

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
 Data File : BN038236.D
 Acq On : 01 Dec 2025 21:29
 Operator : RC/JU
 Sample : Q3618-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EME-TOP-SOIL

Quant Time: Dec 02 01:10:03 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)

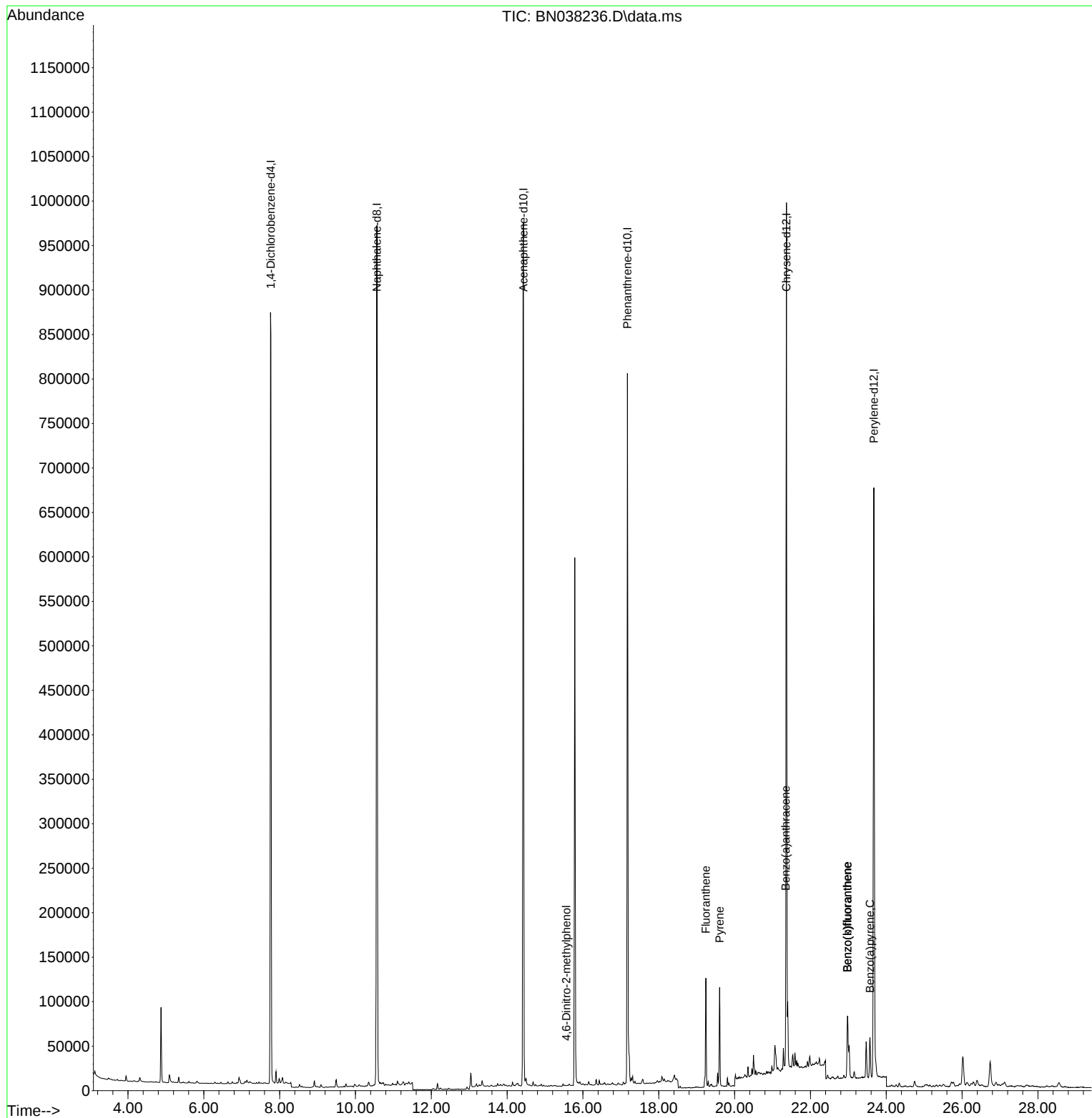
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	439250	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	1255886	0.400	ng	#-0.01
13) Acenaphthene-d10	14.430	164	613558	0.400	ng	0.00
19) Phenanthrene-d10	17.173	188	1008772	0.400	ng	#-0.01
29) Chrysene-d12	21.366	240	803550	0.400	ng	# 0.00
35) Perylene-d12	23.674	264	869891	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	5081	0.005	ng	0.00
5) Phenol-d6	6.930	99	6096	0.005	ng	0.00
8) Nitrobenzene-d5	8.918	82	5234	0.005	ng	0.00
11) 2-Methylnaphthalene-d10	12.161	152	8487	0.005	ng	0.00
14) 2,4,6-Tribromophenol	15.920	330	1232	0.006	ng	-0.01
15) 2-Fluorobiphenyl	13.040	172	13228	0.006	ng	-0.01
27) Fluoranthene-d10	19.211	212	11589	0.005	ng	0.00
31) Terphenyl-d14	19.810	244	8743	0.005	ng	0.00
Target Compounds						
20) 4,6-Dinitro-2-methylph...	15.560	198	19	0.172	ng	# 1
28) Fluoranthene	19.243	202	109271	0.036	ng	98
30) Pyrene	19.605	202	99970	0.025	ng	97
32) Benzo(a)anthracene	21.348	228	55241	0.020	ng	96
37) Benzo(b)fluoranthene	22.975	252	106361	0.030	ng	# 93
38) Benzo(k)fluoranthene	22.975	252	106361	0.029	ng	# 92
39) Benzo(a)pyrene	23.569	252	62275	0.021	ng	93

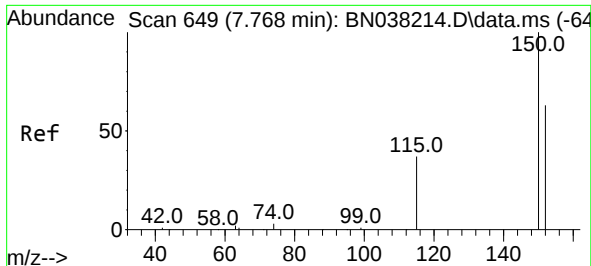
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
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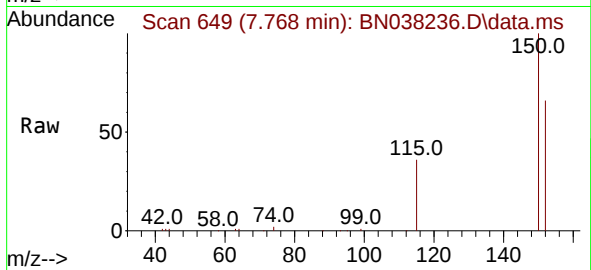
Quant Time: Dec 02 01:10:03 2025
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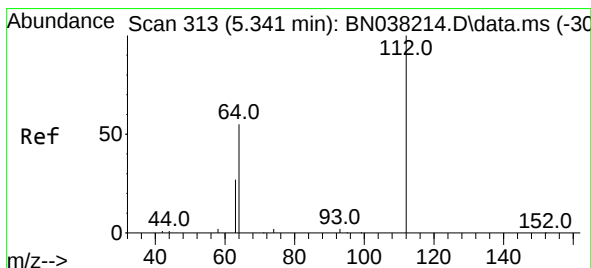
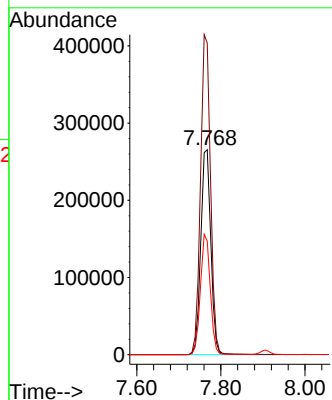
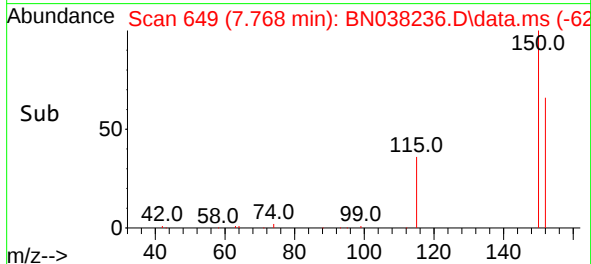


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 649
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

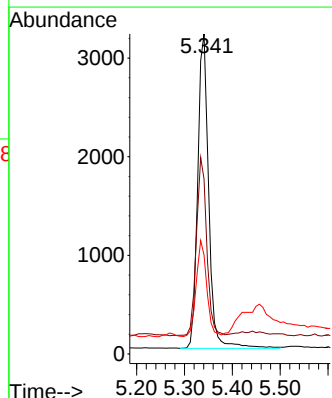
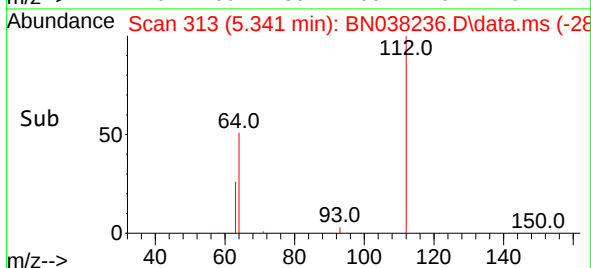
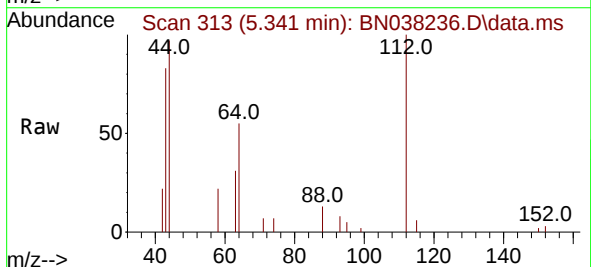


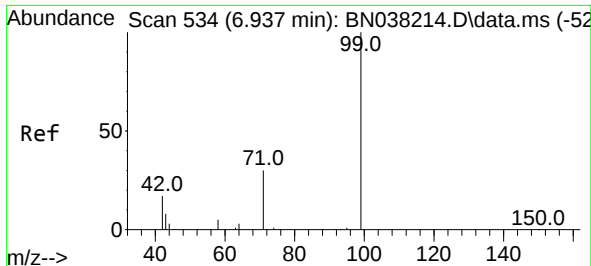
Tgt Ion:152 Resp: 439250
Ion Ratio Lower Upper
152 100
150 152.1 125.3 187.9
115 55.5 49.0 73.4



#4
2-Fluorophenol
Concen: 0.005 ng
RT: 5.341 min Scan# 313
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:112 Resp: 5081
Ion Ratio Lower Upper
112 100
64 53.6 45.0 67.4
63 29.2 23.2 34.8

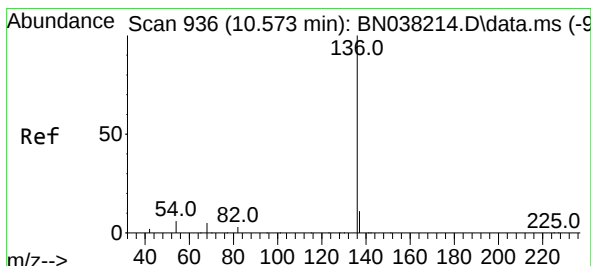
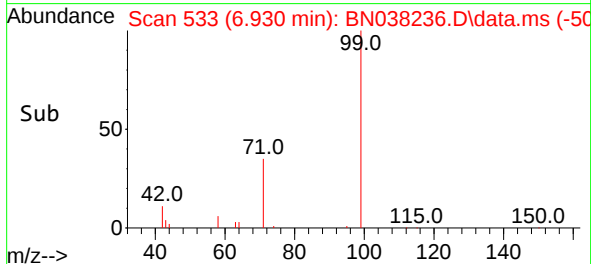
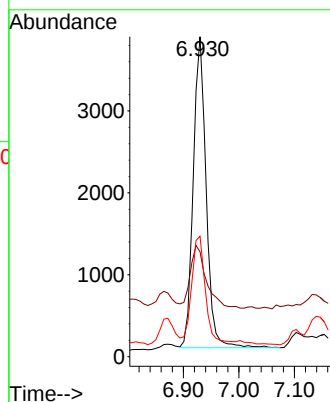
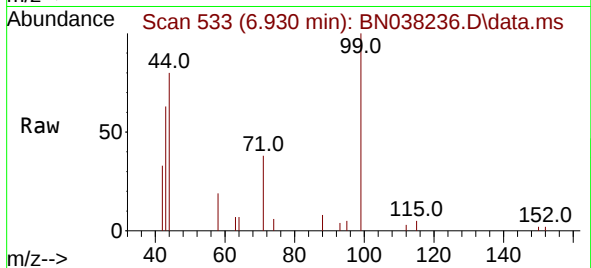




#5
Phenol-d6
Concen: 0.005 ng
RT: 6.930 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

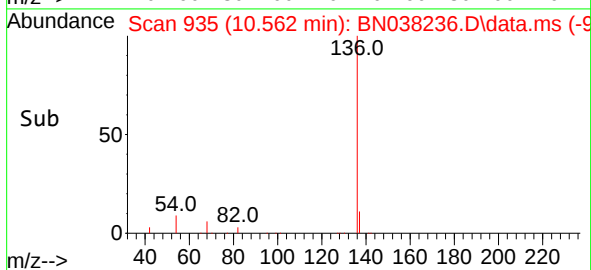
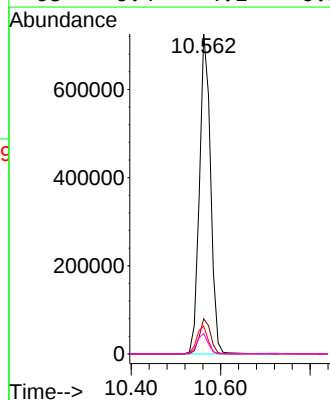
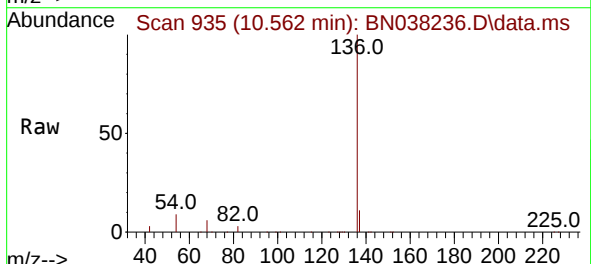
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

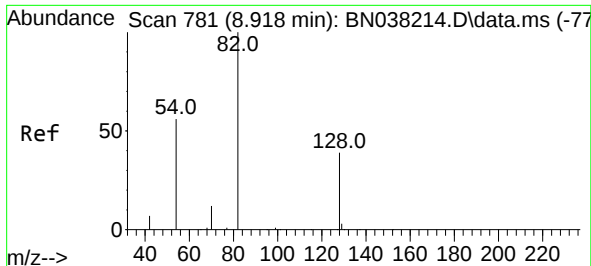
Tgt Ion: 99 Resp: 6096
Ion Ratio Lower Upper
99 100
42 24.9 17.0 25.6
71 35.1 25.4 38.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion: 136 Resp: 1255886
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.7 5.4 8.0#
68 6.4 4.1 6.1#

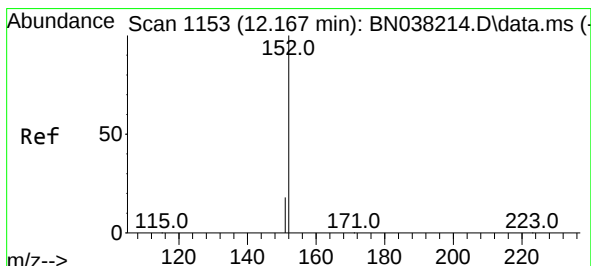
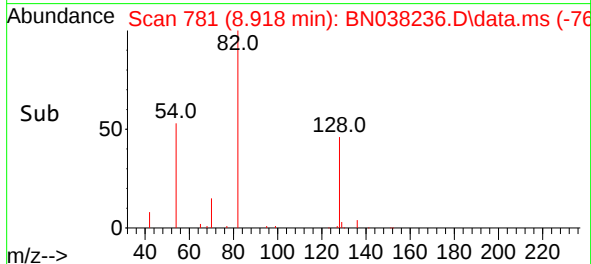
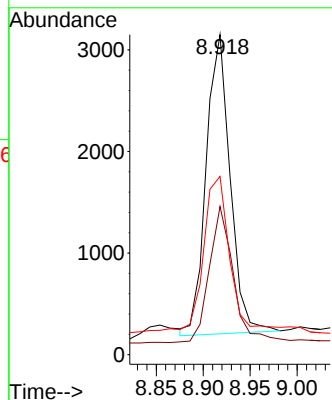
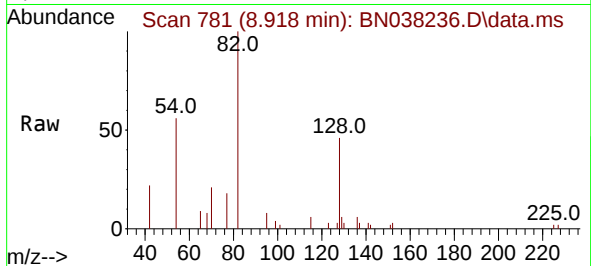




#8
Nitrobenzene-d5
Concen: 0.005 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

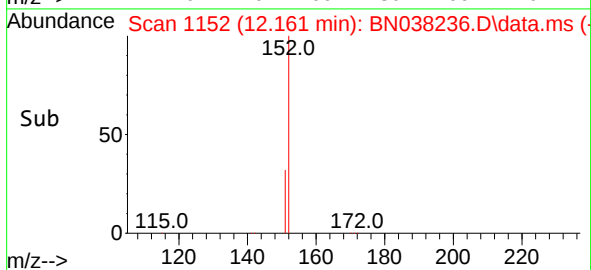
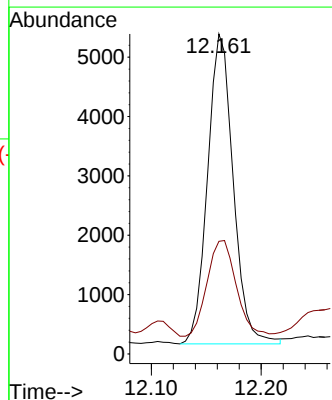
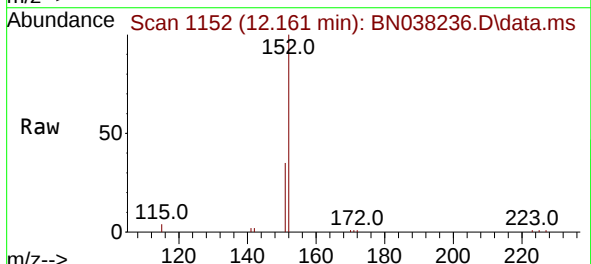
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

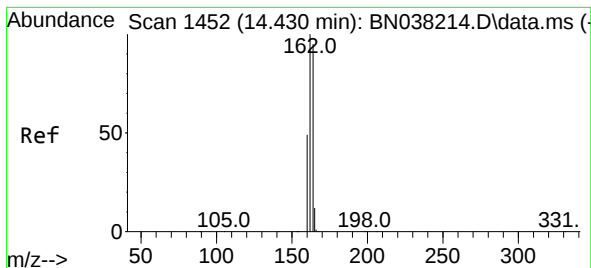
Tgt Ion: 82 Resp: 5234
Ion Ratio Lower Upper
82 100
128 46.3 32.6 48.8
54 55.7 45.4 68.0



#11
2-Methylnaphthalene-d10
Concen: 0.005 ng
RT: 12.161 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion: 152 Resp: 8487
Ion Ratio Lower Upper
152 100
151 34.9 16.7 25.1#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.430 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BN038236.D

Acq: 01 Dec 2025 21:29

Instrument :

BNA_N

ClientSampleId :

EME-TOP-SOIL

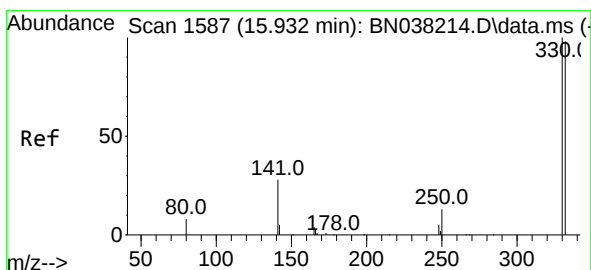
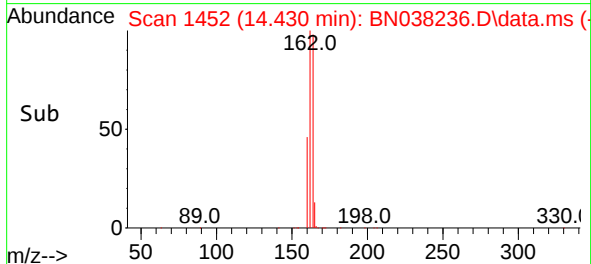
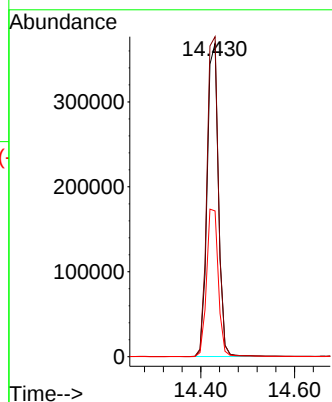
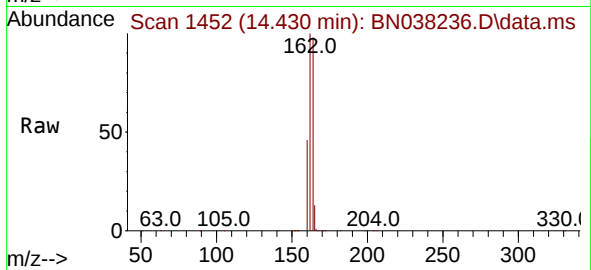
Tgt Ion:164 Resp: 613558

Ion Ratio Lower Upper

164 100

162 102.1 83.8 125.8

160 46.5 41.6 62.4



#14

2,4,6-Tribromophenol

Concen: 0.006 ng

RT: 15.920 min Scan# 1586

Delta R.T. -0.012 min

Lab File: BN038236.D

Acq: 01 Dec 2025 21:29

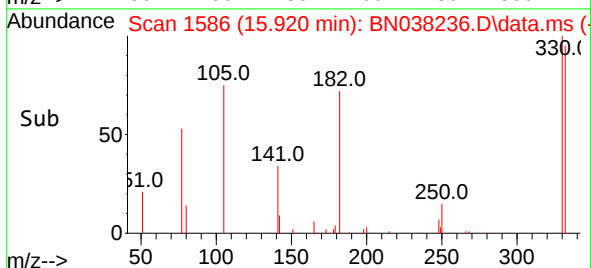
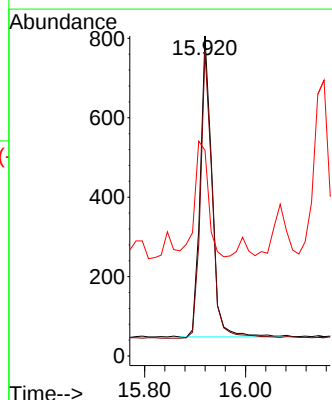
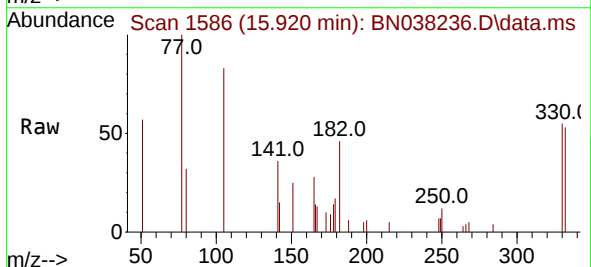
Tgt Ion:330 Resp: 1232

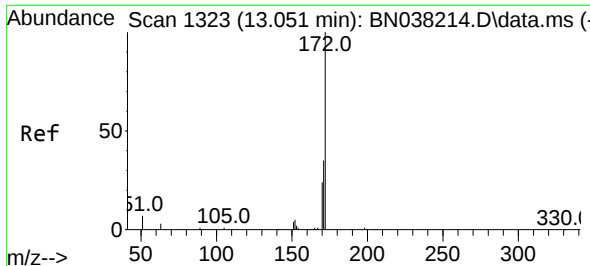
Ion Ratio Lower Upper

330 100

332 95.1 77.8 116.6

141 43.9 33.0 49.4

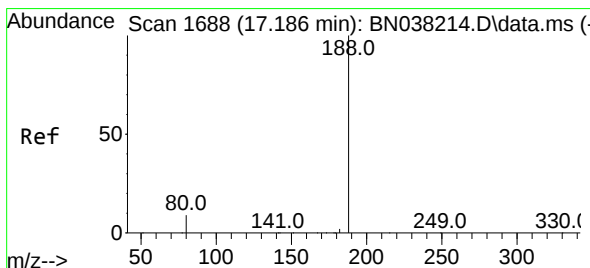
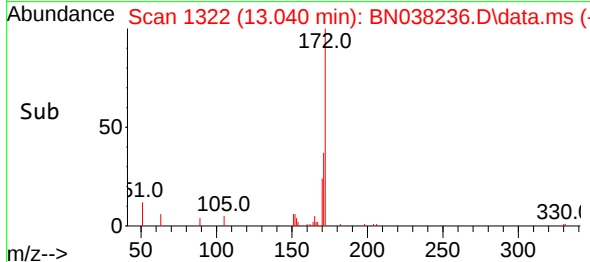
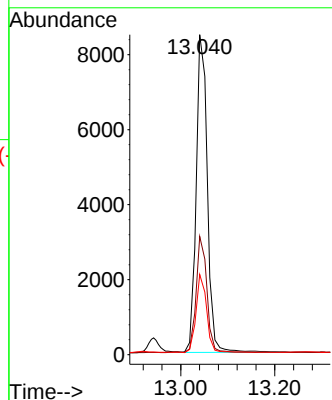
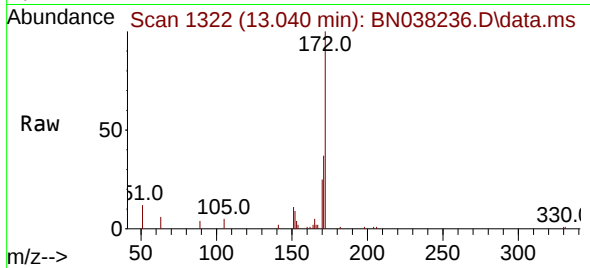




#15
2-Fluorobiphenyl
Concen: 0.006 ng
RT: 13.040 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

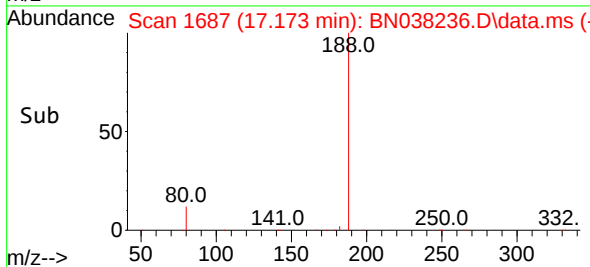
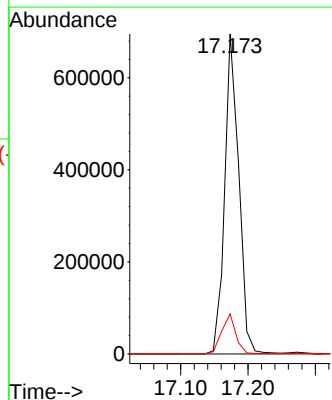
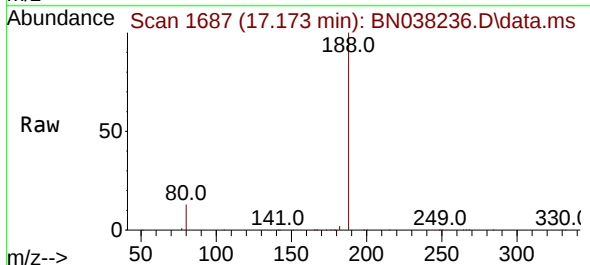
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

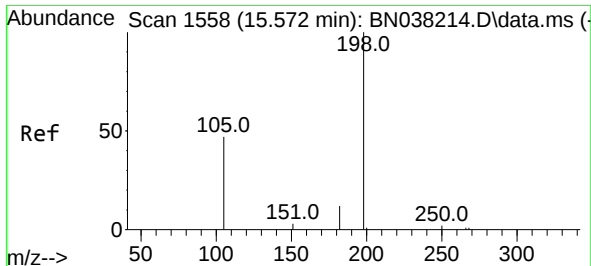
Tgt Ion:172 Resp: 13228
Ion Ratio Lower Upper
172 100
171 36.9 28.1 42.1
170 25.1 19.1 28.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:188 Resp: 1008772
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.5 7.7 11.5#

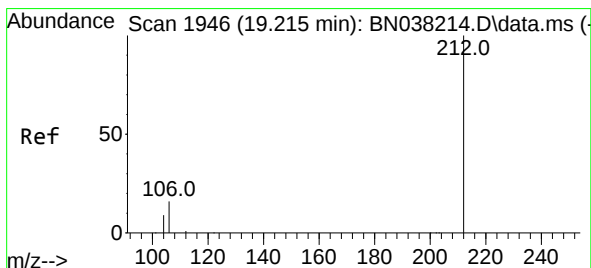
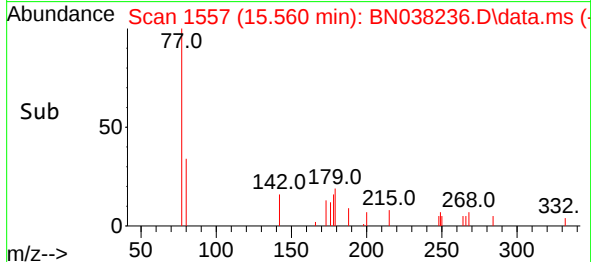
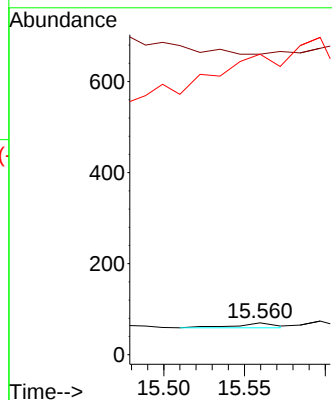
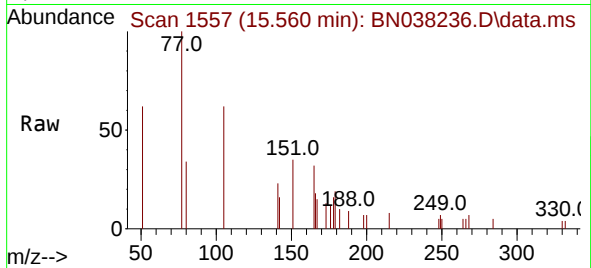




#20
4,6-Dinitro-2-methylphenol
Concen: 0.172 ng
RT: 15.560 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

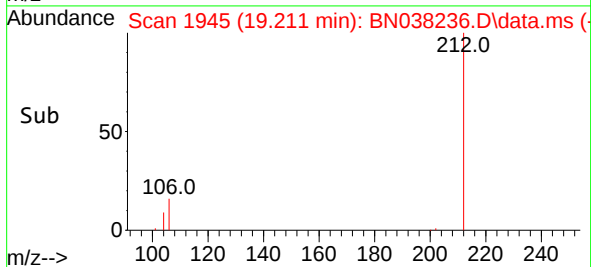
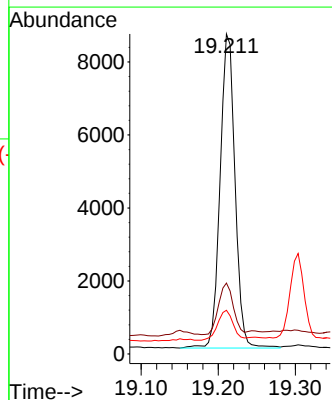
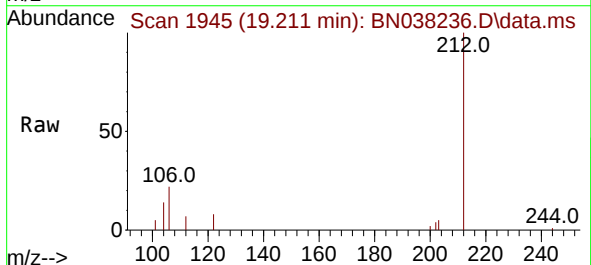
Instrument :
BNA_N
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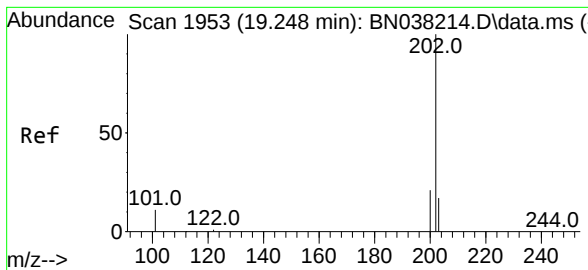
Tgt Ion:198 Resp: 19
Ion Ratio Lower Upper
198 100
51 942.9 205.1 307.7#
105 942.9 61.6 92.4#



#27
Fluoranthene-d10
Concen: 0.005 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:212 Resp: 11589
Ion Ratio Lower Upper
212 100
106 16.3 12.7 19.1
104 9.8 7.3 10.9

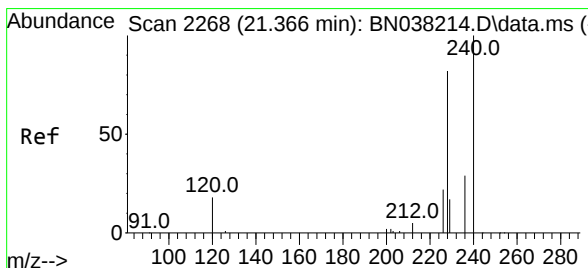
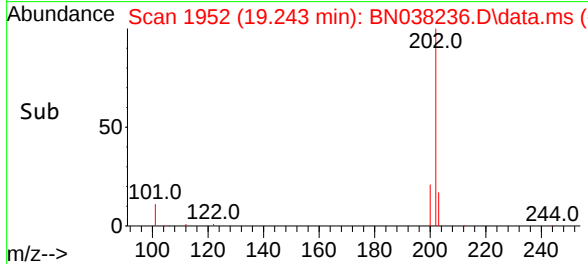
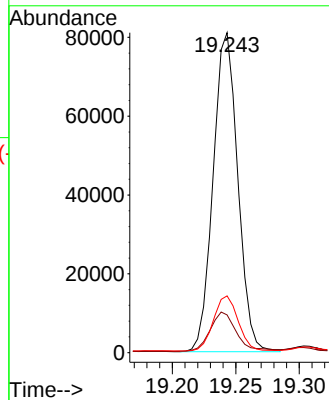
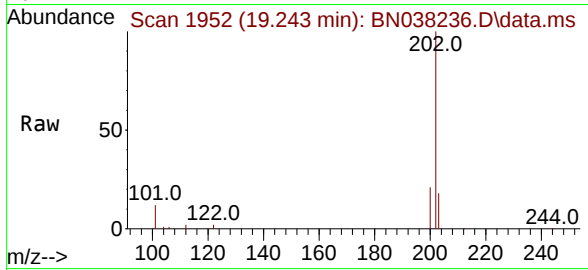




#28
Fluoranthene
Concen: 0.036 ng
RT: 19.243 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

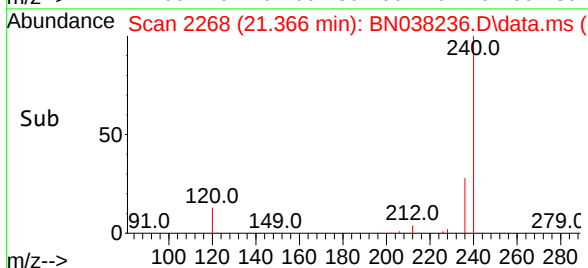
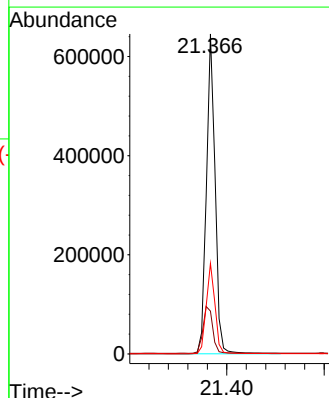
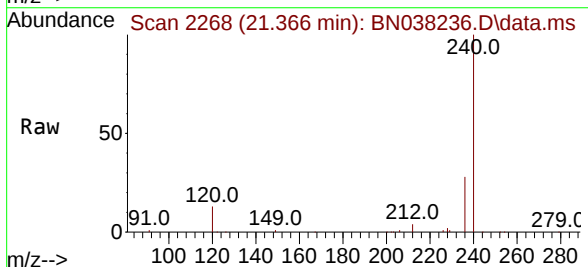
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

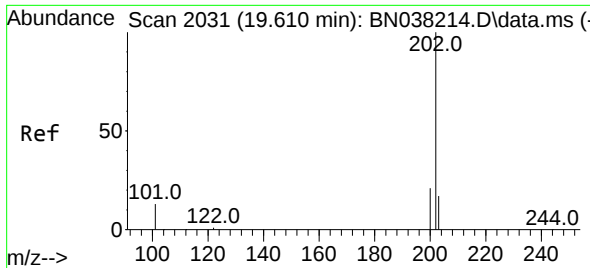
Tgt Ion:202 Resp: 109271
Ion Ratio Lower Upper
202 100
101 13.3 9.8 14.6
203 17.3 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.366 min Scan# 2268
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:240 Resp: 803550
Ion Ratio Lower Upper
240 100
120 13.4 18.1 27.1#
236 28.3 24.2 36.4

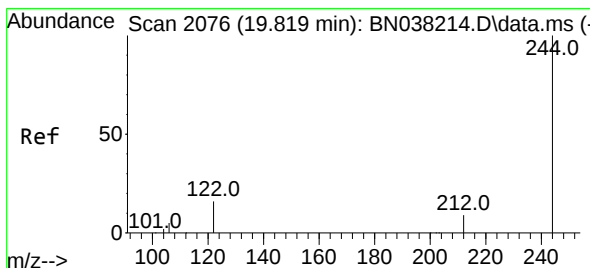
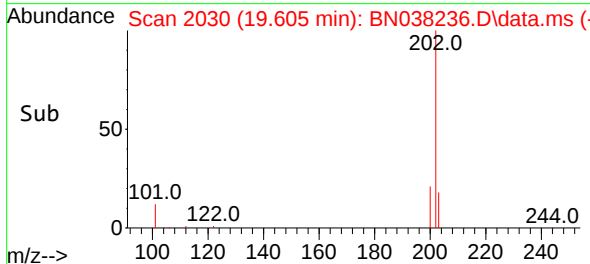
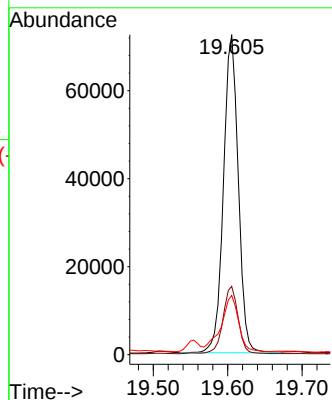
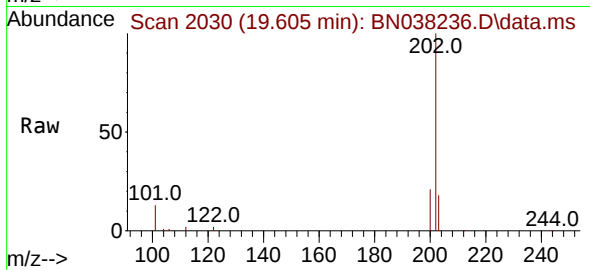




#30
 Pyrene
 Concen: 0.025 ng
 RT: 19.605 min Scan# 2030
 Delta R.T. -0.005 min
 Lab File: BN038236.D
 Acq: 01 Dec 2025 21:29

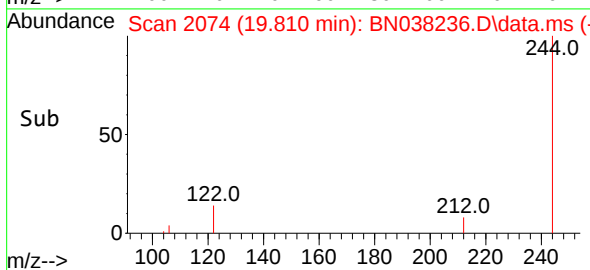
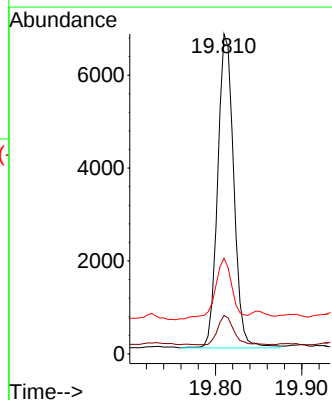
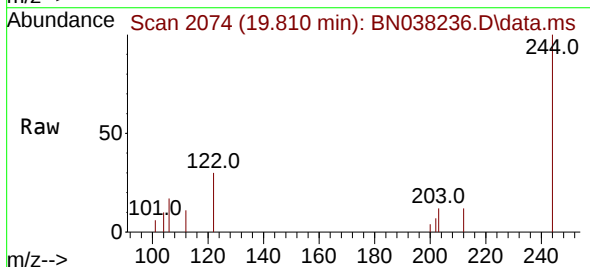
Instrument :
 BNA_N
 ClientSampleId :
 EME-TOP-SOIL

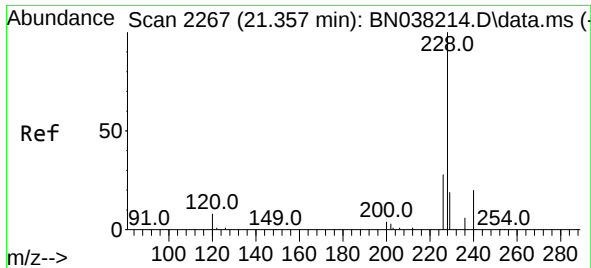
Tgt Ion:202 Resp: 99970
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.8 25.2
 203 20.8 14.4 21.6



#31
 Terphenyl-d14
 Concen: 0.005 ng
 RT: 19.810 min Scan# 2074
 Delta R.T. -0.009 min
 Lab File: BN038236.D
 Acq: 01 Dec 2025 21:29

Tgt Ion:244 Resp: 8743
 Ion Ratio Lower Upper
 244 100
 212 12.0 7.7 11.5#
 122 29.8 13.6 20.4#

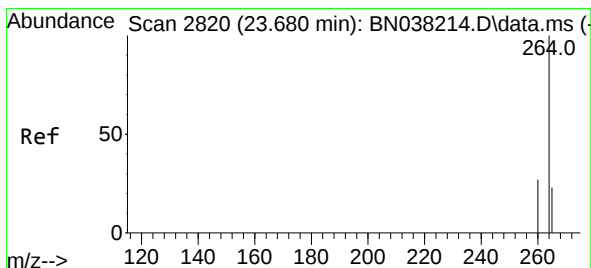
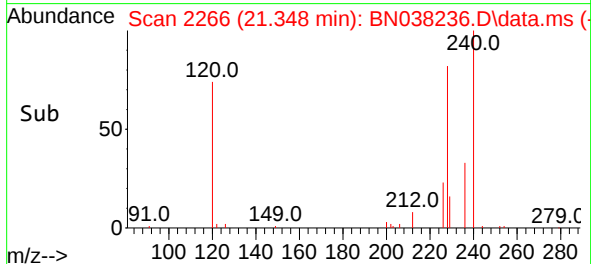
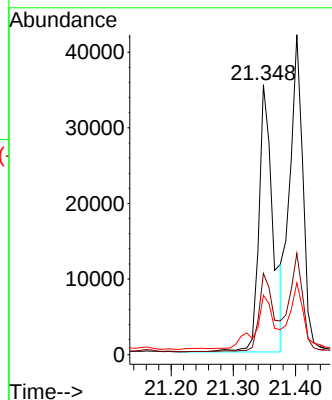
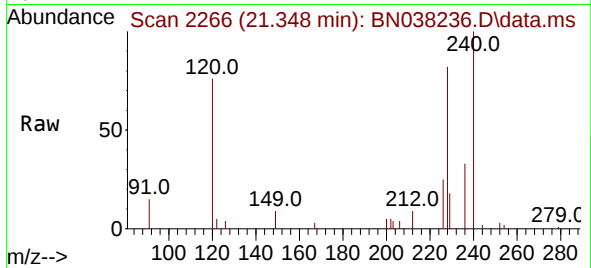




#32
Benzo(a)anthracene
Concen: 0.020 ng
RT: 21.348 min Scan# 211
Delta R.T. -0.009 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

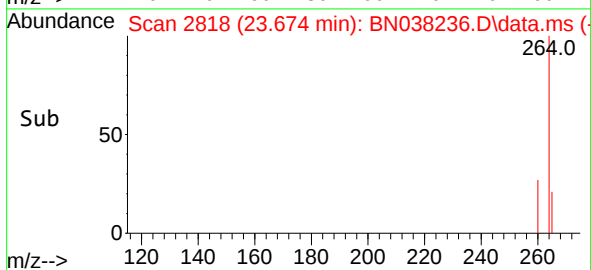
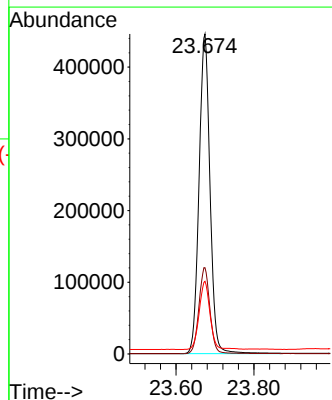
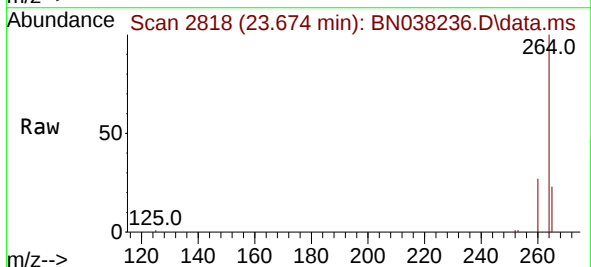
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

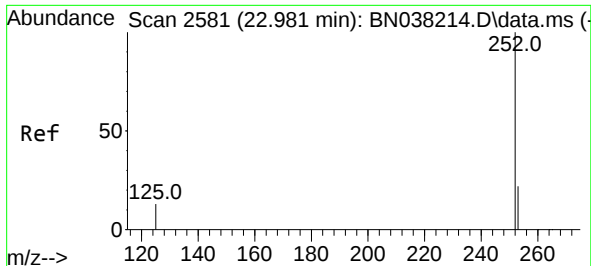
Tgt Ion:228 Resp: 55241
Ion Ratio Lower Upper
228 100
226 30.1 22.6 33.8
229 22.1 15.8 23.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.674 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

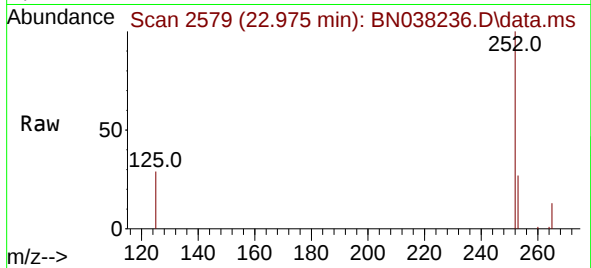
Tgt Ion:264 Resp: 869891
Ion Ratio Lower Upper
264 100
260 26.9 21.7 32.5
265 22.7 98.0 147.0#



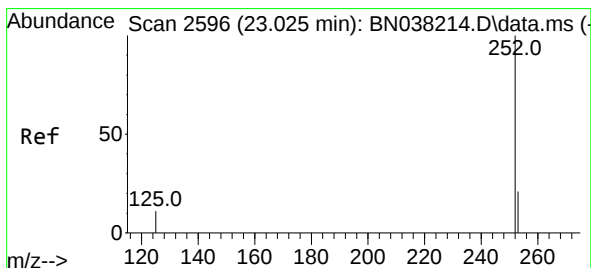
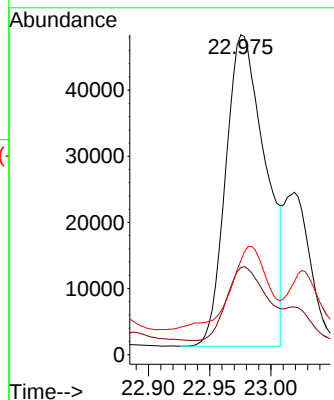


#37
Benzo(b)fluoranthene
Concen: 0.030 ng
RT: 22.975 min Scan# 2579
Delta R.T. -0.006 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

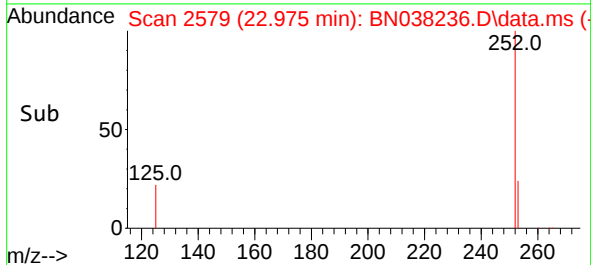
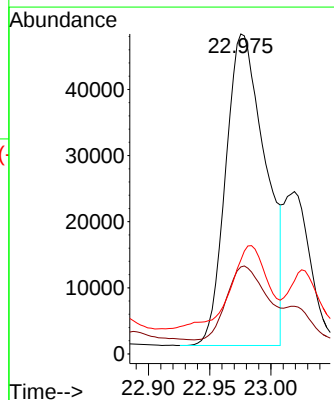
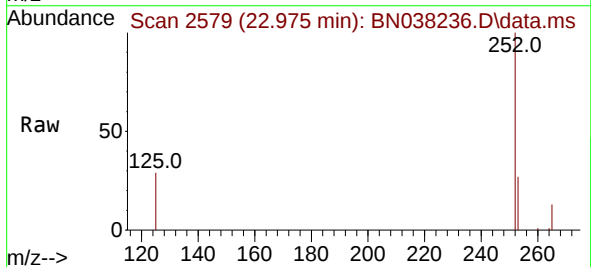


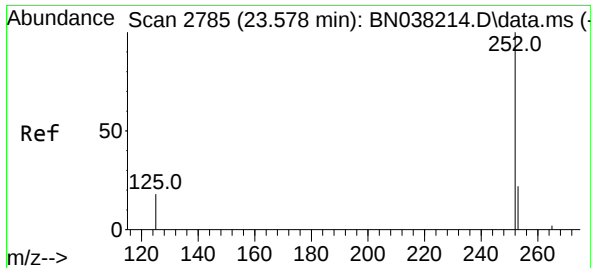
Tgt Ion:252 Resp: 106361
Ion Ratio Lower Upper
252 100
253 27.2 22.2 33.4
125 29.3 18.0 27.0#



#38
Benzo(k)fluoranthene
Concen: 0.029 ng
RT: 22.975 min Scan# 2579
Delta R.T. -0.050 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

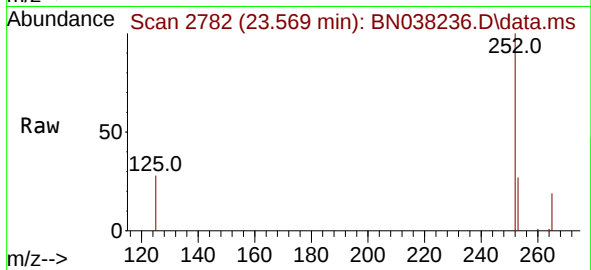
Tgt Ion:252 Resp: 106361
Ion Ratio Lower Upper
252 100
253 27.2 22.4 33.6
125 29.3 17.5 26.3#





#39
Benzo(a)pyrene
Concen: 0.021 ng
RT: 23.569 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL



Tgt Ion:252 Resp: 62275
Ion Ratio Lower Upper
252 100
253 27.3 25.3 37.9
125 28.1 25.2 37.8

