

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103025\
 Data File : BN038126.D
 Acq On : 30 Oct 2025 17:12
 Operator : RC/JU
 Sample : Q3015-21
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 WP0925-RR-PAH-WP

Quant Time: Oct 30 17:36:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

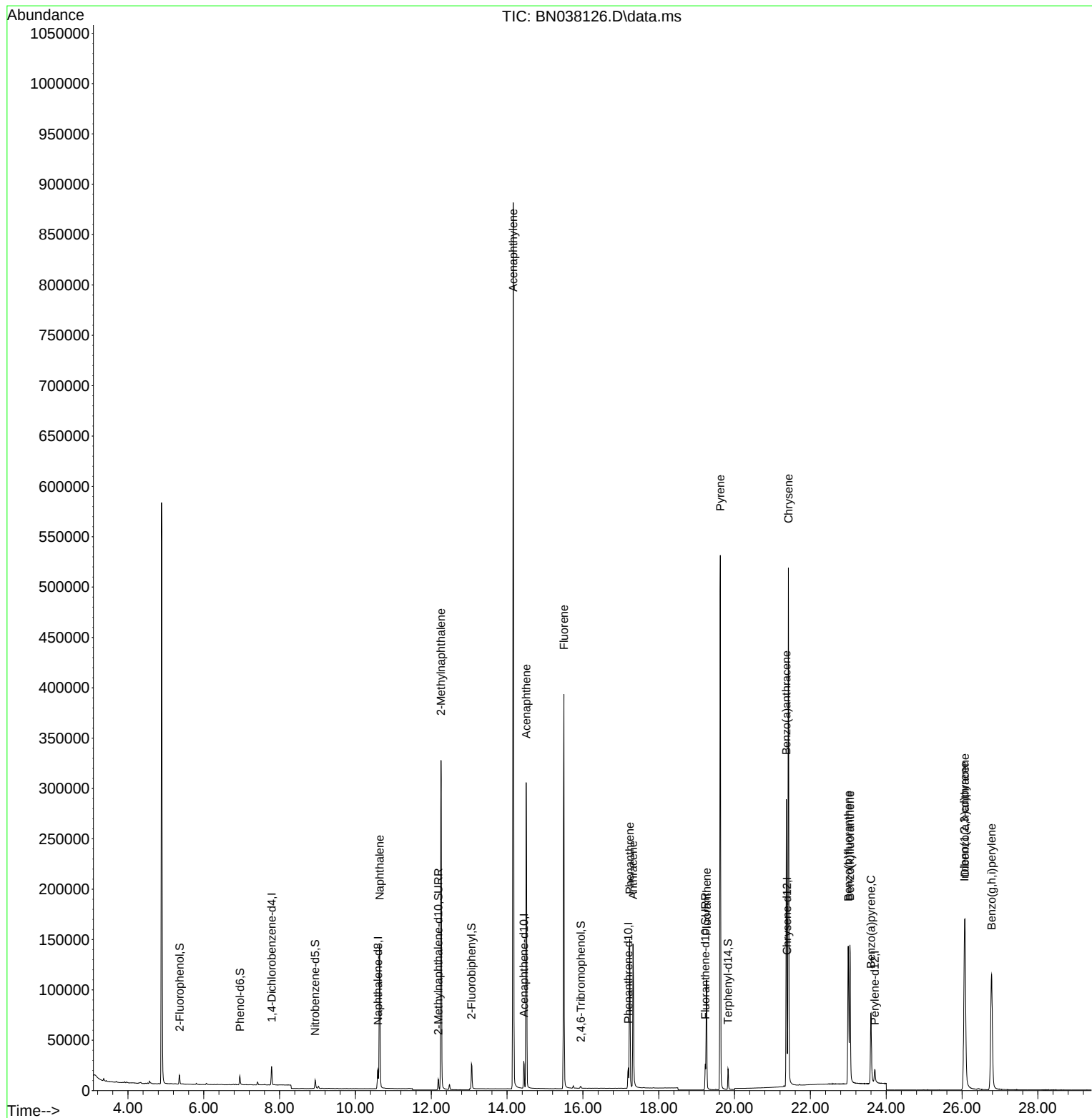
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	9481	0.400	ng	0.01
7) Naphthalene-d8	10.594	136	27884	0.400	ng	0.02
13) Acenaphthene-d10	14.441	164	16035	0.400	ng	0.01
19) Phenanthrene-d10	17.198	188	30308	0.400	ng	# 0.01
29) Chrysene-d12	21.384	240	26836	0.400	ng	0.00
35) Perylene-d12	23.701	264	20527	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.363	112	7441	0.333	ng	0.01
5) Phenol-d6	6.952	99	9069	0.333	ng	0.01
8) Nitrobenzene-d5	8.939	82	7852	0.349	ng	0.01
11) 2-Methylnaphthalene-d10	12.187	152	14909	0.374	ng	0.01
14) 2,4,6-Tribromophenol	15.945	330	1305	0.198	ng	0.01
15) 2-Fluorobiphenyl	13.062	172	24042	0.374	ng	0.01
27) Fluoranthene-d10	19.229	212	28454	0.372	ng	0.00
31) Terphenyl-d14	19.829	244	20906	0.359	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.637	128	189573	2.468	ng	99
12) 2-Methylnaphthalene	12.258	142	241440	4.714	ng	99
16) Acenaphthylene	14.163	152	895777	12.336	ng	100
17) Acenaphthene	14.505	154	146903	2.891	ng	98
18) Fluorene	15.499	166	236881	3.557	ng	98
25) Phenanthrene	17.235	178	148698	1.545	ng	100
26) Anthracene	17.322	178	169797	2.017	ng	100
28) Fluoranthene	19.262	202	105890	0.985	ng	100
30) Pyrene	19.624	202	463023	3.822	ng	99
32) Benzo(a)anthracene	21.366	228	236306	2.468	ng	99
33) Chrysene	21.420	228	429386	4.133	ng	100
36) Indeno(1,2,3-cd)pyrene	26.066	276	144095	1.709	ng	# 88
37) Benzo(b)fluoranthene	22.999	252	183673	2.093	ng	# 91
38) Benzo(k)fluoranthene	23.046	252	190347	2.155	ng	# 89
39) Benzo(a)pyrene	23.598	252	112636	1.603	ng	# 86
40) Dibenzo(a,h)anthracene	26.078	278	252970	3.898	ng	92
41) Benzo(g,h,i)perylene	26.779	276	259947	3.507	ng	98

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

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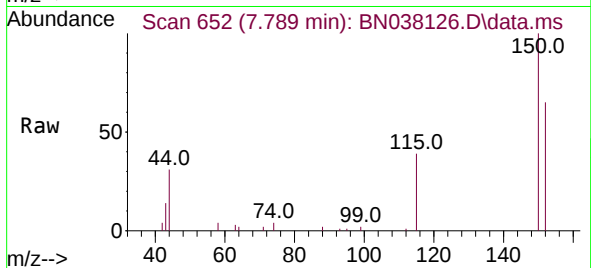
Quant Time: Oct 30 17:36:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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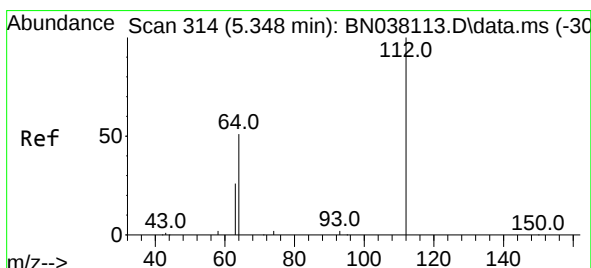
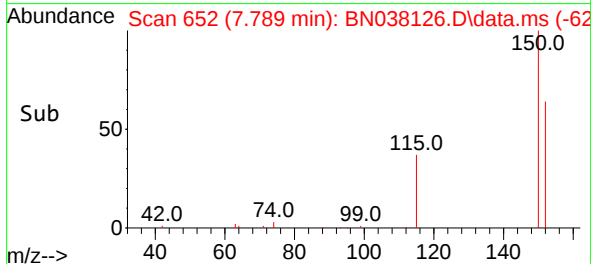
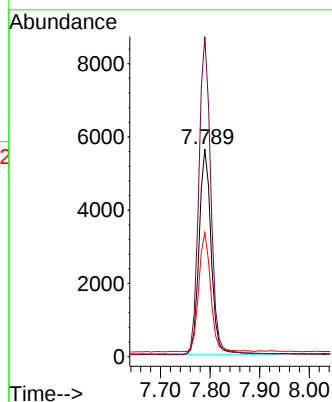


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.789 min Scan# 61
 Delta R.T. 0.014 min
 Lab File: BN038126.D
 Acq: 30 Oct 2025 17:12

Instrument :
 BNA_N
 ClientSampleId :
 WP0925-RR-PAH-WP

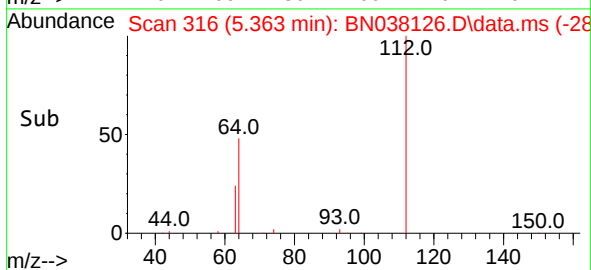
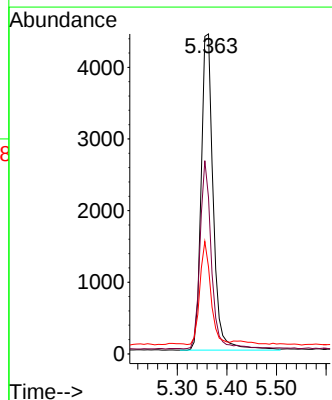
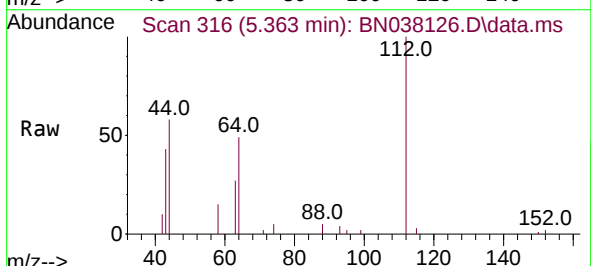


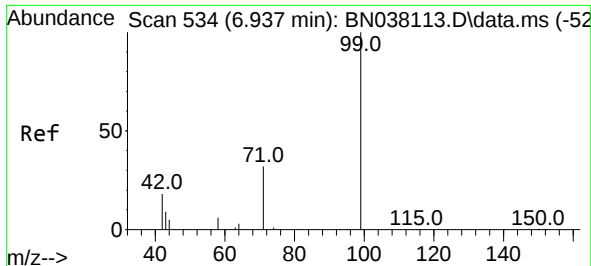
Tgt Ion:152 Resp: 9481
 Ion Ratio Lower Upper
 152 100
 150 154.2 122.3 183.5
 115 59.7 47.4 71.0



#4
 2-Fluorophenol
 Concen: 0.333 ng
 RT: 5.363 min Scan# 316
 Delta R.T. 0.014 min
 Lab File: BN038126.D
 Acq: 30 Oct 2025 17:12

Tgt Ion:112 Resp: 7441
 Ion Ratio Lower Upper
 112 100
 64 56.6 45.4 68.0
 63 29.6 23.2 34.8

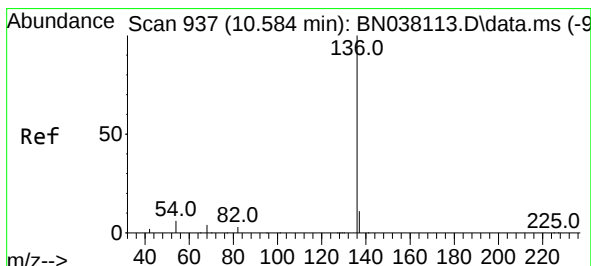
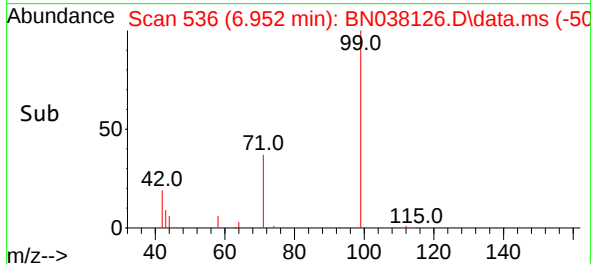
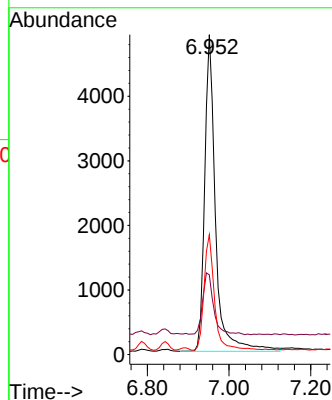
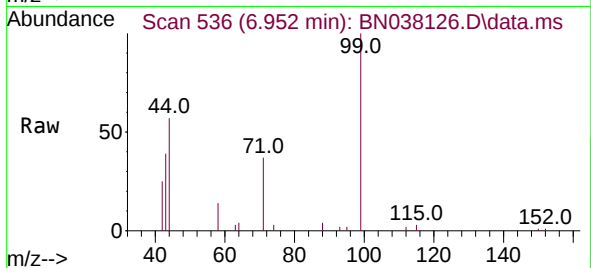




#5
Phenol-d6
Concen: 0.333 ng
RT: 6.952 min Scan# 534
Delta R.T. 0.014 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

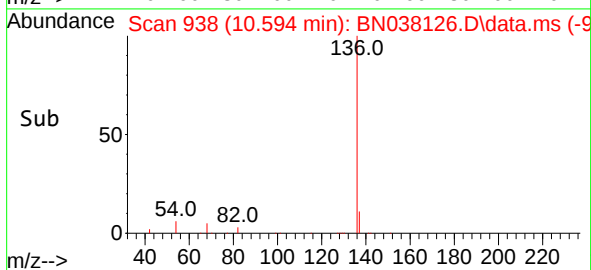
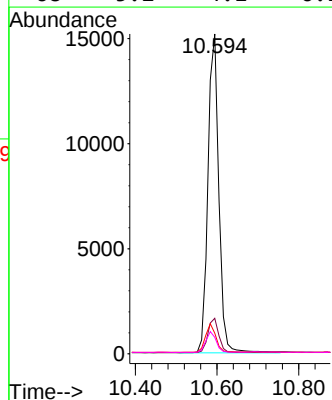
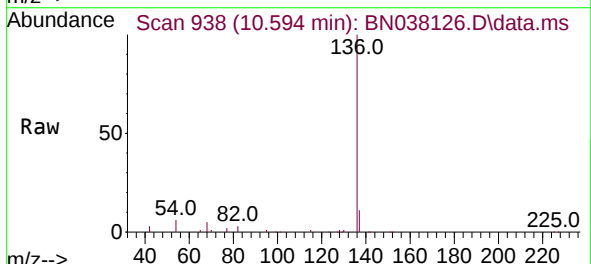
Instrument :
BNA_N
ClientSampleId :
WP0925-RR-PAH-WP

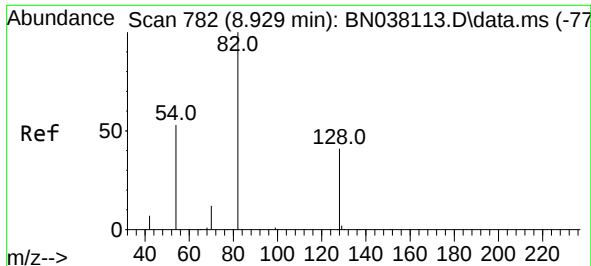
Tgt Ion: 99 Resp: 9069
Ion Ratio Lower Upper
99 100
42 19.9 16.6 24.8
71 35.1 25.4 38.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. 0.021 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion: 136 Resp: 27884
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.5 5.2 7.8
68 5.2 4.1 6.1

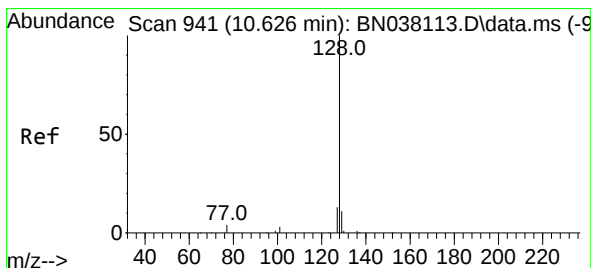
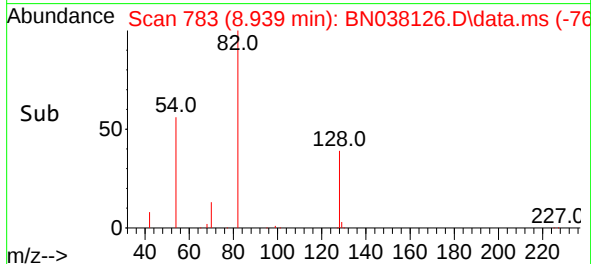
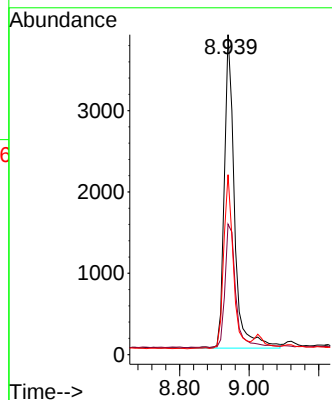
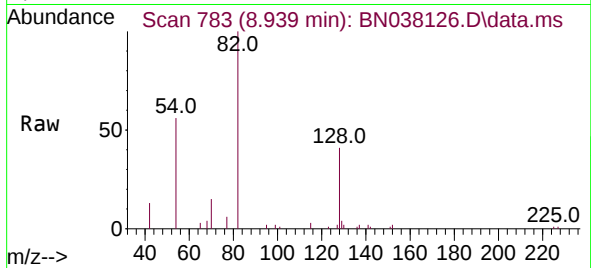




#8
Nitrobenzene-d5
Concen: 0.349 ng
RT: 8.939 min Scan# 782
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

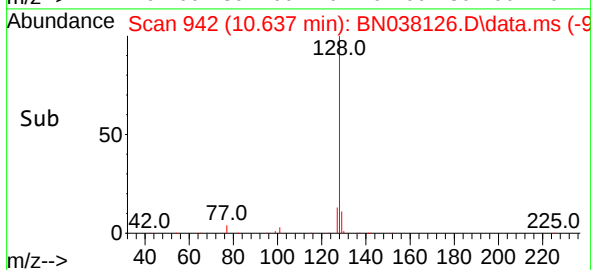
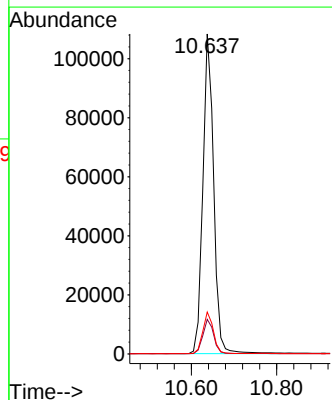
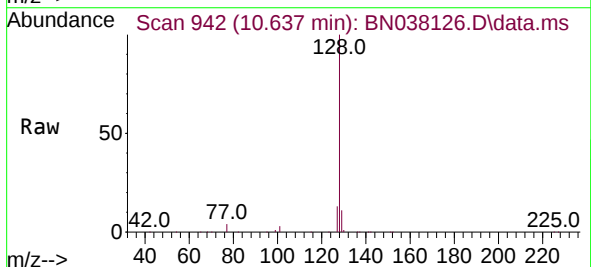
Instrument :
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ClientSampleId :
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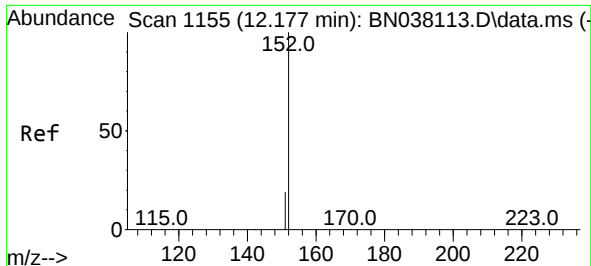
Tgt Ion: 82 Resp: 7852
Ion Ratio Lower Upper
82 100
128 40.8 34.1 51.1
54 56.2 43.5 65.3



#9
Naphthalene
Concen: 2.468 ng
RT: 10.637 min Scan# 942
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion: 128 Resp: 189573
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.1 10.5 15.7

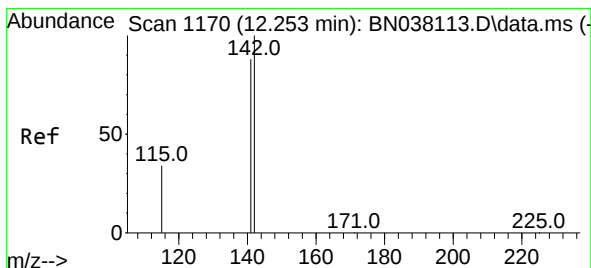
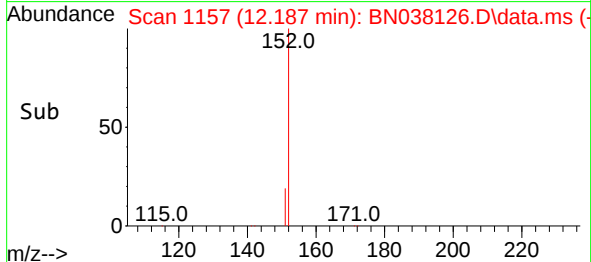
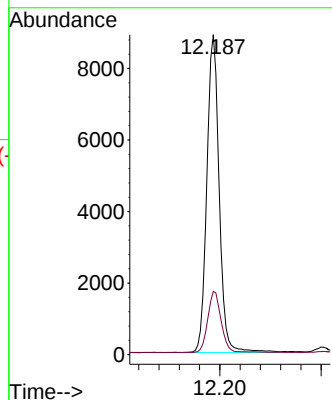
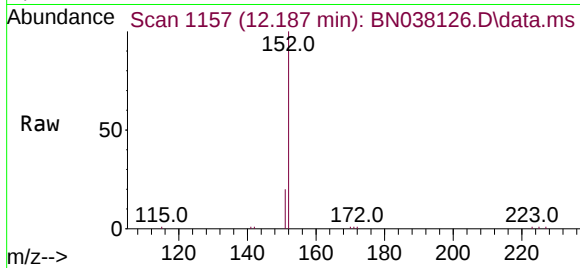




#11
2-Methylnaphthalene-d10
Concen: 0.374 ng
RT: 12.187 min Scan# 1155
Delta R.T. 0.010 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

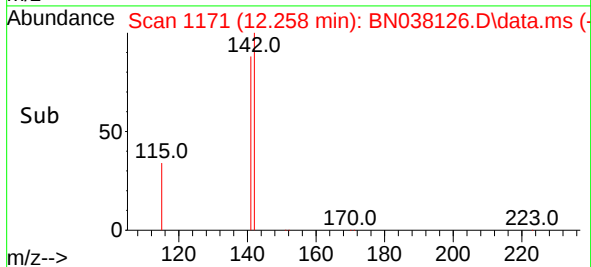
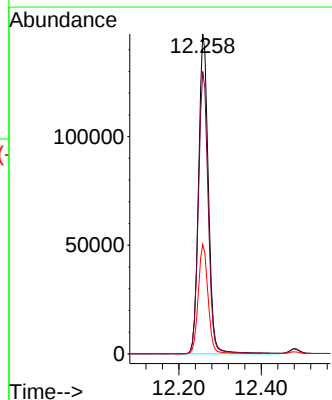
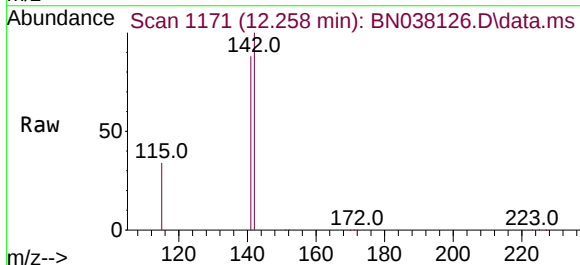
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ClientSampleId :
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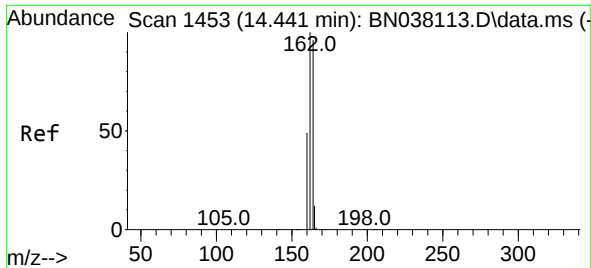
Tgt Ion:152 Resp: 14909
Ion Ratio Lower Upper
152 100
151 21.1 16.8 25.2



#12
2-Methylnaphthalene
Concen: 4.714 ng
RT: 12.258 min Scan# 1171
Delta R.T. 0.010 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:142 Resp: 241440
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5
115 34.2 27.8 41.6

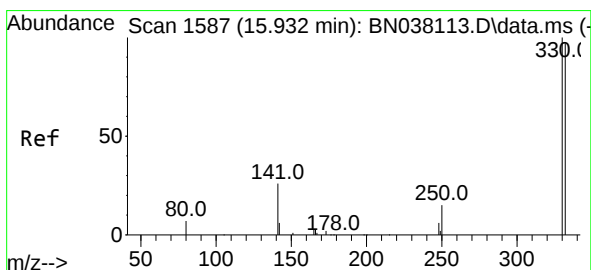
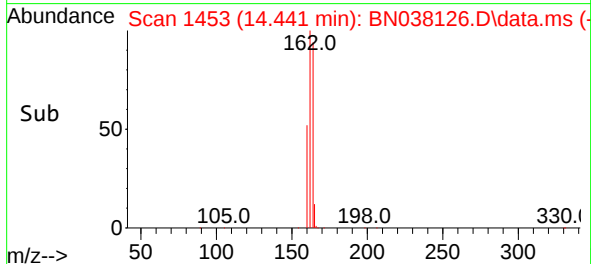
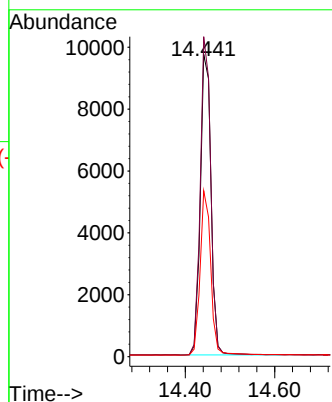
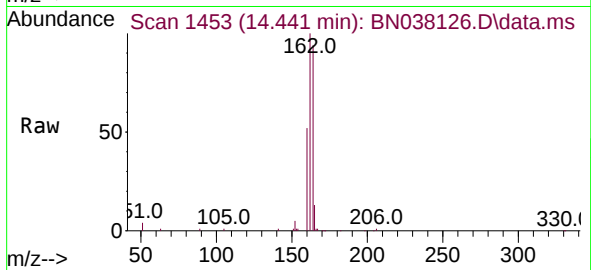




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.441 min Scan# 1453
 Delta R.T. 0.011 min
 Lab File: BN038126.D
 Acq: 30 Oct 2025 17:12

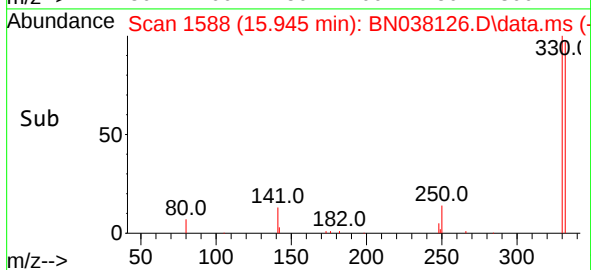
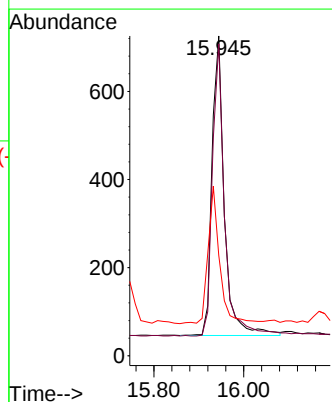
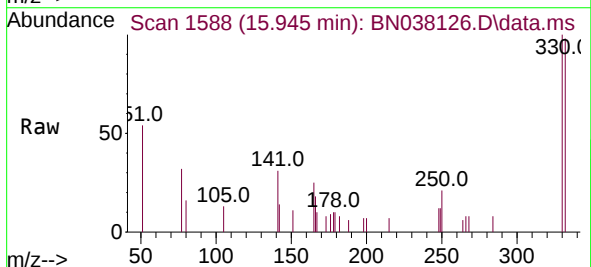
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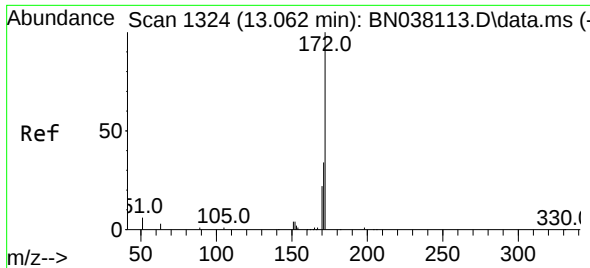
Tgt Ion:	164	Resp:	16035
Ion	Ratio	Lower	Upper
164	100		
162	105.9	83.0	124.4
160	54.9	40.7	61.1



#14
 2,4,6-Tribromophenol
 Concen: 0.198 ng
 RT: 15.945 min Scan# 1588
 Delta R.T. 0.013 min
 Lab File: BN038126.D
 Acq: 30 Oct 2025 17:12

Tgt Ion:	330	Resp:	1305
Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	114.8
141	43.0	34.1	51.1

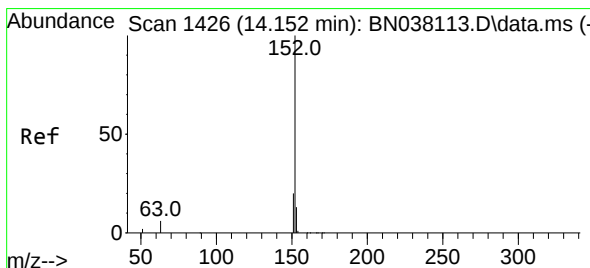
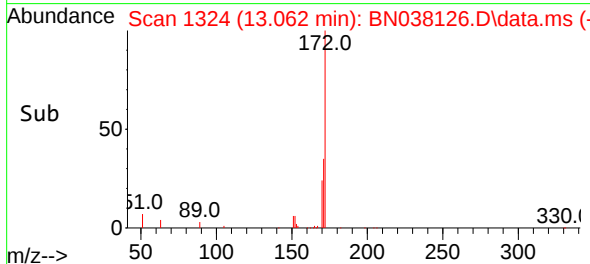
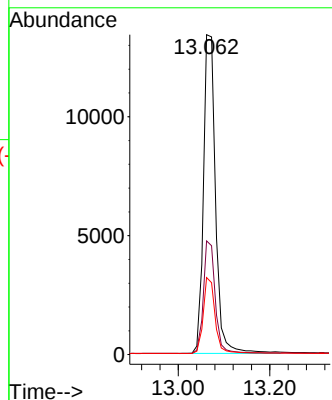
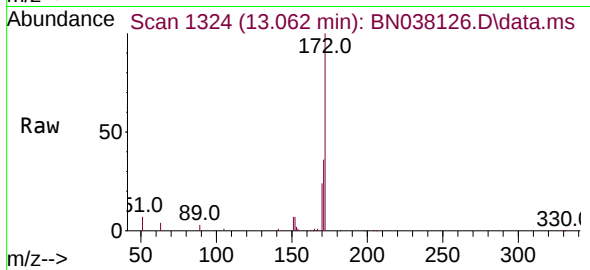




#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

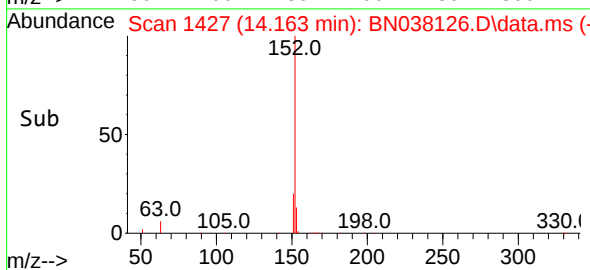
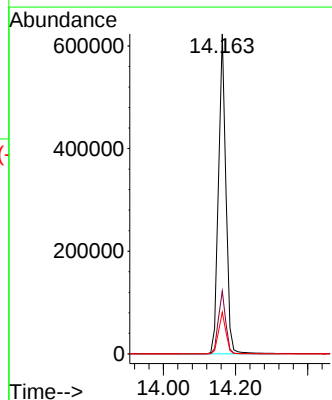
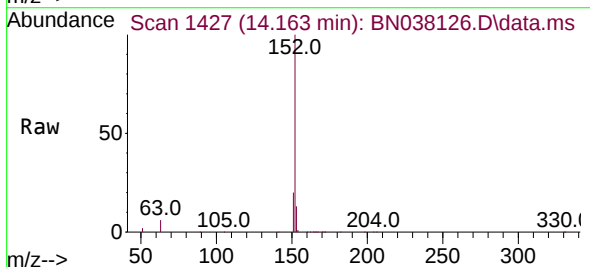
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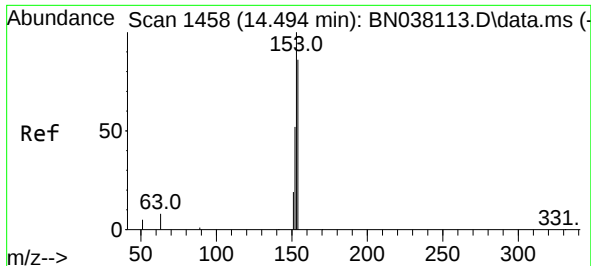
Tgt Ion:	172	Resp:	24042
Ion Ratio	Lower	Upper	
172	100		
171	35.5	27.8	41.6
170	24.1	18.1	27.1



#16
Acenaphthylene
Concen: 12.336 ng
RT: 14.163 min Scan# 1427
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:	152	Resp:	895777
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.8	23.8
153	13.0	10.2	15.2

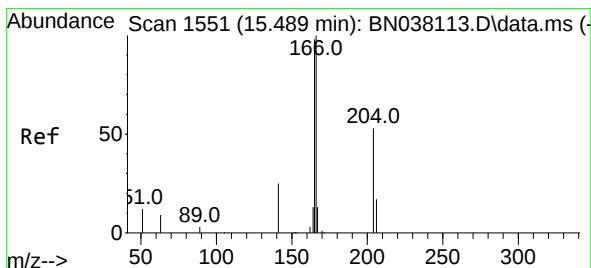
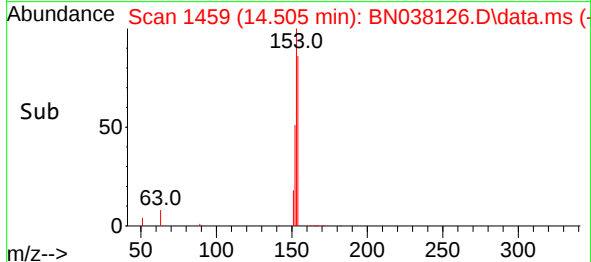
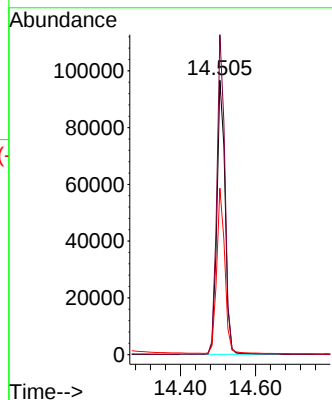
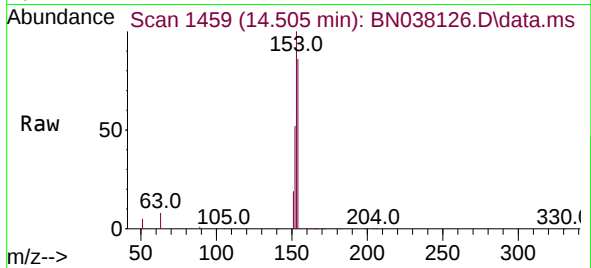




#17
Acenaphthene
Concen: 2.891 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

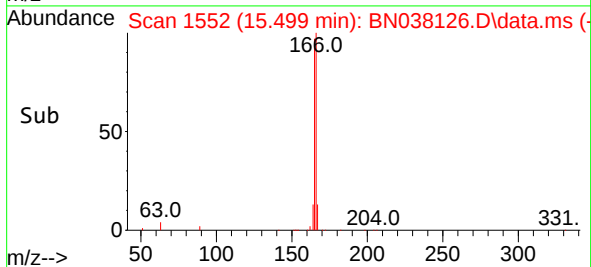
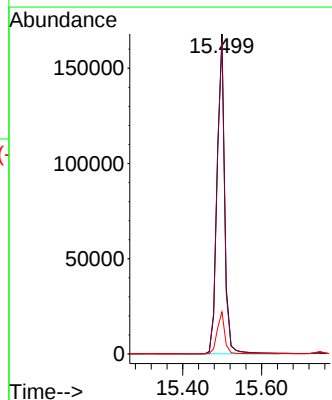
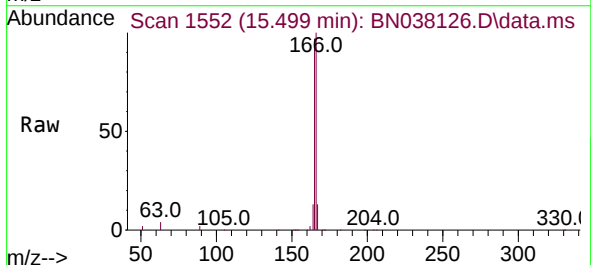
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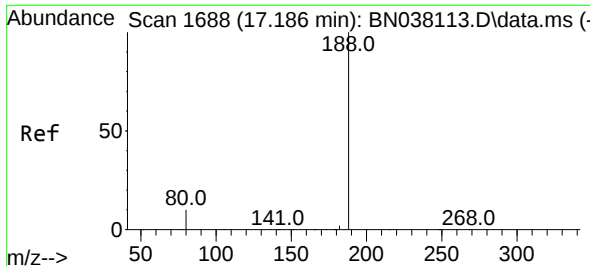
Tgt Ion:154 Resp: 146903
Ion Ratio Lower Upper
154 100
153 114.9 90.0 135.0
152 59.5 47.3 70.9



#18
Fluorene
Concen: 3.557 ng
RT: 15.499 min Scan# 1552
Delta R.T. 0.010 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:166 Resp: 236881
Ion Ratio Lower Upper
166 100
165 100.3 79.0 118.4
167 13.1 10.7 16.1

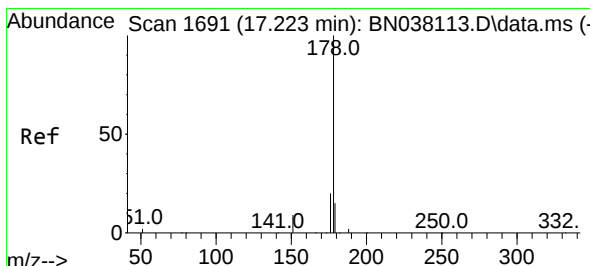
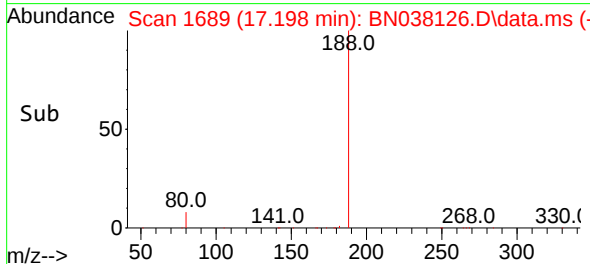
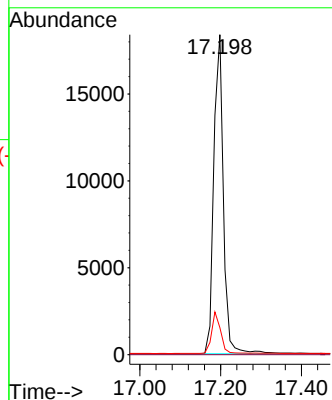
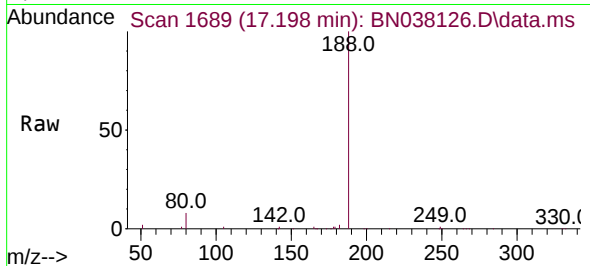




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.198 min Scan# 1688
Delta R.T. 0.012 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

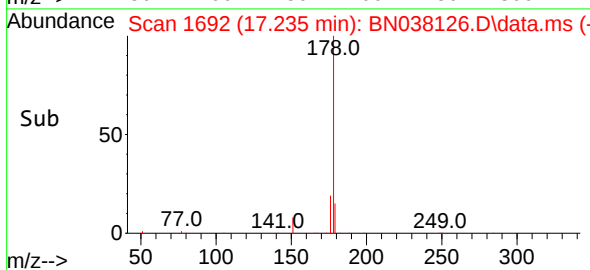
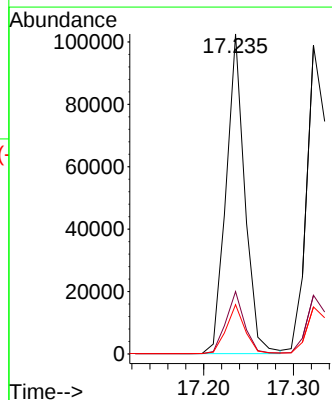
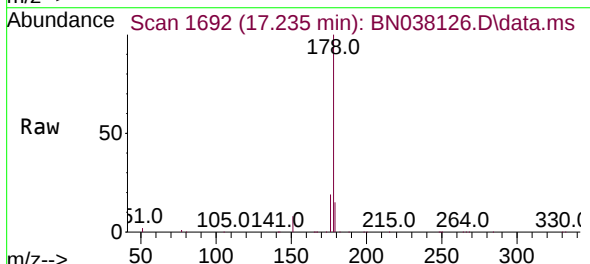
Instrument :
BNA_N
ClientSampleId :
WP0925-RR-PAH-WP

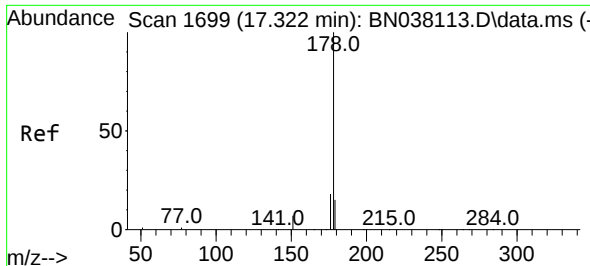
Tgt Ion:188 Resp: 30308
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 8.6 13.0#



#25
Phenanthrene
Concen: 1.545 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:178 Resp: 148698
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.3 12.2 18.4

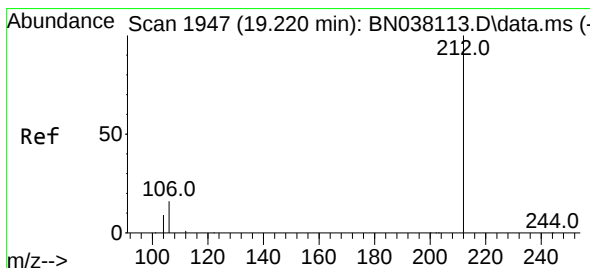
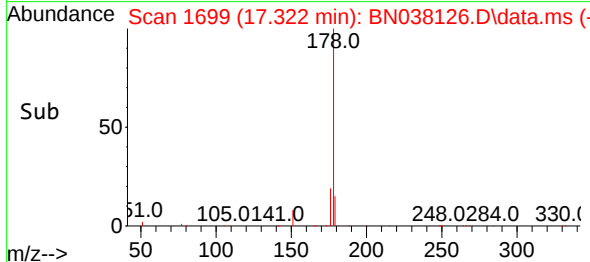
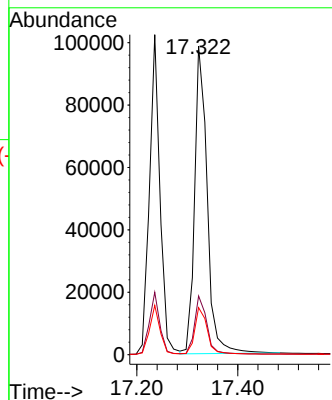
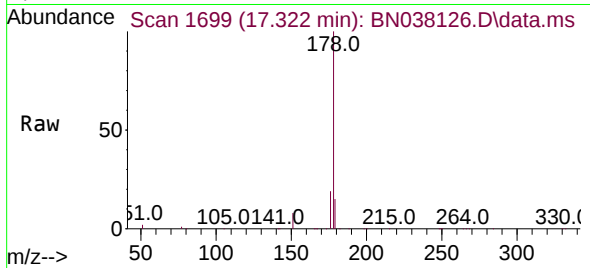




#26
 Anthracene
 Concen: 2.017 ng
 RT: 17.322 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: BN038126.D
 Acq: 30 Oct 2025 17:12

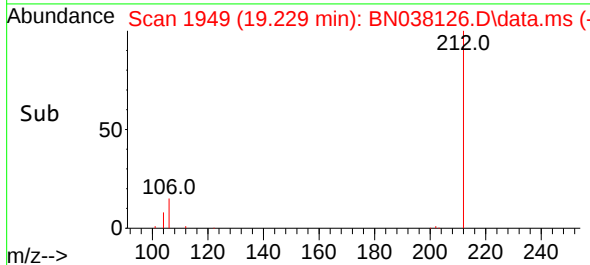
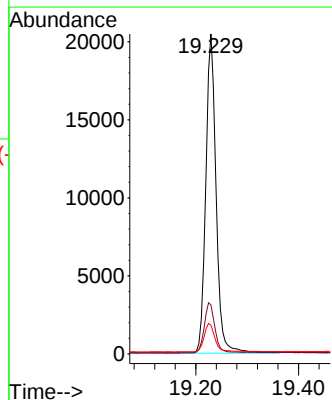
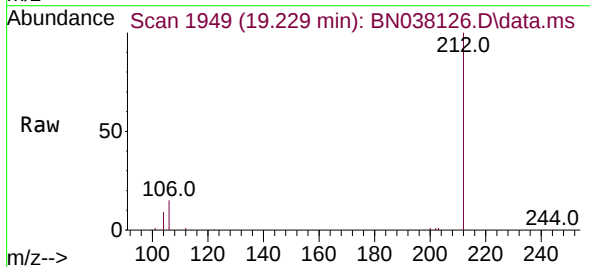
Instrument :
 BNA_N
 ClientSampleId :
 WP0925-RR-PAH-WP

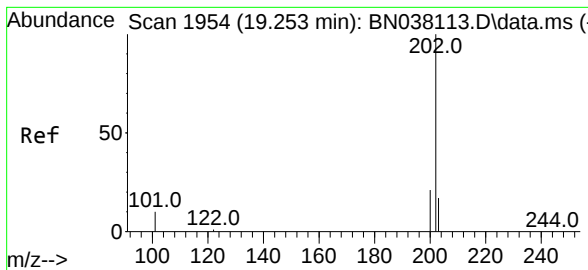
Tgt Ion:178 Resp: 169797
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 15.2 11.8 17.8



#27
 Fluoranthene-d10
 Concen: 0.372 ng
 RT: 19.229 min Scan# 1949
 Delta R.T. 0.009 min
 Lab File: BN038126.D
 Acq: 30 Oct 2025 17:12

Tgt Ion:212 Resp: 28454
 Ion Ratio Lower Upper
 212 100
 106 16.0 12.6 19.0
 104 9.4 7.1 10.7

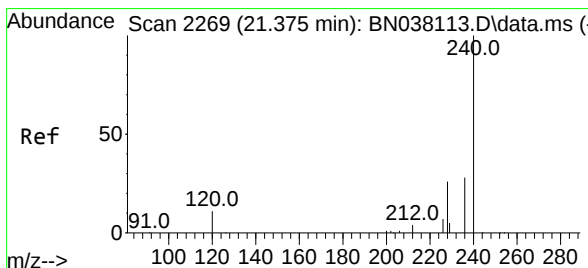
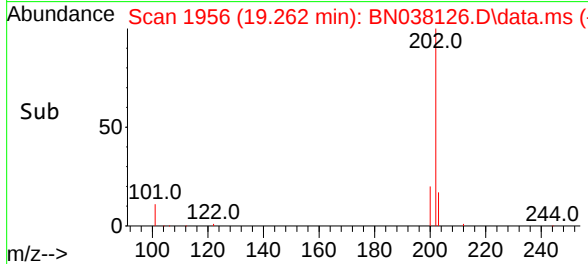
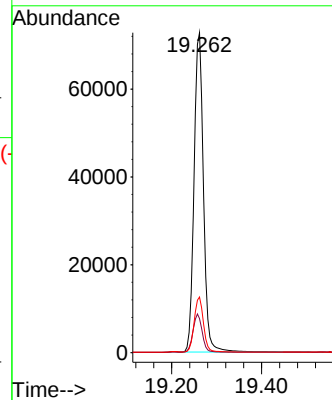
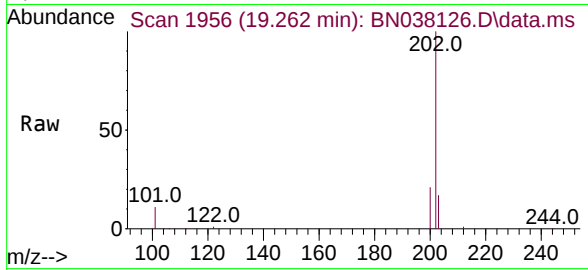




#28
Fluoranthene
Concen: 0.985 ng
RT: 19.262 min Scan# 19
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

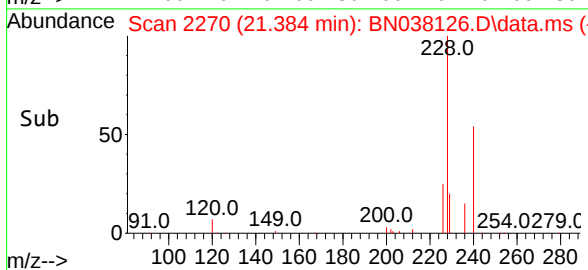
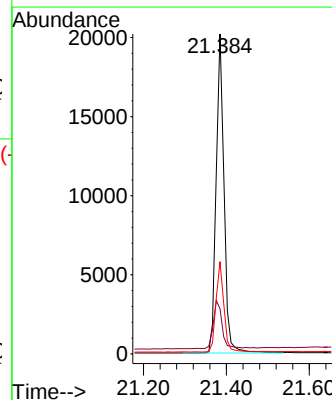
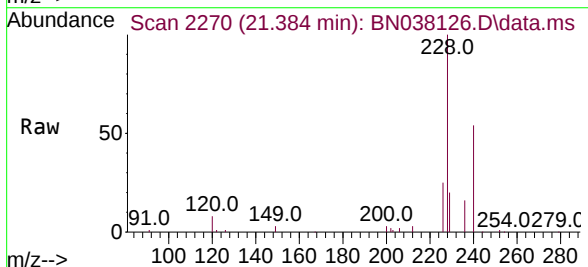
Instrument :
BNA_N
ClientSampleId :
WP0925-RR-PAH-WP

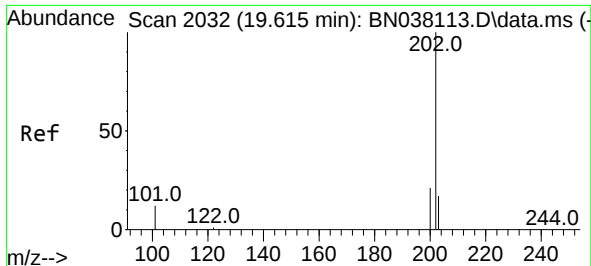
Tgt Ion:202 Resp: 105890
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.2
203 16.9 13.4 20.2



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:240 Resp: 26836
Ion Ratio Lower Upper
240 100
120 14.1 10.7 16.1
236 28.8 23.1 34.7

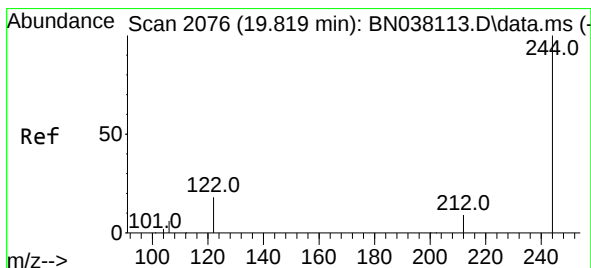
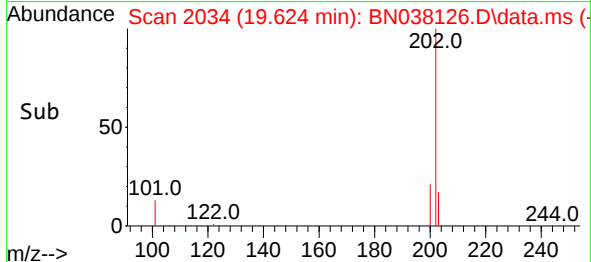
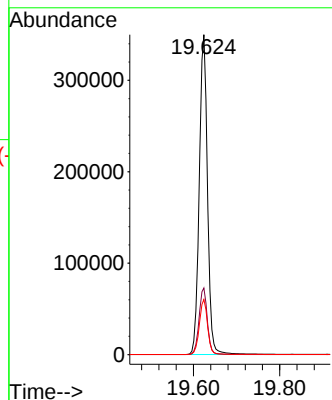
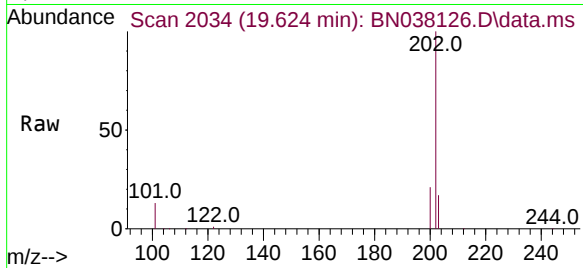




#30
 Pyrene
 Concen: 3.822 ng
 RT: 19.624 min Scan# 2034
 Delta R.T. 0.014 min
 Lab File: BN038126.D
 Acq: 30 Oct 2025 17:12

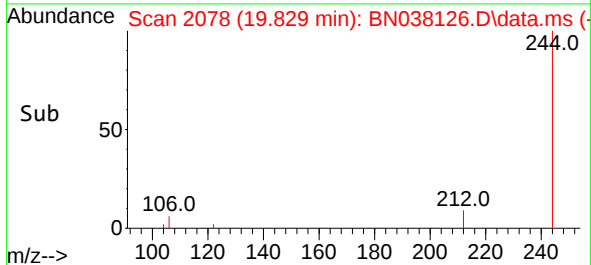
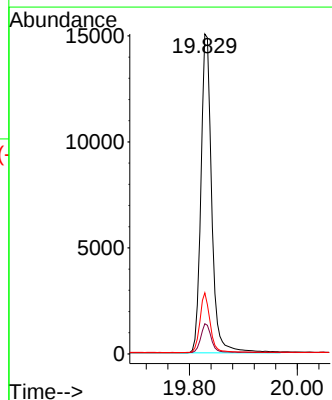
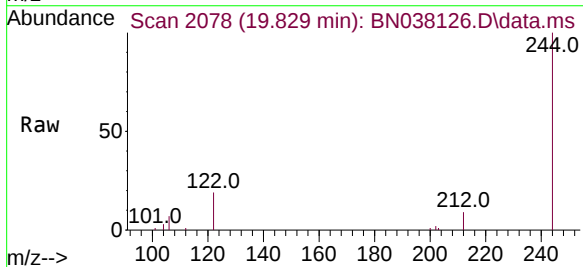
Instrument :
 BNA_N
 ClientSampleId :
 WP0925-RR-PAH-WP

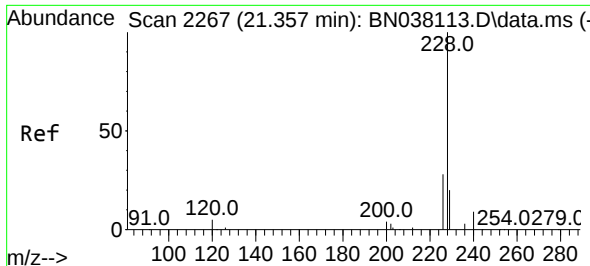
Tgt Ion:202 Resp: 463023
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.7 25.1
 203 17.3 14.2 21.2



#31
 Terphenyl-d14
 Concen: 0.359 ng
 RT: 19.829 min Scan# 2078
 Delta R.T. 0.009 min
 Lab File: BN038126.D
 Acq: 30 Oct 2025 17:12

Tgt Ion:244 Resp: 20906
 Ion Ratio Lower Upper
 244 100
 212 9.4 7.8 11.6
 122 19.1 15.2 22.8

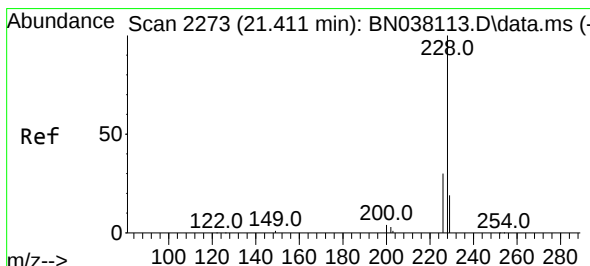
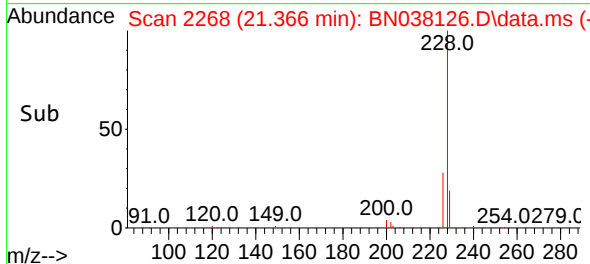
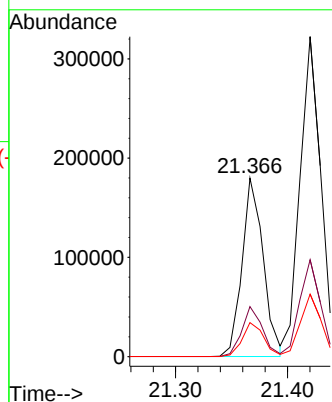
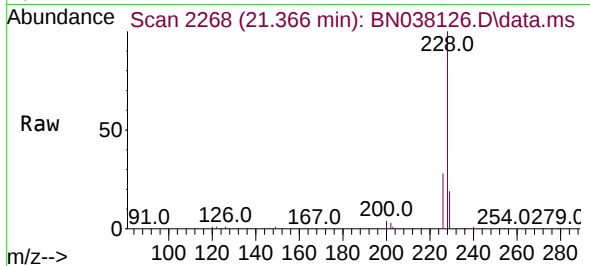




#32
Benzo(a)anthracene
Concen: 2.468 ng
RT: 21.366 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

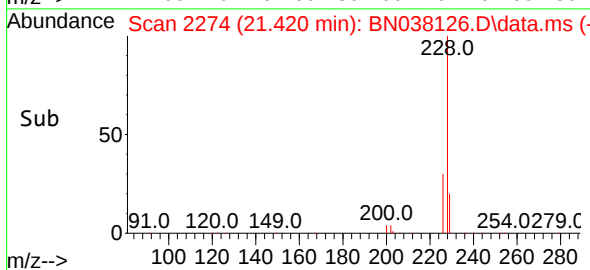
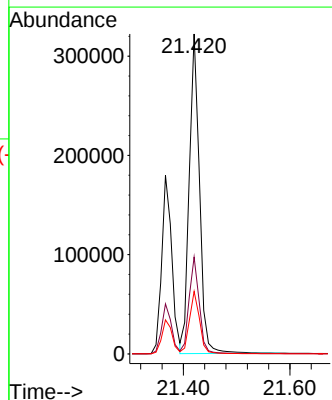
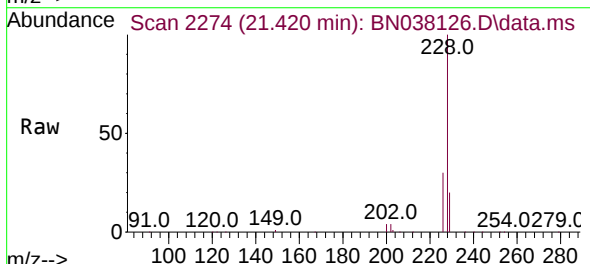
Instrument :
BNA_N
ClientSampleId :
WP0925-RR-PAH-WP

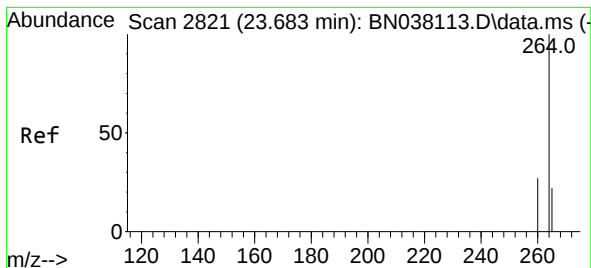
Tgt Ion:228 Resp: 236306
Ion Ratio Lower Upper
228 100
226 28.1 22.2 33.4
229 19.1 15.8 23.8



#33
Chrysene
Concen: 4.133 ng
RT: 21.420 min Scan# 2274
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:228 Resp: 429386
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 19.5 15.7 23.5





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.701 min Scan# 2821

Delta R.T. 0.020 min

Lab File: BN038126.D

Acq: 30 Oct 2025 17:12

Instrument :

BNA_N

ClientSampleId :

WP0925-RR-PAH-WP

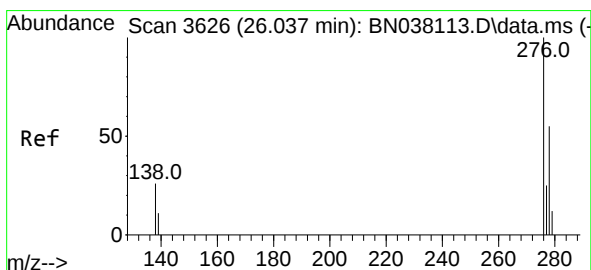
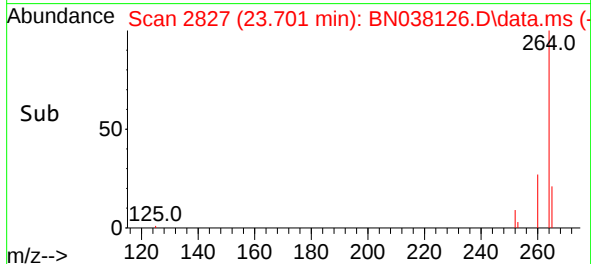
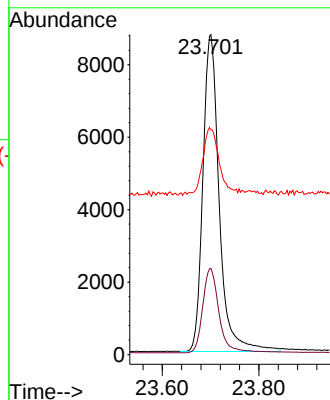
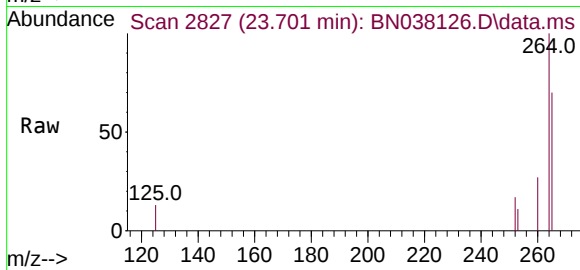
Tgt Ion:264 Resp: 20527

Ion Ratio Lower Upper

264 100

260 26.9 21.8 32.8

265 70.2 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.709 ng

RT: 26.066 min Scan# 3636

Delta R.T. 0.032 min

Lab File: BN038126.D

Acq: 30 Oct 2025 17:12

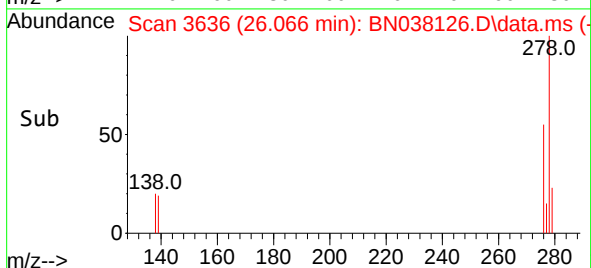
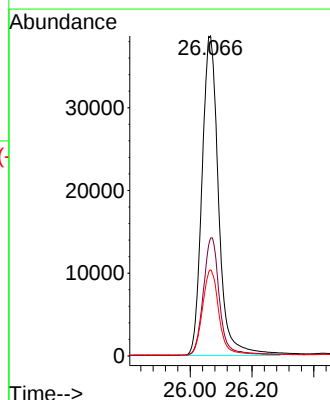
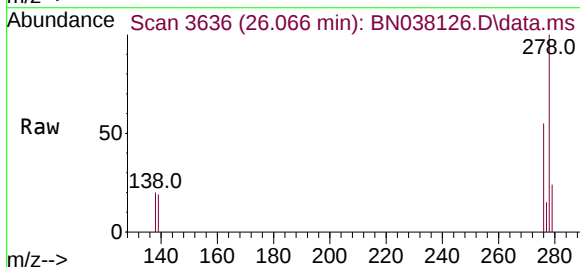
Tgt Ion:276 Resp: 144095

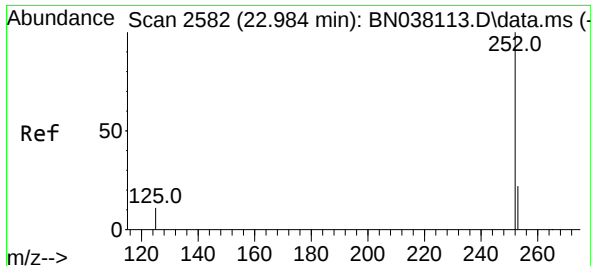
Ion Ratio Lower Upper

276 100

138 35.7 21.4 32.0#

277 26.5 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 2.093 ng

RT: 22.999 min Scan# 21

Delta R.T. 0.018 min

Lab File: BN038126.D

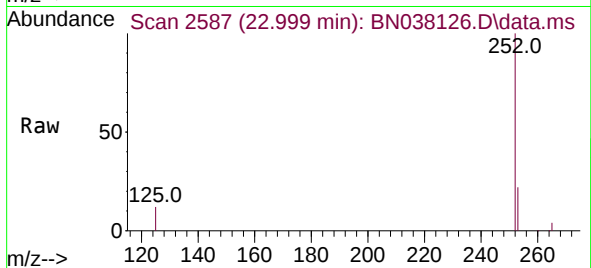
Acq: 30 Oct 2025 17:12

Instrument :

BNA_N

ClientSampleId :

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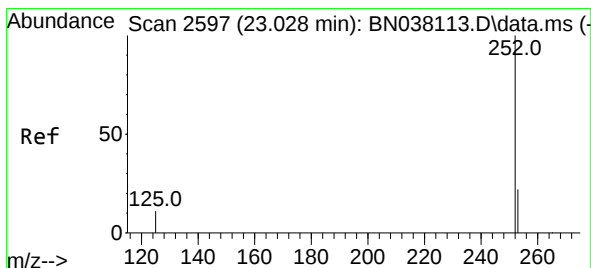
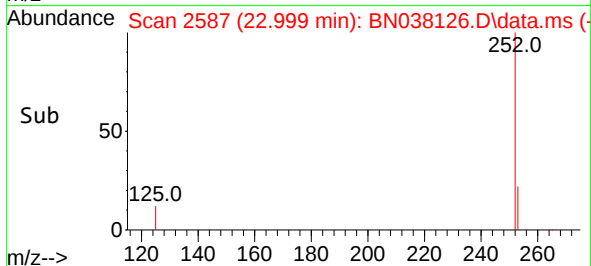
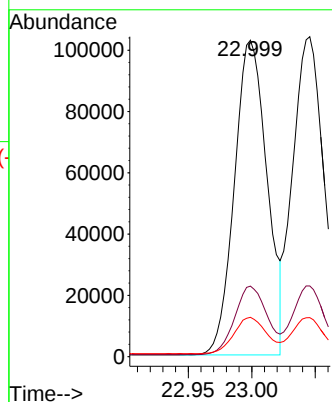
Tgt Ion:252 Resp: 183673

Ion Ratio Lower Upper

252 100

253 22.3 20.9 31.3

125 12.4 14.1 21.1#



#38

Benzo(k)fluoranthene

Concen: 2.155 ng

RT: 23.046 min Scan# 2603

Delta R.T. 0.018 min

Lab File: BN038126.D

Acq: 30 Oct 2025 17:12

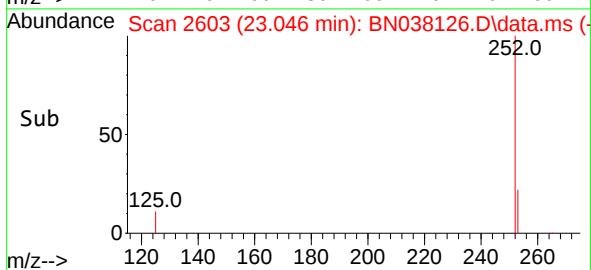
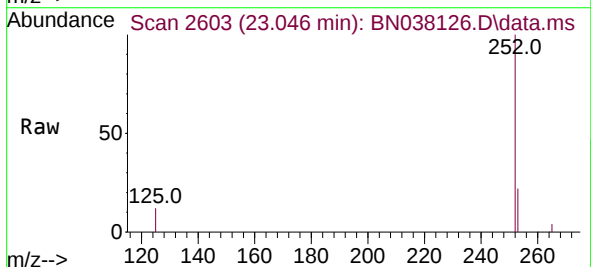
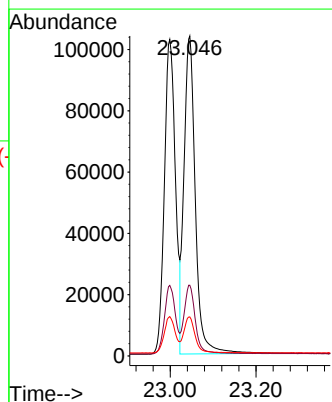
Tgt Ion:252 Resp: 190347

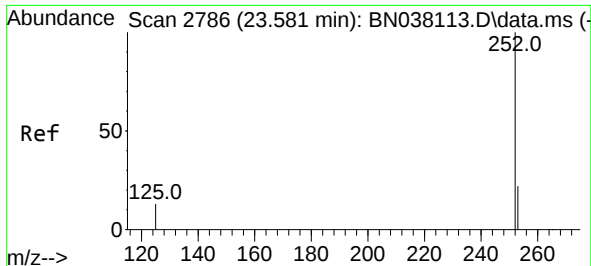
Ion Ratio Lower Upper

252 100

253 22.1 21.2 31.8

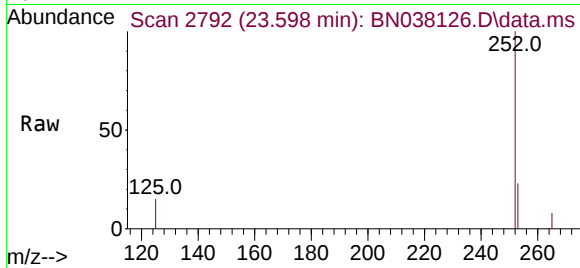
125 12.2 14.6 22.0#



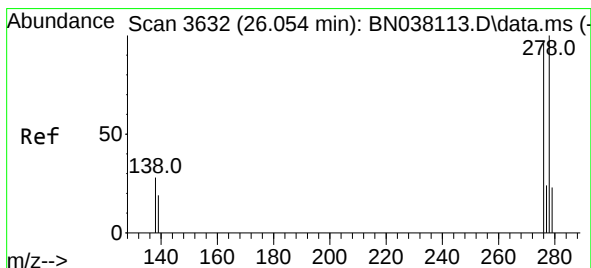
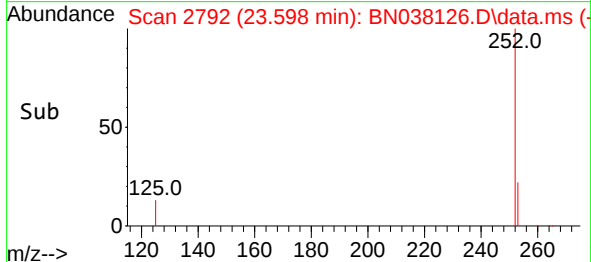
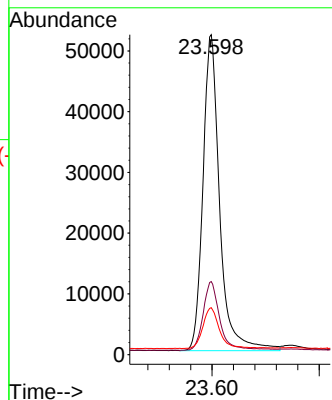


#39
Benzo(a)pyrene
Concen: 1.603 ng
RT: 23.598 min Scan# 21
Delta R.T. 0.020 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :
WP0925-RR-PAH-WP

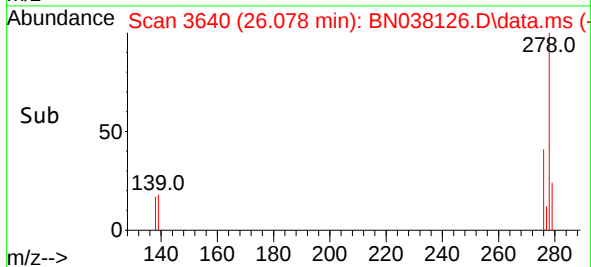
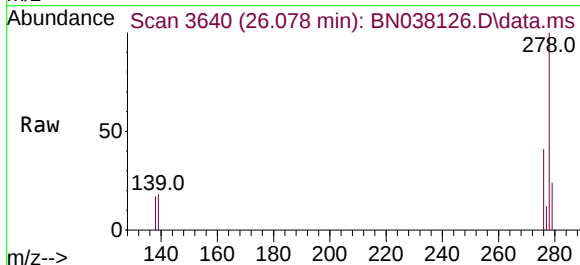
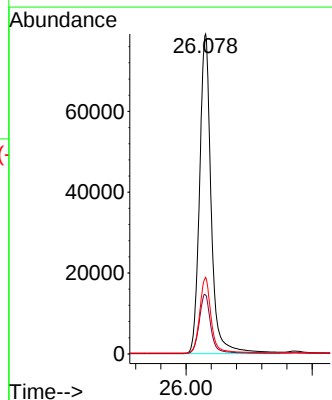


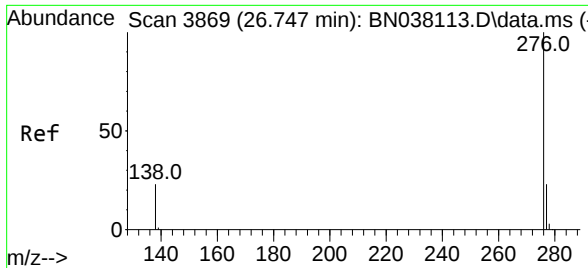
Tgt Ion:252 Resp: 112636
Ion Ratio Lower Upper
252 100
253 22.8 23.1 34.7#
125 14.7 18.6 28.0#



#40
Dibenzo(a,h)anthracene
Concen: 3.898 ng
RT: 26.078 min Scan# 3640
Delta R.T. 0.029 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

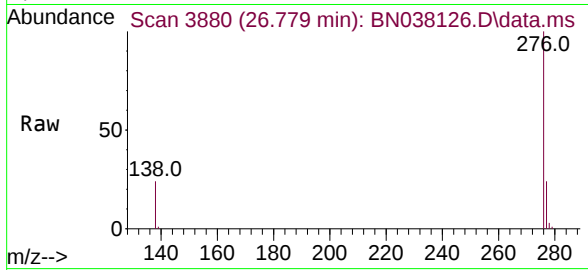
Tgt Ion:278 Resp: 252970
Ion Ratio Lower Upper
278 100
139 18.3 17.6 26.4
279 24.0 22.6 33.8





#41
Benzo(g,h,i)perylene
Concen: 3.507 ng
RT: 26.779 min Scan# 3869
Delta R.T. 0.029 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :
WP0925-RR-PAH-WP



Tgt Ion:276 Resp: 259947
Ion Ratio Lower Upper
276 100
277 23.7 19.7 29.5
138 24.1 20.2 30.4

