

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)

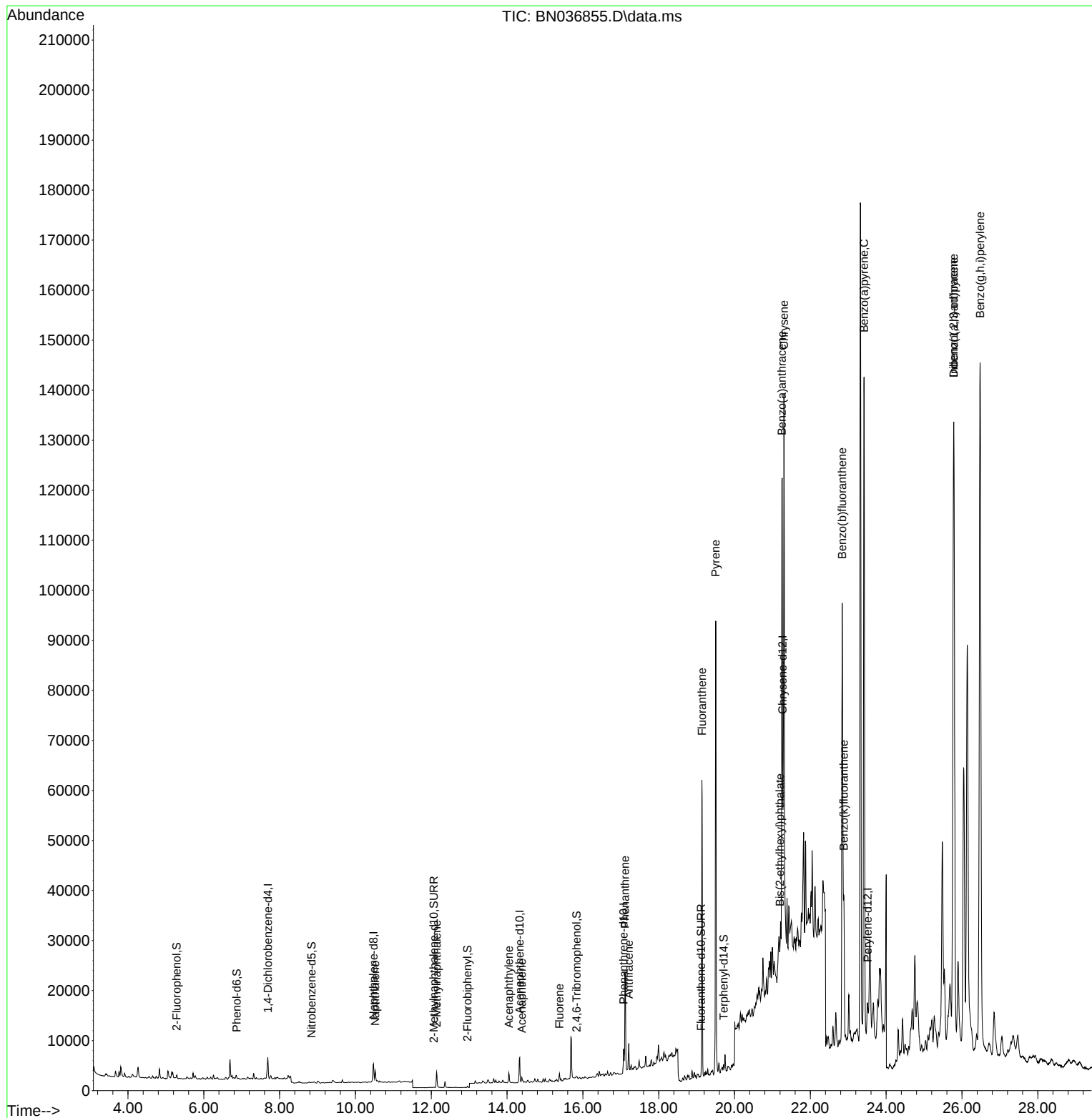
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	1939	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	5044	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	2978	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	6224	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	7413	0.400	ng	# 0.00
35) Perylene-d12	23.516	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
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	22.879	252	32592m	0.963	ng	
39) Benzo(a)pyrene	23.417	252	177833m	6.549	ng	
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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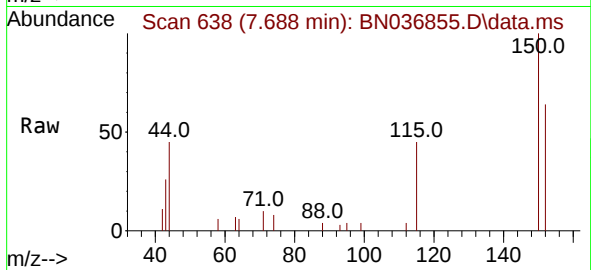
Quant Time: Apr 07 16:29:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
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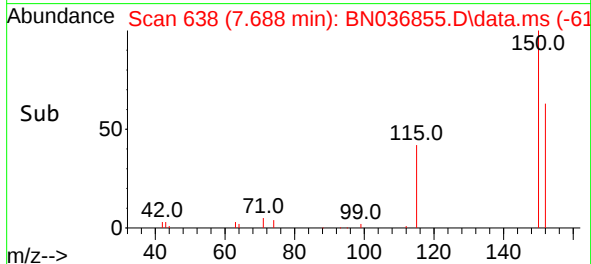
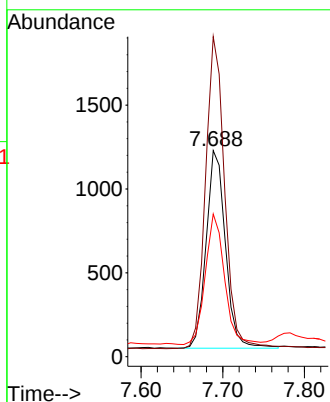


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Instrument :
BNA_N
ClientSampleId :
GST1

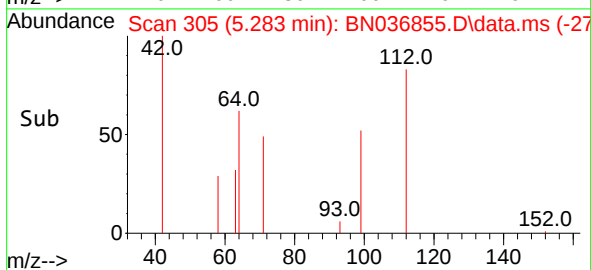
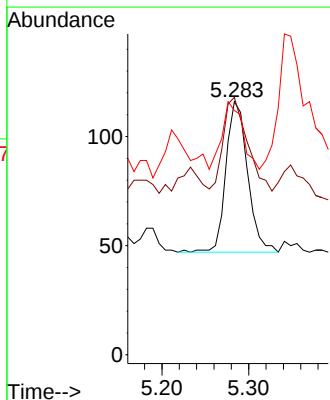
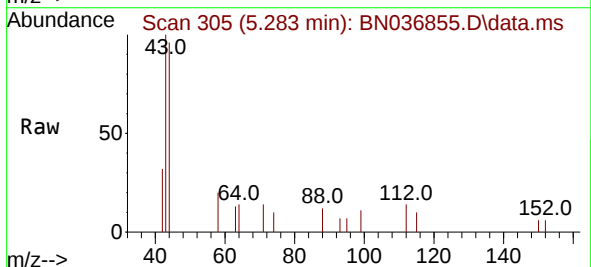


Tgt Ion:152 Resp: 1939
Ion Ratio Lower Upper
152 100
150 155.2 123.7 185.5
115 69.2 54.3 81.5



#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

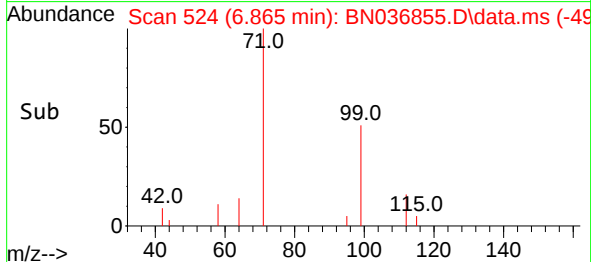
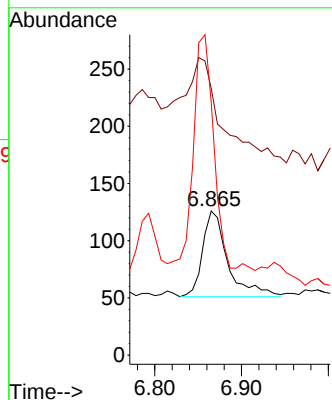
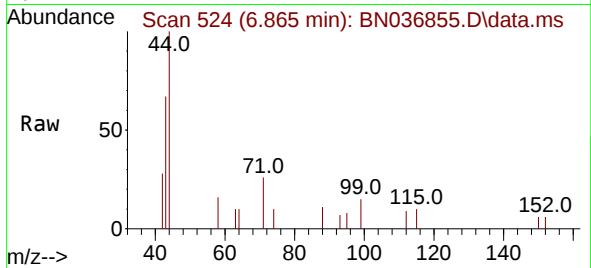




#5
Phenol-d6
Concen: 0.027 ng
RT: 6.865 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

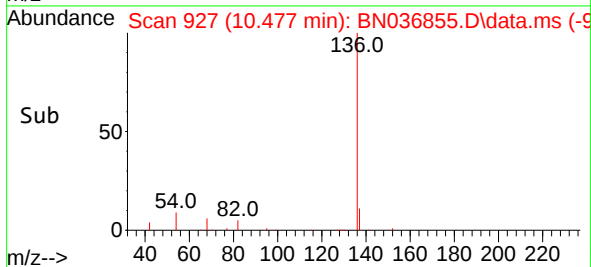
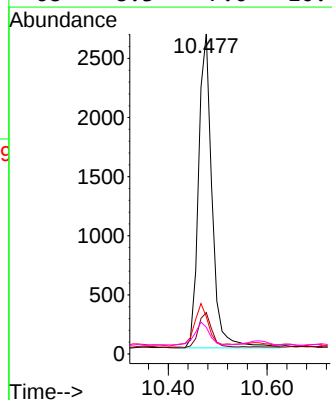
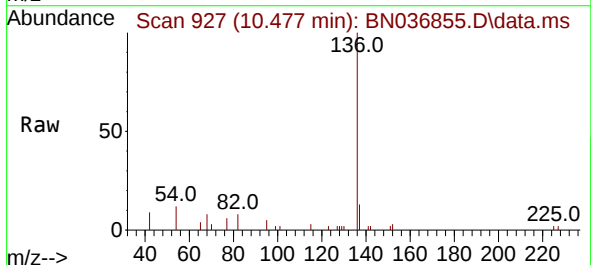
Instrument :
BNA_N
ClientSampleId :
GST1

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

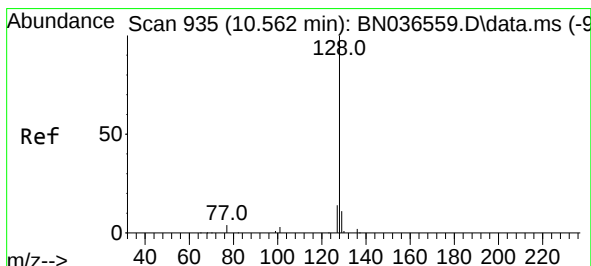
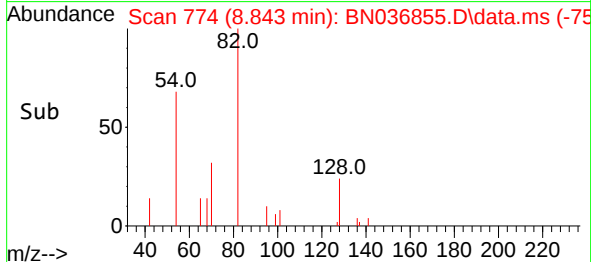
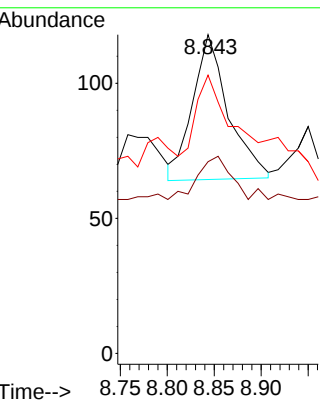
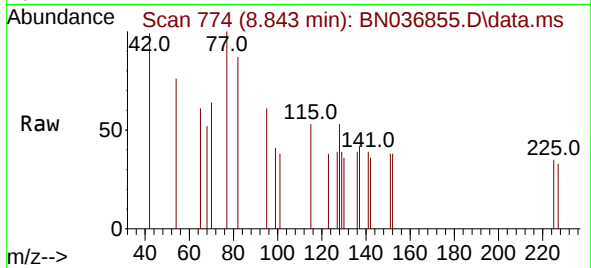




#8
Nitrobenzene-d5
Concen: 0.026 ng
RT: 8.843 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

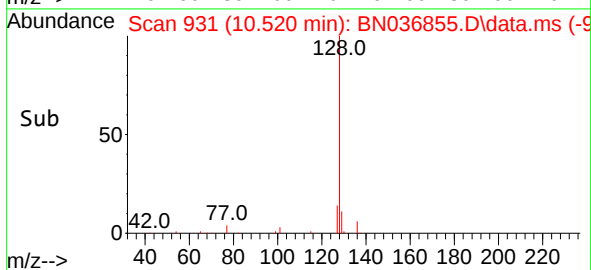
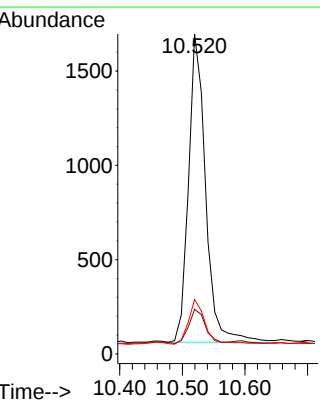
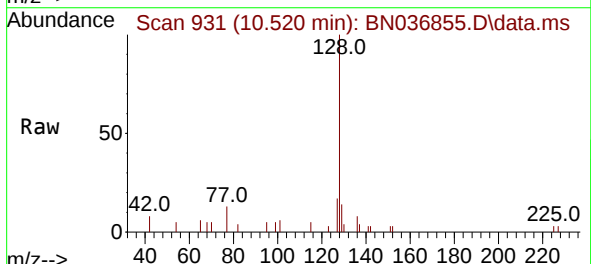
Instrument :
BNA_N
ClientSampleId :
GST1

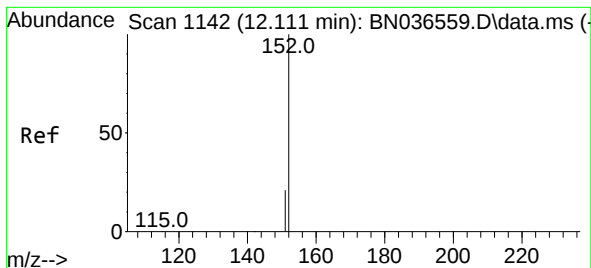
Tgt Ion: 82 Resp: 142
Ion Ratio Lower Upper
82 100
128 60.2 30.6 45.8#
54 87.3 52.2 78.4#



#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

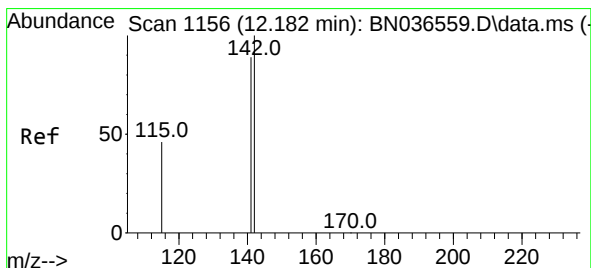
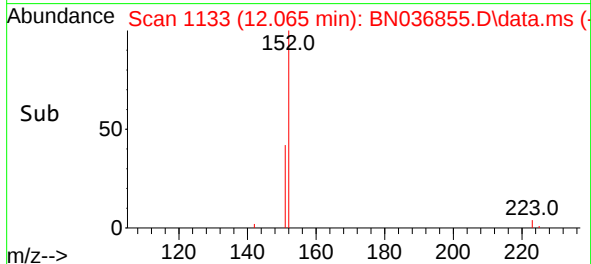
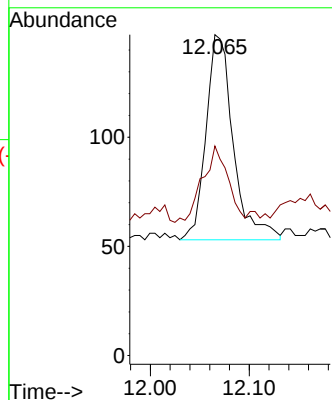
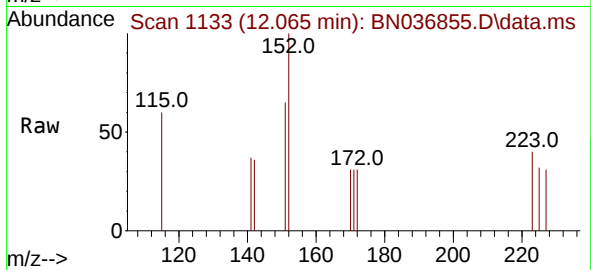




#11
2-Methylnaphthalene-d10
Concen: 0.024 ng
RT: 12.065 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

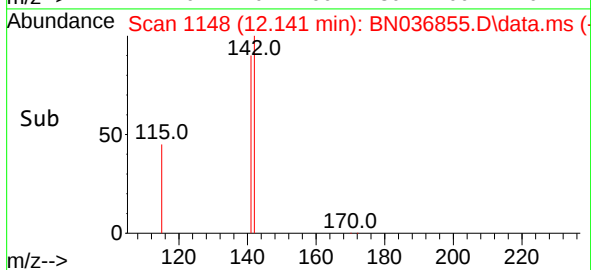
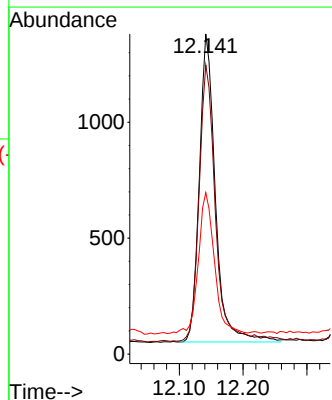
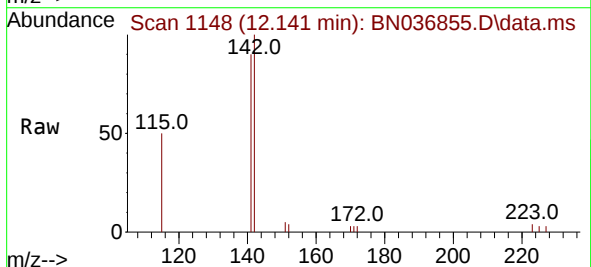
Instrument :
BNA_N
ClientSampleId :
GST1

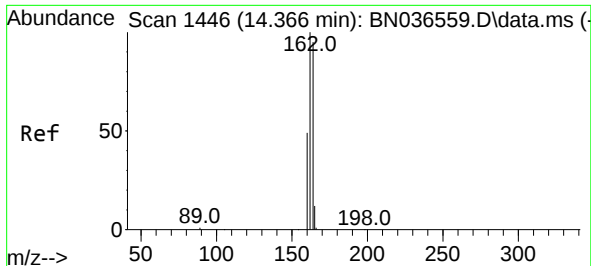
Tgt Ion:152 Resp: 180
Ion Ratio Lower Upper
152 100
151 35.0 17.0 25.6#



#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

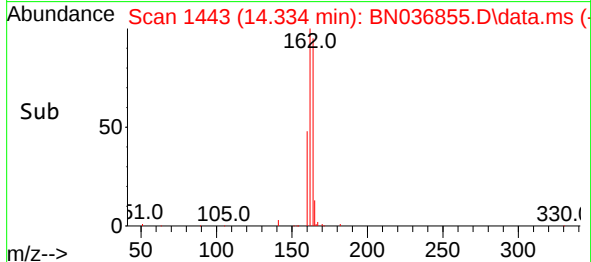
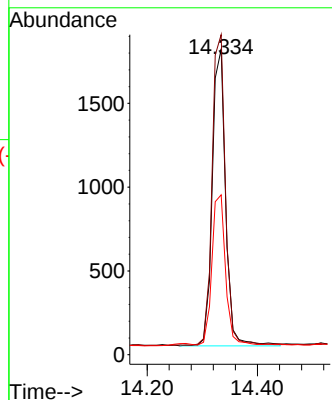
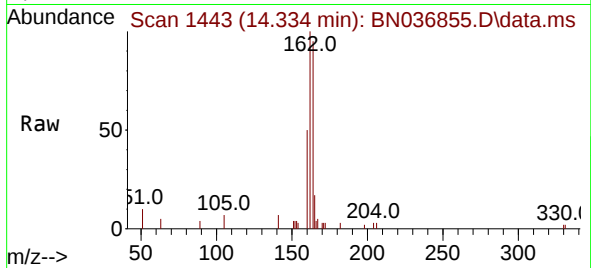




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.334 min Scan# 1443
 Delta R.T. 0.000 min
 Lab File: BN036855.D
 Acq: 07 Apr 2025 16:06

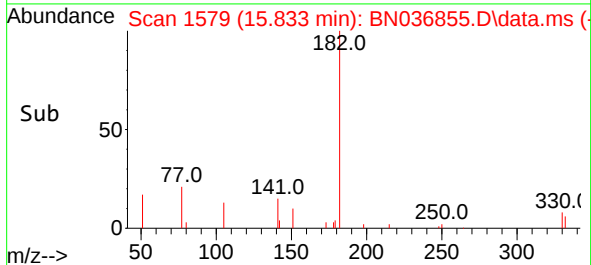
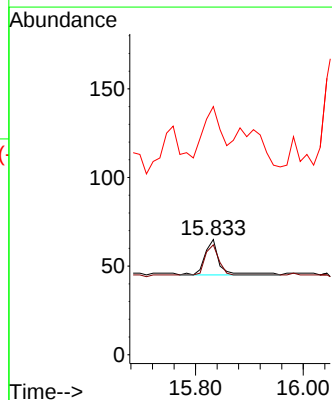
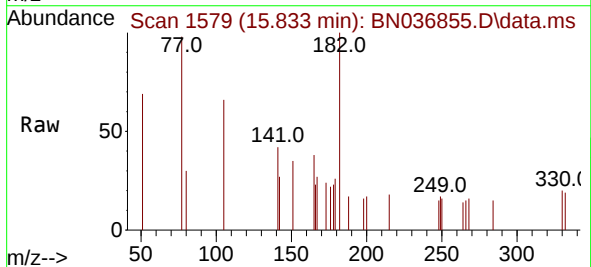
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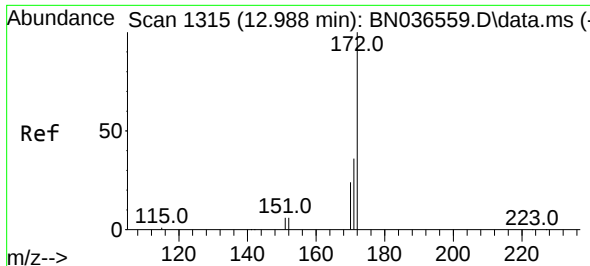
Tgt Ion:164	Resp:	2978
Ion Ratio	Lower	Upper
164	100	
162	104.8	84.2 126.2
160	52.3	42.2 63.2



#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#

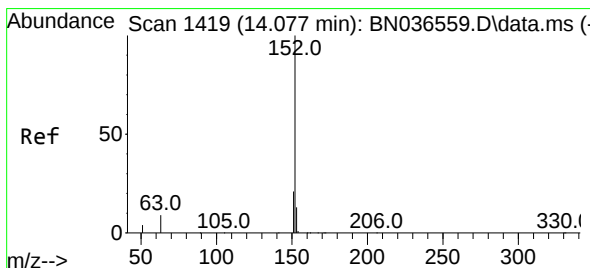
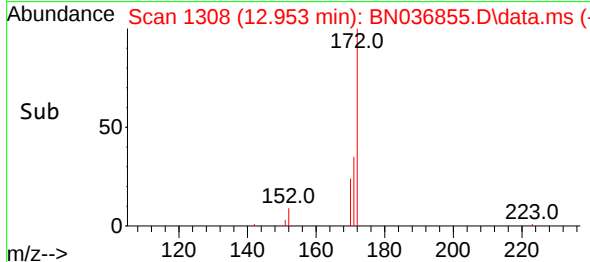
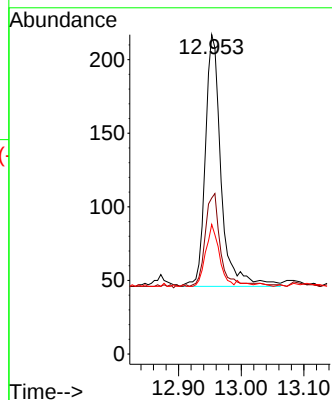
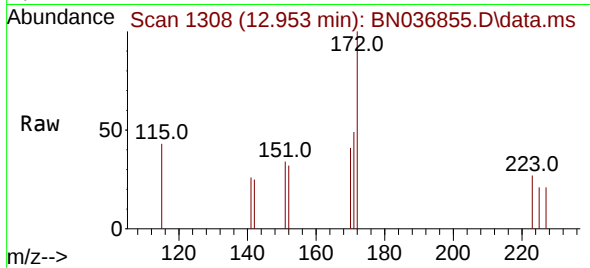




#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 12.953 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

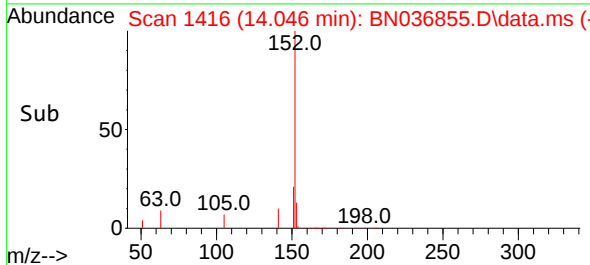
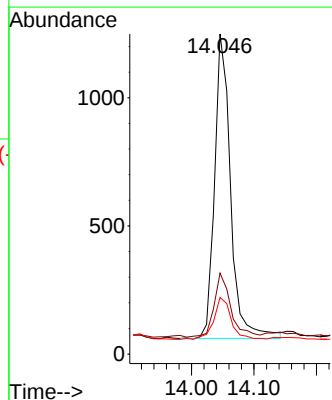
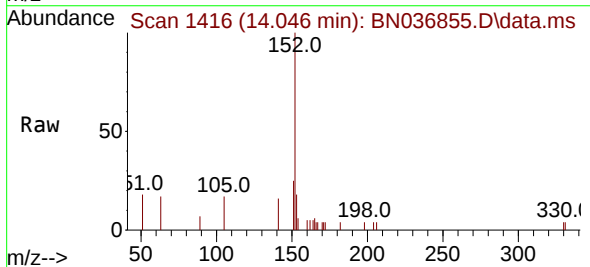
Instrument :
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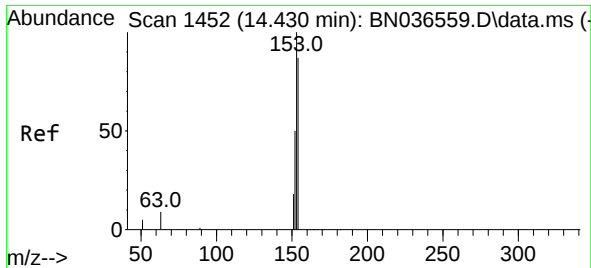
Tgt Ion:172 Resp: 355
Ion Ratio Lower Upper
172 100
171 48.8 29.5 44.3#
170 40.6 20.2 30.4#



#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

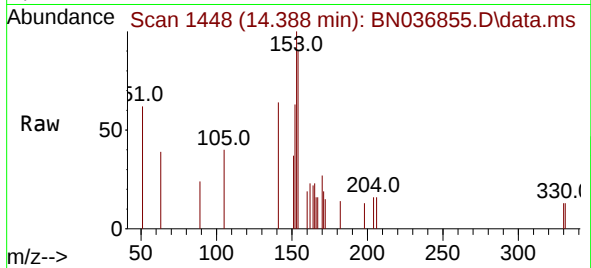
Tgt Ion:152 Resp: 2115
Ion Ratio Lower Upper
152 100
151 21.8 16.2 24.4
153 15.1 10.6 15.8



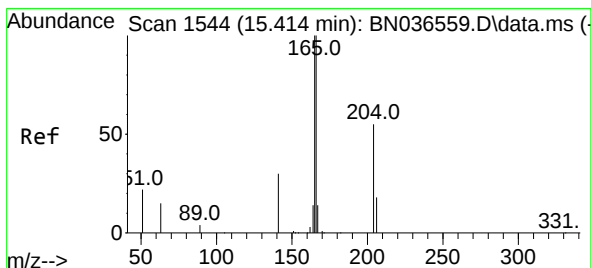
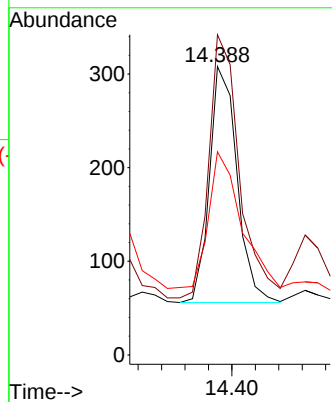
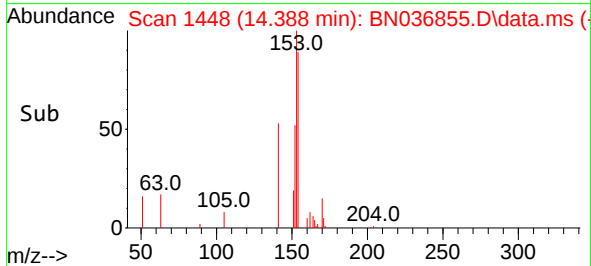


#17
Acenaphthene
Concen: 0.045 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

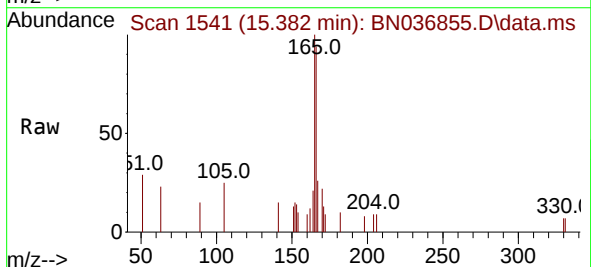
Instrument :
BNA_N
ClientSampleId :
GST1



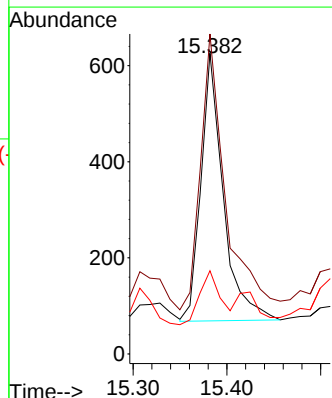
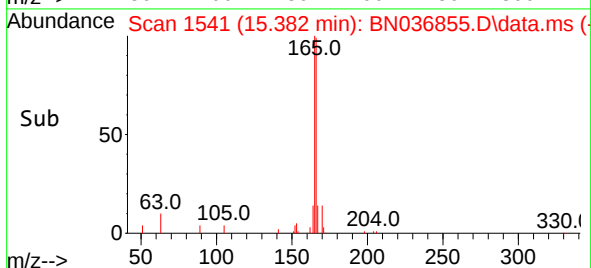
Tgt Ion:154 Resp: 411
Ion Ratio Lower Upper
154 100
153 123.4 94.1 141.1
152 69.3 49.8 74.6

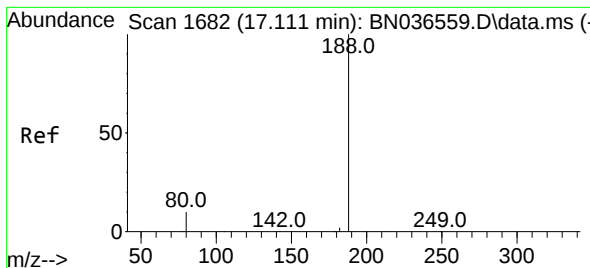


#18
Fluorene
Concen: 0.074 ng
RT: 15.382 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06



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

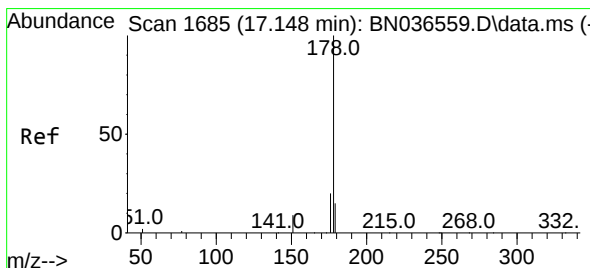
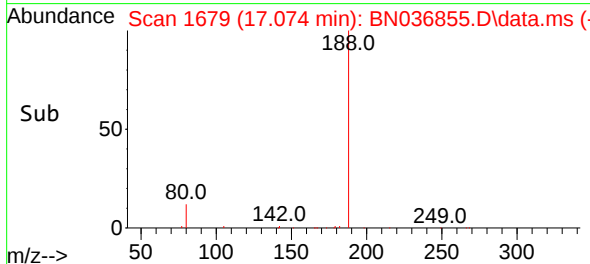
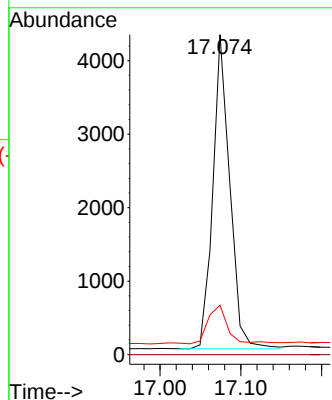
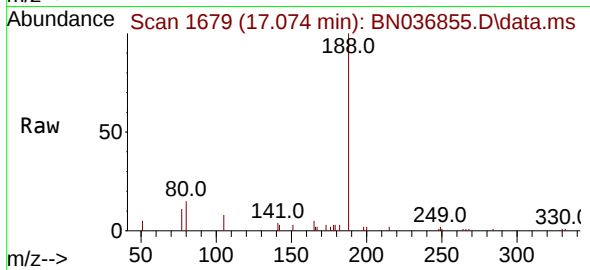
Tgt Ion:188 Resp: 6224

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.5 8.8 13.2#



#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

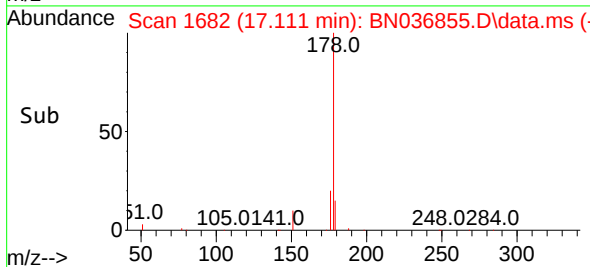
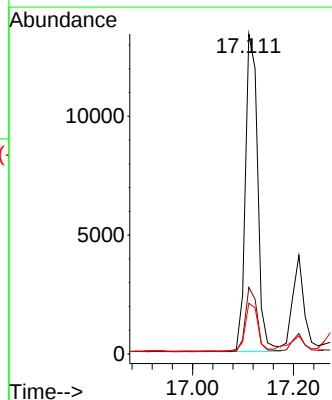
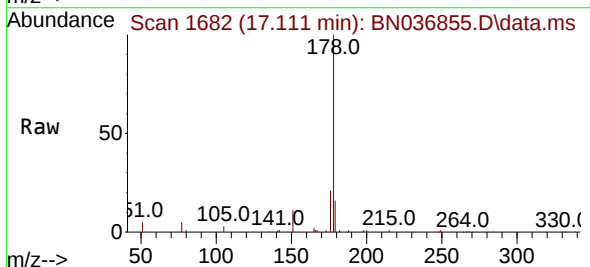
Tgt Ion:178 Resp: 22624

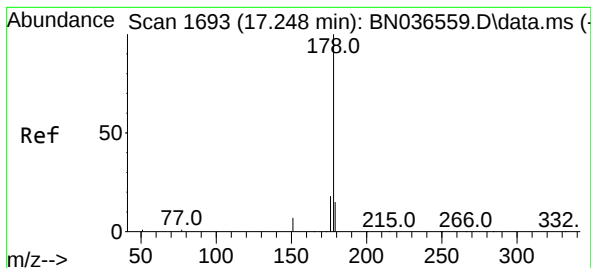
Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

179 15.6 12.2 18.4

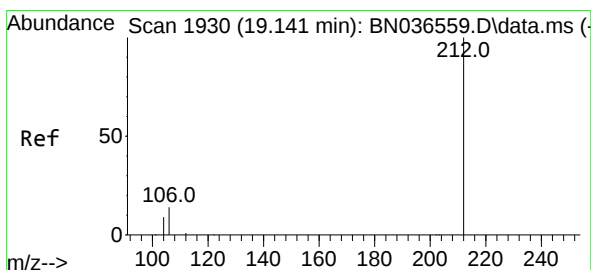
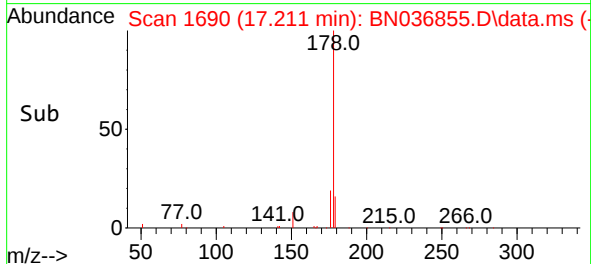
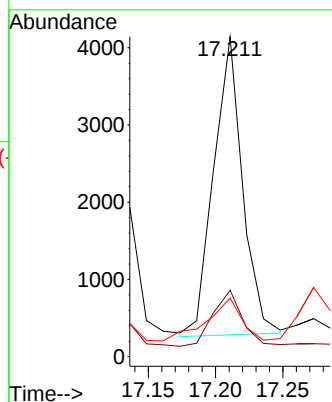
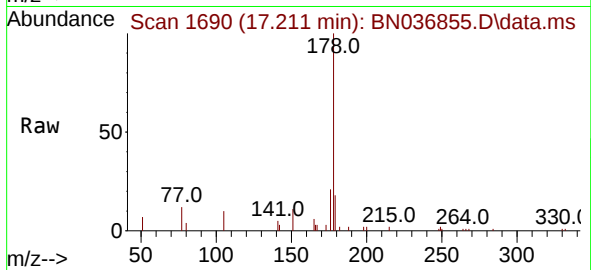




#26
 Anthracene
 Concen: 0.342 ng
 RT: 17.211 min Scan# 1690
 Delta R.T. 0.000 min
 Lab File: BN036855.D
 Acq: 07 Apr 2025 16:06

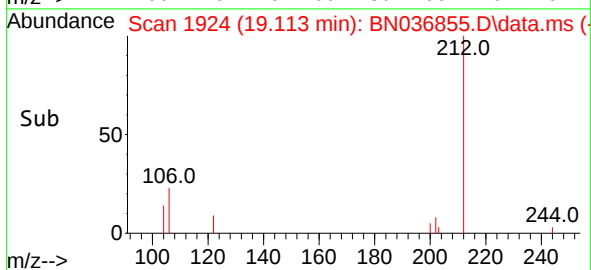
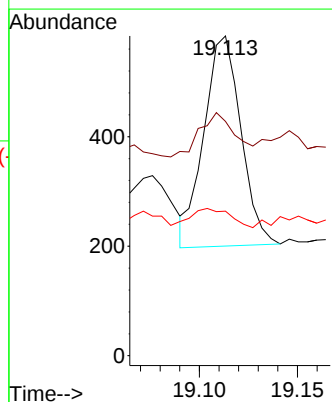
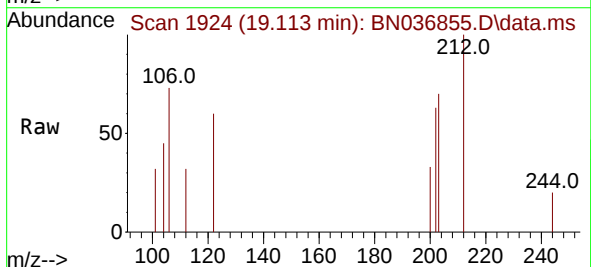
Instrument :
 BNA_N
 ClientSampleId :
 GST1

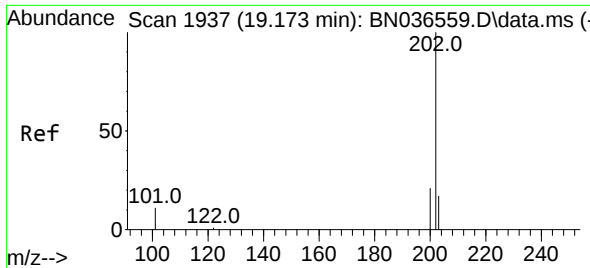
Tgt Ion:178 Resp: 5756
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 17.8 12.6 18.8



#27
 Fluoranthene-d10
 Concen: 0.031 ng
 RT: 19.113 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: BN036855.D
 Acq: 07 Apr 2025 16:06

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

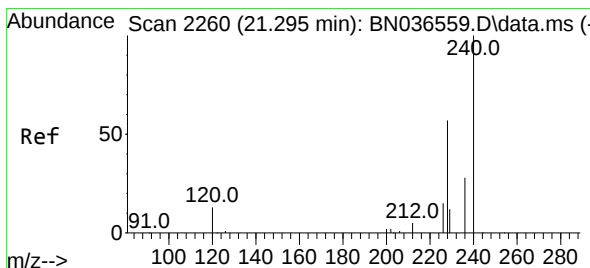
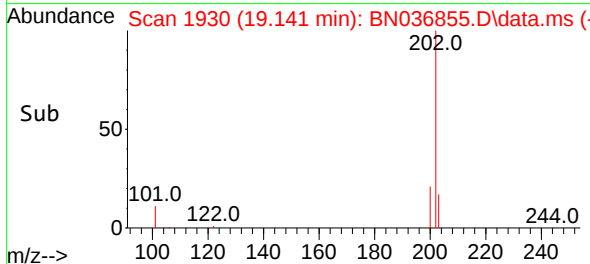
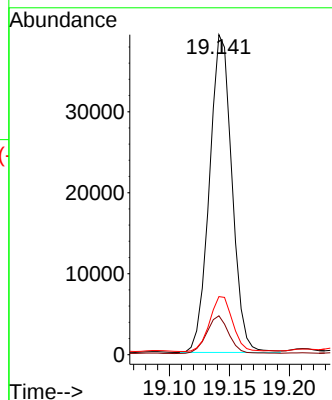
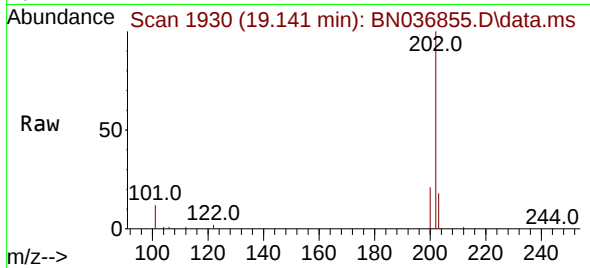




#28
Fluoranthene
Concen: 2.452 ng
RT: 19.141 min Scan# 1930
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

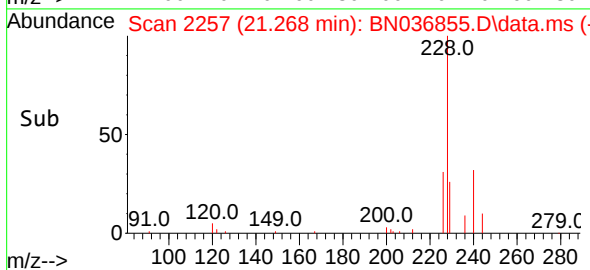
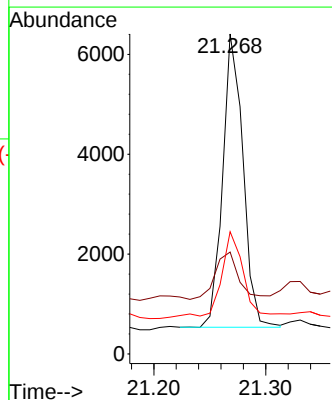
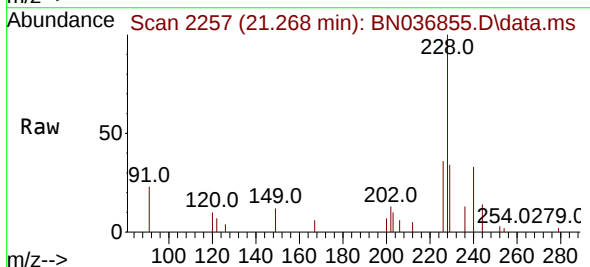
Instrument :
BNA_N
ClientSampleId :
GST1

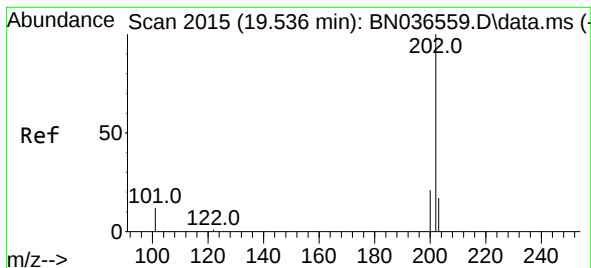
Tgt Ion:202 Resp: 51418
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.0
203 17.6 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

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# 2015

Delta R.T. -0.005 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

Instrument :

BNA_N

ClientSampleId :

GST1

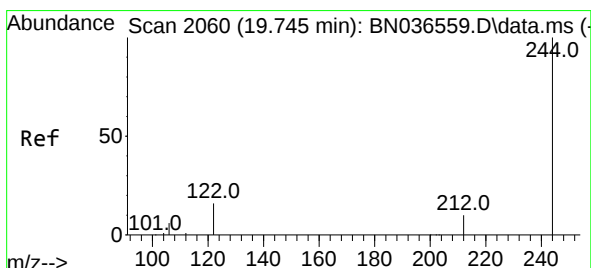
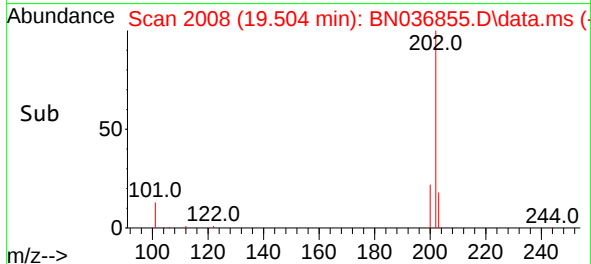
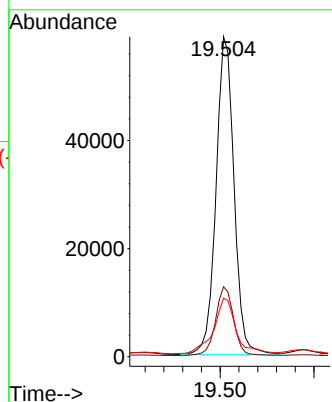
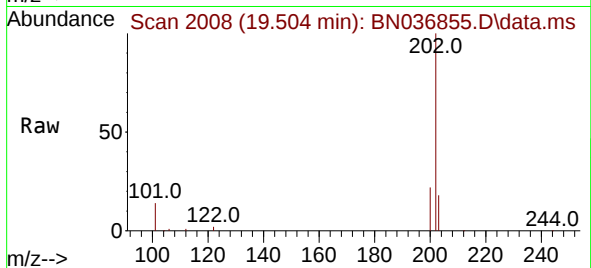
Tgt Ion:202 Resp: 78266

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# 2053

Delta R.T. -0.005 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

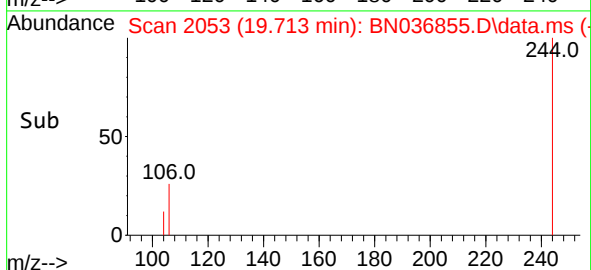
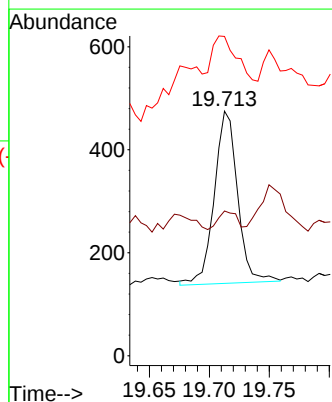
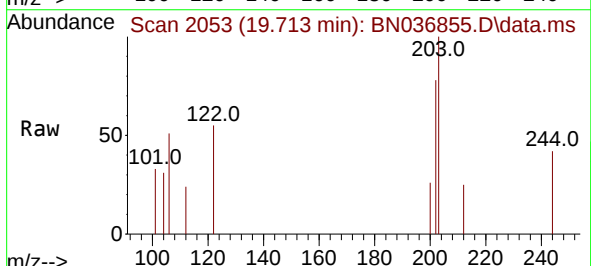
Tgt Ion:244 Resp: 452

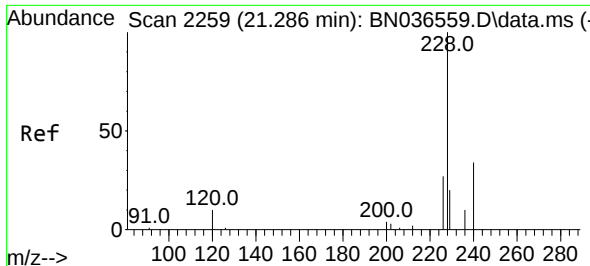
Ion Ratio Lower Upper

244 100

212 59.2 9.6 14.4#

122 130.5 13.9 20.9#

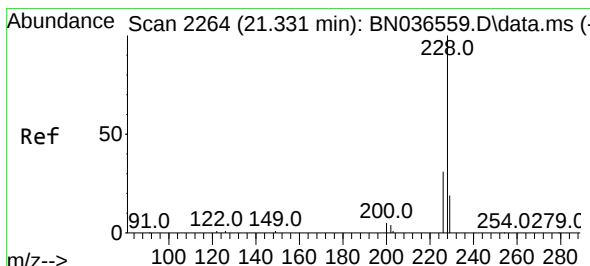
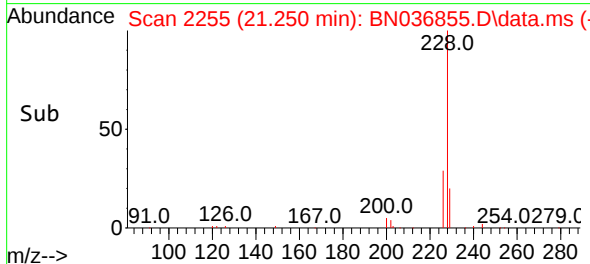
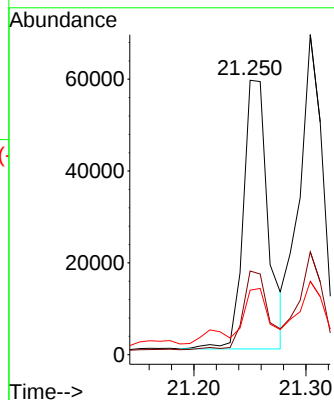
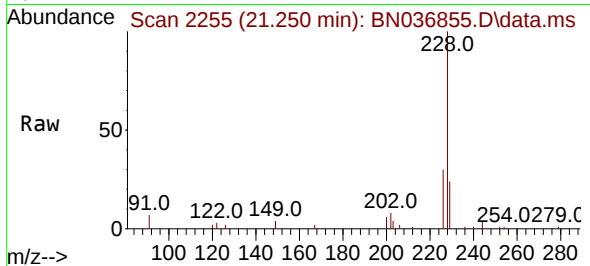




#32
Benzo(a)anthracene
Concen: 3.497 ng
RT: 21.250 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

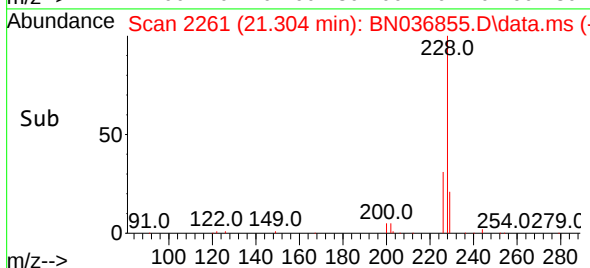
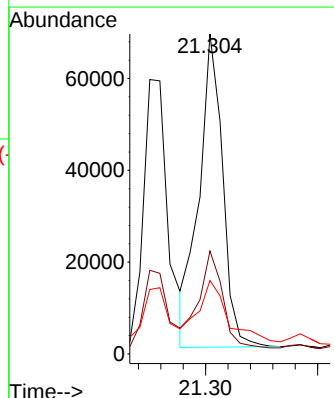
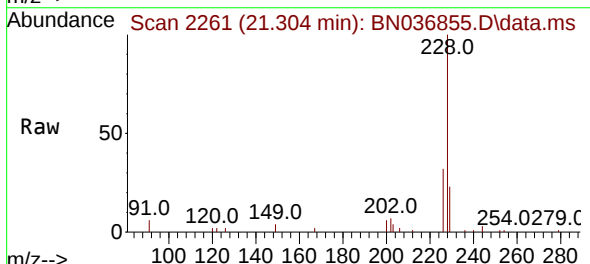
Instrument :
BNA_N
ClientSampleId :
GST1

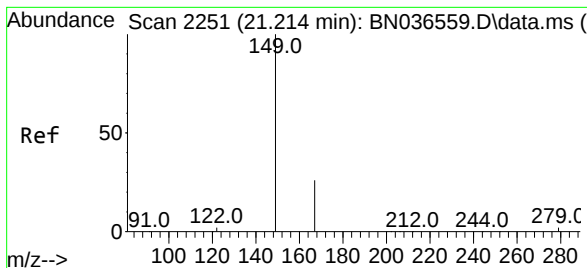
Tgt Ion:228 Resp: 90150
Ion Ratio Lower Upper
228 100
226 30.5 22.5 33.7
229 23.5 16.6 25.0



#33
Chrysene
Concen: 3.551 ng
RT: 21.304 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

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

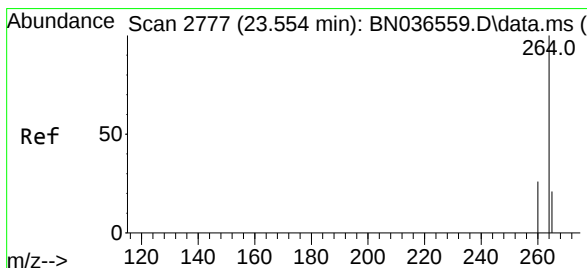
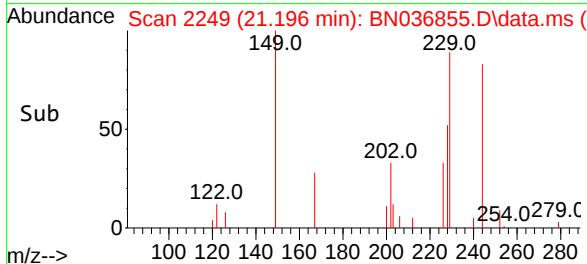
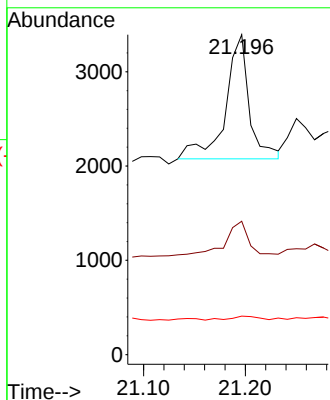
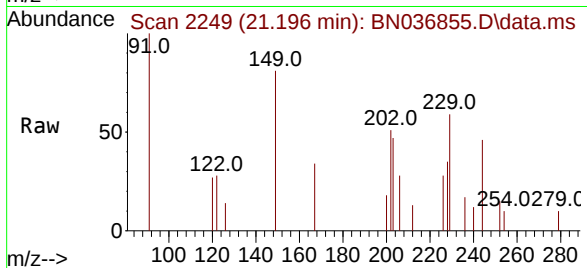




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.117 ng
 RT: 21.196 min Scan# 2141
 Delta R.T. 0.009 min
 Lab File: BN036855.D
 Acq: 07 Apr 2025 16:06

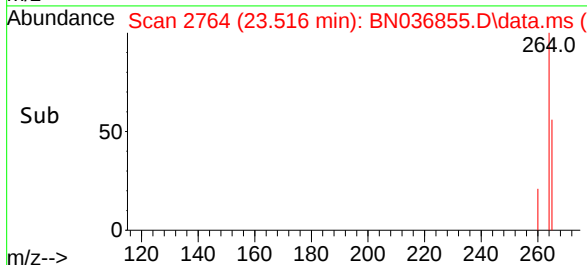
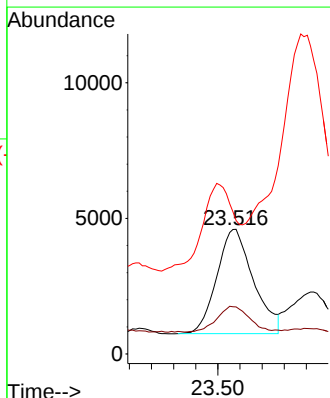
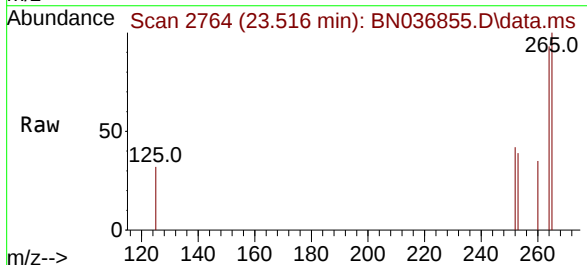
Instrument :
 BNA_N
 ClientSampleId :
 GST1

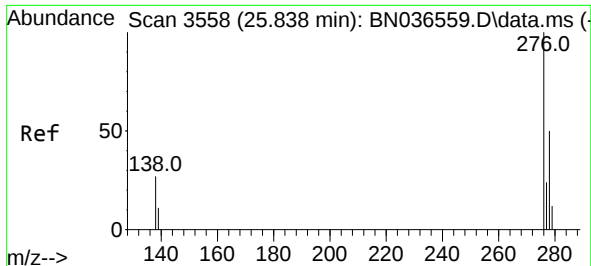
Tgt Ion:149 Resp: 2141
 Ion Ratio Lower Upper
 149 100
 167 24.3 20.7 31.1
 279 3.6 3.6 5.4#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.516 min Scan# 2764
 Delta R.T. 0.006 min
 Lab File: BN036855.D
 Acq: 07 Apr 2025 16:06

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

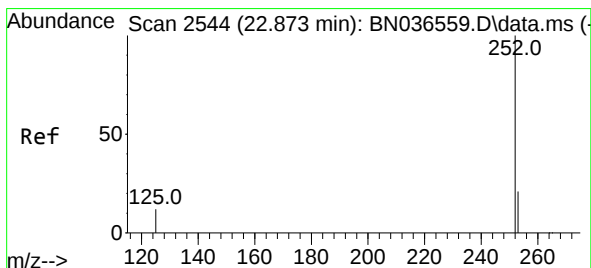
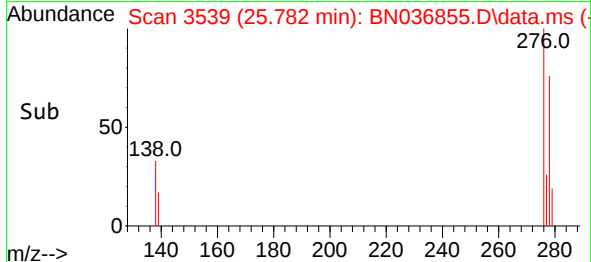
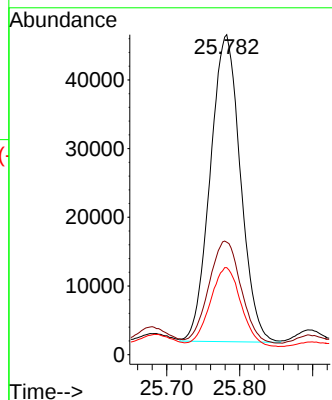
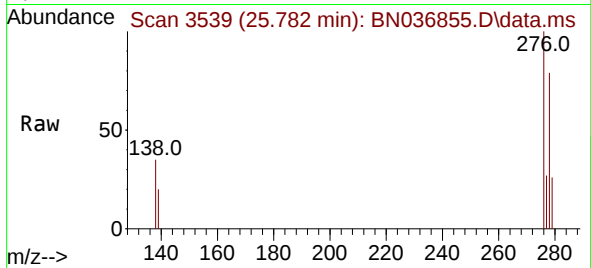




#36
Indeno(1,2,3-cd)pyrene
Concen: 4.014 ng
RT: 25.782 min Scan# 31
Delta R.T. 0.012 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

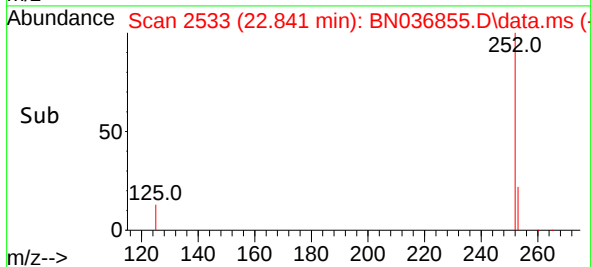
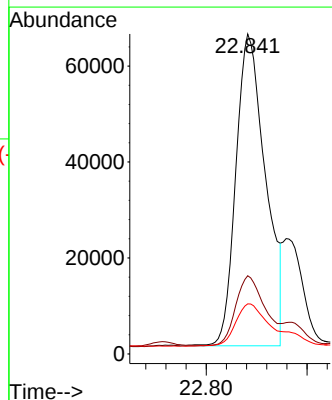
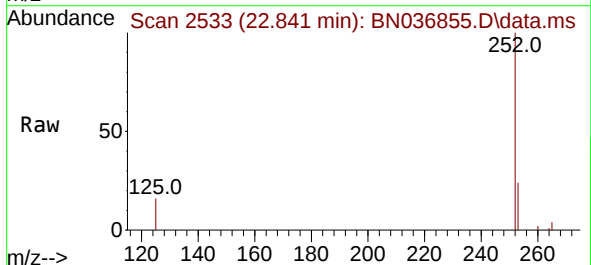
Instrument :
BNA_N
ClientSampleId :
GST1

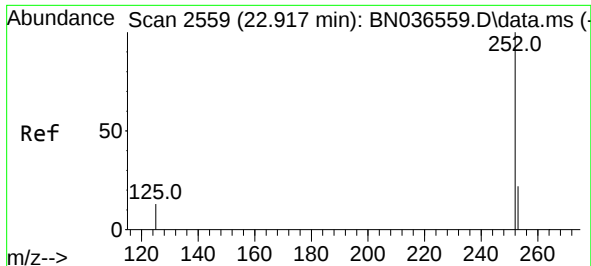
Tgt Ion:276 Resp: 128371
Ion Ratio Lower Upper
276 100
138 36.4 23.4 35.2#
277 26.4 20.0 30.0



#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

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#

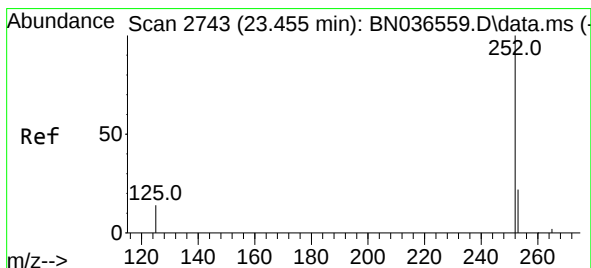
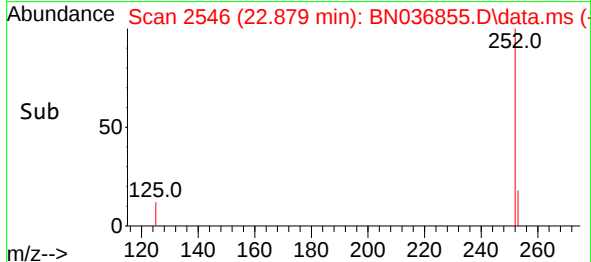
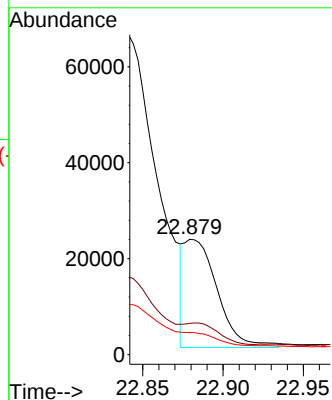
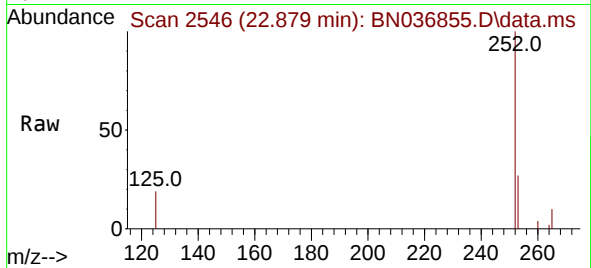




#38
Benzo(k)fluoranthene
Concen: 0.963 ng m
RT: 22.879 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

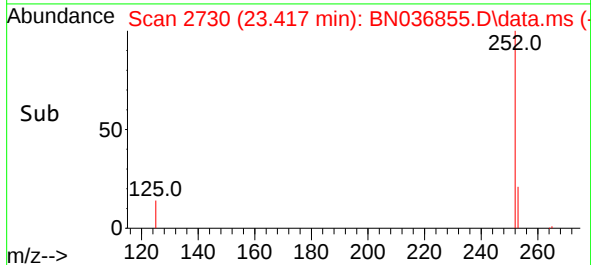
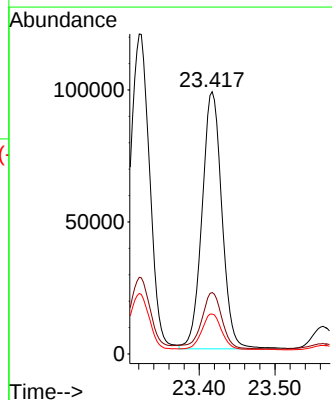
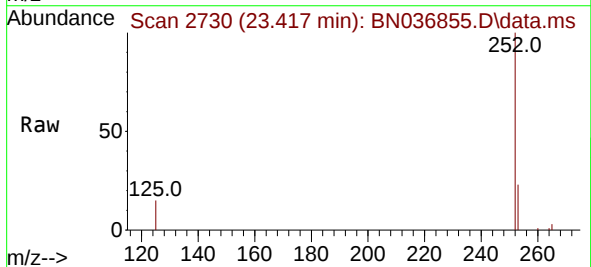
Instrument :
BNA_N
ClientSampleId :
GST1

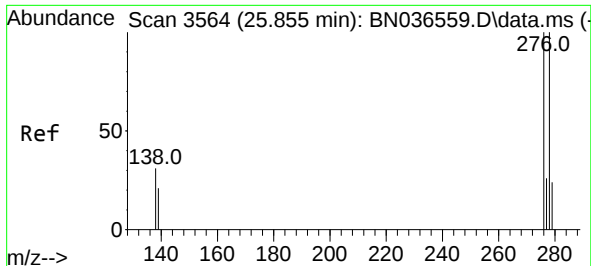
Tgt Ion:252 Resp: 32592
Ion Ratio Lower Upper
252 100
253 27.2 24.6 36.8
125 19.1 17.8 26.8



#39
Benzo(a)pyrene
Concen: 6.549 ng m
RT: 23.417 min Scan# 2730
Delta R.T. 0.006 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

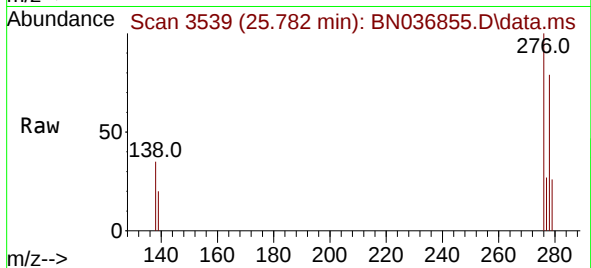
Tgt Ion:252 Resp: 177833
Ion Ratio Lower Upper
252 100
253 23.4 27.8 41.8#
125 15.2 22.7 34.1#



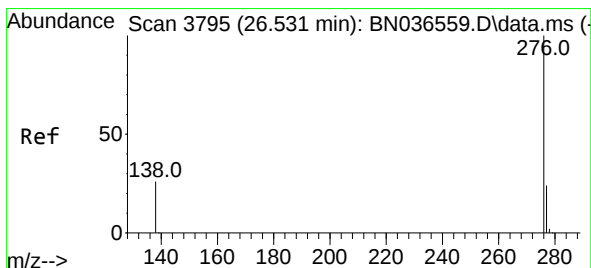
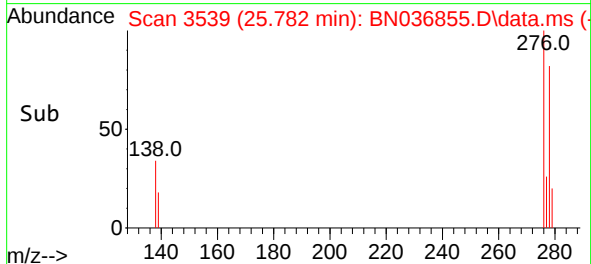
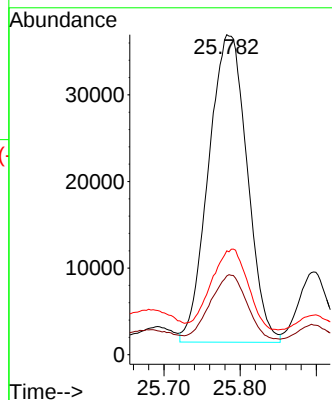


#40
Dibenzo(a,h)anthracene
Concen: 5.016 ng
RT: 25.782 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Instrument :
BNA_N
ClientSampleId :
GST1



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# 3777
Delta R.T. 0.021 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

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

