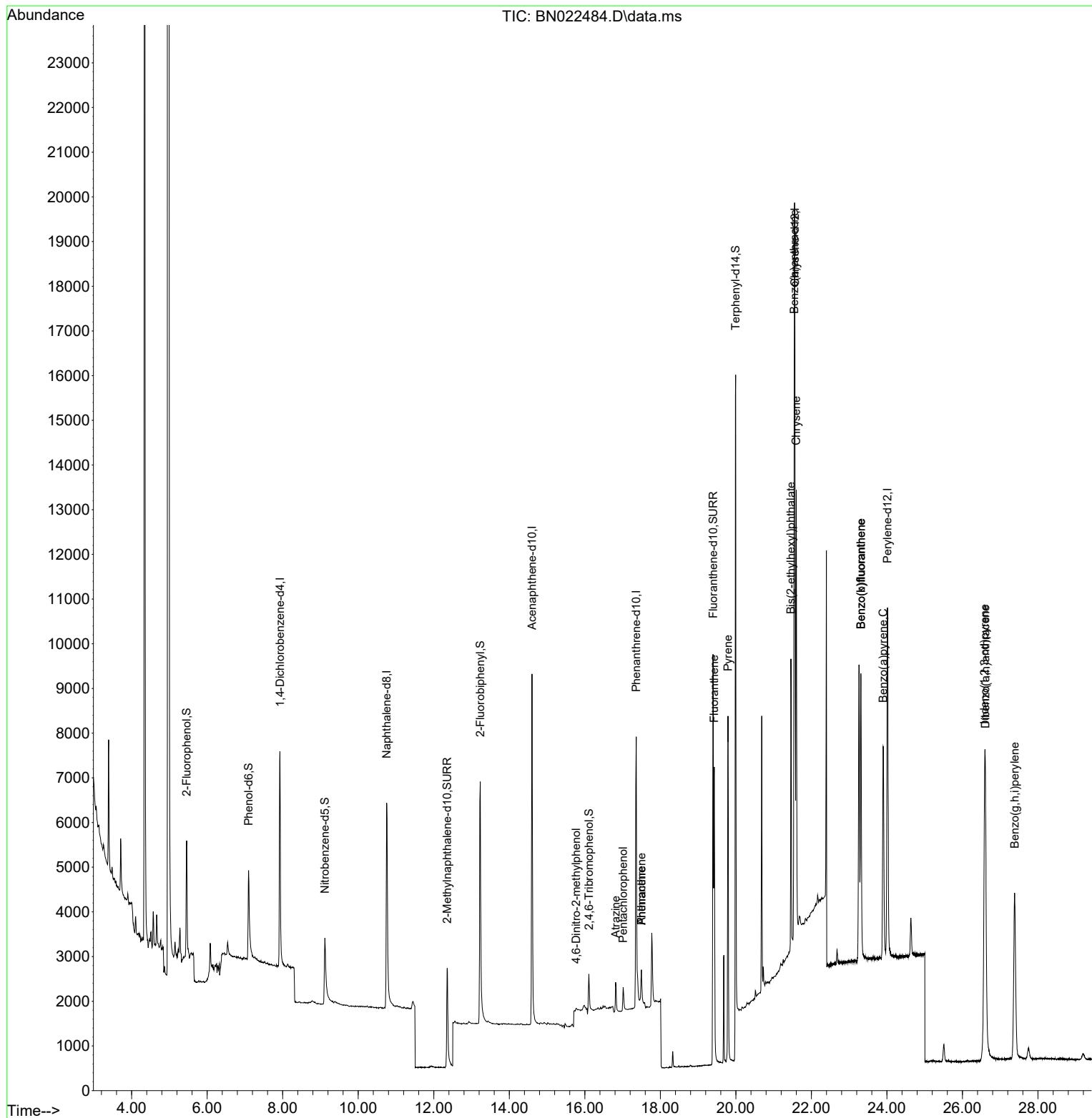
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	2823	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	8582	0.400	ng	# 0.00
13) Acenaphthene-d10	14.600	164	5092	0.400	ng	0.00
19) Phenanthrene-d10	17.362	188	9953	0.400	ng	# 0.01
29) Chrysene-d12	21.564	240	12818	0.400	ng	0.00
35) Perylene-d12	24.014	264	11933	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.458	112	2511	0.315	ng	0.00
5) Phenol-d6	7.097	99	3243	0.323	ng	0.00
8) Nitrobenzene-d5	9.118	82	2345	0.302	ng	0.01
11) 2-Methylnaphthalene-d10	12.357	152	4434	0.308	ng	0.00
14) 2,4,6-Tribromophenol	16.109	330	631	0.236	ng	0.01
15) 2-Fluorobiphenyl	13.231	172	6553	0.309	ng	0.01
27) Fluoranthene-d10	19.399	212	10350	0.381	ng	0.00
31) Terphenyl-d14	19.993	244	23537	0.589	ng	0.00
Target Compounds						Qvalue
20) 4,6-Dinitro-2-methylph...	15.774	198	79	0.262	ng	# 23
23) Atrazine	16.816	200	661	0.119	ng	# 89
24) Pentachlorophenol	17.015	266	350	0.267	ng	92
25) Phenanthrene	17.499	178	1082	0.033	ng	96
26) Anthracene	17.499	178	1034	0.035	ng	95
28) Fluoranthene	19.428	202	6096	0.170	ng	# 92
30) Pyrene	19.791	202	7036	0.127	ng	99
32) Benzo(a)anthracene	21.546	228	8260	0.160	ng	100
33) Chrysene	21.600	228	8861	0.174	ng	99
34) Bis(2-ethylhexyl)phtha...	21.457	149	6658	0.153	ng	98
36) Indeno(1,2,3-cd)pyrene	26.587	276	10257	0.179	ng	99
37) Benzo(b)fluoranthene	23.309	252	9010	0.192	ng	95
38) Benzo(k)fluoranthene	23.309	252	8693	0.182	ng	94
39) Benzo(a)pyrene	23.903	252	7009	0.174	ng	# 80
40) Dibenzo(a,h)anthracene	26.607	278	8193	0.179	ng	96
41) Benzo(g,h,i)perylene	27.382	276	8597	0.177	ng	98

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

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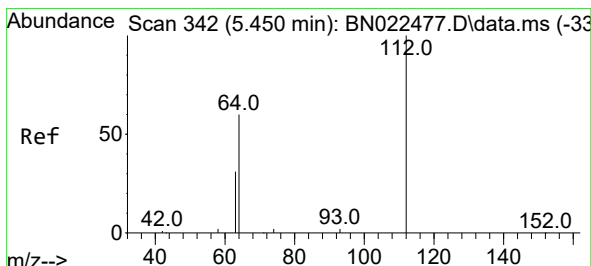
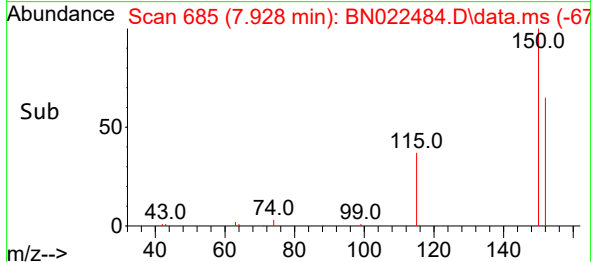
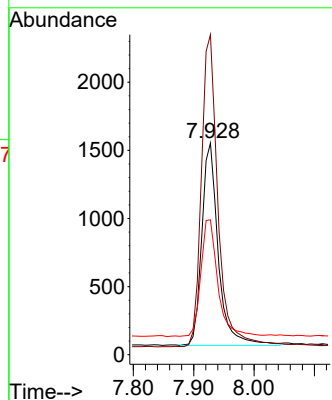
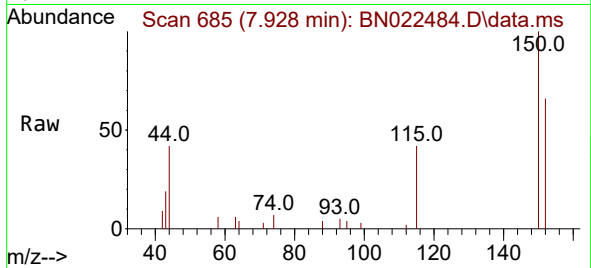




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.928 min Scan# 61
 Delta R.T. 0.008 min
 Lab File: BN022484.D
 Acq: 03 Nov 2022 19:14

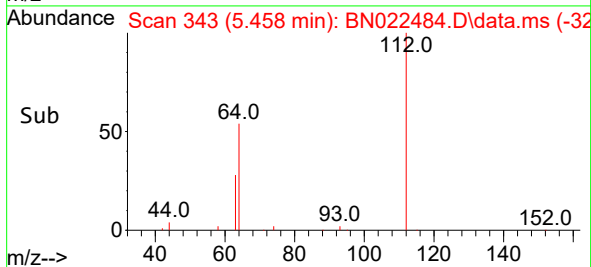
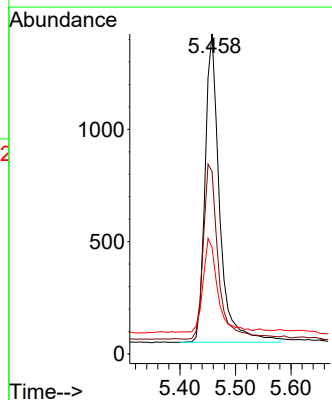
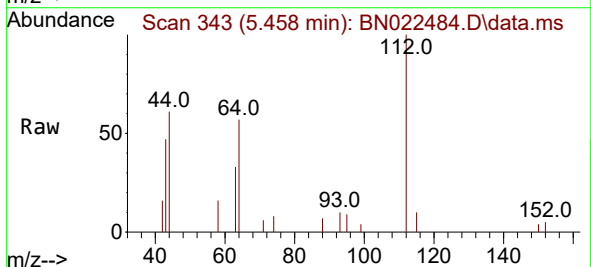
Instrument :
 BNA_N
 ClientSampleId :
 PB148780BL

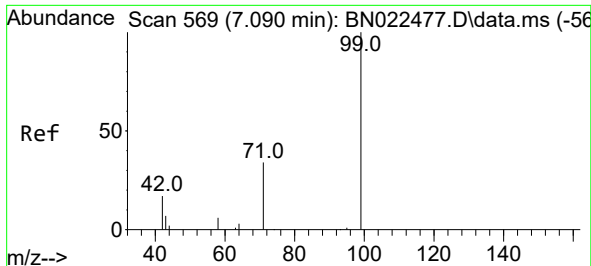
Tgt Ion:152 Resp: 2823
 Ion Ratio Lower Upper
 152 100
 150 151.2 123.4 185.2
 115 63.7 54.9 82.3



#4
 2-Fluorophenol
 Concen: 0.315 ng
 RT: 5.458 min Scan# 343
 Delta R.T. 0.007 min
 Lab File: BN022484.D
 Acq: 03 Nov 2022 19:14

Tgt Ion:112 Resp: 2511
 Ion Ratio Lower Upper
 112 100
 64 58.6 47.1 70.7
 63 29.7 24.6 36.8

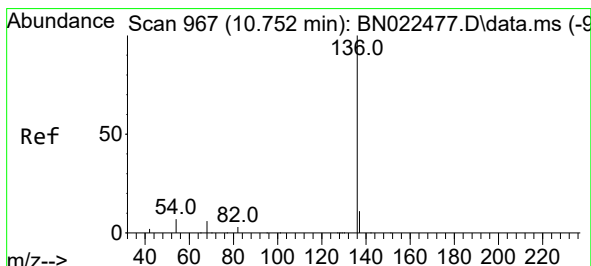
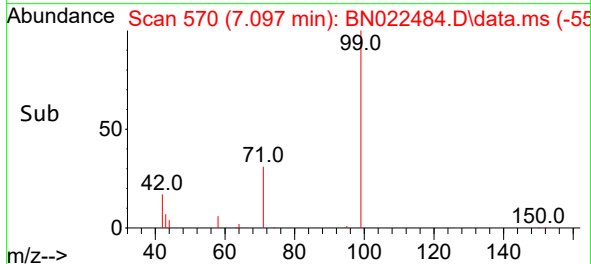
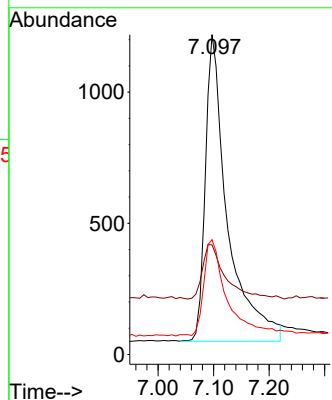
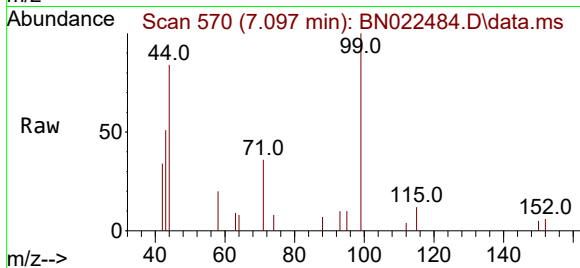




#5
Phenol-d6
Concen: 0.323 ng
RT: 7.097 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

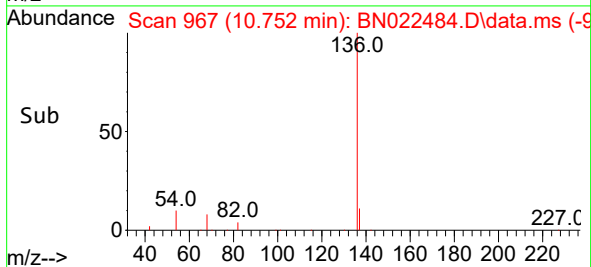
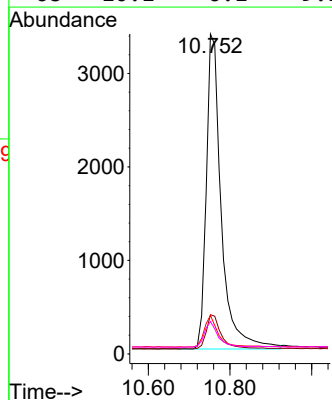
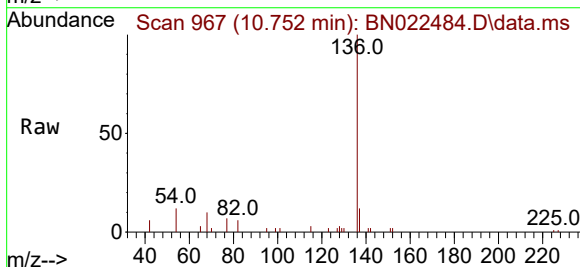
Instrument :
BNA_N
ClientSampleId :
PB148780BL

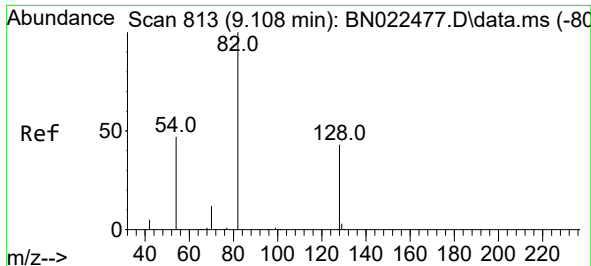
Tgt Ion: 99 Resp: 3243
Ion Ratio Lower Upper
99 100
42 18.4 14.7 22.1
71 32.5 27.0 40.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 967
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

Tgt Ion: 136 Resp: 8582
Ion Ratio Lower Upper
136 100
137 12.2 9.5 14.3
54 12.0 7.1 10.7#
68 10.1 6.1 9.1#

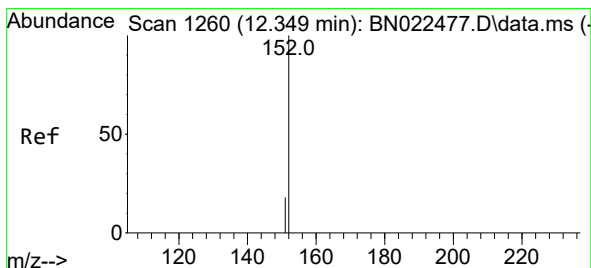
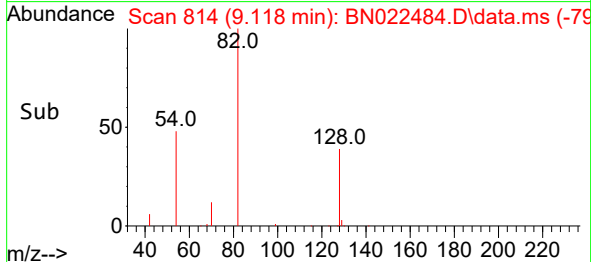
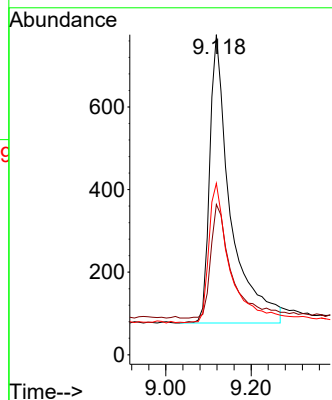
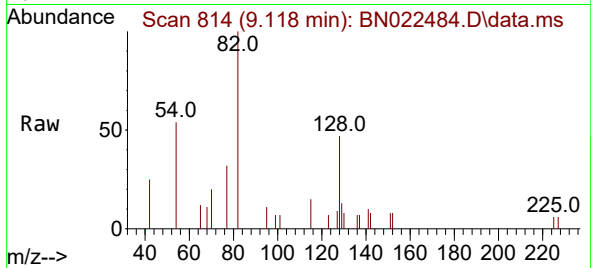




#8
Nitrobenzene-d5
Concen: 0.302 ng
RT: 9.118 min Scan# 81
Delta R.T. 0.011 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

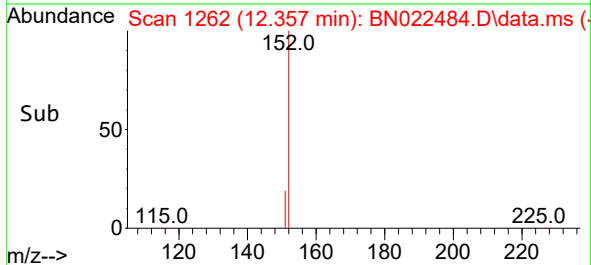
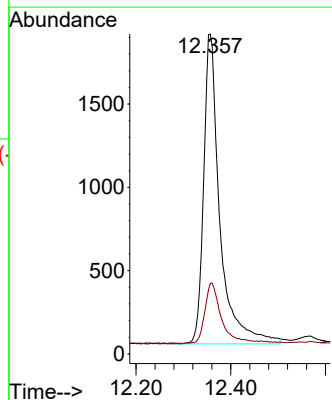
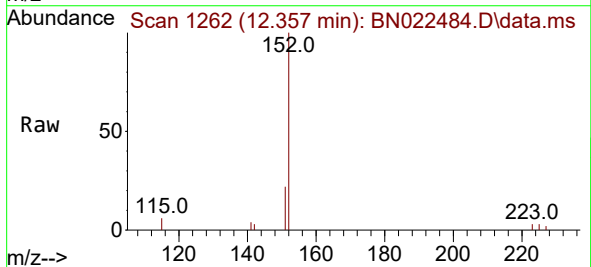
Instrument :
BNA_N
ClientSampleId :
PB148780BL

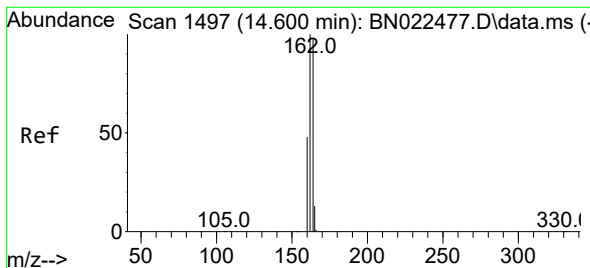
Tgt Ion: 82 Resp: 2345
Ion Ratio Lower Upper
82 100
128 47.0 37.3 55.9
54 53.5 40.0 60.0



#11
2-Methylnaphthalene-d10
Concen: 0.308 ng
RT: 12.357 min Scan# 1262
Delta R.T. 0.008 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

Tgt Ion: 152 Resp: 4434
Ion Ratio Lower Upper
152 100
151 19.6 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.600 min Scan# 14

Delta R.T. 0.000 min

Lab File: BN022484.D

Acq: 03 Nov 2022 19:14

Instrument :

BNA_N

ClientSampleId :

PB148780BL

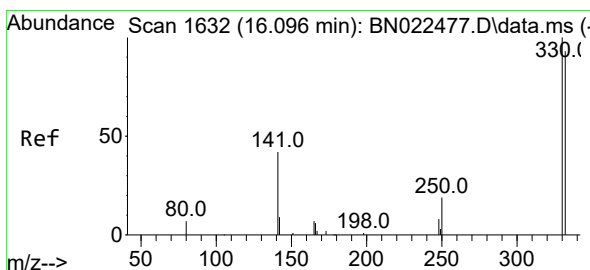
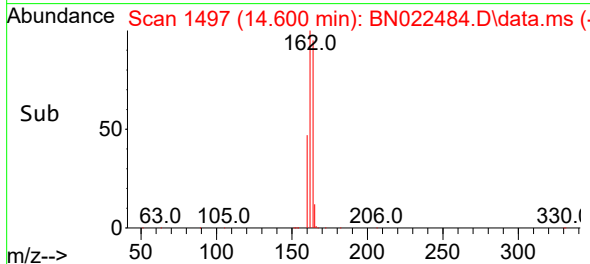
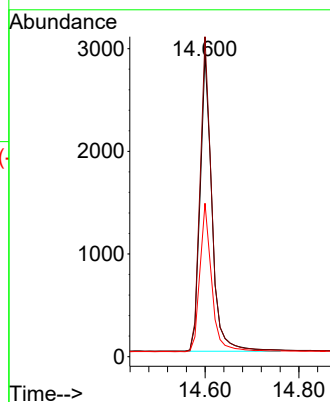
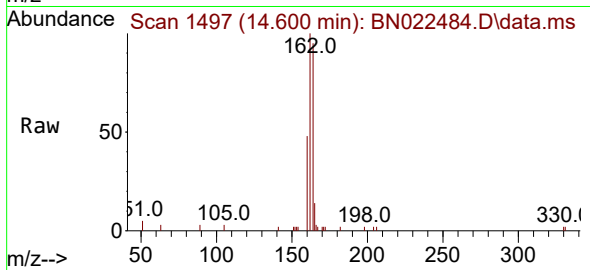
Tgt Ion:164 Resp: 5092

Ion Ratio Lower Upper

164 100

162 105.7 82.0 123.0

160 50.7 39.4 59.2



#14

2,4,6-Tribromophenol

Concen: 0.236 ng

RT: 16.109 min Scan# 1633

Delta R.T. 0.012 min

Lab File: BN022484.D

Acq: 03 Nov 2022 19:14

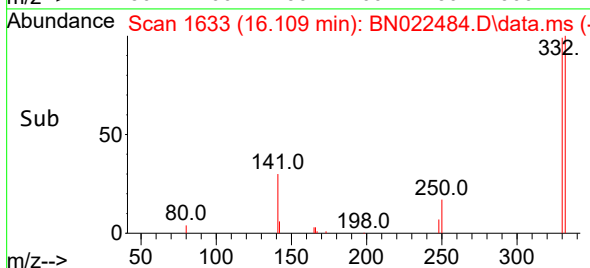
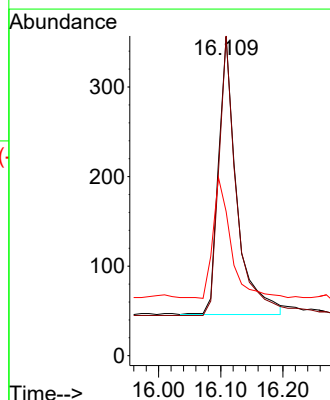
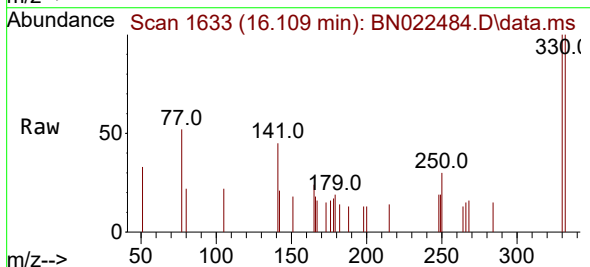
Tgt Ion:330 Resp: 631

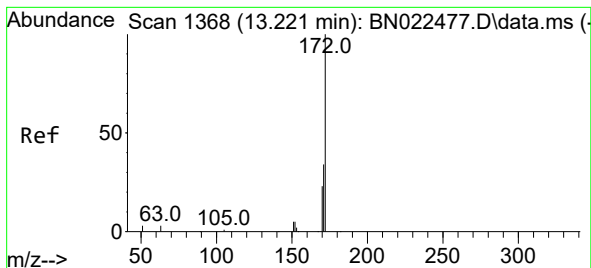
Ion Ratio Lower Upper

330 100

332 97.9 77.8 116.8

141 41.4 35.0 52.6





#15

2-Fluorobiphenyl

Concen: 0.309 ng

RT: 13.231 min Scan# 1369

Delta R.T. 0.011 min

Lab File: BN022484.D

Acq: 03 Nov 2022 19:14

Instrument :

BNA_N

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PB148780BL

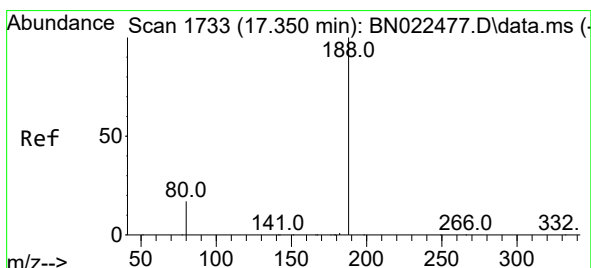
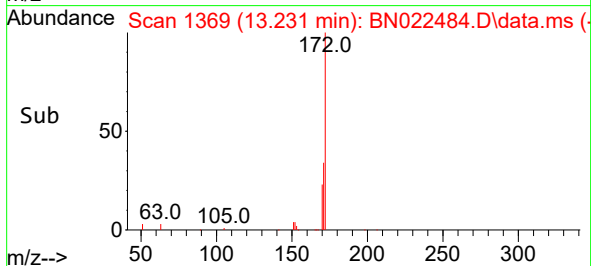
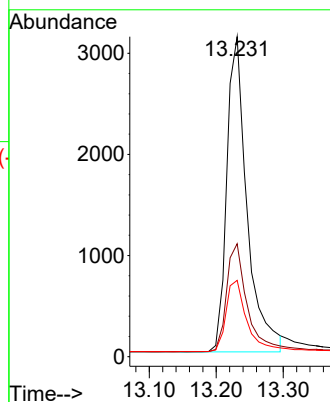
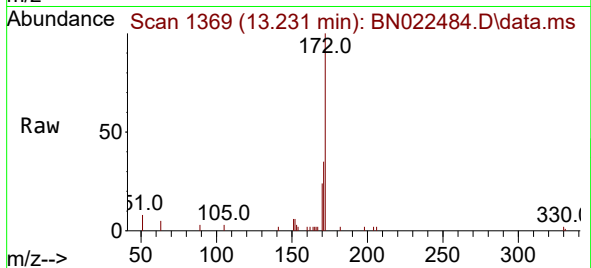
Tgt Ion:172 Resp: 6553

Ion Ratio Lower Upper

172 100

171 35.3 27.9 41.9

170 23.8 19.2 28.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.362 min Scan# 1734

Delta R.T. 0.012 min

Lab File: BN022484.D

Acq: 03 Nov 2022 19:14

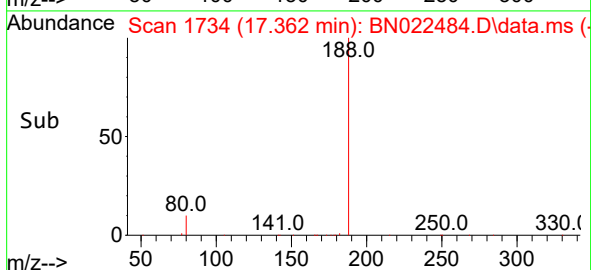
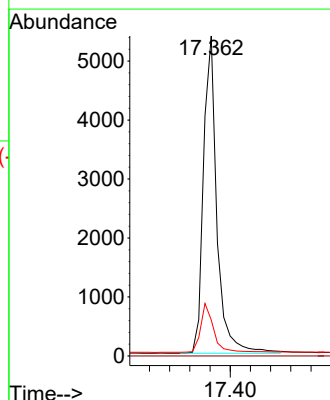
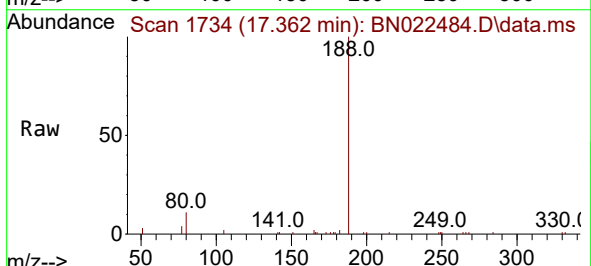
Tgt Ion:188 Resp: 9953

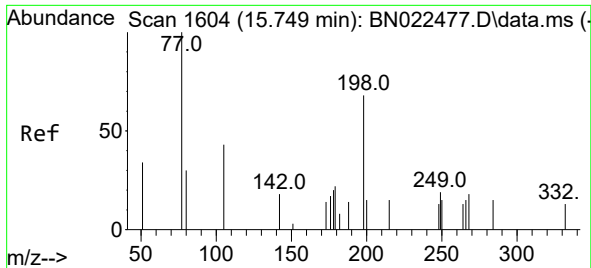
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.2 14.6 21.8#

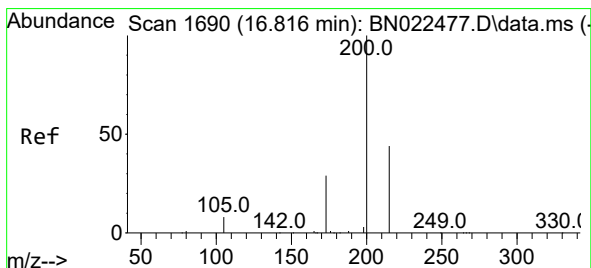
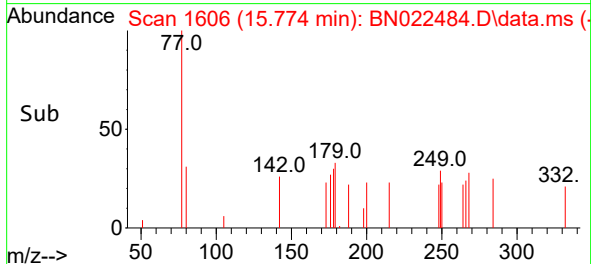
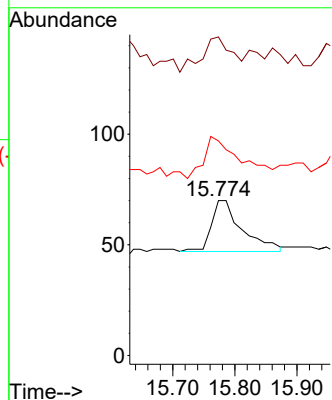
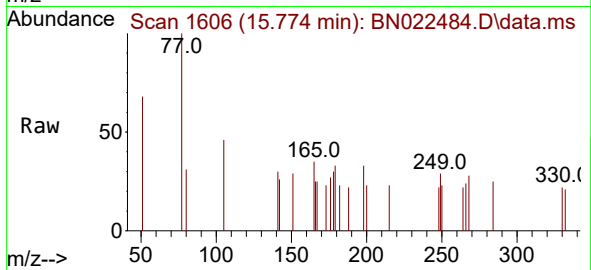




#20
4,6-Dinitro-2-methylphenol
Concen: 0.262 ng
RT: 15.774 min Scan# 1606
Delta R.T. 0.025 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

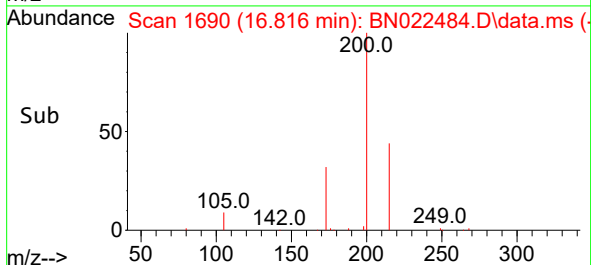
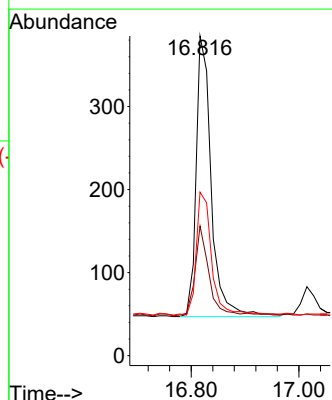
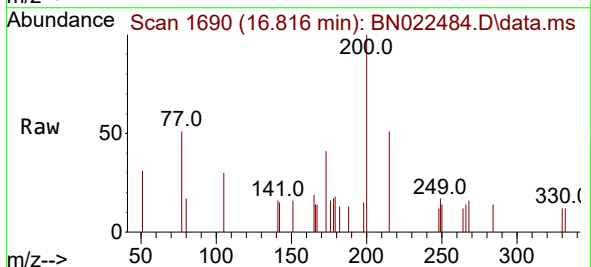
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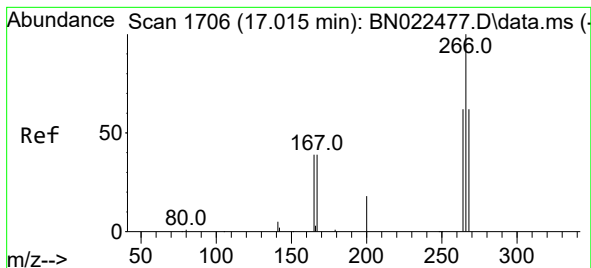
Tgt Ion:198 Resp: 79
Ion Ratio Lower Upper
198 100
51 205.7 83.8 125.8#
105 138.6 71.4 107.2#



#23
Atrazine
Concen: 0.119 ng
RT: 16.816 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

Tgt Ion:200 Resp: 661
Ion Ratio Lower Upper
200 100
173 40.5 25.2 37.8#
215 51.2 36.6 55.0





#24

Pentachlorophenol

Concen: 0.267 ng

RT: 17.015 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN022484.D

Acq: 03 Nov 2022 19:14

Instrument :

BNA_N

ClientSampleId :

PB148780BL

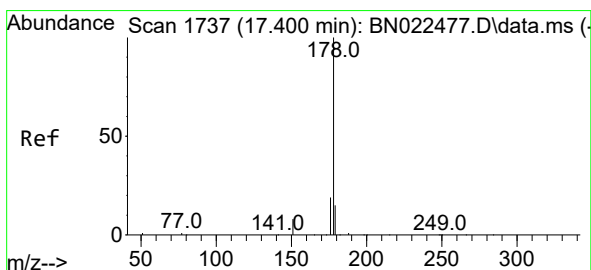
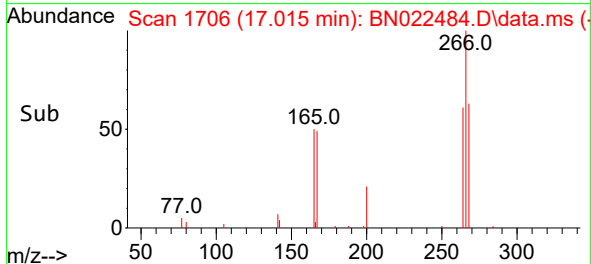
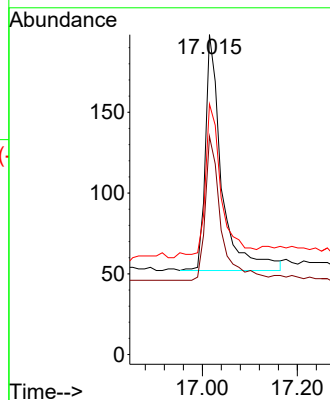
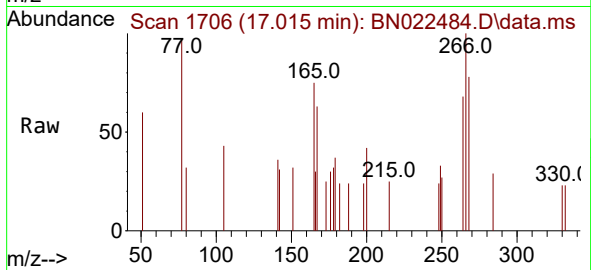
Tgt Ion:266 Resp: 350

Ion Ratio Lower Upper

266 100

264 58.6 50.6 75.8

268 59.7 54.1 81.1



#25

Phenanthrene

Concen: 0.033 ng

RT: 17.499 min Scan# 1745

Delta R.T. 0.099 min

Lab File: BN022484.D

Acq: 03 Nov 2022 19:14

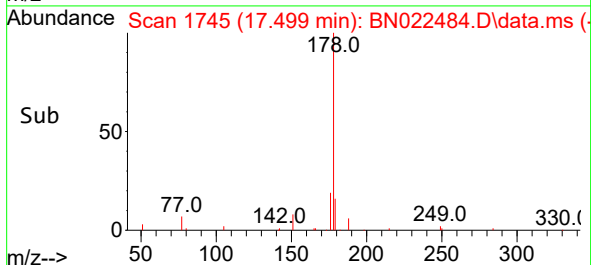
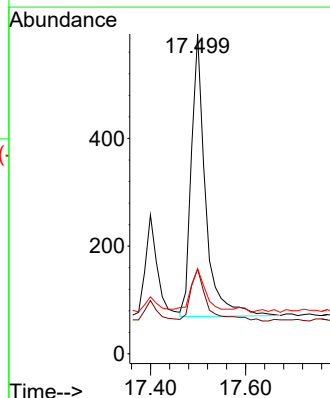
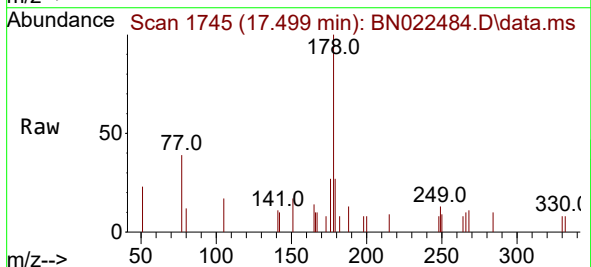
Tgt Ion:178 Resp: 1082

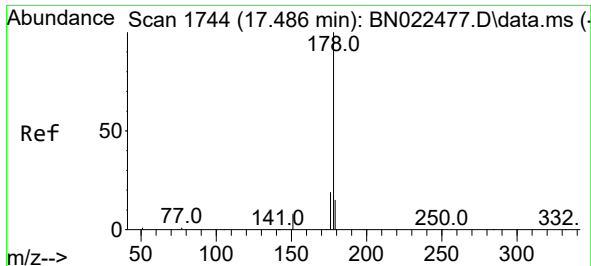
Ion Ratio Lower Upper

178 100

176 21.2 15.4 23.2

179 14.1 12.2 18.4

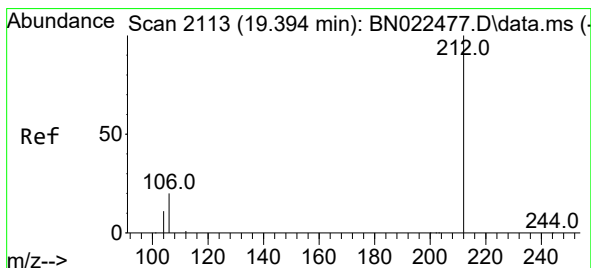
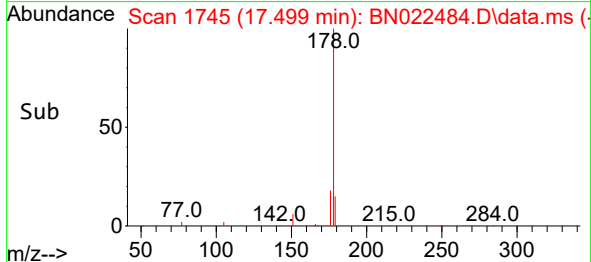
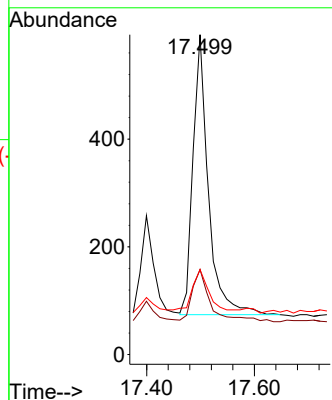
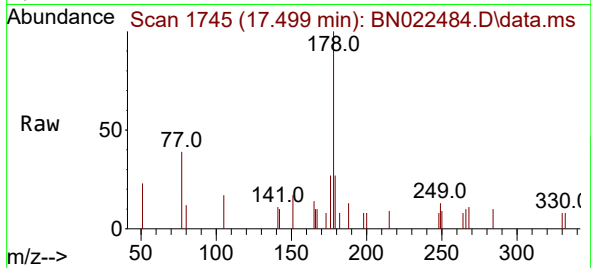




#26
 Anthracene
 Concen: 0.035 ng
 RT: 17.499 min Scan# 1114
 Delta R.T. 0.012 min
 Lab File: BN022484.D
 Acq: 03 Nov 2022 19:14

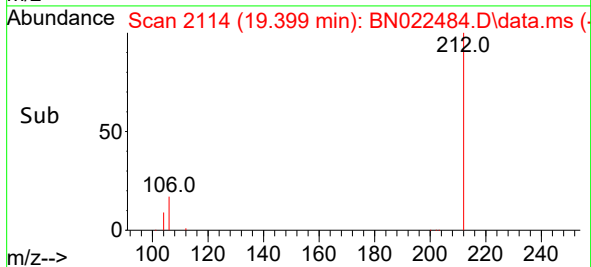
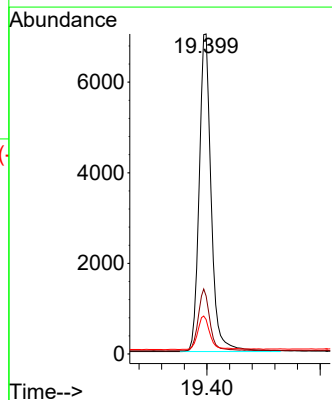
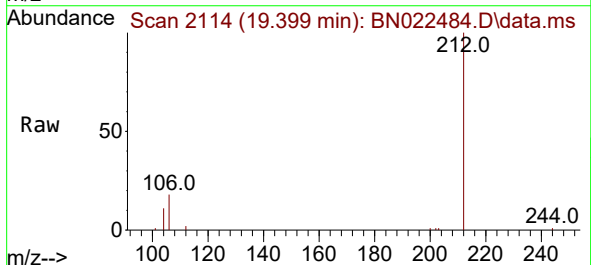
Instrument :
 BNA_N
 ClientSampleId :
 PB148780BL

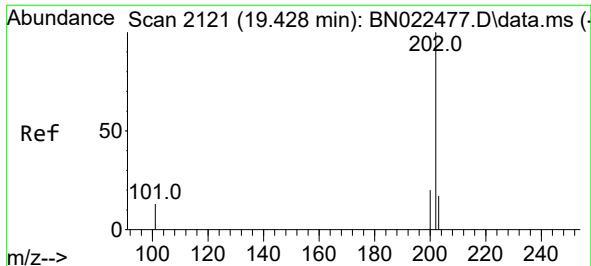
Tgt Ion:178 Resp: 1034
 Ion Ratio Lower Upper
 178 100
 176 22.1 14.8 22.2
 179 15.1 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.381 ng
 RT: 19.399 min Scan# 2114
 Delta R.T. 0.004 min
 Lab File: BN022484.D
 Acq: 03 Nov 2022 19:14

Tgt Ion:212 Resp: 10350
 Ion Ratio Lower Upper
 212 100
 106 19.0 15.2 22.8
 104 10.6 8.6 12.8

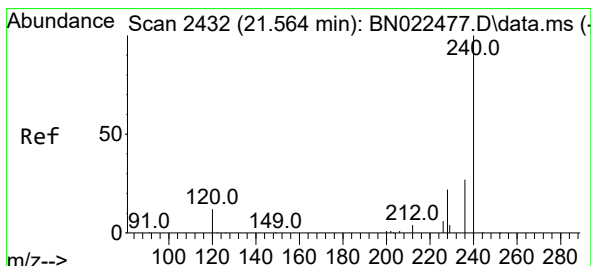
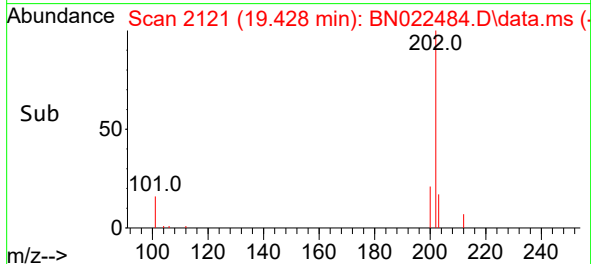
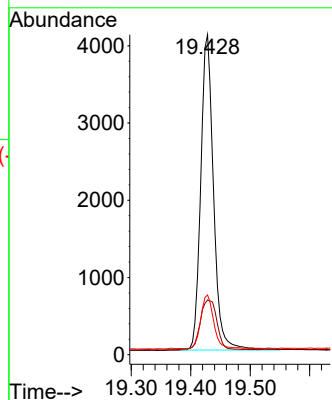
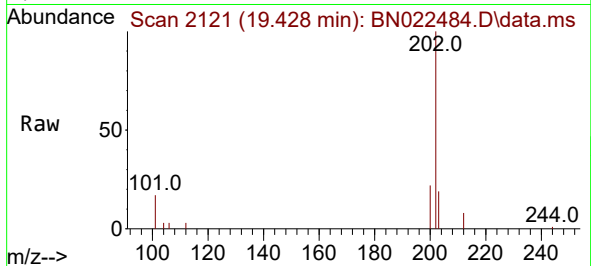




#28
Fluoranthene
Concen: 0.170 ng
RT: 19.428 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

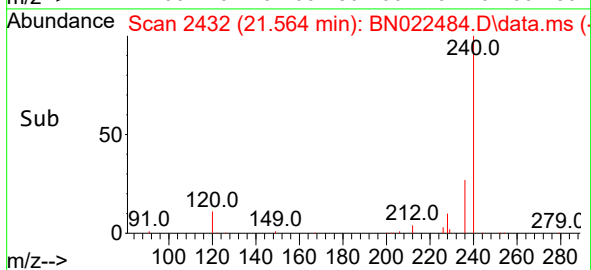
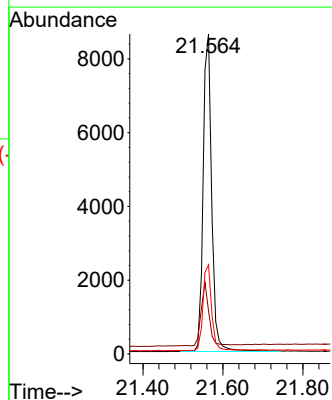
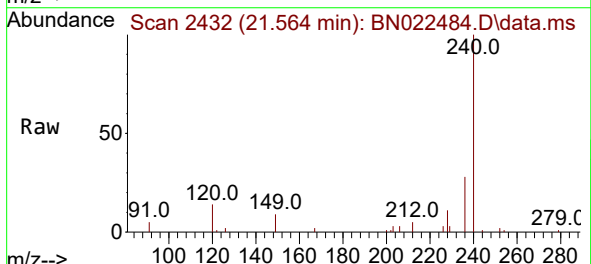
Instrument :
BNA_N
ClientSampleId :
PB148780BL

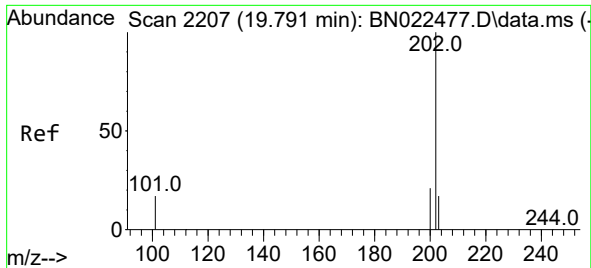
Tgt Ion:202 Resp: 6096
Ion Ratio Lower Upper
202 100
101 20.7 11.2 16.8#
203 17.1 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.564 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

Tgt Ion:240 Resp: 12818
Ion Ratio Lower Upper
240 100
120 13.5 12.4 18.6
236 27.8 22.7 34.1

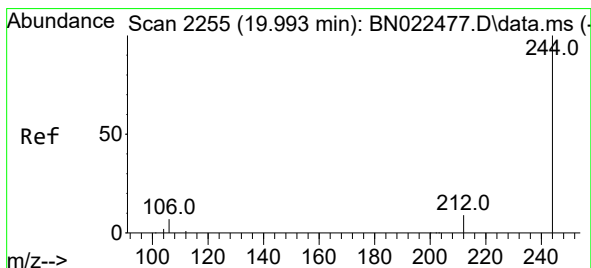
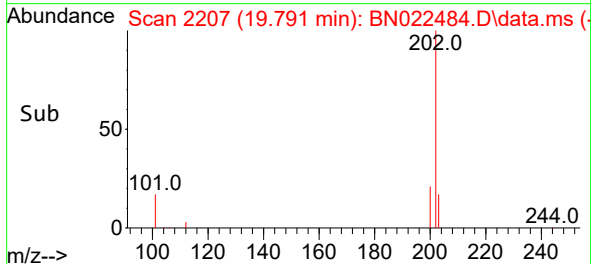
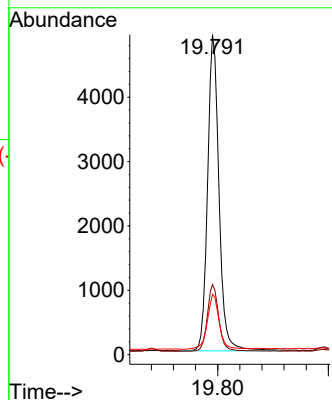
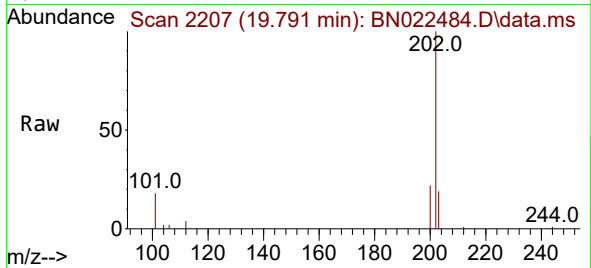




#30
Pyrene
Concen: 0.127 ng
RT: 19.791 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

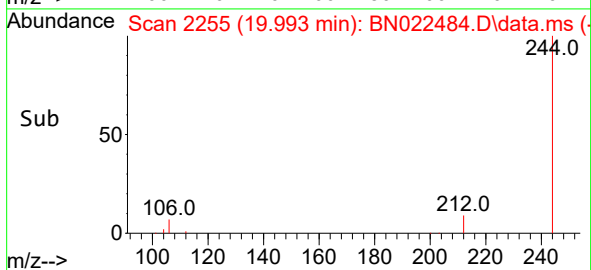
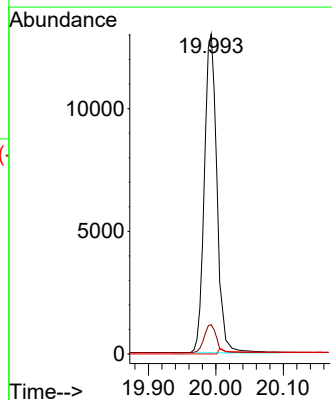
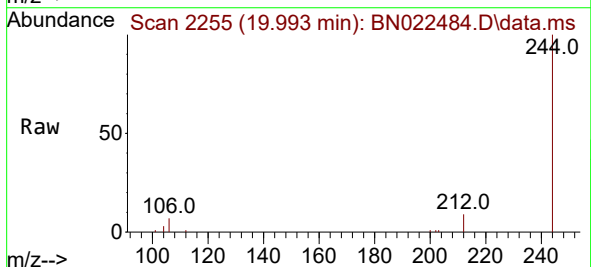
Instrument :
BNA_N
ClientSampleId :
PB148780BL

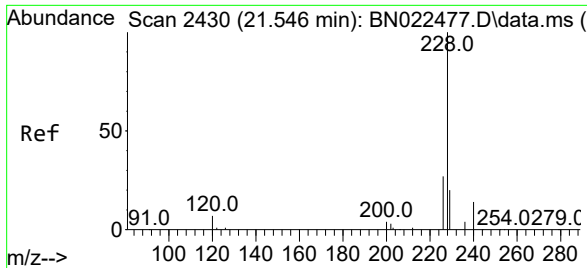
Tgt Ion:202 Resp: 7036
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.2 14.3 21.5



#31
Terphenyl-d14
Concen: 0.589 ng
RT: 19.993 min Scan# 2255
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

Tgt Ion:244 Resp: 23537
Ion Ratio Lower Upper
244 100
212 9.2 7.8 11.8
122 0.0 0.0 0.0

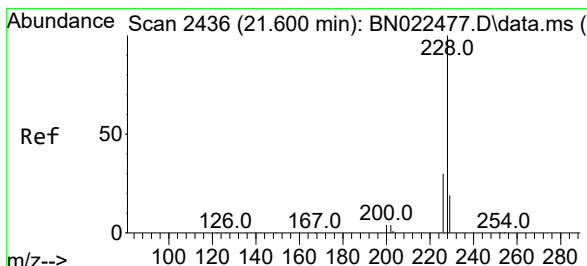
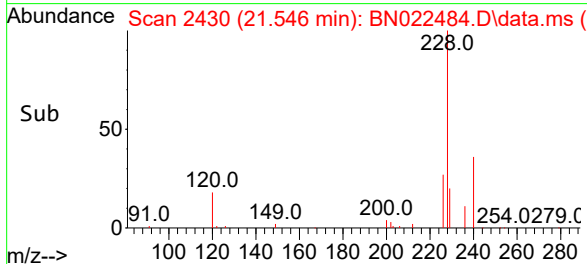
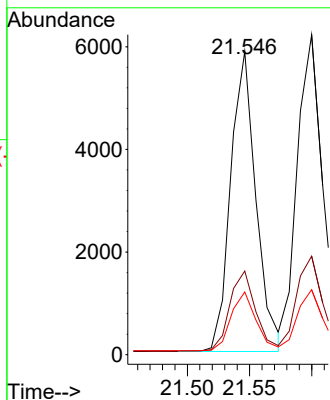
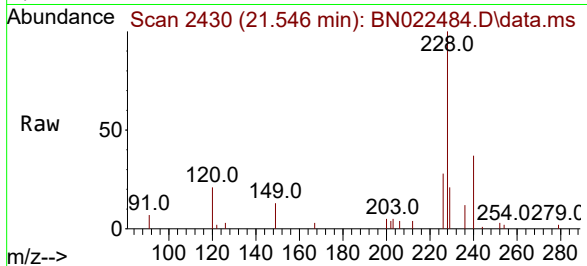




#32
Benzo(a)anthracene
Concen: 0.160 ng
RT: 21.546 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

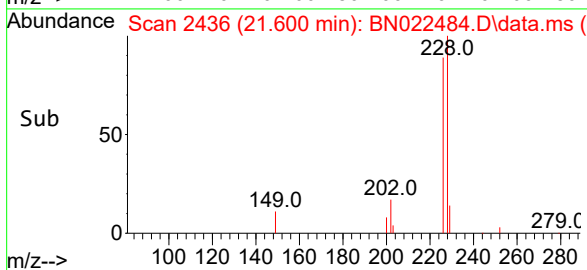
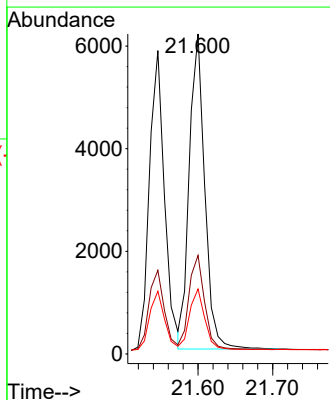
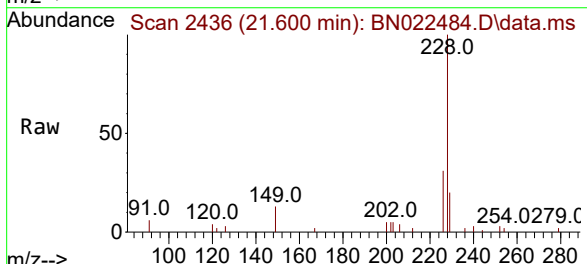
Instrument :
BNA_N
ClientSampleId :
PB148780BL

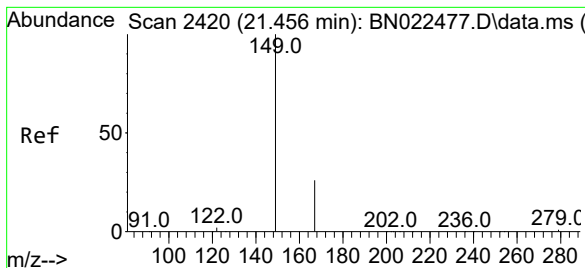
Tgt Ion:228 Resp: 8260
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 20.7 16.4 24.6



#33
Chrysene
Concen: 0.174 ng
RT: 21.600 min Scan# 2436
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

Tgt Ion:228 Resp: 8861
Ion Ratio Lower Upper
228 100
226 30.8 24.1 36.1
229 20.3 15.9 23.9

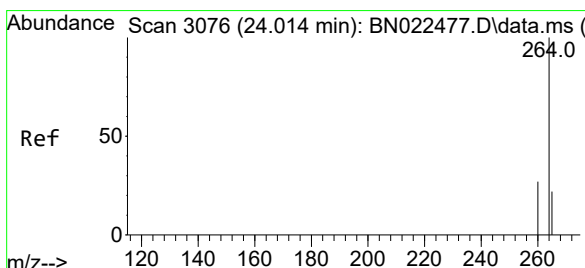
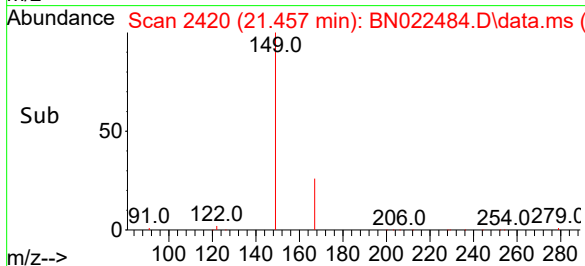
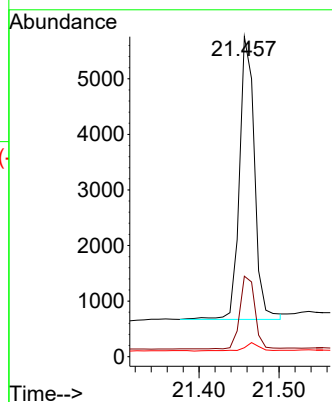
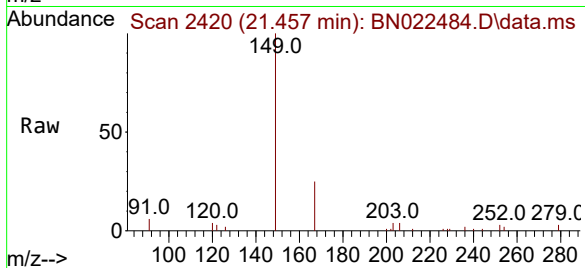




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.153 ng
 RT: 21.457 min Scan# 2420
 Delta R.T. 0.000 min
 Lab File: BN022484.D
 Acq: 03 Nov 2022 19:14

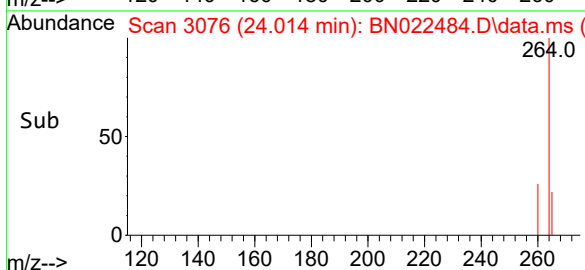
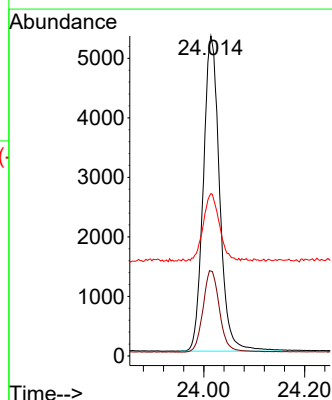
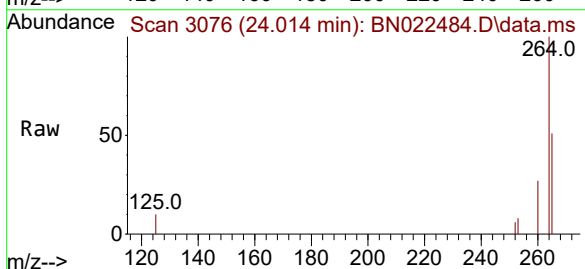
Instrument :
 BNA_N
 ClientSampleId :
 PB148780BL

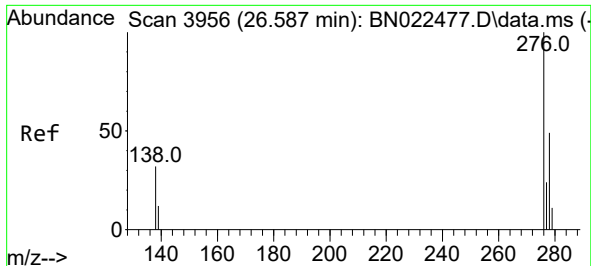
Tgt Ion:149 Resp: 6658
 Ion Ratio Lower Upper
 149 100
 167 25.5 21.3 31.9
 279 3.2 2.7 4.1



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.014 min Scan# 3076
 Delta R.T. 0.000 min
 Lab File: BN022484.D
 Acq: 03 Nov 2022 19:14

Tgt Ion:264 Resp: 11933
 Ion Ratio Lower Upper
 264 100
 260 26.5 22.4 33.6
 265 50.8 44.4 66.6

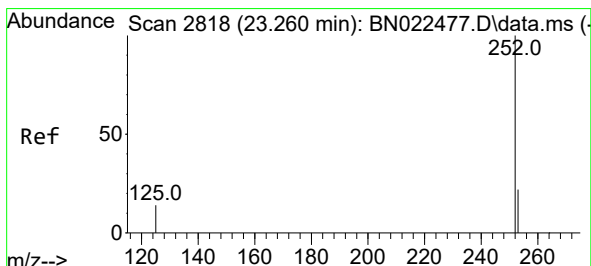
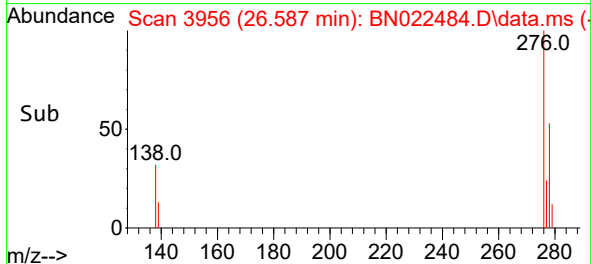
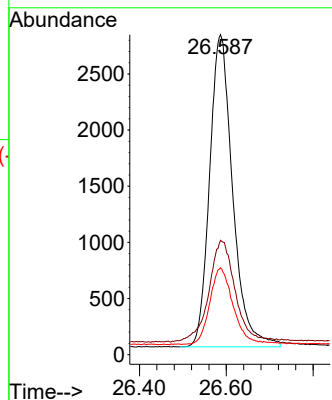
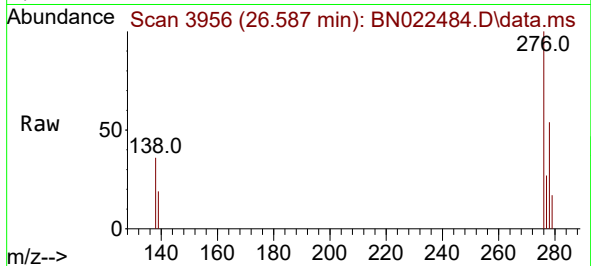




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.179 ng
 RT: 26.587 min Scan# 3956
 Delta R.T. 0.000 min
 Lab File: BN022484.D
 Acq: 03 Nov 2022 19:14

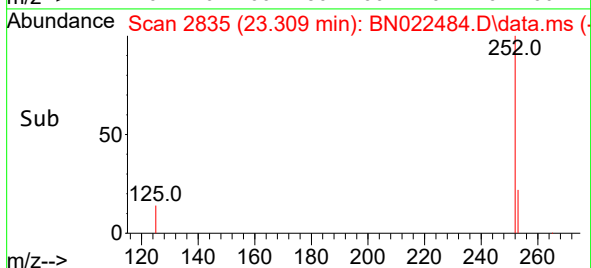
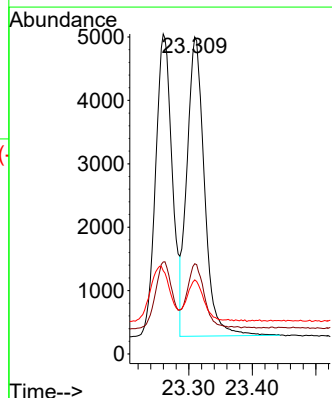
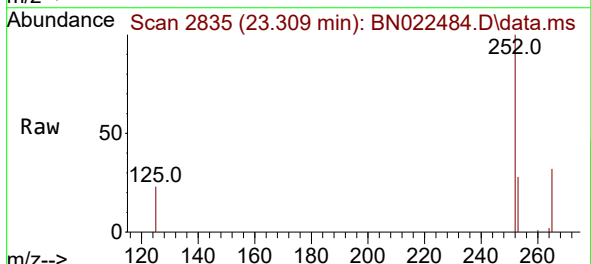
Instrument :
 BNA_N
 ClientSampleId :
 PB148780BL

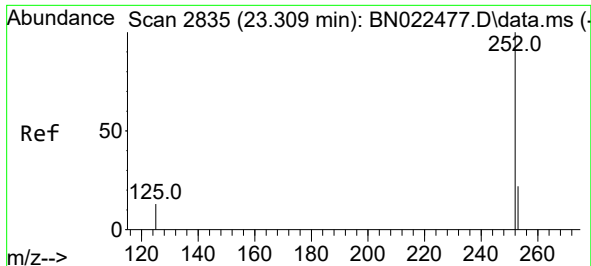
Tgt Ion:276 Resp: 10257
 Ion Ratio Lower Upper
 276 100
 138 35.2 27.5 41.3
 277 24.6 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 0.192 ng
 RT: 23.309 min Scan# 2835
 Delta R.T. 0.050 min
 Lab File: BN022484.D
 Acq: 03 Nov 2022 19:14

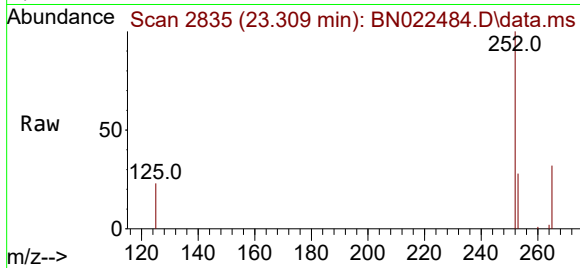
Tgt Ion:252 Resp: 9010
 Ion Ratio Lower Upper
 252 100
 253 28.5 21.1 31.7
 125 23.4 16.8 25.2



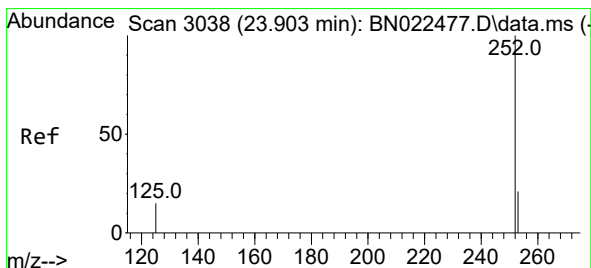
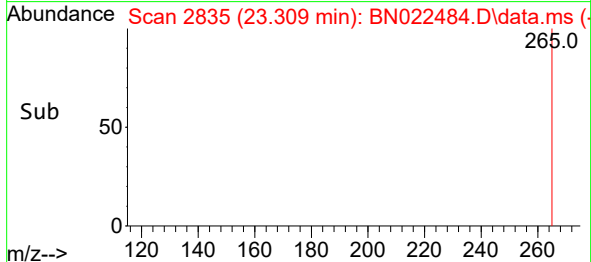
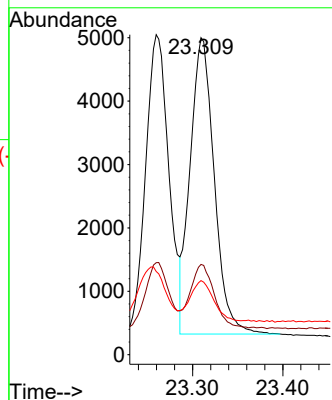


#38
Benzo(k)fluoranthene
Concen: 0.182 ng
RT: 23.309 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

Instrument :
BNA_N
ClientSampleId :
PB148780BL

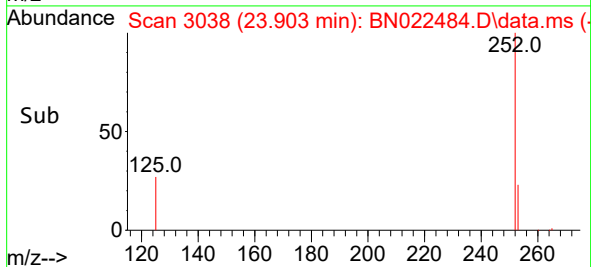
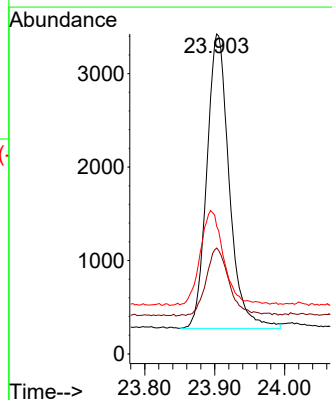
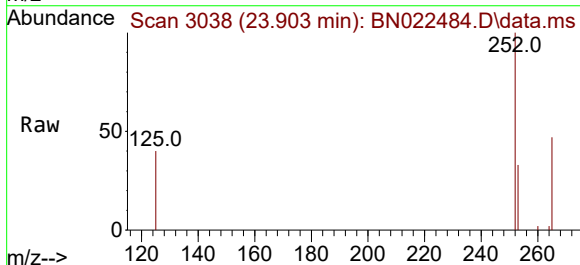


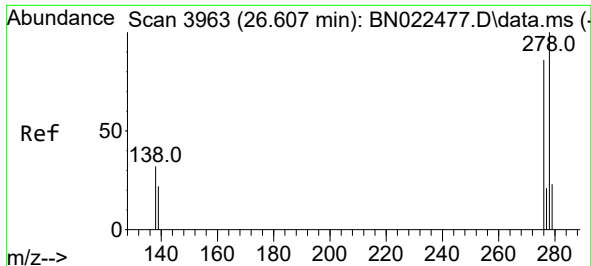
Tgt Ion:252 Resp: 8693
Ion Ratio Lower Upper
252 100
253 28.5 20.9 31.3
125 23.4 16.1 24.1



#39
Benzo(a)pyrene
Concen: 0.174 ng
RT: 23.903 min Scan# 3038
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

Tgt Ion:252 Resp: 7009
Ion Ratio Lower Upper
252 100
253 33.1 22.0 33.0#
125 39.9 19.8 29.8#

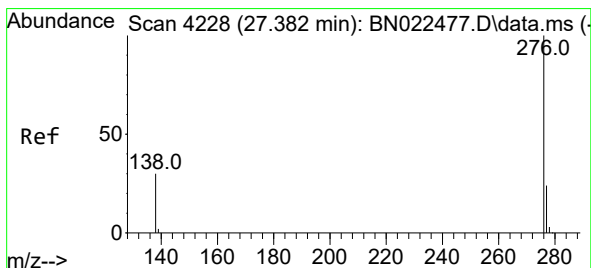
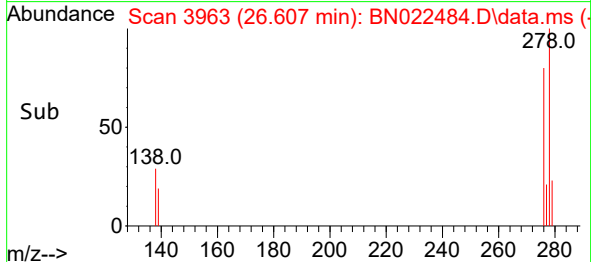
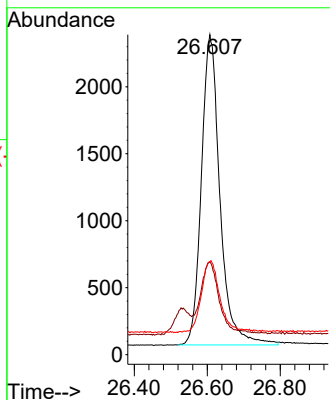
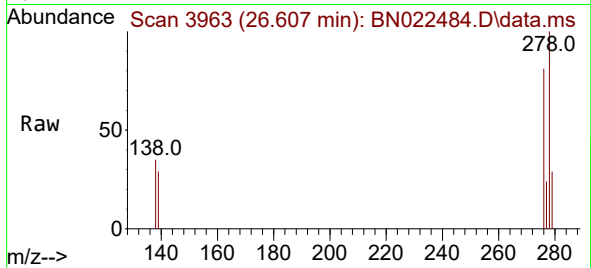




#40
Dibenzo(a,h)anthracene
Concen: 0.179 ng
RT: 26.607 min Scan# 3963
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

Instrument :
BNA_N
ClientSampleId :
PB148780BL

Tgt Ion:278 Resp: 8193
Ion Ratio Lower Upper
278 100
139 28.9 21.8 32.6
279 29.1 21.5 32.3



#41
Benzo(g,h,i)perylene
Concen: 0.177 ng
RT: 27.382 min Scan# 4228
Delta R.T. 0.000 min
Lab File: BN022484.D
Acq: 03 Nov 2022 19:14

Tgt Ion:276 Resp: 8597
Ion Ratio Lower Upper
276 100
277 27.4 21.0 31.4
138 33.3 26.0 39.0

