

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
 Data File : BN036855.D
 Acq On : 07 Apr 2025 16:06
 Operator : RC/JU
 Sample : Q1736-01 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GST1

Quant Time: Apr 07 16:29:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

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

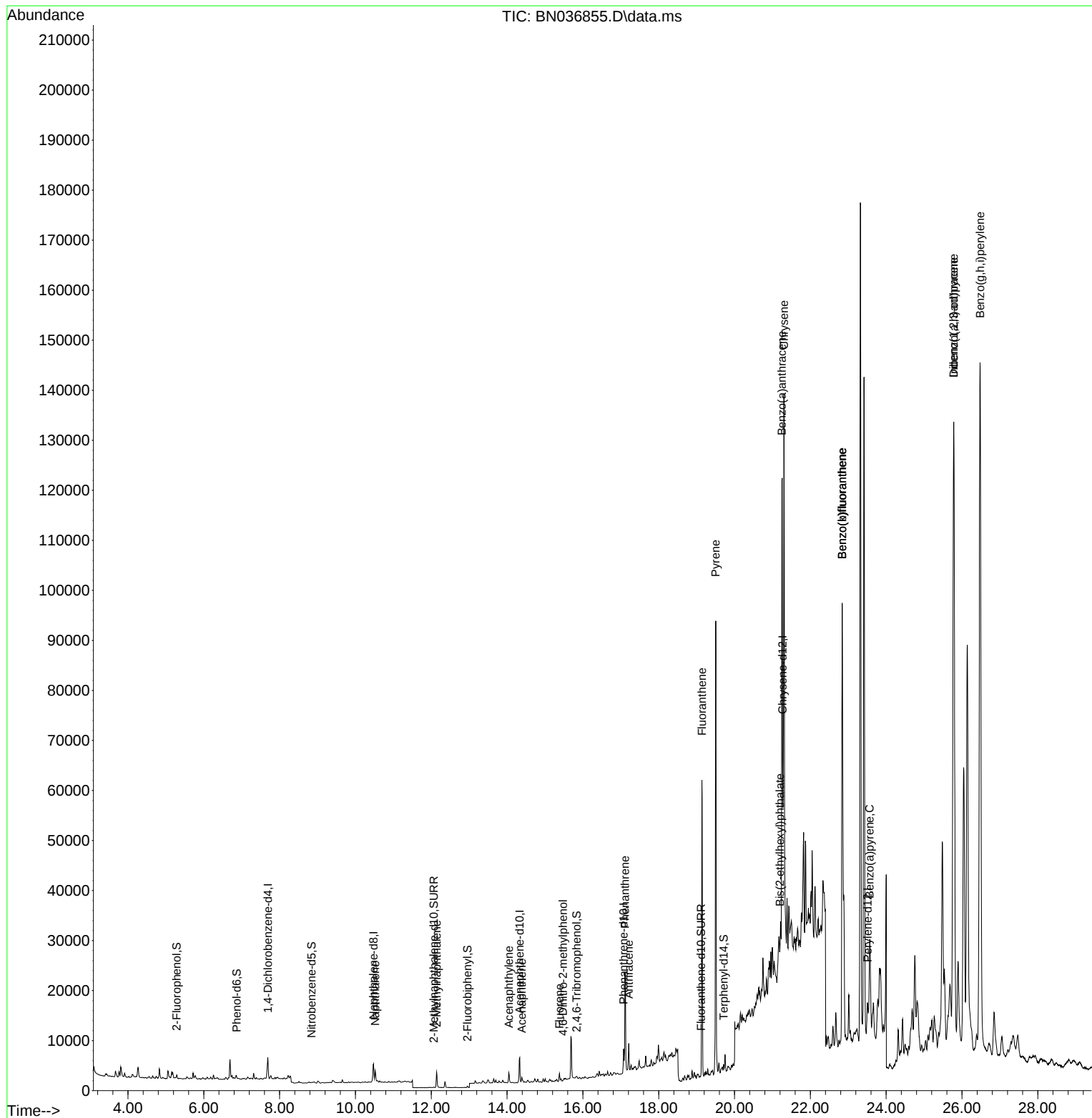
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	1939	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	5044	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	2978	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	6224	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	7413	0.400	ng	# 0.00
35) Perylene-d12	23.516	264	8861	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	120	0.027	ng	0.00
5) Phenol-d6	6.865	99	152	0.027	ng	0.00
8) Nitrobenzene-d5	8.843	82	142	0.026	ng	0.00
11) 2-Methylnaphthalene-d10	12.065	152	180	0.024	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	39	0.029	ng	0.00
15) 2-Fluorobiphenyl	12.953	172	355	0.020	ng	0.00
27) Fluoranthene-d10	19.113	212	502	0.031	ng	0.00
31) Terphenyl-d14	19.713	244	452	0.025	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.520	128	3104	0.209	ng	95
12) 2-Methylnaphthalene	12.141	142	2323	0.246	ng	98
16) Acenaphthylene	14.046	152	2115	0.150	ng	96
17) Acenaphthene	14.388	154	411	0.045	ng	93
18) Fluorene	15.382	166	918	0.074	ng	# 85
20) 4,6-Dinitro-2-methylph...	15.478	198	9	0.151	ng	# 1
25) Phenanthrene	17.111	178	22624	1.212	ng	99
26) Anthracene	17.211	178	5756	0.342	ng	98
28) Fluoranthene	19.141	202	51418	2.452	ng	99
30) Pyrene	19.504	202	78266	2.159	ng	# 96
32) Benzo(a)anthracene	21.250	228	90150	3.497	ng	95
33) Chrysene	21.304	228	100010	3.551	ng	97
34) Bis(2-ethylhexyl)phtha...	21.196	149	2141	0.117	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.782	276	128371	4.014	ng	# 92
37) Benzo(b)fluoranthene	22.841	252	132699	4.115	ng	# 89
38) Benzo(k)fluoranthene	22.841	252	132699	3.922	ng	# 88
39) Benzo(a)pyrene	23.563	252	16482	0.607	ng	95
40) Dibenzo(a,h)anthracene	25.782	278	124897	5.016	ng	95
41) Benzo(g,h,i)perylene	26.478	276	270825	9.508	ng	96

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

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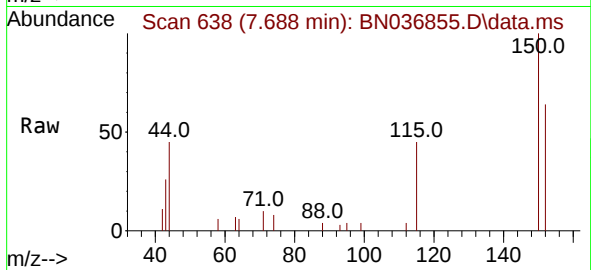
Quant Time: Apr 07 16:29:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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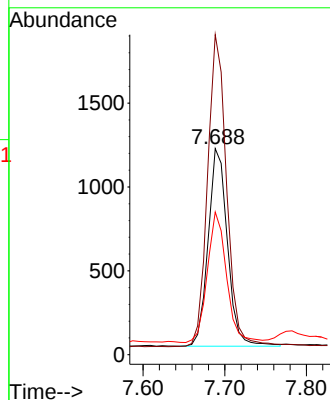
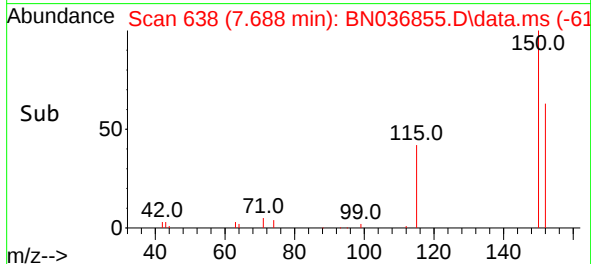


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Instrument :
BNA_N
ClientSampleId :
GST1

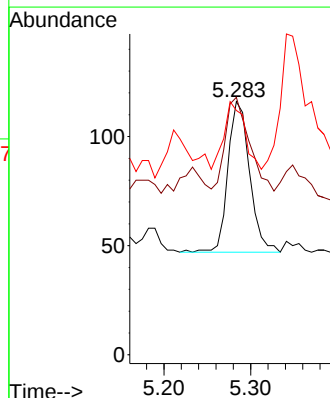
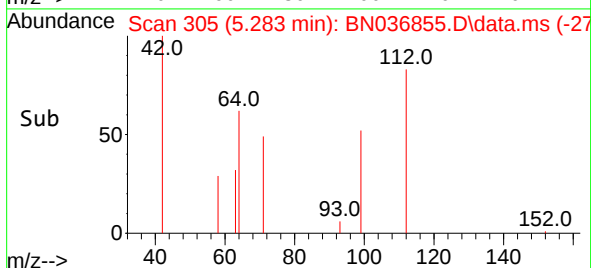
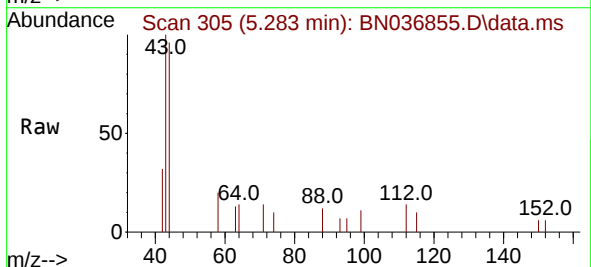


Tgt Ion:152 Resp: 1939
Ion Ratio Lower Upper
152 100
150 155.2 123.7 185.5
115 69.2 54.3 81.5



#4
2-Fluorophenol
Concen: 0.027 ng
RT: 5.283 min Scan# 305
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:112 Resp: 120
Ion Ratio Lower Upper
112 100
64 91.7 53.1 79.7#
63 41.7 31.8 47.8

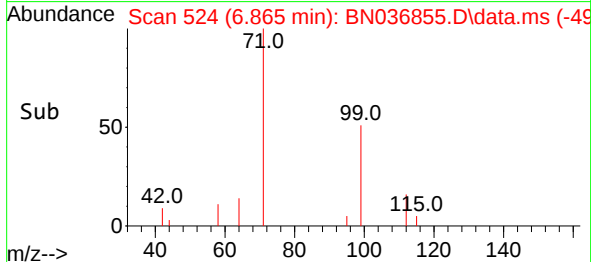
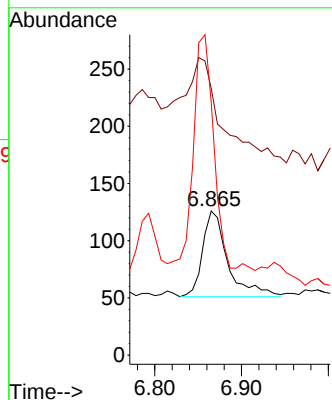
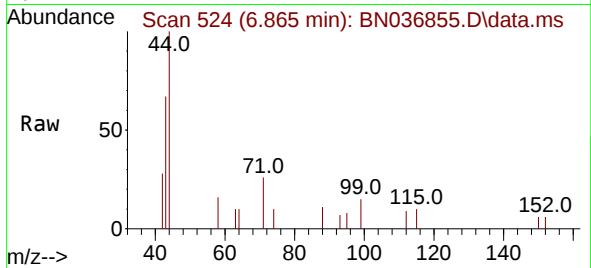




#5
Phenol-d6
Concen: 0.027 ng
RT: 6.865 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

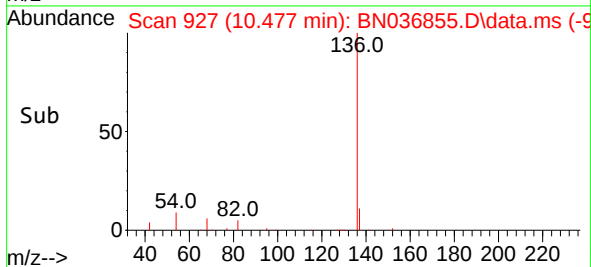
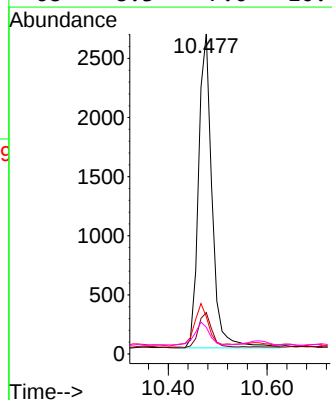
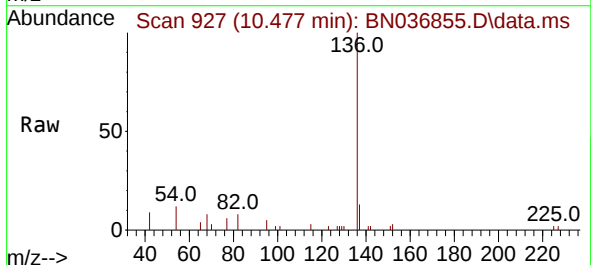
Instrument :
BNA_N
ClientSampleId :
GST1

Tgt Ion: 99 Resp: 152
Ion Ratio Lower Upper
99 100
42 162.5 26.5 39.7#
71 217.1 34.1 51.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 927
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion: 136 Resp: 5044
Ion Ratio Lower Upper
136 100
137 13.0 10.3 15.5
54 11.7 11.5 17.3
68 8.3 7.0 10.4

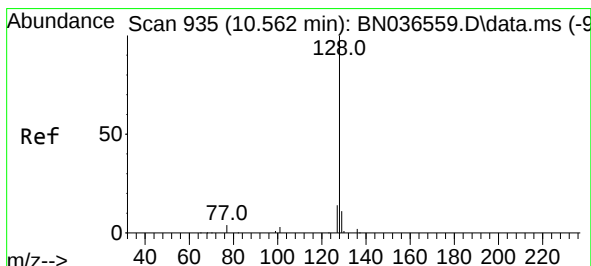
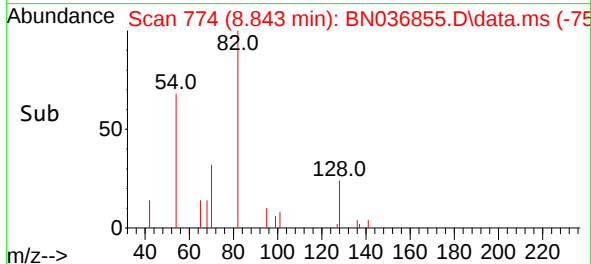
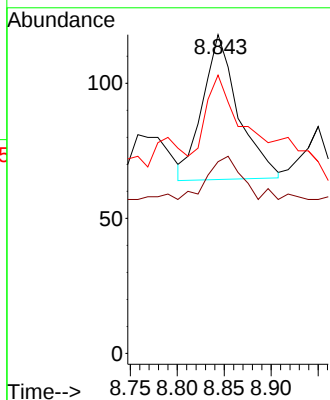
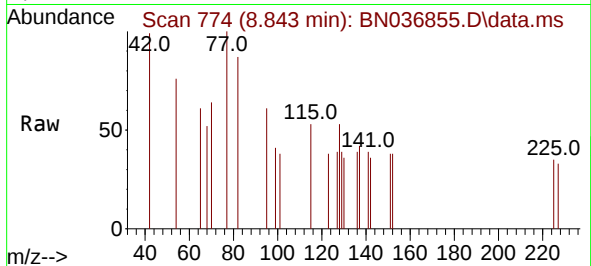




#8
Nitrobenzene-d5
Concen: 0.026 ng
RT: 8.843 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

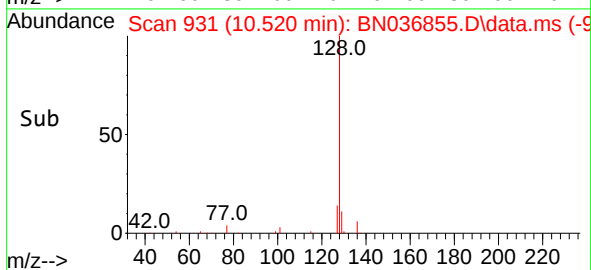
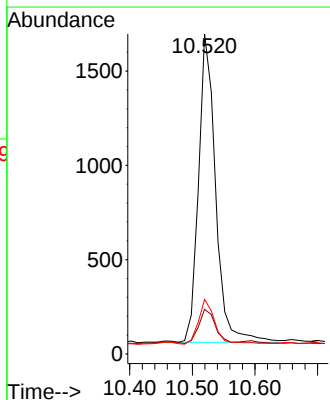
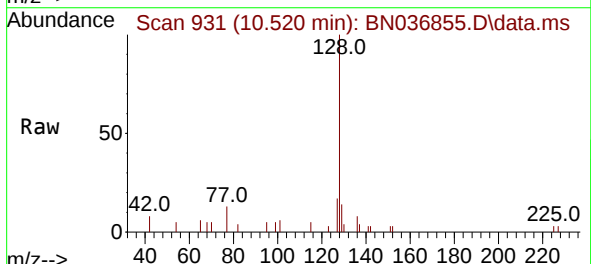
Instrument :
BNA_N
ClientSampleId :
GST1

Tgt Ion: 82 Resp: 142
Ion Ratio Lower Upper
82 100
128 60.2 30.6 45.8#
54 87.3 52.2 78.4#



#9
Naphthalene
Concen: 0.209 ng
RT: 10.520 min Scan# 931
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion: 128 Resp: 3104
Ion Ratio Lower Upper
128 100
129 14.0 9.8 14.6
127 17.0 11.8 17.8

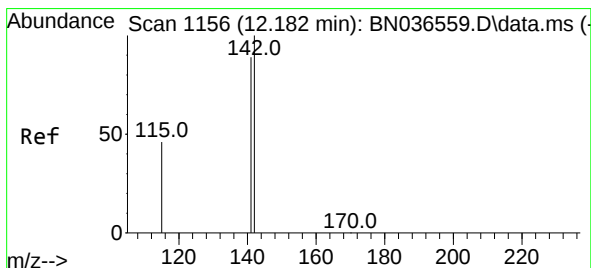
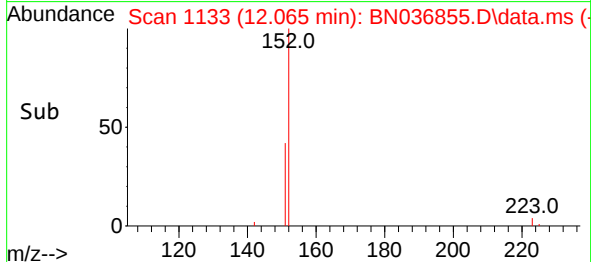
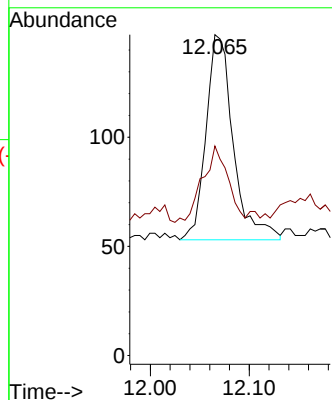
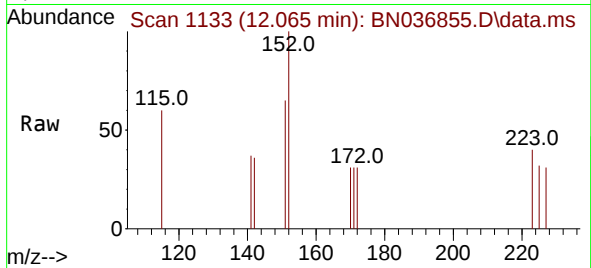




#11
2-Methylnaphthalene-d10
Concen: 0.024 ng
RT: 12.065 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

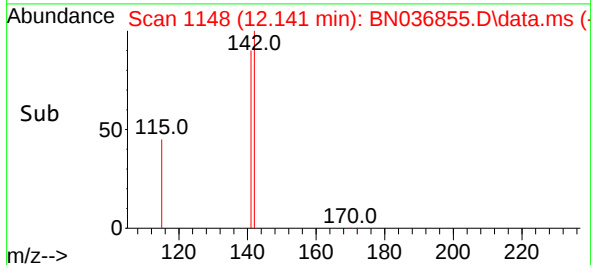
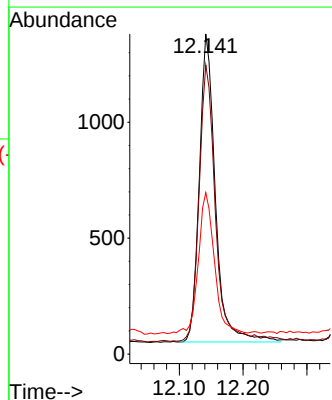
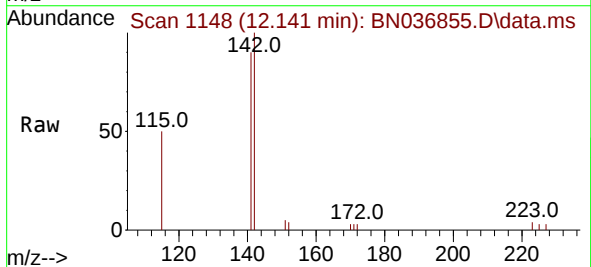
Instrument :
BNA_N
ClientSampleId :
GST1

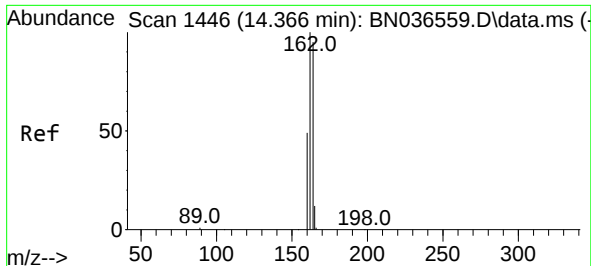
Tgt Ion:152 Resp: 180
Ion Ratio Lower Upper
152 100
151 35.0 17.0 25.6#



#12
2-Methylnaphthalene
Concen: 0.246 ng
RT: 12.141 min Scan# 1148
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:142 Resp: 2323
Ion Ratio Lower Upper
142 100
141 90.3 71.7 107.5
115 50.4 38.3 57.5

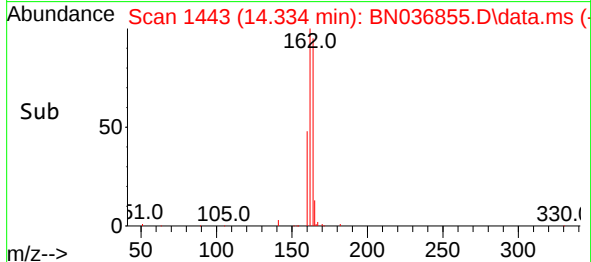
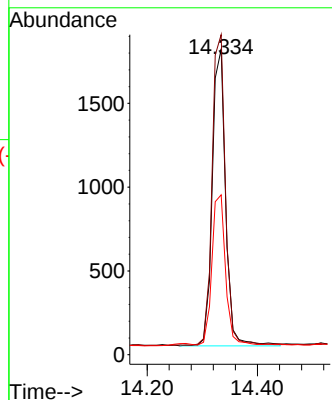
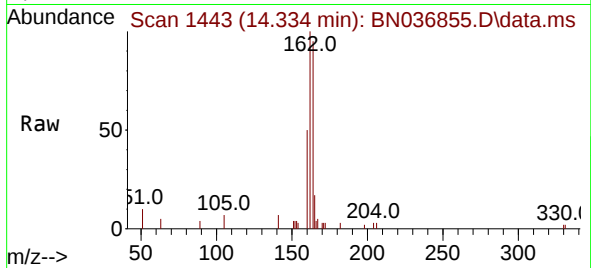




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

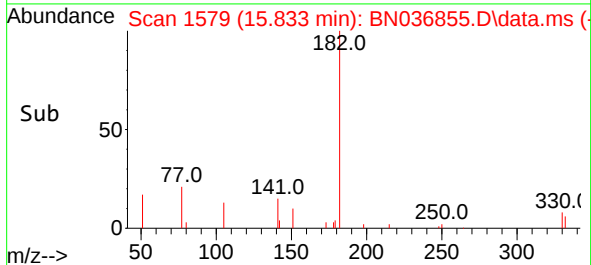
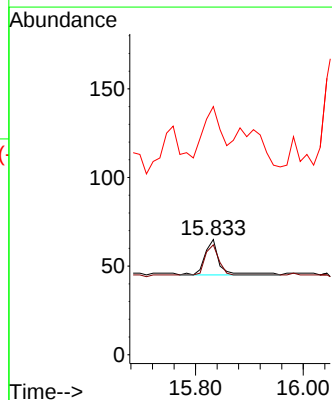
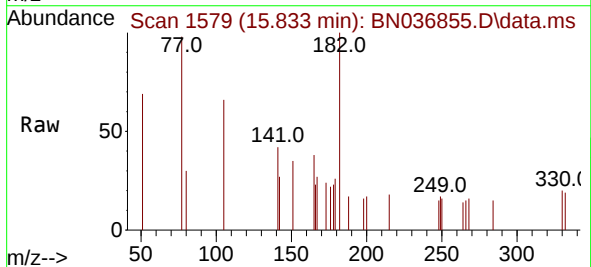
Instrument :
BNA_N
ClientSampleId :
GST1

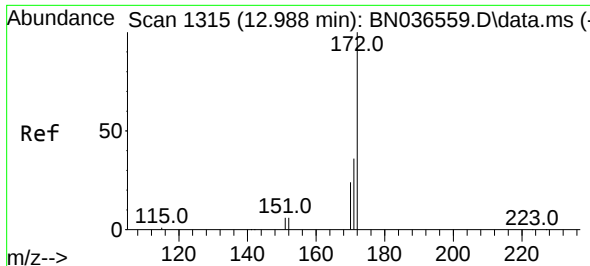
Tgt Ion:164 Resp: 2978
Ion Ratio Lower Upper
164 100
162 104.8 84.2 126.2
160 52.3 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.029 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:330 Resp: 39
Ion Ratio Lower Upper
330 100
332 82.1 75.2 112.8
141 223.1 43.4 65.2#

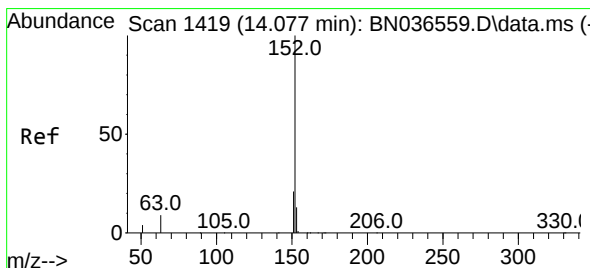
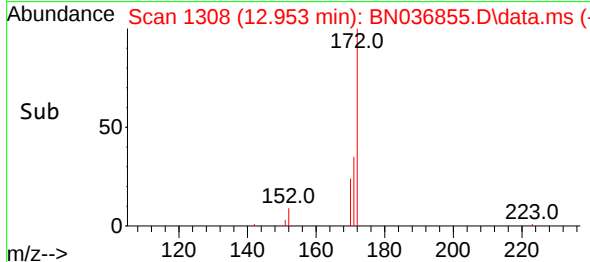
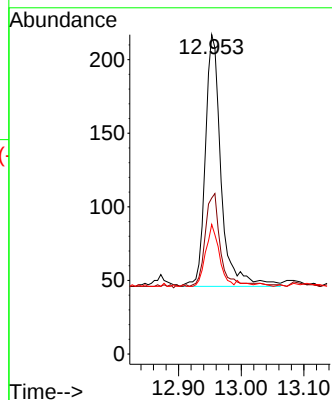
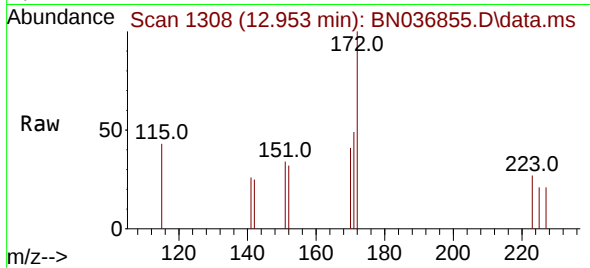




#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 12.953 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

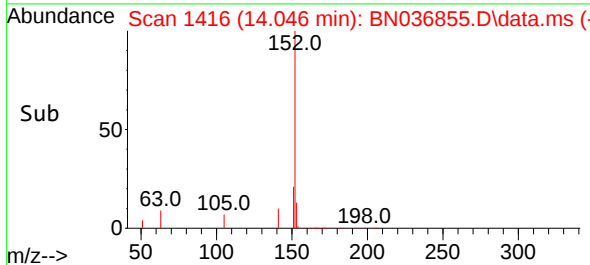
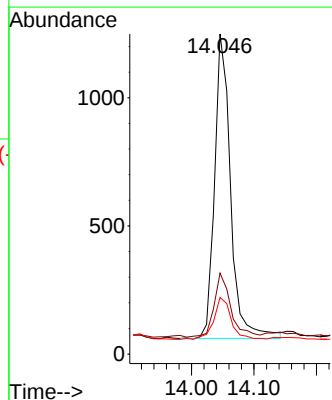
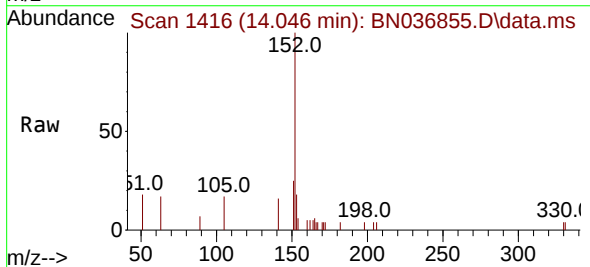
Instrument :
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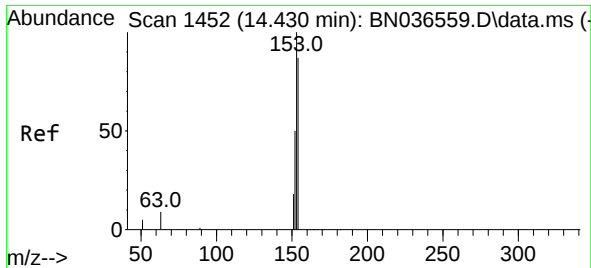
Tgt Ion:172 Resp: 355
Ion Ratio Lower Upper
172 100
171 48.8 29.5 44.3#
170 40.6 20.2 30.4#



#16
Acenaphthylene
Concen: 0.150 ng
RT: 14.046 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

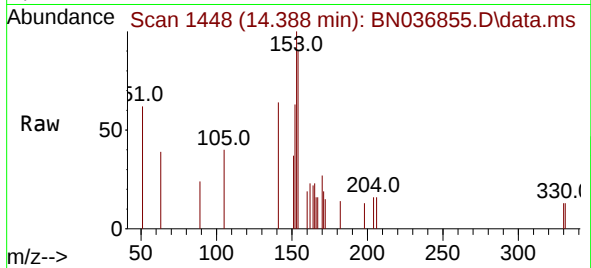
Tgt Ion:152 Resp: 2115
Ion Ratio Lower Upper
152 100
151 21.8 16.2 24.4
153 15.1 10.6 15.8



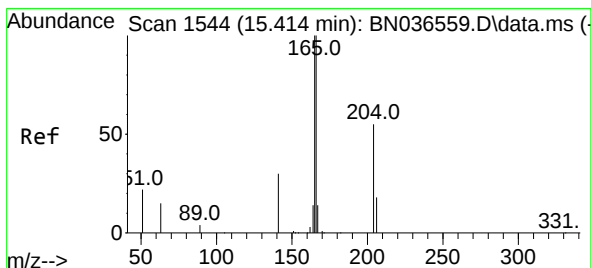
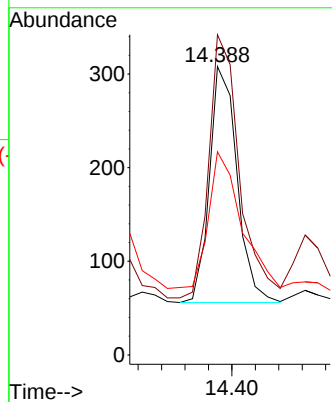
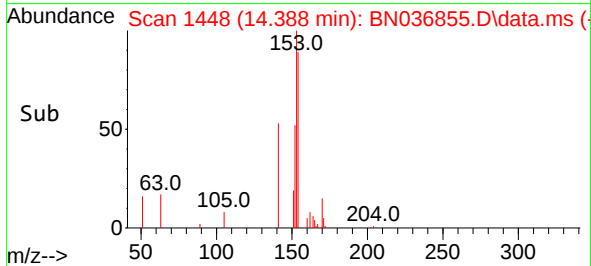


#17
Acenaphthene
Concen: 0.045 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

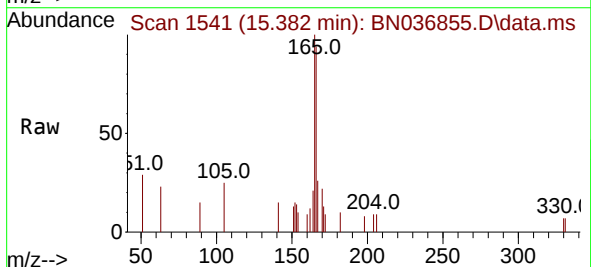
Instrument :
BNA_N
ClientSampleId :
GST1



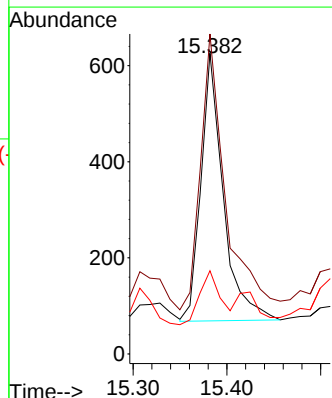
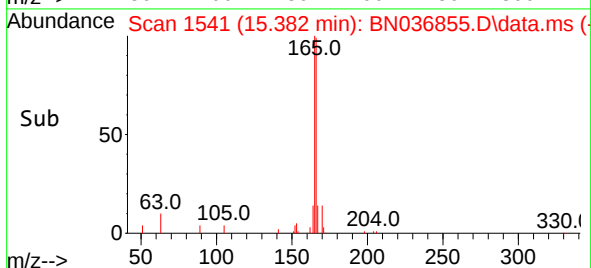
Tgt Ion:154 Resp: 411
Ion Ratio Lower Upper
154 100
153 123.4 94.1 141.1
152 69.3 49.8 74.6

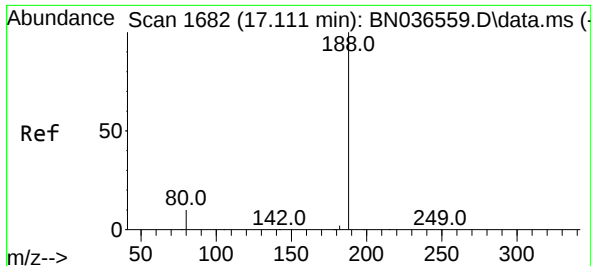


#18
Fluorene
Concen: 0.074 ng
RT: 15.382 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06



Tgt Ion:166 Resp: 918
Ion Ratio Lower Upper
166 100
165 114.5 79.8 119.8
167 19.1 10.6 15.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.074 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

Instrument :

BNA_N

ClientSampleId :

GST1

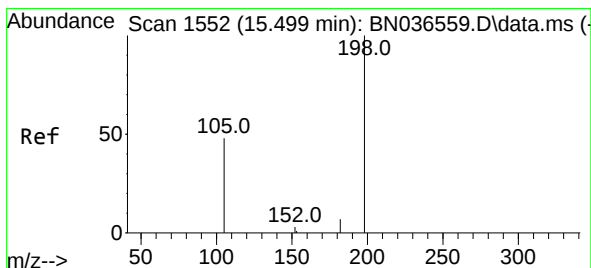
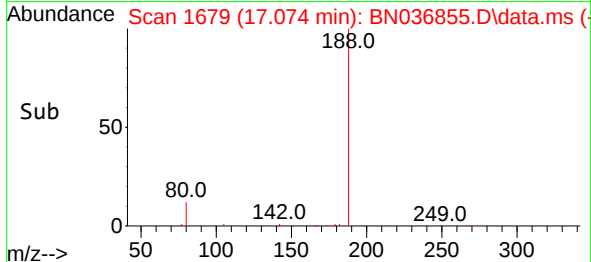
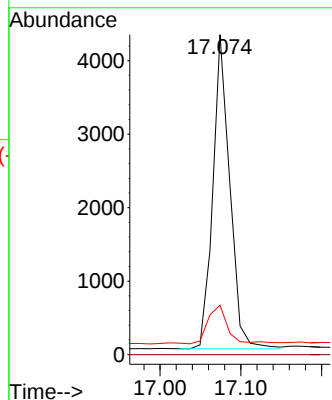
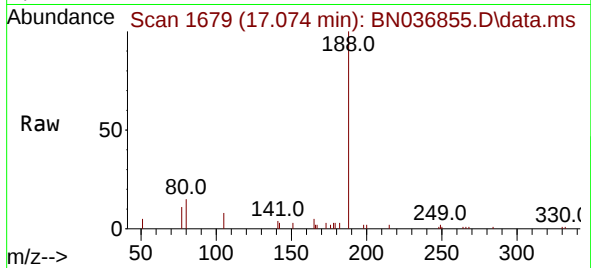
Tgt Ion:188 Resp: 6224

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.5 8.8 13.2#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.151 ng

RT: 15.478 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

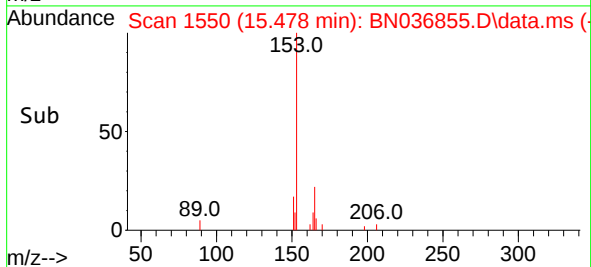
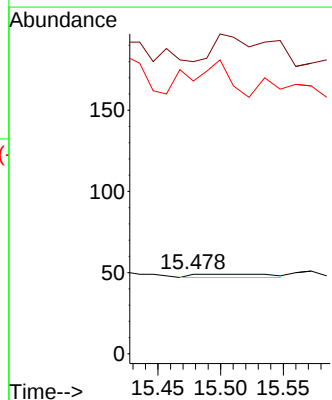
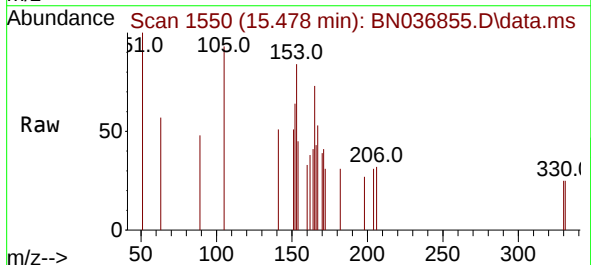
Tgt Ion:198 Resp: 9

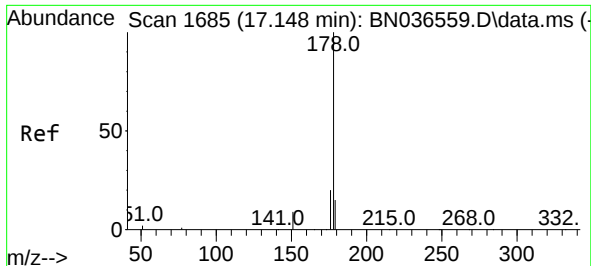
Ion Ratio Lower Upper

198 100

51 367.3 107.9 161.9#

105 342.9 56.2 84.2#

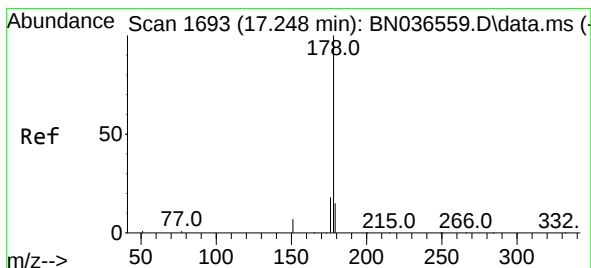
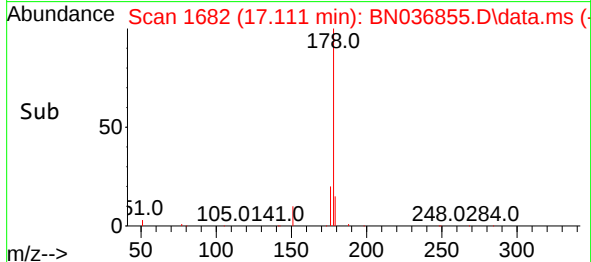
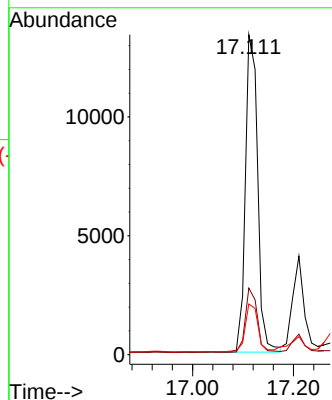
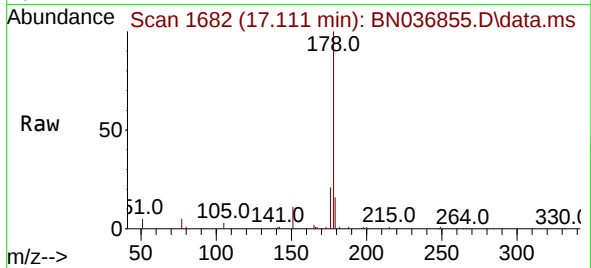




#25
Phenanthrene
Concen: 1.212 ng
RT: 17.111 min Scan# 1682
Delta R.T. -0.012 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

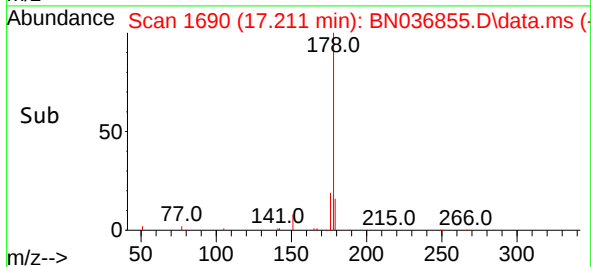
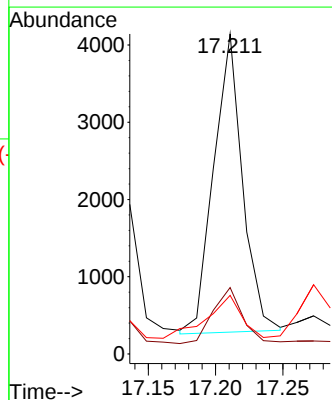
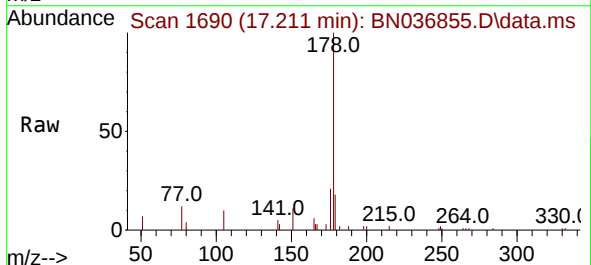
Instrument :
BNA_N
ClientSampleId :
GST1

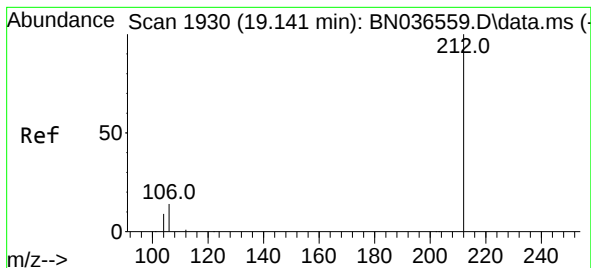
Tgt Ion:178 Resp: 22624
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.6 12.2 18.4



#26
Anthracene
Concen: 0.342 ng
RT: 17.211 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:178 Resp: 5756
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 17.8 12.6 18.8





#27

Fluoranthene-d10

Concen: 0.031 ng

RT: 19.113 min Scan# 1913

Delta R.T. 0.000 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

Instrument :

BNA_N

ClientSampleId :

GST1

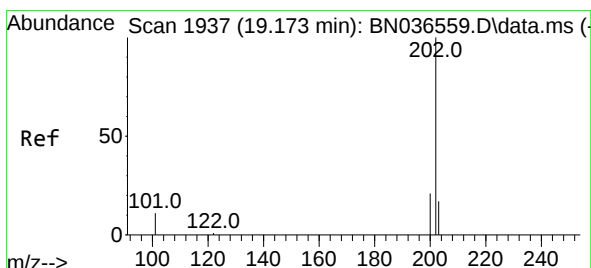
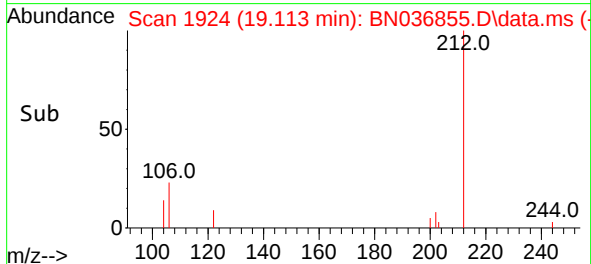
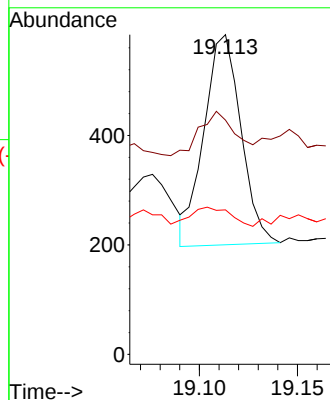
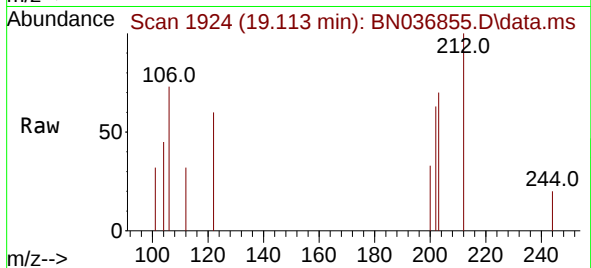
Tgt Ion:212 Resp: 502

Ion Ratio Lower Upper

212 100

106 20.1 11.8 17.6#

104 10.8 7.3 10.9



#28

Fluoranthene

Concen: 2.452 ng

RT: 19.141 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

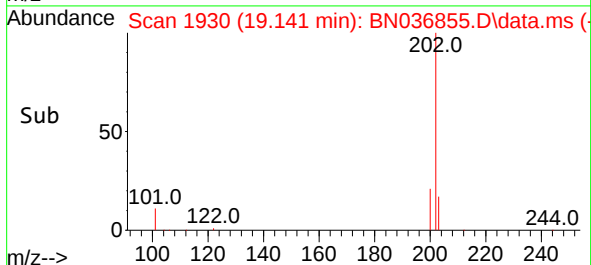
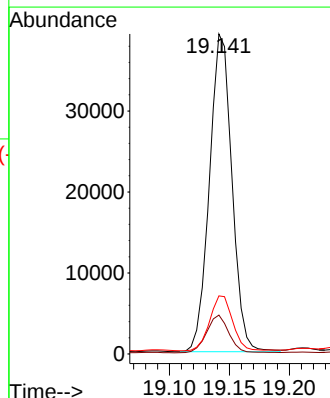
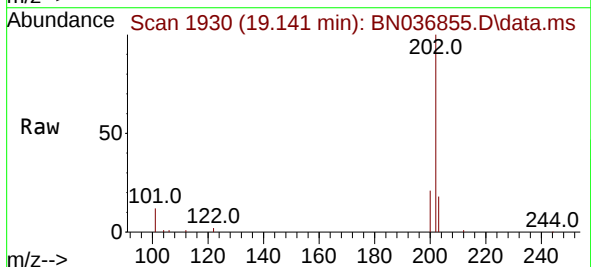
Tgt Ion:202 Resp: 51418

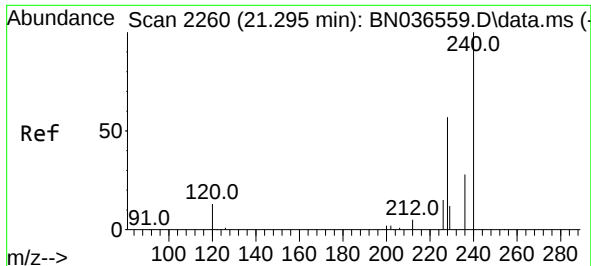
Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.0

203 17.6 13.5 20.3

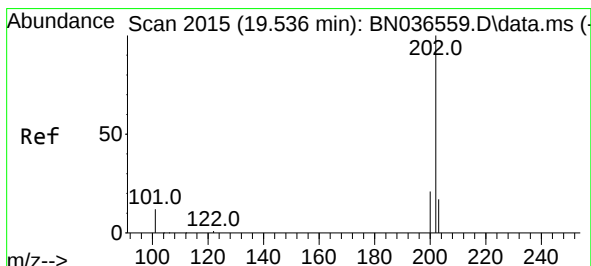
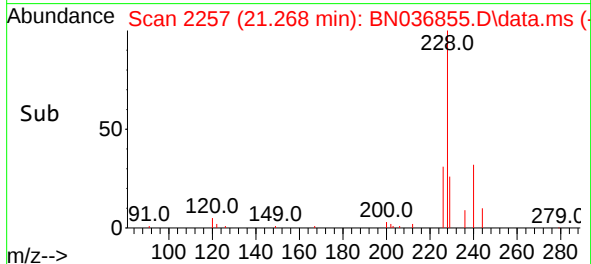
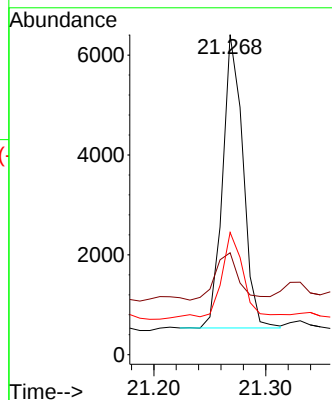
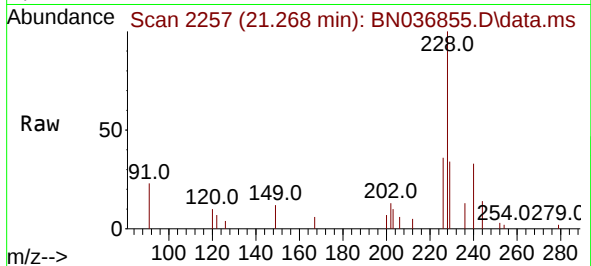




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

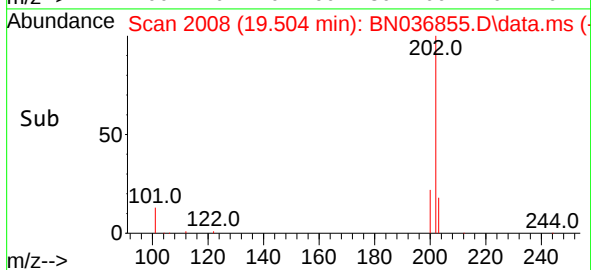
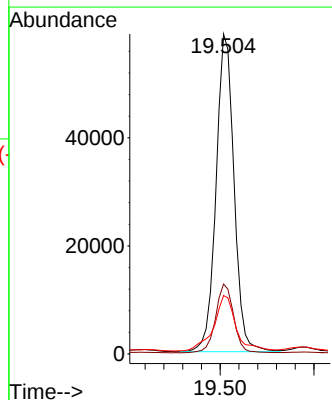
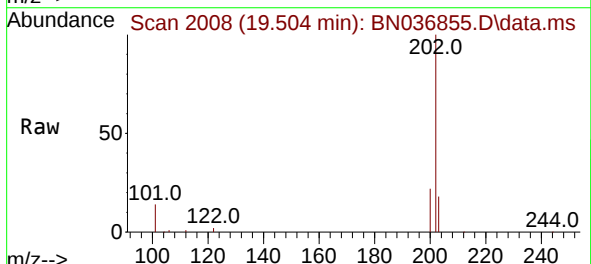
Instrument :
BNA_N
ClientSampleId :
GST1

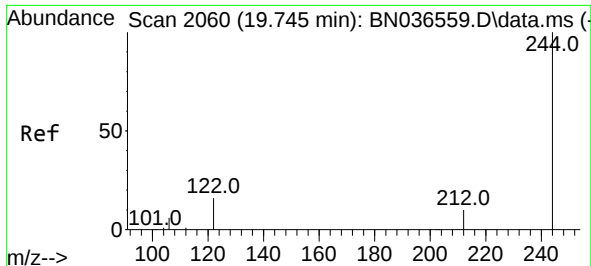
Tgt Ion:240 Resp: 7413
Ion Ratio Lower Upper
240 100
120 31.8 14.6 22.0#
236 38.2 24.1 36.1#



#30
Pyrene
Concen: 2.159 ng
RT: 19.504 min Scan# 2008
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:202 Resp: 78266
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 21.5 14.1 21.1#

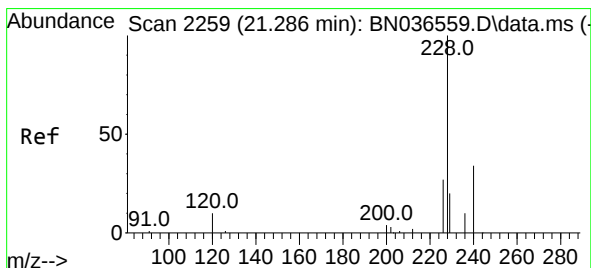
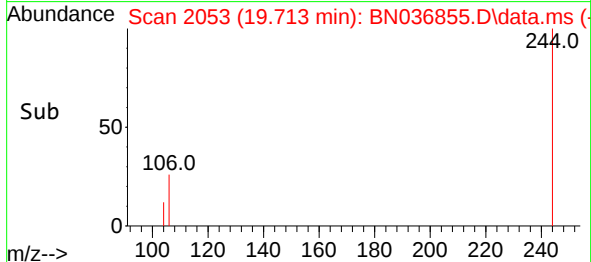
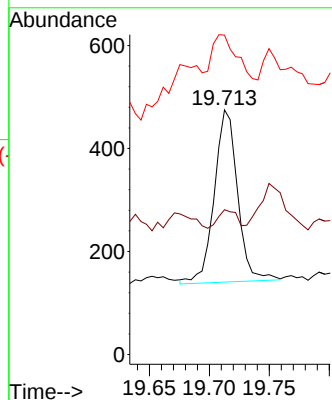
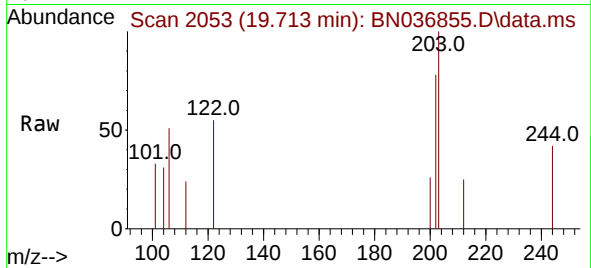




#31
 Terphenyl-d14
 Concen: 0.025 ng
 RT: 19.713 min Scan# 2060
 Delta R.T. -0.005 min
 Lab File: BN036855.D
 Acq: 07 Apr 2025 16:06

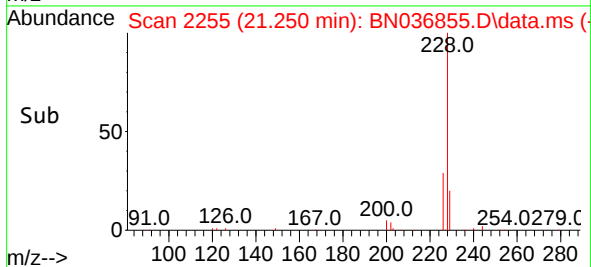
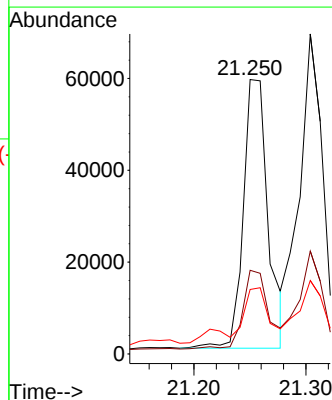
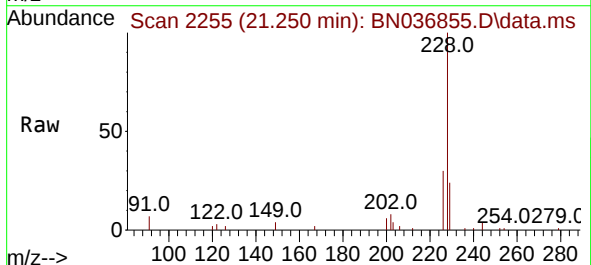
Instrument :
 BNA_N
 ClientSampleId :
 GST1

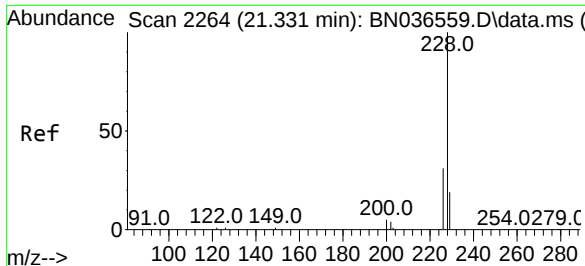
Tgt Ion:244 Resp: 452
 Ion Ratio Lower Upper
 244 100
 212 59.2 9.6 14.4#
 122 130.5 13.9 20.9#



#32
 Benzo(a)anthracene
 Concen: 3.497 ng
 RT: 21.250 min Scan# 2255
 Delta R.T. -0.009 min
 Lab File: BN036855.D
 Acq: 07 Apr 2025 16:06

Tgt Ion:228 Resp: 90150
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.5 33.7
 229 23.5 16.6 25.0





#33

Chrysene

Concen: 3.551 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

Instrument :

BNA_N

ClientSampleId :

GST1

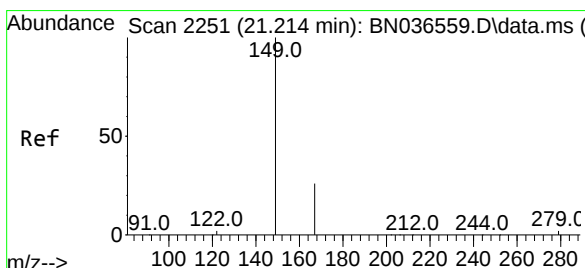
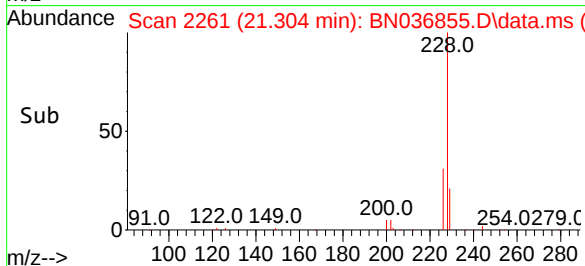
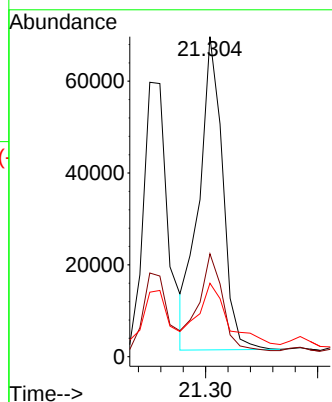
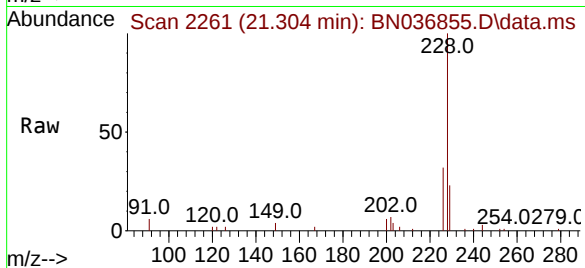
Tgt Ion:228 Resp: 100010

Ion Ratio Lower Upper

228 100

226 32.2 25.3 37.9

229 23.0 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.117 ng

RT: 21.196 min Scan# 2249

Delta R.T. 0.009 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

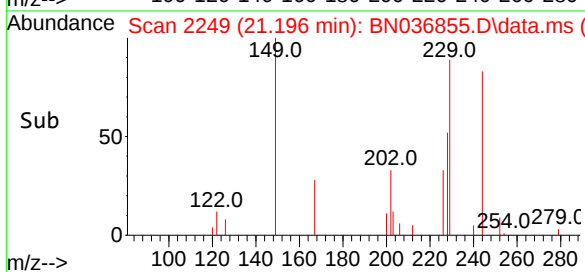
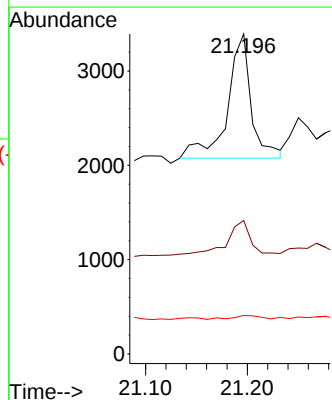
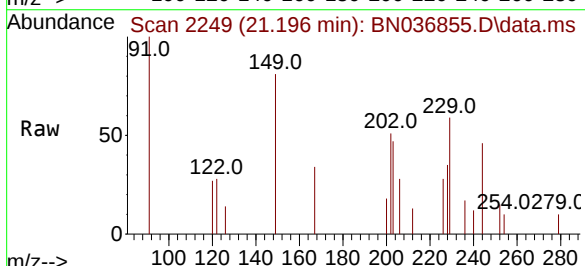
Tgt Ion:149 Resp: 2141

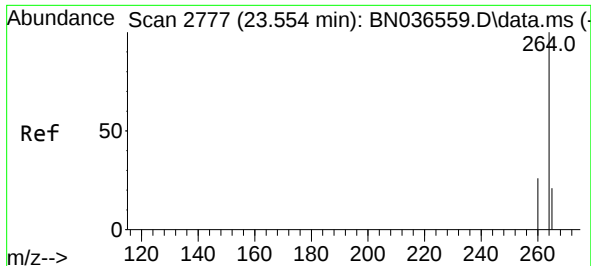
Ion Ratio Lower Upper

149 100

167 24.3 20.7 31.1

279 3.6 3.6 5.4#

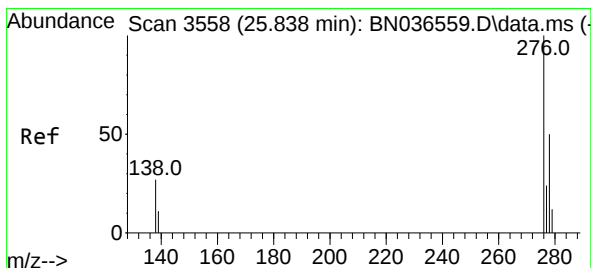
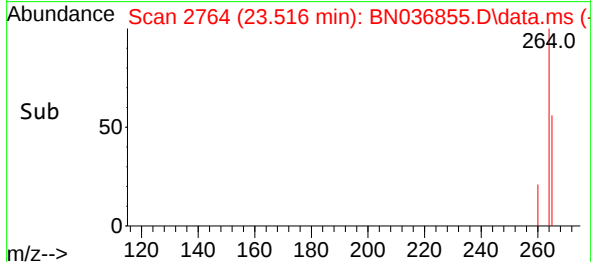
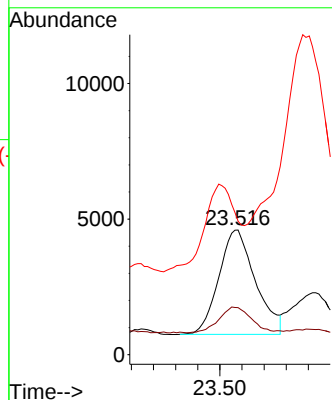
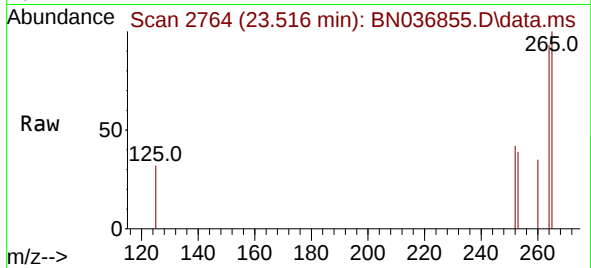




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.516 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BN036855.D
 Acq: 07 Apr 2025 16:06

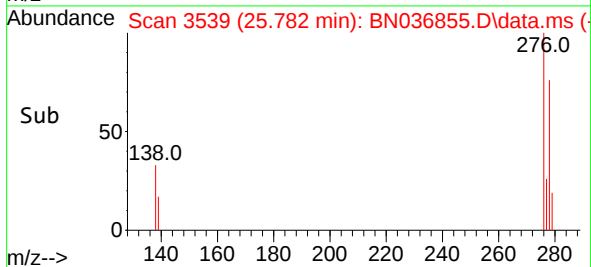
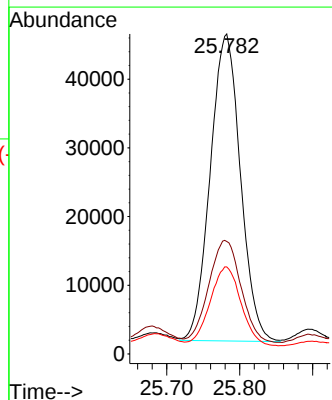
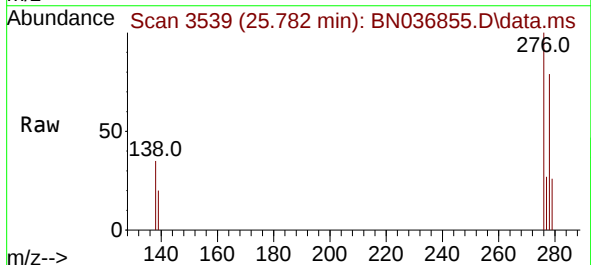
Instrument :
 BNA_N
 ClientSampleId :
 GST1

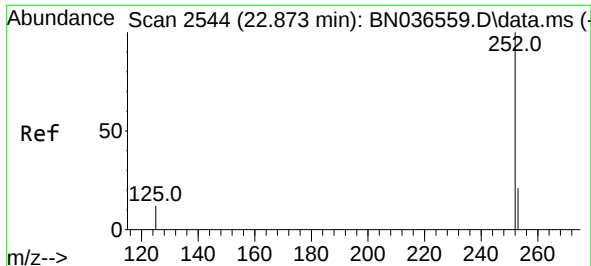
Tgt Ion:264 Resp: 8861
 Ion Ratio Lower Upper
 264 100
 260 37.7 22.6 33.8#
 265 107.2 88.1 132.1



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 4.014 ng
 RT: 25.782 min Scan# 3539
 Delta R.T. 0.012 min
 Lab File: BN036855.D
 Acq: 07 Apr 2025 16:06

Tgt Ion:276 Resp: 128371
 Ion Ratio Lower Upper
 276 100
 138 36.4 23.4 35.2#
 277 26.4 20.0 30.0

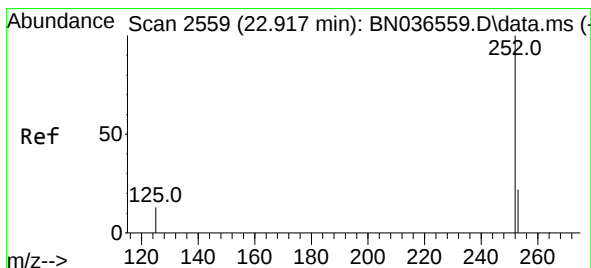
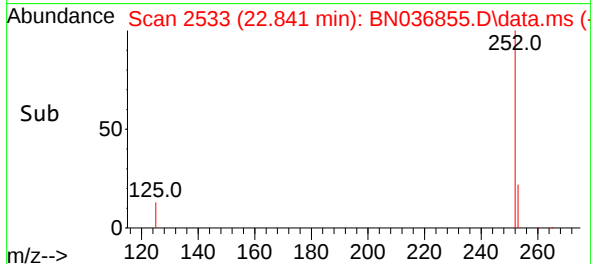
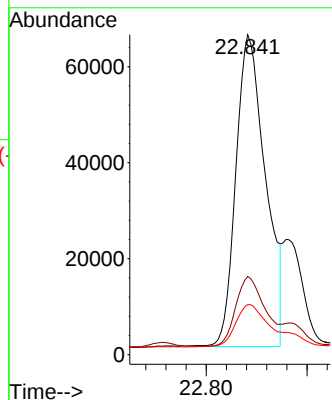
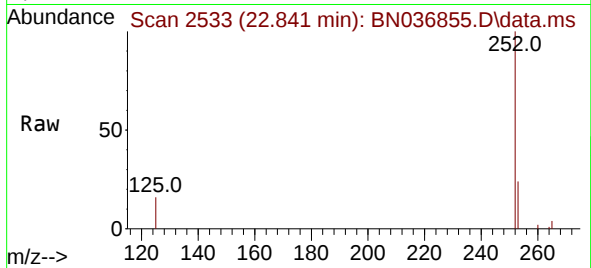




#37
Benzo(b)fluoranthene
Concen: 4.115 ng
RT: 22.841 min Scan# 2533
Delta R.T. 0.003 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

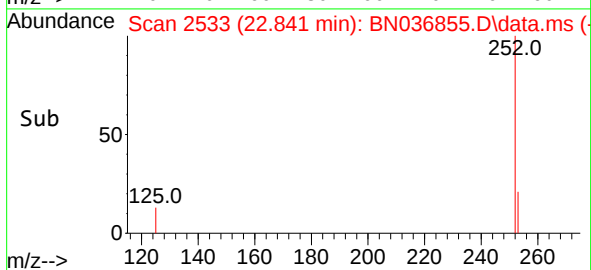
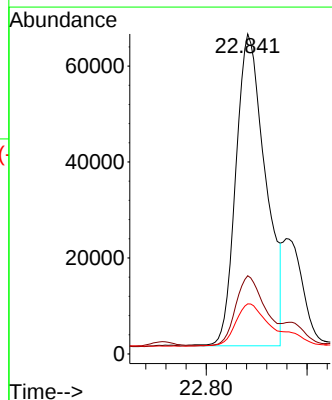
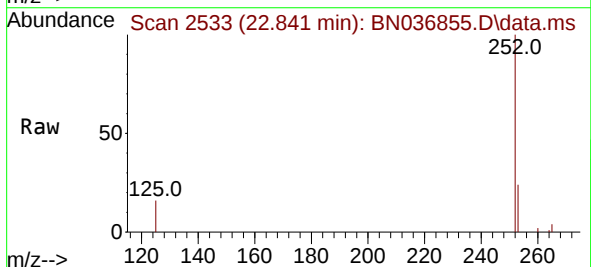
Instrument :
BNA_N
ClientSampleId :
GST1

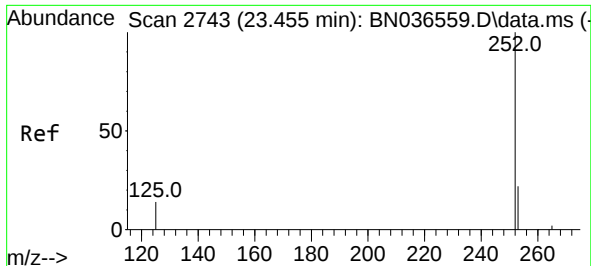
Tgt Ion:252 Resp: 132699
Ion Ratio Lower Upper
252 100
253 24.5 23.9 35.9
125 15.6 17.4 26.2#



#38
Benzo(k)fluoranthene
Concen: 3.922 ng
RT: 22.841 min Scan# 2533
Delta R.T. -0.038 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:252 Resp: 132699
Ion Ratio Lower Upper
252 100
253 24.5 24.6 36.8#
125 15.6 17.8 26.8#





#39

Benzo(a)pyrene

Concen: 0.607 ng

RT: 23.563 min Scan# 21

Delta R.T. 0.152 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

Instrument :

BNA_N

ClientSampleId :

GST1

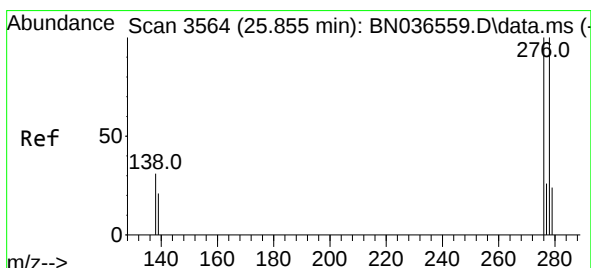
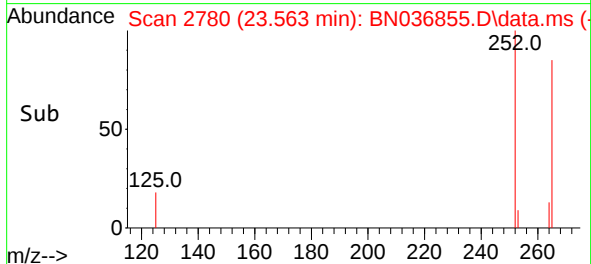
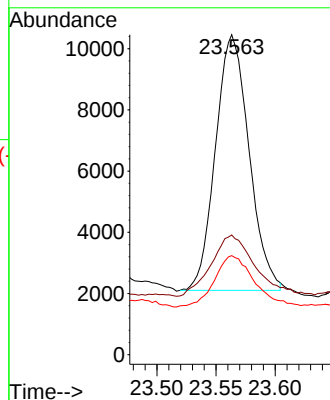
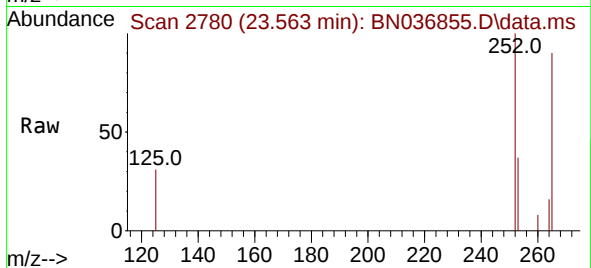
Tgt Ion:252 Resp: 16482

Ion Ratio Lower Upper

252 100

253 37.4 27.8 41.8

125 31.0 22.7 34.1



#40

Dibenzo(a,h)anthracene

Concen: 5.016 ng

RT: 25.782 min Scan# 3539

Delta R.T. -0.009 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

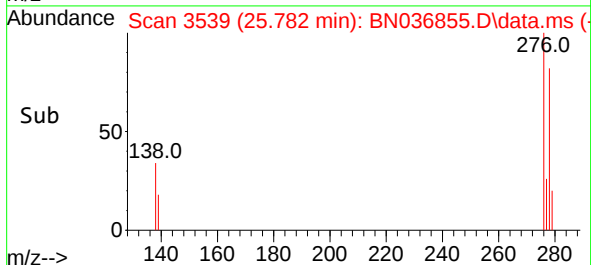
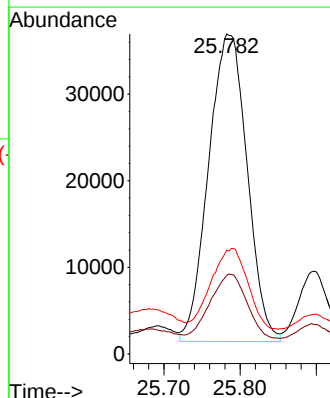
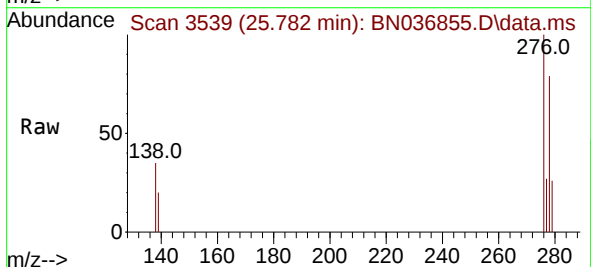
Tgt Ion:278 Resp: 124897

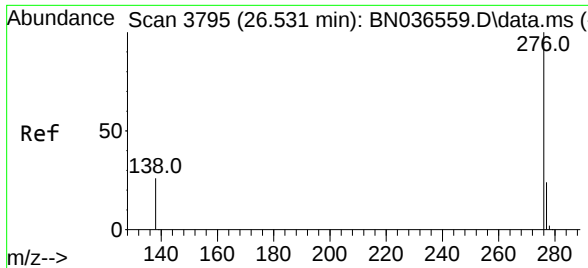
Ion Ratio Lower Upper

278 100

139 24.6 20.8 31.2

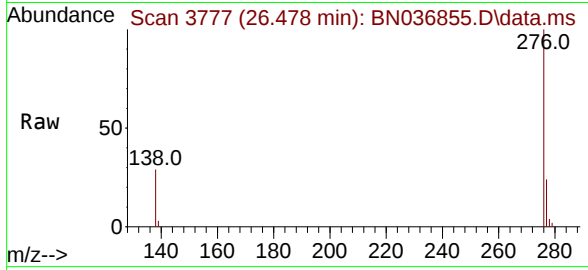
279 32.4 28.8 43.2





#41
 Benzo(g,h,i)perylene
 Concen: 9.508 ng
 RT: 26.478 min Scan# 31
 Delta R.T. 0.021 min
 Lab File: BN036855.D
 Acq: 07 Apr 2025 16:06

Instrument :
 BNA_N
 ClientSampleId :
 GST1



Tgt Ion:276 Resp: 270825
 Ion Ratio Lower Upper
 276 100
 277 24.4 22.2 33.4
 138 28.8 24.1 36.1

