

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051123\
 Data File : BN025406.D
 Acq On : 11 May 2023 18:19
 Operator : CG/JU
 Sample : 02719-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-04_10-12_20230509

Quant Time: May 12 04:01:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 00:57:16 2023
 Response via : Initial Calibration

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

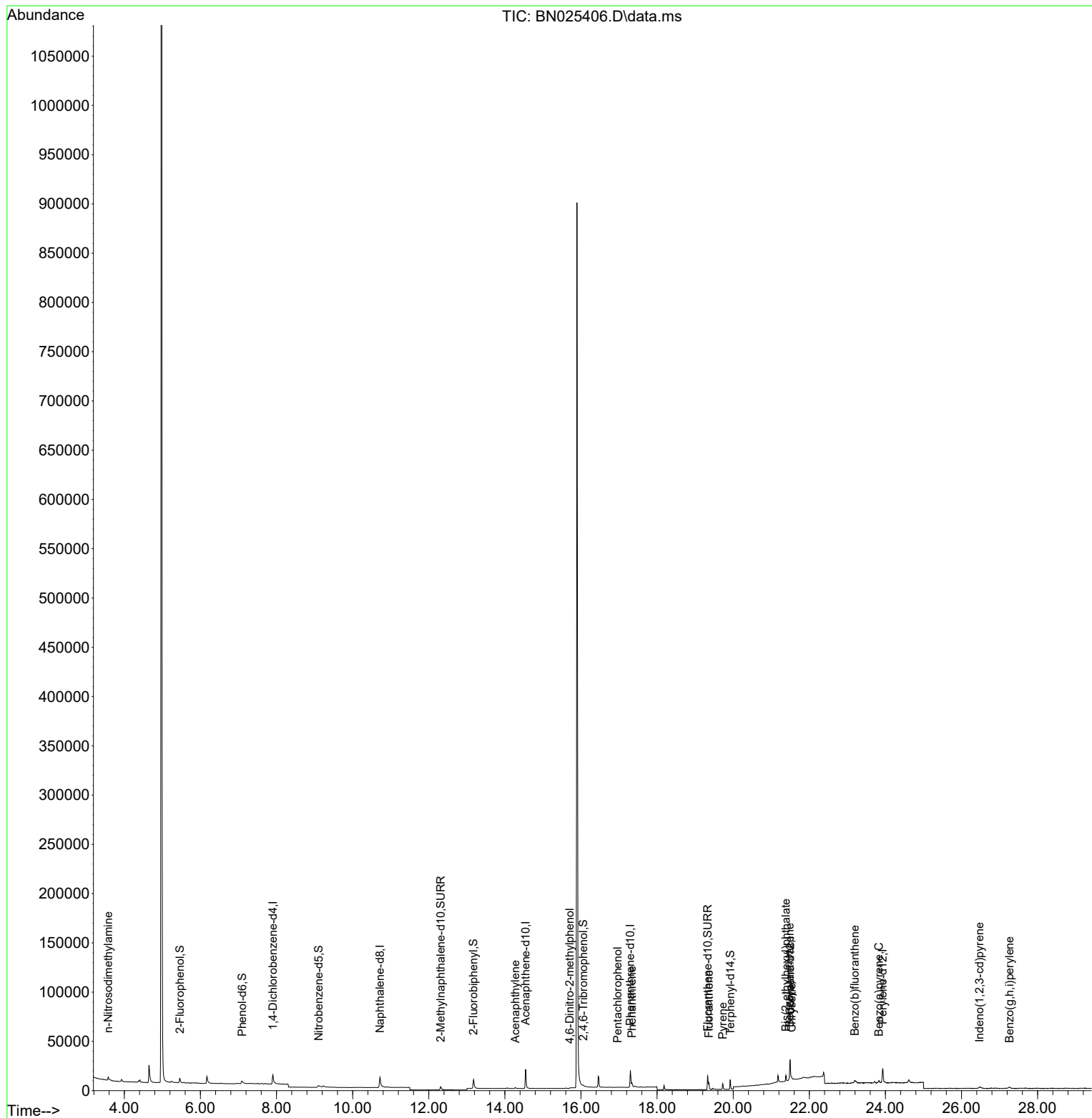
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	6649	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	20198	0.400	ng	0.01
13) Acenaphthene-d10	14.544	164	12773	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	27659	0.400	ng	0.00
29) Chrysene-d12	21.500	240	21024	0.400	ng	# 0.00
35) Perylene-d12	23.930	264	19714	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	4661	0.302	ng	0.00
5) Phenol-d6	7.095	99	4953	0.237	ng	0.01
8) Nitrobenzene-d5	9.106	82	3231	0.198	ng	0.02
11) 2-Methylnaphthalene-d10	12.313	152	7265	0.273	ng	0.00
14) 2,4,6-Tribromophenol	16.057	330	670	0.098	ng	0.00
15) 2-Fluorobiphenyl	13.176	172	10535	0.238	ng	0.00
27) Fluoranthene-d10	19.330	212	16535	0.261	ng	0.00
31) Terphenyl-d14	19.924	244	13646	0.269	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.578	42	1453	0.147	ng	# 1
16) Acenaphthylene	14.277	152	1475	0.025	ng	# 93
20) 4,6-Dinitro-2-methylph...	15.699	198	8	0.223	ng	# 1
24) Pentachlorophenol	16.963	266	8	0.100	ng	# 19
25) Phenanthrene	17.336	178	4740	0.063	ng	# 96
28) Fluoranthene	19.359	202	6455	0.074	ng	97
30) Pyrene	19.726	202	5690	0.064	ng	98
32) Benzo(a)anthracene	21.482	228	2334	0.033	ng	# 72
33) Chrysene	21.536	228	2588	0.037	ng	# 72
34) Bis(2-ethylhexyl)phtha...	21.383	149	5730	0.083	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.474	276	2593	0.036	ng	# 92
37) Benzo(b)fluoranthene	23.194	252	4159	0.064	ng	# 17
39) Benzo(a)pyrene	23.831	252	3035	0.048	ng	# 17
41) Benzo(g,h,i)perylene	27.258	276	2646	0.043	ng	# 56

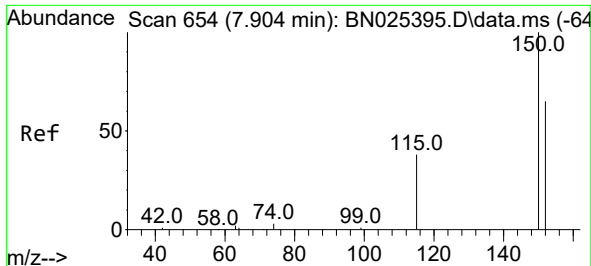
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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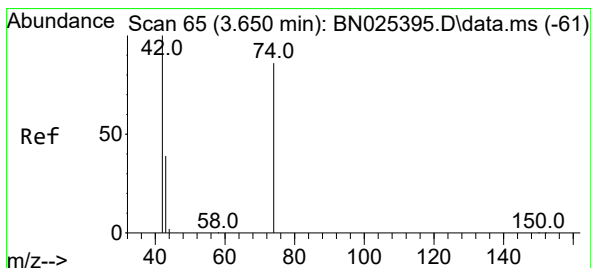
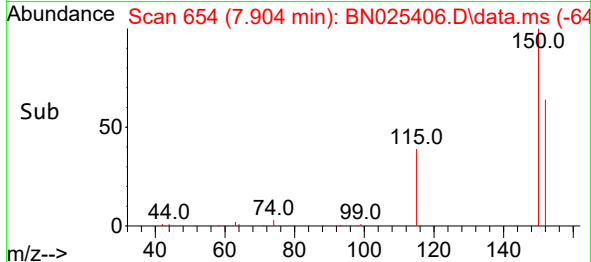
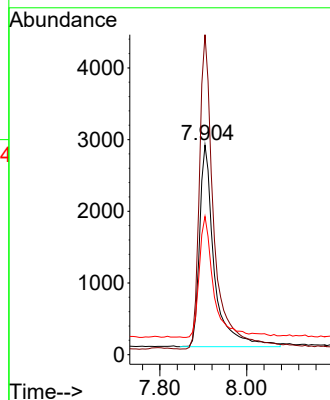
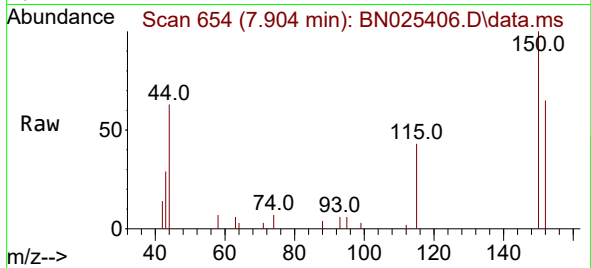




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

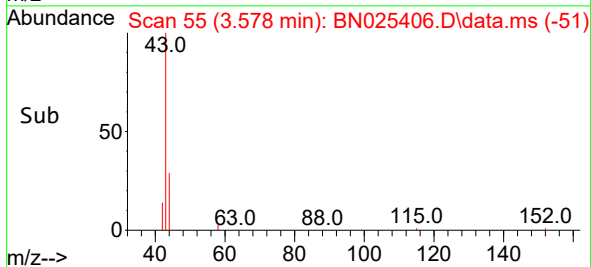
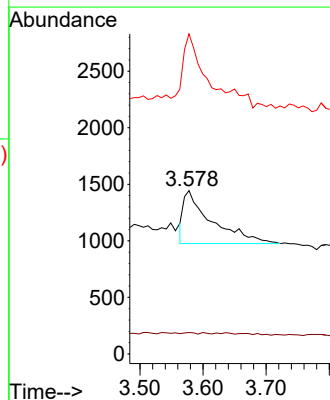
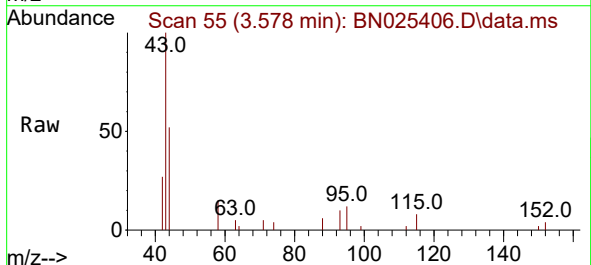
Instrument :
BNA_N
ClientSampleId :
SB-04_10-12_20230509

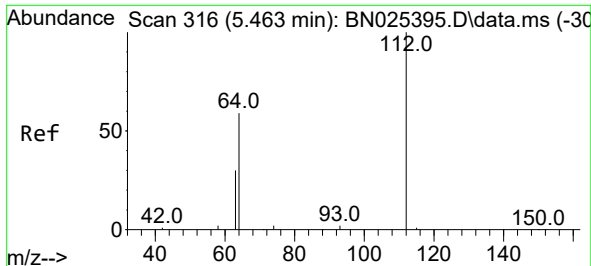
Tgt Ion:152 Resp: 6649
Ion Ratio Lower Upper
152 100
150 152.7 121.4 182.2
115 66.0 50.6 76.0



#3
n-Nitrosodimethylamine
Concen: 0.147 ng
RT: 3.578 min Scan# 55
Delta R.T. -0.072 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

Tgt Ion: 42 Resp: 1453
Ion Ratio Lower Upper
42 100
74 1.0 82.2 123.4#
44 103.6 7.8 11.8#





#4

2-Fluorophenol

Concen: 0.302 ng

RT: 5.463 min Scan# 316

Delta R.T. 0.000 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

Instrument :

BNA_N

ClientSampleId :

SB-04_10-12_20230509

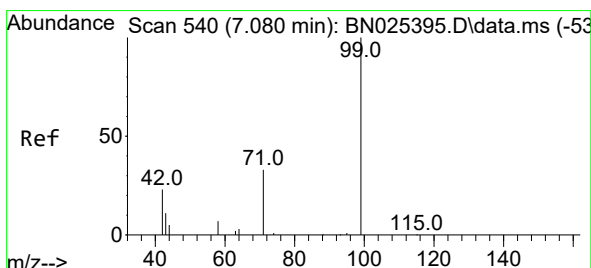
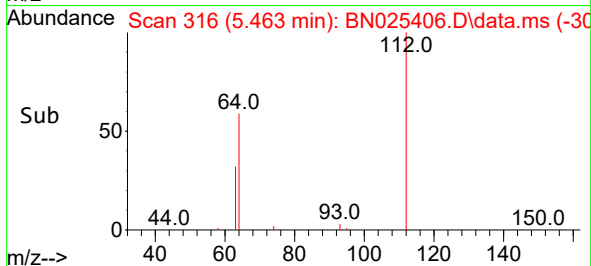
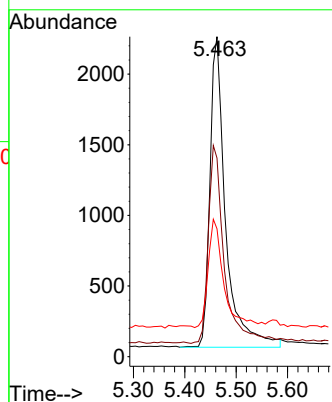
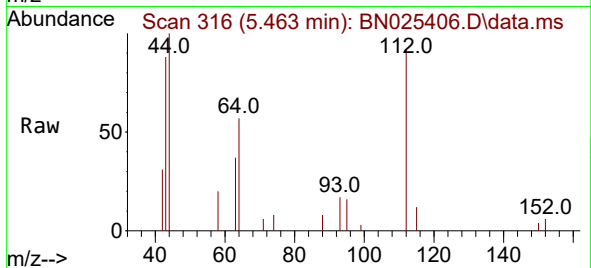
Tgt Ion:112 Resp: 4661

Ion Ratio Lower Upper

112 100

64 64.9 51.9 77.9

63 34.4 27.4 41.2



#5

Phenol-d6

Concen: 0.237 ng

RT: 7.095 min Scan# 542

Delta R.T. 0.015 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

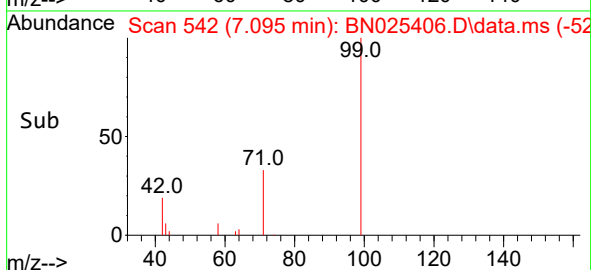
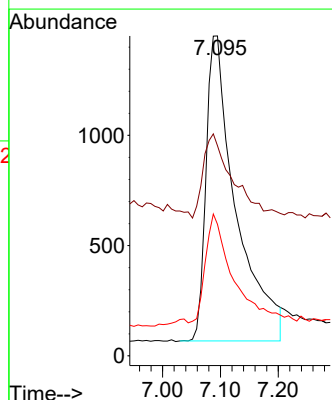
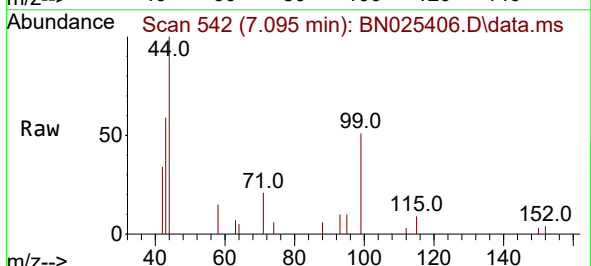
Tgt Ion: 99 Resp: 4953

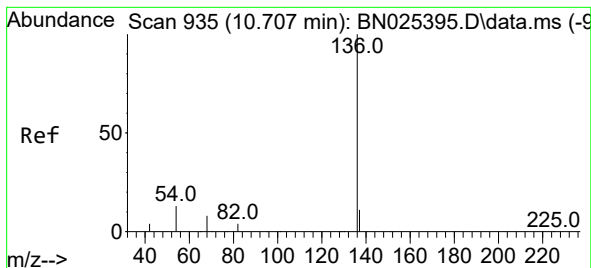
Ion Ratio Lower Upper

99 100

42 27.5 23.5 35.3

71 32.5 28.1 42.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.718 min Scan# 91

Delta R.T. 0.011 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

Instrument :

BNA_N

ClientSampleId :

SB-04_10-12_20230509

Tgt Ion:136 Resp: 20198

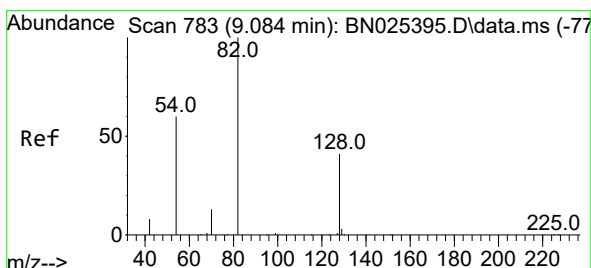
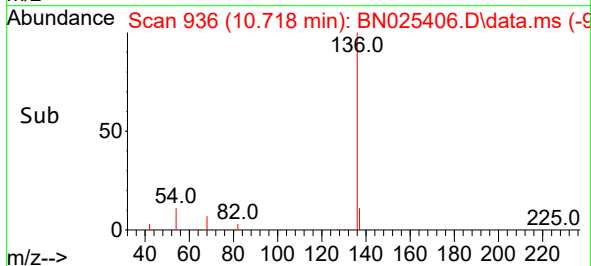
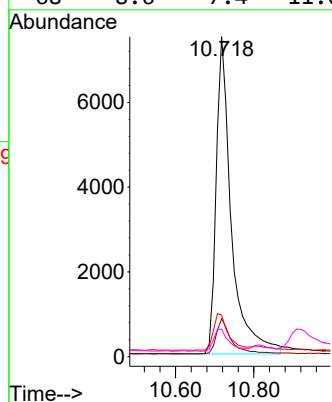
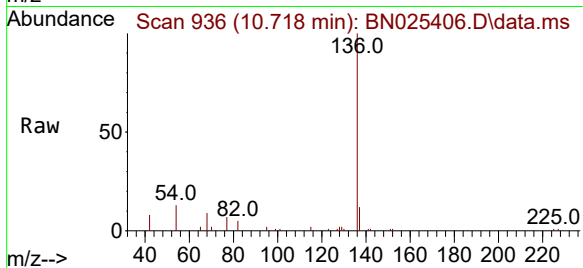
Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 13.0 11.2 16.8

68 8.6 7.4 11.0



#8

Nitrobenzene-d5

Concen: 0.198 ng

RT: 9.106 min Scan# 785

Delta R.T. 0.022 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

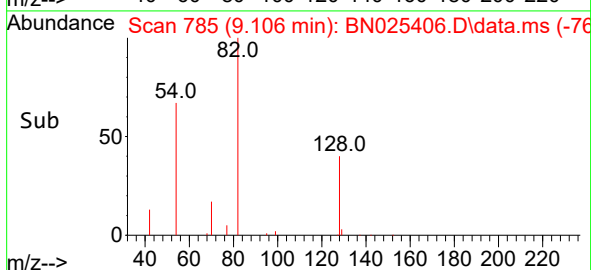
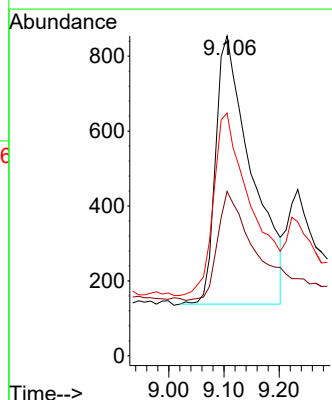
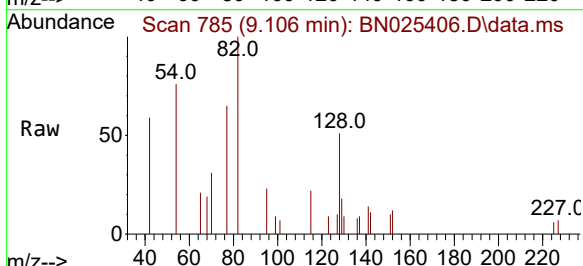
Tgt Ion: 82 Resp: 3231

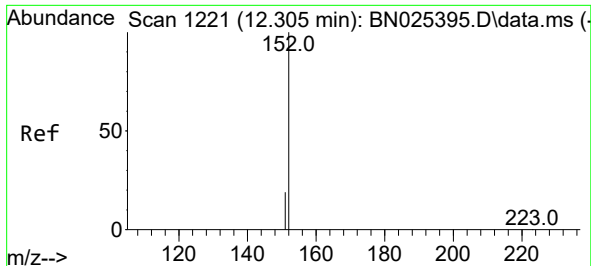
Ion Ratio Lower Upper

82 100

128 51.4 35.8 53.8

54 75.9 50.4 75.6#





#11

2-Methylnaphthalene-d10

Concen: 0.273 ng

RT: 12.313 min Scan# 11

Delta R.T. 0.008 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

Instrument :

BNA_N

ClientSampleId :

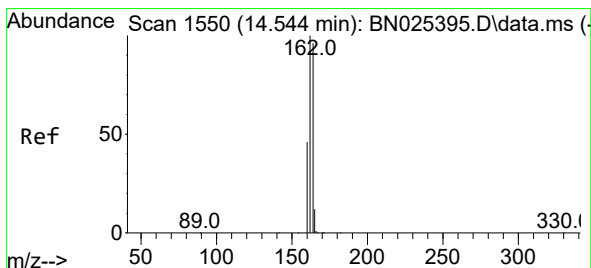
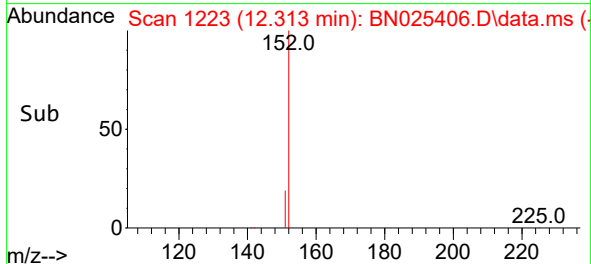
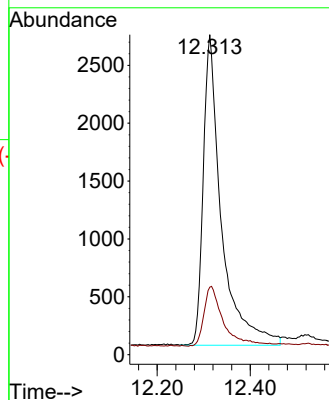
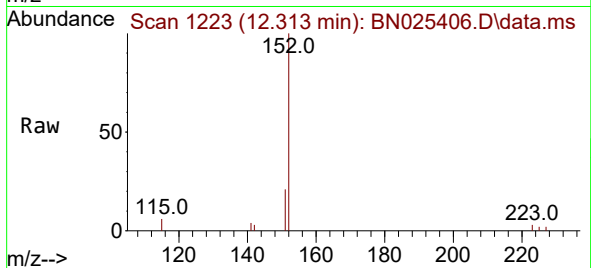
SB-04_10-12_20230509

Tgt Ion:152 Resp: 7265

Ion Ratio Lower Upper

152 100

151 20.9 16.1 24.1



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.544 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

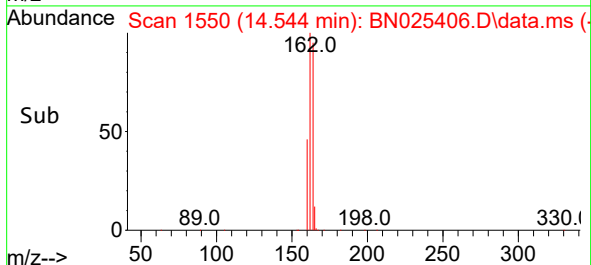
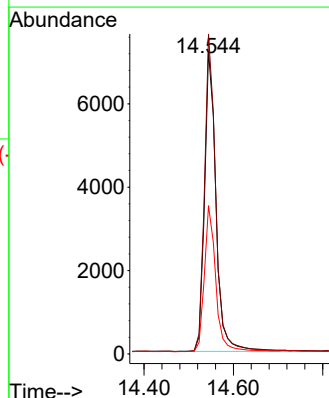
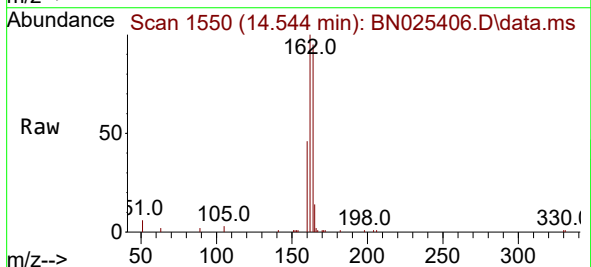
Tgt Ion:164 Resp: 12773

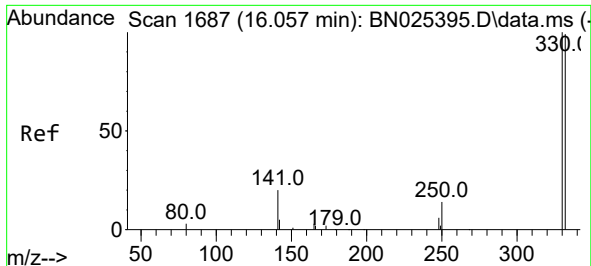
Ion Ratio Lower Upper

164 100

162 105.6 83.2 124.8

160 49.0 38.8 58.2

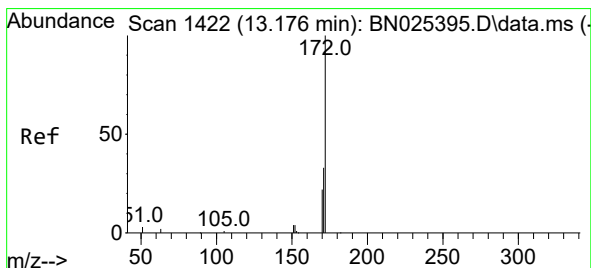
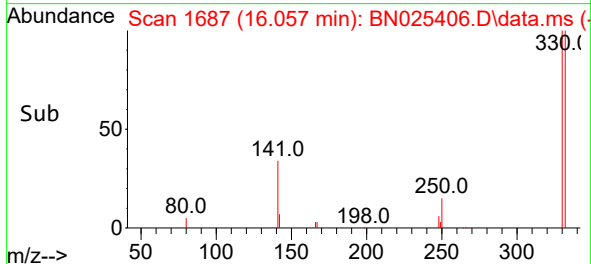
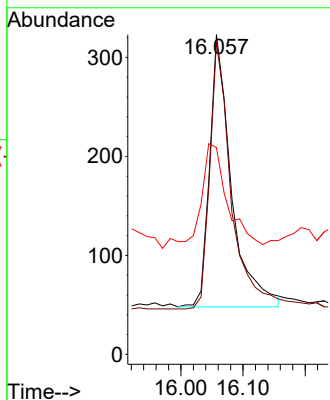
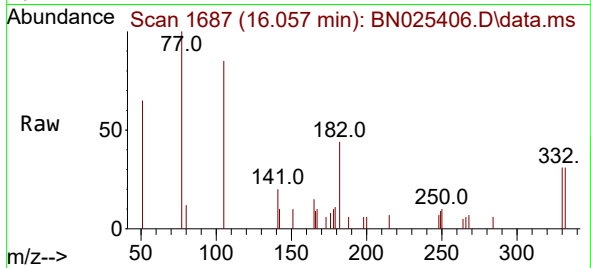




#14
2,4,6-Tribromophenol
Concen: 0.098 ng
RT: 16.057 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

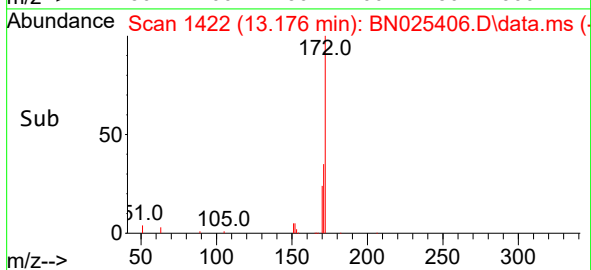
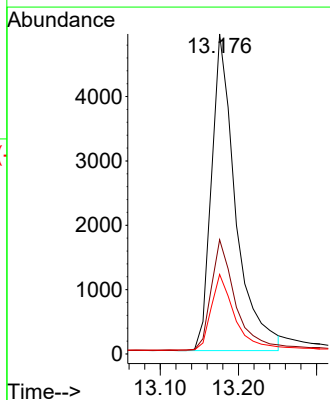
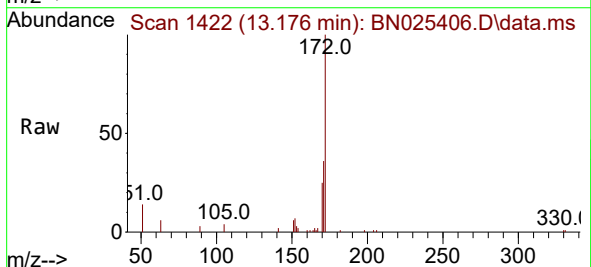
Instrument :
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ClientSampleId :
SB-04_10-12_20230509

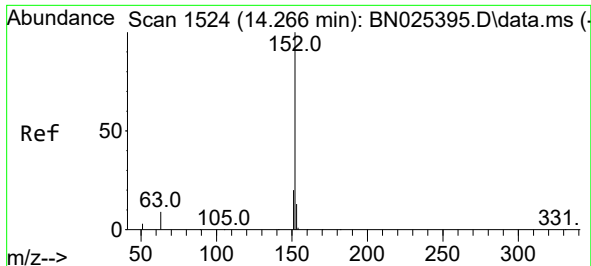
Tgt Ion:330 Resp: 670
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 41.2 30.2 45.2



#15
2-Fluorobiphenyl
Concen: 0.238 ng
RT: 13.176 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

Tgt Ion:172 Resp: 10535
Ion Ratio Lower Upper
172 100
171 35.7 26.7 40.1
170 24.9 17.8 26.8

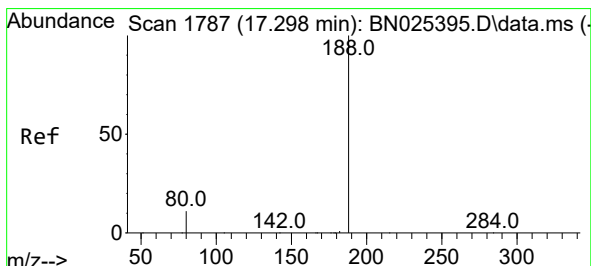
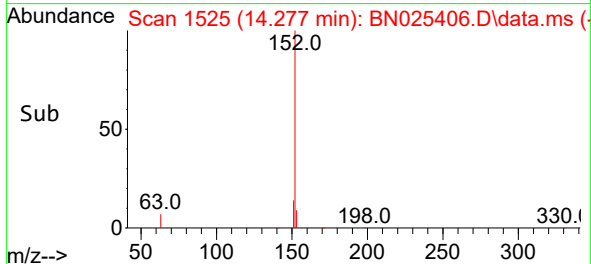
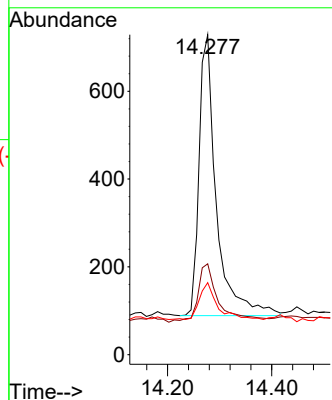
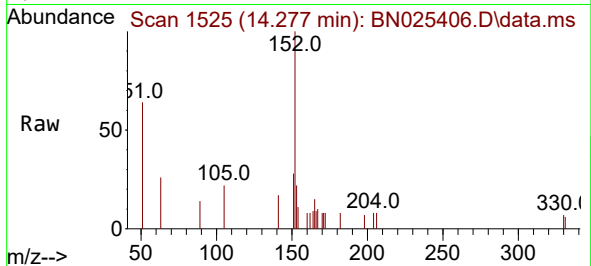




#16
Acenaphthylene
Concen: 0.025 ng
RT: 14.277 min Scan# 1525
Delta R.T. 0.011 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

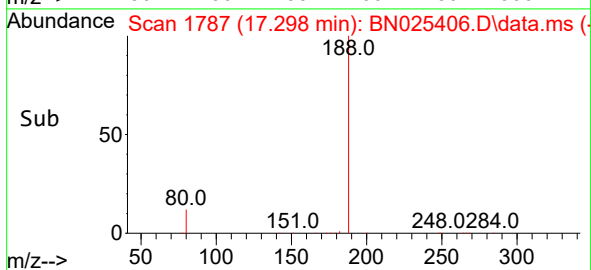
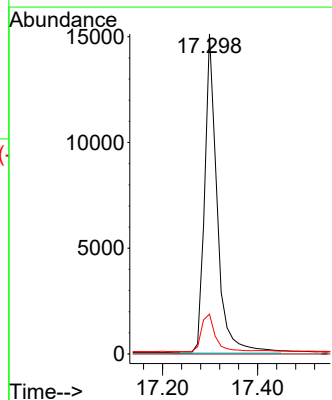
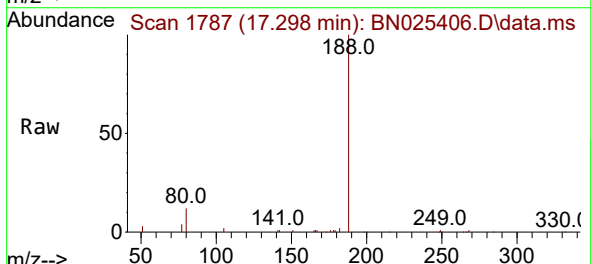
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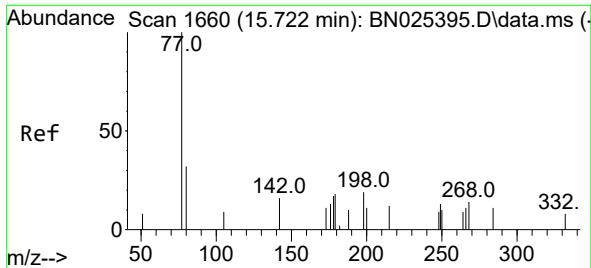
Tgt Ion:152 Resp: 1475
Ion Ratio Lower Upper
152 100
151 25.4 15.9 23.9#
153 13.5 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.298 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

Tgt Ion:188 Resp: 27659
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.5 9.4 14.2

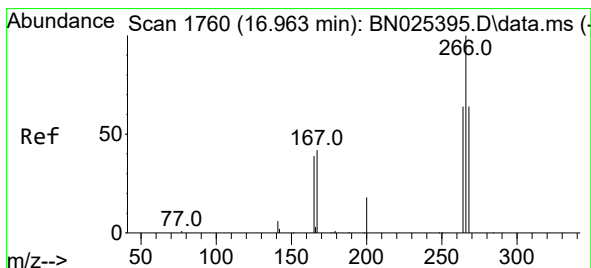
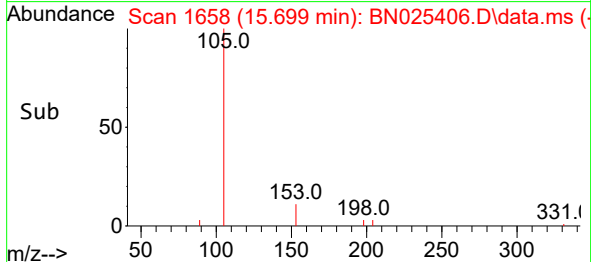
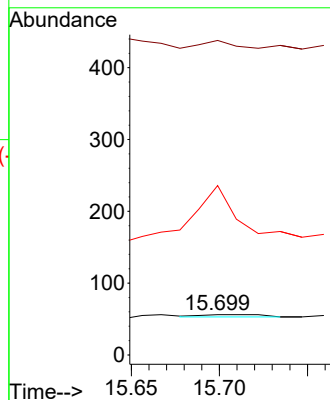
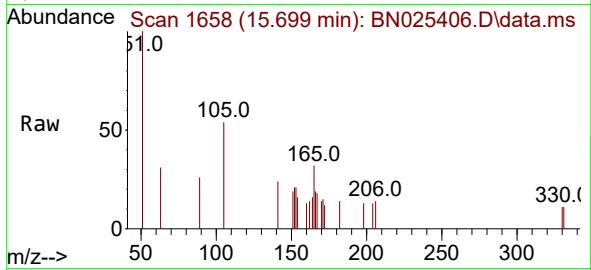




#20
4,6-Dinitro-2-methylphenol
Concen: 0.223 ng
RT: 15.699 min Scan# 1658
Delta R.T. -0.023 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

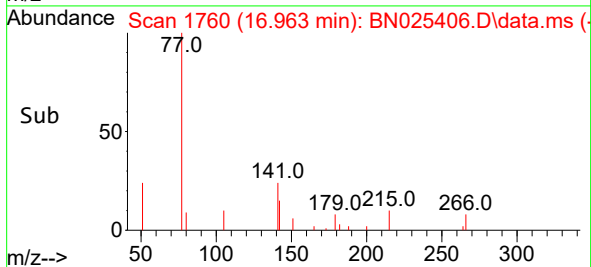
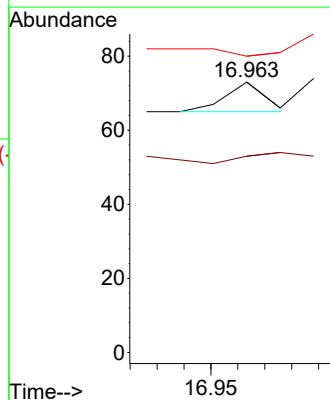
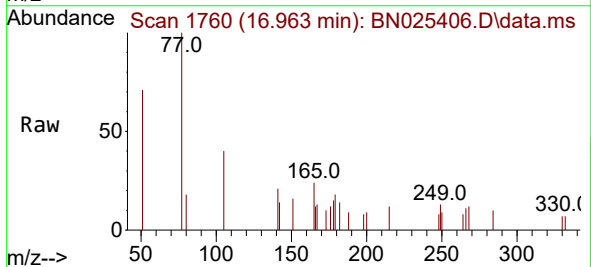
Instrument :
BNA_N
ClientSampleId :
SB-04_10-12_20230509

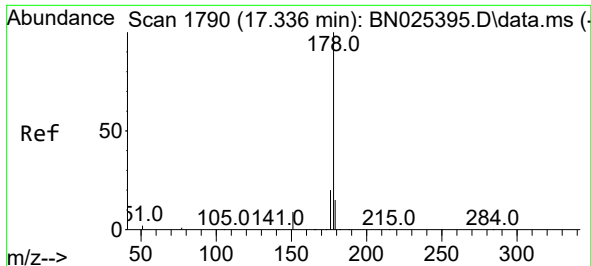
Tgt Ion:198 Resp: 8
Ion Ratio Lower Upper
198 100
51 782.1 259.2 388.8#
105 421.4 112.6 168.8#



#24
Pentachlorophenol
Concen: 0.100 ng
RT: 16.963 min Scan# 1760
Delta R.T. 0.000 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

Tgt Ion:266 Resp: 8
Ion Ratio Lower Upper
266 100
264 0.0 50.1 75.1#
268 0.0 49.3 73.9#

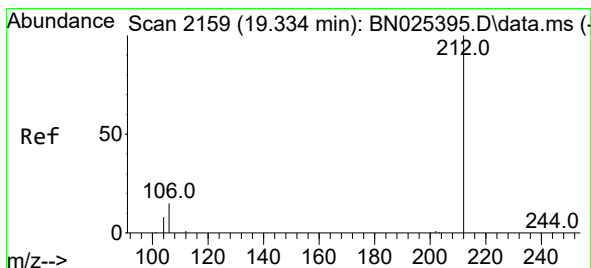
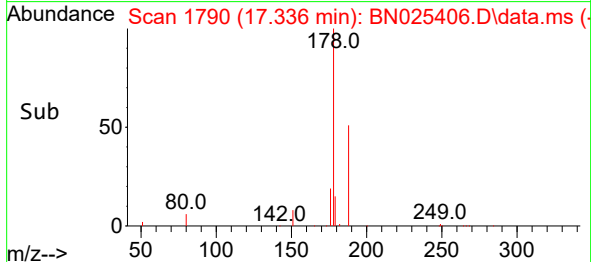
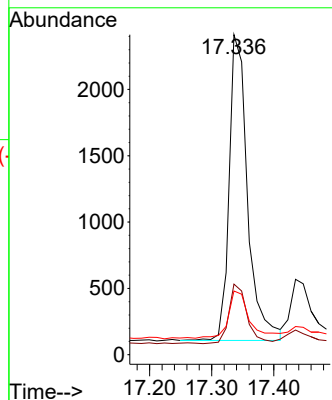
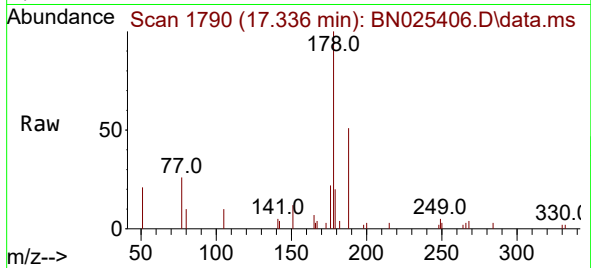




#25
Phenanthrene
Concen: 0.063 ng
RT: 17.336 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

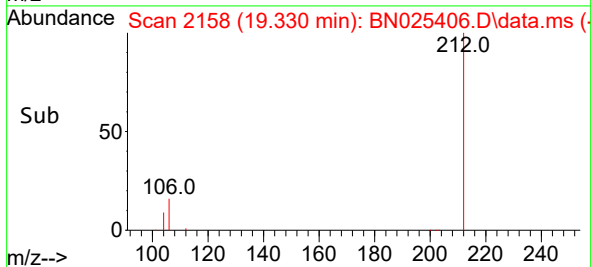
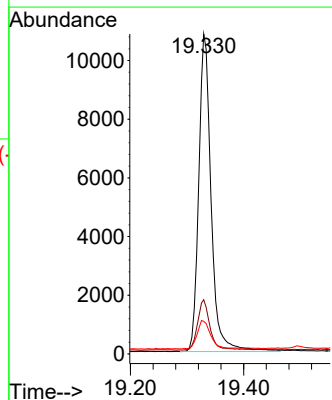
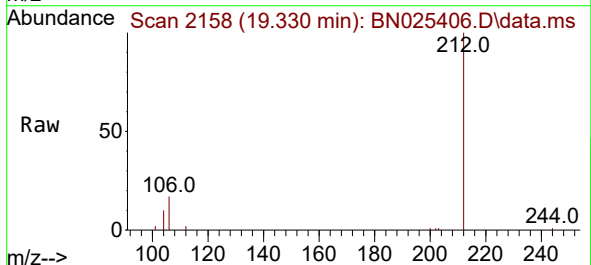
Instrument :
BNA_N
ClientSampleId :
SB-04_10-12_20230509

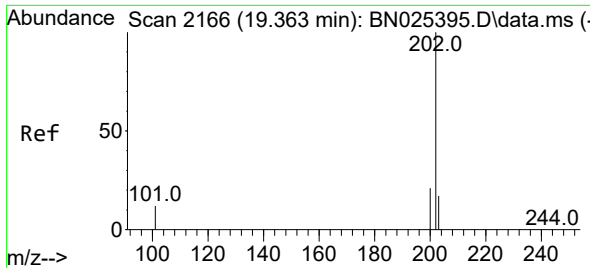
Tgt Ion:178 Resp: 4740
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 18.9 12.1 18.1#



#27
Fluoranthene-d10
Concen: 0.261 ng
RT: 19.330 min Scan# 2158
Delta R.T. -0.004 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

Tgt Ion:212 Resp: 16535
Ion Ratio Lower Upper
212 100
106 16.0 12.6 19.0
104 9.7 7.0 10.4

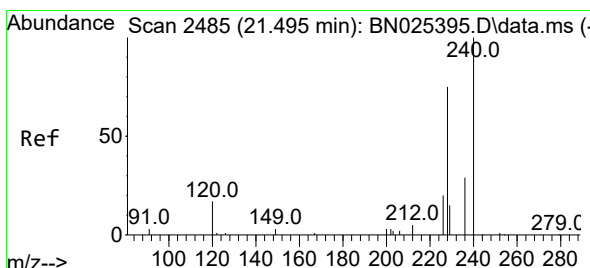
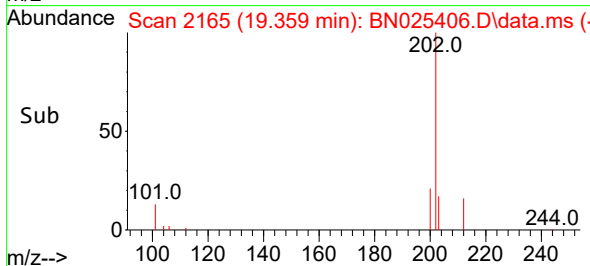
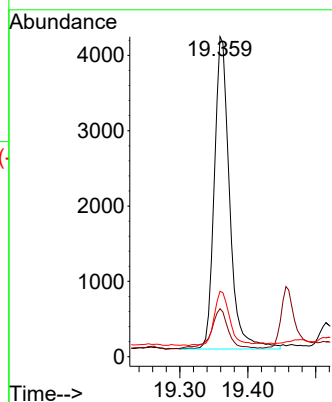
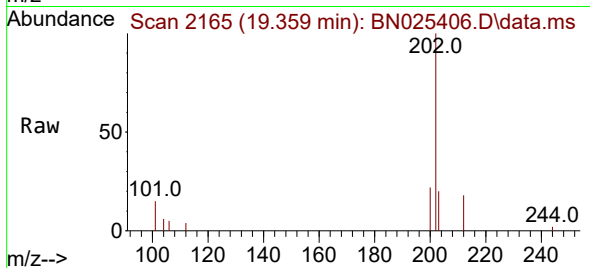




#28
Fluoranthene
Concen: 0.074 ng
RT: 19.359 min Scan# 2165
Delta R.T. -0.004 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

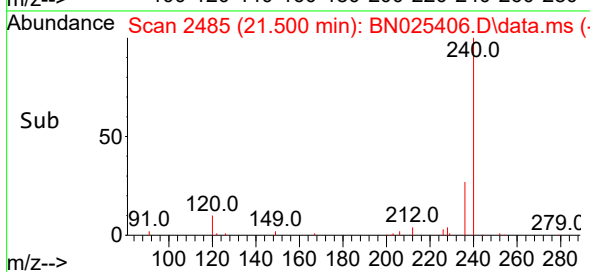
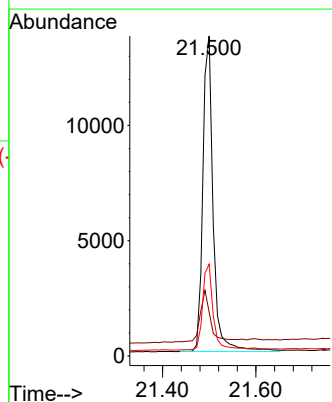
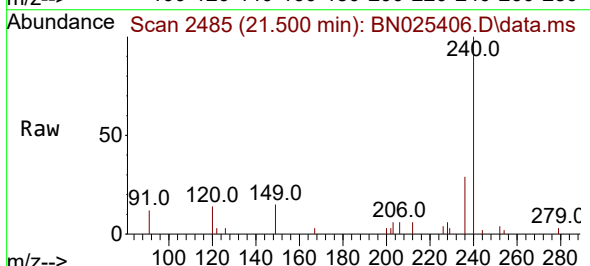
Instrument :
BNA_N
ClientSampleId :
SB-04_10-12_20230509

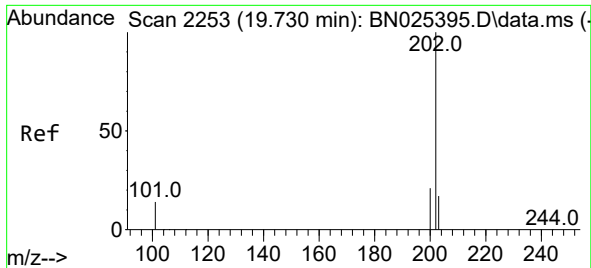
Tgt Ion:202 Resp: 6455
Ion Ratio Lower Upper
202 100
101 14.4 9.8 14.8
203 16.8 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.500 min Scan# 2485
Delta R.T. 0.005 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

Tgt Ion:240 Resp: 21024
Ion Ratio Lower Upper
240 100
120 13.7 19.0 28.6#
236 28.7 25.0 37.6

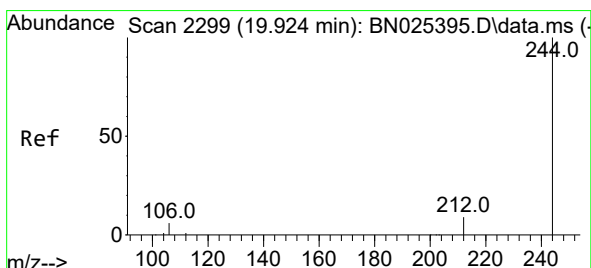
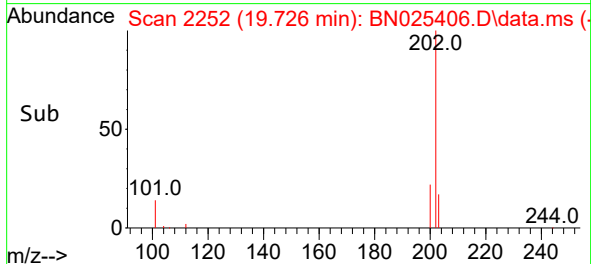
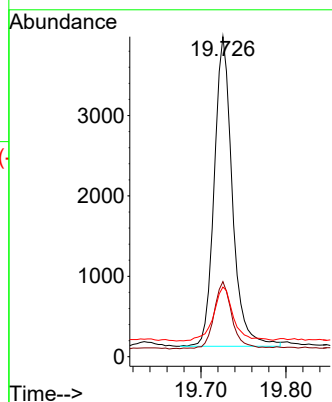
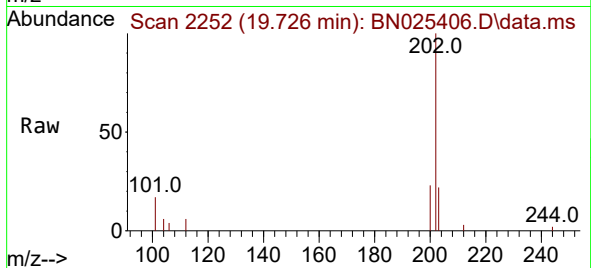




#30
Pyrene
Concen: 0.064 ng
RT: 19.726 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

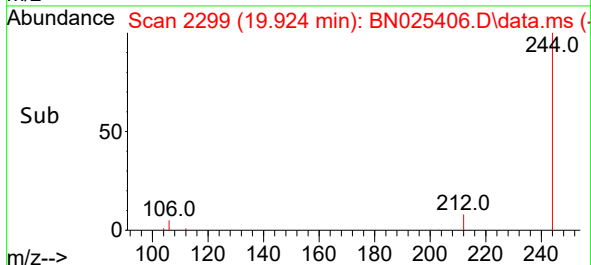
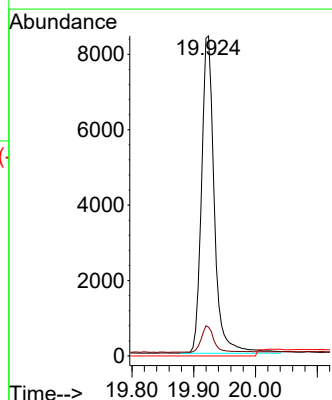
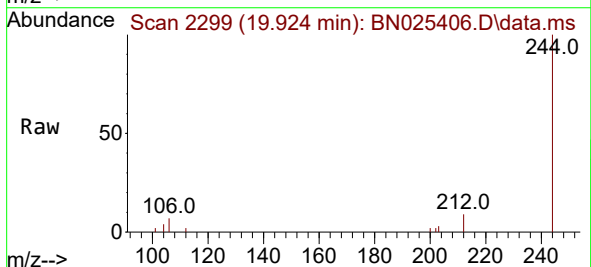
Instrument :
BNA_N
ClientSampleId :
SB-04_10-12_20230509

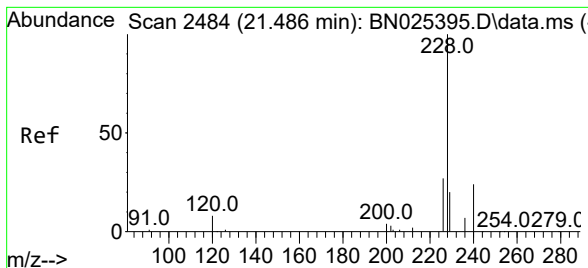
Tgt Ion:202 Resp: 5690
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 19.4 14.4 21.6



#31
Terphenyl-d14
Concen: 0.269 ng
RT: 19.924 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BN025406.D
Acq: 11 May 2023 18:19

Tgt Ion:244 Resp: 13646
Ion Ratio Lower Upper
244 100
212 9.0 7.5 11.3
122 0.0 0.0 0.0





#32

Benzo(a)anthracene

Concen: 0.033 ng

RT: 21.482 min Scan# 2483

Delta R.T. -0.004 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

Instrument :

BNA_N

ClientSampleId :

SB-04_10-12_20230509

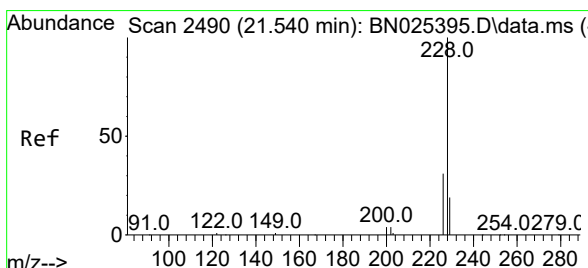
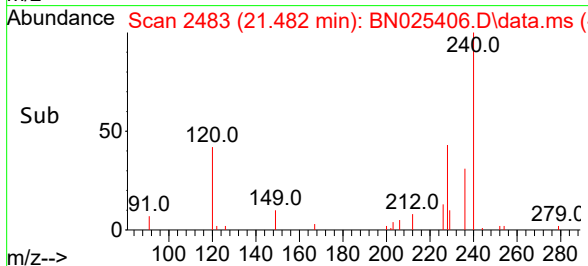
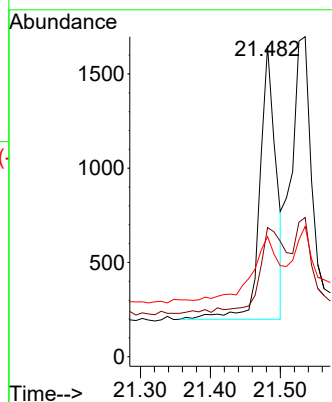
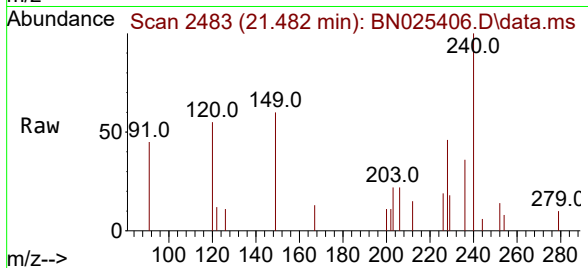
Tgt Ion:228 Resp: 2334

Ion Ratio Lower Upper

228 100

226 41.5 23.2 34.8#

229 38.6 18.2 27.2#



#33

Chrysene

Concen: 0.037 ng

RT: 21.536 min Scan# 2489

Delta R.T. -0.004 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

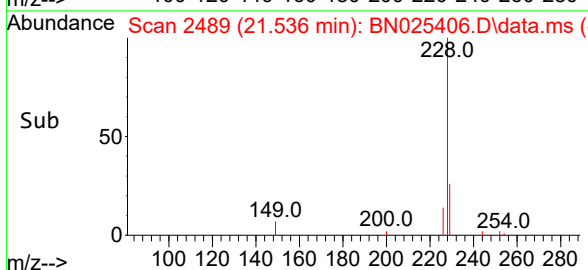
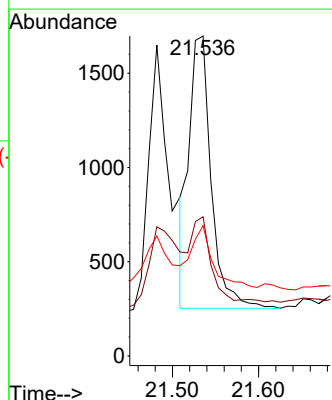
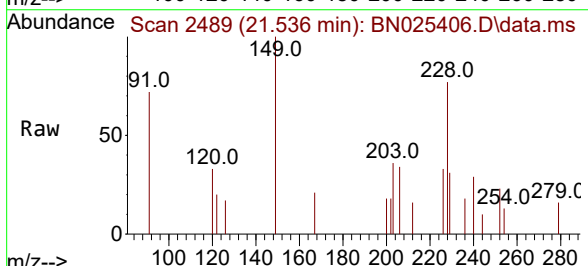
Tgt Ion:228 Resp: 2588

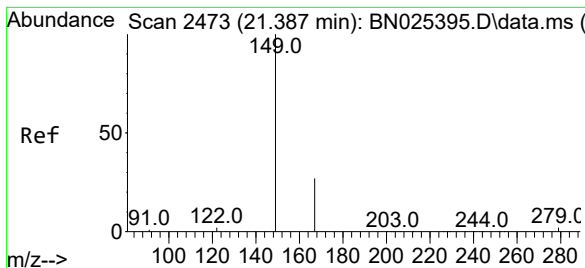
Ion Ratio Lower Upper

228 100

226 43.5 25.8 38.6#

229 40.7 17.9 26.9#





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.083 ng

RT: 21.383 min Scan# 2473

Delta R.T. -0.004 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

Instrument :

BNA_N

ClientSampleId :

SB-04_10-12_20230509

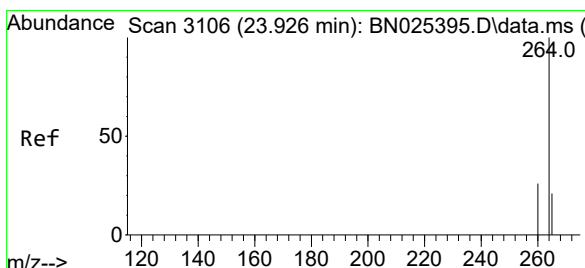
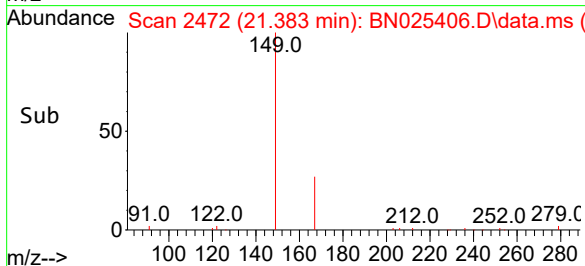
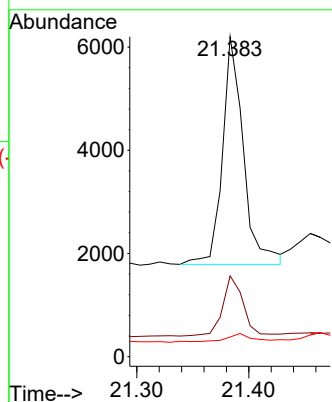
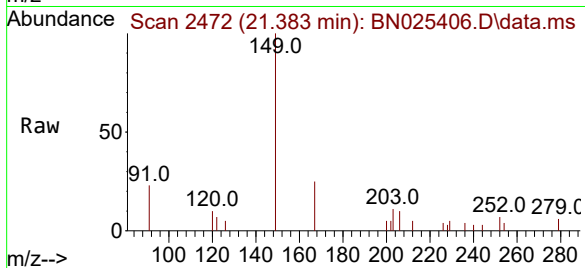
Tgt Ion:149 Resp: 5730

Ion Ratio Lower Upper

149 100

167 25.8 21.7 32.5

279 5.2 3.0 4.4#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.930 min Scan# 3108

Delta R.T. 0.005 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

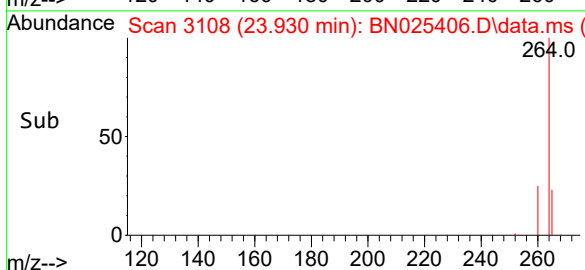
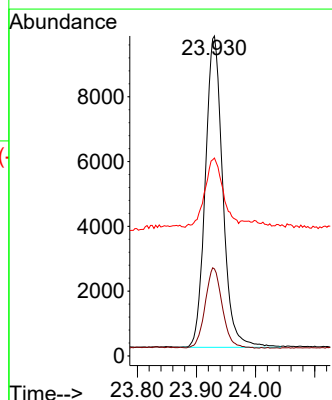
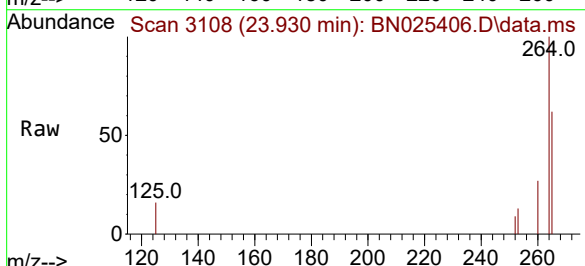
Tgt Ion:264 Resp: 19714

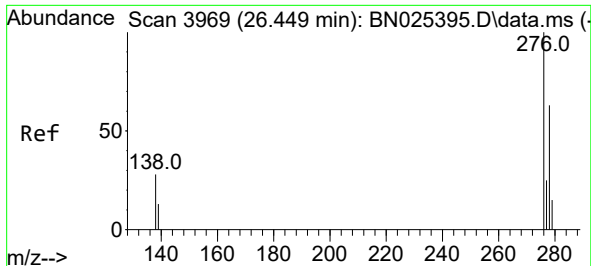
Ion Ratio Lower Upper

264 100

260 27.2 23.5 35.3

265 61.8 50.9 76.3

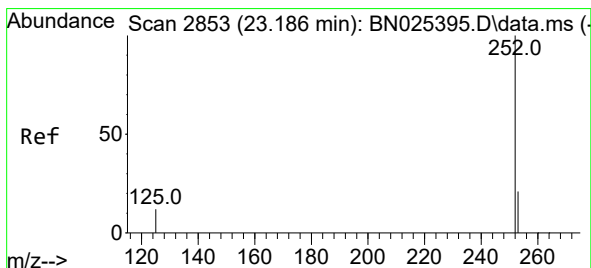
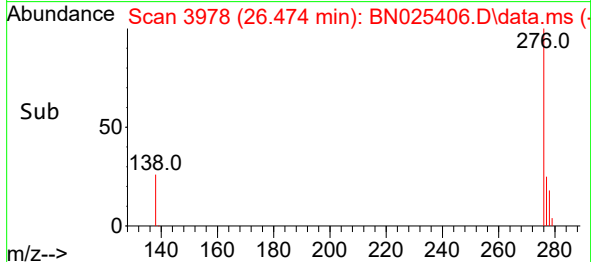
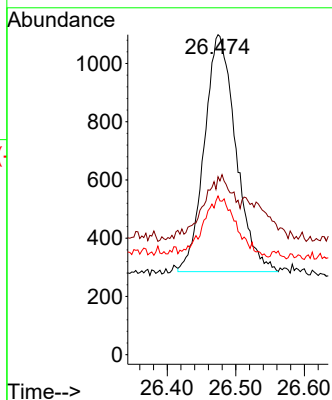
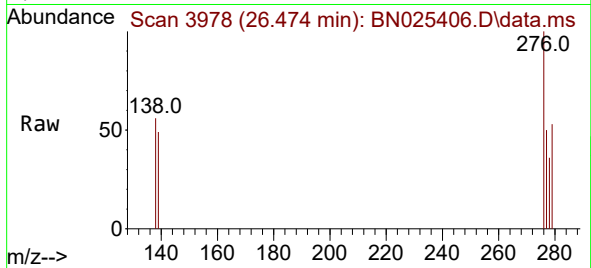




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.036 ng
 RT: 26.474 min Scan# 3969
 Delta R.T. 0.025 min
 Lab File: BN025406.D
 Acq: 11 May 2023 18:19

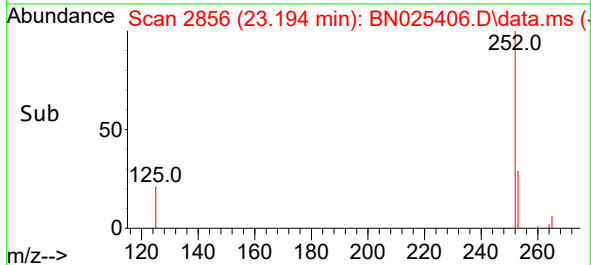
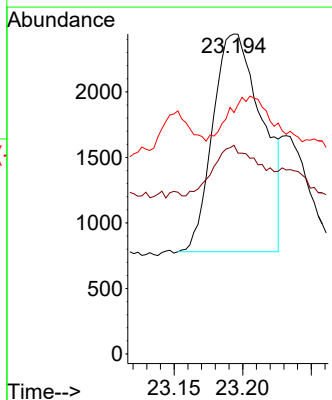
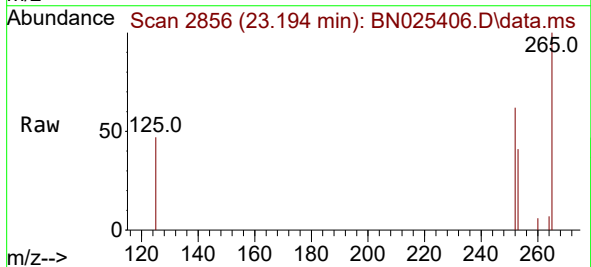
Instrument :
 BNA_N
 ClientSampleId :
 SB-04_10-12_20230509

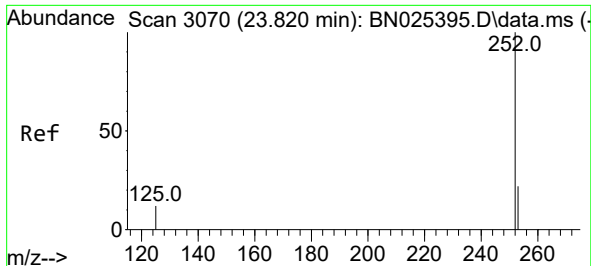
Tgt Ion:276 Resp: 2593
 Ion Ratio Lower Upper
 276 100
 138 21.9 22.7 34.1#
 277 26.7 20.2 30.4



#37
 Benzo(b)fluoranthene
 Concen: 0.064 ng
 RT: 23.194 min Scan# 2856
 Delta R.T. 0.008 min
 Lab File: BN025406.D
 Acq: 11 May 2023 18:19

Tgt Ion:252 Resp: 4159
 Ion Ratio Lower Upper
 252 100
 253 65.2 23.4 35.0#
 125 75.5 19.8 29.8#





#39

Benzo(a)pyrene

Concen: 0.048 ng

RT: 23.831 min Scan# 3074

Delta R.T. 0.011 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

Instrument :

BNA_N

ClientSampleId :

SB-04_10-12_20230509

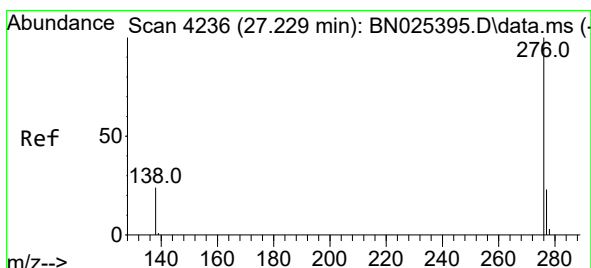
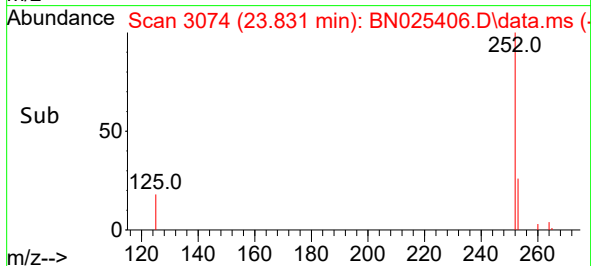
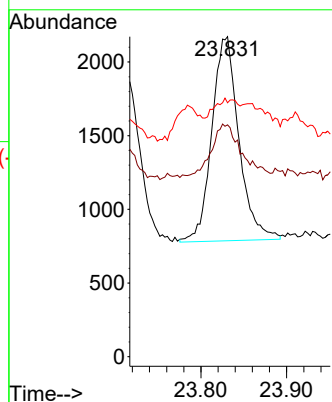
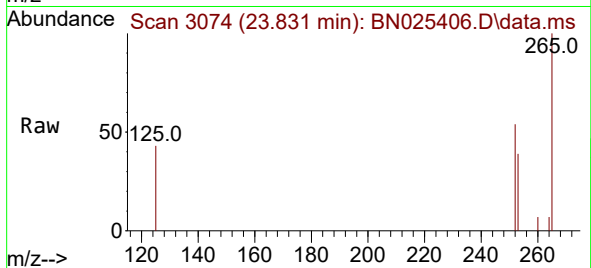
Tgt Ion:252 Resp: 3035

Ion Ratio Lower Upper

252 100

253 72.5 25.4 38.2#

125 79.4 23.5 35.3#



#41

Benzo(g,h,i)perylene

Concen: 0.043 ng

RT: 27.258 min Scan# 4246

Delta R.T. 0.028 min

Lab File: BN025406.D

Acq: 11 May 2023 18:19

Tgt Ion:276 Resp: 2646

Ion Ratio Lower Upper

276 100

277 50.8 23.5 35.3#

138 57.4 24.7 37.1#

