

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
 Data File : BN036938.D
 Acq On : 29 Apr 2025 14:17
 Operator : RC/JU
 Sample : Q1870-01DL2 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2

Quant Time: Apr 29 14:40:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

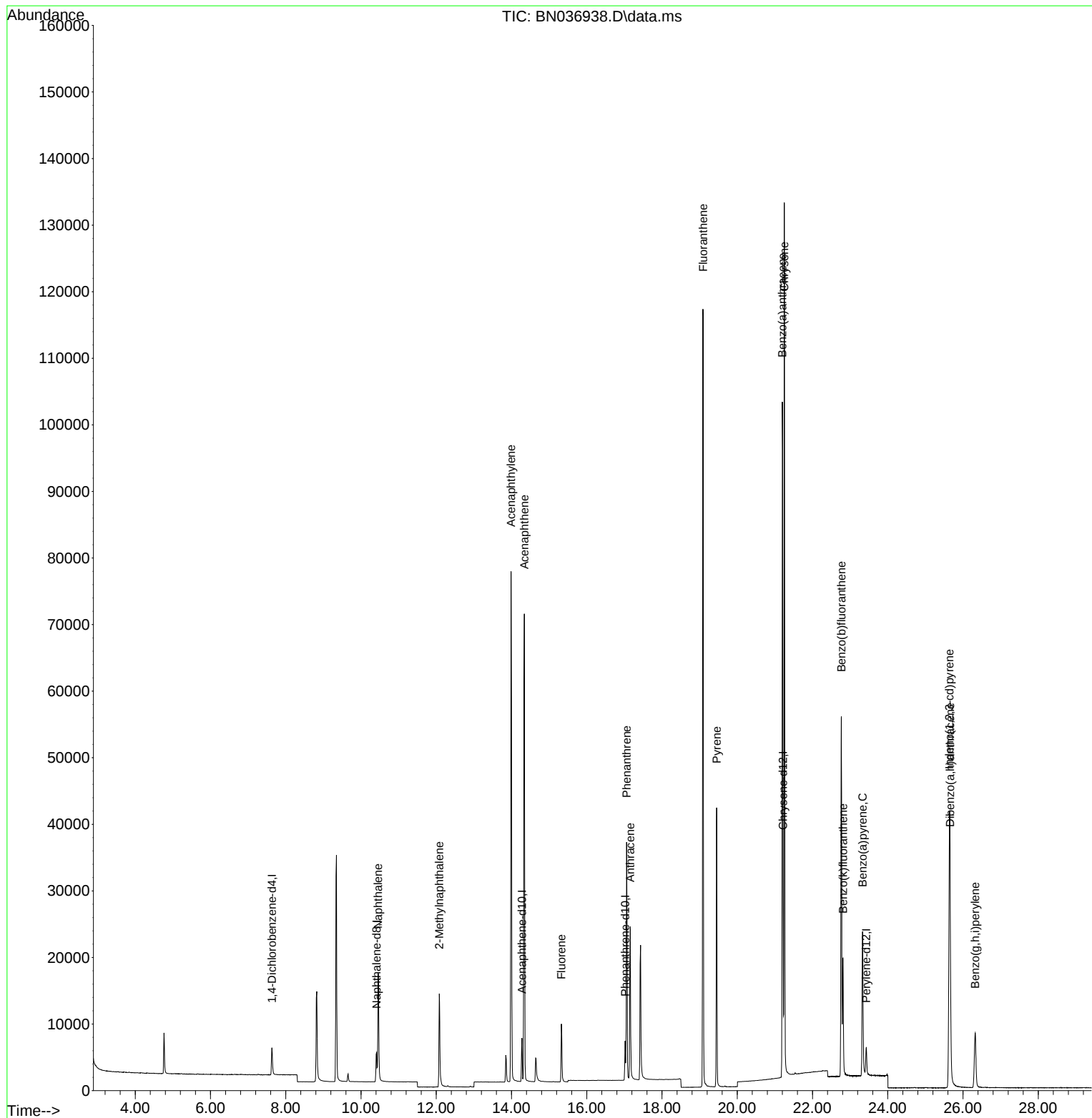
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2432	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	6295	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3589	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	7137	0.400	ng	0.00
29) Chrysene-d12	21.215	240	6695	0.400	ng	# 0.00
35) Perylene-d12	23.430	264	5501	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.228	112	52	0.008	ng	0.00
5) Phenol-d6	6.831	99	49	0.006	ng	0.03
8) Nitrobenzene-d5	8.781	82	65	0.010	ng	0.00
11) 2-Methylnaphthalene-d10	12.011	152	80	0.009	ng	0.00
14) 2,4,6-Tribromophenol	15.780	330	10	0.006	ng	0.01
15) 2-Fluorobiphenyl	12.909	172	133	0.008	ng	0.00
27) Fluoranthene-d10	19.059	212	185	0.010	ng	0.00
31) Terphenyl-d14	19.672	244	120	0.008	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.458	128	22192	1.211	ng	98
12) 2-Methylnaphthalene	12.082	142	11450	0.967	ng	99
16) Acenaphthylene	13.989	152	79777	4.548	ng	99
17) Acenaphthene	14.341	154	34081	2.957	ng	99
18) Fluorene	15.325	166	6026	0.400	ng	98
25) Phenanthrene	17.058	178	35341	1.500	ng	99
26) Anthracene	17.158	178	26761	1.256	ng	100
28) Fluoranthene	19.091	202	103493	3.920	ng	99
30) Pyrene	19.453	202	36010	1.117	ng	99
32) Benzo(a)anthracene	21.197	228	84662	3.434	ng	97
33) Chrysene	21.251	228	101268	3.808	ng	98
36) Indeno(1,2,3-cd)pyrene	25.640	276	68690	3.058	ng	96
37) Benzo(b)fluoranthene	22.766	252	63619	2.750	ng	# 89
38) Benzo(k)fluoranthene	22.810	252	21335	0.917	ng	# 91
39) Benzo(a)pyrene	23.330	252	31475	1.655	ng	# 85
40) Dibenzo(a,h)anthracene	25.658	278	16267	0.920	ng	93
41) Benzo(g,h,i)perylene	26.324	276	16655	0.849	ng	99

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

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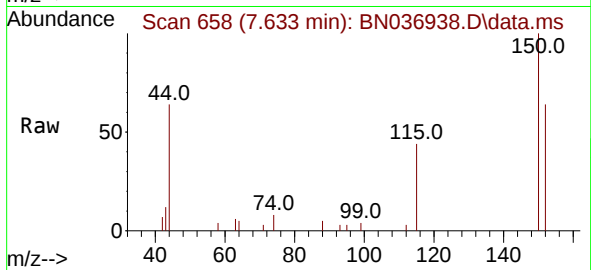
Quant Time: Apr 29 14:40:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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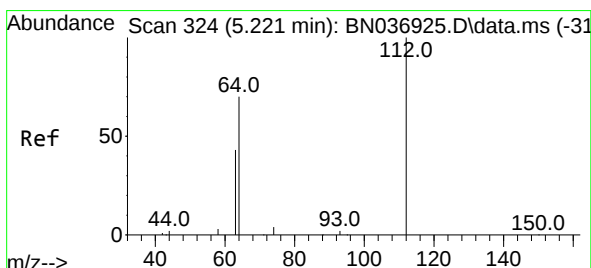
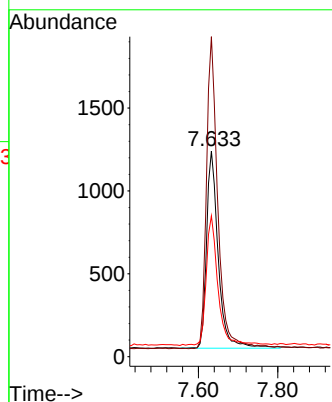
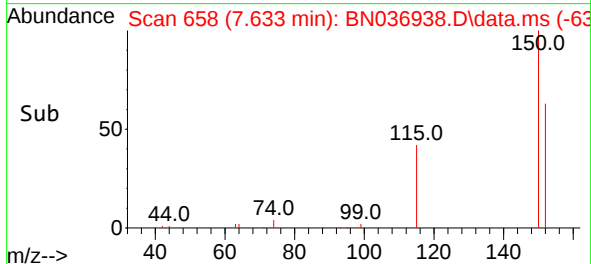


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.633 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

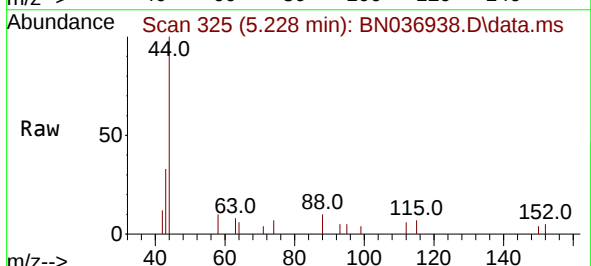
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 BNA_N
 ClientSampleId :
 38072-010925DL2



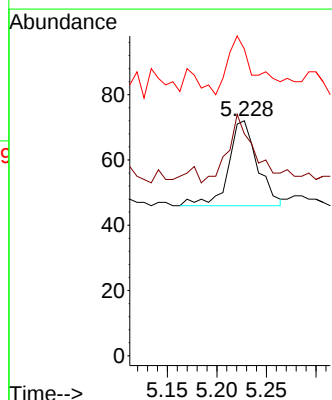
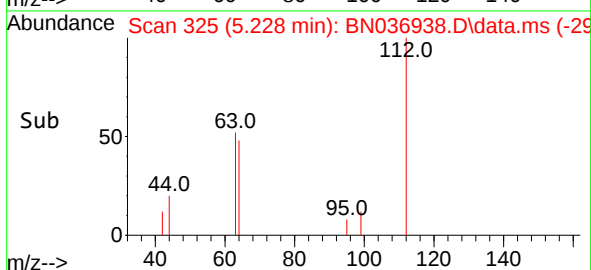
Tgt Ion:152 Resp: 2432
 Ion Ratio Lower Upper
 152 100
 150 155.6 121.1 181.7
 115 68.5 51.8 77.6

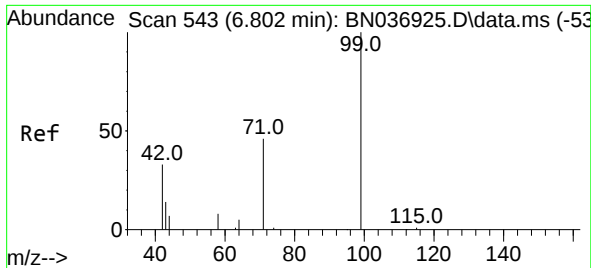


#4
 2-Fluorophenol
 Concen: 0.008 ng
 RT: 5.228 min Scan# 325
 Delta R.T. 0.007 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17



Tgt Ion:112 Resp: 52
 Ion Ratio Lower Upper
 112 100
 64 80.8 55.7 83.5
 63 73.1 33.9 50.9#

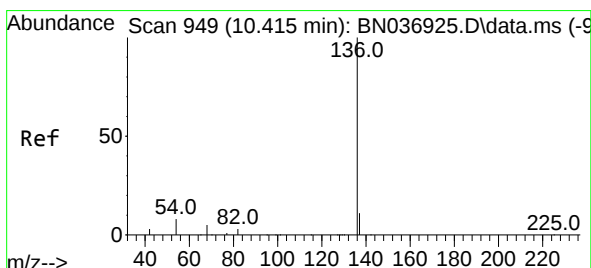
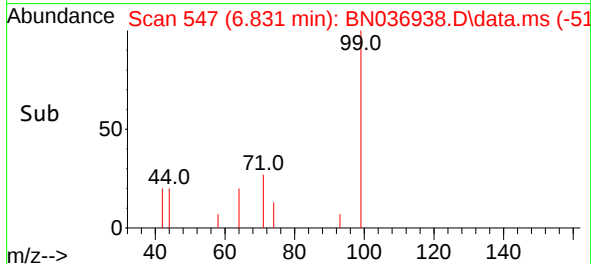
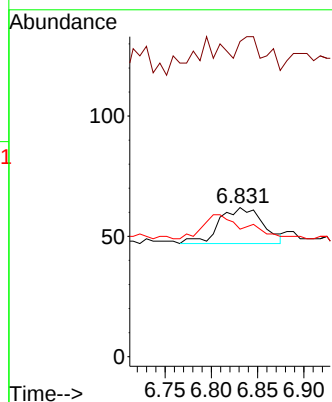
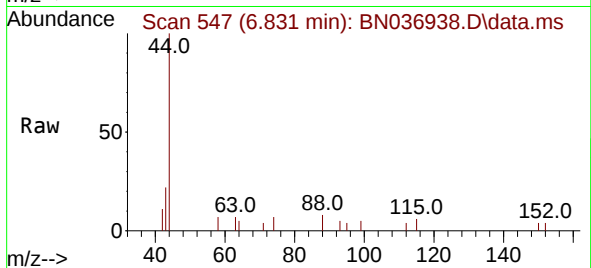




#5
Phenol-d6
Concen: 0.006 ng
RT: 6.831 min Scan# 543
Delta R.T. 0.029 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

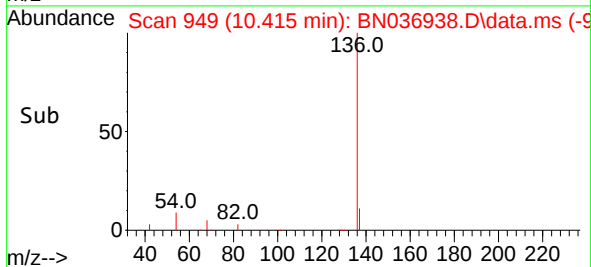
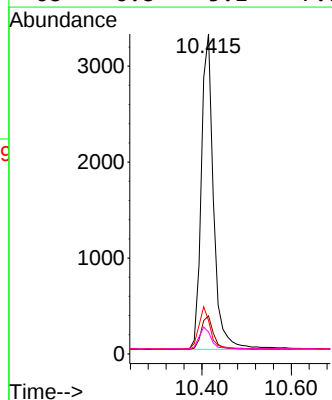
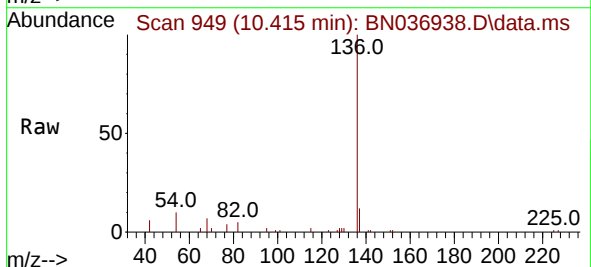
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

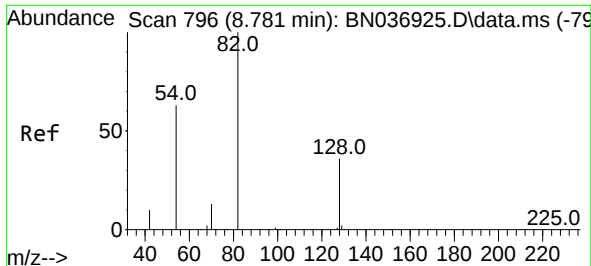
Tgt Ion: 99 Resp: 49
Ion Ratio Lower Upper
99 100
42 53.1 29.6 44.4#
71 0.0 36.0 54.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 136 Resp: 6295
Ion Ratio Lower Upper
136 100
137 11.9 9.7 14.5
54 10.4 8.0 12.0
68 6.8 5.1 7.7

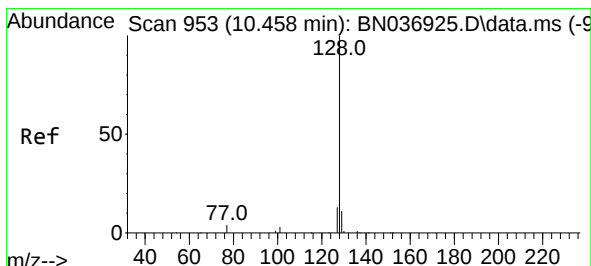
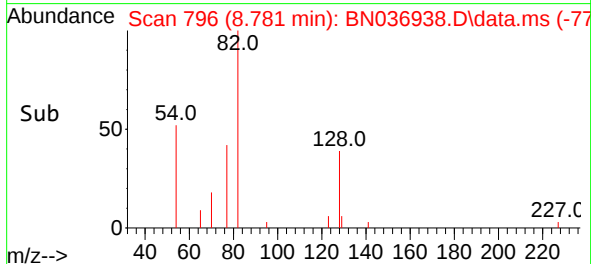
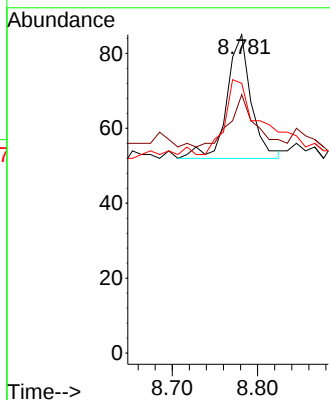
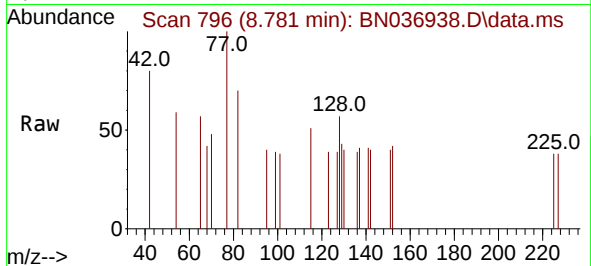




#8
Nitrobenzene-d5
Concen: 0.010 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

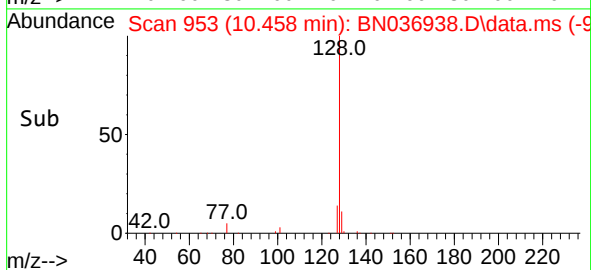
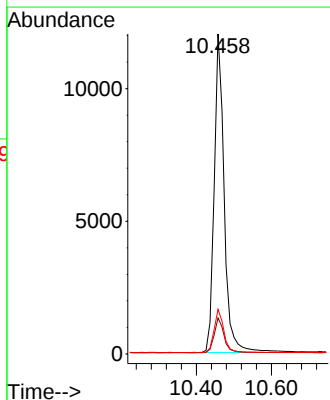
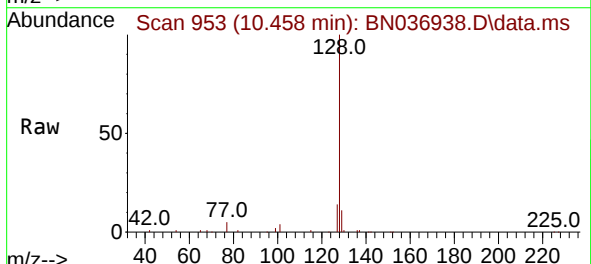
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

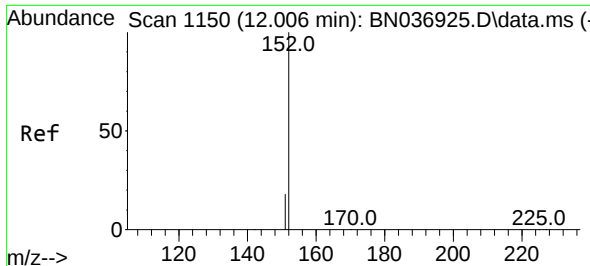
Tgt Ion: 82 Resp: 65
Ion Ratio Lower Upper
82 100
128 81.2 30.7 46.1#
54 84.7 52.1 78.1#



#9
Naphthalene
Concen: 1.211 ng
RT: 10.458 min Scan# 953
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 128 Resp: 22192
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.6
127 13.9 11.4 17.2

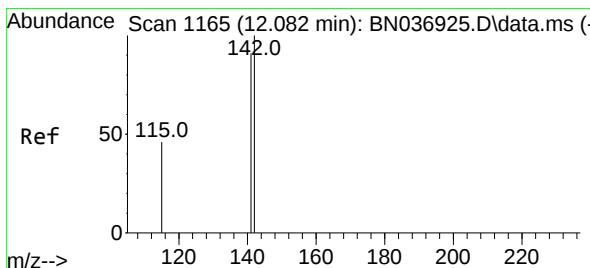
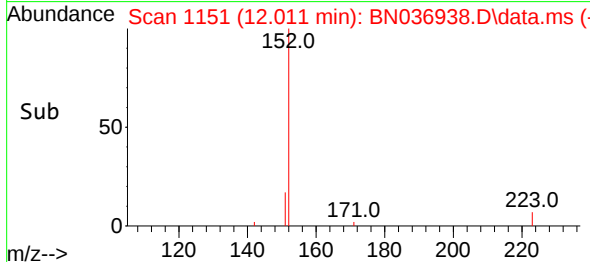
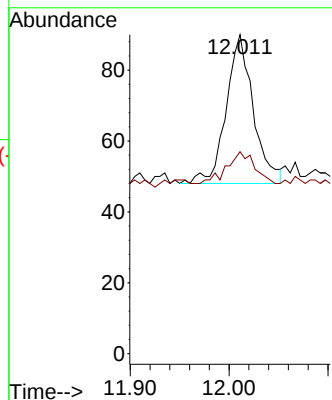
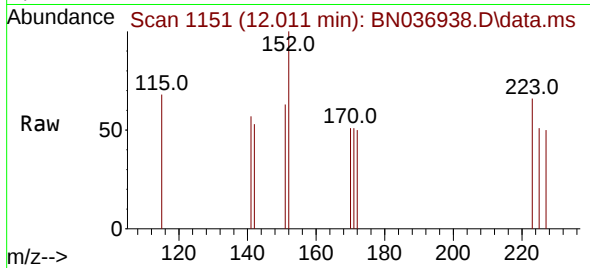




#11
2-Methylnaphthalene-d10
Concen: 0.009 ng
RT: 12.011 min Scan# 1151
Delta R.T. 0.005 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

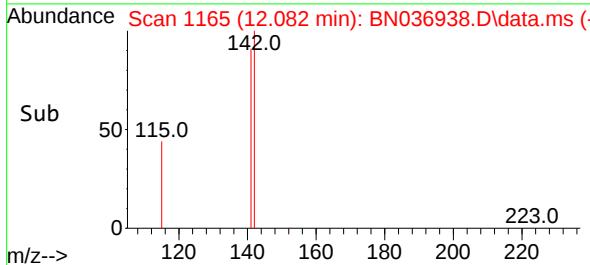
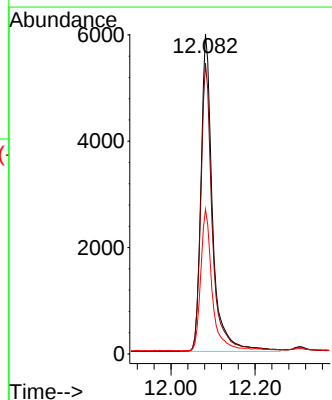
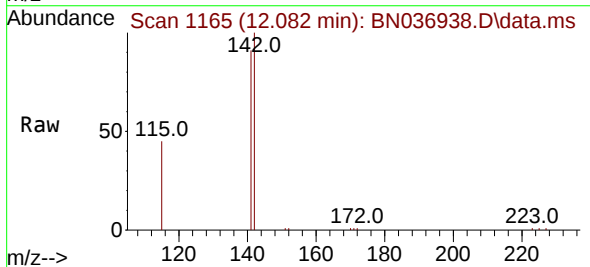
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

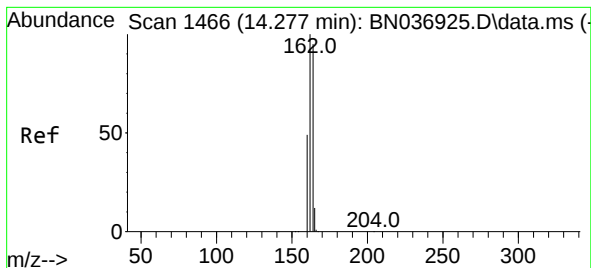
Tgt Ion:152 Resp: 80
Ion Ratio Lower Upper
152 100
151 21.3 16.9 25.3



#12
2-Methylnaphthalene
Concen: 0.967 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:142 Resp: 11450
Ion Ratio Lower Upper
142 100
141 90.8 72.8 109.2
115 45.2 38.2 57.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.277 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2

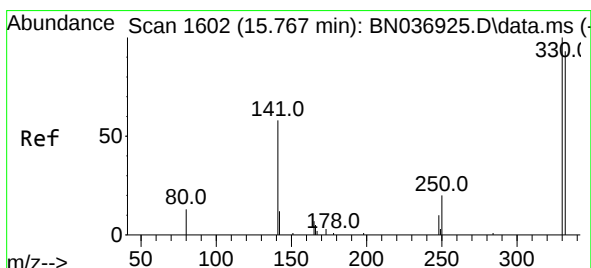
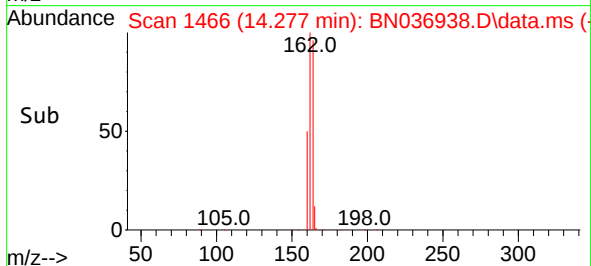
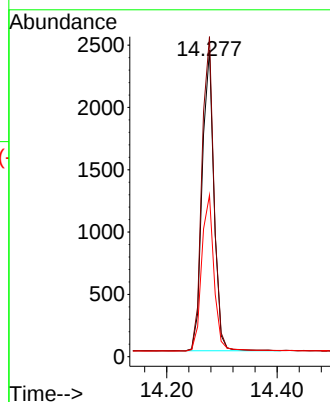
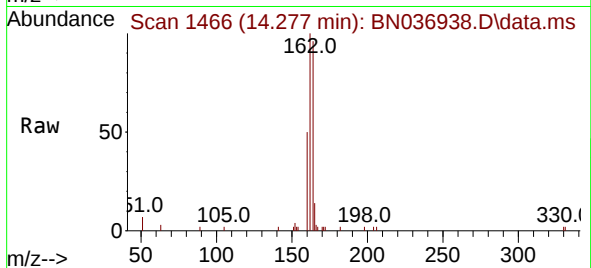
Tgt Ion:164 Resp: 3589

Ion Ratio Lower Upper

164 100

162 104.3 83.8 125.8

160 52.6 42.0 63.0



#14

2,4,6-Tribromophenol

Concen: 0.006 ng

RT: 15.780 min Scan# 1603

Delta R.T. 0.012 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

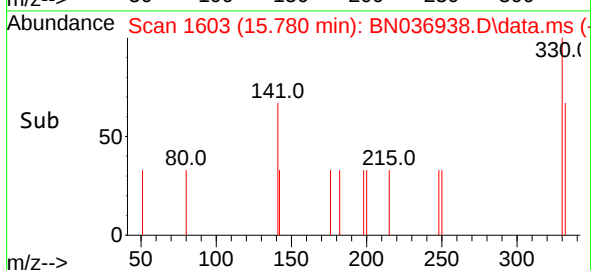
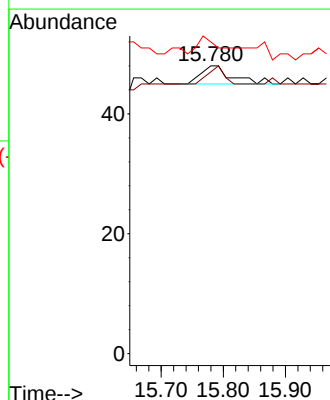
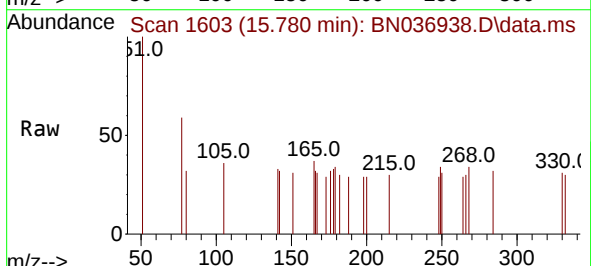
Tgt Ion:330 Resp: 10

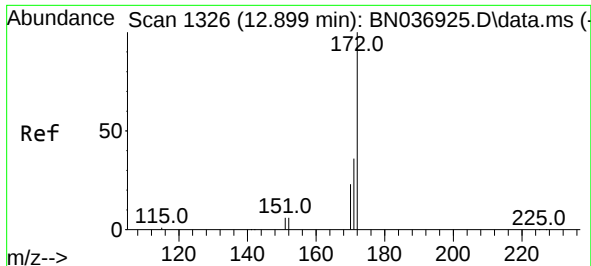
Ion Ratio Lower Upper

330 100

332 80.0 76.3 114.5

141 0.0 45.4 68.2#

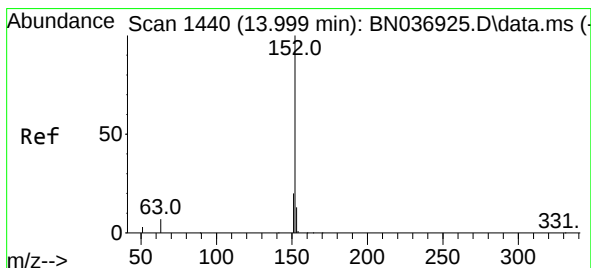
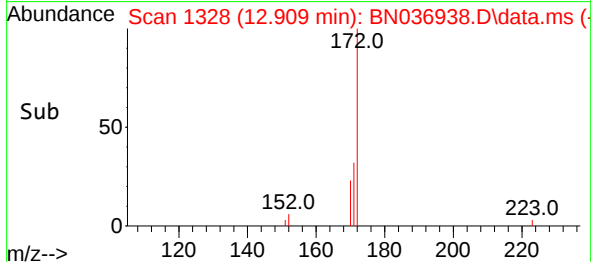
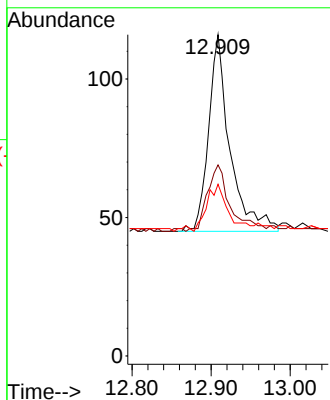
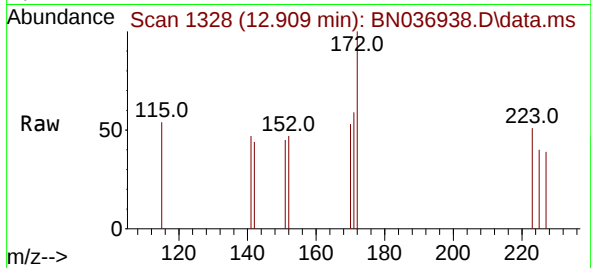




#15
2-Fluorobiphenyl
Concen: 0.008 ng
RT: 12.909 min Scan# 1438
Delta R.T. 0.010 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

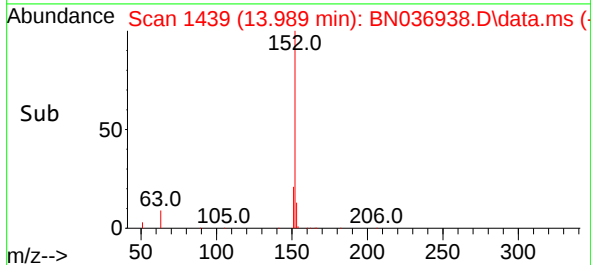
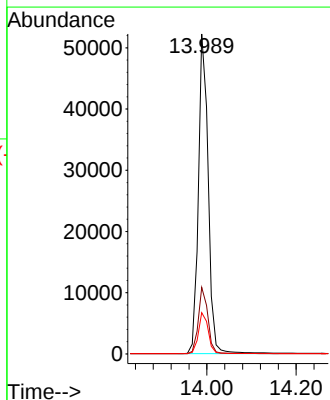
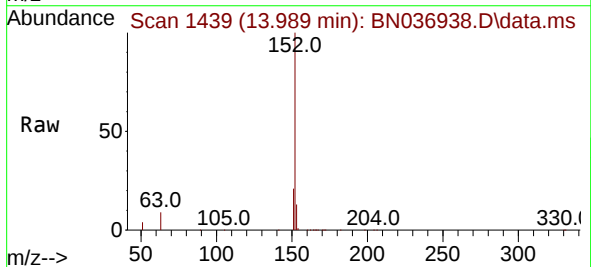
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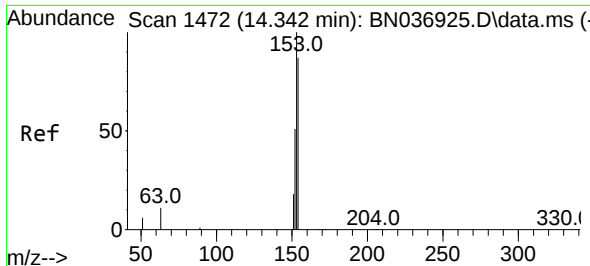
Tgt Ion:172 Resp: 133
Ion Ratio Lower Upper
172 100
171 59.5 29.4 44.0#
170 53.4 19.4 29.0#



#16
Acenaphthylene
Concen: 4.548 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:152 Resp: 79777
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 13.0 10.2 15.2

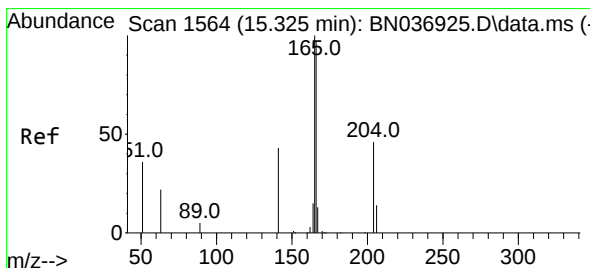
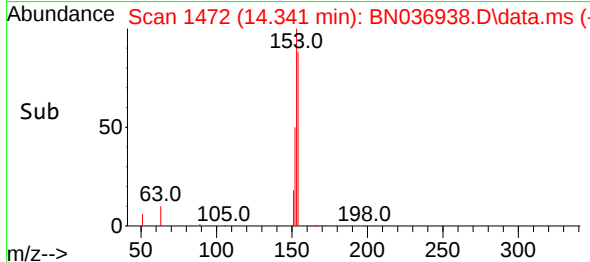
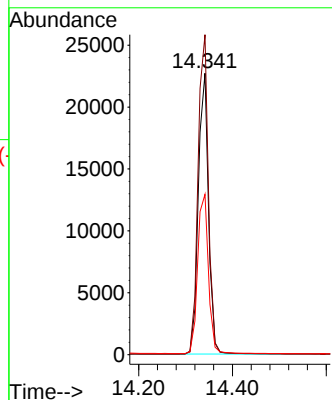
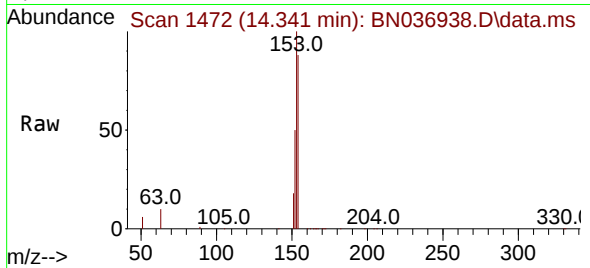




#17
Acenaphthene
Concen: 2.957 ng
RT: 14.341 min Scan# 1472
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

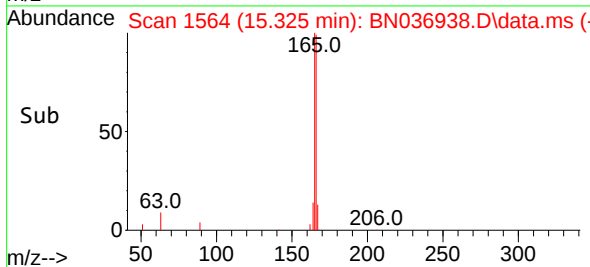
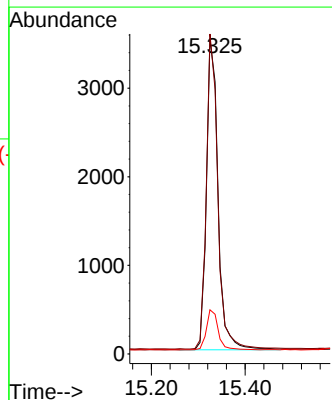
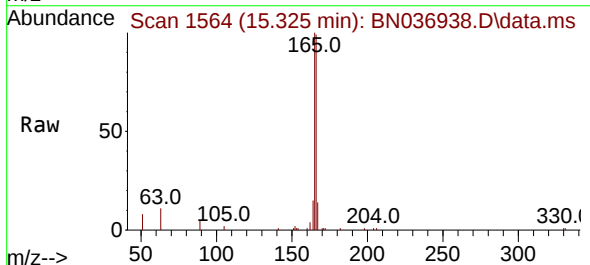
Instrument :
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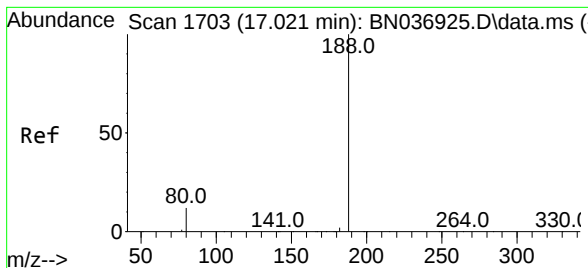
Tgt Ion:154 Resp: 34081
Ion Ratio Lower Upper
154 100
153 116.2 93.4 140.2
152 60.5 49.5 74.3



#18
Fluorene
Concen: 0.400 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:166 Resp: 6026
Ion Ratio Lower Upper
166 100
165 99.4 80.8 121.2
167 13.1 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 1703

Delta R.T. -0.000 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2

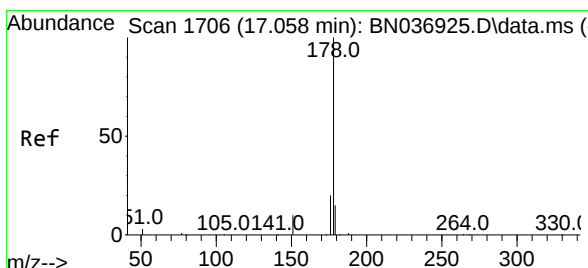
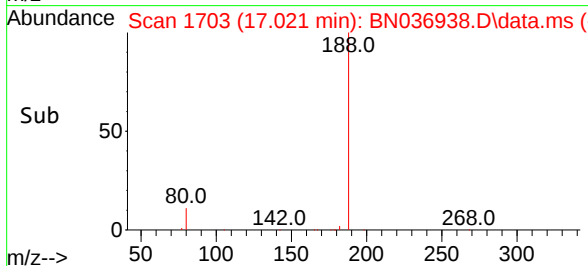
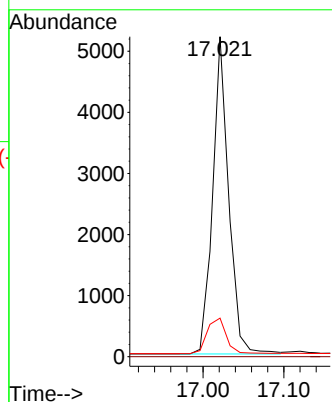
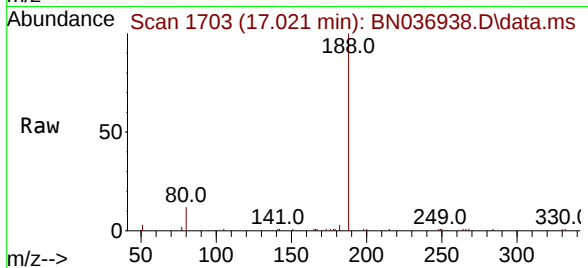
Tgt Ion:188 Resp: 7137

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.0 10.7 16.1



#25

Phenanthrene

Concen: 1.500 ng

RT: 17.058 min Scan# 1706

Delta R.T. -0.000 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

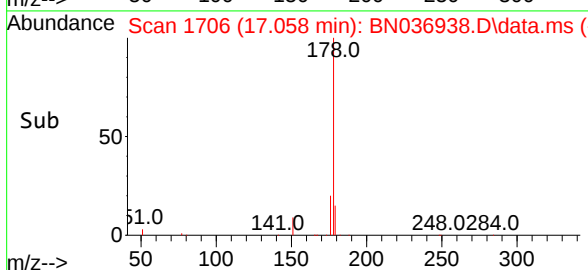
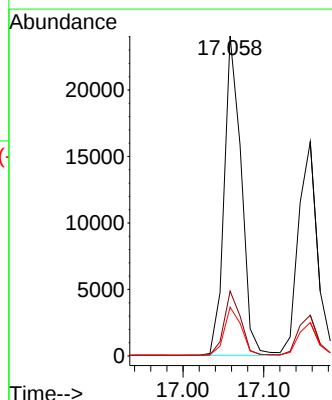
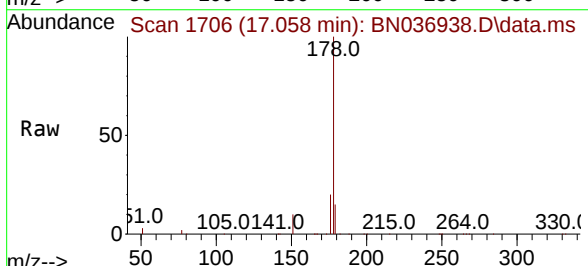
Tgt Ion:178 Resp: 35341

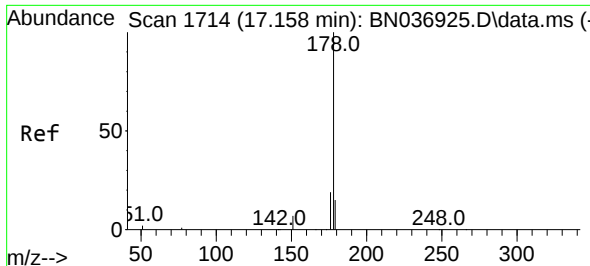
Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 15.1 12.4 18.6

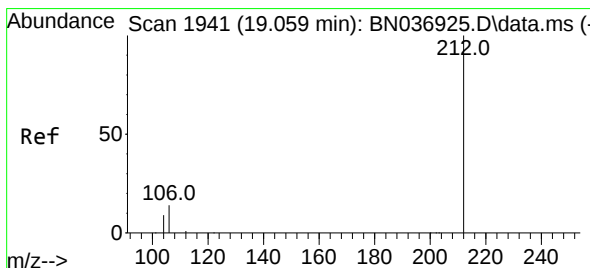
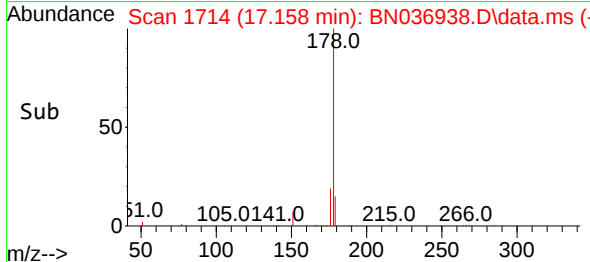
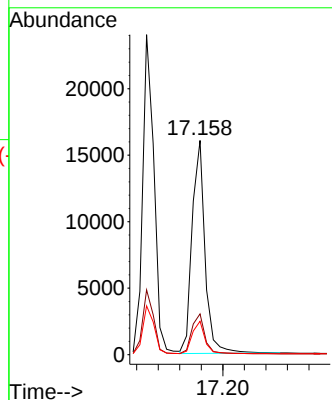
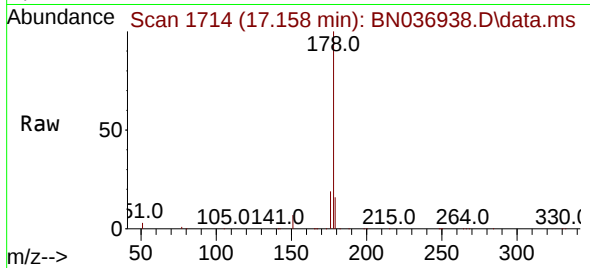




#26
 Anthracene
 Concen: 1.256 ng
 RT: 17.158 min Scan# 1714
 Delta R.T. -0.000 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

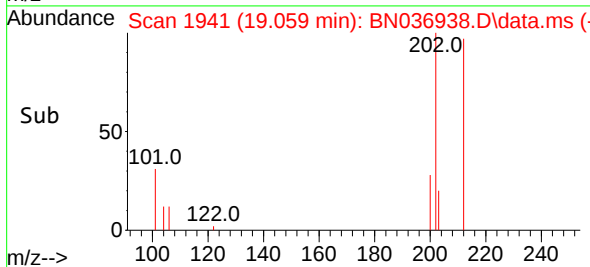
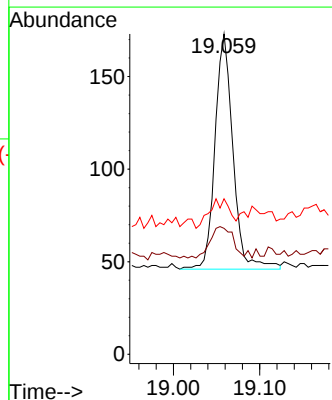
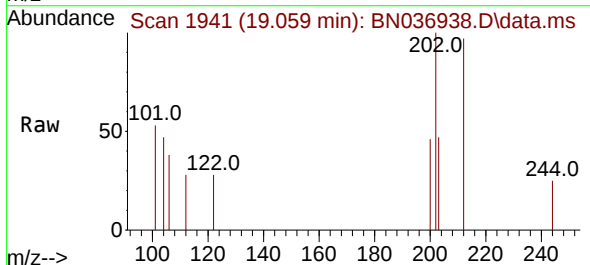
Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2

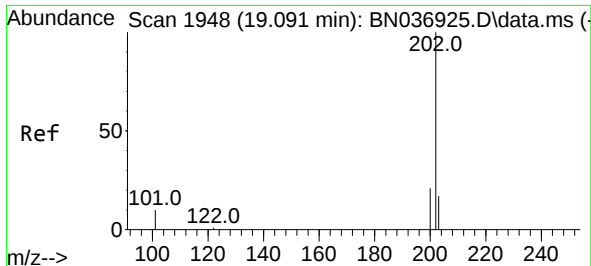
Tgt Ion:178 Resp: 26761
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.3 12.1 18.1



#27
 Fluoranthene-d10
 Concen: 0.010 ng
 RT: 19.059 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Tgt Ion:212 Resp: 185
 Ion Ratio Lower Upper
 212 100
 106 16.8 11.6 17.4
 104 14.1 7.0 10.4#

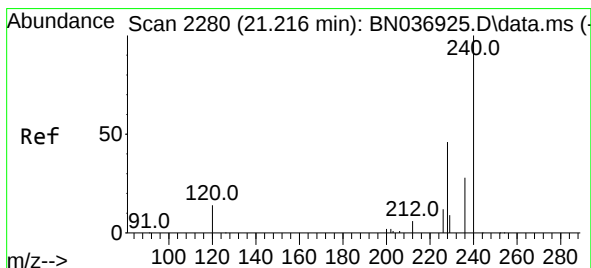
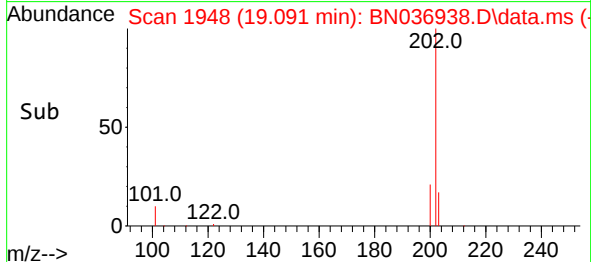
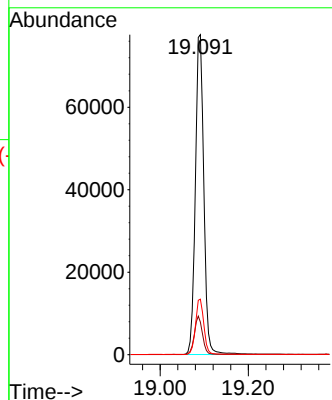
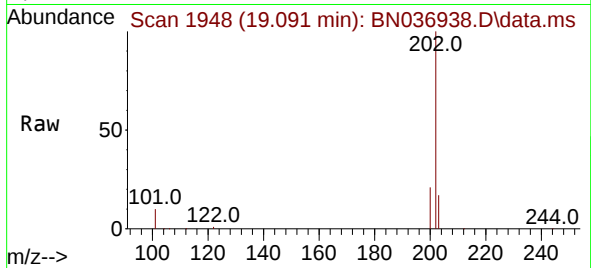




#28
Fluoranthene
Concen: 3.920 ng
RT: 19.091 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

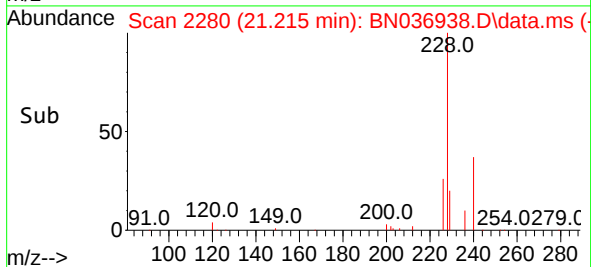
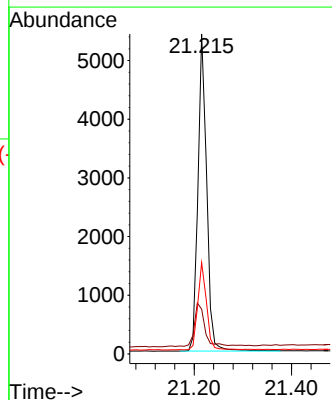
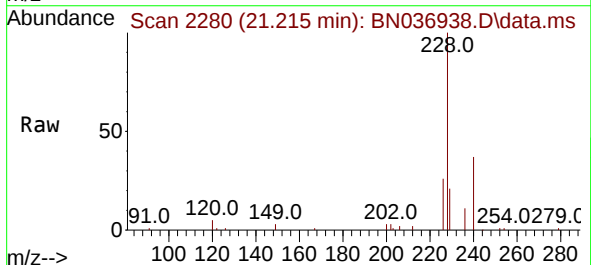
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

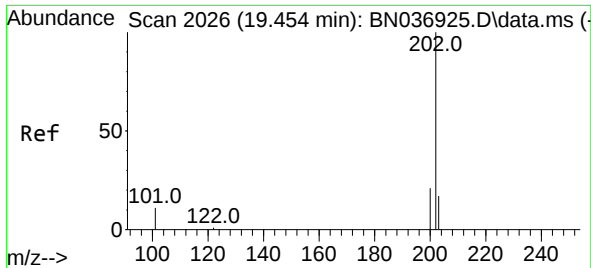
Tgt Ion:202 Resp: 103493
Ion Ratio Lower Upper
202 100
101 11.4 8.5 12.7
203 17.2 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:240 Resp: 6695
Ion Ratio Lower Upper
240 100
120 14.0 14.1 21.1#
236 28.5 23.8 35.8

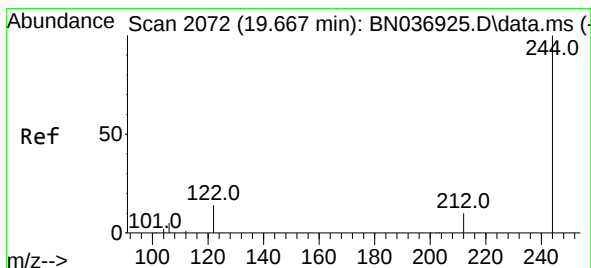
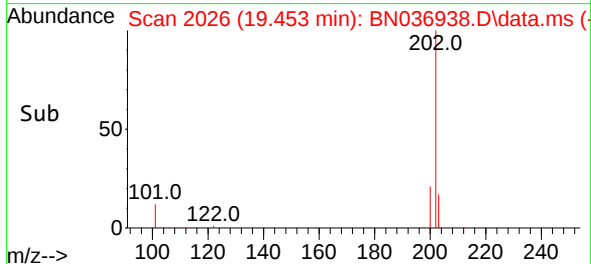
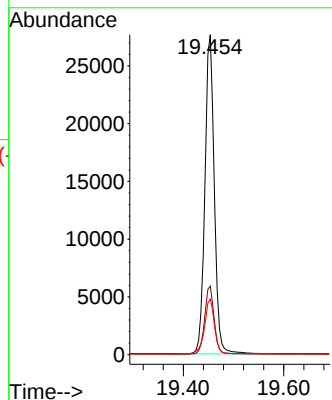
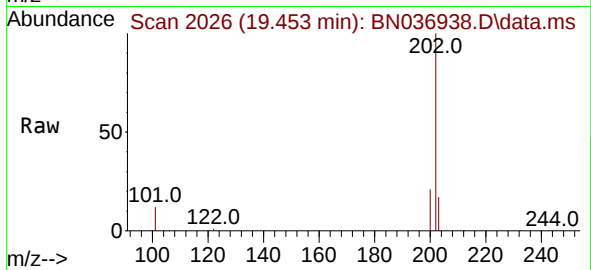




#30
Pyrene
Concen: 1.117 ng
RT: 19.453 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

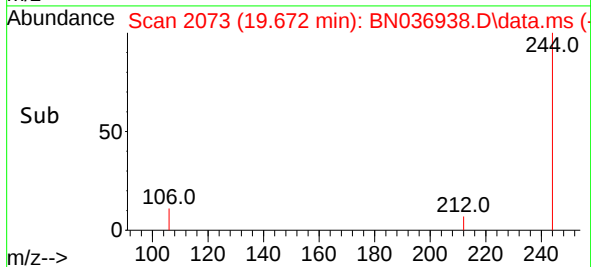
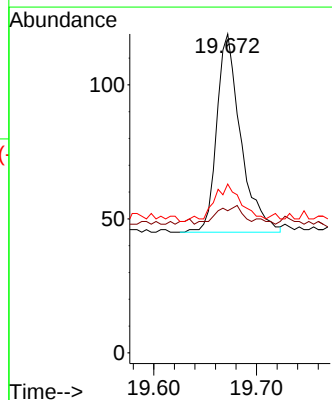
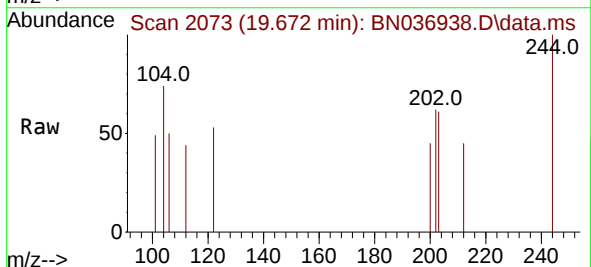
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

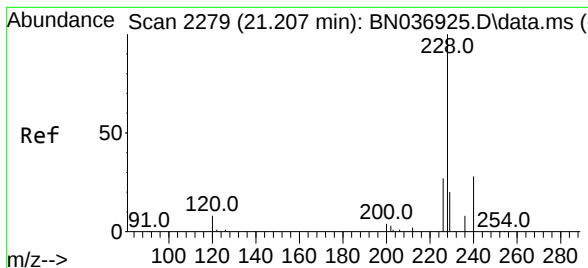
Tgt Ion:202 Resp: 36010
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 18.2 14.0 21.0



#31
Terphenyl-d14
Concen: 0.008 ng
RT: 19.672 min Scan# 2073
Delta R.T. 0.005 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:244 Resp: 120
Ion Ratio Lower Upper
244 100
212 44.5 9.6 14.4#
122 52.9 12.7 19.1#





#32

Benzo(a)anthracene

Concen: 3.434 ng

RT: 21.197 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2

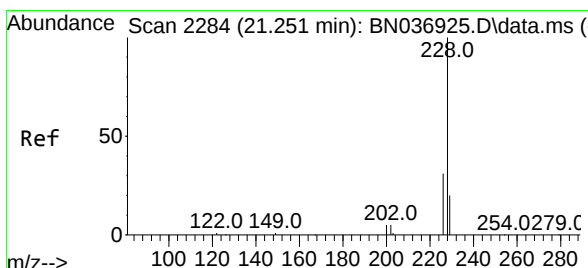
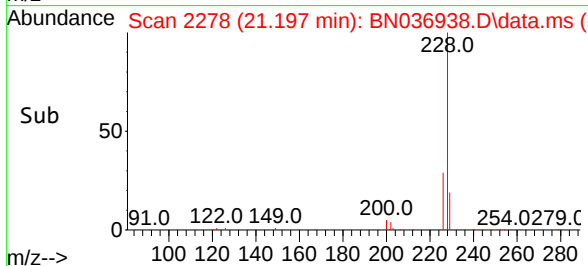
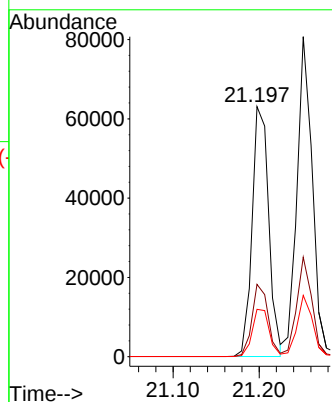
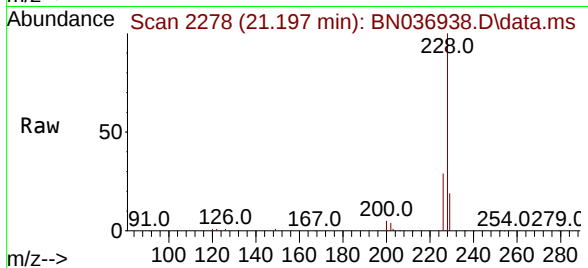
Tgt Ion:228 Resp: 84662

Ion Ratio Lower Upper

228 100

226 28.9 22.2 33.4

229 18.9 16.4 24.6



#33

Chrysene

Concen: 3.808 ng

RT: 21.251 min Scan# 2284

Delta R.T. -0.000 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

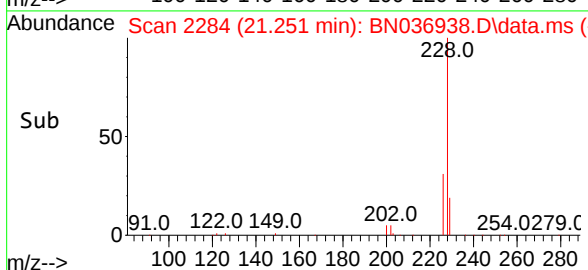
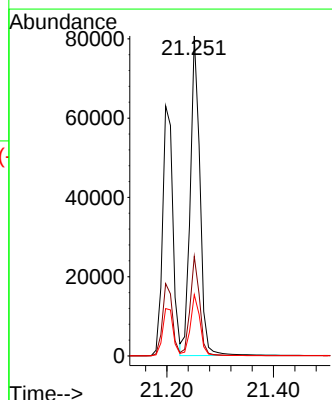
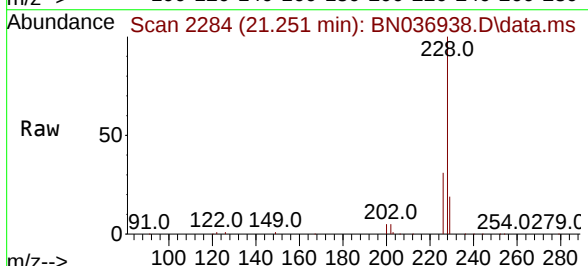
Tgt Ion:228 Resp: 101268

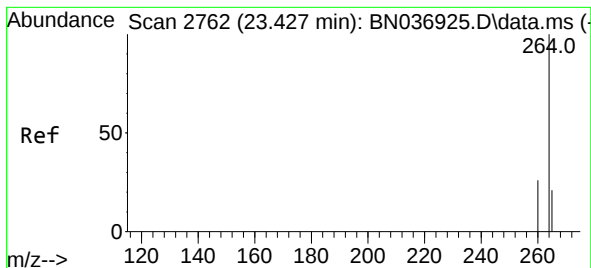
Ion Ratio Lower Upper

228 100

226 31.1 25.5 38.3

229 19.2 16.5 24.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.430 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2

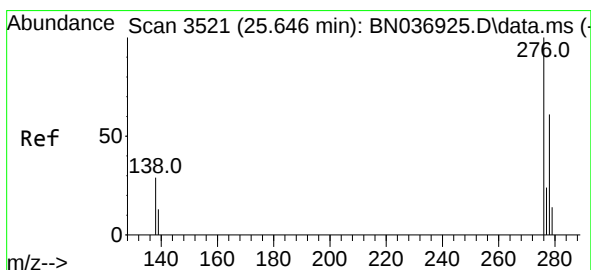
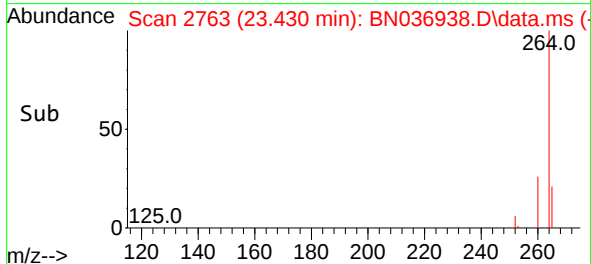
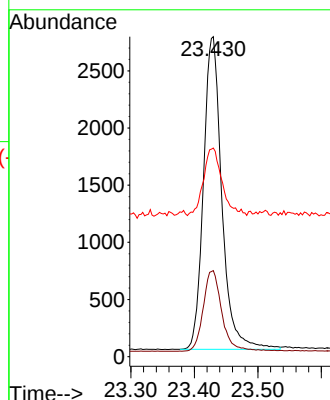
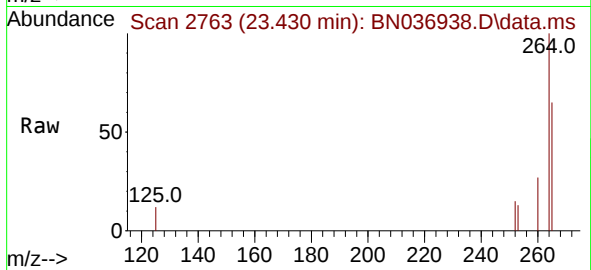
Tgt Ion:264 Resp: 5501

Ion Ratio Lower Upper

264 100

260 26.9 22.2 33.2

265 65.2 65.8 98.6#



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.058 ng

RT: 25.640 min Scan# 3519

Delta R.T. -0.006 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

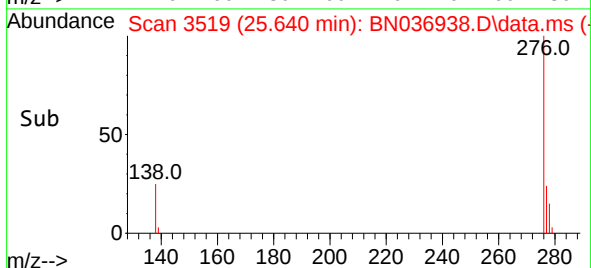
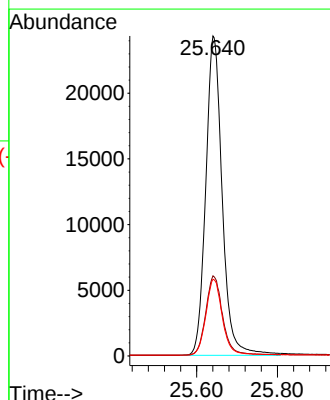
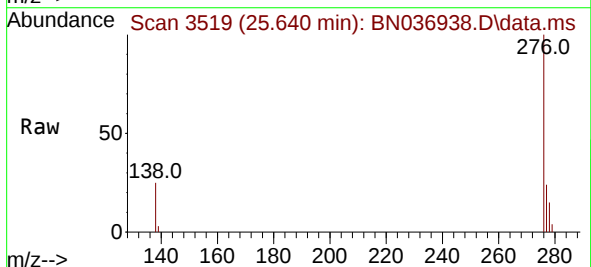
Tgt Ion:276 Resp: 68690

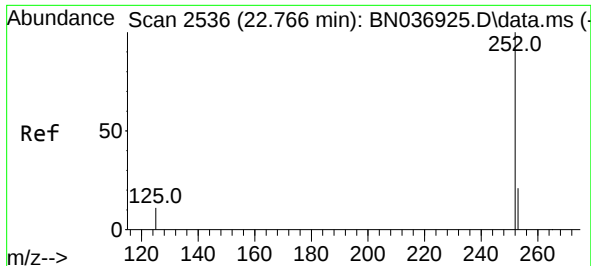
Ion Ratio Lower Upper

276 100

138 25.6 23.0 34.6

277 24.0 20.0 30.0

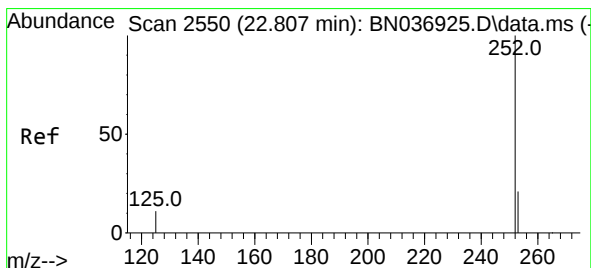
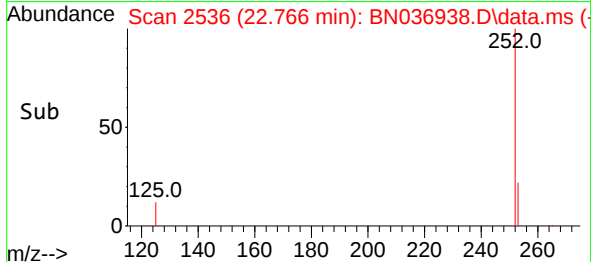
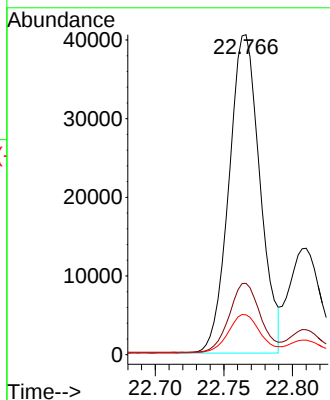
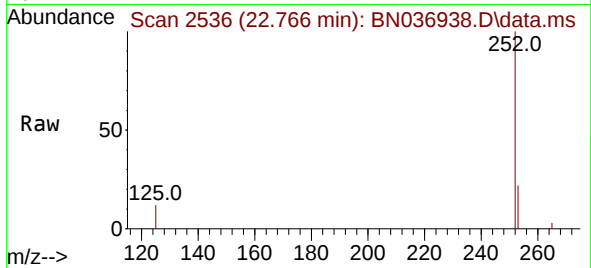




#37
Benzo(b)fluoranthene
Concen: 2.750 ng
RT: 22.766 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

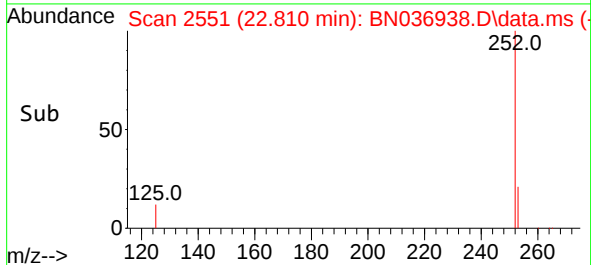
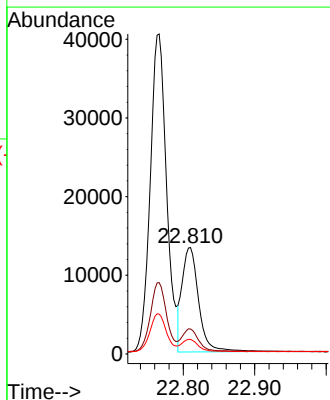
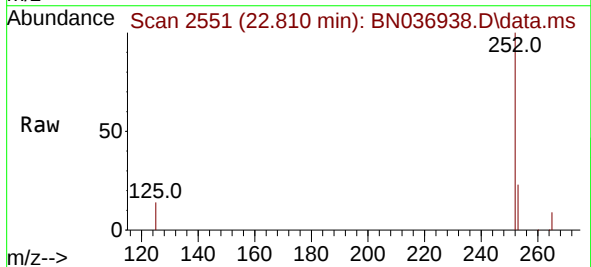
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

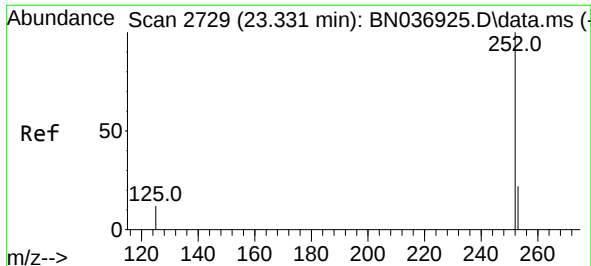
Tgt Ion:252 Resp: 63619
Ion Ratio Lower Upper
252 100
253 22.3 22.1 33.1
125 12.5 14.2 21.2#



#38
Benzo(k)fluoranthene
Concen: 0.917 ng
RT: 22.810 min Scan# 2551
Delta R.T. 0.003 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

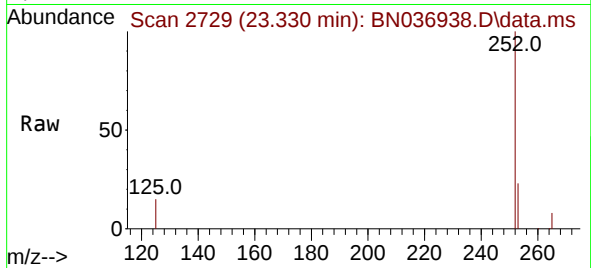
Tgt Ion:252 Resp: 21335
Ion Ratio Lower Upper
252 100
253 23.4 22.8 34.2
125 13.7 14.2 21.2#



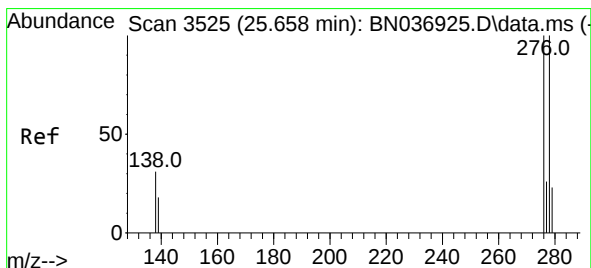
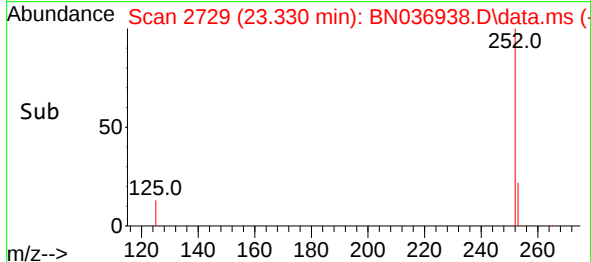
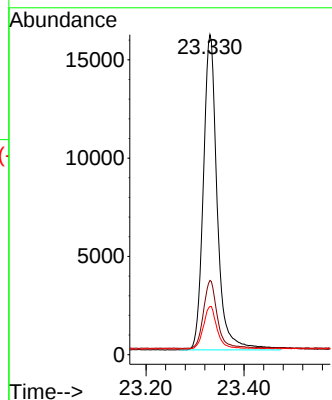


#39
Benzo(a)pyrene
Concen: 1.655 ng
RT: 23.330 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

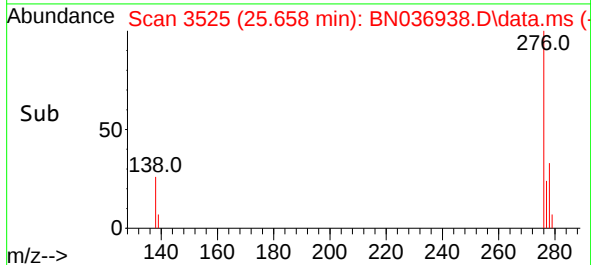
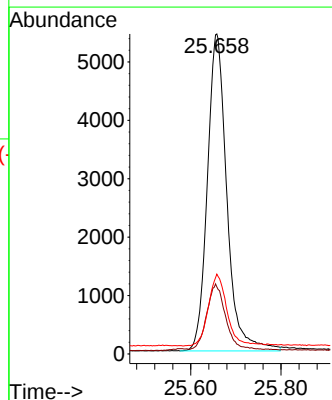
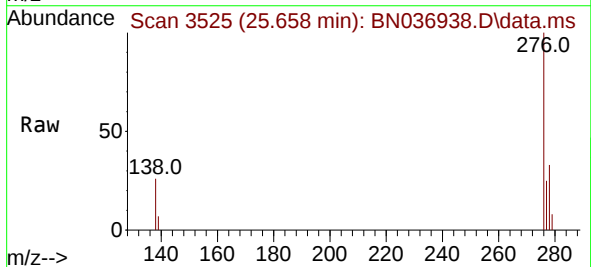


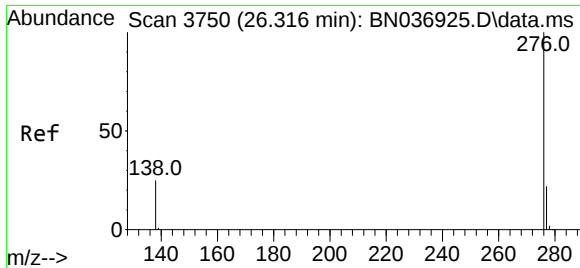
Tgt Ion:252 Resp: 31475
Ion Ratio Lower Upper
252 100
253 23.2 25.9 38.9#
125 15.1 17.4 26.0#



#40
Dibenzo(a,h)anthracene
Concen: 0.920 ng
RT: 25.658 min Scan# 3525
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

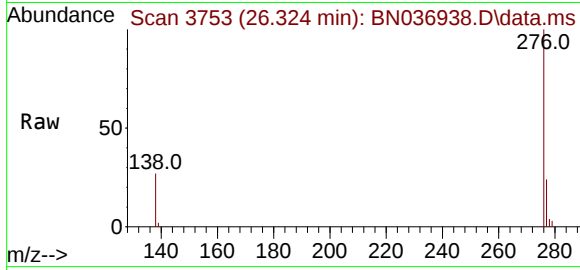
Tgt Ion:278 Resp: 16267
Ion Ratio Lower Upper
278 100
139 21.0 17.4 26.2
279 25.0 24.9 37.3





#41
 Benzo(g,h,i)perylene
 Concen: 0.849 ng
 RT: 26.324 min Scan# 31
 Delta R.T. 0.009 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2



Tgt Ion:	276	Resp:	16655
Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	26.9	21.9	32.9

