

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
 Data File : BN038224.D
 Acq On : 01 Dec 2025 11:35
 Operator : RC/JU
 Sample : Q3483-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 01 11:59:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 2025
 Response via : Initial Calibration

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

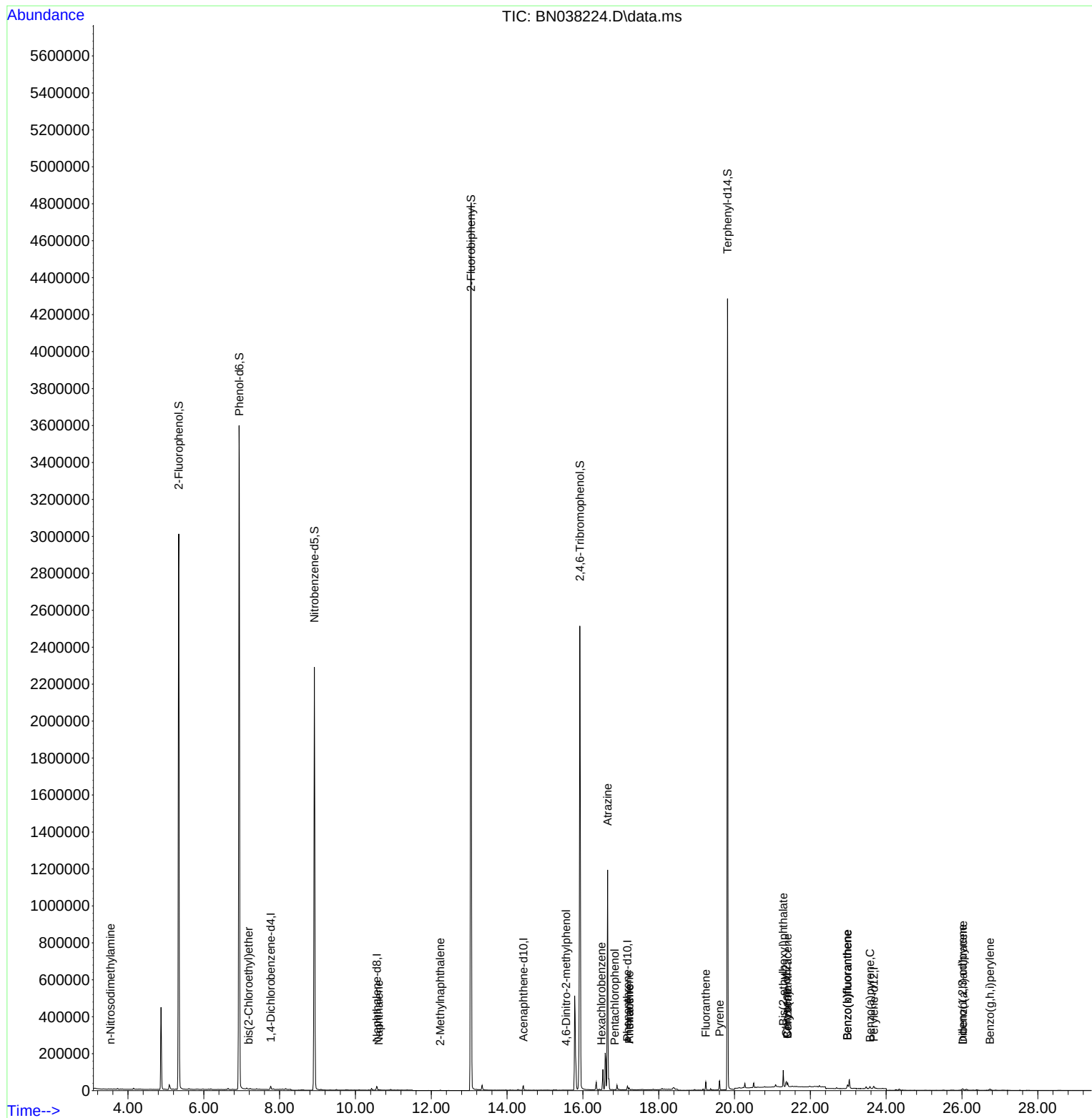
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	7893	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	25055	0.400	ng	#-0.01
13) Acenaphthene-d10	14.430	164	14238	0.400	ng	0.00
19) Phenanthrene-d10	17.173	188	27784	0.400	ng	#-0.01
29) Chrysene-d12	21.366	240	20522	0.400	ng	0.00
35) Perylene-d12	23.674	264	18472	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	2389169	129.506	ng	0.00
5) Phenol-d6	6.937	99	3384963	146.856	ng	0.00
8) Nitrobenzene-d5	8.918	82	1674424	83.571	ng	0.00
11) 2-Methylnaphthalene-d10	12.136	152	58	0.002	ng	-0.03
14) 2,4,6-Tribromophenol	15.920	330	1403084	313.216	ng	-0.01
15) 2-Fluorobiphenyl	13.051	172	4073457	74.069	ng	0.00
27) Fluoranthene-d10	19.211	212	78	0.001	ng	0.00
31) Terphenyl-d14	19.815	244	4134638	87.237	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.543	42	260	0.025	ng	# 1
6) bis(2-Chloroethyl)ether	7.183	93	526	0.024	ng	# 77
9) Naphthalene	10.616	128	2940	0.042	ng	# 93
12) 2-Methylnaphthalene	12.238	142	1770	0.039	ng	# 92
20) 4,6-Dinitro-2-methylph...	15.560	198	18	0.178	ng	# 1
22) Hexachlorobenzene	16.491	284	600	0.025	ng	# 63
23) Atrazine	16.652	200	867567	70.570	ng	97
24) Pentachlorophenol	16.838	266	608	0.094	ng	# 82
25) Phenanthrene	17.223	178	12415	0.142	ng	97
26) Anthracene	17.223	178	12376	0.166	ng	98
28) Fluoranthene	19.243	202	36854	0.438	ng	98
30) Pyrene	19.606	202	42405	0.414	ng	97
32) Benzo(a)anthracene	21.402	228	20898	0.301	ng	93
33) Chrysene	21.402	228	21251	0.259	ng	95
34) Bis(2-ethylhexyl)phtha...	21.286	149	76147	2.001	ng	99
36) Indeno(1,2,3-cd)pyrene	26.016	276	13378	0.156	ng	98
37) Benzo(b)fluoranthene	22.978	252	26942	0.355	ng	# 52
38) Benzo(k)fluoranthene	22.978	252	26945	0.342	ng	# 52
39) Benzo(a)pyrene	23.572	252	14120	0.222	ng	# 65
40) Dibenzo(a,h)anthracene	26.025	278	3224	0.050	ng	# 37
41) Benzo(g,h,i)perylene	26.738	276	14918	0.193	ng	# 92

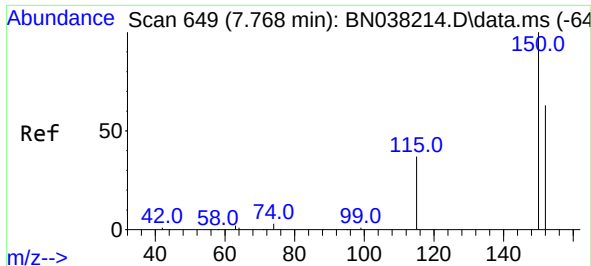
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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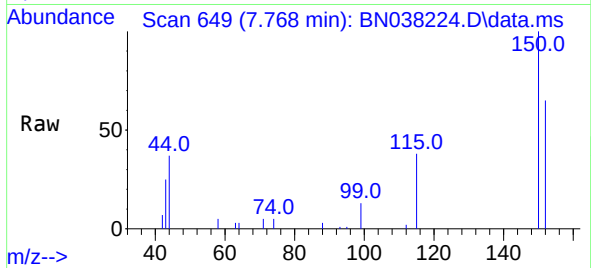
Quant Time: Dec 01 11:59:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
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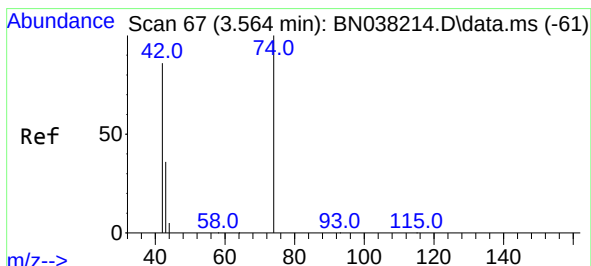
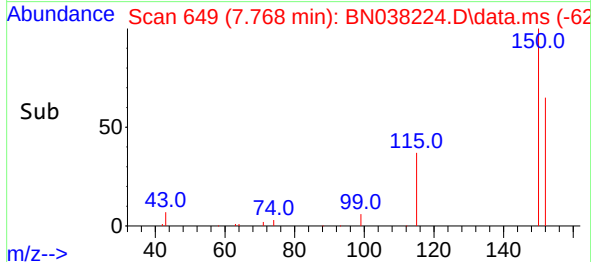
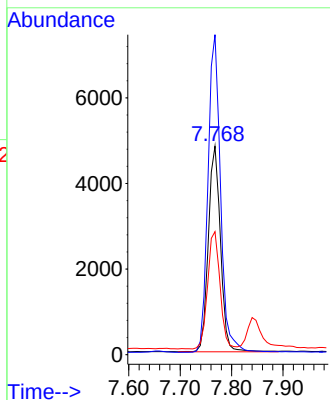


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :

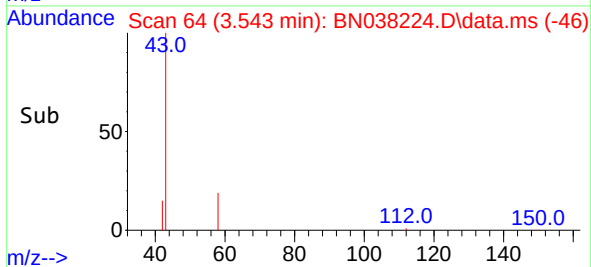
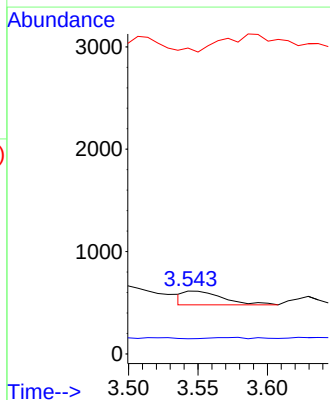
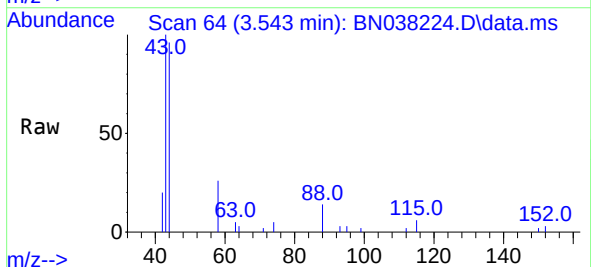


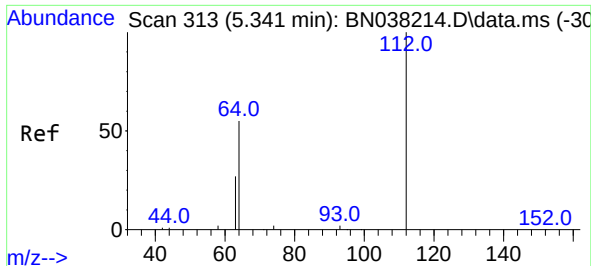
Tgt Ion:152 Resp: 7893
Ion Ratio Lower Upper
152 100
150 153.5 125.3 187.9
115 59.0 49.0 73.4



#3
n-Nitrosodimethylamine
Concen: 0.025 ng
RT: 3.543 min Scan# 64
Delta R.T. -0.022 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion: 42 Resp: 260
Ion Ratio Lower Upper
42 100
74 0.0 96.2 144.2#
44 0.0 8.0 12.0#

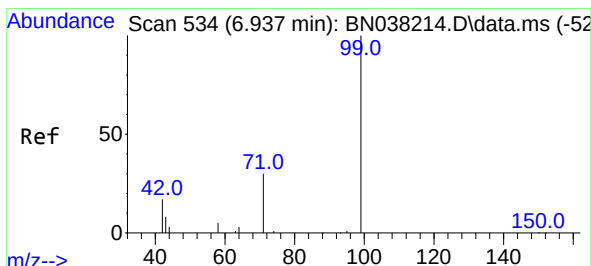
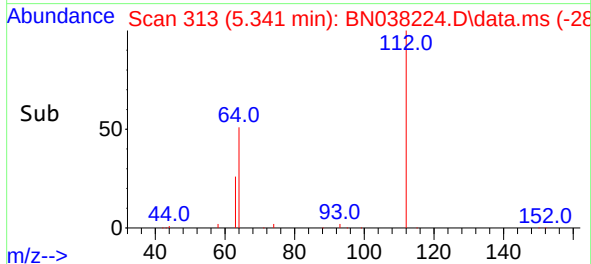
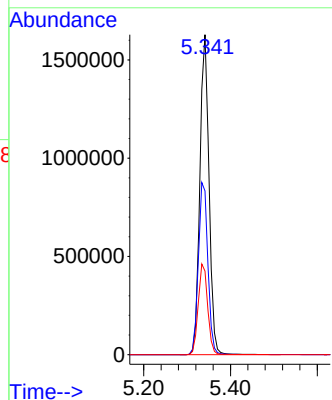
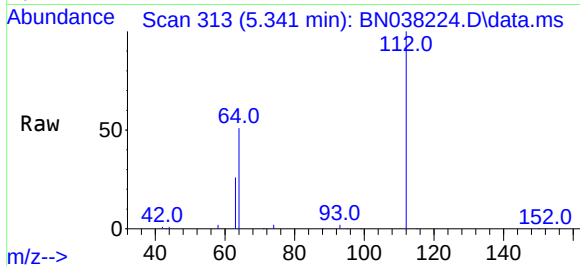




#4
2-Fluorophenol
Concen: 129.506 ng
RT: 5.341 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

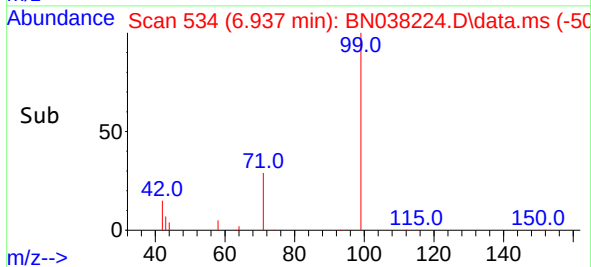
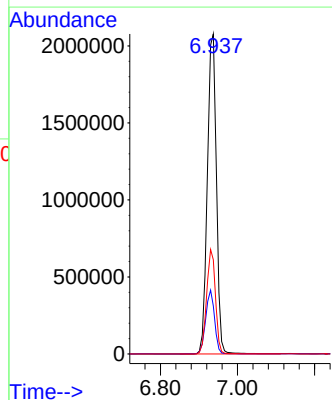
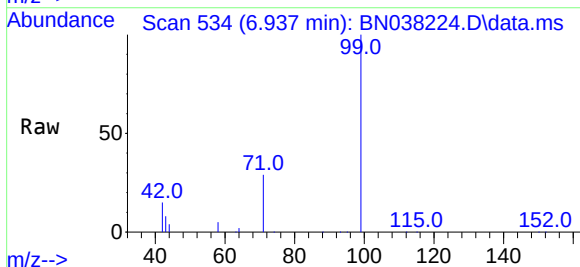
Instrument :
BNA_N
ClientSampleId :

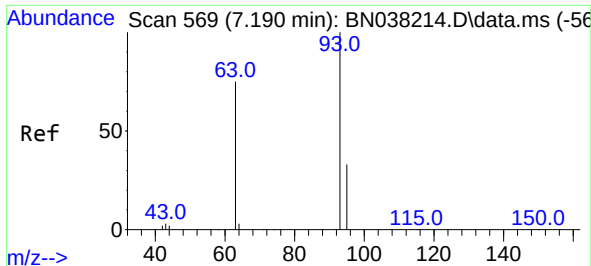
Tgt Ion:112 Resp: 2389169
Ion Ratio Lower Upper
112 100
64 56.1 45.0 67.4
63 29.4 23.2 34.8



#5
Phenol-d6
Concen: 146.856 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion: 99 Resp: 3384963
Ion Ratio Lower Upper
99 100
42 19.5 17.0 25.6
71 32.1 25.4 38.2

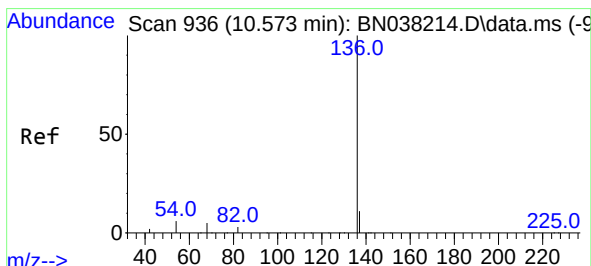
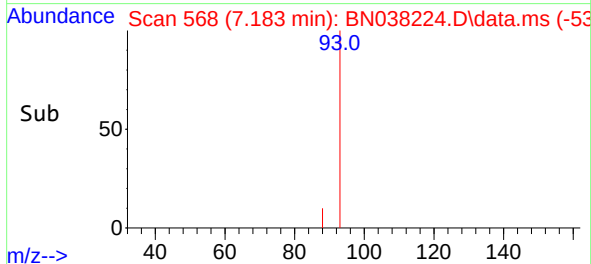
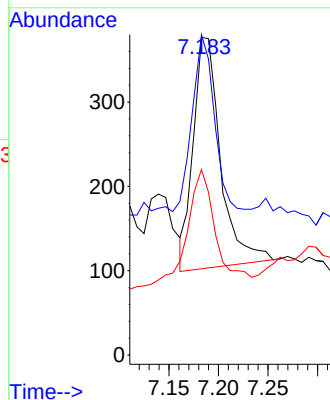
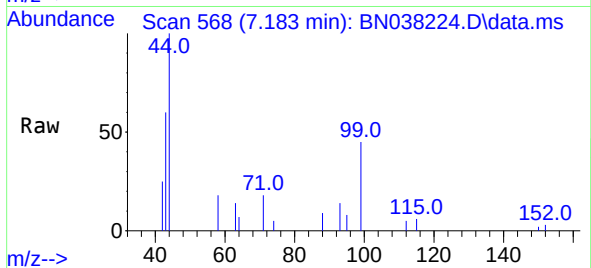




#6
bis(2-Chloroethyl)ether
Concen: 0.024 ng
RT: 7.183 min Scan# 501
Delta R.T. -0.007 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

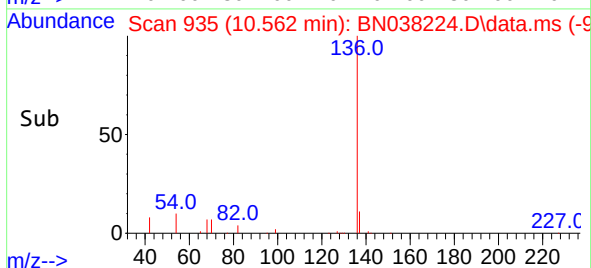
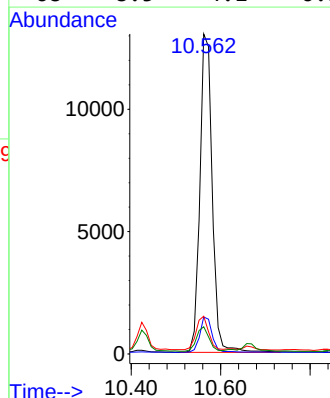
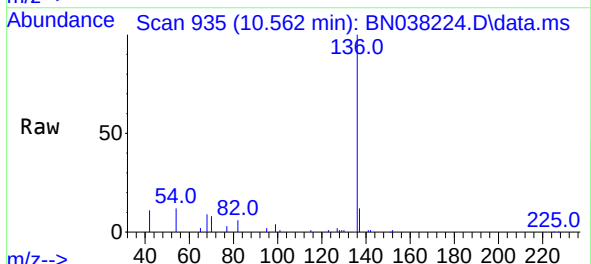
Instrument :
BNA_N
ClientSampleId :

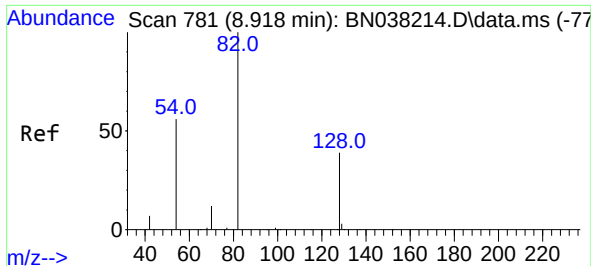
Tgt Ion: 93 Resp: 526
Ion Ratio Lower Upper
93 100
63 62.2 58.1 87.1
95 58.2 25.1 37.7#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

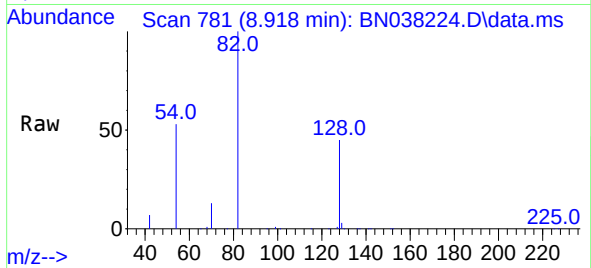
Tgt Ion:136 Resp: 25055
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 11.8 5.4 8.0#
68 8.5 4.1 6.1#



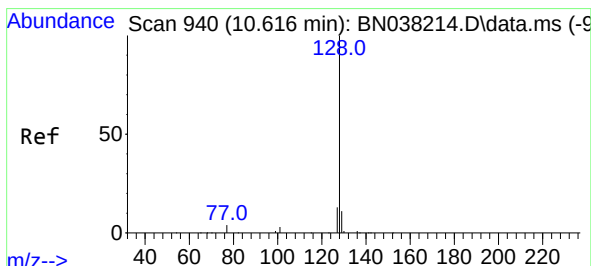
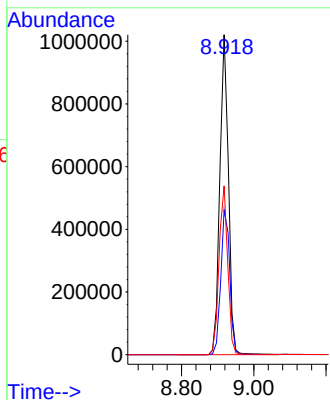
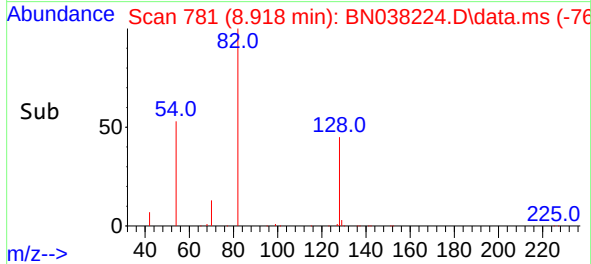


#8
Nitrobenzene-d5
Concen: 83.571 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :

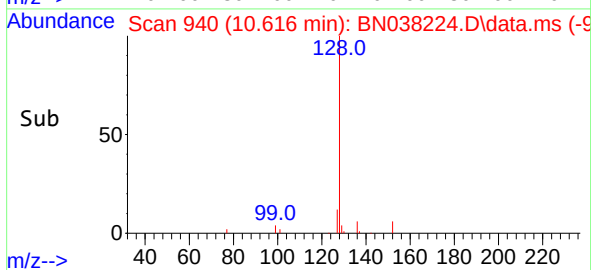
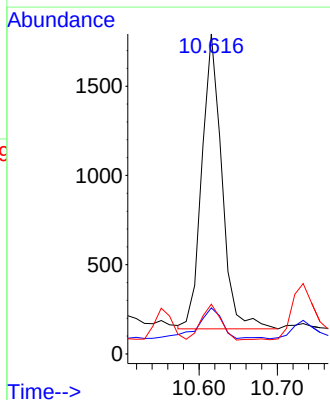
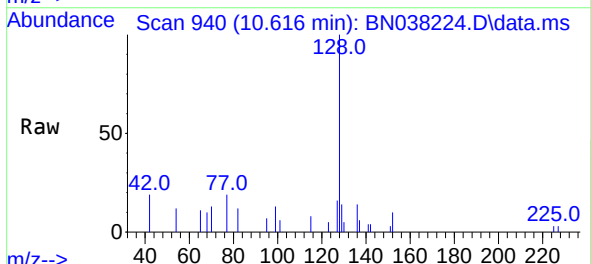


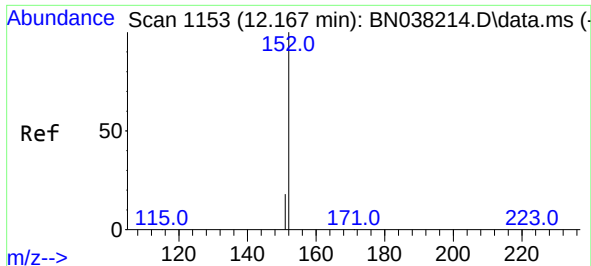
Tgt Ion: 82 Resp: 1674424
Ion Ratio Lower Upper
82 100
128 45.2 32.6 48.8
54 52.7 45.4 68.0



#9
Naphthalene
Concen: 0.042 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion: 128 Resp: 2940
Ion Ratio Lower Upper
128 100
129 14.4 9.1 13.7#
127 15.6 10.6 16.0





#11

2-Methylnaphthalene-d10

Concen: 0.002 ng

RT: 12.136 min Scan# 11

Delta R.T. -0.030 min

Lab File: BN038224.D

Acq: 01 Dec 2025 11:35

Instrument :

BNA_N

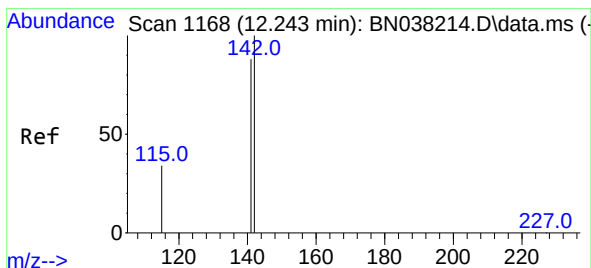
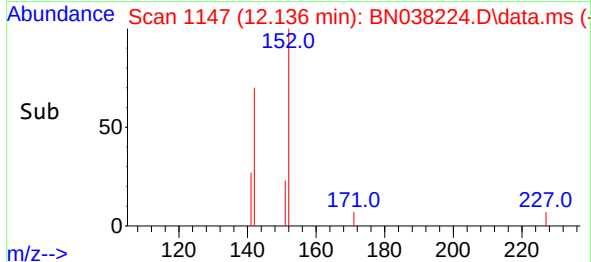
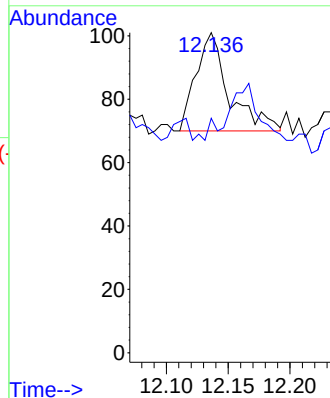
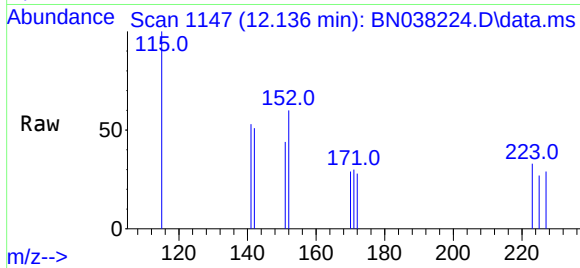
ClientSampleId :

Tgt Ion:152 Resp: 58

Ion Ratio Lower Upper

152 100

151 0.0 16.7 25.1#



#12

2-Methylnaphthalene

Concen: 0.039 ng

RT: 12.238 min Scan# 1167

Delta R.T. -0.005 min

Lab File: BN038224.D

Acq: 01 Dec 2025 11:35

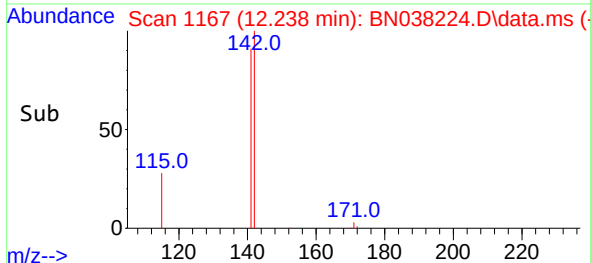
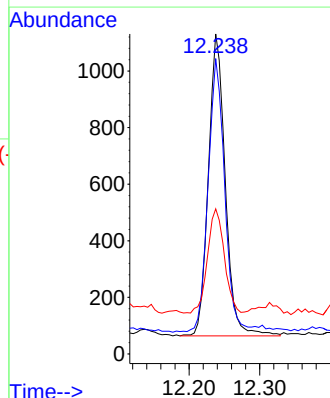
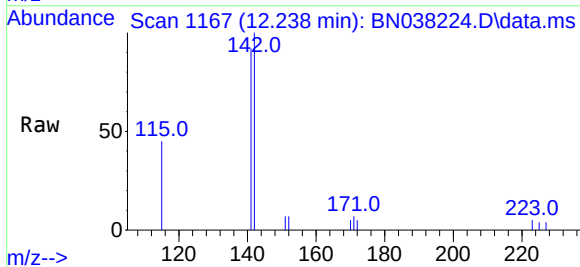
Tgt Ion:142 Resp: 1770

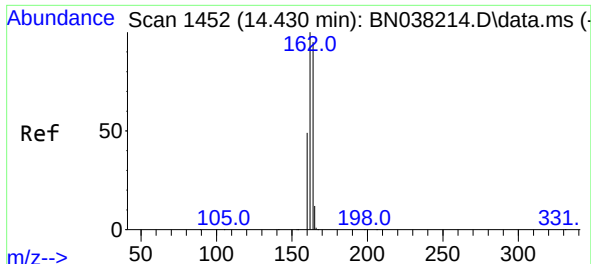
Ion Ratio Lower Upper

142 100

141 92.3 70.9 106.3

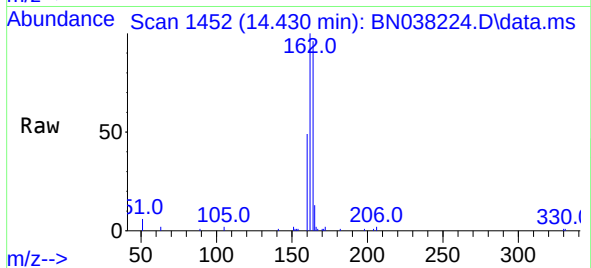
115 45.4 27.7 41.5#



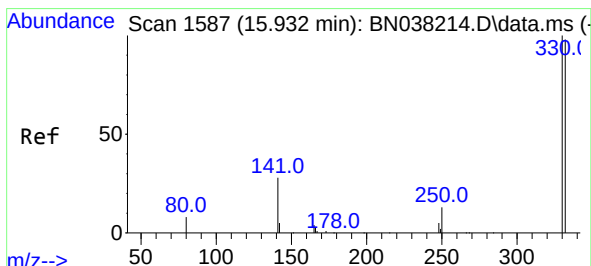
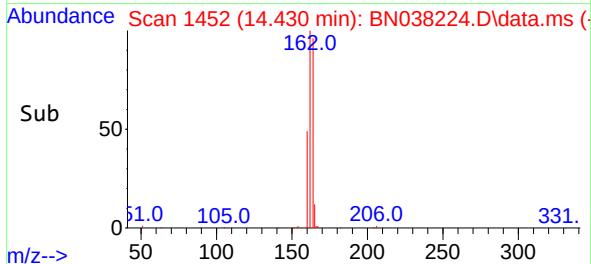
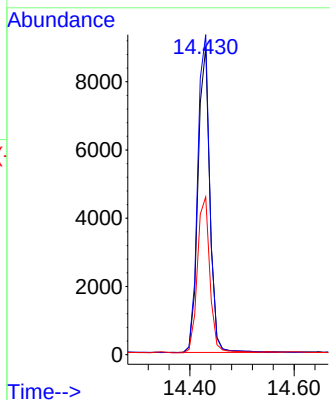


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
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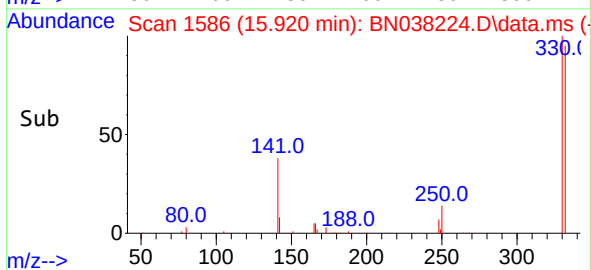
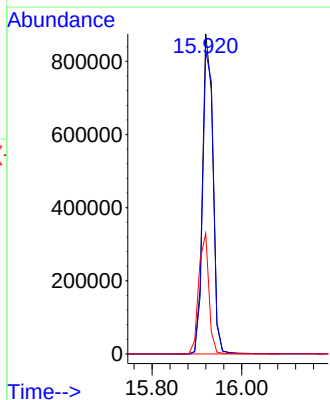
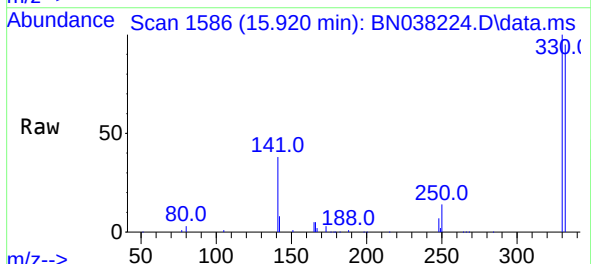


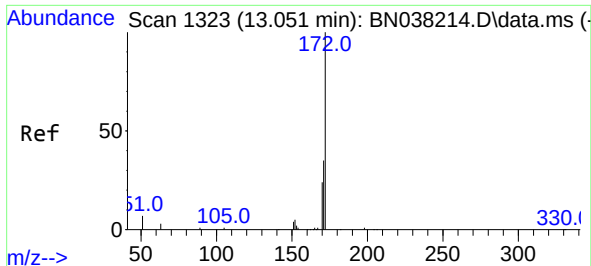
Tgt Ion:164 Resp: 14238
Ion Ratio Lower Upper
164 100
162 104.1 83.8 125.8
160 51.3 41.6 62.4



#14
2,4,6-Tribromophenol
Concen: 313.216 ng
RT: 15.920 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion:330 Resp: 1403084
Ion Ratio Lower Upper
330 100
332 97.9 77.8 116.6
141 36.9 33.0 49.4

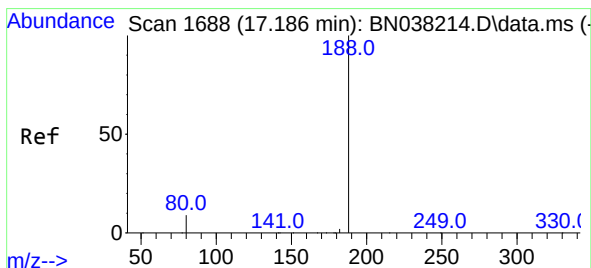
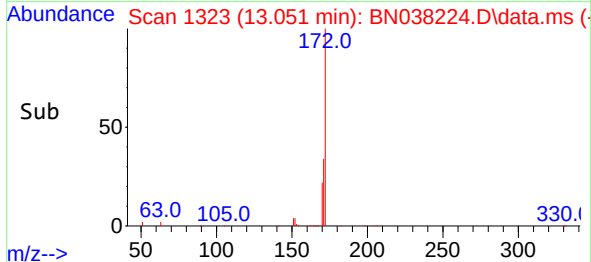
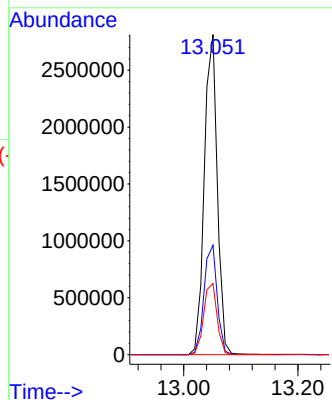
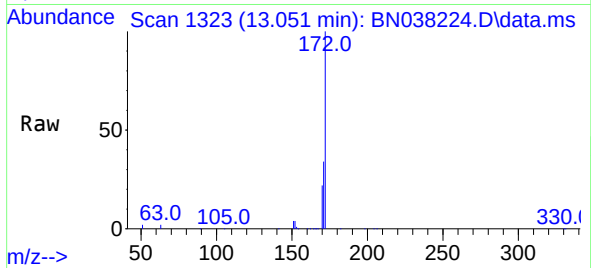




#15
2-Fluorobiphenyl
Concen: 74.069 ng
RT: 13.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

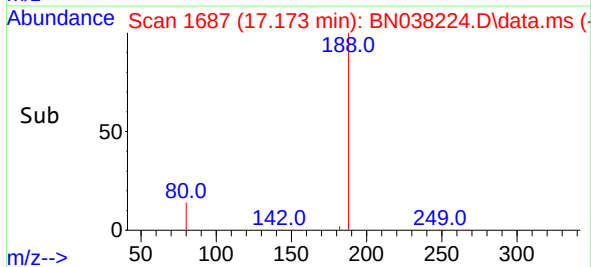
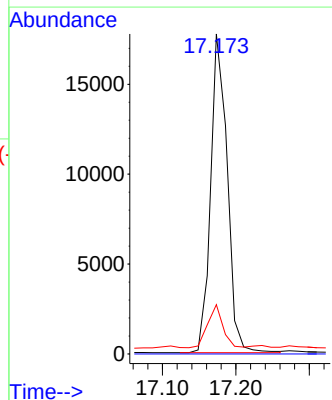
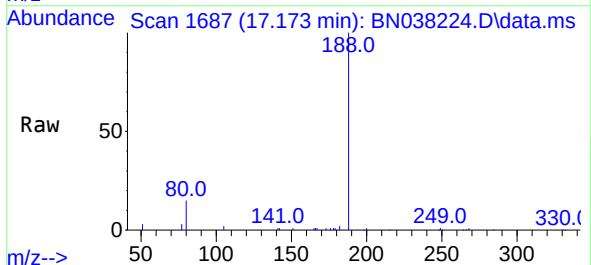
Instrument :
BNA_N
ClientSampleId :

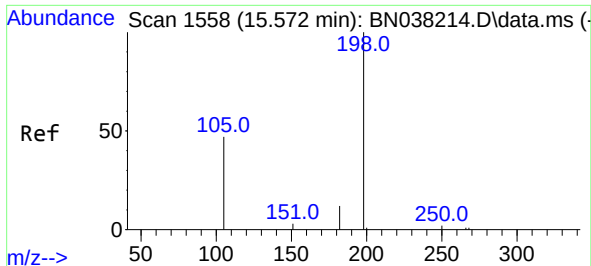
Tgt Ion:172 Resp: 4073457
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 22.3 19.1 28.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion:188 Resp: 27784
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.4 7.7 11.5#

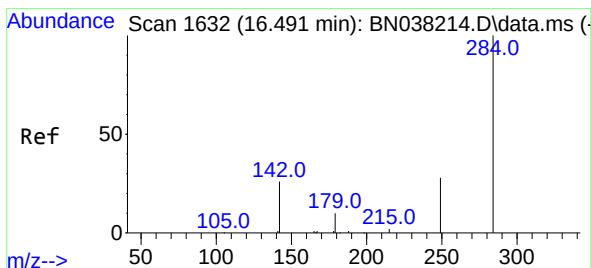
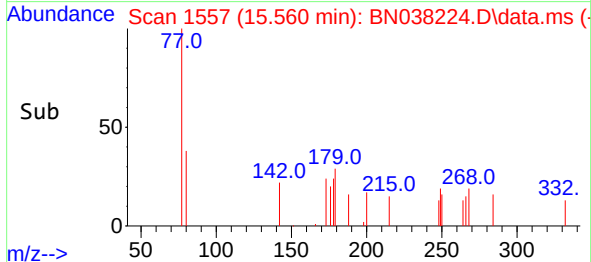
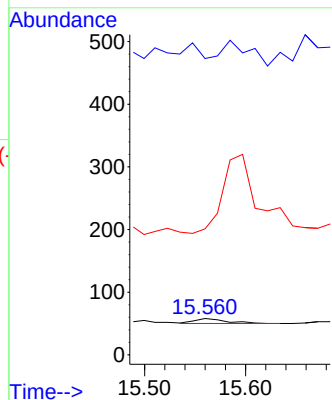
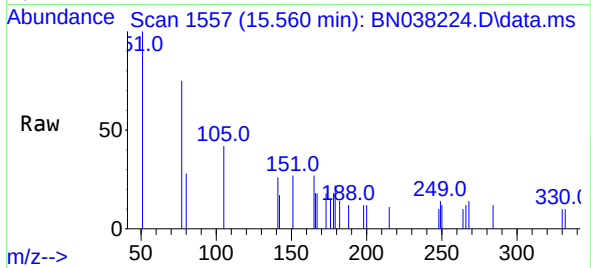




#20
4,6-Dinitro-2-methylphenol
Concen: 0.178 ng
RT: 15.560 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

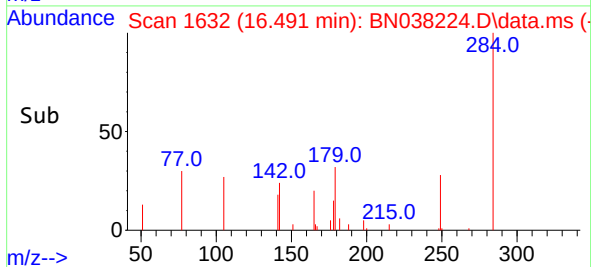
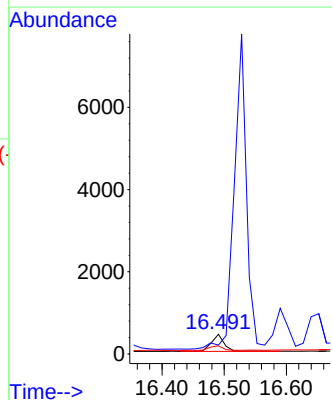
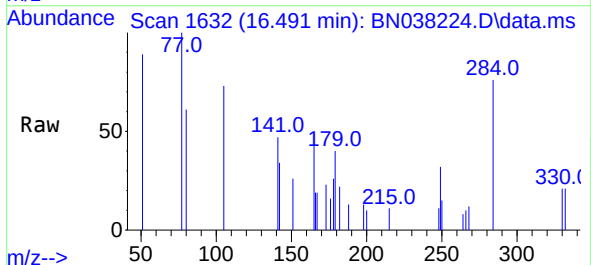
Instrument :
BNA_N
ClientSampleId :

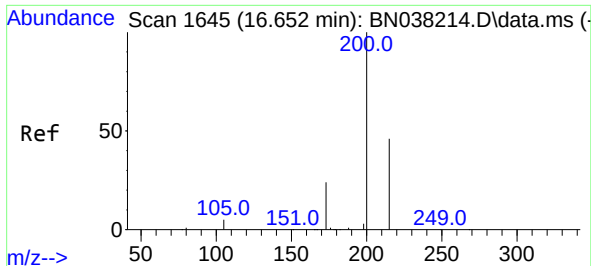
Tgt Ion:198 Resp: 18
Ion Ratio Lower Upper
198 100
51 815.5 205.1 307.7#
105 346.6 61.6 92.4#



#22
Hexachlorobenzene
Concen: 0.025 ng
RT: 16.491 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

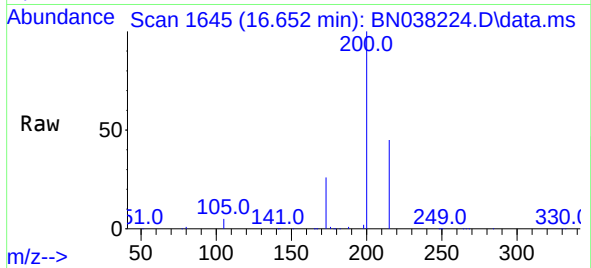
Tgt Ion:284 Resp: 600
Ion Ratio Lower Upper
284 100
142 0.0 30.5 45.7#
249 31.3 23.8 35.8



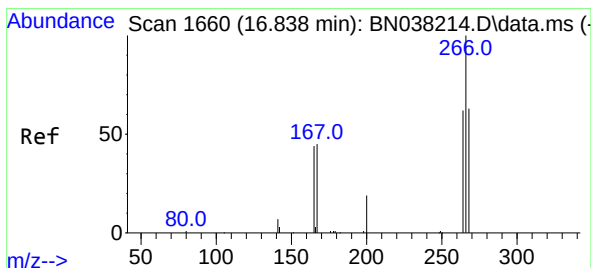
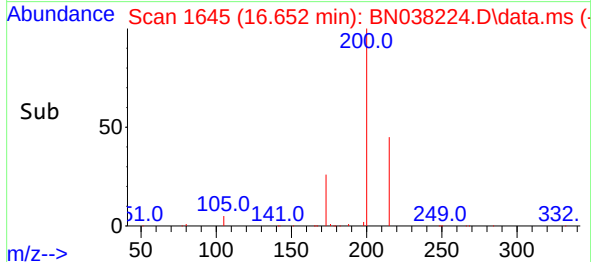
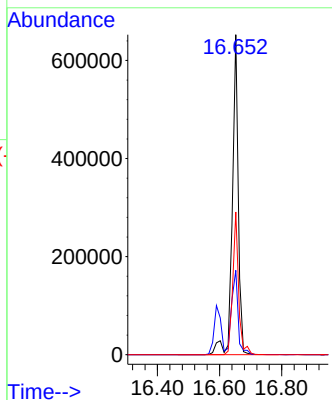


#23
Atrazine
Concen: 70.570 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :

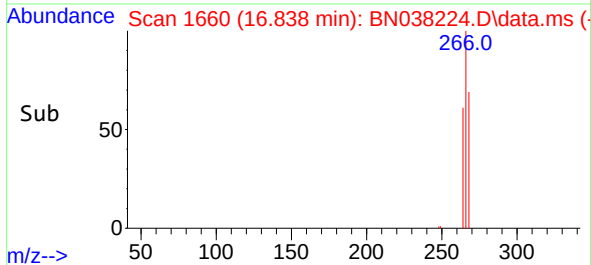
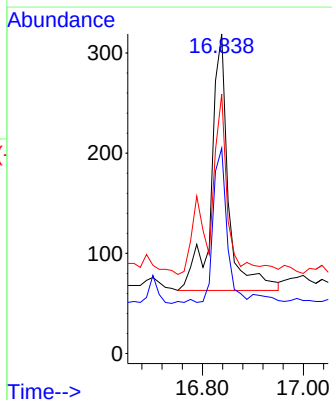
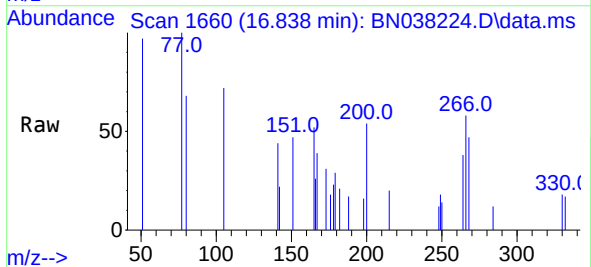


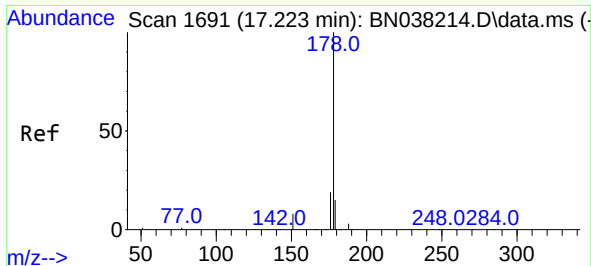
Tgt Ion:200 Resp: 867567
Ion Ratio Lower Upper
200 100
173 26.4 21.0 31.6
215 44.6 37.8 56.8



#24
Pentachlorophenol
Concen: 0.094 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Tgt Ion:266 Resp: 608
Ion Ratio Lower Upper
266 100
264 48.8 48.9 73.3#
268 48.0 50.2 75.2#

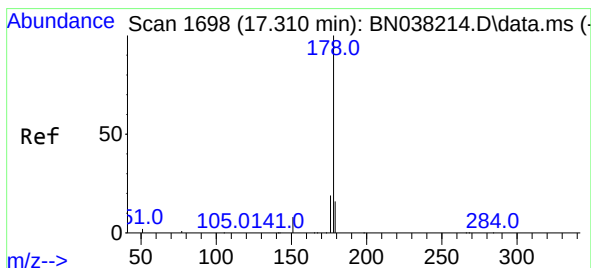
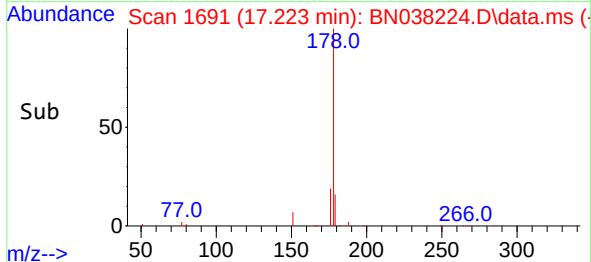
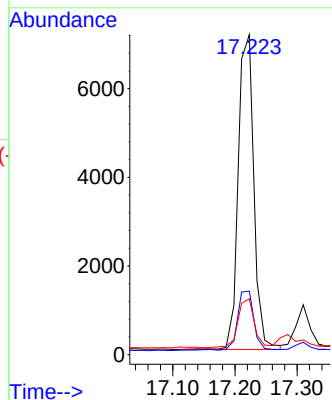
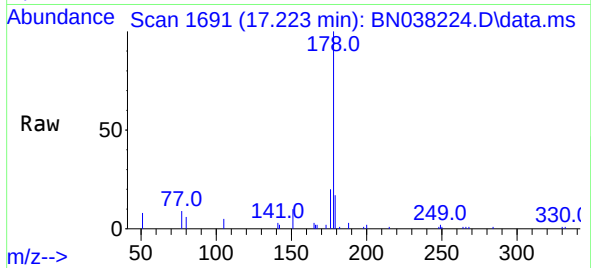




#25
Phenanthrene
Concen: 0.142 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

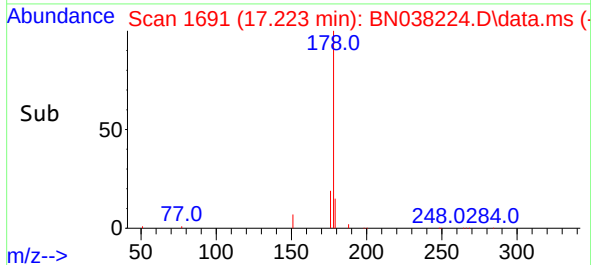
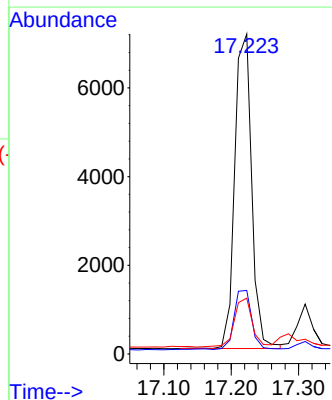
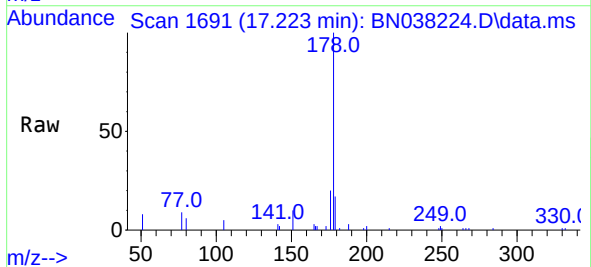
Instrument :
BNA_N
ClientSampleId :

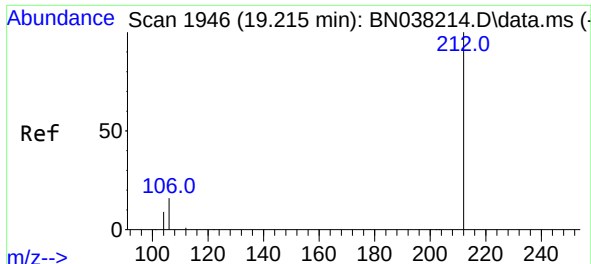
Tgt Ion	178	176	179
Resp:	12415	20.2	16.5
Ratio	100	20.2	16.5
Lower		15.3	12.0
Upper		22.9	18.0



#26
Anthracene
Concen: 0.166 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.087 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

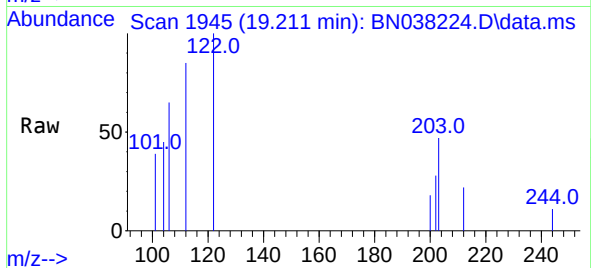
Tgt Ion	178	176	179
Resp:	12376	19.4	16.6
Ratio	100	19.4	16.6
Lower		14.7	12.3
Upper		22.1	18.5



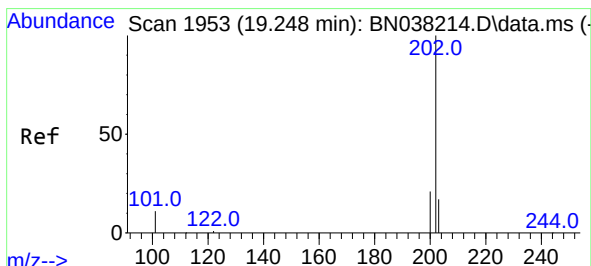
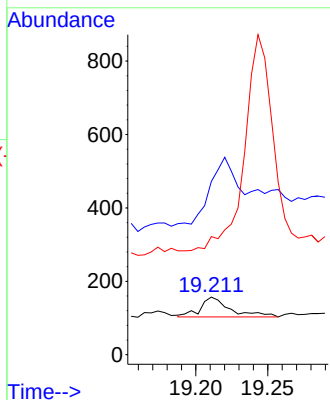
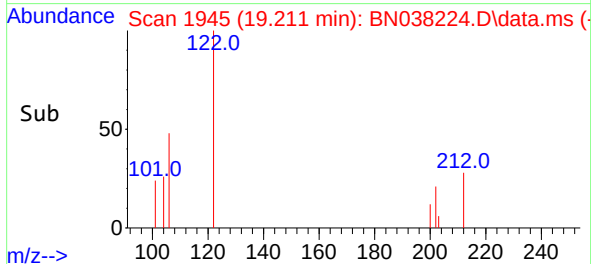


#27
Fluoranthene-d10
Concen: 0.001 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

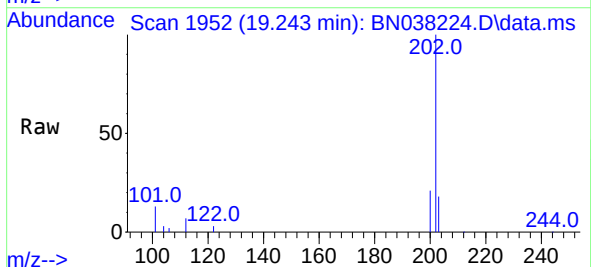
Instrument :
BNA_N
ClientSampleId :



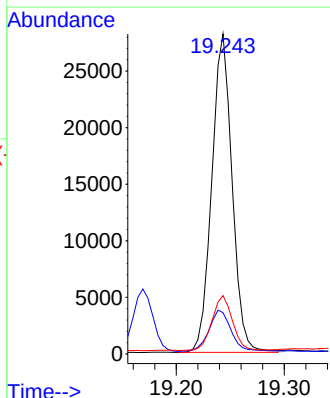
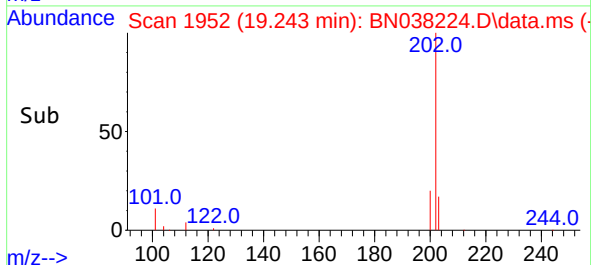
Tgt Ion:212 Resp: 78
Ion Ratio Lower Upper
212 100
106 300.0 12.7 19.1#
104 0.0 7.3 10.9#

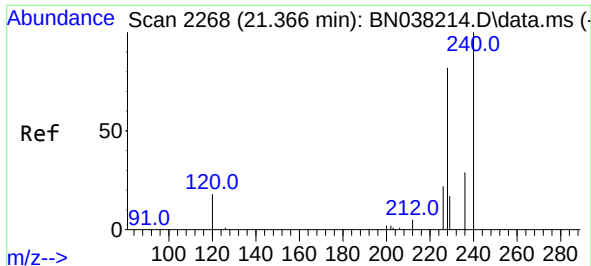


#28
Fluoranthene
Concen: 0.438 ng
RT: 19.243 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35



Tgt Ion:202 Resp: 36854
Ion Ratio Lower Upper
202 100
101 14.1 9.8 14.6
203 17.4 13.6 20.4

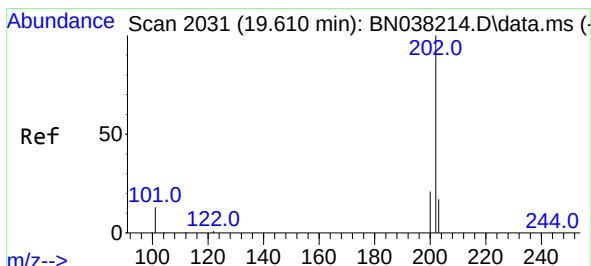
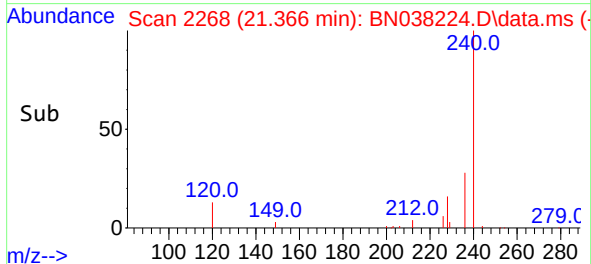
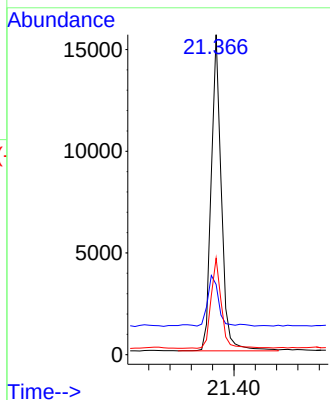
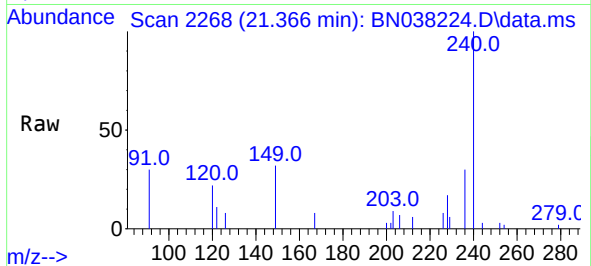




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.366 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

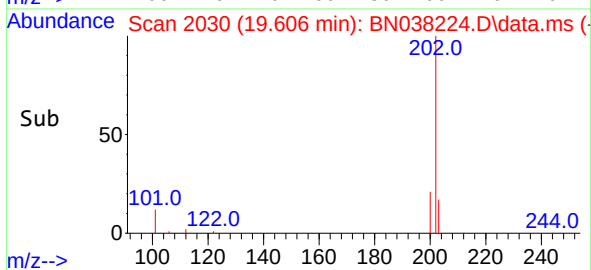
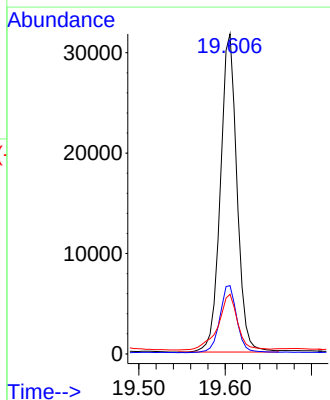
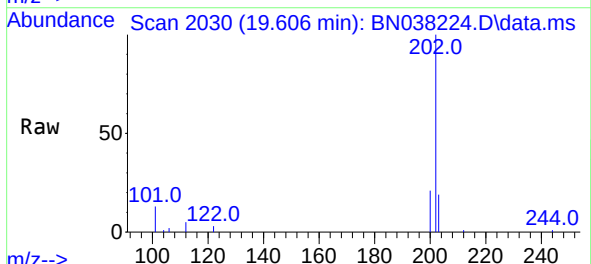
Instrument :
BNA_N
ClientSampleId :

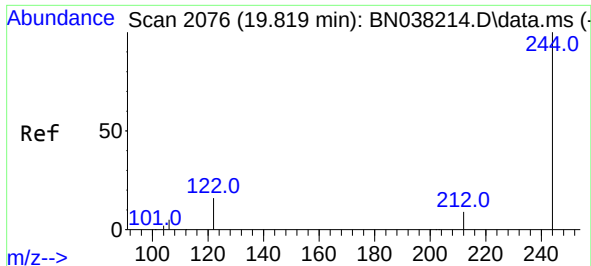
Tgt Ion:	240	Resp:	20522
Ion	Ratio	Lower	Upper
240	100		
120	21.9	18.1	27.1
236	30.2	24.2	36.4



#30
Pyrene
Concen: 0.414 ng
RT: 19.606 min Scan# 2030
Delta R.T. -0.005 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

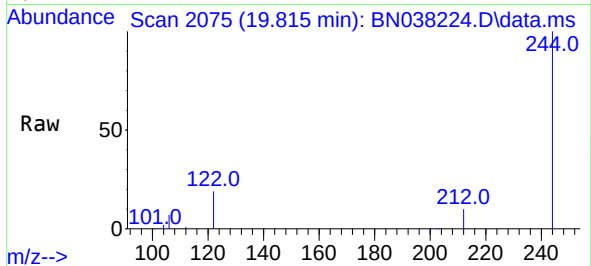
Tgt Ion:	202	Resp:	42405
Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	20.4	14.4	21.6



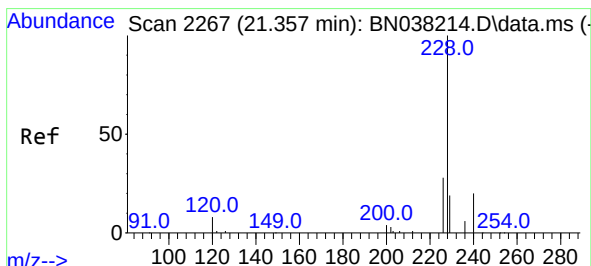
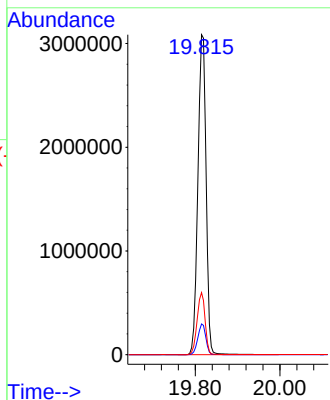
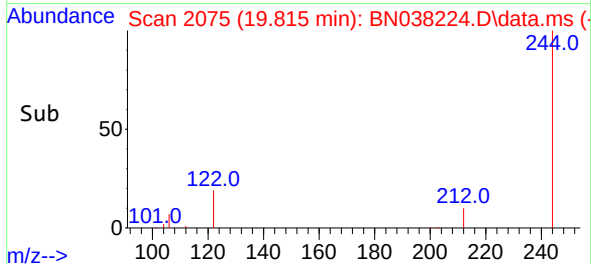


#31
Terphenyl-d14
Concen: 87.237 ng
RT: 19.815 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :

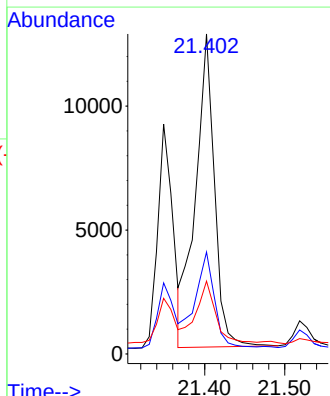
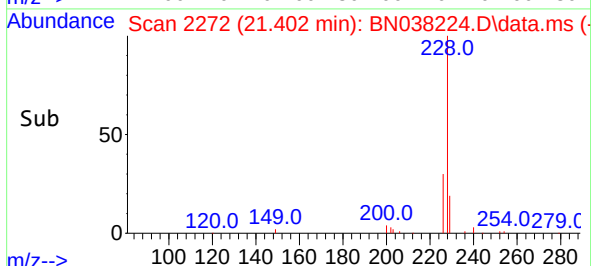
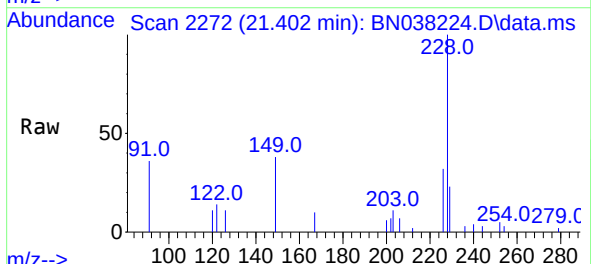


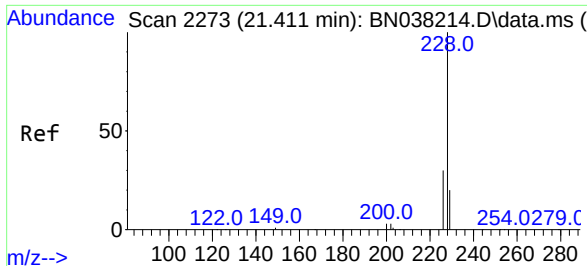
Tgt Ion:244 Resp: 4134638
Ion Ratio Lower Upper
244 100
212 9.6 7.7 11.5
122 19.4 13.6 20.4



#32
Benzo(a)anthracene
Concen: 0.301 ng
RT: 21.402 min Scan# 2272
Delta R.T. 0.045 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

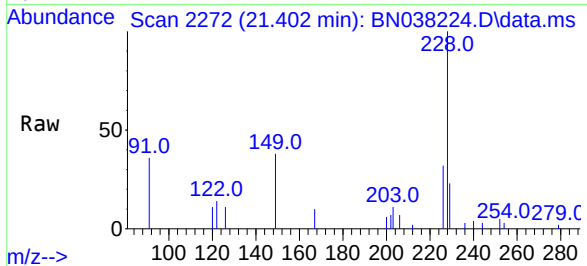
Tgt Ion:228 Resp: 20898
Ion Ratio Lower Upper
228 100
226 31.9 22.6 33.8
229 22.8 15.8 23.8



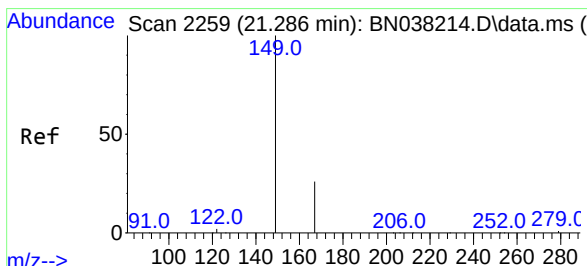
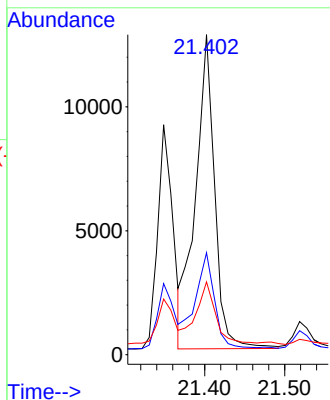


#33
Chrysene
Concen: 0.259 ng
RT: 21.402 min Scan# 21251
Delta R.T. -0.009 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :

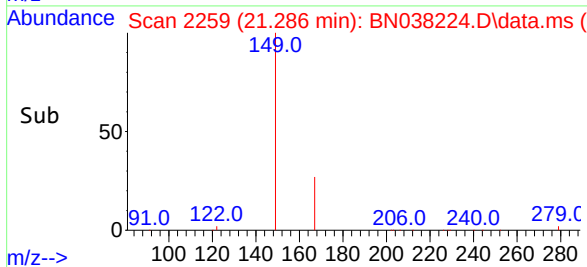
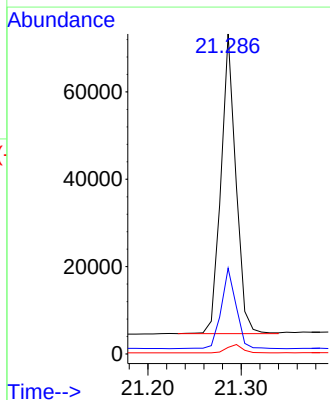
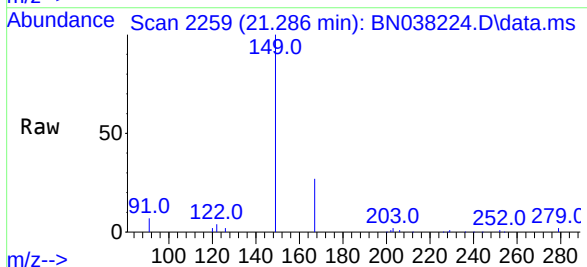


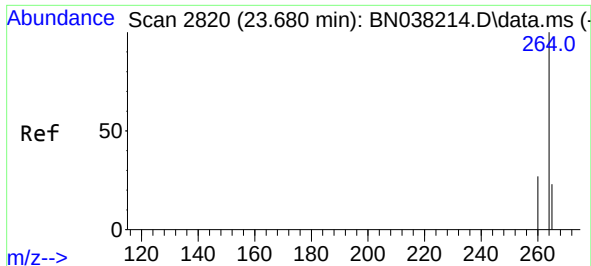
Tgt Ion:228 Resp: 21251
Ion Ratio Lower Upper
228 100
226 31.9 23.8 35.8
229 22.8 16.1 24.1



#34
Bis(2-ethylhexyl)phthalate
Concen: 2.001 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

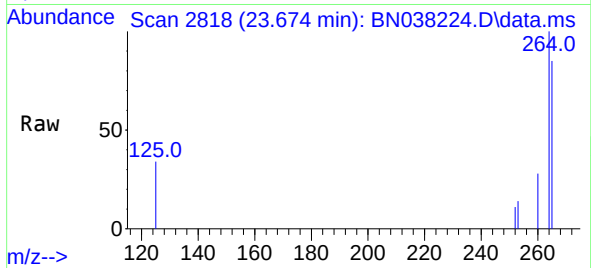
Tgt Ion:149 Resp: 76147
Ion Ratio Lower Upper
149 100
167 26.7 20.7 31.1
279 2.8 2.5 3.7



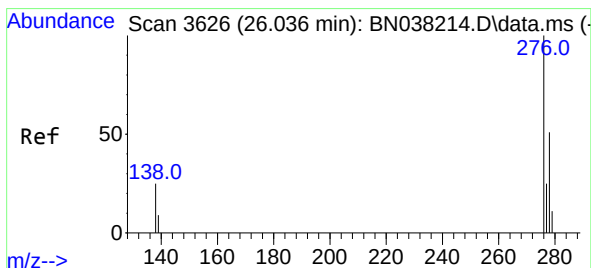
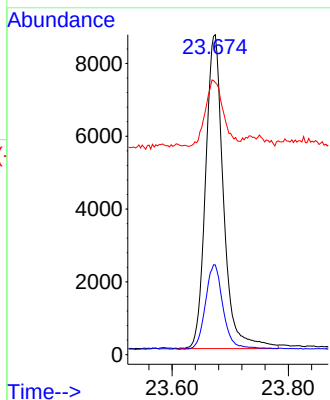


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.674 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :

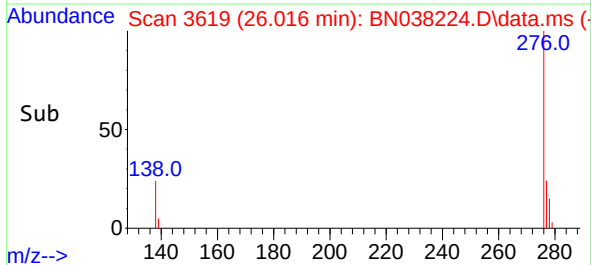
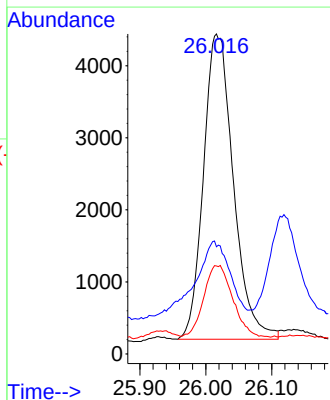
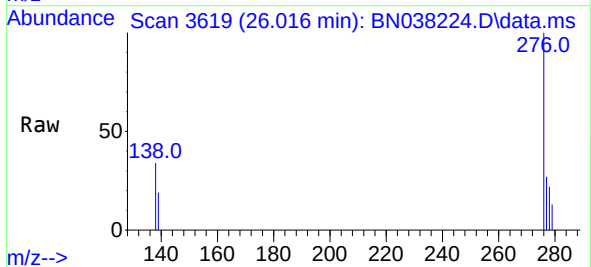


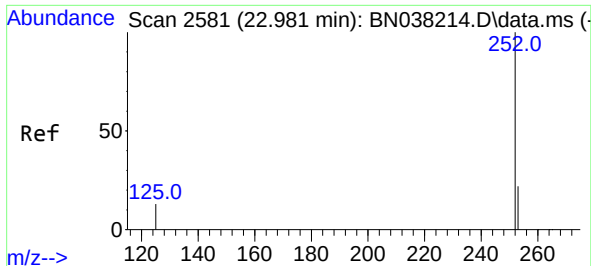
Tgt Ion:264 Resp: 18472
Ion Ratio Lower Upper
264 100
260 28.0 21.7 32.5
265 85.1 98.0 147.0#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.156 ng
RT: 26.016 min Scan# 3619
Delta R.T. -0.020 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

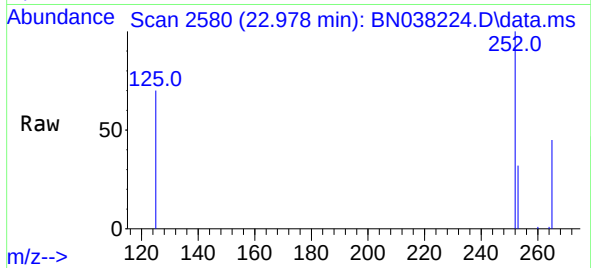
Tgt Ion:276 Resp: 13378
Ion Ratio Lower Upper
276 100
138 27.9 21.4 32.2
277 23.1 19.1 28.7



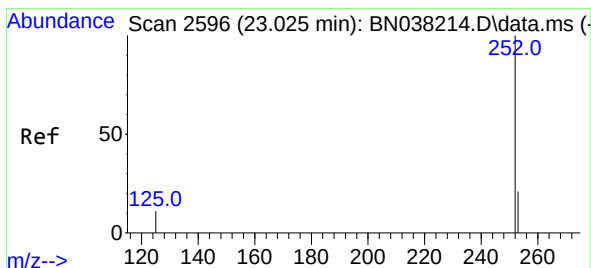
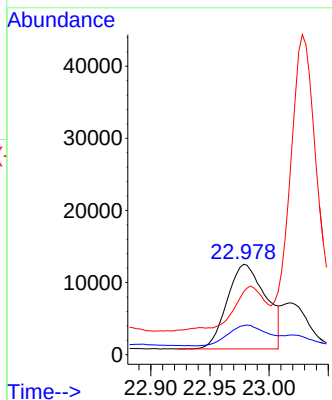


#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.978 min Scan# 2580
Delta R.T. -0.003 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :

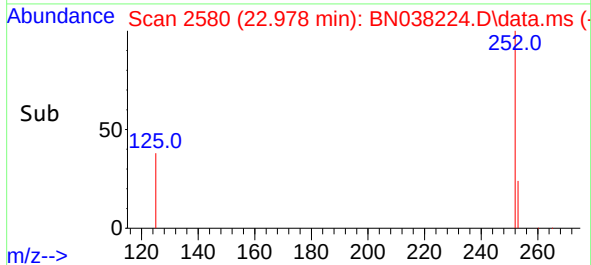
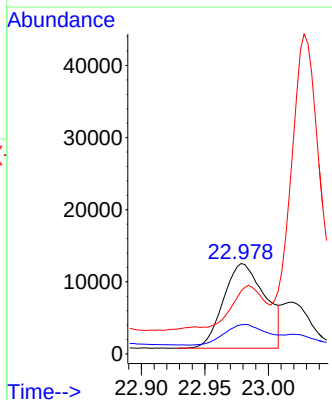
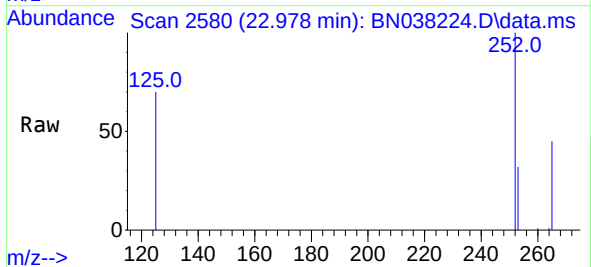


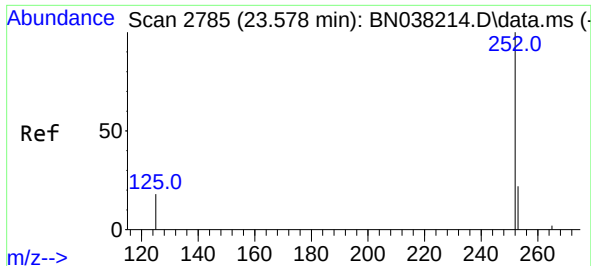
Tgt Ion:252 Resp: 26942
Ion Ratio Lower Upper
252 100
253 32.2 22.2 33.4
125 69.6 18.0 27.0#



#38
Benzo(k)fluoranthene
Concen: 0.342 ng
RT: 22.978 min Scan# 2580
Delta R.T. -0.047 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

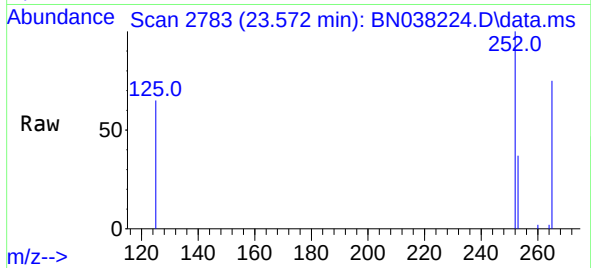
Tgt Ion:252 Resp: 26945
Ion Ratio Lower Upper
252 100
253 32.2 22.4 33.6
125 69.6 17.5 26.3#



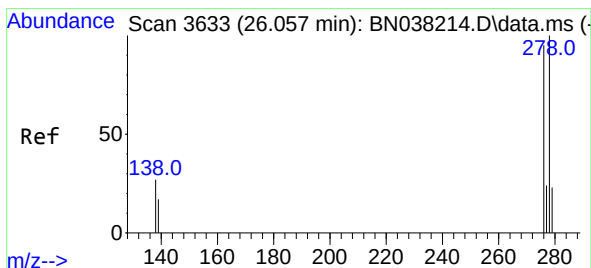
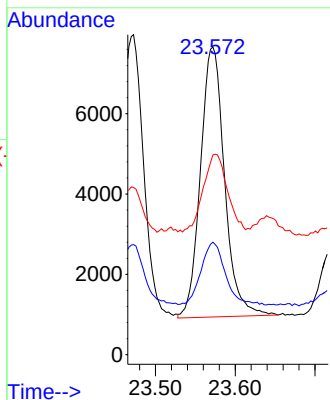


#39
Benzo(a)pyrene
Concen: 0.222 ng
RT: 23.572 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :

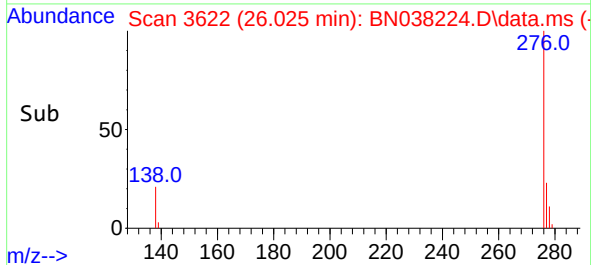
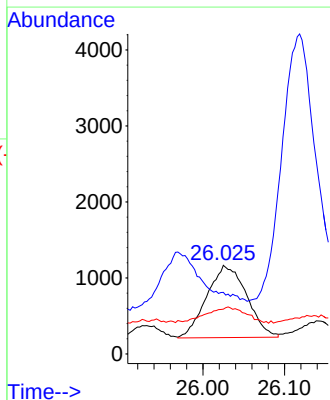
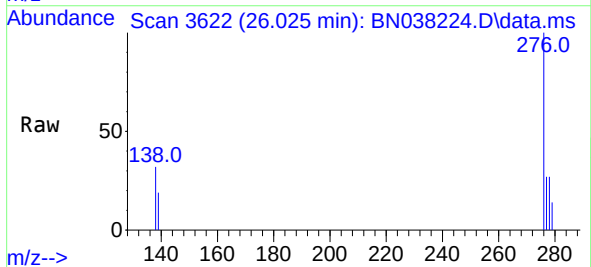


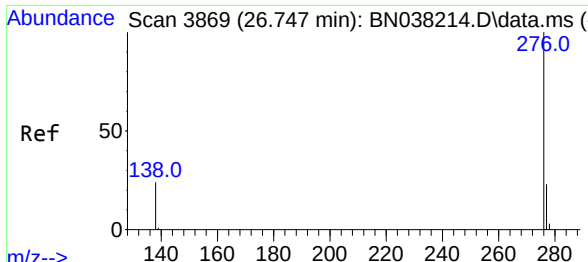
Tgt Ion:252 Resp: 14120
Ion Ratio Lower Upper
252 100
253 36.5 25.3 37.9
125 64.9 25.2 37.8#



#40
Dibenzo(a,h)anthracene
Concen: 0.050 ng
RT: 26.025 min Scan# 3622
Delta R.T. -0.032 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

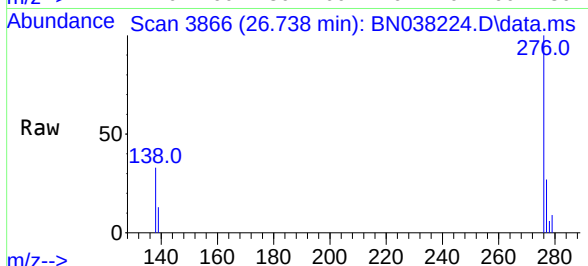
Tgt Ion:278 Resp: 3224
Ion Ratio Lower Upper
278 100
139 69.4 17.6 26.4#
279 50.5 24.2 36.4#





#41
Benzo(g,h,i)perylene
Concen: 0.193 ng
RT: 26.738 min Scan# 3866
Delta R.T. -0.009 min
Lab File: BN038224.D
Acq: 01 Dec 2025 11:35

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:276 Resp: 14918
Ion Ratio Lower Upper
276 100
277 26.6 20.2 30.2
138 33.1 20.8 31.2#

