

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051325\
 Data File : BN036996.D
 Acq On : 13 May 2025 15:14
 Operator : RC/JU
 Sample : Q1872-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 13 15:41:45 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)

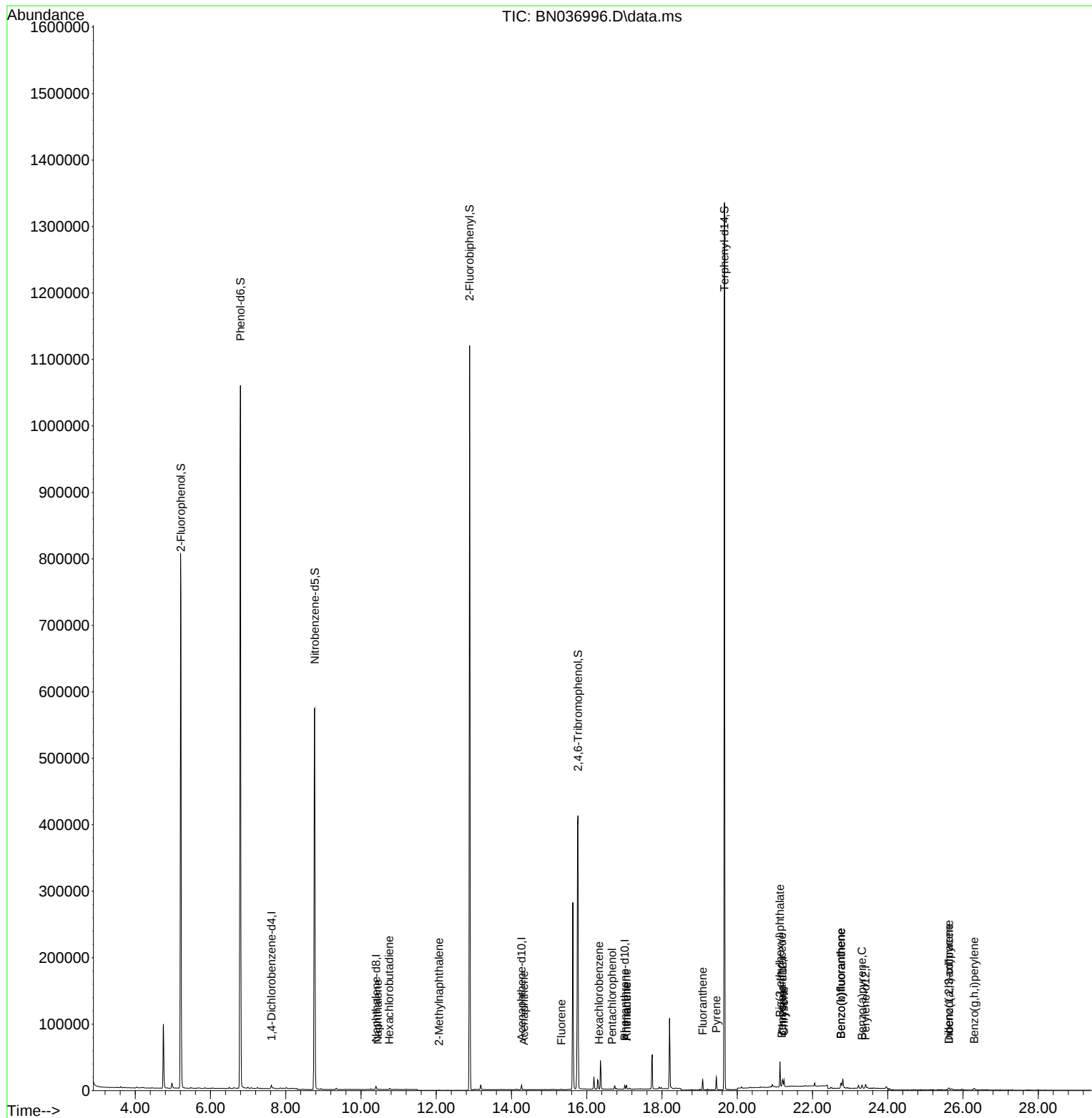
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	2166	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	6095	0.400	ng	0.00
13) Acenaphthene-d10	14.267	164	3427	0.400	ng	0.00
19) Phenanthrene-d10	17.009	188	7343	0.400	ng	0.00
29) Chrysene-d12	21.206	240	7384	0.400	ng	0.00
35) Perylene-d12	23.412	264	7397	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	531511	95.205	ng	0.00
5) Phenol-d6	6.795	99	763462	112.775	ng	0.00
8) Nitrobenzene-d5	8.771	82	439598	68.428	ng	0.00
11) 2-Methylnaphthalene-d10	12.021	152	2	0.000	ng	0.02
14) 2,4,6-Tribromophenol	15.767	330	212439	135.186	ng	0.00
15) 2-Fluorobiphenyl	12.888	172	914768	57.164	ng	0.00
27) Fluoranthene-d10	19.054	212	7	0.000	ng	0.00
31) Terphenyl-d14	19.658	244	1173103	70.184	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.447	128	614	0.035	ng	# 76
10) Hexachlorobutadiene	10.746	225	83	0.022	ng	# 95
12) 2-Methylnaphthalene	12.072	142	312	0.027	ng	# 84
17) Acenaphthene	14.331	154	228	0.021	ng	94
18) Fluorene	15.325	166	540	0.037	ng	92
22) Hexachlorobenzene	16.326	284	128	0.025	ng	# 42
24) Pentachlorophenol	16.673	266	104	0.037	ng	# 63
25) Phenanthrene	17.058	178	6069	0.252	ng	100
26) Anthracene	17.058	178	6069	0.275	ng	99
28) Fluoranthene	19.082	202	13461	0.474	ng	98
30) Pyrene	19.444	202	16307	0.487	ng	97
32) Benzo(a)anthracene	21.189	228	5849	0.209	ng	93
33) Chrysene	21.242	228	8232	0.279	ng	98
34) Bis(2-ethylhexyl)phtha...	21.135	149	31165	1.812	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.623	276	4971	0.170	ng	96
37) Benzo(b)fluoranthene	22.754	252	10902	0.354	ng	# 71
38) Benzo(k)fluoranthene	22.754	252	10902	0.356	ng	# 71
39) Benzo(a)pyrene	23.316	252	6345	0.248	ng	# 77
40) Dibenzo(a,h)anthracene	25.626	278	1280	0.056	ng	# 24
41) Benzo(g,h,i)perylene	26.295	276	5316	0.210	ng	# 90

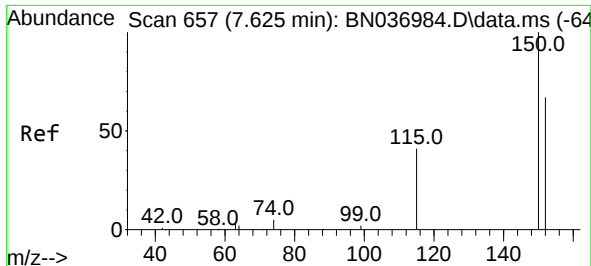
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051325\
Data File : BN036996.D
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HW0425-PT-TRIAZINE-SOIL

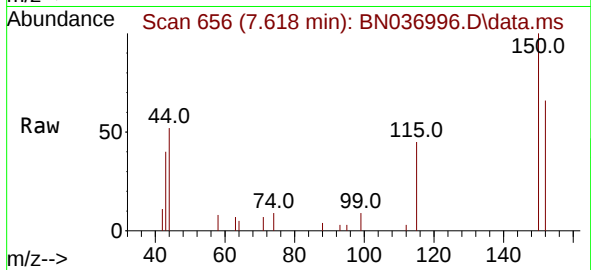
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 12 18:05:36 2025
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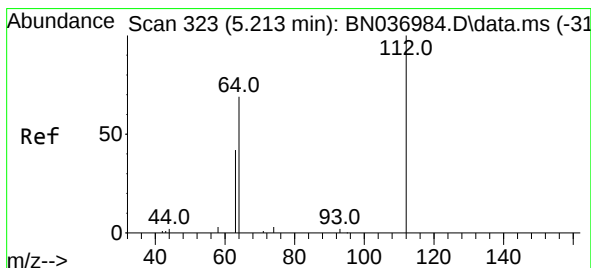
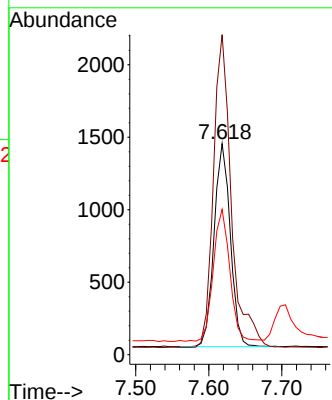
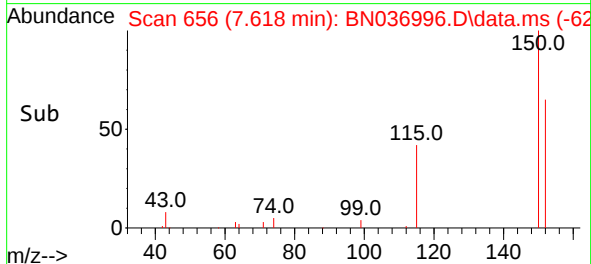


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.618 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

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

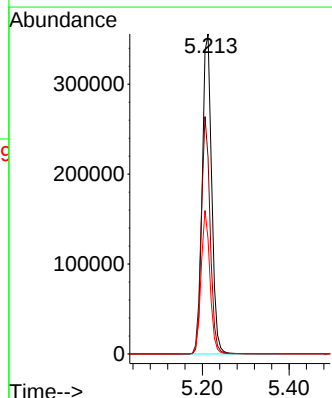
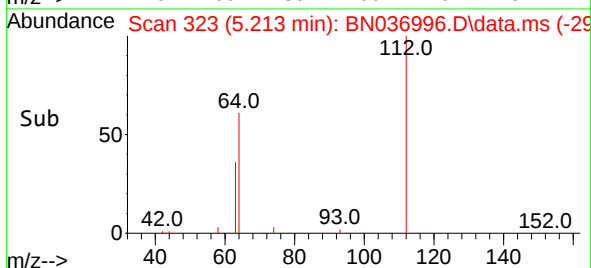
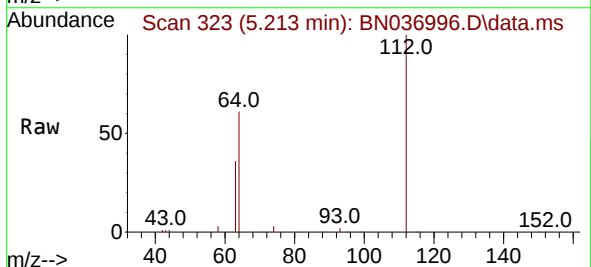


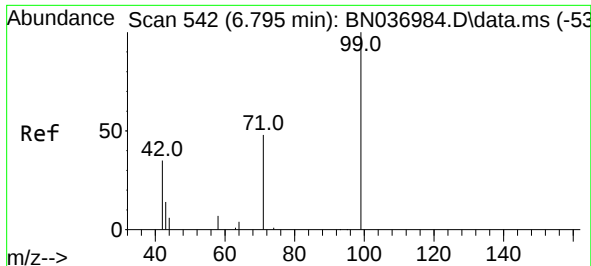
Tgt Ion:152 Resp: 2166
Ion Ratio Lower Upper
152 100
150 151.6 118.2 177.4
115 68.9 52.5 78.7



#4
2-Fluorophenol
Concen: 95.205 ng
RT: 5.213 min Scan# 323
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion:112 Resp: 531511
Ion Ratio Lower Upper
112 100
64 71.0 56.2 84.2
63 42.7 34.3 51.5

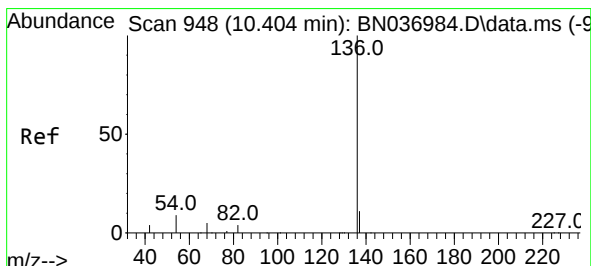
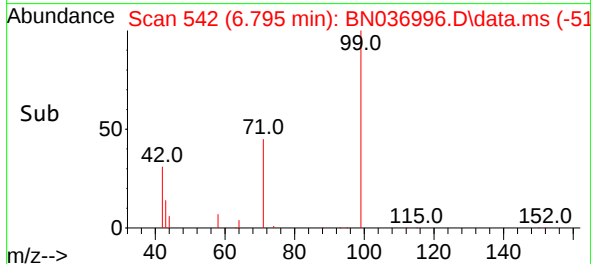
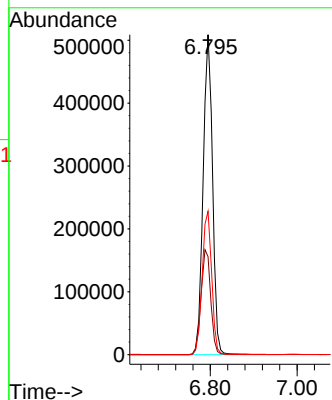
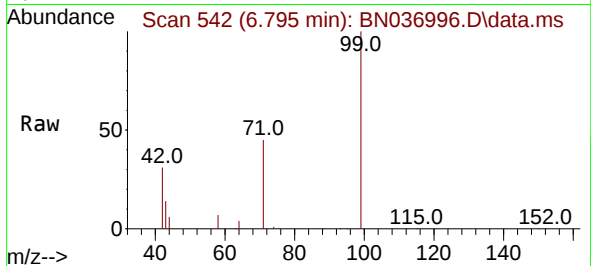




#5
Phenol-d6
Concen: 112.775 ng
RT: 6.795 min Scan# 542
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

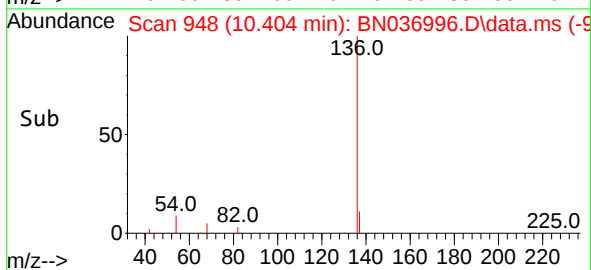
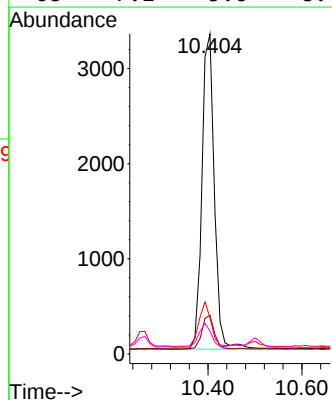
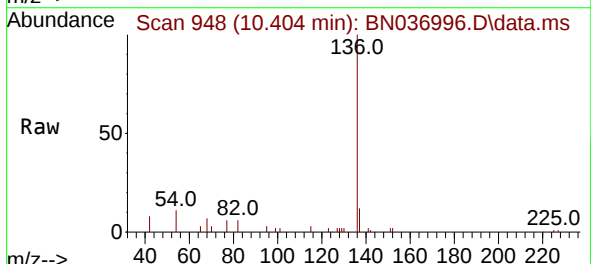
Instrument :
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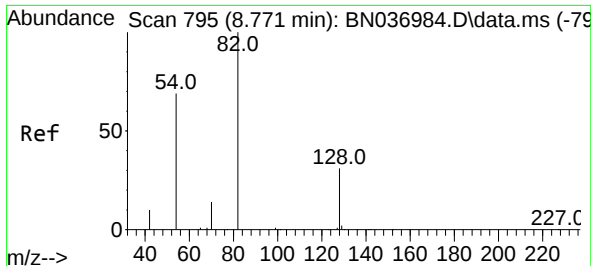
Tgt Ion: 99 Resp: 763462
Ion Ratio Lower Upper
99 100
42 33.8 29.0 43.6
71 45.5 36.2 54.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion: 136 Resp: 6095
Ion Ratio Lower Upper
136 100
137 12.1 10.3 15.5
54 11.3 9.2 13.8
68 7.1 5.6 8.4

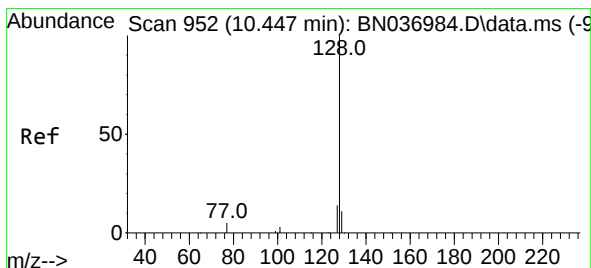
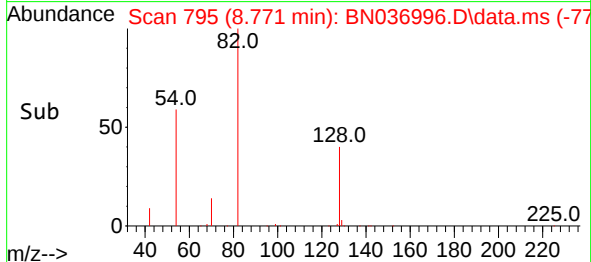
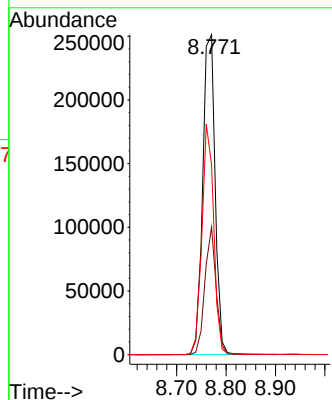
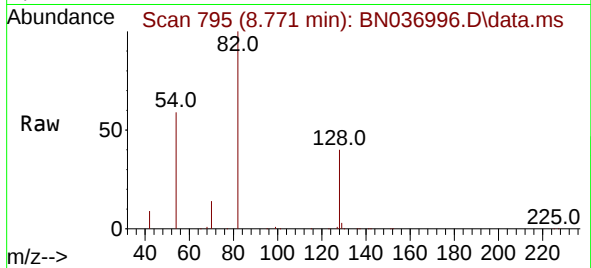




#8
Nitrobenzene-d5
Concen: 68.428 ng
RT: 8.771 min Scan# 795
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

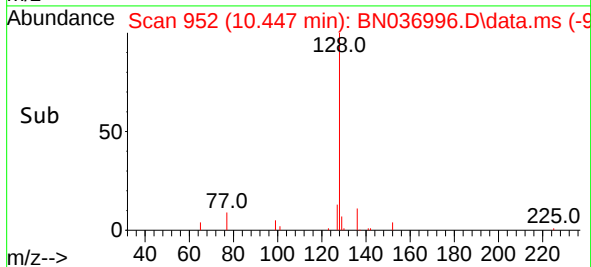
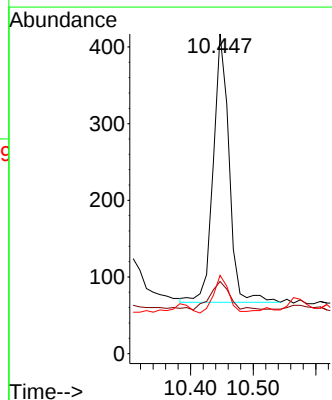
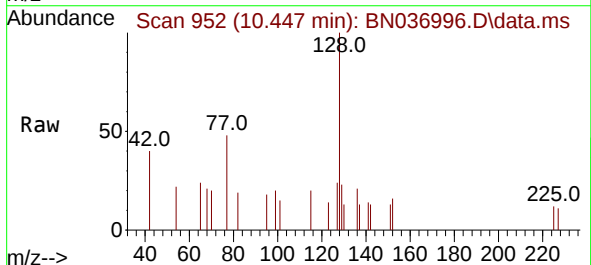
Instrument :
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ClientSampleId :
HW0425-PT-TRIAZINE-SOIL

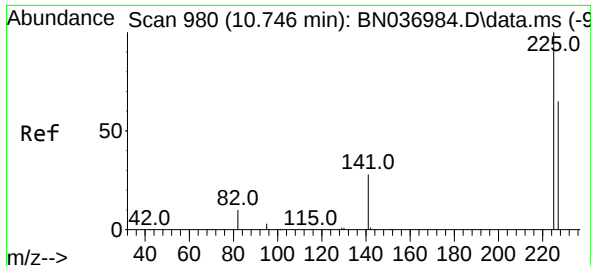
Tgt Ion: 82 Resp: 439598
Ion Ratio Lower Upper
82 100
128 39.9 28.1 42.1
54 59.3 56.4 84.6



#9
Naphthalene
Concen: 0.035 ng
RT: 10.447 min Scan# 952
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion: 128 Resp: 614
Ion Ratio Lower Upper
128 100
129 22.5 10.0 15.0#
127 24.5 12.1 18.1#

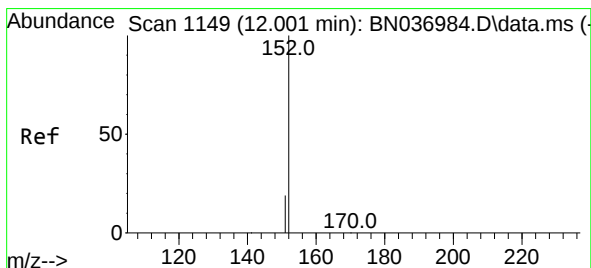
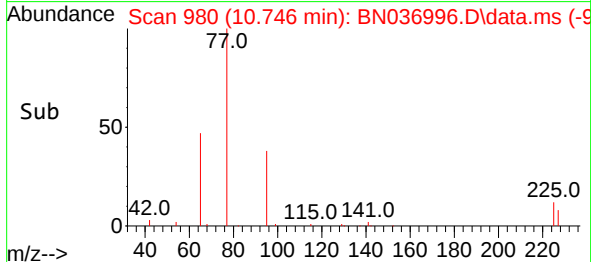
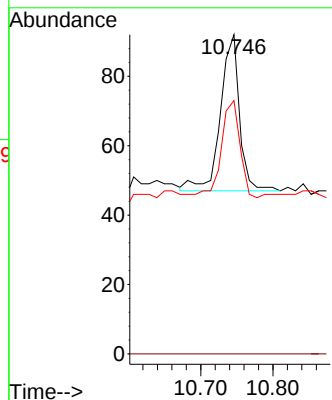
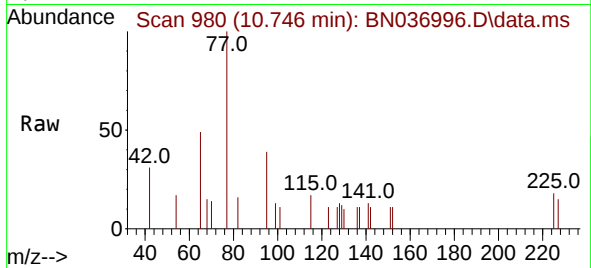




#10
Hexachlorobutadiene
Concen: 0.022 ng
RT: 10.746 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

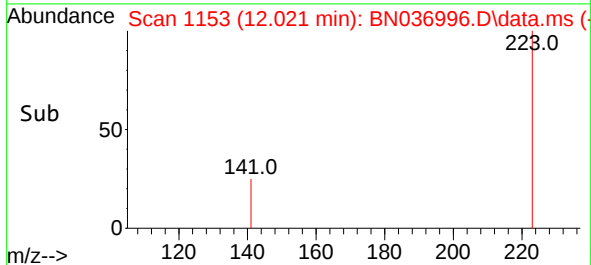
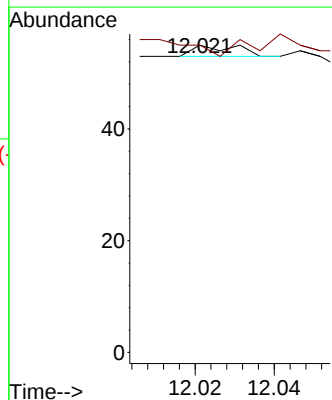
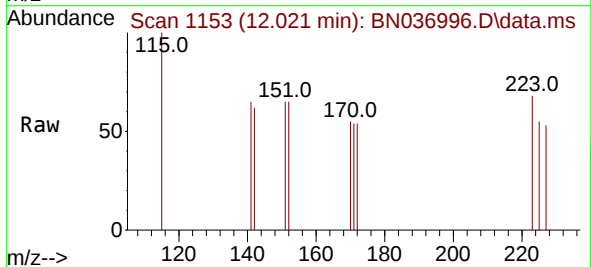
Instrument :
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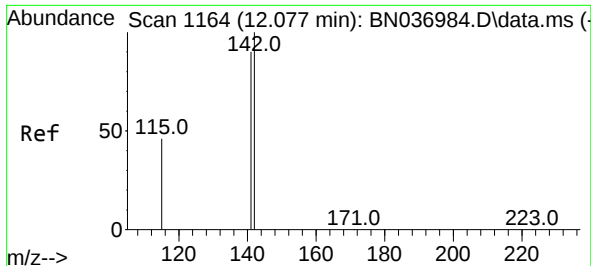
Tgt Ion:225 Resp: 83
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 60.2 51.2 76.8



#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.021 min Scan# 1153
Delta R.T. 0.020 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion:152 Resp: 2
Ion Ratio Lower Upper
152 100
151 0.0 17.4 26.2#

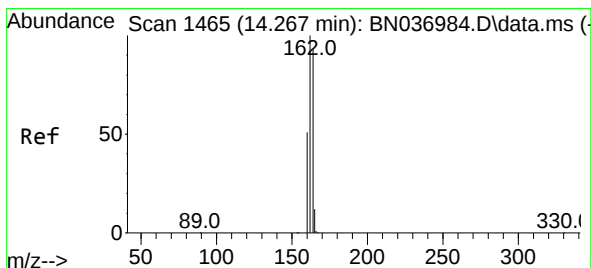
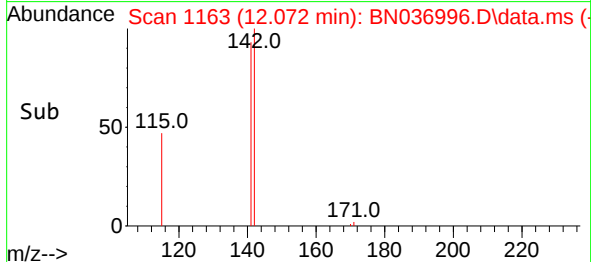
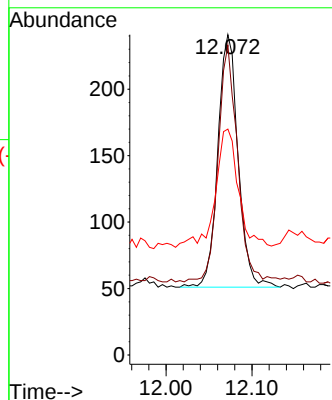
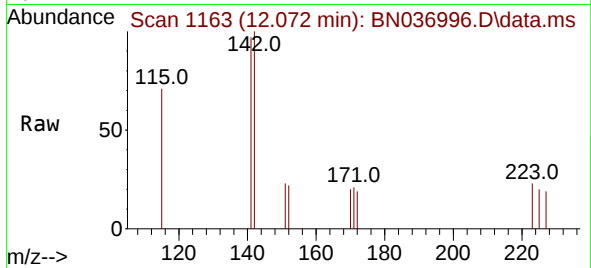




#12
2-Methylnaphthalene
Concen: 0.027 ng
RT: 12.072 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

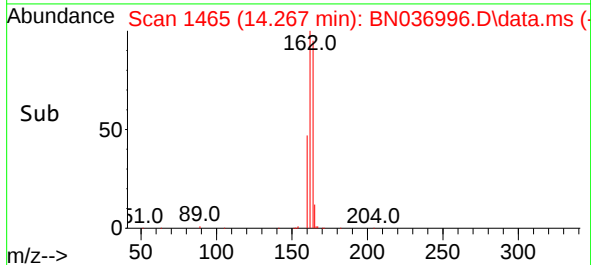
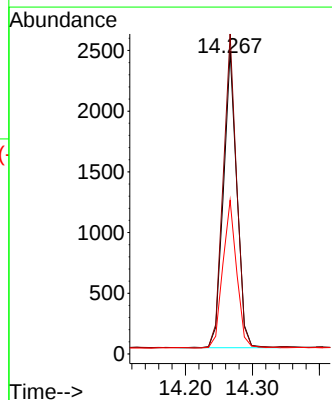
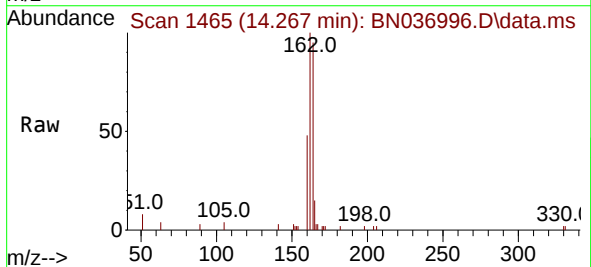
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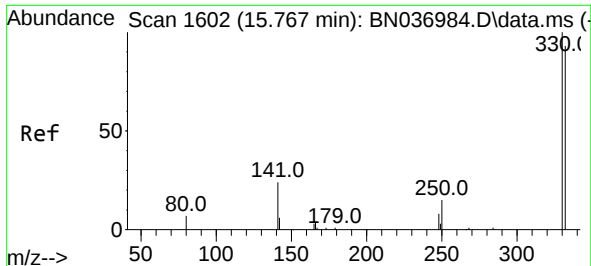
Tgt Ion:142 Resp: 312
Ion Ratio Lower Upper
142 100
141 96.7 71.8 107.8
115 70.5 38.6 58.0#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.267 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion:164 Resp: 3427
Ion Ratio Lower Upper
164 100
162 105.7 86.1 129.1
160 50.8 44.6 67.0

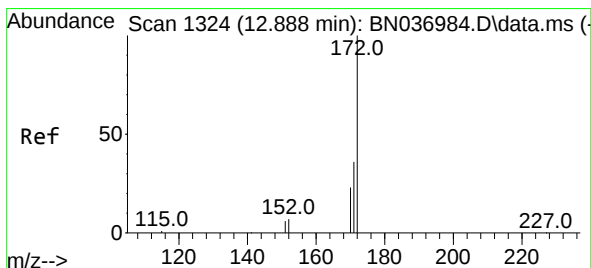
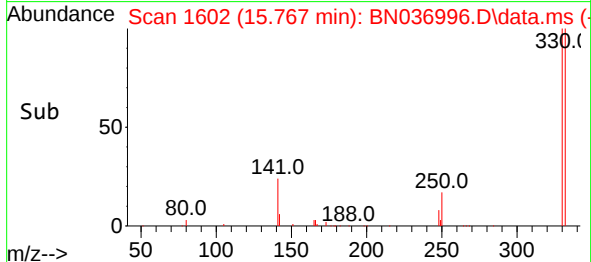
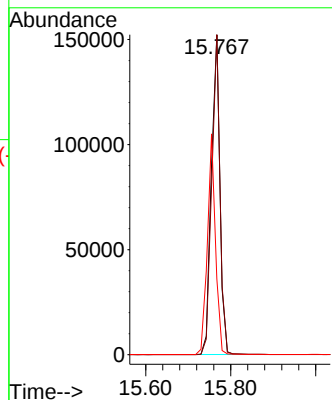
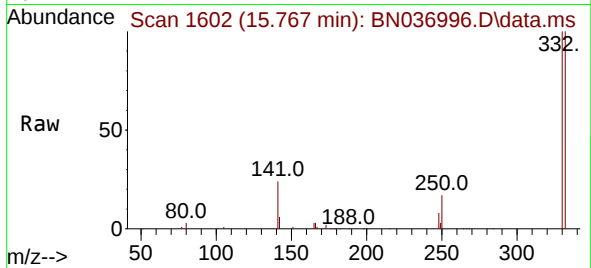




#14
2,4,6-Tribromophenol
Concen: 135.186 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

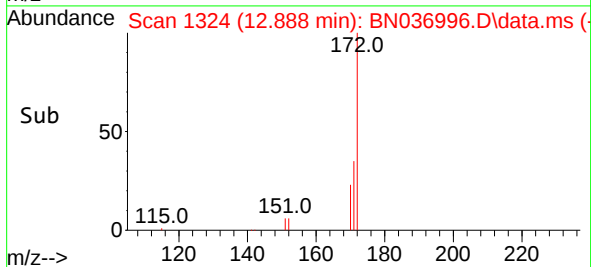
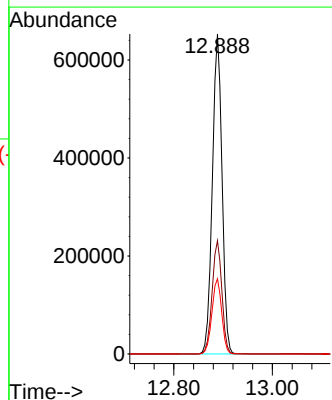
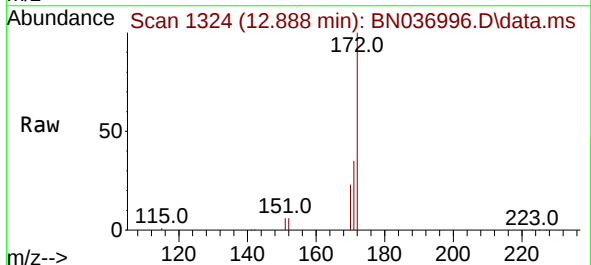
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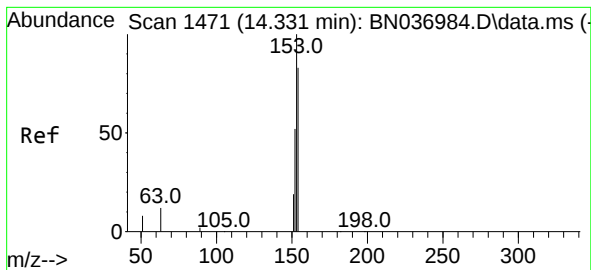
Tgt Ion:330 Resp: 212439
Ion Ratio Lower Upper
330 100
332 96.5 75.6 113.4
141 65.3 47.4 71.2



#15
2-Fluorobiphenyl
Concen: 57.164 ng
RT: 12.888 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion:172 Resp: 914768
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.2
170 23.5 19.4 29.0





#17

Acenaphthene

Concen: 0.021 ng

RT: 14.331 min Scan# 1471

Delta R.T. -0.000 min

Lab File: BN036996.D

Acq: 13 May 2025 15:14

Instrument :

BNA_N

ClientSampleId :

HW0425-PT-TRIAZINE-SOIL

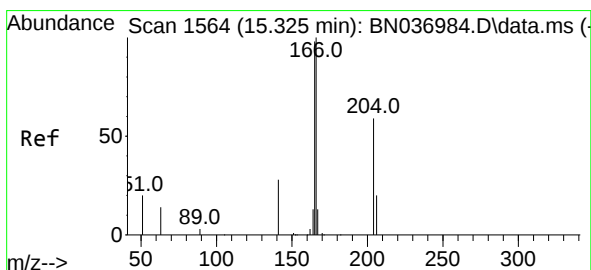
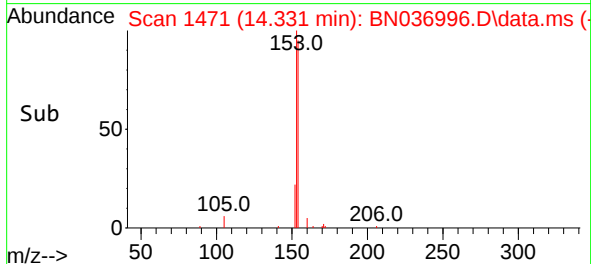
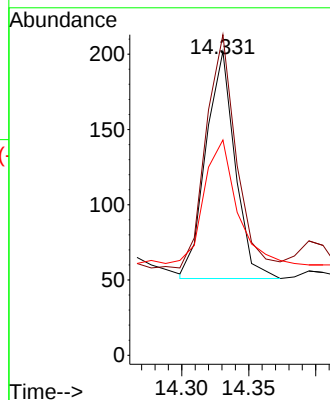
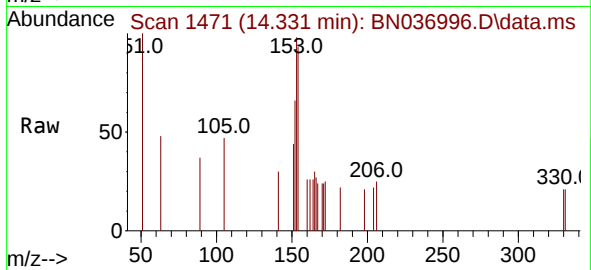
Tgt Ion:154 Resp: 228

Ion Ratio Lower Upper

154 100

153 111.0 94.6 142.0

152 64.5 49.4 74.2



#18

Fluorene

Concen: 0.037 ng

RT: 15.325 min Scan# 1564

Delta R.T. -0.000 min

Lab File: BN036996.D

Acq: 13 May 2025 15:14

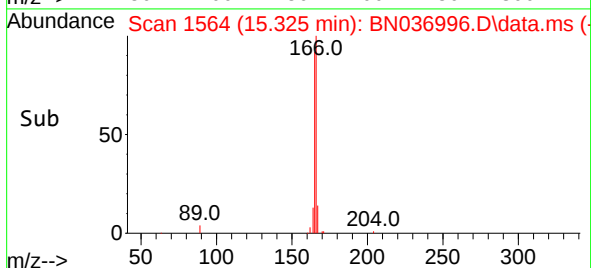
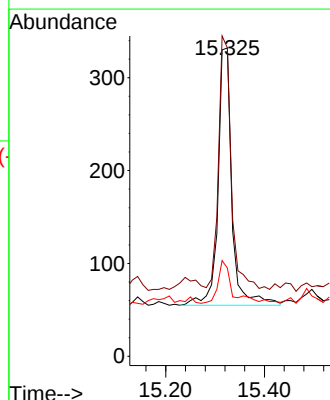
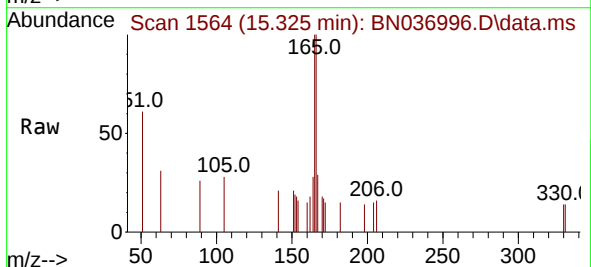
Tgt Ion:166 Resp: 540

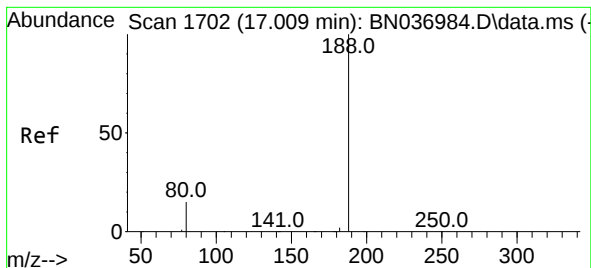
Ion Ratio Lower Upper

166 100

165 91.7 81.0 121.4

167 13.7 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.009 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN036996.D

Acq: 13 May 2025 15:14

Instrument :

BNA_N

ClientSampleId :

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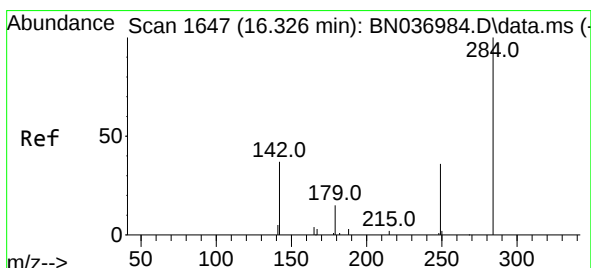
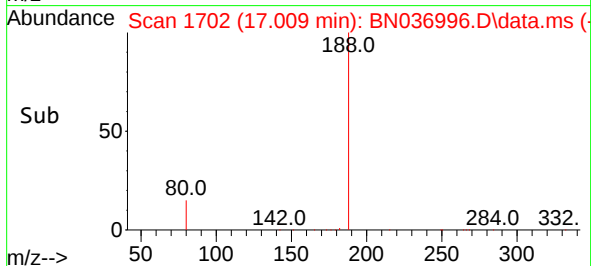
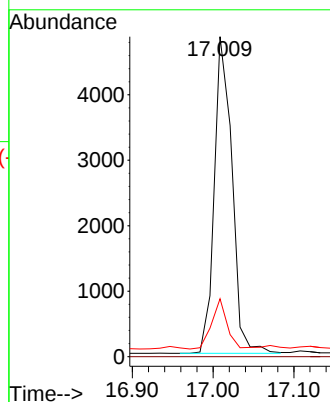
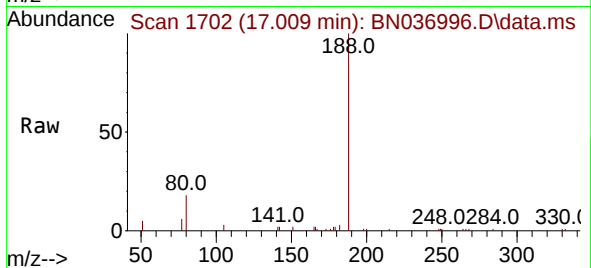
Tgt Ion:188 Resp: 7343

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 18.1 13.4 20.0



#22

Hexachlorobenzene

Concen: 0.025 ng

RT: 16.326 min Scan# 1647

Delta R.T. -0.000 min

Lab File: BN036996.D

Acq: 13 May 2025 15:14

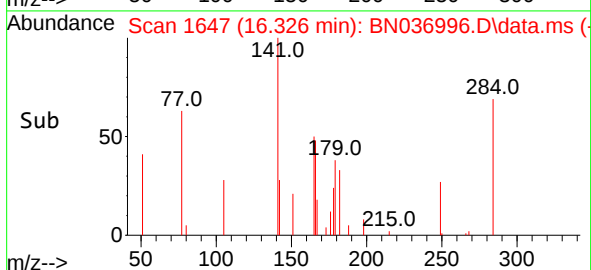
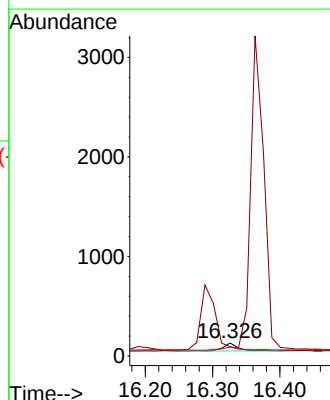
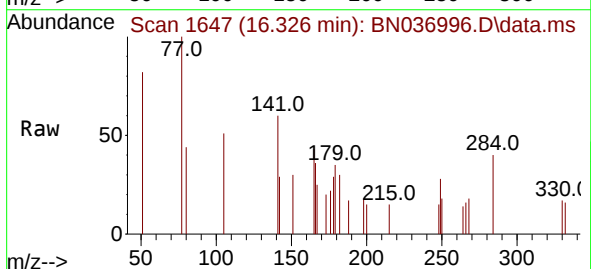
Tgt Ion:284 Resp: 128

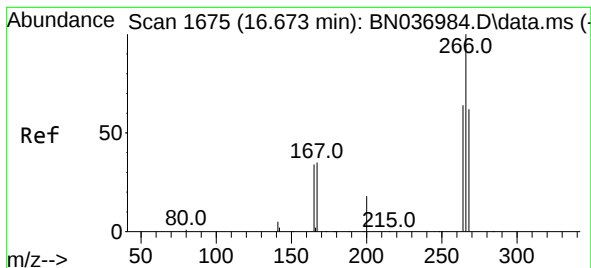
Ion Ratio Lower Upper

284 100

142 0.0 41.4 62.2#

249 57.0 29.1 43.7#





#24

Pentachlorophenol

Concen: 0.037 ng

RT: 16.673 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN036996.D

Acq: 13 May 2025 15:14

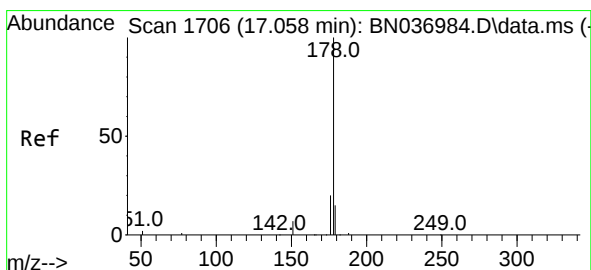
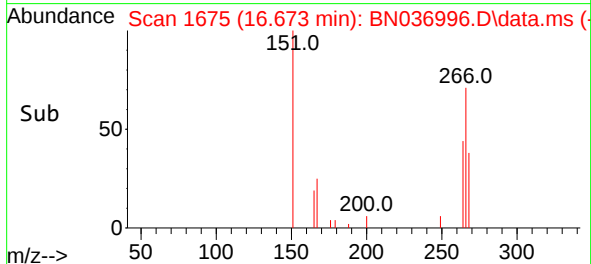
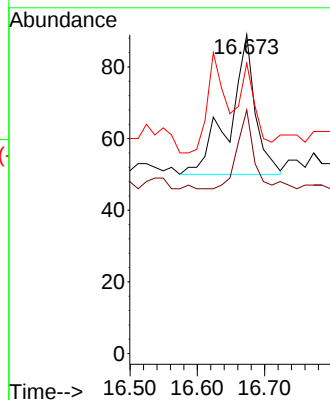
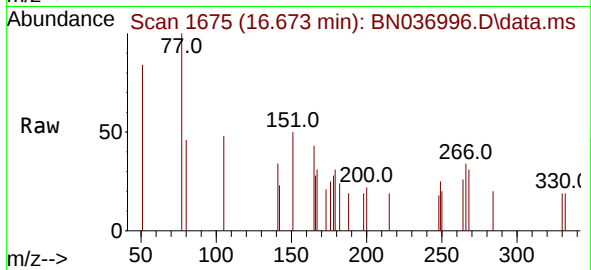
Instrument :

BNA_N

ClientSampleId :

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Tgt Ion:	266	Resp:	104
Ion Ratio	Lower	Upper	
266	100		
264	37.5	52.8	79.2#
268	32.7	50.0	75.0#



#25

Phenanthrene

Concen: 0.252 ng

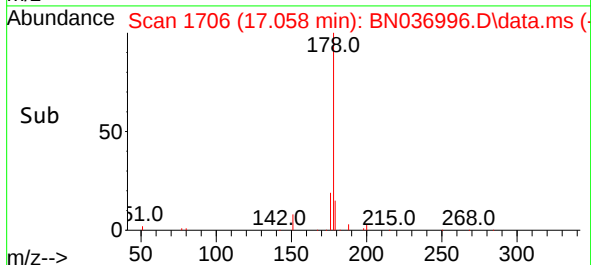
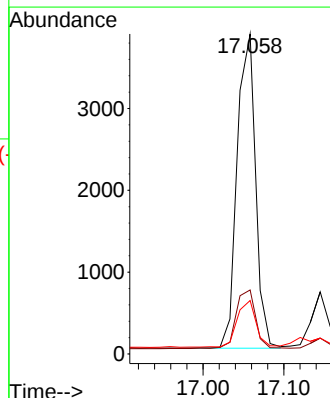
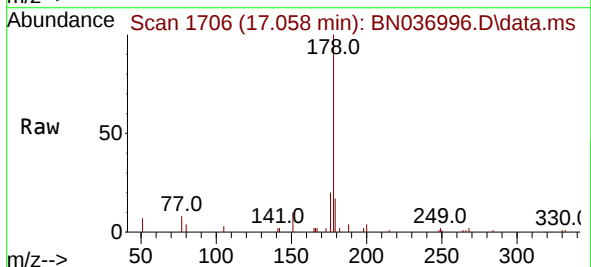
RT: 17.058 min Scan# 1706

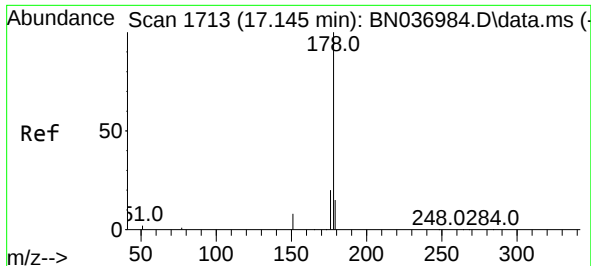
Delta R.T. -0.000 min

Lab File: BN036996.D

Acq: 13 May 2025 15:14

Tgt Ion:	178	Resp:	6069
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.0	24.0
179	15.3	12.3	18.5

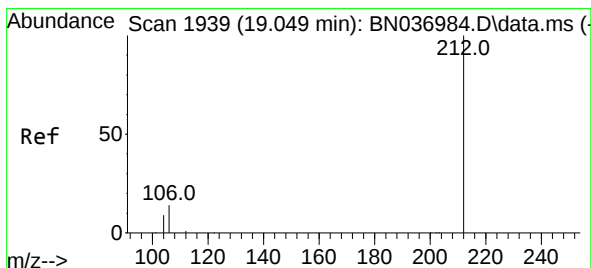
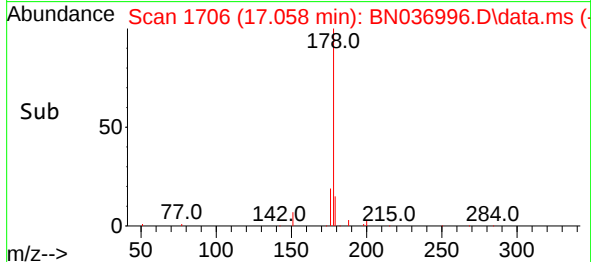
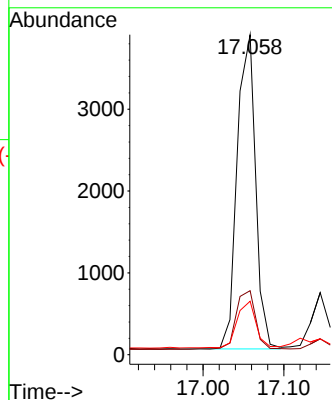
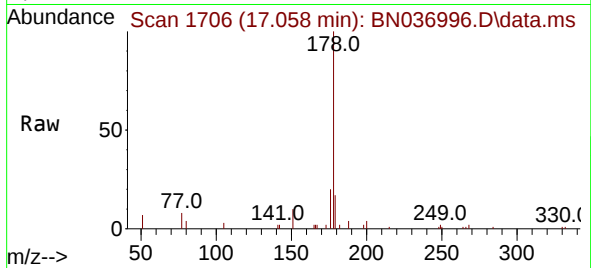




#26
 Anthracene
 Concen: 0.275 ng
 RT: 17.058 min Scan# 11
 Delta R.T. -0.087 min
 Lab File: BN036996.D
 Acq: 13 May 2025 15:14

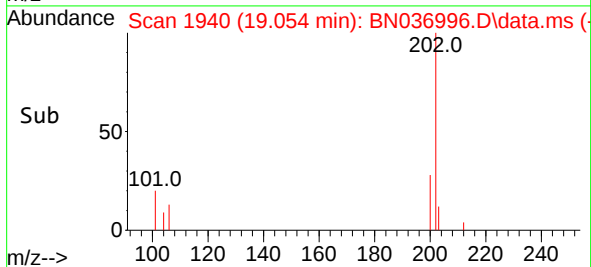
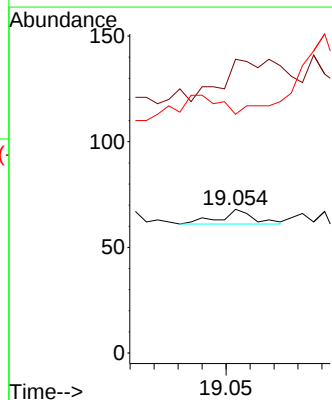
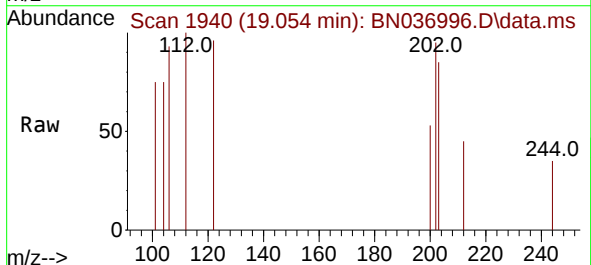
Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-TRIAZINE-SOIL

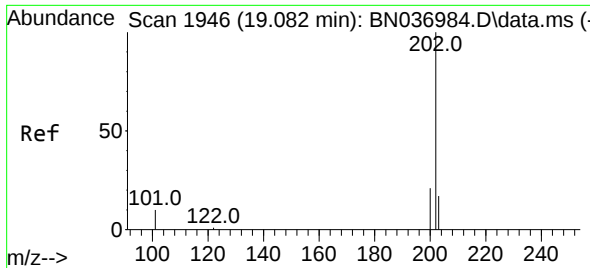
Tgt Ion:178 Resp: 6069
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.3 22.9
 179 15.3 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.000 ng
 RT: 19.054 min Scan# 1940
 Delta R.T. 0.005 min
 Lab File: BN036996.D
 Acq: 13 May 2025 15:14

Tgt Ion:212 Resp: 7
 Ion Ratio Lower Upper
 212 100
 106 614.3 11.3 16.9#
 104 271.4 7.0 10.4#

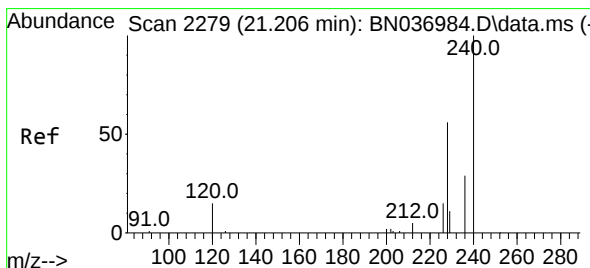
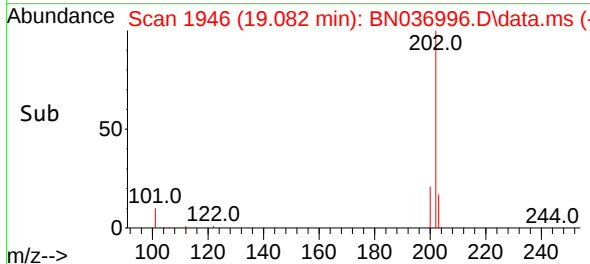
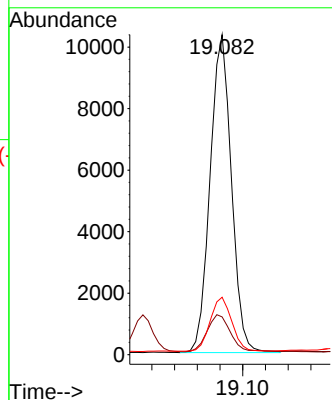
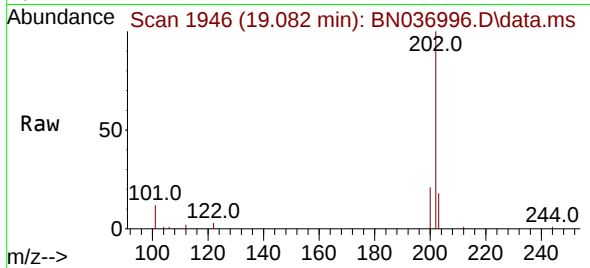




#28
Fluoranthene
Concen: 0.474 ng
RT: 19.082 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

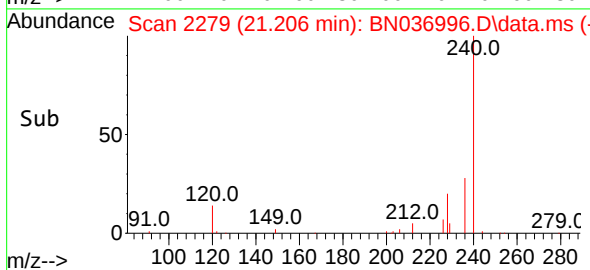
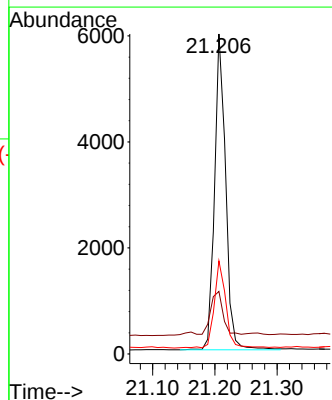
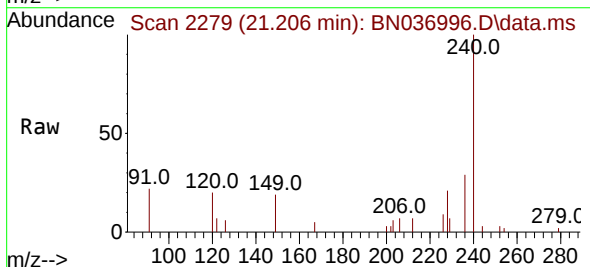
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-TRIAZINE-SOIL

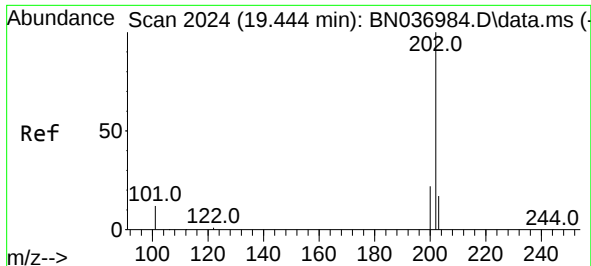
Tgt Ion:202 Resp: 13461
Ion Ratio Lower Upper
202 100
101 12.8 8.6 12.8
203 17.2 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.206 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion:240 Resp: 7384
Ion Ratio Lower Upper
240 100
120 19.6 14.5 21.7
236 29.1 24.3 36.5

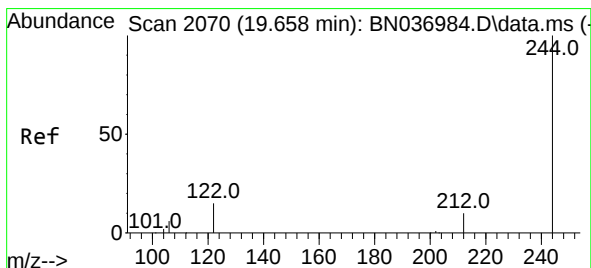
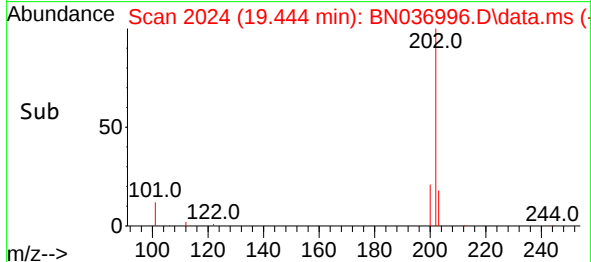
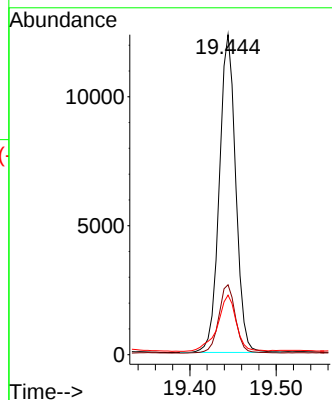
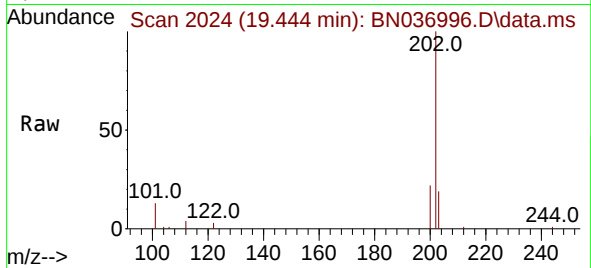




#30
 Pyrene
 Concen: 0.487 ng
 RT: 19.444 min Scan# 2024
 Delta R.T. -0.000 min
 Lab File: BN036996.D
 Acq: 13 May 2025 15:14

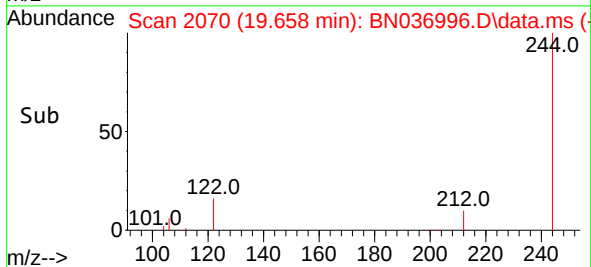
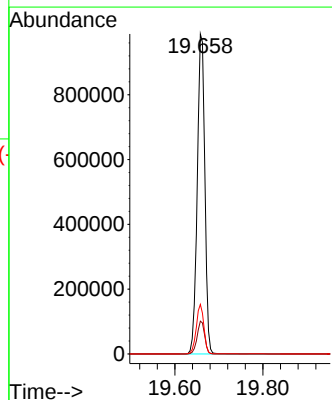
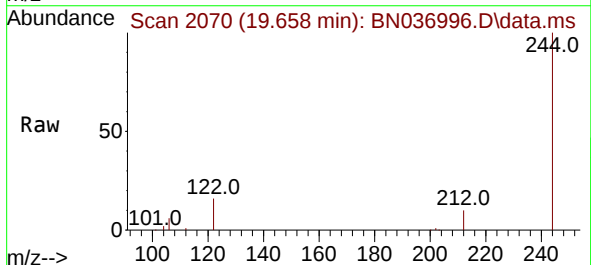
Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-TRIAZINE-SOIL

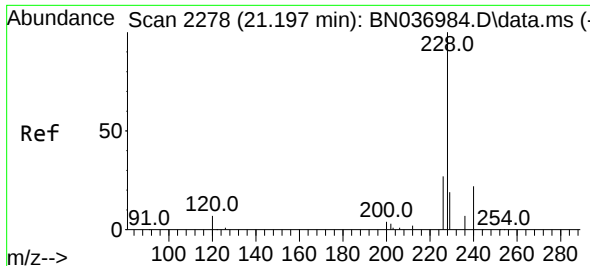
Tgt Ion:202 Resp: 16307
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.3 25.9
 203 20.2 14.4 21.6



#31
 Terphenyl-d14
 Concen: 70.184 ng
 RT: 19.658 min Scan# 2070
 Delta R.T. -0.000 min
 Lab File: BN036996.D
 Acq: 13 May 2025 15:14

Tgt Ion:244 Resp: 1173103
 Ion Ratio Lower Upper
 244 100
 212 10.2 9.5 14.3
 122 15.5 13.4 20.0

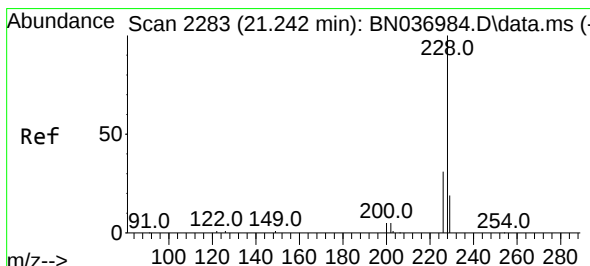
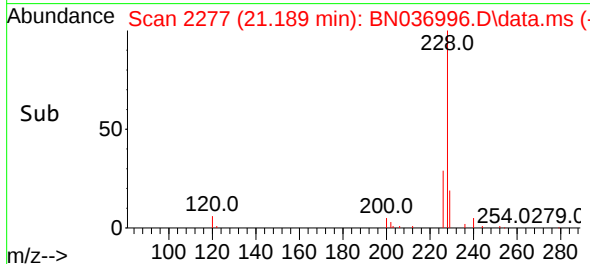
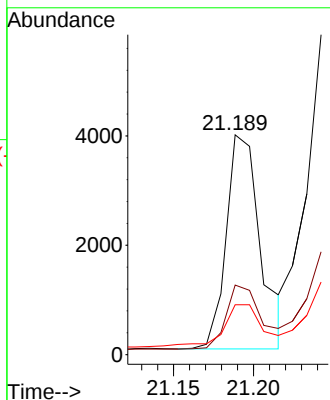
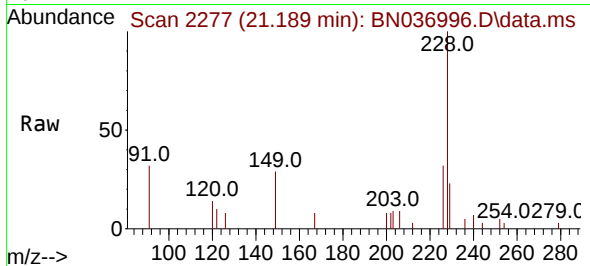




#32
Benzo(a)anthracene
Concen: 0.209 ng
RT: 21.189 min Scan# 2118
Delta R.T. -0.009 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

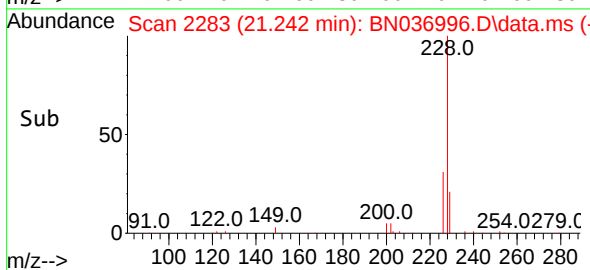
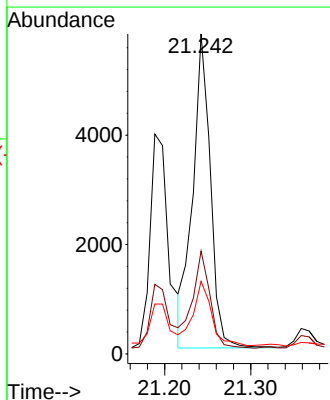
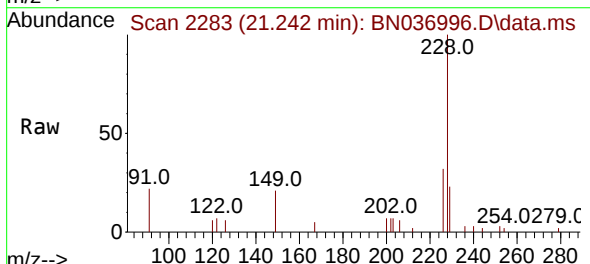
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-TRIAZINE-SOIL

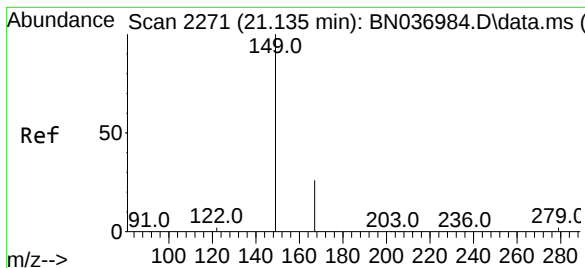
Tgt Ion:228 Resp: 5849
Ion Ratio Lower Upper
228 100
226 31.6 22.4 33.6
229 22.7 16.0 24.0



#33
Chrysene
Concen: 0.279 ng
RT: 21.242 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion:228 Resp: 8232
Ion Ratio Lower Upper
228 100
226 32.2 25.7 38.5
229 22.7 16.0 24.0

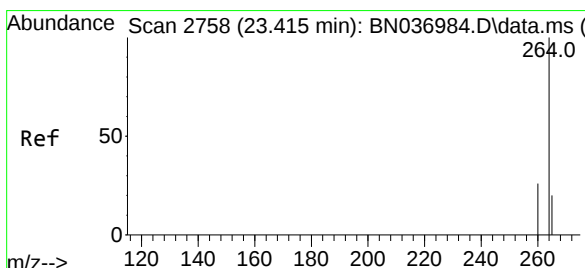
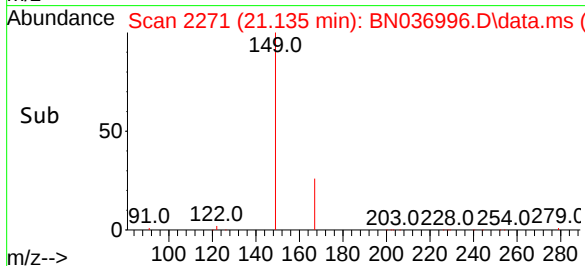
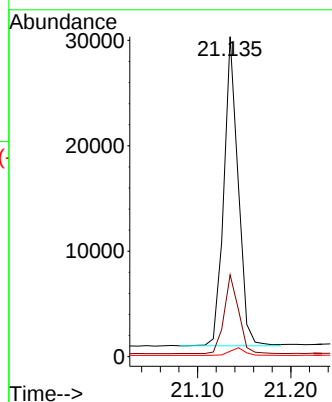
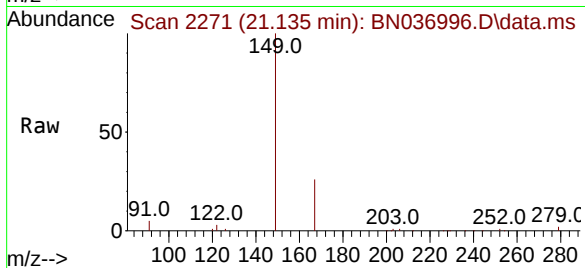




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.812 ng
 RT: 21.135 min Scan# 21165
 Delta R.T. -0.000 min
 Lab File: BN036996.D
 Acq: 13 May 2025 15:14

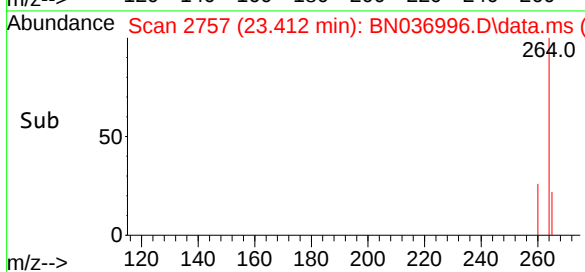
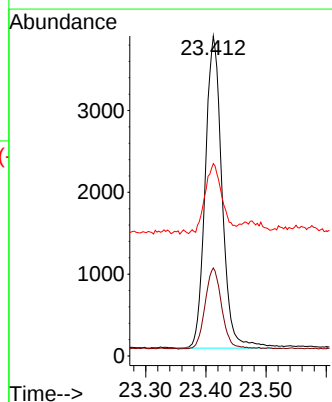
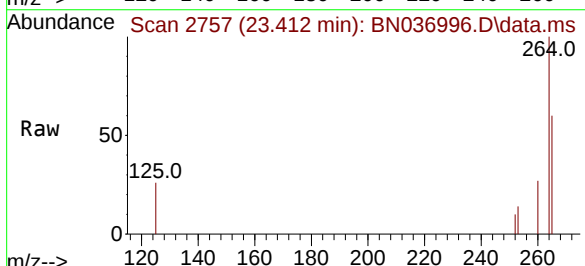
Instrument :
 BNA_N
 ClientSampleId :
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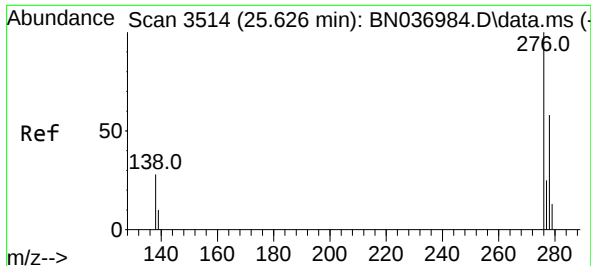
Tgt Ion:149 Resp: 31165
 Ion Ratio Lower Upper
 149 100
 167 25.6 21.0 31.6
 279 2.6 2.7 4.1#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.412 min Scan# 2757
 Delta R.T. -0.003 min
 Lab File: BN036996.D
 Acq: 13 May 2025 15:14

Tgt Ion:264 Resp: 7397
 Ion Ratio Lower Upper
 264 100
 260 27.5 22.3 33.5
 265 60.1 55.4 83.0

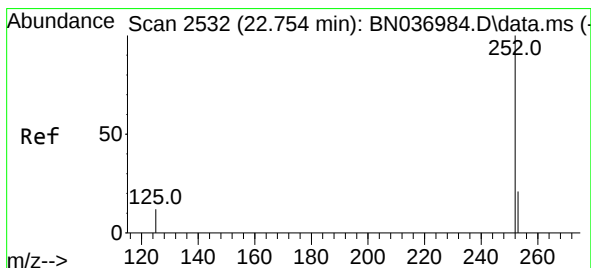
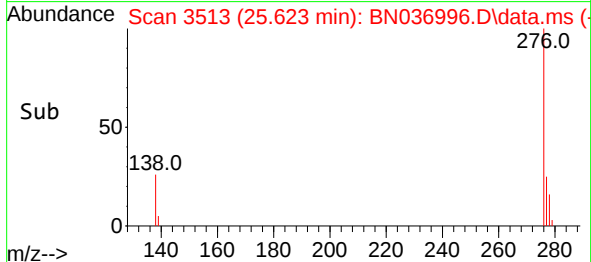
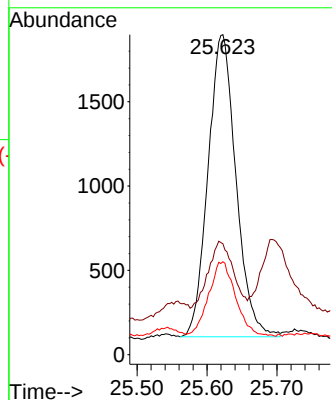
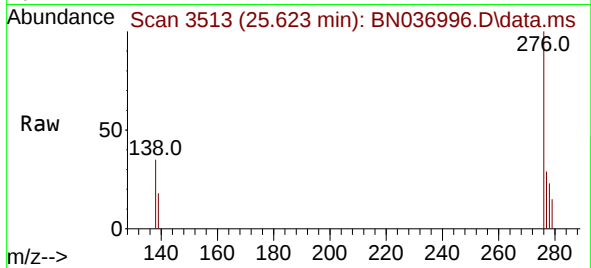




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.170 ng
RT: 25.623 min Scan# 3514
Delta R.T. -0.003 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

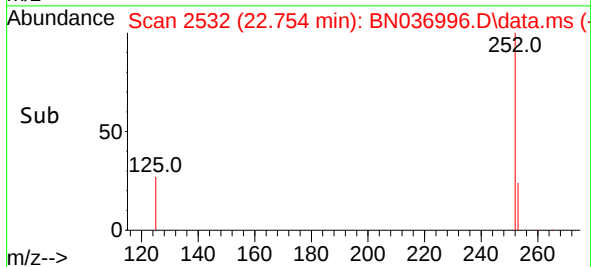
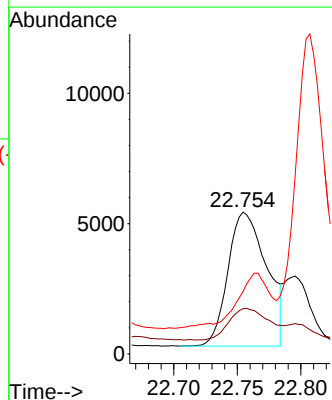
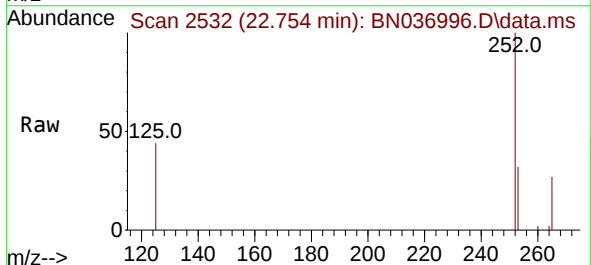
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-TRIAZINE-SOIL

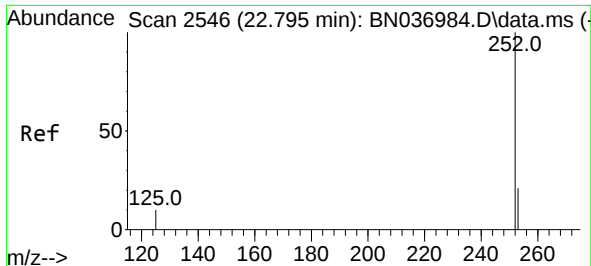
Tgt Ion:276 Resp: 4971
Ion Ratio Lower Upper
276 100
138 24.2 21.8 32.8
277 24.1 20.2 30.4



#37
Benzo(b)fluoranthene
Concen: 0.354 ng
RT: 22.754 min Scan# 2532
Delta R.T. -0.000 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion:252 Resp: 10902
Ion Ratio Lower Upper
252 100
253 31.9 21.9 32.9
125 44.0 13.8 20.8#

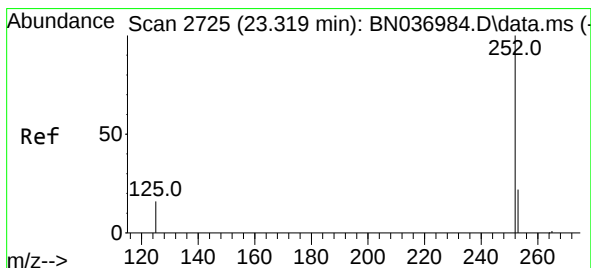
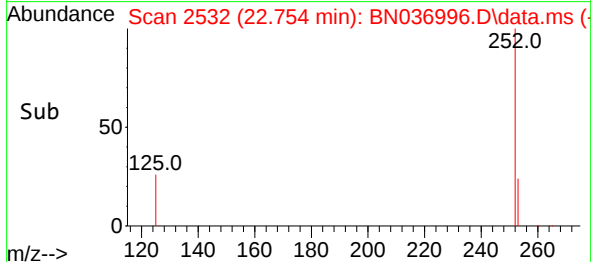
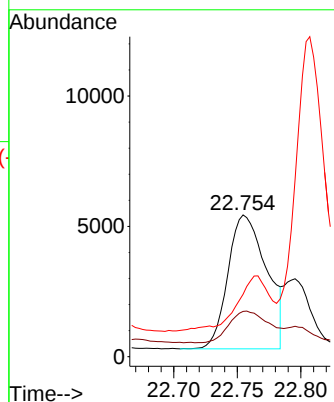
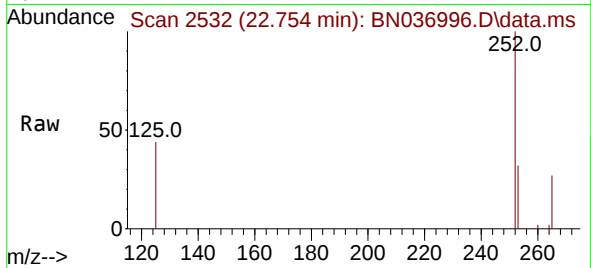




#38
Benzo(k)fluoranthene
Concen: 0.356 ng
RT: 22.754 min Scan# 21
Delta R.T. -0.041 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

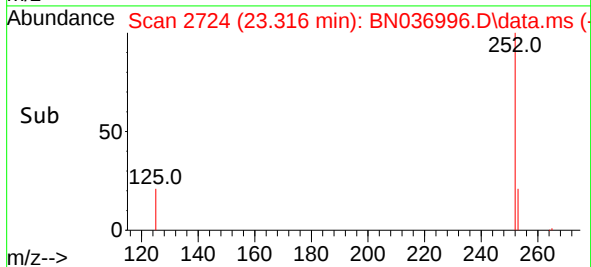
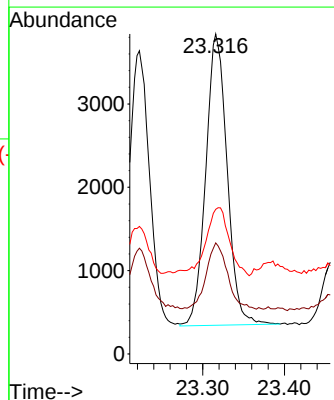
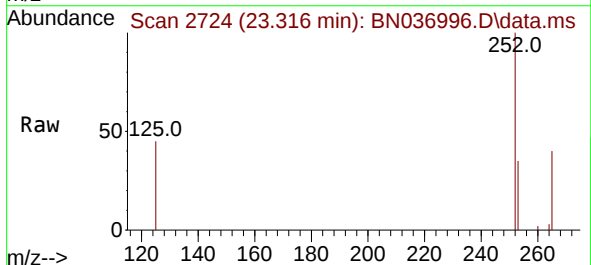
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-TRIAZINE-SOIL

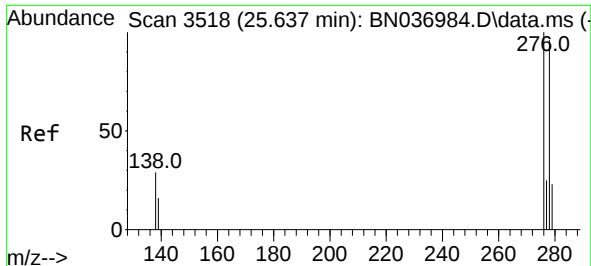
Tgt Ion:252 Resp: 10902
Ion Ratio Lower Upper
252 100
253 31.9 22.0 33.0
125 44.0 13.4 20.2#



#39
Benzo(a)pyrene
Concen: 0.248 ng
RT: 23.316 min Scan# 2724
Delta R.T. -0.003 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion:252 Resp: 6345
Ion Ratio Lower Upper
252 100
253 34.7 24.8 37.2
125 45.2 18.6 28.0#

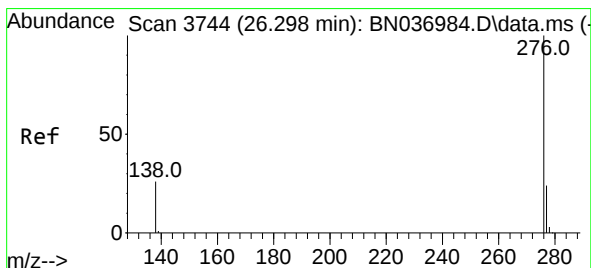
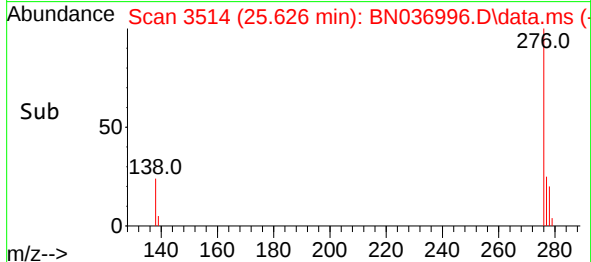
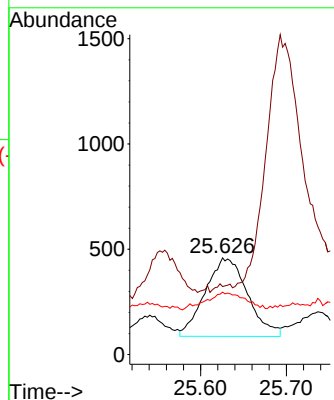
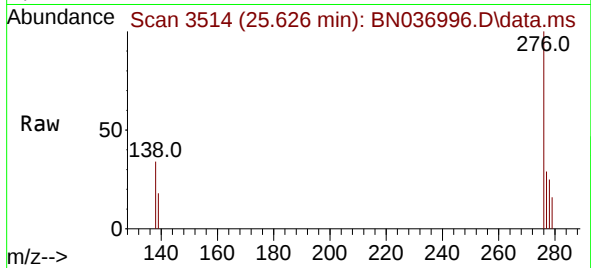




#40
Dibenzo(a,h)anthracene
Concen: 0.056 ng
RT: 25.626 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

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

Tgt Ion:278 Resp: 1280
Ion Ratio Lower Upper
278 100
139 70.4 18.1 27.1#
279 64.7 25.3 37.9#



#41
Benzo(g,h,i)perylene
Concen: 0.210 ng
RT: 26.295 min Scan# 3743
Delta R.T. -0.003 min
Lab File: BN036996.D
Acq: 13 May 2025 15:14

Tgt Ion:276 Resp: 5316
Ion Ratio Lower Upper
276 100
277 29.1 21.2 31.8
138 35.9 22.6 33.8#

