

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028391.D
 Acq On : 25 Oct 2023 01:26
 Operator : MA/JU
 Sample : 04938-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-6(0-2)

Quant Time: Oct 25 03:08:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:14:08 2023
 Response via : Initial Calibration

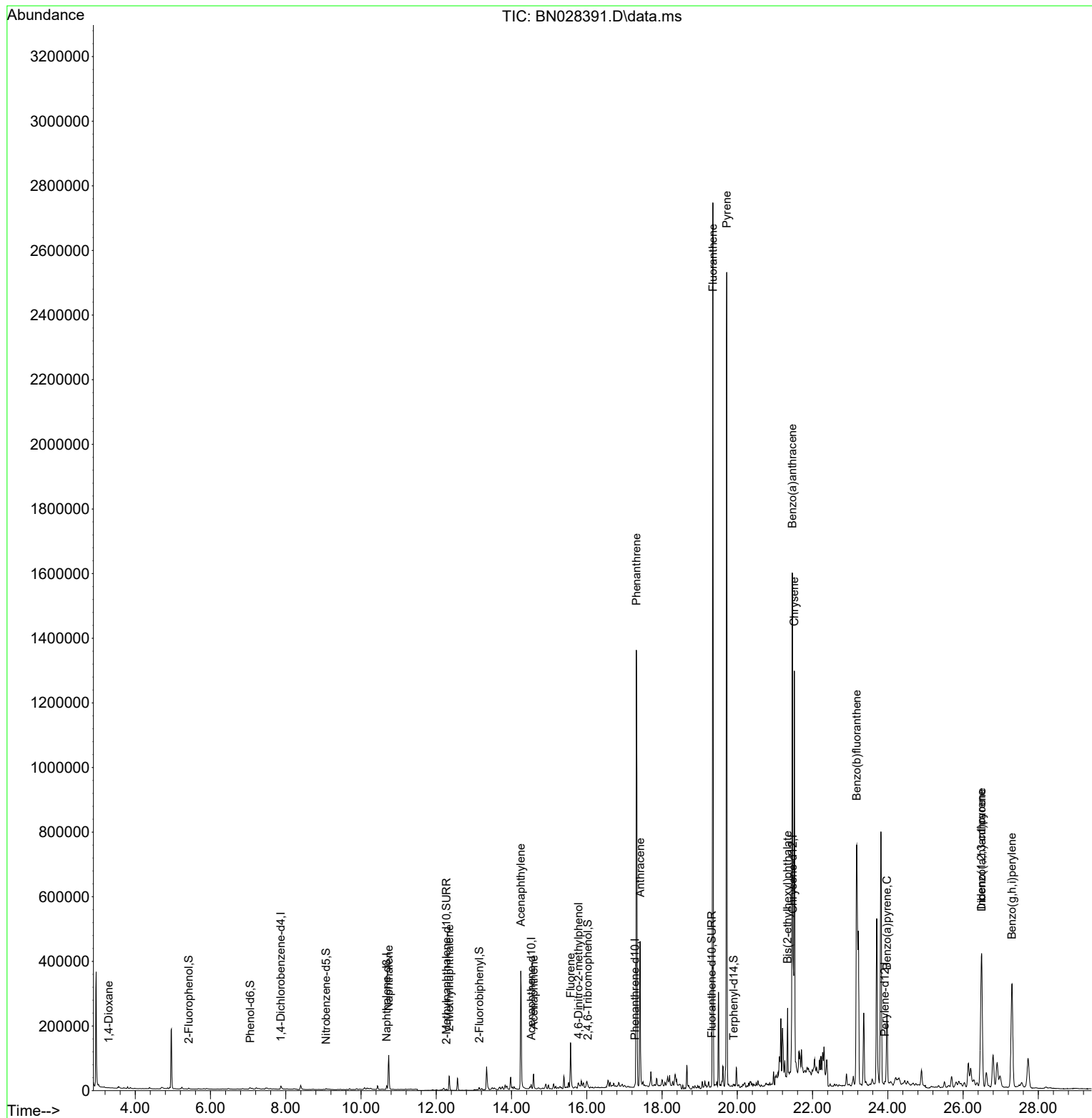
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	4662	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	15321	0.400	ng	-0.02
13) Acenaphthene-d10	14.523	164	7432	0.400	ng	-0.01
19) Phenanthrene-d10	17.281	188	11965	0.400	ng	#-0.01
29) Chrysene-d12	21.479	240	12279	0.400	ng	# 0.00
35) Perylene-d12	23.922	264	15855	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.423	112	2740	0.189	ng	0.00
5) Phenol-d6	7.055	99	4463	0.250	ng	0.00
8) Nitrobenzene-d5	9.070	82	3009	0.221	ng	-0.03
11) 2-Methylnaphthalene-d10	12.271	152	4805	0.209	ng	-0.02
14) 2,4,6-Tribromophenol	16.028	330	728	0.201	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	6147	0.235	ng	-0.02
27) Fluoranthene-d10	19.318	212	5696	0.178	ng	0.00
31) Terphenyl-d14	19.904	244	5365	0.206	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.292	88	148	0.026	ng	# 1
9) Naphthalene	10.735	128	139082	3.500	ng	97
12) 2-Methylnaphthalene	12.343	142	30148	1.068	ng	# 95
16) Acenaphthylene	14.245	152	454297	13.604	ng	100
17) Acenaphthene	14.587	154	25229	1.199	ng	98
18) Fluorene	15.568	166	103910	3.751	ng	97
20) 4,6-Dinitro-2-methylph...	15.779	198	12	0.195	ng	# 1
25) Phenanthrene	17.319	178	1426809	43.564	ng	100
26) Anthracene	17.418	178	474075	15.155	ng	98
28) Fluoranthene	19.351	202	2407679	58.516	ng	99
30) Pyrene	19.718	202	2150578	51.184	ng	99
32) Benzo(a)anthracene	21.462	228	1344189	30.815	ng	100
33) Chrysene	21.515	228	975442	23.364	ng	99
34) Bis(2-ethylhexyl)phtha...	21.336	149	172777	5.185	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.489	276	744498	11.647	ng	96
37) Benzo(b)fluoranthene	23.174	252	1442256	29.102	ng	# 88
39) Benzo(a)pyrene	23.978	252	293464	5.953	ng	97
40) Dibenzo(a,h)anthracene	26.495	278	203008	3.912	ng	98
41) Benzo(g,h,i)perylene	27.299	276	707489	13.205	ng	94

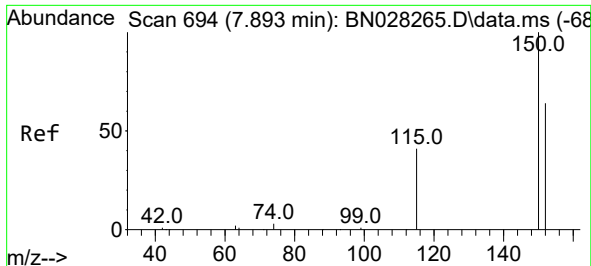
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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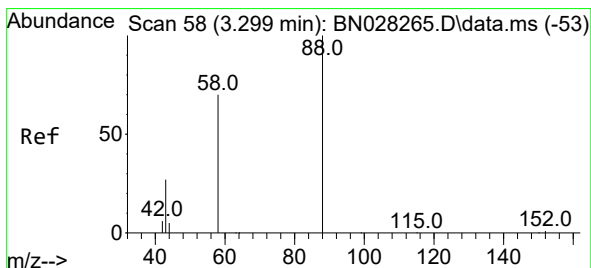
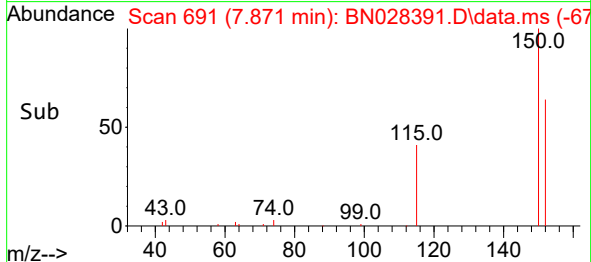
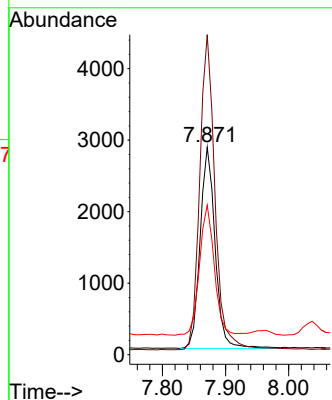
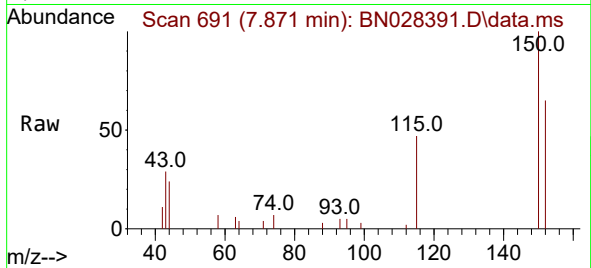




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.871 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN028391.D
 Acq: 25 Oct 2023 01:26

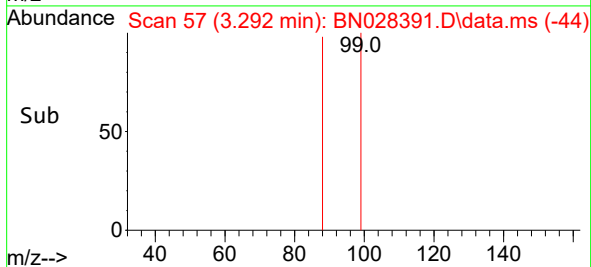
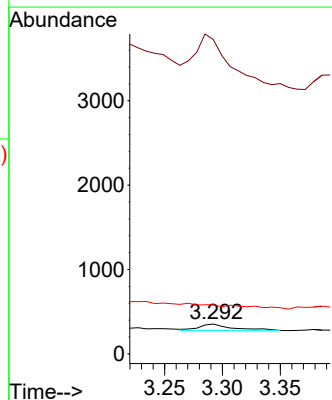
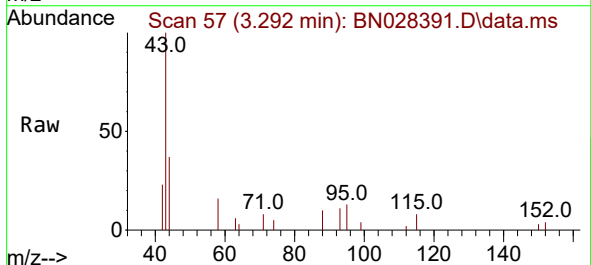
Instrument :
 BNA_N
 ClientSampleId :
 A-6(0-2)

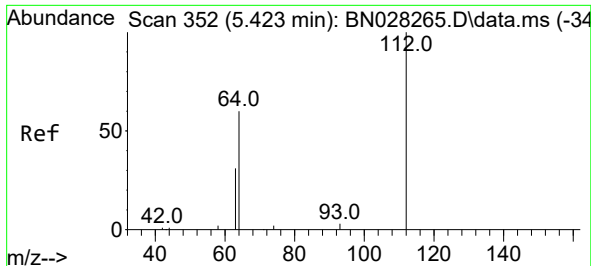
Tgt Ion:152 Resp: 4662
 Ion Ratio Lower Upper
 152 100
 150 154.2 121.6 182.4
 115 72.1 54.3 81.5



#2
 1,4-Dioxane
 Concen: 0.026 ng
 RT: 3.292 min Scan# 57
 Delta R.T. -0.007 min
 Lab File: BN028391.D
 Acq: 25 Oct 2023 01:26

Tgt Ion: 88 Resp: 148
 Ion Ratio Lower Upper
 88 100
 43 801.4 26.6 39.8#
 58 0.0 55.4 83.0#

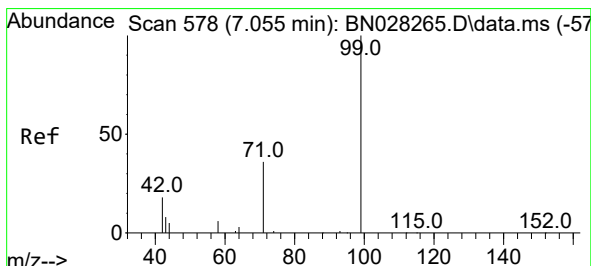
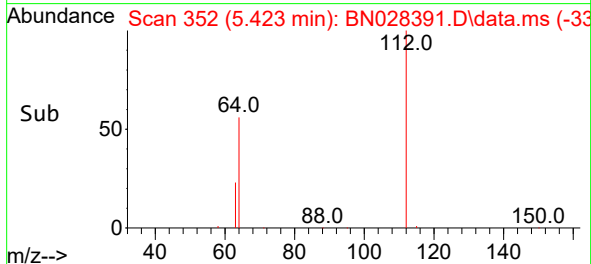
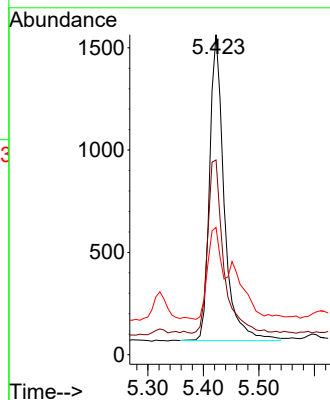
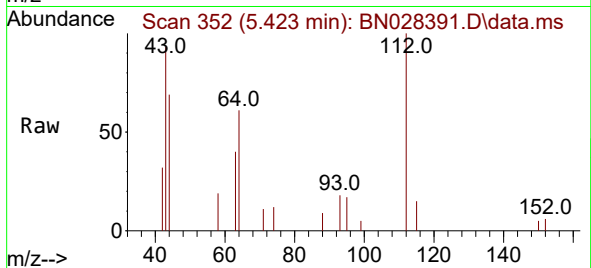




#4
2-Fluorophenol
Concen: 0.189 ng
RT: 5.423 min Scan# 352
Delta R.T. -0.007 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

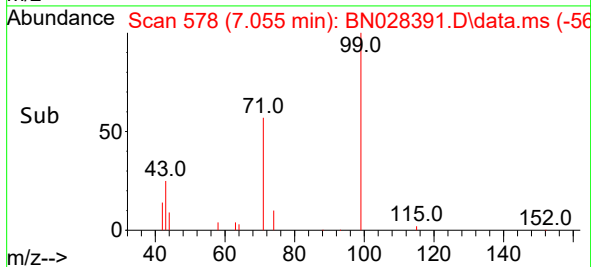
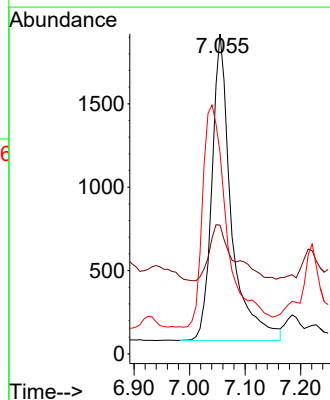
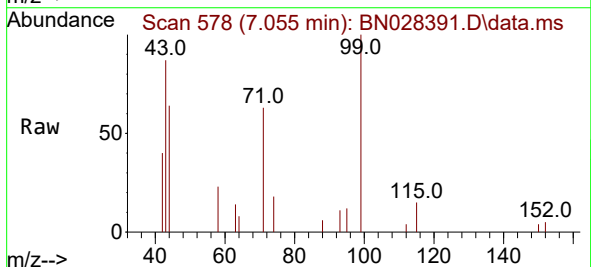
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)

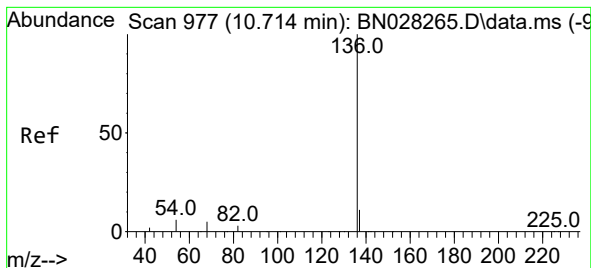
Tgt Ion:112 Resp: 2740
Ion Ratio Lower Upper
112 100
64 61.4 46.9 70.3
63 31.2 25.0 37.4



#5
Phenol-d6
Concen: 0.250 ng
RT: 7.055 min Scan# 578
Delta R.T. -0.000 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Tgt Ion: 99 Resp: 4463
Ion Ratio Lower Upper
99 100
42 23.1 15.9 23.9
71 92.1 28.6 42.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.682 min Scan# 91

Delta R.T. -0.021 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

Instrument :

BNA_N

ClientSampleId :

A-6(0-2)

Tgt Ion:136 Resp: 15321

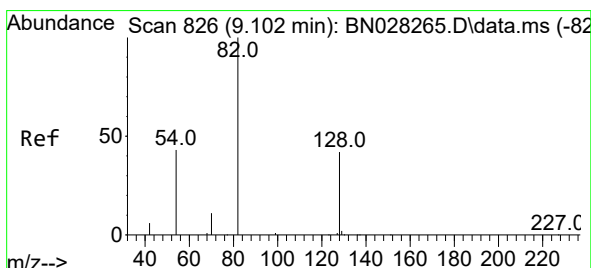
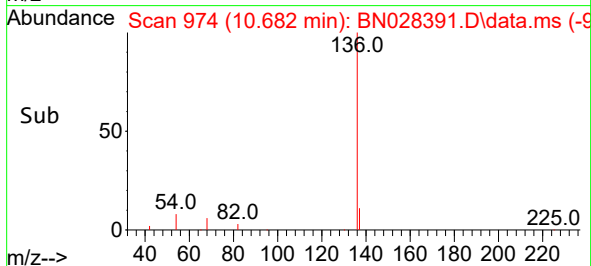
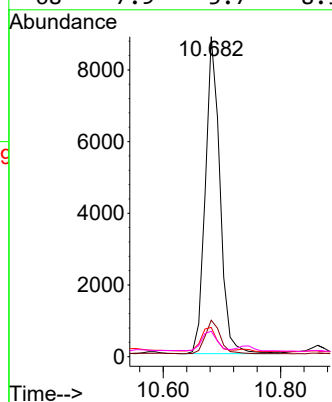
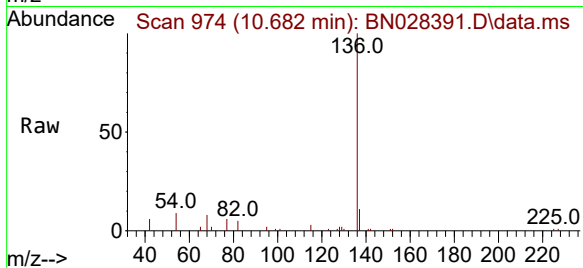
Ion Ratio Lower Upper

136 100

137 11.4 9.8 14.8

54 9.2 6.2 9.4

68 7.9 5.7 8.5



#8

Nitrobenzene-d5

Concen: 0.221 ng

RT: 9.070 min Scan# 823

Delta R.T. -0.032 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

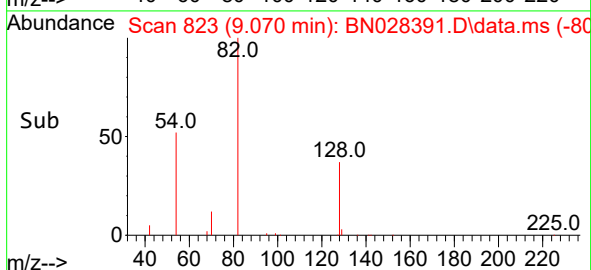
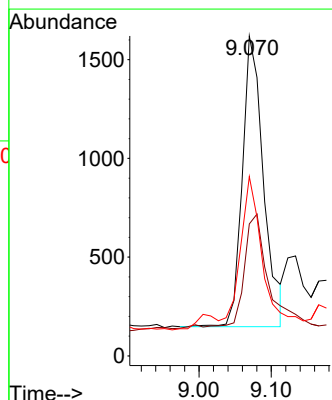
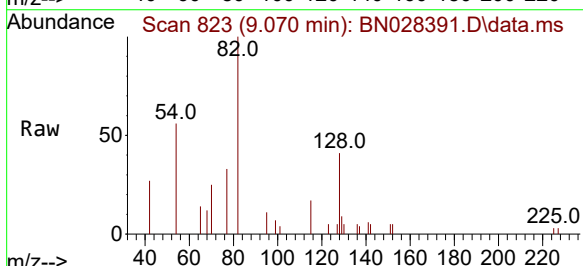
Tgt Ion: 82 Resp: 3009

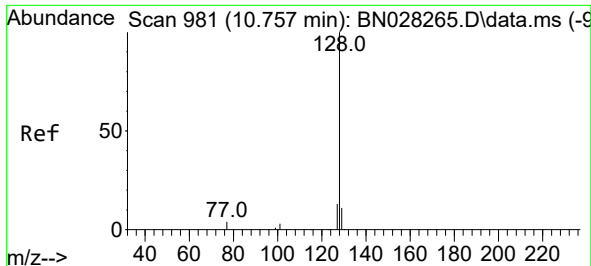
Ion Ratio Lower Upper

82 100

128 41.2 36.8 55.2

54 56.0 37.4 56.2

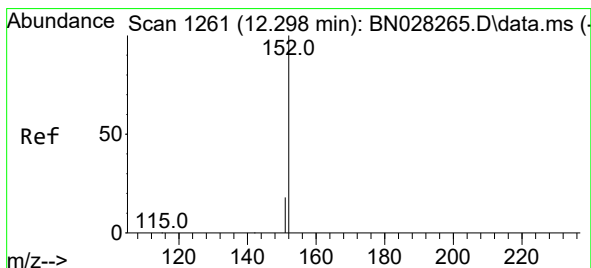
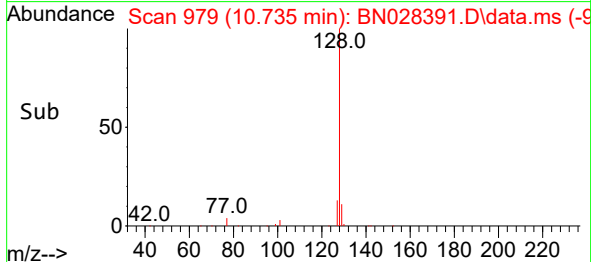
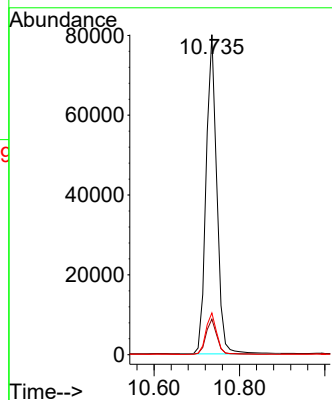
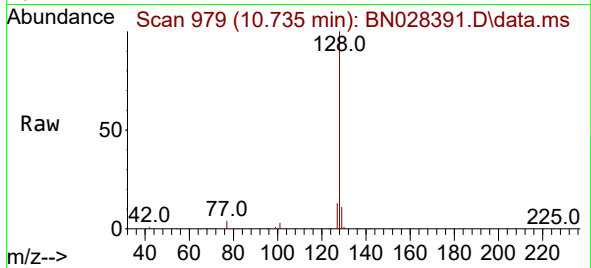




#9
Naphthalene
Concen: 3.500 ng
RT: 10.735 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

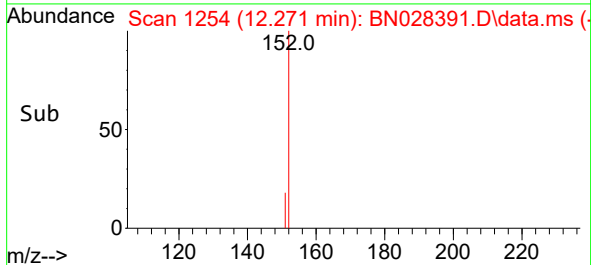
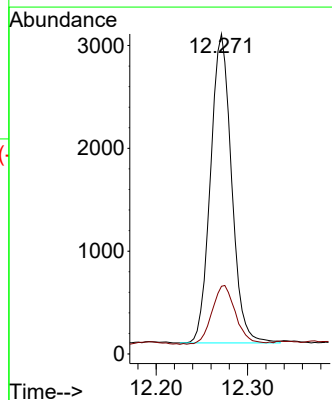
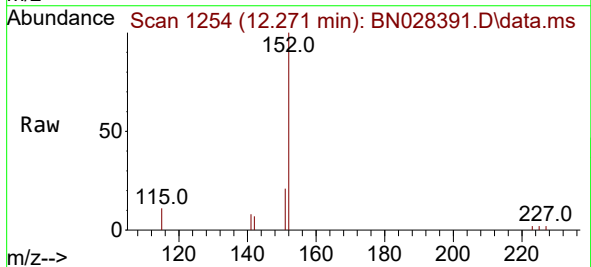
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A-6(0-2)

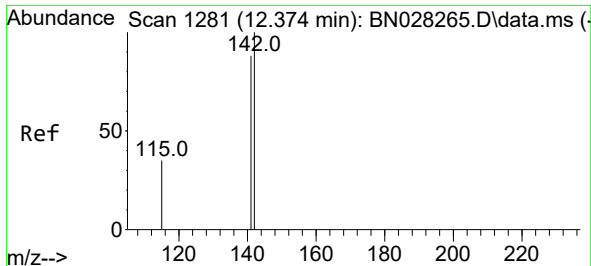
Tgt Ion:128 Resp: 139082
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.6
127 13.1 11.4 17.0



#11
2-Methylnaphthalene-d10
Concen: 0.209 ng
RT: 12.271 min Scan# 1254
Delta R.T. -0.023 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Tgt Ion:152 Resp: 4805
Ion Ratio Lower Upper
152 100
151 21.5 16.1 24.1

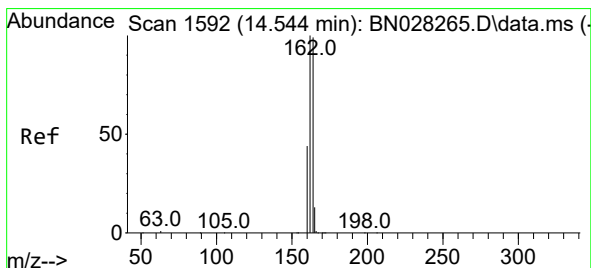
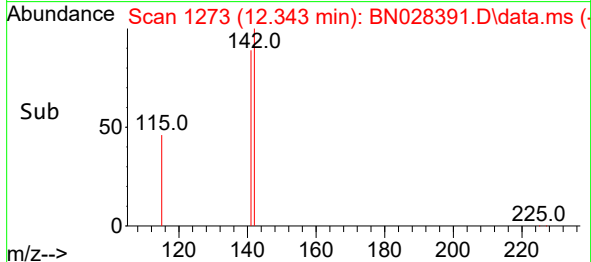
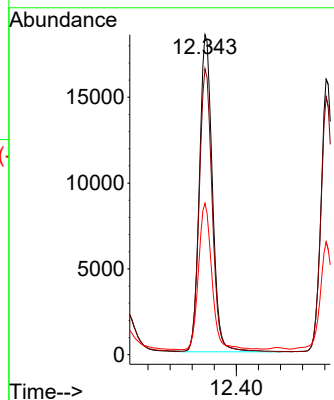
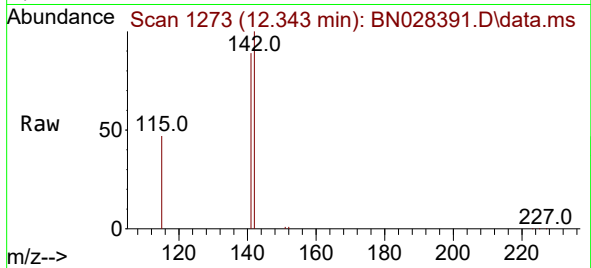




#12
2-Methylnaphthalene
Concen: 1.068 ng
RT: 12.343 min Scan# 11
Delta R.T. -0.026 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

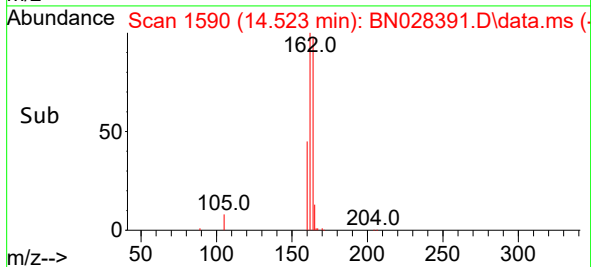
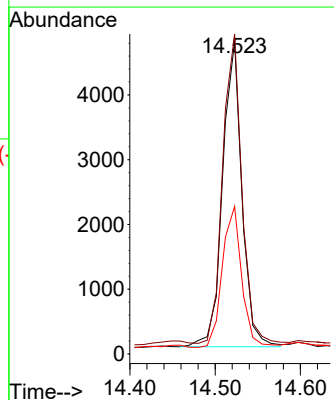
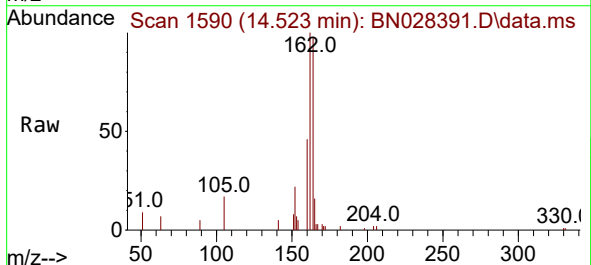
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ClientSampleId :
A-6(0-2)

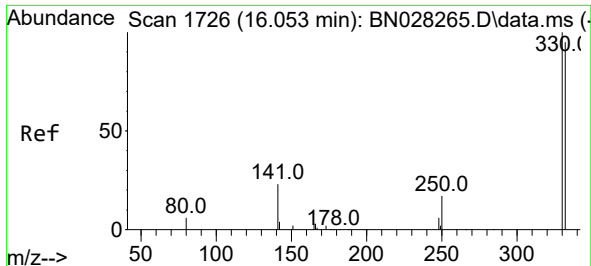
Tgt Ion:142 Resp: 30148
Ion Ratio Lower Upper
142 100
141 89.4 71.1 106.7
115 47.3 29.9 44.9#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 1590
Delta R.T. -0.011 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Tgt Ion:164 Resp: 7432
Ion Ratio Lower Upper
164 100
162 102.4 81.1 121.7
160 47.2 36.6 54.8

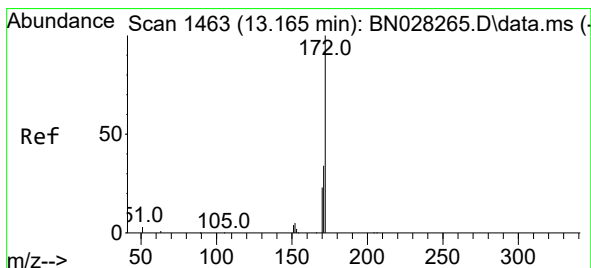
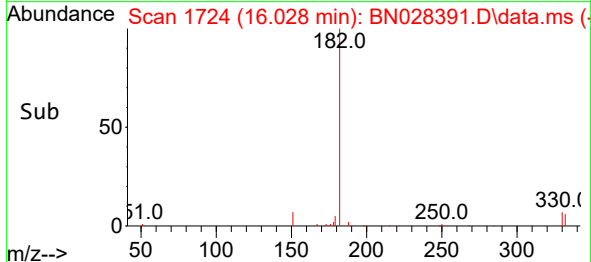
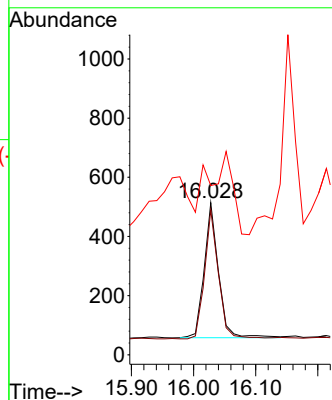
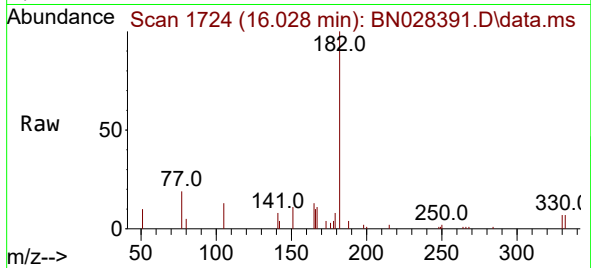




#14
2,4,6-Tribromophenol
Concen: 0.201 ng
RT: 16.028 min Scan# 11
Delta R.T. -0.037 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

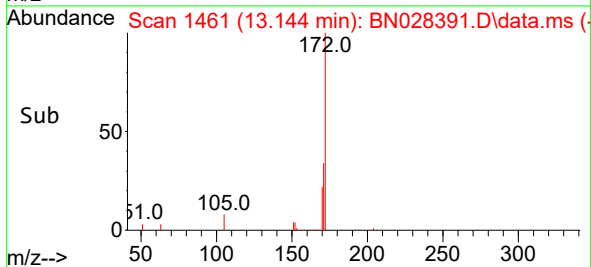
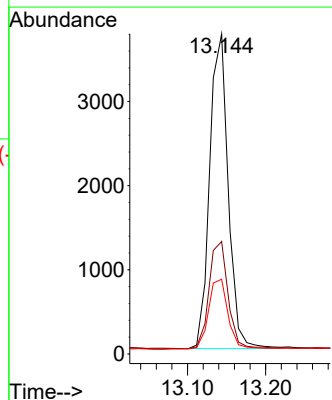
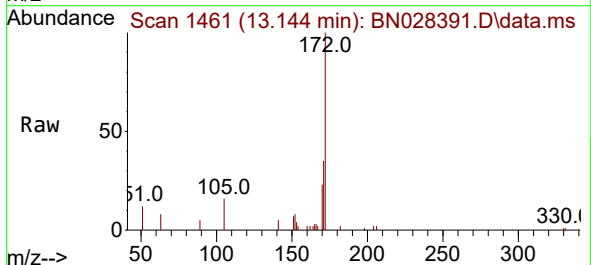
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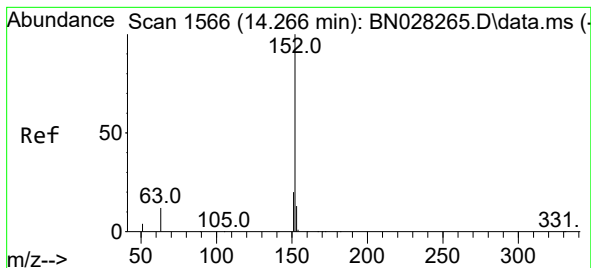
Tgt Ion:330 Resp: 728
Ion Ratio Lower Upper
330 100
332 92.7 74.1 111.1
141 0.0 32.1 48.1#



#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 13.144 min Scan# 1461
Delta R.T. -0.021 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Tgt Ion:172 Resp: 6147
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.3 18.7 28.1





#16

Acenaphthylene

Concen: 13.604 ng

RT: 14.245 min Scan# 1564

Delta R.T. -0.011 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

Instrument :

BNA_N

ClientSampleId :

A-6(0-2)

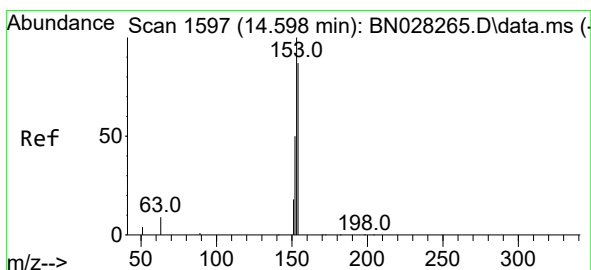
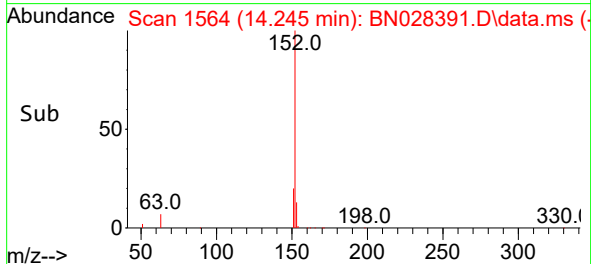
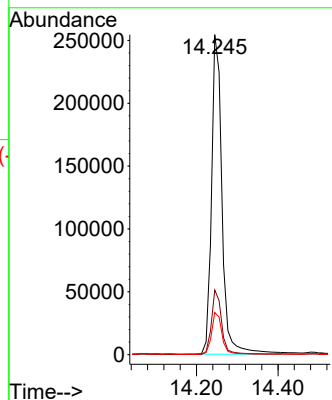
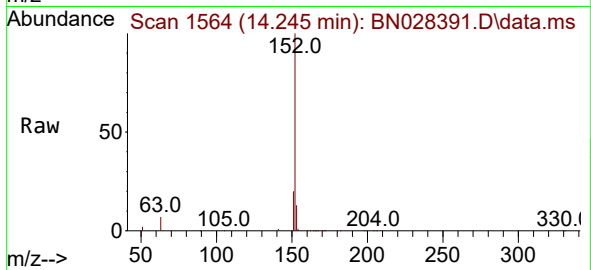
Tgt Ion:152 Resp: 454297

Ion Ratio Lower Upper

152 100

151 19.7 15.6 23.4

153 13.1 10.6 16.0



#17

Acenaphthene

Concen: 1.199 ng

RT: 14.587 min Scan# 1596

Delta R.T. -0.011 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

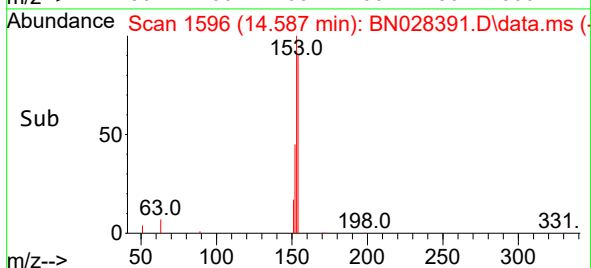
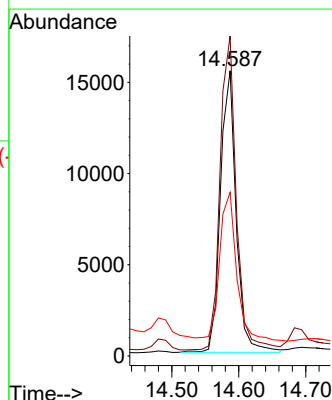
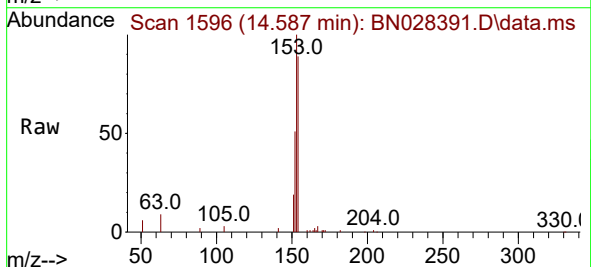
Tgt Ion:154 Resp: 25229

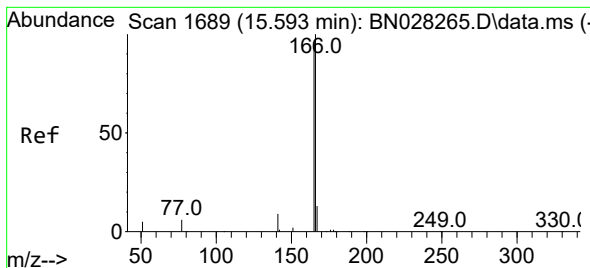
Ion Ratio Lower Upper

154 100

153 114.3 90.7 136.1

152 57.5 43.6 65.4





#18

Fluorene

Concen: 3.751 ng

RT: 15.568 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

Instrument :

BNA_N

ClientSampleId :

A-6(0-2)

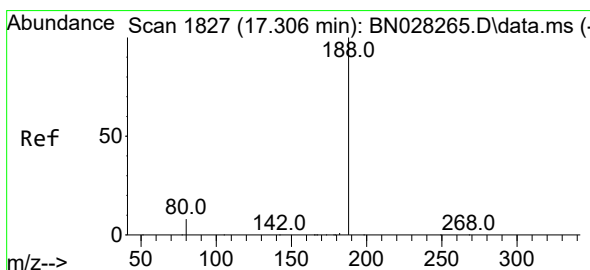
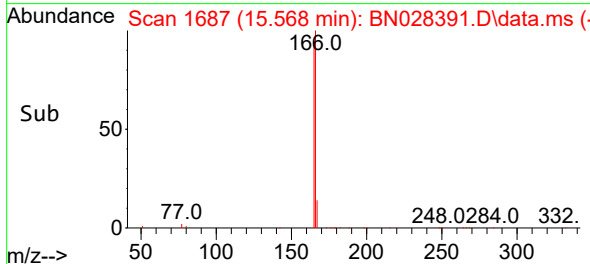
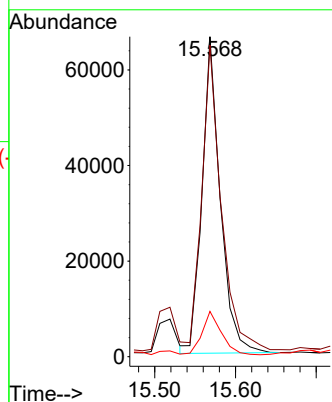
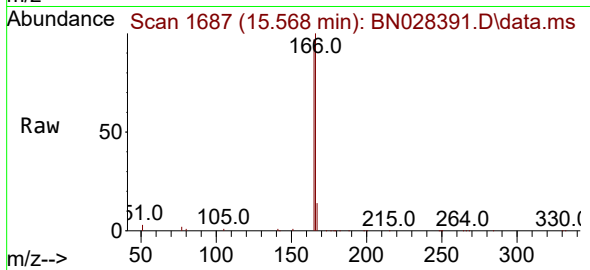
Tgt Ion:166 Resp: 103910

Ion Ratio Lower Upper

166 100

165 102.1 79.3 118.9

167 15.4 10.9 16.3



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.281 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

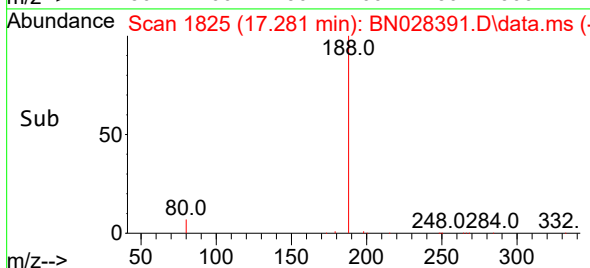
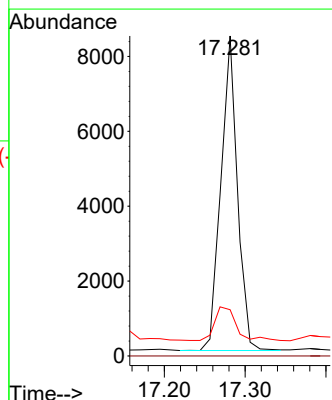
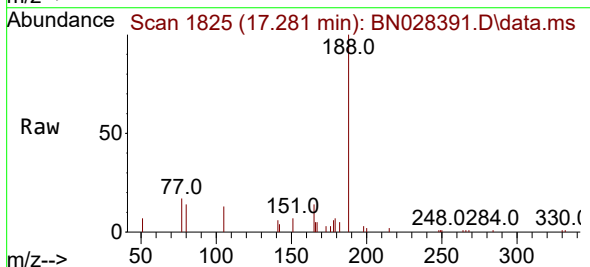
Tgt Ion:188 Resp: 11965

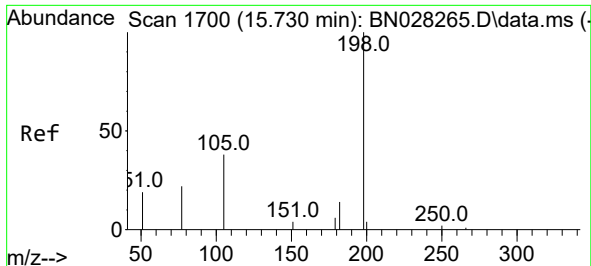
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.4 7.1 10.7#

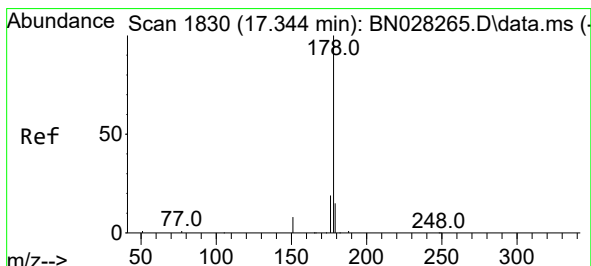
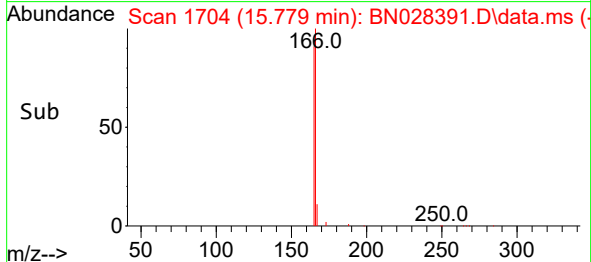
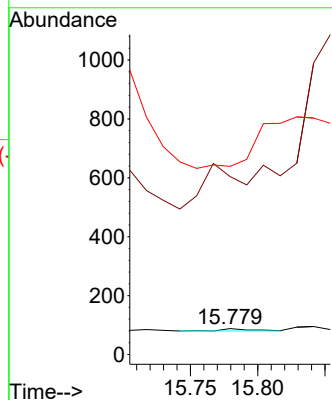
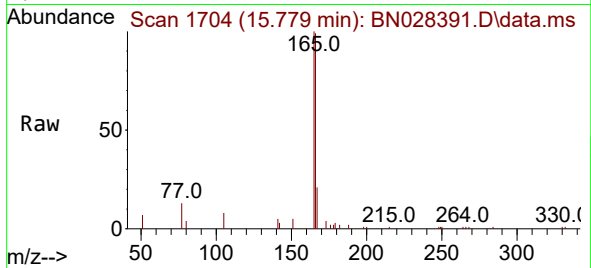




#20
4,6-Dinitro-2-methylphenol
Concen: 0.195 ng
RT: 15.779 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

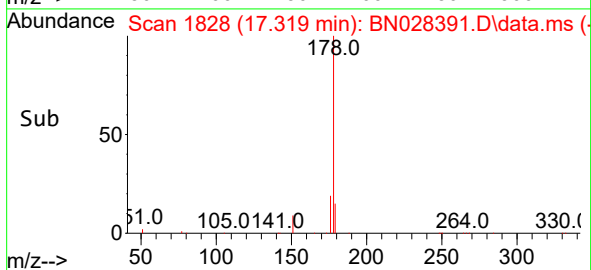
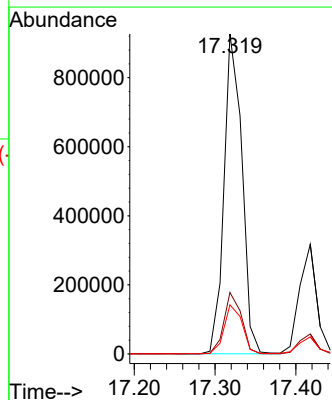
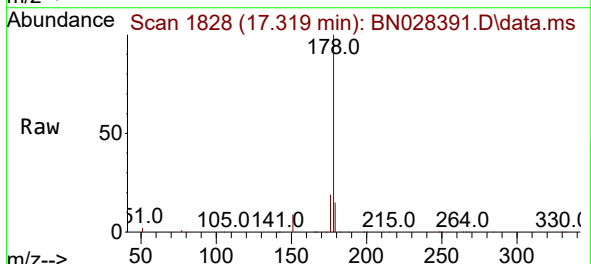
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)

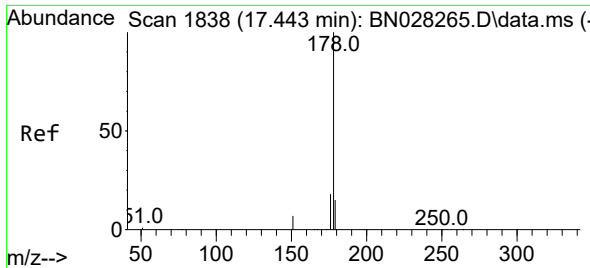
Tgt Ion:198 Resp: 12
Ion Ratio Lower Upper
198 100
51 686.4 96.1 144.1#
105 726.1 75.4 113.0#



#25
Phenanthrene
Concen: 43.564 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Tgt Ion:178 Resp: 1426809
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.4 12.5 18.7

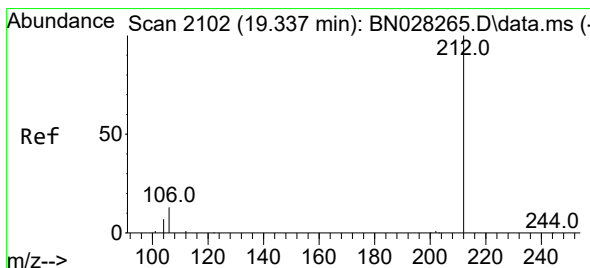
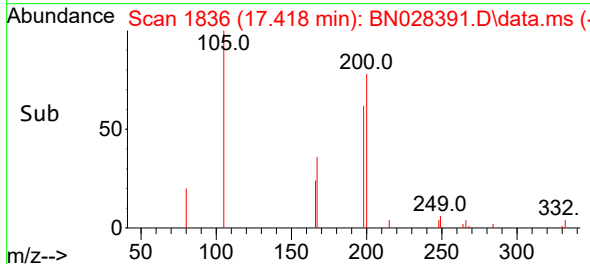
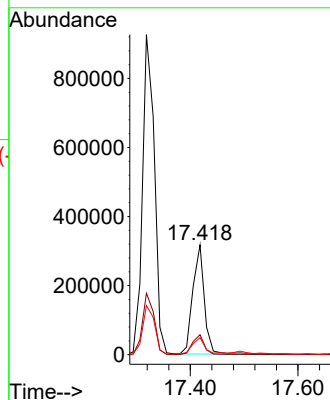
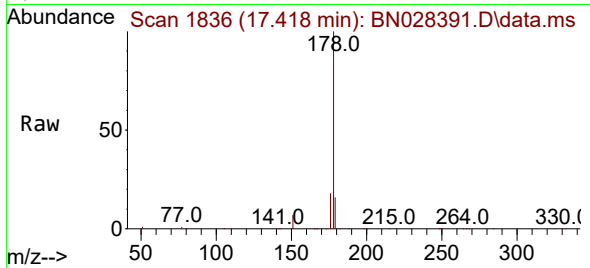




#26
 Anthracene
 Concen: 15.155 ng
 RT: 17.418 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN028391.D
 Acq: 25 Oct 2023 01:26

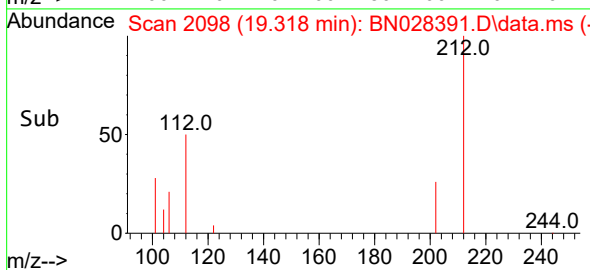
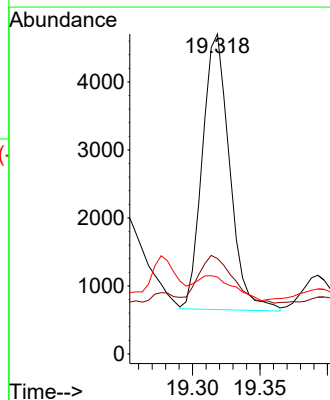
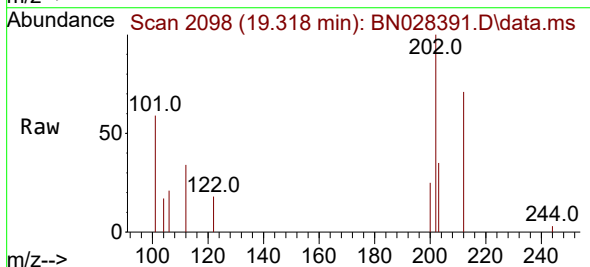
Instrument :
 BNA_N
 ClientSampleId :
 A-6(0-2)

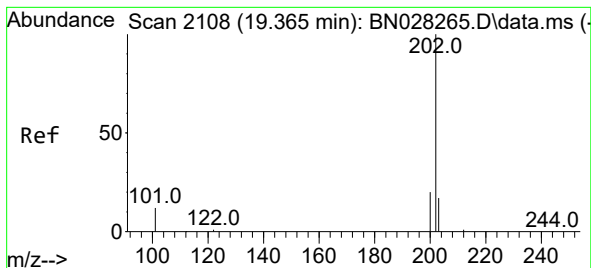
Tgt Ion:178 Resp: 474075
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 22.0
 179 16.9 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.178 ng
 RT: 19.318 min Scan# 2098
 Delta R.T. -0.009 min
 Lab File: BN028391.D
 Acq: 25 Oct 2023 01:26

Tgt Ion:212 Resp: 5696
 Ion Ratio Lower Upper
 212 100
 106 21.6 11.5 17.3#
 104 11.5 6.7 10.1#





#28

Fluoranthene

Concen: 58.516 ng

RT: 19.351 min Scan# 2105

Delta R.T. -0.005 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

Instrument :

BNA_N

ClientSampleId :

A-6(0-2)

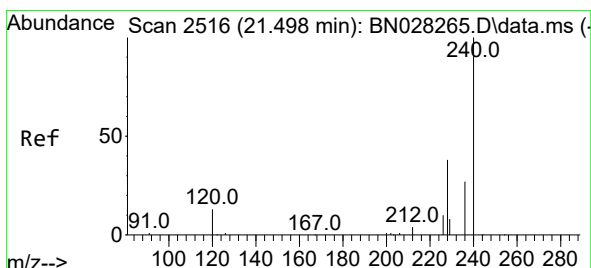
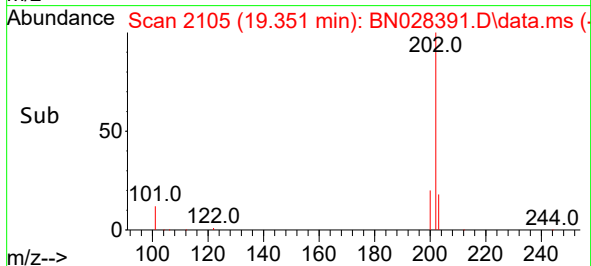
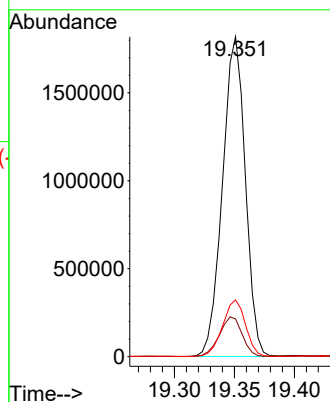
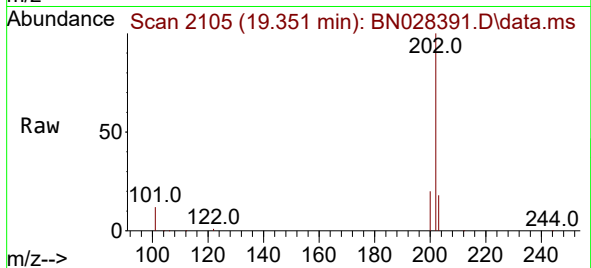
Tgt Ion:202 Resp: 2407679

Ion Ratio Lower Upper

202 100

101 12.4 10.1 15.1

203 17.7 13.9 20.9



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.479 min Scan# 2514

Delta R.T. -0.009 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

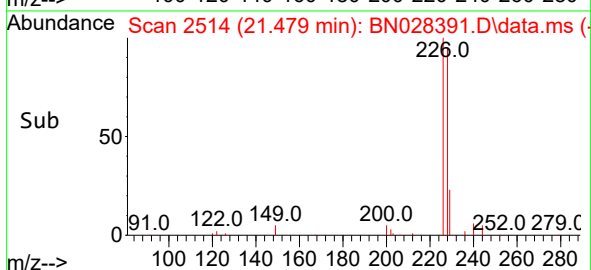
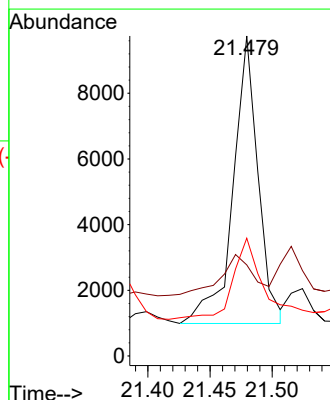
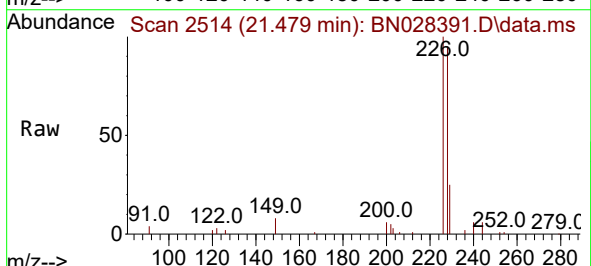
Tgt Ion:240 Resp: 12279

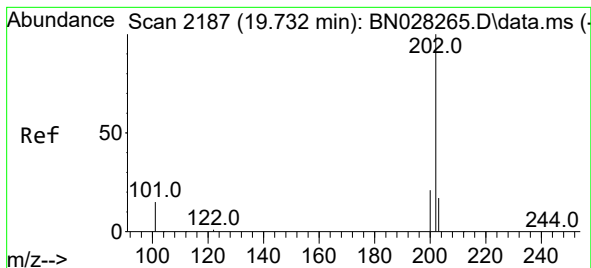
Ion Ratio Lower Upper

240 100

120 28.5 13.4 20.0#

236 36.8 22.7 34.1#





#30

Pyrene

Concen: 51.184 ng

RT: 19.718 min Scan# 2184

Delta R.T. -0.009 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

Instrument :

BNA_N

ClientSampleId :

A-6(0-2)

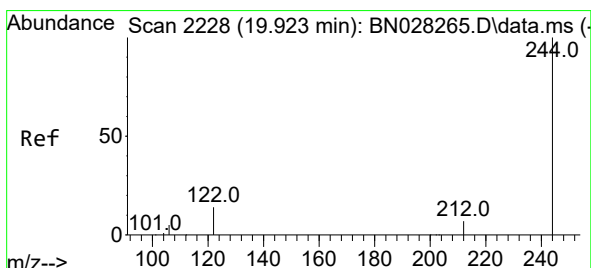
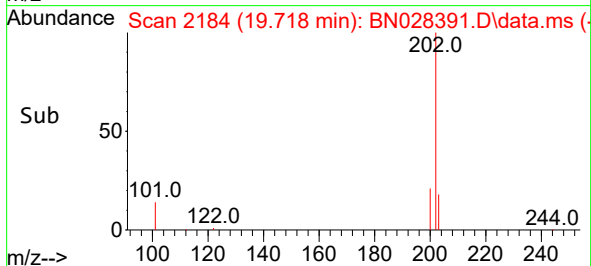
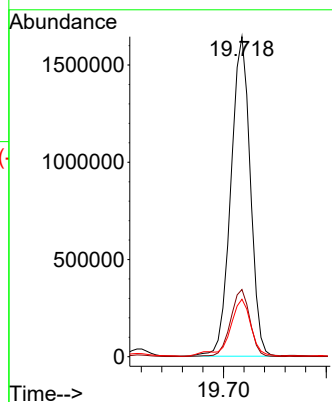
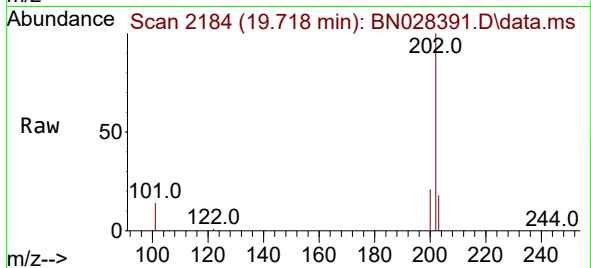
Tgt Ion:202 Resp: 2150578

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 19.2 14.5 21.7



#31

Terphenyl-d14

Concen: 0.206 ng

RT: 19.904 min Scan# 2224

Delta R.T. -0.014 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

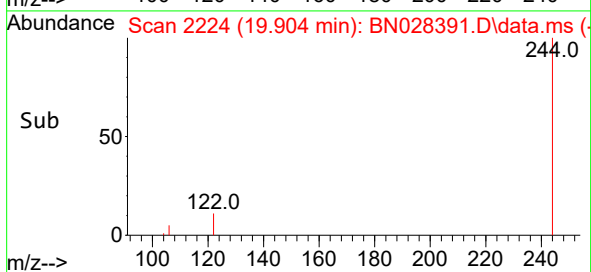
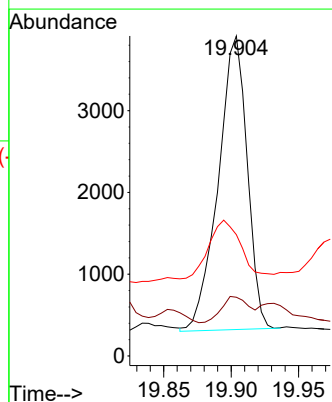
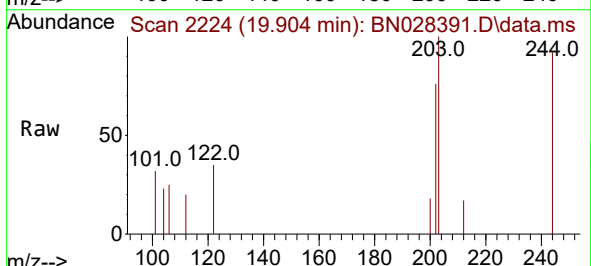
Tgt Ion:244 Resp: 5365

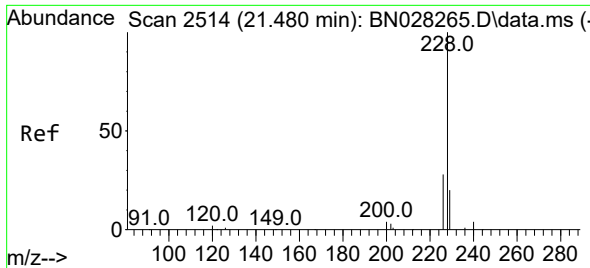
Ion Ratio Lower Upper

244 100

212 18.3 6.6 10.0#

122 37.9 11.7 17.5#

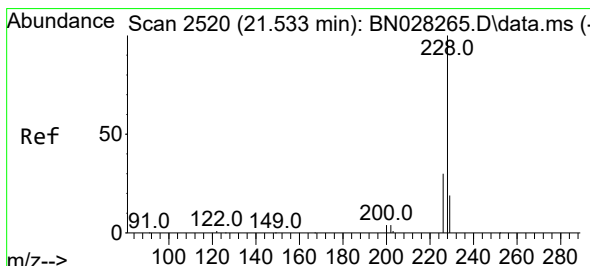
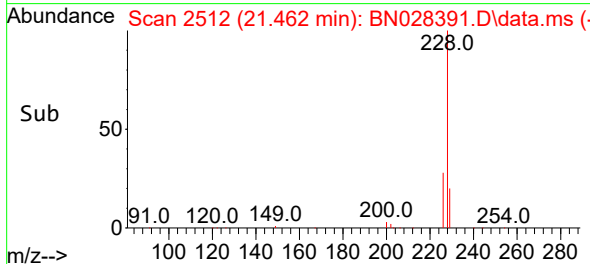
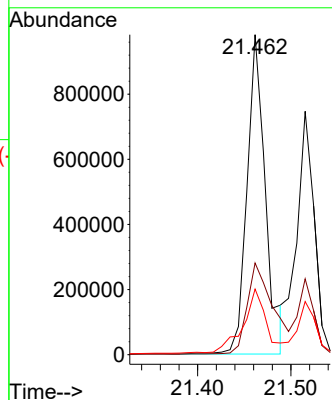
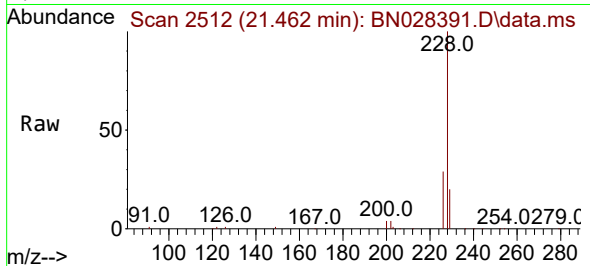




#32
Benzo(a)anthracene
Concen: 30.815 ng
RT: 21.462 min Scan# 2148
Delta R.T. -0.009 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

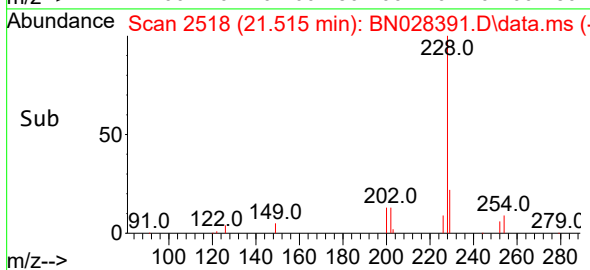
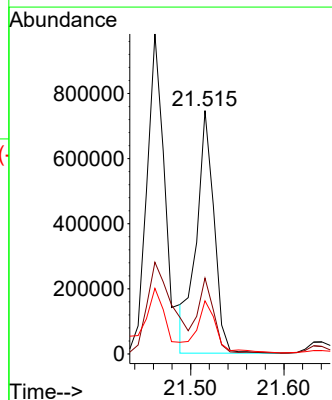
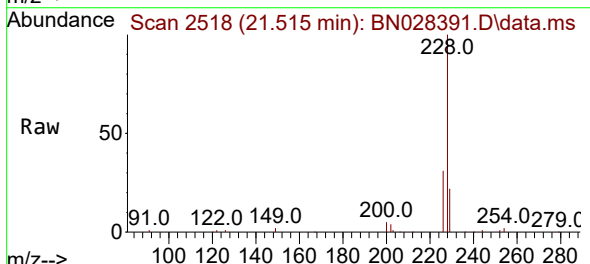
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)

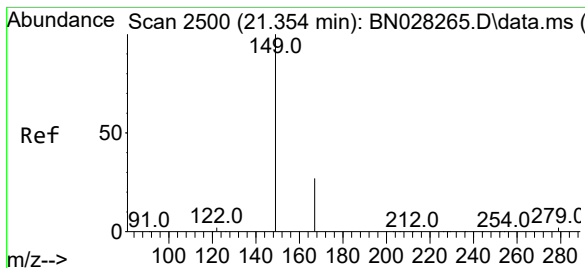
Tgt Ion:228 Resp: 1344189
Ion Ratio Lower Upper
228 100
226 28.7 22.9 34.3
229 20.5 16.6 24.8



#33
Chrysene
Concen: 23.364 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.009 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Tgt Ion:228 Resp: 975442
Ion Ratio Lower Upper
228 100
226 31.2 25.2 37.8
229 21.8 16.6 25.0

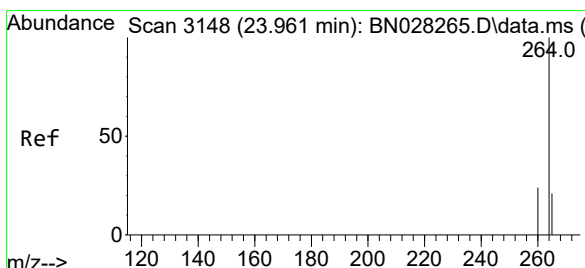
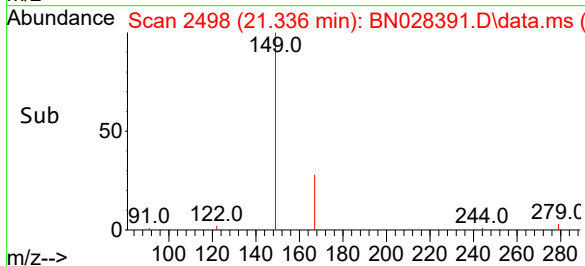
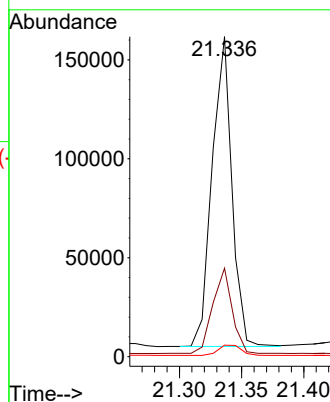
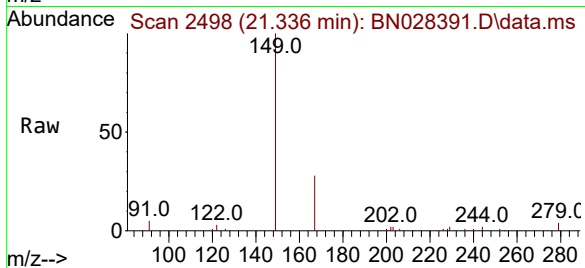




#34
Bis(2-ethylhexyl)phthalate
Concen: 5.185 ng
RT: 21.336 min Scan# 2498
Delta R.T. -0.009 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

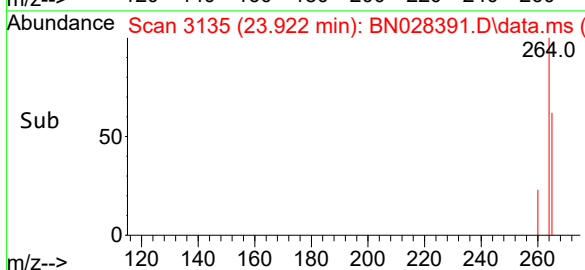
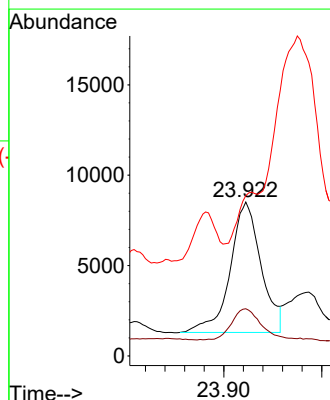
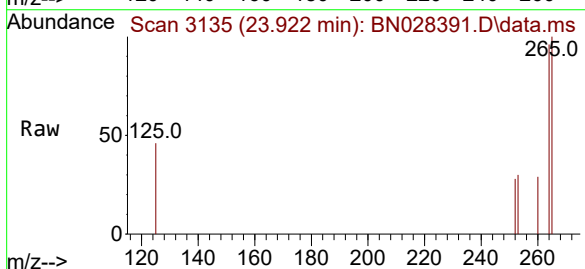
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)

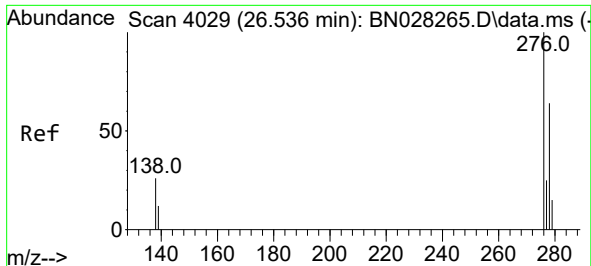
Tgt Ion:149 Resp: 172777
Ion Ratio Lower Upper
149 100
167 27.0 22.6 34.0
279 3.9 4.2 6.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.922 min Scan# 3135
Delta R.T. -0.015 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Tgt Ion:264 Resp: 15855
Ion Ratio Lower Upper
264 100
260 30.6 20.7 31.1
265 104.1 38.3 57.5#

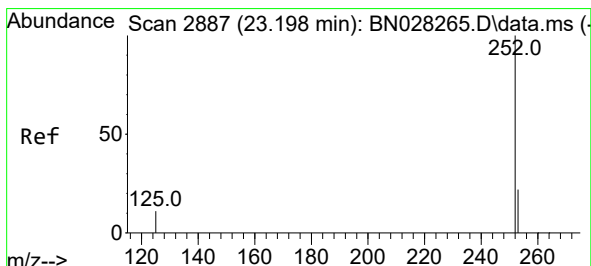
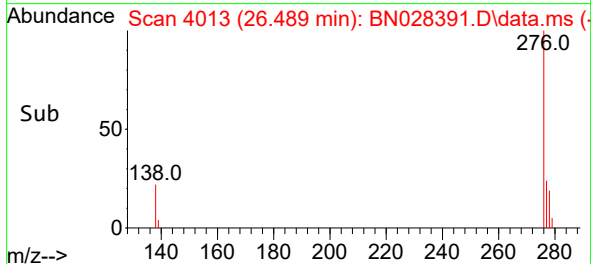
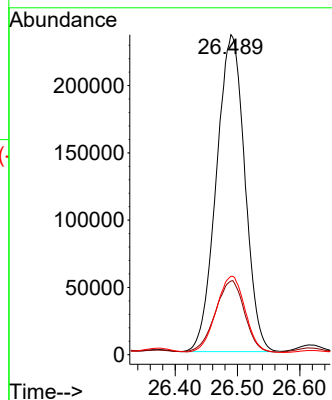
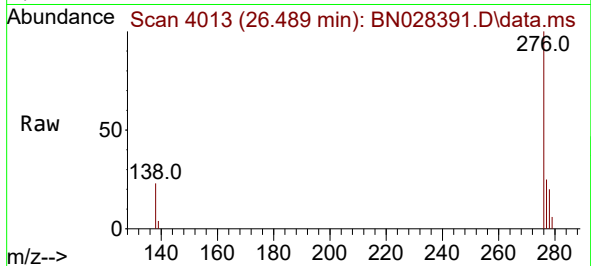




#36
Indeno(1,2,3-cd)pyrene
Concen: 11.647 ng
RT: 26.489 min Scan# 4029
Delta R.T. -0.015 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

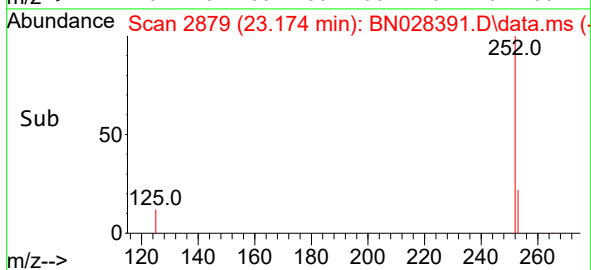
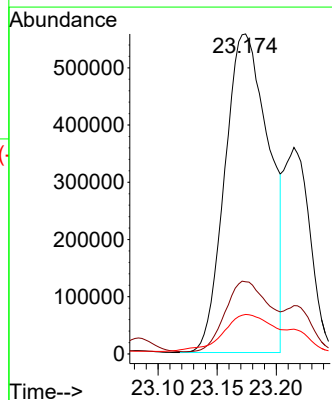
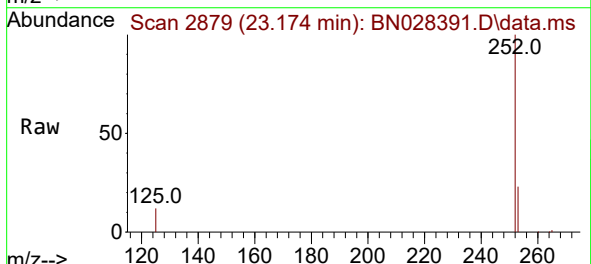
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)

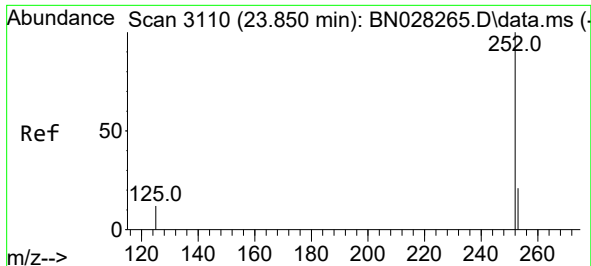
Tgt Ion:276 Resp: 744498
Ion Ratio Lower Upper
276 100
138 23.1 21.3 31.9
277 24.4 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 29.102 ng
RT: 23.174 min Scan# 2879
Delta R.T. -0.003 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Tgt Ion:252 Resp: 1442256
Ion Ratio Lower Upper
252 100
253 22.5 21.8 32.8
125 12.4 15.6 23.4#





#39

Benzo(a)pyrene

Concen: 5.953 ng

RT: 23.978 min Scan# 3110

Delta R.T. 0.149 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

Instrument :

BNA_N

ClientSampleId :

A-6(0-2)

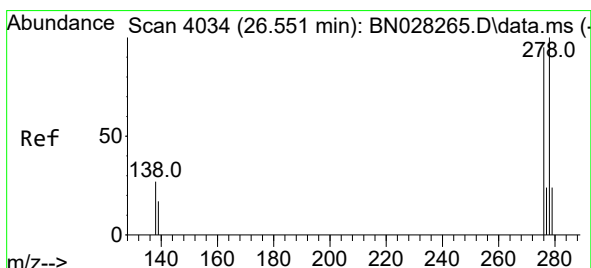
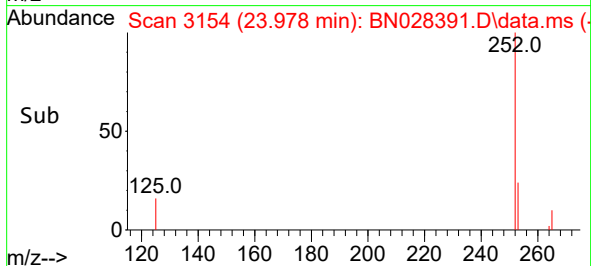
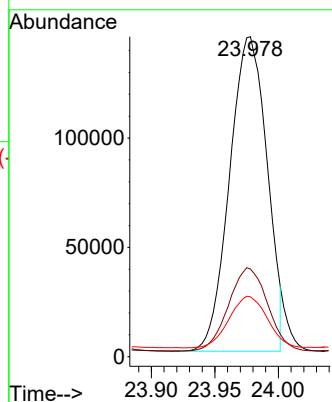
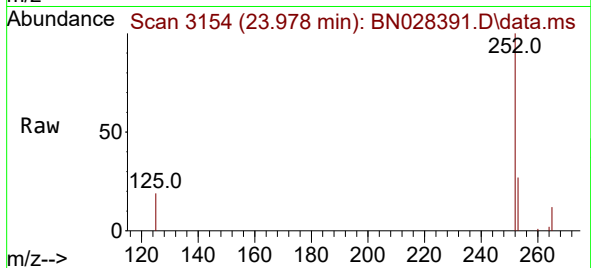
Tgt Ion:252 Resp: 293464

Ion Ratio Lower Upper

252 100

253 27.4 22.7 34.1

125 18.7 17.0 25.6



#40

Dibenzo(a,h)anthracene

Concen: 3.912 ng

RT: 26.495 min Scan# 4015

Delta R.T. -0.023 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

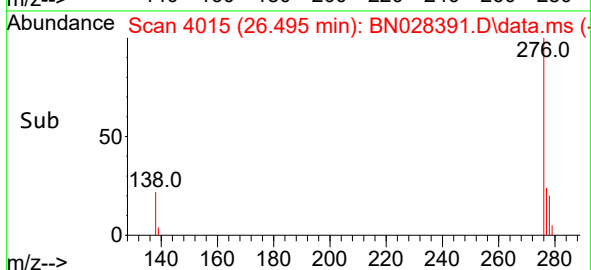
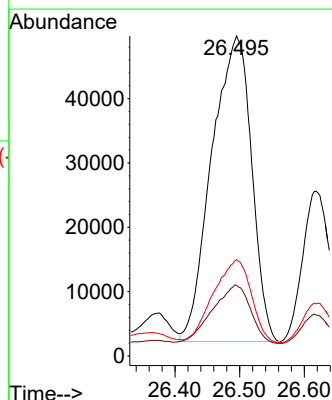
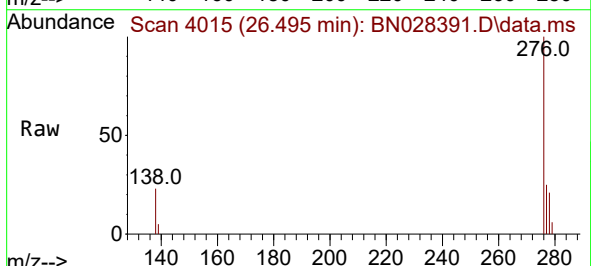
Tgt Ion:278 Resp: 203008

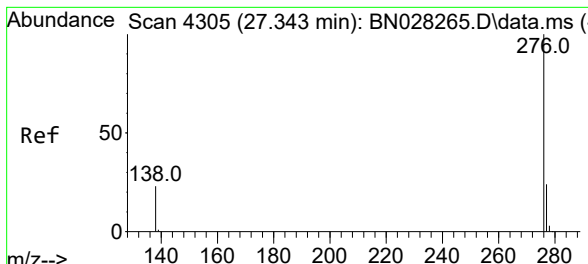
Ion Ratio Lower Upper

278 100

139 22.1 18.8 28.2

279 30.1 23.5 35.3





#41

Benzo(g,h,i)perylene

Concen: 13.205 ng

RT: 27.299 min Scan# 41

Delta R.T. -0.006 min

Lab File: BN028391.D

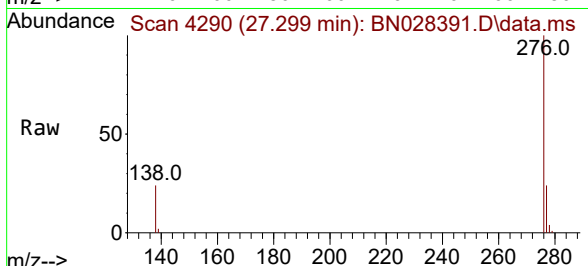
Acq: 25 Oct 2023 01:26

Instrument :

BNA_N

ClientSampleId :

A-6(0-2)



Tgt Ion:276 Resp: 707489

Ion Ratio Lower Upper

276 100

277 24.4 21.7 32.5

138 23.9 21.7 32.5

