

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061024\
 Data File : BN031898.D
 Acq On : 11 Jun 2024 04:11
 Operator : MA/JU
 Sample : P2770-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

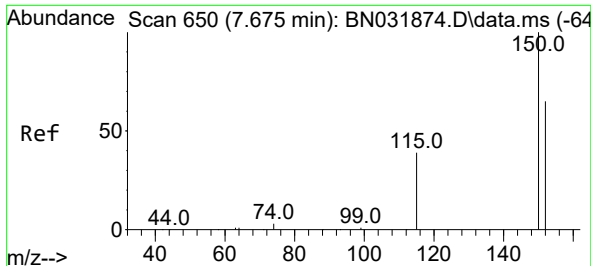
Instrument :
 BNA_N
 ClientSampleId :
 SP-201-20240606

Quant Time: Jun 11 04:37:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 15:47:32 2024
 Response via : Initial Calibration

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

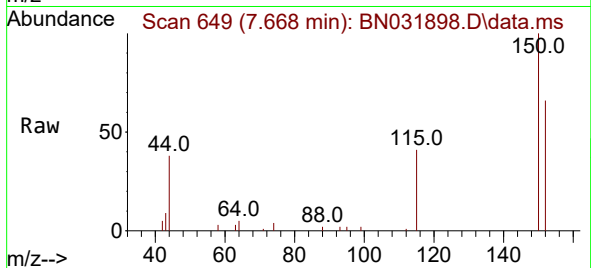
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.668	152	8852	0.400	ng	0.00
7) Naphthalene-d8	10.453	136	27985	0.400	ng	0.00
13) Acenaphthene-d10	14.306	164	18651	0.400	ng	-0.01
19) Phenanthrene-d10	17.053	188	44021	0.400	ng	#-0.01
29) Chrysene-d12	21.256	240	34116	0.400	ng	0.00
35) Perylene-d12	23.484	264	29160	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.270	112	3070	0.122	ng	0.00
5) Phenol-d6	6.851	99	2280	0.069	ng	0.00
8) Nitrobenzene-d5	8.819	82	7929	0.341	ng	0.00
11) 2-Methylnaphthalene-d10	12.043	152	15083	0.338	ng	0.00
14) 2,4,6-Tribromophenol	15.812	330	2707	0.303	ng	0.00
15) 2-Fluorobiphenyl	12.927	172	28064	0.397	ng	0.00
27) Fluoranthene-d10	19.091	212	45838	0.383	ng	0.00
31) Terphenyl-d14	19.695	244	45162	0.542	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.219	88	234	0.022	ng	# 59
18) Fluorene	15.364	166	1682	0.023	ng	99
20) 4,6-Dinitro-2-methylph...	15.461	198	265	0.203	ng	# 1
21) 4-Bromophenyl-phenylether	16.259	248	1008	0.040	ng	97
22) Hexachlorobenzene	16.358	284	871	0.034	ng	98
23) Atrazine	16.532	200	574	0.025	ng	# 84
24) Pentachlorophenol	16.718	266	623	0.208	ng	96
25) Phenanthrene	17.103	178	8041	0.066	ng	100
26) Anthracene	17.190	178	6053	0.053	ng	99
28) Fluoranthene	19.123	202	8426	0.057	ng	# 82
30) Pyrene	19.486	202	6559	0.048	ng	100
32) Benzo(a)anthracene	21.238	228	5488	0.043	ng	97
33) Chrysene	21.291	228	6066	0.050	ng	96
34) Bis(2-ethylhexyl)phtha...	21.166	149	9097	0.104	ng	96
36) Indeno(1,2,3-cd)pyrene	25.747	276	4495	0.041	ng	99
37) Benzo(b)fluoranthene	22.811	252	5764	0.054	ng	# 49
38) Benzo(k)fluoranthene	22.855	252	5427	0.054	ng	# 49
39) Benzo(a)pyrene	23.384	252	2209	0.024	ng	# 1
40) Dibenzo(a,h)anthracene	25.759	278	3982	0.046	ng	# 64
41) Benzo(g,h,i)perylene	26.440	276	1923	0.021	ng	# 56

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

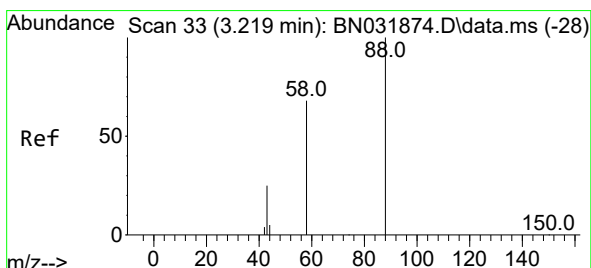
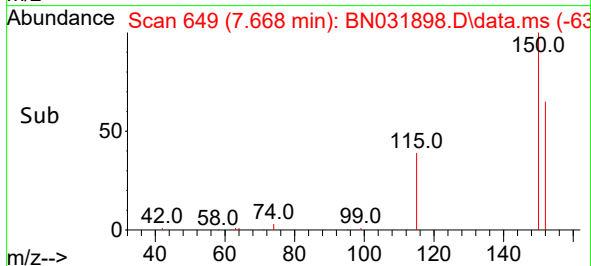
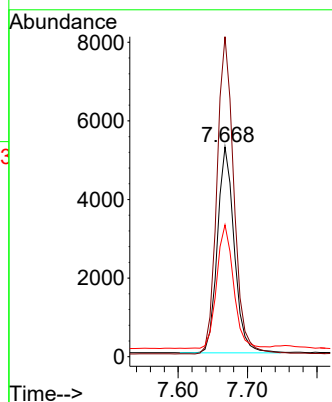


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.668 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN031898.D
 Acq: 11 Jun 2024 04:11

Instrument :
 BNA_N
 ClientSampleId :
 SP-201-20240606

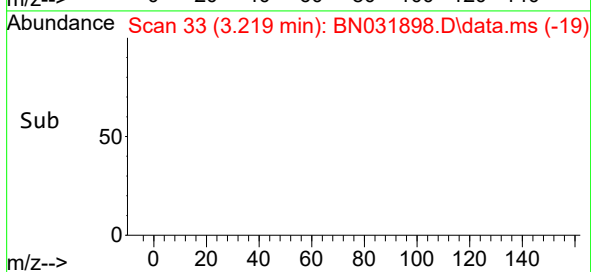
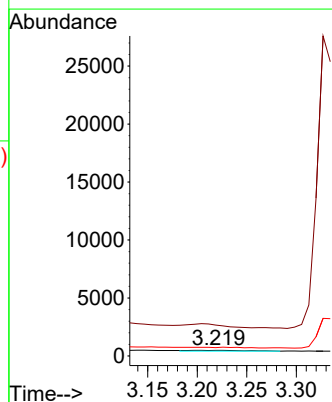
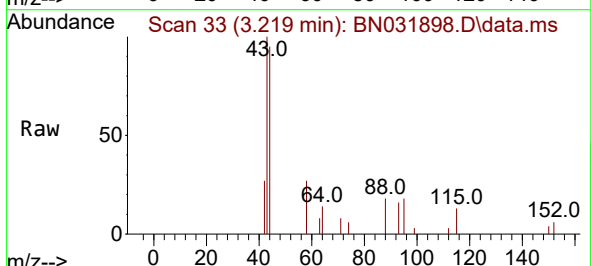


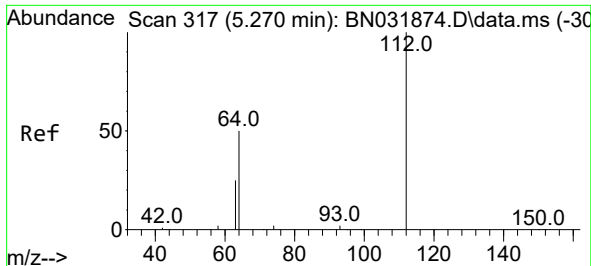
Tgt Ion:152 Resp: 8852
 Ion Ratio Lower Upper
 152 100
 150 152.5 121.0 181.4
 115 62.9 49.4 74.0



#2
 1,4-Dioxane
 Concen: 0.022 ng
 RT: 3.219 min Scan# 33
 Delta R.T. -0.000 min
 Lab File: BN031898.D
 Acq: 11 Jun 2024 04:11

Tgt Ion: 88 Resp: 234
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.7 34.1#
 58 36.8 51.3 76.9#





#4

2-Fluorophenol

Concen: 0.122 ng

RT: 5.270 min Scan# 317

Delta R.T. -0.000 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

Instrument :

BNA_N

ClientSampleId :

SP-201-20240606

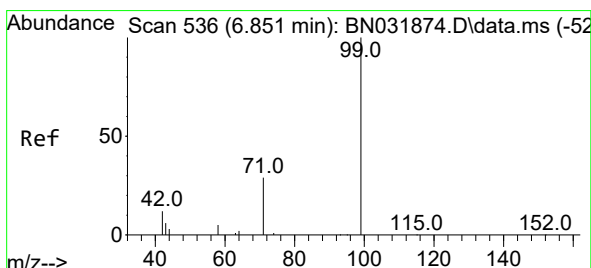
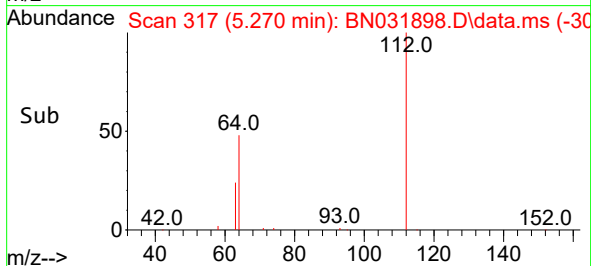
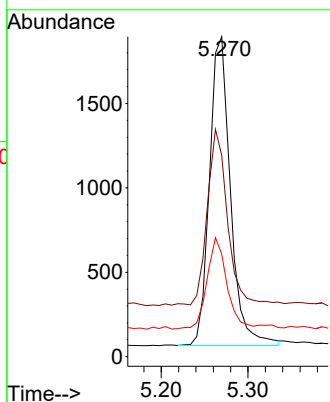
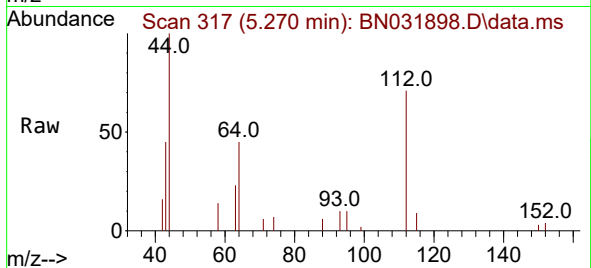
Tgt Ion:112 Resp: 3070

Ion Ratio Lower Upper

112 100

64 55.7 42.4 63.6

63 27.5 22.1 33.1



#5

Phenol-d6

Concen: 0.069 ng

RT: 6.851 min Scan# 536

Delta R.T. -0.000 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

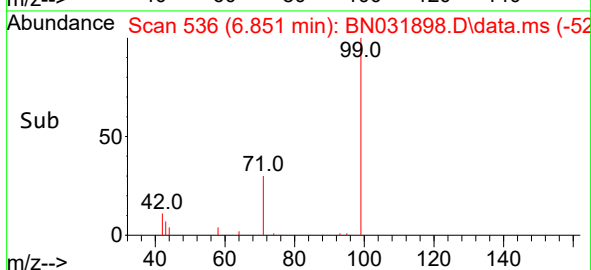
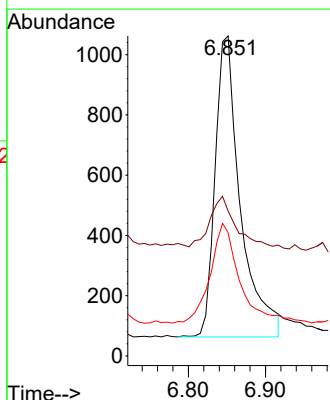
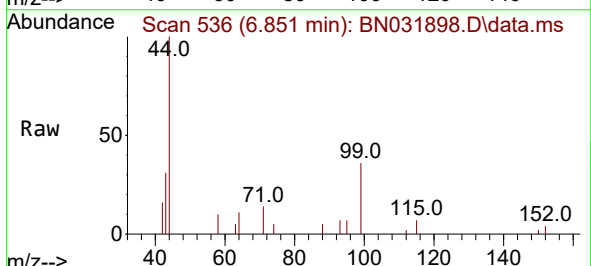
Tgt Ion: 99 Resp: 2280

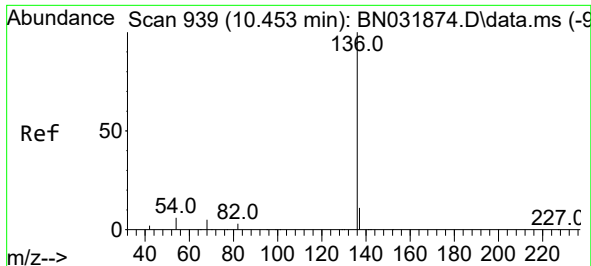
Ion Ratio Lower Upper

99 100

42 16.4 12.8 19.2

71 37.2 25.4 38.2

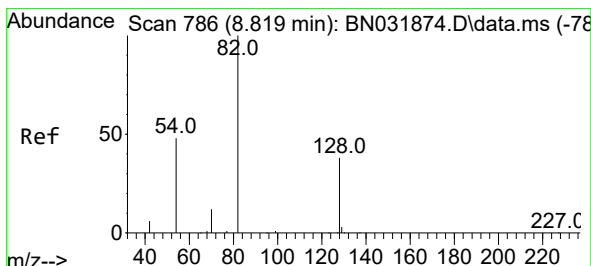
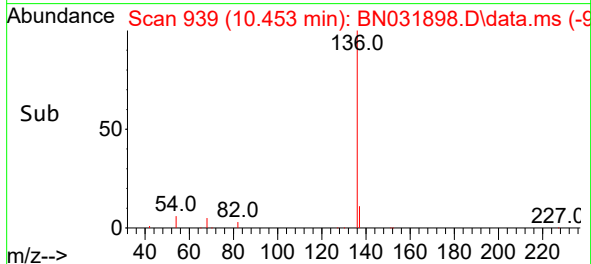
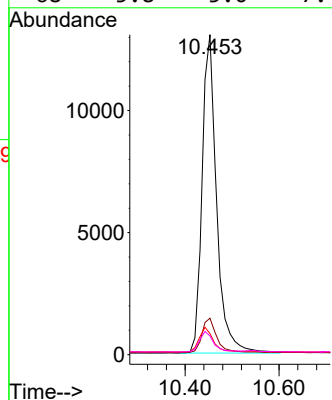
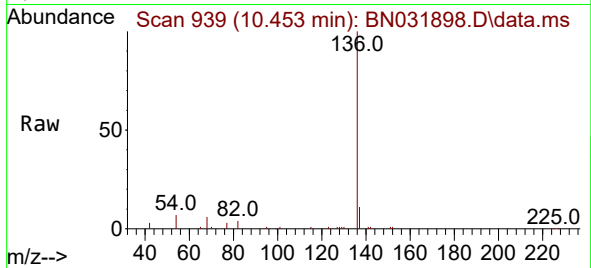




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.453 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

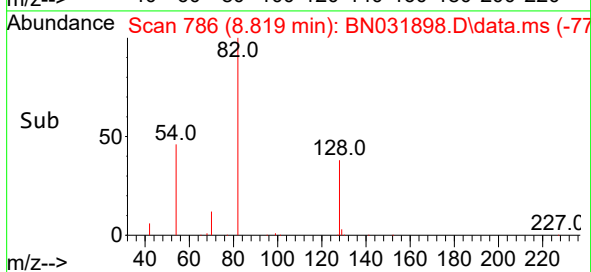
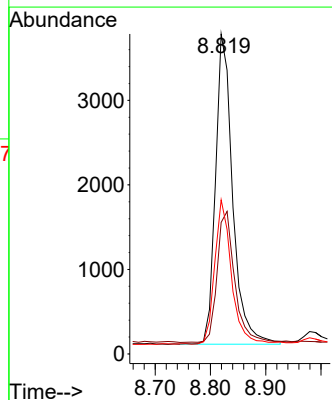
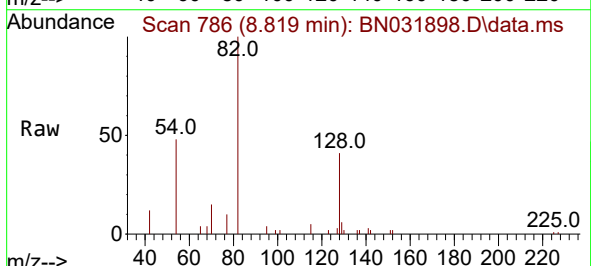
Instrument :
BNA_N
ClientSampleId :
SP-201-20240606

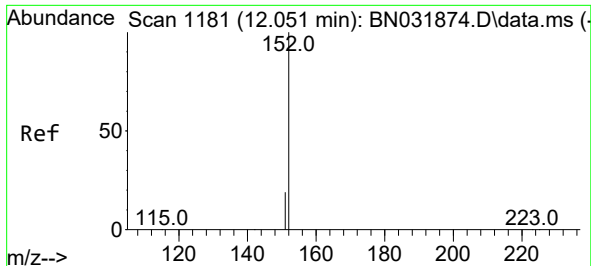
Tgt Ion:	136	Resp:	27985
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	6.6	5.6	8.4
68	5.8	5.0	7.4



#8
Nitrobenzene-d5
Concen: 0.341 ng
RT: 8.819 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

Tgt Ion:	82	Resp:	7929
Ion Ratio	Lower	Upper	
82	100		
128	41.1	32.1	48.1
54	48.1	39.7	59.5

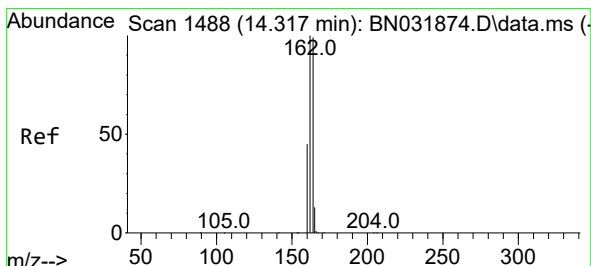
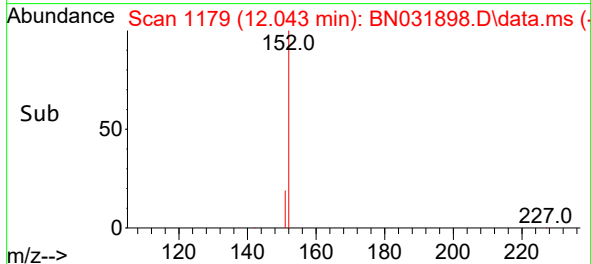
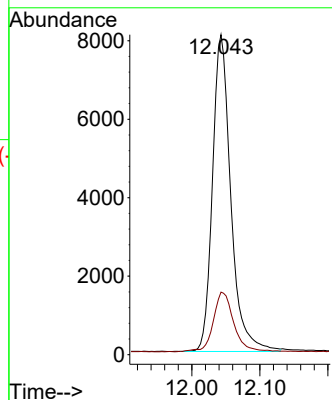
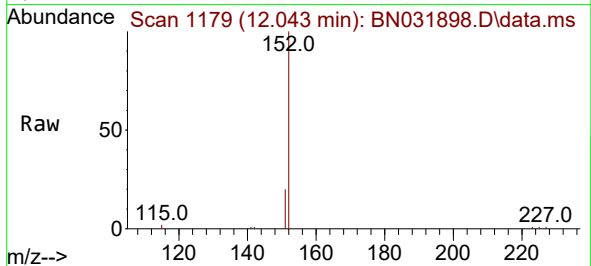




#11
2-Methylnaphthalene-d10
Concen: 0.338 ng
RT: 12.043 min Scan# 1181
Delta R.T. -0.008 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

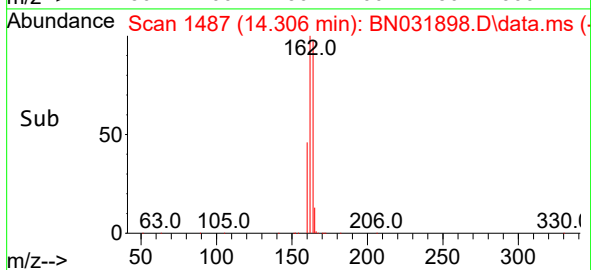
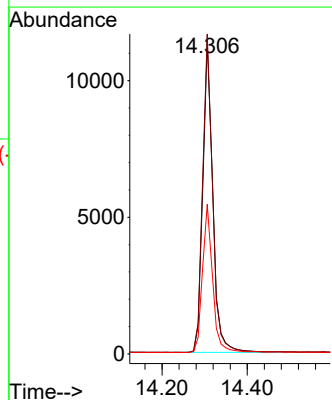
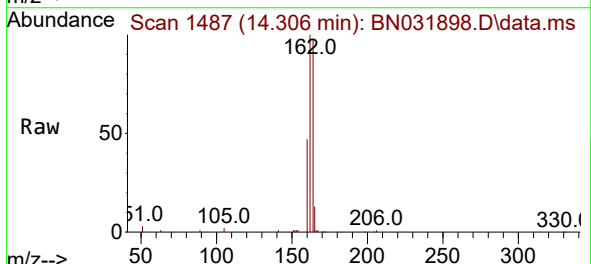
Instrument :
BNA_N
ClientSampleId :
SP-201-20240606

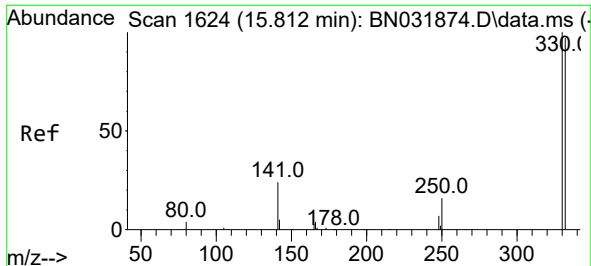
Tgt Ion:152 Resp: 15083
Ion Ratio Lower Upper
152 100
151 21.1 16.3 24.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.306 min Scan# 1487
Delta R.T. -0.011 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

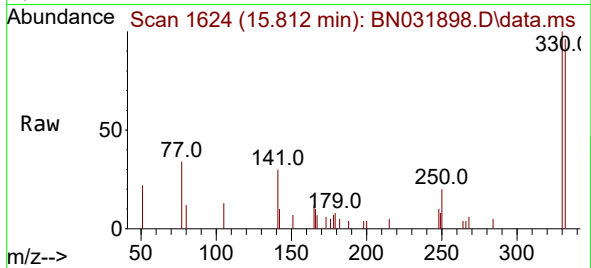
Tgt Ion:164 Resp: 18651
Ion Ratio Lower Upper
164 100
162 102.4 80.7 121.1
160 47.9 36.2 54.4



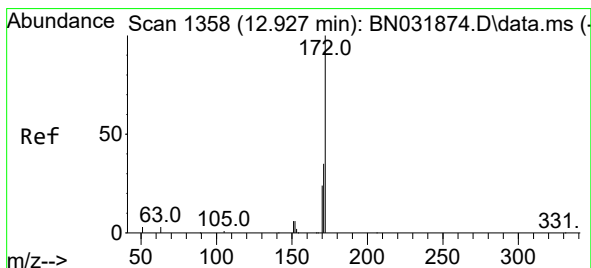
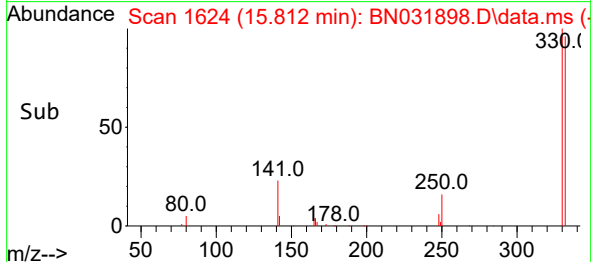
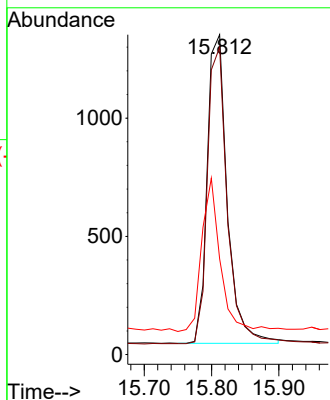


#14
2,4,6-Tribromophenol
Concen: 0.303 ng
RT: 15.812 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

Instrument :
BNA_N
ClientSampleId :
SP-201-20240606

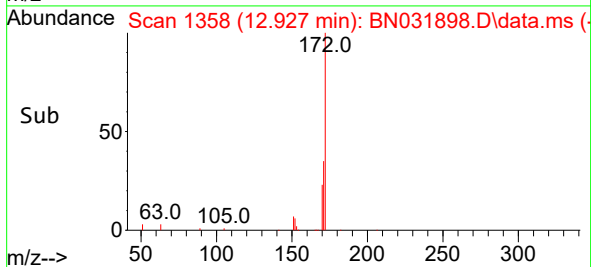
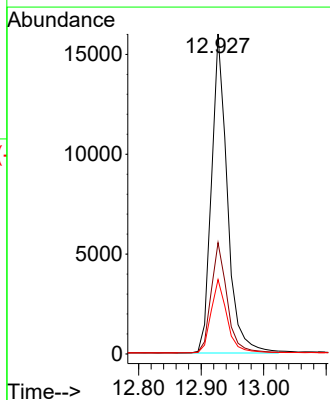
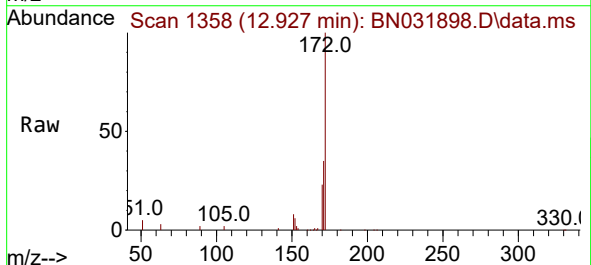


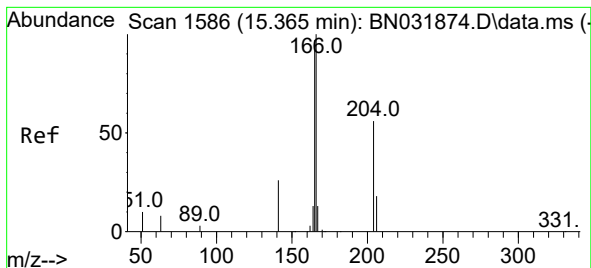
Tgt Ion:330 Resp: 2707
Ion Ratio Lower Upper
330 100
332 95.6 77.5 116.3
141 45.8 34.7 52.1



#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.927 min Scan# 1358
Delta R.T. -0.000 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

Tgt Ion:172 Resp: 28064
Ion Ratio Lower Upper
172 100
171 34.8 28.6 42.8
170 23.2 19.2 28.8





#18

Fluorene

Concen: 0.023 ng

RT: 15.364 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

Instrument :

BNA_N

ClientSampleId :

SP-201-20240606

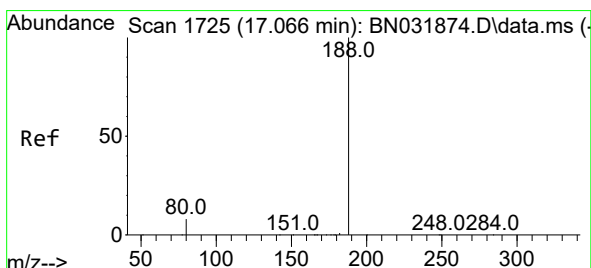
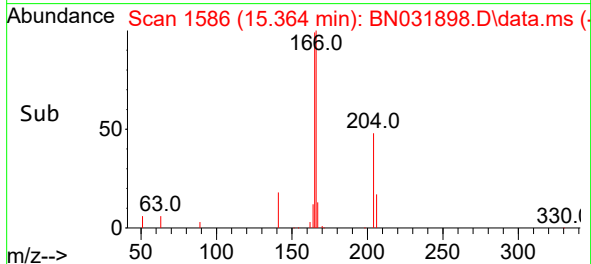
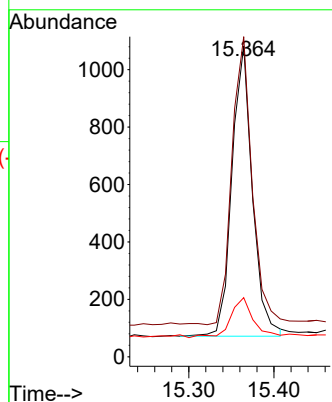
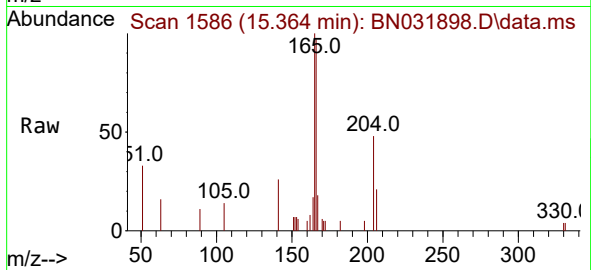
Tgt Ion:166 Resp: 1682

Ion Ratio Lower Upper

166 100

165 98.2 78.3 117.5

167 15.4 10.7 16.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.053 min Scan# 1724

Delta R.T. -0.012 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

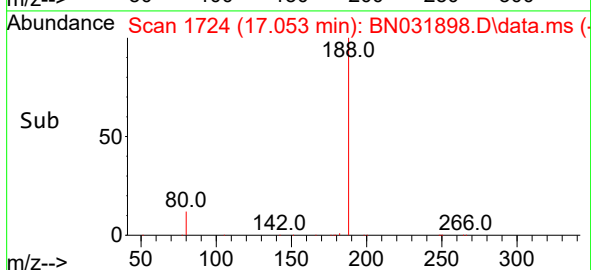
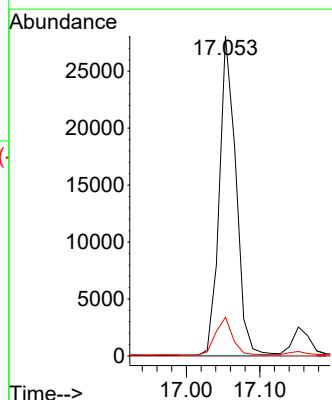
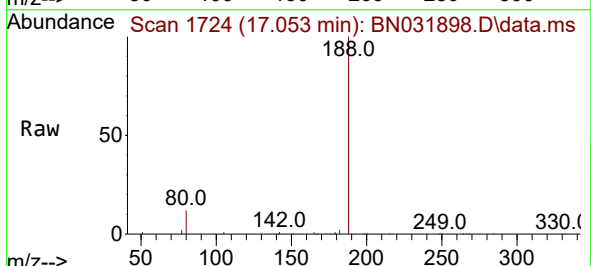
Tgt Ion:188 Resp: 44021

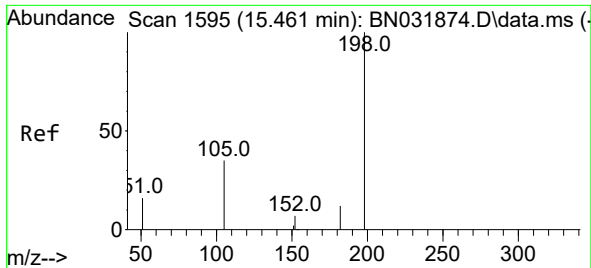
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.1 6.4 9.6#

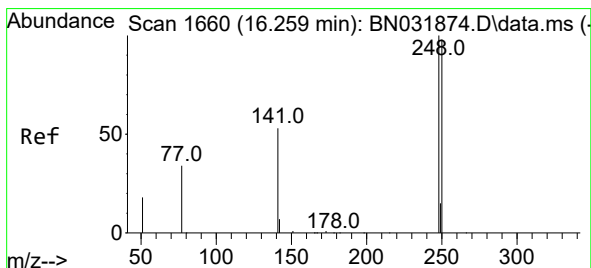
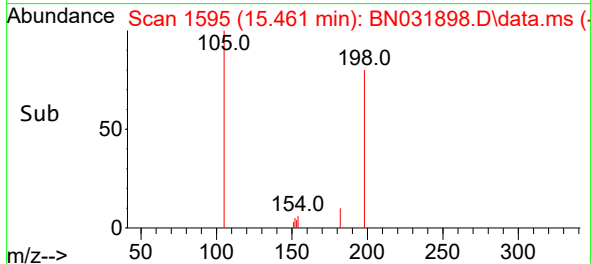
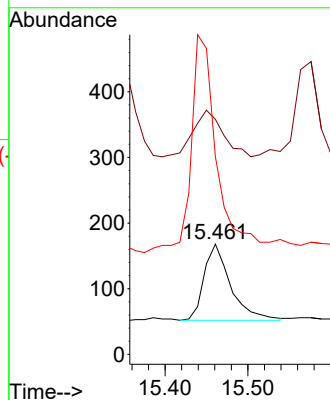
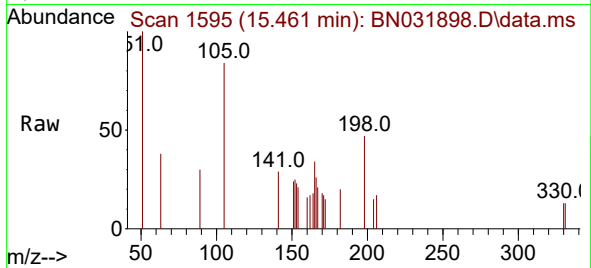




#20
4,6-Dinitro-2-methylphenol
Concen: 0.203 ng
RT: 15.461 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

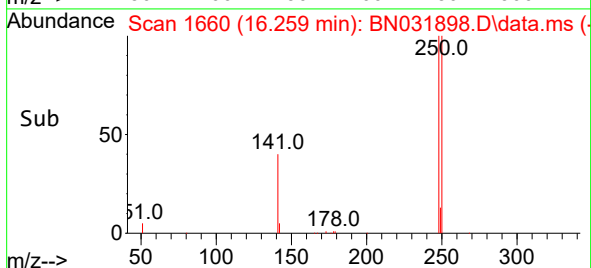
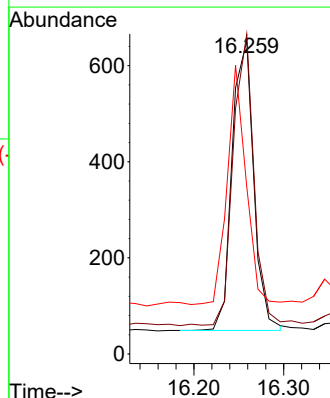
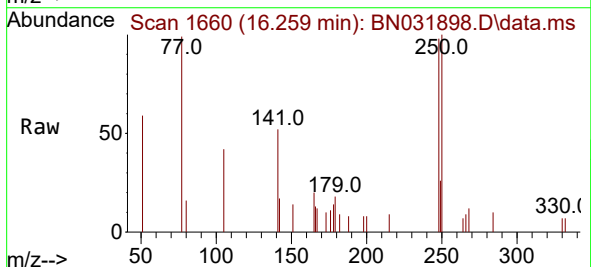
Instrument :
BNA_N
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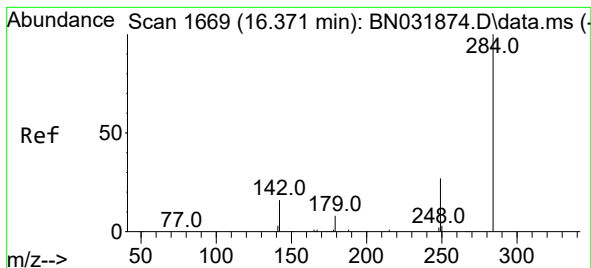
Tgt Ion:198 Resp: 265
Ion Ratio Lower Upper
198 100
51 213.1 42.7 64.1#
105 179.2 41.8 62.8#



#21
4-Bromophenyl-phenylether
Concen: 0.040 ng
RT: 16.259 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

Tgt Ion:248 Resp: 1008
Ion Ratio Lower Upper
248 100
250 102.1 78.5 117.7
141 53.4 43.1 64.7





#22

Hexachlorobenzene

Concen: 0.034 ng

RT: 16.358 min Scan# 1668

Delta R.T. -0.013 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

Instrument :

BNA_N

ClientSampleId :

SP-201-20240606

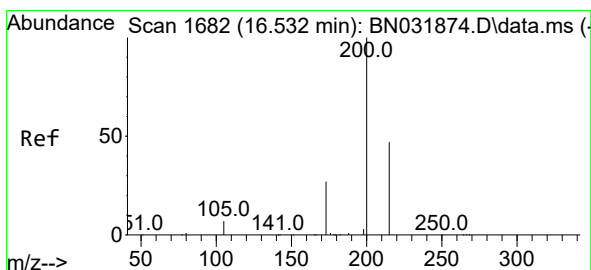
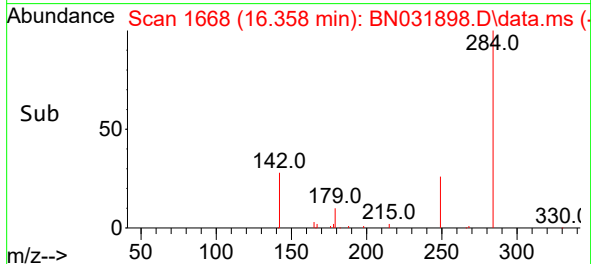
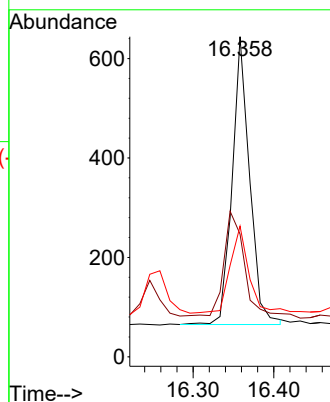
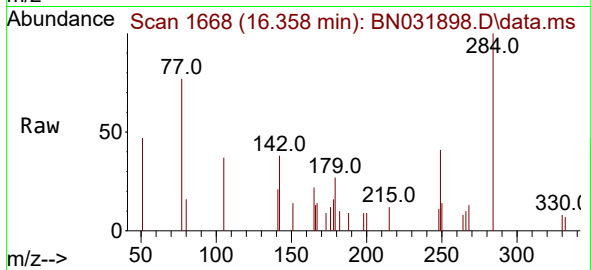
Tgt Ion:284 Resp: 871

Ion Ratio Lower Upper

284 100

142 40.6 30.7 46.1

249 30.7 25.0 37.4



#23

Atrazine

Concen: 0.025 ng

RT: 16.532 min Scan# 1682

Delta R.T. -0.000 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

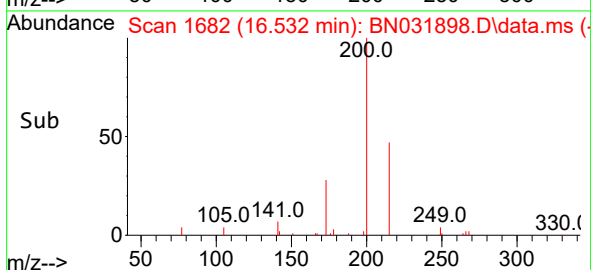
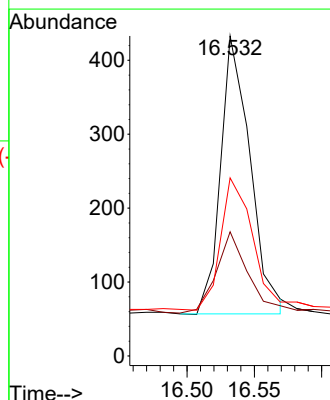
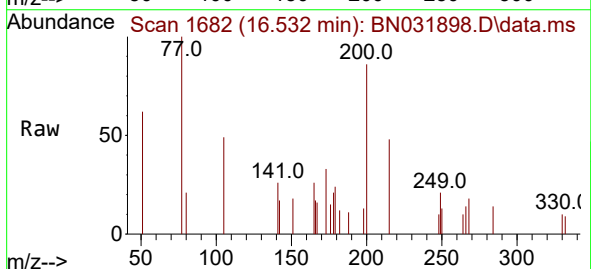
Tgt Ion:200 Resp: 574

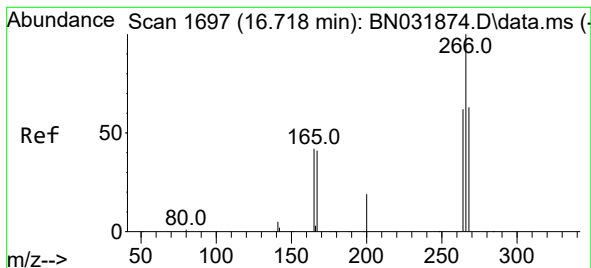
Ion Ratio Lower Upper

200 100

173 38.8 22.0 33.0#

215 55.7 37.9 56.9





#24

Pentachlorophenol

Concen: 0.208 ng

RT: 16.718 min Scan# 1697

Delta R.T. 0.000 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

Instrument :

BNA_N

ClientSampleId :

SP-201-20240606

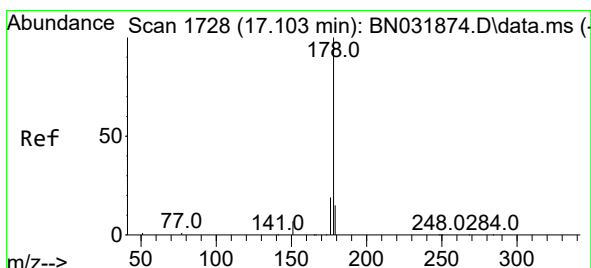
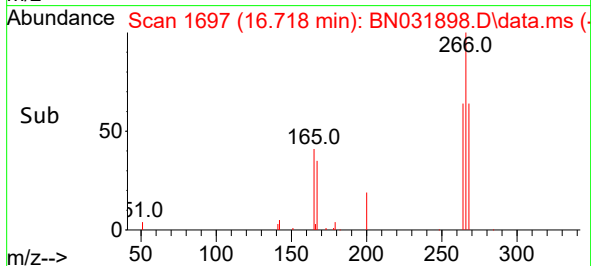
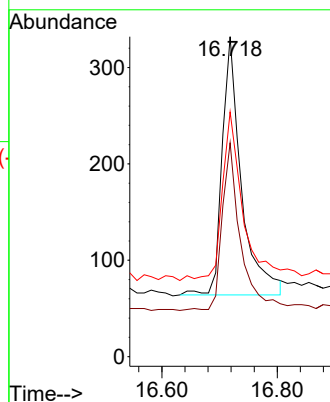
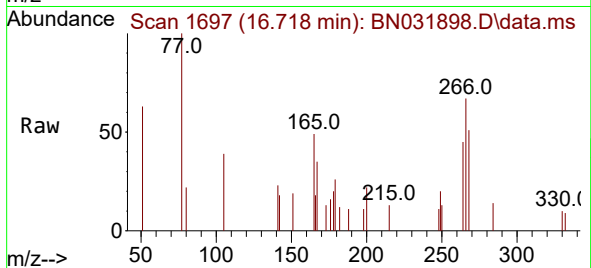
Tgt Ion:266 Resp: 623

Ion Ratio Lower Upper

266 100

264 61.6 50.0 75.0

268 69.2 51.0 76.6



#25

Phenanthrene

Concen: 0.066 ng

RT: 17.103 min Scan# 1728

Delta R.T. -0.000 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

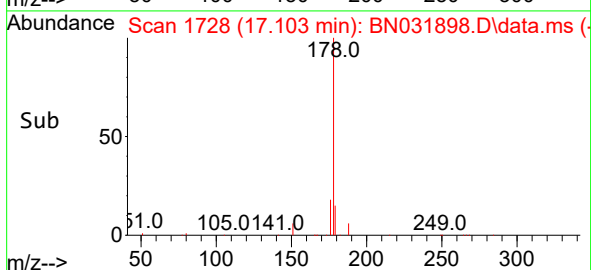
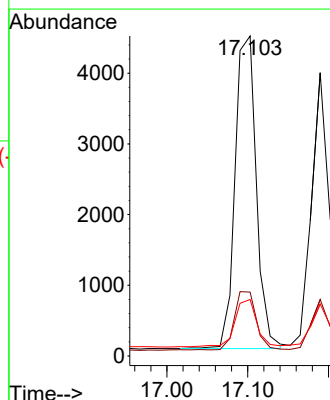
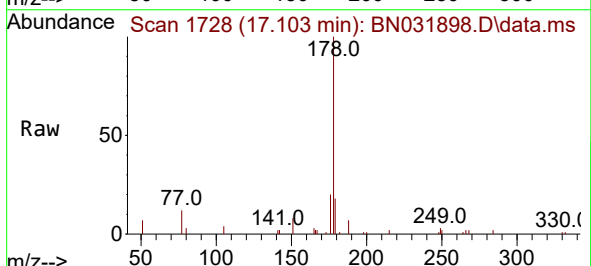
Tgt Ion:178 Resp: 8041

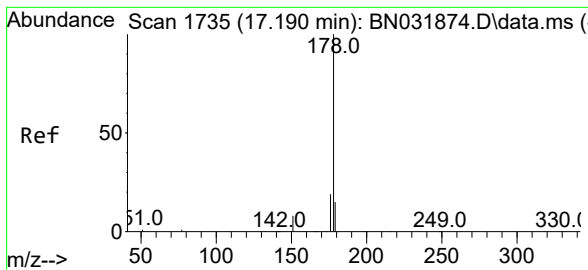
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.4 12.2 18.2

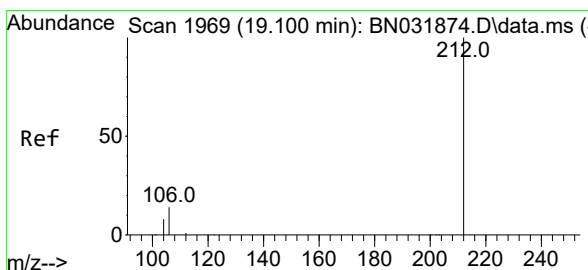
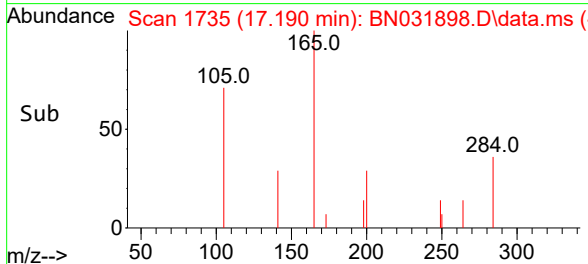
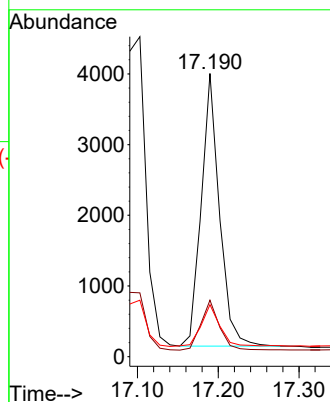
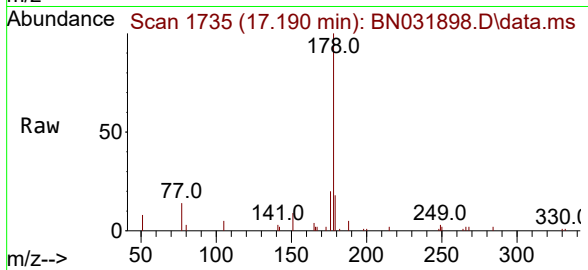




#26
 Anthracene
 Concen: 0.053 ng
 RT: 17.190 min Scan# 1735
 Delta R.T. -0.000 min
 Lab File: BN031898.D
 Acq: 11 Jun 2024 04:11

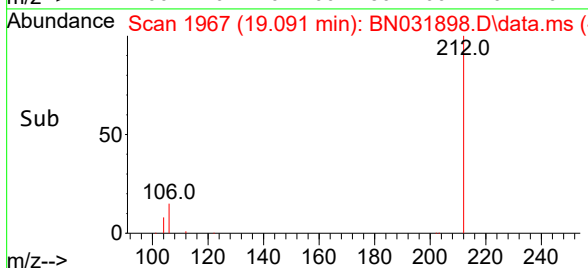
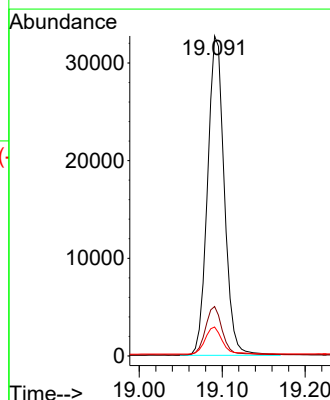
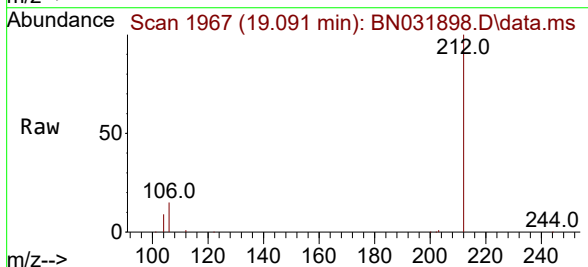
Instrument :
 BNA_N
 ClientSampleId :
 SP-201-20240606

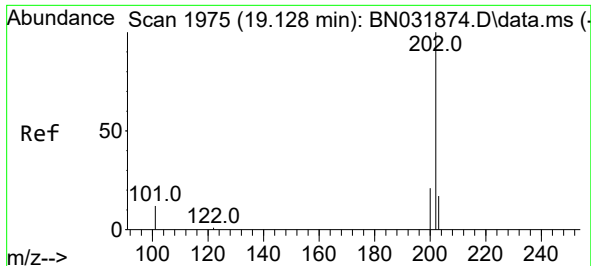
Tgt Ion:	178	Resp:	6053
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.8	22.2
179	15.8	12.2	18.2



#27
 Fluoranthene-d10
 Concen: 0.383 ng
 RT: 19.091 min Scan# 1967
 Delta R.T. -0.009 min
 Lab File: BN031898.D
 Acq: 11 Jun 2024 04:11

Tgt Ion:	212	Resp:	45838
Ion Ratio	Lower	Upper	
212	100		
106	15.4	11.8	17.8
104	8.7	6.6	10.0

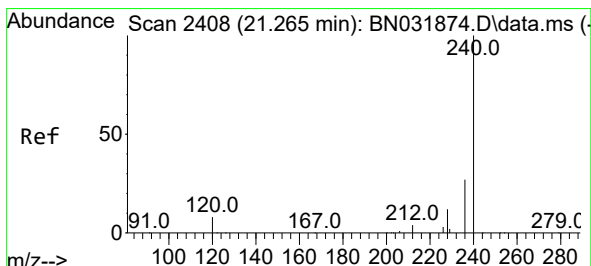
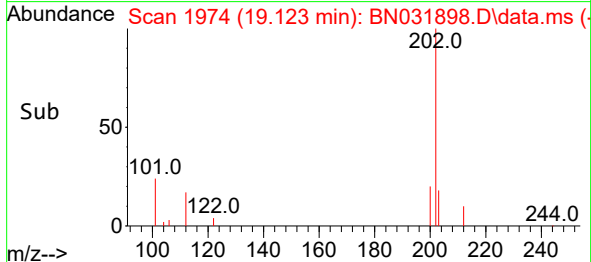
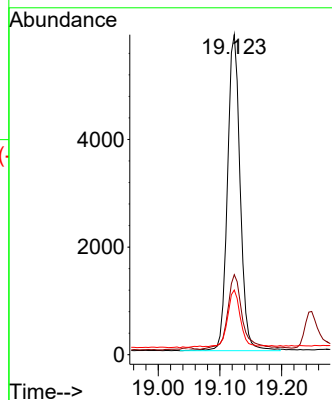
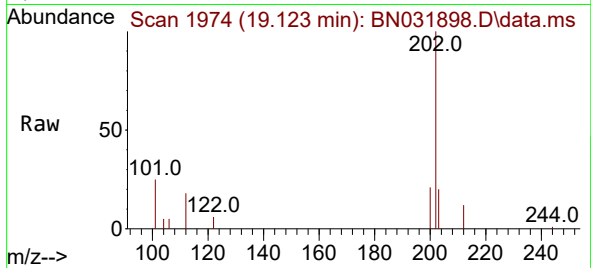




#28
Fluoranthene
Concen: 0.057 ng
RT: 19.123 min Scan# 1974
Delta R.T. -0.005 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

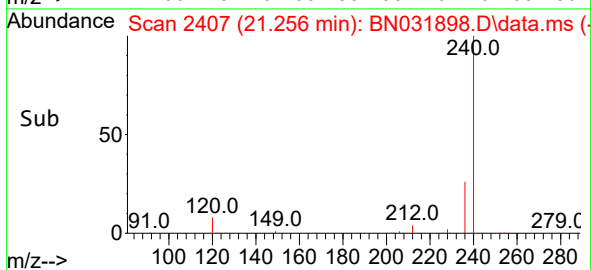
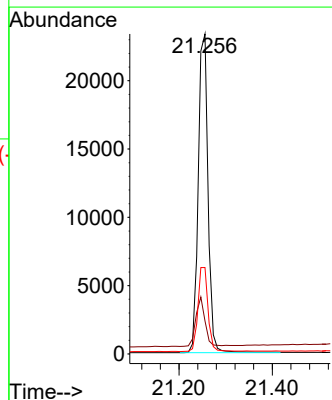
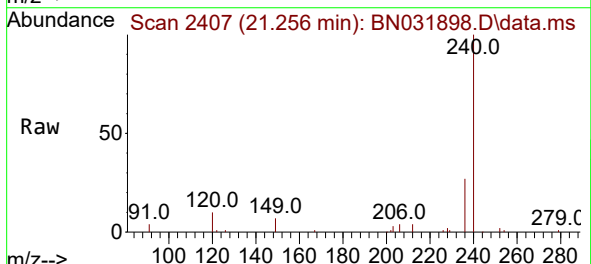
Instrument :
BNA_N
ClientSampleId :
SP-201-20240606

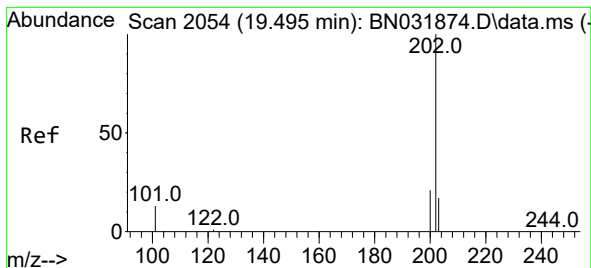
Tgt Ion:202 Resp: 8426
Ion Ratio Lower Upper
202 100
101 27.8 9.8 14.6#
203 17.8 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.256 min Scan# 2407
Delta R.T. -0.009 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

Tgt Ion:240 Resp: 34116
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.4
236 27.0 21.8 32.8





#30

Pyrene

Concen: 0.048 ng

RT: 19.486 min Scan# 2052

Delta R.T. -0.009 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

Instrument :

BNA_N

ClientSampleId :

SP-201-20240606

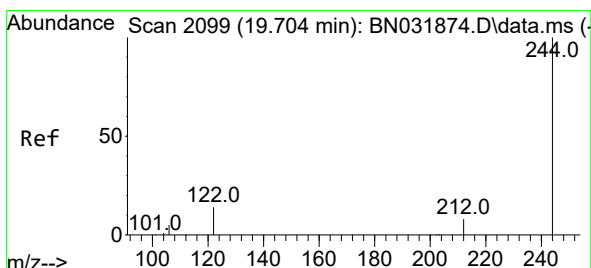
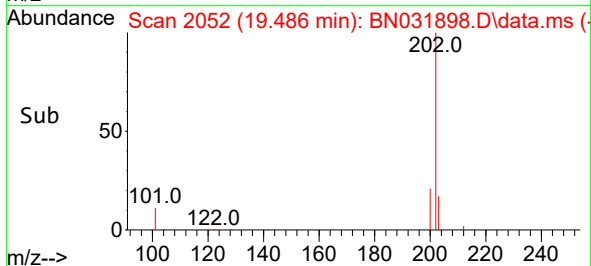
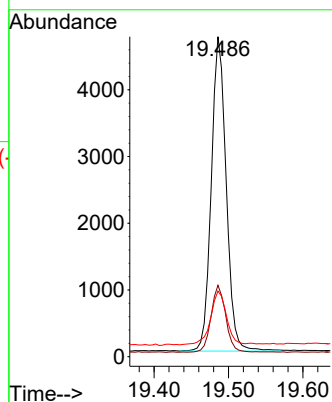
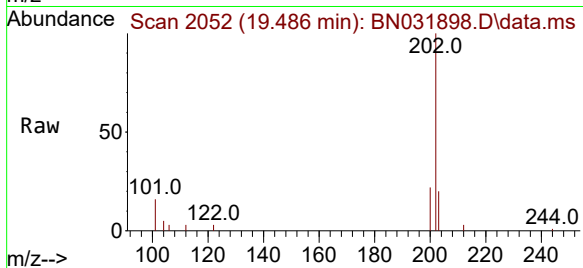
Tgt Ion:202 Resp: 6559

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 18.3 14.3 21.5



#31

Terphenyl-d14

Concen: 0.542 ng

RT: 19.695 min Scan# 2097

Delta R.T. -0.009 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

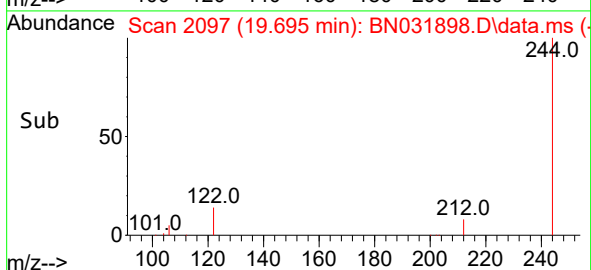
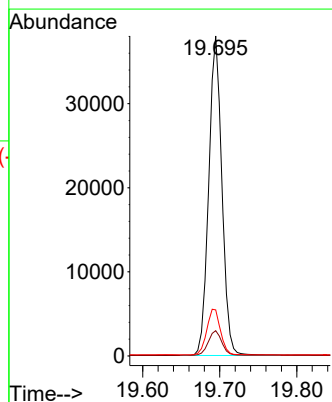
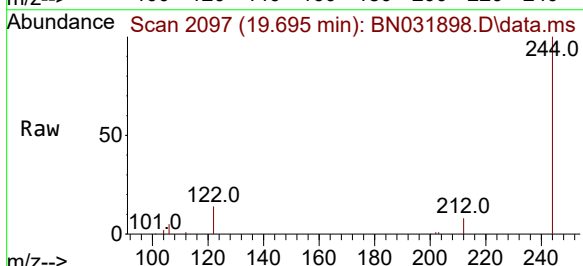
Tgt Ion:244 Resp: 45162

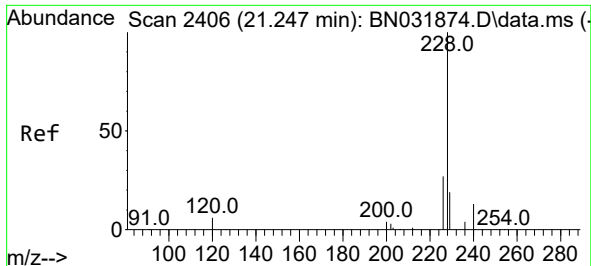
Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

122 14.4 11.4 17.0

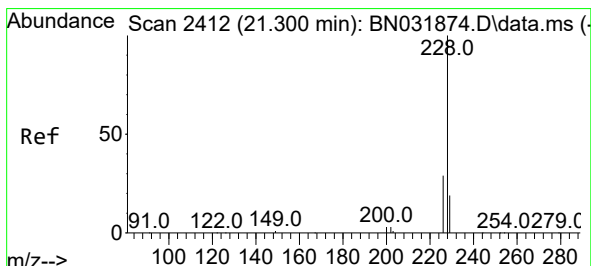
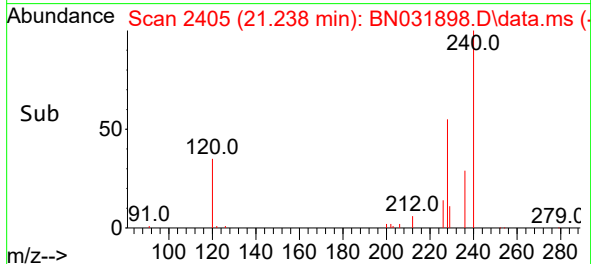
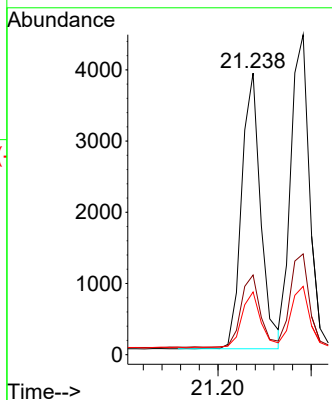
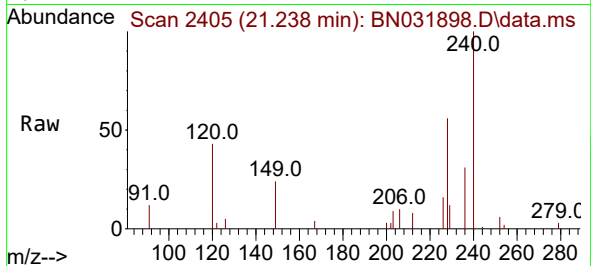




#32
Benzo(a)anthracene
Concen: 0.043 ng
RT: 21.238 min Scan# 2405
Delta R.T. -0.009 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

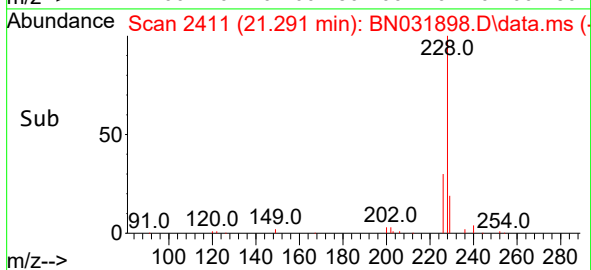
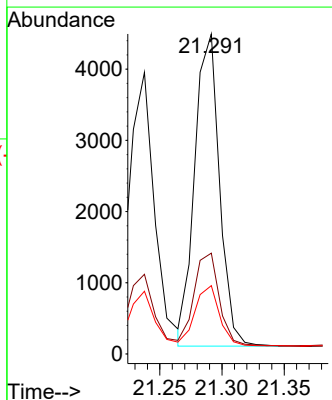
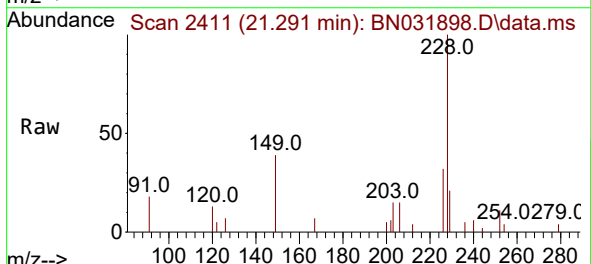
Instrument :
BNA_N
ClientSampleId :
SP-201-20240606

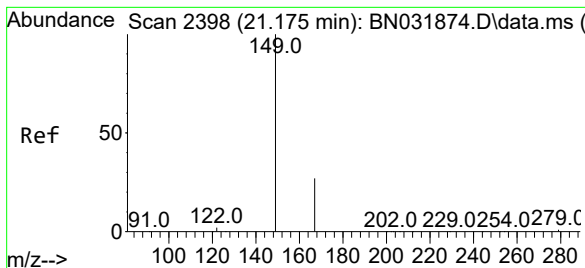
Tgt Ion:228 Resp: 5488
Ion Ratio Lower Upper
228 100
226 28.3 21.8 32.6
229 22.3 15.8 23.8



#33
Chrysene
Concen: 0.050 ng
RT: 21.291 min Scan# 2411
Delta R.T. -0.009 min
Lab File: BN031898.D
Acq: 11 Jun 2024 04:11

Tgt Ion:228 Resp: 6066
Ion Ratio Lower Upper
228 100
226 31.5 23.6 35.4
229 21.3 15.8 23.6

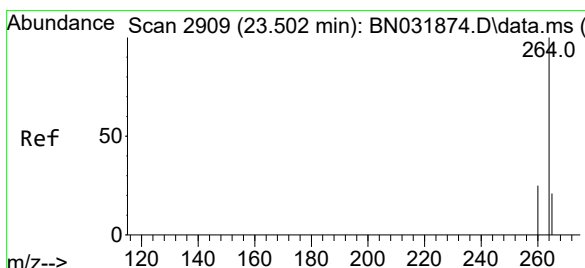
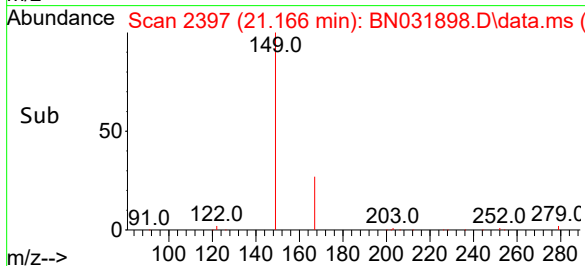
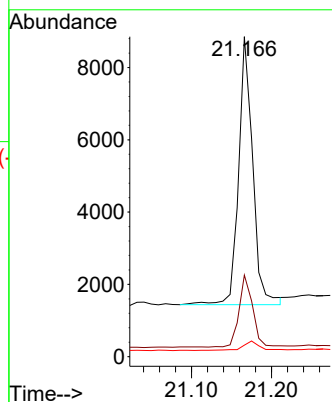
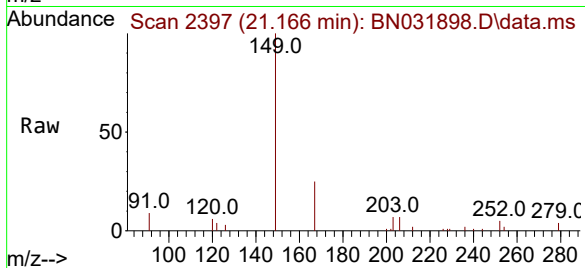




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.104 ng
 RT: 21.166 min Scan# 211
 Delta R.T. -0.009 min
 Lab File: BN031898.D
 Acq: 11 Jun 2024 04:11

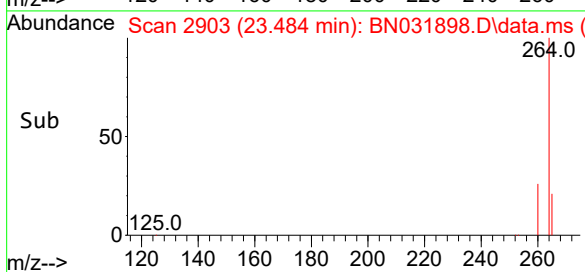
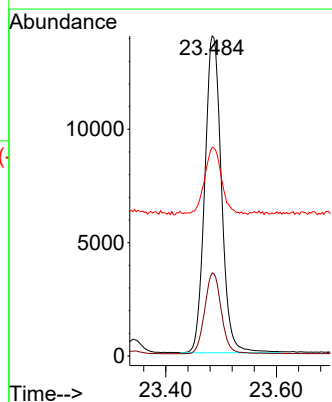
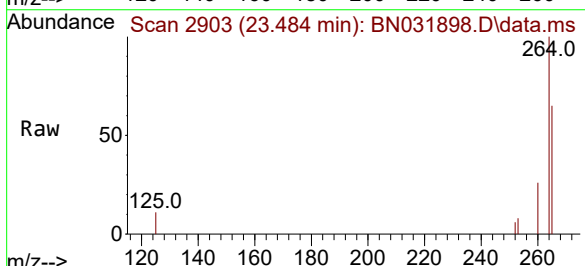
Instrument :
 BNA_N
 ClientSampleId :
 SP-201-20240606

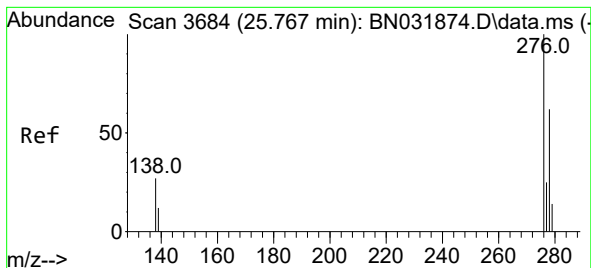
Tgt Ion:149 Resp: 9097
 Ion Ratio Lower Upper
 149 100
 167 26.0 22.5 33.7
 279 4.2 2.9 4.3



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.484 min Scan# 2903
 Delta R.T. -0.018 min
 Lab File: BN031898.D
 Acq: 11 Jun 2024 04:11

Tgt Ion:264 Resp: 29160
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.5 30.7
 265 65.2 39.6 59.4#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.041 ng

RT: 25.747 min Scan# 3

Delta R.T. -0.021 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

Instrument :

BNA_N

ClientSampleId :

SP-201-20240606

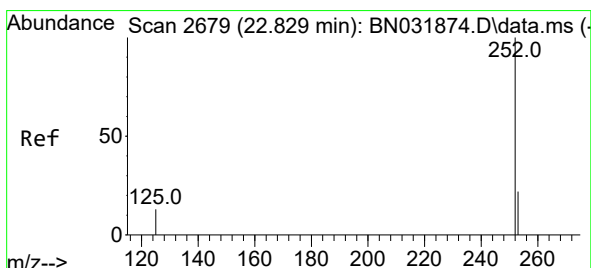
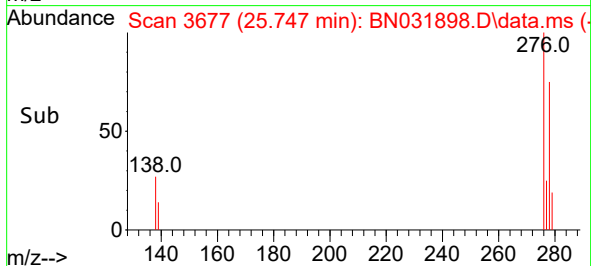
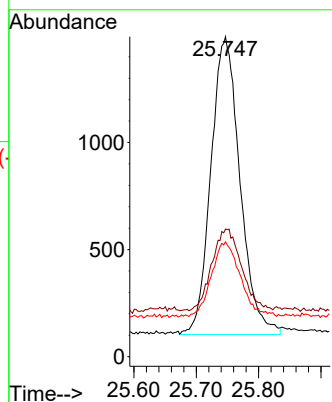
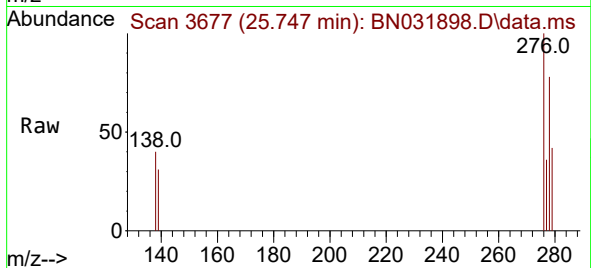
Tgt Ion:276 Resp: 4495

Ion Ratio Lower Upper

276 100

138 28.1 21.5 32.3

277 24.9 19.8 29.8



#37

Benzo(b)fluoranthene

Concen: 0.054 ng

RT: 22.811 min Scan# 2673

Delta R.T. -0.018 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

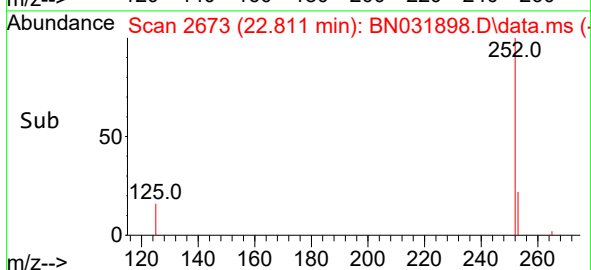
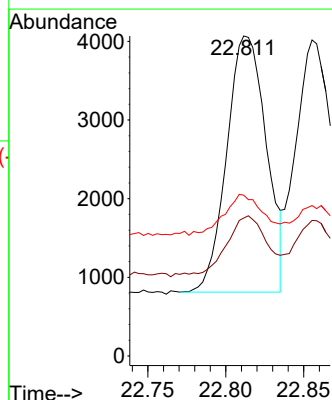
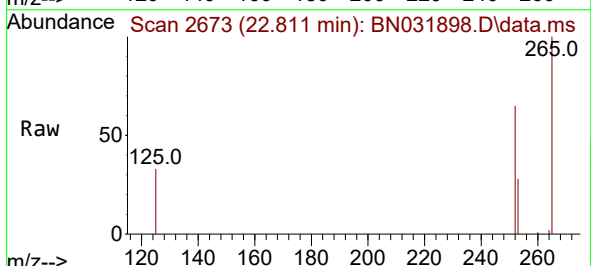
Tgt Ion:252 Resp: 5764

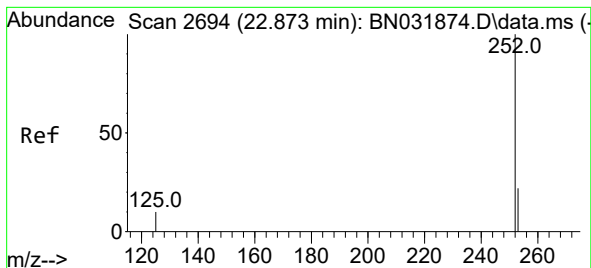
Ion Ratio Lower Upper

252 100

253 43.1 20.2 30.2#

125 50.3 14.2 21.4#





#38

Benzo(k)fluoranthene

Concen: 0.054 ng

RT: 22.855 min Scan# 2

Delta R.T. -0.018 min

Lab File: BN031898.D

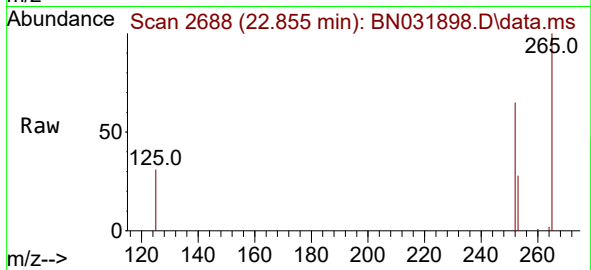
Acq: 11 Jun 2024 04:11

Instrument :

BNA_N

ClientSampleId :

SP-201-20240606



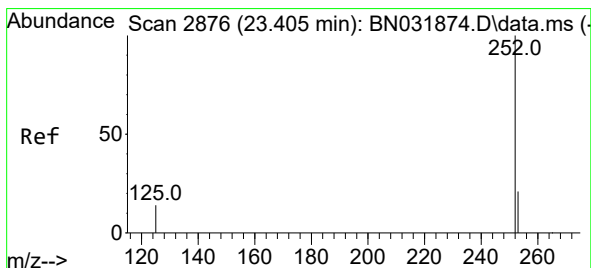
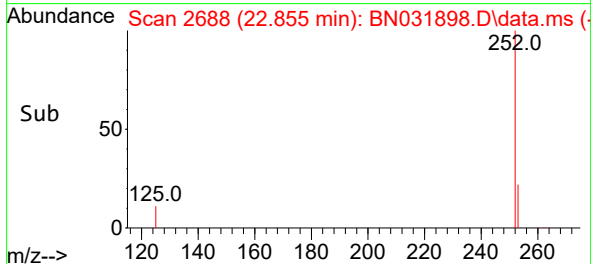
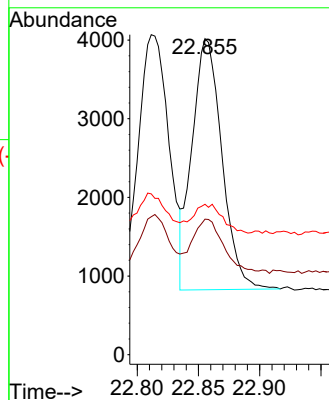
Tgt Ion:252 Resp: 5427

Ion Ratio Lower Upper

252 100

253 42.9 19.9 29.9#

125 47.6 13.0 19.4#



#39

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.384 min Scan# 2869

Delta R.T. -0.021 min

Lab File: BN031898.D

Acq: 11 Jun 2024 04:11

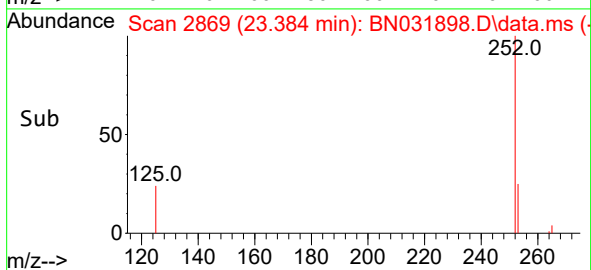
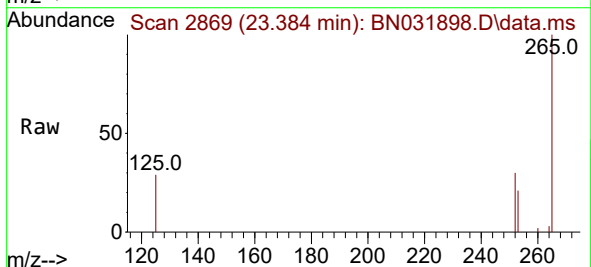
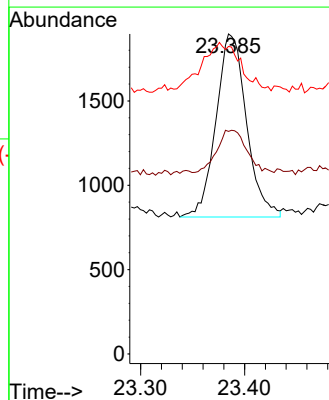
Tgt Ion:252 Resp: 2209

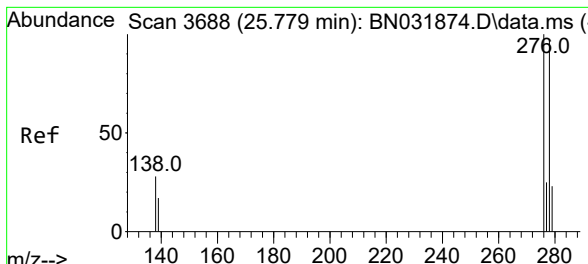
Ion Ratio Lower Upper

252 100

253 69.5 20.5 30.7#

125 96.1 16.4 24.6#

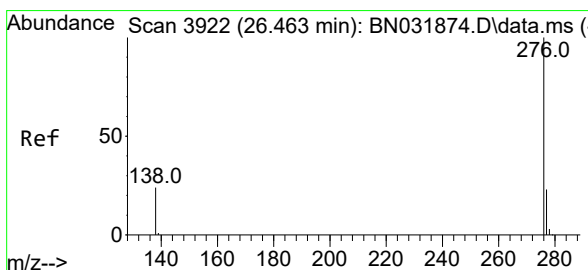
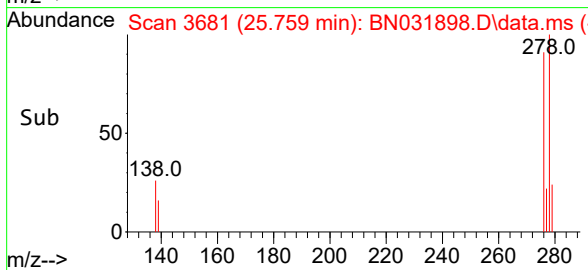
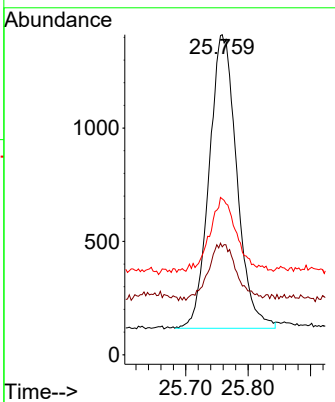
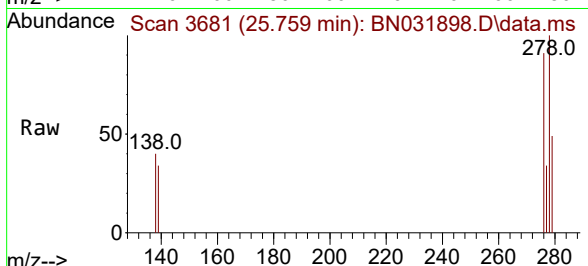




#40
 Dibenzo(a,h)anthracene
 Concen: 0.046 ng
 RT: 25.759 min Scan# 30
 Delta R.T. -0.021 min
 Lab File: BN031898.D
 Acq: 11 Jun 2024 04:11

Instrument :
 BNA_N
 ClientSampleId :
 SP-201-20240606

Tgt Ion:	278	Resp:	3982
Ion Ratio	Lower	Upper	
278	100		
139	33.7	17.0	25.4#
279	48.7	21.4	32.0#



#41
 Benzo(g,h,i)perylene
 Concen: 0.021 ng
 RT: 26.440 min Scan# 3914
 Delta R.T. -0.023 min
 Lab File: BN031898.D
 Acq: 11 Jun 2024 04:11

Tgt Ion:	276	Resp:	1923
Ion Ratio	Lower	Upper	
276	100		
277	44.6	20.2	30.2#
138	50.9	20.6	31.0#

