

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028394.D
 Acq On : 25 Oct 2023 03:14
 Operator : MA/JU
 Sample : 04938-15 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-8(0-2)

Quant Time: Oct 25 04:29:22 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

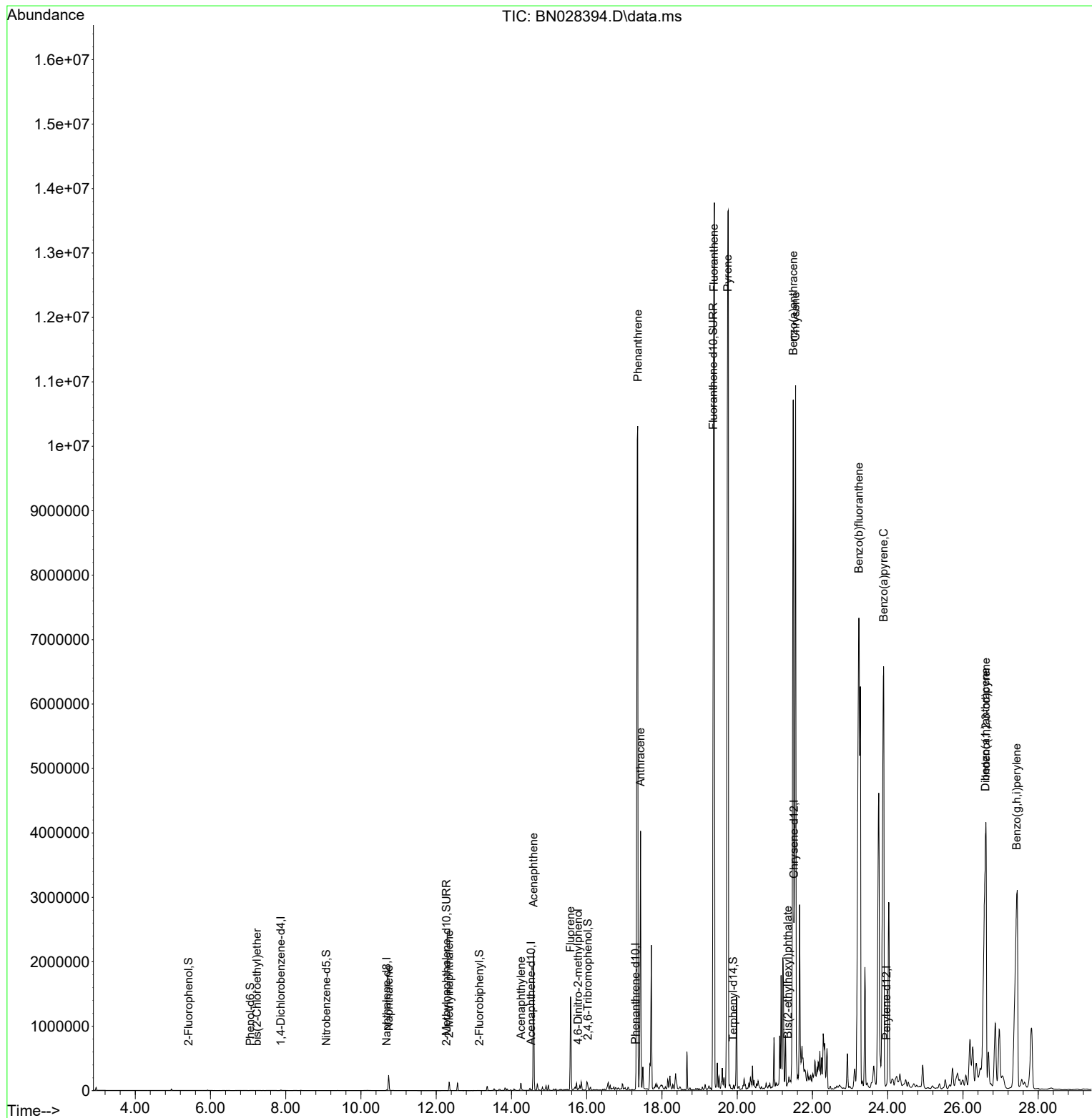
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	3731	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	12803	0.400	ng	-0.02
13) Acenaphthene-d10	14.523	164	7116	0.400	ng	-0.01
19) Phenanthrene-d10	17.294	188	10774	0.400	ng	# 0.00
29) Chrysene-d12	21.506	240	9434	0.400	ng	# 0.02
35) Perylene-d12	23.966	264	15231	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.415	112	479	0.041	ng	-0.01
5) Phenol-d6	7.055	99	564	0.040	ng	0.00
8) Nitrobenzene-d5	9.080	82	422	0.037	ng	-0.02
11) 2-Methylnaphthalene-d10	12.271	152	742	0.039	ng	-0.02
14) 2,4,6-Tribromophenol	16.028	330	133	0.038	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	930	0.037	ng	-0.02
27) Fluoranthene-d10	19.365	212	1812	0.063	ng	0.04
31) Terphenyl-d14	19.895	244	10492	0.524	ng	-0.02
Target Compounds						
6) bis(2-Chloroethyl)ether	7.235	93	317	0.029	ng	# 19
9) Naphthalene	10.735	128	307630	9.263	ng	97
12) 2-Methylnaphthalene	12.343	142	92735	3.930	ng	99
16) Acenaphthylene	14.256	152	153291	4.794	ng	99
17) Acenaphthene	14.587	154	1043796	51.805	ng	98
18) Fluorene	15.568	166	1025607	38.669	ng	97
20) 4,6-Dinitro-2-methylph...	15.767	198	33	0.226	ng	# 1
25) Phenanthrene	17.356	178	14810075	502.178	ng	98
26) Anthracene	17.430	178	3876373	137.619	ng	# 93
28) Fluoranthene	19.384	202	22566893	609.090	ng	96
30) Pyrene	19.751	202	21139363	654.846	ng	# 79
32) Benzo(a)anthracene	21.488	228	13228684	394.719	ng	97
33) Chrysene	21.551	228	11246607	350.620	ng	96
34) Bis(2-ethylhexyl)phtha...	21.345	149	15837	0.619	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.609	276	10047761	163.629	ng	96
37) Benzo(b)fluoranthene	23.233	252	18202100	382.333	ng	# 89
39) Benzo(a)pyrene	23.890	252	13560280	286.330	ng	# 88
40) Dibenzo(a,h)anthracene	26.598	278	2217921	44.491	ng	95
41) Benzo(g,h,i)perylene	27.428	276	9702632	188.511	ng	97

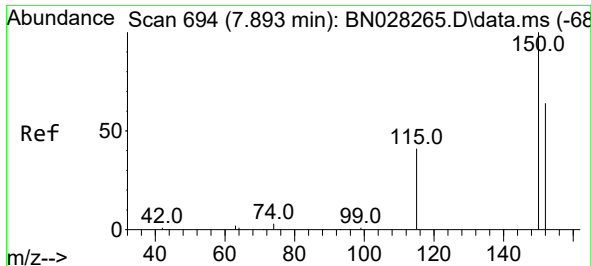
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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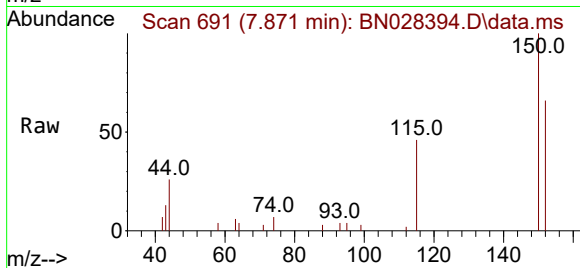
Quant Time: Oct 25 04:29:22 2023
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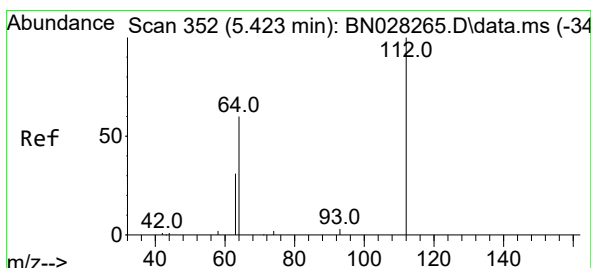
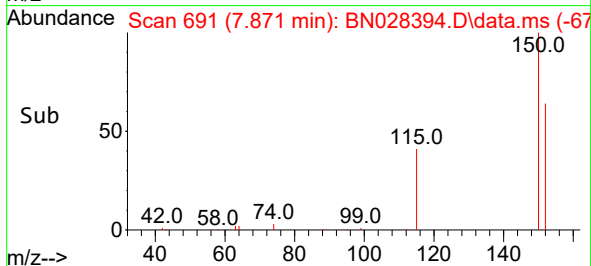
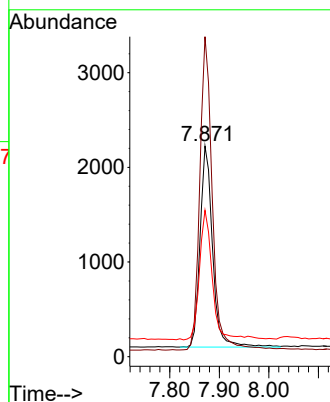


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.871 min Scan# 694
Delta R.T. -0.007 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
A-8(0-2)

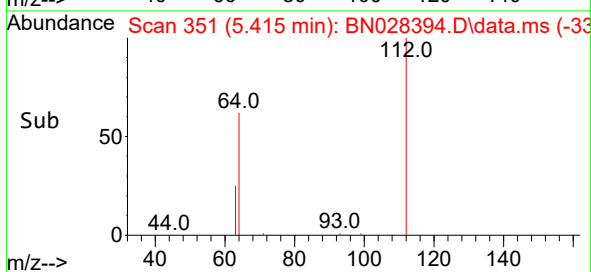
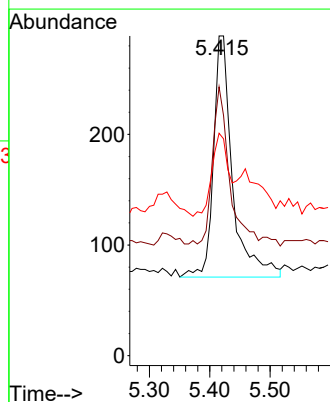
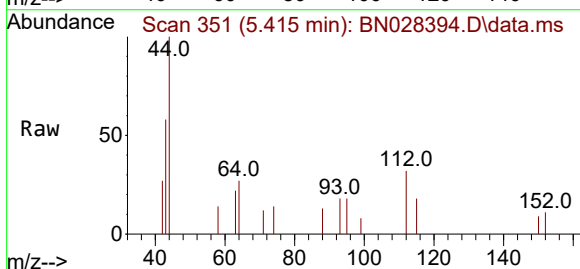


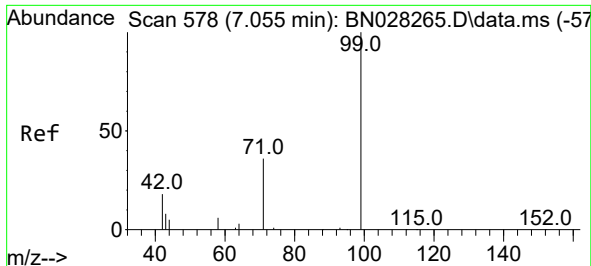
Tgt Ion:152 Resp: 3731
Ion Ratio Lower Upper
152 100
150 151.9 121.6 182.4
115 69.5 54.3 81.5



#4
2-Fluorophenol
Concen: 0.041 ng
RT: 5.415 min Scan# 351
Delta R.T. -0.014 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:112 Resp: 479
Ion Ratio Lower Upper
112 100
64 57.0 46.9 70.3
63 29.2 25.0 37.4





#5

Phenol-d6

Concen: 0.040 ng

RT: 7.055 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

Instrument :

BNA_N

ClientSampleId :

A-8(0-2)

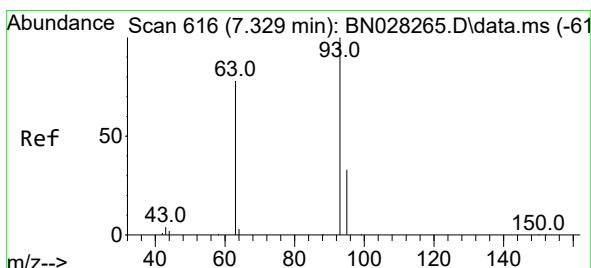
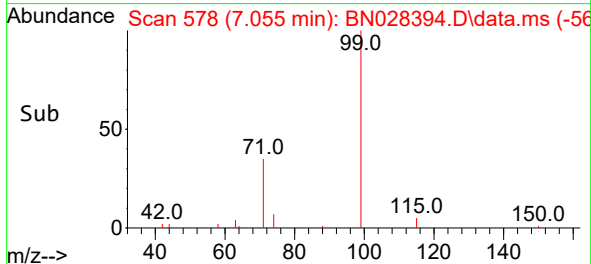
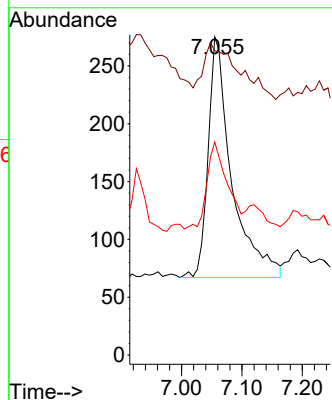
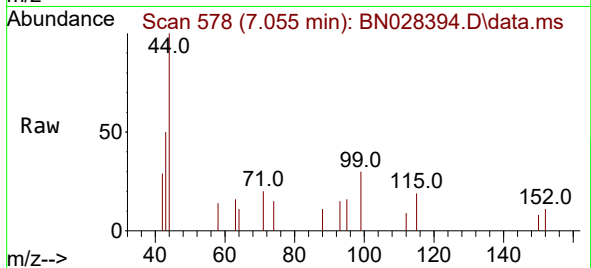
Tgt Ion: 99 Resp: 564

Ion Ratio Lower Upper

99 100

42 35.1 15.9 23.9#

71 31.6 28.6 42.8



#6

bis(2-Chloroethyl)ether

Concen: 0.029 ng

RT: 7.235 min Scan# 603

Delta R.T. -0.087 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

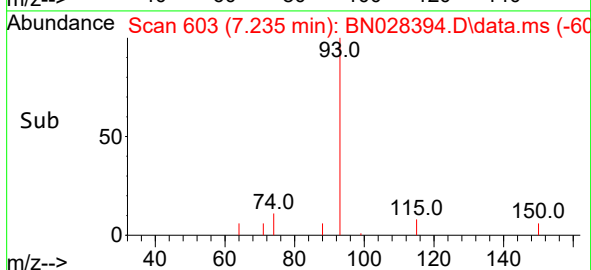
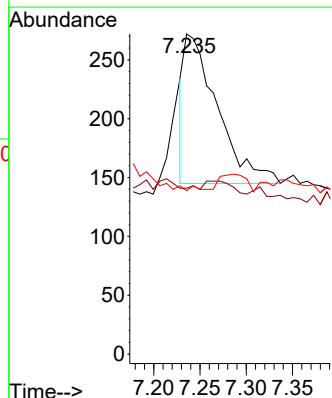
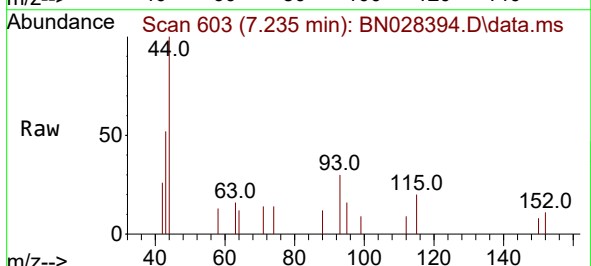
Tgt Ion: 93 Resp: 317

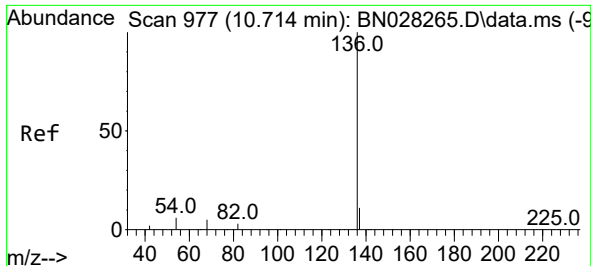
Ion Ratio Lower Upper

93 100

63 0.0 62.6 93.8#

95 0.0 27.2 40.8#

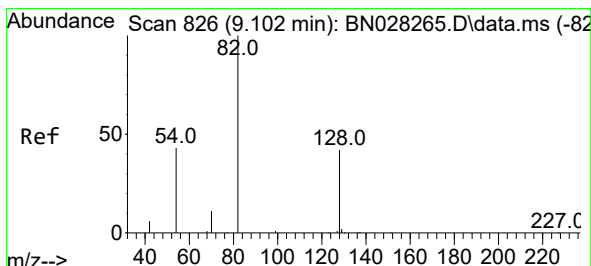
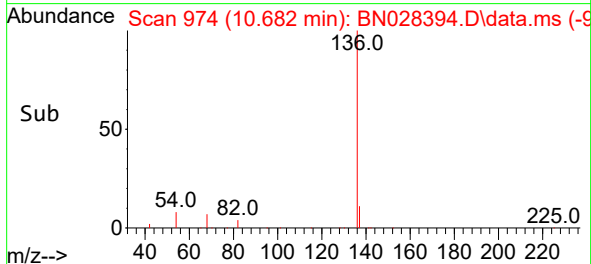
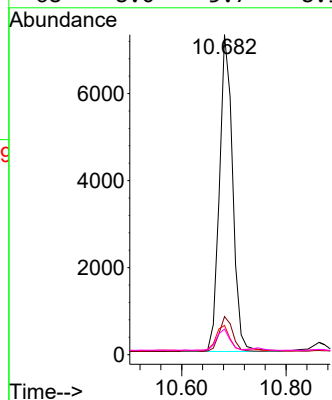
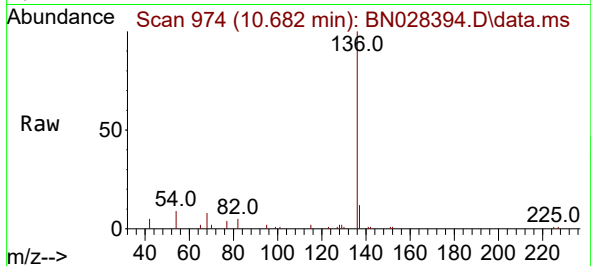




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

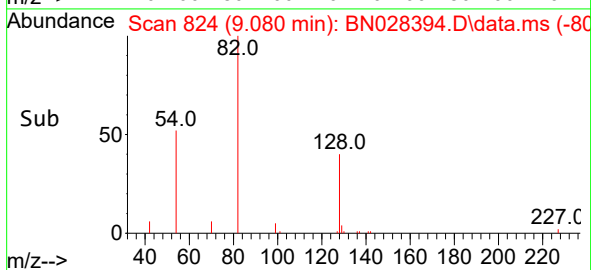
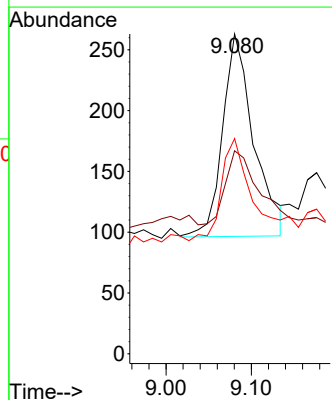
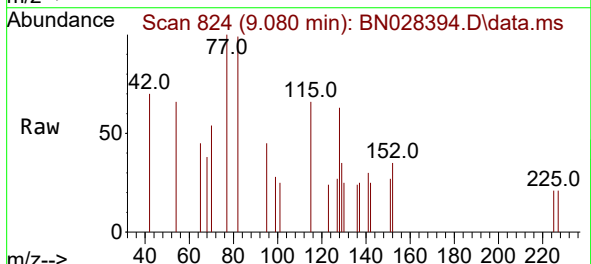
Instrument :
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A-8(0-2)

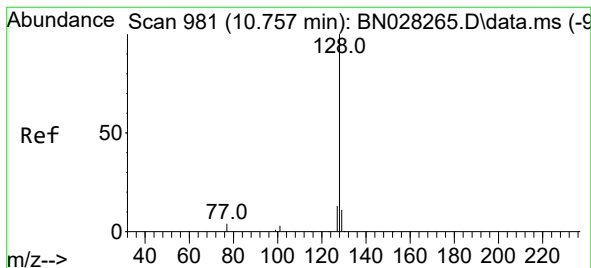
Tgt Ion:	136	Resp:	12803
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.8	14.8
54	9.1	6.2	9.4
68	8.0	5.7	8.5



#8
Nitrobenzene-d5
Concen: 0.037 ng
RT: 9.080 min Scan# 824
Delta R.T. -0.021 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:	82	Resp:	422
Ion Ratio	Lower	Upper	
82	100		
128	63.5	36.8	55.2#
54	67.3	37.4	56.2#





#9

Naphthalene

Concen: 9.263 ng

RT: 10.735 min Scan# 91

Delta R.T. -0.021 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

Instrument :

BNA_N

ClientSampleId :

A-8(0-2)

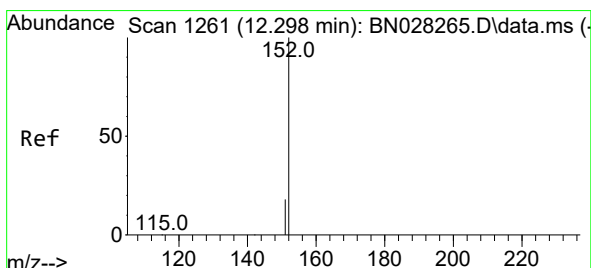
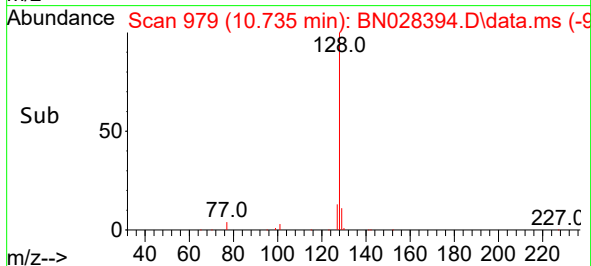
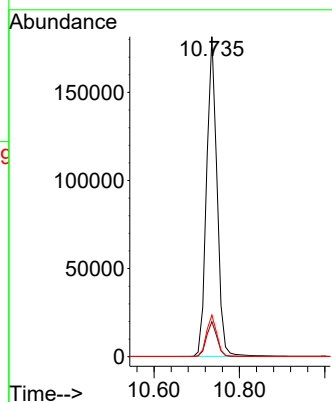
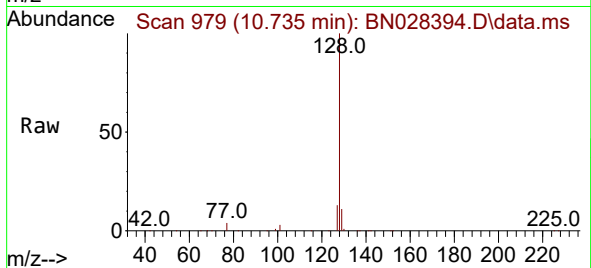
Tgt Ion:128 Resp: 307630

Ion Ratio Lower Upper

128 100

129 10.9 9.8 14.6

127 13.0 11.4 17.0



#11

2-Methylnaphthalene-d10

Concen: 0.039 ng

RT: 12.271 min Scan# 1254

Delta R.T. -0.023 min

Lab File: BN028394.D

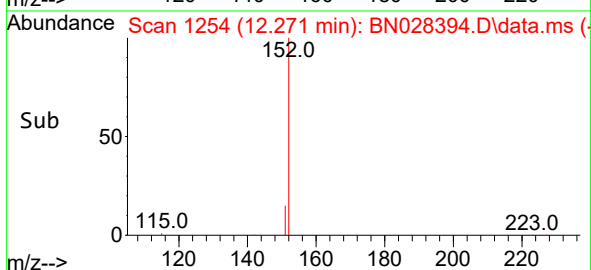
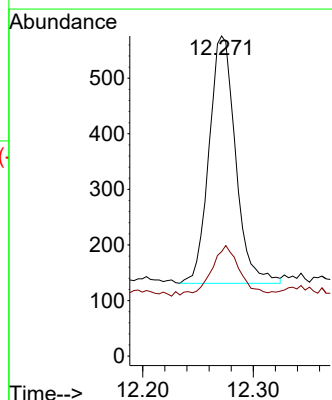
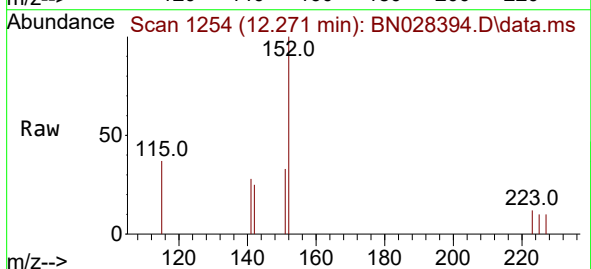
Acq: 25 Oct 2023 03:14

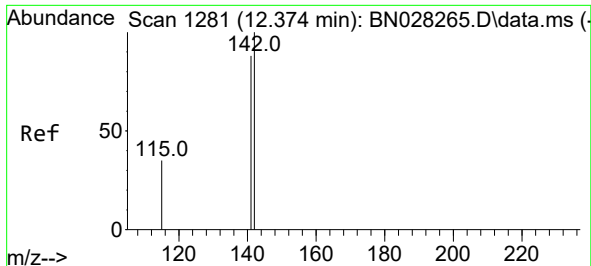
Tgt Ion:152 Resp: 742

Ion Ratio Lower Upper

152 100

151 22.4 16.1 24.1

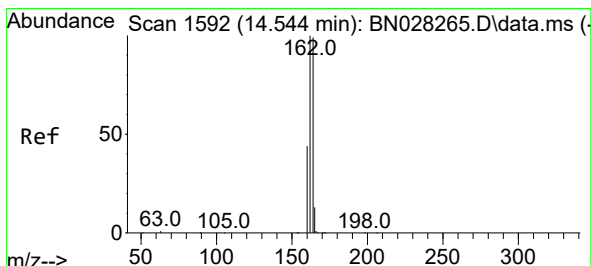
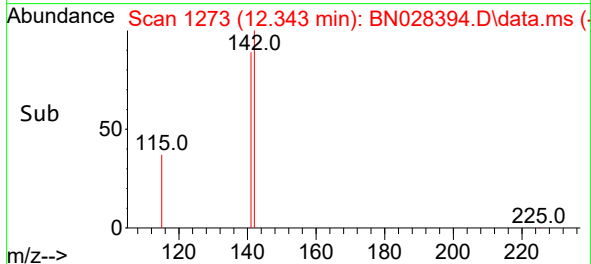
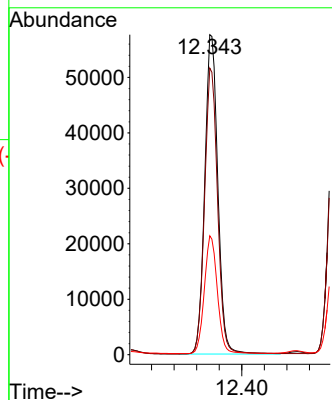
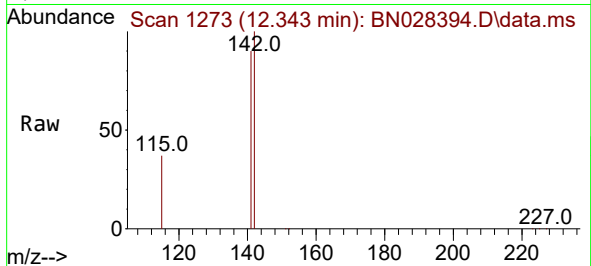




#12
2-Methylnaphthalene
Concen: 3.930 ng
RT: 12.343 min Scan# 11
Delta R.T. -0.026 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

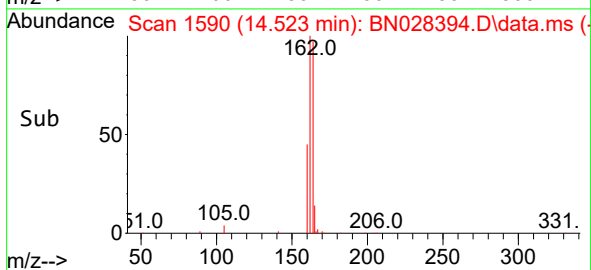
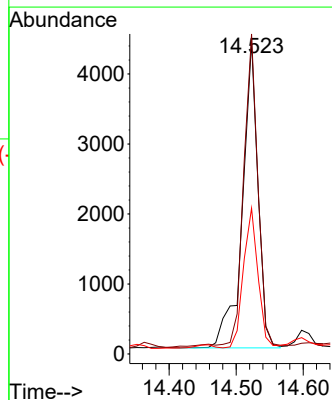
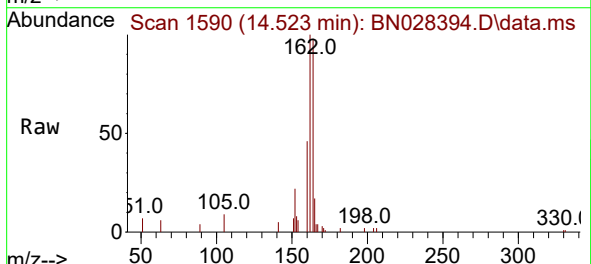
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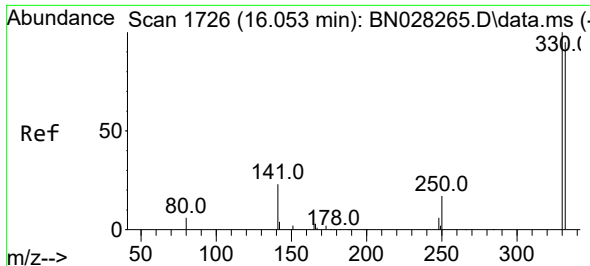
Tgt Ion:142 Resp: 92735
Ion Ratio Lower Upper
142 100
141 89.5 71.1 106.7
115 37.2 29.9 44.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 1590
Delta R.T. -0.011 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:164 Resp: 7116
Ion Ratio Lower Upper
164 100
162 102.4 81.1 121.7
160 46.6 36.6 54.8

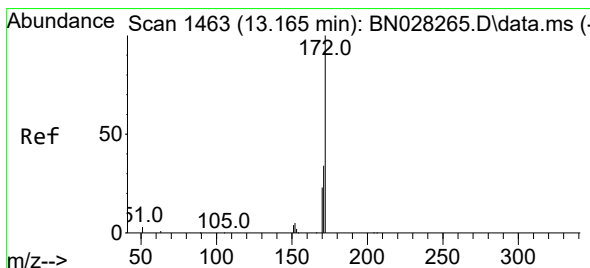
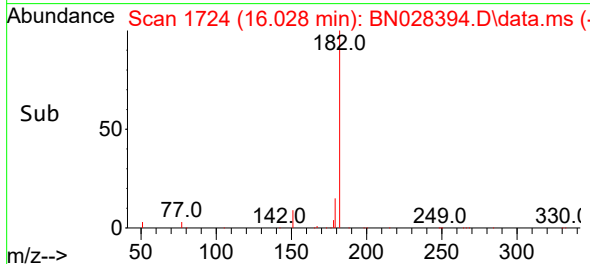
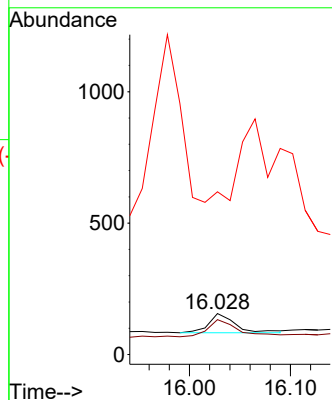
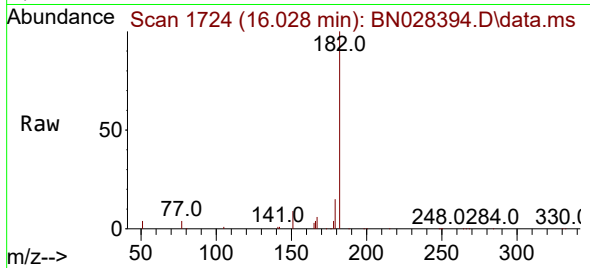




#14
2,4,6-Tribromophenol
Concen: 0.038 ng
RT: 16.028 min Scan# 11
Delta R.T. -0.037 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

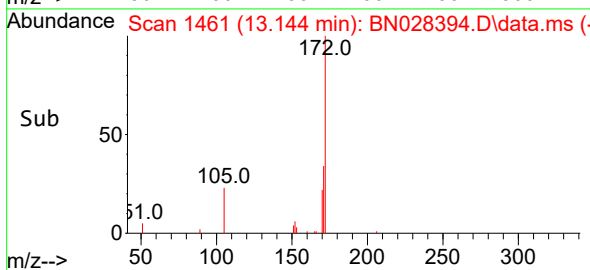
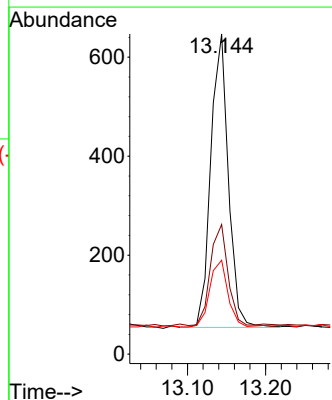
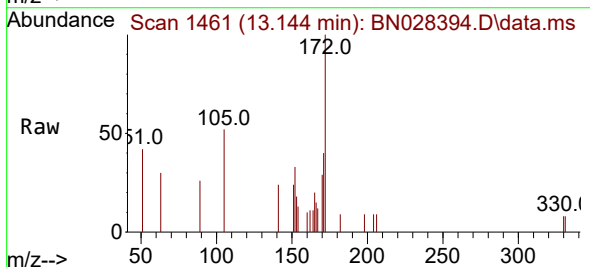
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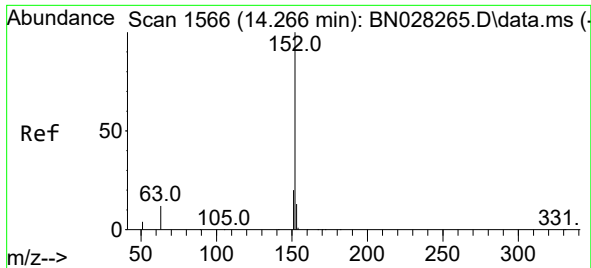
Tgt Ion:330 Resp: 133
Ion Ratio Lower Upper
330 100
332 105.3 74.1 111.1
141 0.0 32.1 48.1#



#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 13.144 min Scan# 1461
Delta R.T. -0.021 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:172 Resp: 930
Ion Ratio Lower Upper
172 100
171 40.5 28.3 42.5
170 29.4 18.7 28.1#

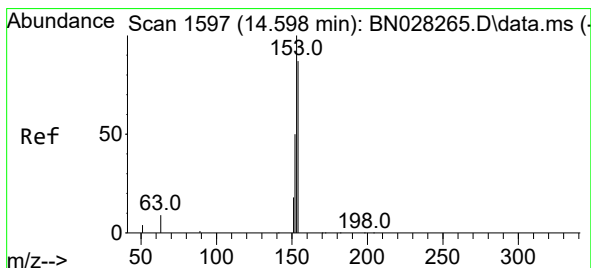
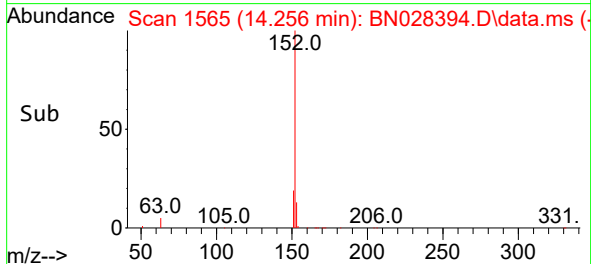
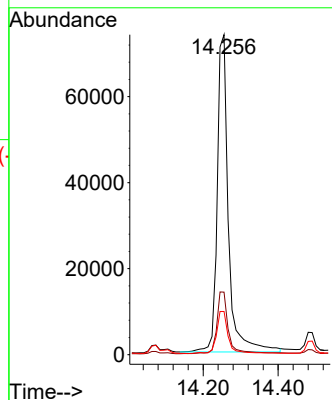
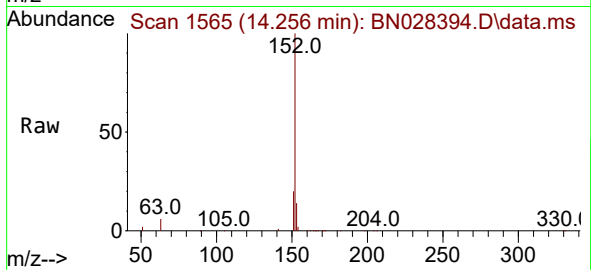




#16
Acenaphthylene
Concen: 4.794 ng
RT: 14.256 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

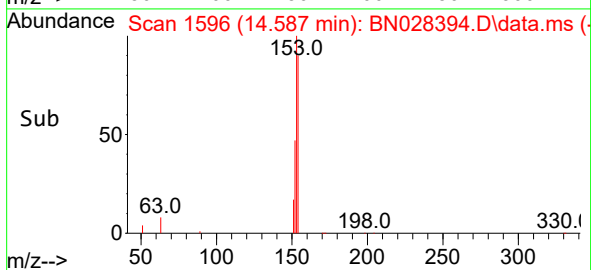
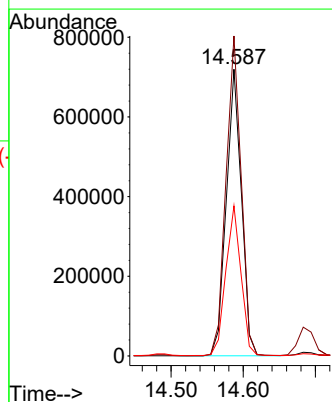
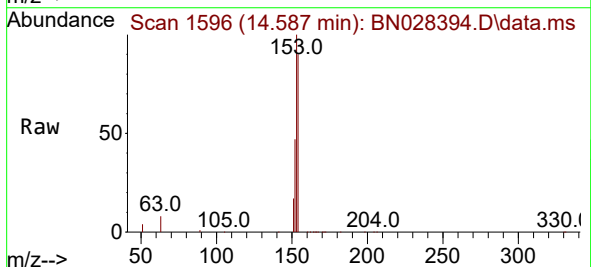
Instrument :
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A-8(0-2)

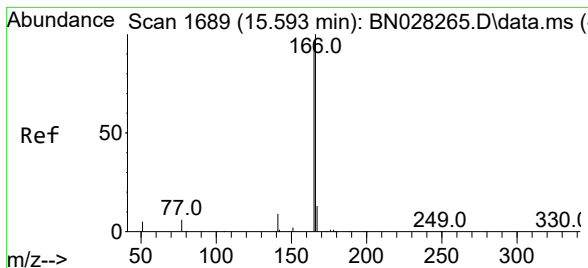
Tgt Ion:152 Resp: 153291
Ion Ratio Lower Upper
152 100
151 19.9 15.6 23.4
153 13.9 10.6 16.0



#17
Acenaphthene
Concen: 51.805 ng
RT: 14.587 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:154 Resp: 1043796
Ion Ratio Lower Upper
154 100
153 112.1 90.7 136.1
152 52.6 43.6 65.4





#18

Fluorene

Concen: 38.669 ng

RT: 15.568 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

Instrument :

BNA_N

ClientSampleId :

A-8(0-2)

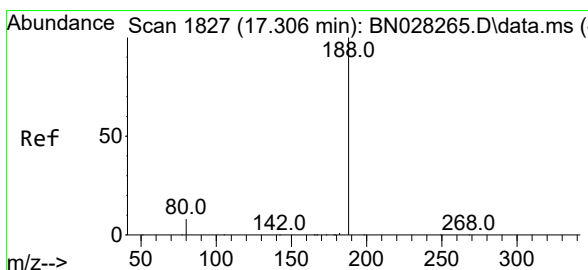
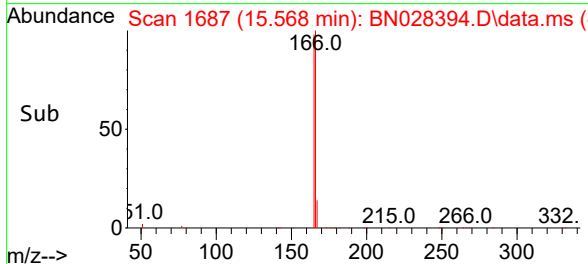
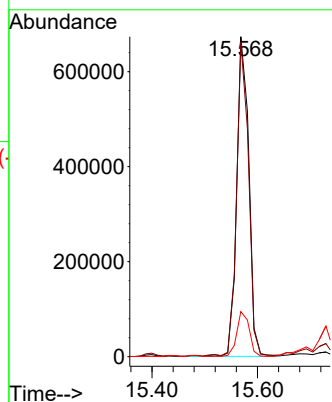
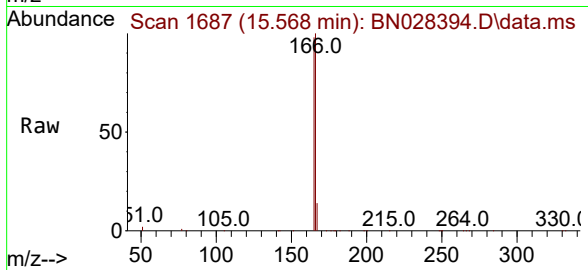
Tgt Ion:166 Resp: 1025607

Ion Ratio Lower Upper

166 100

165 96.7 79.3 118.9

167 15.1 10.9 16.3



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.294 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

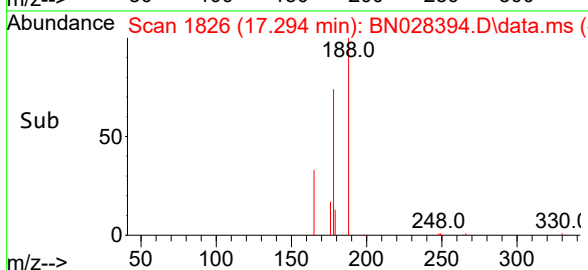
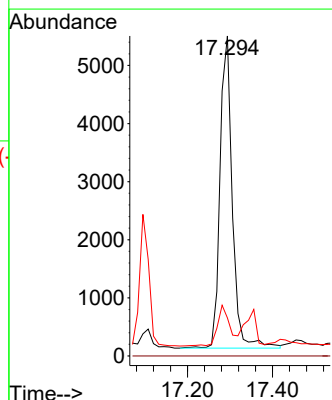
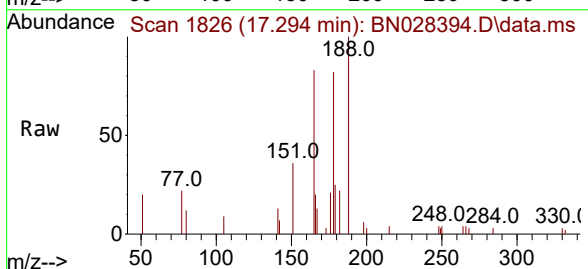
Tgt Ion:188 Resp: 10774

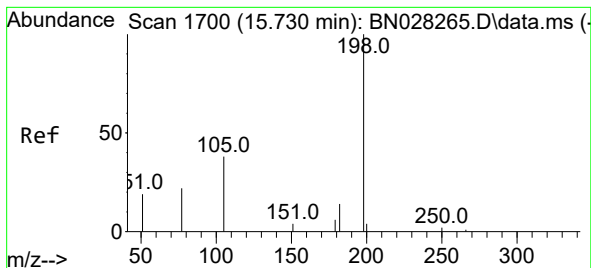
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.9 7.1 10.7#

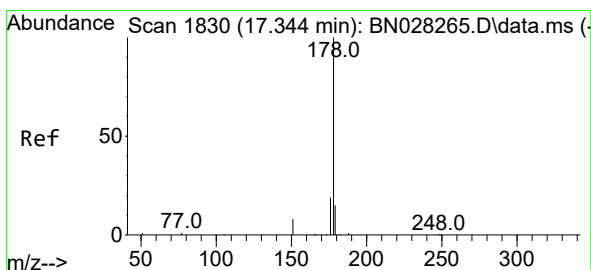
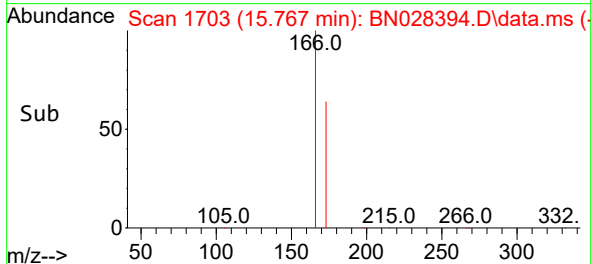
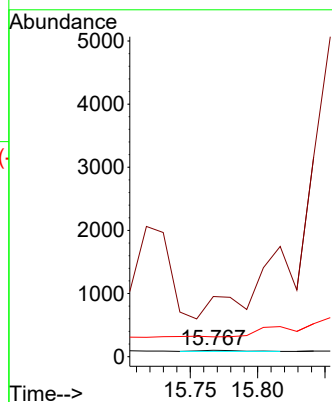
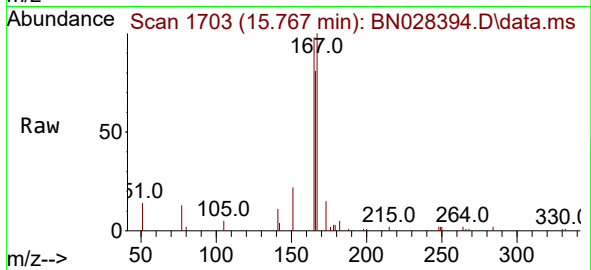




#20
4,6-Dinitro-2-methylphenol
Concen: 0.226 ng
RT: 15.767 min Scan# 11
Delta R.T. -0.037 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

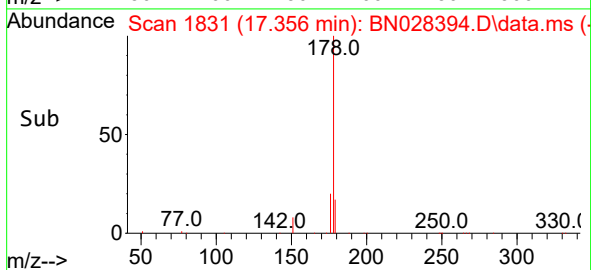
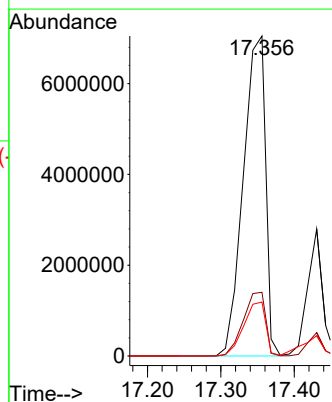
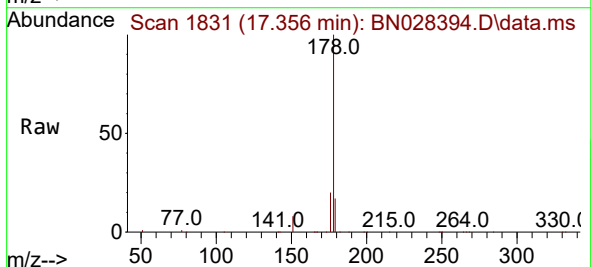
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)

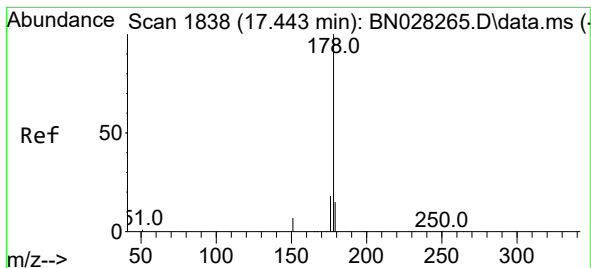
Tgt Ion:198 Resp: 33
Ion Ratio Lower Upper
198 100
51 944.6 96.1 144.1#
105 311.9 75.4 113.0#



#25
Phenanthrene
Concen: 502.178 ng
RT: 17.356 min Scan# 1831
Delta R.T. 0.025 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:178 Resp:14810075
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 16.7 12.5 18.7





#26

Anthracene

Concen: 137.619 ng

RT: 17.430 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

Instrument :

BNA_N

ClientSampleId :

A-8(0-2)

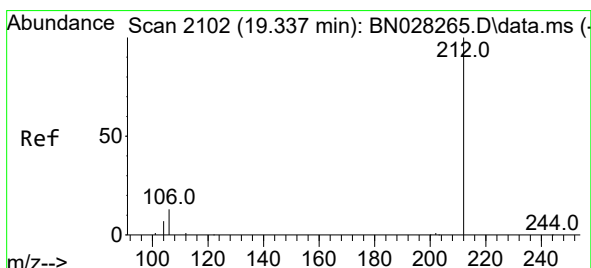
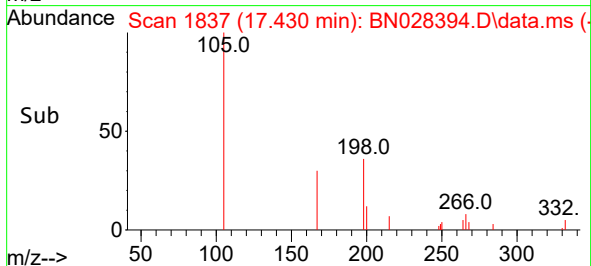
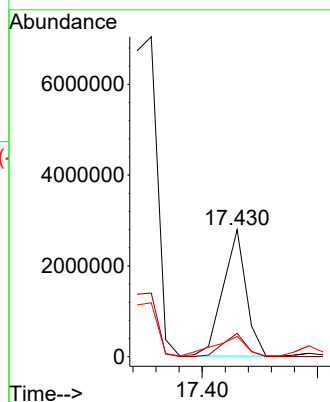
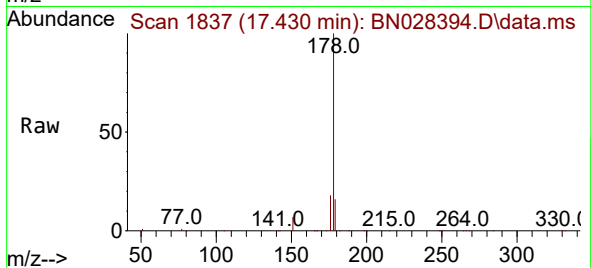
Tgt Ion:178 Resp: 3876373

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

179 21.3 12.2 18.4#



#27

Fluoranthene-d10

Concen: 0.063 ng

RT: 19.365 min Scan# 2108

Delta R.T. 0.037 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

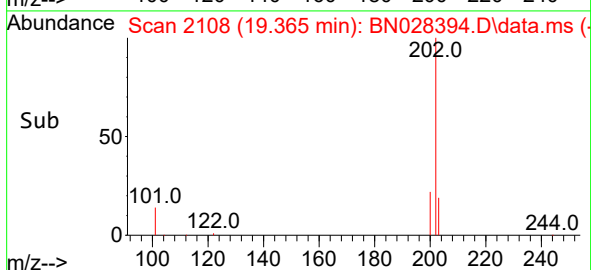
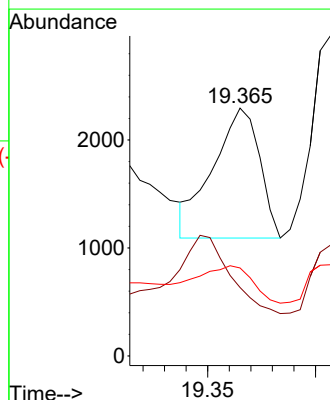
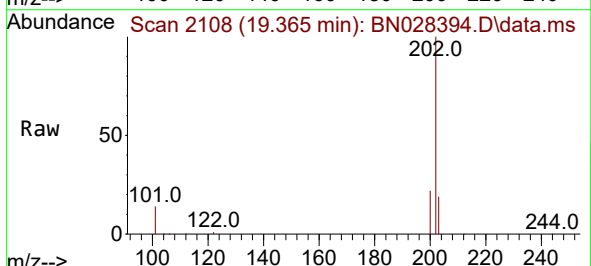
Tgt Ion:212 Resp: 1812

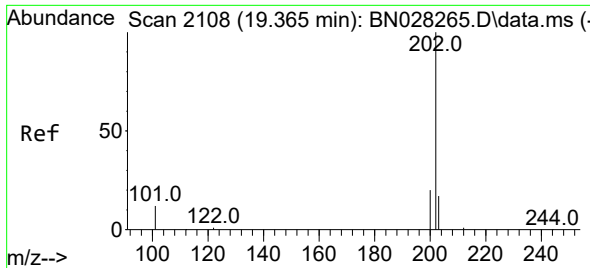
Ion Ratio Lower Upper

212 100

106 73.1 11.5 17.3#

104 35.7 6.7 10.1#

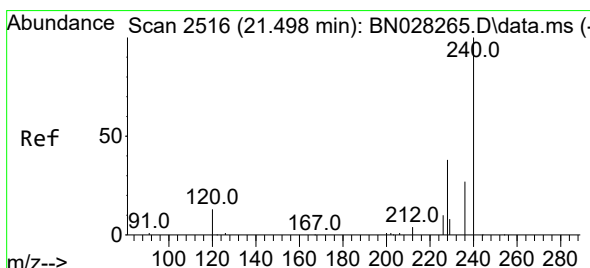
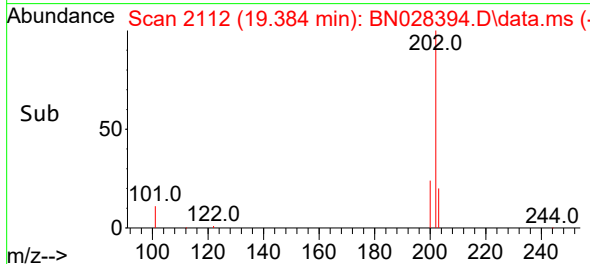
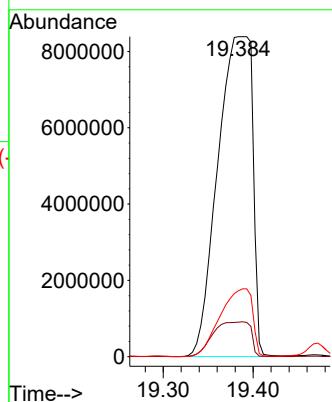
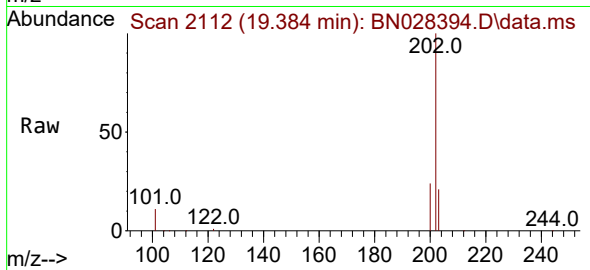




#28
Fluoranthene
Concen: 609.090 ng
RT: 19.384 min Scan# 2108
Delta R.T. 0.028 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

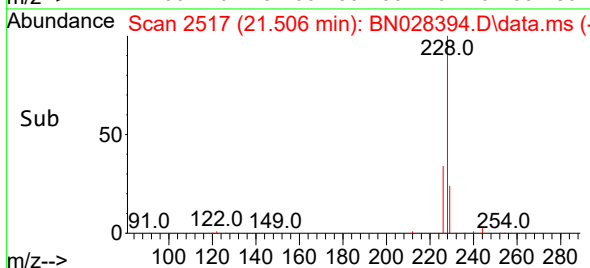
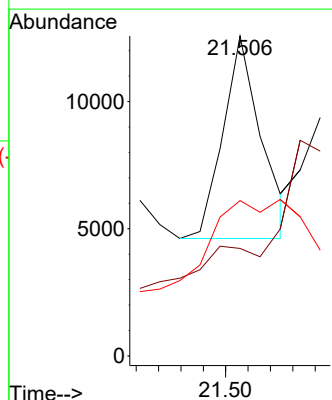
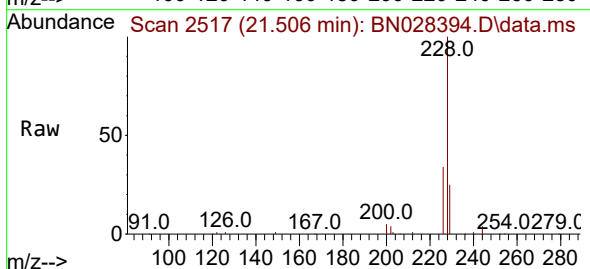
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)

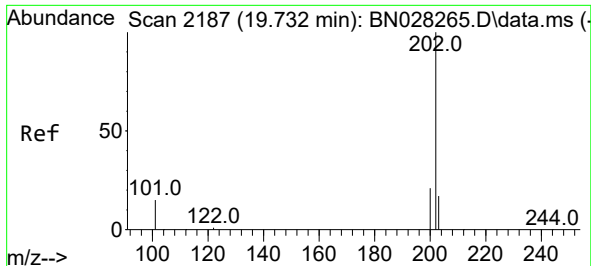
Tgt Ion:202 Resp:22566893
Ion Ratio Lower Upper
202 100
101 11.8 10.1 15.1
203 19.7 13.9 20.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.506 min Scan# 2517
Delta R.T. 0.018 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:240 Resp: 9434
Ion Ratio Lower Upper
240 100
120 33.6 13.4 20.0#
236 48.6 22.7 34.1#

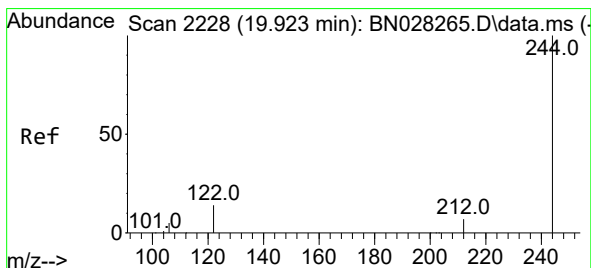
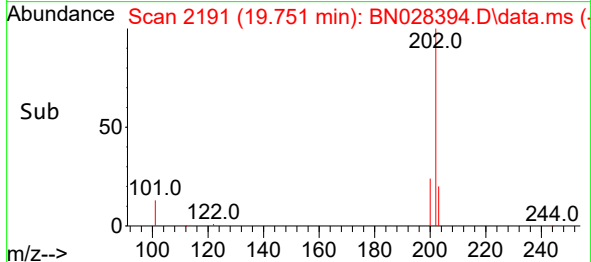
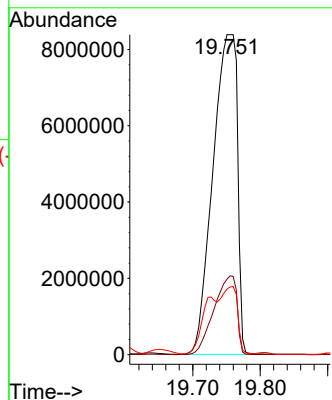
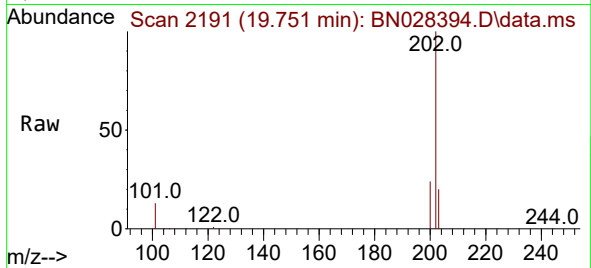




#30
Pyrene
Concen: 654.846 ng
RT: 19.751 min Scan# 2187
Delta R.T. 0.023 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

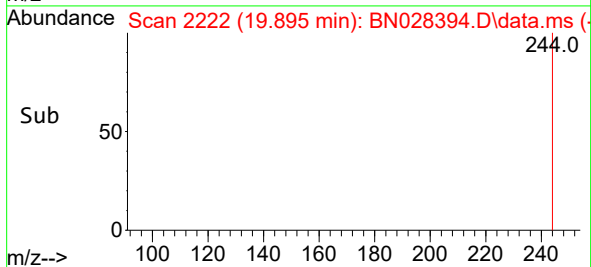
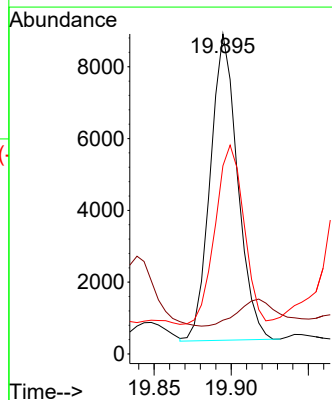
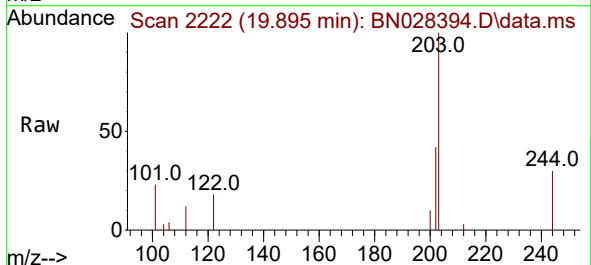
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)

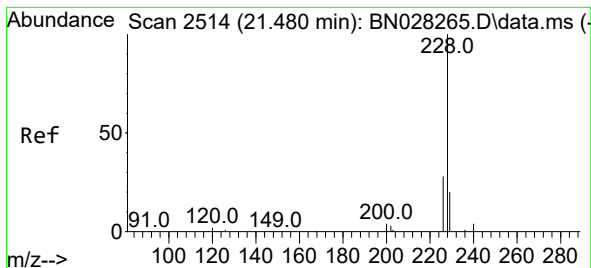
Tgt Ion:202 Resp:21139363
Ion Ratio Lower Upper
202 100
200 23.1 16.7 25.1
203 0.0 14.5 21.7#



#31
Terphenyl-d14
Concen: 0.524 ng
RT: 19.895 min Scan# 2222
Delta R.T. -0.023 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:244 Resp: 10492
Ion Ratio Lower Upper
244 100
212 10.6 6.6 10.0#
122 58.8 11.7 17.5#





#32

Benzo(a)anthracene

Concen: 394.719 ng

RT: 21.488 min Scan# 21

Delta R.T. 0.018 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

Instrument :

BNA_N

ClientSampleId :

A-8(0-2)

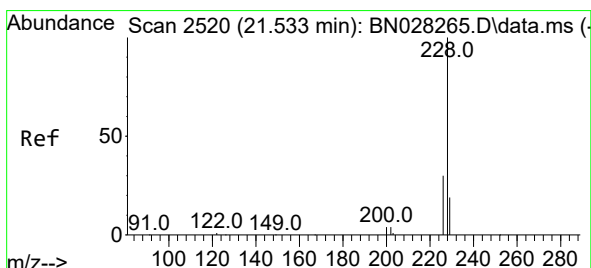
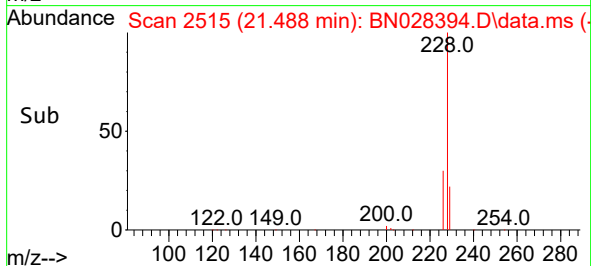
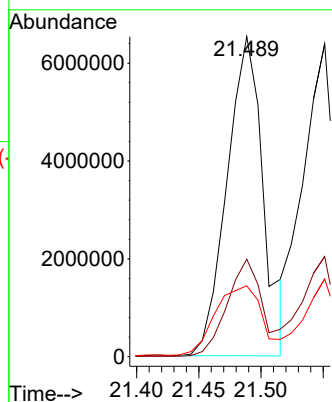
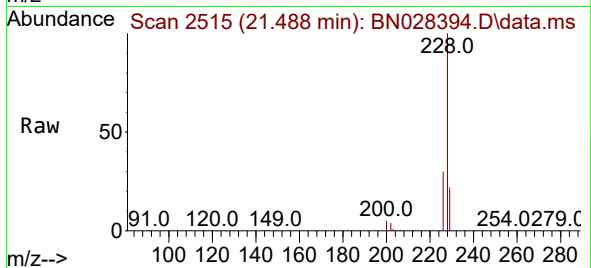
Tgt Ion:228 Resp:13228684

Ion Ratio Lower Upper

228 100

226 30.5 22.9 34.3

229 22.1 16.6 24.8



#33

Chrysene

Concen: 350.620 ng

RT: 21.551 min Scan# 2522

Delta R.T. 0.027 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

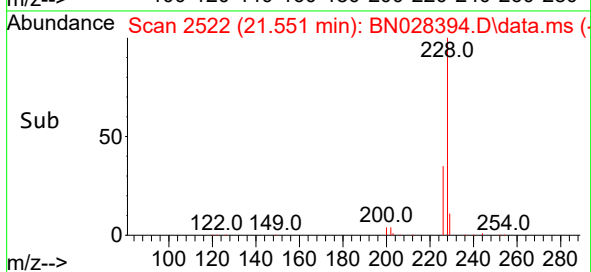
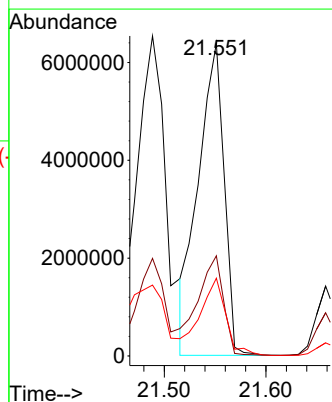
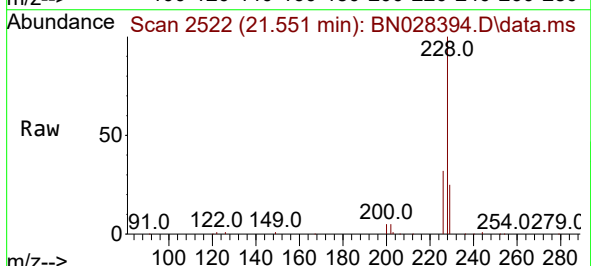
Tgt Ion:228 Resp:11246607

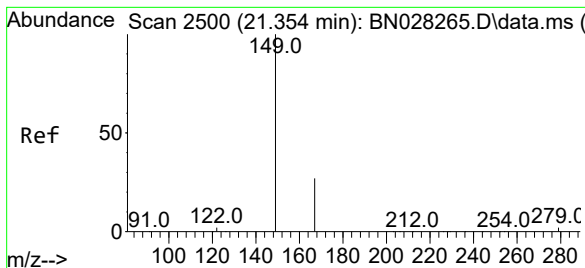
Ion Ratio Lower Upper

228 100

226 32.0 25.2 37.8

229 24.9 16.6 25.0

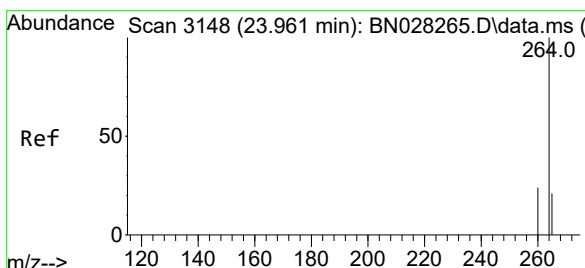
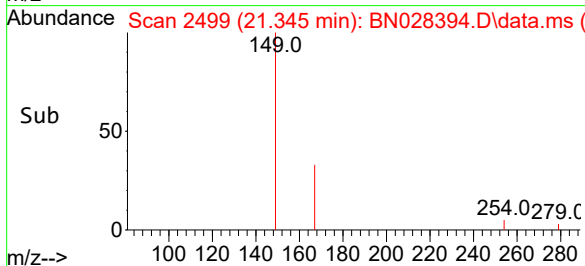
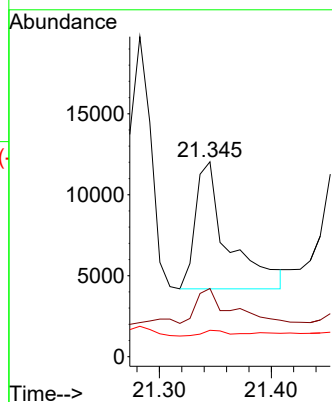
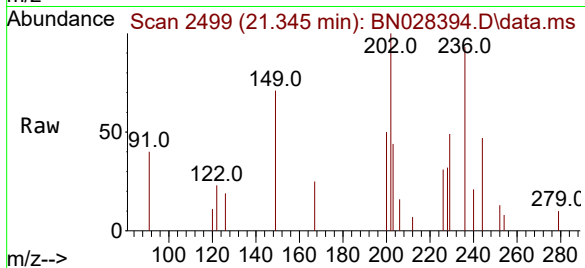




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.619 ng
 RT: 21.345 min Scan# 2499
 Delta R.T. 0.000 min
 Lab File: BN028394.D
 Acq: 25 Oct 2023 03:14

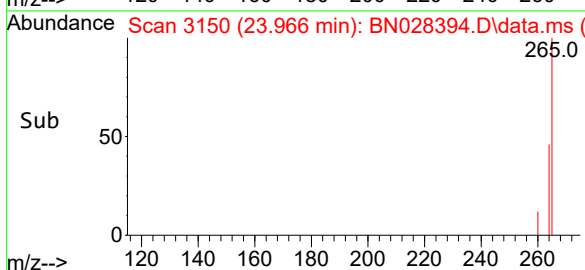
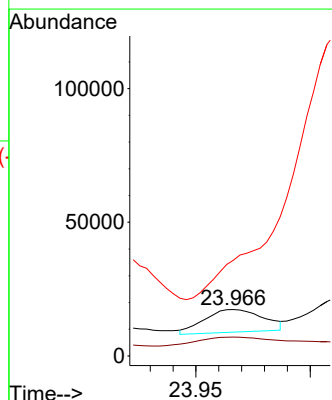
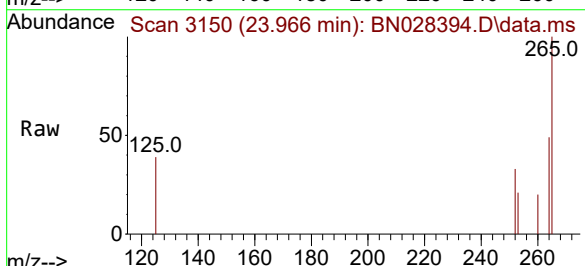
Instrument :
 BNA_N
 ClientSampleId :
 A-8(0-2)

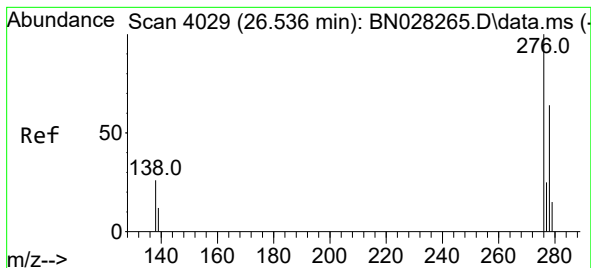
Tgt Ion:149 Resp: 15837
 Ion Ratio Lower Upper
 149 100
 167 28.8 22.6 34.0
 279 3.6 4.2 6.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.966 min Scan# 3150
 Delta R.T. 0.029 min
 Lab File: BN028394.D
 Acq: 25 Oct 2023 03:14

Tgt Ion:264 Resp: 15231
 Ion Ratio Lower Upper
 264 100
 260 40.8 20.7 31.1#
 265 206.0 38.3 57.5#





#36

Indeno(1,2,3-cd)pyrene

Concen: 163.629 ng

RT: 26.609 min Scan# 4029

Delta R.T. 0.105 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

Instrument :

BNA_N

ClientSampleId :

A-8(0-2)

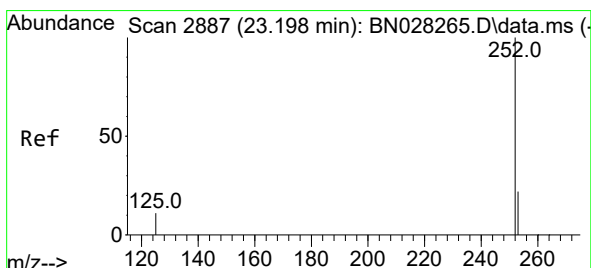
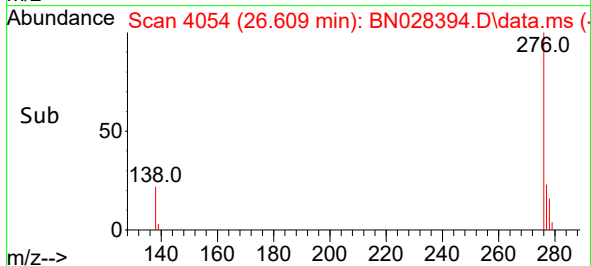
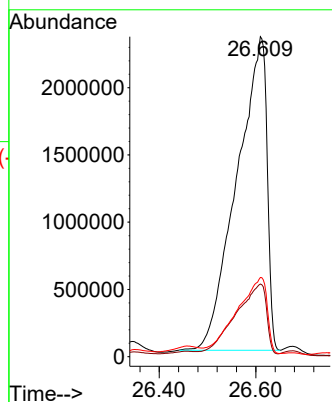
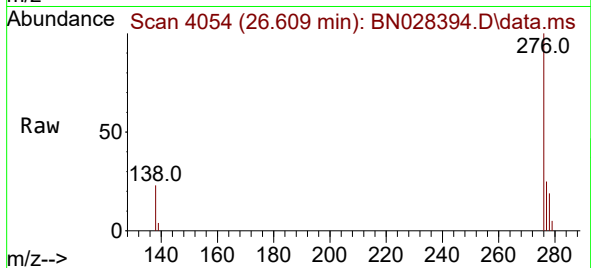
Tgt Ion:276 Resp:10047761

Ion Ratio Lower Upper

276 100

138 22.8 21.3 31.9

277 24.4 20.0 30.0



#37

Benzo(b)fluoranthene

Concen: 382.333 ng

RT: 23.233 min Scan# 2899

Delta R.T. 0.056 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

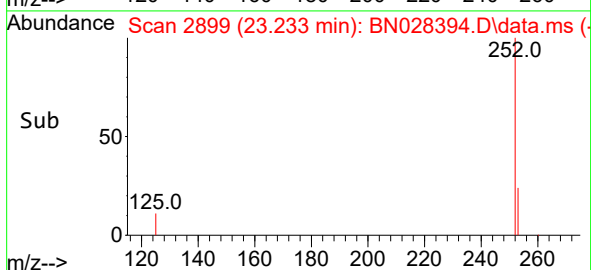
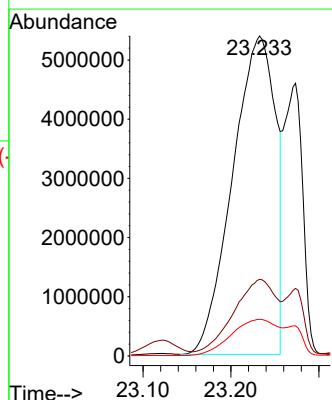
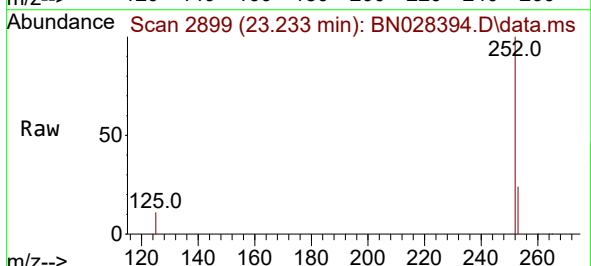
Tgt Ion:252 Resp:18202100

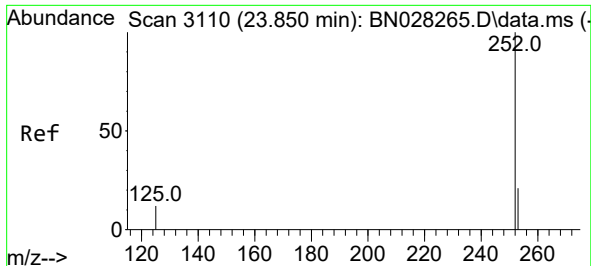
Ion Ratio Lower Upper

252 100

253 24.0 21.8 32.8

125 11.4 15.6 23.4#

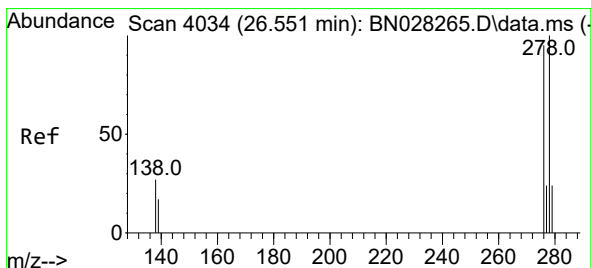
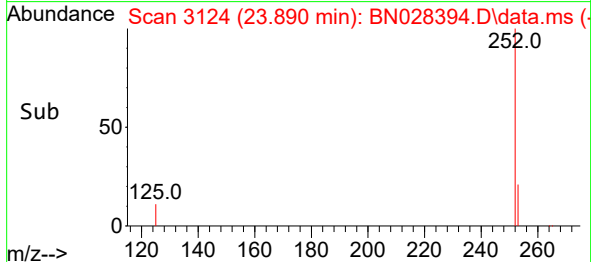
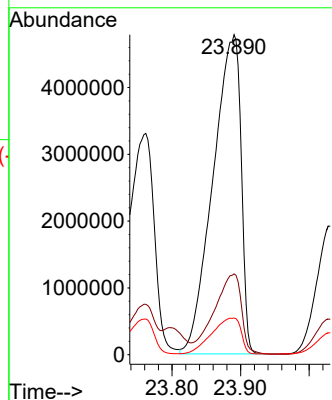
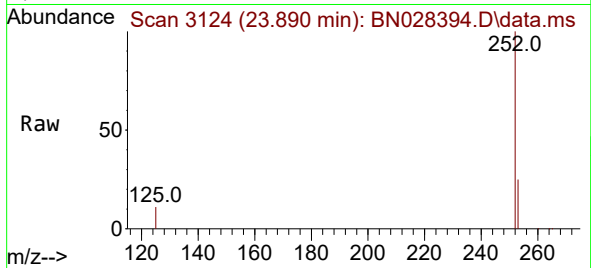




#39
Benzo(a)pyrene
Concen: 286.330 ng
RT: 23.890 min Scan# 3110
Delta R.T. 0.061 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

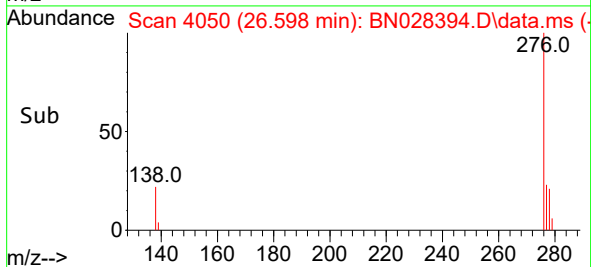
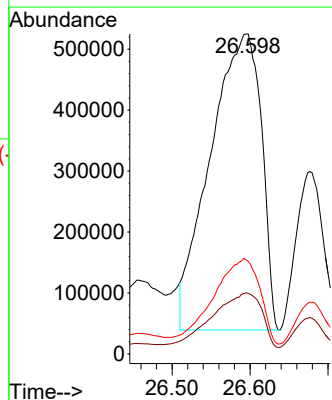
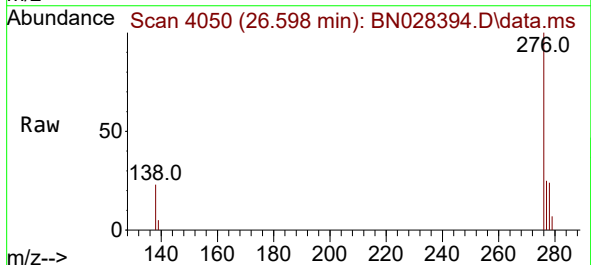
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)

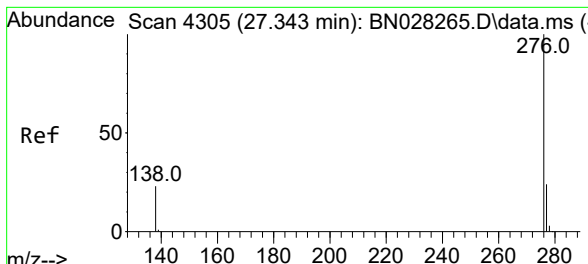
Tgt Ion:252 Resp:13560280
Ion Ratio Lower Upper
252 100
253 25.2 22.7 34.1
125 11.5 17.0 25.6#



#40
Dibenzo(a,h)anthracene
Concen: 44.491 ng
RT: 26.598 min Scan# 4050
Delta R.T. 0.079 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:278 Resp: 2217921
Ion Ratio Lower Upper
278 100
139 19.0 18.8 28.2
279 28.9 23.5 35.3





#41
 Benzo(g,h,i)perylene
 Concen: 188.511 ng
 RT: 27.428 min Scan# 41
 Delta R.T. 0.123 min
 Lab File: BN028394.D
 Acq: 25 Oct 2023 03:14

Instrument :
 BNA_N
 ClientSampleId :
 A-8(0-2)

Tgt Ion:276 Resp: 9702632

Ion	Ratio	Lower	Upper
276	100		
277	26.1	21.7	32.5
138	24.8	21.7	32.5

