

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092425\
 Data File : BN037875.D
 Acq On : 24 Sep 2025 14:12
 Operator : RC/JU
 Sample : Q3015-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 24 14:48:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 11:00:01 2025
 Response via : Initial Calibration

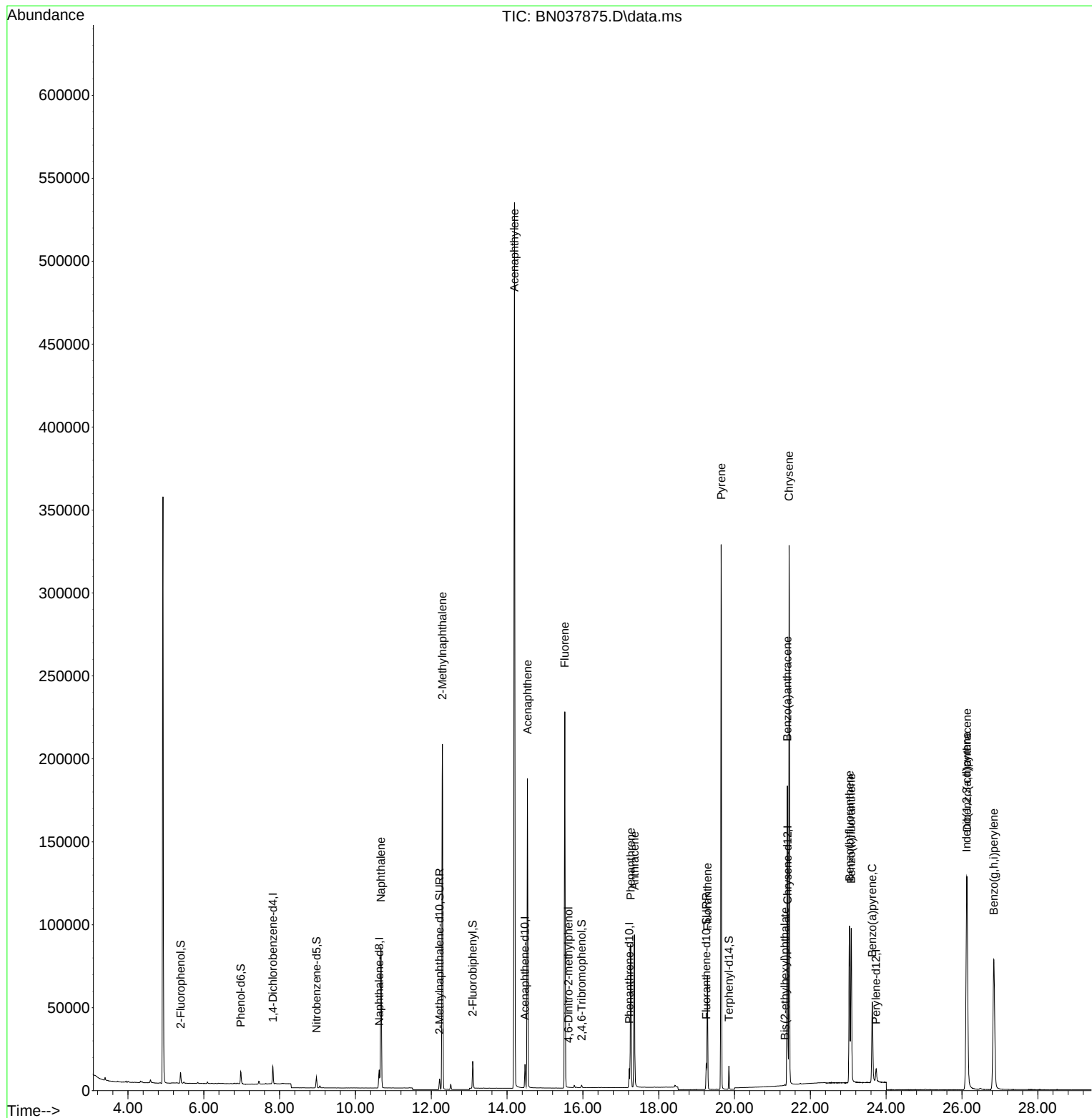
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	5191	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	14257	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	7470	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	14151	0.400	ng	0.00
29) Chrysene-d12	21.402	240	14100	0.400	ng	# 0.00
35) Perylene-d12	23.736	264	11154	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	5183	0.438	ng	0.00
5) Phenol-d6	6.973	99	6784	0.436	ng	0.00
8) Nitrobenzene-d5	8.971	82	5155	0.474	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	8521	0.430	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	892	0.315	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	14475	0.473	ng	0.00
27) Fluoranthene-d10	19.257	212	16255	0.457	ng	0.00
31) Terphenyl-d14	19.852	244	12604	0.449	ng	0.00
Target Compounds						
9) Naphthalene	10.669	128	116901	2.976	ng	99
12) 2-Methylnaphthalene	12.294	142	145103	5.656	ng	98
16) Acenaphthylene	14.195	152	543865	16.035	ng	100
17) Acenaphthene	14.537	154	86337	3.573	ng	98
18) Fluorene	15.523	166	136092	4.656	ng	100
20) 4,6-Dinitro-2-methylph...	15.622	198	4	0.070	ng	# 1
25) Phenanthrene	17.260	178	87363	1.876	ng	99
26) Anthracene	17.360	178	103041	2.551	ng	99
28) Fluoranthene	19.285	202	60612	1.182	ng	100
30) Pyrene	19.648	202	275385	4.947	ng	99
32) Benzo(a)anthracene	21.393	228	151244	3.069	ng	98
33) Chrysene	21.438	228	272271	5.109	ng	99
34) Bis(2-ethylhexyl)phtha...	21.331	149	661	0.034	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.121	276	98747	1.938	ng	# 91
37) Benzo(b)fluoranthene	23.031	252	123046	2.558	ng	# 94
38) Benzo(k)fluoranthene	23.078	252	124587	2.574	ng	# 93
39) Benzo(a)pyrene	23.633	252	76254	2.004	ng	# 90
40) Dibenzo(a,h)anthracene	26.130	278	173638	4.363	ng	96
41) Benzo(g,h,i)perylene	26.838	276	173660	4.154	ng	97

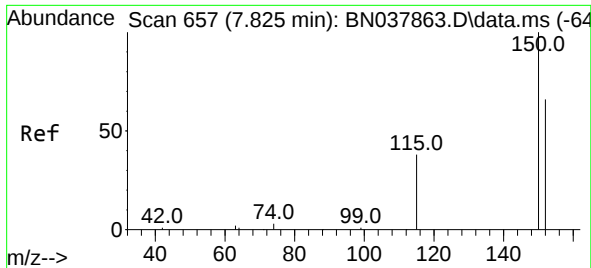
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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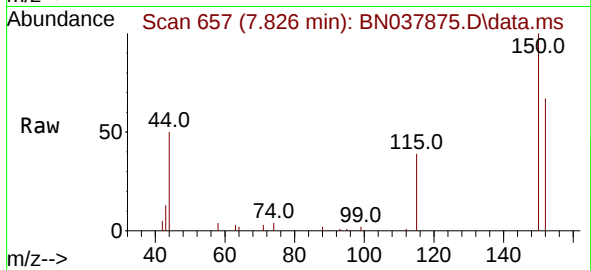
Quant Time: Sep 24 14:48:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
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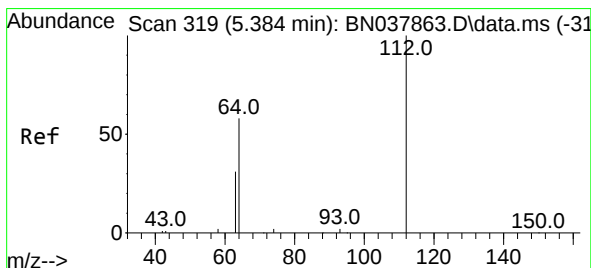
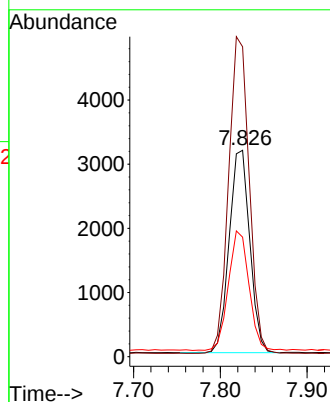
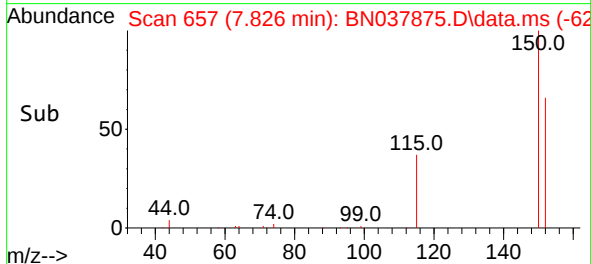


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

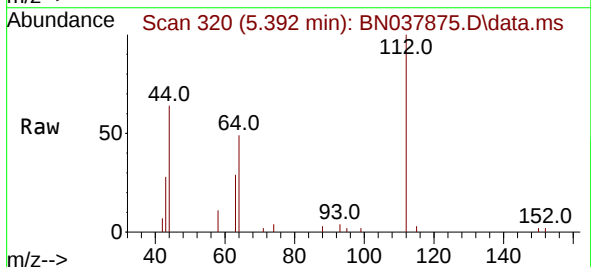
Instrument :
BNA_N
ClientSampleId :



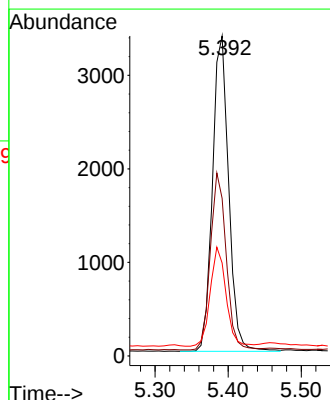
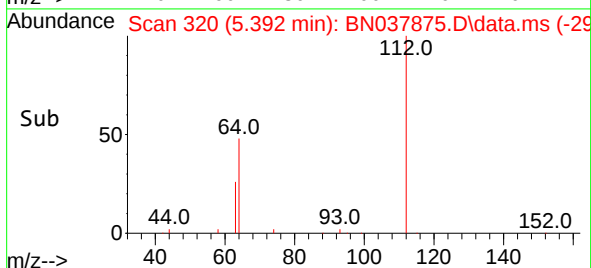
Tgt Ion:152 Resp: 5191
Ion Ratio Lower Upper
152 100
150 150.2 121.0 181.4
115 58.0 47.4 71.0

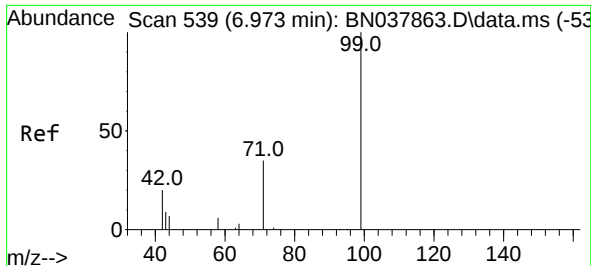


#4
2-Fluorophenol
Concen: 0.438 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12



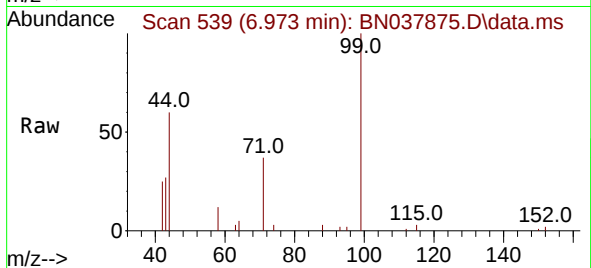
Tgt Ion:112 Resp: 5183
Ion Ratio Lower Upper
112 100
64 55.0 44.6 66.8
63 30.6 24.9 37.3





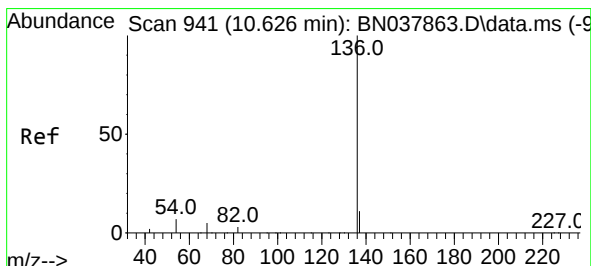
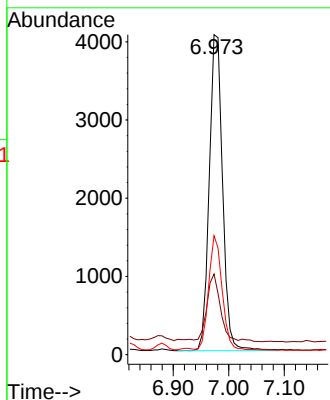
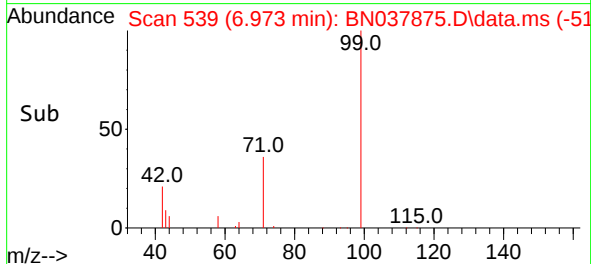
#5
Phenol-d6
Concen: 0.436 ng
RT: 6.973 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

Instrument :
BNA_N
ClientSampleId :

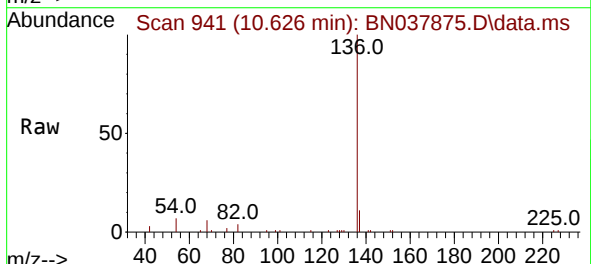


Tgt Ion: 99 Resp: 6784

Ion	Ratio	Lower	Upper
99	100		
42	20.2	17.2	25.8
71	36.8	27.3	40.9

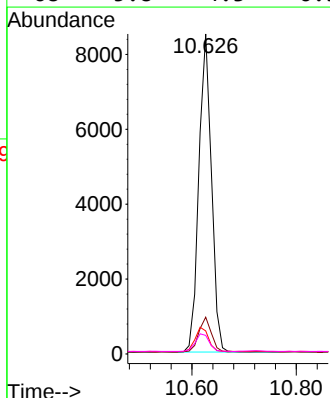
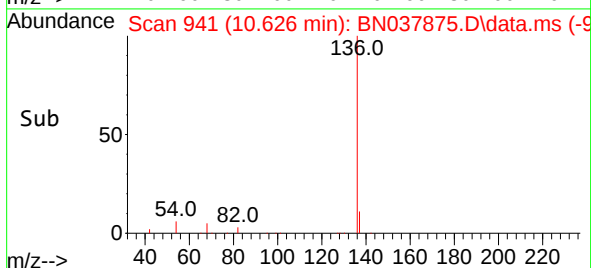


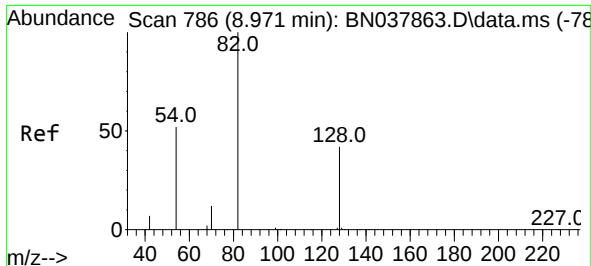
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12



Tgt Ion: 136 Resp: 14257

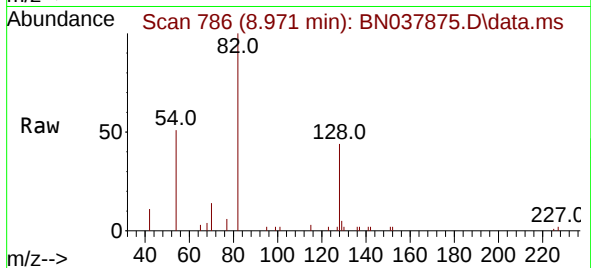
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	7.2	5.8	8.8
68	5.8	4.3	6.5



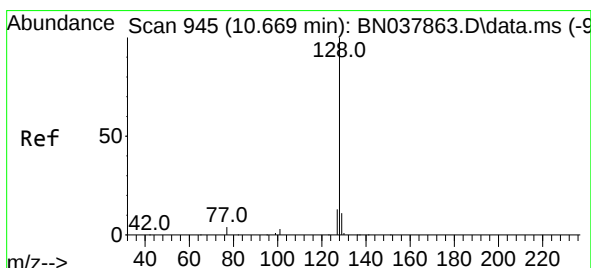
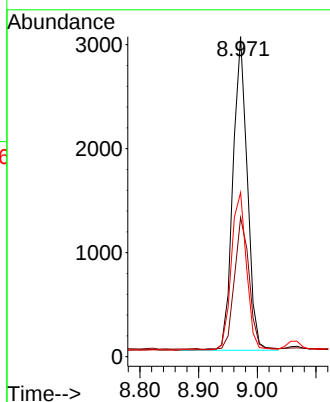
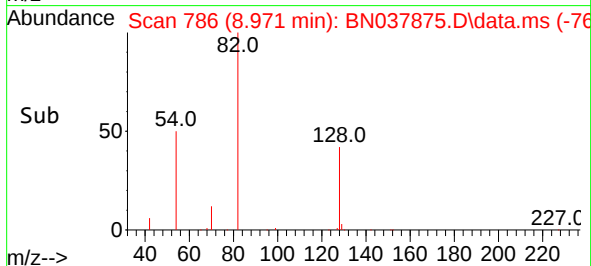


#8
Nitrobenzene-d5
Concen: 0.474 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

Instrument :
BNA_N
ClientSampleId :

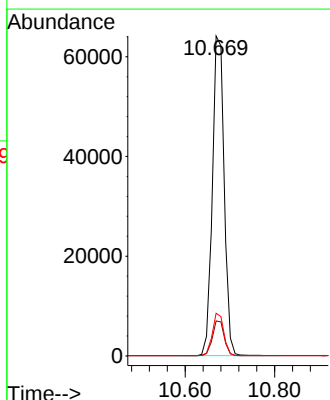
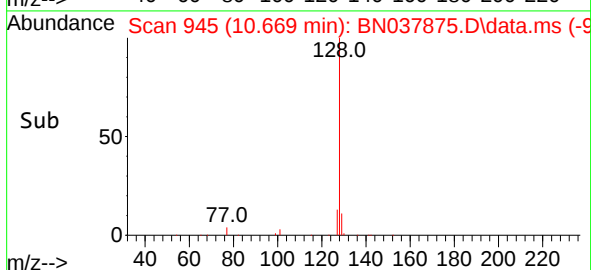
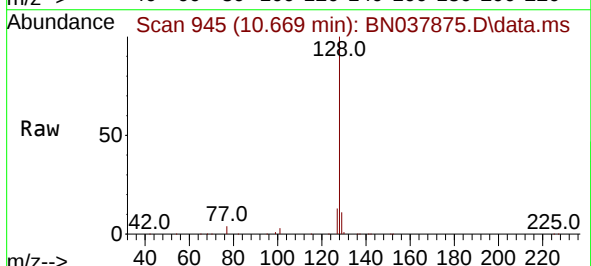


Tgt Ion: 82 Resp: 5155
Ion Ratio Lower Upper
82 100
128 43.5 34.8 52.2
54 51.3 42.2 63.2



#9
Naphthalene
Concen: 2.976 ng
RT: 10.669 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

Tgt Ion: 128 Resp: 116901
Ion Ratio Lower Upper
128 100
129 10.9 9.2 13.8
127 13.3 11.0 16.6

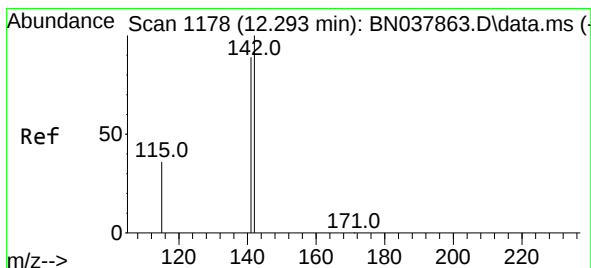
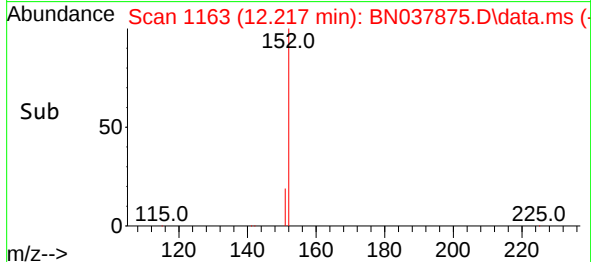
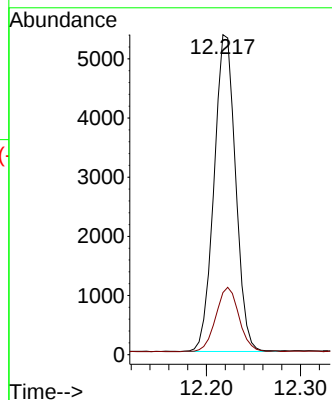
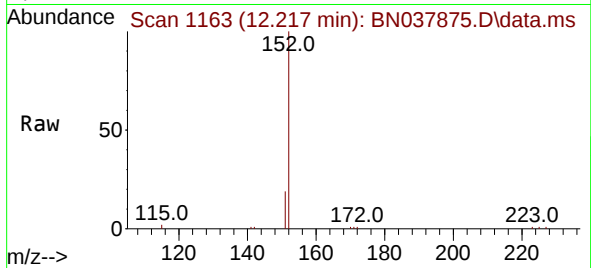




#11
2-Methylnaphthalene-d10
Concen: 0.430 ng
RT: 12.217 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

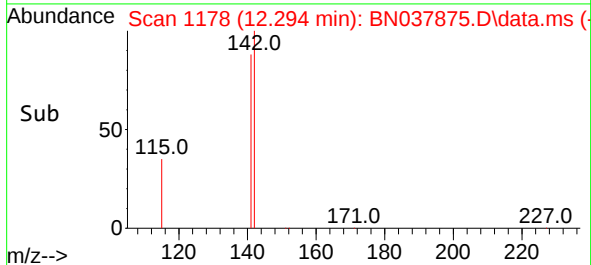
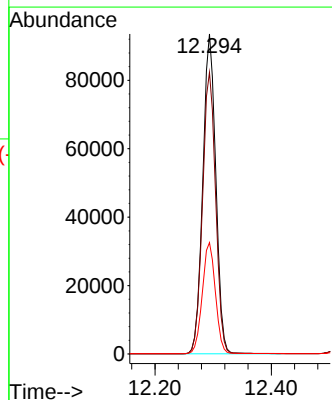
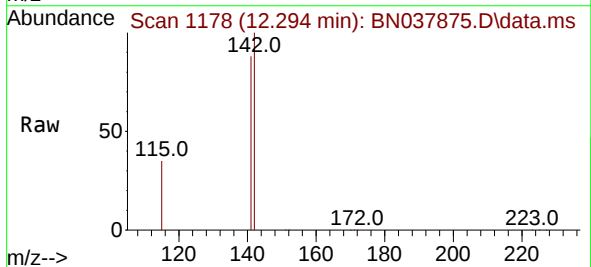
Instrument :
BNA_N
ClientSampleId :

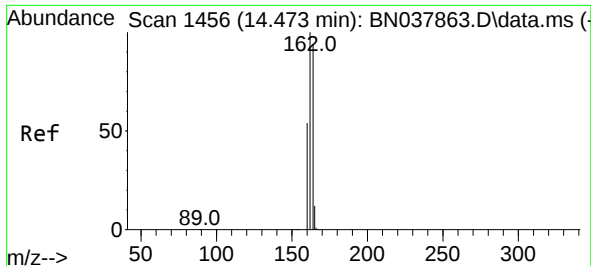
Tgt Ion:152 Resp: 8521
Ion Ratio Lower Upper
152 100
151 21.7 17.4 26.2



#12
2-Methylnaphthalene
Concen: 5.656 ng
RT: 12.294 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

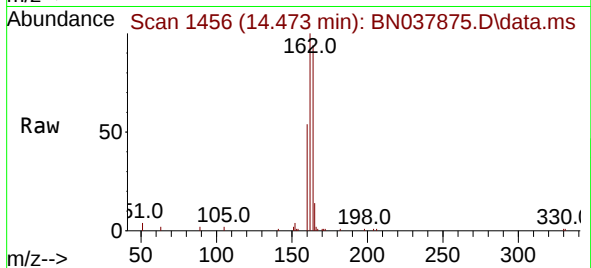
Tgt Ion:142 Resp: 145103
Ion Ratio Lower Upper
142 100
141 88.0 71.2 106.8
115 34.8 29.7 44.5



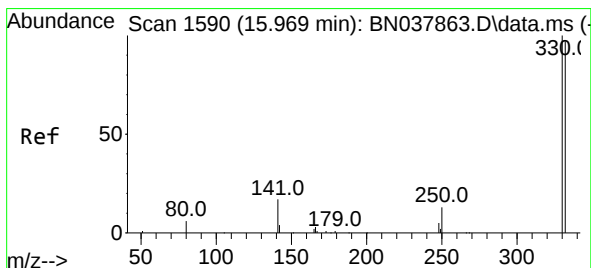
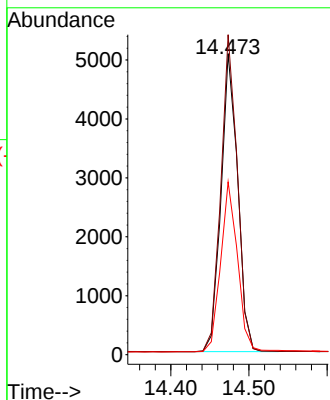
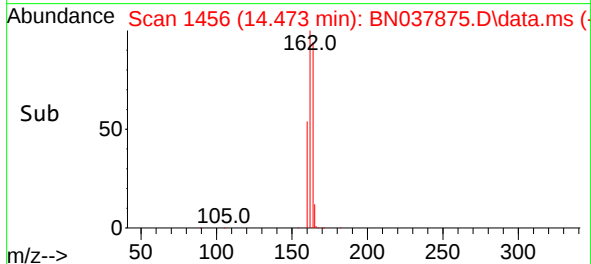


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

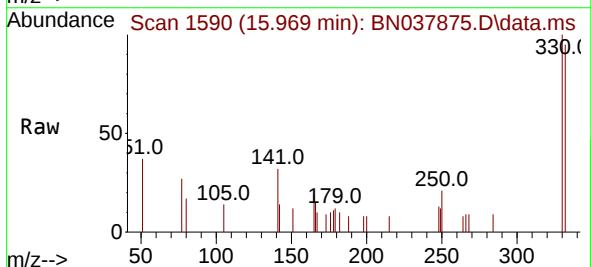
Instrument :
BNA_N
ClientSampleId :



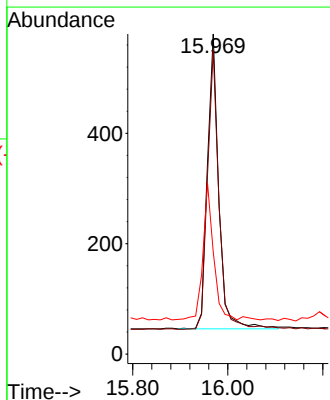
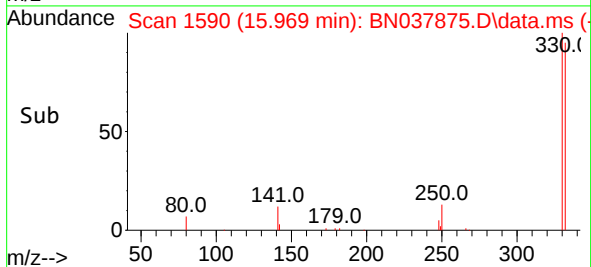
Tgt Ion:164 Resp: 7470
Ion Ratio Lower Upper
164 100
162 106.2 84.8 127.2
160 57.4 46.1 69.1

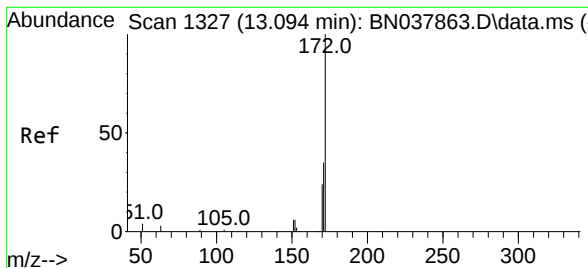


#14
2,4,6-Tribromophenol
Concen: 0.315 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12



Tgt Ion:330 Resp: 892
Ion Ratio Lower Upper
330 100
332 96.2 77.2 115.8
141 43.0 37.2 55.8





#15

2-Fluorobiphenyl

Concen: 0.473 ng

RT: 13.094 min Scan# 11

Delta R.T. 0.000 min

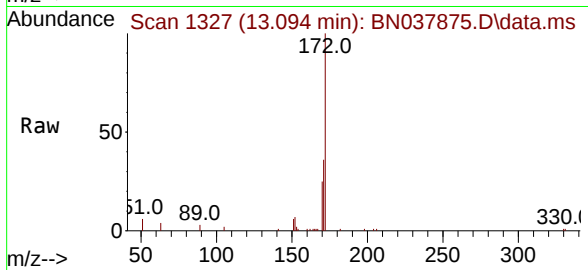
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Acq: 24 Sep 2025 14:12

Instrument :

BNA_N

ClientSampleId :



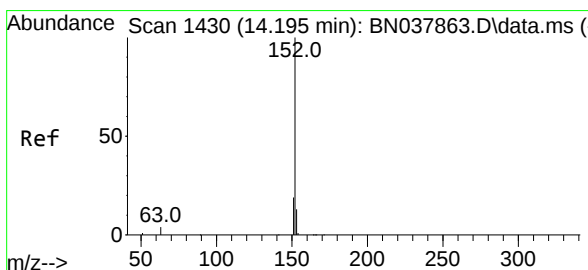
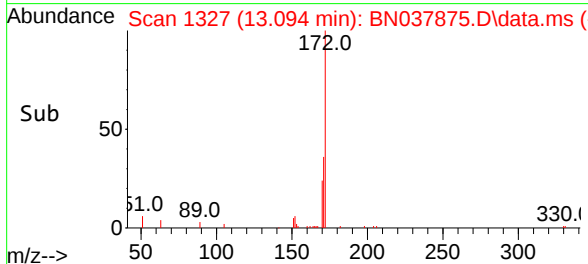
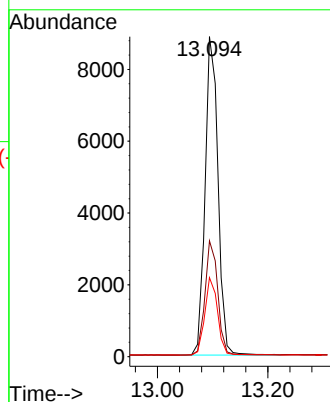
Tgt Ion:172 Resp: 14475

Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

170 24.7 19.7 29.5



#16

Acenaphthylene

Concen: 16.035 ng

RT: 14.195 min Scan# 1430

Delta R.T. 0.000 min

Lab File: BN037875.D

Acq: 24 Sep 2025 14:12

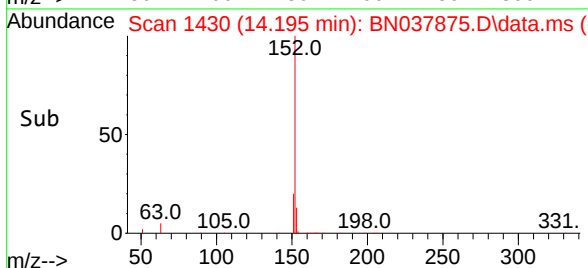
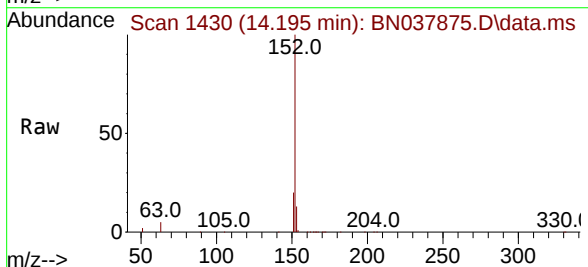
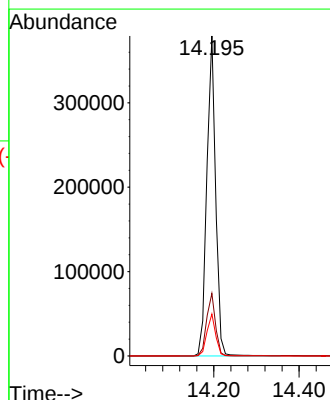
Tgt Ion:152 Resp: 543865

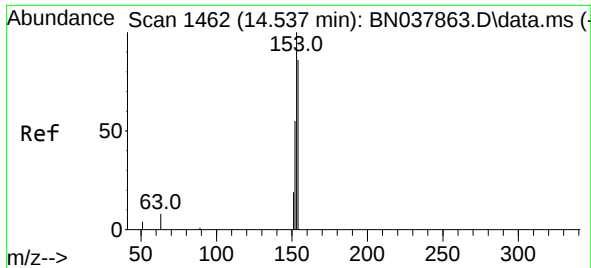
Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

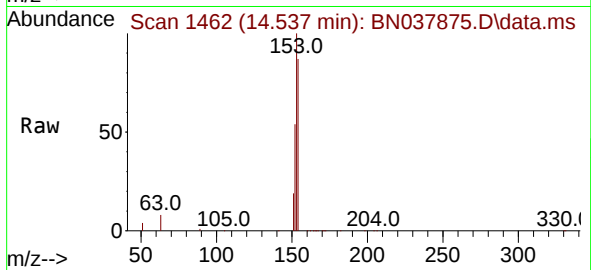
153 13.0 10.5 15.7



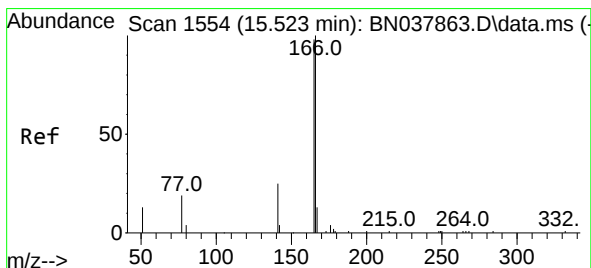
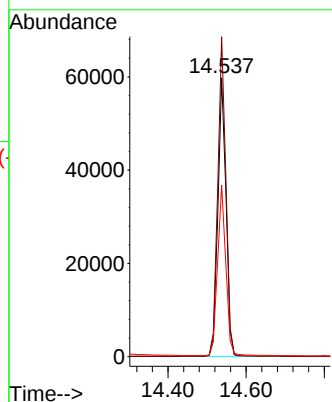
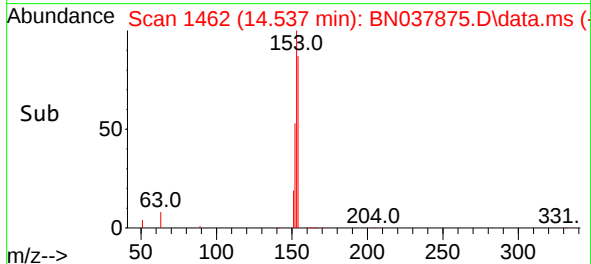


#17
Acenaphthene
Concen: 3.573 ng
RT: 14.537 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

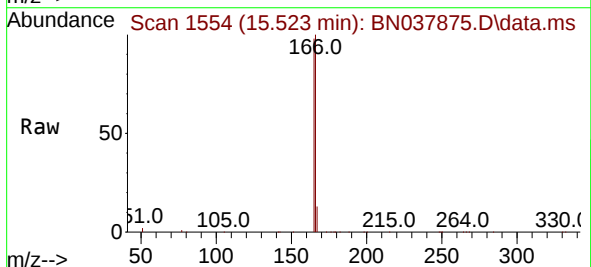
Instrument :
BNA_N
ClientSampleId :



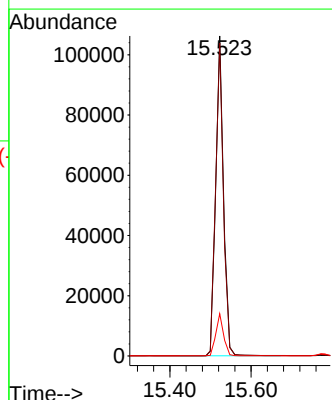
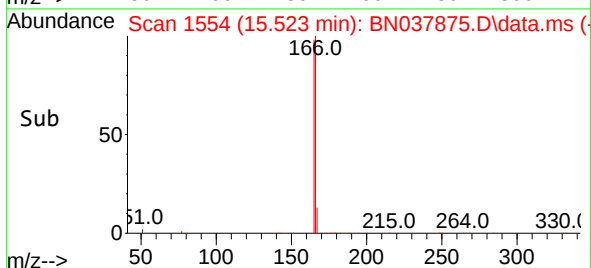
Tgt Ion:154 Resp: 86337
Ion Ratio Lower Upper
154 100
153 114.7 90.5 135.7
152 62.3 51.8 77.8

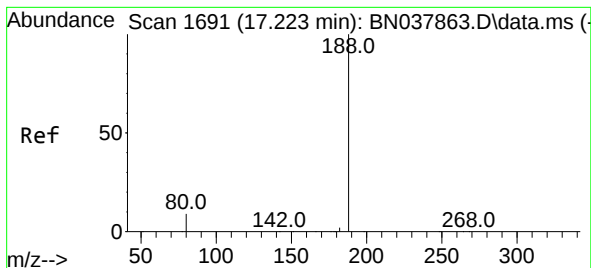


#18
Fluorene
Concen: 4.656 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12



Tgt Ion:166 Resp: 136092
Ion Ratio Lower Upper
166 100
165 99.1 79.0 118.4
167 13.2 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.223 min Scan# 1

Delta R.T. 0.000 min

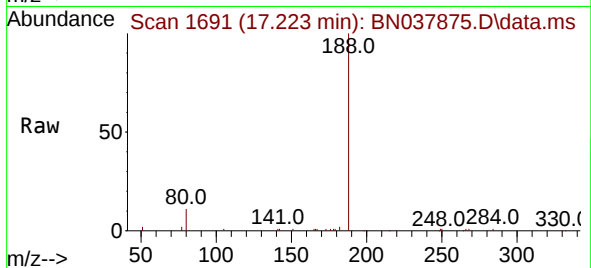
Lab File: BN037875.D

Acq: 24 Sep 2025 14:12

Instrument :

BNA_N

ClientSampleId :



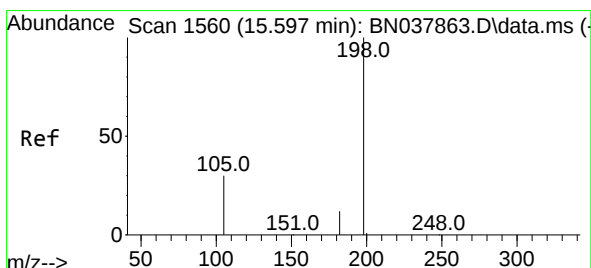
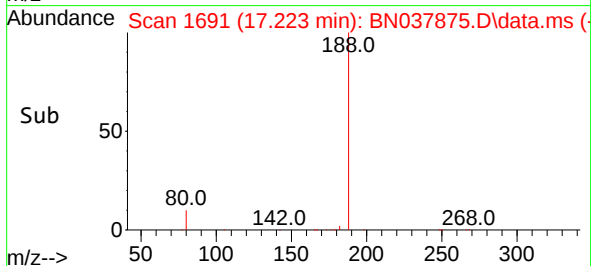
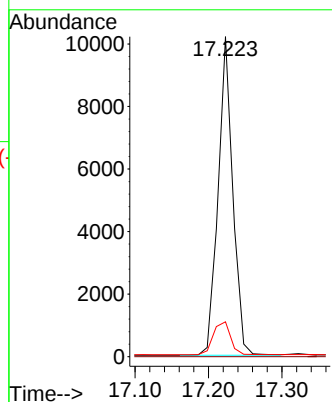
Tgt Ion:188 Resp: 14151

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.9 7.6 11.4



#20

4,6-Dinitro-2-methylphenol

Concen: 0.070 ng

RT: 15.622 min Scan# 1562

Delta R.T. 0.025 min

Lab File: BN037875.D

Acq: 24 Sep 2025 14:12

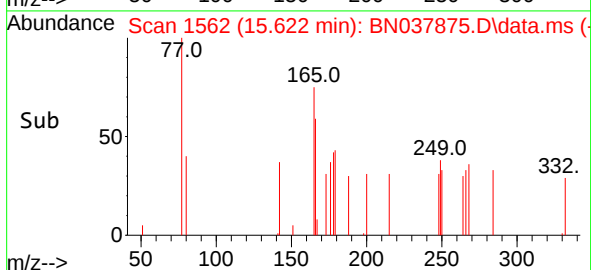
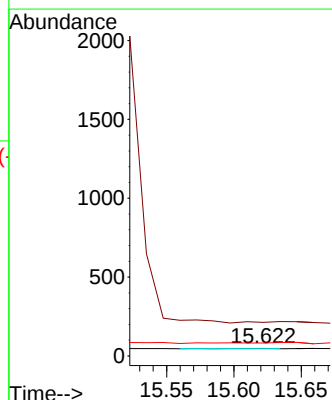
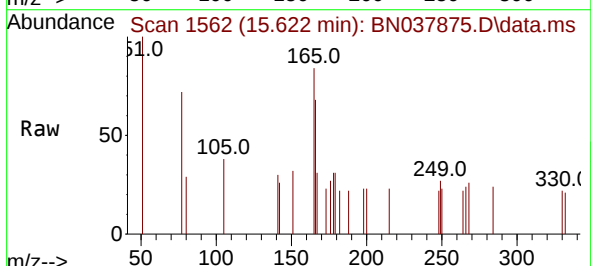
Tgt Ion:198 Resp: 4

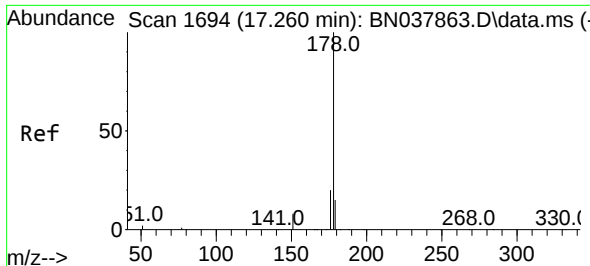
Ion Ratio Lower Upper

198 100

51 443.8 59.1 88.7#

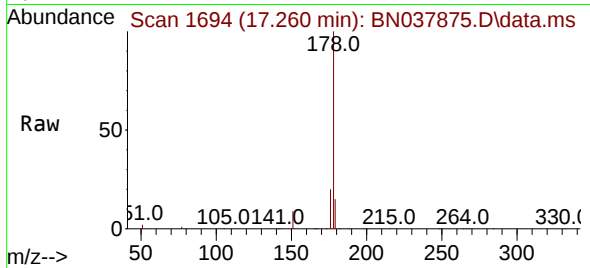
105 170.8 41.3 61.9#



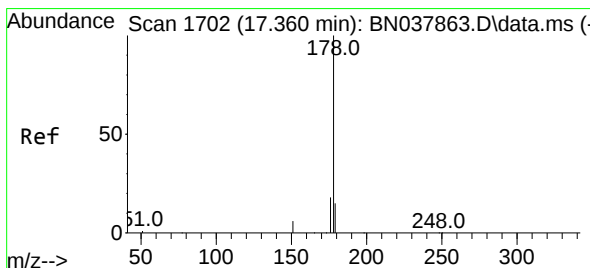
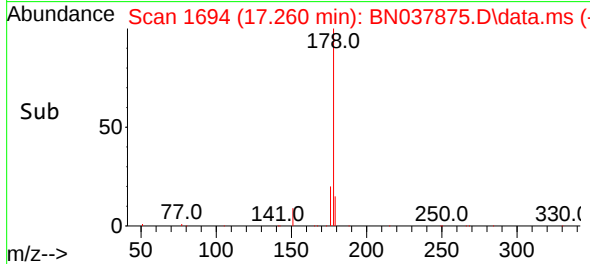
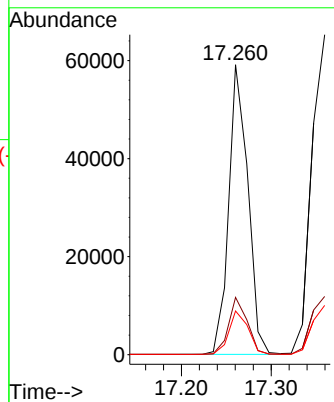


#25
 Phenanthrene
 Concen: 1.876 ng
 RT: 17.260 min Scan# 1694
 Delta R.T. 0.000 min
 Lab File: BN037875.D
 Acq: 24 Sep 2025 14:12

Instrument :
 BNA_N
 ClientSampleId :

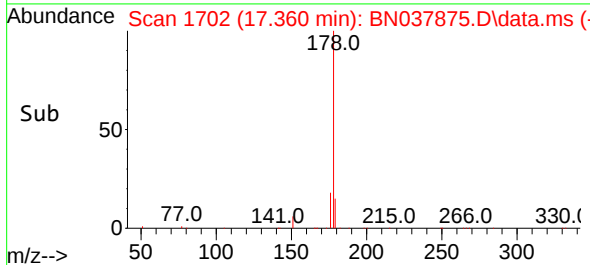
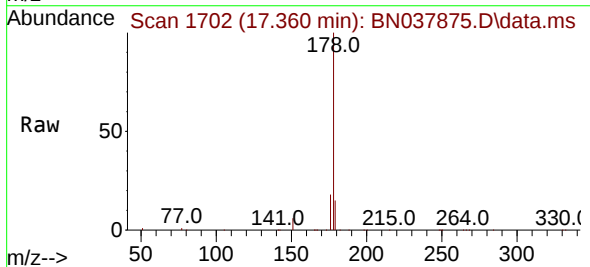
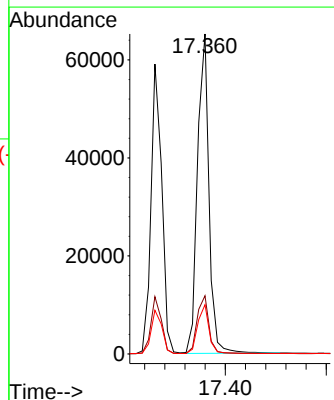


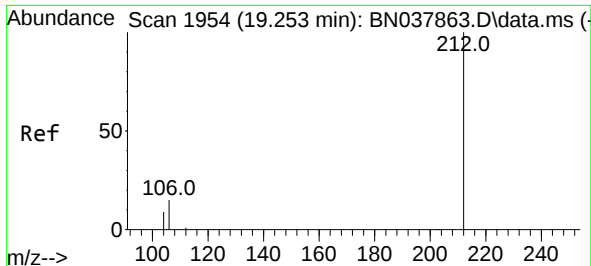
Tgt Ion:178 Resp: 87363
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.7 23.5
 179 15.2 12.3 18.5



#26
 Anthracene
 Concen: 2.551 ng
 RT: 17.360 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: BN037875.D
 Acq: 24 Sep 2025 14:12

Tgt Ion:178 Resp: 103041
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.4
 179 15.1 12.3 18.5

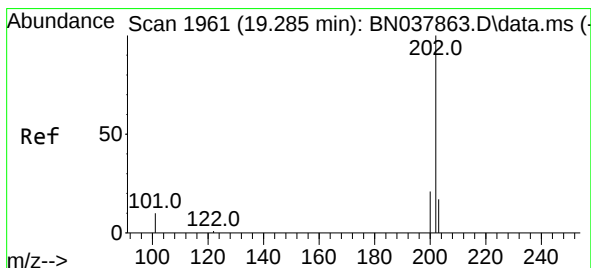
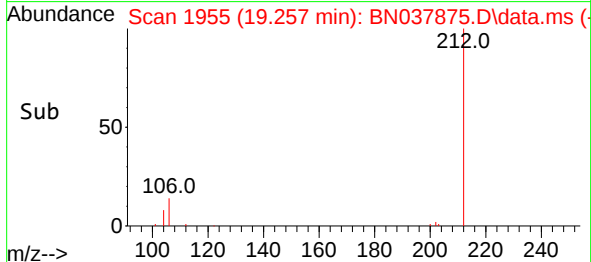
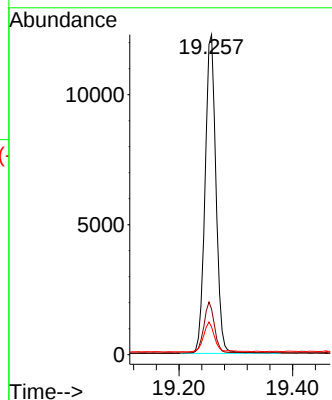
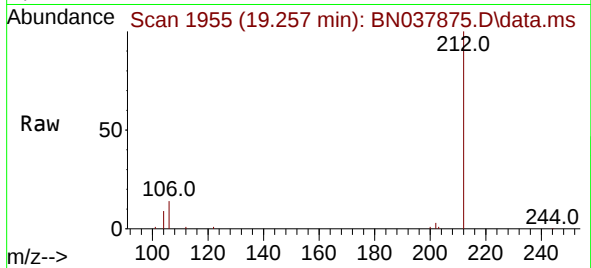




#27
Fluoranthene-d10
Concen: 0.457 ng
RT: 19.257 min Scan# 1955
Delta R.T. 0.005 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

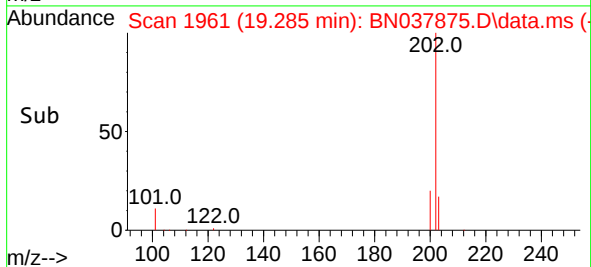
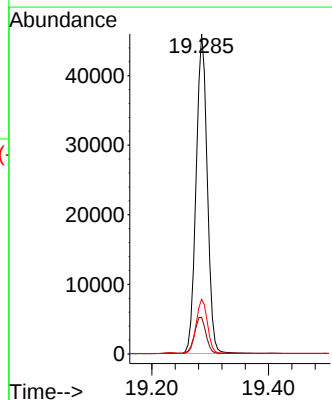
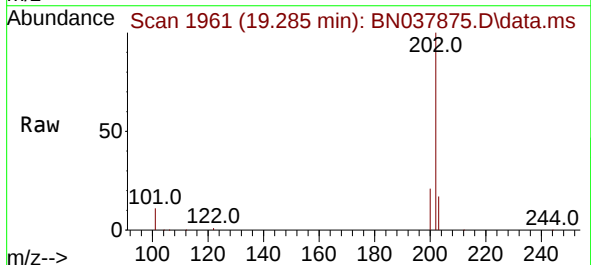
Instrument :
BNA_N
ClientSampleId :

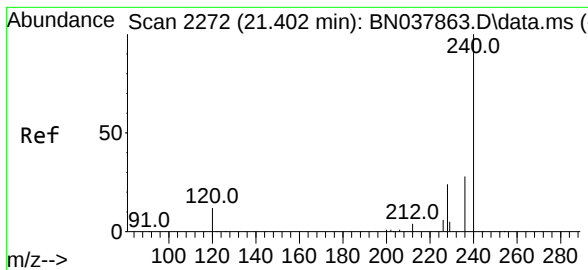
Tgt Ion:212 Resp: 16255
Ion Ratio Lower Upper
212 100
106 15.7 12.6 19.0
104 9.4 7.4 11.0



#28
Fluoranthene
Concen: 1.182 ng
RT: 19.285 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

Tgt Ion:202 Resp: 60612
Ion Ratio Lower Upper
202 100
101 11.7 9.3 13.9
203 17.1 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.402 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037875.D

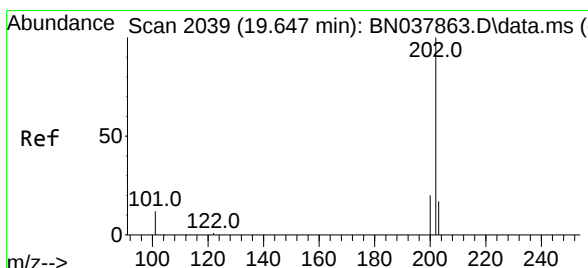
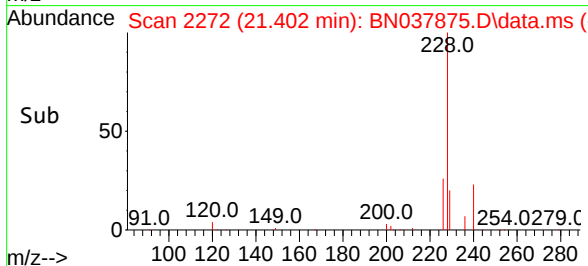
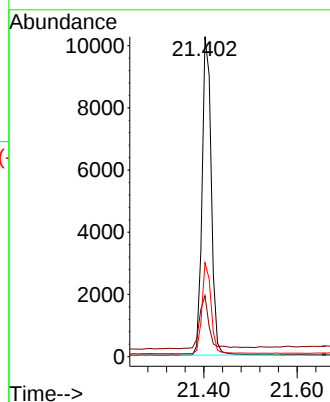
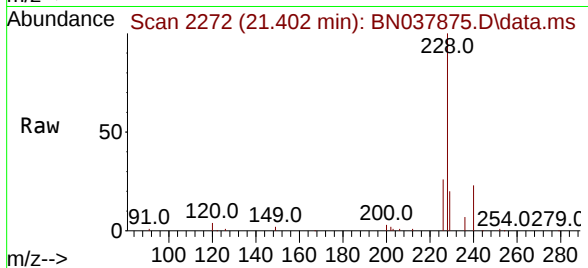
Acq: 24 Sep 2025 14:12

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:	240	Resp:	14100
Ion Ratio	Lower	Upper	
240	100		
120	19.1	11.4	17.2#
236	29.3	23.0	34.6



#30

Pyrene

Concen: 4.947 ng

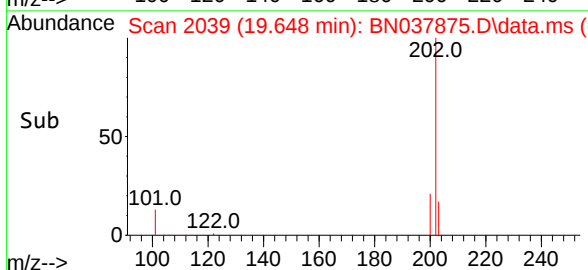
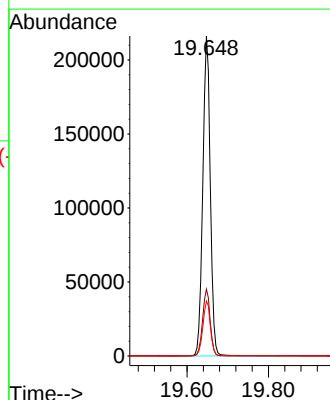
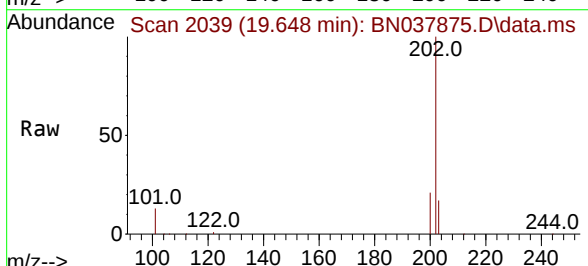
RT: 19.648 min Scan# 2039

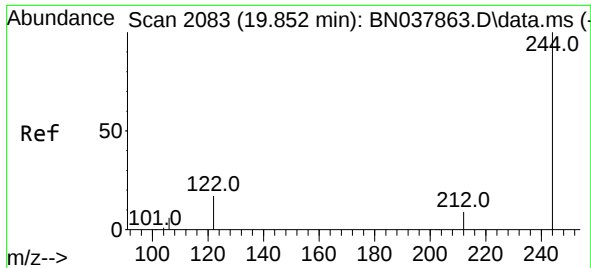
Delta R.T. 0.000 min

Lab File: BN037875.D

Acq: 24 Sep 2025 14:12

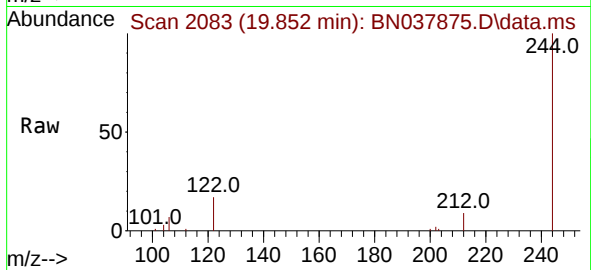
Tgt Ion:	202	Resp:	275385
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.7	25.1
203	17.3	14.2	21.4



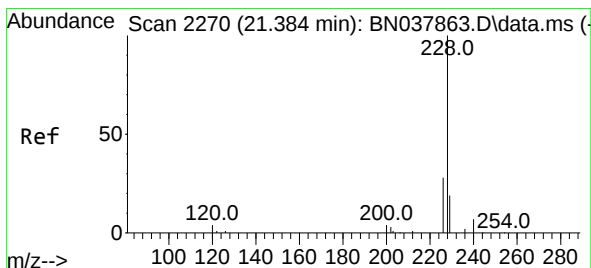
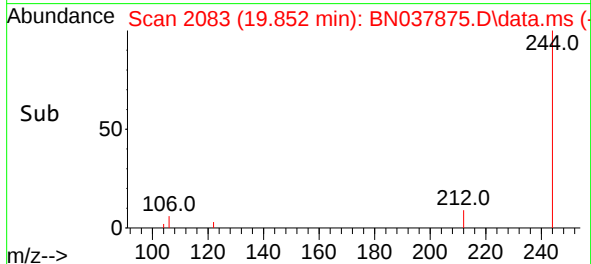
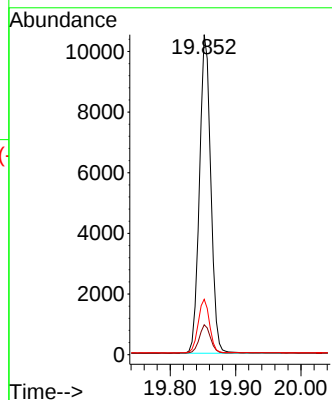


#31
 Terphenyl-d14
 Concen: 0.449 ng
 RT: 19.852 min Scan# 2083
 Delta R.T. 0.000 min
 Lab File: BN037875.D
 Acq: 24 Sep 2025 14:12

Instrument :
 BNA_N
 ClientSampleId :

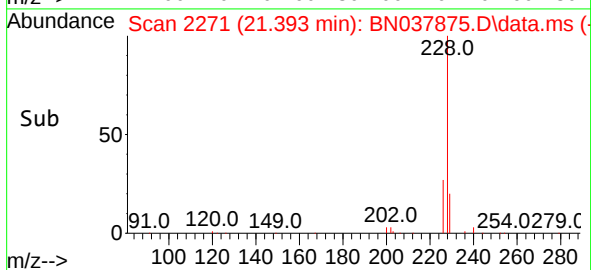
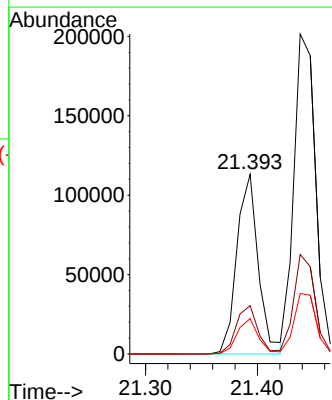
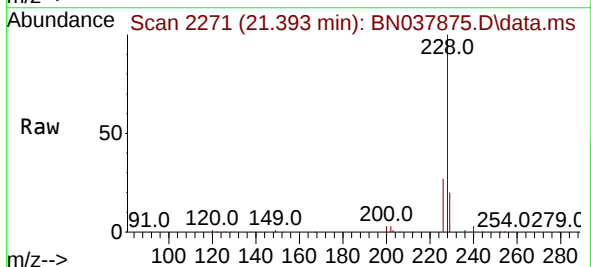


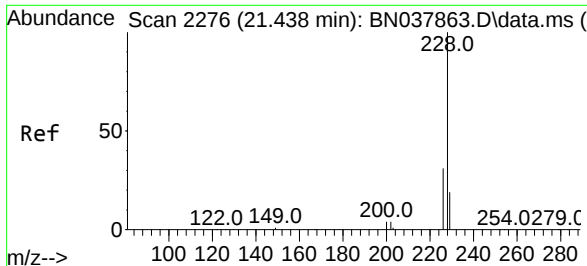
Tgt Ion:244 Resp: 12604
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.6 11.4
 122 17.3 13.9 20.9



#32
 Benzo(a)anthracene
 Concen: 3.069 ng
 RT: 21.393 min Scan# 2271
 Delta R.T. 0.009 min
 Lab File: BN037875.D
 Acq: 24 Sep 2025 14:12

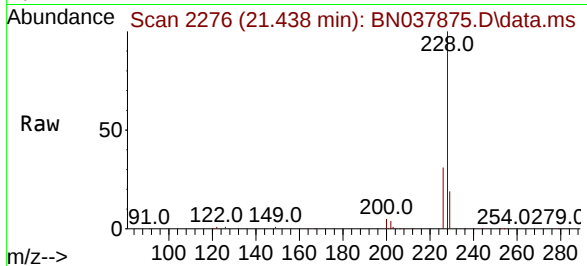
Tgt Ion:228 Resp: 151244
 Ion Ratio Lower Upper
 228 100
 226 26.9 22.6 33.8
 229 19.7 15.6 23.4



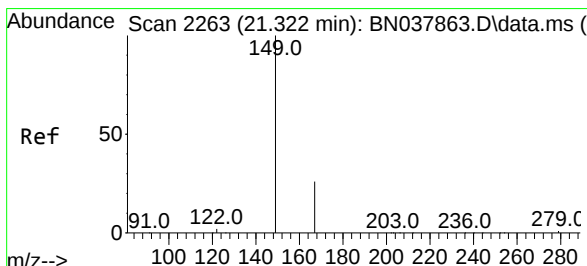
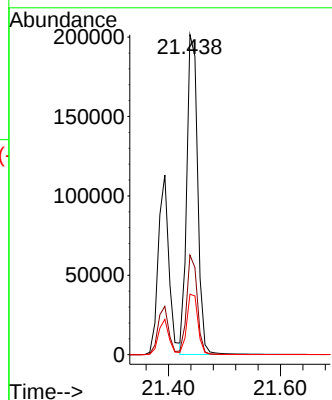
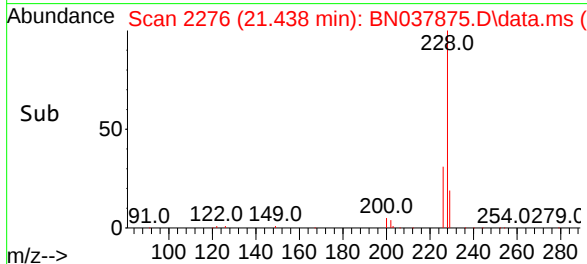


#33
Chrysene
Concen: 5.109 ng
RT: 21.438 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

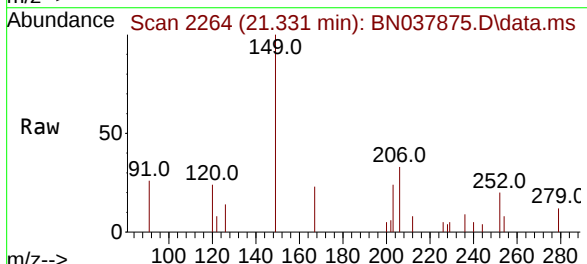
Instrument :
BNA_N
ClientSampleId :



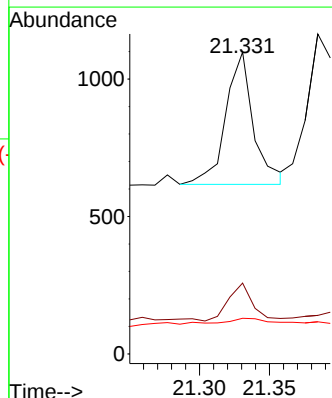
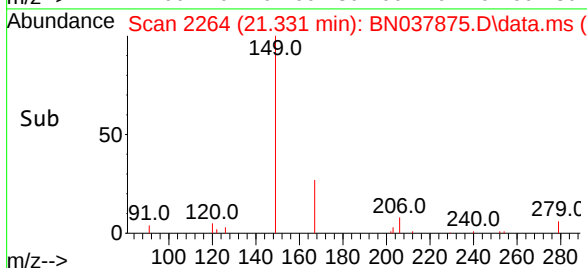
Tgt Ion:228 Resp: 272271
Ion Ratio Lower Upper
228 100
226 31.1 24.6 37.0
229 18.9 15.6 23.4

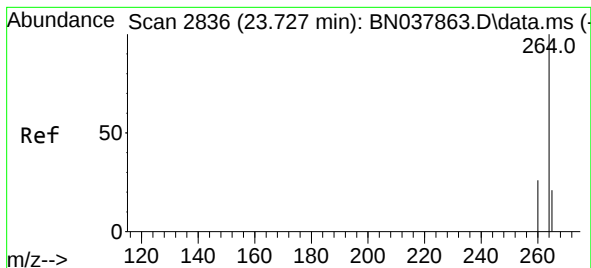


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.034 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.009 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12



Tgt Ion:149 Resp: 661
Ion Ratio Lower Upper
149 100
167 25.1 20.4 30.6
279 7.9 2.4 3.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.736 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037875.D

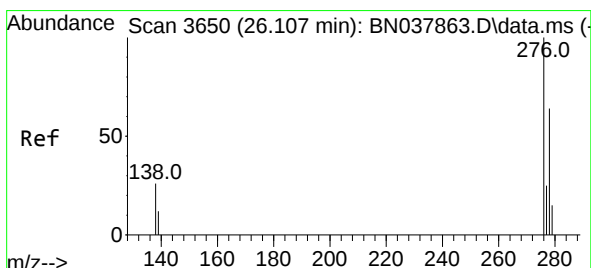
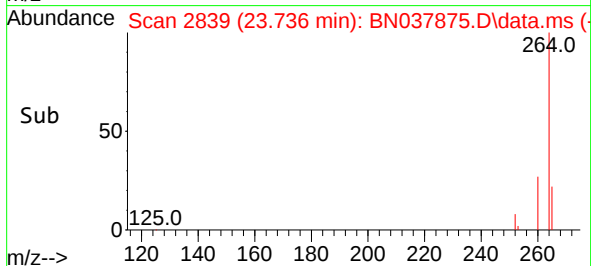
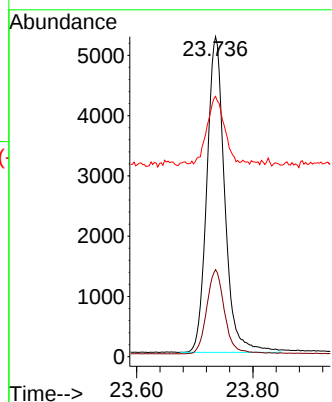
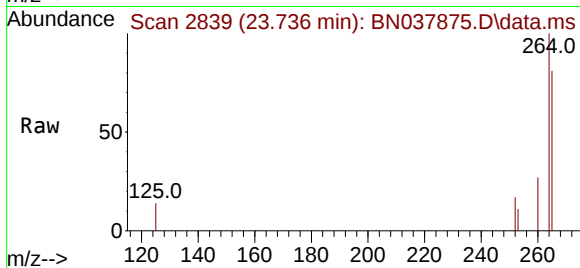
Acq: 24 Sep 2025 14:12

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:264	Resp:	11154
Ion Ratio	Lower	Upper
264	100	
260	27.2	21.5 32.3
265	81.4	53.8 80.6#



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.938 ng

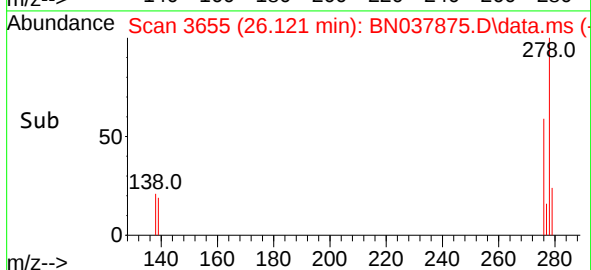
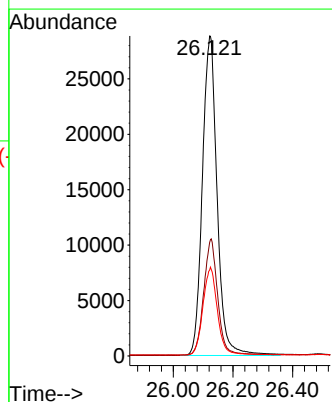
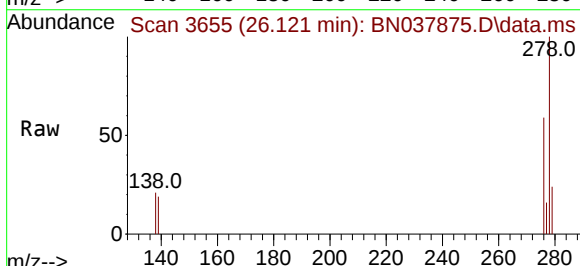
RT: 26.121 min Scan# 3655

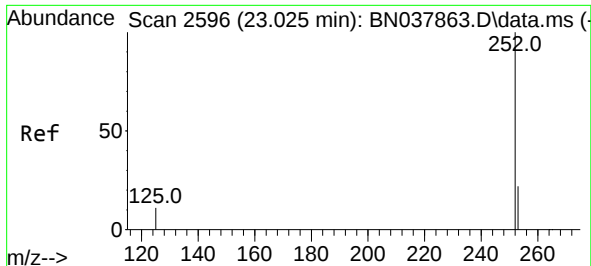
Delta R.T. 0.015 min

Lab File: BN037875.D

Acq: 24 Sep 2025 14:12

Tgt Ion:276	Resp:	98747
Ion Ratio	Lower	Upper
276	100	
138	34.4	21.4 32.0#
277	26.8	20.3 30.5





#37

Benzo(b)fluoranthene

Concen: 2.558 ng

RT: 23.031 min Scan# 21

Delta R.T. 0.006 min

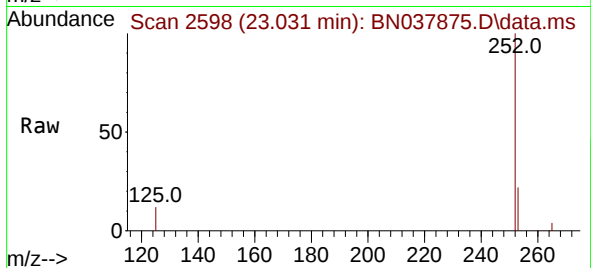
Lab File: BN037875.D

Acq: 24 Sep 2025 14:12

Instrument :

BNA_N

ClientSampleId :



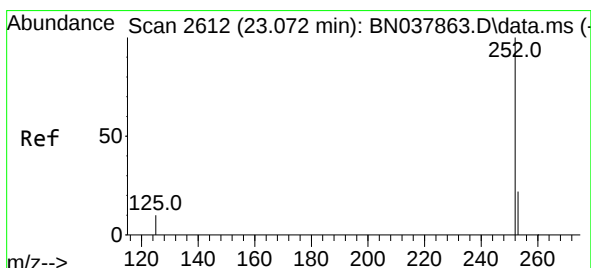
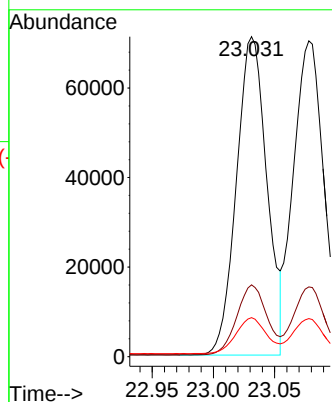
Tgt Ion:252 Resp: 123046

Ion Ratio Lower Upper

252 100

253 22.5 19.4 29.0

125 12.2 13.0 19.4#



#38

Benzo(k)fluoranthene

Concen: 2.574 ng

RT: 23.078 min Scan# 2614

Delta R.T. 0.006 min

Lab File: BN037875.D

Acq: 24 Sep 2025 14:12

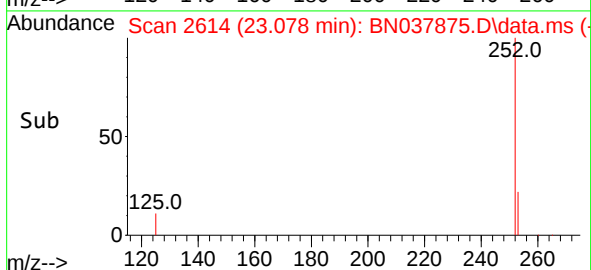
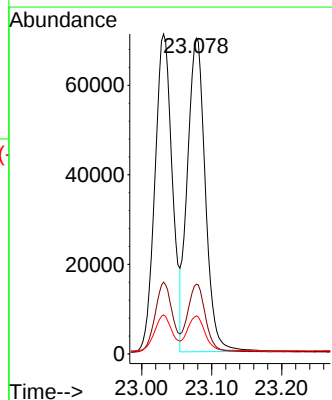
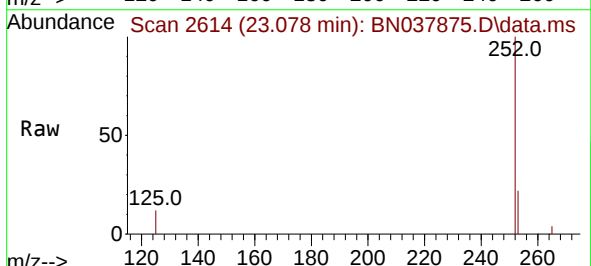
Tgt Ion:252 Resp: 124587

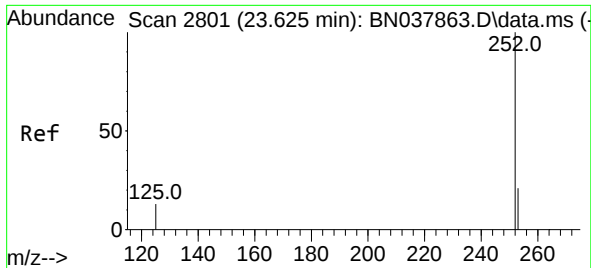
Ion Ratio Lower Upper

252 100

253 22.1 19.5 29.3

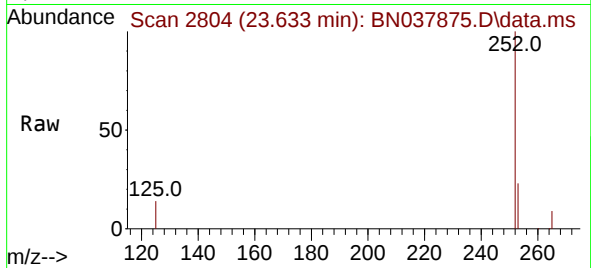
125 12.1 13.0 19.4#



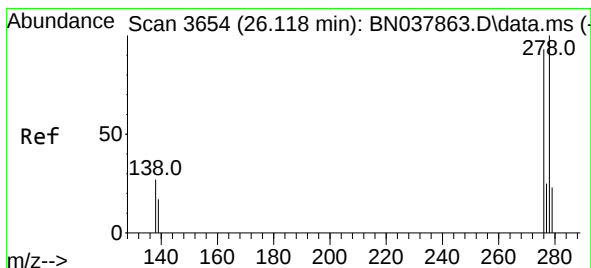
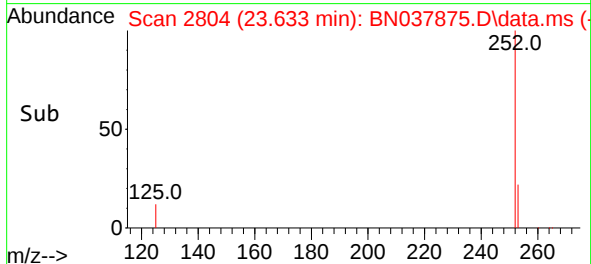
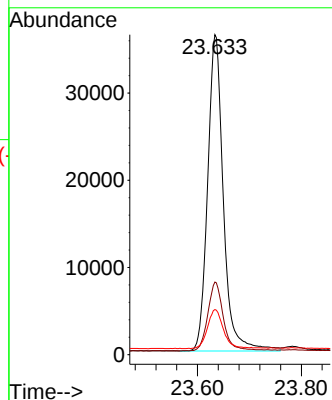


#39
Benzo(a)pyrene
Concen: 2.004 ng
RT: 23.633 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

Instrument :
BNA_N
ClientSampleId :

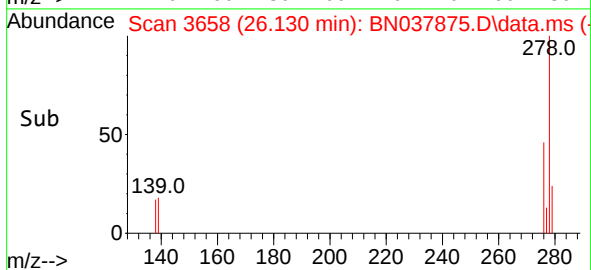
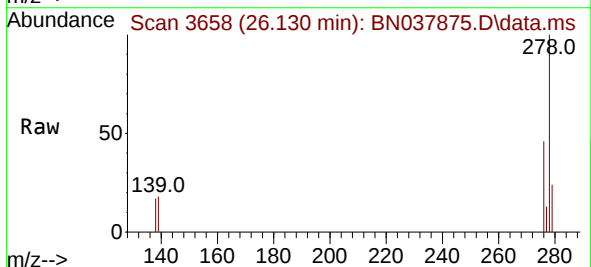
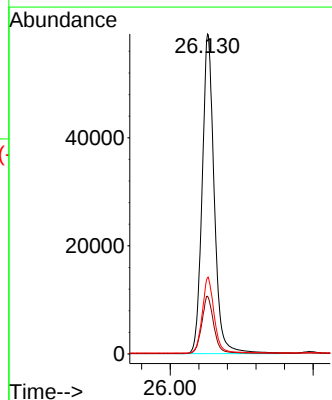


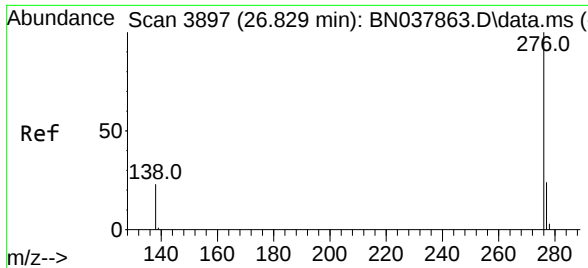
Tgt Ion:252 Resp: 76254
Ion Ratio Lower Upper
252 100
253 22.7 20.6 30.8
125 14.1 16.7 25.1#



#40
Dibenzo(a,h)anthracene
Concen: 4.363 ng
RT: 26.130 min Scan# 3658
Delta R.T. 0.012 min
Lab File: BN037875.D
Acq: 24 Sep 2025 14:12

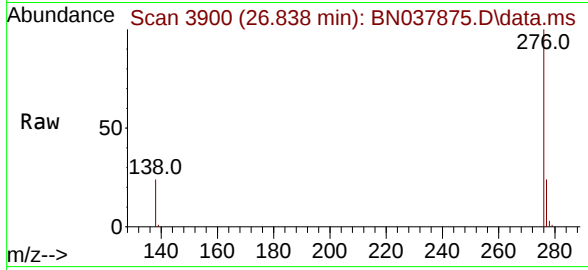
Tgt Ion:278 Resp: 173638
Ion Ratio Lower Upper
278 100
139 18.0 15.4 23.2
279 23.9 20.8 31.2





#41
 Benzo(g,h,i)perylene
 Concen: 4.154 ng
 RT: 26.838 min Scan# 3900
 Delta R.T. 0.009 min
 Lab File: BN037875.D
 Acq: 24 Sep 2025 14:12

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion:	276	Resp:	173660
Ion	Ratio	Lower	Upper
276	100		
277	23.7	20.2	30.4
138	23.5	19.8	29.8

