

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038413.D
 Acq On : 15 Dec 2025 20:10
 Operator : RC/JU
 Sample : Q3839-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B02

Quant Time: Dec 15 23:57:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

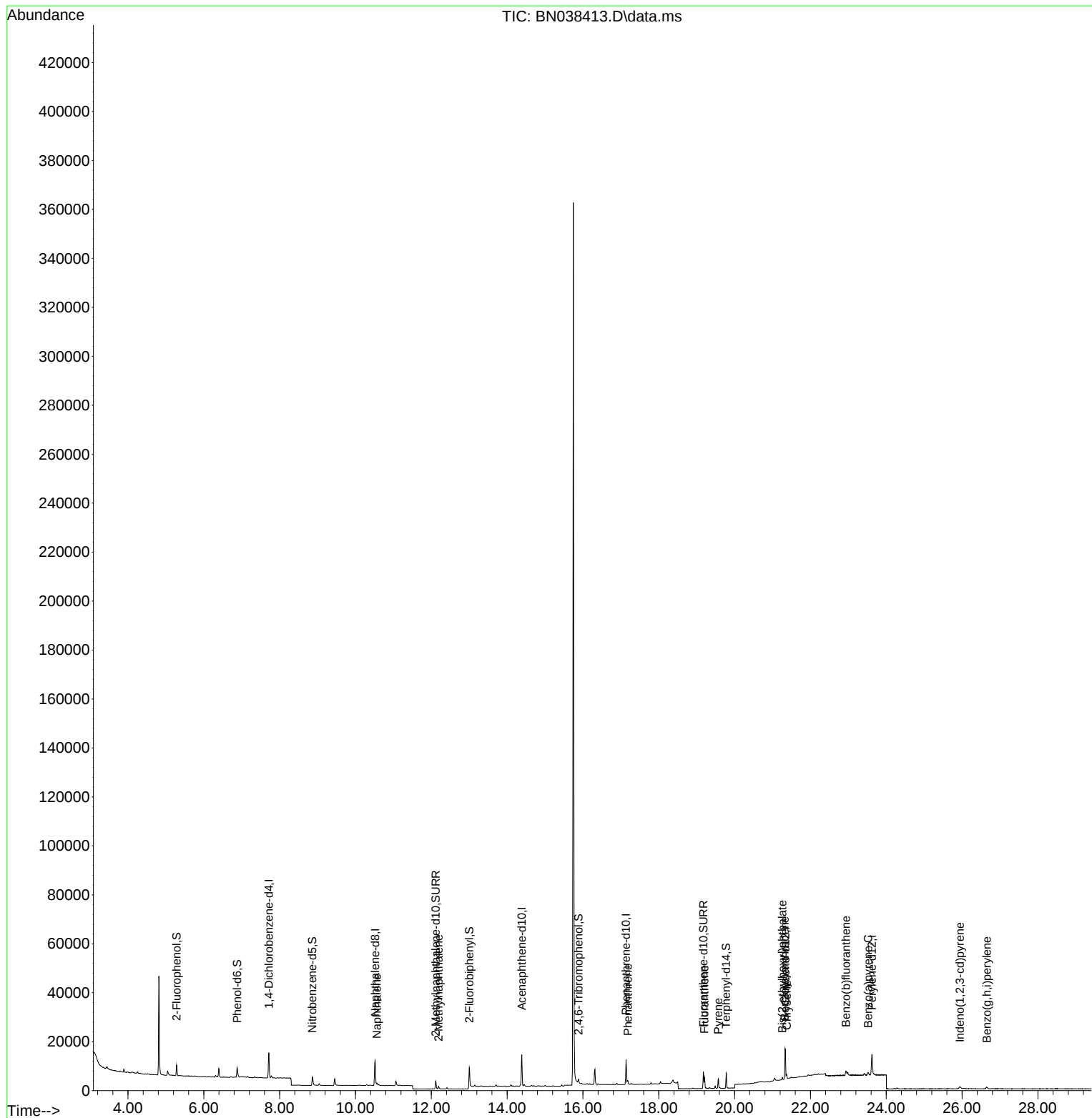
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5438	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14633	0.400	ng	-0.01
13) Acenaphthene-d10	14.388	164	7504	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13610	0.400	ng	#-0.01
29) Chrysene-d12	21.340	240	11303	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	11899	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3491	0.258	ng	0.00
5) Phenol-d6	6.879	99	3947	0.245	ng	0.00
8) Nitrobenzene-d5	8.865	82	3033	0.246	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	4609	0.223	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	821	0.247	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	10397	0.288	ng	0.00
27) Fluoranthene-d10	19.178	212	7478	0.222	ng	0.00
31) Terphenyl-d14	19.777	244	5736	0.227	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.562	128	1143	0.026	ng	# 81
12) 2-Methylnaphthalene	12.192	142	831	0.030	ng	# 90
25) Phenanthrene	17.186	178	1993	0.042	ng	98
28) Fluoranthene	19.206	202	3720	0.074	ng	98
30) Pyrene	19.568	202	3522	0.063	ng	97
32) Benzo(a)anthracene	21.322	228	1680	0.038	ng	# 91
33) Chrysene	21.375	228	1818	0.038	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.259	149	945	0.039	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.940	276	1308	0.021	ng	# 84
37) Benzo(b)fluoranthene	22.935	252	2406	0.044	ng	# 5
39) Benzo(a)pyrene	23.522	252	1499	0.034	ng	# 1
41) Benzo(g,h,i)perylene	26.653	276	1338	0.025	ng	# 64

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

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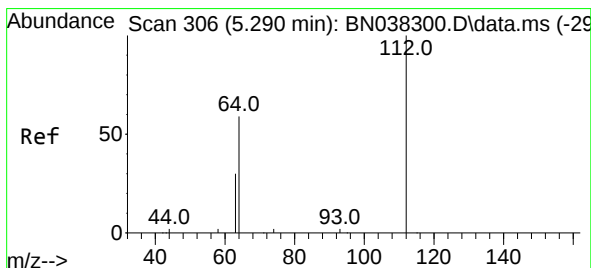
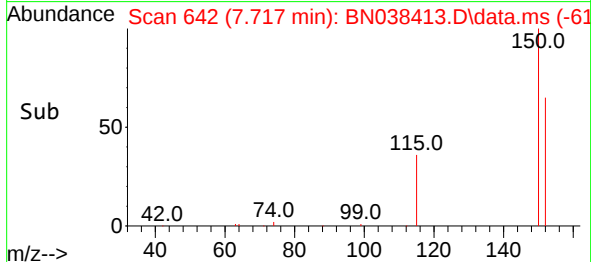
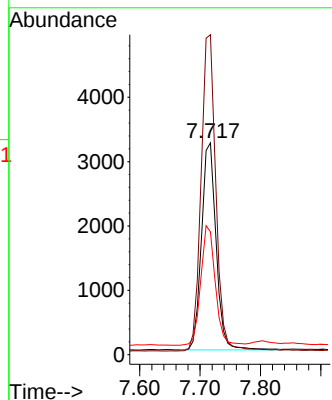
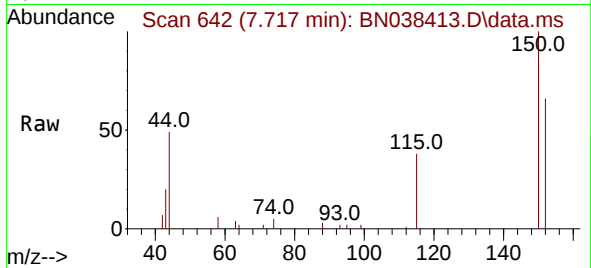




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

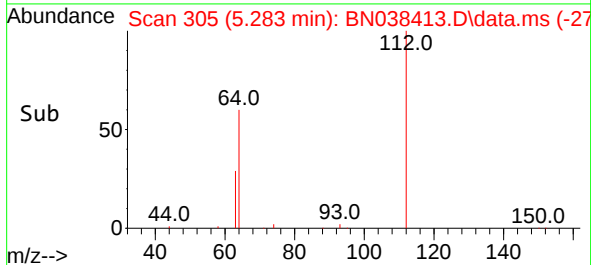
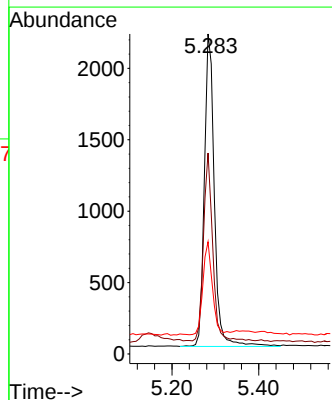
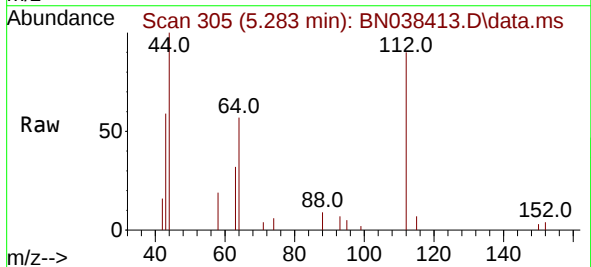
Instrument :
BNA_N
ClientSampleId :
COB02

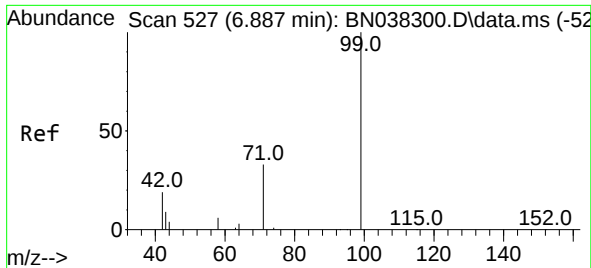
Tgt Ion:152 Resp: 5438
Ion Ratio Lower Upper
152 100
150 151.0 122.4 183.6
115 58.0 47.3 70.9



#4
2-Fluorophenol
Concen: 0.258 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

Tgt Ion:112 Resp: 3491
Ion Ratio Lower Upper
112 100
64 55.8 44.4 66.6
63 28.4 23.4 35.0

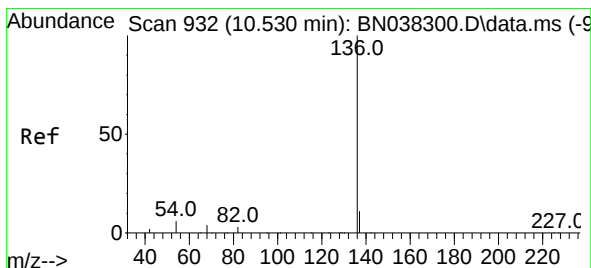
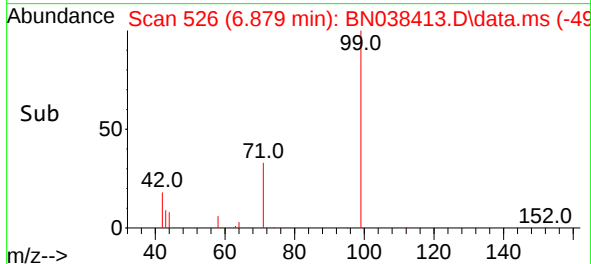
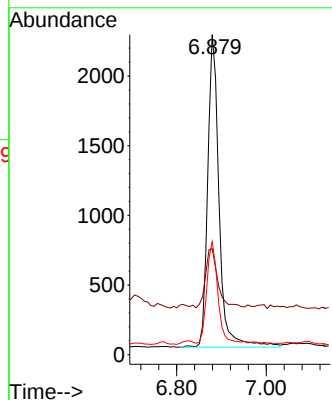
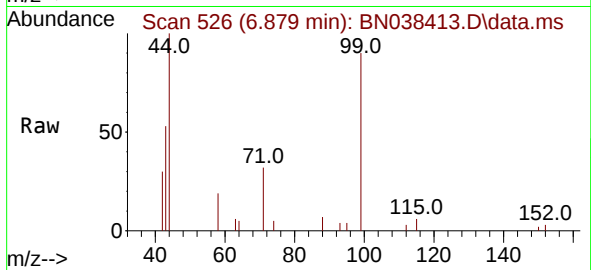




#5
Phenol-d6
Concen: 0.245 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

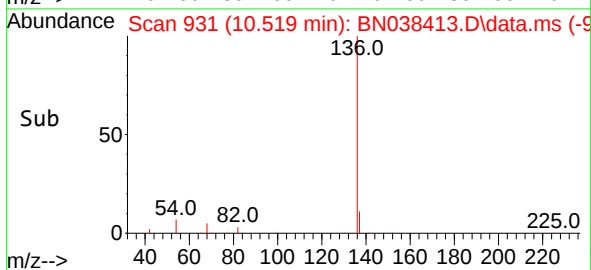
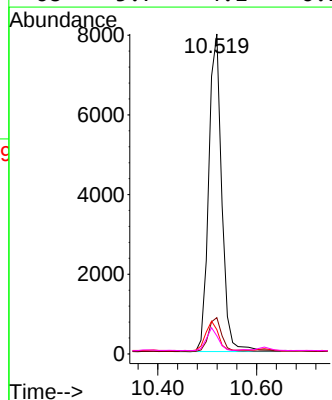
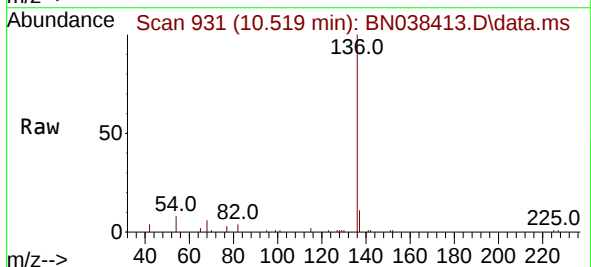
Instrument :
BNA_N
ClientSampleId :
C0B02

Tgt Ion:	99	Resp:	3947
Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.5	24.7
71	31.6	24.9	37.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

Tgt Ion:	136	Resp:	14633
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.6	5.2	7.8
68	5.7	4.1	6.1

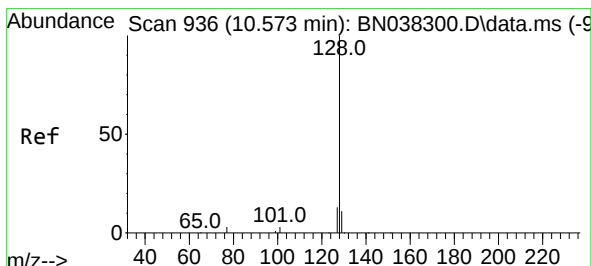
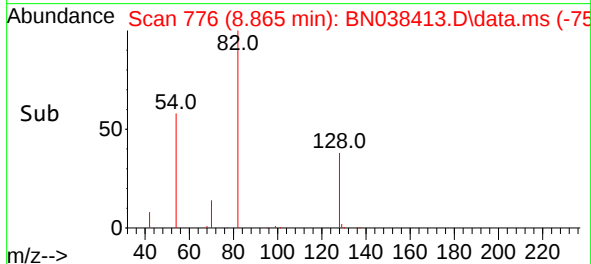
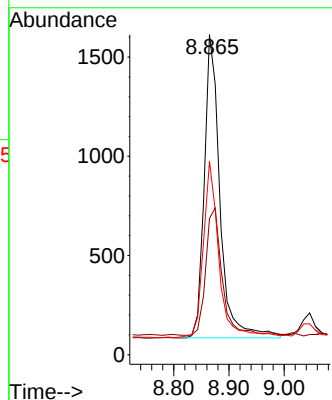
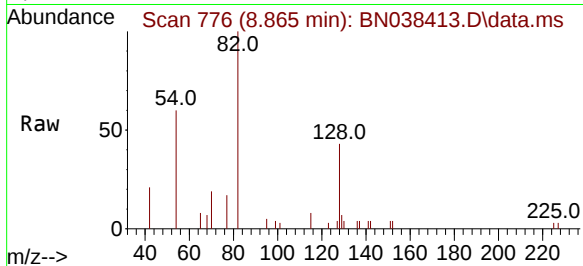




#8
Nitrobenzene-d5
Concen: 0.246 ng
RT: 8.865 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

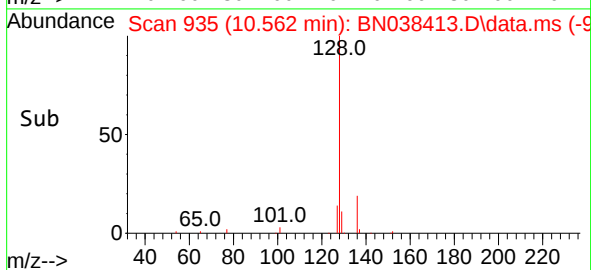
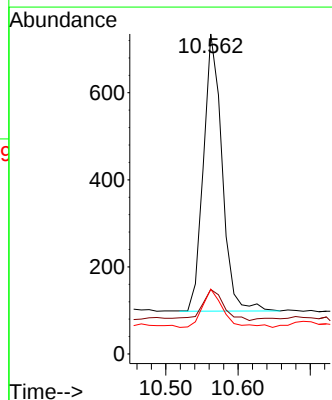
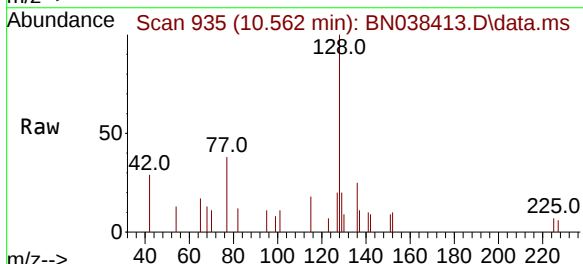
Instrument :
BNA_N
ClientSampleId :
C0B02

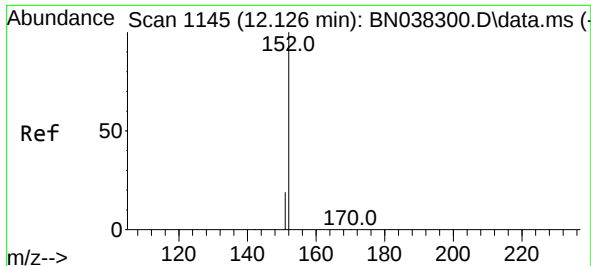
Tgt Ion: 82 Resp: 3033
Ion Ratio Lower Upper
82 100
128 42.6 34.0 51.0
54 60.4 44.4 66.6



#9
Naphthalene
Concen: 0.026 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

Tgt Ion: 128 Resp: 1143
Ion Ratio Lower Upper
128 100
129 20.1 9.1 13.7#
127 20.3 10.9 16.3#

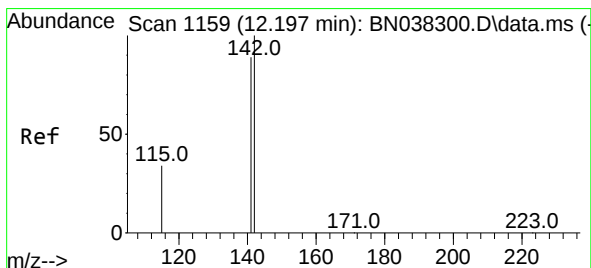
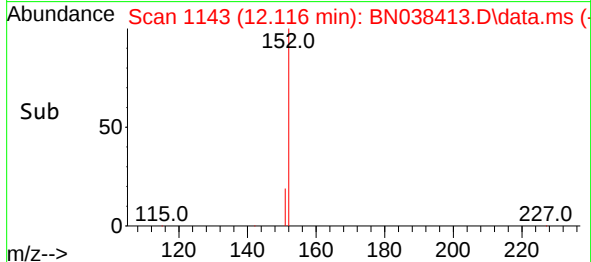
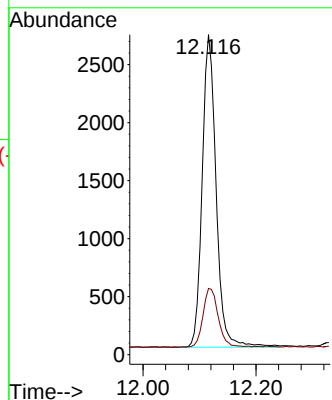
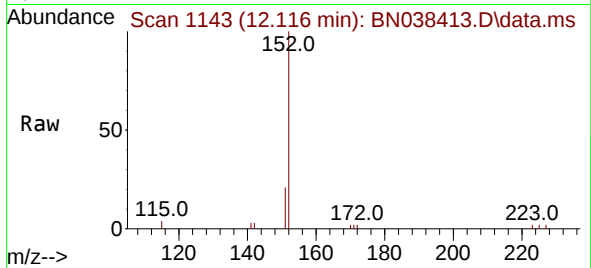




#11
2-Methylnaphthalene-d10
Concen: 0.223 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

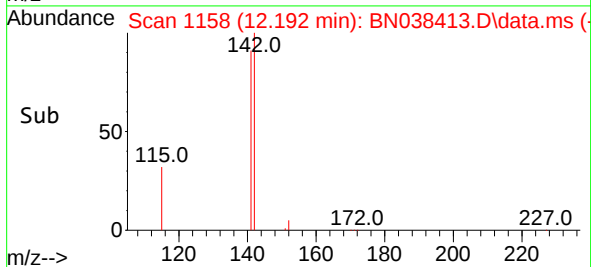
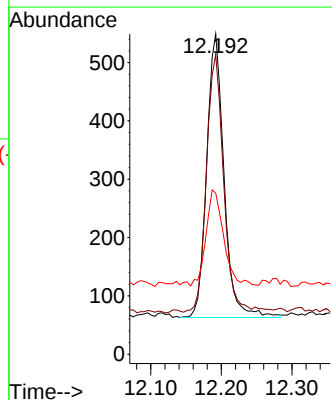
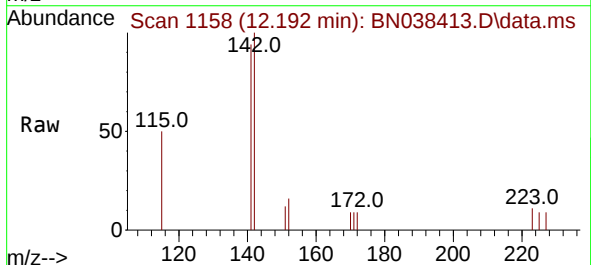
Instrument :
BNA_N
ClientSampleId :
C0B02

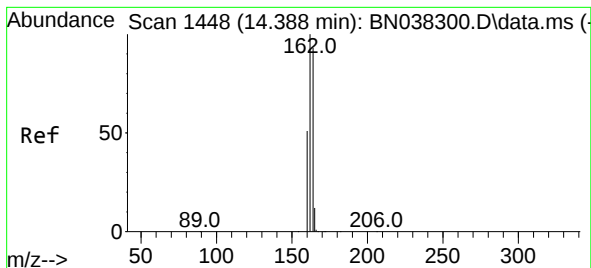
Tgt Ion:152 Resp: 4609
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.030 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

Tgt Ion:142 Resp: 831
Ion Ratio Lower Upper
142 100
141 93.6 71.4 107.2
115 50.3 28.4 42.6#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.388 min Scan# 1448

Delta R.T. -0.011 min

Lab File: BN038413.D

Acq: 15 Dec 2025 20:10

Instrument :

BNA_N

ClientSampleId :

C0B02

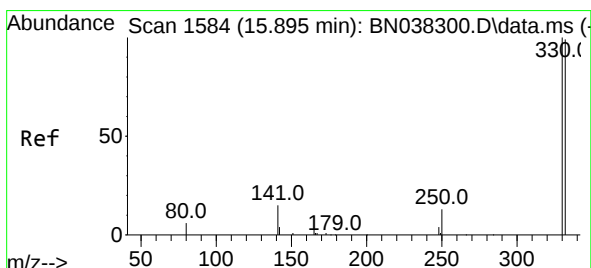
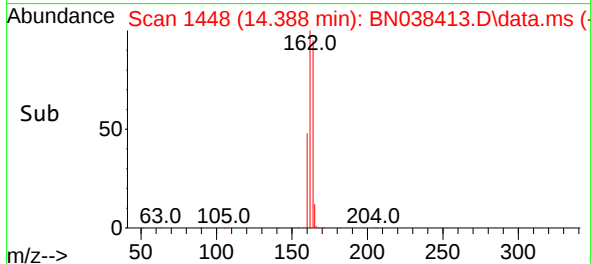
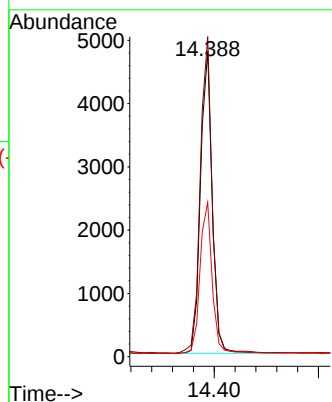
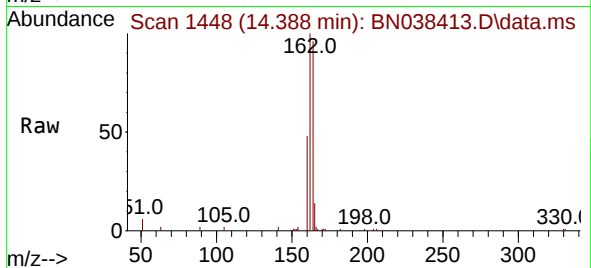
Tgt Ion:164 Resp: 7504

Ion Ratio Lower Upper

164 100

162 104.7 86.2 129.4

160 50.5 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.247 ng

RT: 15.882 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038413.D

Acq: 15 Dec 2025 20:10

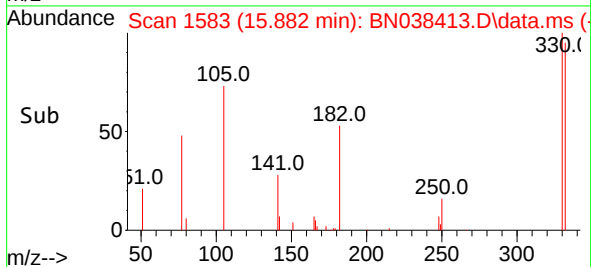
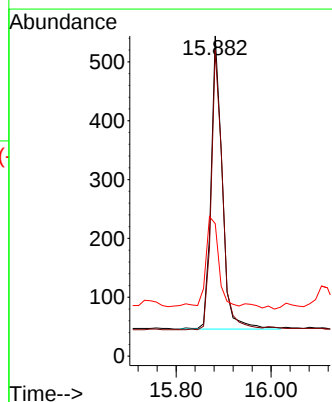
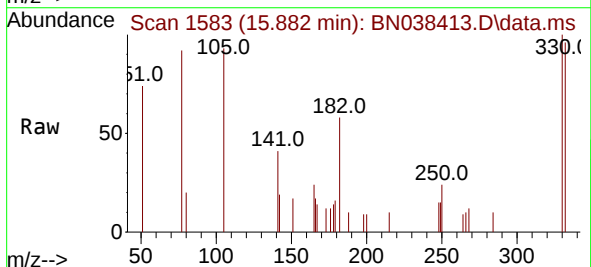
Tgt Ion:330 Resp: 821

Ion Ratio Lower Upper

330 100

332 95.4 75.8 113.6

141 35.1 31.8 47.8

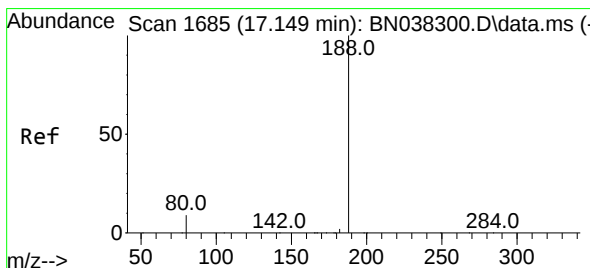
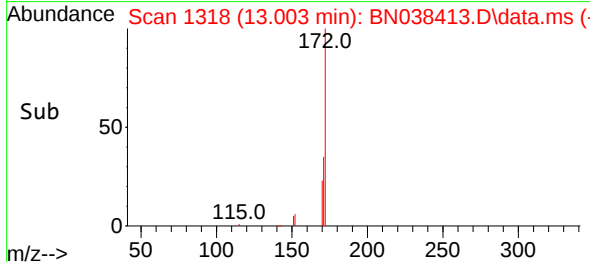
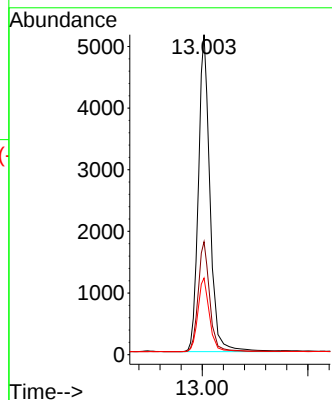
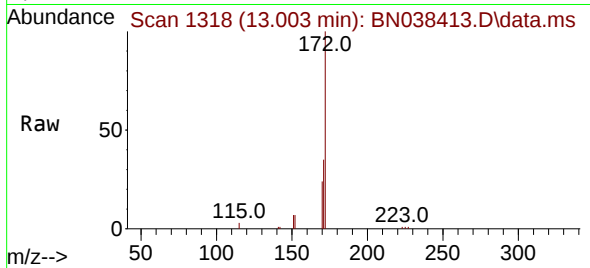




#15
2-Fluorobiphenyl
Concen: 0.288 ng
RT: 13.003 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

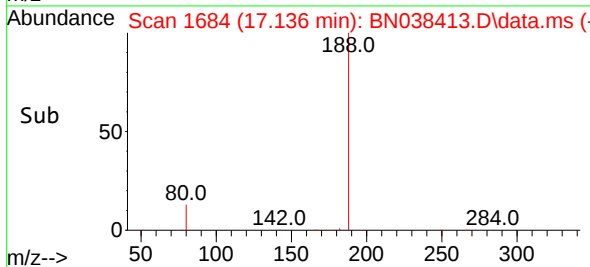
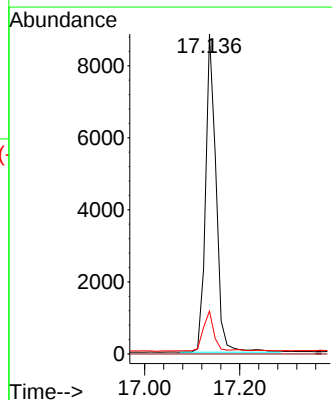
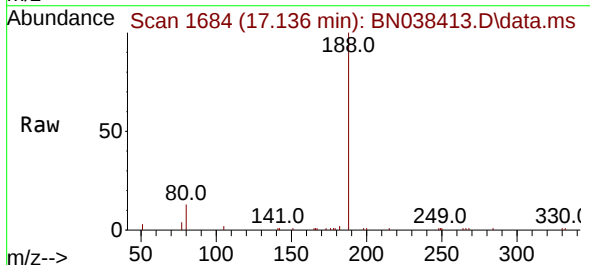
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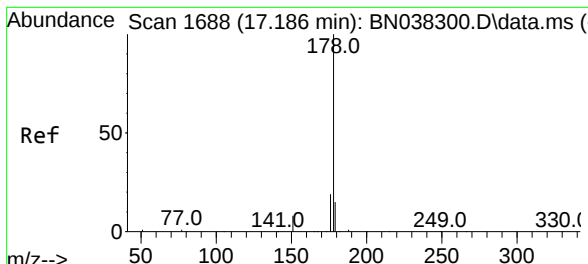
Tgt Ion:	172	Resp:	10397
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.6	42.8
170	23.9	19.3	28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

Tgt Ion:	188	Resp:	13610
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	13.4	7.4	11.0

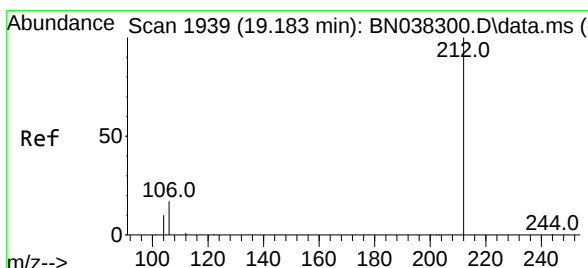
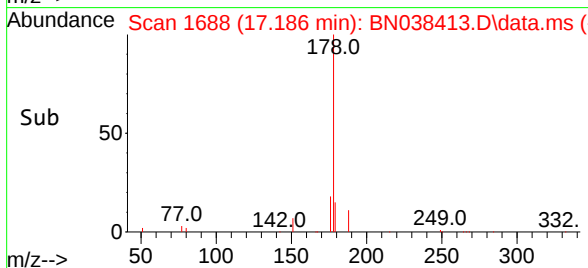
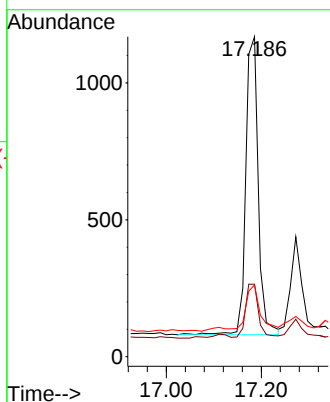
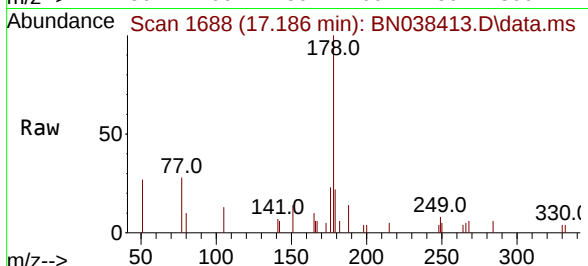




#25
Phenanthrene
Concen: 0.042 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

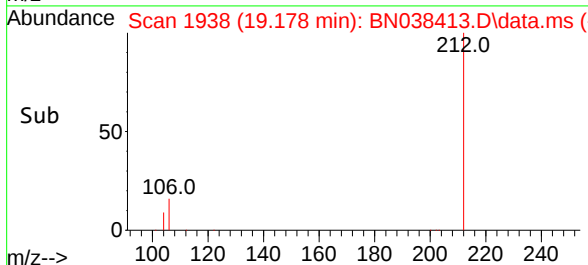
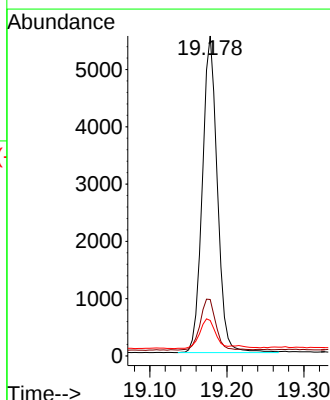
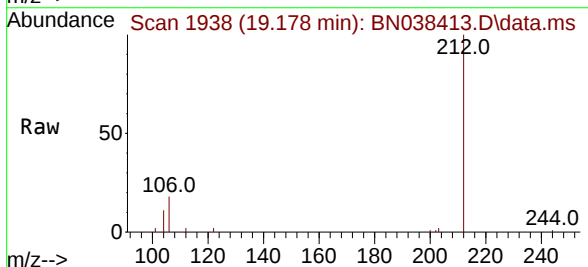
Instrument :
BNA_N
ClientSampleId :
C0B02

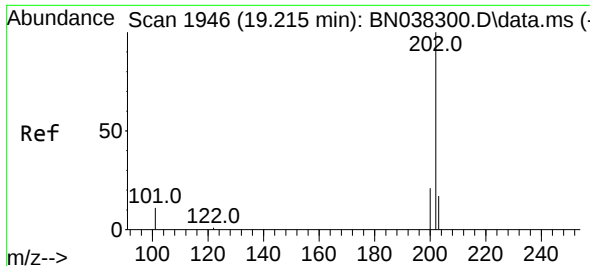
Tgt Ion:	178	Resp:	1993
Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	15.7	12.2	18.2



#27
Fluoranthene-d10
Concen: 0.222 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

Tgt Ion:	212	Resp:	7478
Ion	Ratio	Lower	Upper
212	100		
106	16.7	13.7	20.5
104	9.8	7.8	11.8

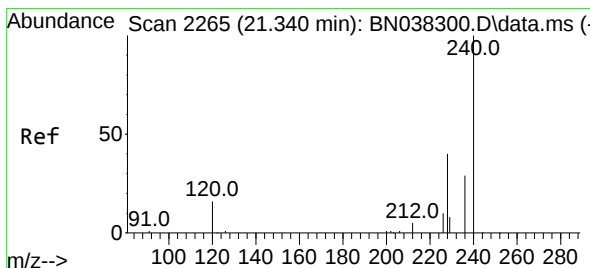
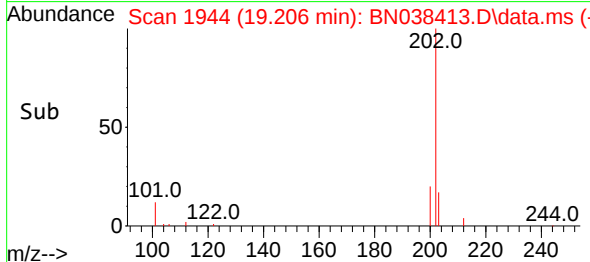
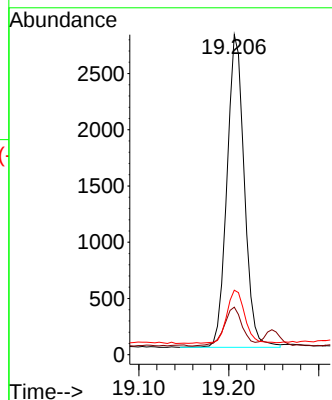
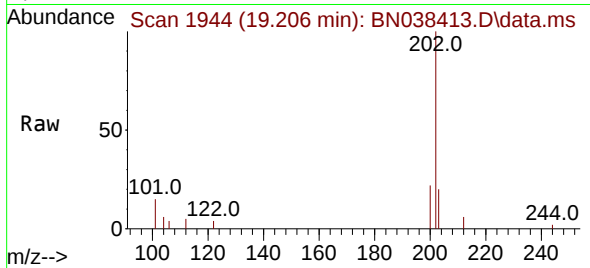




#28
Fluoranthene
Concen: 0.074 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

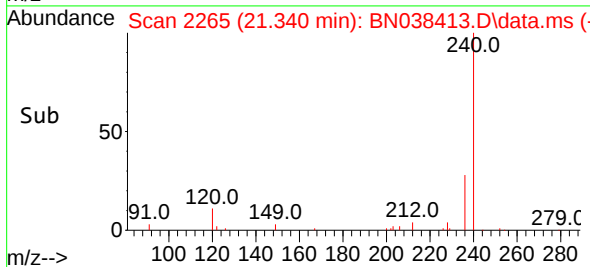
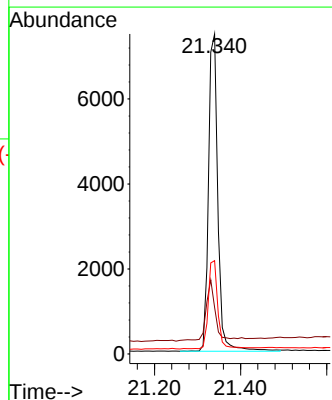
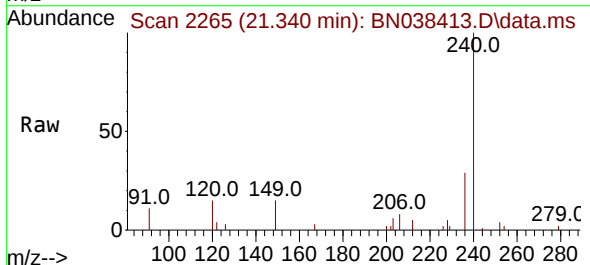
Instrument :
BNA_N
ClientSampleId :
C0B02

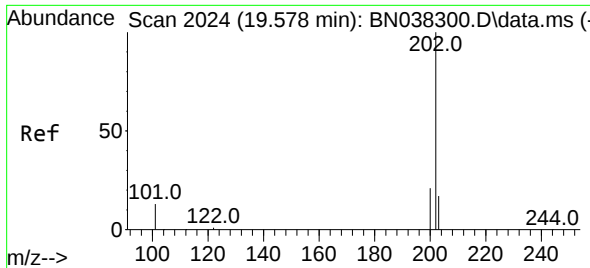
Tgt Ion:202 Resp: 3720
Ion Ratio Lower Upper
202 100
101 13.1 9.6 14.4
203 17.7 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

Tgt Ion:240 Resp: 11303
Ion Ratio Lower Upper
240 100
120 14.5 15.4 23.2#
236 29.2 23.9 35.9

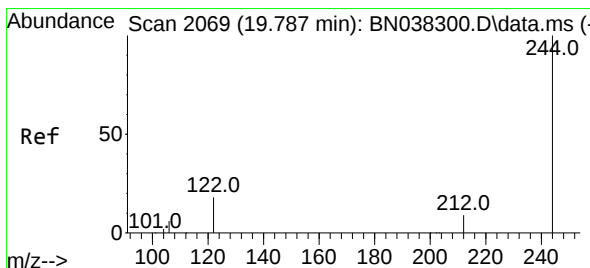
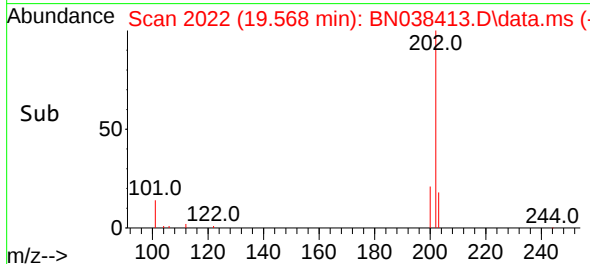
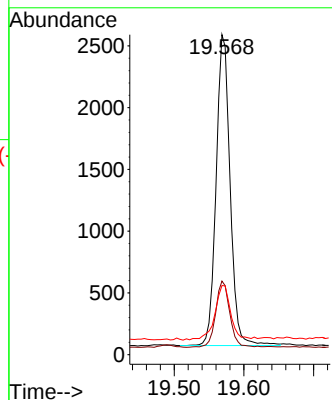
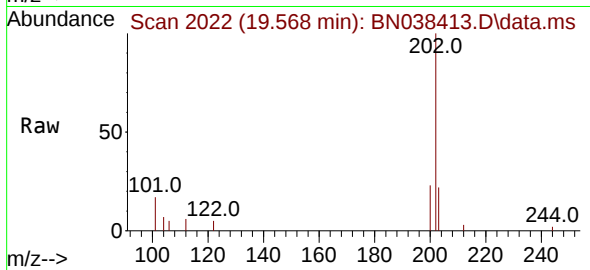




#30
 Pyrene
 Concen: 0.063 ng
 RT: 19.568 min Scan# 2022
 Delta R.T. -0.014 min
 Lab File: BN038413.D
 Acq: 15 Dec 2025 20:10

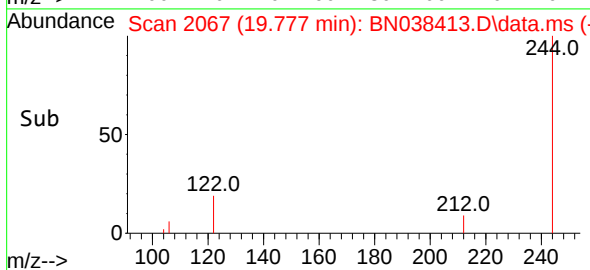
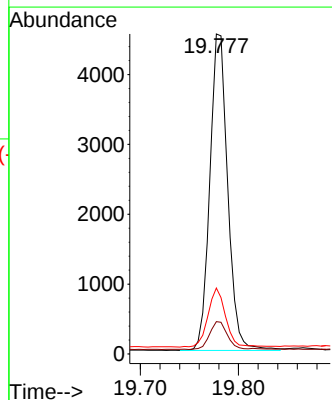
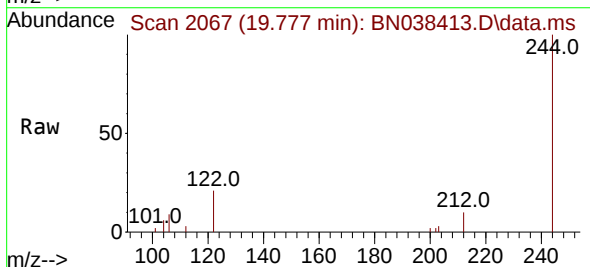
Instrument :
 BNA_N
 ClientSampleId :
 C0B02

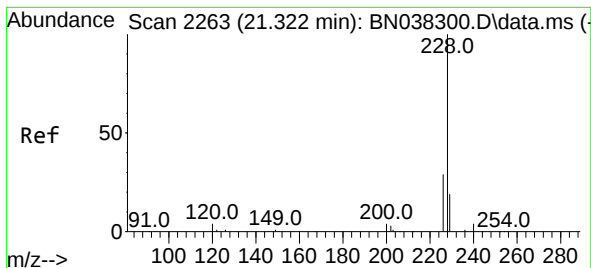
Tgt Ion:	202	Resp:	3522
Ion Ratio	Lower	Upper	
202	100		
200	21.7	16.9	25.3
203	19.9	14.2	21.2



#31
 Terphenyl-d14
 Concen: 0.227 ng
 RT: 19.777 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038413.D
 Acq: 15 Dec 2025 20:10

Tgt Ion:	244	Resp:	5736
Ion Ratio	Lower	Upper	
244	100		
212	10.1	7.9	11.9
122	20.6	15.0	22.6





#32

Benzo(a)anthracene

Concen: 0.038 ng

RT: 21.322 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038413.D

Acq: 15 Dec 2025 20:10

Instrument :

BNA_N

ClientSampleId :

C0B02

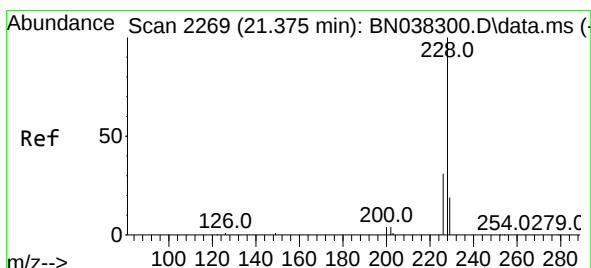
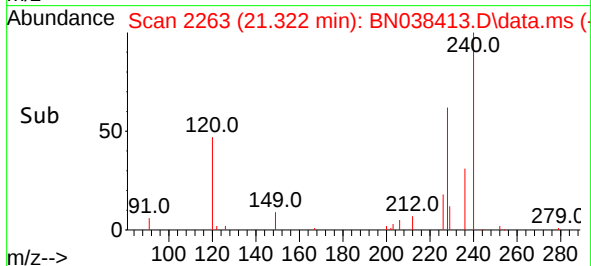
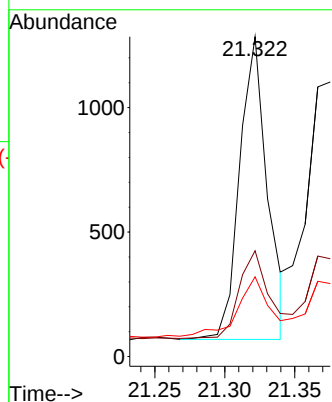
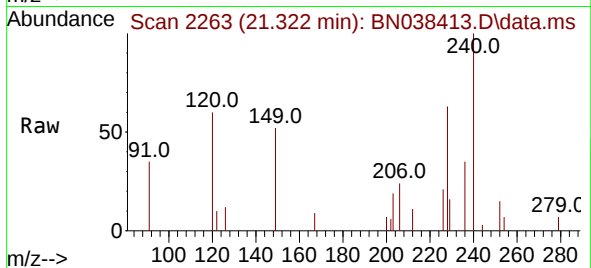
Tgt Ion:228 Resp: 1680

Ion Ratio Lower Upper

228 100

226 33.1 23.3 34.9

229 24.9 15.7 23.5#



#33

Chrysene

Concen: 0.038 ng

RT: 21.375 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BN038413.D

Acq: 15 Dec 2025 20:10

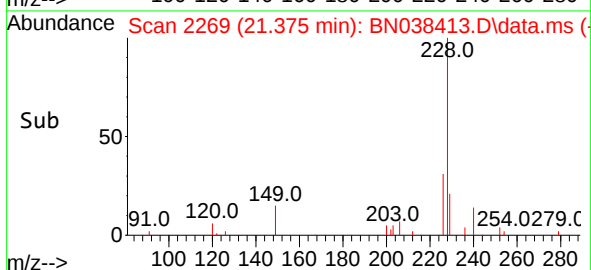
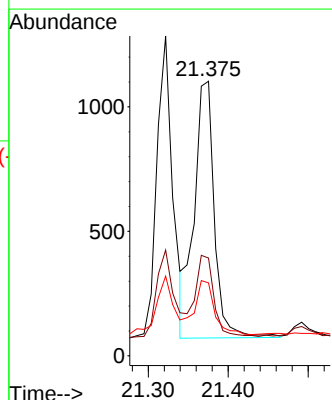
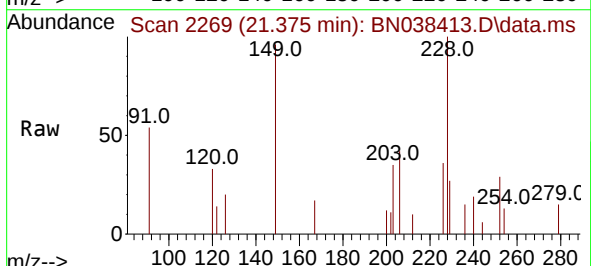
Tgt Ion:228 Resp: 1818

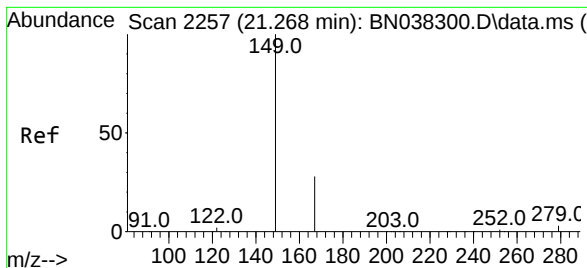
Ion Ratio Lower Upper

228 100

226 35.6 25.0 37.4

229 26.6 15.5 23.3#

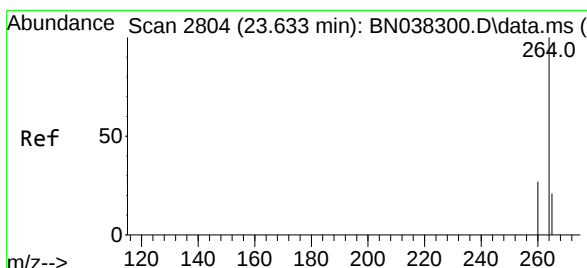
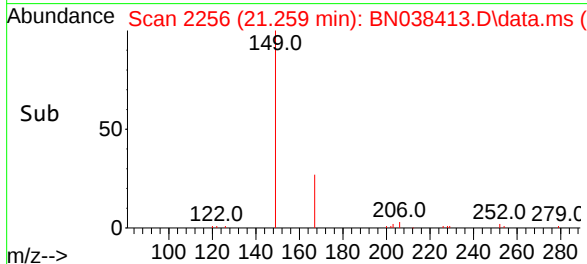
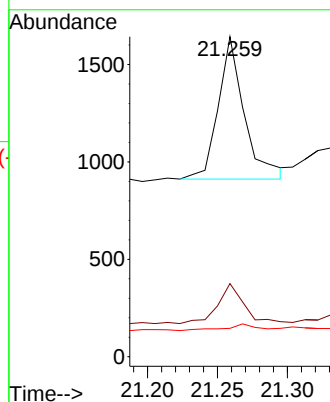
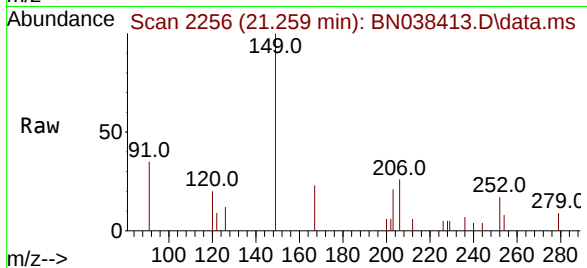




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.039 ng
 RT: 21.259 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN038413.D
 Acq: 15 Dec 2025 20:10

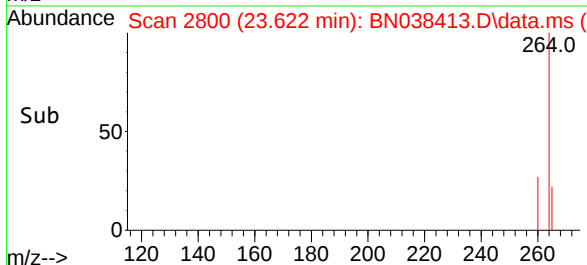
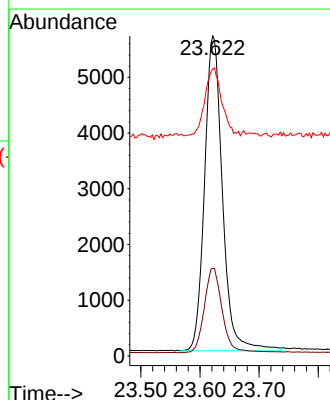
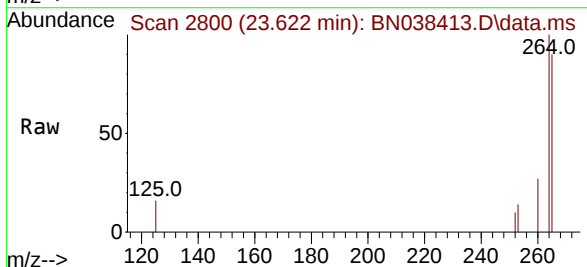
Instrument :
 BNA_N
 ClientSampleId :
 COB02

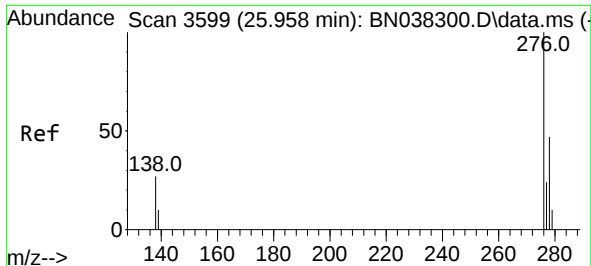
Tgt Ion:149 Resp: 945
 Ion Ratio Lower Upper
 149 100
 167 28.6 21.4 32.0
 279 5.5 2.4 3.6#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.622 min Scan# 2800
 Delta R.T. -0.012 min
 Lab File: BN038413.D
 Acq: 15 Dec 2025 20:10

Tgt Ion:264 Resp: 11899
 Ion Ratio Lower Upper
 264 100
 260 27.4 22.2 33.2
 265 89.7 80.2 120.2

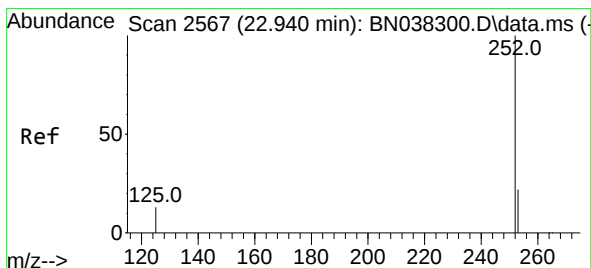
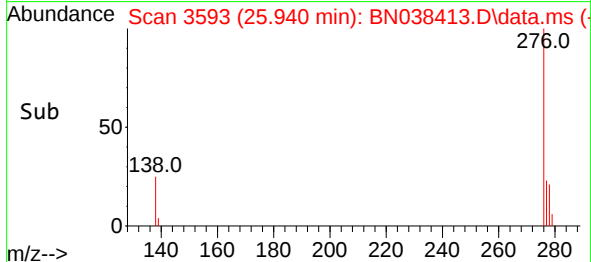
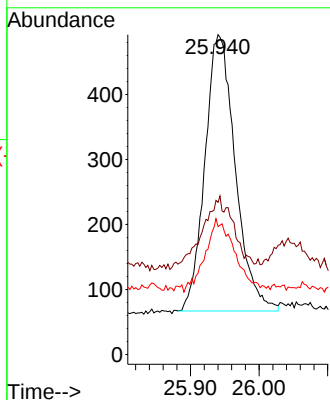
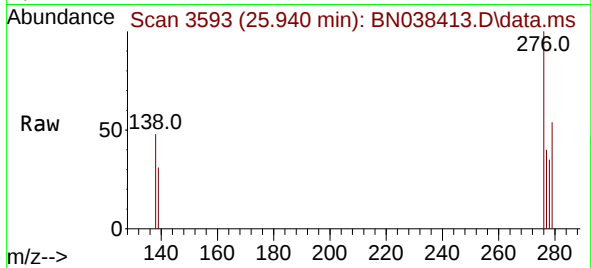




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.021 ng
RT: 25.940 min Scan# 3599
Delta R.T. -0.023 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

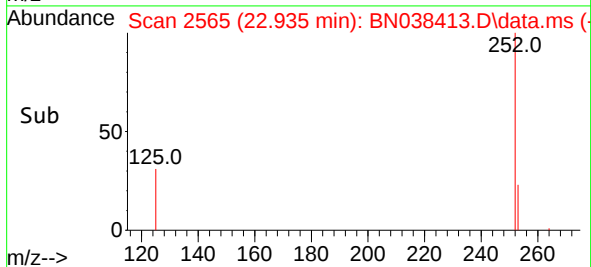
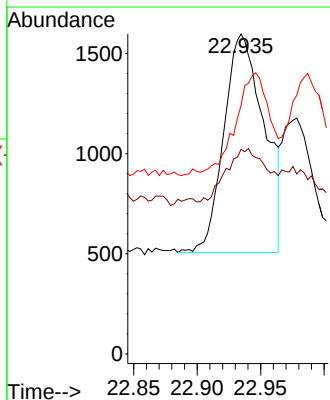
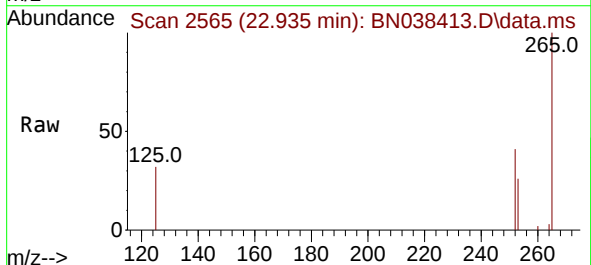
Instrument :
BNA_N
ClientSampleId :
C0B02

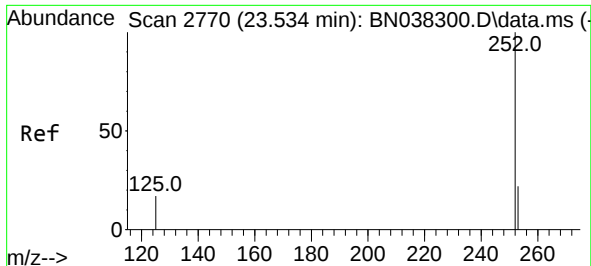
Tgt Ion:276 Resp: 1308
Ion Ratio Lower Upper
276 100
138 15.1 23.6 35.4#
277 26.1 19.7 29.5



#37
Benzo(b)fluoranthene
Concen: 0.044 ng
RT: 22.935 min Scan# 2565
Delta R.T. -0.012 min
Lab File: BN038413.D
Acq: 15 Dec 2025 20:10

Tgt Ion:252 Resp: 2406
Ion Ratio Lower Upper
252 100
253 63.9 21.1 31.7#
125 77.7 16.4 24.6#





#39

Benzo(a)pyrene

Concen: 0.034 ng

RT: 23.522 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN038413.D

Acq: 15 Dec 2025 20:10

Instrument :

BNA_N

ClientSampleId :

C0B02

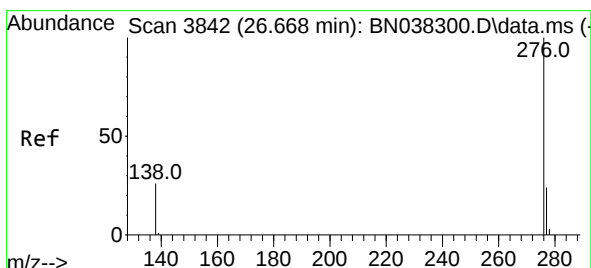
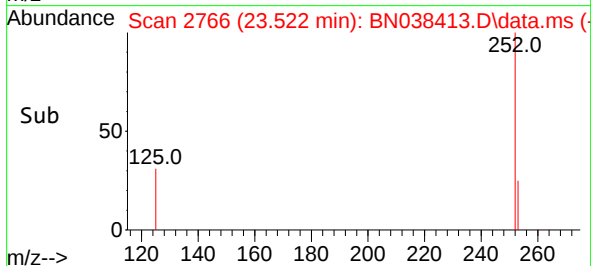
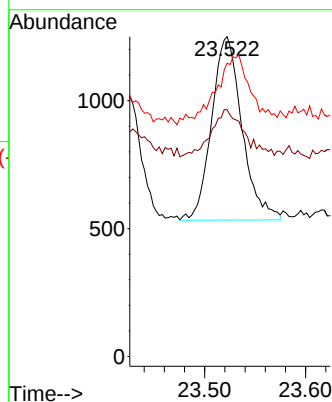
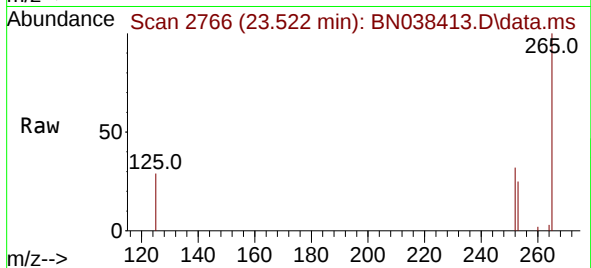
Tgt Ion:252 Resp: 1499

Ion Ratio Lower Upper

252 100

253 77.2 23.3 34.9#

125 91.7 22.4 33.6#



#41

Benzo(g,h,i)perylene

Concen: 0.025 ng

RT: 26.653 min Scan# 3837

Delta R.T. -0.023 min

Lab File: BN038413.D

Acq: 15 Dec 2025 20:10

Tgt Ion:276 Resp: 1338

Ion Ratio Lower Upper

276 100

277 41.8 20.0 30.0#

138 47.3 21.8 32.6#

