

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038412.D
 Acq On : 15 Dec 2025 19:33
 Operator : RC/JU
 Sample : Q3839-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

Quant Time: Dec 15 23:57:23 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)

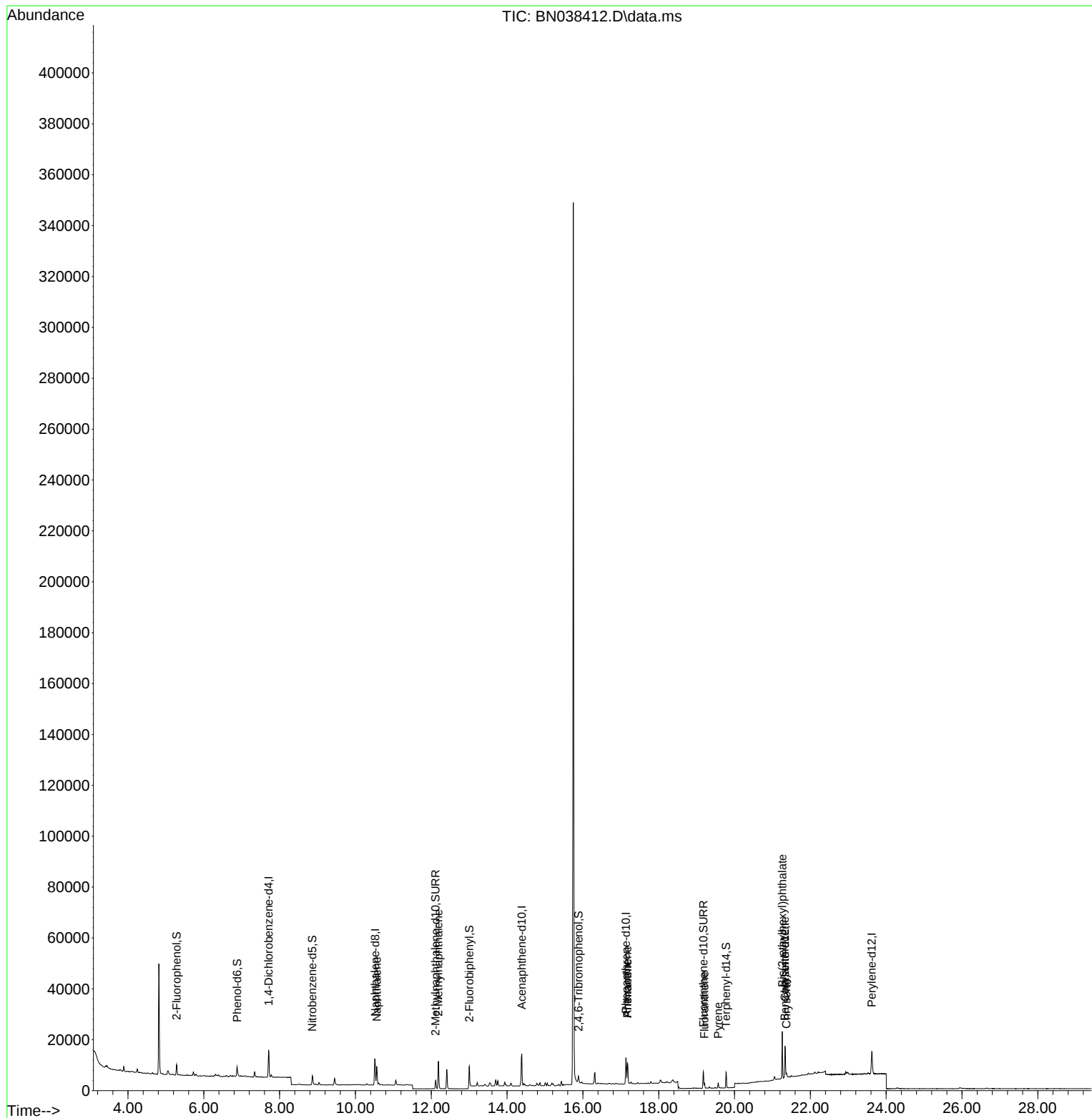
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	5315	0.400	ng	-0.01
7) Naphthalene-d8	10.519	136	14449	0.400	ng	-0.01
13) Acenaphthene-d10	14.388	164	7410	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13204	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	11669	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	12359	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3232	0.244	ng	0.00
5) Phenol-d6	6.879	99	3697	0.235	ng	0.00
8) Nitrobenzene-d5	8.865	82	3159	0.259	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	4529	0.222	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	762	0.232	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	10344	0.290	ng	0.00
27) Fluoranthene-d10	19.178	212	7294	0.223	ng	0.00
31) Terphenyl-d14	19.777	244	5891	0.226	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.562	128	9437	0.221	ng	98
12) 2-Methylnaphthalene	12.187	142	8073	0.298	ng	99
25) Phenanthrene	17.173	178	9794	0.213	ng	99
26) Anthracene	17.173	178	9782	0.247	ng	99
28) Fluoranthene	19.206	202	1624	0.033	ng	# 91
30) Pyrene	19.568	202	1774	0.031	ng	97
32) Benzo(a)anthracene	21.322	228	983	0.022	ng	# 78
33) Chrysene	21.366	228	1736	0.035	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.259	149	15143	0.612	ng	98

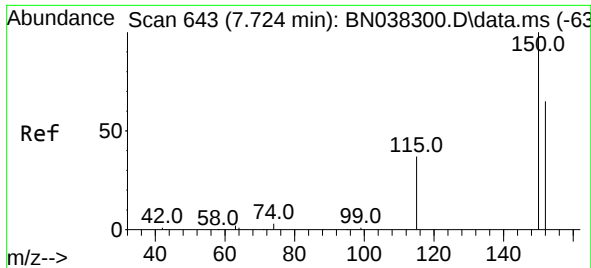
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
Data File : BN038412.D
Acq On : 15 Dec 2025 19:33
Operator : RC/JU
Sample : Q3839-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
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Quant Time: Dec 15 23:57:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
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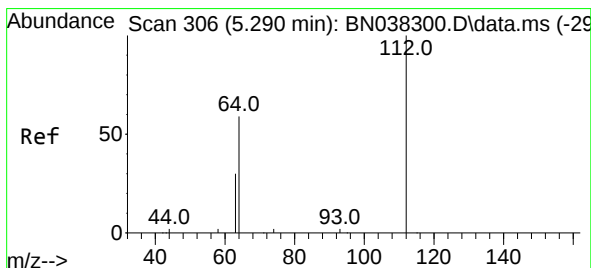
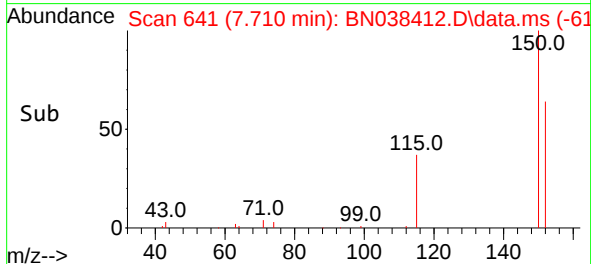
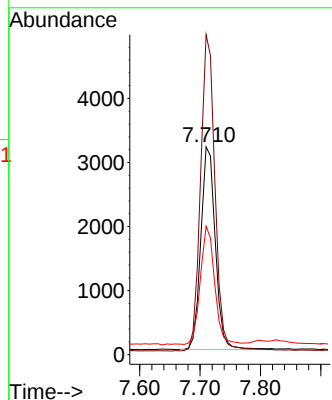
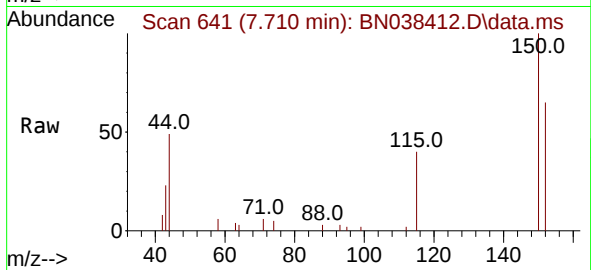




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 641
 Delta R.T. -0.014 min
 Lab File: BN038412.D
 Acq: 15 Dec 2025 19:33

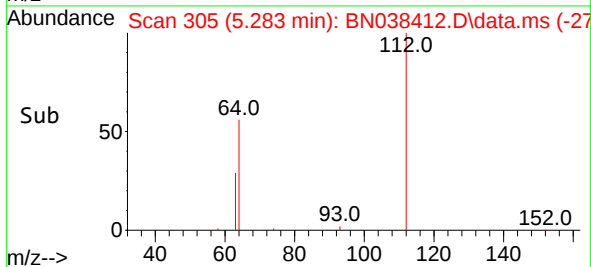
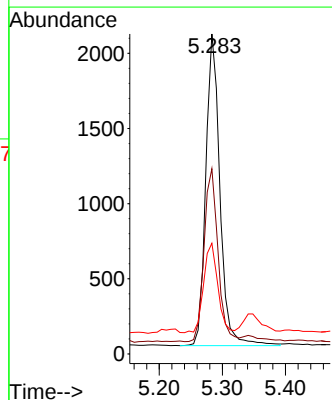
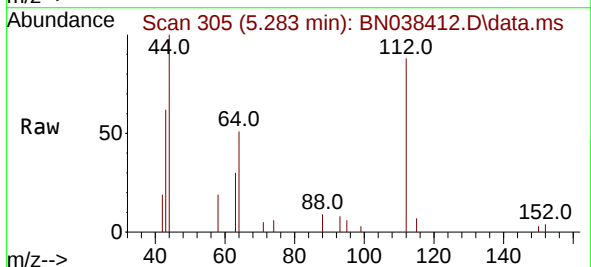
Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

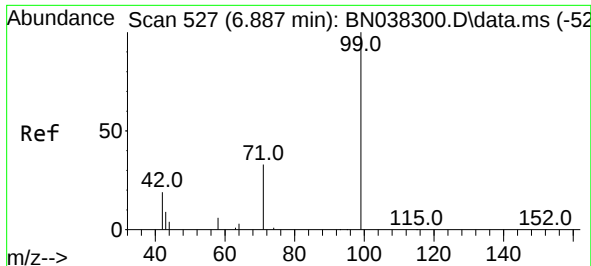
Tgt Ion:152 Resp: 5315
 Ion Ratio Lower Upper
 152 100
 150 154.0 122.4 183.6
 115 61.7 47.3 70.9



#4
 2-Fluorophenol
 Concen: 0.244 ng
 RT: 5.283 min Scan# 305
 Delta R.T. -0.007 min
 Lab File: BN038412.D
 Acq: 15 Dec 2025 19:33

Tgt Ion:112 Resp: 3232
 Ion Ratio Lower Upper
 112 100
 64 54.5 44.4 66.6
 63 28.7 23.4 35.0

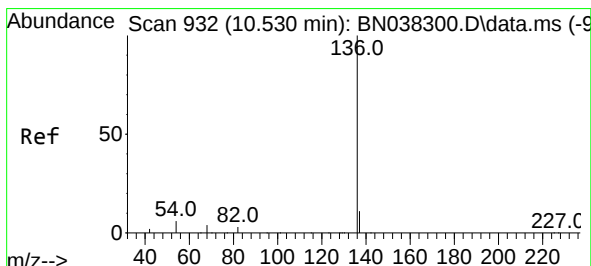
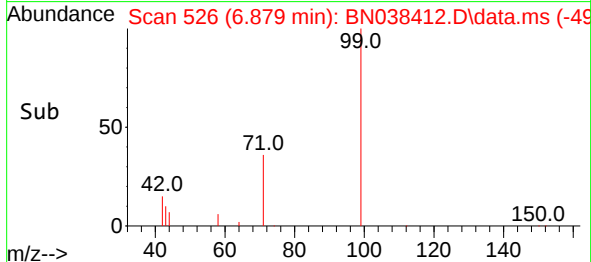
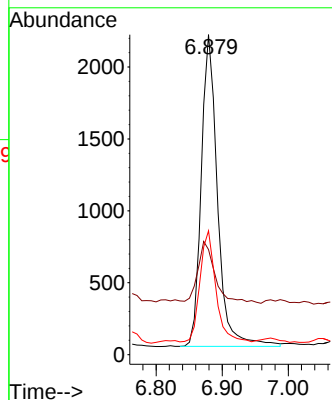
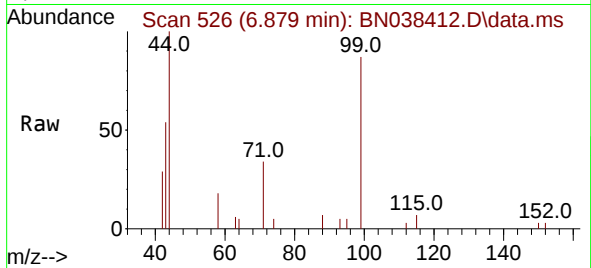




#5
Phenol-d6
Concen: 0.235 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038412.D
Acq: 15 Dec 2025 19:33

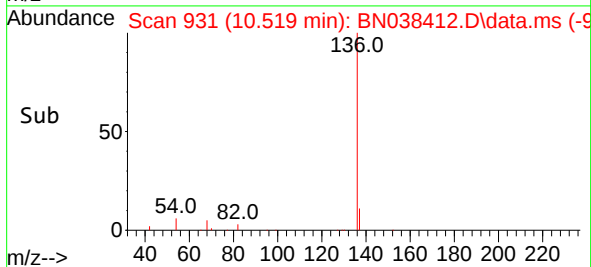
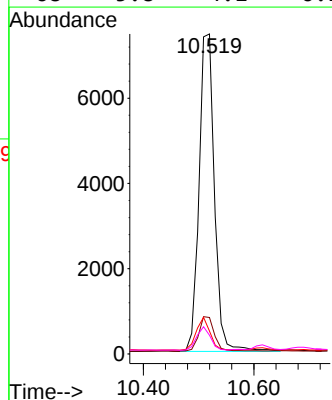
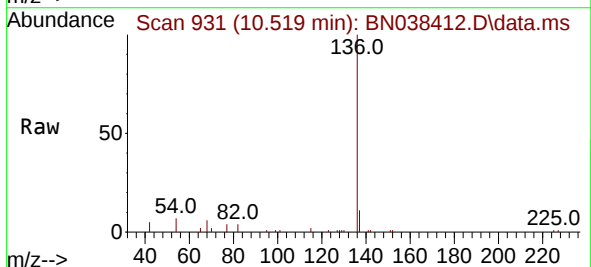
Instrument :
BNA_N
ClientSampleId :
C0AS4

Tgt Ion: 99 Resp: 3697
Ion Ratio Lower Upper
99 100
42 21.2 16.5 24.7
71 35.4 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: BN038412.D
Acq: 15 Dec 2025 19:33

Tgt Ion: 136 Resp: 14449
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.2 5.2 7.8
68 5.8 4.1 6.1

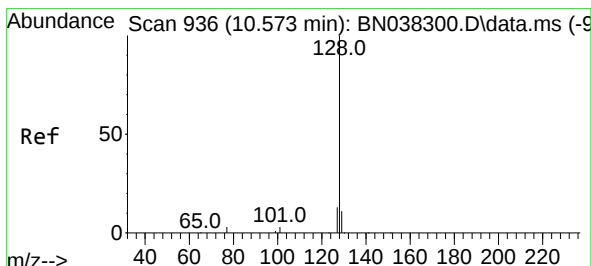
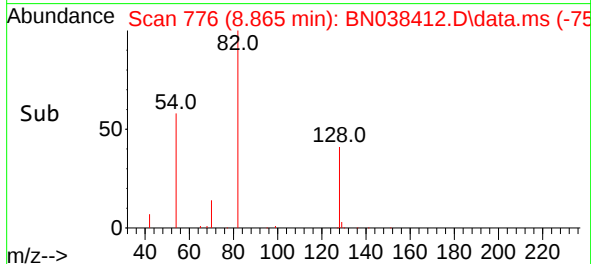
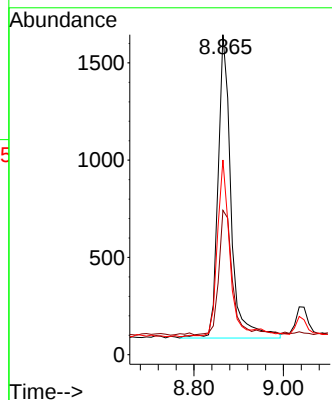
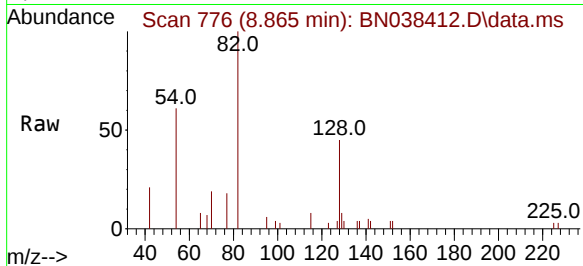




#8
Nitrobenzene-d5
Concen: 0.259 ng
RT: 8.865 min Scan# 777
Delta R.T. -0.011 min
Lab File: BN038412.D
Acq: 15 Dec 2025 19:33

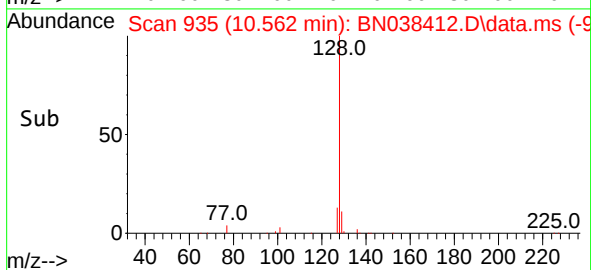
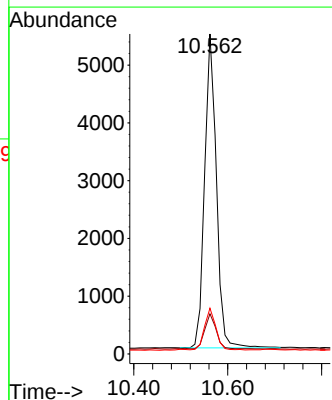
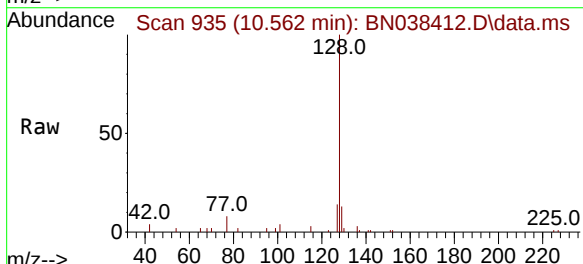
Instrument :
BNA_N
ClientSampleId :
C0AS4

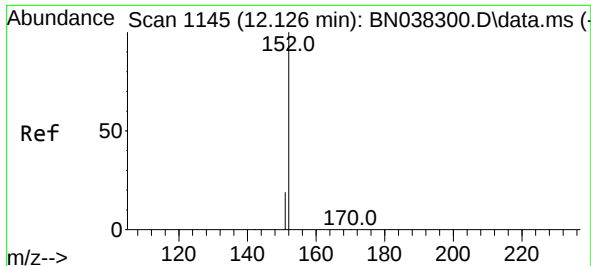
Tgt Ion: 82 Resp: 3159
Ion Ratio Lower Upper
82 100
128 45.1 34.0 51.0
54 60.9 44.4 66.6



#9
Naphthalene
Concen: 0.221 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038412.D
Acq: 15 Dec 2025 19:33

Tgt Ion: 128 Resp: 9437
Ion Ratio Lower Upper
128 100
129 12.5 9.1 13.7
127 14.3 10.9 16.3

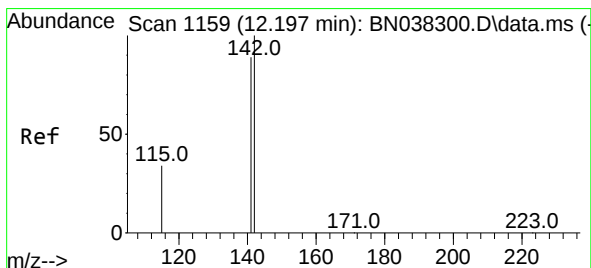
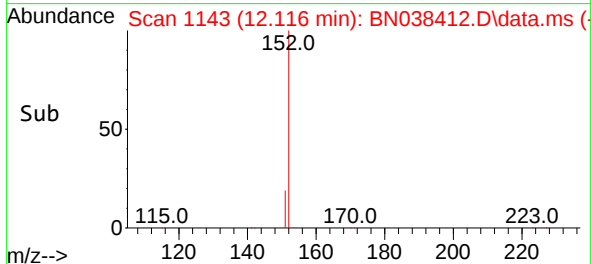
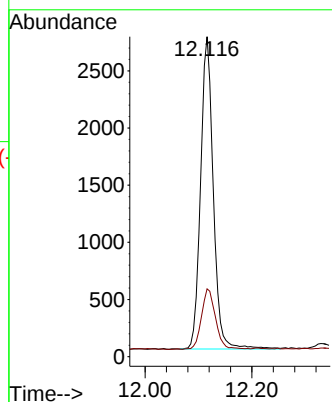
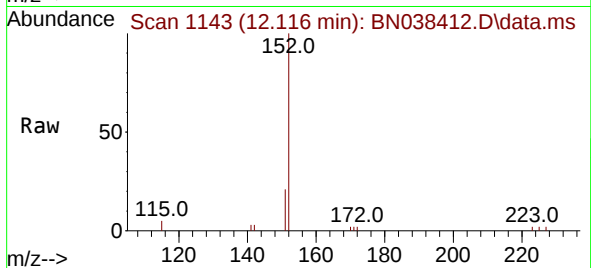




#11
2-Methylnaphthalene-d10
Concen: 0.222 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038412.D
Acq: 15 Dec 2025 19:33

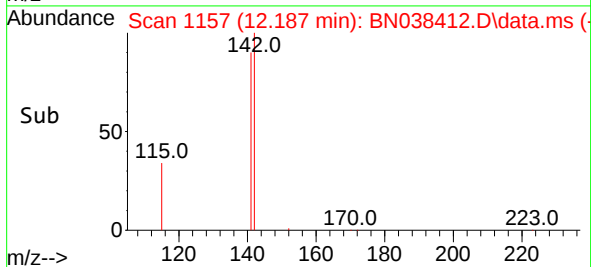
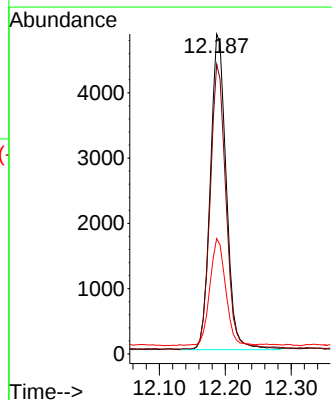
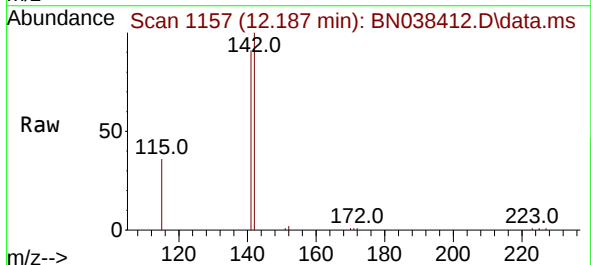
Instrument :
BNA_N
ClientSampleId :
C0AS4

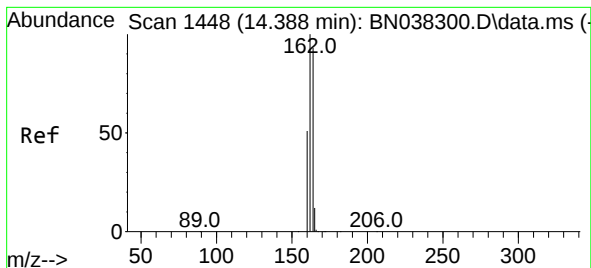
Tgt Ion:152 Resp: 4529
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.298 ng
RT: 12.187 min Scan# 1157
Delta R.T. -0.015 min
Lab File: BN038412.D
Acq: 15 Dec 2025 19:33

Tgt Ion:142 Resp: 8073
Ion Ratio Lower Upper
142 100
141 90.5 71.4 107.2
115 36.1 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: BN038412.D

Acq: 15 Dec 2025 19:33

Instrument :

BNA_N

ClientSampleId :

C0AS4

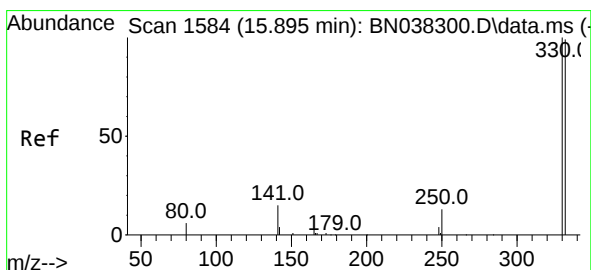
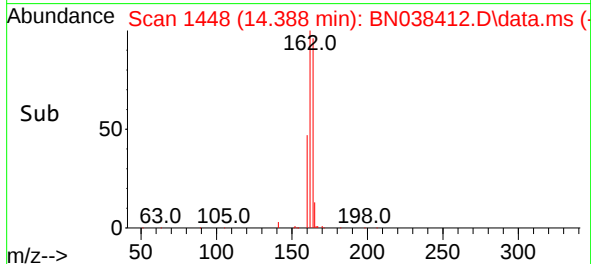
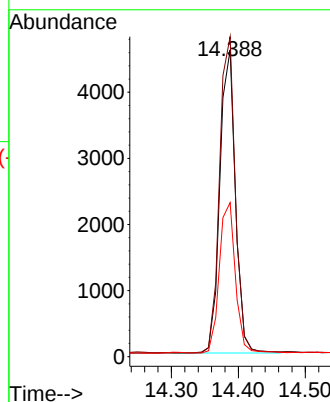
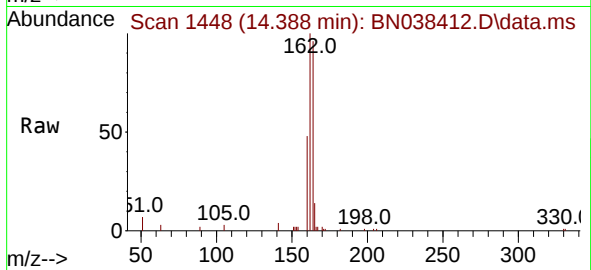
Tgt Ion:164 Resp: 7410

Ion Ratio Lower Upper

164 100

162 104.3 86.2 129.4

160 50.2 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.232 ng

RT: 15.882 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038412.D

Acq: 15 Dec 2025 19:33

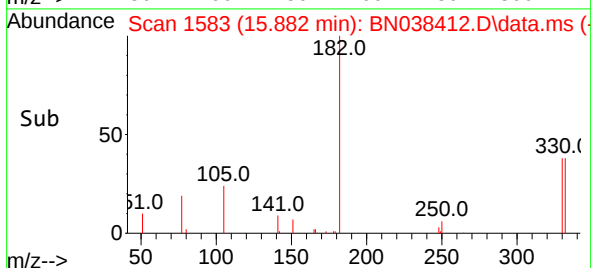
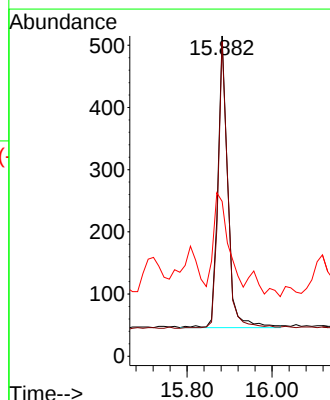
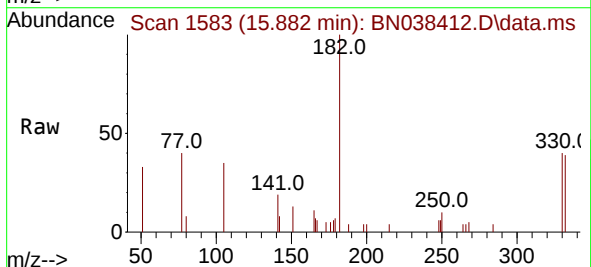
Tgt Ion:330 Resp: 762

Ion Ratio Lower Upper

330 100

332 96.5 75.8 113.6

141 50.3 31.8 47.8#

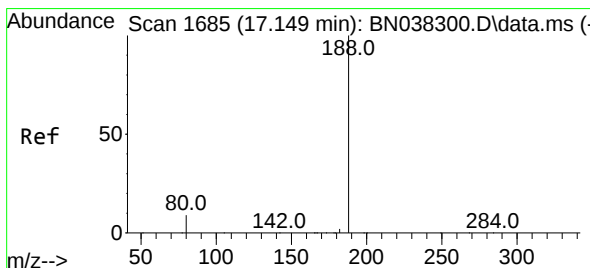
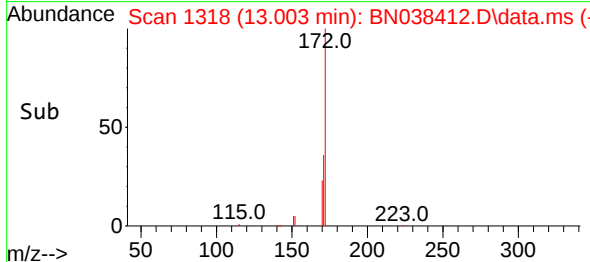
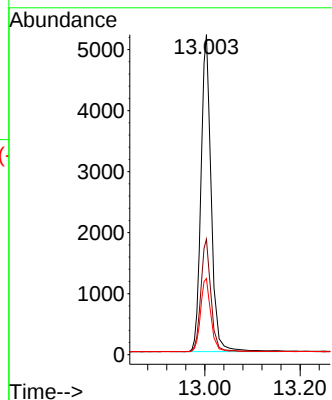
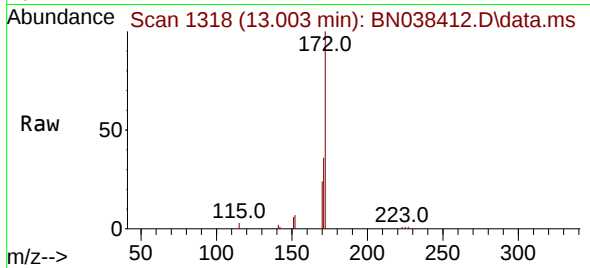




#15
2-Fluorobiphenyl
Concen: 0.290 ng
RT: 13.003 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038412.D
Acq: 15 Dec 2025 19:33

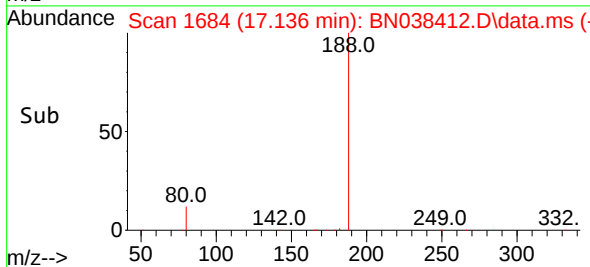
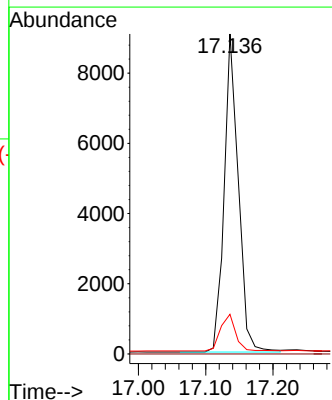
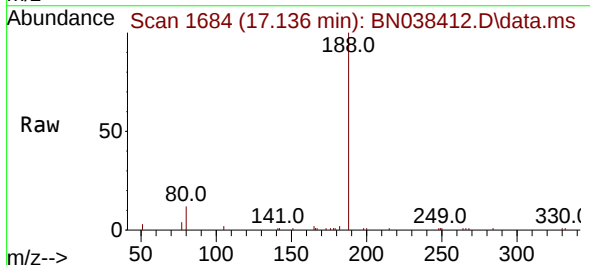
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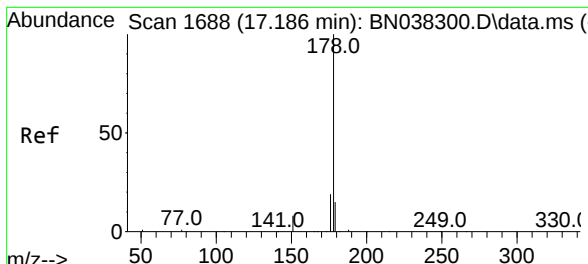
Tgt Ion:172 Resp: 10344
Ion Ratio Lower Upper
172 100
171 36.1 28.6 42.8
170 23.8 19.3 28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038412.D
Acq: 15 Dec 2025 19:33

Tgt Ion:188 Resp: 13204
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 7.4 11.0#

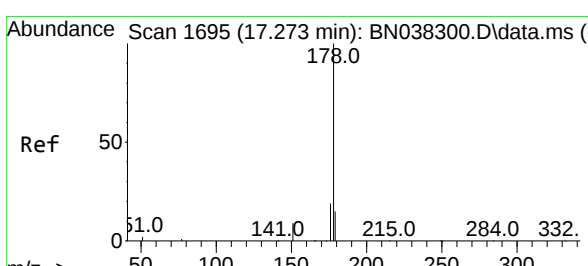
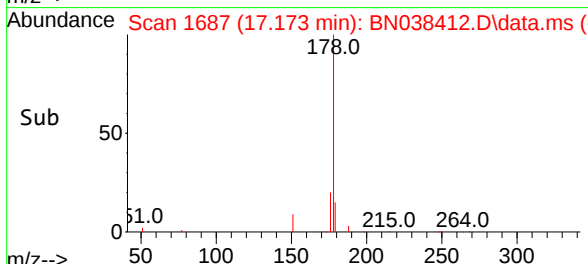
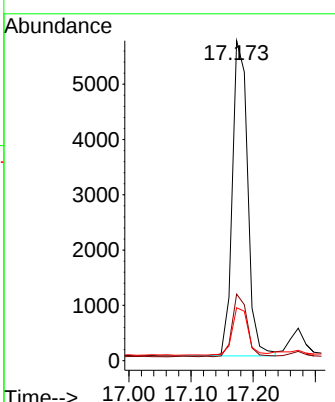
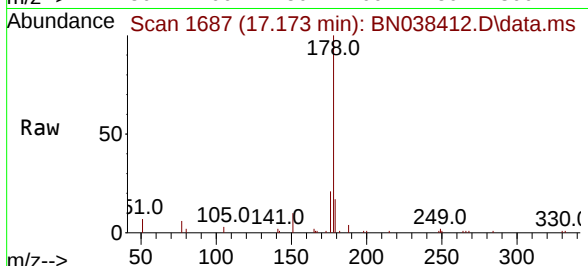




#25
 Phenanthrene
 Concen: 0.213 ng
 RT: 17.173 min Scan# 1687
 Delta R.T. -0.012 min
 Lab File: BN038412.D
 Acq: 15 Dec 2025 19:33

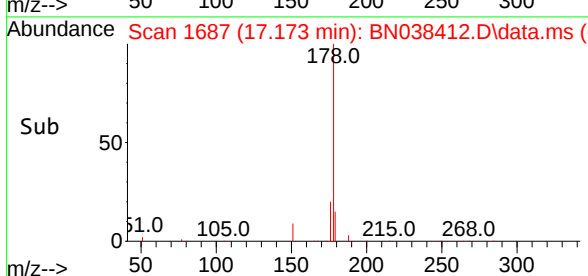
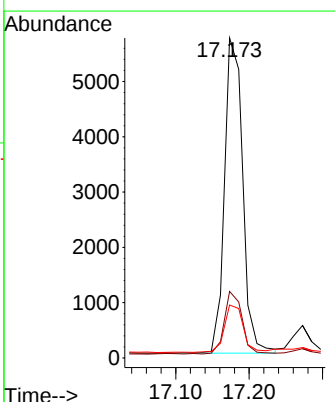
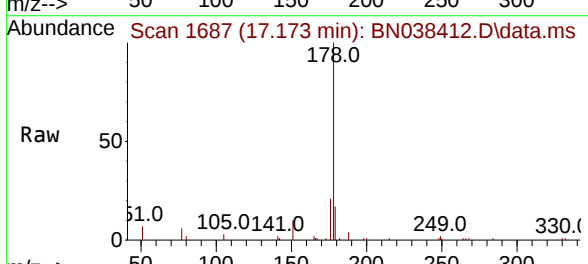
Instrument :
 BNA_N
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 C0AS4

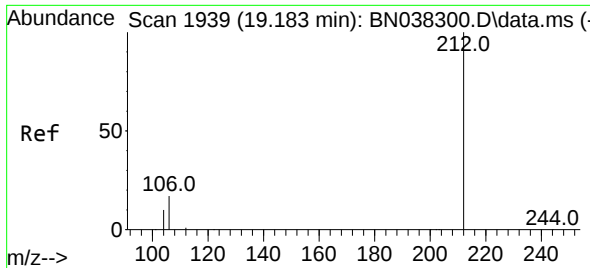
Tgt Ion:	178	Resp:	9794
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.8	12.2	18.2



#26
 Anthracene
 Concen: 0.247 ng
 RT: 17.173 min Scan# 1687
 Delta R.T. -0.112 min
 Lab File: BN038412.D
 Acq: 15 Dec 2025 19:33

Tgt Ion:	178	Resp:	9782
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.5	12.0	18.0

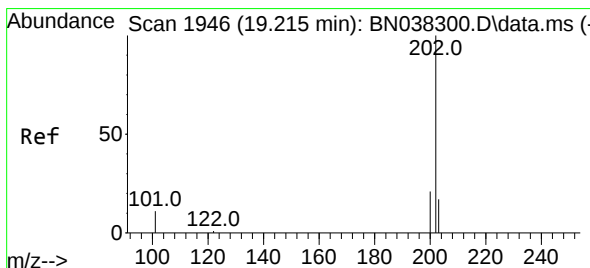
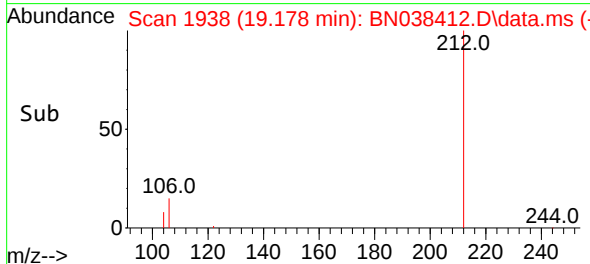
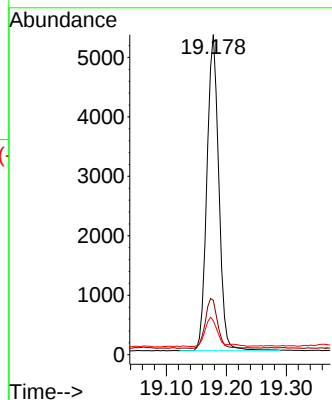
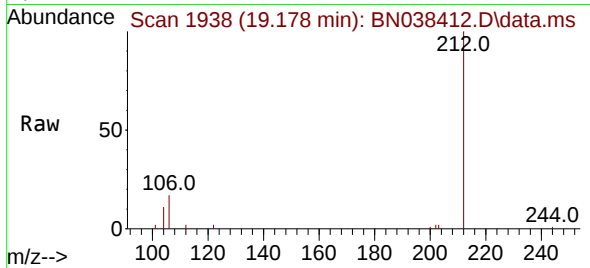




#27
Fluoranthene-d10
Concen: 0.223 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038412.D
Acq: 15 Dec 2025 19:33

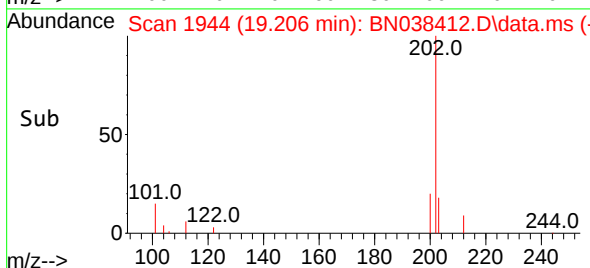
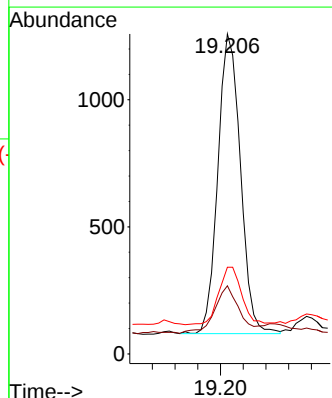
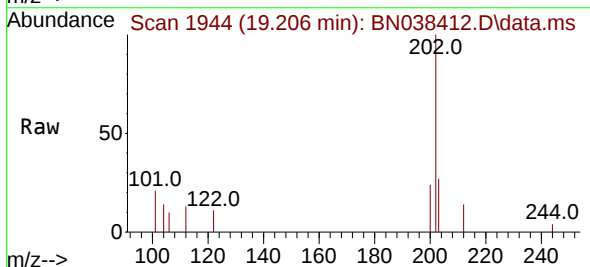
Instrument :
BNA_N
ClientSampleId :
C0AS4

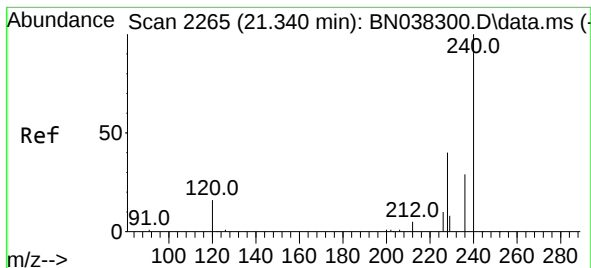
Tgt Ion:212 Resp: 7294
Ion Ratio Lower Upper
212 100
106 16.3 13.7 20.5
104 9.3 7.8 11.8



#28
Fluoranthene
Concen: 0.033 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038412.D
Acq: 15 Dec 2025 19:33

Tgt Ion:202 Resp: 1624
Ion Ratio Lower Upper
202 100
101 16.7 9.6 14.4#
203 19.5 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.331 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038412.D

Acq: 15 Dec 2025 19:33

Instrument :

BNA_N

ClientSampleId :

C0AS4

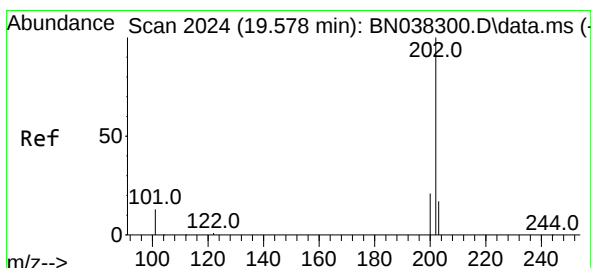
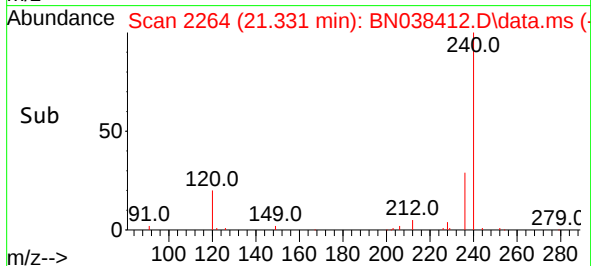
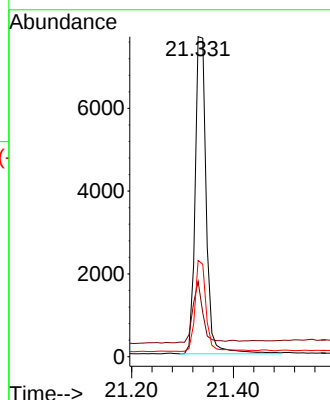
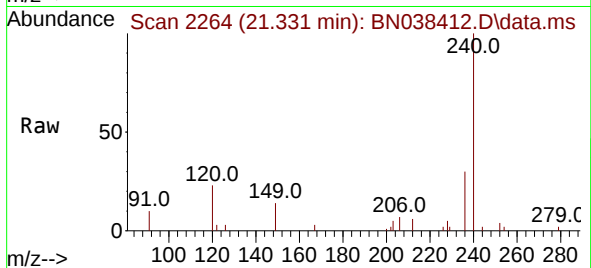
Tgt Ion:240 Resp: 11669

Ion Ratio Lower Upper

240 100

120 23.5 15.4 23.2#

236 30.0 23.9 35.9



#30

Pyrene

Concen: 0.031 ng

RT: 19.568 min Scan# 2022

Delta R.T. -0.014 min

Lab File: BN038412.D

Acq: 15 Dec 2025 19:33

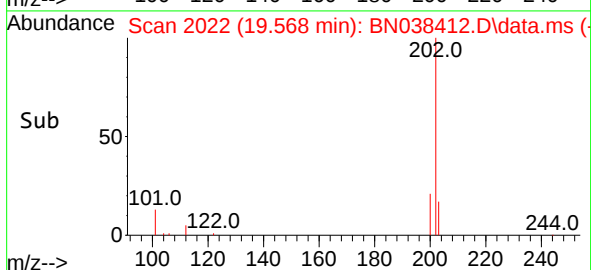
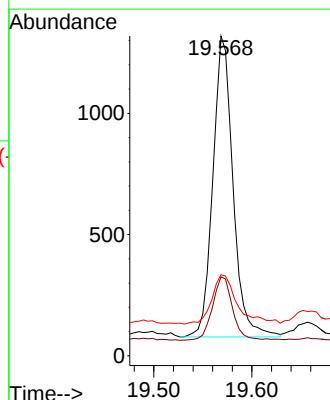
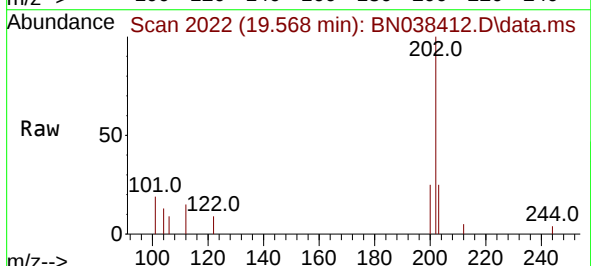
Tgt Ion:202 Resp: 1774

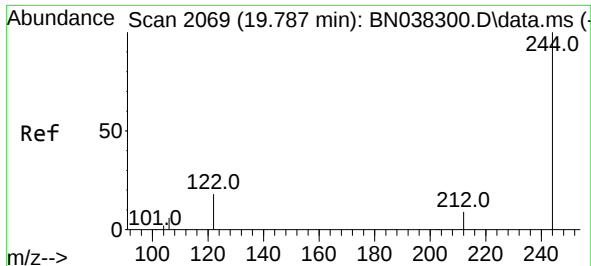
Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 20.5 14.2 21.2

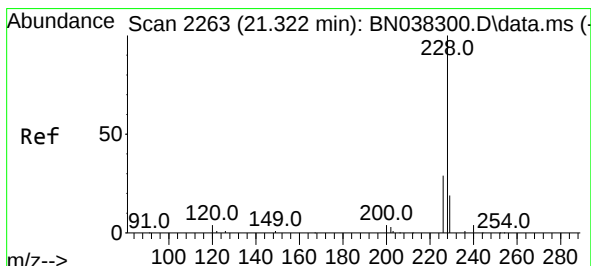
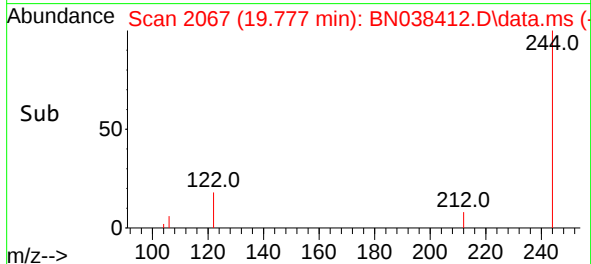
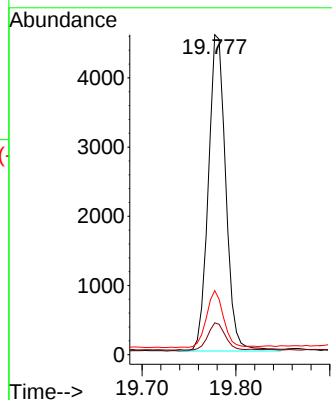
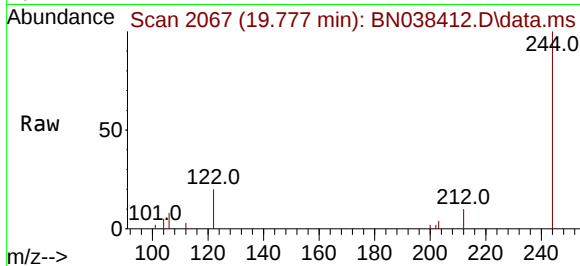




#31
 Terphenyl-d14
 Concen: 0.226 ng
 RT: 19.777 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038412.D
 Acq: 15 Dec 2025 19:33

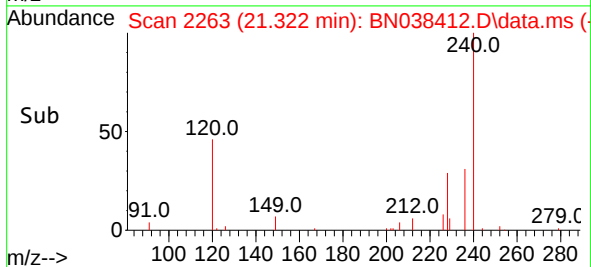
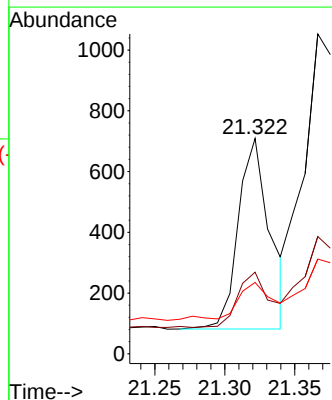
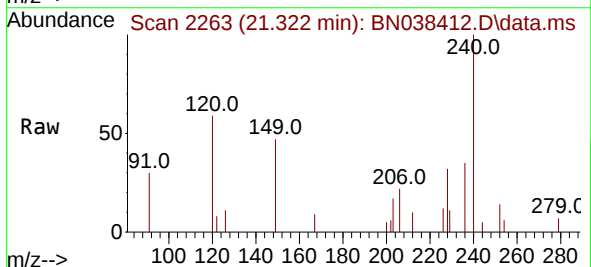
Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

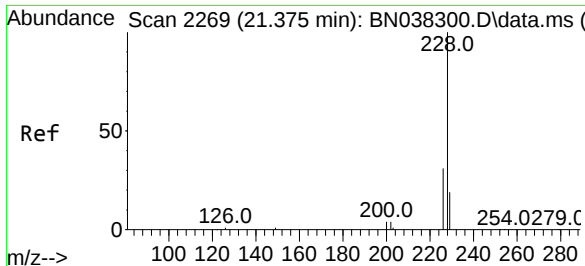
Tgt Ion:244 Resp: 5891
 Ion Ratio Lower Upper
 244 100
 212 10.0 7.9 11.9
 122 20.0 15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 0.022 ng
 RT: 21.322 min Scan# 2263
 Delta R.T. -0.009 min
 Lab File: BN038412.D
 Acq: 15 Dec 2025 19:33

Tgt Ion:228 Resp: 983
 Ion Ratio Lower Upper
 228 100
 226 37.9 23.3 34.9#
 229 33.1 15.7 23.5#





#33

Chrysene

Concen: 0.035 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038412.D

Acq: 15 Dec 2025 19:33

Instrument :

BNA_N

ClientSampleId :

C0AS4

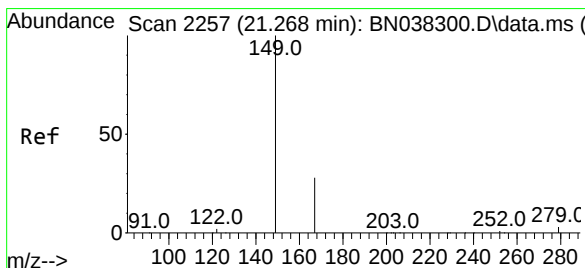
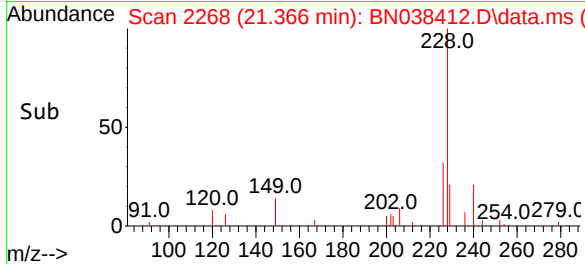
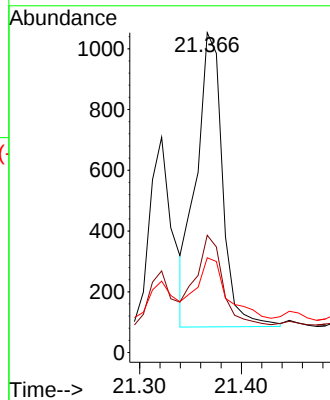
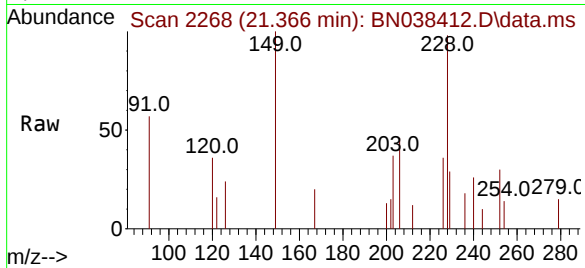
Tgt Ion:228 Resp: 1736

Ion Ratio Lower Upper

228 100

226 36.7 25.0 37.4

229 29.6 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.612 ng

RT: 21.259 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN038412.D

Acq: 15 Dec 2025 19:33

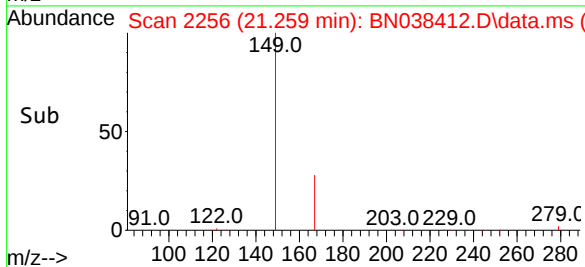
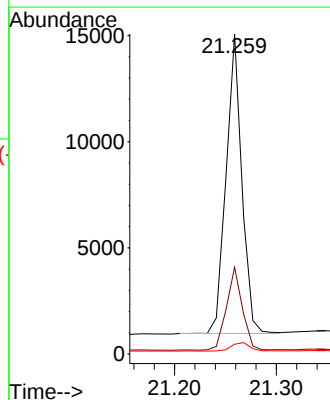
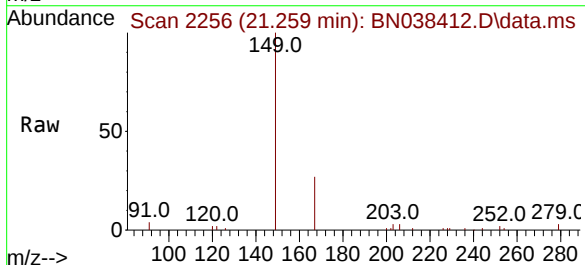
Tgt Ion:149 Resp: 15143

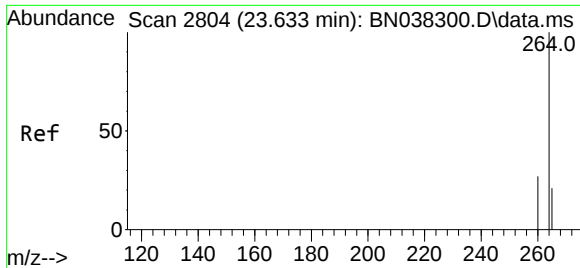
Ion Ratio Lower Upper

149 100

167 27.6 21.4 32.0

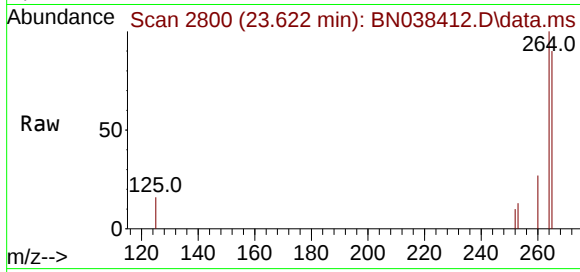
279 3.3 2.4 3.6





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.622 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BN038412.D
 Acq: 15 Dec 2025 19:33

Instrument :
 BNA_N
 ClientSampleId :
 C0AS4



Tgt Ion:264 Resp: 12359

Ion	Ratio	Lower	Upper
264	100		
260	27.1	22.2	33.2
265	89.7	80.2	120.2

