

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038307.D
 Acq On : 10 Dec 2025 15:18
 Operator : RC/JU
 Sample : Q3483-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 HW1025-PT-BNA-SOIL

Quant Time: Dec 10 15:42:52 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)

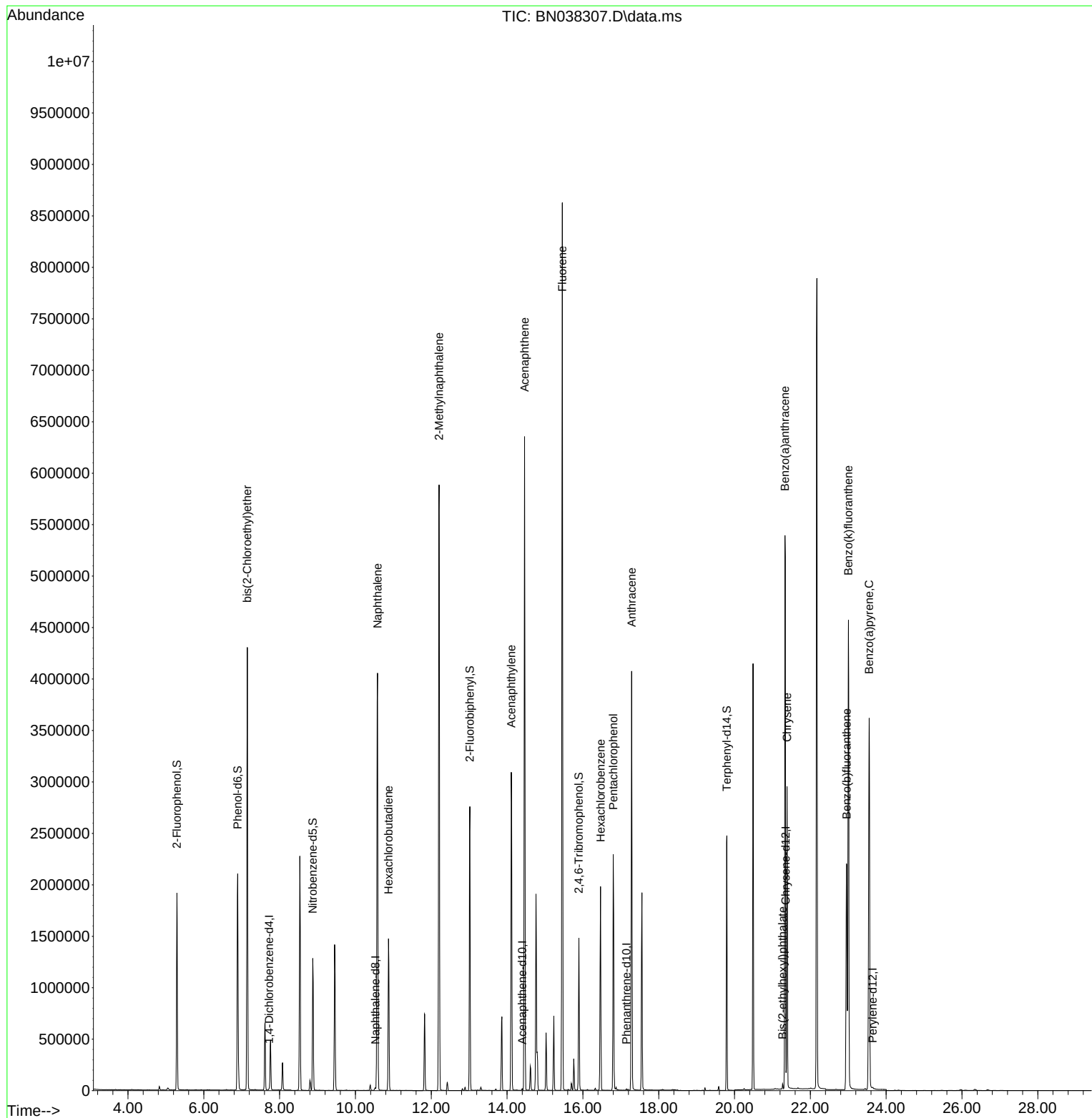
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6249	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	16861	0.400	ng	# 0.00
13) Acenaphthene-d10	14.398	164	8564	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	15660	0.400	ng	# 0.00
29) Chrysene-d12	21.348	240	13507	0.400	ng	# 0.00
35) Perylene-d12	23.645	264	14689	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1430446	91.913	ng	0.00
5) Phenol-d6	6.894	99	1934545	104.563	ng	0.00
8) Nitrobenzene-d5	8.875	82	949778	66.782	ng	0.00
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	15.895	330	763944	201.068	ng	0.00
15) 2-Fluorobiphenyl	13.019	172	2217649	53.751	ng	0.01
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	19.796	244	2273090	75.410	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.147	93	2926200	161.682	ng	97
9) Naphthalene	10.583	128	5565377	111.661	ng	99
10) Hexachlorobutadiene	10.872	225	1184946	133.744	ng	# 100
12) 2-Methylnaphthalene	12.207	142	4392190	138.830	ng	97
16) Acenaphthylene	14.110	152	3505607	83.359	ng	99
17) Acenaphthene	14.462	154	3142123	107.240	ng	96
18) Fluorene	15.457	166	5610594	148.835	ng	95
22) Hexachlorobenzene	16.466	284	1528157	109.412	ng	99
24) Pentachlorophenol	16.801	266	1042316	191.240	ng	99
26) Anthracene	17.285	178	3993563	84.982	ng	99
32) Benzo(a)anthracene	21.331	228	4841413	92.785	ng	98
33) Chrysene	21.384	228	2295529	39.956	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	46700	1.631	ng	98
37) Benzo(b)fluoranthene	22.955	252	2958553	43.851	ng	# 89
38) Benzo(k)fluoranthene	23.005	252	5851760	86.998	ng	# 90
39) Benzo(a)pyrene	23.551	252	5195506	94.102	ng	# 81

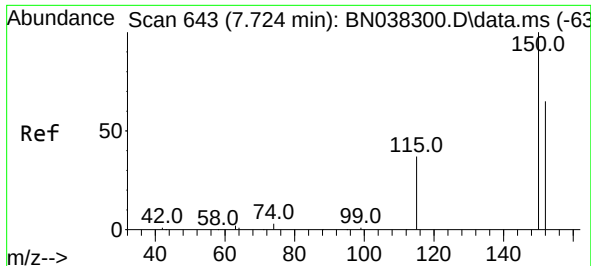
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038307.D
Acq On : 10 Dec 2025 15:18
Operator : RC/JU
Sample : Q3483-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
HW1025-PT-BNA-SOIL

Quant Time: Dec 10 15:42:52 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

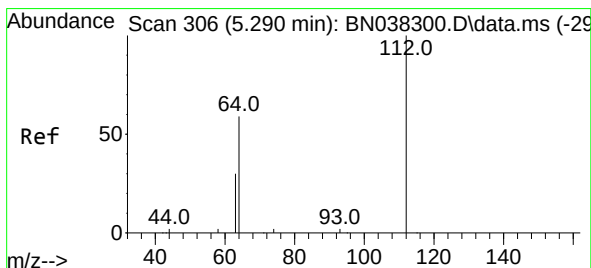
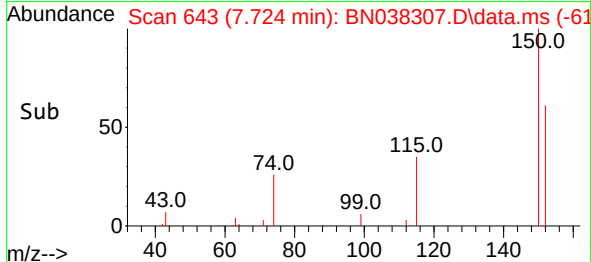
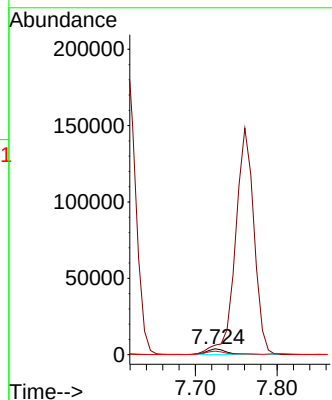
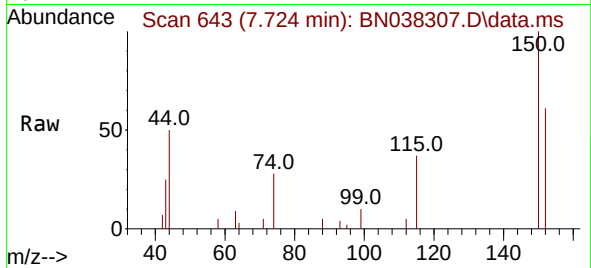




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.724 min Scan# 643
 Delta R.T. 0.000 min
 Lab File: BN038307.D
 Acq: 10 Dec 2025 15:18

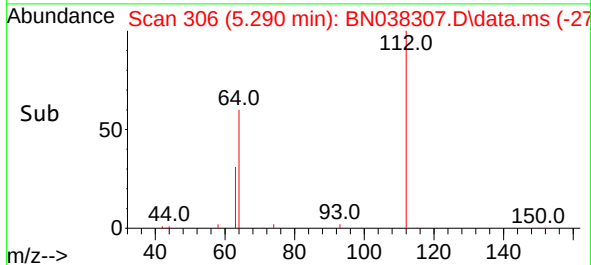
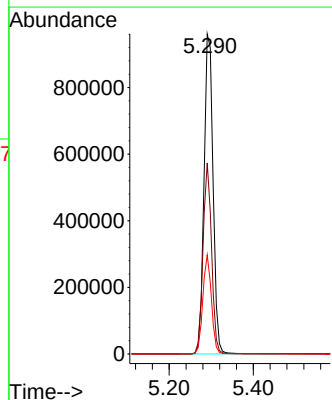
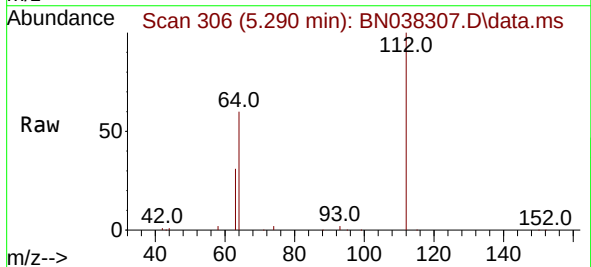
Instrument :
 BNA_N
 ClientSampleId :
 HW1025-PT-BNA-SOIL

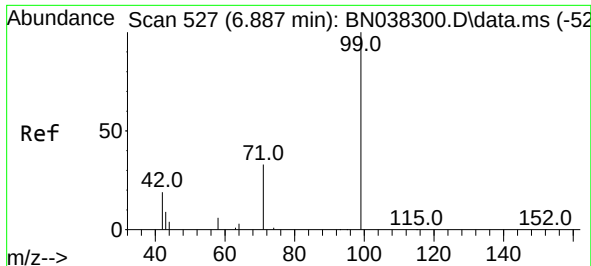
Tgt Ion:152 Resp: 6249
 Ion Ratio Lower Upper
 152 100
 150 163.0 122.4 183.6
 115 59.6 47.3 70.9



#4
 2-Fluorophenol
 Concen: 91.913 ng
 RT: 5.290 min Scan# 306
 Delta R.T. -0.000 min
 Lab File: BN038307.D
 Acq: 10 Dec 2025 15:18

Tgt Ion:112 Resp: 1430446
 Ion Ratio Lower Upper
 112 100
 64 56.6 44.4 66.6
 63 29.5 23.4 35.0

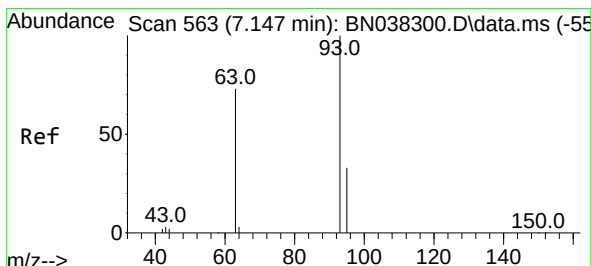
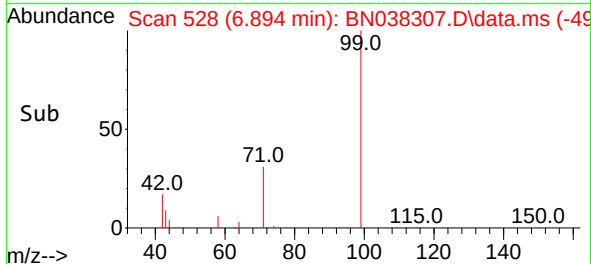
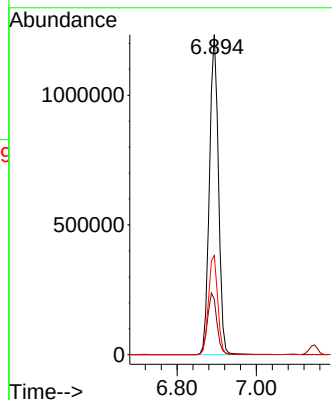
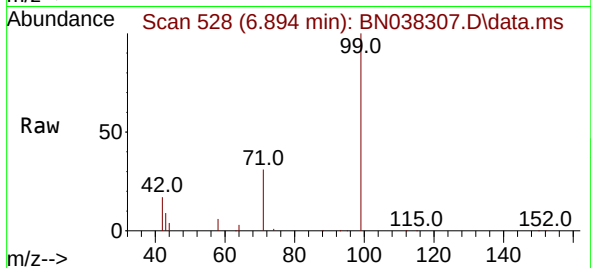




#5
Phenol-d6
Concen: 104.563 ng
RT: 6.894 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

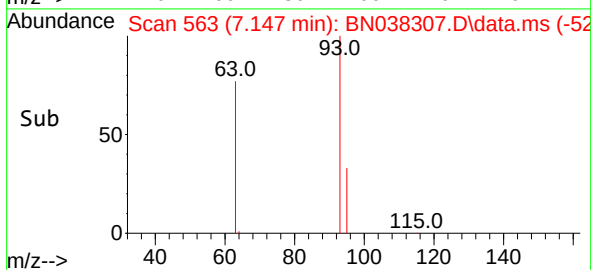
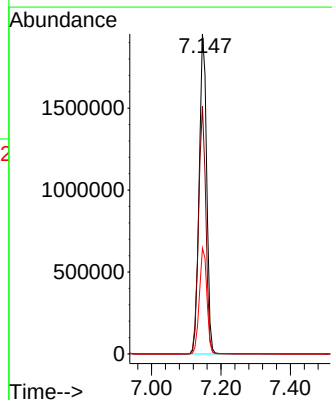
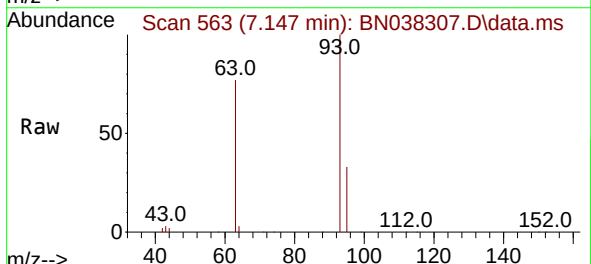
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-BNA-SOIL

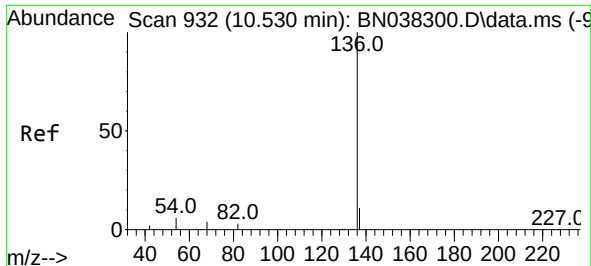
Tgt Ion: 99 Resp: 1934545
Ion Ratio Lower Upper
99 100
42 20.2 16.5 24.7
71 31.9 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 161.682 ng
RT: 7.147 min Scan# 563
Delta R.T. -0.000 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

Tgt Ion: 93 Resp: 2926200
Ion Ratio Lower Upper
93 100
63 76.2 59.2 88.8
95 33.2 25.2 37.8

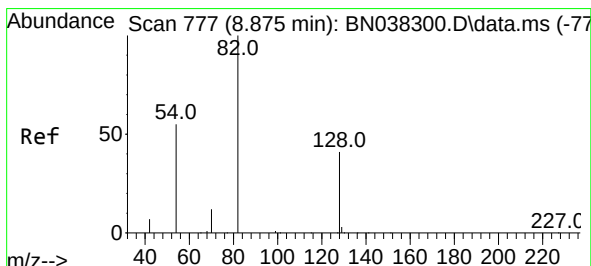
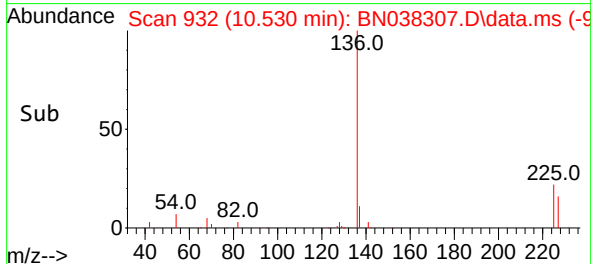
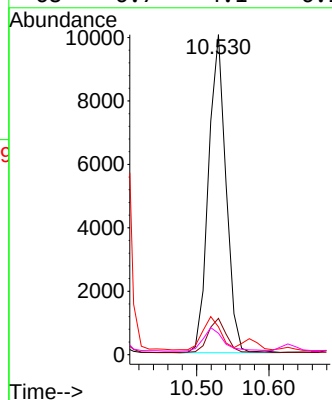
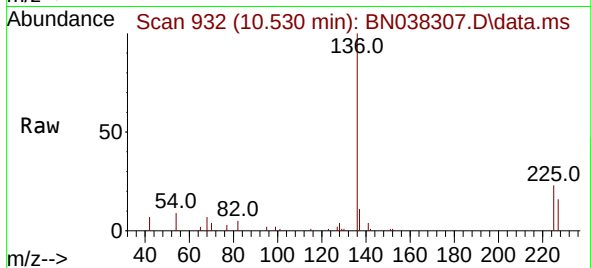




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

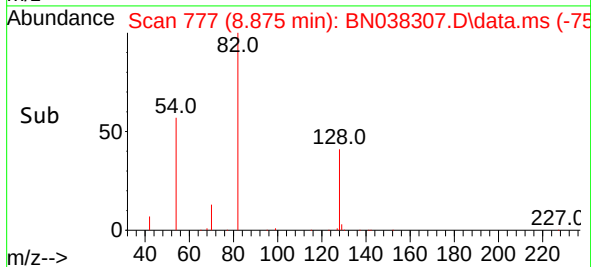
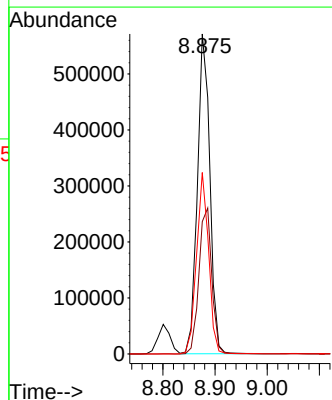
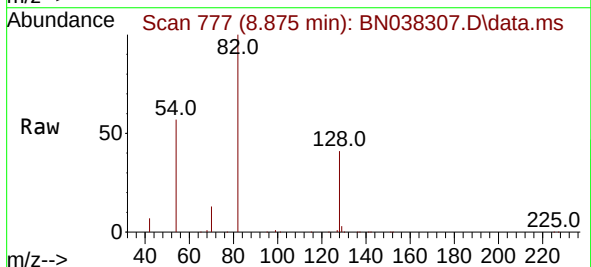
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-BNA-SOIL

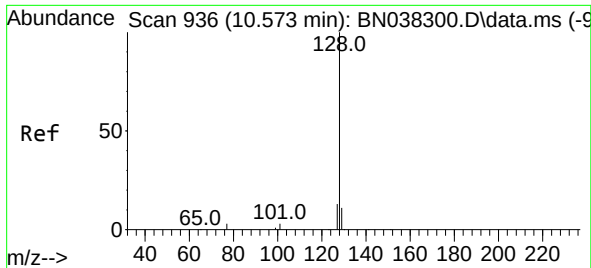
Tgt Ion:	136	Resp:	16861
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.7	5.2	7.8#
68	6.7	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 66.782 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

Tgt Ion:	82	Resp:	949778
Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.0	51.0
54	56.7	44.4	66.6

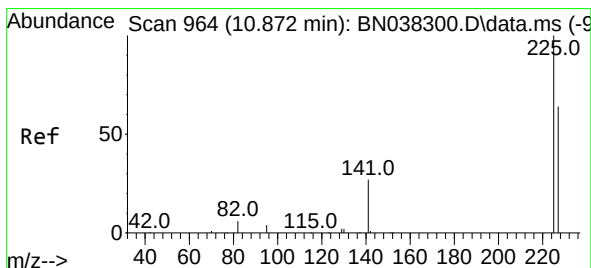
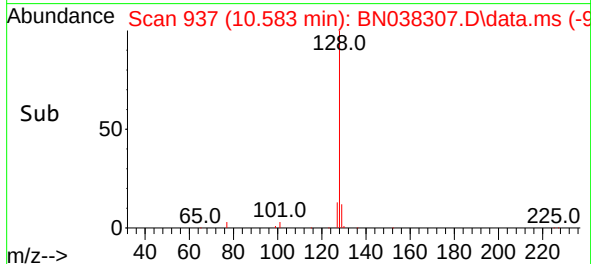
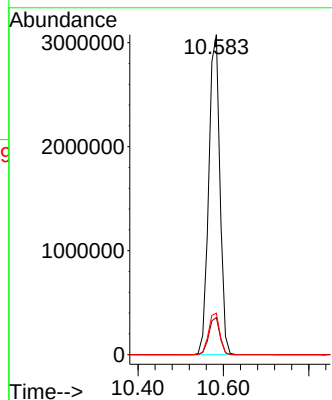
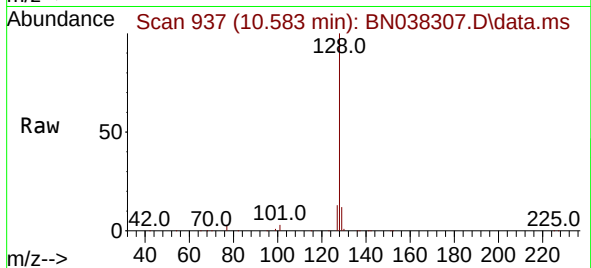




#9
Naphthalene
Concen: 111.661 ng
RT: 10.583 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

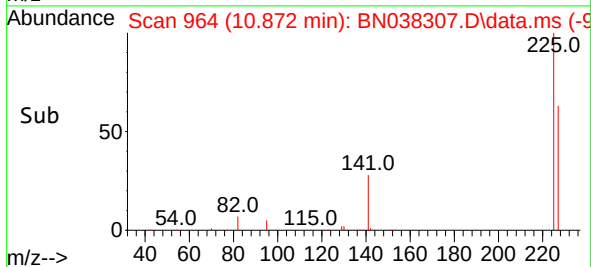
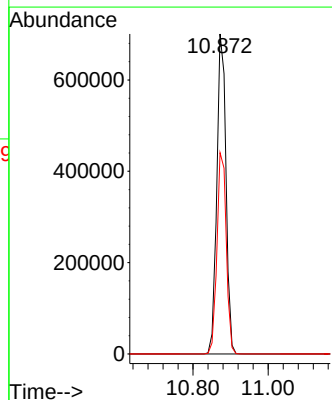
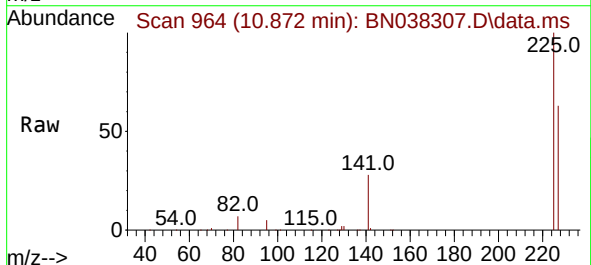
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-BNA-SOIL

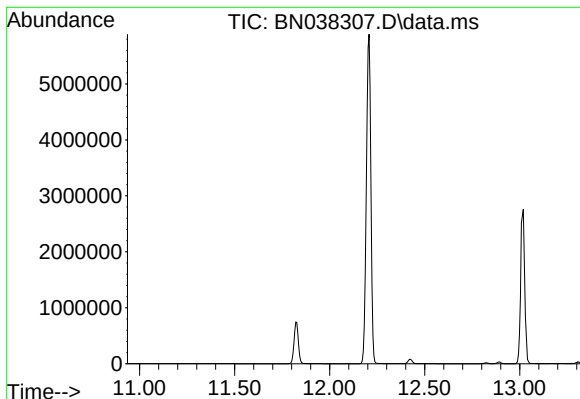
Tgt Ion:128 Resp: 5565377
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.0 10.9 16.3



#10
Hexachlorobutadiene
Concen: 133.744 ng
RT: 10.872 min Scan# 964
Delta R.T. -0.000 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

Tgt Ion:225 Resp: 1184946
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 51.2 76.8

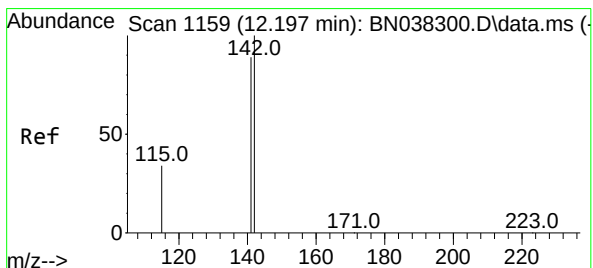
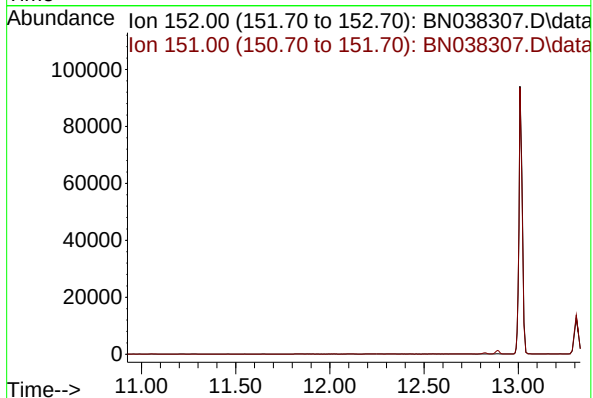




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.13 min

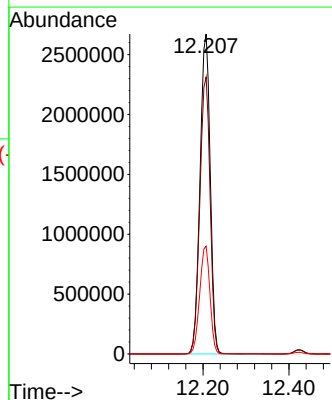
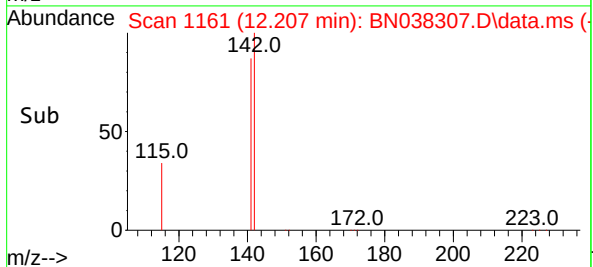
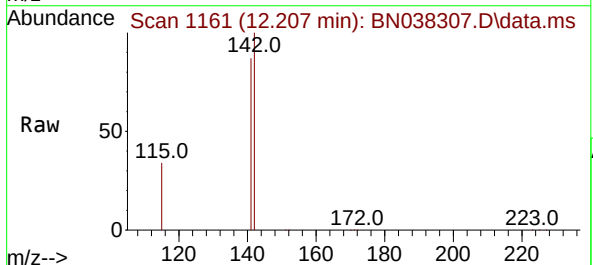
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-BNA-SOIL

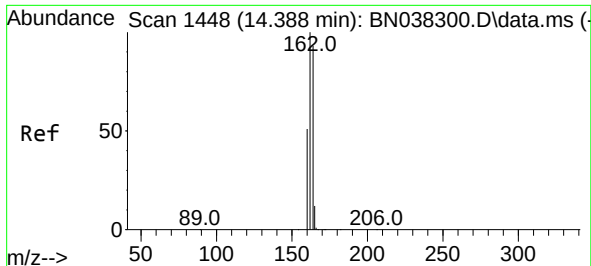
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18
Tgt Ion: 152
Sig Exp Ratio
152 100
151 21.3



#12
2-Methylnaphthalene
Concen: 138.830 ng
RT: 12.207 min Scan# 1161
Delta R.T. 0.005 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

Tgt Ion:142 Resp: 4392190
Ion Ratio Lower Upper
142 100
141 86.6 71.4 107.2
115 33.7 28.4 42.6

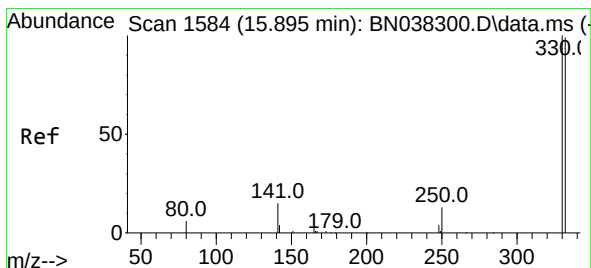
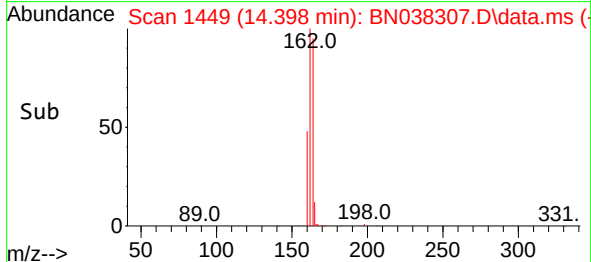
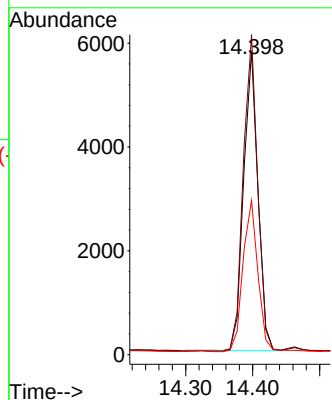
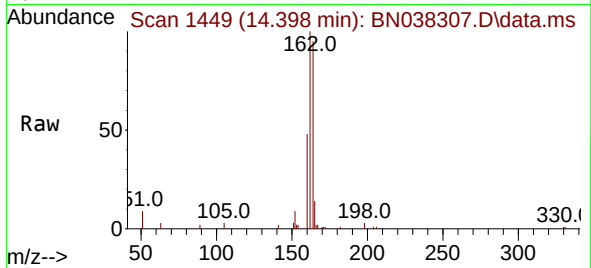




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.398 min Scan# 1448
 Delta R.T. -0.000 min
 Lab File: BN038307.D
 Acq: 10 Dec 2025 15:18

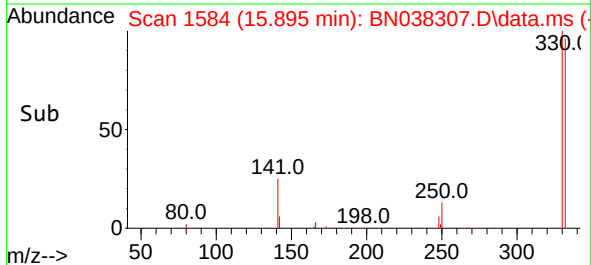
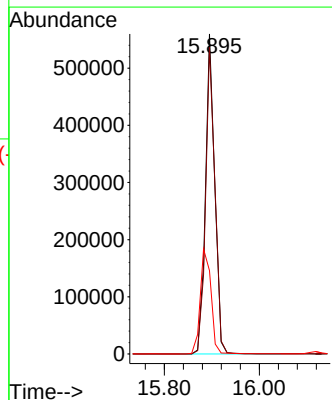
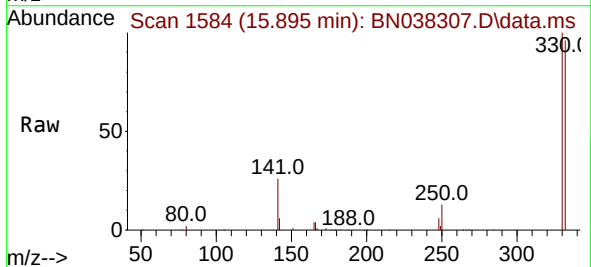
Instrument :
 BNA_N
 ClientSampleId :
 HW1025-PT-BNA-SOIL

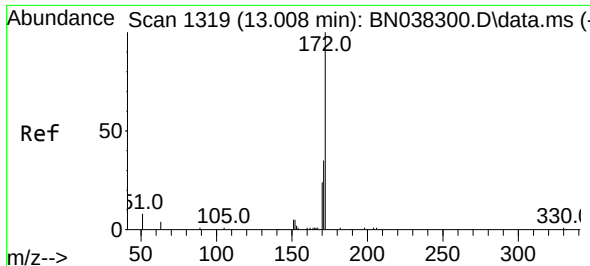
Tgt Ion:164 Resp: 8564
 Ion Ratio Lower Upper
 164 100
 162 105.3 86.2 129.4
 160 50.8 44.6 67.0



#14
 2,4,6-Tribromophenol
 Concen: 201.068 ng
 RT: 15.895 min Scan# 1584
 Delta R.T. -0.000 min
 Lab File: BN038307.D
 Acq: 10 Dec 2025 15:18

Tgt Ion:330 Resp: 763944
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.8 113.6
 141 37.7 31.8 47.8

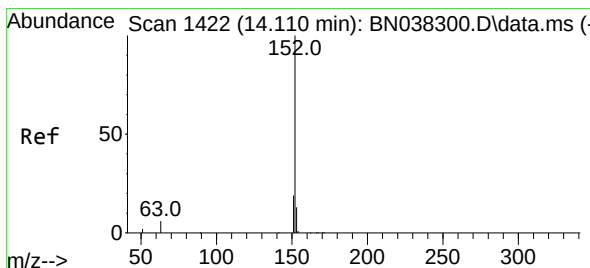
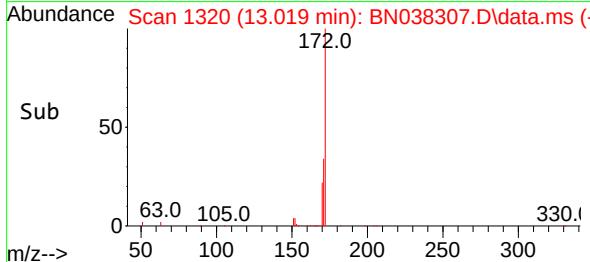
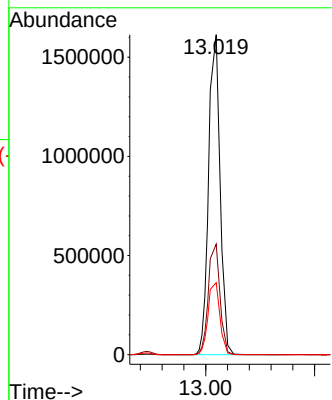
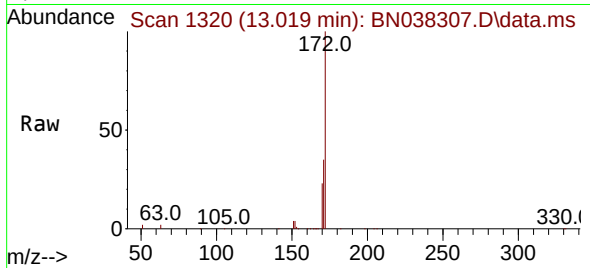




#15
2-Fluorobiphenyl
Concen: 53.751 ng
RT: 13.019 min Scan# 1320
Delta R.T. 0.011 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

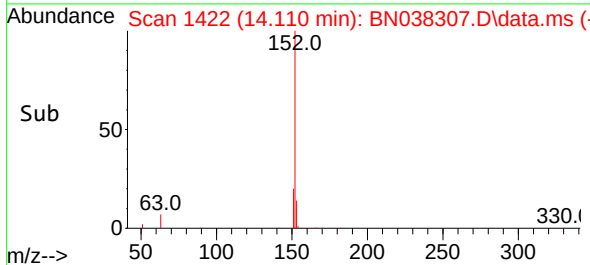
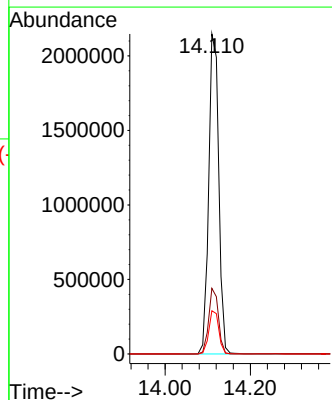
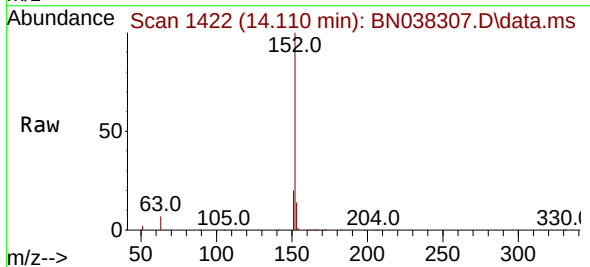
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-BNA-SOIL

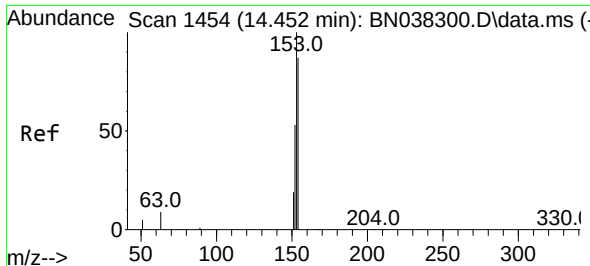
Tgt Ion:172 Resp: 2217649
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 22.5 19.3 28.9



#16
Acenaphthylene
Concen: 83.359 ng
RT: 14.110 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

Tgt Ion:152 Resp: 3505607
Ion Ratio Lower Upper
152 100
151 19.9 15.4 23.2
153 13.5 10.2 15.4

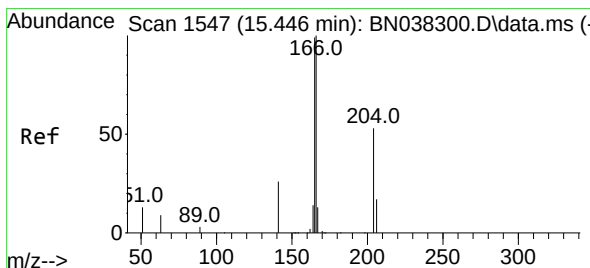
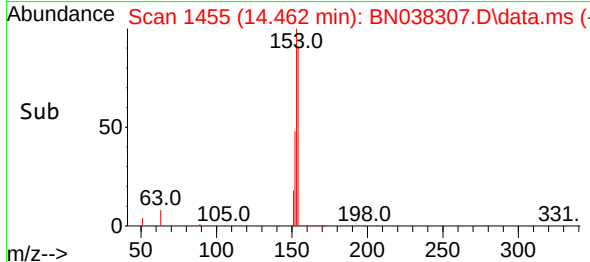
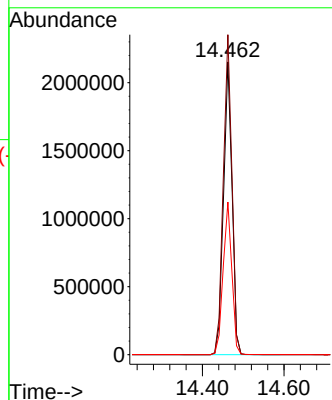
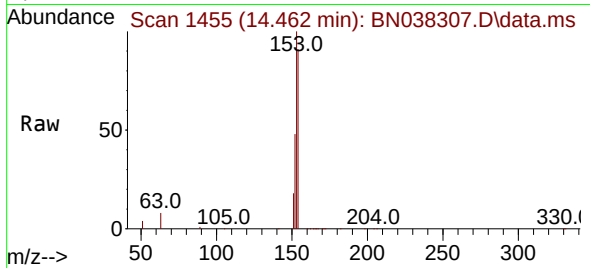




#17
Acenaphthene
Concen: 107.240 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

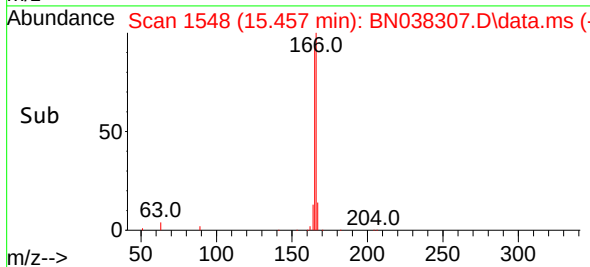
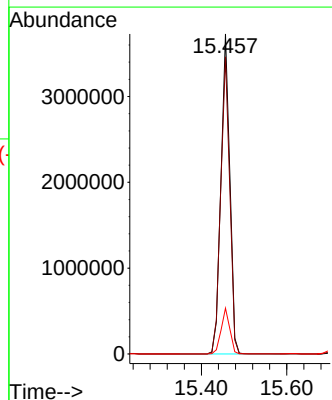
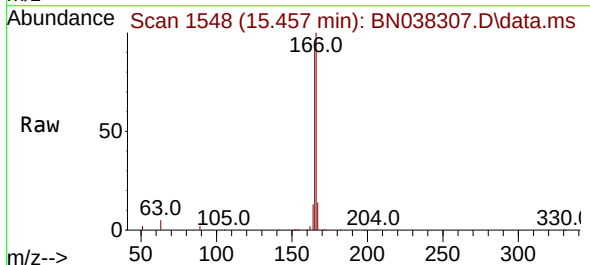
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-BNA-SOIL

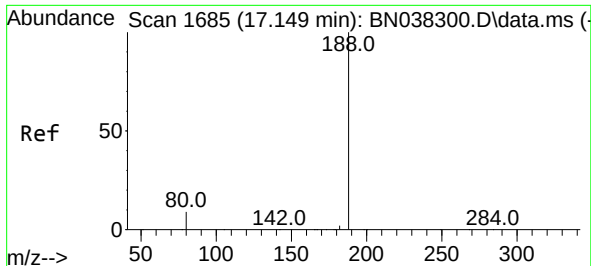
Tgt Ion:154 Resp: 3142123
Ion Ratio Lower Upper
154 100
153 110.7 89.8 134.8
152 53.2 47.5 71.3



#18
Fluorene
Concen: 148.835 ng
RT: 15.457 min Scan# 1548
Delta R.T. 0.011 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

Tgt Ion:166 Resp: 5610594
Ion Ratio Lower Upper
166 100
165 94.4 80.2 120.4
167 14.1 10.6 16.0

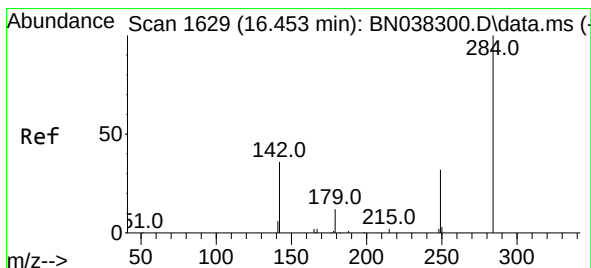
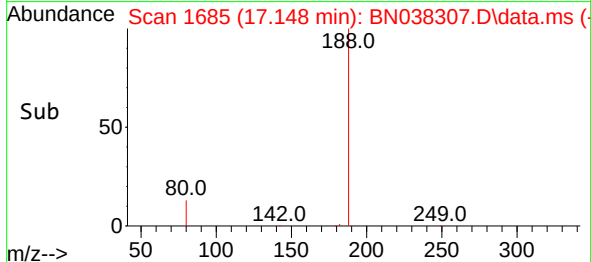
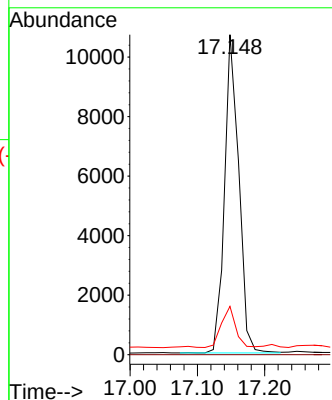
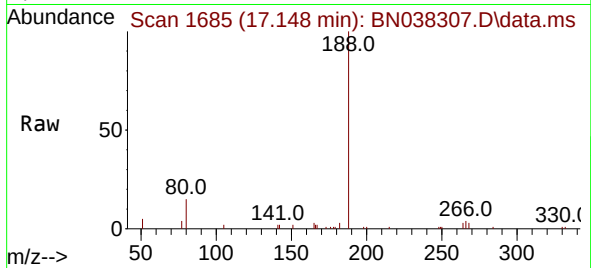




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

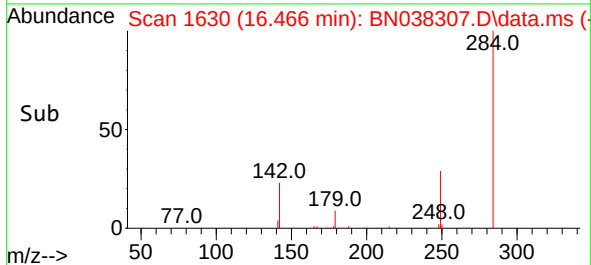
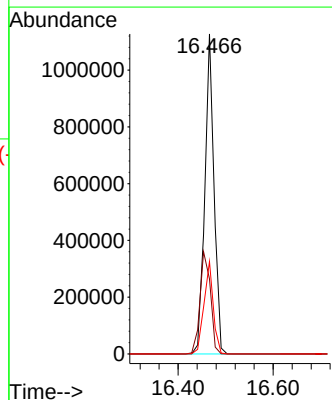
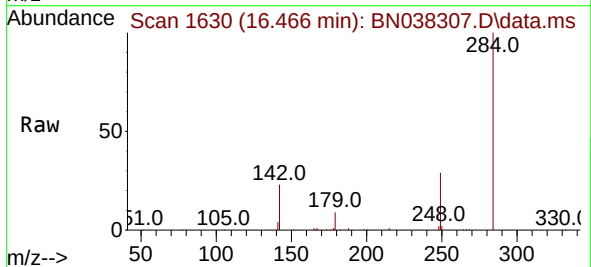
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-BNA-SOIL

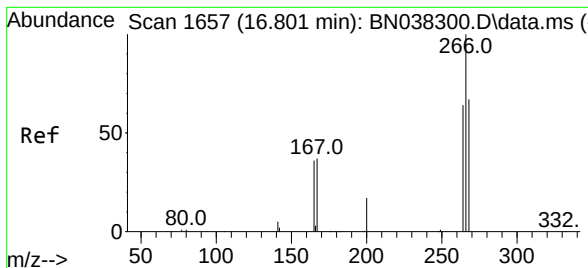
Tgt Ion:188 Resp: 15660
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.1 7.4 11.0#



#22
Hexachlorobenzene
Concen: 109.412 ng
RT: 16.466 min Scan# 1630
Delta R.T. -0.000 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

Tgt Ion:284 Resp: 1528157
Ion Ratio Lower Upper
284 100
142 36.0 29.5 44.3
249 29.2 23.7 35.5





#24

Pentachlorophenol

Concen: 191.240 ng

RT: 16.801 min Scan# 1657

Delta R.T. -0.000 min

Lab File: BN038307.D

Acq: 10 Dec 2025 15:18

Instrument :

BNA_N

ClientSampleId :

HW1025-PT-BNA-SOIL

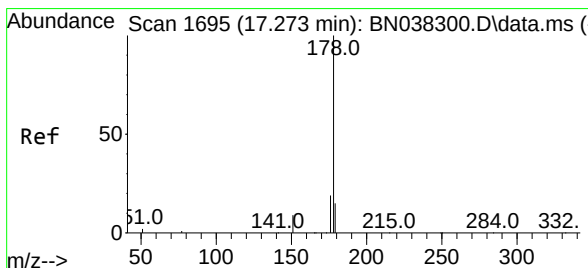
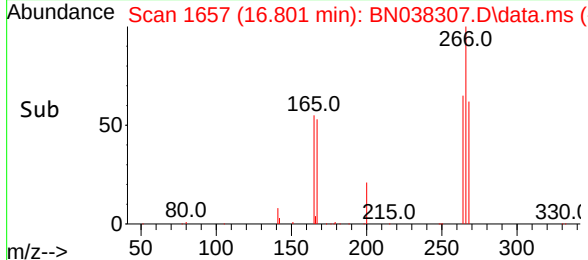
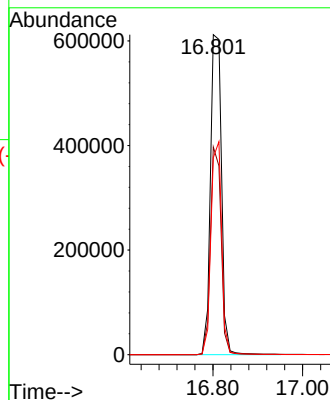
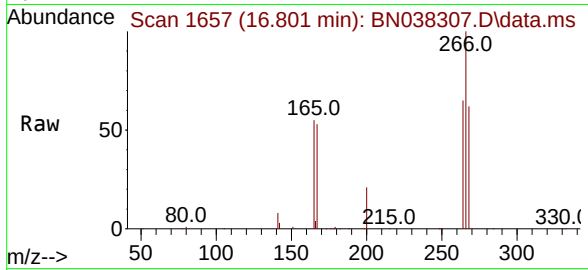
Tgt Ion:266 Resp: 1042316

Ion Ratio Lower Upper

266 100

264 62.6 50.2 75.2

268 64.4 52.6 78.8



#26

Anthracene

Concen: 84.982 ng

RT: 17.285 min Scan# 1696

Delta R.T. -0.000 min

Lab File: BN038307.D

Acq: 10 Dec 2025 15:18

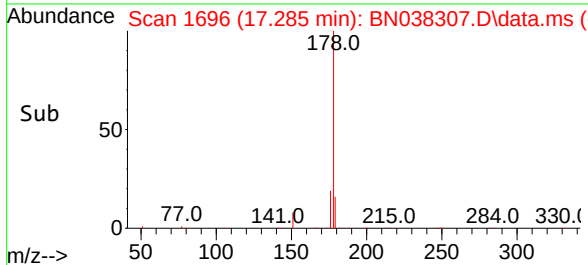
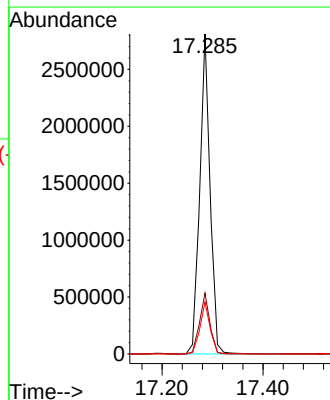
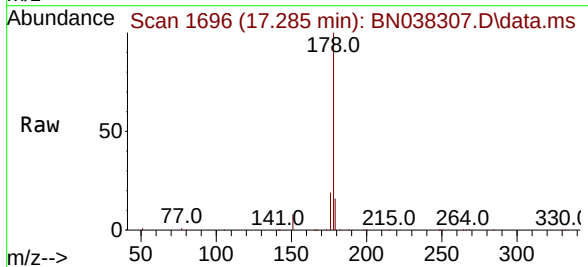
Tgt Ion:178 Resp: 3993563

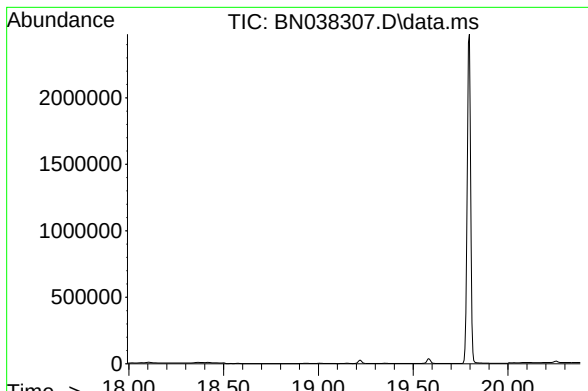
Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.9 12.0 18.0

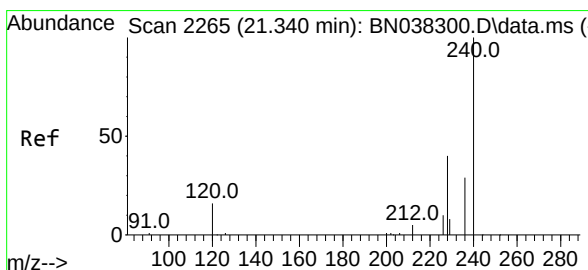
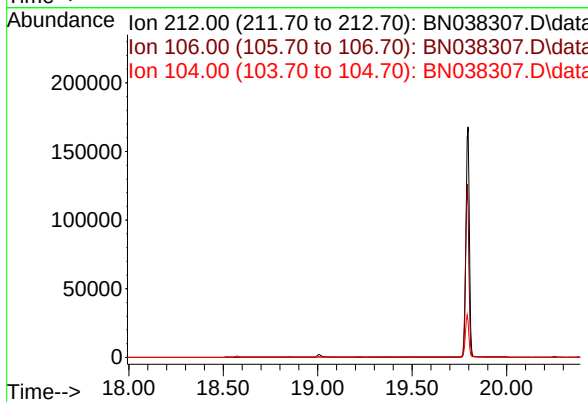




#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.19 min
 Lab File: BN038307.D
 Acq: 10 Dec 2025 15:18

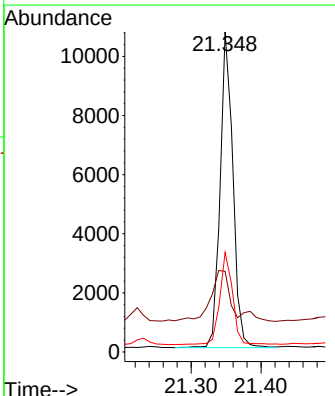
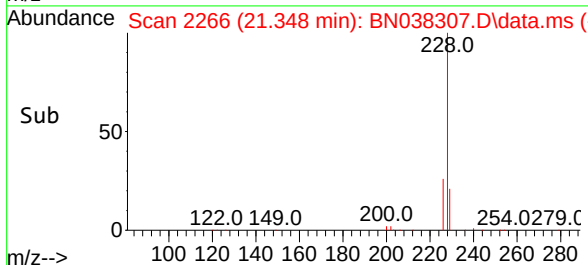
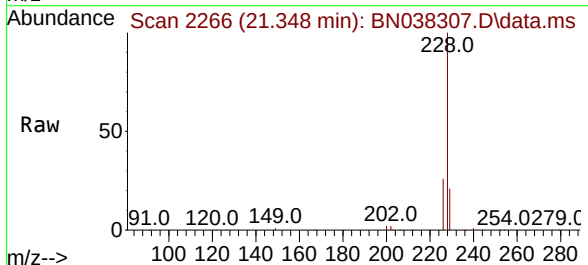
Instrument :
 BNA_N
 ClientSampleId :
 HW1025-PT-BNA-SOIL

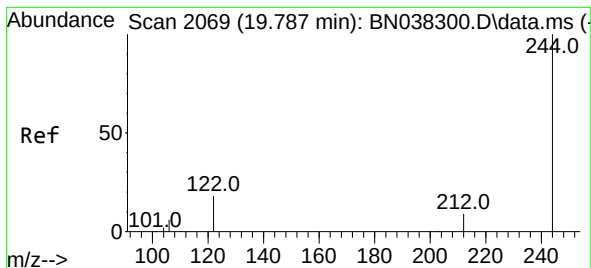
Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 17.1
 104 9.8



#29
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.348 min Scan# 2266
 Delta R.T. 0.009 min
 Lab File: BN038307.D
 Acq: 10 Dec 2025 15:18

Tgt Ion: 240 Resp: 13507
 Ion Ratio Lower Upper
 240 100
 120 25.2 15.4 23.2#
 236 31.1 23.9 35.9





#31

Terphenyl-d14

Concen: 75.410 ng

RT: 19.796 min Scan# 2069

Delta R.T. 0.005 min

Lab File: BN038307.D

Acq: 10 Dec 2025 15:18

Instrument :

BNA_N

ClientSampleId :

HW1025-PT-BNA-SOIL

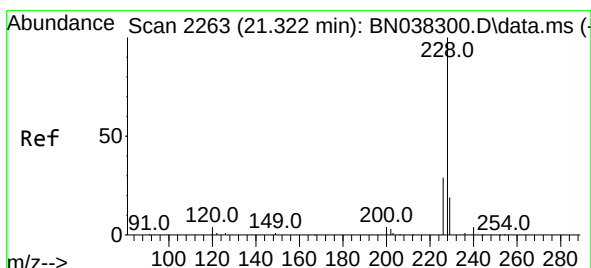
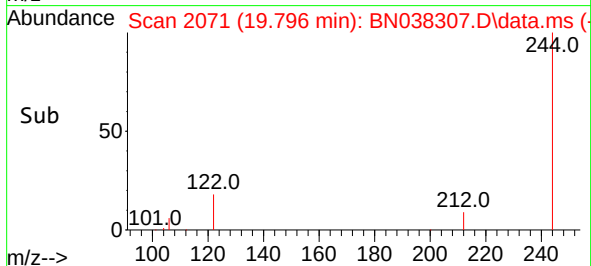
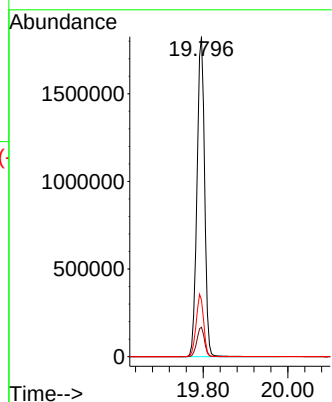
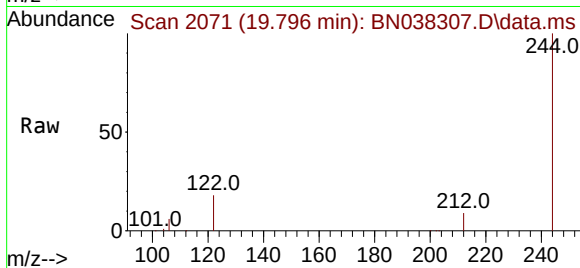
Tgt Ion:244 Resp: 2273090

Ion Ratio Lower Upper

244 100

212 9.2 7.9 11.9

122 17.7 15.0 22.6



#32

Benzo(a)anthracene

Concen: 92.785 ng

RT: 21.331 min Scan# 2264

Delta R.T. -0.000 min

Lab File: BN038307.D

Acq: 10 Dec 2025 15:18

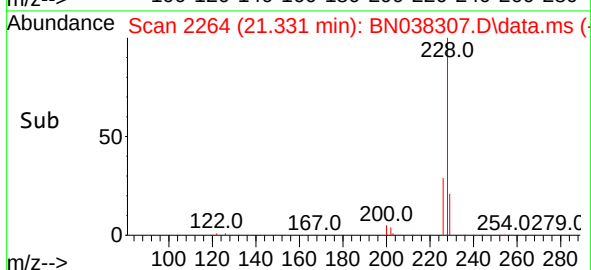
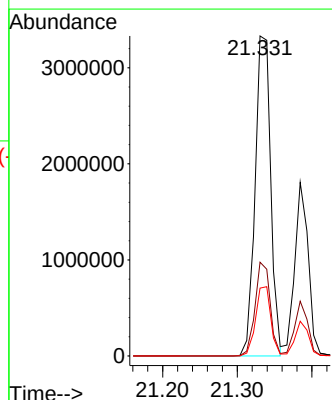
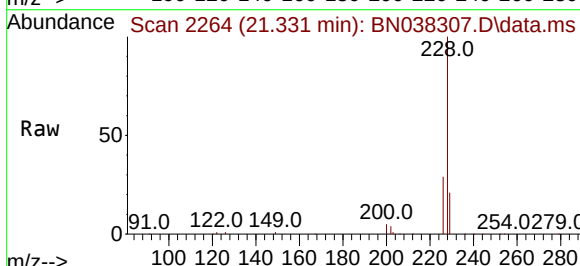
Tgt Ion:228 Resp: 4841413

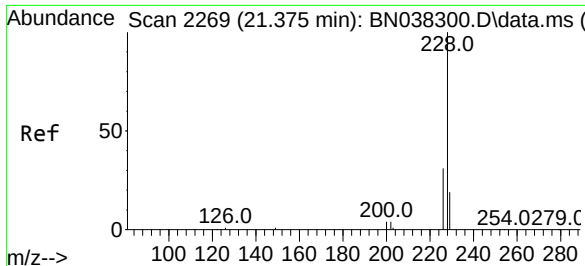
Ion Ratio Lower Upper

228 100

226 29.3 23.3 34.9

229 21.2 15.7 23.5

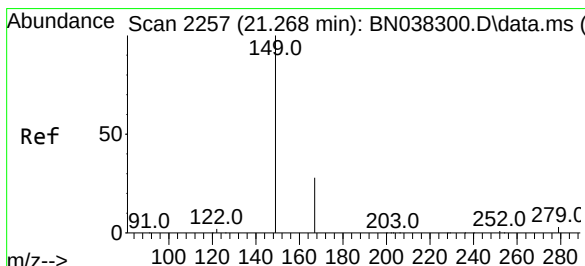
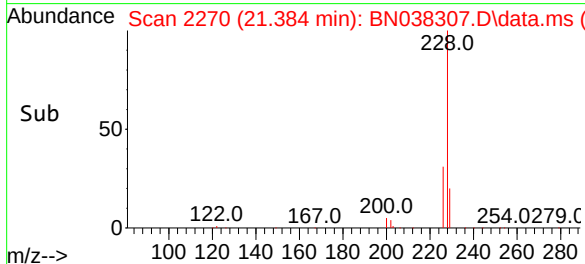
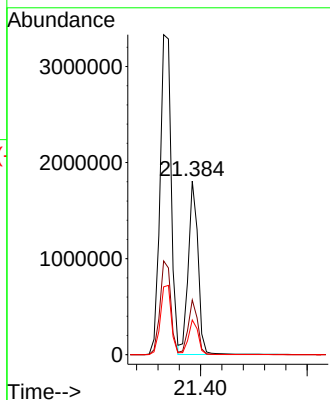
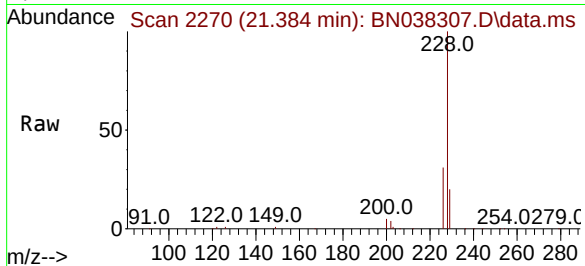




#33
Chrysene
Concen: 39.956 ng
RT: 21.384 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

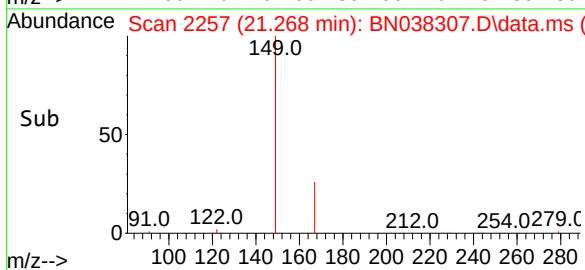
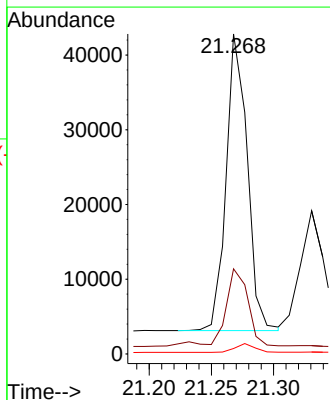
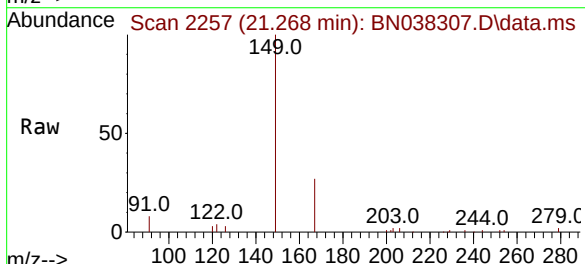
Instrument :
BNA_N
ClientSampleId :
HW1025-PT-BNA-SOIL

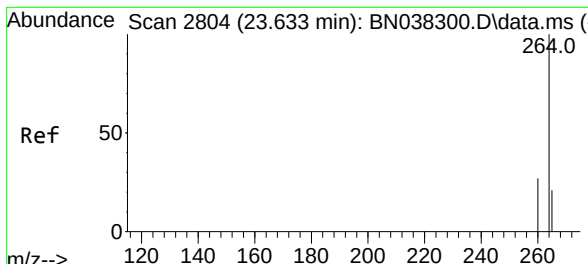
Tgt Ion:228 Resp: 2295529
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.4
229 20.0 15.5 23.3



#34
Bis(2-ethylhexyl)phthalate
Concen: 1.631 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

Tgt Ion:149 Resp: 46700
Ion Ratio Lower Upper
149 100
167 28.1 21.4 32.0
279 2.9 2.4 3.6



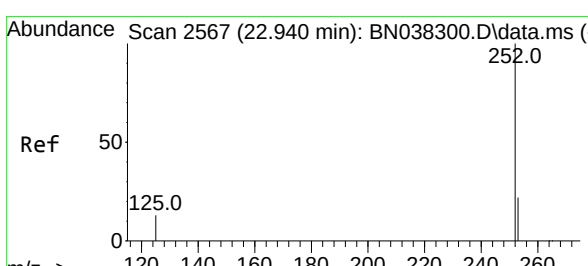
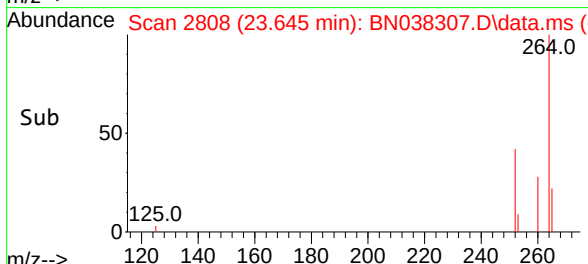
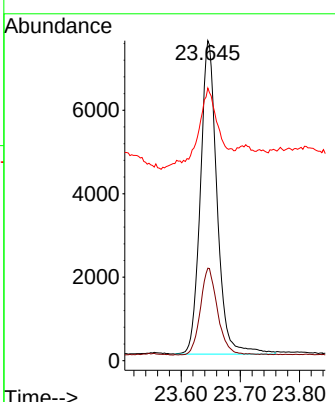
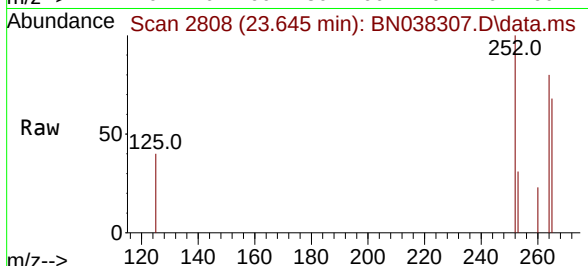


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.645 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BN038307.D
 Acq: 10 Dec 2025 15:18

Instrument : BNA_N
 ClientSampleId : HW1025-PT-BNA-SOIL

Tgt Ion:264 Resp: 14689

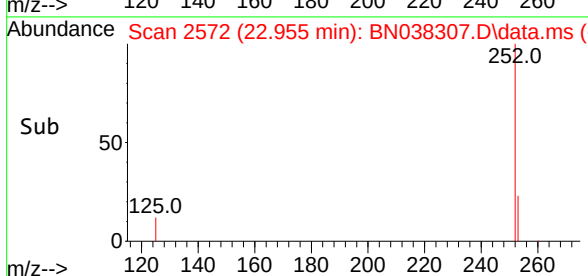
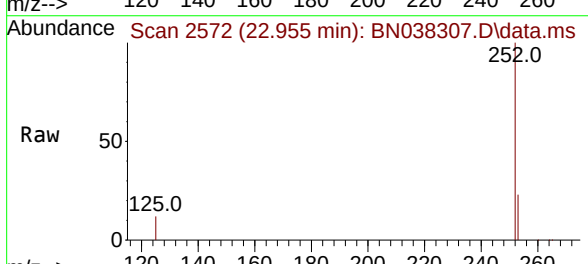
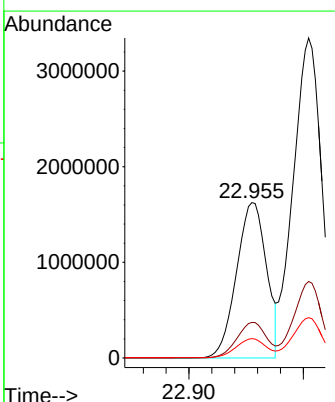
Ion	Ratio	Lower	Upper
264	100		
260	28.9	22.2	33.2
265	85.2	80.2	120.2

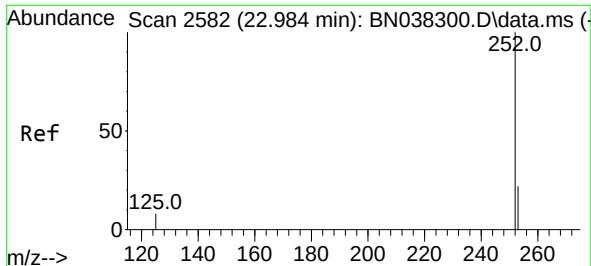


#37
 Benzo(b)fluoranthene
 Concen: 43.851 ng
 RT: 22.955 min Scan# 2572
 Delta R.T. 0.009 min
 Lab File: BN038307.D
 Acq: 10 Dec 2025 15:18

Tgt Ion:252 Resp: 2958553

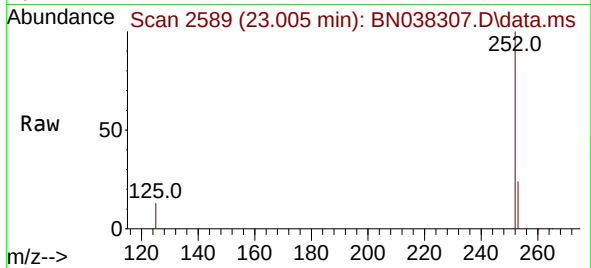
Ion	Ratio	Lower	Upper
252	100		
253	22.9	21.1	31.7
125	12.4	16.4	24.6



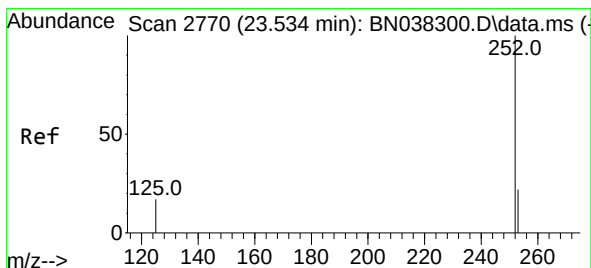
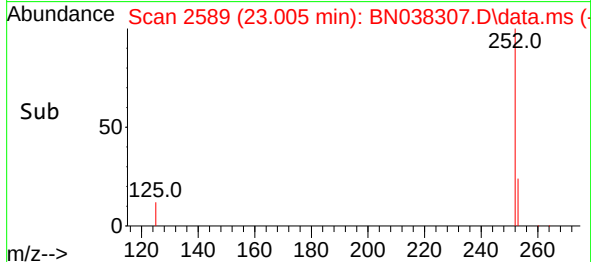
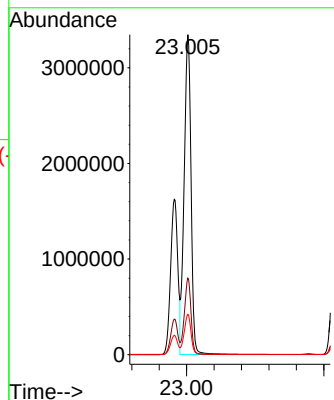


#38
Benzo(k)fluoranthene
Concen: 86.998 ng
RT: 23.005 min Scan# 2589
Delta R.T. 0.015 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

Instrument :
BNA_N
ClientSampleId :
HW1025-PT-BNA-SOIL



Tgt Ion:252 Resp: 5851760
Ion Ratio Lower Upper
252 100
253 23.9 21.4 32.0
125 12.6 16.2 24.2#



#39
Benzo(a)pyrene
Concen: 94.102 ng
RT: 23.551 min Scan# 2776
Delta R.T. 0.018 min
Lab File: BN038307.D
Acq: 10 Dec 2025 15:18

Tgt Ion:252 Resp: 5195506
Ion Ratio Lower Upper
252 100
253 23.6 23.3 34.9
125 13.5 22.4 33.6#

