

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092425\
 Data File : BN037874.D
 Acq On : 24 Sep 2025 13:36
 Operator : RC/JU
 Sample : Q3015-05DL 100X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 24 14:48:01 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)

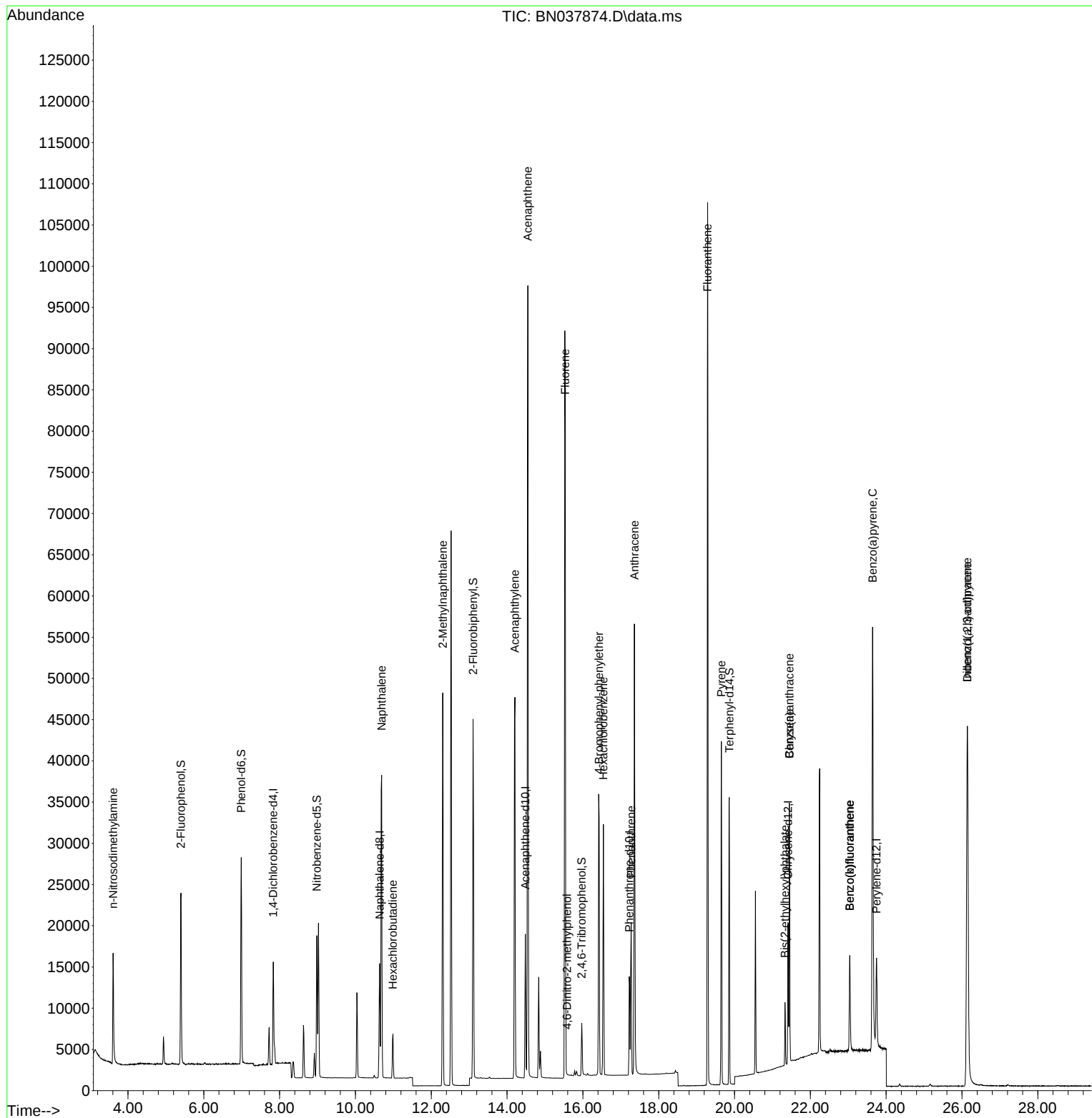
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6044	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17967	0.400	ng	0.01
13) Acenaphthene-d10	14.484	164	9123	0.400	ng	0.01
19) Phenanthrene-d10	17.223	188	17666	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	14506	0.400	ng	0.00
35) Perylene-d12	23.744	264	15057	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	18085	1.311	ng	0.01
5) Phenol-d6	6.988	99	23465	1.295	ng	0.01
8) Nitrobenzene-d5	8.982	82	12848	0.938	ng	0.01
11) 2-Methylnaphthalene-d10	12.233	152	5	0.000	ng	0.02
14) 2,4,6-Tribromophenol	15.969	330	3608	1.043	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	37276	0.998	ng	0.01
27) Fluoranthene-d10	19.262	212	8	0.000	ng	0.00
31) Terphenyl-d14	19.861	244	32937	1.140	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.608	42	8250	1.011	ng	# 91
9) Naphthalene	10.690	128	50864	1.028	ng	98
10) Hexachlorobutadiene	10.989	225	4464	0.529	ng	# 100
12) 2-Methylnaphthalene	12.304	142	33144	1.025	ng	99
16) Acenaphthylene	14.206	152	54618	1.319	ng	100
17) Acenaphthene	14.548	154	45758	1.550	ng	99
18) Fluorene	15.535	166	46849	1.312	ng	99
20) 4,6-Dinitro-2-methylph...	15.585	198	3	0.069	ng	# 1
21) 4-Bromophenyl-phenylether	16.429	248	15182	1.319	ng	# 87
22) Hexachlorobenzene	16.540	284	22620	1.621	ng	99
25) Phenanthrene	17.273	178	19206	0.330	ng	100
26) Anthracene	17.360	178	55860	1.108	ng	100
28) Fluoranthene	19.290	202	95459	1.491	ng	100
30) Pyrene	19.652	202	36553	0.638	ng	100
32) Benzo(a)anthracene	21.447	228	24793	0.489	ng	97
33) Chrysene	21.447	228	24862	0.453	ng	100
34) Bis(2-ethylhexyl)phtha...	21.331	149	7275	0.363	ng	100
36) Indeno(1,2,3-cd)pyrene	26.142	276	17588	0.256	ng	# 69
37) Benzo(b)fluoranthene	23.040	252	15926	0.245	ng	96
38) Benzo(k)fluoranthene	23.040	252	15926	0.244	ng	96
39) Benzo(a)pyrene	23.642	252	81559	1.588	ng	# 90
40) Dibenzo(a,h)anthracene	26.142	278	73494	1.368	ng	97

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

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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
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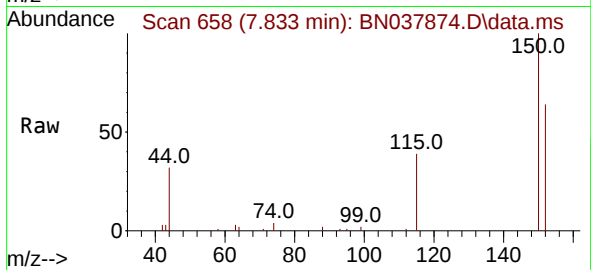
Quant Time: Sep 24 14:48:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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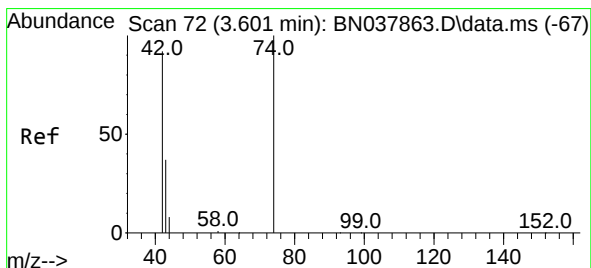
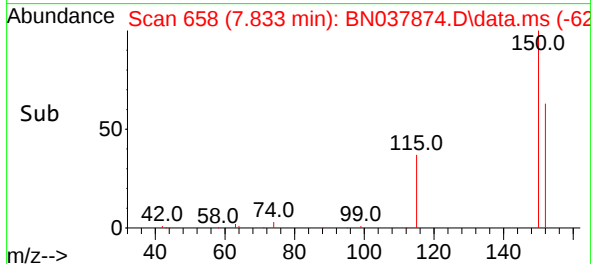
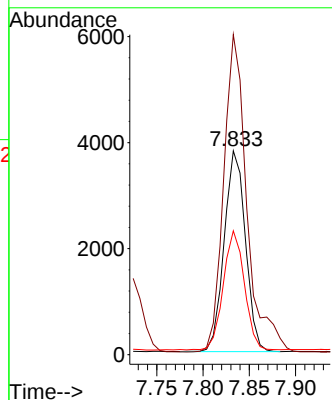


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 61
Delta R.T. 0.008 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Instrument :
BNA_N
ClientSampleId :

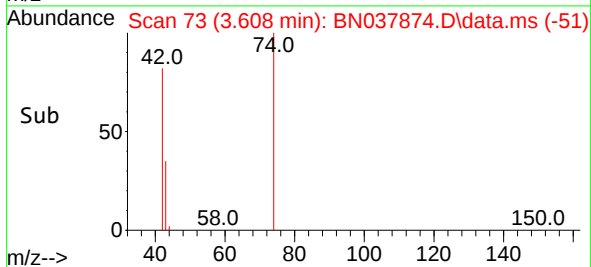
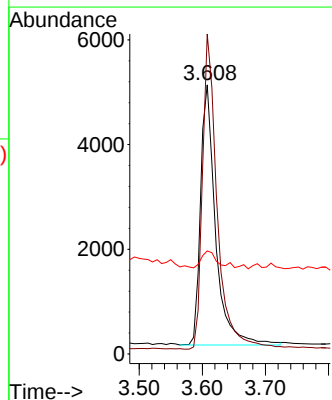
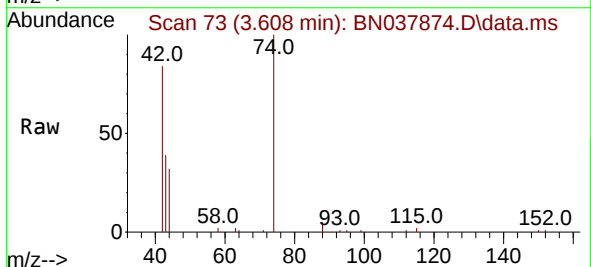


Tgt Ion:152 Resp: 6044
Ion Ratio Lower Upper
152 100
150 157.0 121.0 181.4
115 60.7 47.4 71.0



#3
n-Nitrosodimethylamine
Concen: 1.011 ng
RT: 3.608 min Scan# 73
Delta R.T. 0.007 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion: 42 Resp: 8250
Ion Ratio Lower Upper
42 100
74 118.8 93.4 140.0
44 6.7 22.2 33.4#





#4

2-Fluorophenol

Concen: 1.311 ng

RT: 5.399 min Scan# 31

Delta R.T. 0.014 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

Instrument :

BNA_N

ClientSampleId :

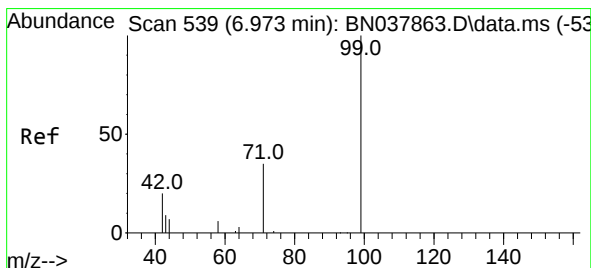
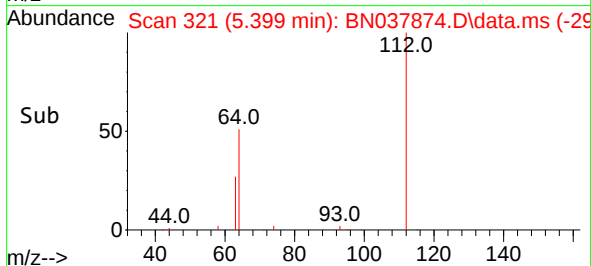
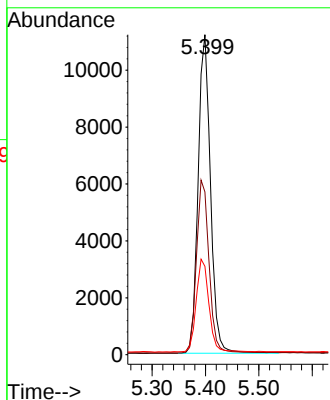
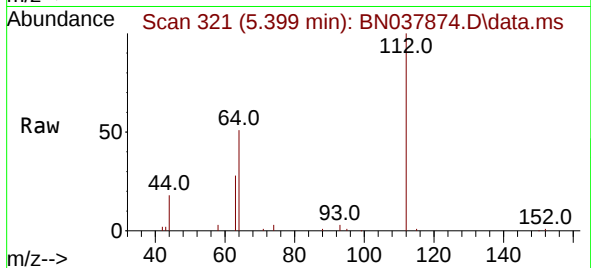
Tgt Ion:112 Resp: 18085

Ion Ratio Lower Upper

112 100

64 55.2 44.6 66.8

63 30.0 24.9 37.3



#5

Phenol-d6

Concen: 1.295 ng

RT: 6.988 min Scan# 541

Delta R.T. 0.014 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

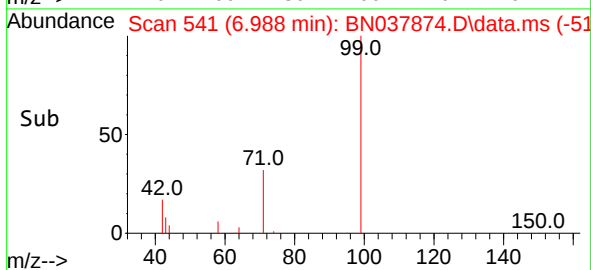
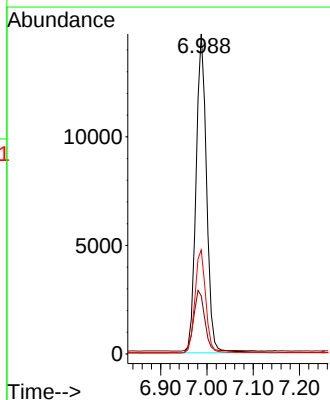
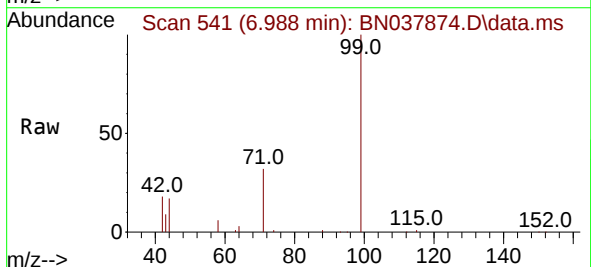
Tgt Ion: 99 Resp: 23465

Ion Ratio Lower Upper

99 100

42 19.6 17.2 25.8

71 32.8 27.3 40.9

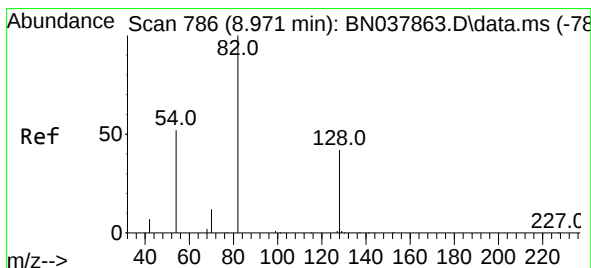
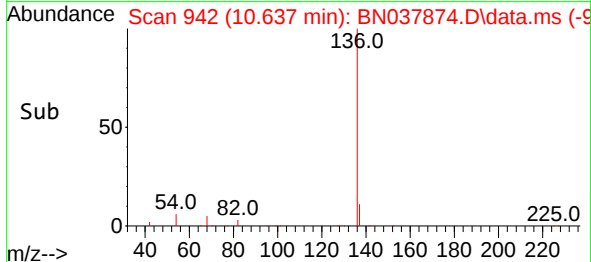
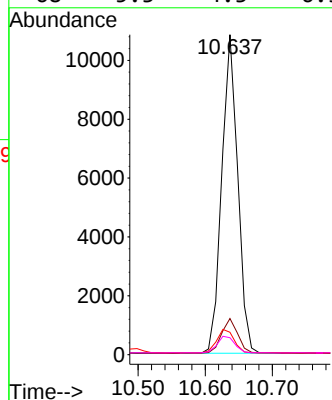
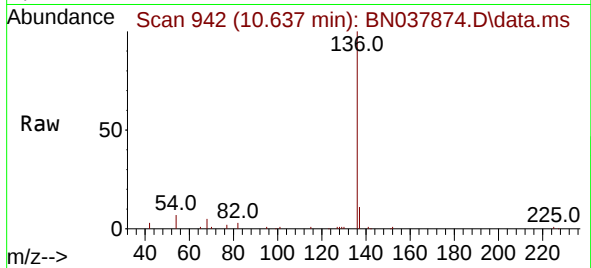




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 941
Delta R.T. 0.011 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

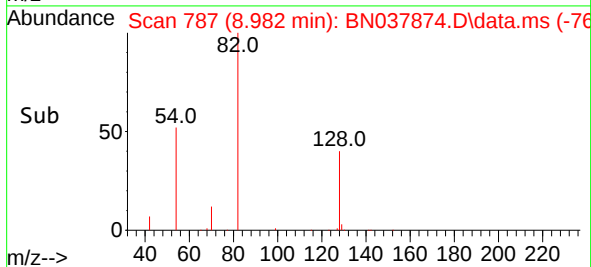
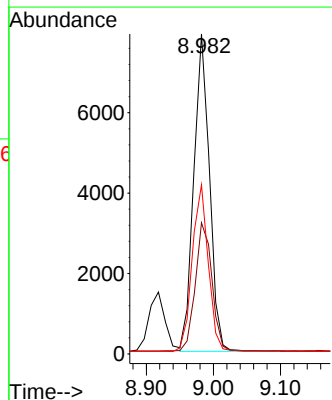
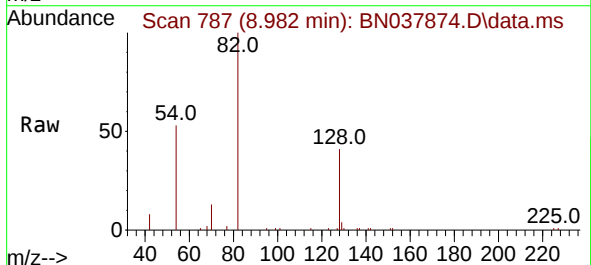
Instrument :
BNA_N
ClientSampleId :

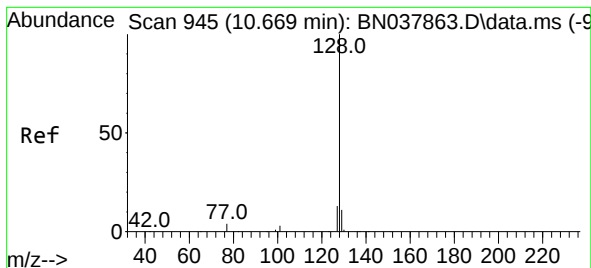
Tgt Ion:136	Resp:	17967
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.0 13.4
54	7.0	5.8 8.8
68	5.3	4.3 6.5



#8
Nitrobenzene-d5
Concen: 0.938 ng
RT: 8.982 min Scan# 787
Delta R.T. 0.011 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion: 82	Resp:	12848
Ion Ratio	Lower	Upper
82	100	
128	41.0	34.8 52.2
54	52.9	42.2 63.2





#9

Naphthalene

Concen: 1.028 ng

RT: 10.690 min Scan# 94

Delta R.T. 0.021 min

Lab File: BN037874.D

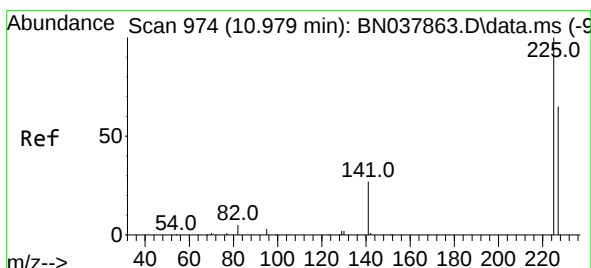
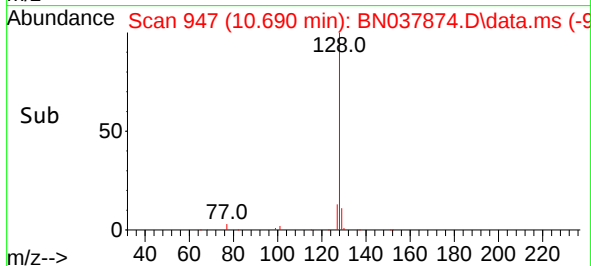
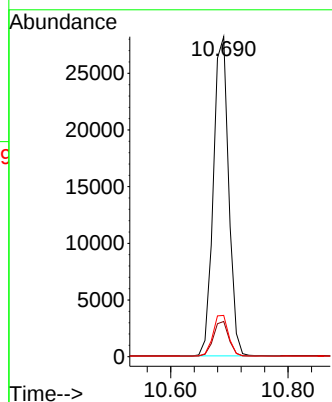
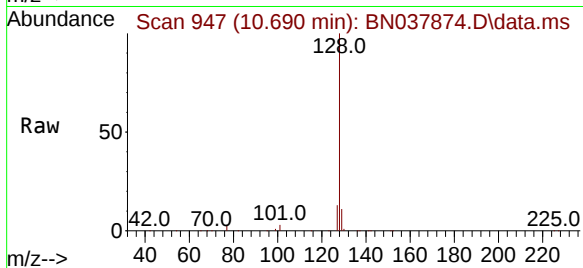
Acq: 24 Sep 2025 13:36

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:	128	Resp:	50864
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.2	13.8
127	12.9	11.0	16.6



#10

Hexachlorobutadiene

Concen: 0.529 ng

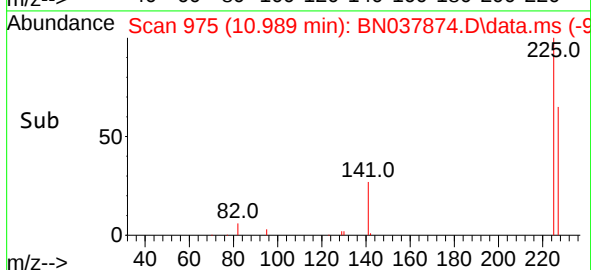
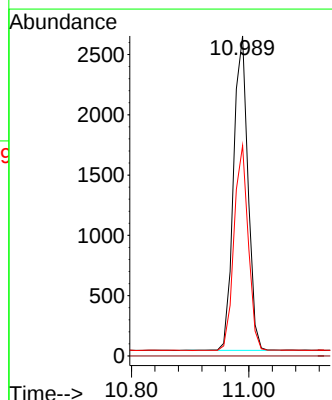
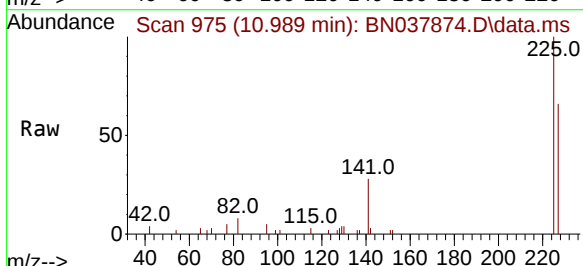
RT: 10.989 min Scan# 975

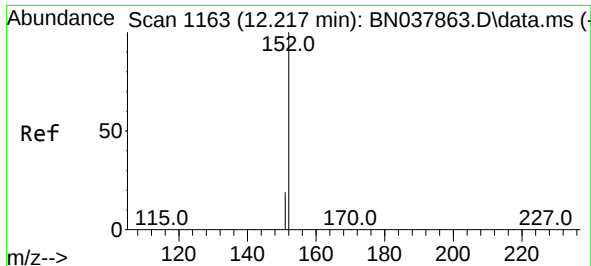
Delta R.T. 0.011 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

Tgt Ion:	225	Resp:	4464
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	64.2	51.4	77.2

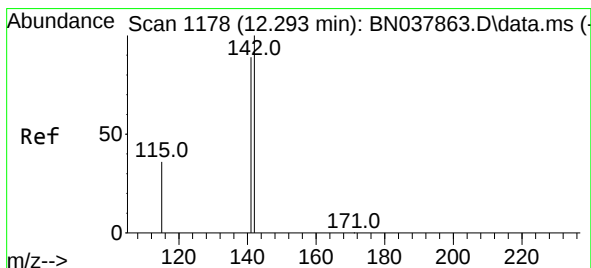
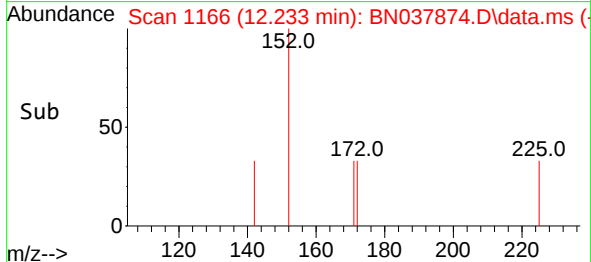
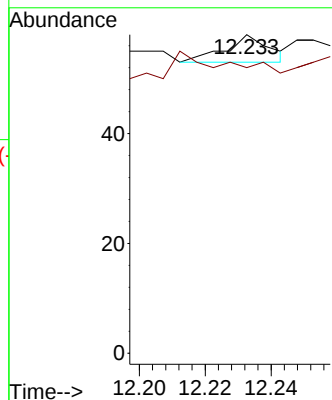
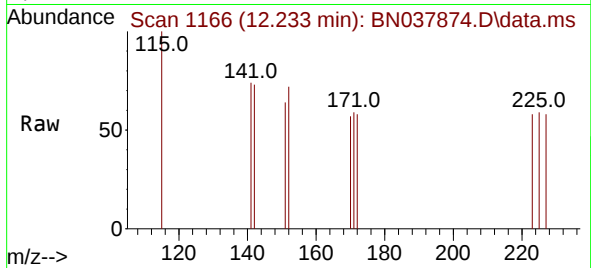




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.233 min Scan# 1163
Delta R.T. 0.015 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

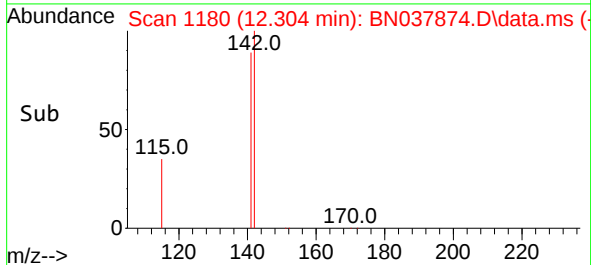
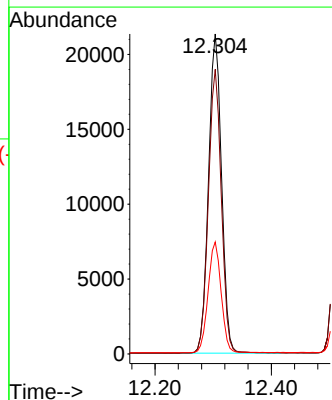
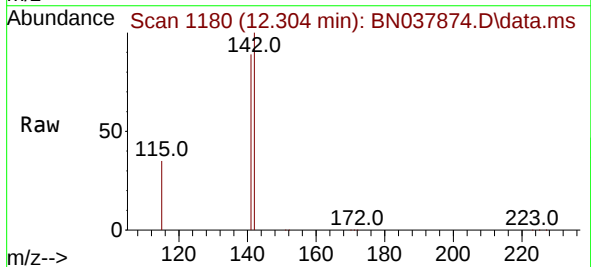
Instrument :
BNA_N
ClientSampleId :

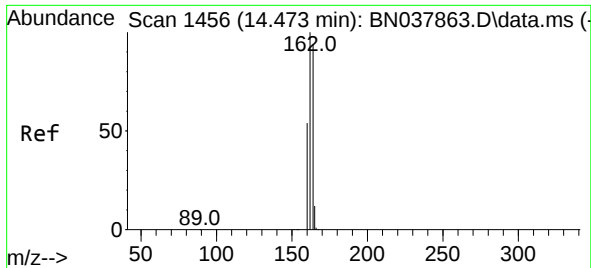
Tgt Ion:152 Resp: 5
Ion Ratio Lower Upper
152 100
151 0.0 17.4 26.2#



#12
2-Methylnaphthalene
Concen: 1.025 ng
RT: 12.304 min Scan# 1180
Delta R.T. 0.010 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

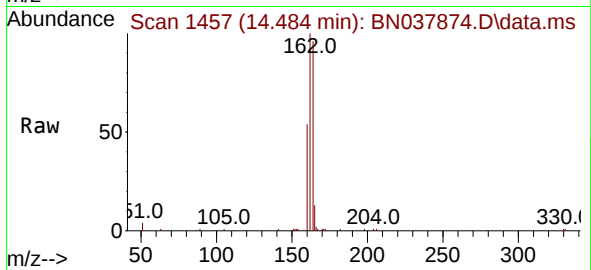
Tgt Ion:142 Resp: 33144
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8
115 35.0 29.7 44.5



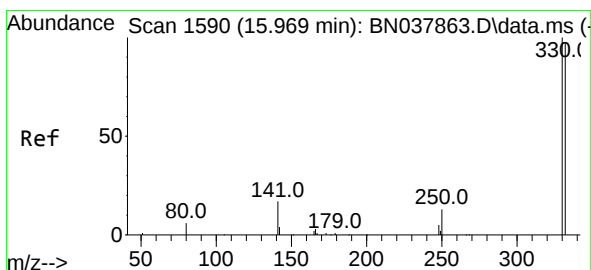
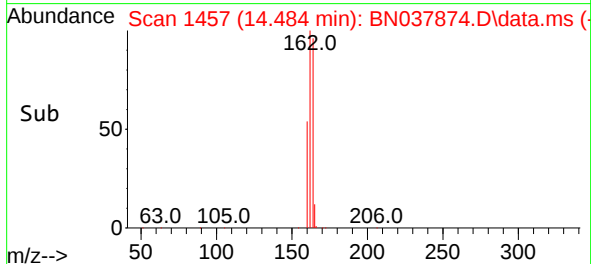
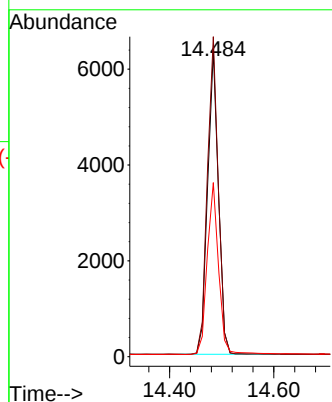


#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.484 min Scan# 1456
 Delta R.T. 0.011 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Instrument :
 BNA_N
 ClientSampleId :

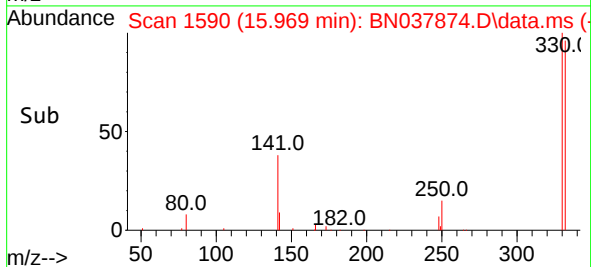
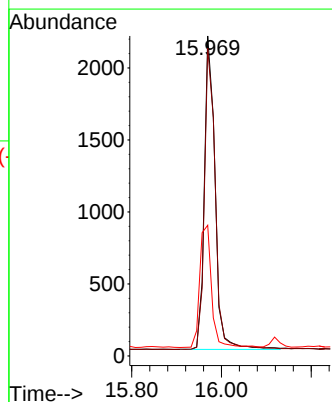
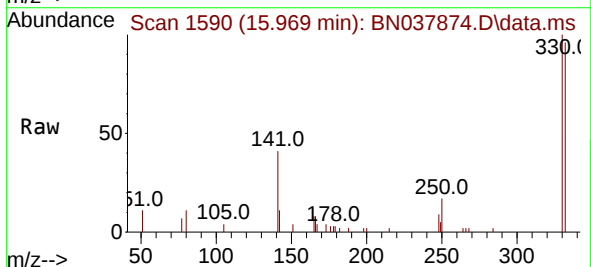


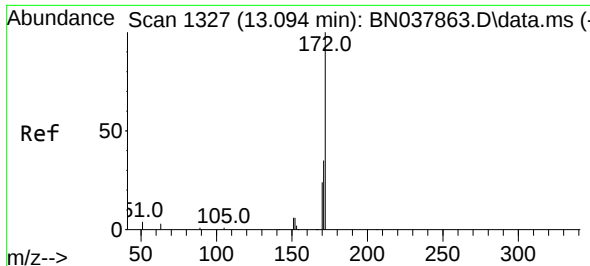
Tgt Ion:164 Resp: 9123
 Ion Ratio Lower Upper
 164 100
 162 104.5 84.8 127.2
 160 56.9 46.1 69.1



#14
 2,4,6-Tribromophenol
 Concen: 1.043 ng
 RT: 15.969 min Scan# 1590
 Delta R.T. 0.000 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Tgt Ion:330 Resp: 3608
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.2 115.8
 141 43.2 37.2 55.8

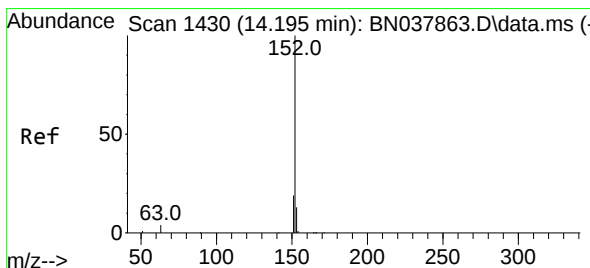
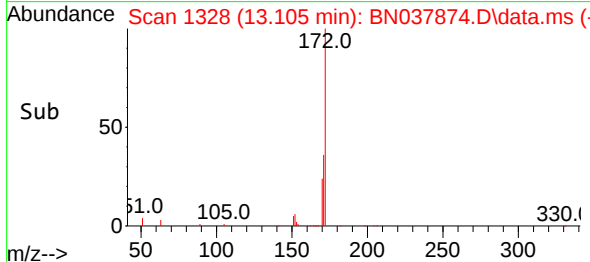
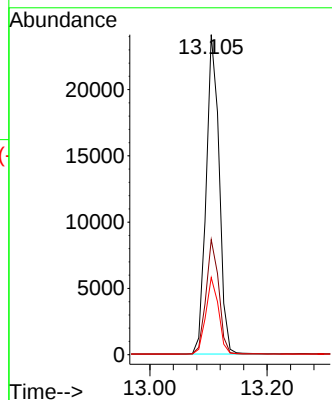
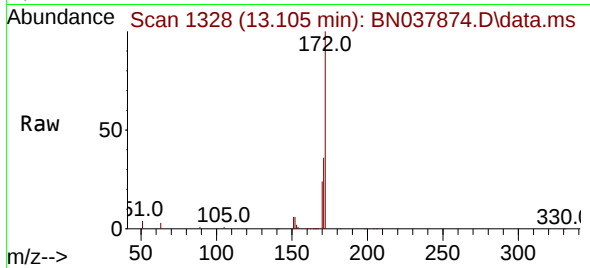




#15
2-Fluorobiphenyl
Concen: 0.998 ng
RT: 13.105 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

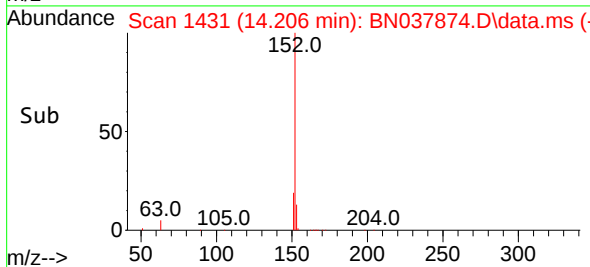
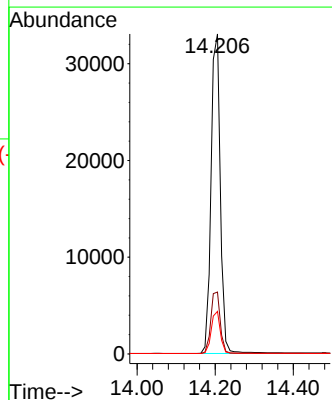
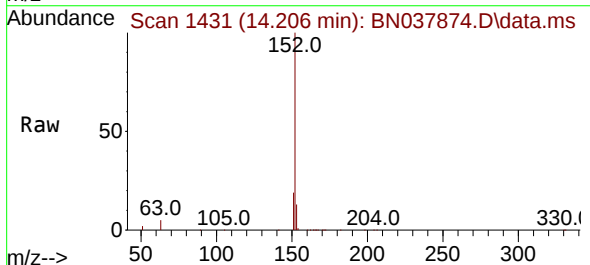
Instrument :
BNA_N
ClientSampleId :

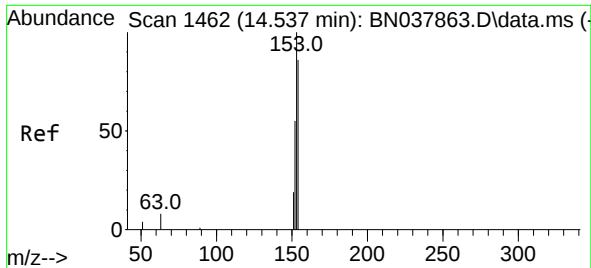
Tgt Ion:172 Resp: 37276
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.1 19.7 29.5



#16
Acenaphthylene
Concen: 1.319 ng
RT: 14.206 min Scan# 1431
Delta R.T. 0.011 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

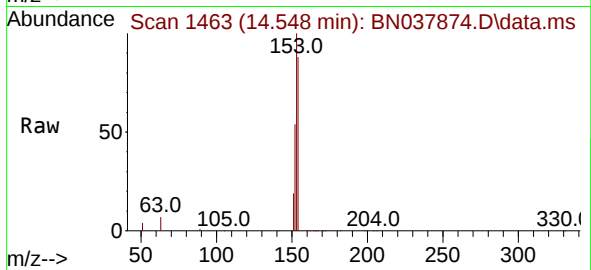
Tgt Ion:152 Resp: 54618
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 13.0 10.5 15.7



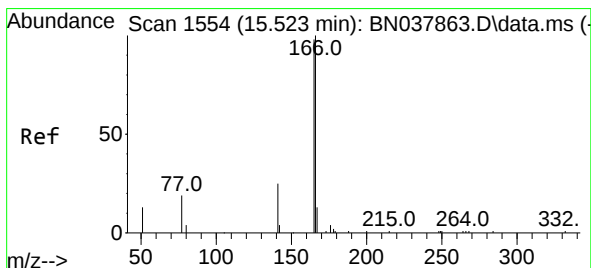
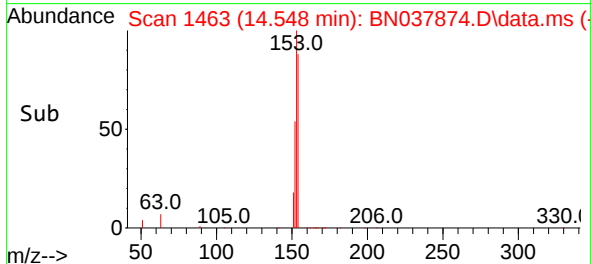
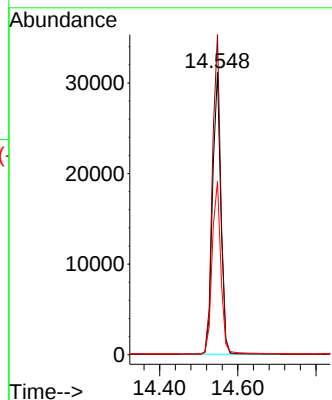


#17
 Acenaphthene
 Concen: 1.550 ng
 RT: 14.548 min Scan# 14
 Delta R.T. 0.011 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Instrument :
 BNA_N
 ClientSampleId :

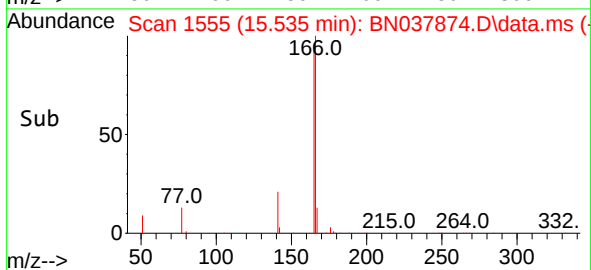
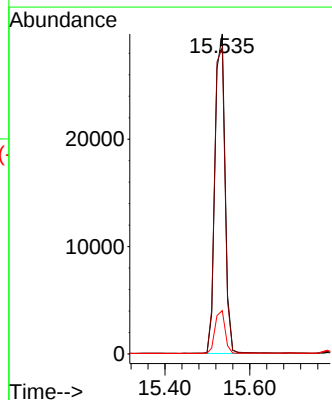
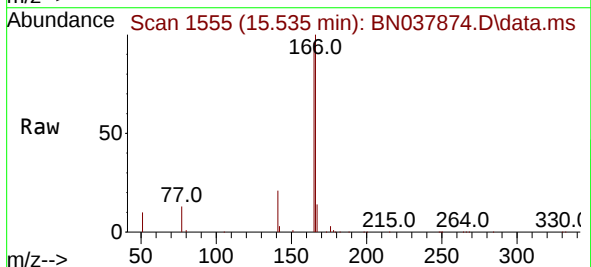


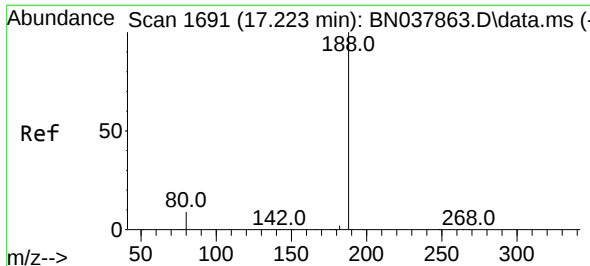
Tgt Ion:154 Resp: 45758
 Ion Ratio Lower Upper
 154 100
 153 114.3 90.5 135.7
 152 64.6 51.8 77.8



#18
 Fluorene
 Concen: 1.312 ng
 RT: 15.535 min Scan# 1555
 Delta R.T. 0.012 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Tgt Ion:166 Resp: 46849
 Ion Ratio Lower Upper
 166 100
 165 98.1 79.0 118.4
 167 13.4 10.6 16.0

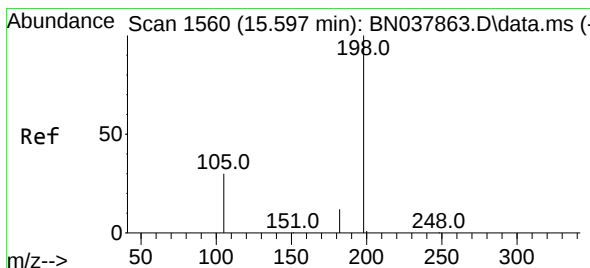
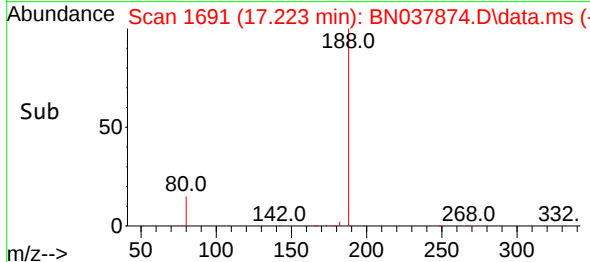
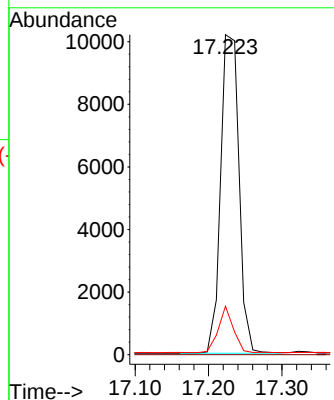
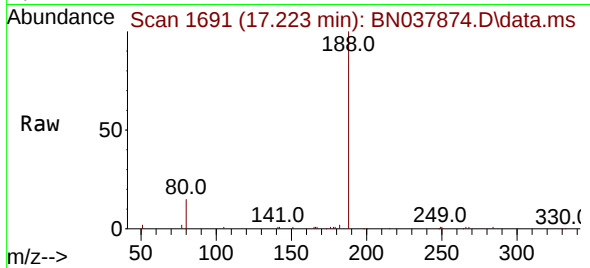




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

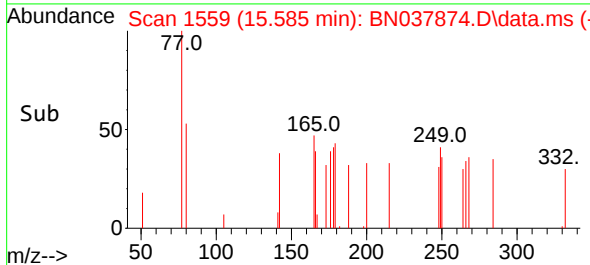
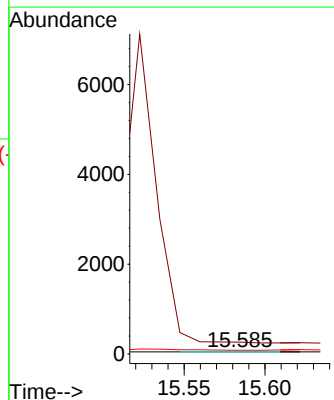
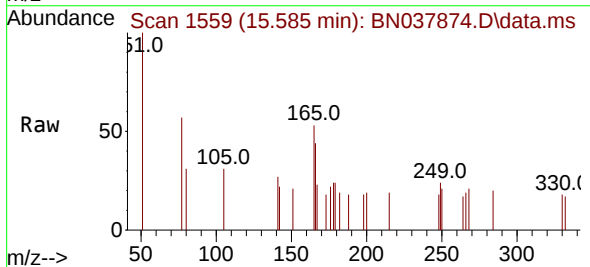
Instrument :
BNA_N
ClientSampleId :

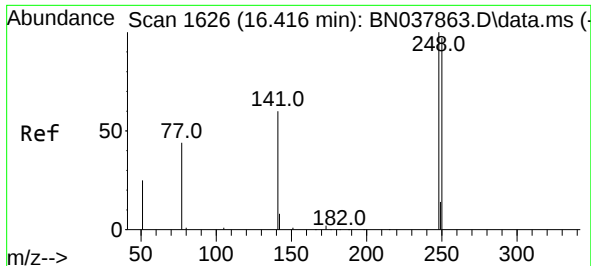
Tgt Ion:188 Resp: 17666
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.2 7.6 11.4#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.069 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion:198 Resp: 3
Ion Ratio Lower Upper
198 100
51 545.8 59.1 88.7#
105 170.8 41.3 61.9#

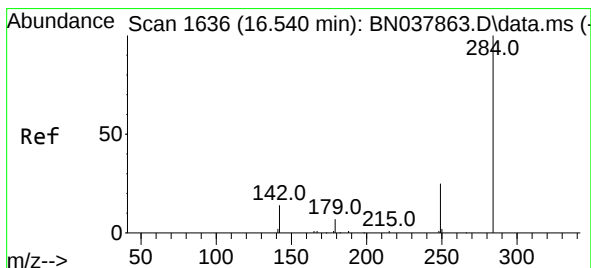
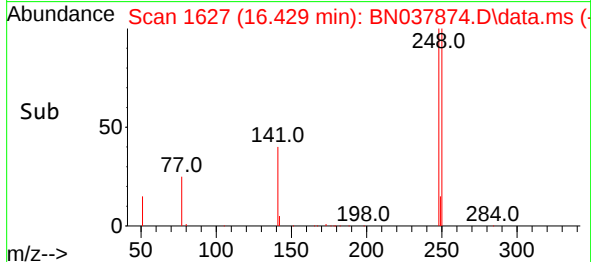
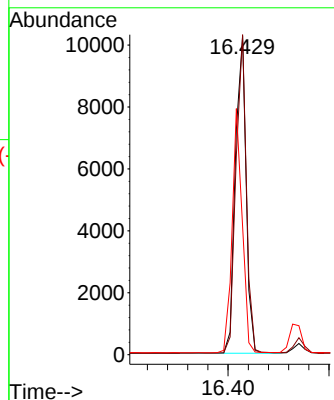
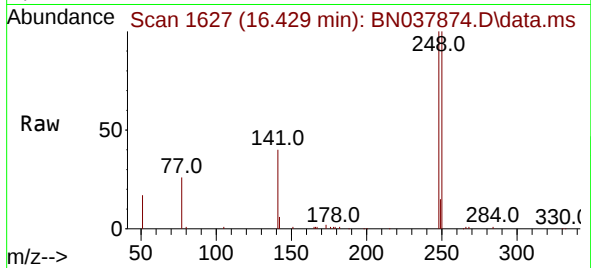




#21
4-Bromophenyl-phenylether
Concen: 1.319 ng
RT: 16.429 min Scan# 1627
Delta R.T. 0.012 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

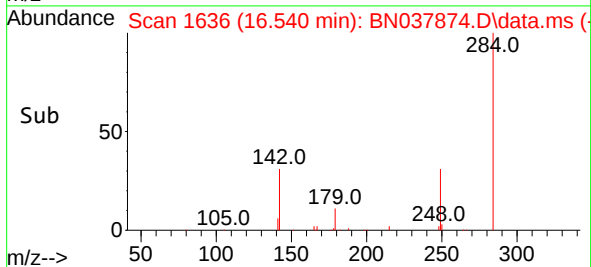
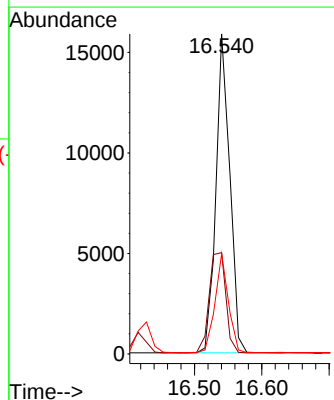
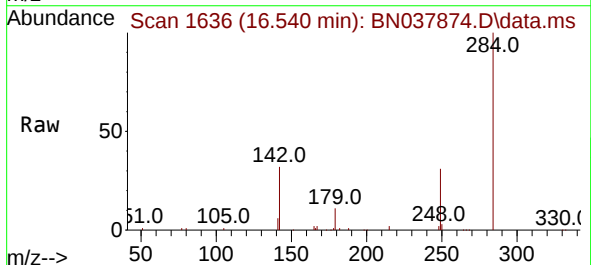
Instrument :
BNA_N
ClientSampleId :

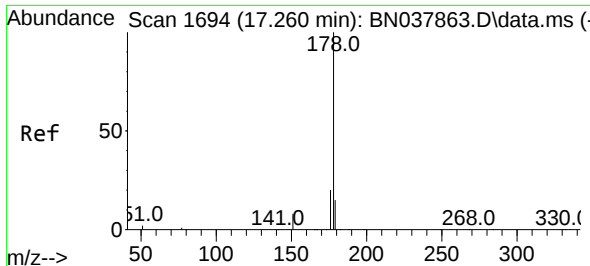
Tgt Ion:248 Resp: 15182
Ion Ratio Lower Upper
248 100
250 100.5 77.6 116.4
141 40.3 48.8 73.2#



#22
Hexachlorobenzene
Concen: 1.621 ng
RT: 16.540 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion:284 Resp: 22620
Ion Ratio Lower Upper
284 100
142 37.7 30.9 46.3
249 29.8 23.9 35.9

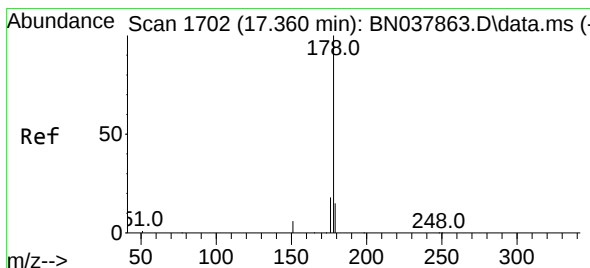
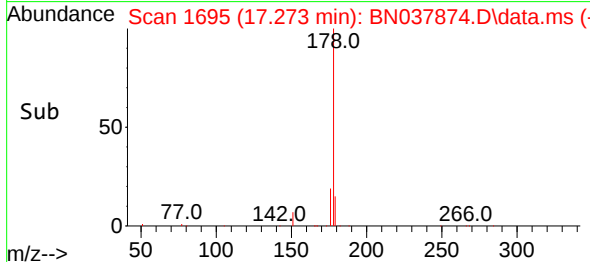
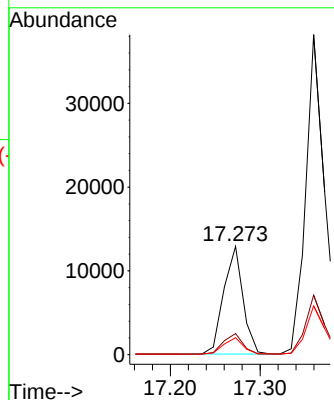
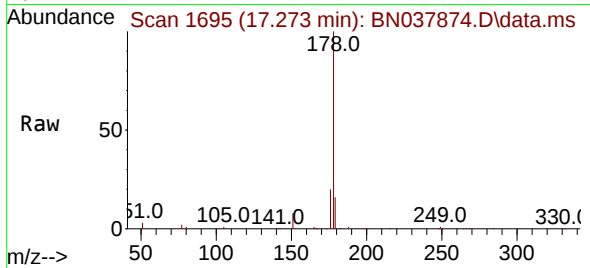




#25
Phenanthrene
Concen: 0.330 ng
RT: 17.273 min Scan# 1694
Delta R.T. 0.012 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

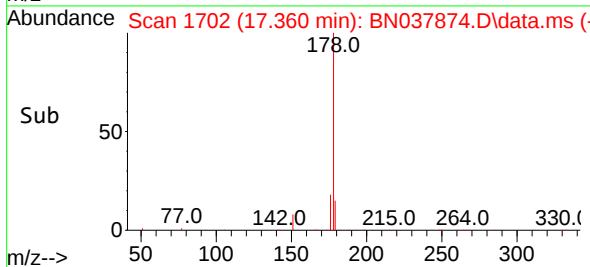
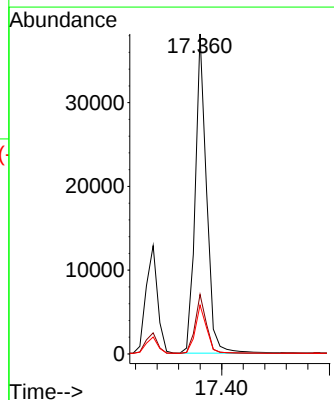
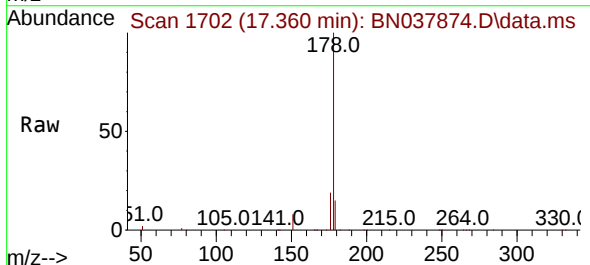
Instrument :
BNA_N
ClientSampleId :

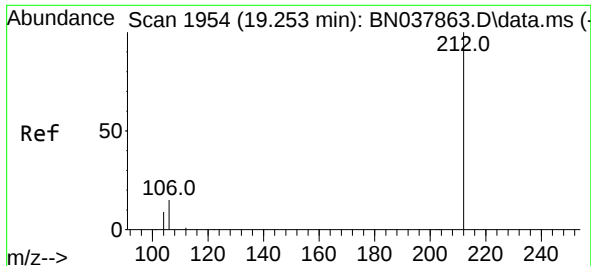
Tgt Ion:178 Resp: 19206
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.4 12.3 18.5



#26
Anthracene
Concen: 1.108 ng
RT: 17.360 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

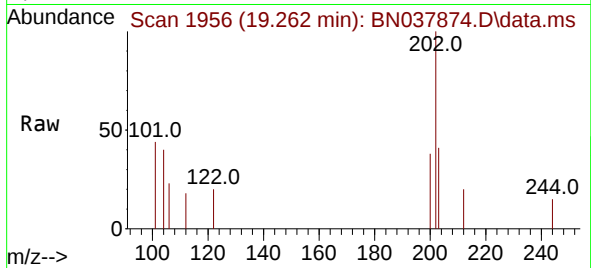
Tgt Ion:178 Resp: 55860
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.3 12.3 18.5



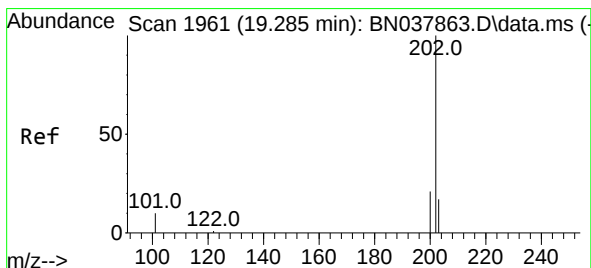
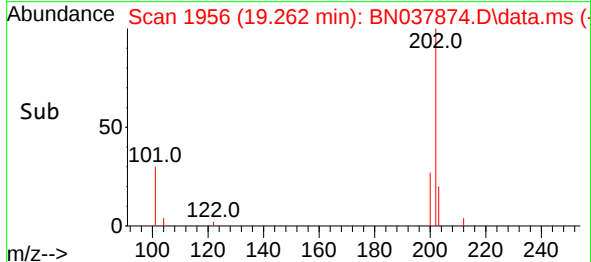
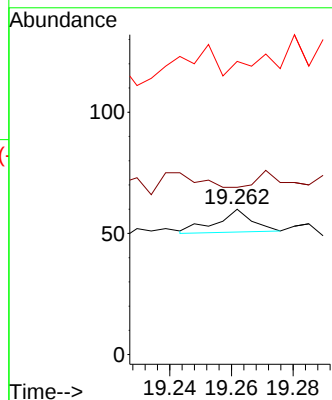


#27
Fluoranthene-d10
Concen: 0.000 ng
RT: 19.262 min Scan# 1956
Delta R.T. 0.009 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Instrument :
BNA_N
ClientSampleId :

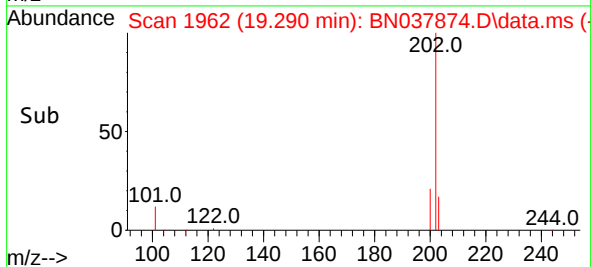
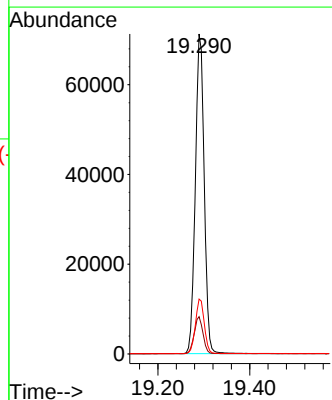
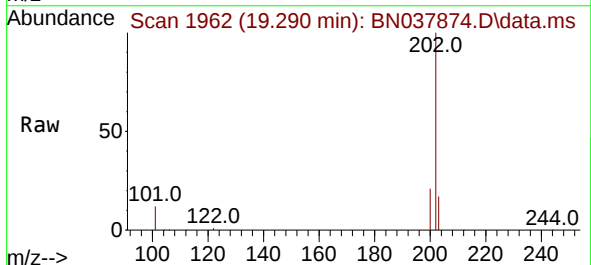


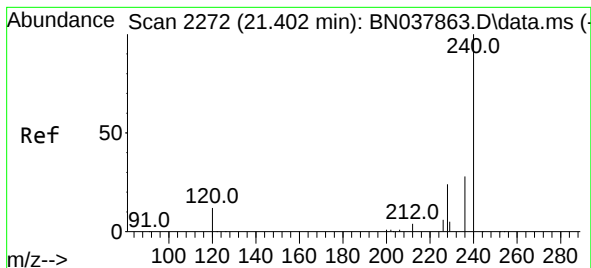
Tgt Ion:212 Resp: 8
Ion Ratio Lower Upper
212 100
106 62.5 12.6 19.0#
104 175.0 7.4 11.0#



#28
Fluoranthene
Concen: 1.491 ng
RT: 19.290 min Scan# 1962
Delta R.T. 0.005 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion:202 Resp: 95459
Ion Ratio Lower Upper
202 100
101 11.4 9.3 13.9
203 17.1 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

Instrument :

BNA_N

ClientSampleId :

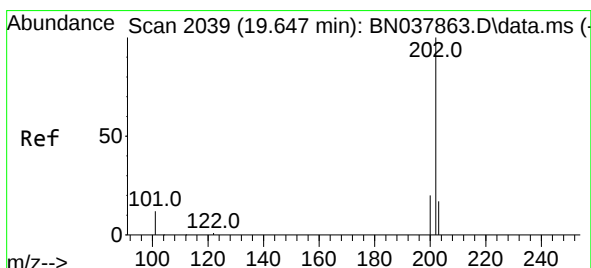
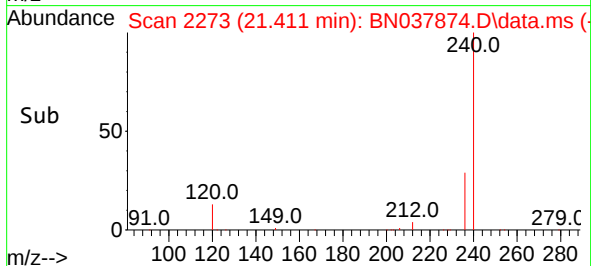
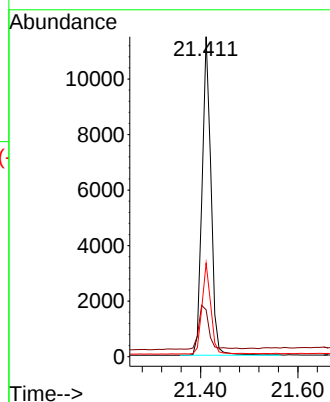
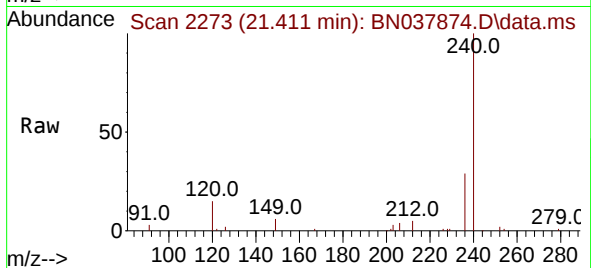
Tgt Ion:240 Resp: 14506

Ion Ratio Lower Upper

240 100

120 14.7 11.4 17.2

236 29.2 23.0 34.6



#30

Pyrene

Concen: 0.638 ng

RT: 19.652 min Scan# 2040

Delta R.T. 0.005 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

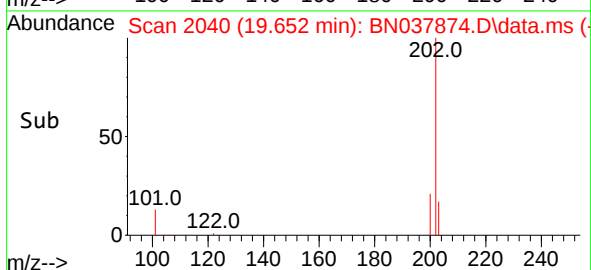
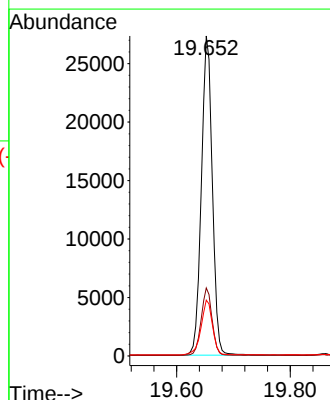
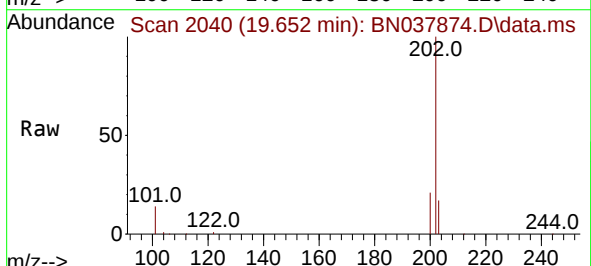
Tgt Ion:202 Resp: 36553

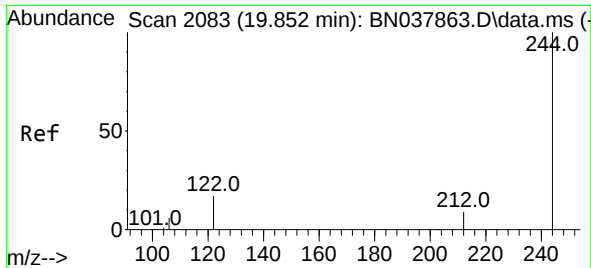
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

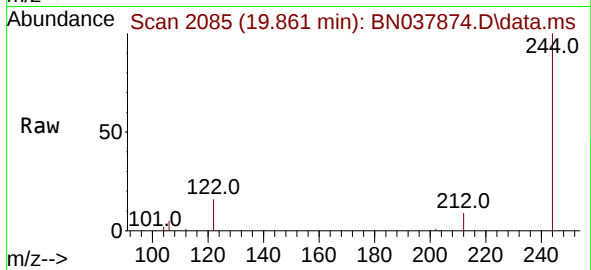
203 17.8 14.2 21.4



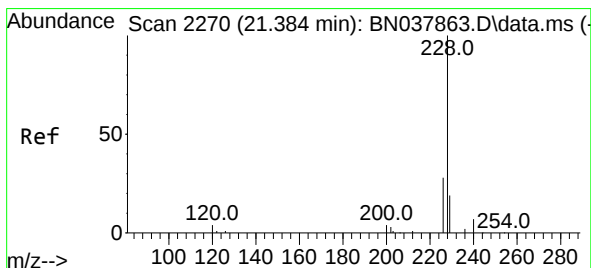
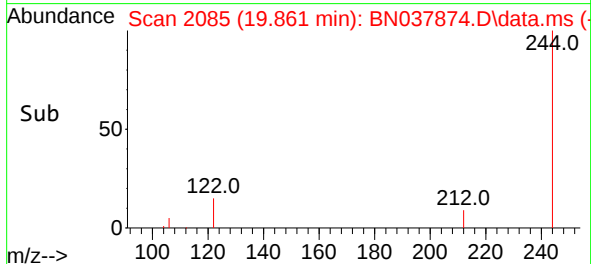
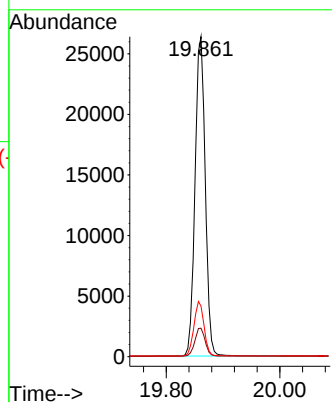


#31
 Terphenyl-d14
 Concen: 1.140 ng
 RT: 19.861 min Scan# 2085
 Delta R.T. 0.009 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Instrument :
 BNA_N
 ClientSampleId :

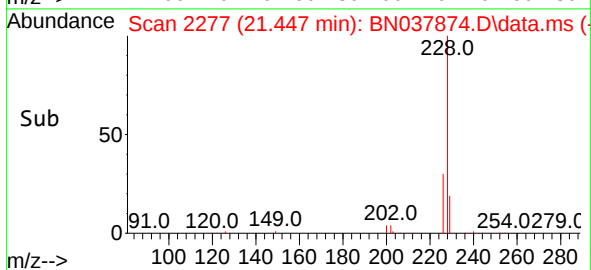
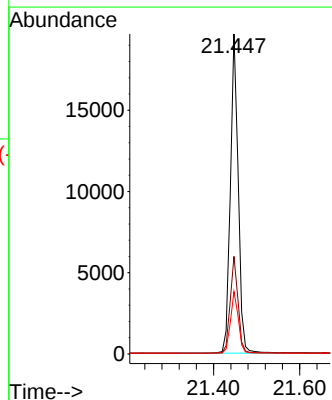
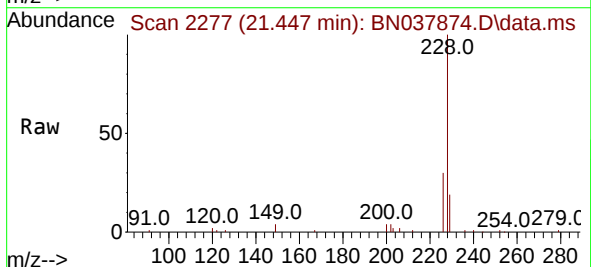


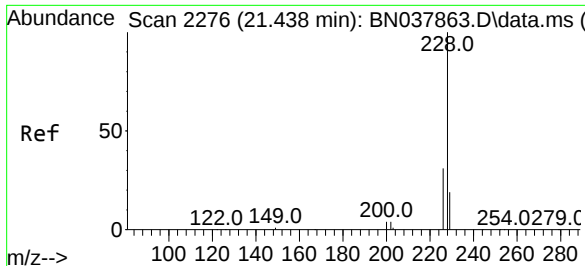
Tgt Ion:244 Resp: 32937
 Ion Ratio Lower Upper
 244 100
 212 8.9 7.6 11.4
 122 15.8 13.9 20.9



#32
 Benzo(a)anthracene
 Concen: 0.489 ng
 RT: 21.447 min Scan# 2277
 Delta R.T. 0.063 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Tgt Ion:228 Resp: 24793
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 19.5 15.6 23.4





#33

Chrysene

Concen: 0.453 ng

RT: 21.447 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

Instrument :

BNA_N

ClientSampleId :

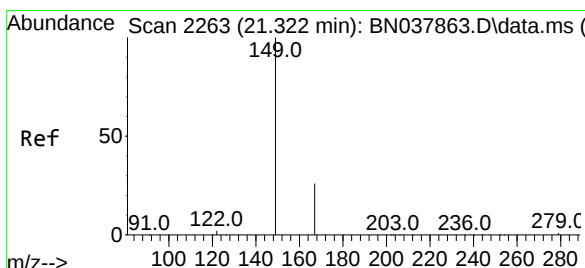
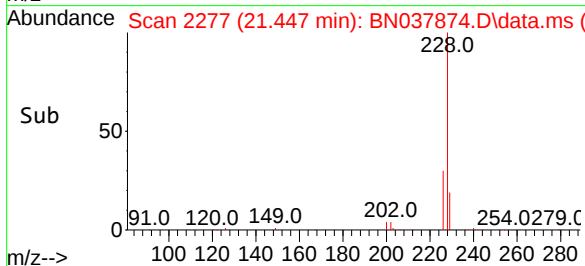
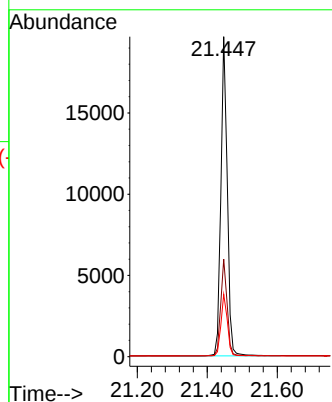
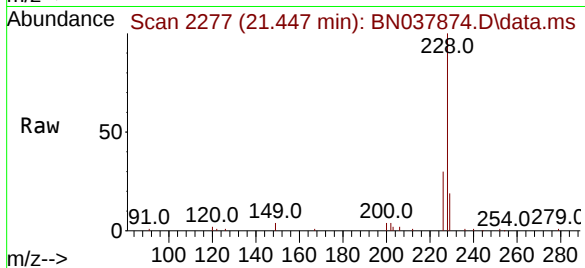
Tgt Ion:228 Resp: 24862

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

229 19.5 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.363 ng

RT: 21.331 min Scan# 2264

Delta R.T. 0.009 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

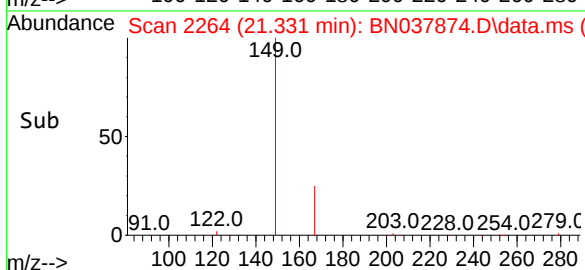
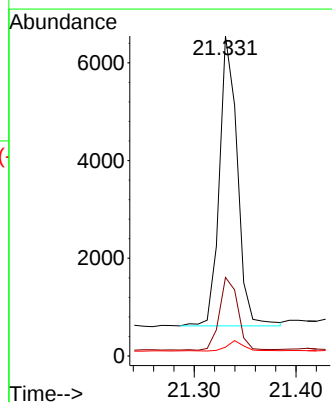
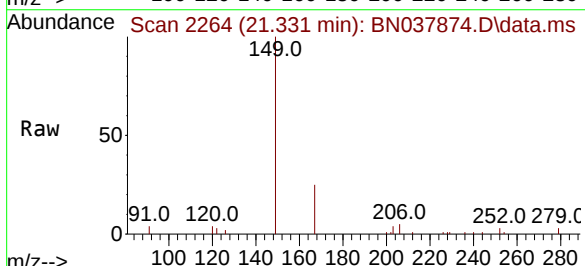
Tgt Ion:149 Resp: 7275

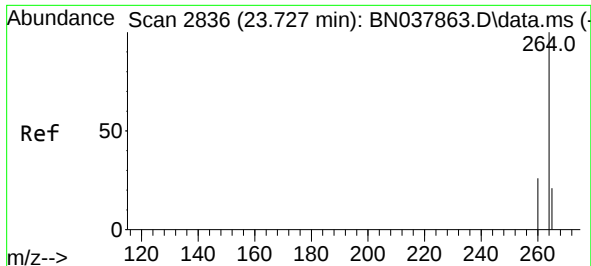
Ion Ratio Lower Upper

149 100

167 25.6 20.4 30.6

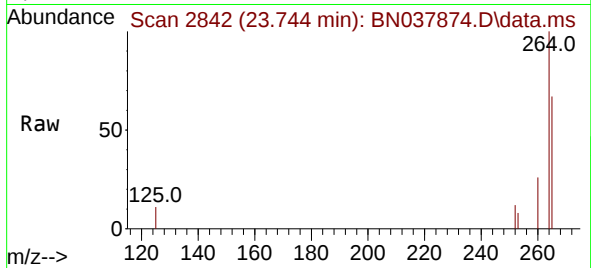
279 3.5 2.4 3.6



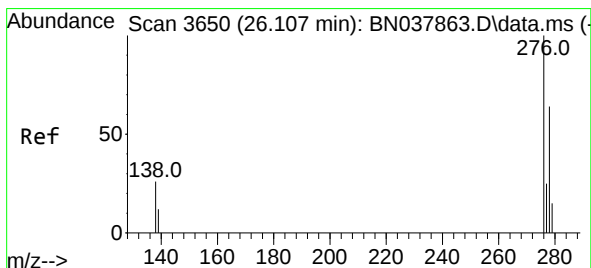
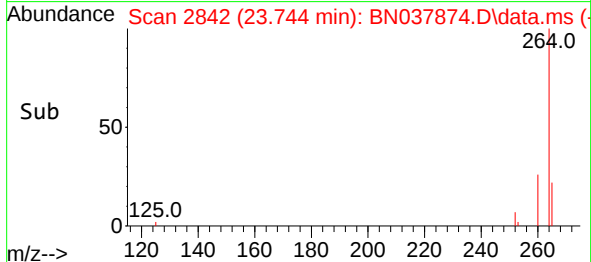
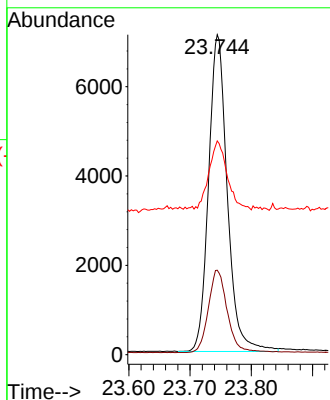


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 21
Delta R.T. 0.018 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Instrument :
BNA_N
ClientSampleId :

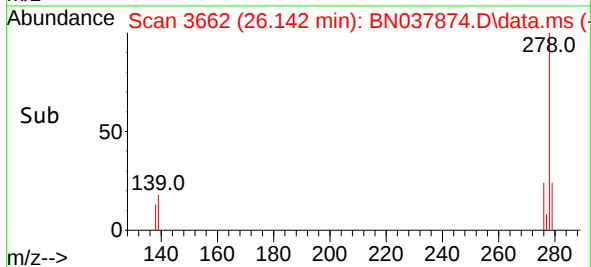
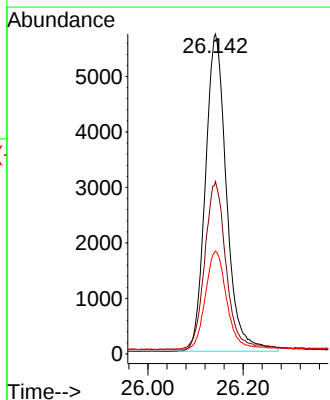
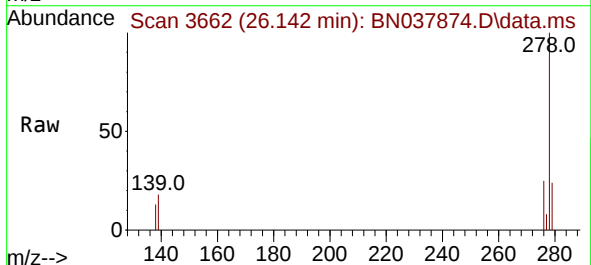


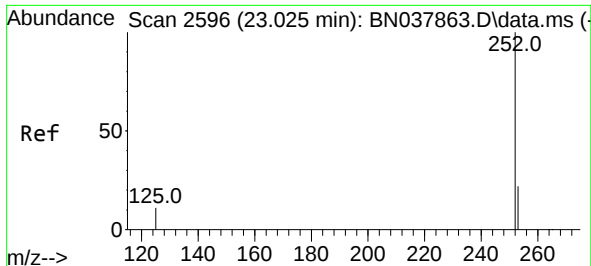
Tgt Ion:264 Resp: 15057
Ion Ratio Lower Upper
264 100
260 26.4 21.5 32.3
265 66.8 53.8 80.6



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.256 ng
RT: 26.142 min Scan# 3662
Delta R.T. 0.035 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

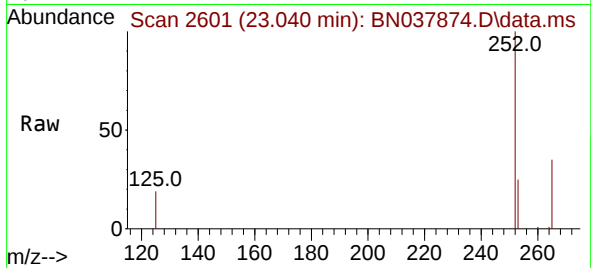
Tgt Ion:276 Resp: 17588
Ion Ratio Lower Upper
276 100
138 52.9 21.4 32.0#
277 30.9 20.3 30.5#



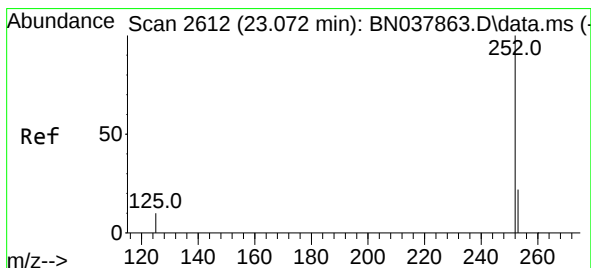
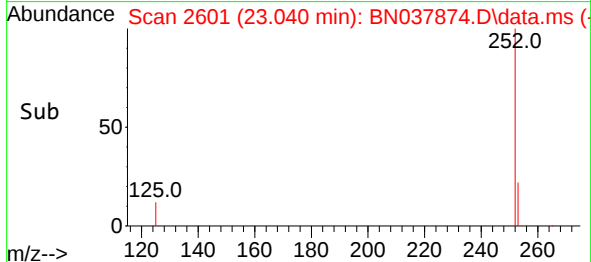
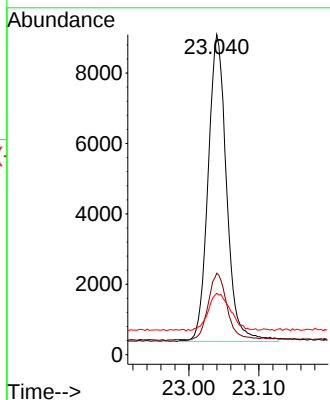


#37
Benzo(b)fluoranthene
Concen: 0.245 ng
RT: 23.040 min Scan# 2601
Delta R.T. 0.015 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Instrument :
BNA_N
ClientSampleId :

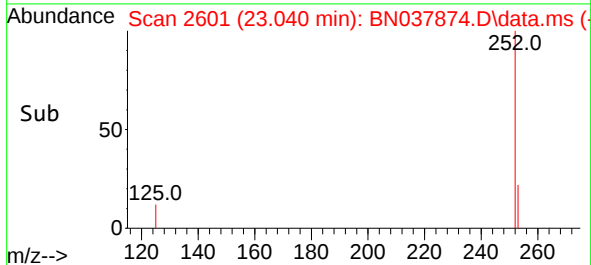
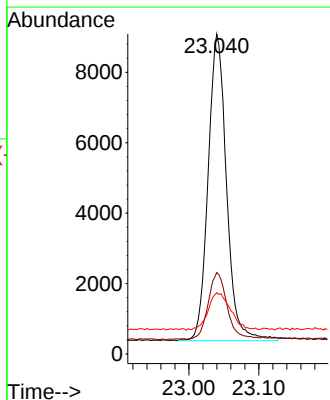
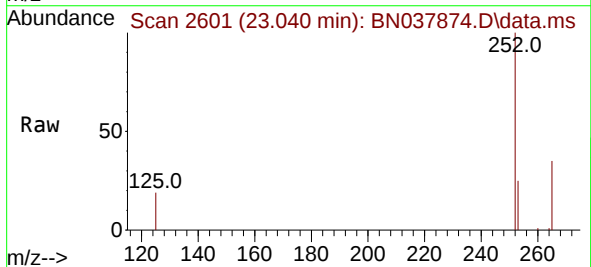


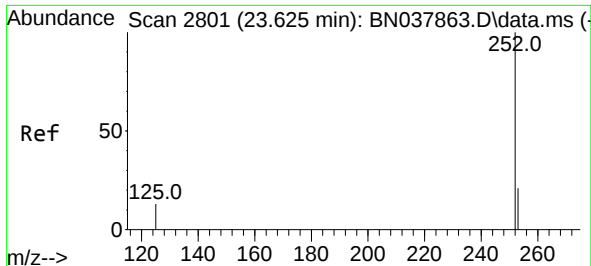
Tgt Ion:252 Resp: 15926
Ion Ratio Lower Upper
252 100
253 25.5 19.4 29.0
125 19.1 13.0 19.4



#38
Benzo(k)fluoranthene
Concen: 0.244 ng
RT: 23.040 min Scan# 2601
Delta R.T. -0.032 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

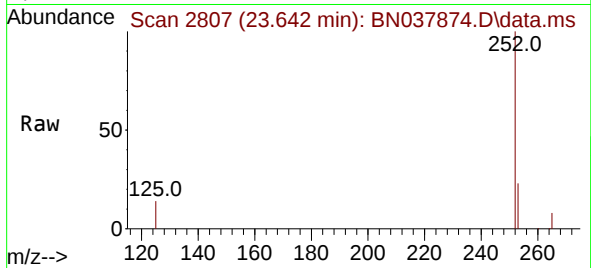
Tgt Ion:252 Resp: 15926
Ion Ratio Lower Upper
252 100
253 25.5 19.5 29.3
125 19.1 13.0 19.4



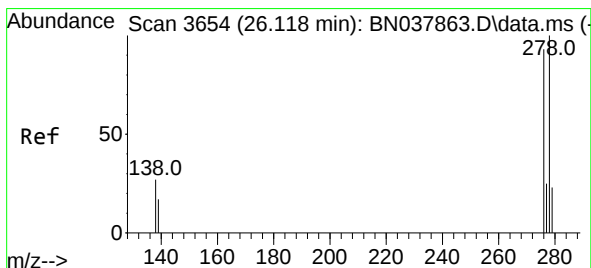
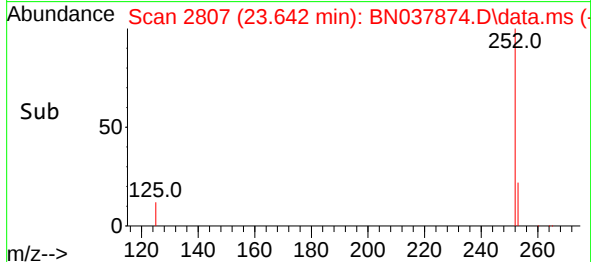
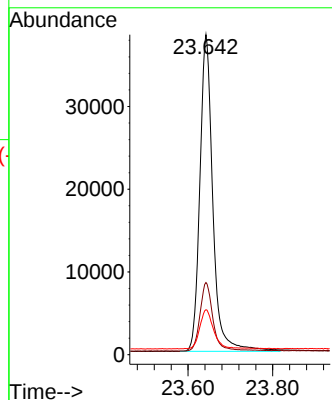


#39
Benzo(a)pyrene
Concen: 1.588 ng
RT: 23.642 min Scan# 21
Delta R.T. 0.018 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:252 Resp: 81559
Ion Ratio Lower Upper
252 100
253 22.5 20.6 30.8
125 14.1 16.7 25.1#



#40
Dibenzo(a,h)anthracene
Concen: 1.368 ng
RT: 26.142 min Scan# 3662
Delta R.T. 0.023 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion:278 Resp: 73494
Ion Ratio Lower Upper
278 100
139 18.3 15.4 23.2
279 24.2 20.8 31.2

