

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028259.D
 Acq On : 12 Oct 2023 07:39
 Operator : MA/JU
 Sample : 04805-02MS 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B-1(0-5)MS

Quant Time: Oct 12 08:08:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 06:39:06 2023
 Response via : Initial Calibration

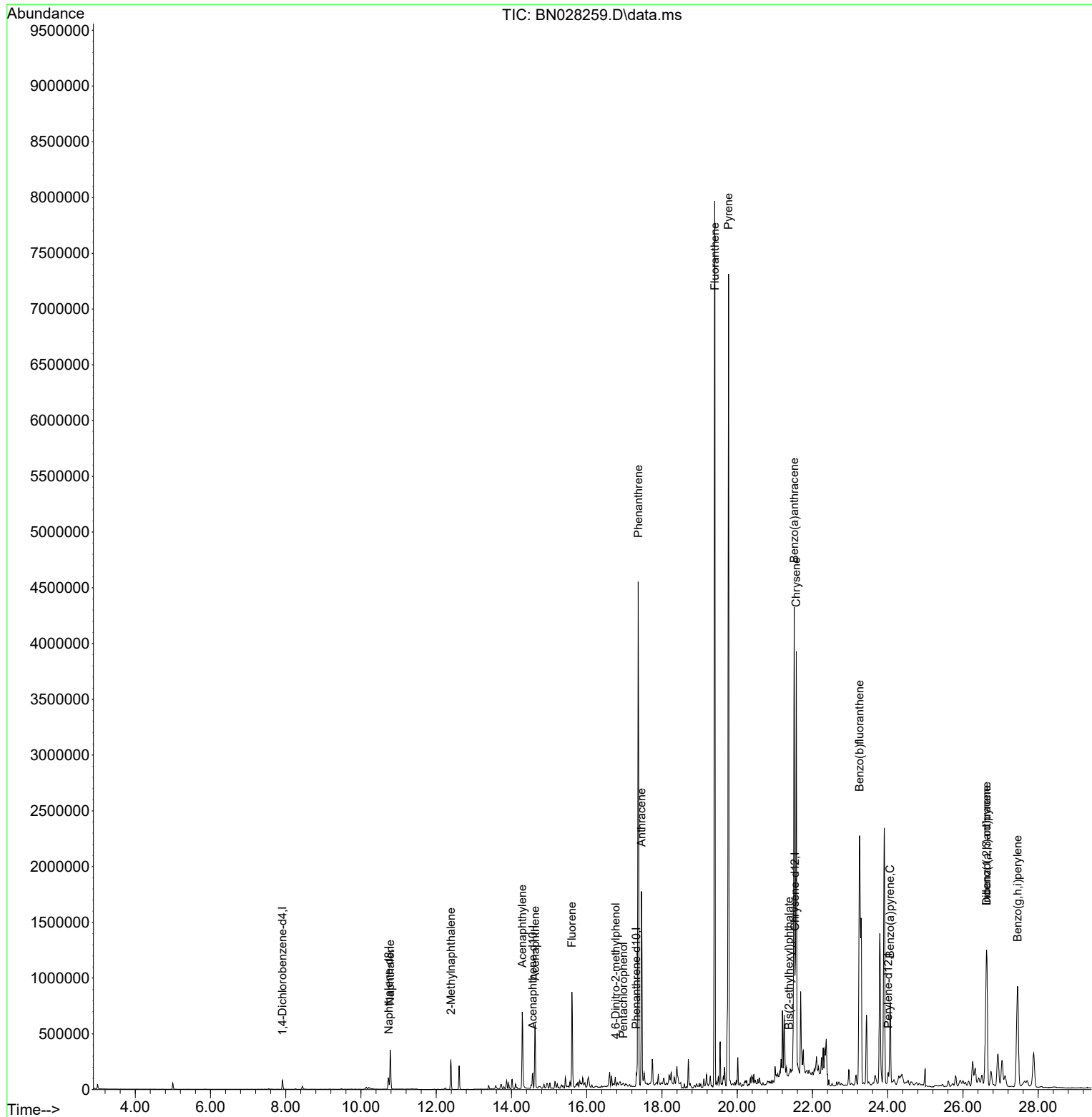
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	40299	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	141343	0.400	ng	# 0.00
13) Acenaphthene-d10	14.566	164	82603	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	174625	0.400	ng	0.00
29) Chrysene-d12	21.533	240	135881	0.400	ng	# 0.02
35) Perylene-d12	24.013	264	156326	0.400	ng	# 0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.452	112	730	0.006	ng	-0.01
5) Phenol-d6	7.084	99	924	0.006	ng	0.00
8) Nitrobenzene-d5	9.112	82	935	0.008	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	1210	0.006	ng	-0.01
14) 2,4,6-Tribromophenol	16.065	330	265	0.007	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	1688	0.006	ng	0.00
27) Fluoranthene-d10	19.365	212	1289	0.003	ng	0.00
31) Terphenyl-d14	19.978	244	852	0.003	ng	0.04
Target Compounds						
9) Naphthalene	10.778	128	457213	1.252	ng	99
12) 2-Methylnaphthalene	12.389	142	189761	0.743	ng	100
16) Acenaphthylene	14.288	152	848129	2.318	ng	100
17) Acenaphthene	14.630	154	315085	1.351	ng	99
18) Fluorene	15.606	166	667801	2.204	ng	96
20) 4,6-Dinitro-2-methylph...	16.773	198	630	0.271	ng	# 47
24) Pentachlorophenol	16.971	266	3077	0.068	ng	97
25) Phenanthrene	17.368	178	4853219	10.309	ng	99
26) Anthracene	17.455	178	1877803	4.220	ng	98
28) Fluoranthene	19.402	202	7818583	14.390	ng	97
30) Pyrene	19.769	202	7177849	14.406	ng	98
32) Benzo(a)anthracene	21.515	228	3840812	8.307	ng	97
33) Chrysene	21.569	228	3376360	7.577	ng	97
34) Bis(2-ethylhexyl)phtha...	21.372	149	10396	0.034	ng	# 30
36) Indeno(1,2,3-cd)pyrene	26.627	276	2258132	4.294	ng	97
37) Benzo(b)fluoranthene	23.253	252	4432393	8.779	ng	# 89
39) Benzo(a)pyrene	24.066	252	957905	2.007	ng	93
40) Dibenzo(a,h)anthracene	26.627	278	609947	1.418	ng	99
41) Benzo(g,h,i)perylene	27.451	276	2099781	4.756	ng	96

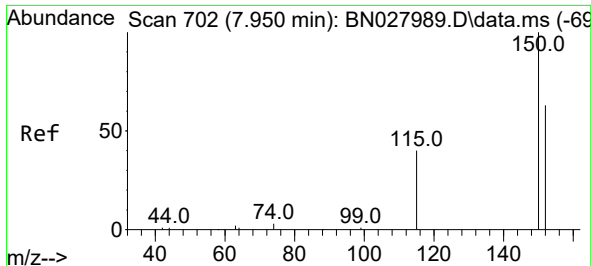
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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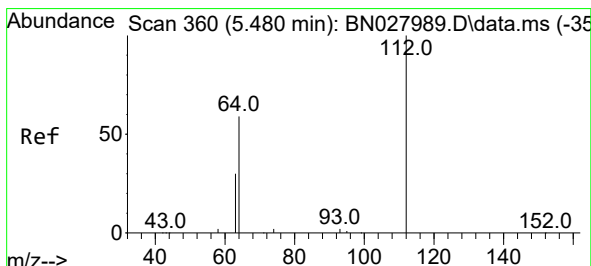
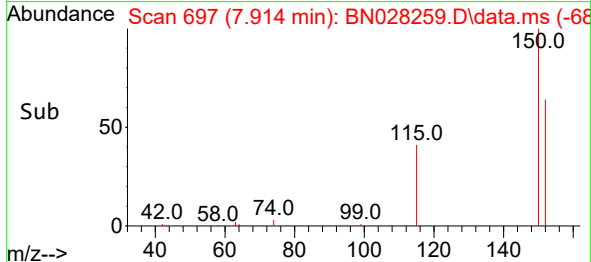
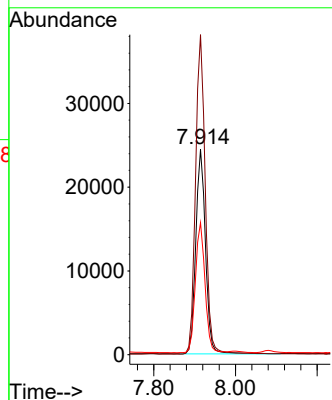
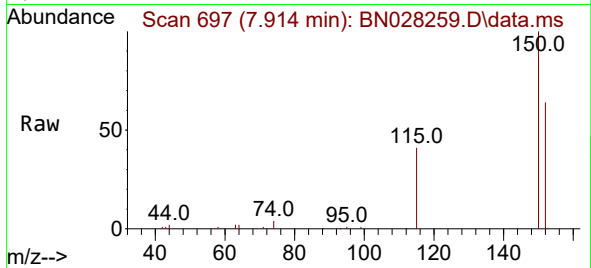




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.914 min Scan# 61
 Delta R.T. -0.008 min
 Lab File: BN028259.D
 Acq: 12 Oct 2023 07:39

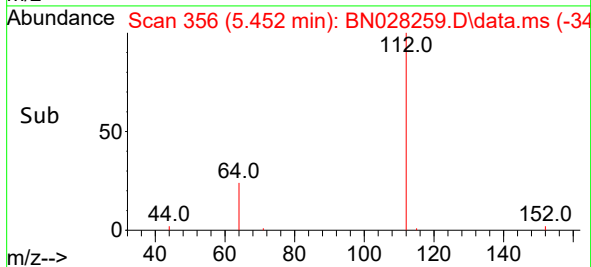
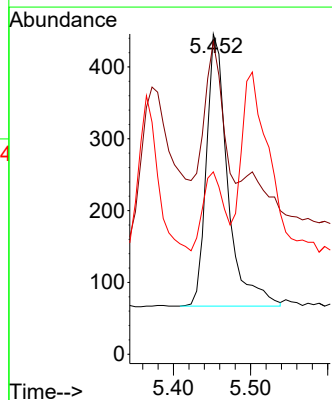
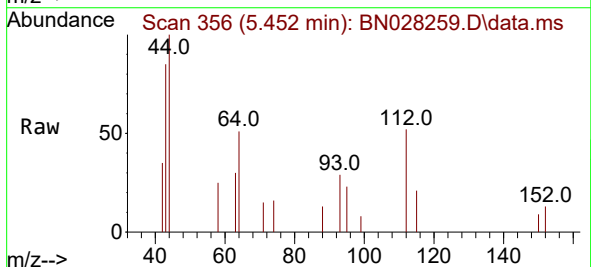
Instrument :
 BNA_N
 ClientSampleId :
 B-1(0-5)MS

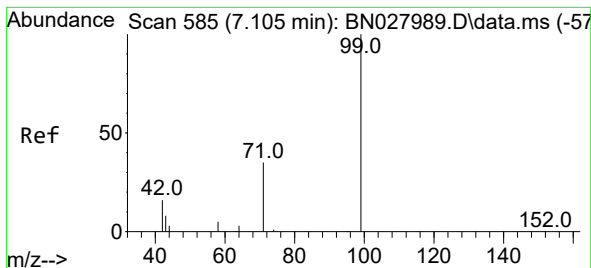
Tgt Ion:152 Resp: 40299
 Ion Ratio Lower Upper
 152 100
 150 155.9 125.6 188.4
 115 64.3 54.8 82.2



#4
 2-Fluorophenol
 Concen: 0.006 ng
 RT: 5.452 min Scan# 356
 Delta R.T. -0.014 min
 Lab File: BN028259.D
 Acq: 12 Oct 2023 07:39

Tgt Ion:112 Resp: 730
 Ion Ratio Lower Upper
 112 100
 64 39.0 45.0 67.6#
 63 27.9 23.4 35.0





#5

Phenol-d6

Concen: 0.006 ng

RT: 7.084 min Scan# 51

Delta R.T. -0.007 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

Instrument :

BNA_N

ClientSampleId :

B-1(0-5)MS

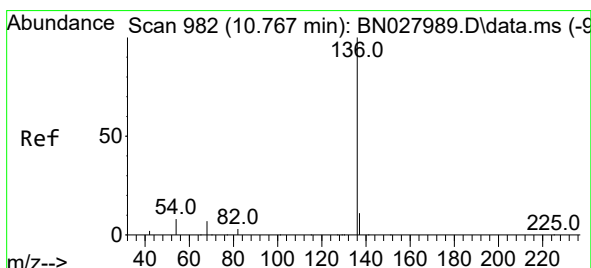
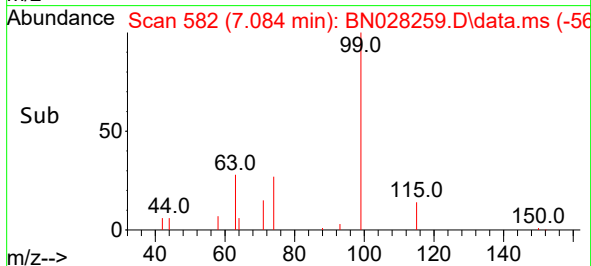
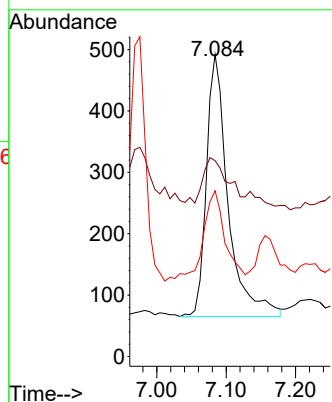
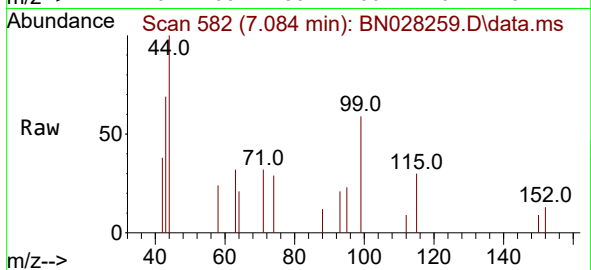
Tgt Ion: 99 Resp: 924

Ion Ratio Lower Upper

99 100

42 18.5 14.6 22.0

71 35.2 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: BN028259.D

Acq: 12 Oct 2023 07:39

Tgt Ion: 136 Resp: 141343

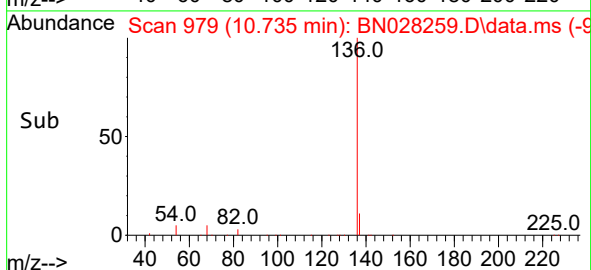
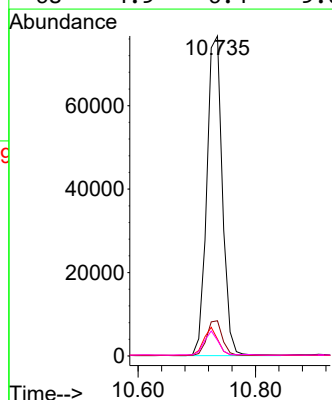
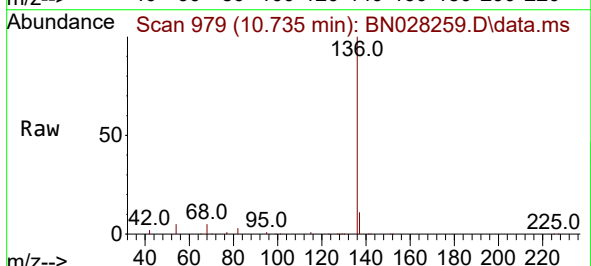
Ion Ratio Lower Upper

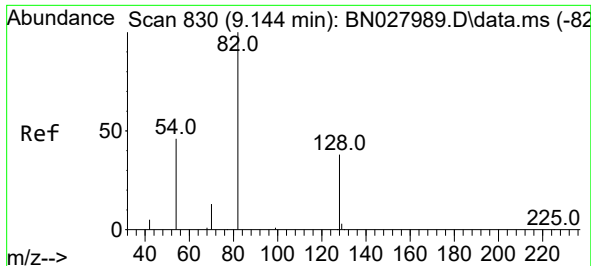
136 100

137 11.0 9.4 14.0

54 5.2 7.0 10.6#

68 4.9 6.4 9.6#

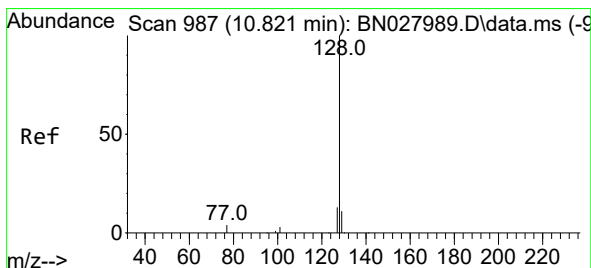
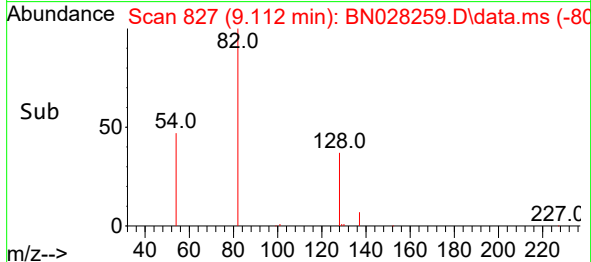
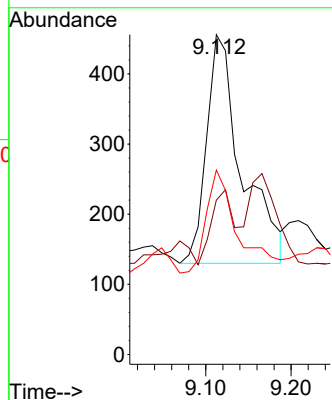
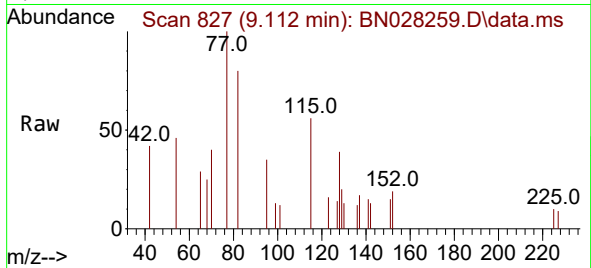




#8
Nitrobenzene-d5
Concen: 0.008 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028259.D
Acq: 12 Oct 2023 07:39

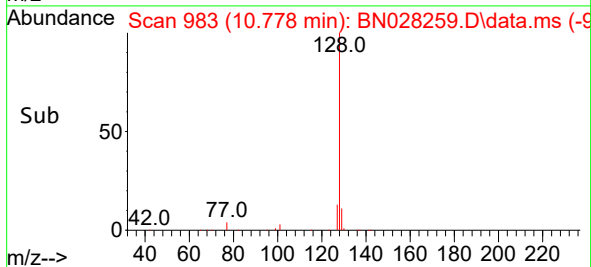
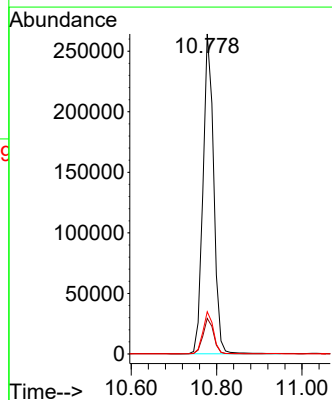
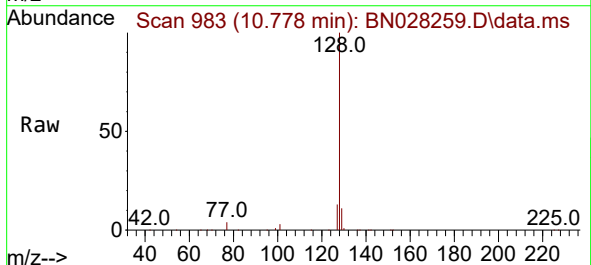
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)MS

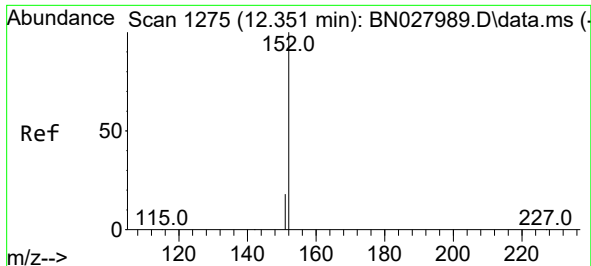
Tgt Ion: 82	Resp: 935
Ion Ratio	Lower Upper
82	100
128	48.2 32.7 49.1
54	57.7 38.7 58.1



#9
Naphthalene
Concen: 1.252 ng
RT: 10.778 min Scan# 983
Delta R.T. -0.011 min
Lab File: BN028259.D
Acq: 12 Oct 2023 07:39

Tgt Ion: 128	Resp: 457213
Ion Ratio	Lower Upper
128	100
129	11.1 9.4 14.2
127	13.2 10.9 16.3





#11

2-Methylnaphthalene-d10

Concen: 0.006 ng

RT: 12.313 min Scan# 1265

Delta R.T. -0.011 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

Instrument :

BNA_N

ClientSampleId :

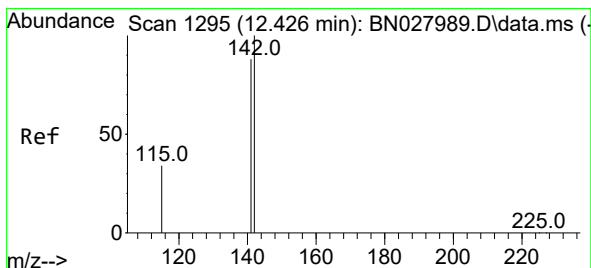
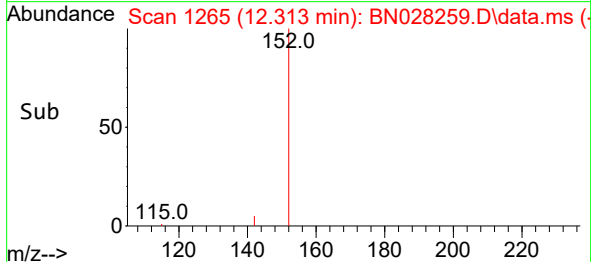
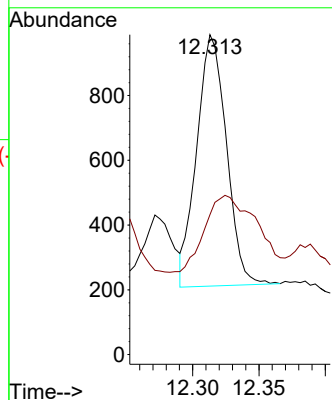
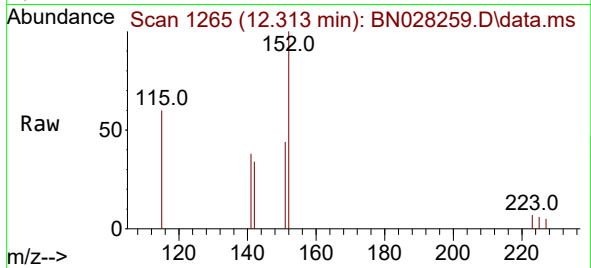
B-1(0-5)MS

Tgt Ion:152 Resp: 1210

Ion Ratio Lower Upper

152 100

151 53.8 16.5 24.7#



#12

2-Methylnaphthalene

Concen: 0.743 ng

RT: 12.389 min Scan# 1285

Delta R.T. -0.011 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

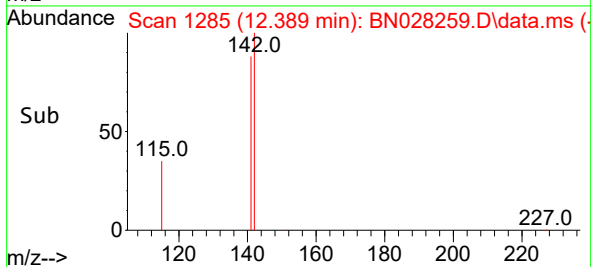
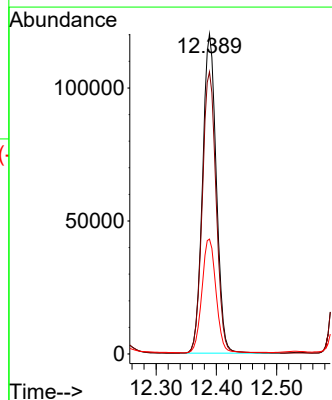
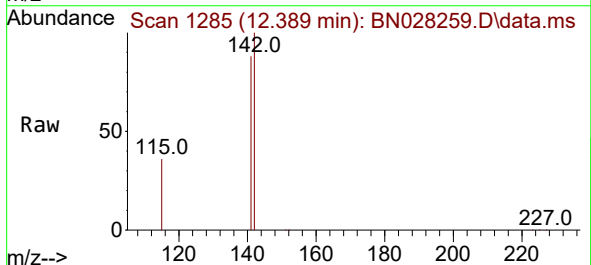
Tgt Ion:142 Resp: 189761

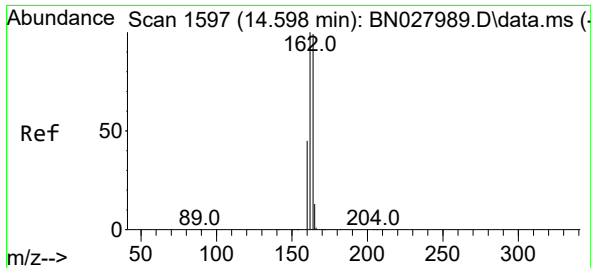
Ion Ratio Lower Upper

142 100

141 88.2 70.7 106.1

115 35.9 28.6 42.8

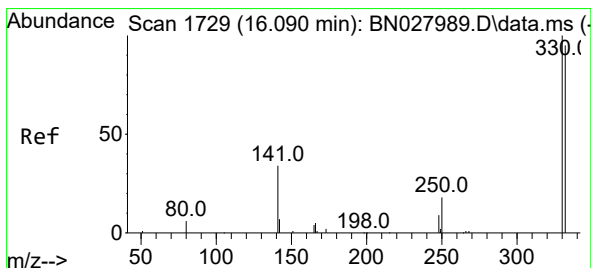
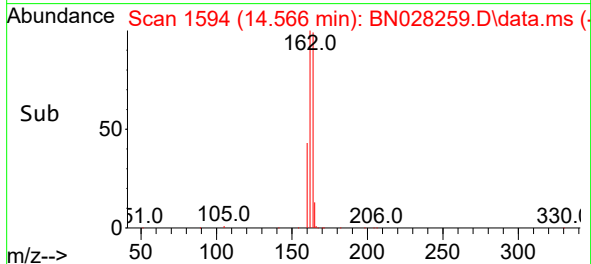
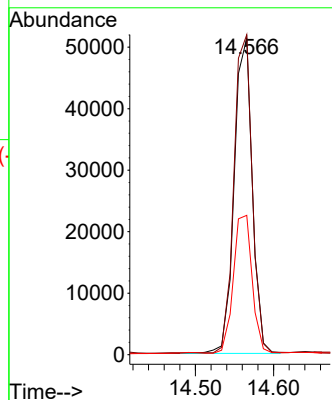
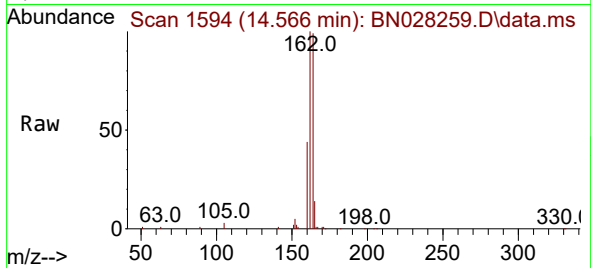




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028259.D
Acq: 12 Oct 2023 07:39

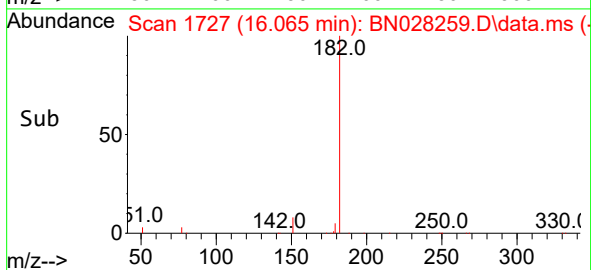
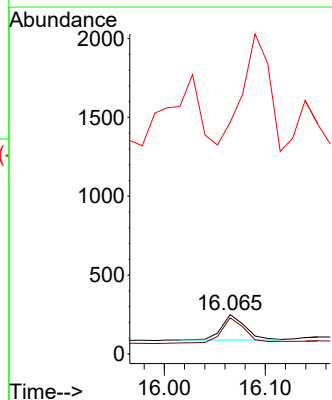
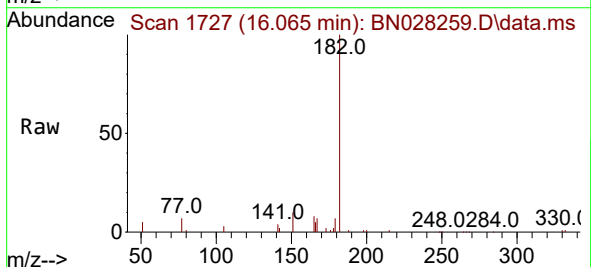
Instrument :
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B-1(0-5)MS

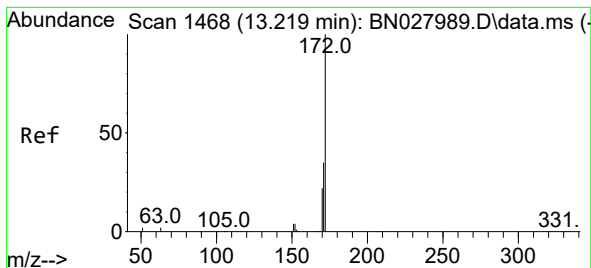
Tgt Ion:164 Resp: 82603
Ion Ratio Lower Upper
164 100
162 101.1 80.8 121.2
160 44.0 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.007 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028259.D
Acq: 12 Oct 2023 07:39

Tgt Ion:330 Resp: 265
Ion Ratio Lower Upper
330 100
332 101.9 78.1 117.1
141 0.0 33.4 50.2#





#15

2-Fluorobiphenyl

Concen: 0.006 ng

RT: 13.187 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

Instrument :

BNA_N

ClientSampleId :

B-1(0-5)MS

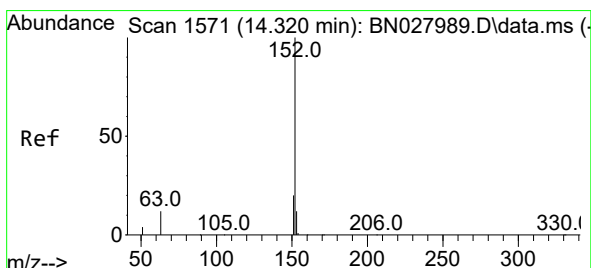
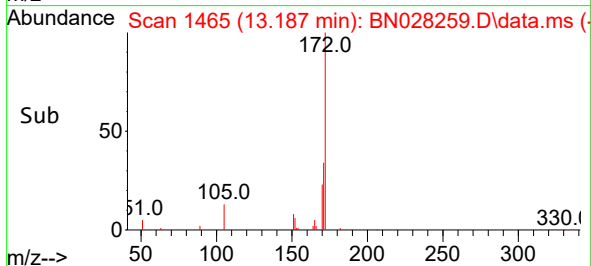
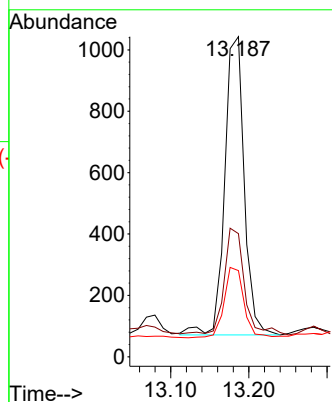
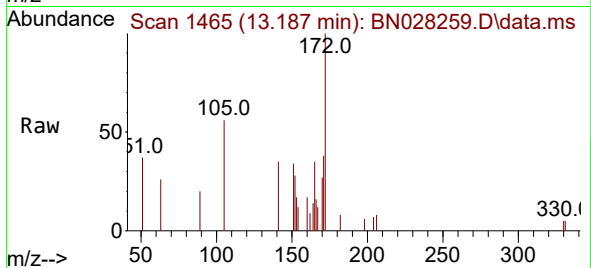
Tgt Ion:172 Resp: 1688

Ion Ratio Lower Upper

172 100

171 38.4 28.1 42.1

170 26.9 18.4 27.6



#16

Acenaphthylene

Concen: 2.318 ng

RT: 14.288 min Scan# 1568

Delta R.T. -0.011 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

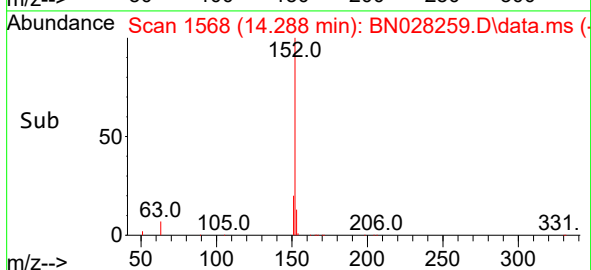
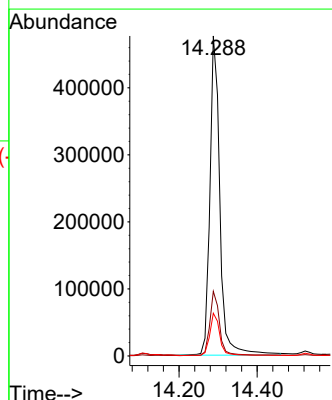
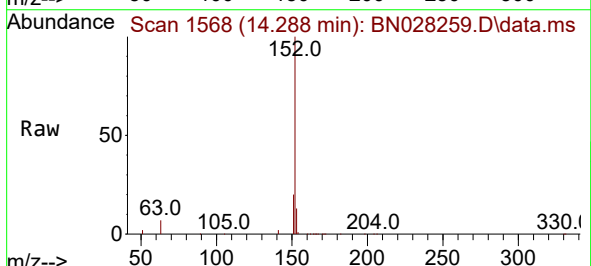
Tgt Ion:152 Resp: 848129

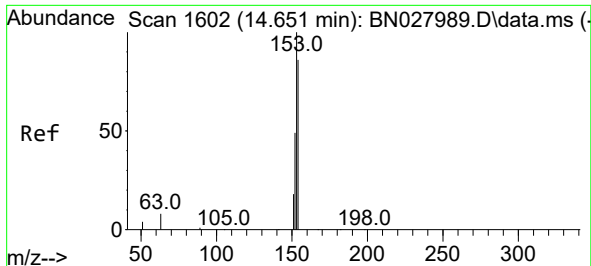
Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 13.2 10.2 15.4

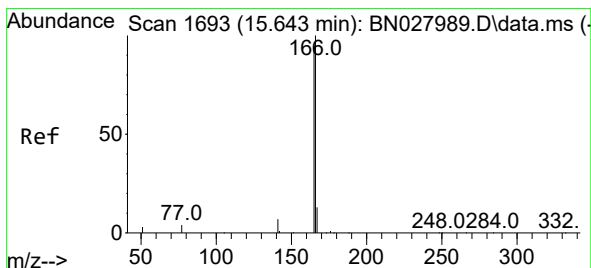
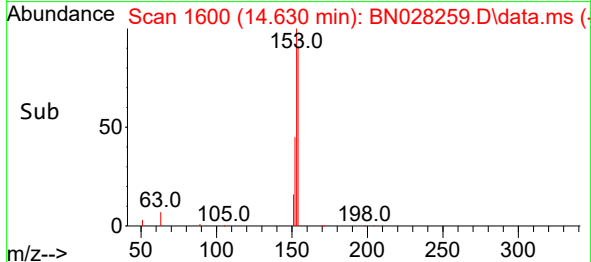
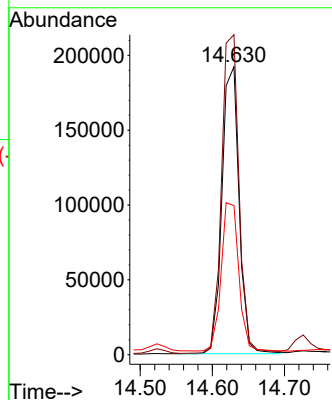
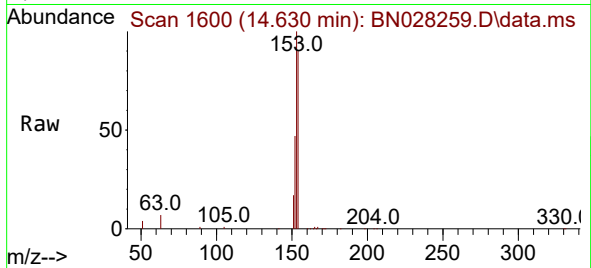




#17
Acenaphthene
Concen: 1.351 ng
RT: 14.630 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN028259.D
Acq: 12 Oct 2023 07:39

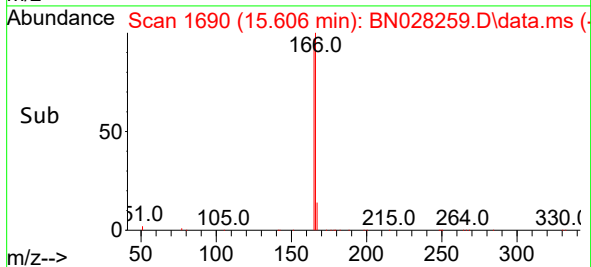
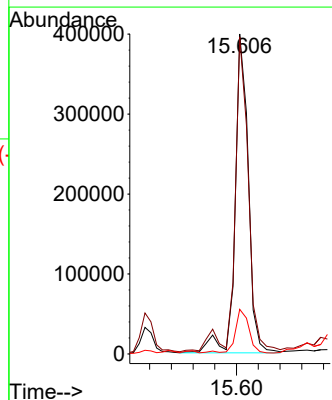
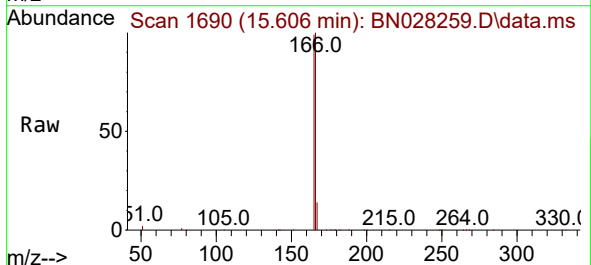
Instrument :
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B-1(0-5)MS

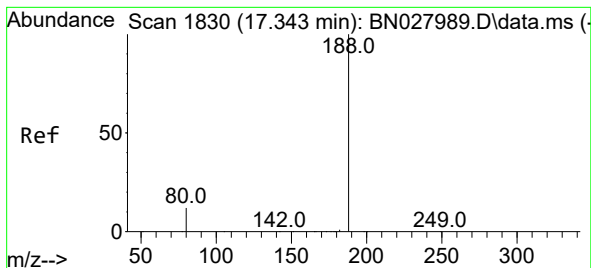
Tgt Ion:154 Resp: 315085
Ion Ratio Lower Upper
154 100
153 113.7 90.8 136.2
152 53.2 43.9 65.9



#18
Fluorene
Concen: 2.204 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028259.D
Acq: 12 Oct 2023 07:39

Tgt Ion:166 Resp: 667801
Ion Ratio Lower Upper
166 100
165 101.4 77.8 116.8
167 14.2 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.319 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

Instrument :

BNA_N

ClientSampleId :

B-1(0-5)MS

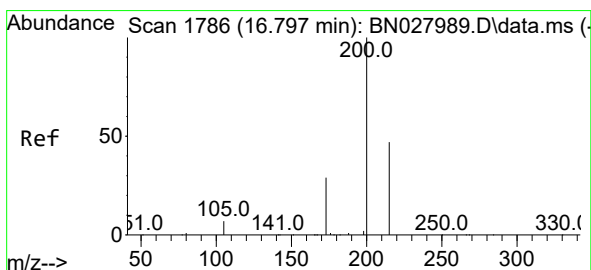
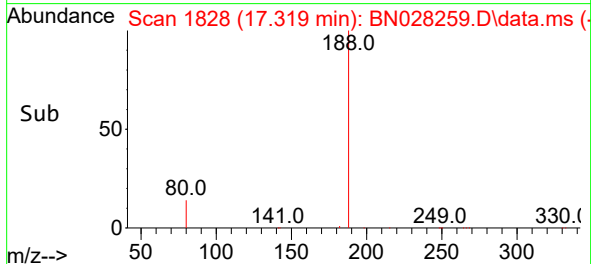
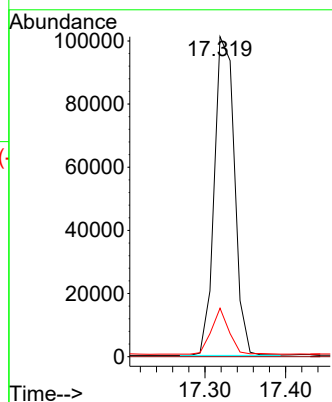
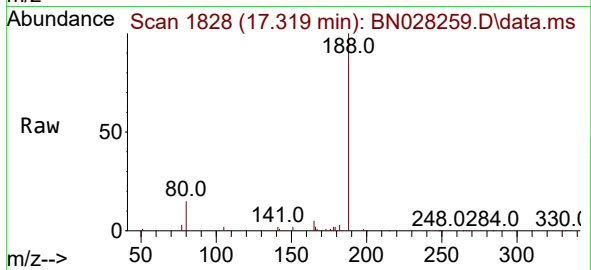
Tgt Ion:188 Resp: 174625

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.2 10.2 15.4



#20

4,6-Dinitro-2-methylphenol

Concen: 0.271 ng

RT: 16.773 min Scan# 1784

Delta R.T. -0.012 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

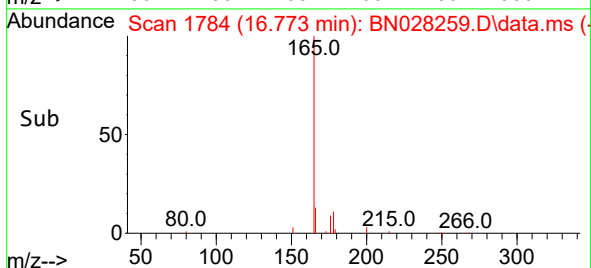
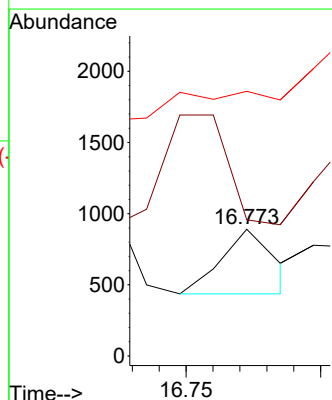
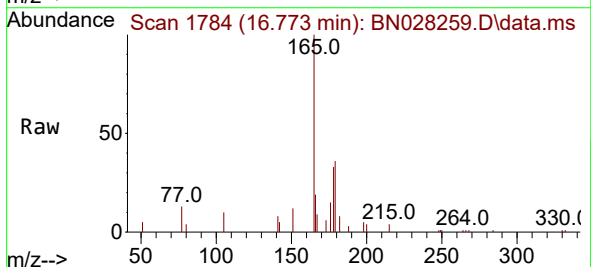
Tgt Ion:198 Resp: 630

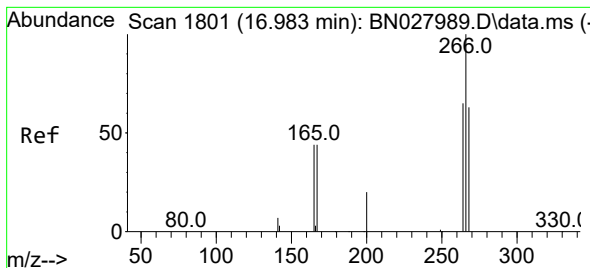
Ion Ratio Lower Upper

198 100

51 107.4 180.7 271.1#

105 208.6 222.2 333.2#





#24

Pentachlorophenol

Concen: 0.068 ng

RT: 16.971 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

Instrument :

BNA_N

ClientSampleId :

B-1(0-5)MS

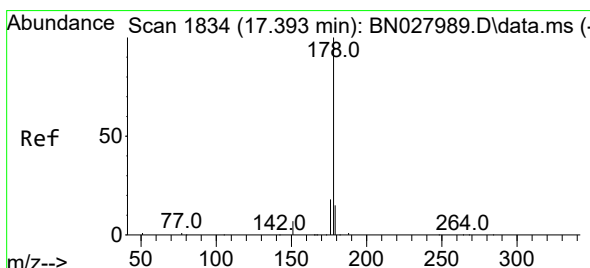
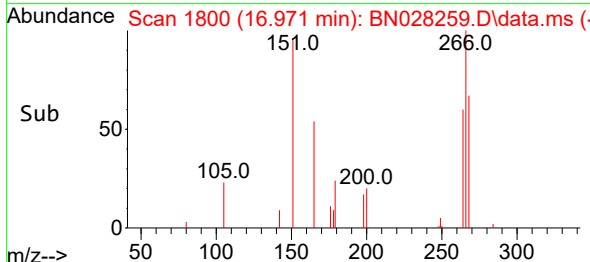
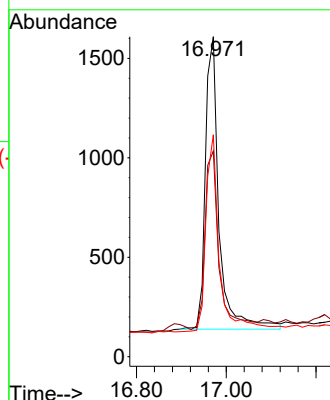
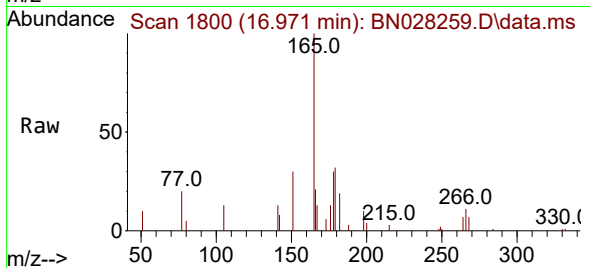
Tgt Ion:266 Resp: 3077

Ion Ratio Lower Upper

266 100

264 62.9 52.7 79.1

268 67.6 56.2 84.2



#25

Phenanthrene

Concen: 10.309 ng

RT: 17.368 min Scan# 1832

Delta R.T. -0.000 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

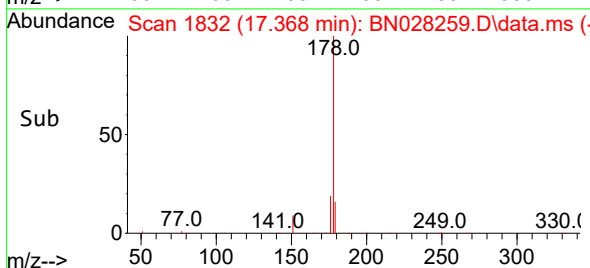
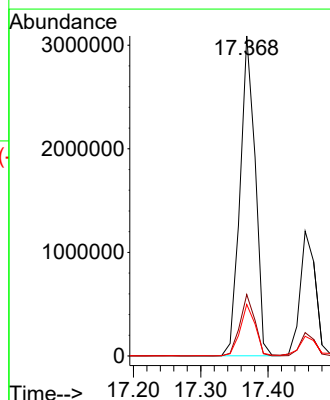
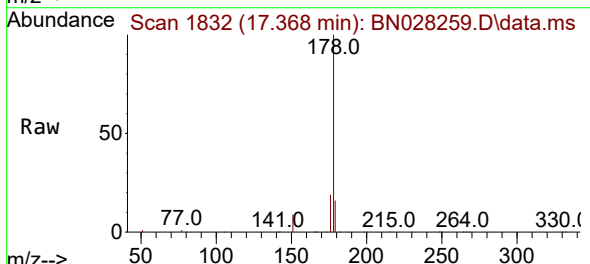
Tgt Ion:178 Resp: 4853219

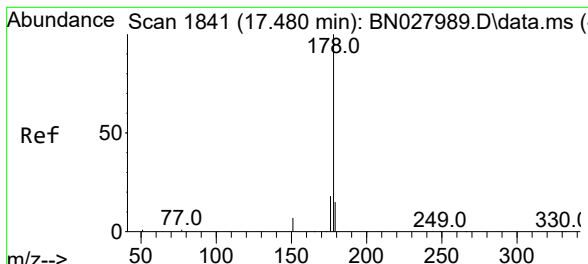
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 16.2 12.4 18.6

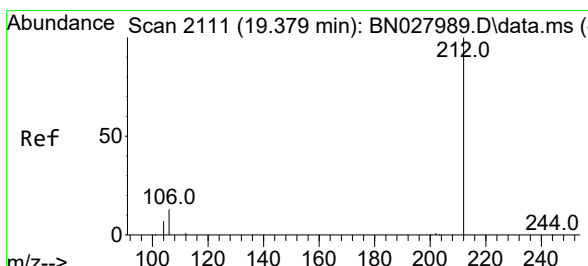
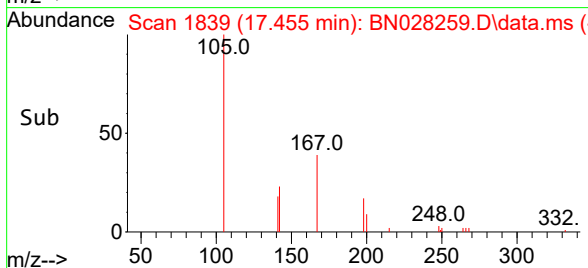
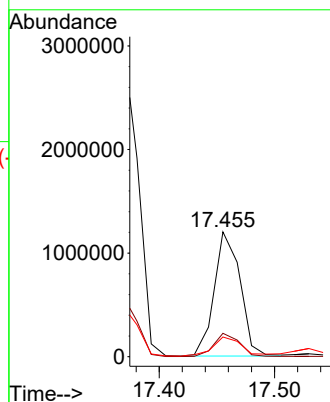
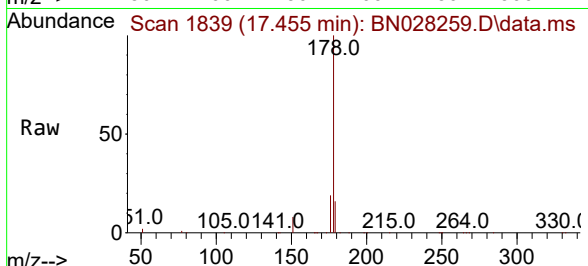




#26
 Anthracene
 Concen: 4.220 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028259.D
 Acq: 12 Oct 2023 07:39

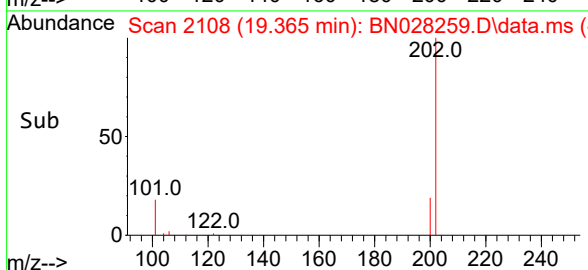
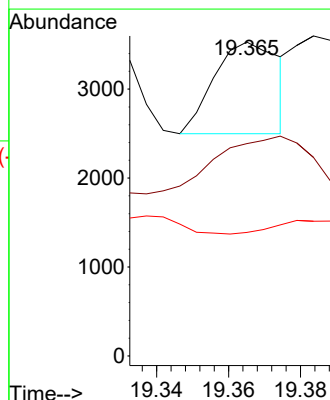
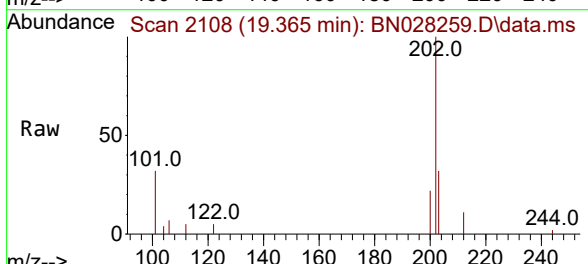
Instrument :
 BNA_N
 ClientSampleId :
 B-1(0-5)MS

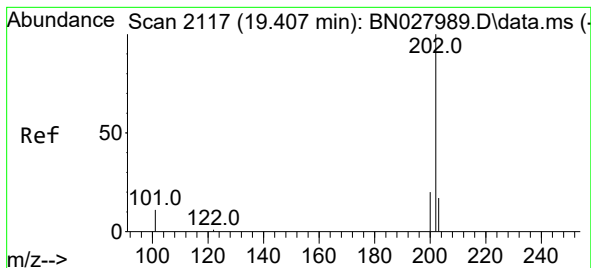
Tgt Ion:178 Resp: 1877803
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.7 22.1
 179 16.9 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.003 ng
 RT: 19.365 min Scan# 2108
 Delta R.T. 0.009 min
 Lab File: BN028259.D
 Acq: 12 Oct 2023 07:39

Tgt Ion:212 Resp: 1289
 Ion Ratio Lower Upper
 212 100
 106 110.8 11.3 16.9#
 104 0.0 6.4 9.6#





#28

Fluoranthene

Concen: 14.390 ng

RT: 19.402 min Scan# 2116

Delta R.T. 0.019 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

Instrument :

BNA_N

ClientSampleId :

B-1(0-5)MS

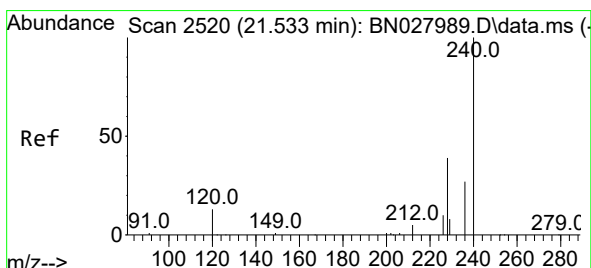
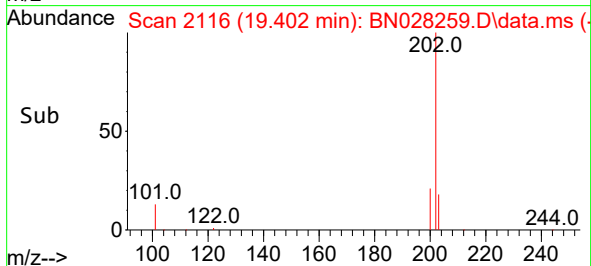
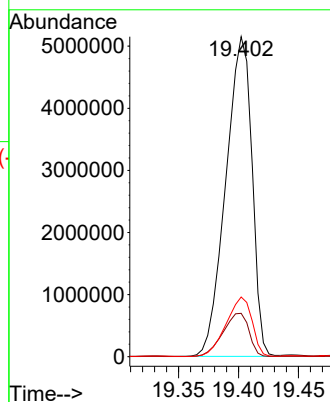
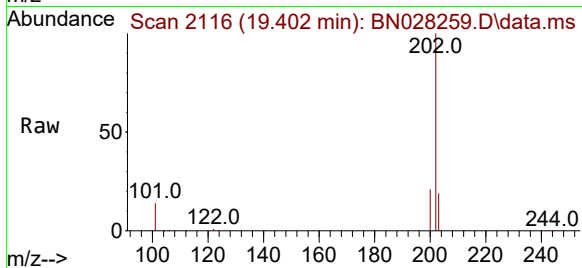
Tgt Ion:202 Resp: 7818583

Ion Ratio Lower Upper

202 100

101 13.5 9.8 14.6

203 18.3 13.8 20.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.533 min Scan# 2520

Delta R.T. 0.018 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

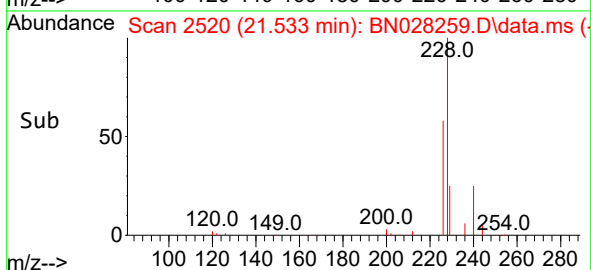
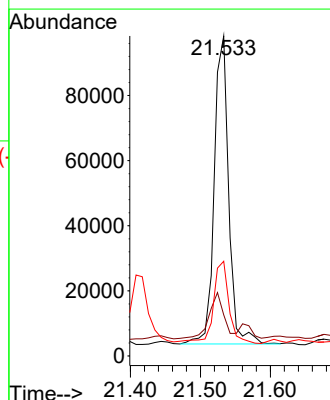
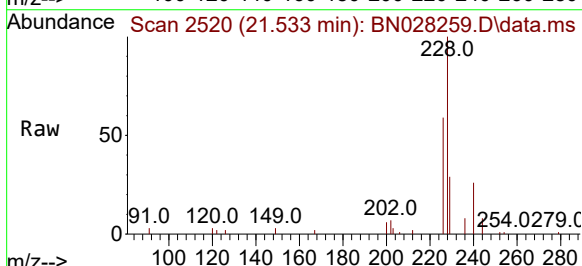
Tgt Ion:240 Resp: 135881

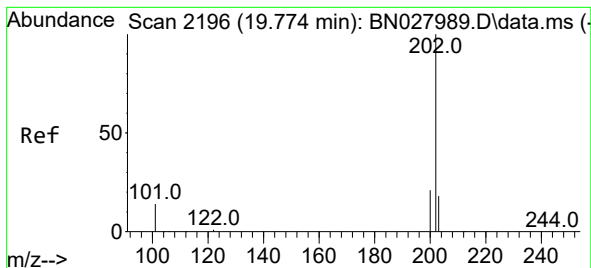
Ion Ratio Lower Upper

240 100

120 12.9 13.8 20.6#

236 29.6 22.6 33.8





#30

Pyrene

Concen: 14.406 ng

RT: 19.769 min Scan# 2195

Delta R.T. 0.019 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

Instrument :

BNA_N

ClientSampleId :

B-1(0-5)MS

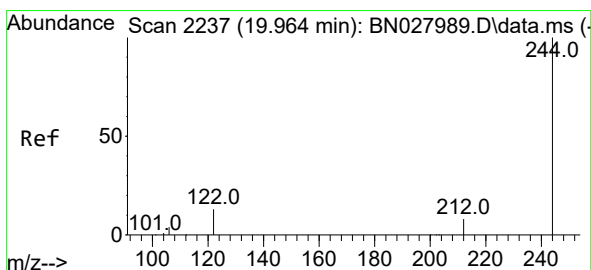
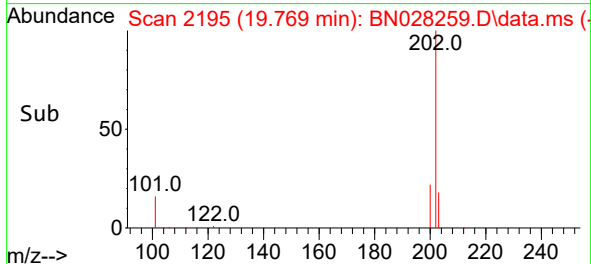
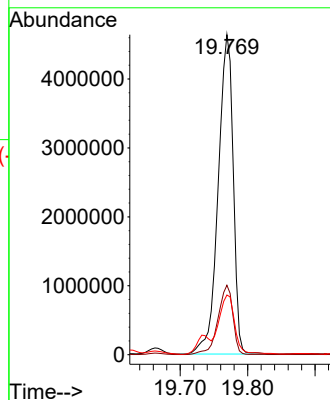
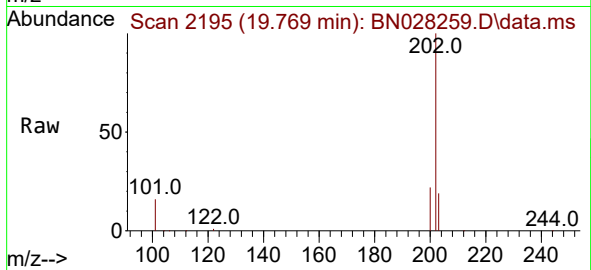
Tgt Ion:202 Resp: 7177849

Ion Ratio Lower Upper

202 100

200 21.4 16.5 24.7

203 19.1 14.7 22.1



#31

Terphenyl-d14

Concen: 0.003 ng

RT: 19.978 min Scan# 2240

Delta R.T. 0.037 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

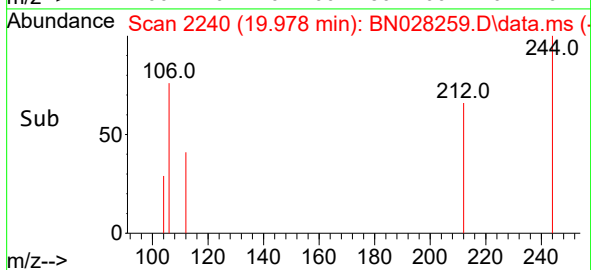
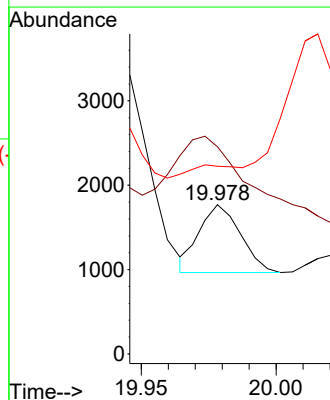
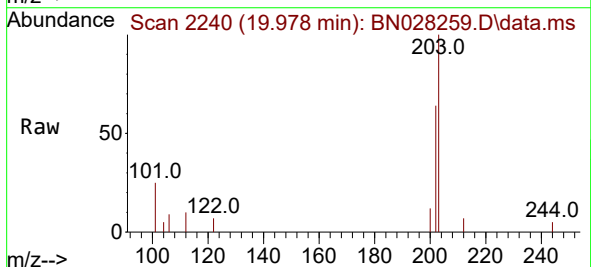
Tgt Ion:244 Resp: 852

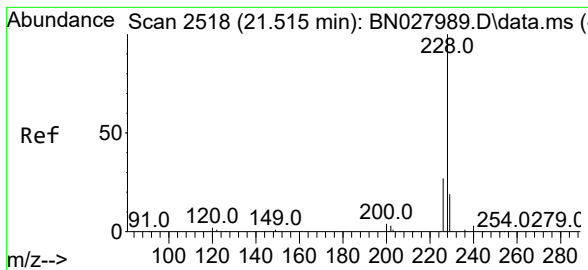
Ion Ratio Lower Upper

244 100

212 138.8 6.6 9.8#

122 125.7 11.4 17.0#

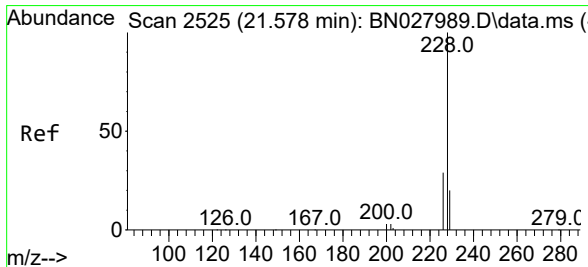
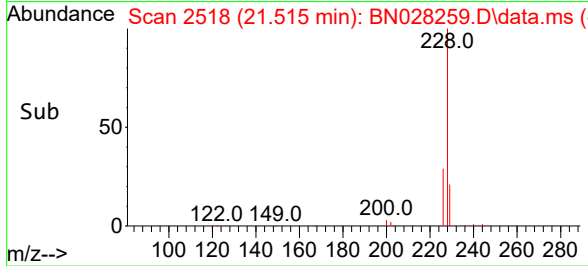
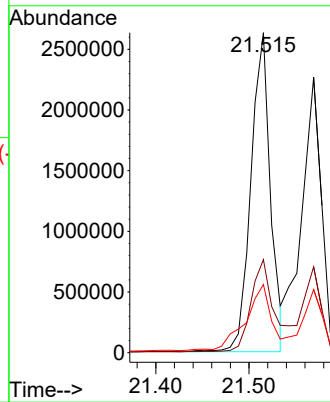
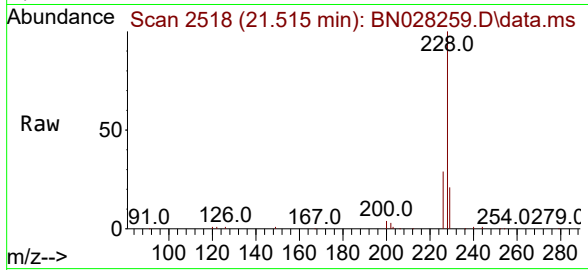




#32
Benzo(a)anthracene
Concen: 8.307 ng
RT: 21.515 min Scan# 21518
Delta R.T. 0.018 min
Lab File: BN028259.D
Acq: 12 Oct 2023 07:39

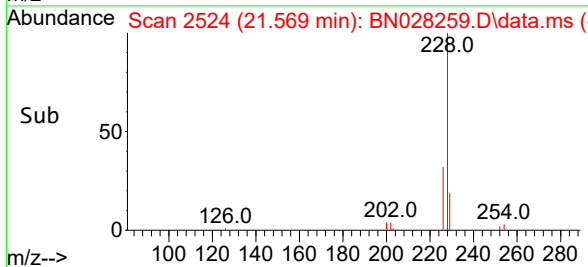
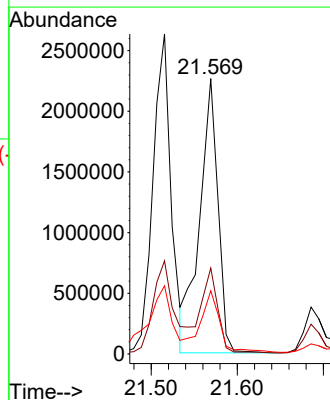
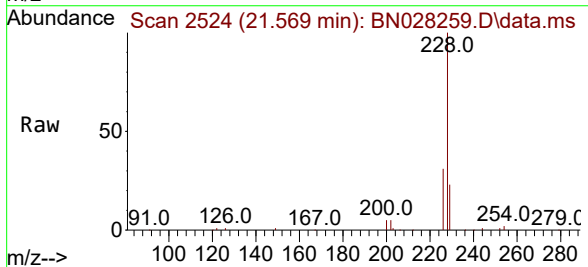
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)MS

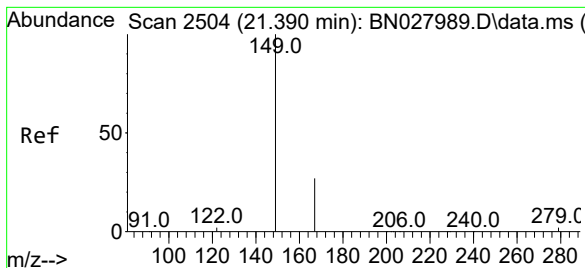
Tgt Ion:228 Resp: 3840812
Ion Ratio Lower Upper
228 100
226 29.1 22.0 33.0
229 21.3 16.0 24.0



#33
Chrysene
Concen: 7.577 ng
RT: 21.569 min Scan# 2524
Delta R.T. 0.018 min
Lab File: BN028259.D
Acq: 12 Oct 2023 07:39

Tgt Ion:228 Resp: 3376360
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 22.9 16.6 25.0

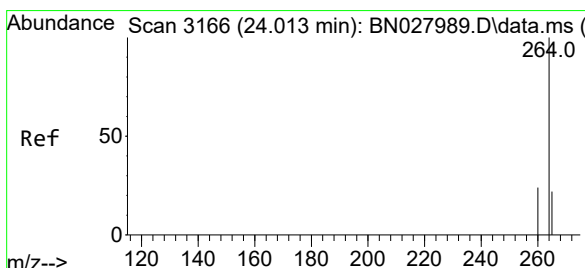
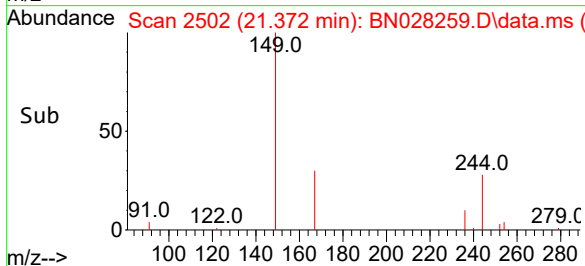
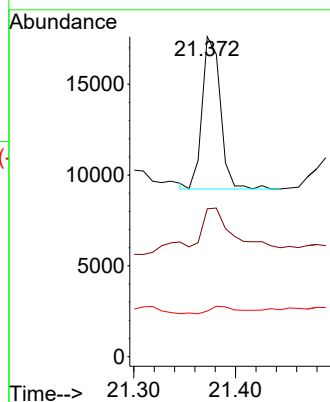
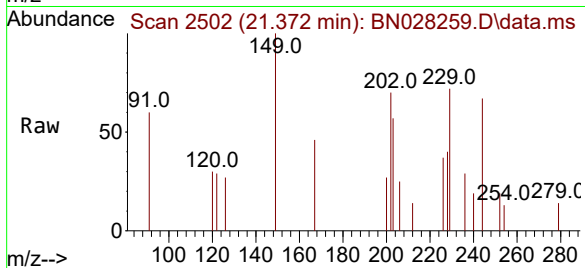




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.034 ng
 RT: 21.372 min Scan# 2137
 Delta R.T. 0.009 min
 Lab File: BN028259.D
 Acq: 12 Oct 2023 07:39

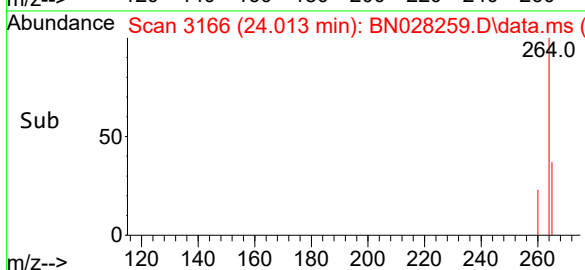
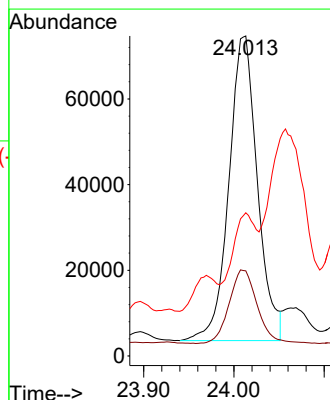
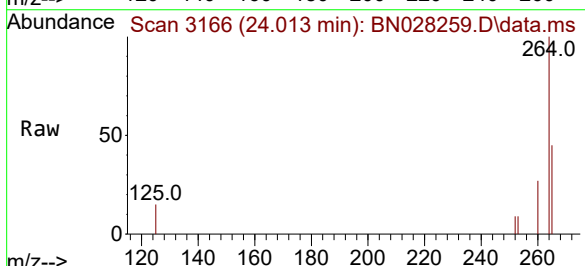
Instrument :
 BNA_N
 ClientSampleId :
 B-1(0-5)MS

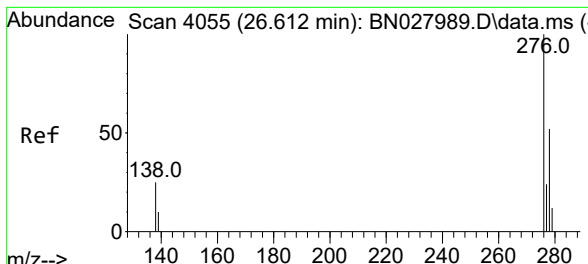
Tgt Ion:149 Resp: 10396
 Ion Ratio Lower Upper
 149 100
 167 69.1 22.1 33.1#
 279 6.7 3.4 5.0#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.013 min Scan# 3166
 Delta R.T. 0.038 min
 Lab File: BN028259.D
 Acq: 12 Oct 2023 07:39

Tgt Ion:264 Resp: 156326
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.2 30.4
 265 44.7 54.8 82.2#



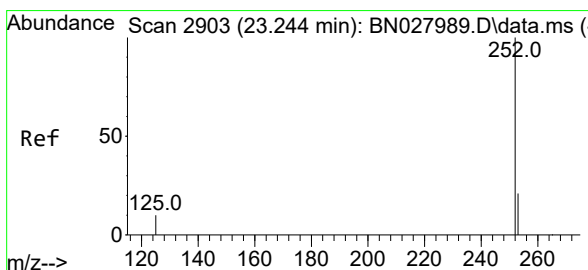
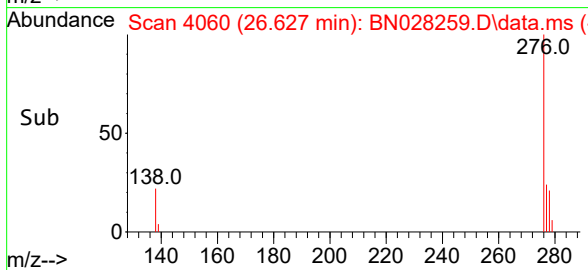
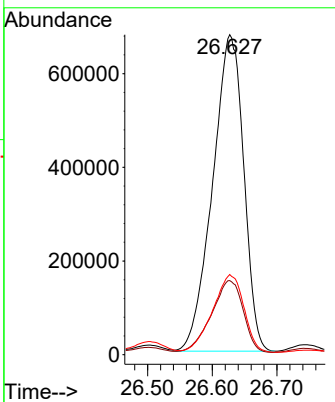
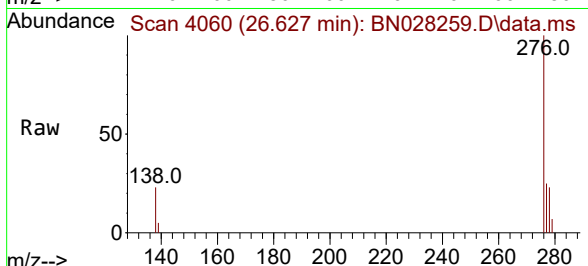


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 4.294 ng
 RT: 26.627 min Scan# 4060
 Delta R.T. 0.070 min
 Lab File: BN028259.D
 Acq: 12 Oct 2023 07:39

Instrument :
 BNA_N
 ClientSampleId :
 B-1(0-5)MS

Tgt Ion: 276 Resp: 2258132

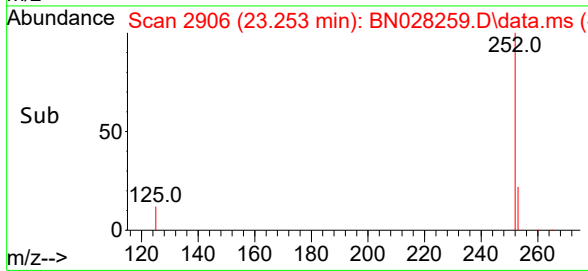
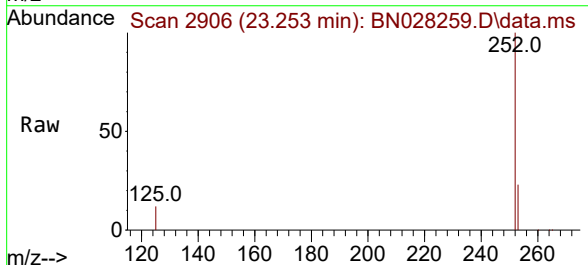
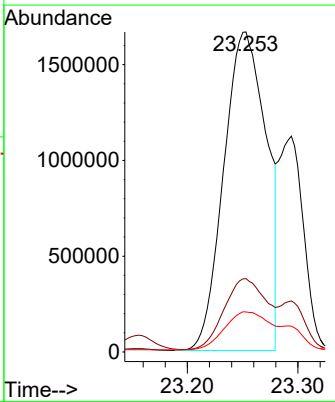
Ion	Ratio	Lower	Upper
276	100		
138	23.1	20.9	31.3
277	24.6	19.8	29.6

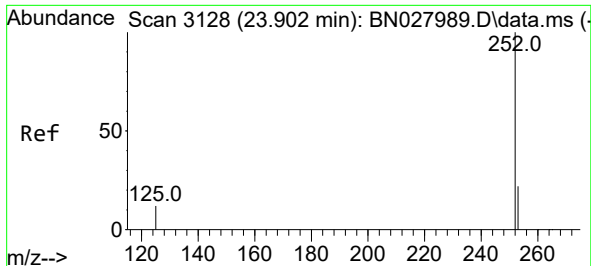


#37
 Benzo(b)fluoranthene
 Concen: 8.779 ng
 RT: 23.253 min Scan# 2906
 Delta R.T. 0.041 min
 Lab File: BN028259.D
 Acq: 12 Oct 2023 07:39

Tgt Ion: 252 Resp: 4432393

Ion	Ratio	Lower	Upper
252	100		
253	22.9	22.9	34.3
125	12.5	13.8	20.8





#39

Benzo(a)pyrene

Concen: 2.007 ng

RT: 24.066 min Scan# 31

Delta R.T. 0.202 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

Instrument :

BNA_N

ClientSampleId :

B-1(0-5)MS

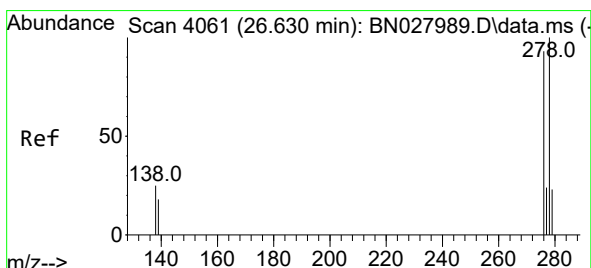
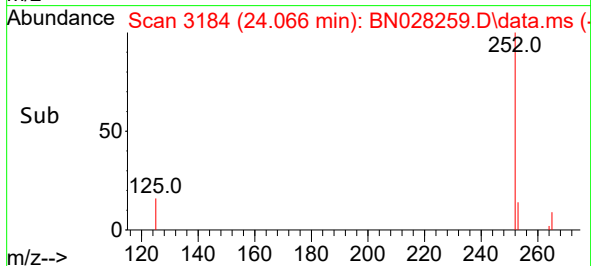
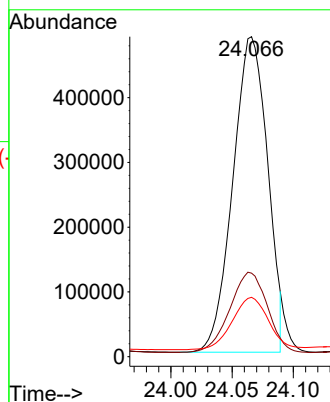
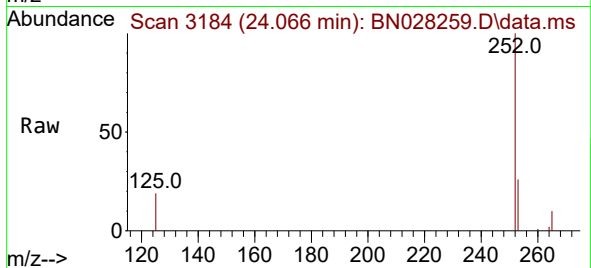
Tgt Ion:252 Resp: 957905

Ion Ratio Lower Upper

252 100

253 26.1 25.0 37.4

125 18.6 16.6 24.8



#40

Dibenzo(a,h)anthracene

Concen: 1.418 ng

RT: 26.627 min Scan# 4060

Delta R.T. 0.050 min

Lab File: BN028259.D

Acq: 12 Oct 2023 07:39

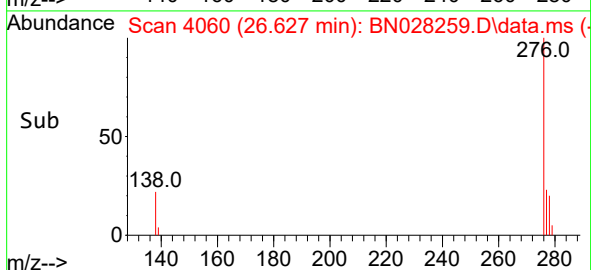
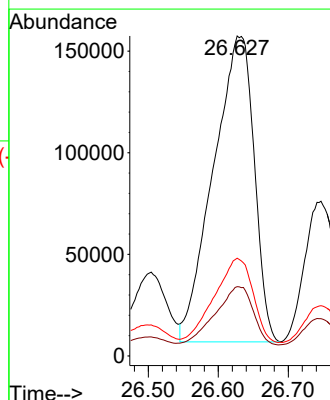
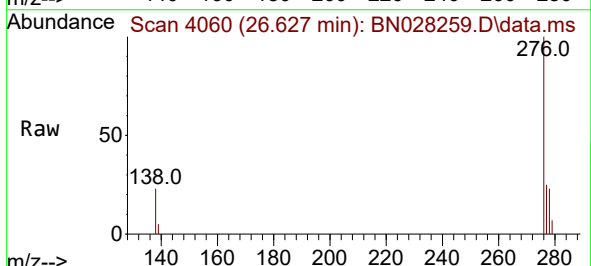
Tgt Ion:278 Resp: 609947

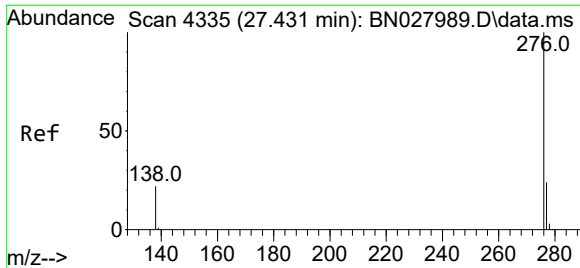
Ion Ratio Lower Upper

278 100

139 21.6 17.7 26.5

279 30.5 25.2 37.8





#41
 Benzo(g,h,i)perylene
 Concen: 4.756 ng
 RT: 27.451 min Scan# 41
 Delta R.T. 0.085 min
 Lab File: BN028259.D
 Acq: 12 Oct 2023 07:39

Instrument :
 BNA_N
 ClientSampleId :
 B-1(0-5)MS

Tgt Ion:276 Resp: 2099781

Ion	Ratio	Lower	Upper
276	100		
277	25.4	22.1	33.1
138	24.3	20.8	31.2

