

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)

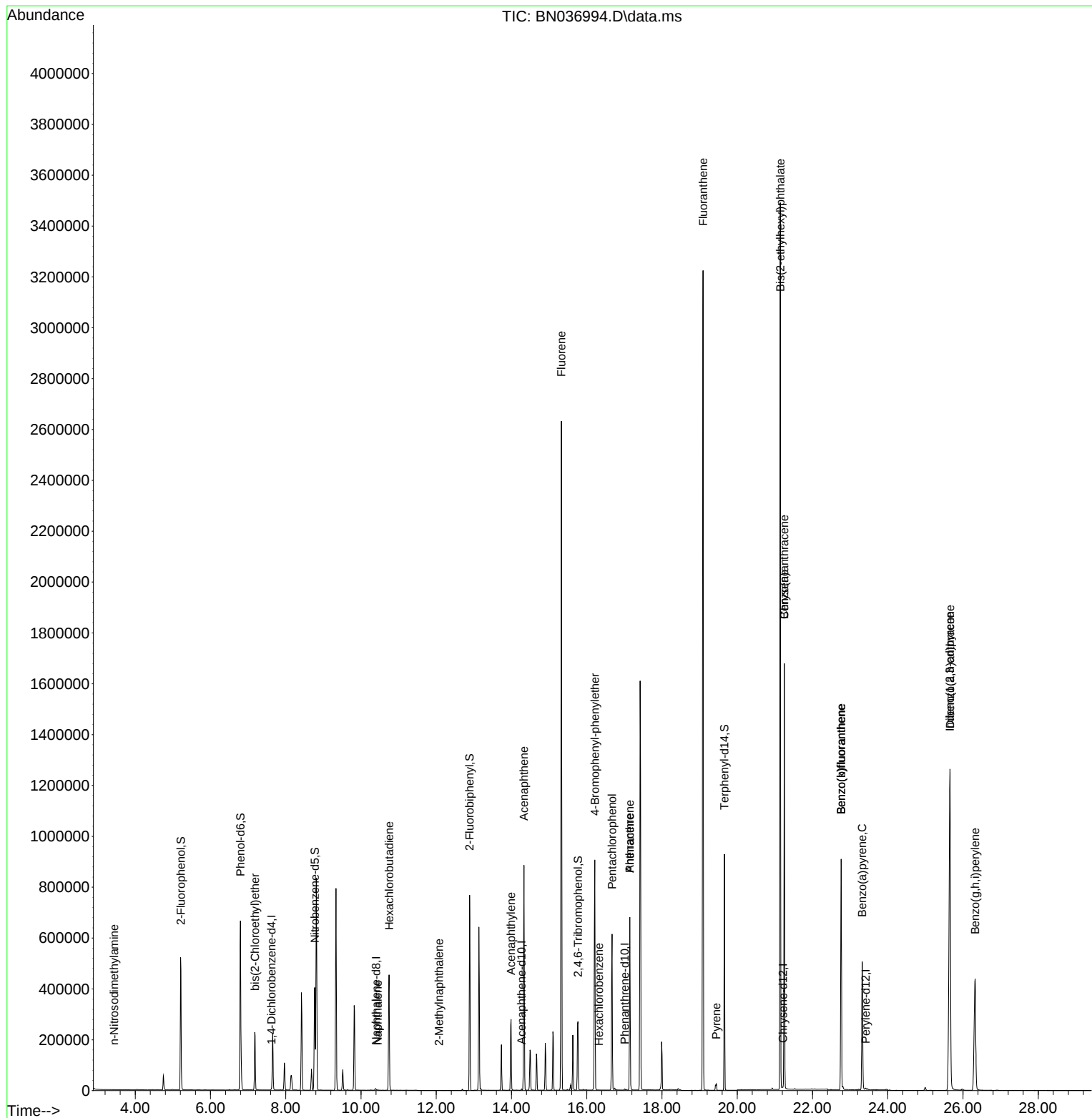
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	1722	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4561	0.400	ng	0.00
13) Acenaphthene-d10	14.267	164	2714	0.400	ng	0.00
19) Phenanthrene-d10	17.009	188	5807	0.400	ng	0.00
29) Chrysene-d12	21.215	240	6224	0.400	ng	# 0.00
35) Perylene-d12	23.415	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	12.097	152	10	0.002	ng	0.10
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	19.087	212	13	0.001	ng	0.04
31) Terphenyl-d14	19.658	244	786500	55.825	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.437	42	106	0.023	ng	# 26
6) bis(2-Chloroethyl)ether	7.185	93	7225	1.447	ng	# 1
9) Naphthalene	10.447	128	2040	0.154	ng	96
10) Hexachlorobutadiene	10.746	225	347652	122.316	ng	# 99
12) 2-Methylnaphthalene	12.072	142	394	0.046	ng	# 89
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
22) Hexachlorobenzene	16.326	284	173	0.043	ng	# 31
24) Pentachlorophenol	16.674	266	246146	110.032	ng	97
25) Phenanthrene	17.145	178	617246	32.376	ng	99
26) Anthracene	17.145	178	618835	35.496	ng	100
28) Fluoranthene	19.091	202	2872240	127.869	ng	98
30) Pyrene	19.444	202	28749	1.018	ng	# 80
32) Benzo(a)anthracene	21.251	228	1281437	54.420	ng	96
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
38) Benzo(k)fluoranthene	22.760	252	1064857	39.584	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

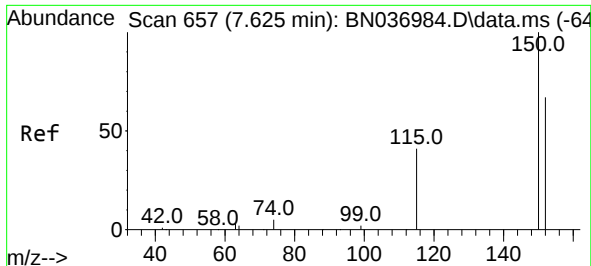
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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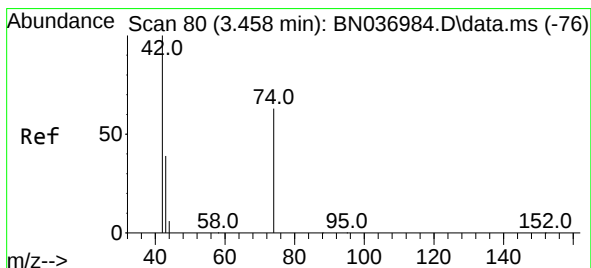
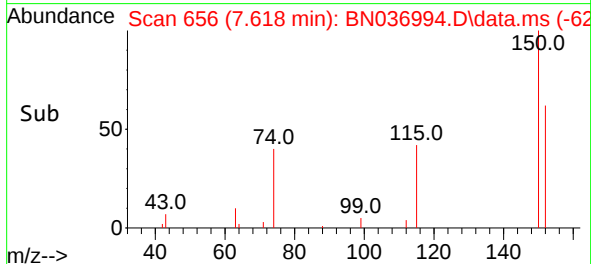
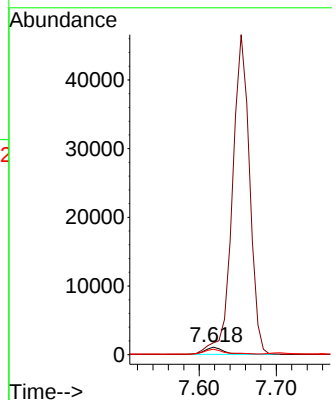
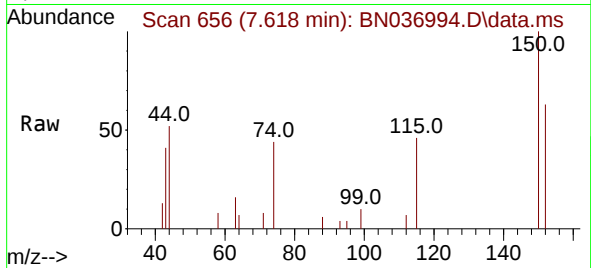




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.618 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

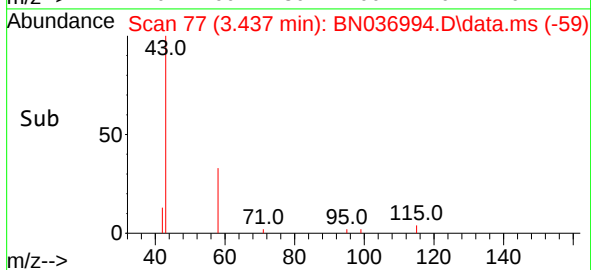
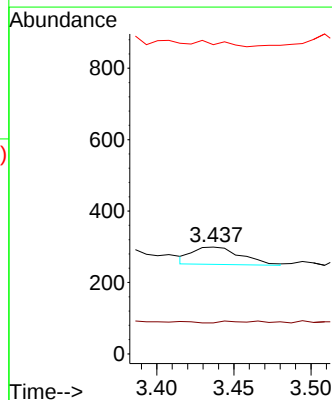
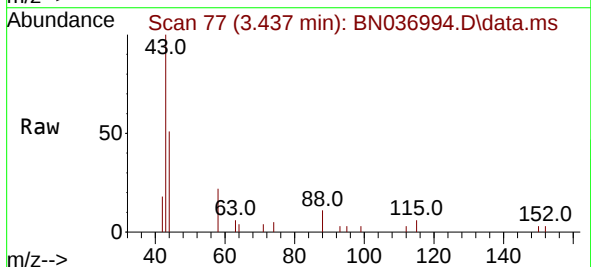
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL

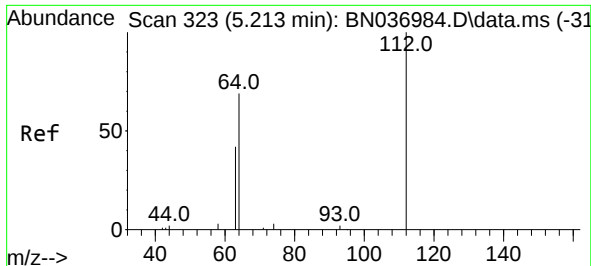
Tgt Ion:152 Resp: 1722
Ion Ratio Lower Upper
152 100
150 157.9 118.2 177.4
115 73.0 52.5 78.7



#3
n-Nitrosodimethylamine
Concen: 0.023 ng
RT: 3.437 min Scan# 77
Delta R.T. -0.022 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

Tgt Ion: 42 Resp: 106
Ion Ratio Lower Upper
42 100
74 4.7 55.2 82.8#
44 0.0 4.7 7.1#





#4

2-Fluorophenol

Concen: 76.855 ng

RT: 5.213 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN036994.D

Acq: 13 May 2025 13:23

Instrument :

BNA_N

ClientSampleId :

HW0425-PT-BNA-SOIL

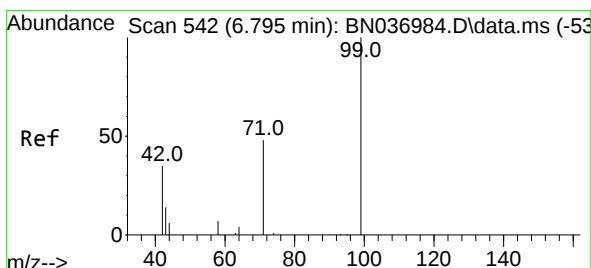
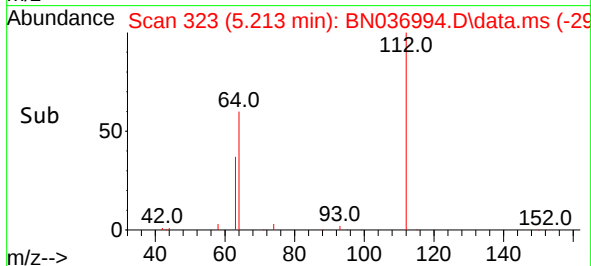
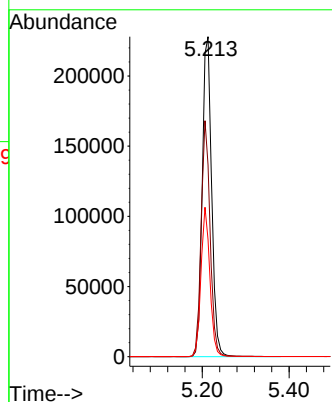
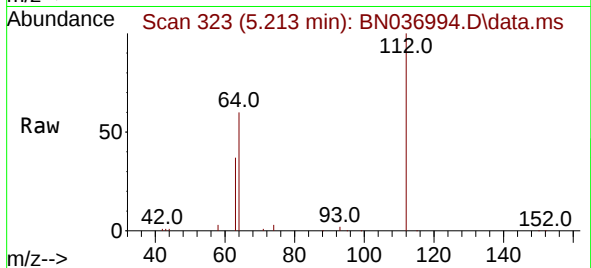
Tgt Ion:112 Resp: 341114

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

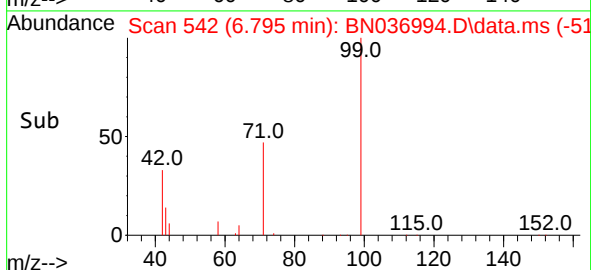
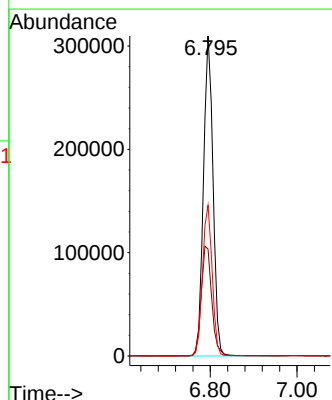
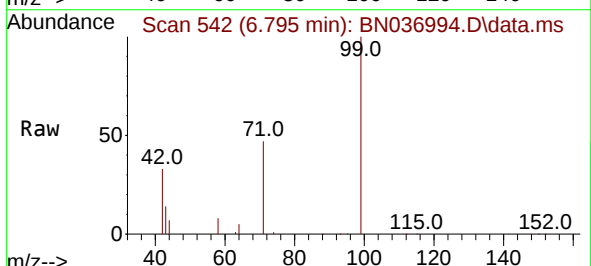
Tgt Ion: 99 Resp: 471892

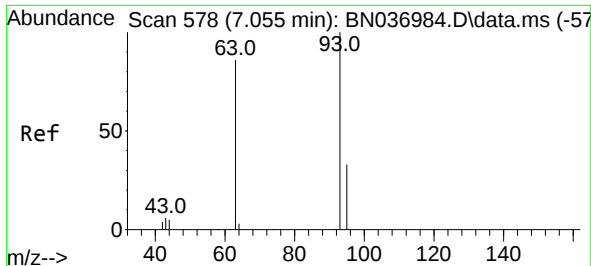
Ion Ratio Lower Upper

99 100

42 37.8 29.0 43.6

71 47.8 36.2 54.2

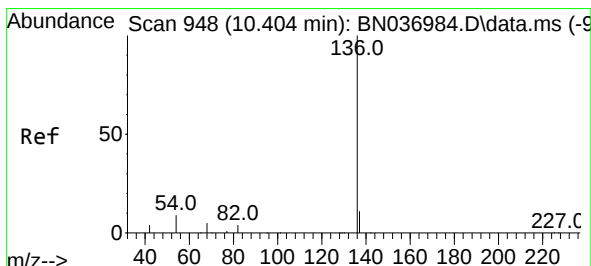
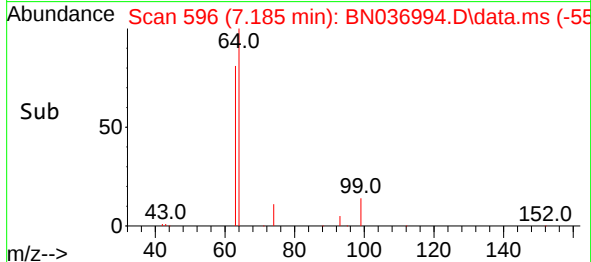
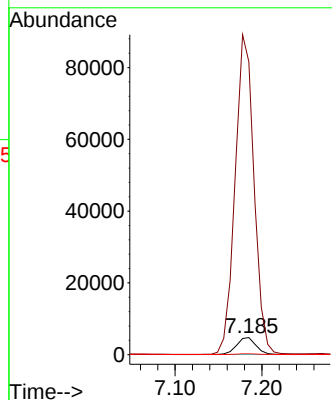
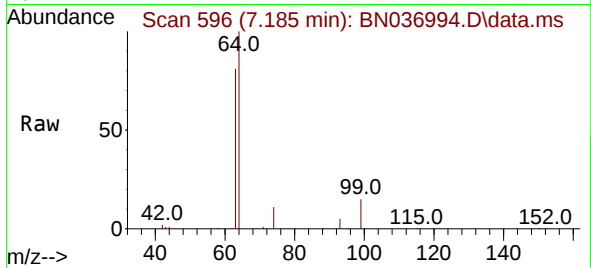




#6
bis(2-Chloroethyl)ether
Concen: 1.447 ng
RT: 7.185 min Scan# 596
Delta R.T. 0.130 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

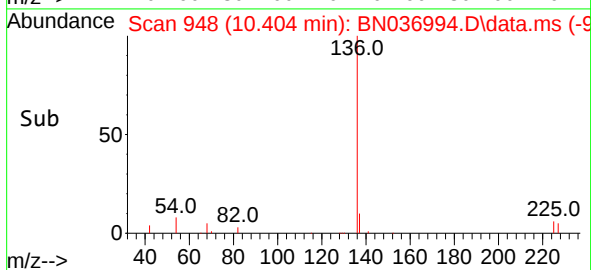
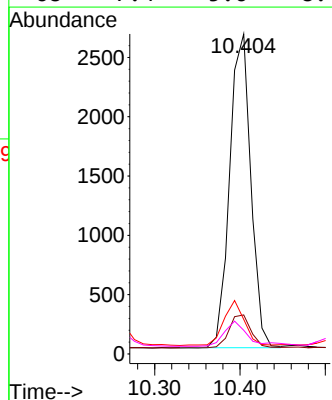
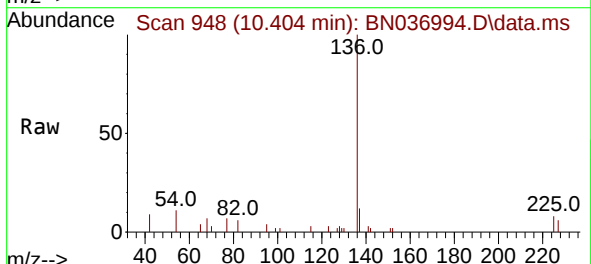
Instrument :
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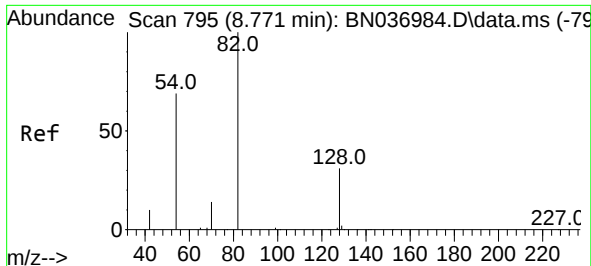
Tgt Ion: 93 Resp: 7225
Ion Ratio Lower Upper
93 100
63 1866.0 69.6 104.4#
95 3.6 25.1 37.7#



#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

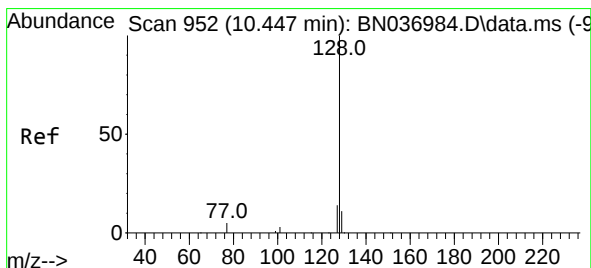
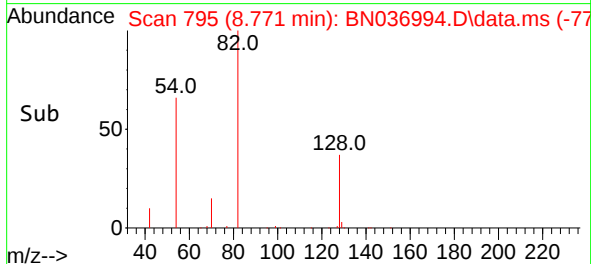
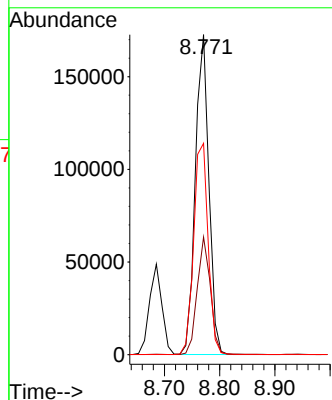
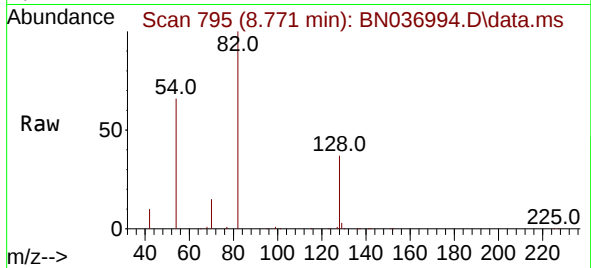




#8
Nitrobenzene-d5
Concen: 60.981 ng
RT: 8.771 min Scan# 795
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

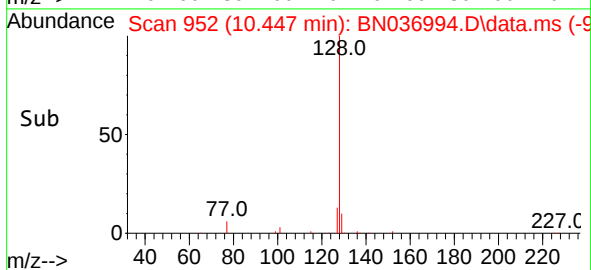
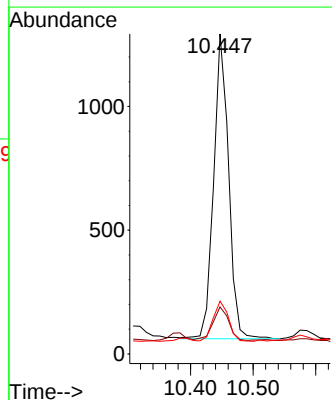
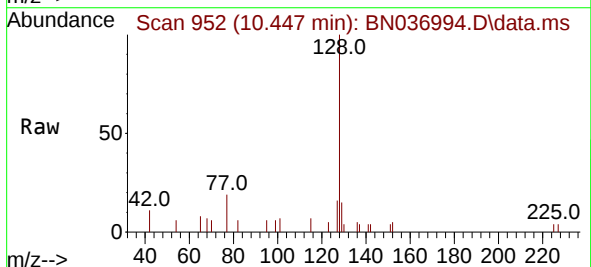
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ClientSampleId :
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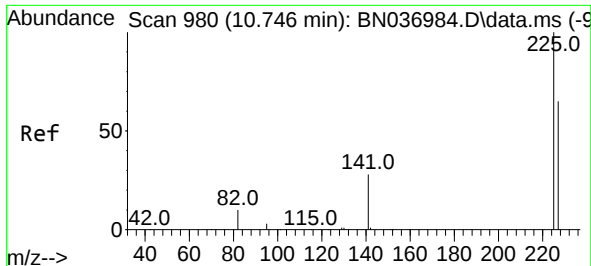
Tgt Ion: 82 Resp: 293159
Ion Ratio Lower Upper
82 100
128 36.7 28.1 42.1
54 66.1 56.4 84.6



#9
Naphthalene
Concen: 0.154 ng
RT: 10.447 min Scan# 952
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

Tgt Ion: 128 Resp: 2040
Ion Ratio Lower Upper
128 100
129 14.7 10.0 15.0
127 16.5 12.1 18.1

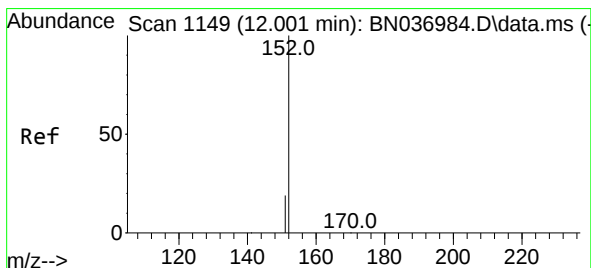
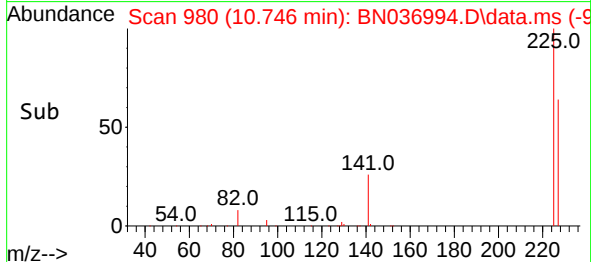
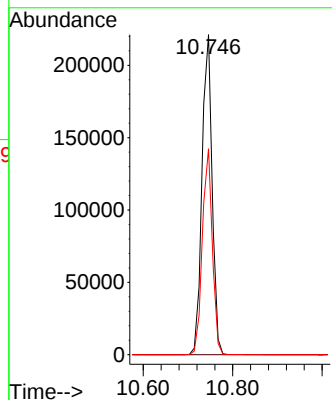
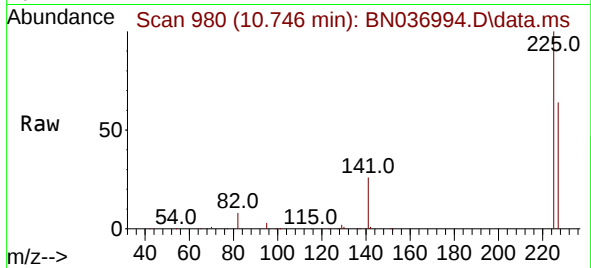




#10
Hexachlorobutadiene
Concen: 122.316 ng
RT: 10.746 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

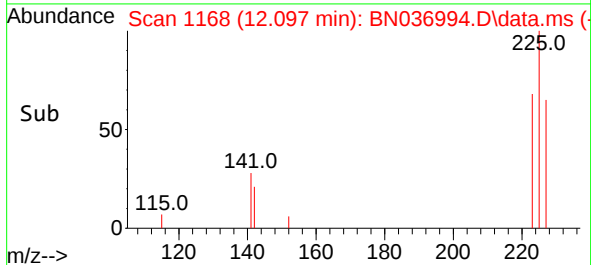
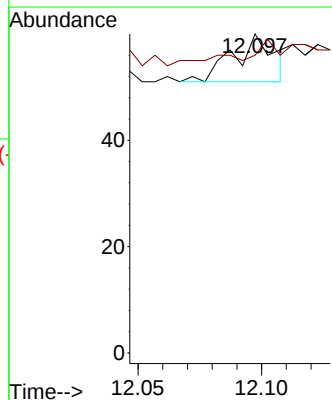
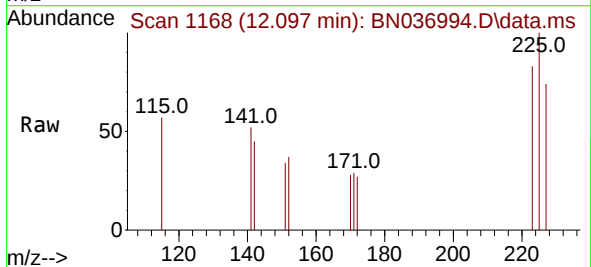
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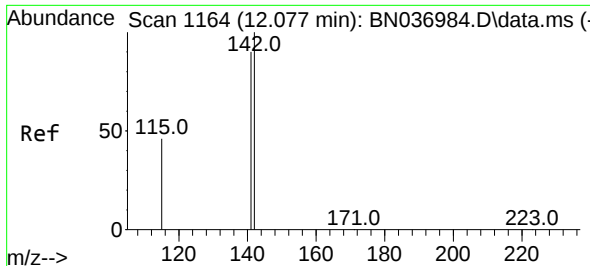
Tgt Ion:225 Resp: 347652
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 51.2 76.8



#11
2-Methylnaphthalene-d10
Concen: 0.002 ng
RT: 12.097 min Scan# 1168
Delta R.T. 0.096 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

Tgt Ion:152 Resp: 10
Ion Ratio Lower Upper
152 100
151 20.0 17.4 26.2

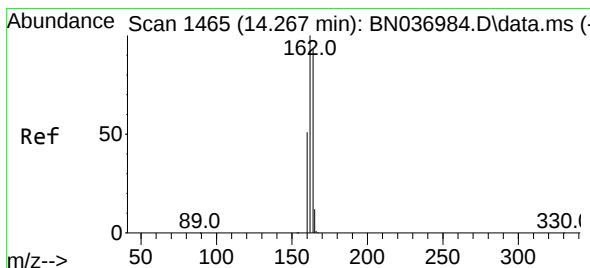
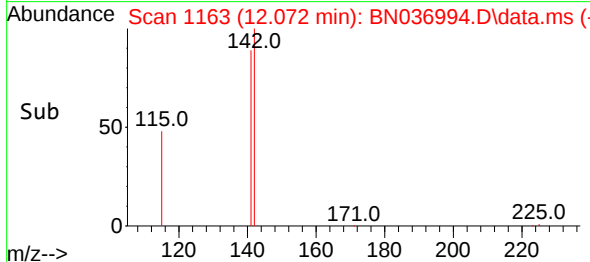
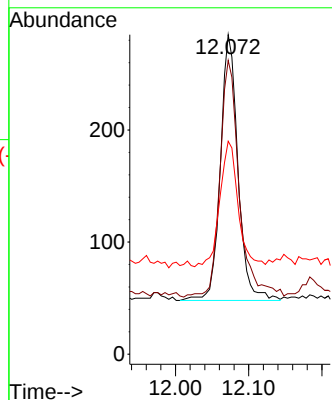
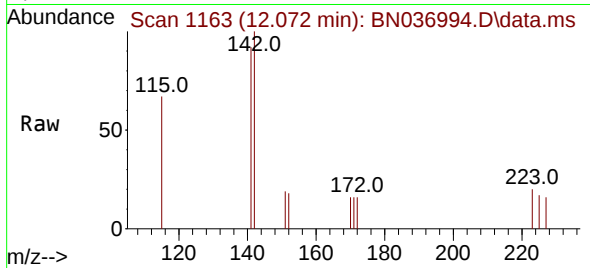




#12
2-Methylnaphthalene
Concen: 0.046 ng
RT: 12.072 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

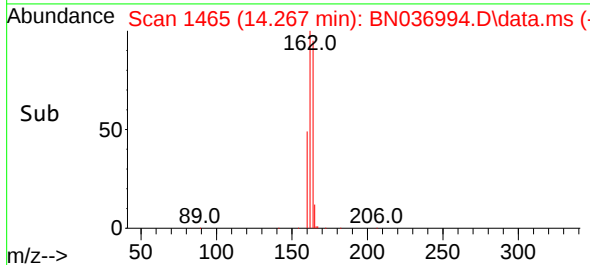
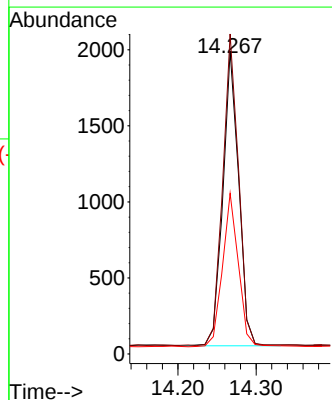
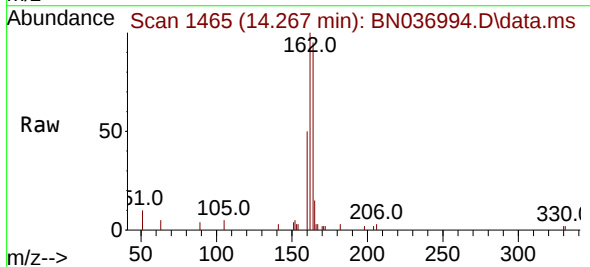
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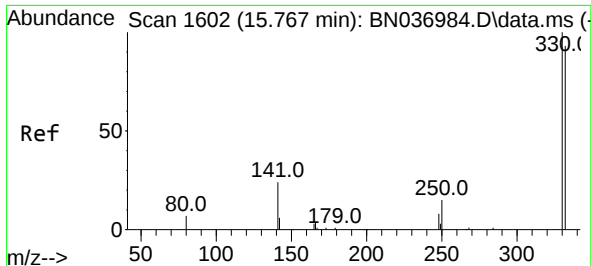
Tgt Ion:142 Resp: 394
Ion Ratio Lower Upper
142 100
141 91.9 71.8 107.8
115 66.7 38.6 58.0#



#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

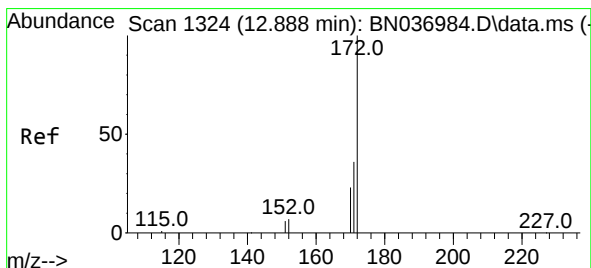
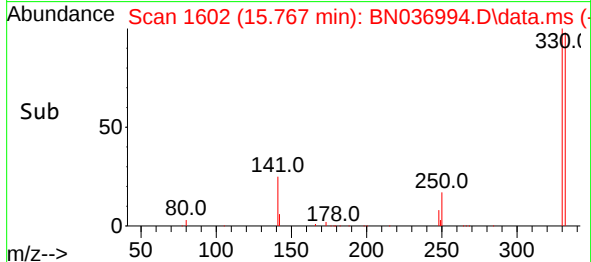
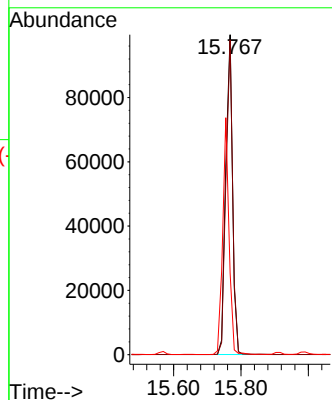
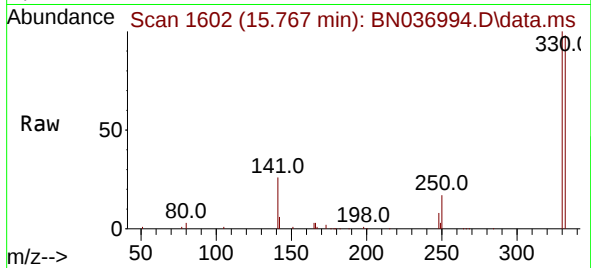




#14
2,4,6-Tribromophenol
Concen: 110.780 ng
RT: 15.767 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

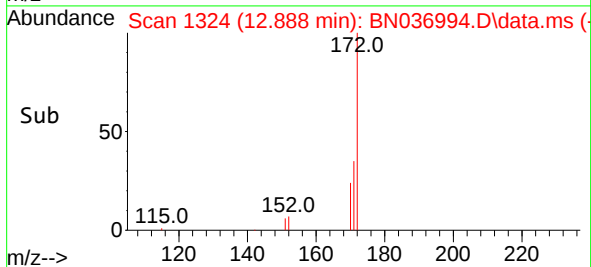
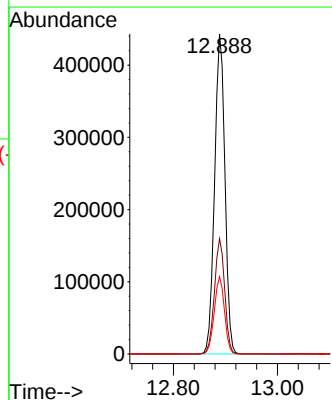
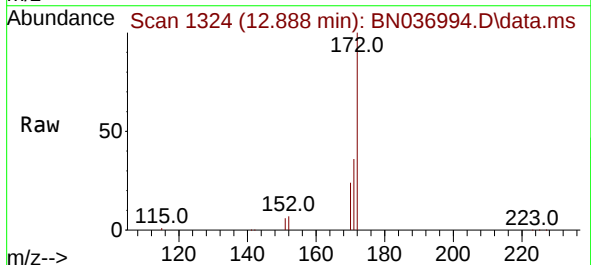
Instrument :
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HW0425-PT-BNA-SOIL

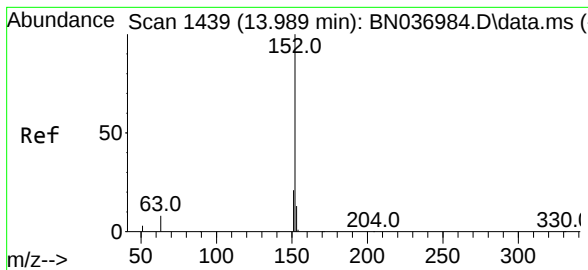
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Ion Ratio Lower Upper
330 100
332 96.5 75.6 113.4
141 69.4 47.4 71.2



#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

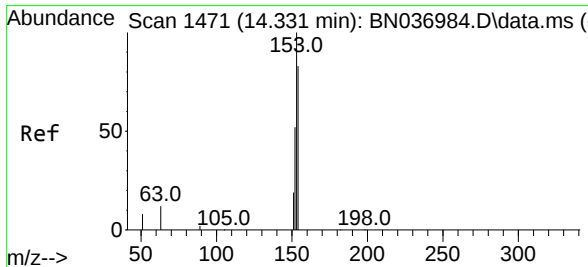
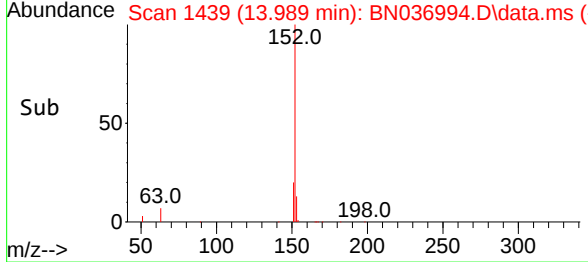
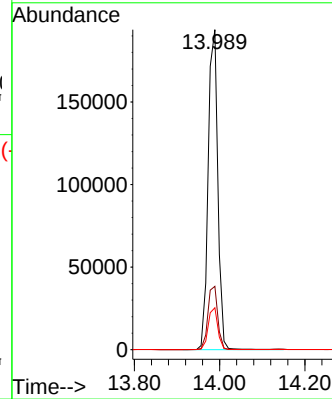
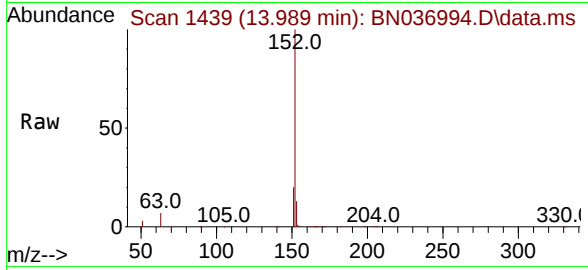




#16
Acenaphthylene
Concen: 22.917 ng
RT: 13.989 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

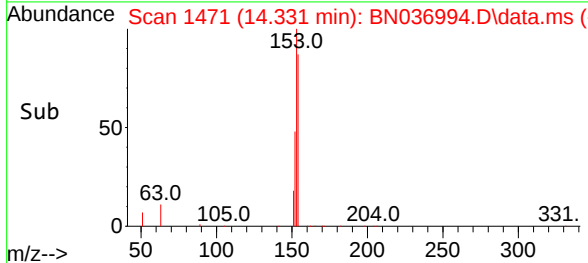
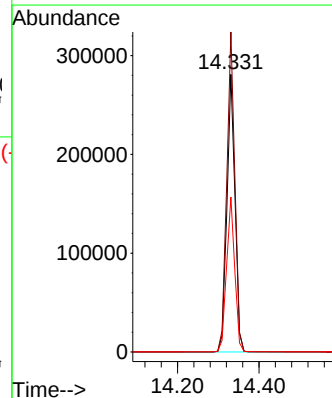
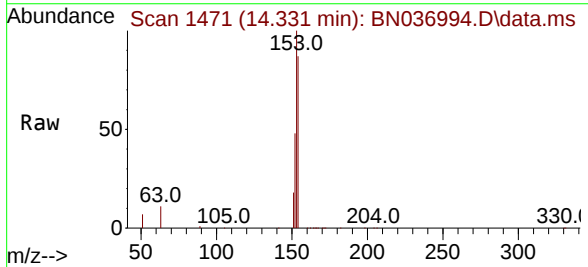
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL

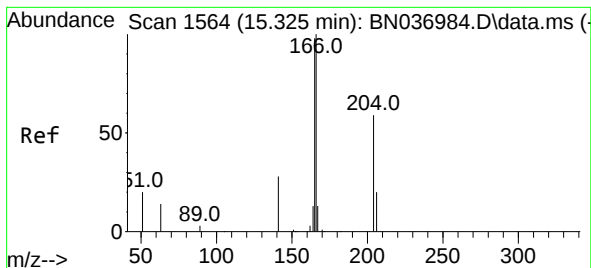
Tgt Ion:152 Resp: 304012
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4
153 13.0 10.9 16.3



#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# 1564

Delta R.T. 0.000 min

Lab File: BN036994.D

Acq: 13 May 2025 13:23

Instrument :

BNA_N

ClientSampleId :

HW0425-PT-BNA-SOIL

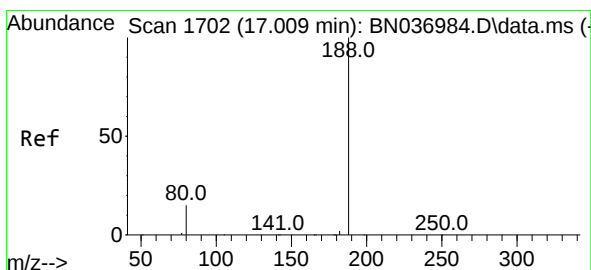
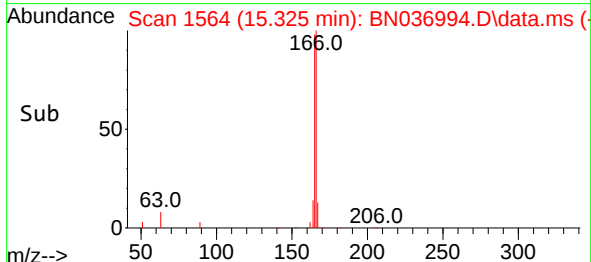
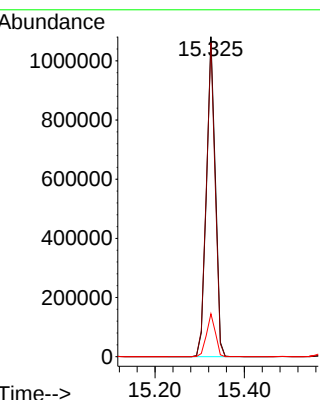
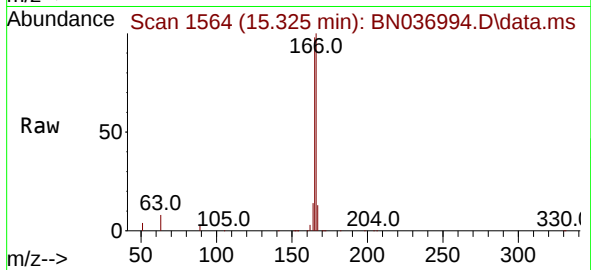
Tgt Ion:166 Resp: 1487131

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

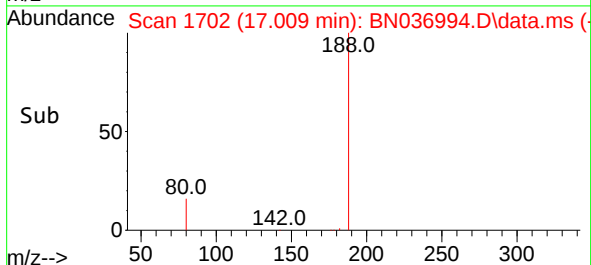
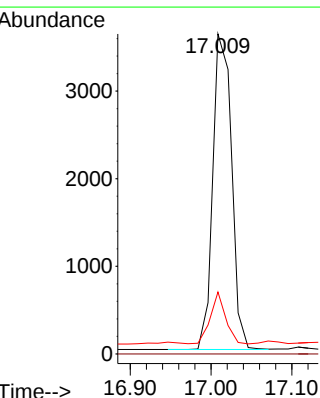
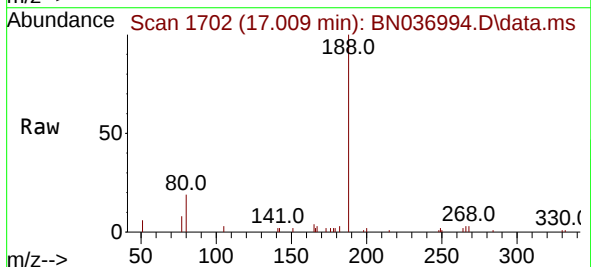
Tgt Ion:188 Resp: 5807

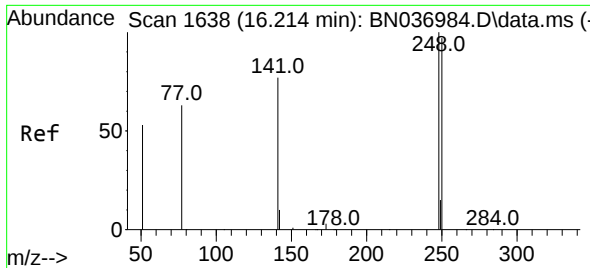
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 19.4 13.4 20.0

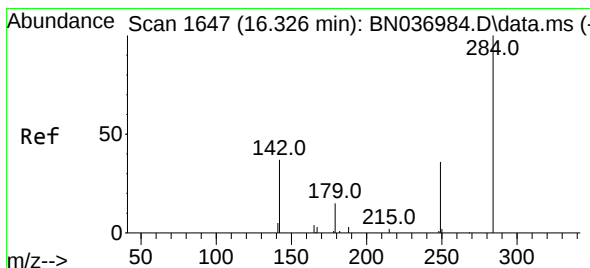
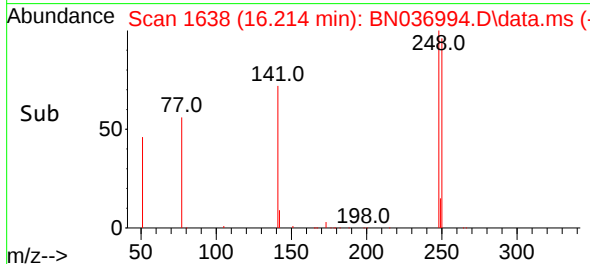
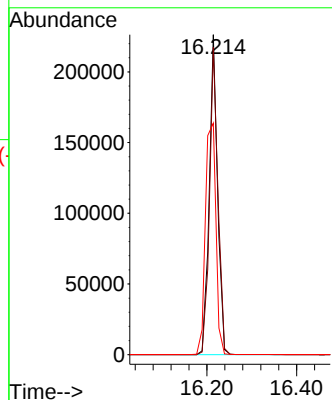
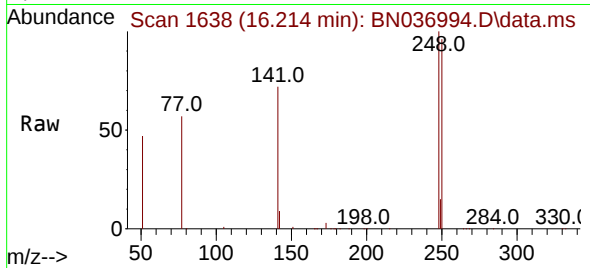




#21
4-Bromophenyl-phenylether
Concen: 76.764 ng
RT: 16.214 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

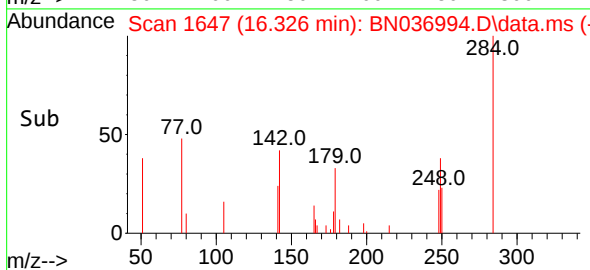
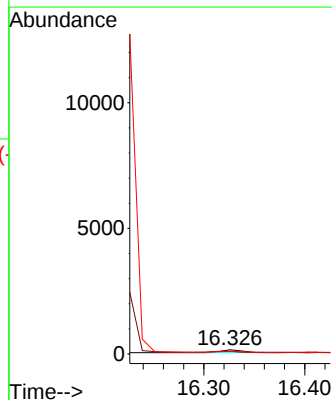
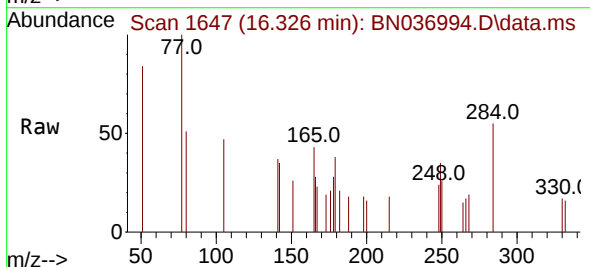
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL

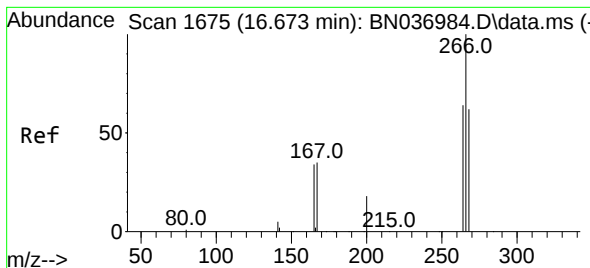
Tgt Ion:248 Resp: 289492
Ion Ratio Lower Upper
248 100
250 96.0 77.8 116.8
141 72.3 63.1 94.7



#22
Hexachlorobenzene
Concen: 0.043 ng
RT: 16.326 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

Tgt Ion:284 Resp: 173
Ion Ratio Lower Upper
284 100
142 0.0 41.4 62.2#
249 0.0 29.1 43.7#





#24

Pentachlorophenol

Concen: 110.032 ng

RT: 16.674 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

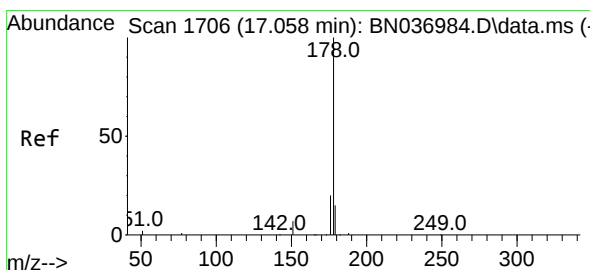
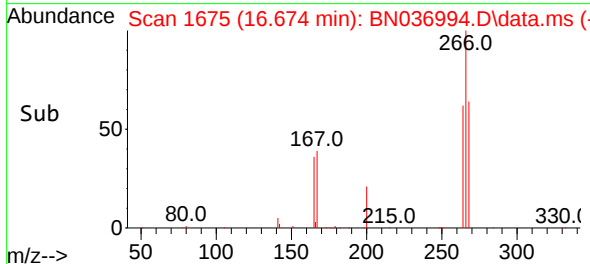
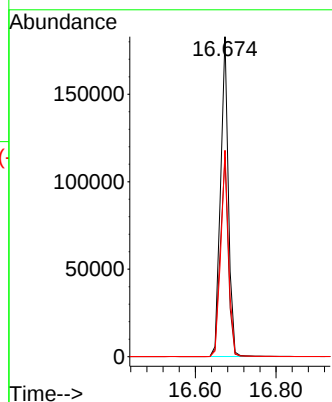
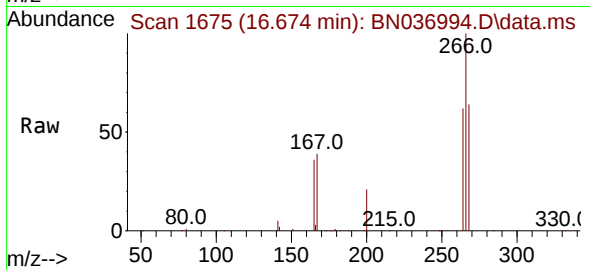
Tgt Ion:266 Resp: 246146

Ion Ratio Lower Upper

266 100

264 63.2 52.8 79.2

268 63.8 50.0 75.0



#25

Phenanthrene

Concen: 32.376 ng

RT: 17.145 min Scan# 1713

Delta R.T. 0.087 min

Lab File: BN036994.D

Acq: 13 May 2025 13:23

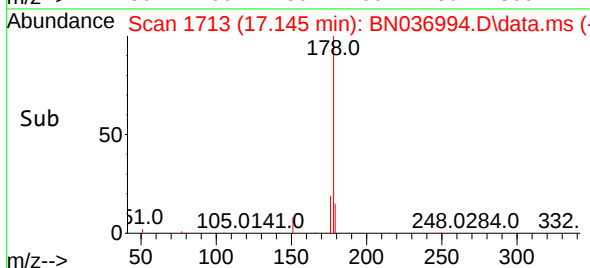
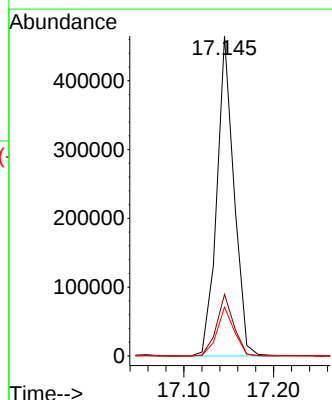
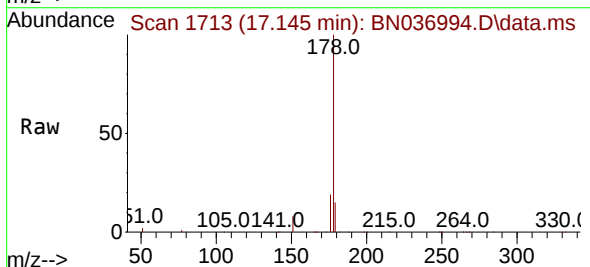
Tgt Ion:178 Resp: 617246

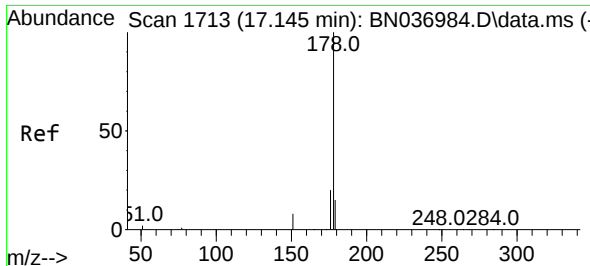
Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

179 15.3 12.3 18.5

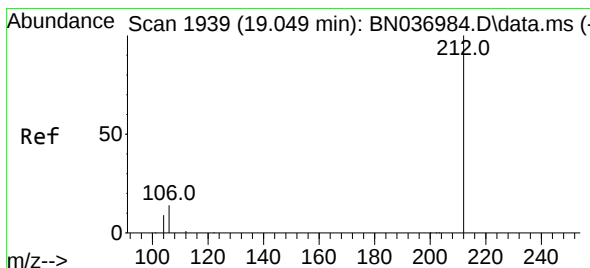
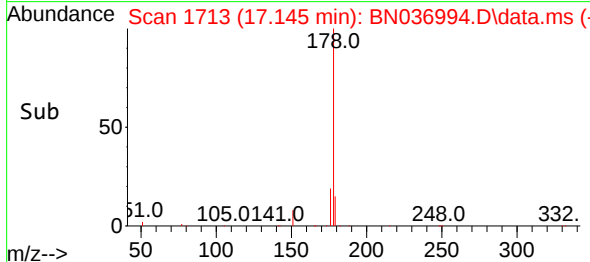
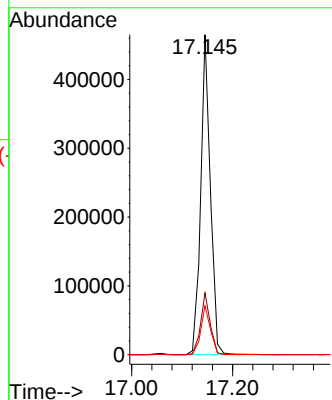
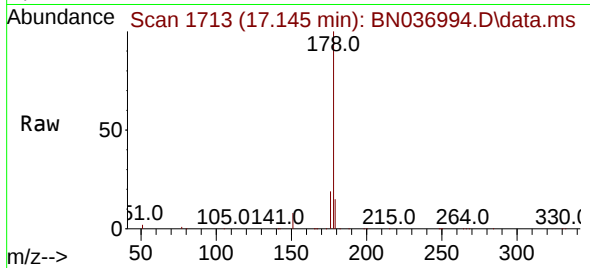




#26
 Anthracene
 Concen: 35.496 ng
 RT: 17.145 min Scan# 1713
 Delta R.T. 0.000 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

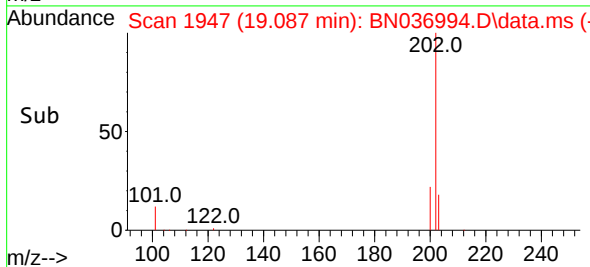
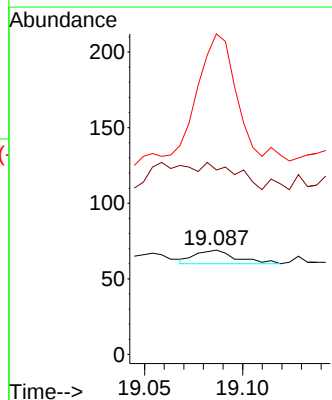
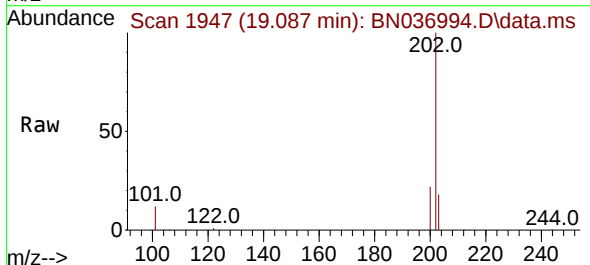
Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-BNA-SOIL

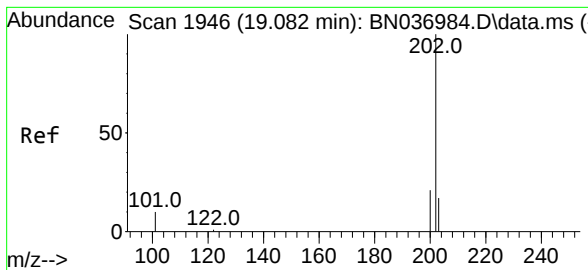
Tgt Ion:178 Resp: 618835
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 15.3 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.001 ng
 RT: 19.087 min Scan# 1947
 Delta R.T. 0.037 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

Tgt Ion:212 Resp: 13
 Ion Ratio Lower Upper
 212 100
 106 0.0 11.3 16.9#
 104 1038.5 7.0 10.4#

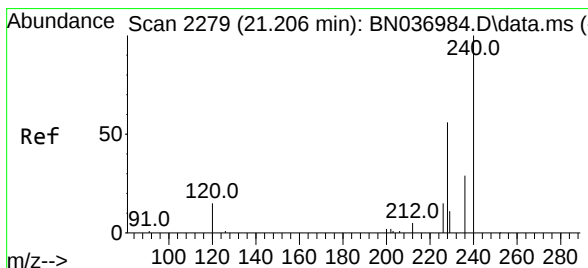
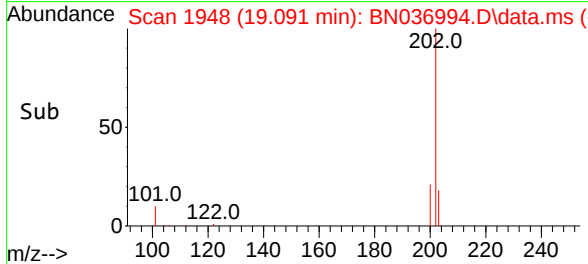
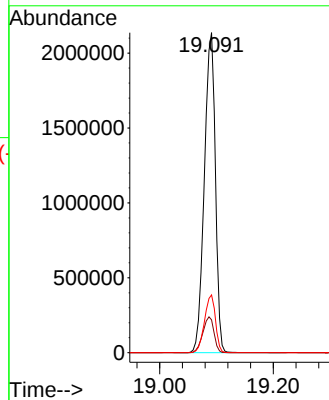
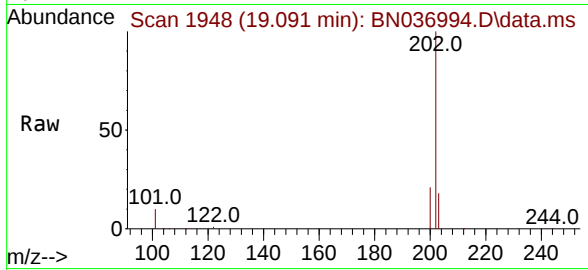




#28
Fluoranthene
Concen: 127.869 ng
RT: 19.091 min Scan# 1946
Delta R.T. 0.009 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

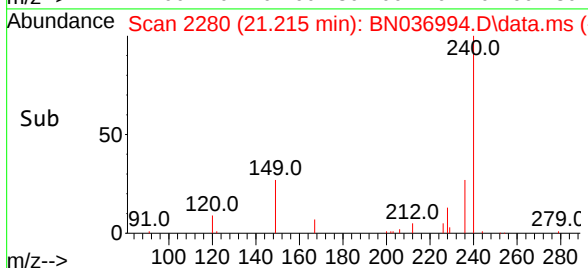
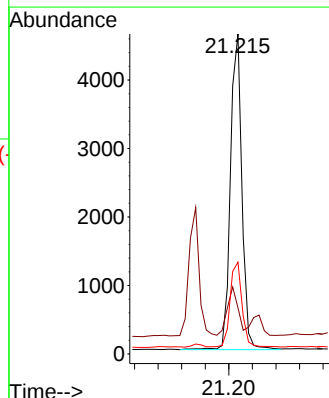
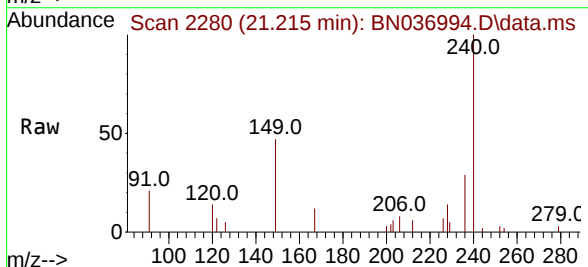
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL

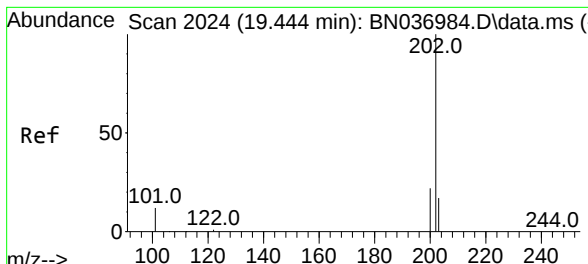
Tgt Ion:202 Resp: 2872240
Ion Ratio Lower Upper
202 100
101 11.3 8.6 12.8
203 17.9 13.5 20.3



#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

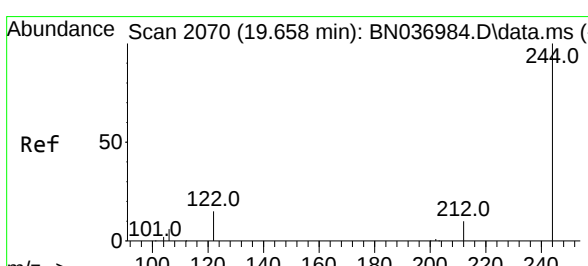
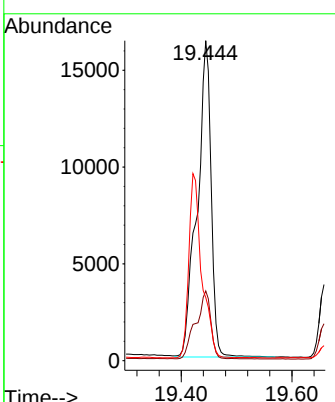
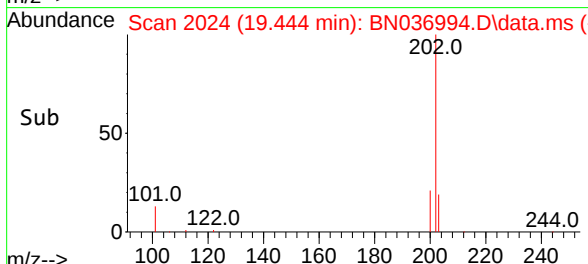
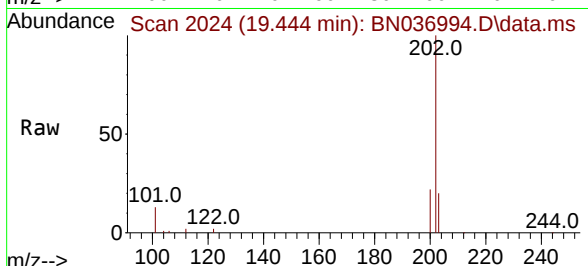




#30
 Pyrene
 Concen: 1.018 ng
 RT: 19.444 min Scan# 2024
 Delta R.T. 0.000 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

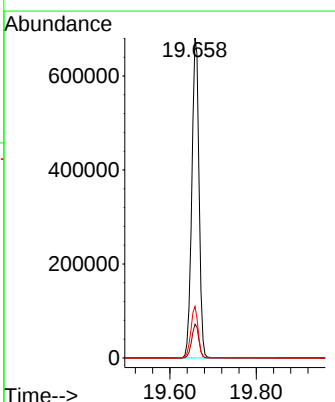
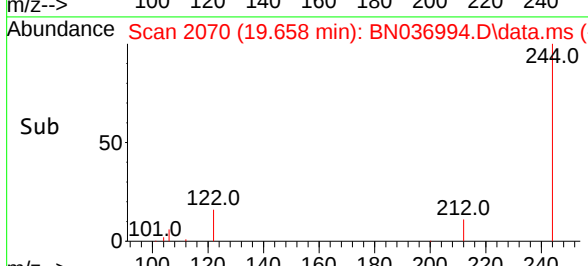
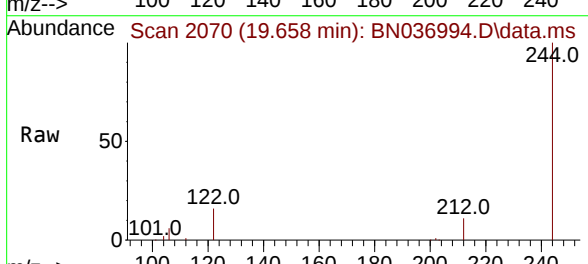
Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-BNA-SOIL

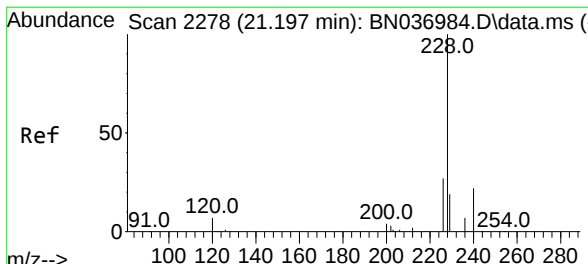
Tgt Ion:	202	Resp:	28749
Ion Ratio	Lower	Upper	
202	100		
200	22.9	17.3	25.9
203	0.0	14.4	21.6



#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

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



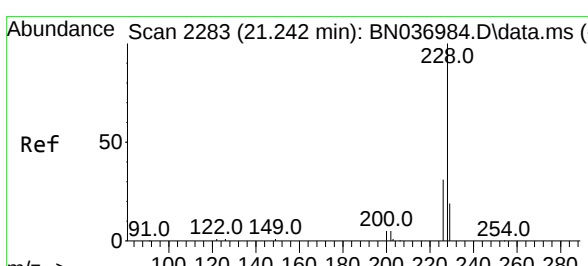
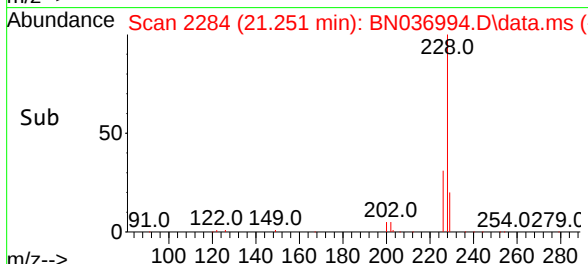
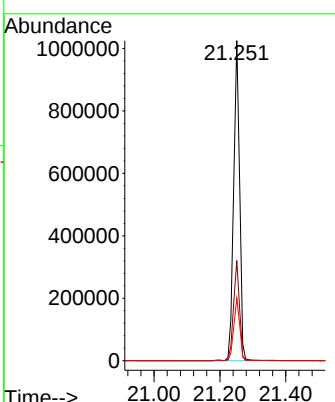
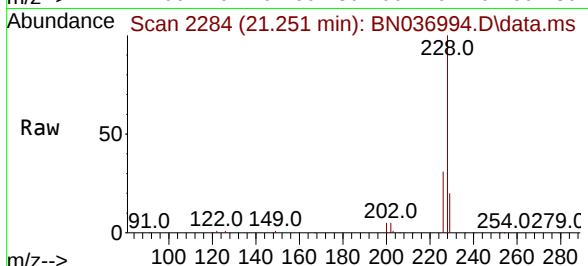


#32
 Benzo(a)anthracene
 Concen: 54.420 ng
 RT: 21.251 min Scan# 21
 Delta R.T. 0.054 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

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

Tgt Ion:228 Resp: 1281437

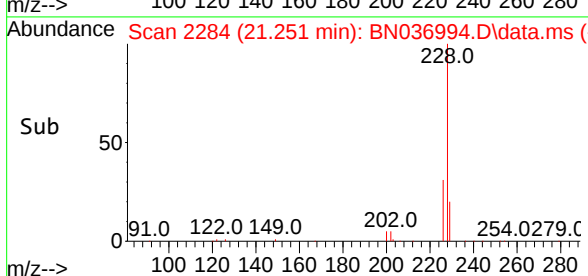
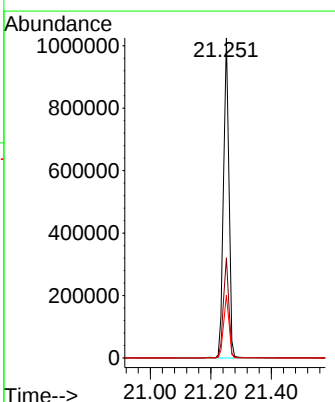
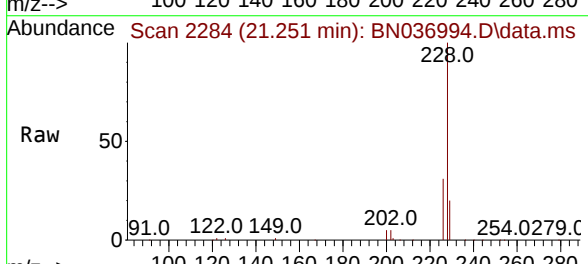
Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.4	33.6
229	19.7	16.0	24.0

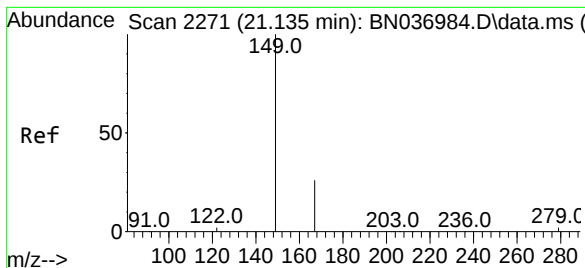


#33
 Chrysene
 Concen: 51.588 ng
 RT: 21.251 min Scan# 2284
 Delta R.T. 0.009 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

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

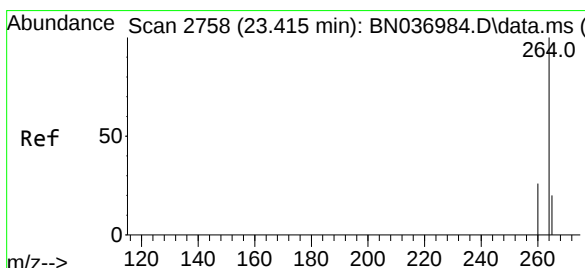
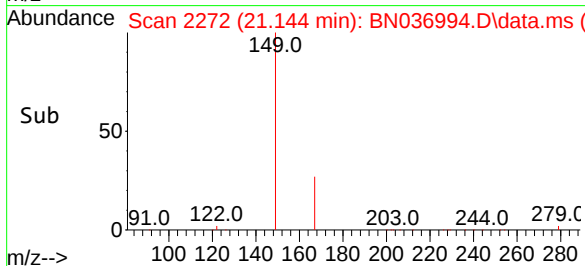
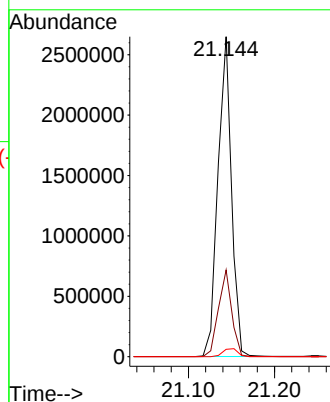
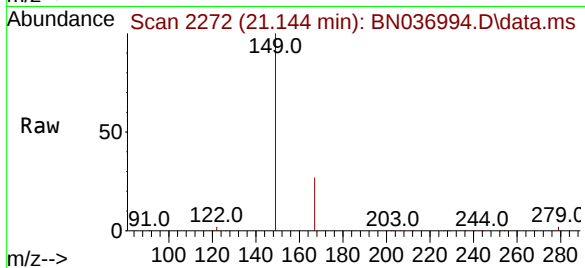




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 199.487 ng
 RT: 21.144 min Scan# 2114
 Delta R.T. 0.009 min
 Lab File: BN036994.D
 Acq: 13 May 2025 13:23

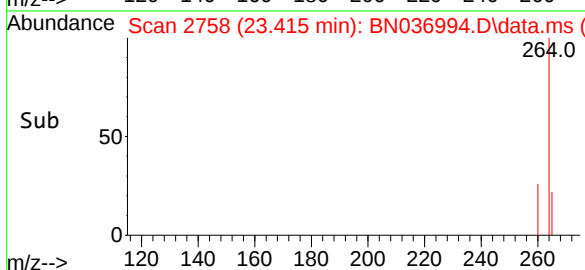
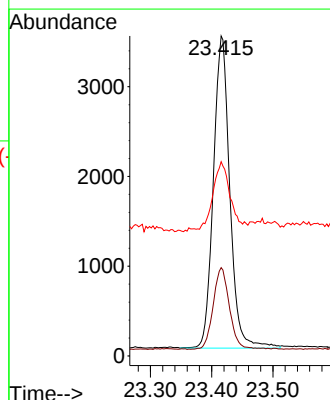
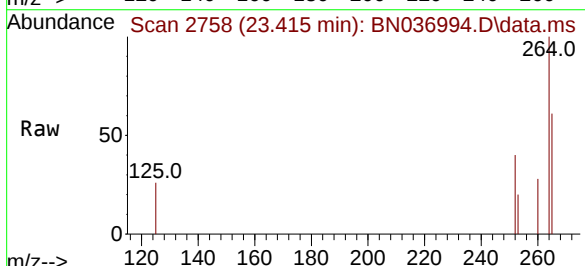
Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-BNA-SOIL

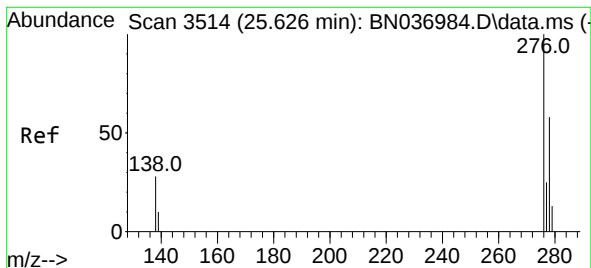
Tgt Ion:149 Resp: 2892320
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.0 31.6
 279 2.8 2.7 4.1



#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# 3514

Delta R.T. 0.023 min

Lab File: BN036994.D

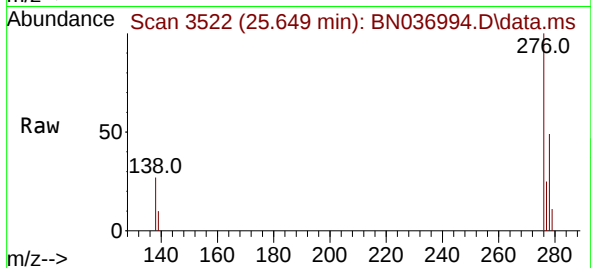
Acq: 13 May 2025 13:23

Instrument :

BNA_N

ClientSampleId :

HW0425-PT-BNA-SOIL



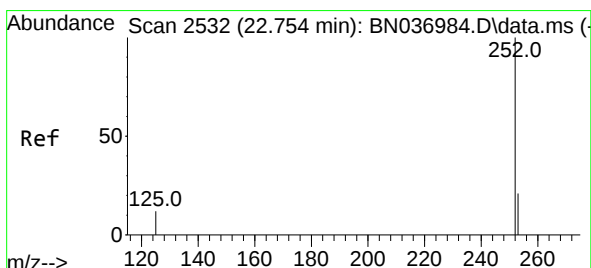
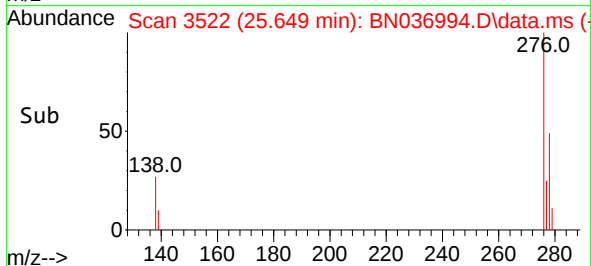
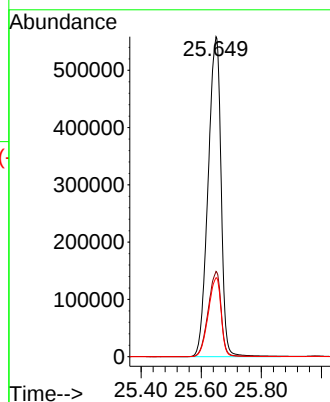
Tgt Ion:276 Resp: 1664420

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

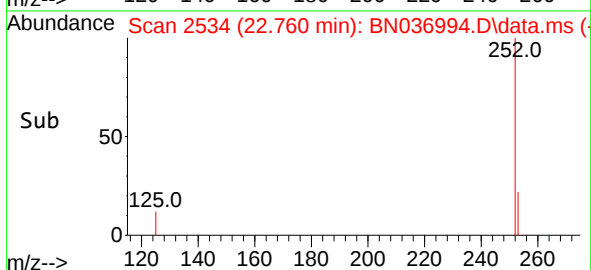
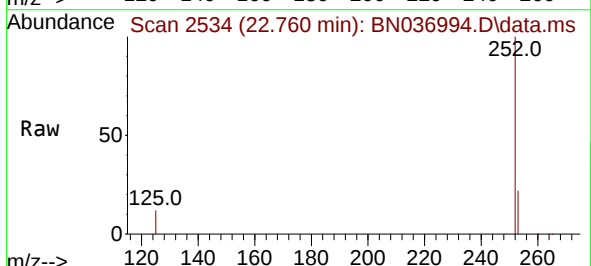
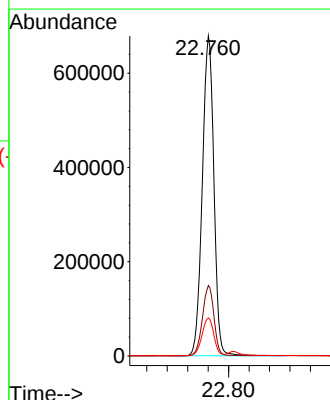
Tgt Ion:252 Resp: 1064857

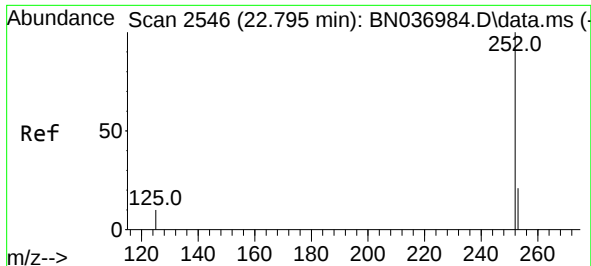
Ion Ratio Lower Upper

252 100

253 22.0 21.9 32.9

125 11.9 13.8 20.8#

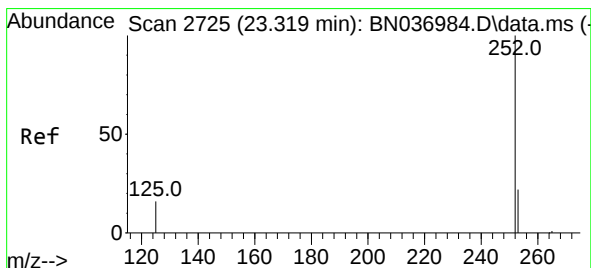
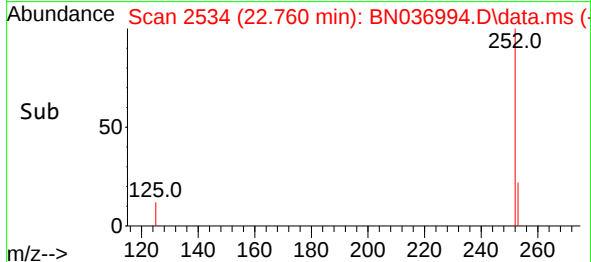
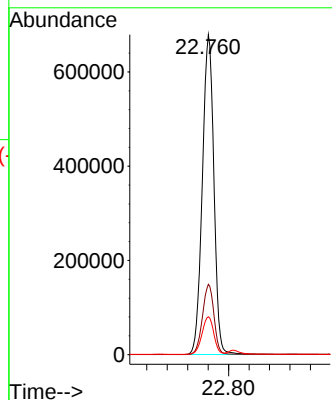
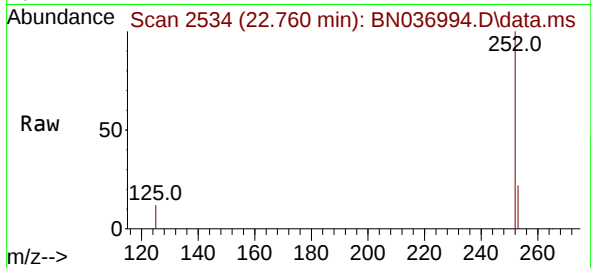




#38
Benzo(k)fluoranthene
Concen: 39.584 ng
RT: 22.760 min Scan# 21
Delta R.T. -0.035 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

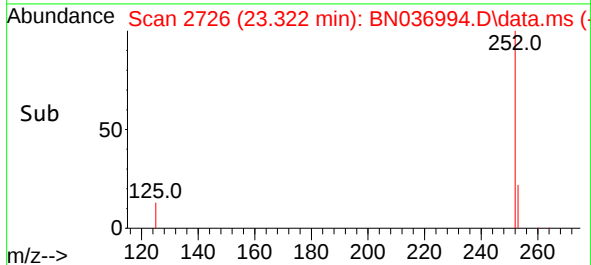
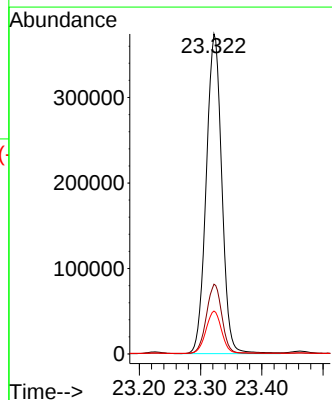
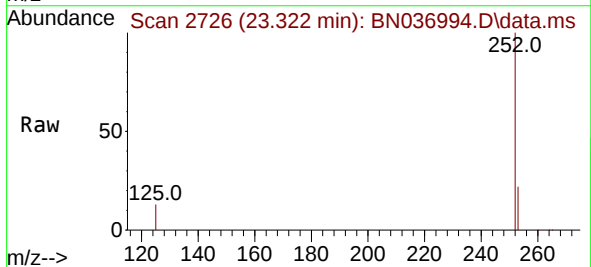
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOIL

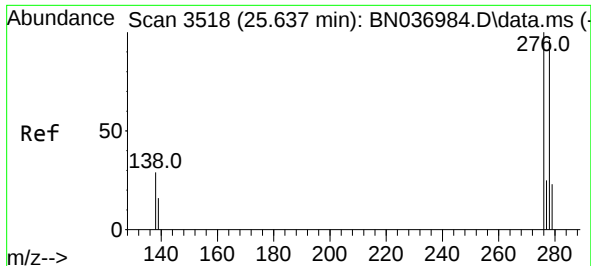
Tgt Ion:252 Resp: 1064857
Ion Ratio Lower Upper
252 100
253 22.0 22.0 33.0
125 11.9 13.4 20.2#



#39
Benzo(a)pyrene
Concen: 29.323 ng
RT: 23.322 min Scan# 2726
Delta R.T. 0.003 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

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#

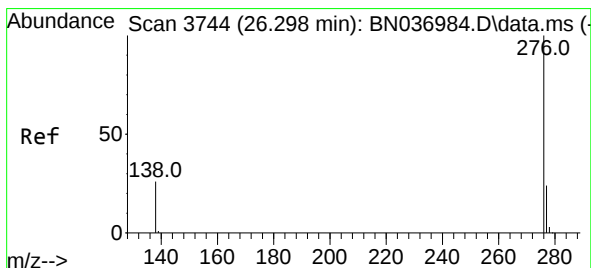
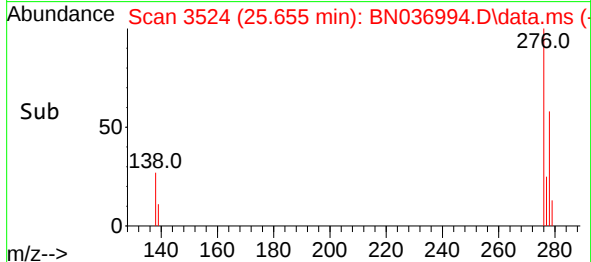
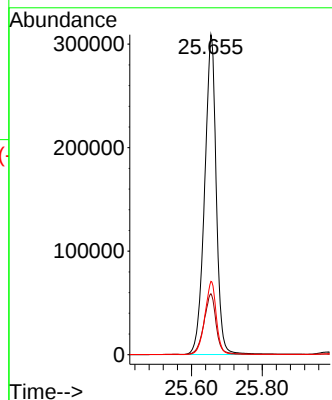
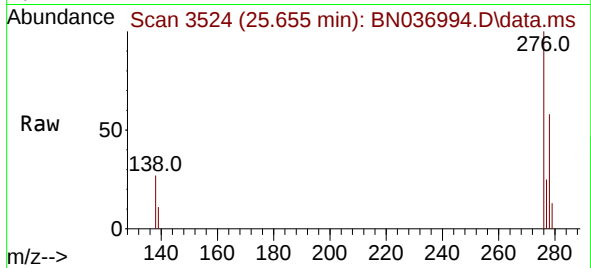




#40
Dibenzo(a,h)anthracene
Concen: 35.256 ng
RT: 25.655 min Scan# 31
Delta R.T. 0.018 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

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

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# 3752
Delta R.T. 0.023 min
Lab File: BN036994.D
Acq: 13 May 2025 13:23

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

