

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
 Data File : BN028184.D
 Acq On : 10 Oct 2023 06:14
 Operator : MA/JU
 Sample : 04740-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BW1D

Quant Time: Oct 10 06:41:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

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

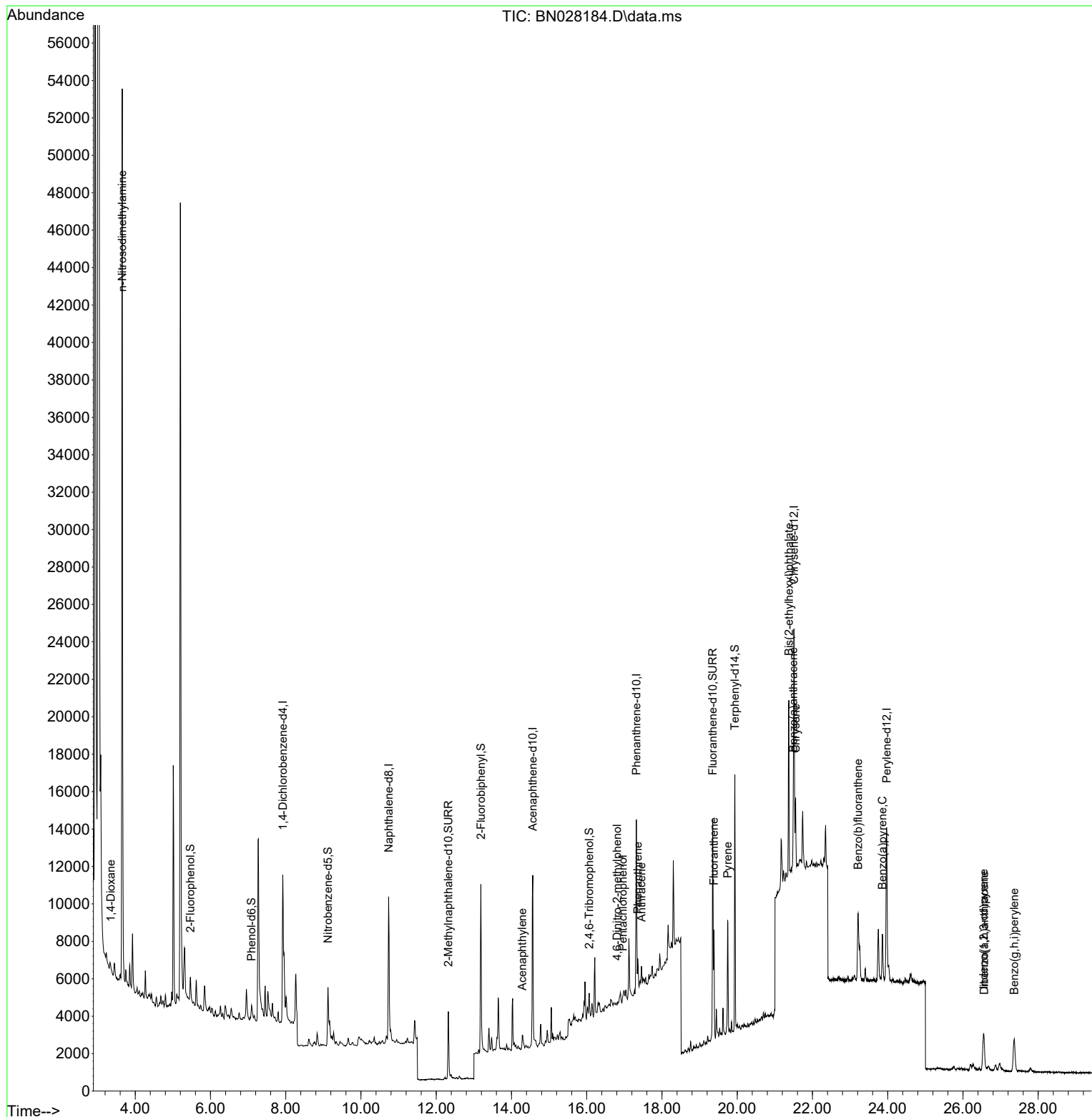
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	3885	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11418	0.400	ng	0.00
13) Acenaphthene-d10	14.565	164	6035	0.400	ng	0.00
19) Phenanthrene-d10	17.318	188	12352	0.400	ng	0.00
29) Chrysene-d12	21.506	240	11127	0.400	ng	# 0.00
35) Perylene-d12	23.969	264	11953	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	1264	0.109	ng	0.00
5) Phenol-d6	7.091	99	942	0.064	ng	0.00
8) Nitrobenzene-d5	9.123	82	3220	0.331	ng	0.00
11) 2-Methylnaphthalene-d10	12.320	152	5874	0.347	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	849	0.307	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	8526	0.392	ng	0.00
27) Fluoranthene-d10	19.351	212	12799	0.413	ng	0.00
31) Terphenyl-d14	19.936	244	13494	0.520	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.350	88	175	0.040	ng	# 1
3) n-Nitrosodimethylamine	3.653	42	3543	0.710	ng	# 1
16) Acenaphthylene	14.288	152	867	0.032	ng	# 88
20) 4,6-Dinitro-2-methylph...	16.810	198	19	0.116	ng	# 1
24) Pentachlorophenol	16.959	266	121	0.038	ng	93
25) Phenanthrene	17.356	178	1969	0.059	ng	# 89
26) Anthracene	17.455	178	1103	0.035	ng	# 91
28) Fluoranthene	19.379	202	5187	0.135	ng	99
30) Pyrene	19.750	202	5578	0.137	ng	98
32) Benzo(a)anthracene	21.488	228	3538	0.093	ng	# 77
33) Chrysene	21.551	228	4035	0.111	ng	# 78
34) Bis(2-ethylhexyl)phtha...	21.372	149	9357	0.376	ng	99
36) Indeno(1,2,3-cd)pyrene	26.551	276	3662	0.091	ng	97
37) Benzo(b)fluoranthene	23.209	252	6592	0.171	ng	# 61
39) Benzo(a)pyrene	23.858	252	3786	0.104	ng	# 50
40) Dibenzo(a,h)anthracene	26.562	278	922	0.028	ng	# 1
41) Benzo(g,h,i)perylene	27.364	276	3969	0.118	ng	# 84

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

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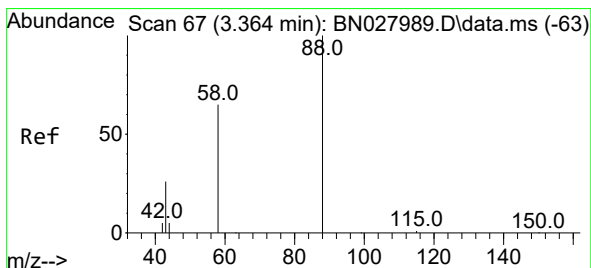
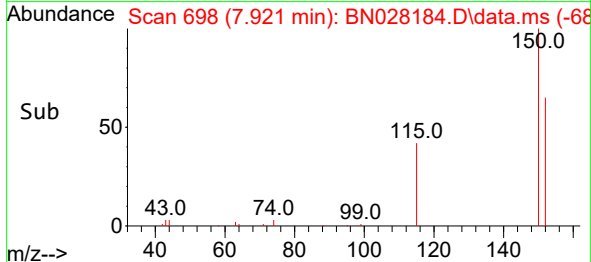
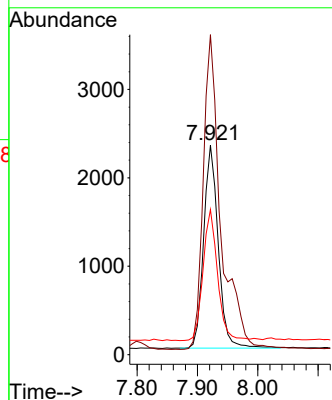
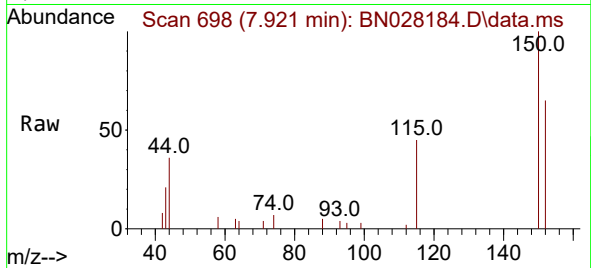




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.921 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: BN028184.D
 Acq: 10 Oct 2023 06:14

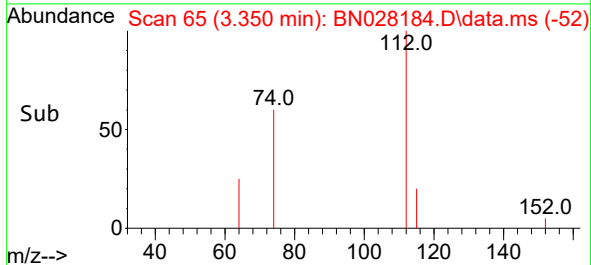
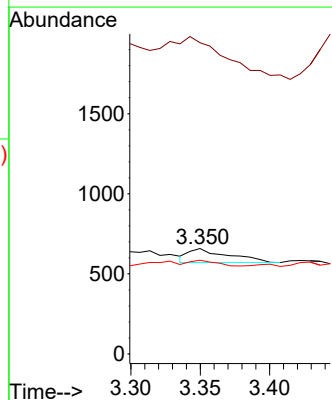
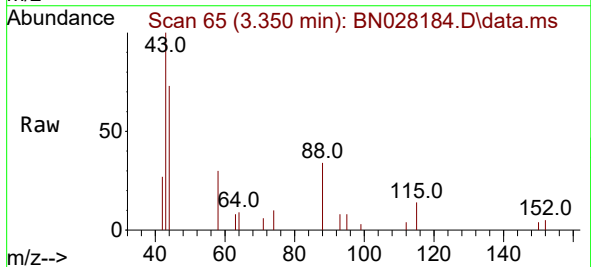
Instrument :
 BNA_N
 ClientSampleId :
 BW1D

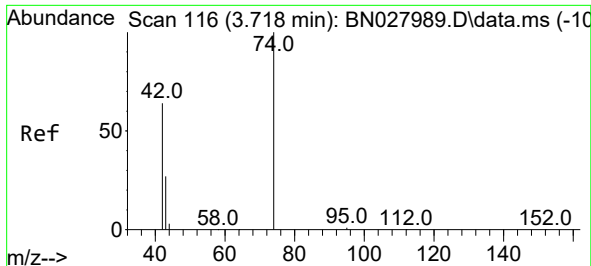
Tgt Ion:152 Resp: 3885
 Ion Ratio Lower Upper
 152 100
 150 152.8 125.6 188.4
 115 69.3 54.8 82.2



#2
 1,4-Dioxane
 Concen: 0.040 ng
 RT: 3.350 min Scan# 65
 Delta R.T. -0.007 min
 Lab File: BN028184.D
 Acq: 10 Oct 2023 06:14

Tgt Ion: 88 Resp: 175
 Ion Ratio Lower Upper
 88 100
 43 422.9 24.6 36.8#
 58 27.4 53.8 80.6#

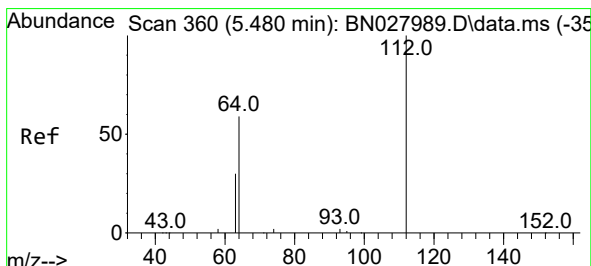
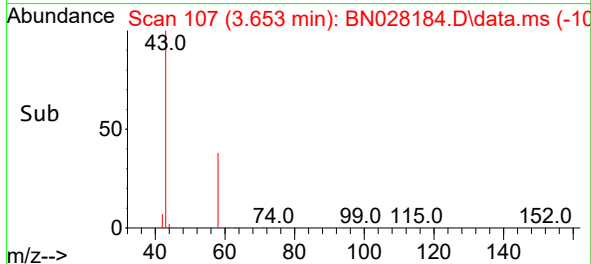
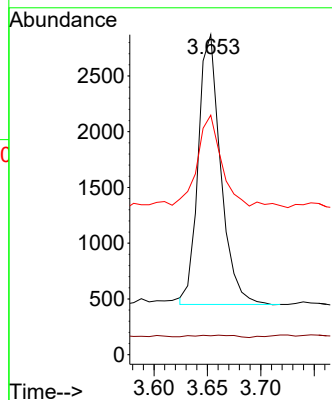
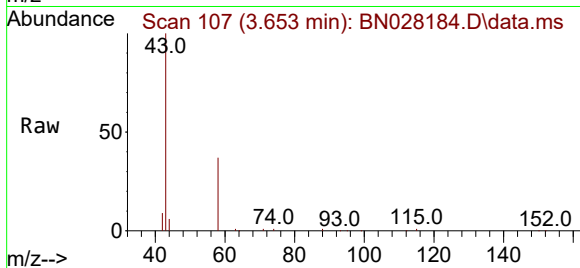




#3
n-Nitrosodimethylamine
Concen: 0.710 ng
RT: 3.653 min Scan# 107
Delta R.T. -0.058 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

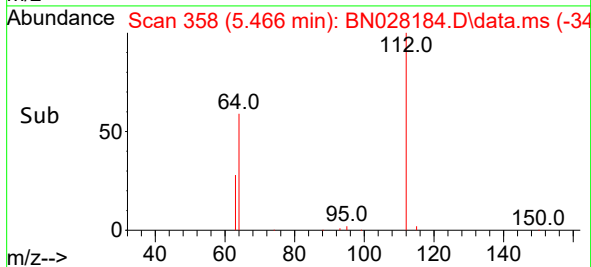
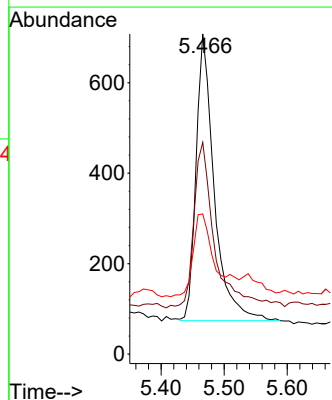
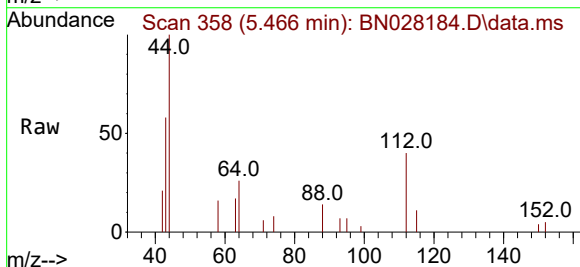
Instrument :
BNA_N
ClientSampleId :
BW1D

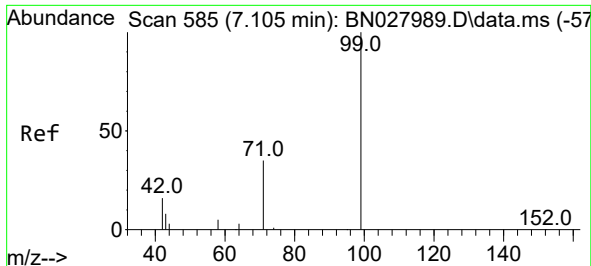
Tgt Ion: 42 Resp: 3543
Ion Ratio Lower Upper
42 100
74 1.7 115.9 173.9#
44 34.6 8.0 12.0#



#4
2-Fluorophenol
Concen: 0.109 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

Tgt Ion: 112 Resp: 1264
Ion Ratio Lower Upper
112 100
64 66.8 45.0 67.6
63 35.5 23.4 35.0#

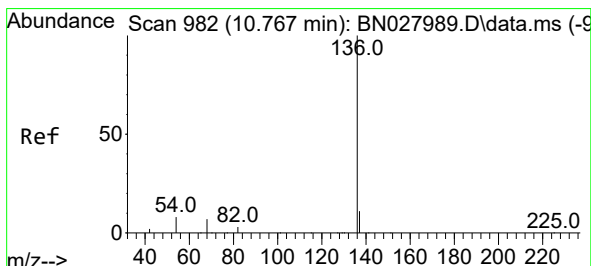
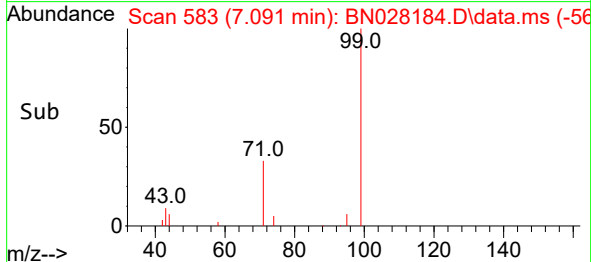
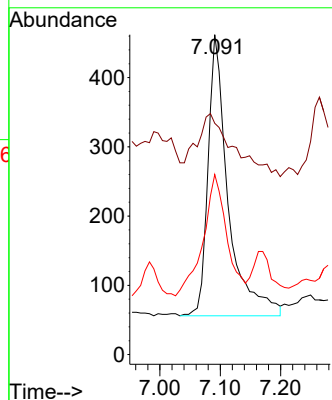
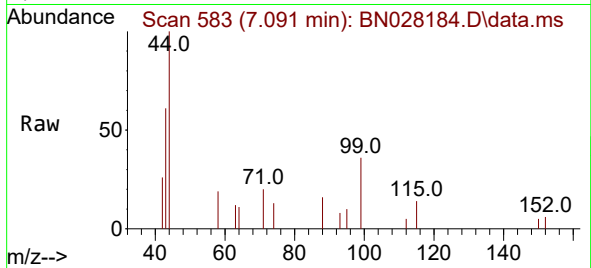




#5
Phenol-d6
Concen: 0.064 ng
RT: 7.091 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

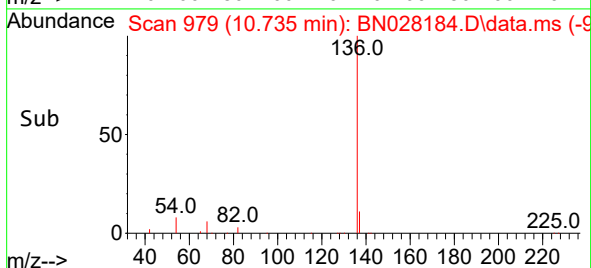
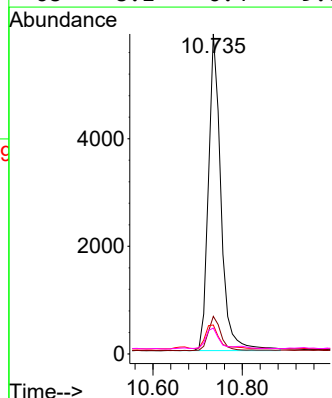
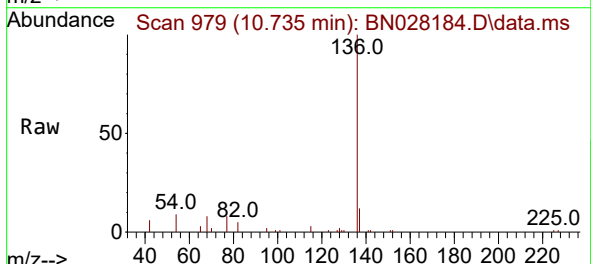
Instrument :
BNA_N
ClientSampleId :
BW1D

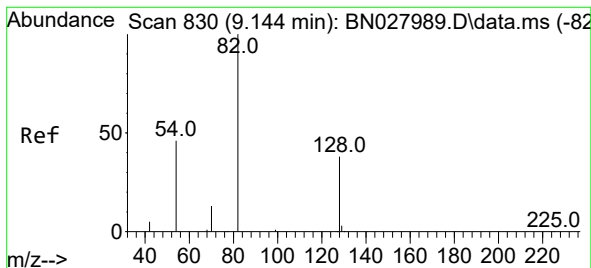
Tgt Ion: 99 Resp: 942
Ion Ratio Lower Upper
99 100
42 40.3 14.6 22.0#
71 50.4 28.3 42.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

Tgt Ion: 136 Resp: 11418
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 9.1 7.0 10.6
68 8.1 6.4 9.6





#8

Nitrobenzene-d5

Concen: 0.331 ng

RT: 9.123 min Scan# 81

Delta R.T. -0.000 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

Instrument :

BNA_N

ClientSampleId :

BW1D

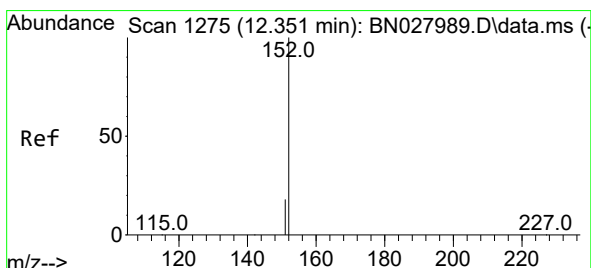
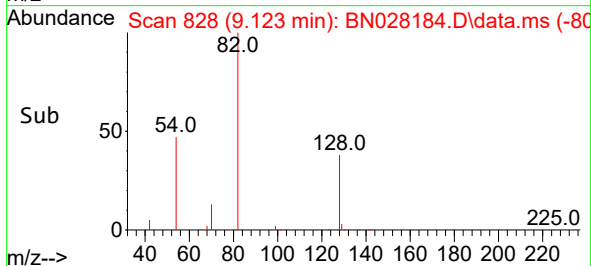
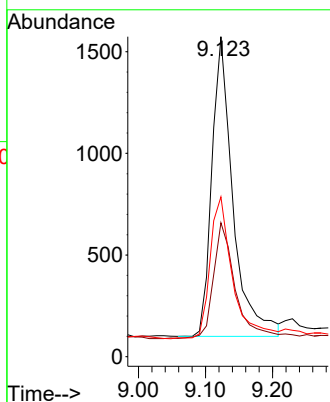
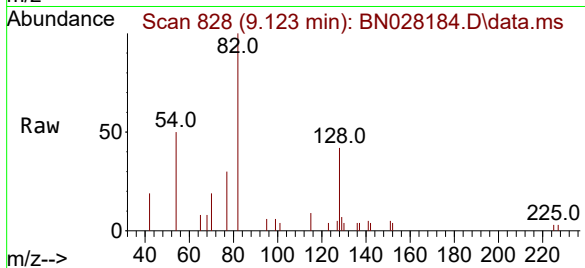
Tgt Ion: 82 Resp: 3220

Ion Ratio Lower Upper

82 100

128 41.9 32.7 49.1

54 49.9 38.7 58.1



#11

2-Methylnaphthalene-d10

Concen: 0.347 ng

RT: 12.320 min Scan# 1267

Delta R.T. -0.004 min

Lab File: BN028184.D

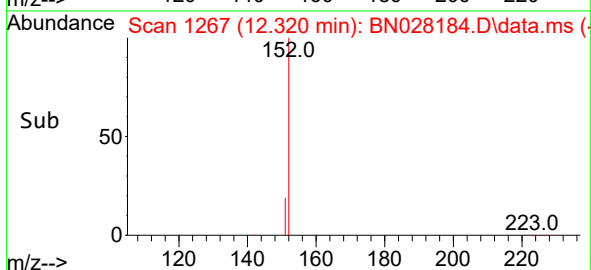
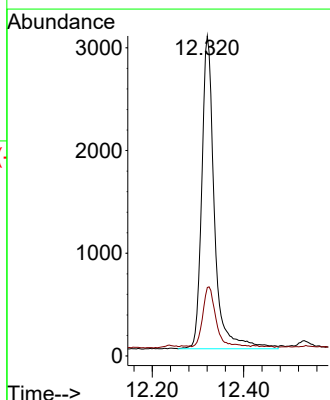
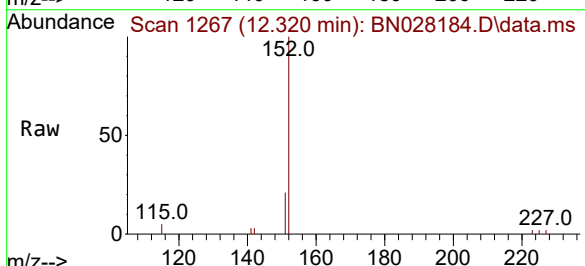
Acq: 10 Oct 2023 06:14

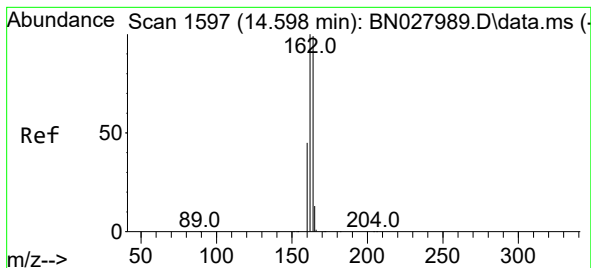
Tgt Ion:152 Resp: 5874

Ion Ratio Lower Upper

152 100

151 19.5 16.5 24.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.565 min Scan# 1594

Delta R.T. -0.000 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

Instrument :

BNA_N

ClientSampleId :

BW1D

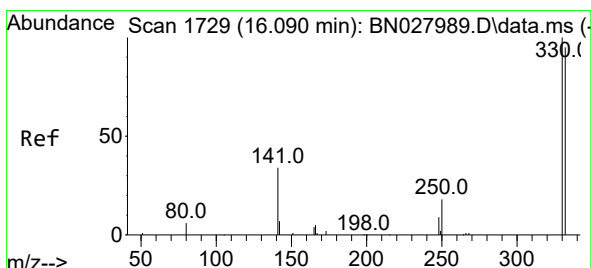
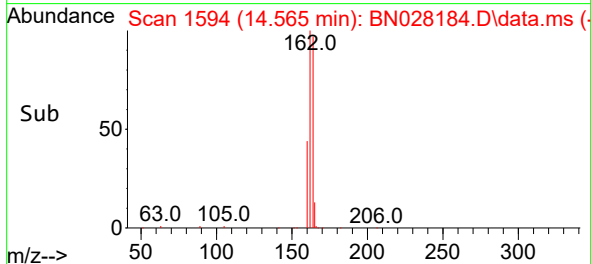
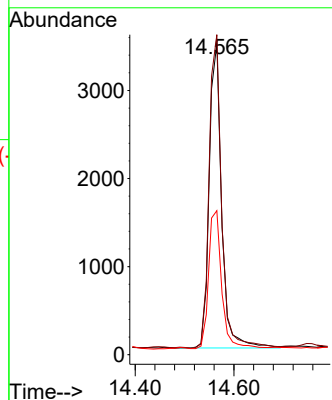
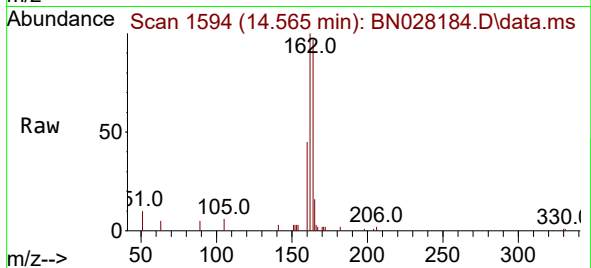
Tgt Ion:164 Resp: 6035

Ion Ratio Lower Upper

164 100

162 102.8 80.8 121.2

160 46.3 36.4 54.6



#14

2,4,6-Tribromophenol

Concen: 0.307 ng

RT: 16.065 min Scan# 1727

Delta R.T. -0.013 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

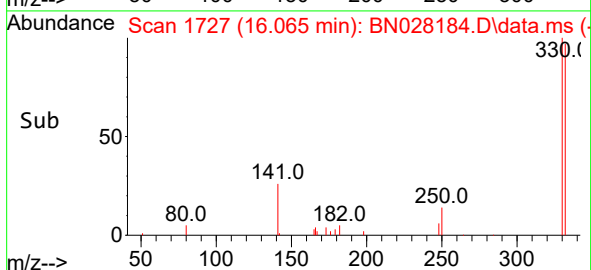
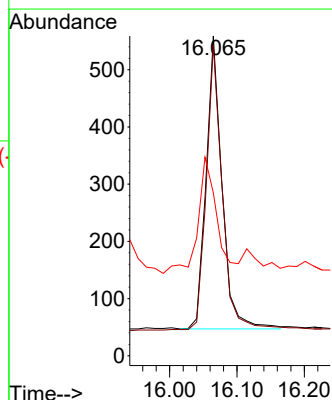
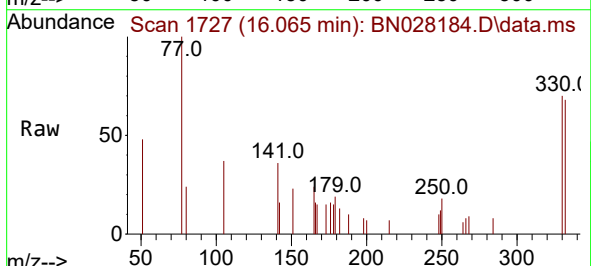
Tgt Ion:330 Resp: 849

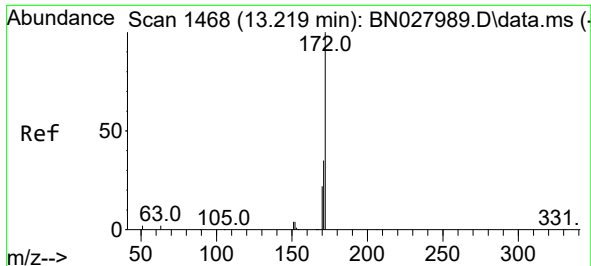
Ion Ratio Lower Upper

330 100

332 95.9 78.1 117.1

141 36.6 33.4 50.2

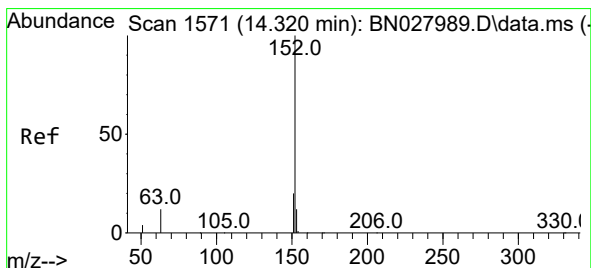
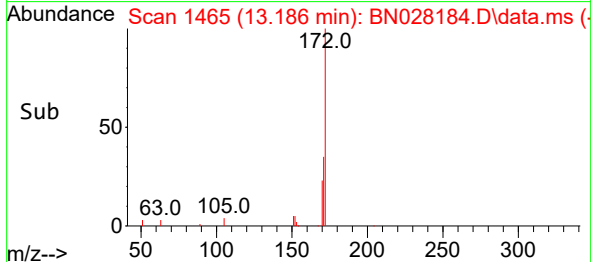
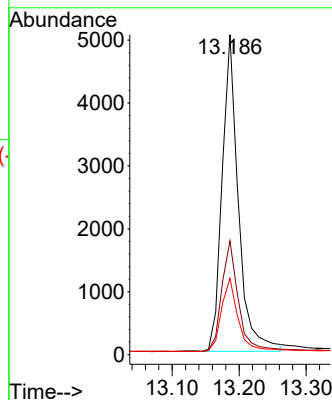
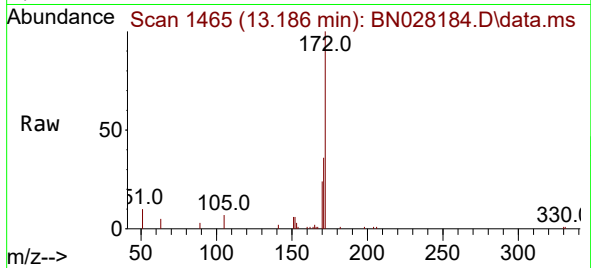




#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 13.186 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

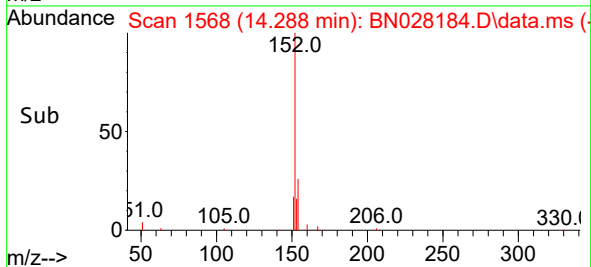
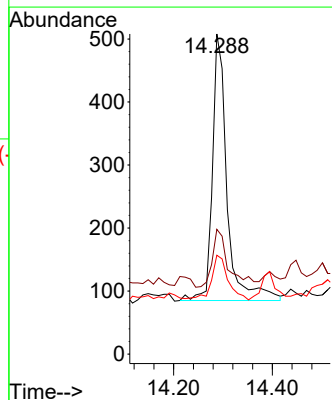
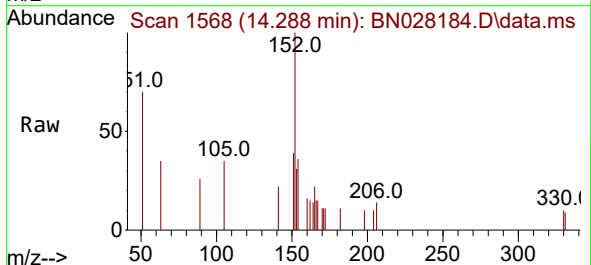
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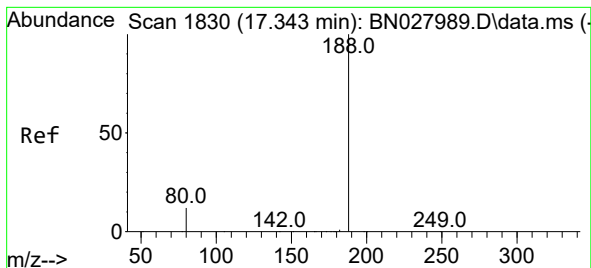
Tgt Ion:172 Resp: 8526
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 23.8 18.4 27.6



#16
Acenaphthylene
Concen: 0.032 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

Tgt Ion:152 Resp: 867
Ion Ratio Lower Upper
152 100
151 24.0 15.8 23.6#
153 18.9 10.2 15.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.318 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

Instrument :

BNA_N

ClientSampleId :

BW1D

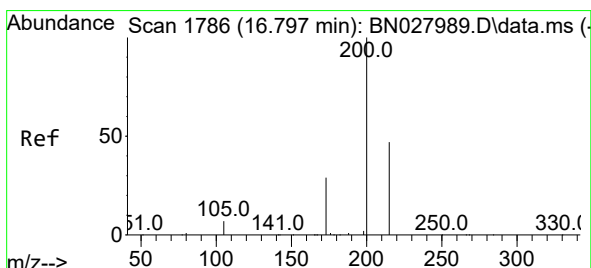
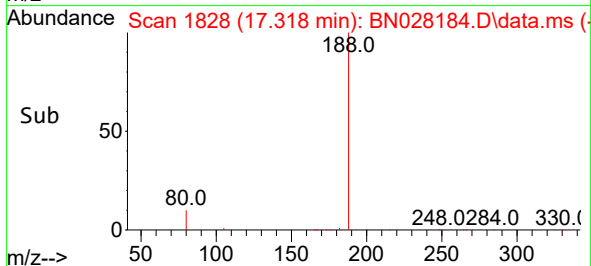
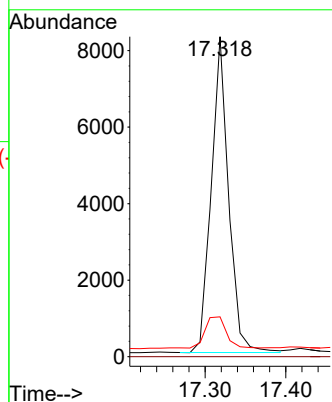
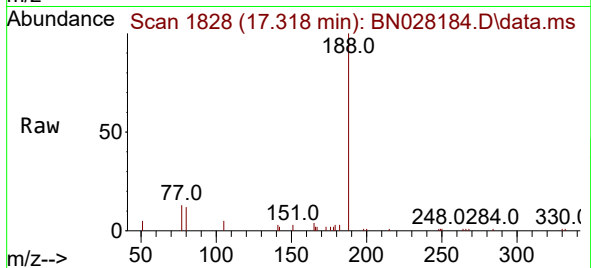
Tgt Ion:188 Resp: 12352

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.4 10.2 15.4



#20

4,6-Dinitro-2-methylphenol

Concen: 0.116 ng

RT: 16.810 min Scan# 1787

Delta R.T. 0.025 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

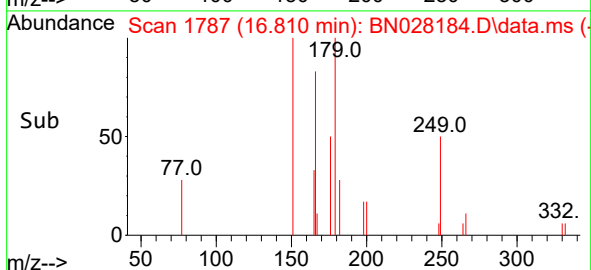
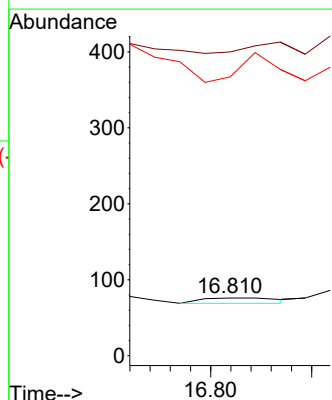
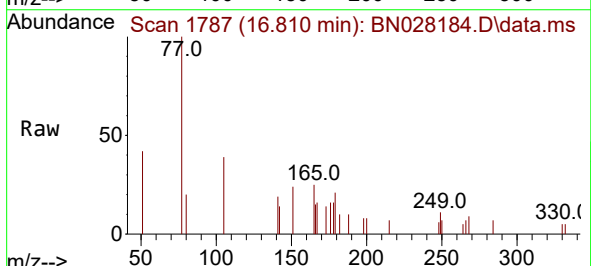
Tgt Ion:198 Resp: 19

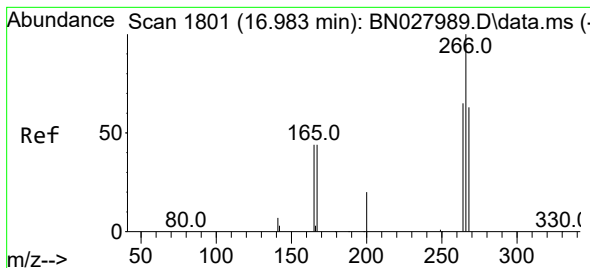
Ion Ratio Lower Upper

198 100

51 526.3 180.7 271.1#

105 482.9 222.2 333.2#





#24

Pentachlorophenol

Concen: 0.038 ng

RT: 16.959 min Scan# 1799

Delta R.T. -0.013 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

Instrument :

BNA_N

ClientSampleId :

BW1D

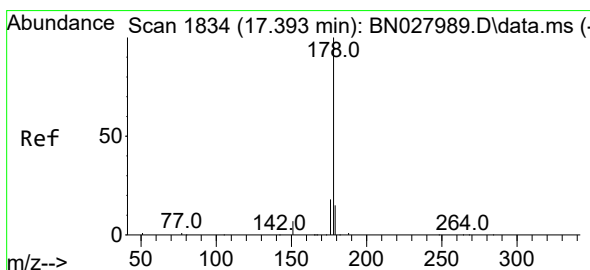
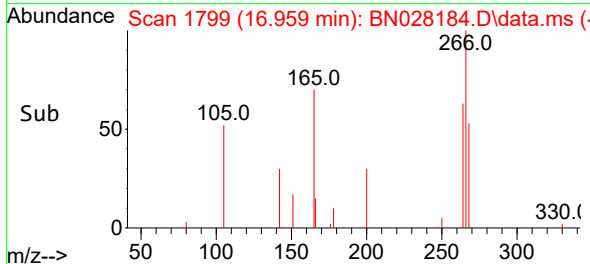
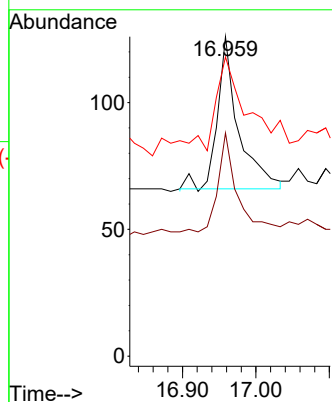
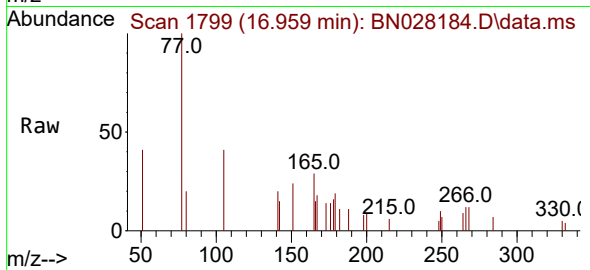
Tgt Ion:266 Resp: 121

Ion Ratio Lower Upper

266 100

264 58.7 52.7 79.1

268 74.4 56.2 84.2



#25

Phenanthrene

Concen: 0.059 ng

RT: 17.356 min Scan# 1831

Delta R.T. -0.013 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

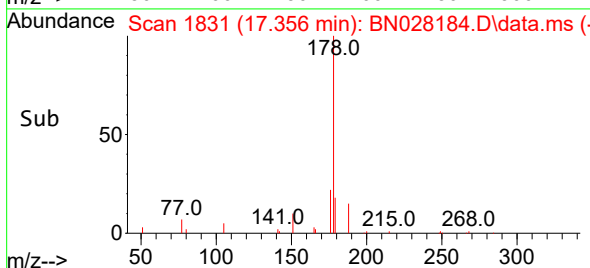
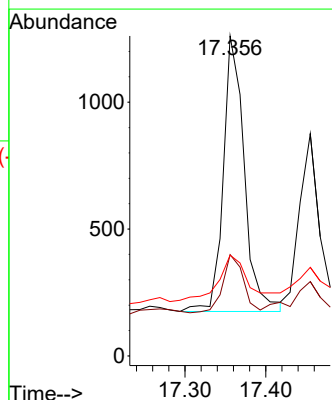
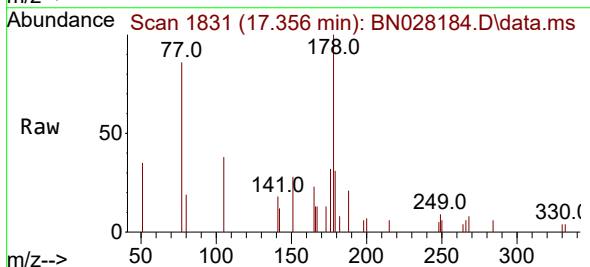
Tgt Ion:178 Resp: 1969

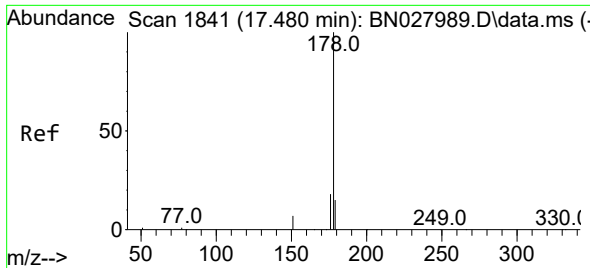
Ion Ratio Lower Upper

178 100

176 20.7 15.3 22.9

179 23.6 12.4 18.6#

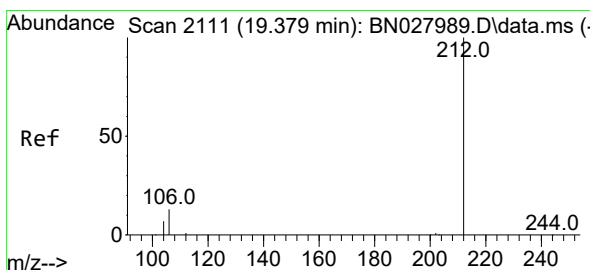
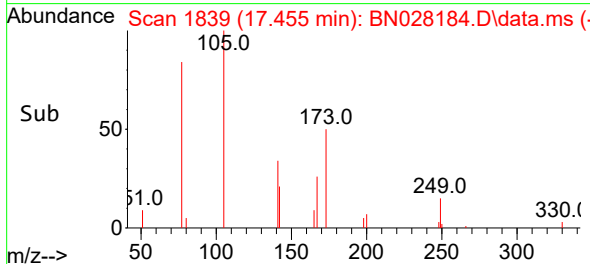
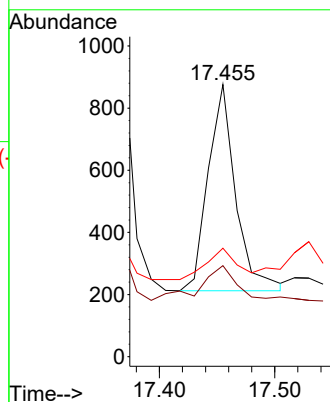
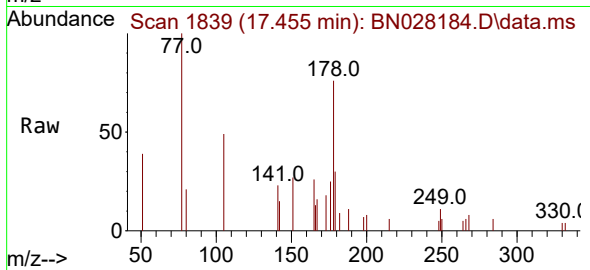




#26
 Anthracene
 Concen: 0.035 ng
 RT: 17.455 min Scan# 110
 Delta R.T. -0.000 min
 Lab File: BN028184.D
 Acq: 10 Oct 2023 06:14

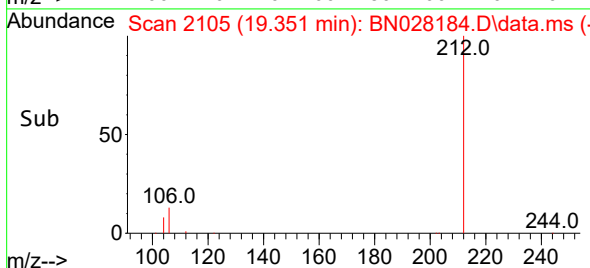
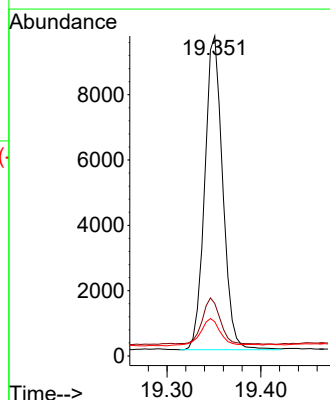
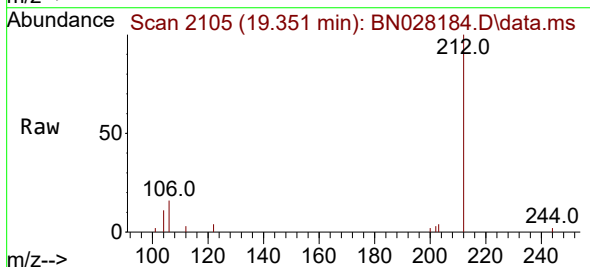
Instrument :
 BNA_N
 ClientSampleId :
 BW1D

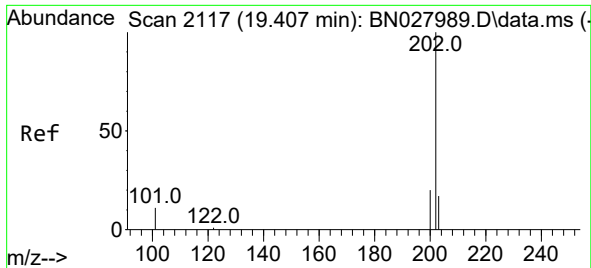
Tgt Ion:178 Resp: 1103
 Ion Ratio Lower Upper
 178 100
 176 24.4 14.7 22.1#
 179 17.0 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.413 ng
 RT: 19.351 min Scan# 2105
 Delta R.T. -0.005 min
 Lab File: BN028184.D
 Acq: 10 Oct 2023 06:14

Tgt Ion:212 Resp: 12799
 Ion Ratio Lower Upper
 212 100
 106 14.9 11.3 16.9
 104 9.8 6.4 9.6#

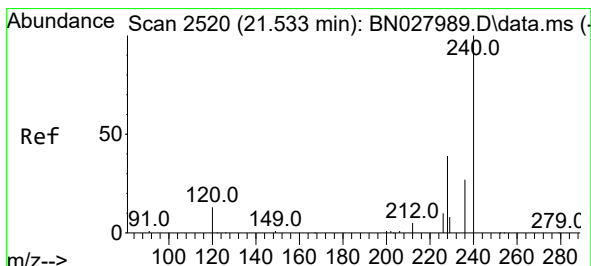
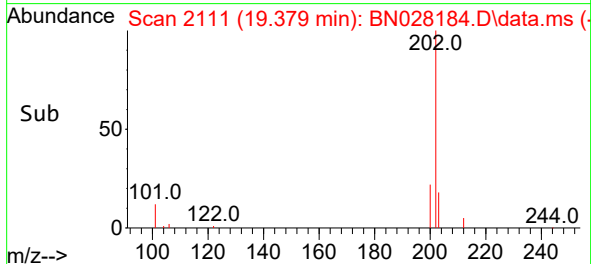
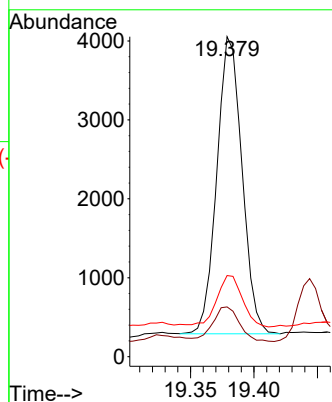
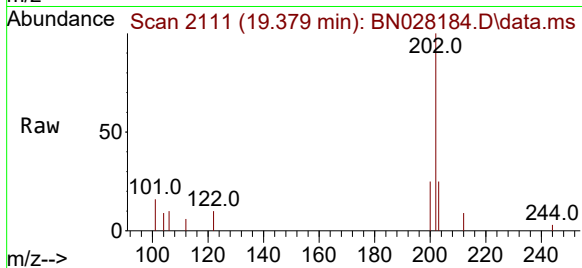




#28
Fluoranthene
Concen: 0.135 ng
RT: 19.379 min Scan# 2111
Delta R.T. -0.005 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

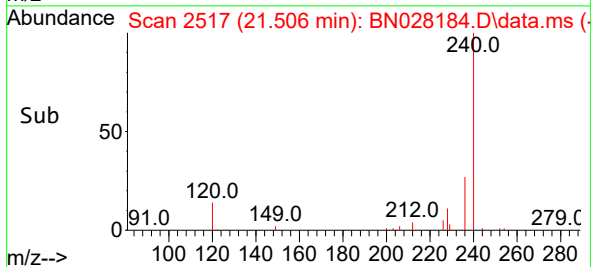
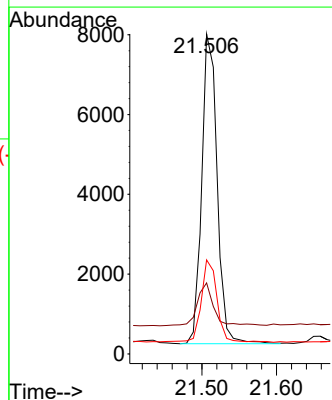
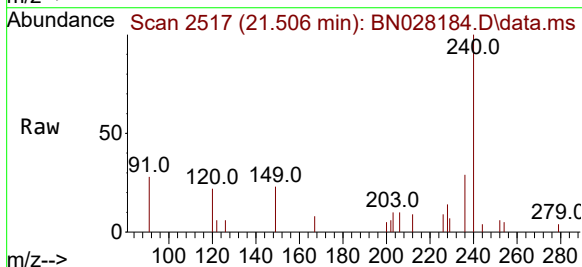
Instrument :
BNA_N
ClientSampleId :
BW1D

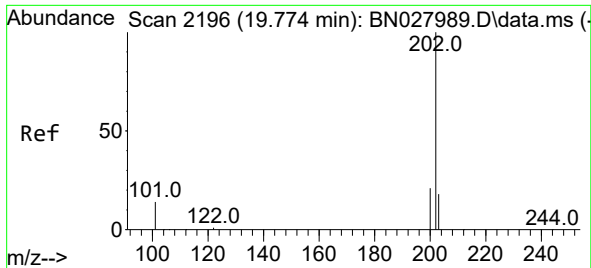
Tgt Ion:202 Resp: 5187
Ion Ratio Lower Upper
202 100
101 12.3 9.8 14.6
203 18.0 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.506 min Scan# 2517
Delta R.T. -0.009 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

Tgt Ion:240 Resp: 11127
Ion Ratio Lower Upper
240 100
120 22.2 13.8 20.6#
236 29.4 22.6 33.8

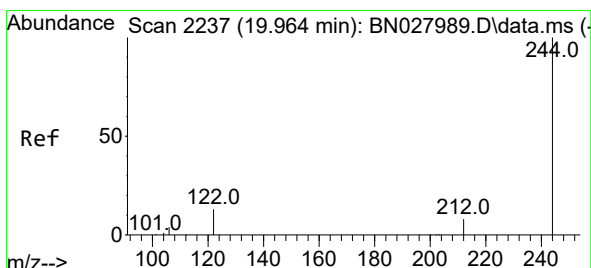
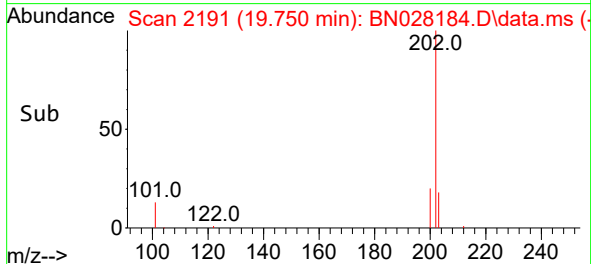
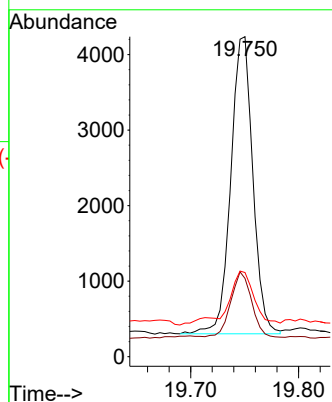
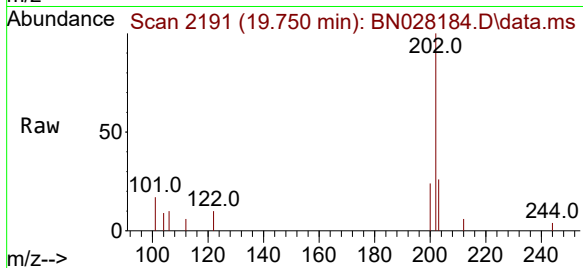




#30
Pyrene
Concen: 0.137 ng
RT: 19.750 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

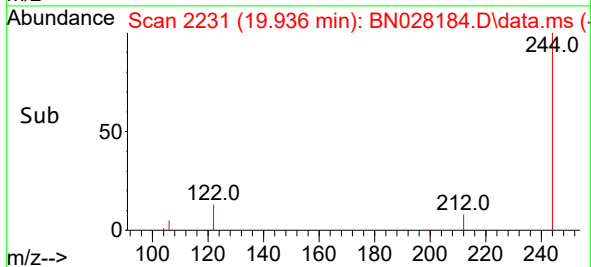
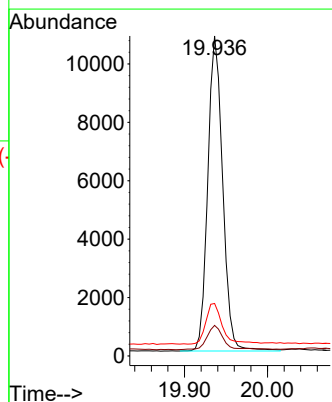
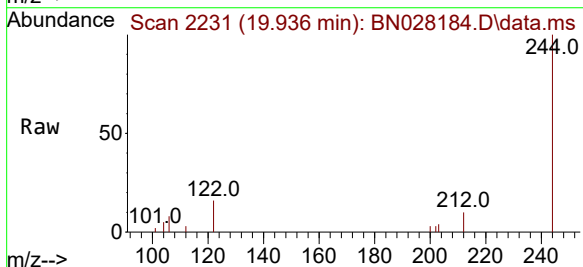
Instrument :
BNA_N
ClientSampleId :
BW1D

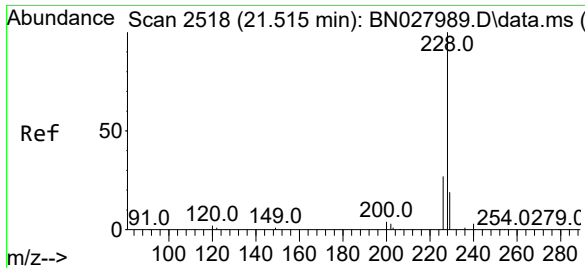
Tgt Ion:202 Resp: 5578
Ion Ratio Lower Upper
202 100
200 21.1 16.5 24.7
203 17.3 14.7 22.1



#31
Terphenyl-d14
Concen: 0.520 ng
RT: 19.936 min Scan# 2231
Delta R.T. -0.005 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

Tgt Ion:244 Resp: 13494
Ion Ratio Lower Upper
244 100
212 9.6 6.6 9.8
122 16.4 11.4 17.0

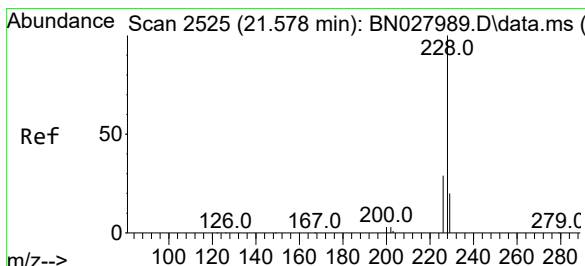
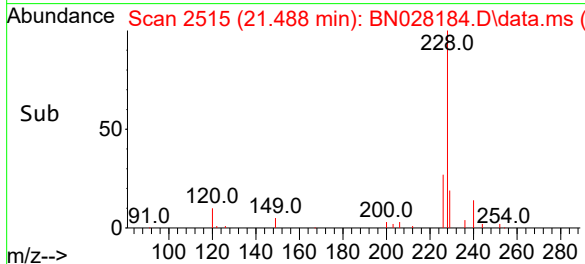
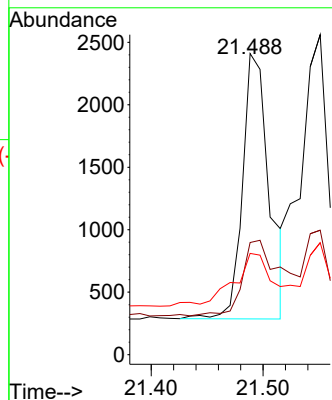
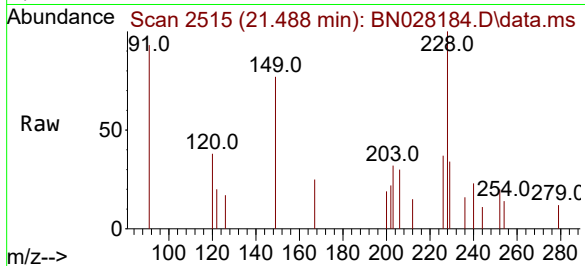




#32
Benzo(a)anthracene
Concen: 0.093 ng
RT: 21.488 min Scan# 2148
Delta R.T. -0.009 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

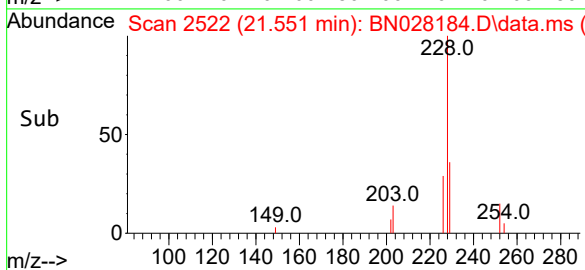
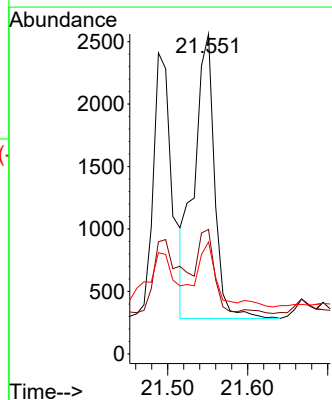
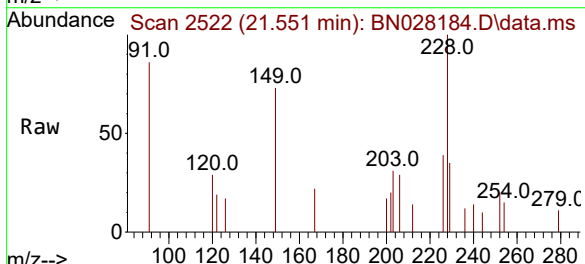
Instrument :
BNA_N
ClientSampleId :
BW1D

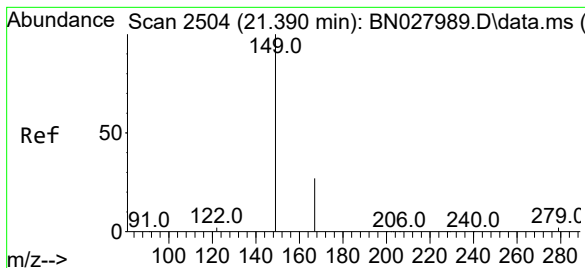
Tgt Ion:228 Resp: 3538
Ion Ratio Lower Upper
228 100
226 37.2 22.0 33.0#
229 33.7 16.0 24.0#



#33
Chrysene
Concen: 0.111 ng
RT: 21.551 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BN028184.D
Acq: 10 Oct 2023 06:14

Tgt Ion:228 Resp: 4035
Ion Ratio Lower Upper
228 100
226 38.9 23.8 35.8#
229 35.0 16.6 25.0#

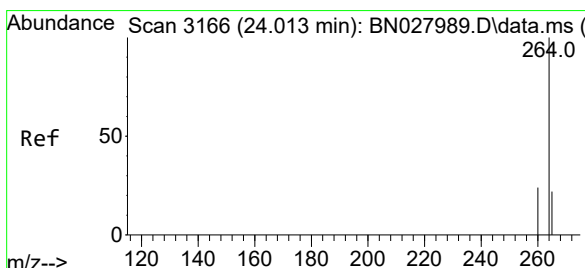
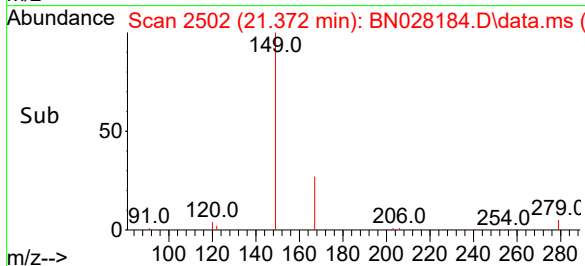
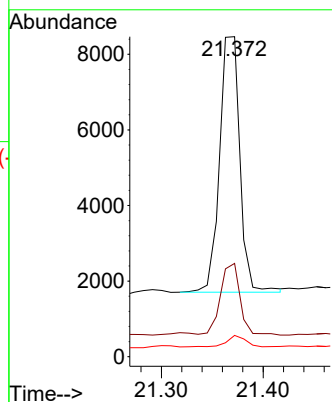
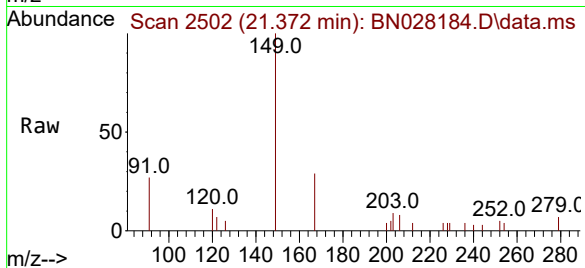




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.376 ng
 RT: 21.372 min Scan# 21372
 Delta R.T. 0.009 min
 Lab File: BN028184.D
 Acq: 10 Oct 2023 06:14

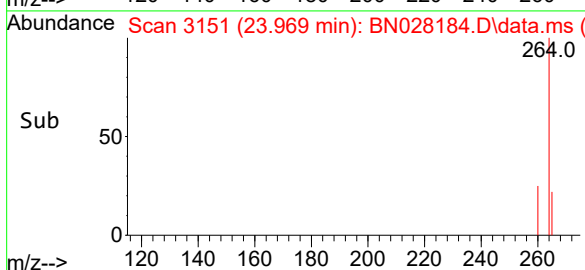
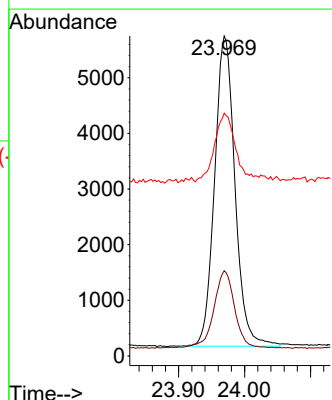
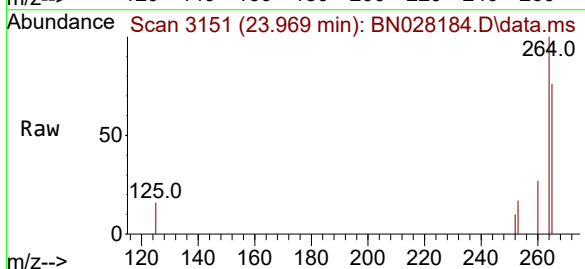
Instrument :
 BNA_N
 ClientSampleId :
 BW1D

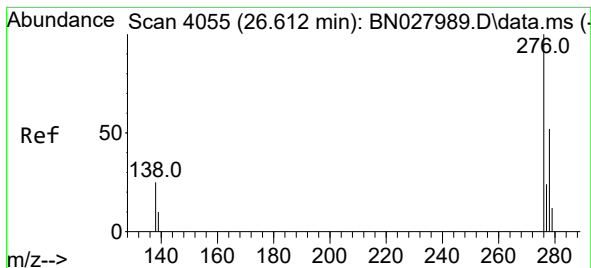
Tgt Ion:149 Resp: 9357
 Ion Ratio Lower Upper
 149 100
 167 27.1 22.1 33.1
 279 4.3 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.969 min Scan# 3151
 Delta R.T. -0.006 min
 Lab File: BN028184.D
 Acq: 10 Oct 2023 06:14

Tgt Ion:264 Resp: 11953
 Ion Ratio Lower Upper
 264 100
 260 26.7 20.2 30.4
 265 75.9 54.8 82.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.091 ng

RT: 26.551 min Scan# 4055

Delta R.T. -0.006 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

Instrument :

BN028184.D

ClientSampleId :

BW1D

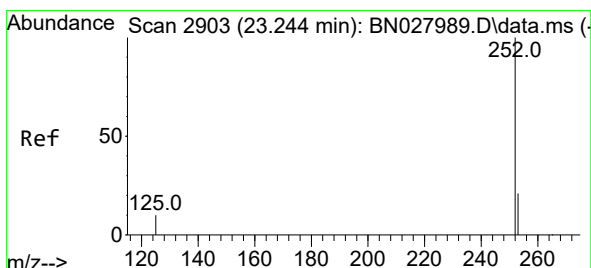
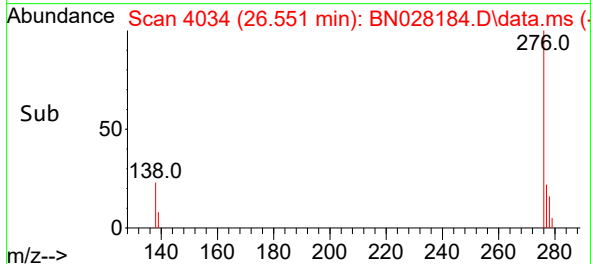
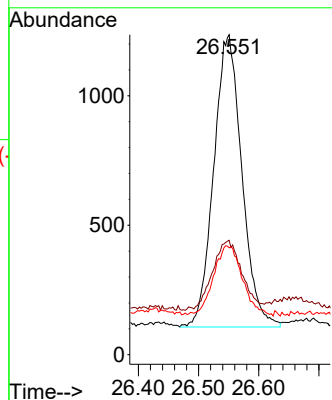
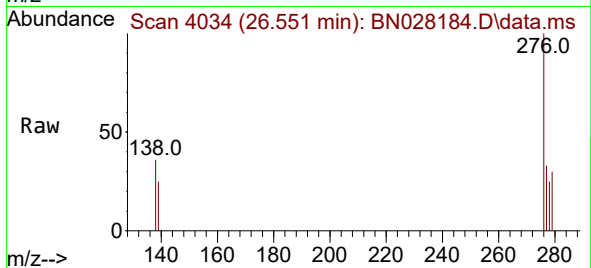
Tgt Ion:276 Resp: 3662

Ion Ratio Lower Upper

276 100

138 24.0 20.9 31.3

277 23.5 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 0.171 ng

RT: 23.209 min Scan# 2891

Delta R.T. -0.003 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

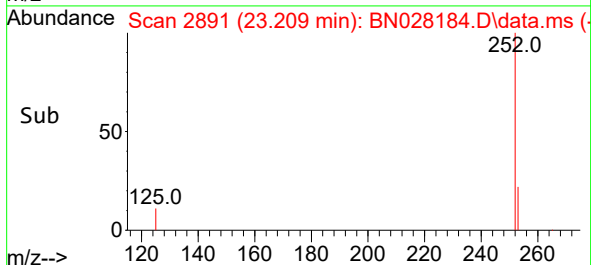
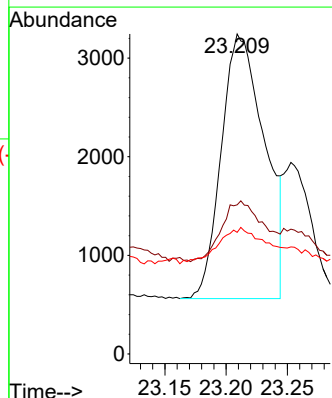
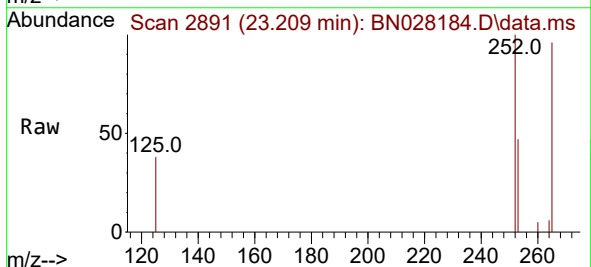
Tgt Ion:252 Resp: 6592

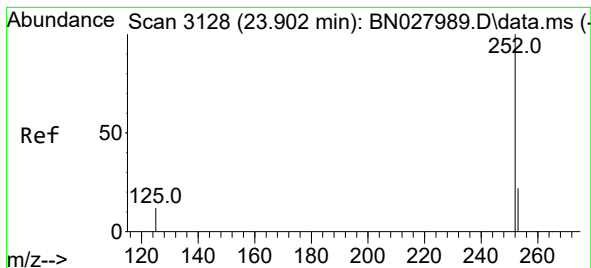
Ion Ratio Lower Upper

252 100

253 46.6 22.9 34.3#

125 38.0 13.8 20.8#





#39

Benzo(a)pyrene

Concen: 0.104 ng

RT: 23.858 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

Instrument :

BNA_N

ClientSampleId :

BW1D

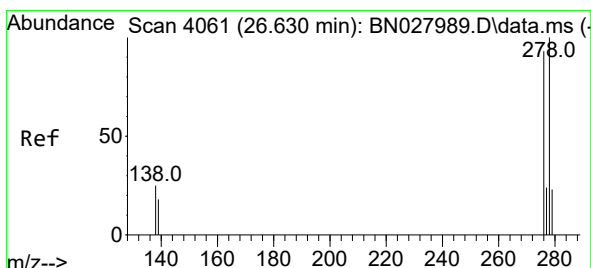
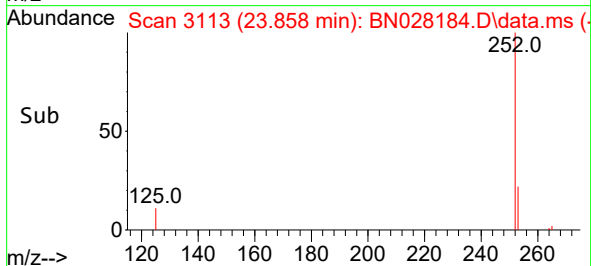
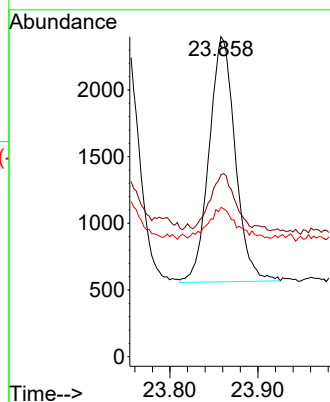
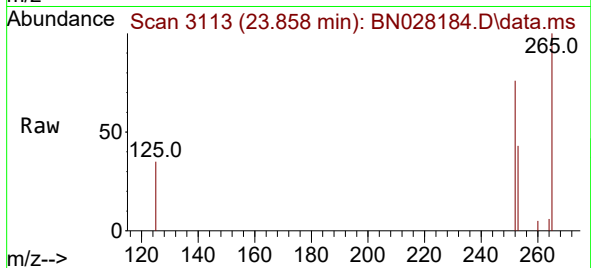
Tgt Ion:252 Resp: 3786

Ion Ratio Lower Upper

252 100

253 56.9 25.0 37.4#

125 46.6 16.6 24.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.028 ng

RT: 26.562 min Scan# 4038

Delta R.T. -0.015 min

Lab File: BN028184.D

Acq: 10 Oct 2023 06:14

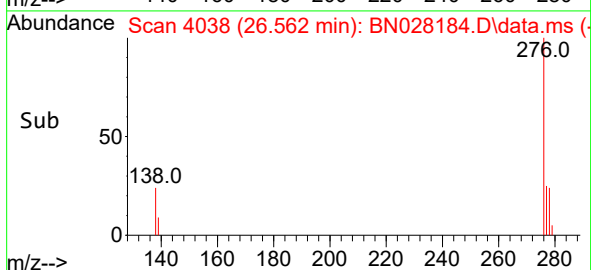
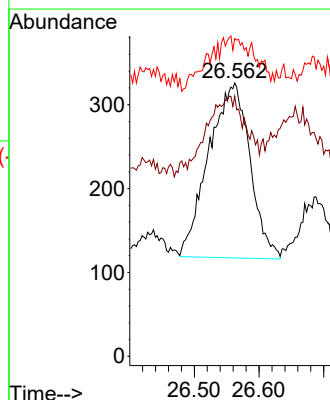
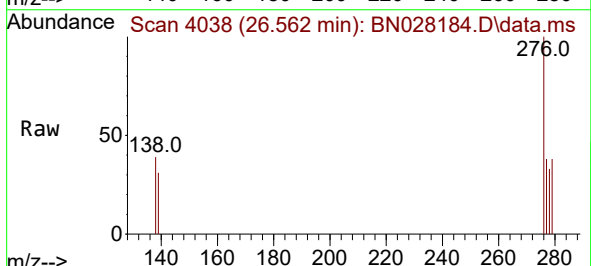
Tgt Ion:278 Resp: 922

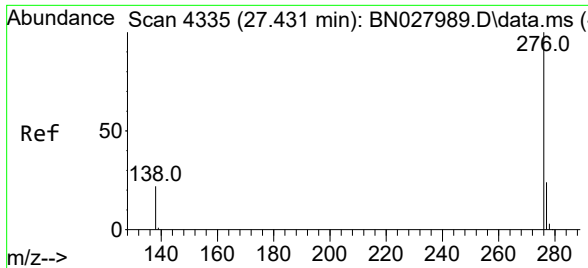
Ion Ratio Lower Upper

278 100

139 95.1 17.7 26.5#

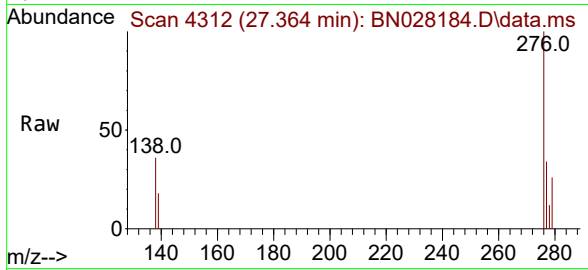
279 116.3 25.2 37.8#





#41
 Benzo(g,h,i)perylene
 Concen: 0.118 ng
 RT: 27.364 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: BN028184.D
 Acq: 10 Oct 2023 06:14

Instrument :
 BNA_N
 ClientSampleId :
 BW1D



Tgt Ion: 276 Resp: 3969

Ion	Ratio	Lower	Upper
276	100		
277	34.5	22.1	33.1#
138	35.8	20.8	31.2#

