

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028256.D
 Acq On : 12 Oct 2023 05:51
 Operator : MA/JU
 Sample : 04805-04 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 H-1(0-5)

Quant Time: Oct 12 06:18:43 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 04:03:12 2023
 Response via : Initial Calibration

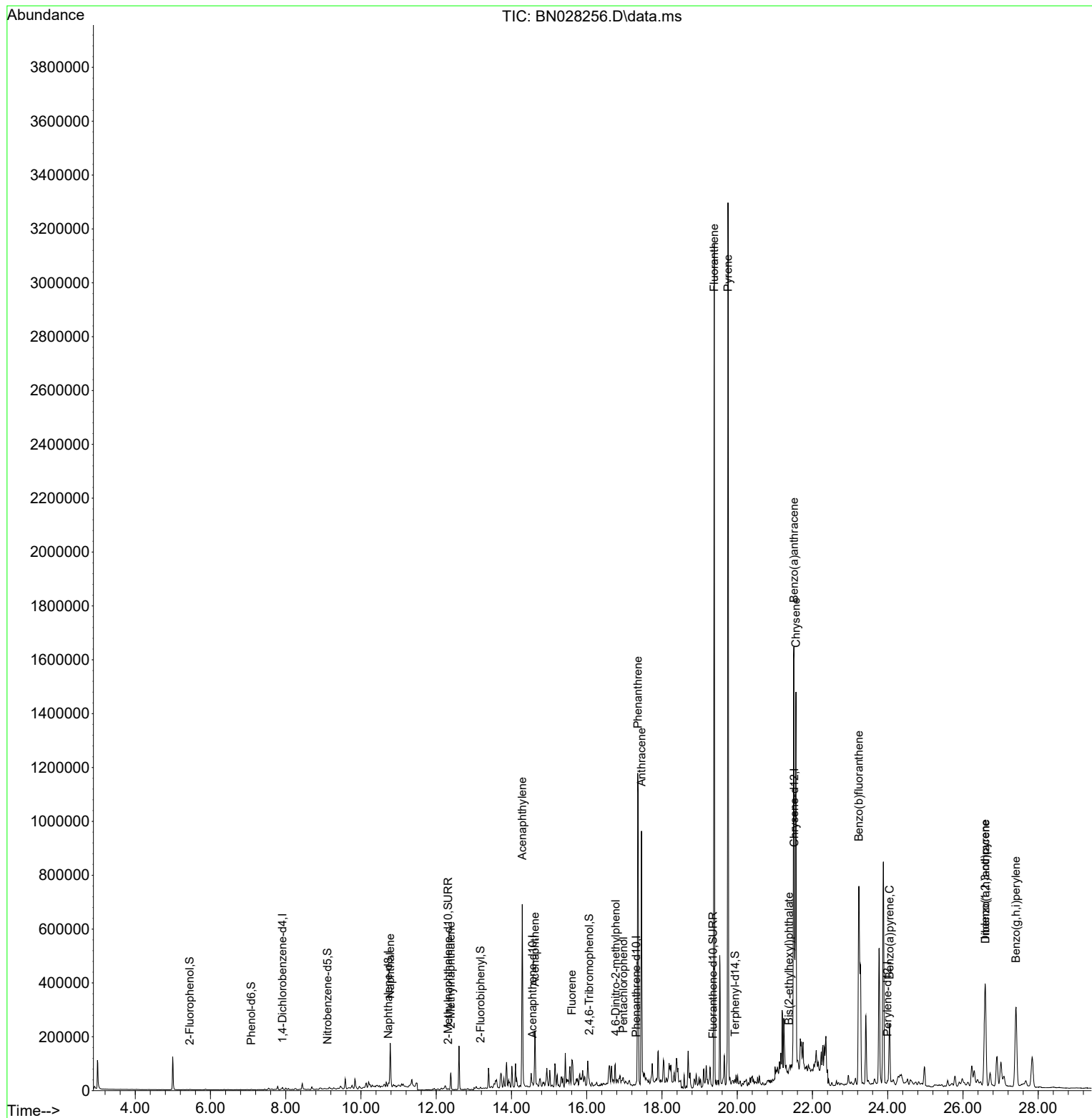
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	4138	0.400	ng	0.00
7) Naphthalene-d8	10.724	136	14032	0.400	ng	#-0.01
13) Acenaphthene-d10	14.555	164	9640	0.400	ng	-0.01
19) Phenanthrene-d10	17.319	188	17739	0.400	ng	0.00
29) Chrysene-d12	21.515	240	18644	0.400	ng	# 0.00
35) Perylene-d12	23.993	264	19866	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	1537	0.125	ng	-0.01
5) Phenol-d6	7.084	99	1802	0.116	ng	0.00
8) Nitrobenzene-d5	9.112	82	2409	0.202	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	3477	0.167	ng	-0.01
14) 2,4,6-Tribromophenol	16.065	330	501	0.113	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	3319	0.096	ng	-0.01
27) Fluoranthene-d10	19.356	212	4985	0.112	ng	0.00
31) Terphenyl-d14	19.941	244	5569	0.128	ng	0.00
Target Compounds						
9) Naphthalene	10.778	128	160424	4.425	ng	99
12) 2-Methylnaphthalene	12.385	142	43951	1.733	ng	96
16) Acenaphthylene	14.288	152	755161	17.683	ng	99
17) Acenaphthene	14.619	154	110629	4.064	ng	97
18) Fluorene	15.606	166	91478	2.587	ng	# 81
20) 4,6-Dinitro-2-methylph...	16.772	198	637	2.702	ng	# 21
24) Pentachlorophenol	16.971	266	92	0.020	ng	# 50
25) Phenanthrene	17.356	178	1359557	28.428	ng	99
26) Anthracene	17.455	178	949220	20.999	ng	# 94
28) Fluoranthene	19.388	202	2711697	49.132	ng	99
30) Pyrene	19.755	202	2932400	42.893	ng	98
32) Benzo(a)anthracene	21.506	228	1506451	23.745	ng	94
33) Chrysene	21.560	228	1301582	21.289	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	4758	0.114	ng	# 35
36) Indeno(1,2,3-cd)pyrene	26.589	276	692608	10.365	ng	97
37) Benzo(b)fluoranthene	23.232	252	1390921	21.679	ng	# 89
39) Benzo(a)pyrene	24.048	252	282766	4.661	ng	93
40) Dibenzo(a,h)anthracene	26.598	278	203722	3.727	ng	99
41) Benzo(g,h,i)perylene	27.410	276	691260	12.320	ng	95

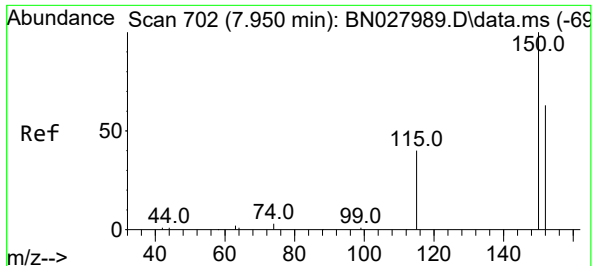
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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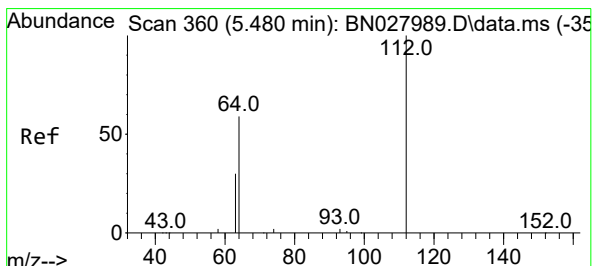
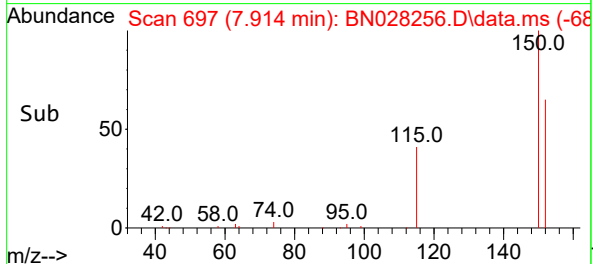
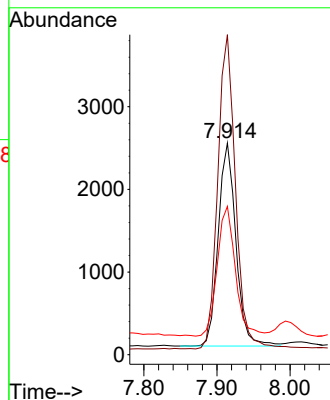
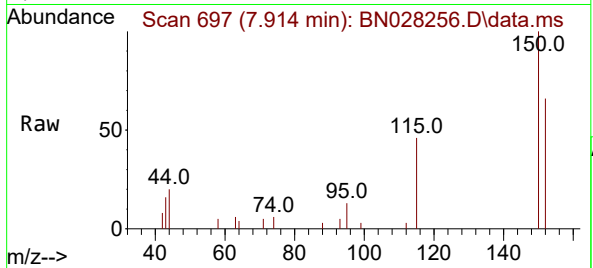




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.914 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

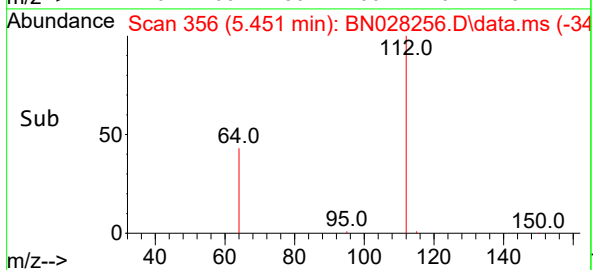
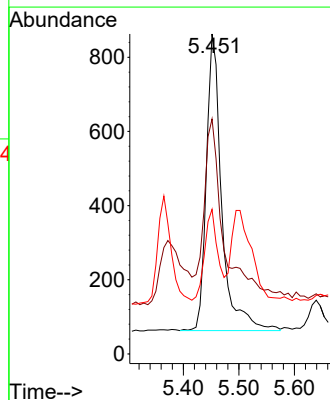
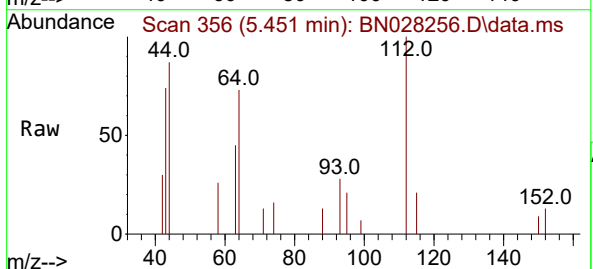
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)

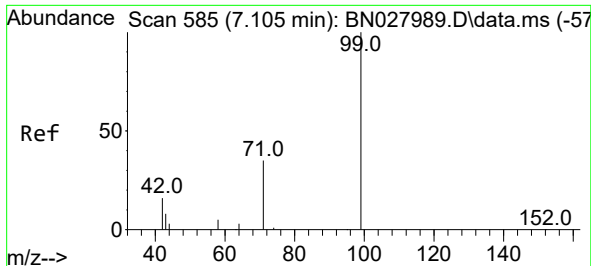
Tgt Ion:152 Resp: 4138
Ion Ratio Lower Upper
152 100
150 151.1 125.6 188.4
115 70.0 54.8 82.2



#4
2-Fluorophenol
Concen: 0.125 ng
RT: 5.451 min Scan# 356
Delta R.T. -0.015 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Tgt Ion:112 Resp: 1537
Ion Ratio Lower Upper
112 100
64 71.0 45.0 67.6#
63 26.3 23.4 35.0

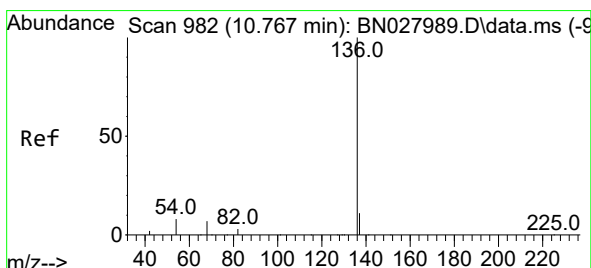
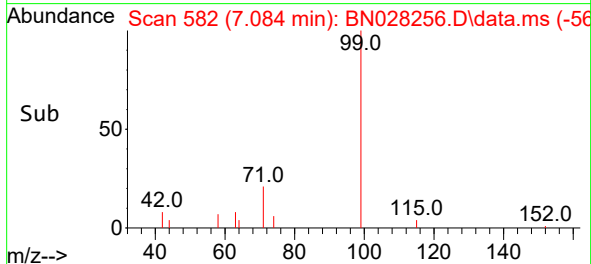
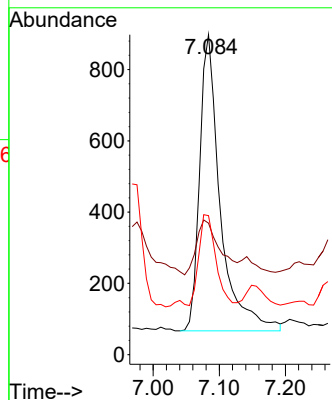
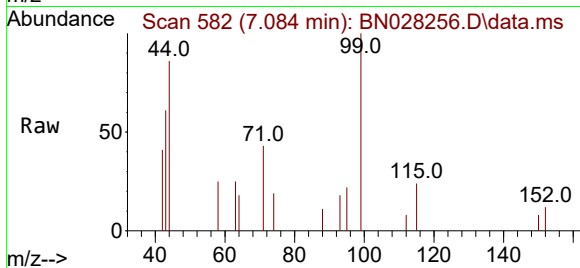




#5
Phenol-d6
Concen: 0.116 ng
RT: 7.084 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

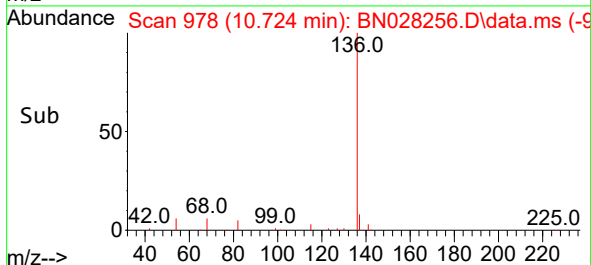
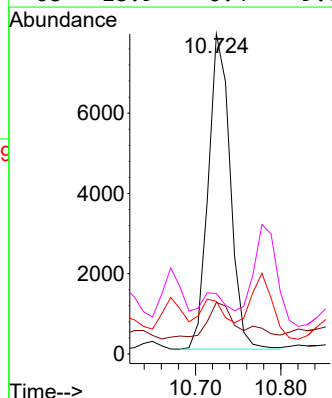
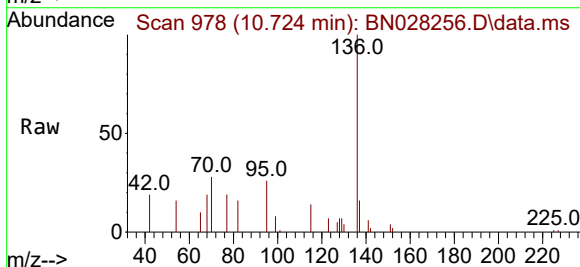
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)

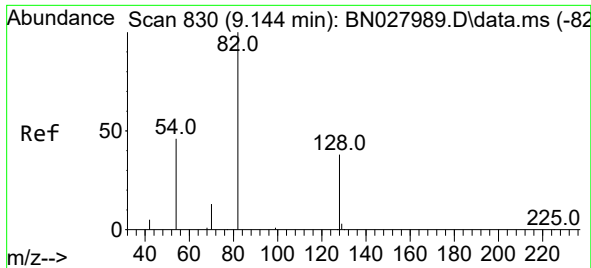
Tgt Ion: 99 Resp: 1802
Ion Ratio Lower Upper
99 100
42 20.8 14.6 22.0
71 25.5 28.3 42.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.724 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Tgt Ion: 136 Resp: 14032
Ion Ratio Lower Upper
136 100
137 16.1 9.4 14.0#
54 16.5 7.0 10.6#
68 18.9 6.4 9.6#

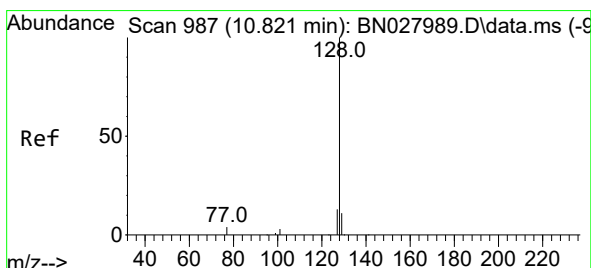
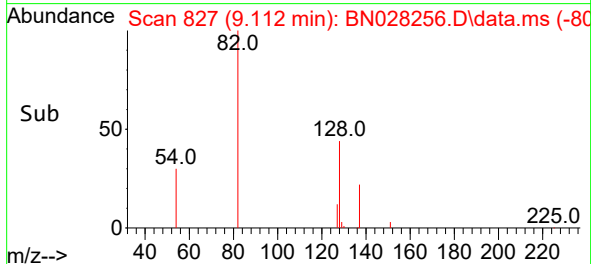
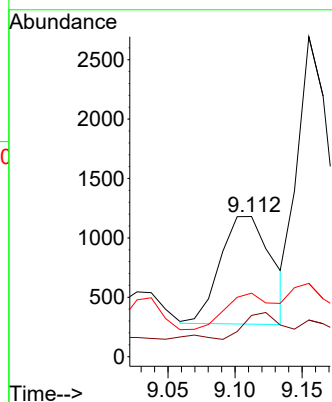
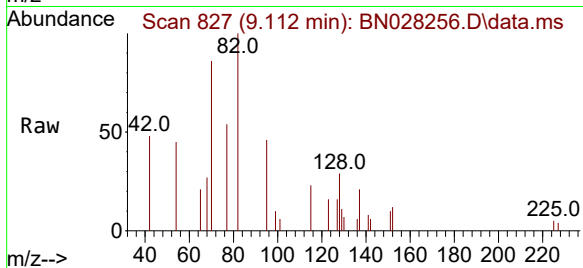




#8
 Nitrobenzene-d5
 Concen: 0.202 ng
 RT: 9.112 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BN028256.D
 Acq: 12 Oct 2023 05:51

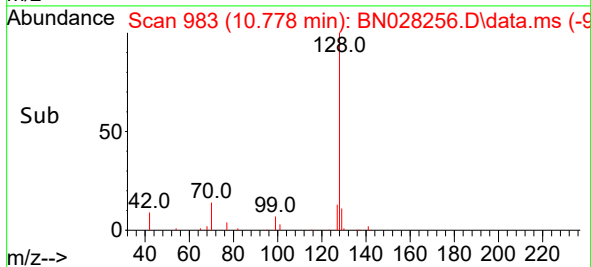
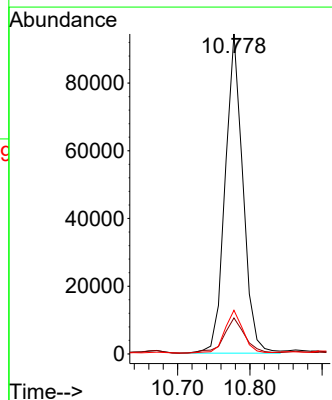
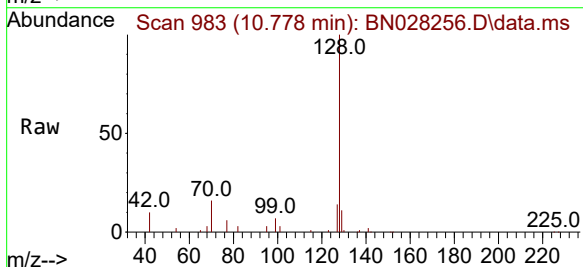
Instrument :
 BNA_N
 ClientSampleId :
 H-1(0-5)

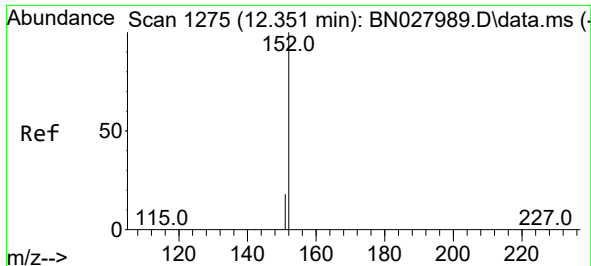
Tgt Ion: 82 Resp: 2409
 Ion Ratio Lower Upper
 82 100
 128 29.5 32.7 49.1#
 54 45.3 38.7 58.1



#9
 Naphthalene
 Concen: 4.425 ng
 RT: 10.778 min Scan# 983
 Delta R.T. -0.011 min
 Lab File: BN028256.D
 Acq: 12 Oct 2023 05:51

Tgt Ion: 128 Resp: 160424
 Ion Ratio Lower Upper
 128 100
 129 11.2 9.4 14.2
 127 13.7 10.9 16.3





#11

2-Methylnaphthalene-d10

Concen: 0.167 ng

RT: 12.313 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

Instrument :

BNA_N

ClientSampleId :

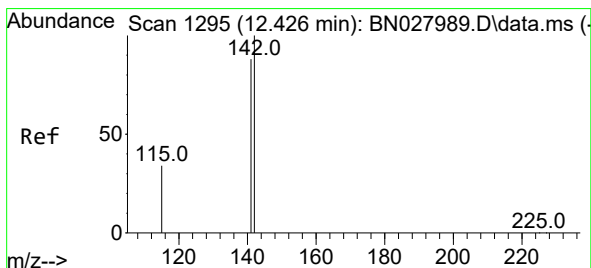
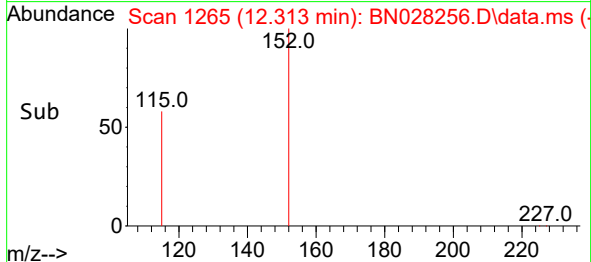
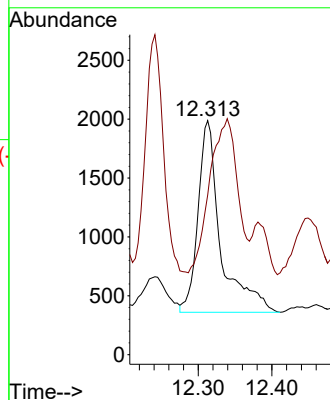
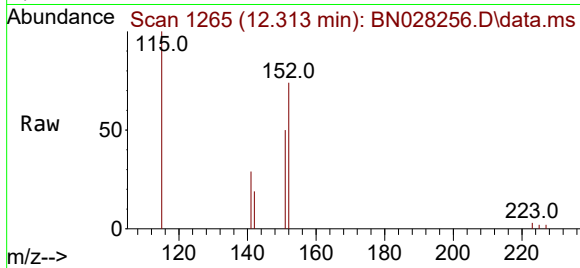
H-1(0-5)

Tgt Ion:152 Resp: 3477

Ion Ratio Lower Upper

152 100

151 0.0 16.5 24.7#



#12

2-Methylnaphthalene

Concen: 1.733 ng

RT: 12.385 min Scan# 1284

Delta R.T. -0.015 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

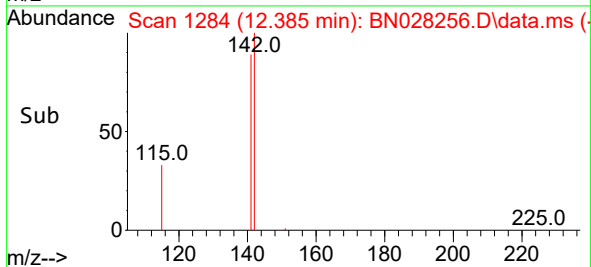
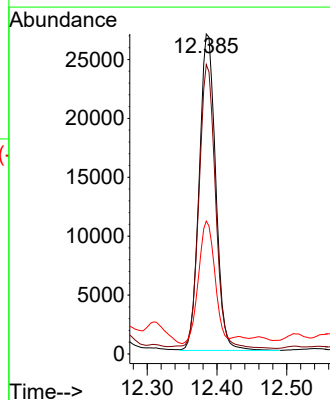
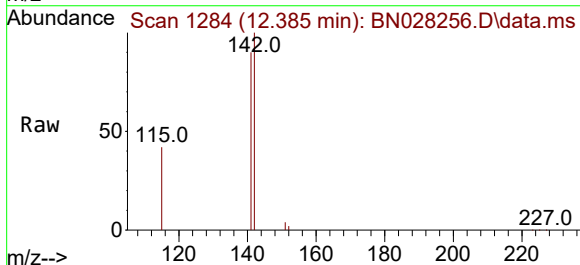
Tgt Ion:142 Resp: 43951

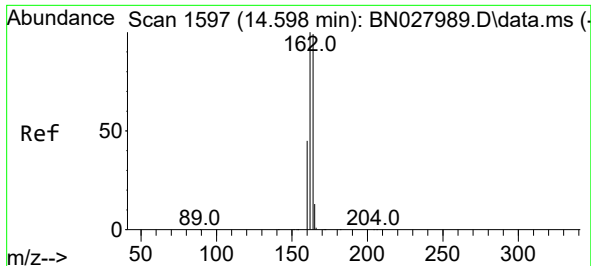
Ion Ratio Lower Upper

142 100

141 90.4 70.7 106.1

115 41.6 28.6 42.8

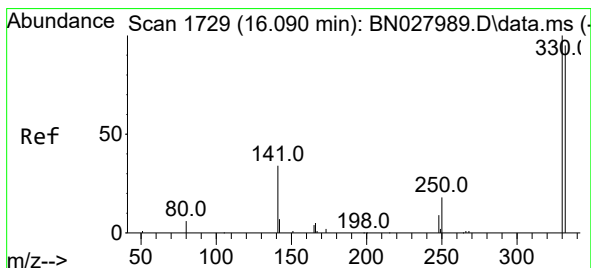
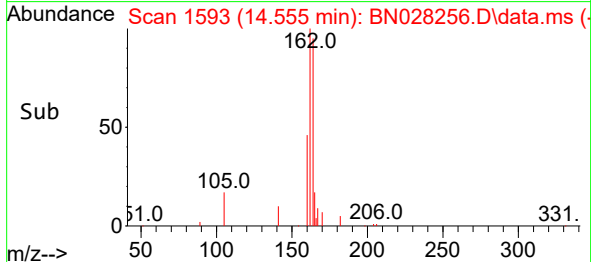
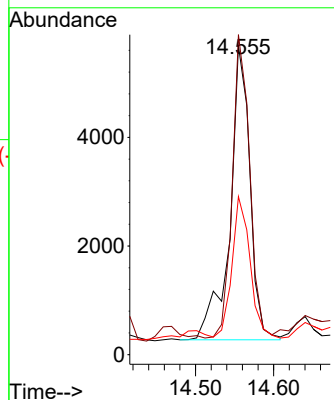
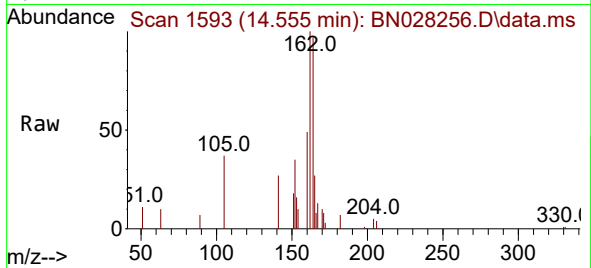




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1593
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

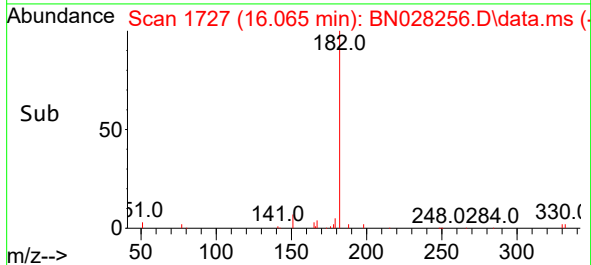
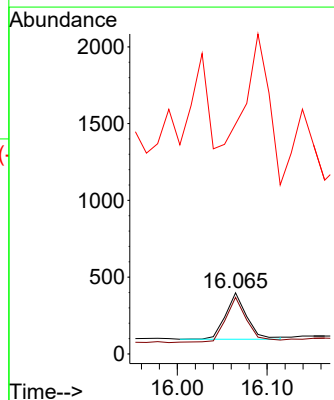
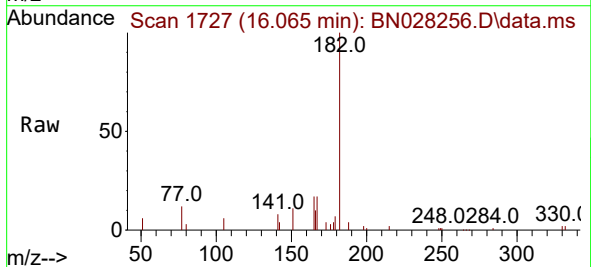
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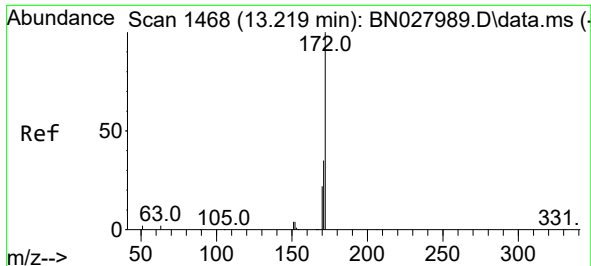
Tgt Ion:164 Resp: 9640
Ion Ratio Lower Upper
164 100
162 103.6 80.8 121.2
160 51.2 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.113 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Tgt Ion:330 Resp: 501
Ion Ratio Lower Upper
330 100
332 100.4 78.1 117.1
141 0.0 33.4 50.2#

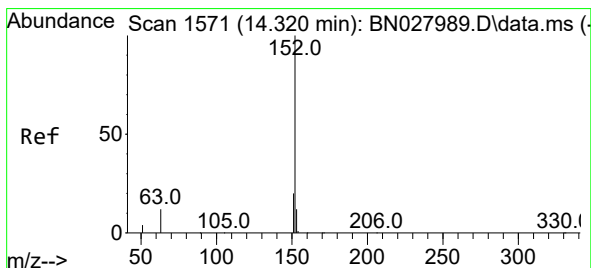
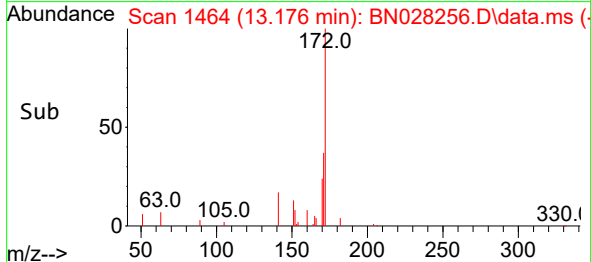
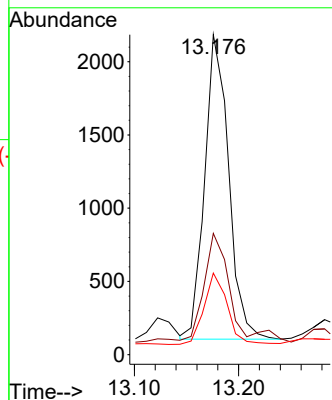
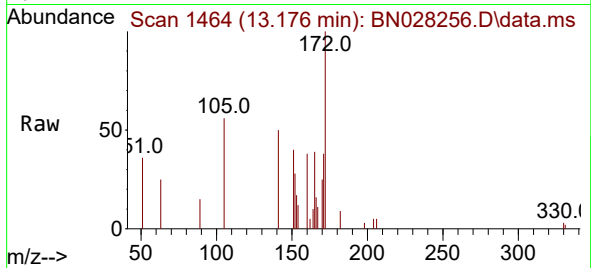




#15
2-Fluorobiphenyl
Concen: 0.096 ng
RT: 13.176 min Scan# 1468
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

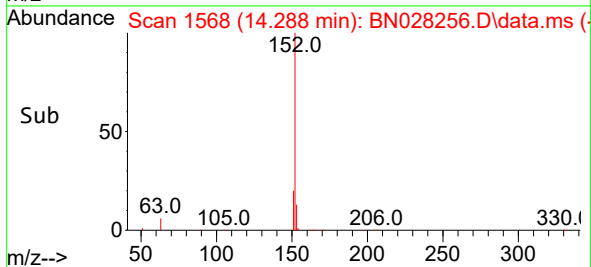
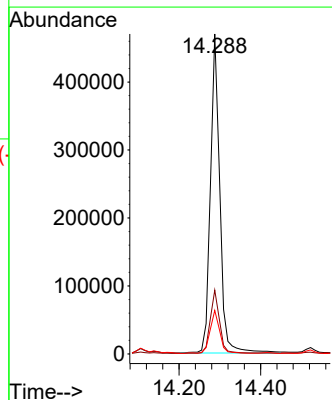
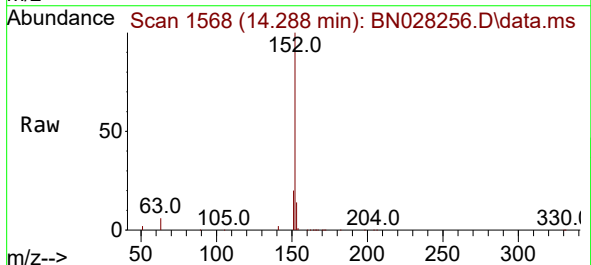
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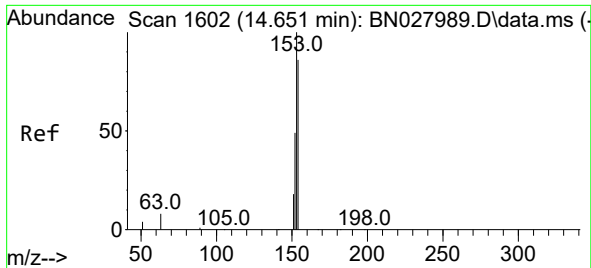
Tgt Ion:	172	Resp:	3319
Ion Ratio	Lower	Upper	
172	100		
171	37.9	28.1	42.1
170	25.5	18.4	27.6



#16
Acenaphthylene
Concen: 17.683 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Tgt Ion:	152	Resp:	755161
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.8	23.6
153	13.9	10.2	15.4

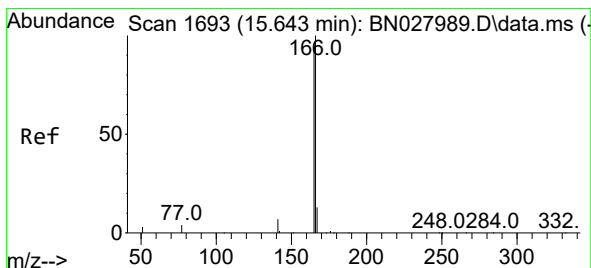
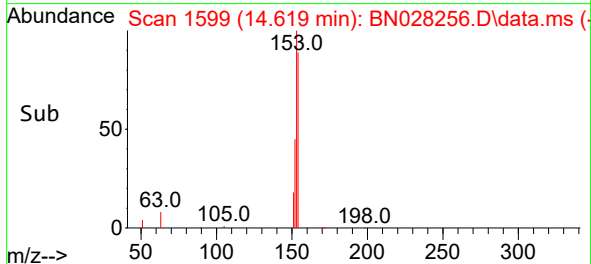
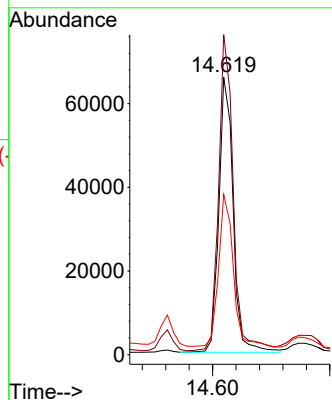
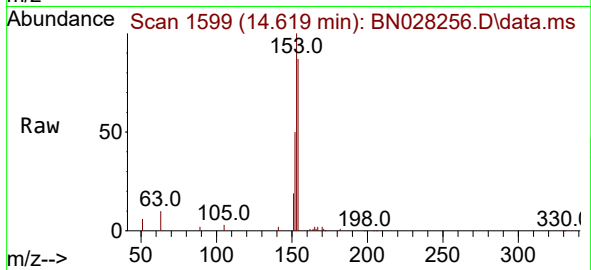




#17
Acenaphthene
Concen: 4.064 ng
RT: 14.619 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

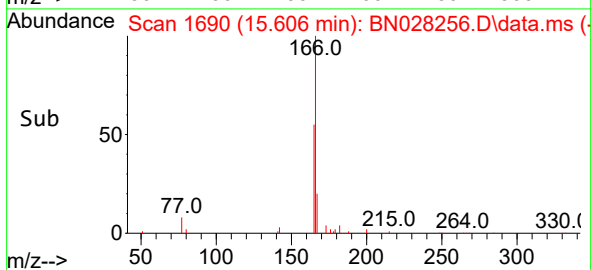
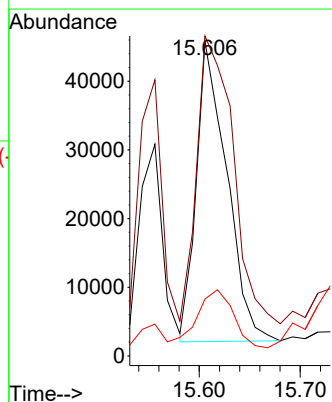
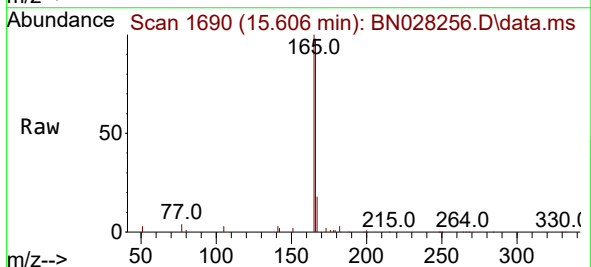
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)

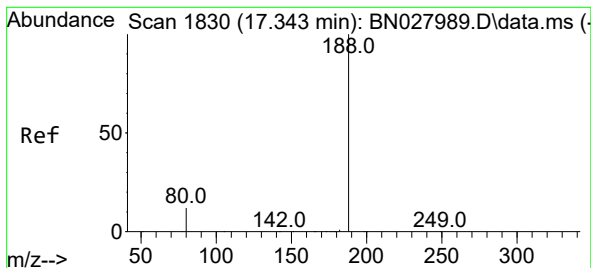
Tgt Ion:154 Resp: 110629
Ion Ratio Lower Upper
154 100
153 116.4 90.8 136.2
152 57.5 43.9 65.9



#18
Fluorene
Concen: 2.587 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.013 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Tgt Ion:166 Resp: 91478
Ion Ratio Lower Upper
166 100
165 115.6 77.8 116.8
167 23.1 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: BN028256.D

Acq: 12 Oct 2023 05:51

Instrument :

BNA_N

ClientSampleId :

H-1(0-5)

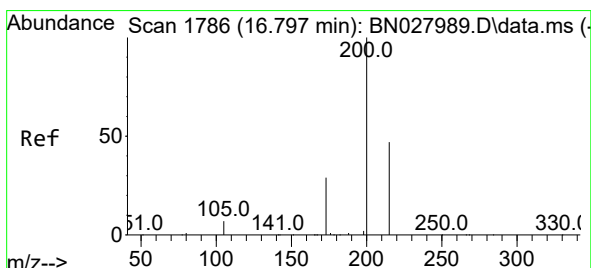
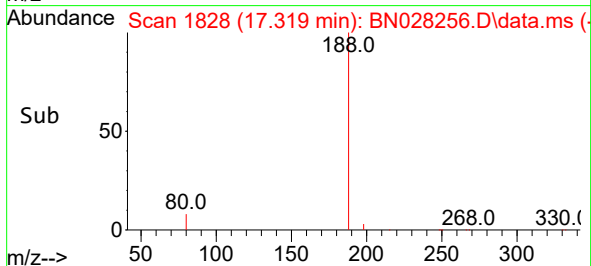
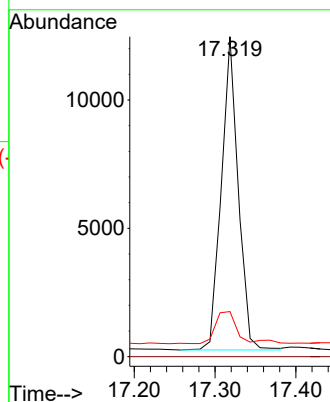
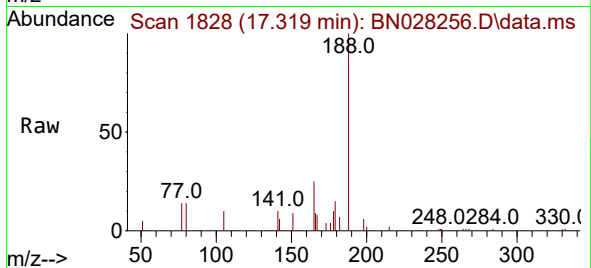
Tgt Ion:188 Resp: 17739

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.1 10.2 15.4



#20

4,6-Dinitro-2-methylphenol

Concen: 2.702 ng

RT: 16.772 min Scan# 1784

Delta R.T. -0.013 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

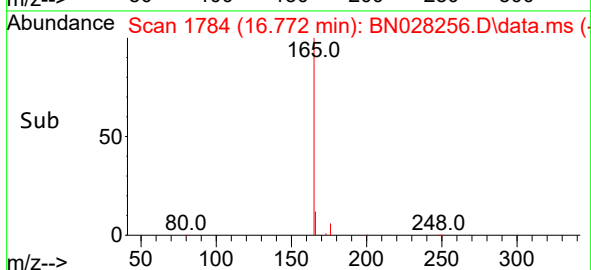
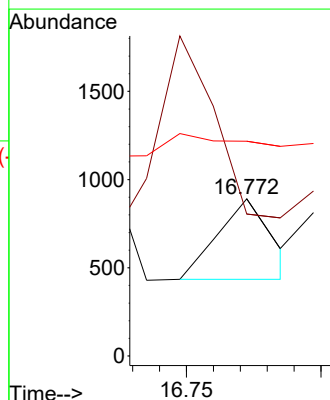
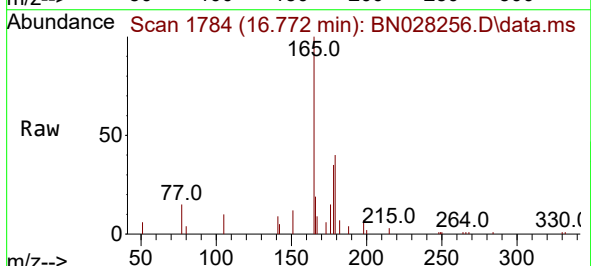
Tgt Ion:198 Resp: 637

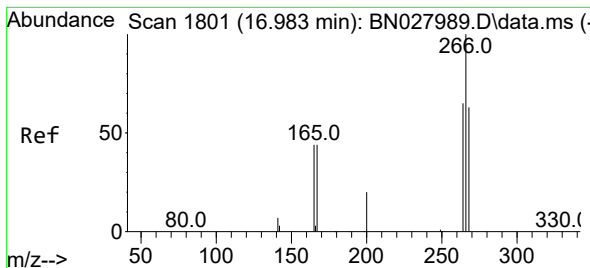
Ion Ratio Lower Upper

198 100

51 90.3 180.7 271.1#

105 136.6 222.2 333.2#





#24

Pentachlorophenol

Concen: 0.020 ng

RT: 16.971 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

Instrument :

BNA_N

ClientSampleId :

H-1(0-5)

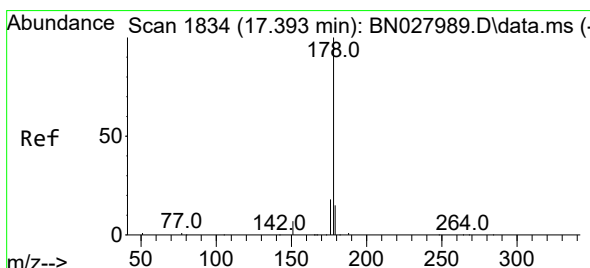
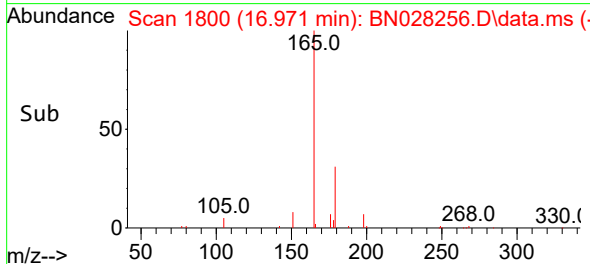
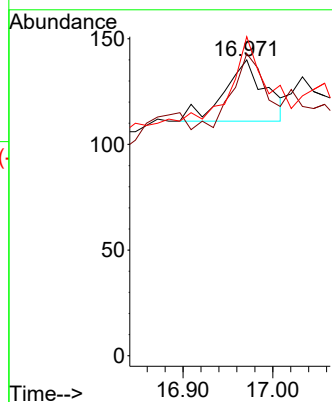
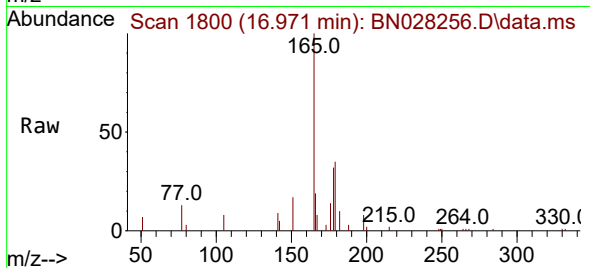
Tgt Ion:266 Resp: 92

Ion Ratio Lower Upper

266 100

264 103.3 52.7 79.1#

268 113.0 56.2 84.2#



#25

Phenanthrene

Concen: 28.428 ng

RT: 17.356 min Scan# 1831

Delta R.T. -0.013 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

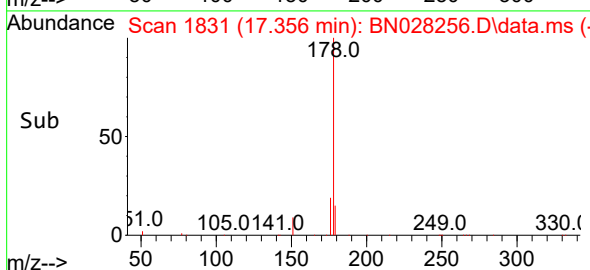
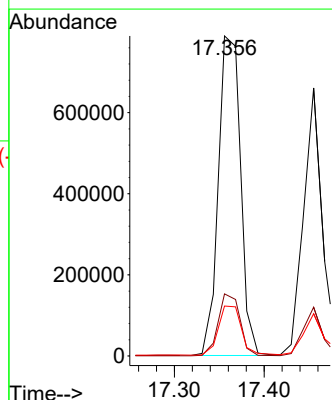
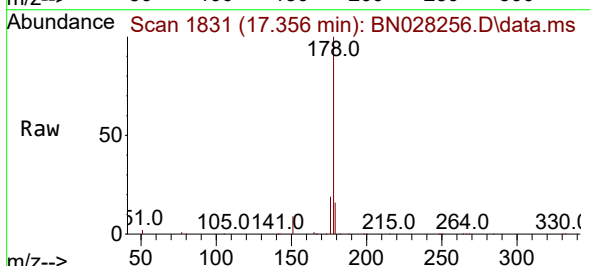
Tgt Ion:178 Resp: 1359557

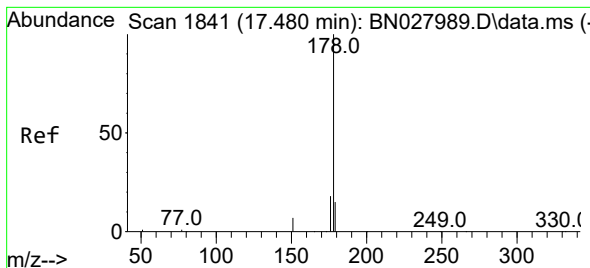
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 16.0 12.4 18.6





#26

Anthracene

Concen: 20.999 ng

RT: 17.455 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

Instrument :

BNA_N

ClientSampleId :

H-1(0-5)

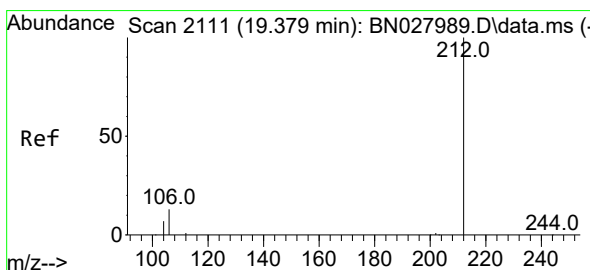
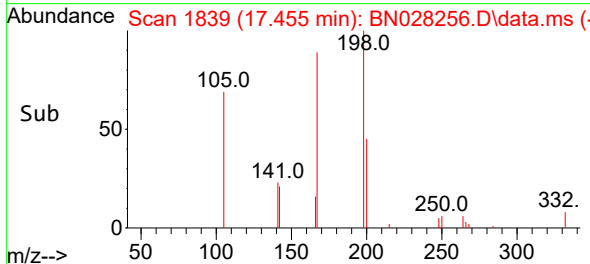
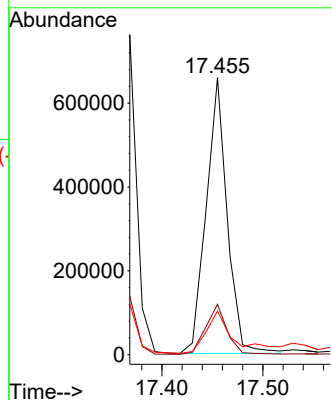
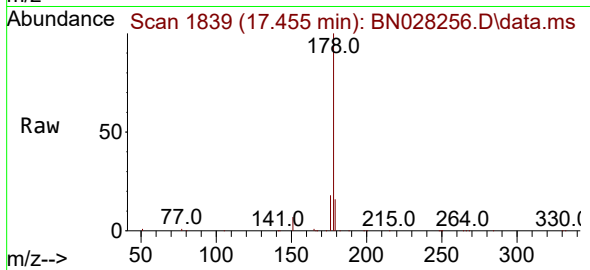
Tgt Ion:178 Resp: 949220

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 20.6 12.2 18.2#



#27

Fluoranthene-d10

Concen: 0.112 ng

RT: 19.356 min Scan# 2106

Delta R.T. -0.000 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

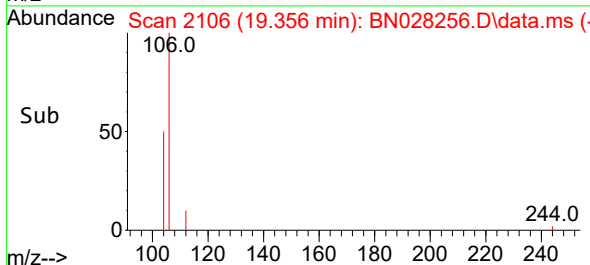
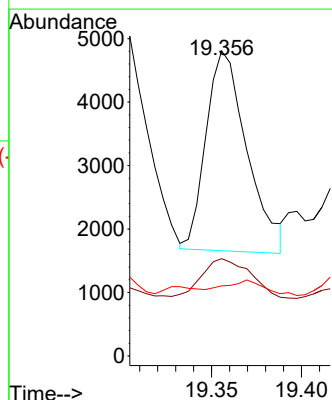
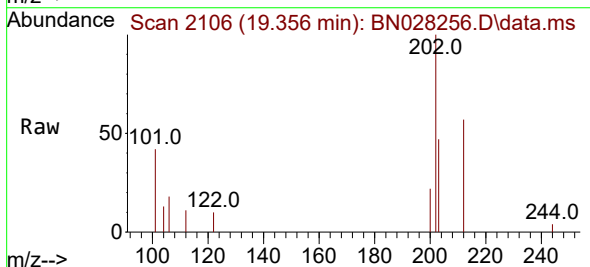
Tgt Ion:212 Resp: 4985

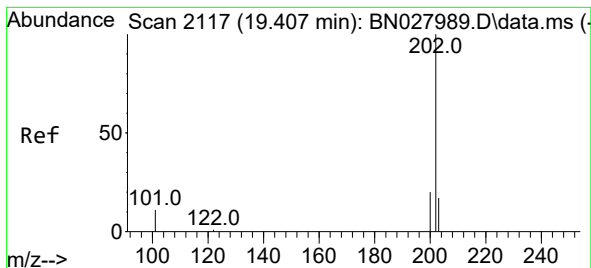
Ion Ratio Lower Upper

212 100

106 23.5 11.3 16.9#

104 8.0 6.4 9.6





#28

Fluoranthene

Concen: 49.132 ng

RT: 19.388 min Scan# 2113

Delta R.T. 0.004 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

Instrument :

BNA_N

ClientSampleId :

H-1(0-5)

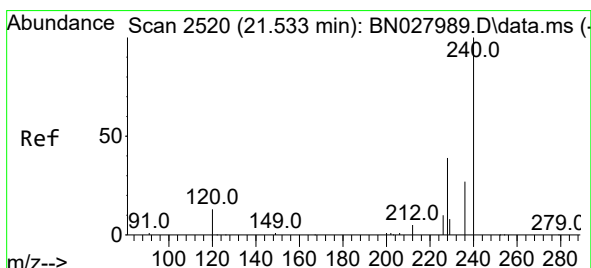
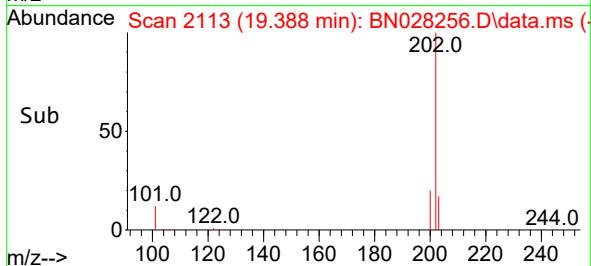
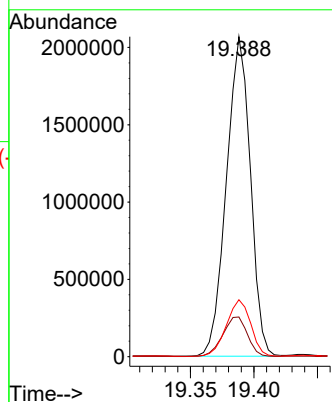
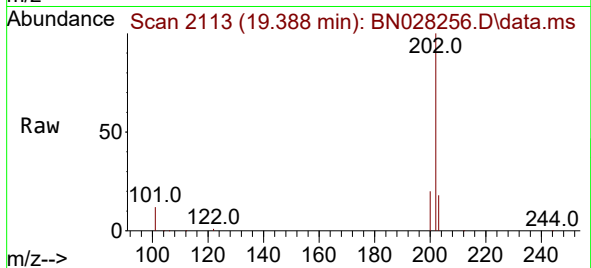
Tgt Ion:202 Resp: 2711697

Ion Ratio Lower Upper

202 100

101 12.7 9.8 14.6

203 17.9 13.8 20.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.515 min Scan# 2518

Delta R.T. -0.000 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

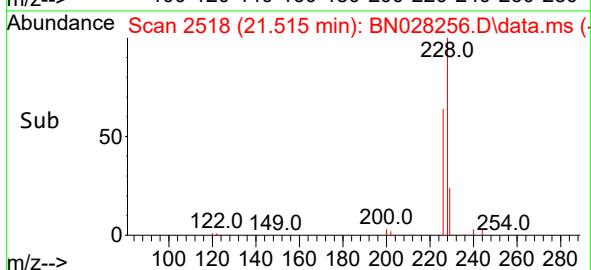
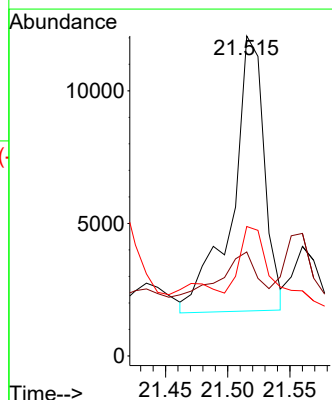
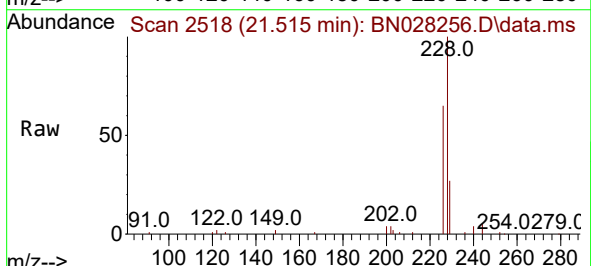
Tgt Ion:240 Resp: 18644

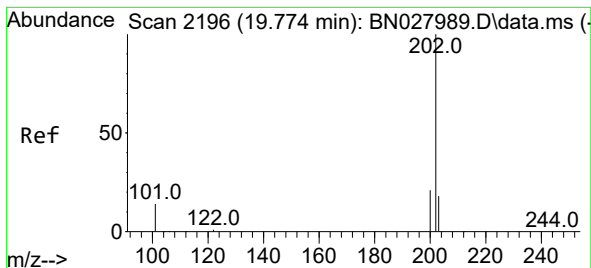
Ion Ratio Lower Upper

240 100

120 32.5 13.8 20.6#

236 40.4 22.6 33.8#





#30

Pyrene

Concen: 42.893 ng

RT: 19.755 min Scan# 2196

Delta R.T. 0.004 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

Instrument :

BNA_N

ClientSampleId :

H-1(0-5)

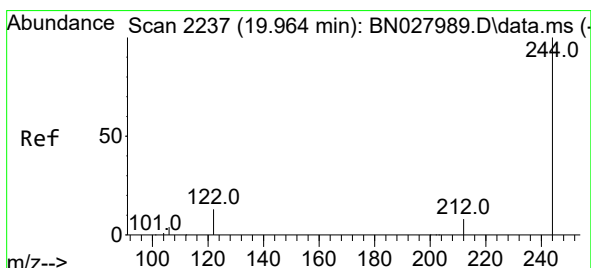
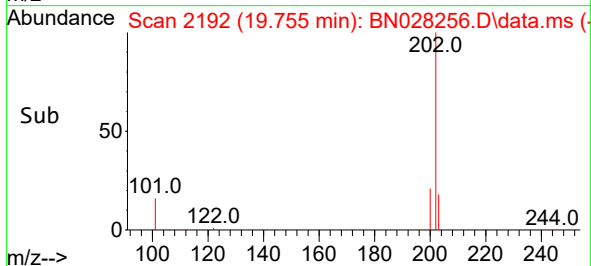
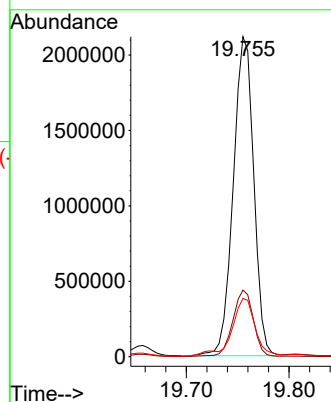
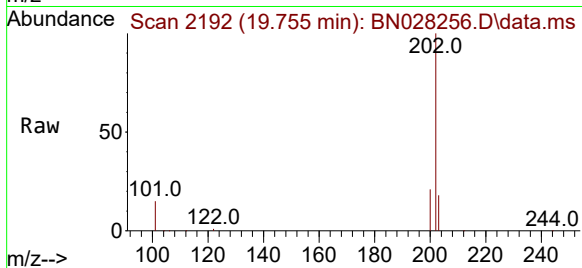
Tgt Ion:202 Resp: 2932400

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 20.3 14.7 22.1



#31

Terphenyl-d14

Concen: 0.128 ng

RT: 19.941 min Scan# 2232

Delta R.T. -0.000 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

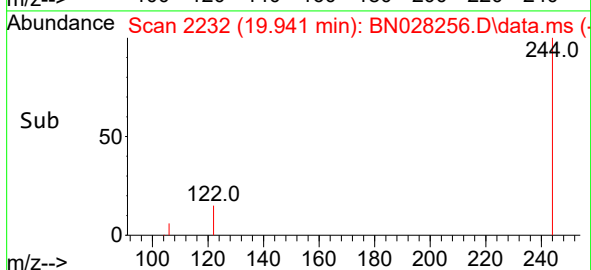
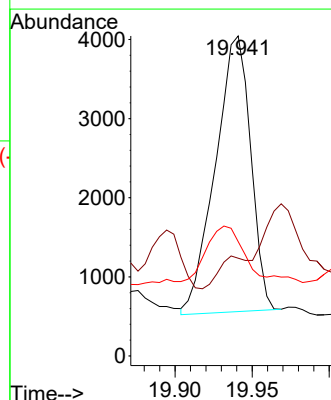
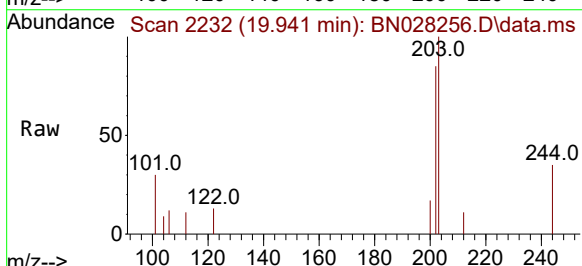
Tgt Ion:244 Resp: 5569

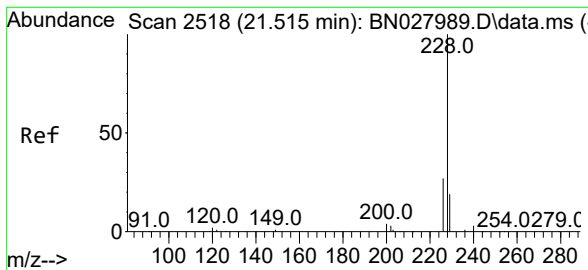
Ion Ratio Lower Upper

244 100

212 30.6 6.6 9.8#

122 35.7 11.4 17.0#

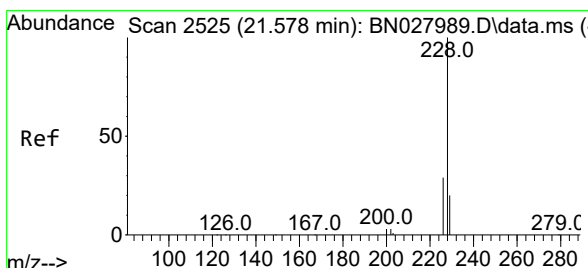
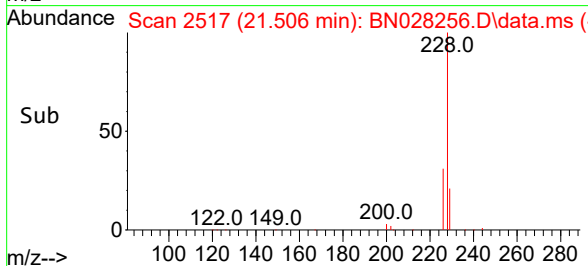
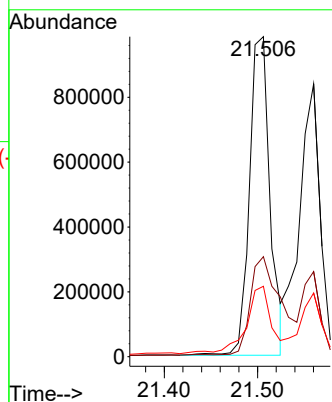
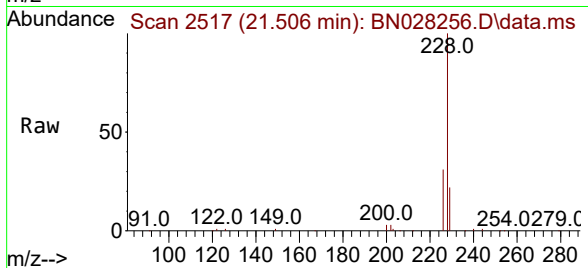




#32
Benzo(a)anthracene
Concen: 23.745 ng
RT: 21.506 min Scan# 21506
Delta R.T. 0.009 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

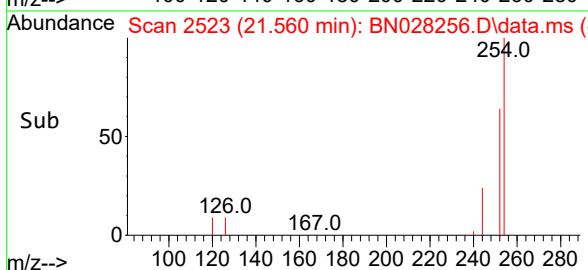
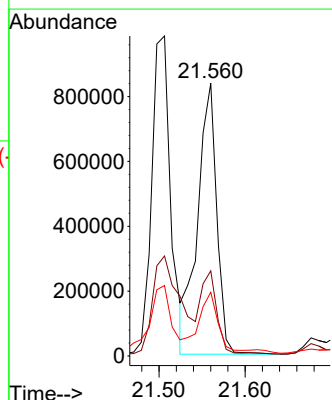
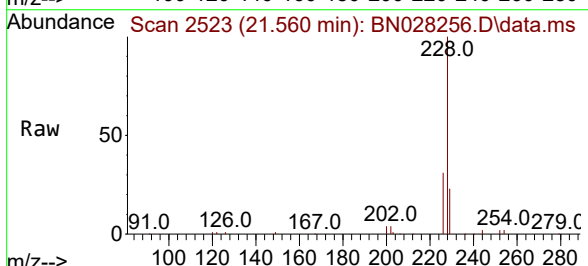
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)

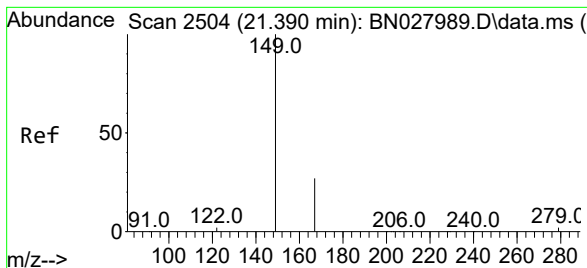
Tgt Ion:228 Resp: 1506451
Ion Ratio Lower Upper
228 100
226 31.3 22.0 33.0
229 22.0 16.0 24.0



#33
Chrysene
Concen: 21.289 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Tgt Ion:228 Resp: 1301582
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 23.4 16.6 25.0

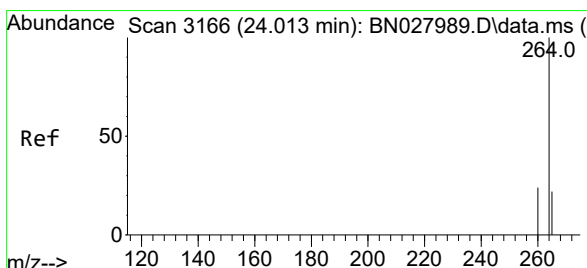
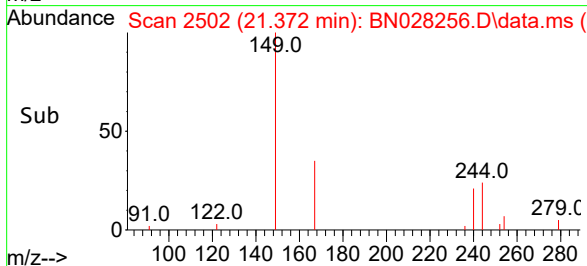
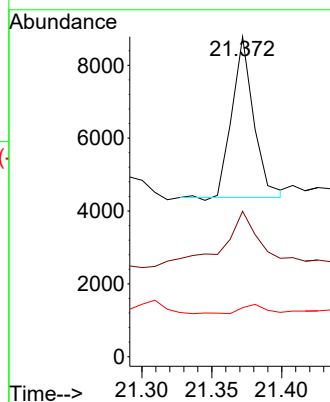
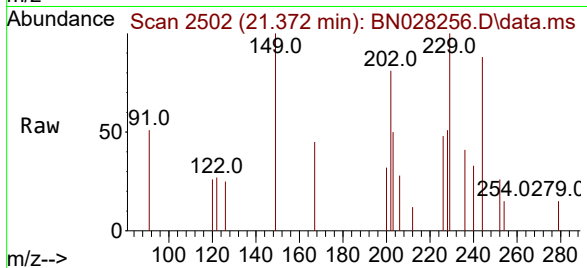




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.114 ng
 RT: 21.372 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: BN028256.D
 Acq: 12 Oct 2023 05:51

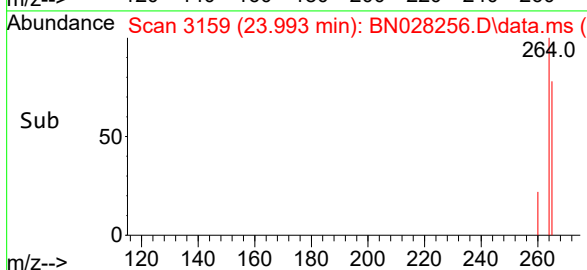
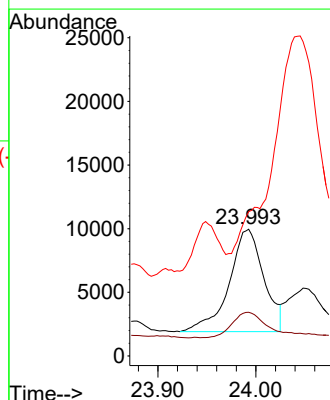
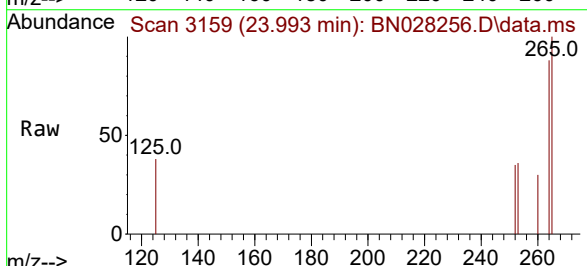
Instrument :
 BNA_N
 ClientSampleId :
 H-1(0-5)

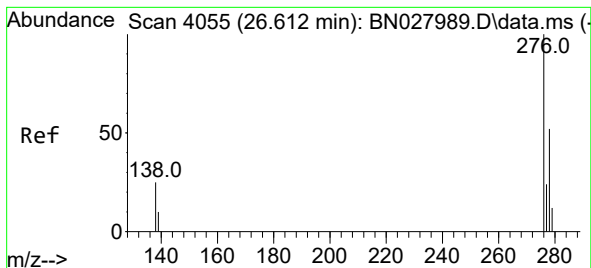
Tgt Ion:149 Resp: 4758
 Ion Ratio Lower Upper
 149 100
 167 66.5 22.1 33.1#
 279 5.3 3.4 5.0#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.993 min Scan# 3159
 Delta R.T. 0.017 min
 Lab File: BN028256.D
 Acq: 12 Oct 2023 05:51

Tgt Ion:264 Resp: 19866
 Ion Ratio Lower Upper
 264 100
 260 34.5 20.2 30.4#
 265 113.8 54.8 82.2#





#36

Indeno(1,2,3-cd)pyrene

Concen: 10.365 ng

RT: 26.589 min Scan# 4055

Delta R.T. 0.032 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

Instrument :

BNA_N

ClientSampleId :

H-1(0-5)

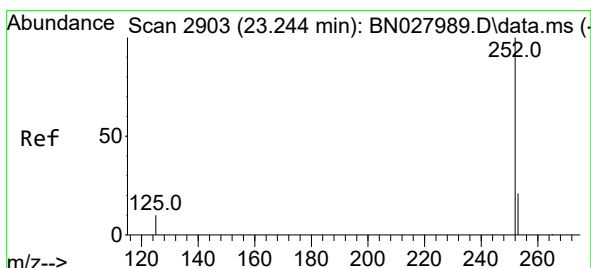
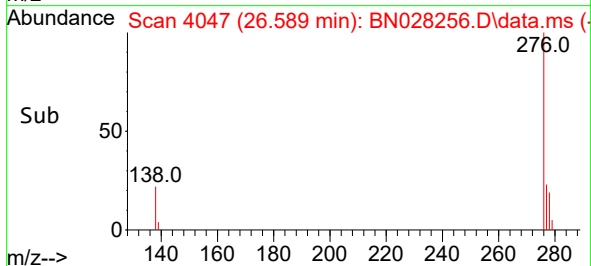
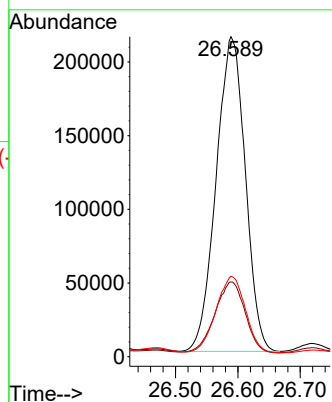
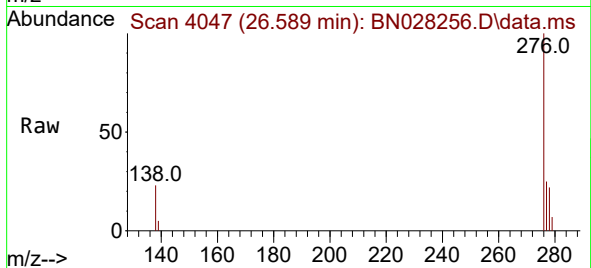
Tgt Ion:276 Resp: 692608

Ion Ratio Lower Upper

276 100

138 23.4 20.9 31.3

277 24.7 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 21.679 ng

RT: 23.232 min Scan# 2899

Delta R.T. 0.020 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

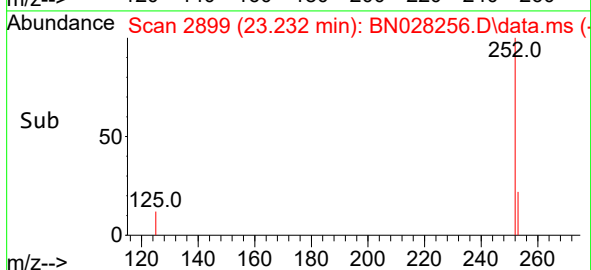
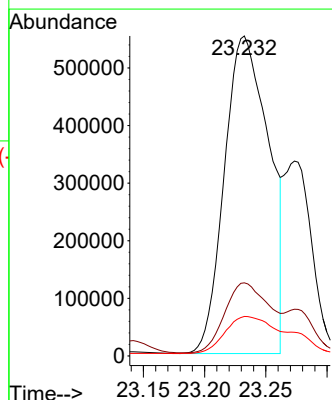
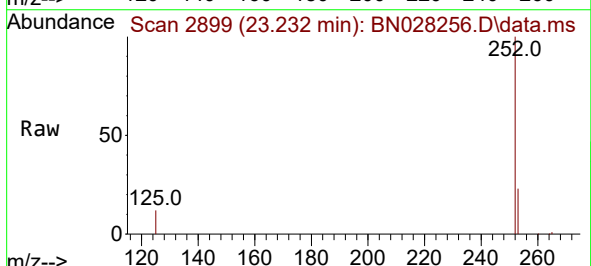
Tgt Ion:252 Resp: 1390921

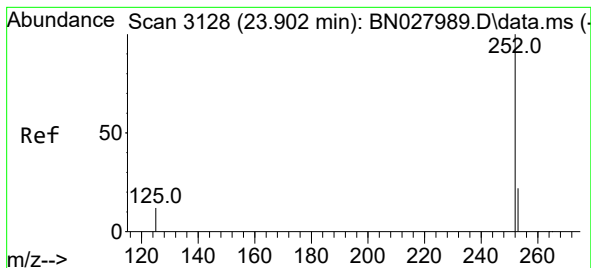
Ion Ratio Lower Upper

252 100

253 22.9 22.9 34.3#

125 12.4 13.8 20.8#





#39

Benzo(a)pyrene

Concen: 4.661 ng

RT: 24.048 min Scan# 31

Delta R.T. 0.184 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

Instrument :

BN028256.D

ClientSampleId :

H-1(0-5)

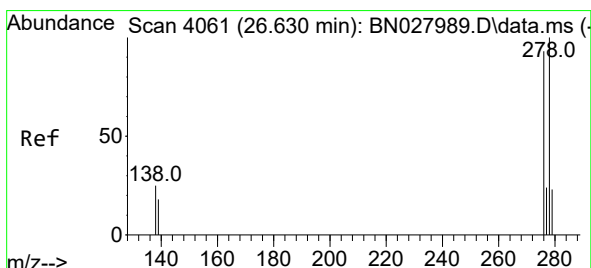
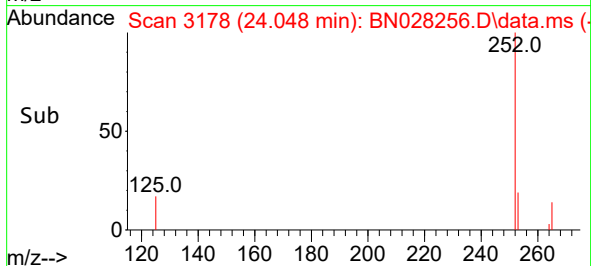
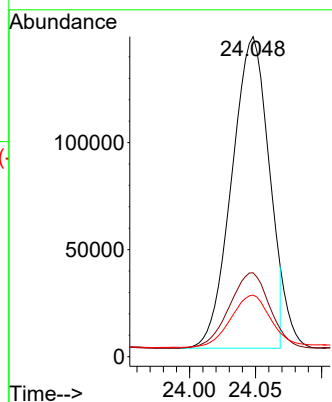
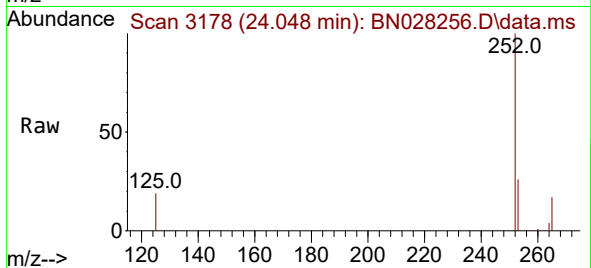
Tgt Ion:252 Resp: 282766

Ion Ratio Lower Upper

252 100

253 26.2 25.0 37.4

125 19.3 16.6 24.8



#40

Dibenzo(a,h)anthracene

Concen: 3.727 ng

RT: 26.598 min Scan# 4050

Delta R.T. 0.020 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

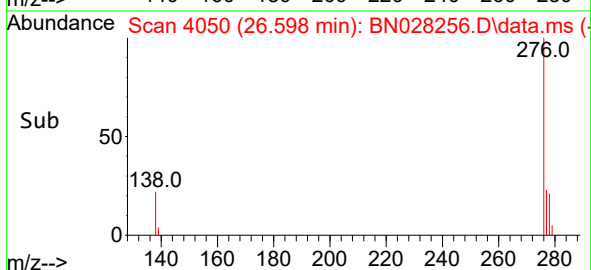
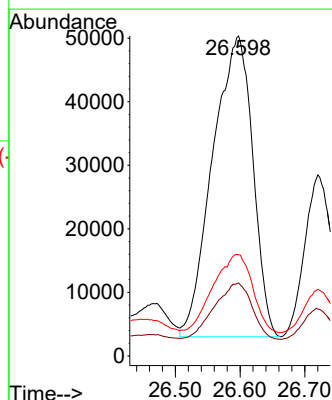
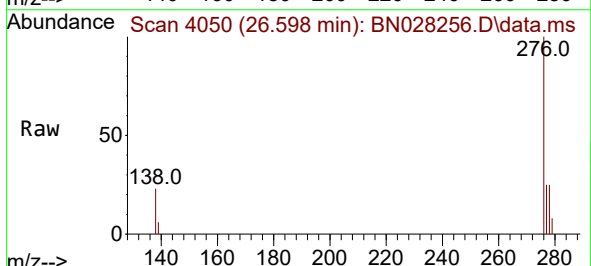
Tgt Ion:278 Resp: 203722

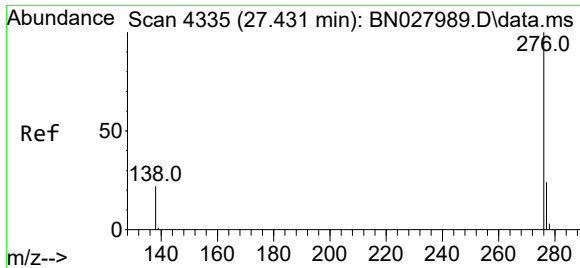
Ion Ratio Lower Upper

278 100

139 22.8 17.7 26.5

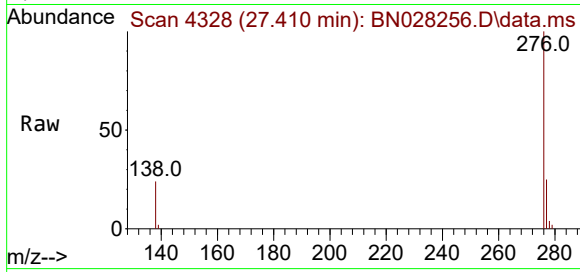
279 31.7 25.2 37.8





#41
 Benzo(g,h,i)perylene
 Concen: 12.320 ng
 RT: 27.410 min Scan# 41
 Delta R.T. 0.044 min
 Lab File: BN028256.D
 Acq: 12 Oct 2023 05:51

Instrument :
 BNA_N
 ClientSampleId :
 H-1(0-5)



Tgt Ion:276 Resp: 691260
 Ion Ratio Lower Upper
 276 100
 277 24.9 22.1 33.1
 138 23.7 20.8 31.2

