

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051325\
 Data File : BN036994.D
 Acq On : 13 May 2025 13:23
 Operator : RC/JU
 Sample : Q1872-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-BNA-SOIL

Quant Time: May 13 14:01:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 12 18:05:36 2025
 Response via : Initial Calibration

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

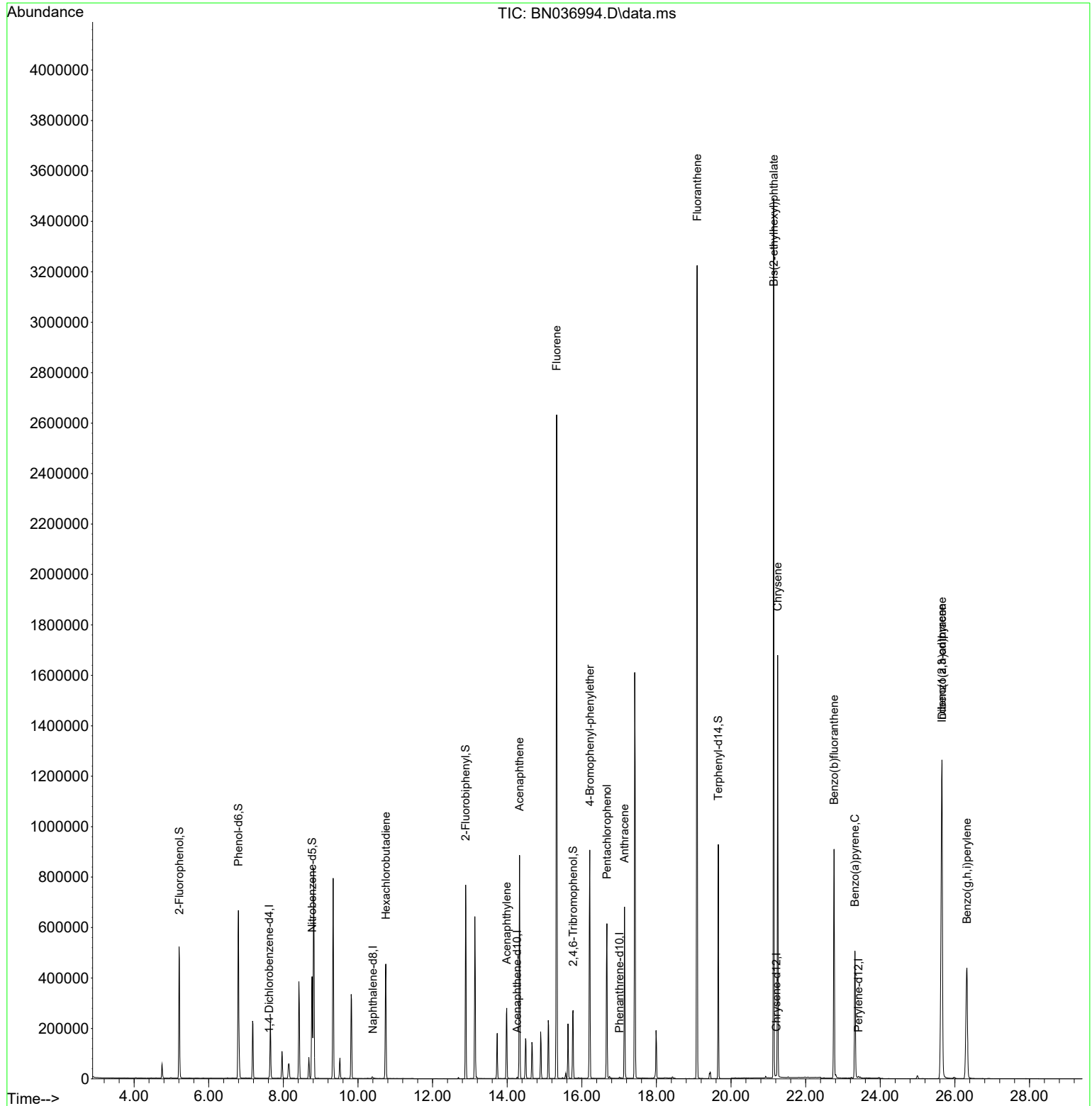
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	1722	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4561	0.400	ng	0.00
13) Acenaphthene-d10	14.267	164	2714	0.400	ng	0.00
19) Phenanthrene-d10	17.009	188	5807	0.400	ng	0.00
29) Chrysene-d12	21.215	240	6224	0.400	ng	# 0.00
35) Perylene-d12	23.415	264	6495	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	341114	76.855	ng	0.00
5) Phenol-d6	6.795	99	471892	87.678	ng	0.00
8) Nitrobenzene-d5	8.771	82	293159	60.981	ng	0.00
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	15.767	330	137866	110.780	ng	0.00
15) 2-Fluorobiphenyl	12.888	172	609066	48.060	ng	0.00
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	19.658	244	786500	55.825	ng	0.00
Target Compounds						Qvalue
10) Hexachlorobutadiene	10.746	225	347652	122.316	ng	# 99
16) Acenaphthylene	13.989	152	304012	22.917	ng	99
17) Acenaphthene	14.331	154	387533	44.495	ng	96
18) Fluorene	15.325	166	1487131	127.337	ng	97
21) 4-Bromophenyl-phenylether	16.214	248	289492	76.764	ng	96
24) Pentachlorophenol	16.674	266	246146	110.032	ng	97
26) Anthracene	17.145	178	618835	35.496	ng	100
28) Fluoranthene	19.091	202	2872240	127.869	ng	98
33) Chrysene	21.251	228	1282691	51.588	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	2892320	199.487	ng	99
36) Indeno(1,2,3-cd)pyrene	25.649	276	1664420	64.864	ng	99
37) Benzo(b)fluoranthene	22.760	252	1064857	39.348	ng	# 89
39) Benzo(a)pyrene	23.322	252	659197	29.323	ng	# 82
40) Dibenzo(a,h)anthracene	25.655	278	705754	35.256	ng	# 88
41) Benzo(g,h,i)perylene	26.321	276	866307	39.060	ng	95

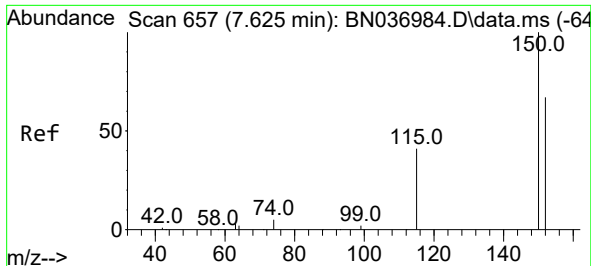
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051325\
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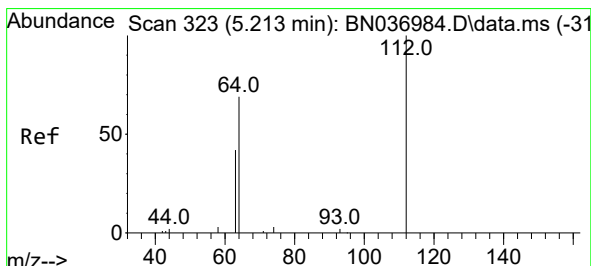
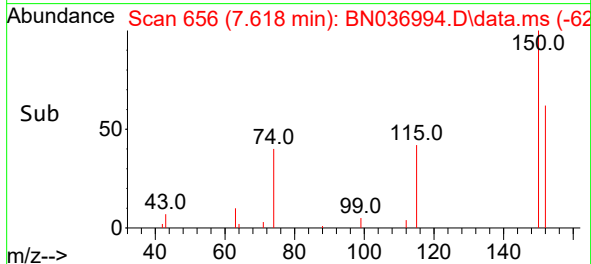
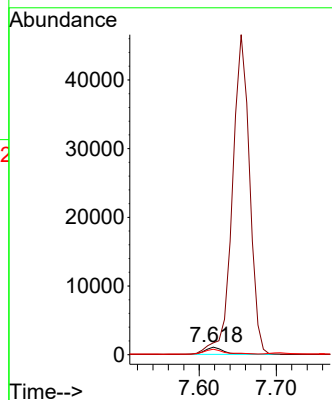
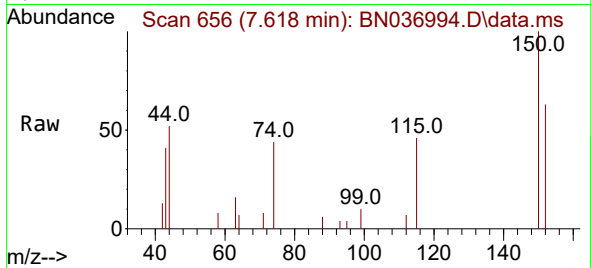




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.618 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

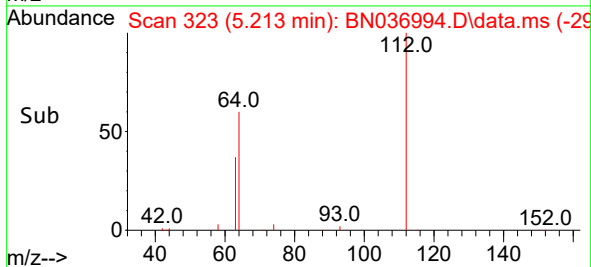
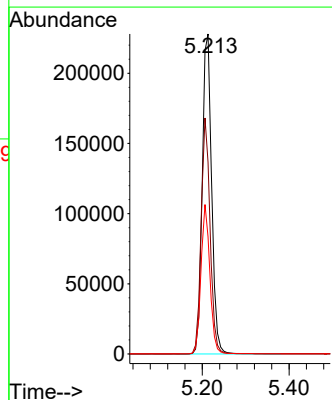
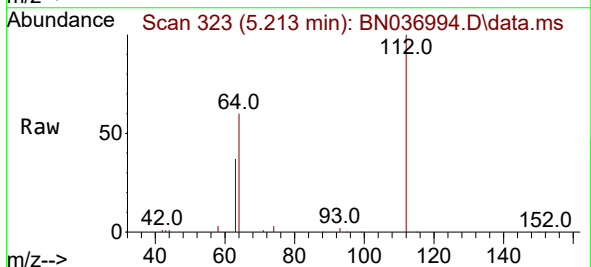
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL

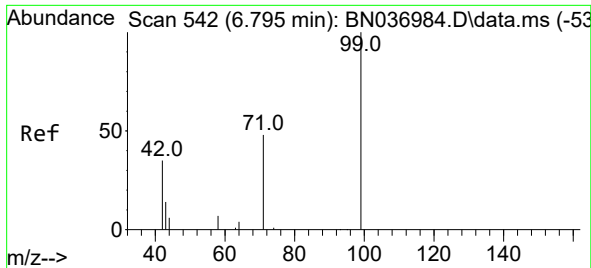
Tgt Ion:152 Resp: 1722
Ion Ratio Lower Upper
152 100
150 157.9 118.2 177.4
115 73.0 52.5 78.7



#4
2-Fluorophenol
Concen: 76.855 ng
RT: 5.213 min Scan# 323
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

Tgt Ion:112 Resp: 341114
Ion Ratio Lower Upper
112 100
64 70.6 56.2 84.2
63 44.5 34.3 51.5

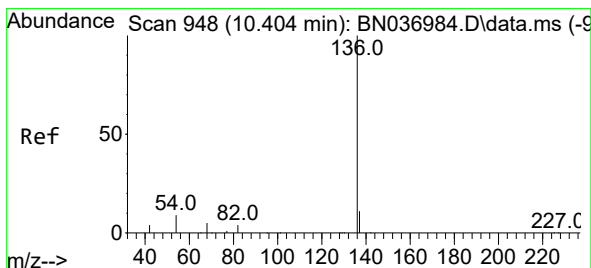
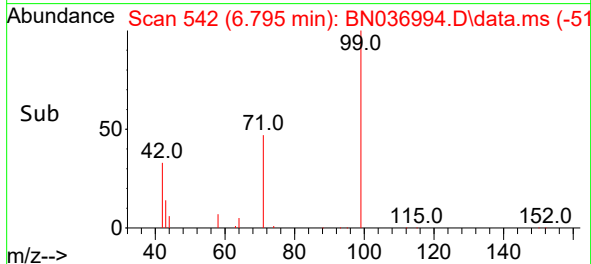
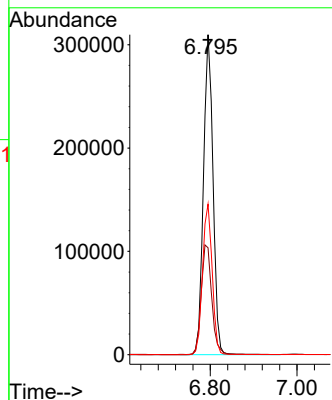
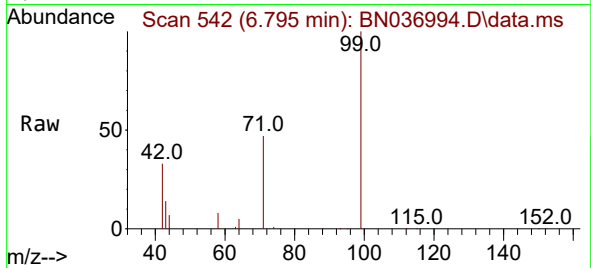




#5
Phenol-d6
Concen: 87.678 ng
RT: 6.795 min Scan# 542
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

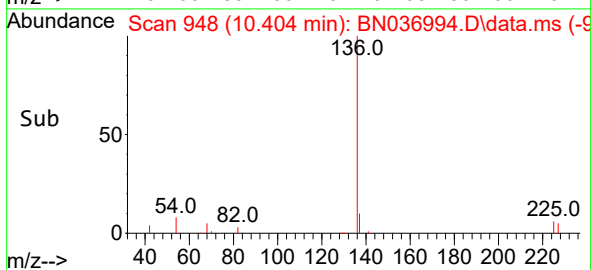
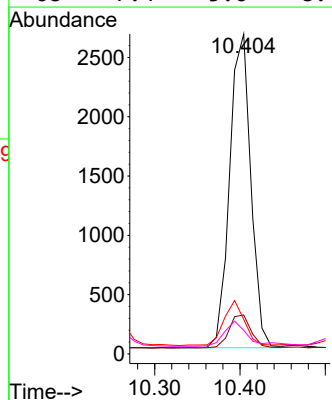
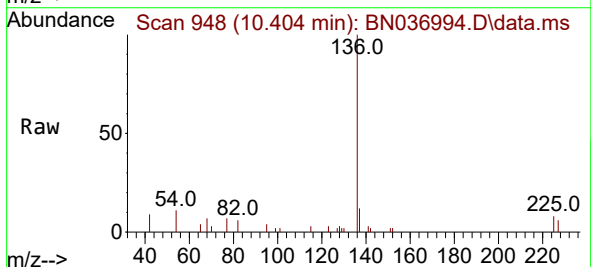
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL

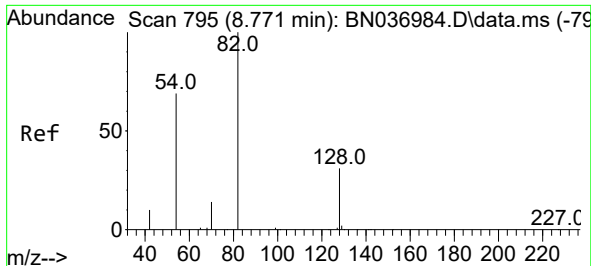
Tgt Ion: 99 Resp: 471892
Ion Ratio Lower Upper
99 100
42 37.8 29.0 43.6
71 47.8 36.2 54.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

Tgt Ion: 136 Resp: 4561
Ion Ratio Lower Upper
136 100
137 12.2 10.3 15.5
54 10.8 9.2 13.8
68 7.4 5.6 8.4

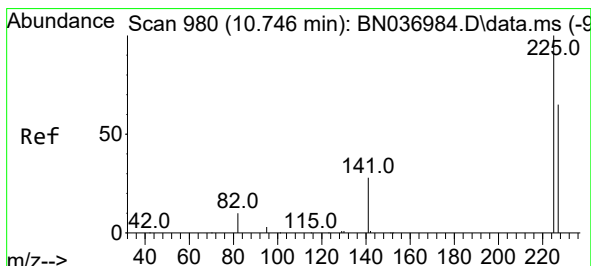
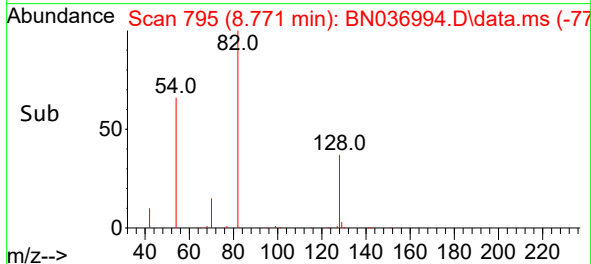
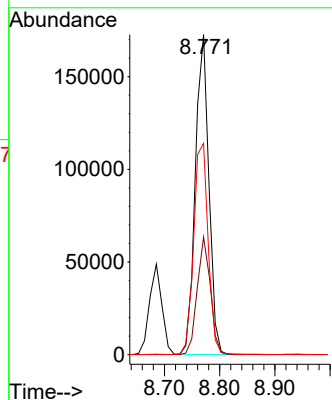
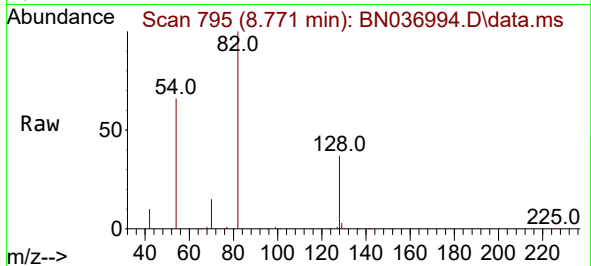




#8
Nitrobenzene-d5
Concen: 60.981 ng
RT: 8.771 min Scan# 795
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

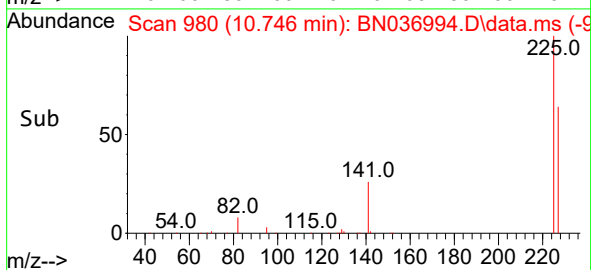
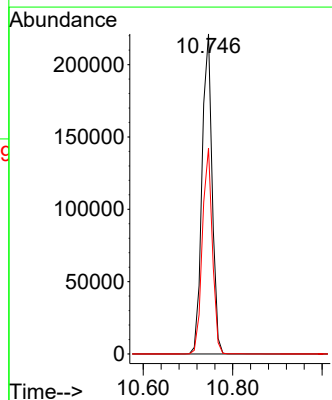
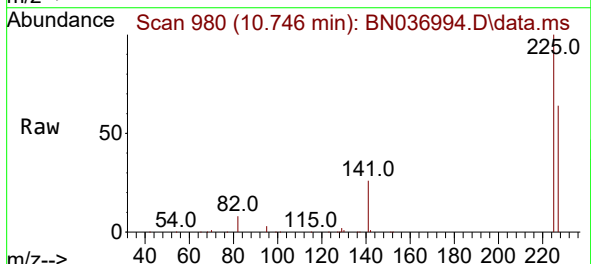
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL

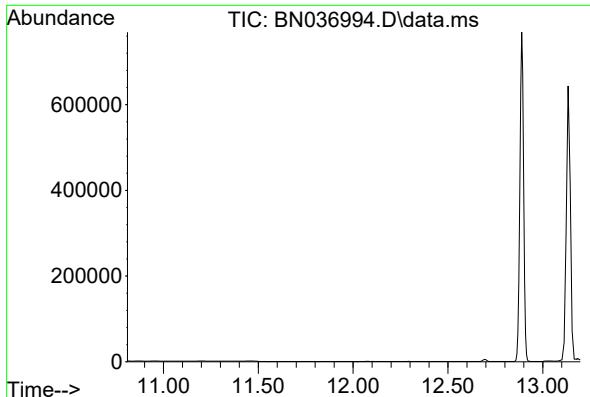
Tgt Ion: 82 Resp: 293159
Ion Ratio Lower Upper
82 100
128 36.7 28.1 42.1
54 66.1 56.4 84.6



#10
Hexachlorobutadiene
Concen: 122.316 ng
RT: 10.746 min Scan# 980
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

Tgt Ion: 225 Resp: 347652
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 51.2 76.8

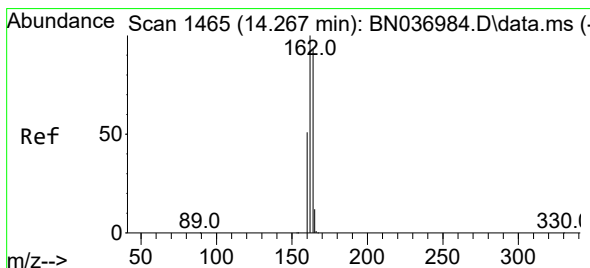
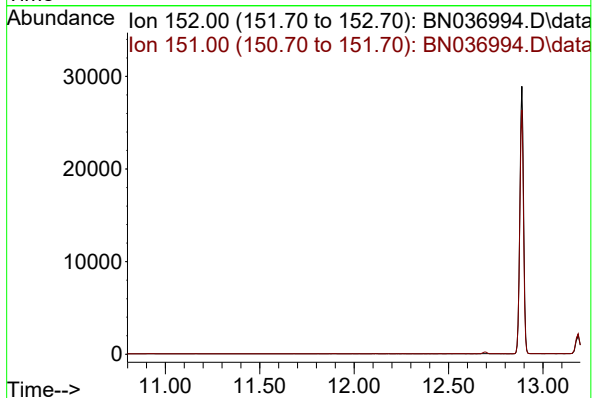




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.00 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

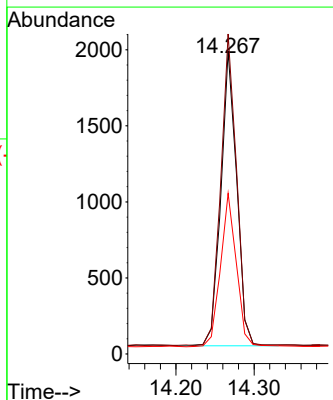
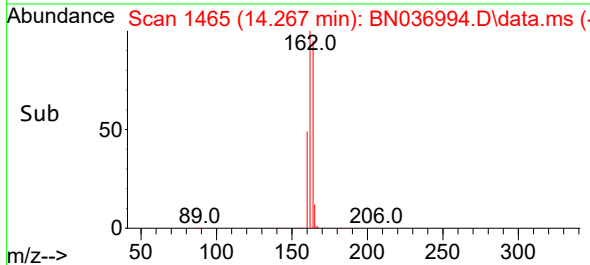
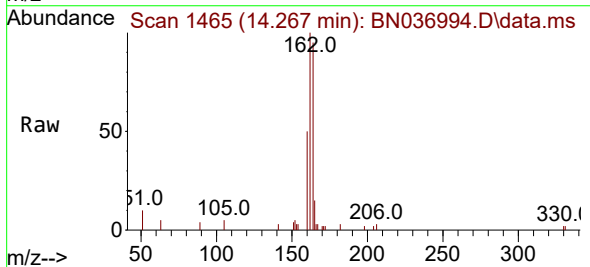
Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-BNA-SOIL

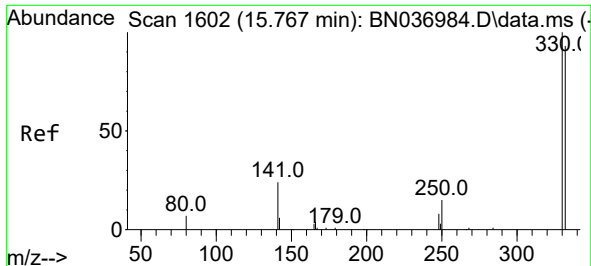
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 21.8



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.267 min Scan# 1465
 Delta R.T. 0.000 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

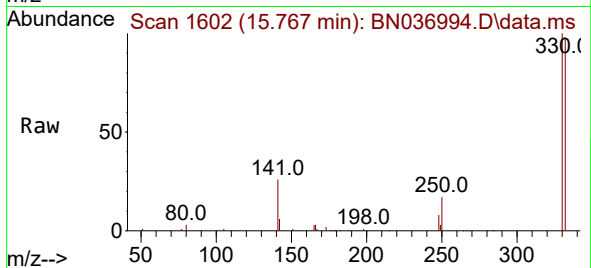
Tgt Ion: 164 Resp: 2714
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.1 129.1
 160 53.0 44.6 67.0



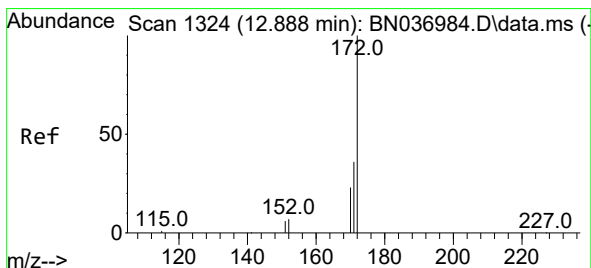
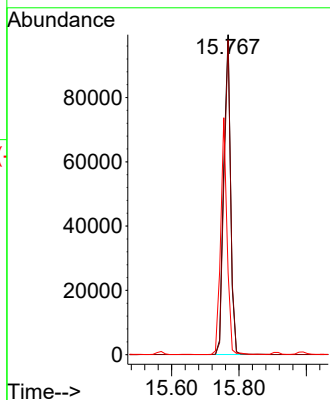
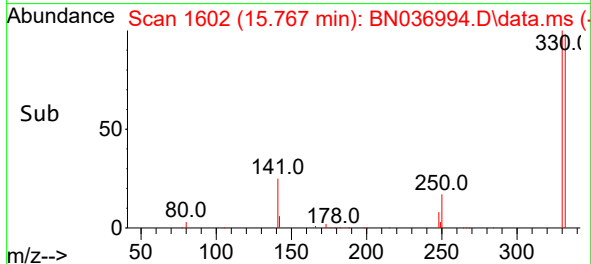


#14
2,4,6-Tribromophenol
Concen: 110.780 ng
RT: 15.767 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

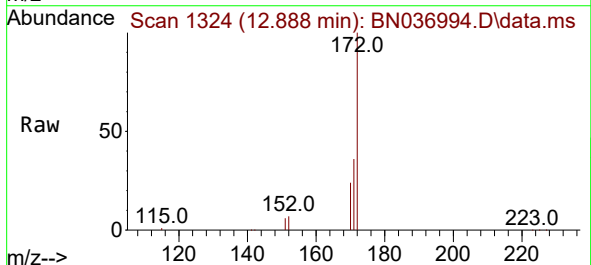
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL



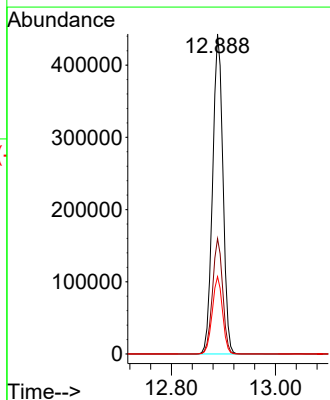
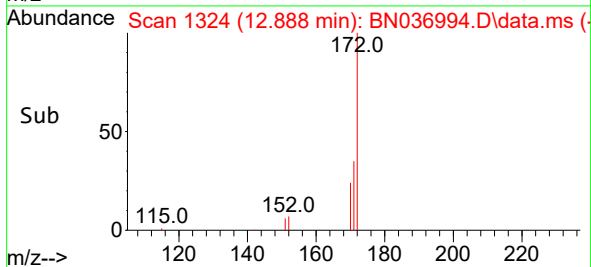
Tgt Ion:330 Resp: 137866
Ion Ratio Lower Upper
330 100
332 96.5 75.6 113.4
141 69.4 47.4 71.2

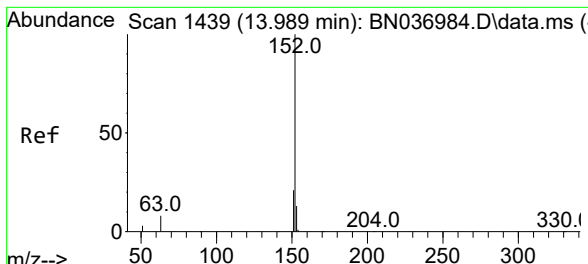


#15
2-Fluorobiphenyl
Concen: 48.060 ng
RT: 12.888 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23



Tgt Ion:172 Resp: 609066
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.2
170 24.2 19.4 29.0



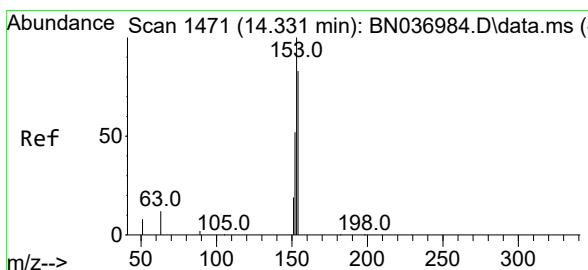
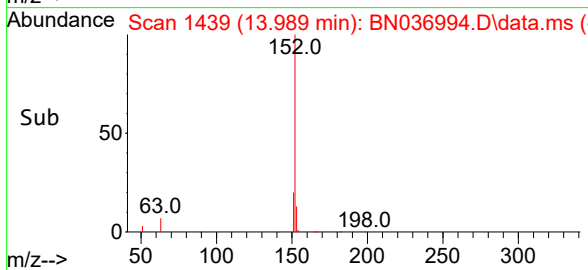
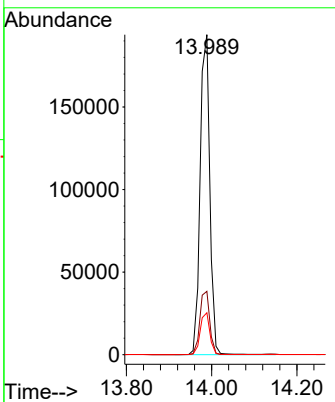
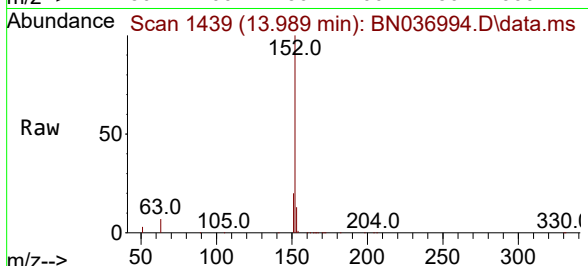


#16
 Acenaphthylene
 Concen: 22.917 ng
 RT: 13.989 min Scan# 1439
 Delta R.T. 0.000 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-BNA-SOIL

Tgt Ion:152 Resp: 304012

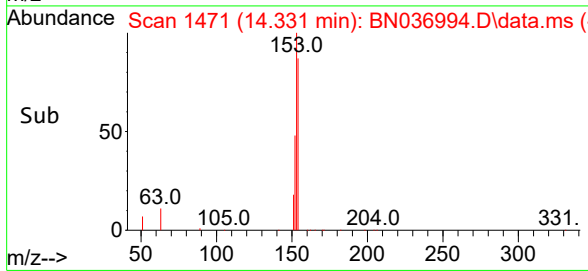
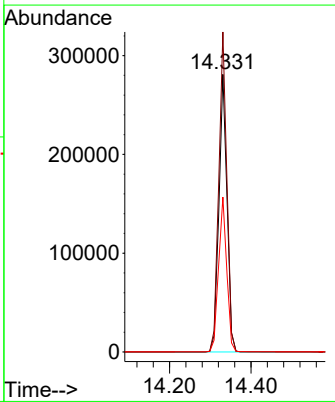
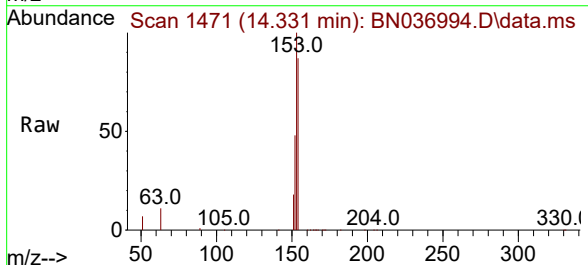
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.0	10.9	16.3

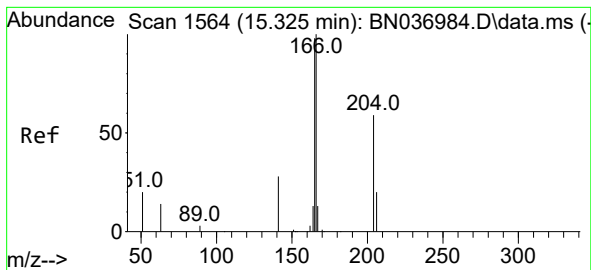


#17
 Acenaphthene
 Concen: 44.495 ng
 RT: 14.331 min Scan# 1471
 Delta R.T. 0.000 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

Tgt Ion:154 Resp: 387533

Ion	Ratio	Lower	Upper
154	100		
153	115.6	94.6	142.0
152	56.5	49.4	74.2





#18

Fluorene

Concen: 127.337 ng

RT: 15.325 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036994.D

Acq: 13 May 2025 13:23

Instrument :

BNA_N

ClientSampleId :

HW0425-PT-BNA-SOIL

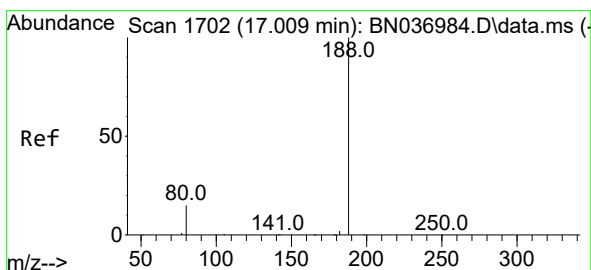
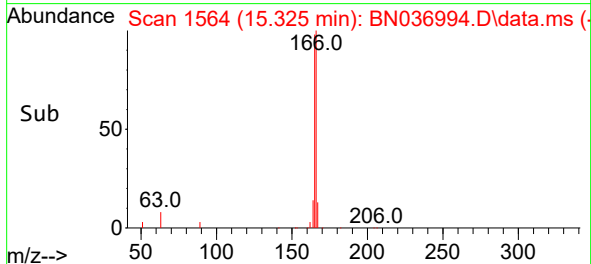
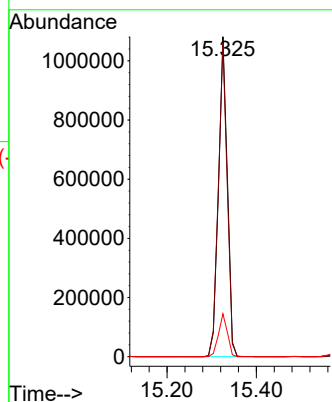
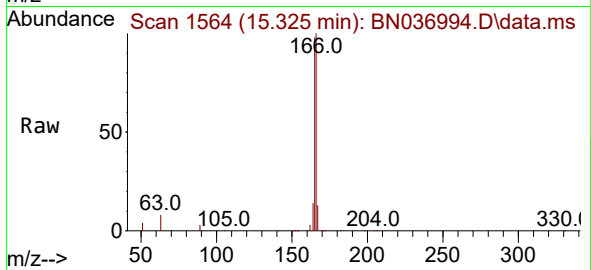
Tgt Ion:166 Resp: 1487131

Ion Ratio Lower Upper

166 100

165 98.3 81.0 121.4

167 13.4 10.6 16.0



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.009 min Scan# 1702

Delta R.T. 0.000 min

Lab File: BN036994.D

Acq: 13 May 2025 13:23

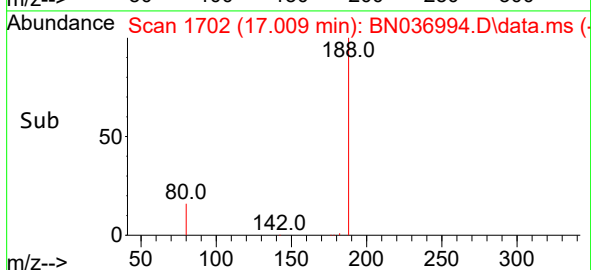
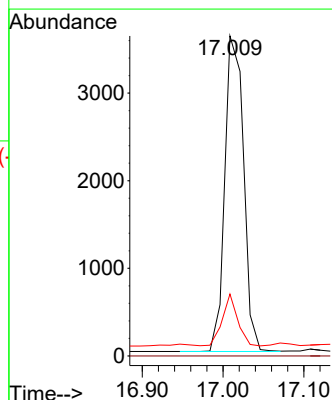
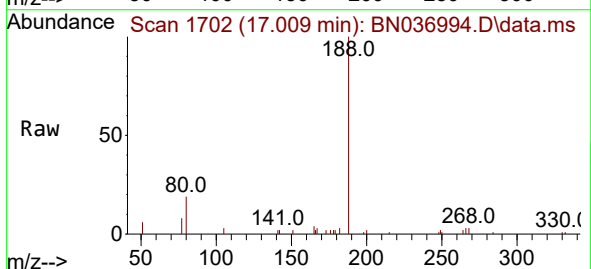
Tgt Ion:188 Resp: 5807

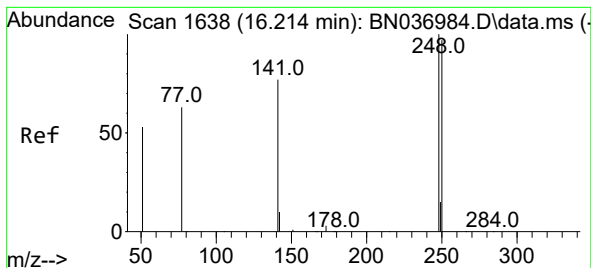
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 19.4 13.4 20.0

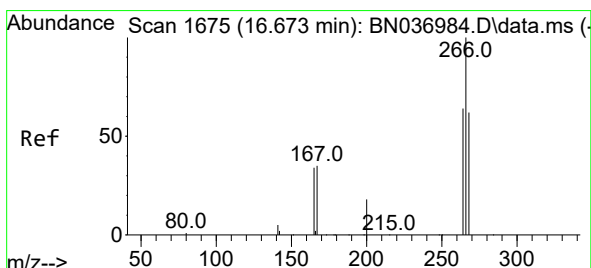
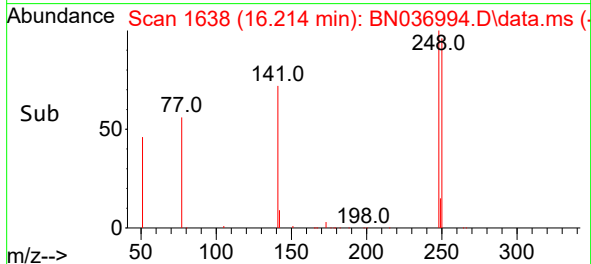
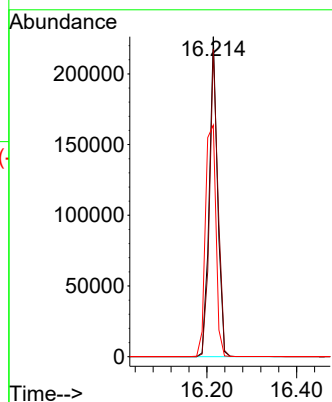
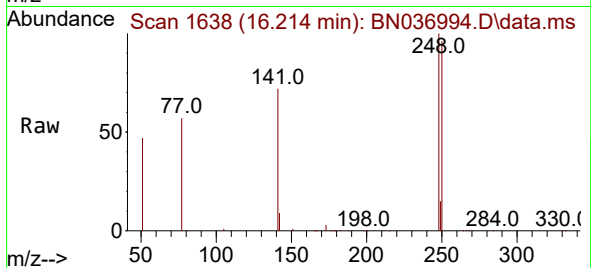




#21
4-Bromophenyl-phenylether
Concen: 76.764 ng
RT: 16.214 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

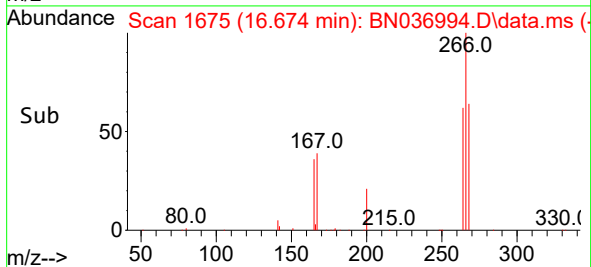
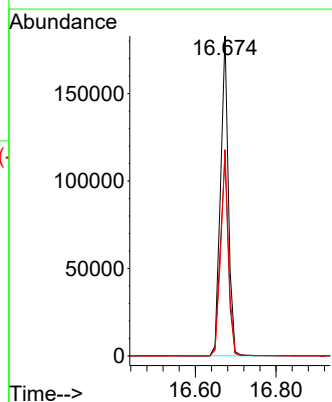
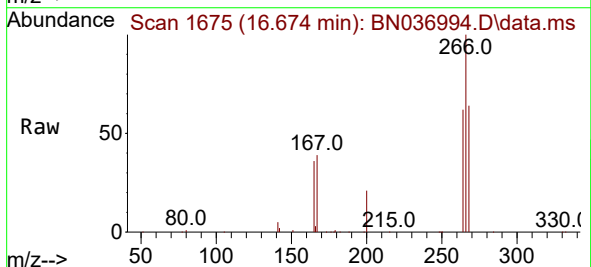
Instrument :
BNA_N
ClientSampleId :
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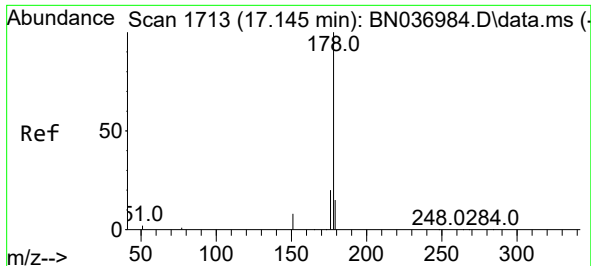
Tgt Ion:248 Resp: 289492
Ion Ratio Lower Upper
248 100
250 96.0 77.8 116.8
141 72.3 63.1 94.7



#24
Pentachlorophenol
Concen: 110.032 ng
RT: 16.674 min Scan# 1675
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

Tgt Ion:266 Resp: 246146
Ion Ratio Lower Upper
266 100
264 63.2 52.8 79.2
268 63.8 50.0 75.0

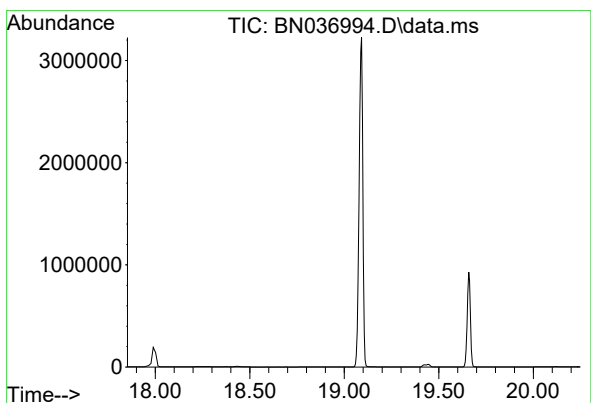
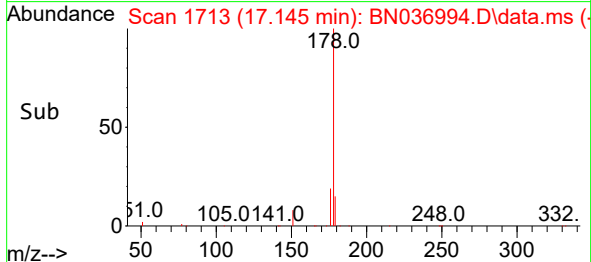
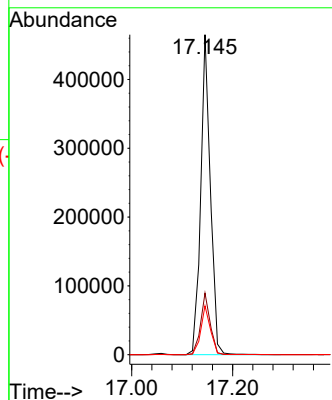
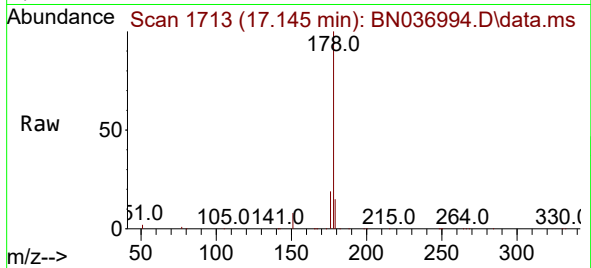




#26
 Anthracene
 Concen: 35.496 ng
 RT: 17.145 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-BNA-SOIL

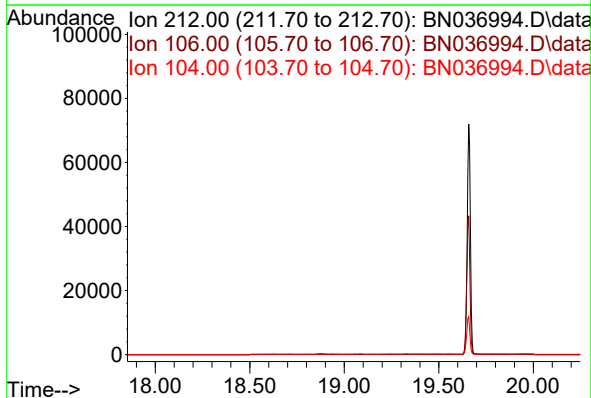
Tgt Ion:178 Resp: 618835
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 15.3 12.2 18.2

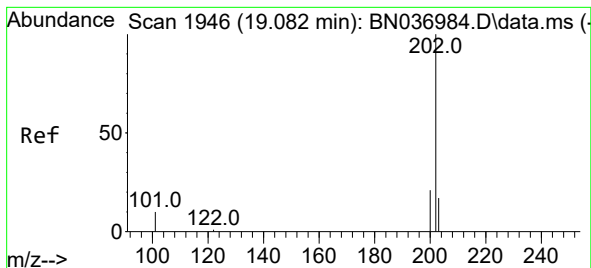


#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.05 min

Lab File: BN036994.D
 Acq: 13 May 2025 13:23

Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 14.1
 104 8.7





#28

Fluoranthene

Concen: 127.869 ng

RT: 19.091 min Scan# 1946

Delta R.T. 0.009 min

Lab File: BN036994.D

Acq: 13 May 2025 13:23

Instrument :

BNA_N

ClientSampleId :

HW0425-PT-BNA-SOIL

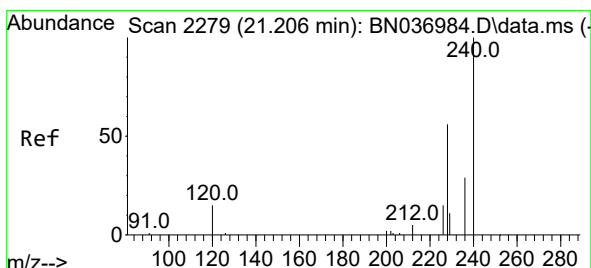
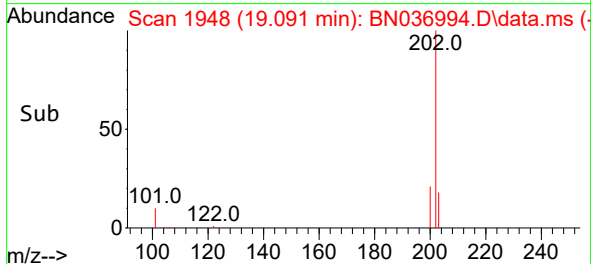
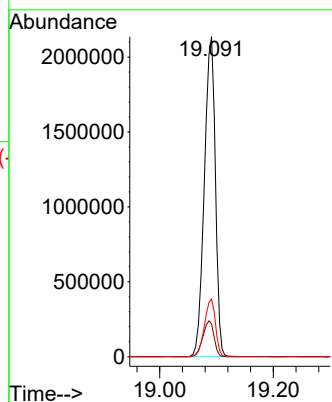
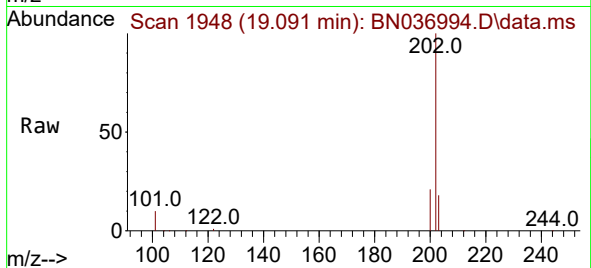
Tgt Ion:202 Resp: 2872240

Ion Ratio Lower Upper

202 100

101 11.3 8.6 12.8

203 17.9 13.5 20.3



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 2280

Delta R.T. 0.009 min

Lab File: BN036994.D

Acq: 13 May 2025 13:23

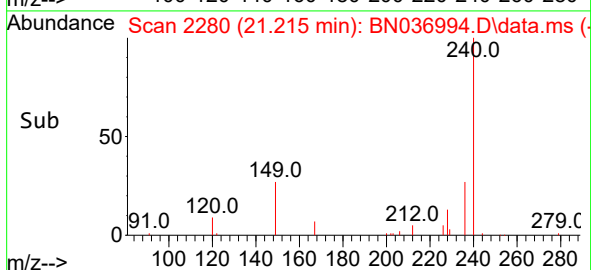
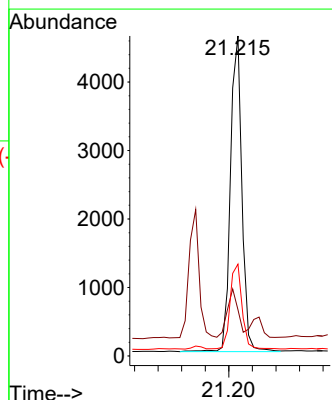
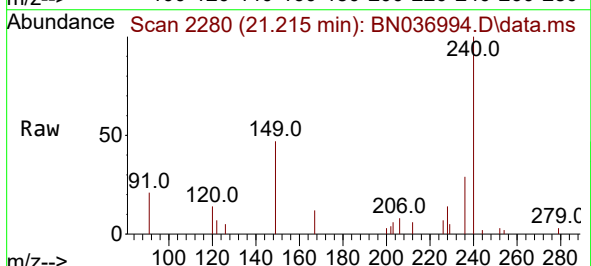
Tgt Ion:240 Resp: 6224

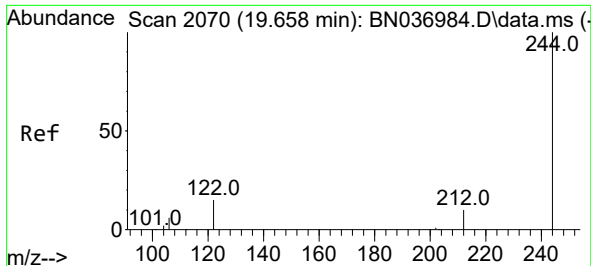
Ion Ratio Lower Upper

240 100

120 14.5 14.5 21.7#

236 28.7 24.3 36.5

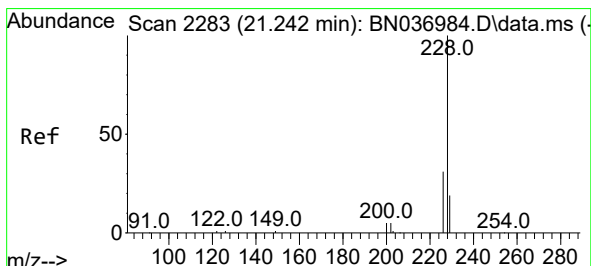
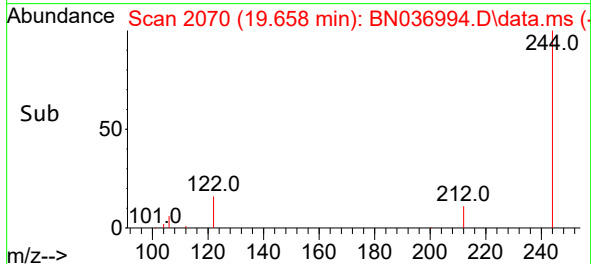
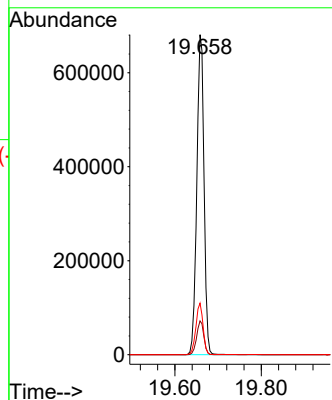
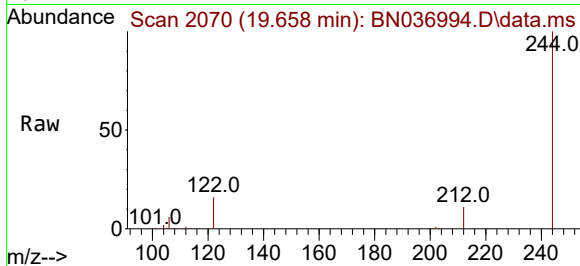




#31
 Terphenyl-d14
 Concen: 55.825 ng
 RT: 19.658 min Scan# 2070
 Delta R.T. 0.000 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

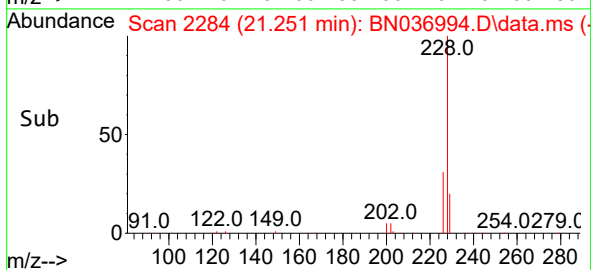
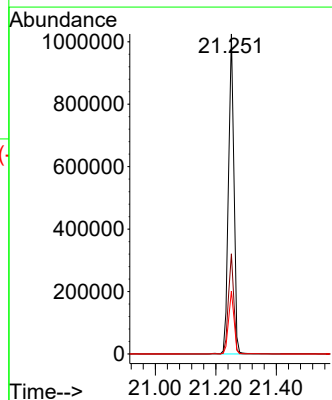
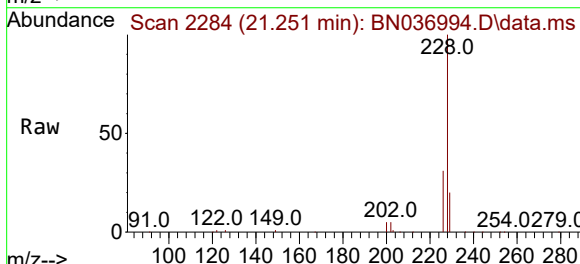
Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-BNA-SOIL

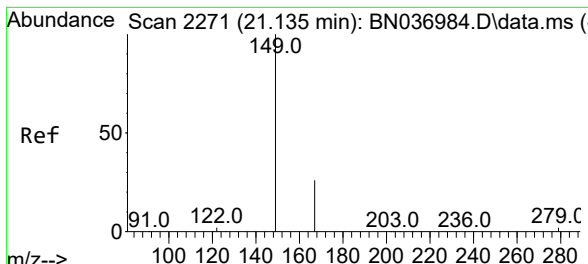
Tgt Ion:244 Resp: 786500
 Ion Ratio Lower Upper
 244 100
 212 10.6 9.5 14.3
 122 16.1 13.4 20.0



#33
 Chrysene
 Concen: 51.588 ng
 RT: 21.251 min Scan# 2284
 Delta R.T. 0.009 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

Tgt Ion:228 Resp: 1282691
 Ion Ratio Lower Upper
 228 100
 226 31.3 25.7 38.5
 229 19.7 16.0 24.0



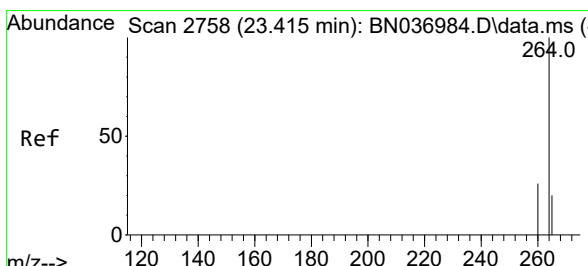
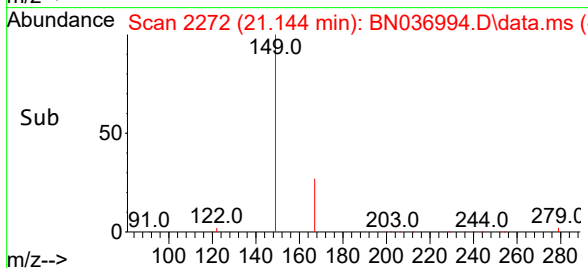
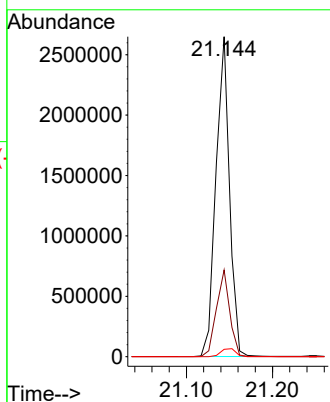
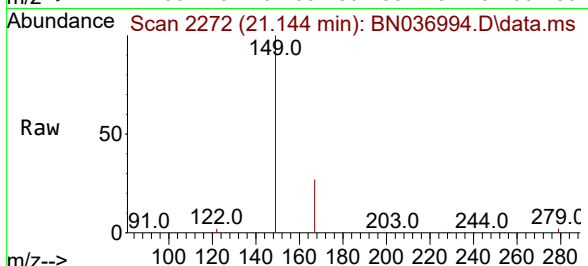


#34
 Bis(2-ethylhexyl)phthalate
 Concen: 199.487 ng
 RT: 21.144 min Scan# 2114
 Delta R.T. 0.009 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

Instrument : BNA_N
 ClientSampleId : HW0425-PT-BNA-SOIL

Tgt Ion:149 Resp: 2892320

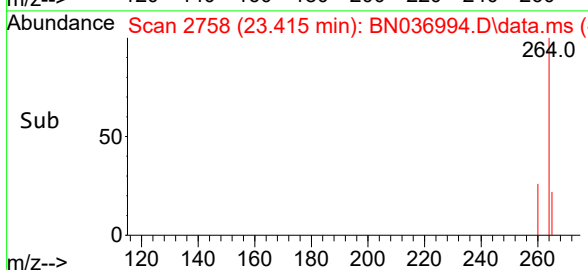
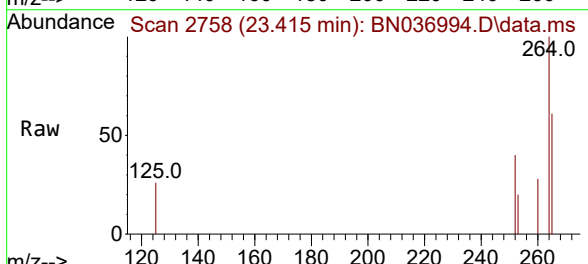
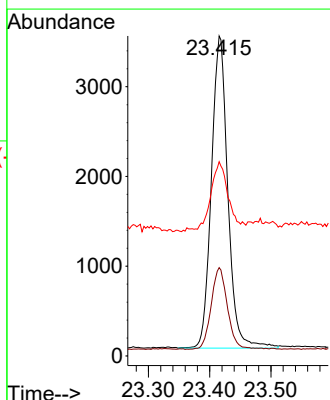
Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.0	31.6
279	2.8	2.7	4.1

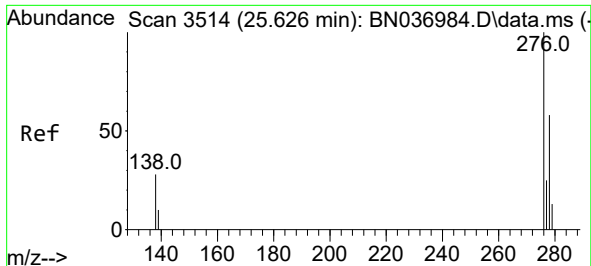


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.415 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

Tgt Ion:264 Resp: 6495

Ion	Ratio	Lower	Upper
264	100		
260	27.6	22.3	33.5
265	60.7	55.4	83.0

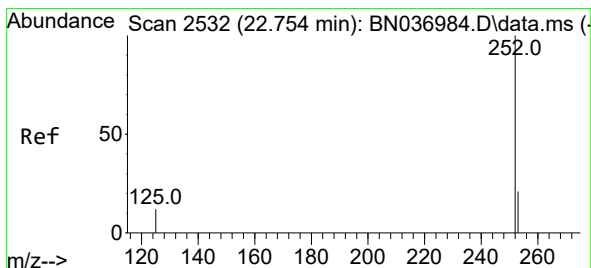
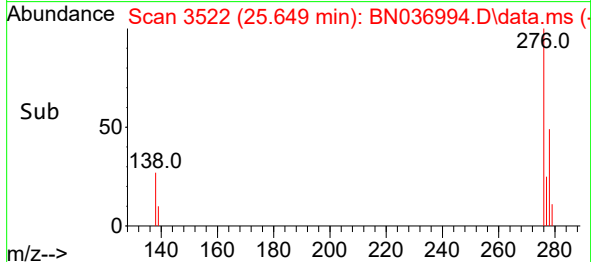
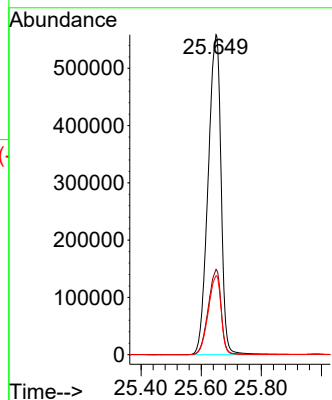
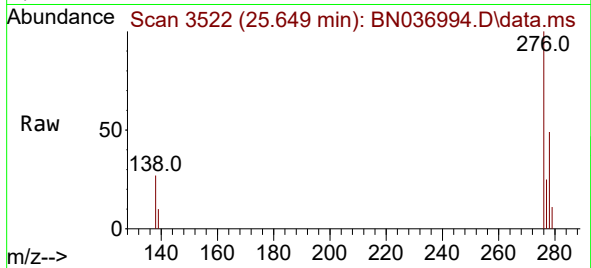




#36
Indeno(1,2,3-cd)pyrene
Concen: 64.864 ng
RT: 25.649 min Scan# 31
Delta R.T. 0.023 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

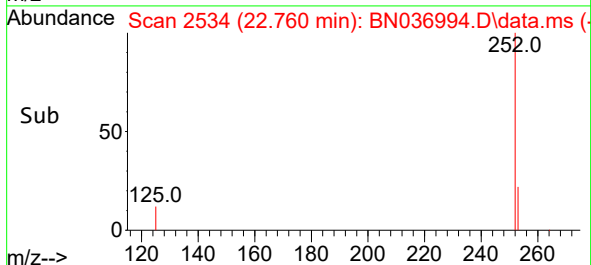
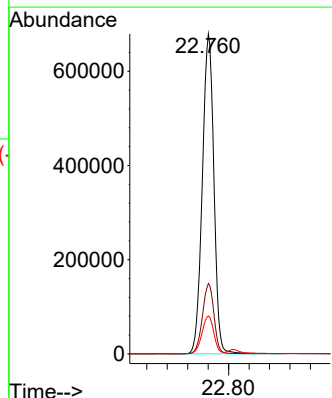
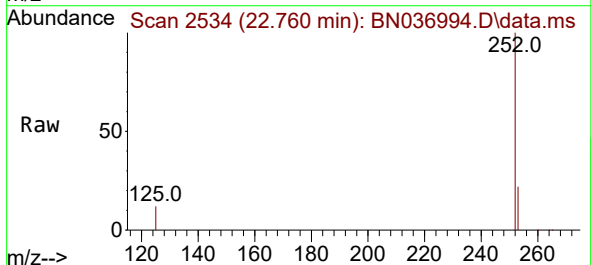
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL

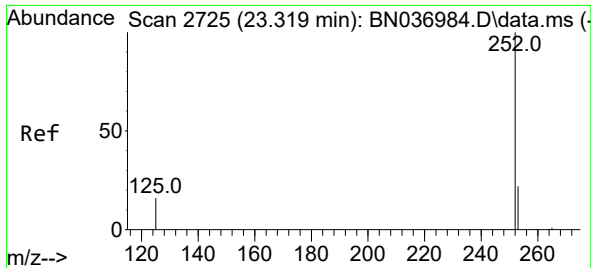
Tgt Ion:276 Resp: 1664420
Ion Ratio Lower Upper
276 100
138 26.6 21.8 32.8
277 24.5 20.2 30.4



#37
Benzo(b)fluoranthene
Concen: 39.348 ng
RT: 22.760 min Scan# 2534
Delta R.T. 0.006 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

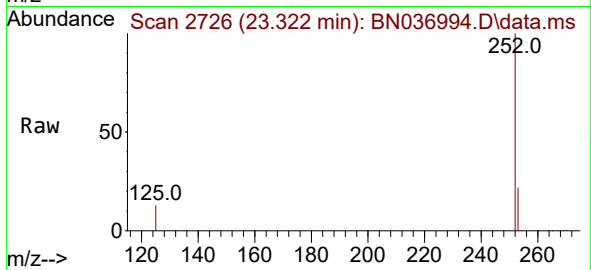
Tgt Ion:252 Resp: 1064857
Ion Ratio Lower Upper
252 100
253 22.0 21.9 32.9
125 11.9 13.8 20.8#



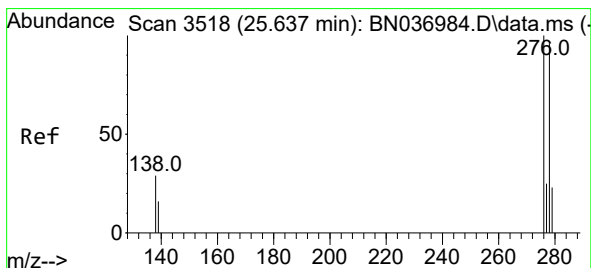
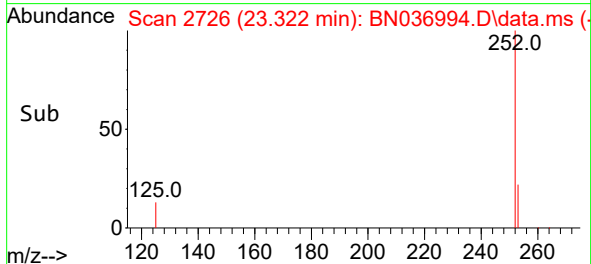
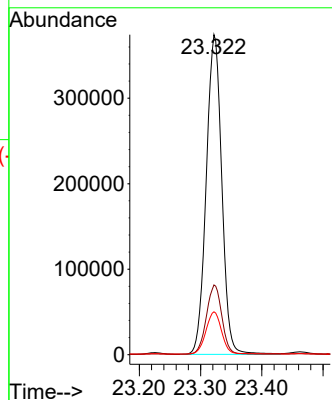


#39
Benzo(a)pyrene
Concen: 29.323 ng
RT: 23.322 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL

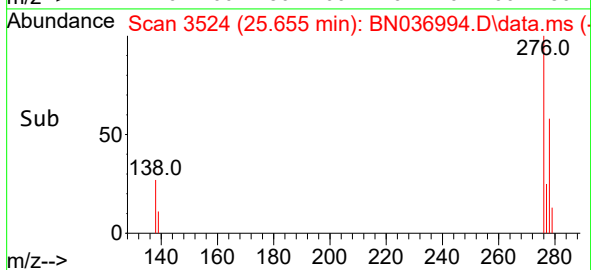
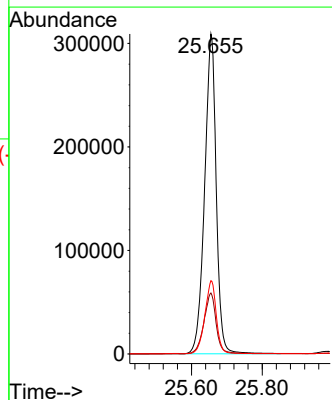
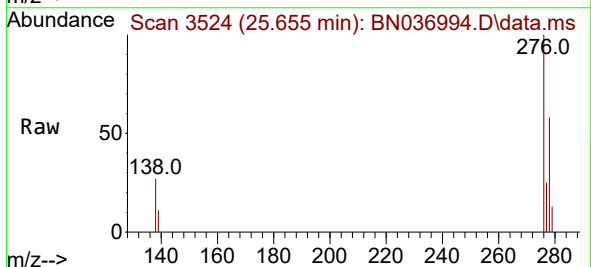


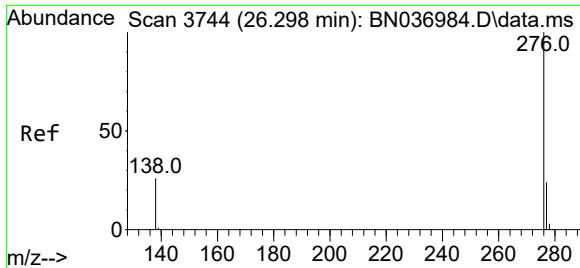
Tgt Ion:252 Resp: 659197
Ion Ratio Lower Upper
252 100
253 21.8 24.8 37.2#
125 13.4 18.6 28.0#



#40
Dibenzo(a,h)anthracene
Concen: 35.256 ng
RT: 25.655 min Scan# 3524
Delta R.T. 0.018 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

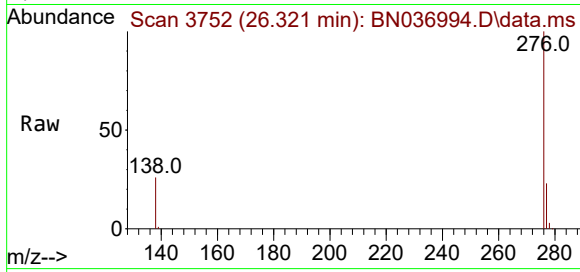
Tgt Ion:278 Resp: 705754
Ion Ratio Lower Upper
278 100
139 19.1 18.1 27.1
279 22.9 25.3 37.9#





#41
Benzo(g,h,i)perylene
Concen: 39.060 ng
RT: 26.321 min Scan# 31
Delta R.T. 0.023 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL



Tgt Ion:276 Resp: 866307
Ion Ratio Lower Upper
276 100
277 23.3 21.2 31.8
138 26.2 22.6 33.8

