

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051325\
 Data File : BN036995.D
 Acq On : 13 May 2025 14:20
 Operator : RC/JU
 Sample : Q1872-11DL 50X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 13 14:45:50 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)

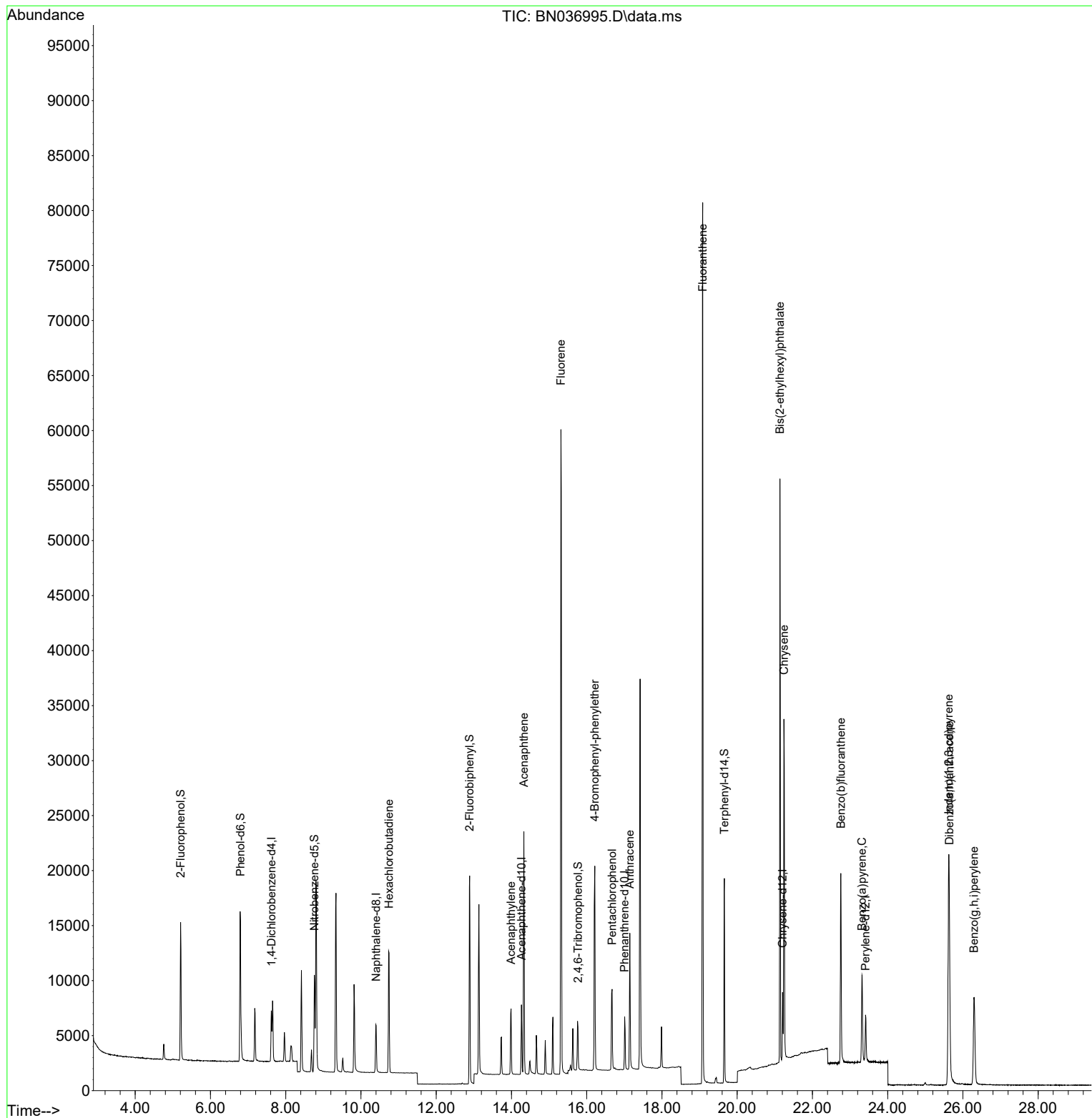
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	2126	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	5894	0.400	ng	0.00
13) Acenaphthene-d10	14.266	164	3337	0.400	ng	0.00
19) Phenanthrene-d10	17.009	188	6540	0.400	ng	0.00
29) Chrysene-d12	21.206	240	5786	0.400	ng	0.00
35) Perylene-d12	23.412	264	5499	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	8807	1.607	ng	0.00
5) Phenol-d6	6.795	99	11407	1.717	ng	0.00
8) Nitrobenzene-d5	8.760	82	7065	1.137	ng	-0.01
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	15.767	330	2452	1.602	ng	0.00
15) 2-Fluorobiphenyl	12.888	172	18683	1.199	ng	0.00
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	19.658	244	16875	1.288	ng	0.00
Target Compounds						
						Qvalue
10) Hexachlorobutadiene	10.746	225	9370	2.551	ng	# 99
16) Acenaphthylene	13.989	152	7041	0.432	ng	99
17) Acenaphthene	14.331	154	9825	0.917	ng	98
18) Fluorene	15.314	166	37721	2.627	ng	99
21) 4-Bromophenyl-phenylether	16.214	248	6629	1.561	ng	# 91
24) Pentachlorophenol	16.673	266	3756	1.491	ng	97
26) Anthracene	17.145	178	12699	0.647	ng	100
28) Fluoranthene	19.082	202	68387	2.703	ng	98
33) Chrysene	21.242	228	27049	1.170	ng	99
34) Bis(2-ethylhexyl)phtha...	21.135	149	45056	3.343	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.623	276	31073	1.430	ng	99
37) Benzo(b)fluoranthene	22.754	252	21045	0.918	ng	94
39) Benzo(a)pyrene	23.316	252	11888	0.625	ng	92
40) Dibenzo(a,h)anthracene	25.637	278	13022	0.768	ng	94
41) Benzo(g,h,i)perylene	26.295	276	15910	0.847	ng	98

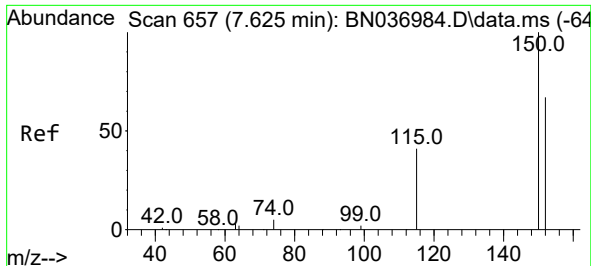
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_N
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HW0425-PT-BNA-SOILDL

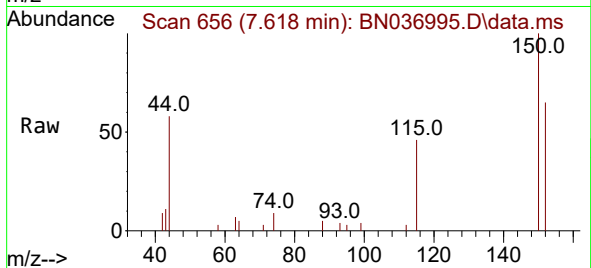
Quant Time: May 13 14:45:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 12 18:05:36 2025
Response via : Initial Calibration



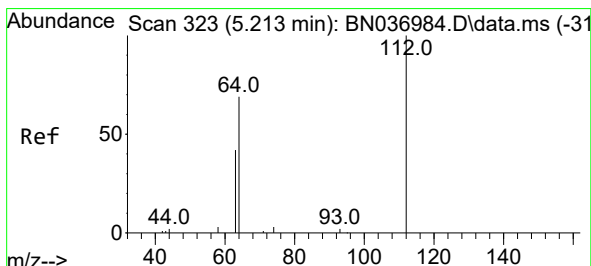
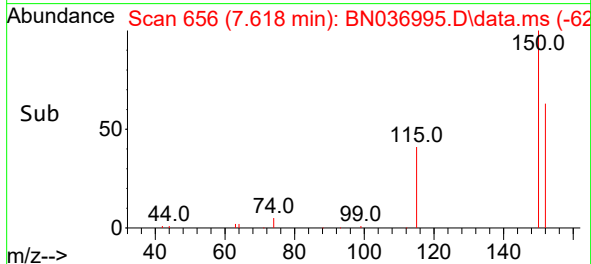
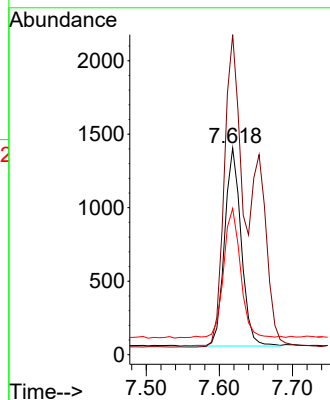


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.618 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

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

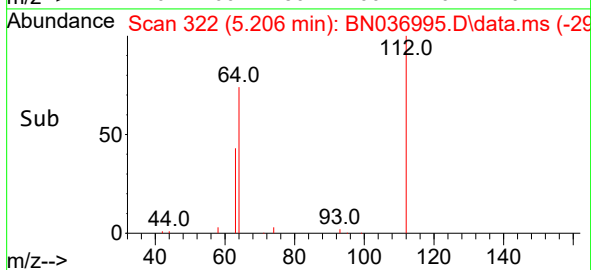
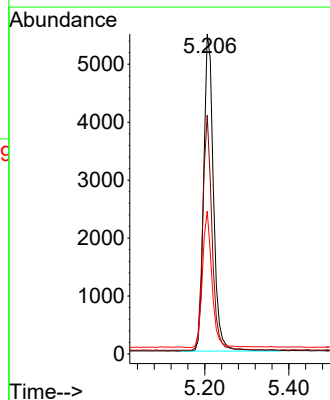
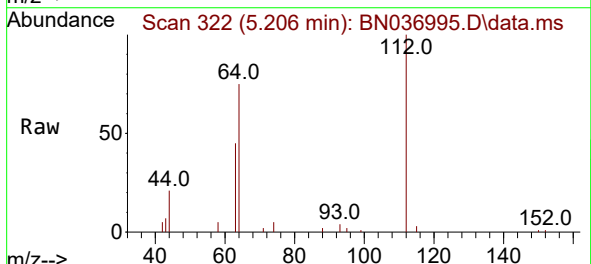


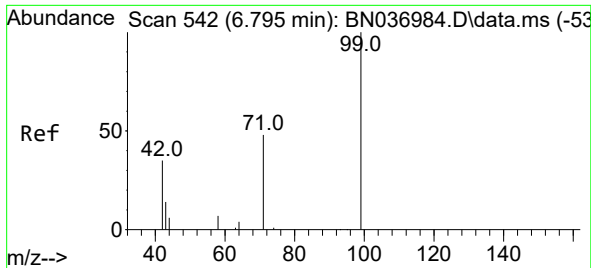
Tgt Ion:152 Resp: 2126
Ion Ratio Lower Upper
152 100
150 154.7 118.2 177.4
115 70.7 52.5 78.7



#4
2-Fluorophenol
Concen: 1.607 ng
RT: 5.206 min Scan# 322
Delta R.T. -0.007 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

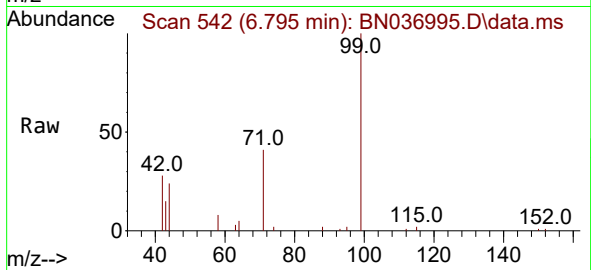
Tgt Ion:112 Resp: 8807
Ion Ratio Lower Upper
112 100
64 70.9 56.2 84.2
63 41.8 34.3 51.5



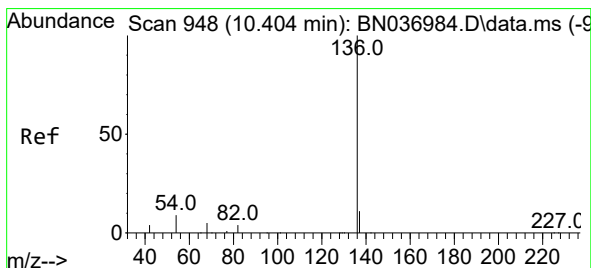
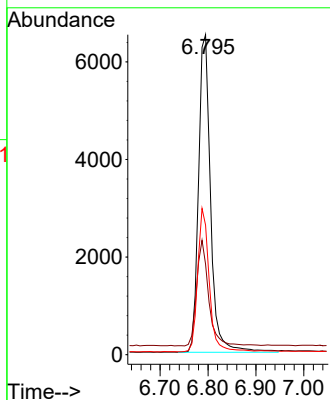
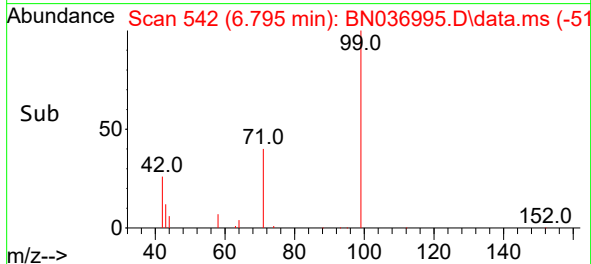


#5
Phenol-d6
Concen: 1.717 ng
RT: 6.795 min Scan# 542
Delta R.T. -0.000 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

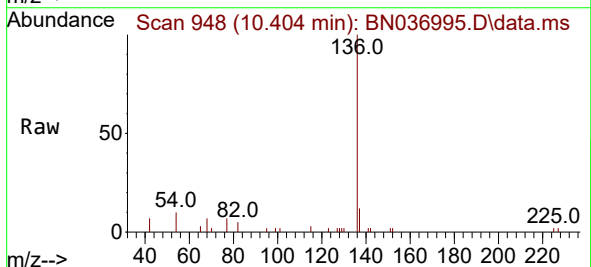
Instrument :
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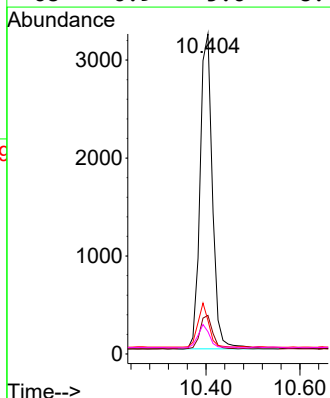
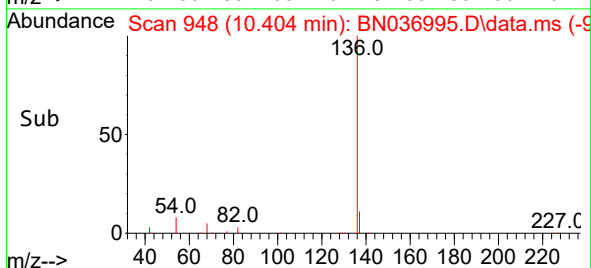
Tgt Ion: 99 Resp: 11407
Ion Ratio Lower Upper
99 100
42 32.9 29.0 43.6
71 43.2 36.2 54.2

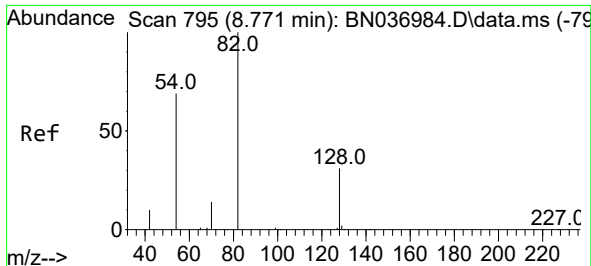


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20



Tgt Ion: 136 Resp: 5894
Ion Ratio Lower Upper
136 100
137 12.0 10.3 15.5
54 10.4 9.2 13.8
68 6.9 5.6 8.4

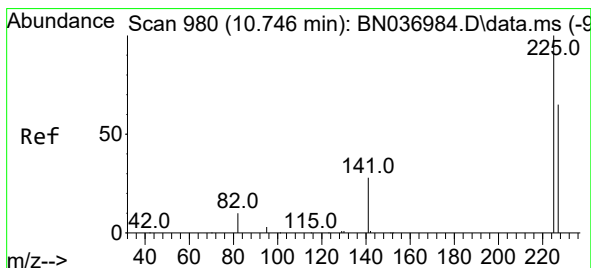
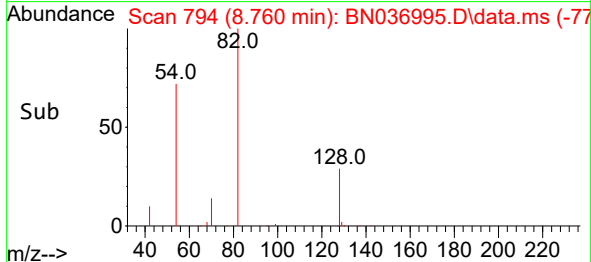
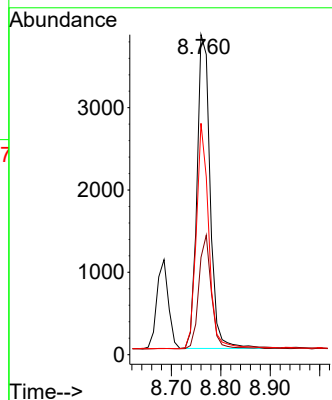
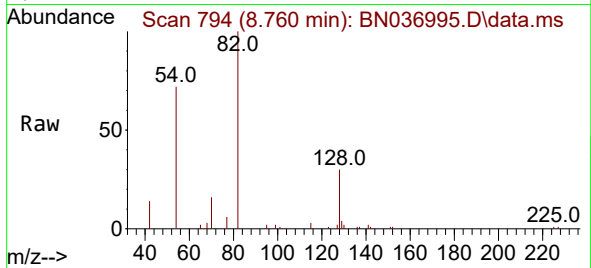




#8
Nitrobenzene-d5
Concen: 1.137 ng
RT: 8.760 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

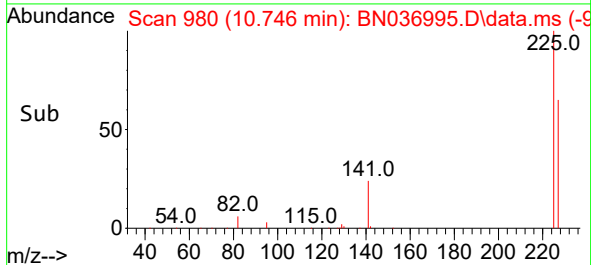
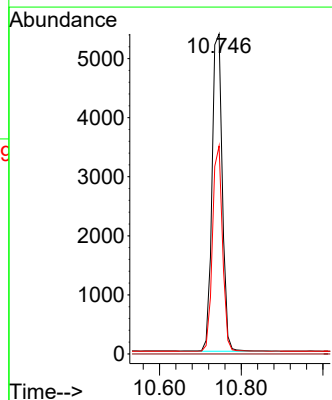
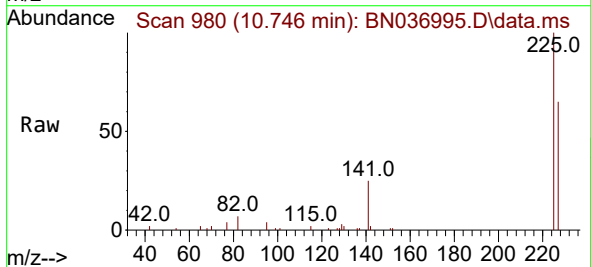
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOILD

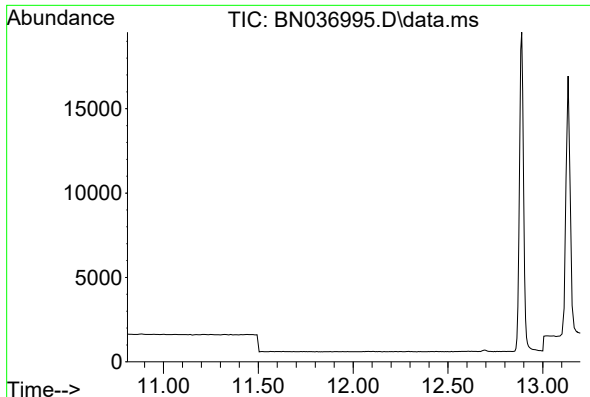
Tgt Ion: 82 Resp: 7065
Ion Ratio Lower Upper
82 100
128 30.4 28.1 42.1
54 72.3 56.4 84.6



#10
Hexachlorobutadiene
Concen: 2.551 ng
RT: 10.746 min Scan# 980
Delta R.T. -0.000 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

Tgt Ion: 225 Resp: 9370
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.0 51.2 76.8

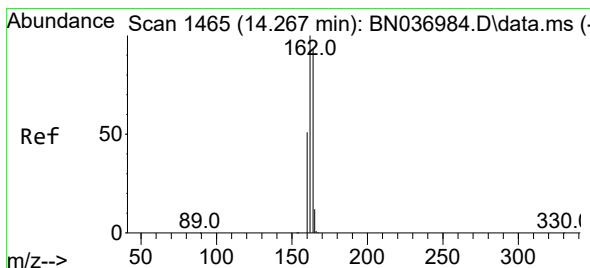
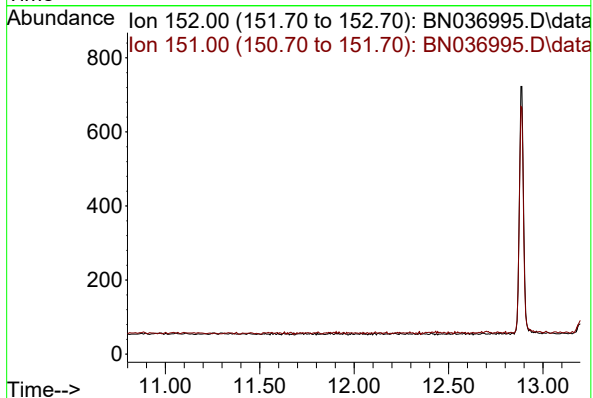




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.00 min
 Lab File: BN036995.D
 Acq: 13 May 2025 14:20

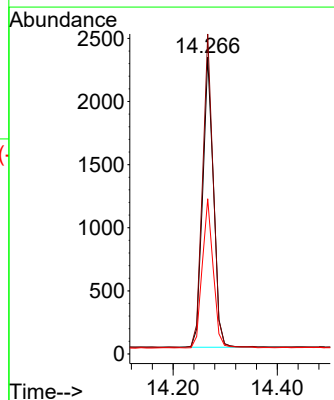
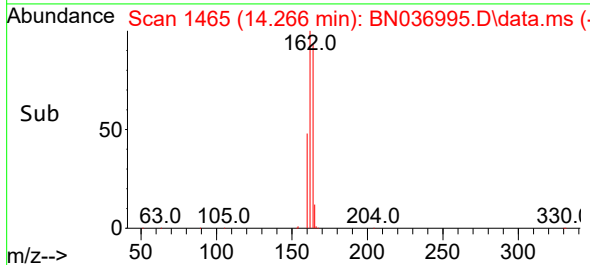
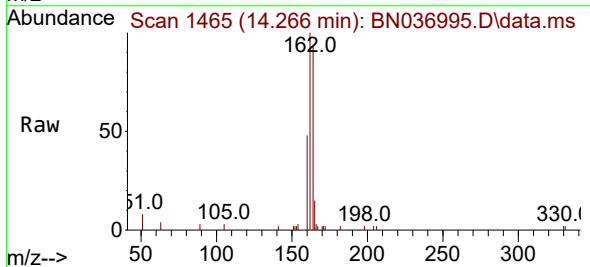
Instrument :
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 HW0425-PT-BNA-SOILD

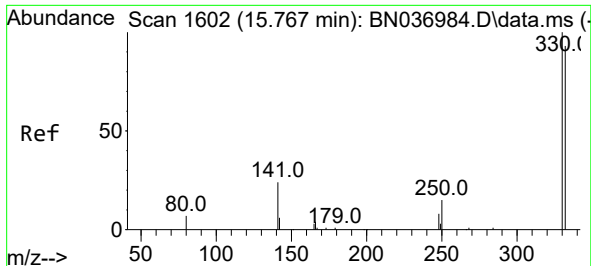
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 21.8



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.266 min Scan# 1465
 Delta R.T. -0.000 min
 Lab File: BN036995.D
 Acq: 13 May 2025 14:20

Tgt Ion: 164 Resp: 3337
 Ion Ratio Lower Upper
 164 100
 162 107.7 86.1 129.1
 160 52.2 44.6 67.0

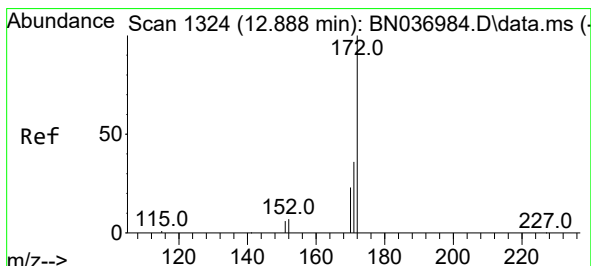
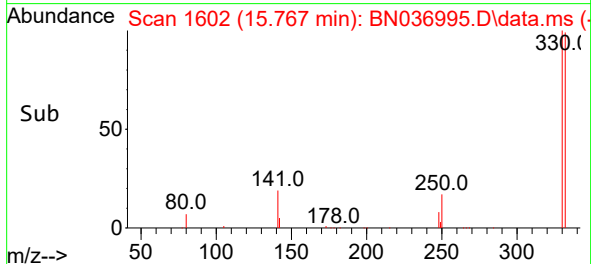
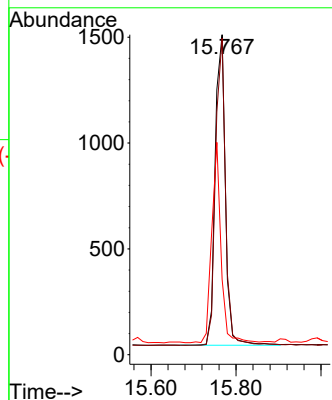
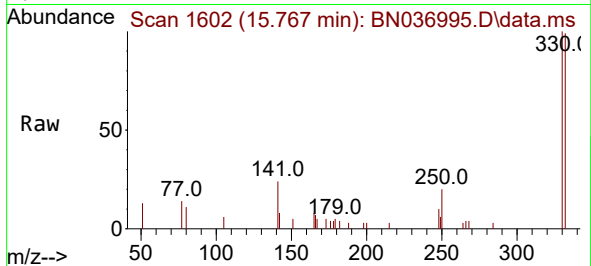




#14
2,4,6-Tribromophenol
Concen: 1.602 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

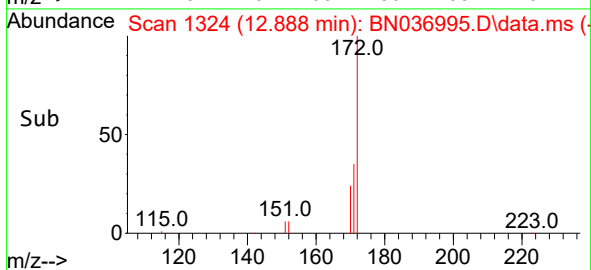
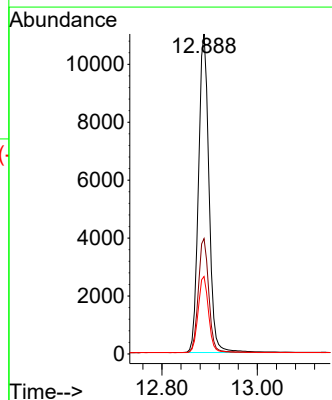
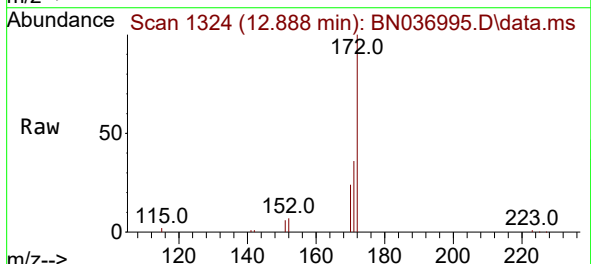
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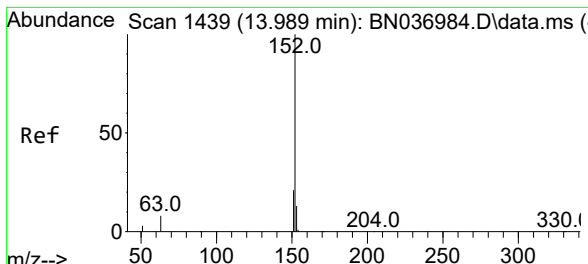
Tgt Ion: 330 Resp: 2452
Ion Ratio Lower Upper
330 100
332 96.9 75.6 113.4
141 58.4 47.4 71.2



#15
2-Fluorobiphenyl
Concen: 1.199 ng
RT: 12.888 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

Tgt Ion: 172 Resp: 18683
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.2
170 24.2 19.4 29.0

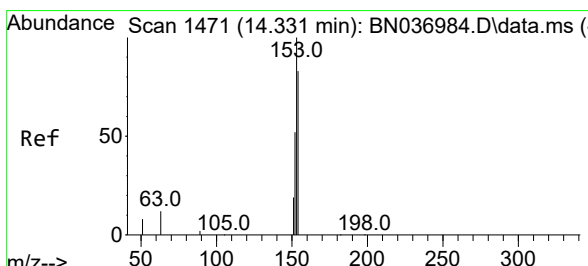
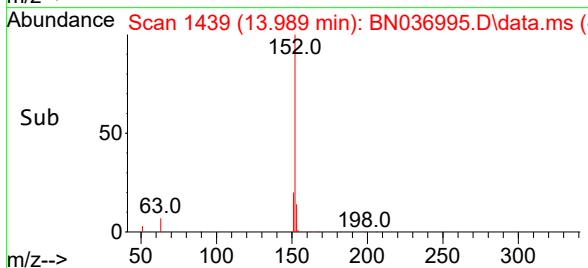
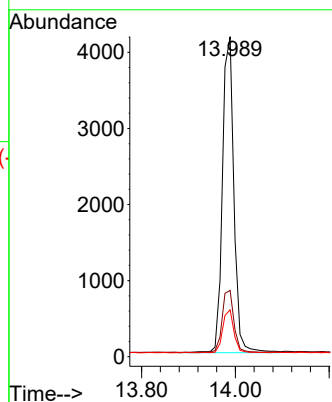
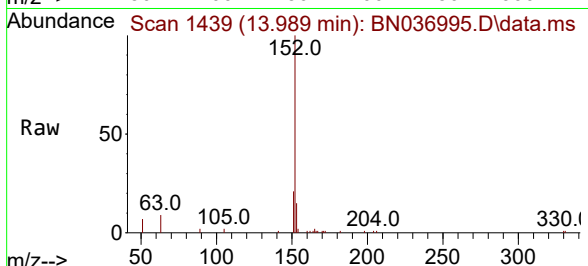




#16
 Acenaphthylene
 Concen: 0.432 ng
 RT: 13.989 min Scan# 1439
 Delta R.T. -0.000 min
 Lab File: BN036995.D
 Acq: 13 May 2025 14:20

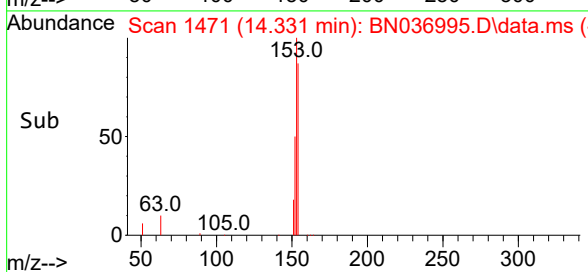
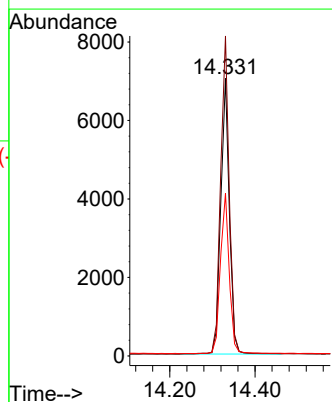
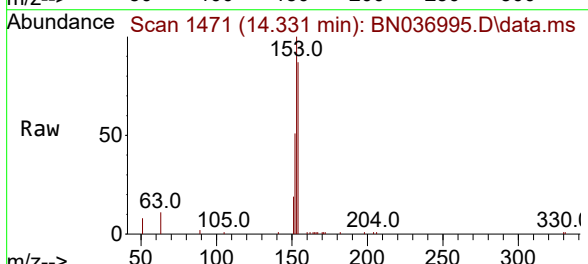
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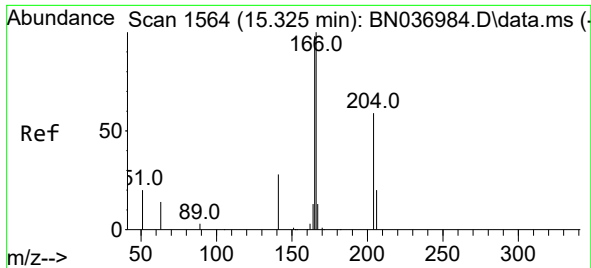
Tgt Ion:	152	Resp:	7041
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.4
153	13.3	10.9	16.3



#17
 Acenaphthene
 Concen: 0.917 ng
 RT: 14.331 min Scan# 1471
 Delta R.T. -0.000 min
 Lab File: BN036995.D
 Acq: 13 May 2025 14:20

Tgt Ion:	154	Resp:	9825
Ion Ratio	Lower	Upper	
154	100		
153	116.2	94.6	142.0
152	60.4	49.4	74.2

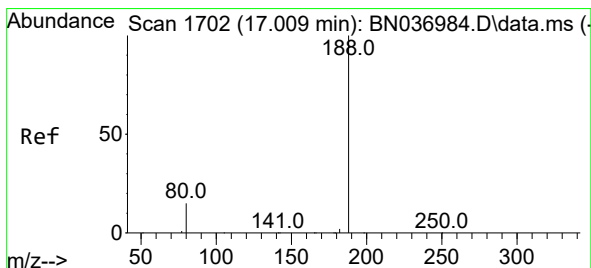
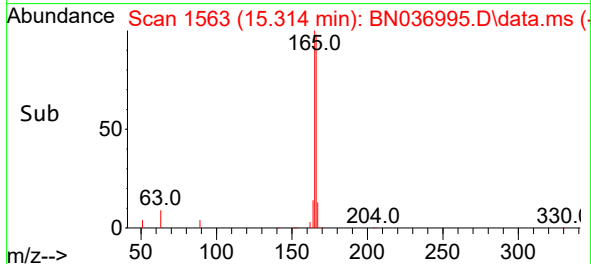
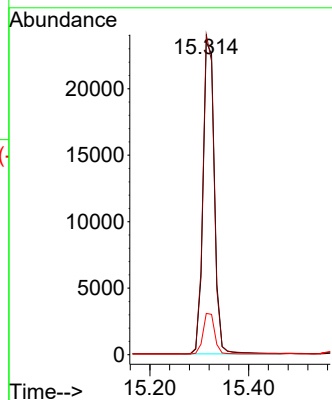
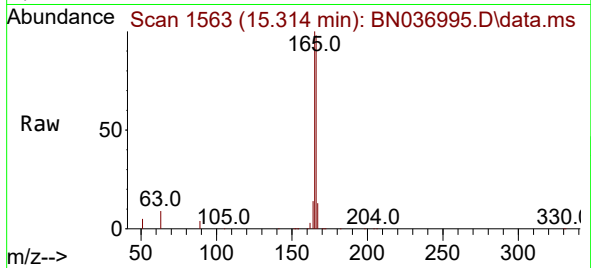




#18
Fluorene
Concen: 2.627 ng
RT: 15.314 min Scan# 1563
Delta R.T. -0.011 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

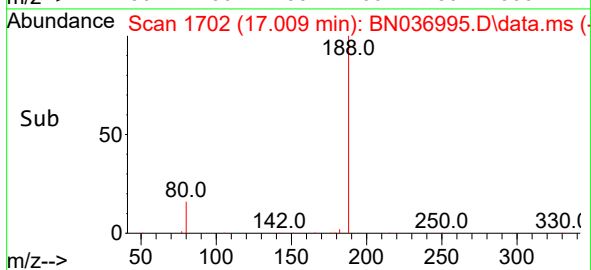
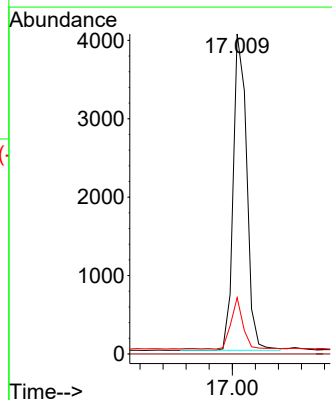
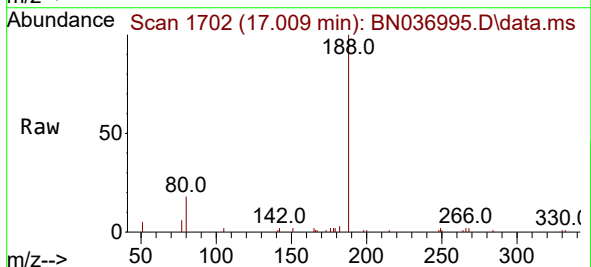
Instrument :
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ClientSampleId :
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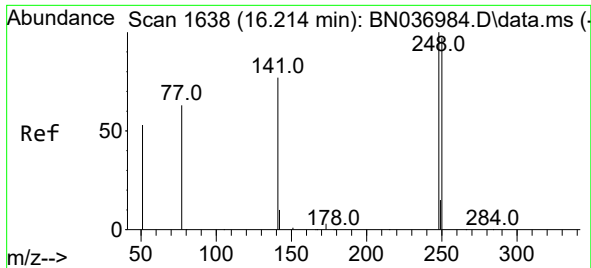
Tgt Ion:166 Resp: 37721
Ion Ratio Lower Upper
166 100
165 100.1 81.0 121.4
167 13.1 10.6 16.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.009 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

Tgt Ion:188 Resp: 6540
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.6 13.4 20.0

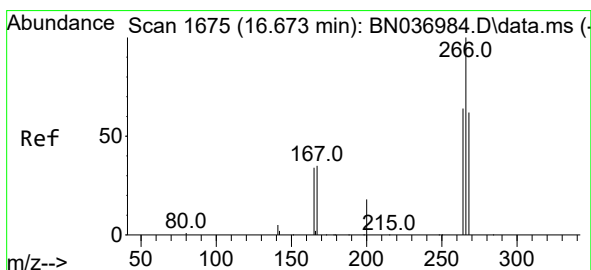
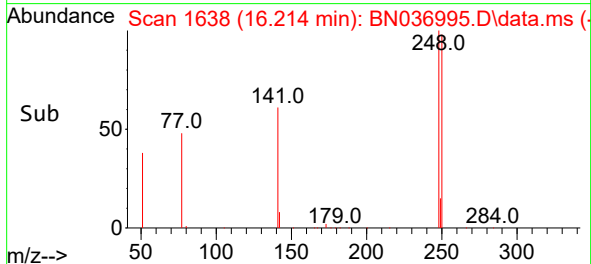
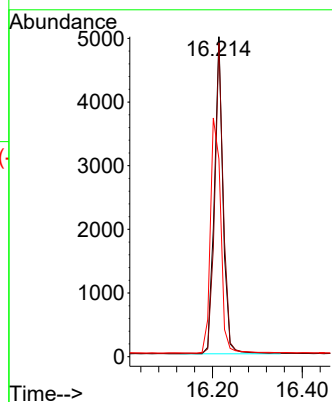
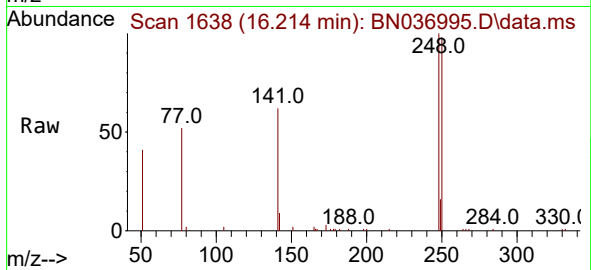




#21
4-Bromophenyl-phenylether
Concen: 1.561 ng
RT: 16.214 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

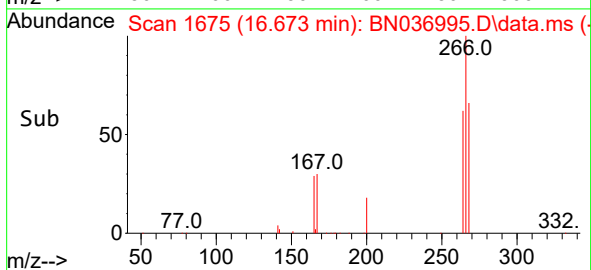
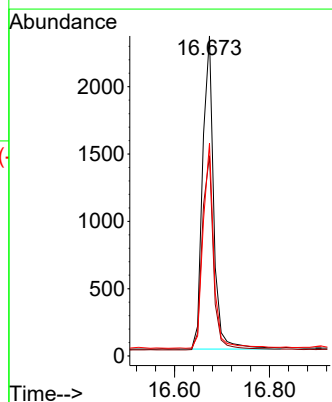
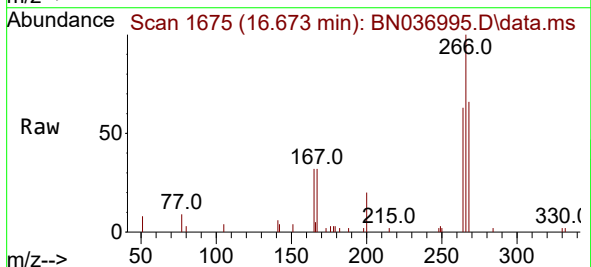
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOILD

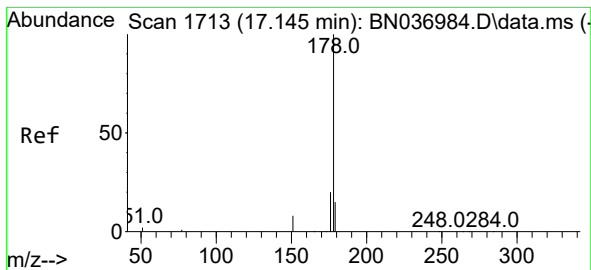
Tgt Ion:248 Resp: 6629
Ion Ratio Lower Upper
248 100
250 98.1 77.8 116.8
141 61.8 63.1 94.7#



#24
Pentachlorophenol
Concen: 1.491 ng
RT: 16.673 min Scan# 1675
Delta R.T. -0.000 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

Tgt Ion:266 Resp: 3756
Ion Ratio Lower Upper
266 100
264 63.1 52.8 79.2
268 64.0 50.0 75.0





#26

Anthracene

Concen: 0.647 ng

RT: 17.145 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN036995.D

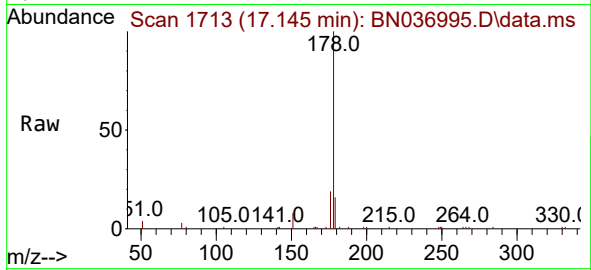
Acq: 13 May 2025 14:20

Instrument :

BNA_N

ClientSampleId :

HW0425-PT-BNA-SOILDL



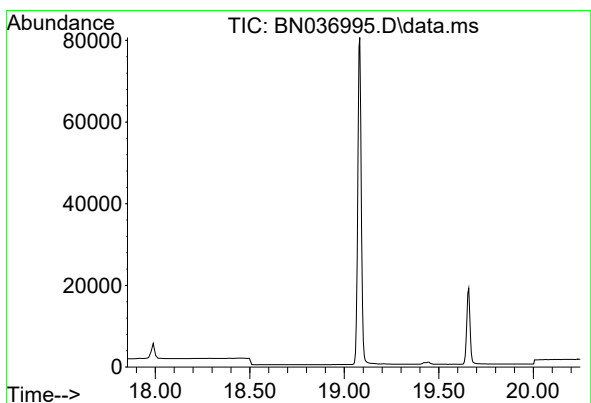
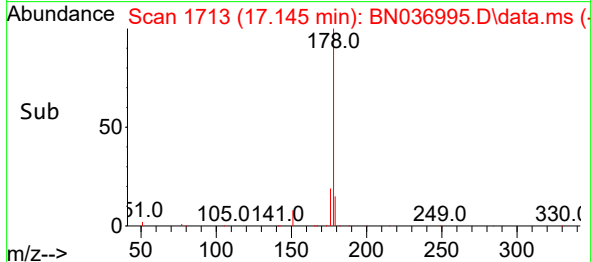
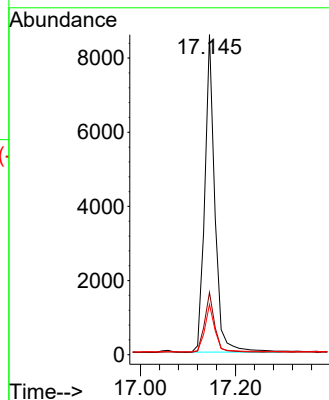
Tgt Ion:178 Resp: 12699

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.0 12.2 18.2



#27

Fluoranthene-d10

Concen: 0.000 ng

Expected RT: 19.05 min

Lab File: BN036995.D

Acq: 13 May 2025 14:20

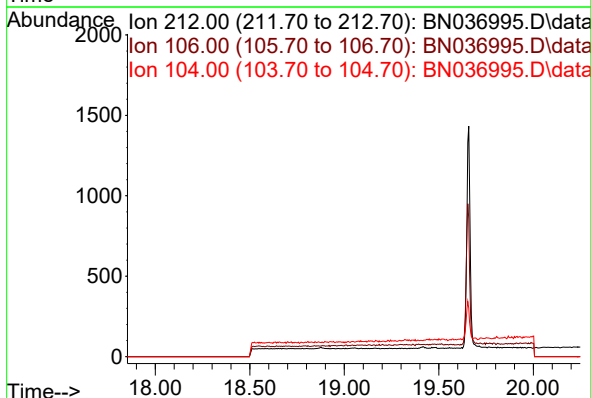
Tgt Ion: 212

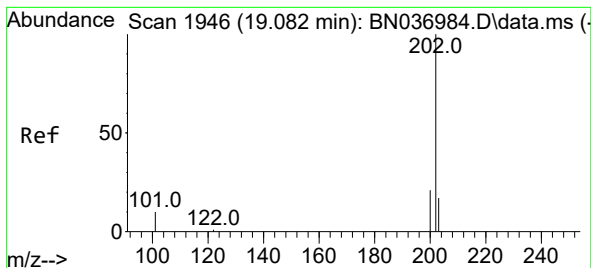
Sig Exp Ratio

212 100

106 14.1

104 8.7





#28

Fluoranthene

Concen: 2.703 ng

RT: 19.082 min Scan# 1946

Delta R.T. -0.000 min

Lab File: BN036995.D

Acq: 13 May 2025 14:20

Instrument :

BNA_N

ClientSampleId :

HW0425-PT-BNA-SOILDL

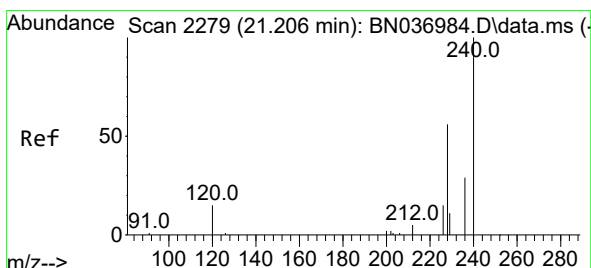
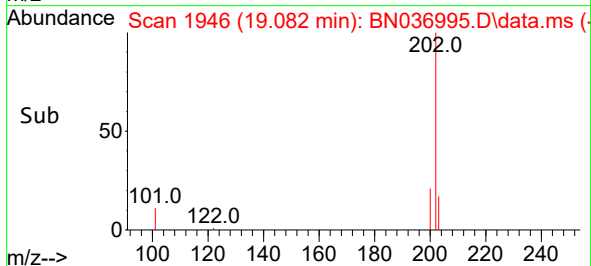
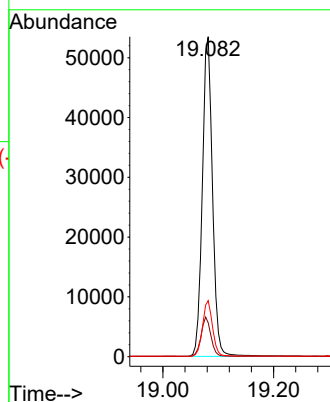
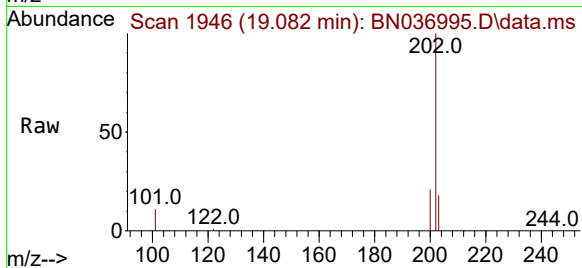
Tgt Ion:202 Resp: 68387

Ion Ratio Lower Upper

202 100

101 11.8 8.6 12.8

203 17.3 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: BN036995.D

Acq: 13 May 2025 14:20

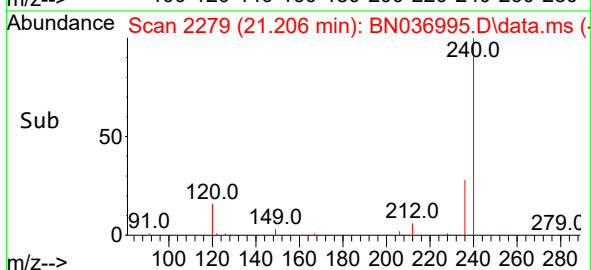
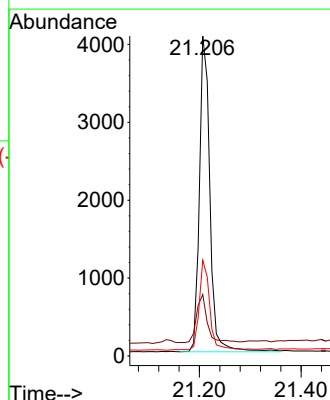
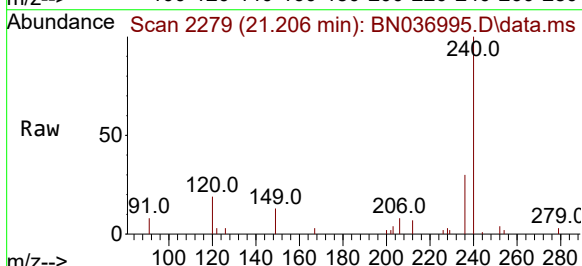
Tgt Ion:240 Resp: 5786

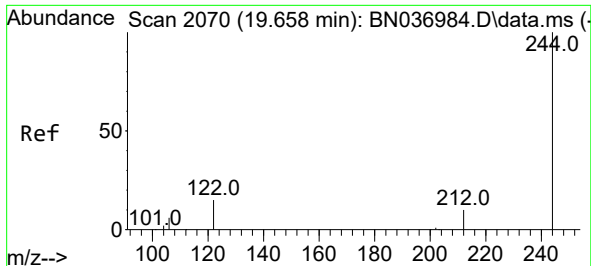
Ion Ratio Lower Upper

240 100

120 19.2 14.5 21.7

236 29.9 24.3 36.5

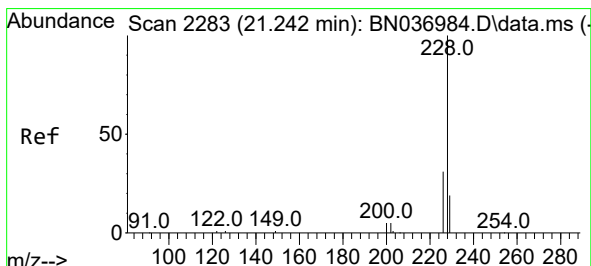
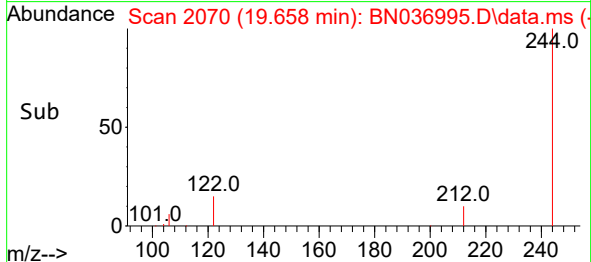
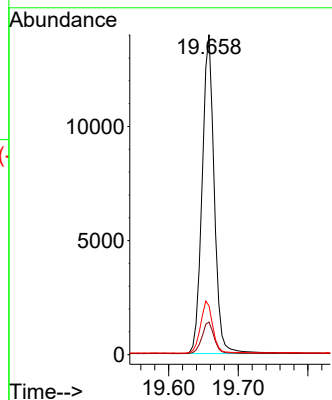
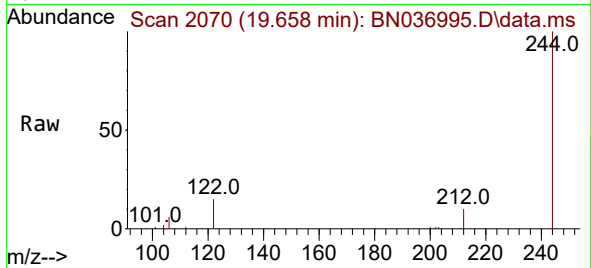




#31
 Terphenyl-d14
 Concen: 1.288 ng
 RT: 19.658 min Scan# 2070
 Delta R.T. -0.000 min
 Lab File: BN036995.D
 Acq: 13 May 2025 14:20

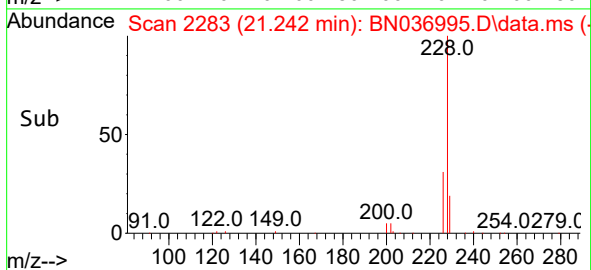
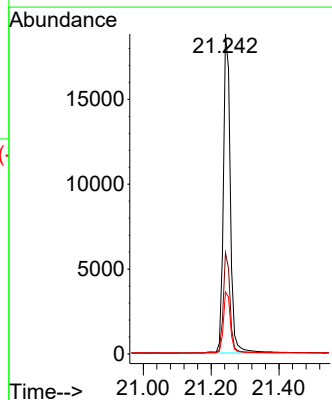
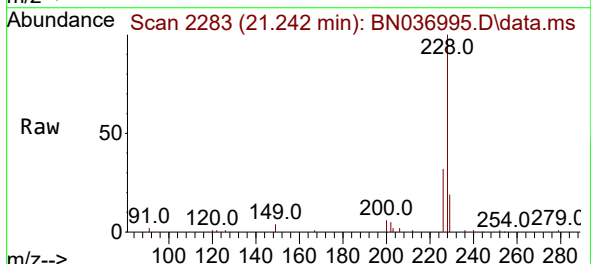
Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-BNA-SOILD

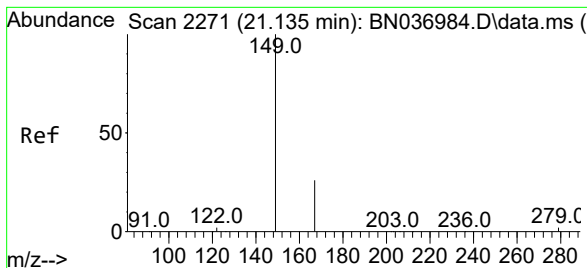
Tgt Ion:244 Resp: 16875
 Ion Ratio Lower Upper
 244 100
 212 10.2 9.5 14.3
 122 15.3 13.4 20.0



#33
 Chrysene
 Concen: 1.170 ng
 RT: 21.242 min Scan# 2283
 Delta R.T. -0.000 min
 Lab File: BN036995.D
 Acq: 13 May 2025 14:20

Tgt Ion:228 Resp: 27049
 Ion Ratio Lower Upper
 228 100
 226 31.7 25.7 38.5
 229 19.4 16.0 24.0

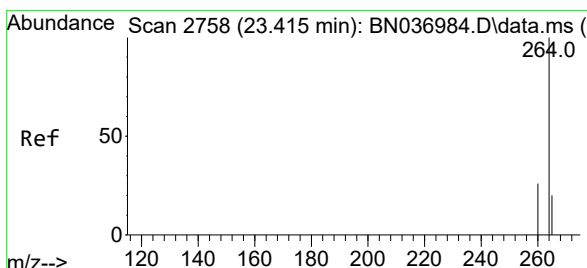
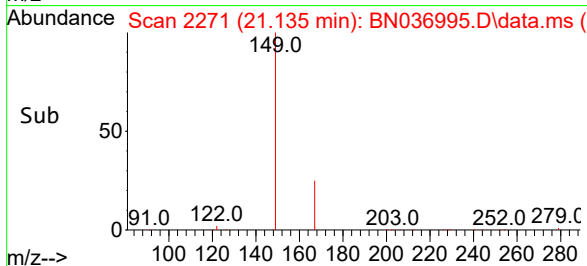
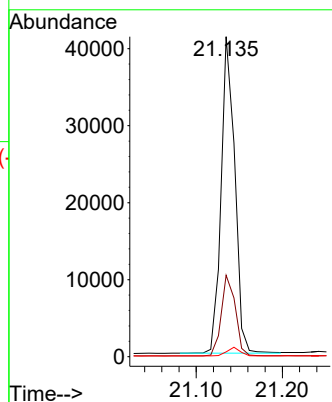
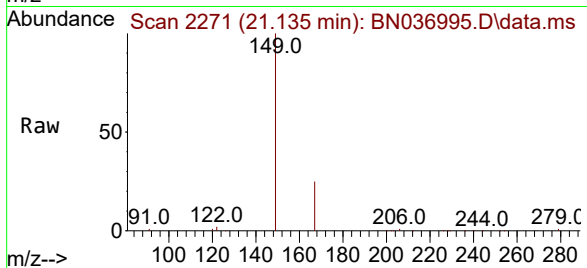




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 3.343 ng
 RT: 21.135 min Scan# 2113
 Delta R.T. -0.000 min
 Lab File: BN036995.D
 Acq: 13 May 2025 14:20

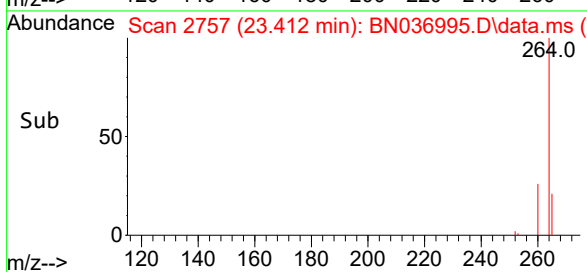
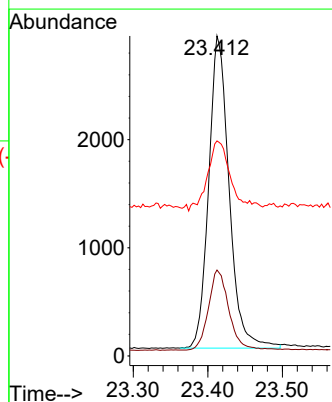
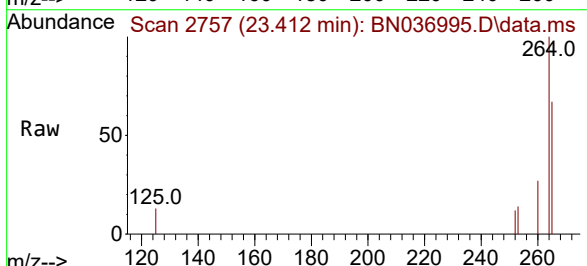
Instrument :
 BNA_N
 ClientSampleId :
 HW0425-PT-BNA-SOILDL

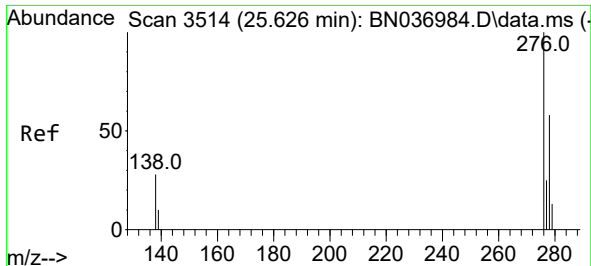
Tgt Ion:149 Resp: 45056
 Ion Ratio Lower Upper
 149 100
 167 26.2 21.0 31.6
 279 2.6 2.7 4.1#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.412 min Scan# 2757
 Delta R.T. -0.003 min
 Lab File: BN036995.D
 Acq: 13 May 2025 14:20

Tgt Ion:264 Resp: 5499
 Ion Ratio Lower Upper
 264 100
 260 26.8 22.3 33.5
 265 67.2 55.4 83.0

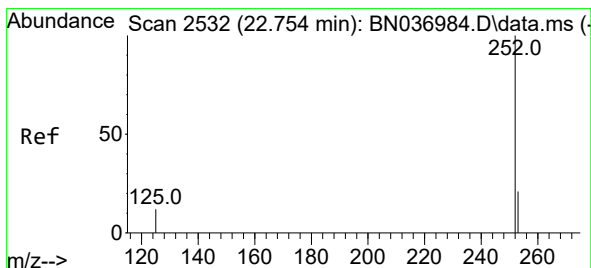
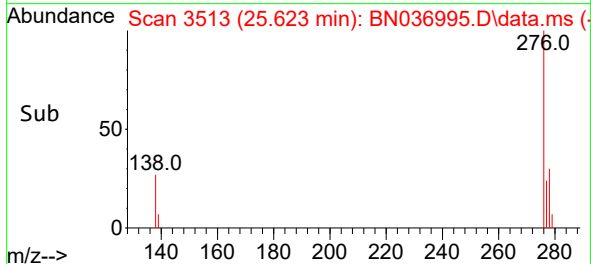
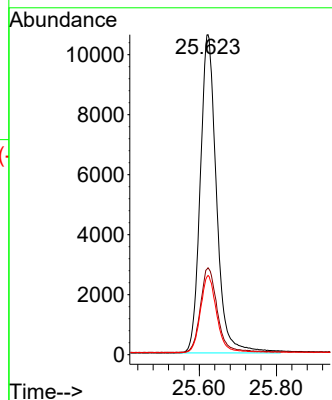
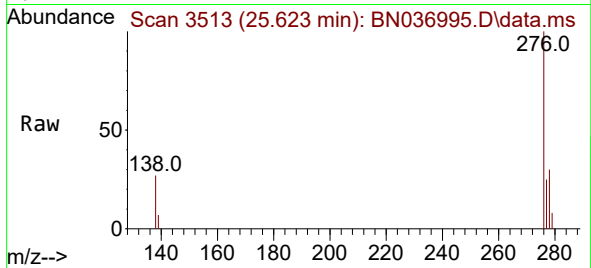




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.430 ng
RT: 25.623 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

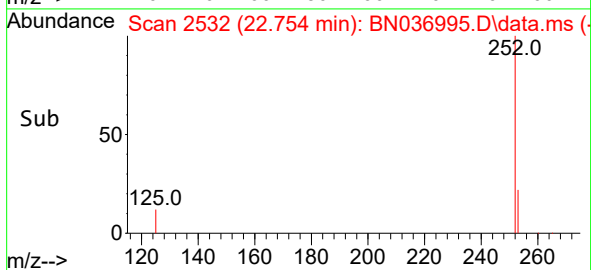
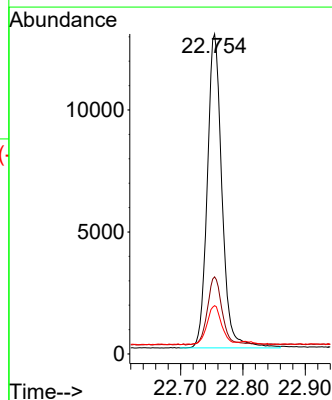
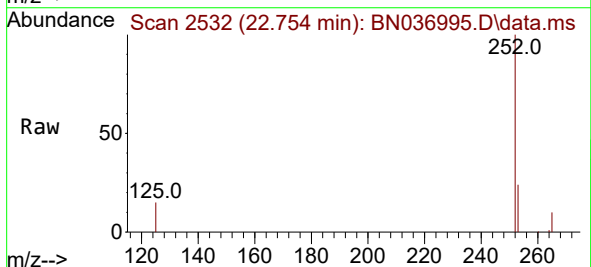
Instrument :
BNA_N
ClientSampleId :
HW0425-PT-BNA-SOILD

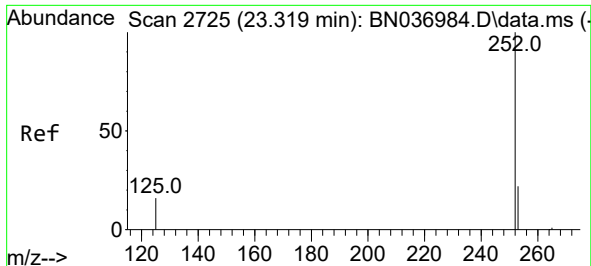
Tgt Ion:276 Resp: 31073
Ion Ratio Lower Upper
276 100
138 27.1 21.8 32.8
277 24.1 20.2 30.4



#37
Benzo(b)fluoranthene
Concen: 0.918 ng
RT: 22.754 min Scan# 2532
Delta R.T. -0.000 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

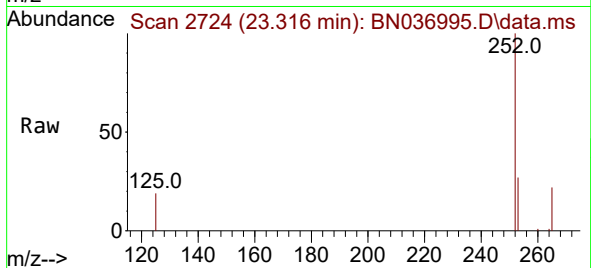
Tgt Ion:252 Resp: 21045
Ion Ratio Lower Upper
252 100
253 24.1 21.9 32.9
125 15.1 13.8 20.8



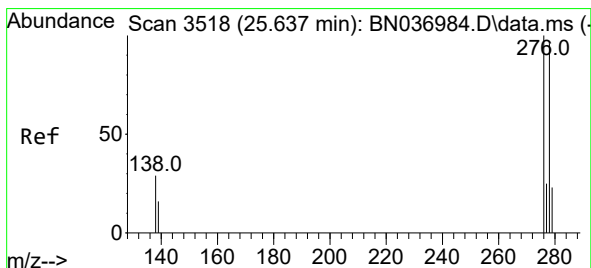
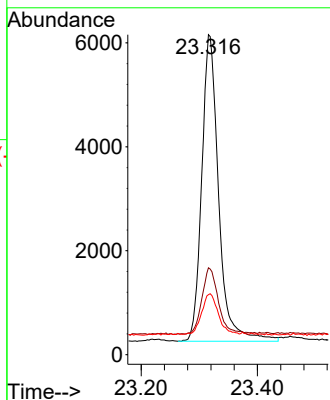
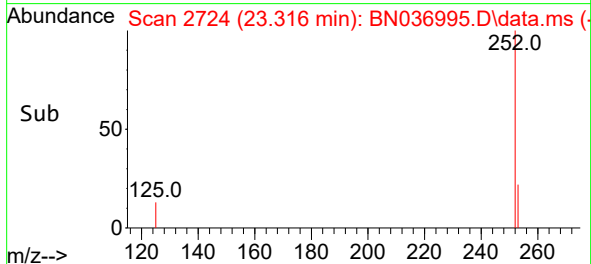


#39
Benzo(a)pyrene
Concen: 0.625 ng
RT: 23.316 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

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

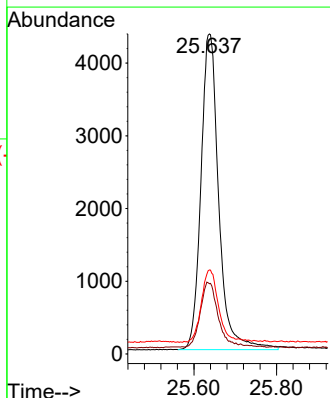
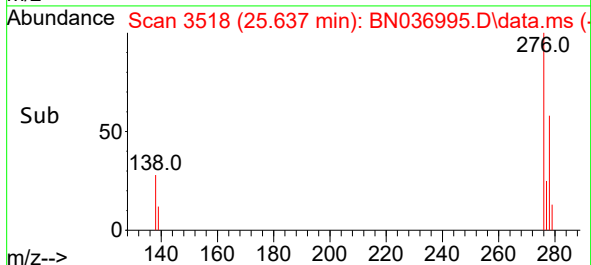
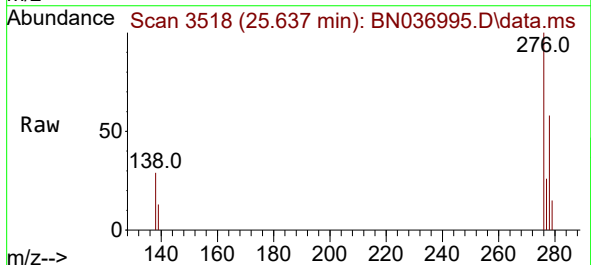


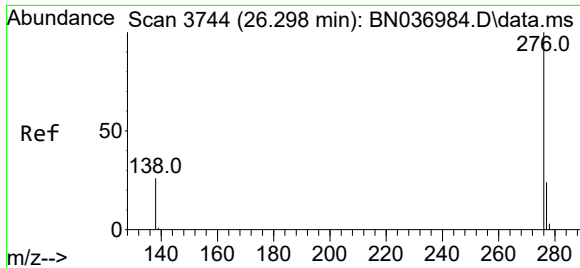
Tgt Ion:252 Resp: 11888
Ion Ratio Lower Upper
252 100
253 27.1 24.8 37.2
125 18.8 18.6 28.0



#40
Dibenzo(a,h)anthracene
Concen: 0.768 ng
RT: 25.637 min Scan# 3518
Delta R.T. -0.000 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

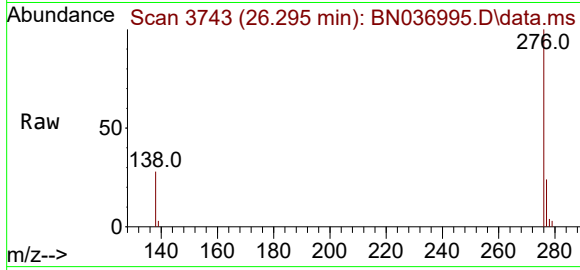
Tgt Ion:278 Resp: 13022
Ion Ratio Lower Upper
278 100
139 21.9 18.1 27.1
279 26.3 25.3 37.9





#41
Benzo(g,h,i)perylene
Concen: 0.847 ng
RT: 26.295 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN036995.D
Acq: 13 May 2025 14:20

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



Tgt Ion:	276	Resp:	15910
Ion	Ratio	Lower	Upper
276	100		
277	24.4	21.2	31.8
138	28.2	22.6	33.8

