

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028255.D
 Acq On : 12 Oct 2023 05:15
 Operator : MA/JU
 Sample : 04805-06 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Oct 12 06:00:59 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)

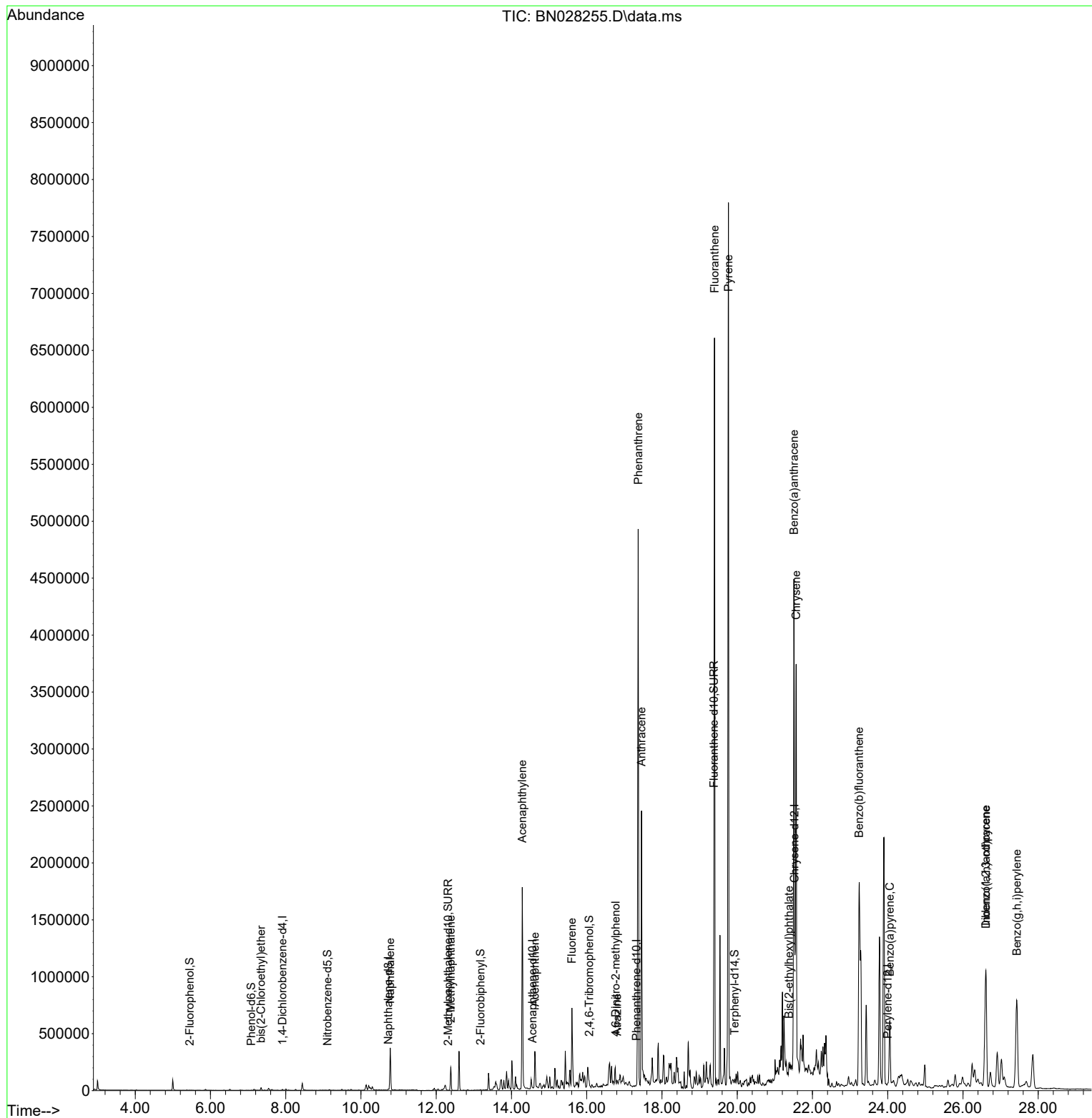
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	3736	0.400	ng	0.00
7) Naphthalene-d8	10.725	136	12816	0.400	ng	-0.01
13) Acenaphthene-d10	14.555	164	10343	0.400	ng	-0.01
19) Phenanthrene-d10	17.319	188	16713	0.400	ng	# 0.00
29) Chrysene-d12	21.524	240	31773	0.400	ng	# 0.00
35) Perylene-d12	23.999	264	28190	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.452	112	1151	0.103	ng	-0.01
5) Phenol-d6	7.084	99	1386	0.099	ng	0.00
8) Nitrobenzene-d5	9.112	82	1156	0.106	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	1819	0.096	ng	-0.01
14) 2,4,6-Tribromophenol	16.065	330	392	0.083	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	2474	0.066	ng	-0.01
27) Fluoranthene-d10	19.379	212	6303	0.150	ng	0.02
31) Terphenyl-d14	19.932	244	7135	0.096	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.344	93	1726	0.152	ng	# 1
9) Naphthalene	10.778	128	473608	14.302	ng	98
12) 2-Methylnaphthalene	12.385	142	143389	6.190	ng	98
16) Acenaphthylene	14.288	152	1988407	43.397	ng	99
17) Acenaphthene	14.619	154	171279	5.864	ng	96
18) Fluorene	15.606	166	525210	13.845	ng	# 92
20) 4,6-Dinitro-2-methylph...	16.773	198	1167	5.253	ng	# 16
23) Atrazine	16.810	200	197	0.026	ng	# 1
25) Phenanthrene	17.368	178	4943486	109.714	ng	99
26) Anthracene	17.455	178	2410816	56.607	ng	# 94
28) Fluoranthene	19.398	202	6267756	120.533	ng	97
30) Pyrene	19.765	202	7197358	61.775	ng	96
32) Benzo(a)anthracene	21.506	228	3958139	36.610	ng	95
33) Chrysene	21.569	228	3424523	32.867	ng	95
34) Bis(2-ethylhexyl)phtha...	21.372	149	82951	1.166	ng	98
36) Indeno(1,2,3-cd)pyrene	26.609	276	1827441	19.272	ng	97
37) Benzo(b)fluoranthene	23.241	252	3713389	40.787	ng	# 89
39) Benzo(a)pyrene	24.054	252	728777	8.465	ng	92
40) Dibenzo(a,h)anthracene	26.612	278	557044	7.181	ng	97
41) Benzo(g,h,i)perylene	27.431	276	1850733	23.245	ng	95

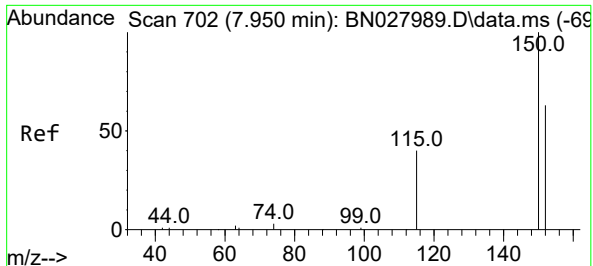
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
Data File : BN028255.D
Acq On : 12 Oct 2023 05:15
Operator : MA/JU
Sample : 04805-06 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Oct 12 06:00:59 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

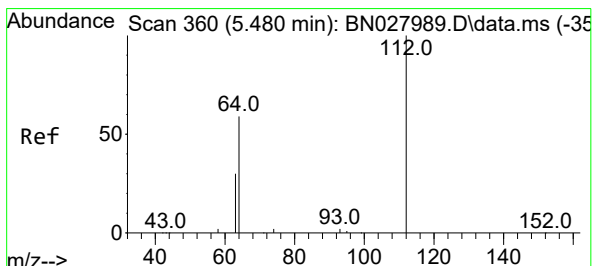
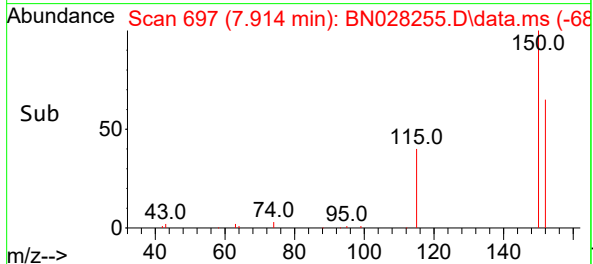
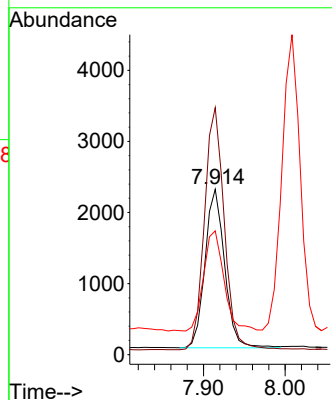
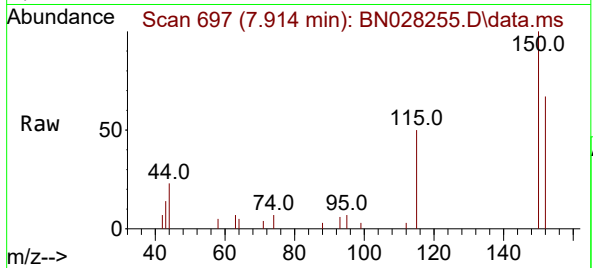




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.914 min Scan# 61
 Delta R.T. -0.008 min
 Lab File: BN028255.D
 Acq: 12 Oct 2023 05:15

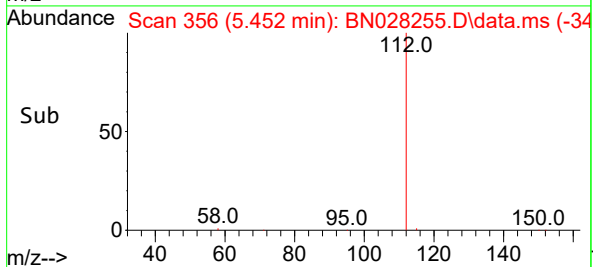
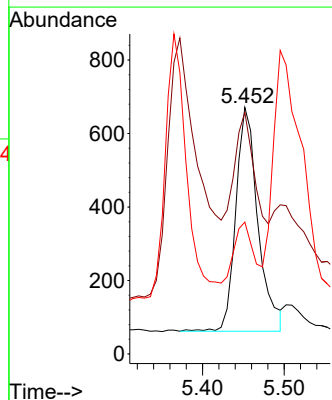
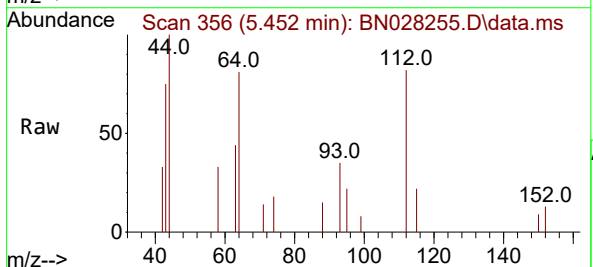
Instrument :
 BNA_N
 ClientSampleId :
 M-1(0-5)

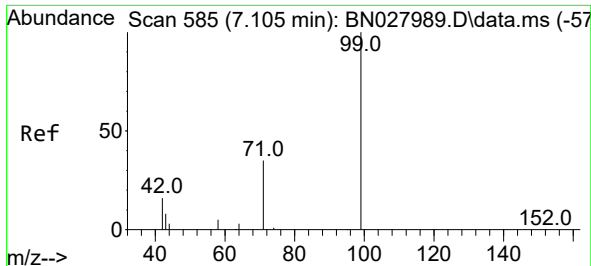
Tgt Ion:152 Resp: 3736
 Ion Ratio Lower Upper
 152 100
 150 149.3 125.6 188.4
 115 74.9 54.8 82.2



#4
 2-Fluorophenol
 Concen: 0.103 ng
 RT: 5.452 min Scan# 356
 Delta R.T. -0.014 min
 Lab File: BN028255.D
 Acq: 12 Oct 2023 05:15

Tgt Ion:112 Resp: 1151
 Ion Ratio Lower Upper
 112 100
 64 45.0 45.0 67.6#
 63 23.9 23.4 35.0

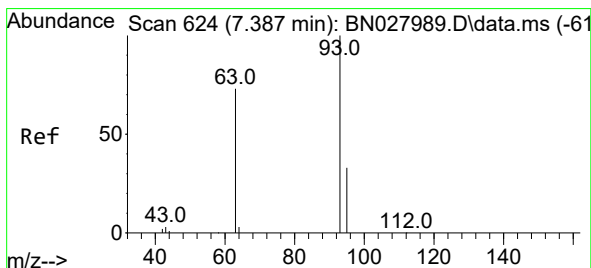
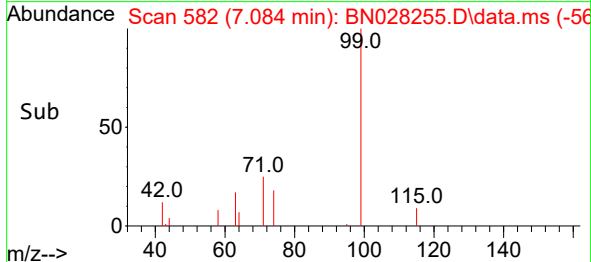
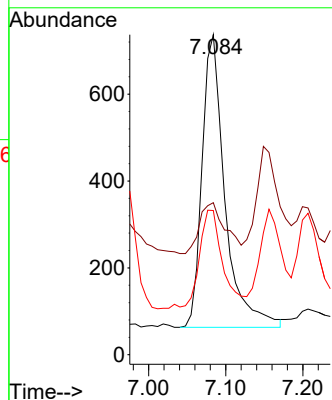
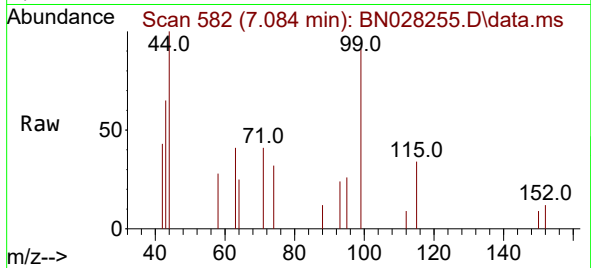




#5
Phenol-d6
Concen: 0.099 ng
RT: 7.084 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

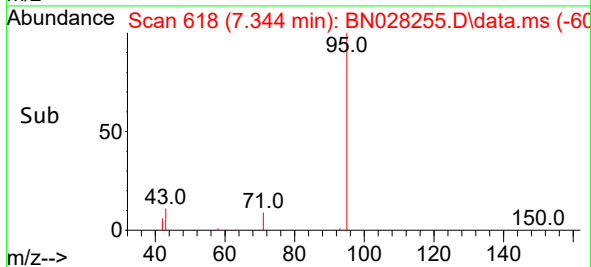
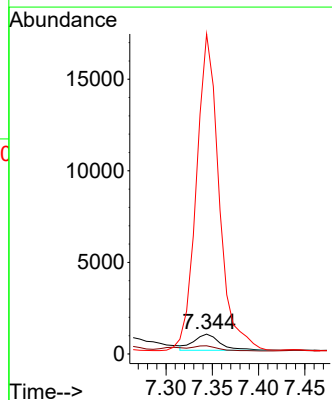
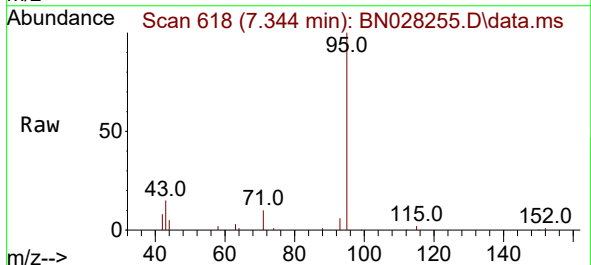
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)

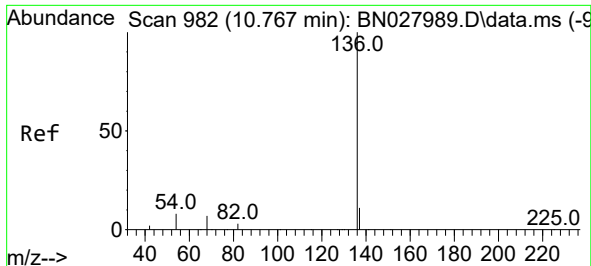
Tgt Ion: 99 Resp: 1386
Ion Ratio Lower Upper
99 100
42 19.4 14.6 22.0
71 34.9 28.3 42.5



#6
bis(2-Chloroethyl)ether
Concen: 0.152 ng
RT: 7.344 min Scan# 618
Delta R.T. -0.022 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion: 93 Resp: 1726
Ion Ratio Lower Upper
93 100
63 30.4 58.8 88.2#
95 1716.3 26.6 39.8#

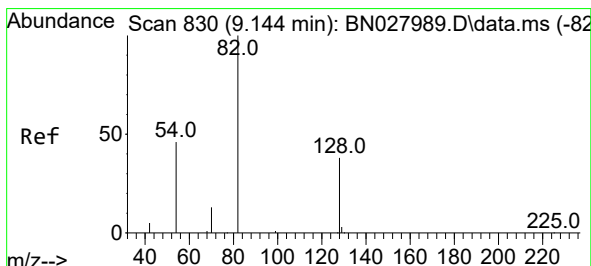
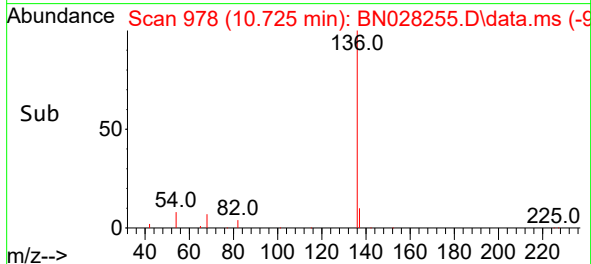
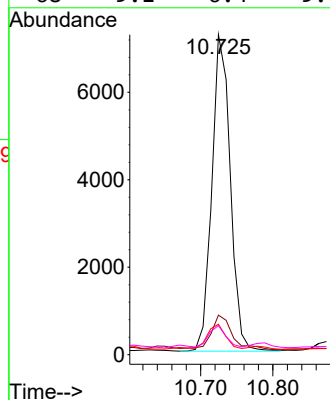
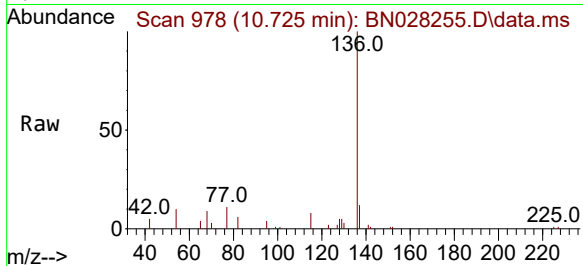




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.725 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

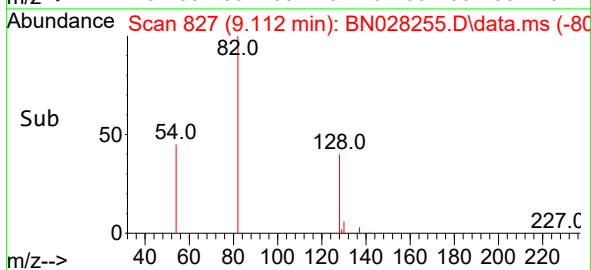
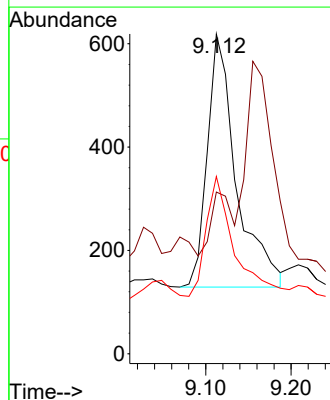
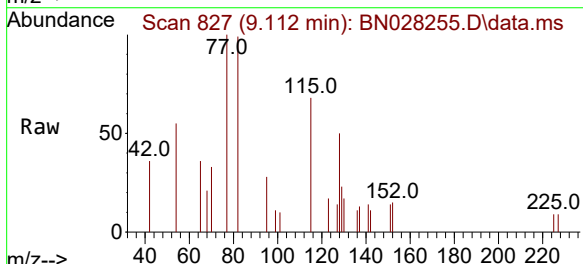
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)

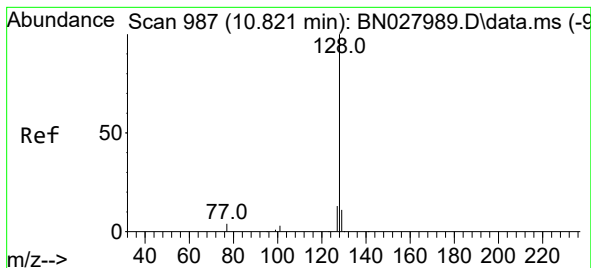
Tgt Ion:	136	Resp:	12816
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.4	14.0
54	9.5	7.0	10.6
68	9.1	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.106 ng
RT: 9.112 min Scan# 827
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion:	82	Resp:	1156
Ion	Ratio	Lower	Upper
82	100		
128	50.6	32.7	49.1#
54	55.4	38.7	58.1





#9

Naphthalene

Concen: 14.302 ng

RT: 10.778 min Scan# 9

Delta R.T. -0.011 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

Instrument :

BNA_N

ClientSampleId :

M-1(0-5)

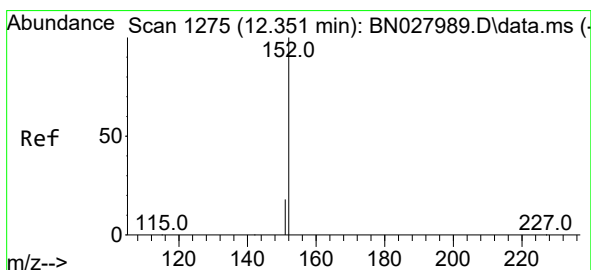
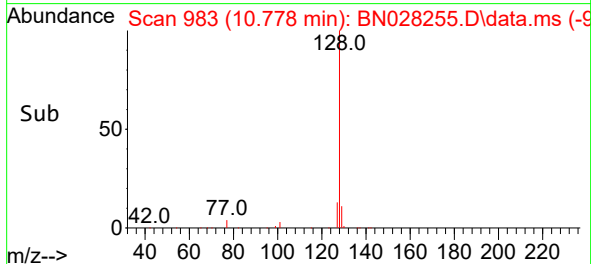
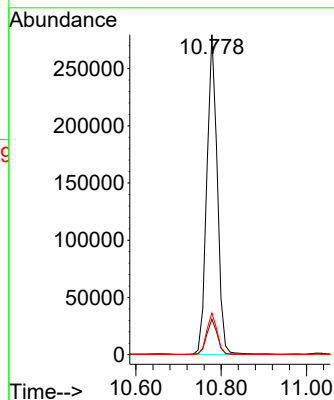
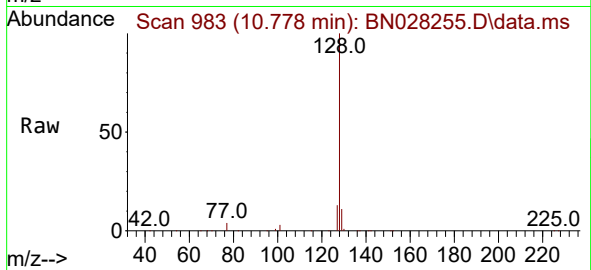
Tgt Ion:128 Resp: 473608

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.2

127 13.1 10.9 16.3



#11

2-Methylnaphthalene-d10

Concen: 0.096 ng

RT: 12.313 min Scan# 1265

Delta R.T. -0.011 min

Lab File: BN028255.D

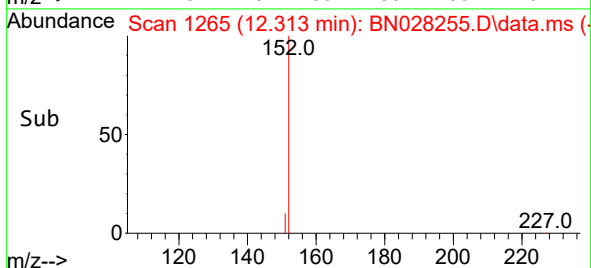
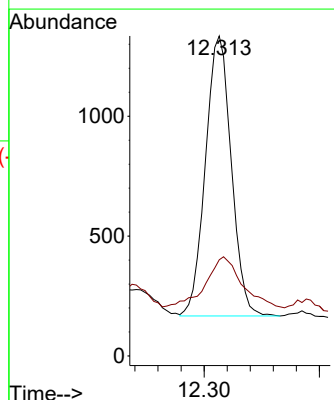
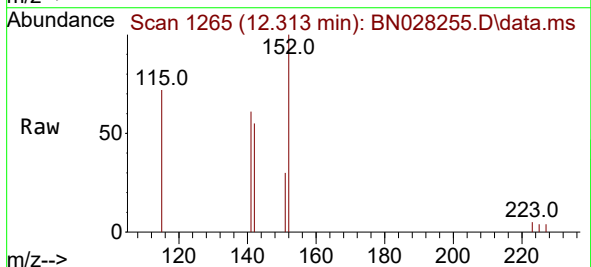
Acq: 12 Oct 2023 05:15

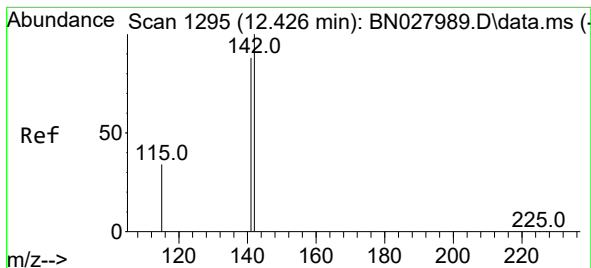
Tgt Ion:152 Resp: 1819

Ion Ratio Lower Upper

152 100

151 31.4 16.5 24.7#





#12

2-Methylnaphthalene

Concen: 6.190 ng

RT: 12.385 min Scan# 11

Delta R.T. -0.015 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

Instrument :

BNA_N

ClientSampleId :

M-1(0-5)

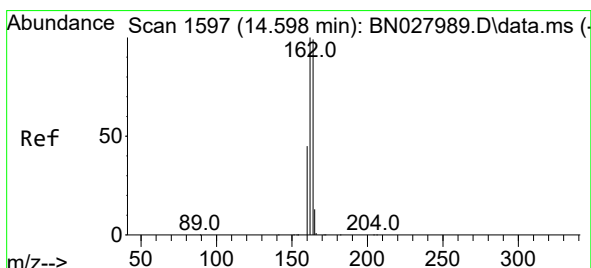
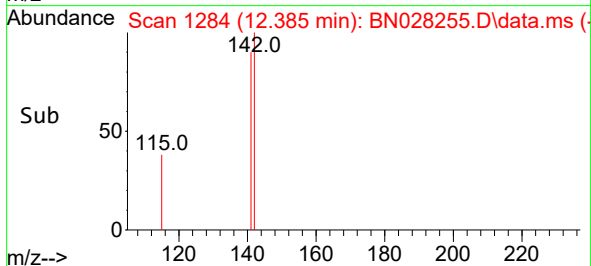
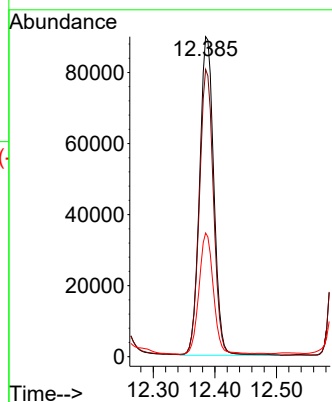
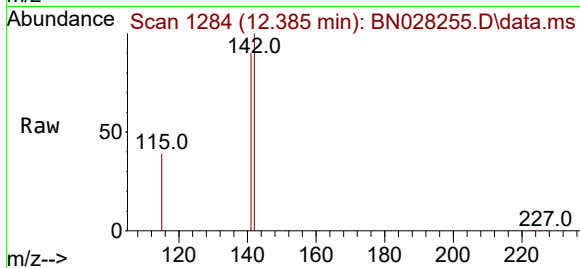
Tgt Ion:142 Resp: 143389

Ion Ratio Lower Upper

142 100

141 89.8 70.7 106.1

115 38.7 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: BN028255.D

Acq: 12 Oct 2023 05:15

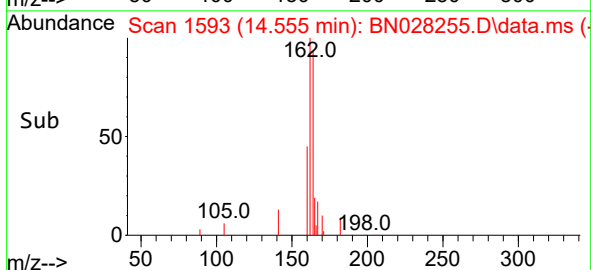
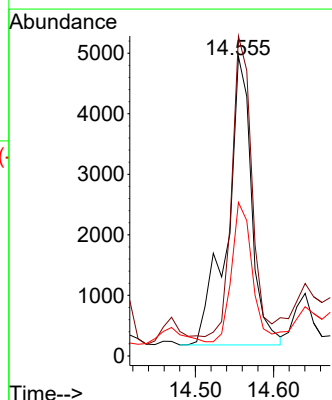
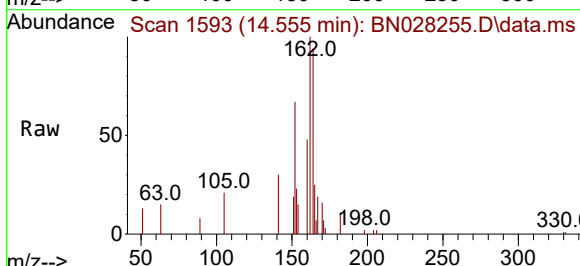
Tgt Ion:164 Resp: 10343

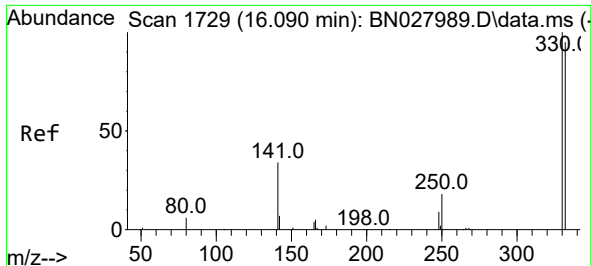
Ion Ratio Lower Upper

164 100

162 106.8 80.8 121.2

160 51.3 36.4 54.6

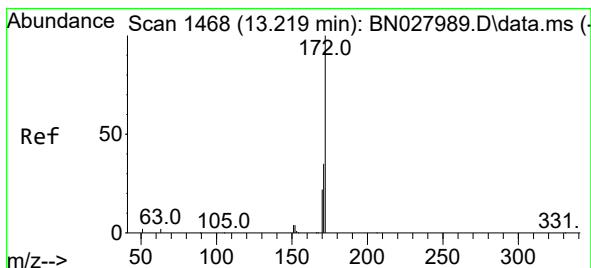
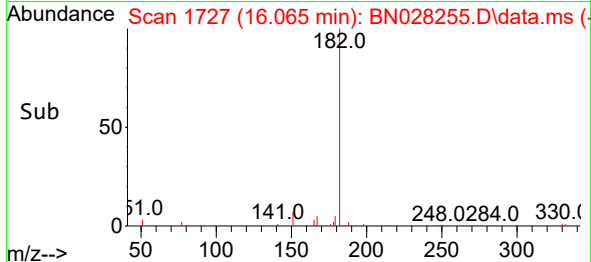
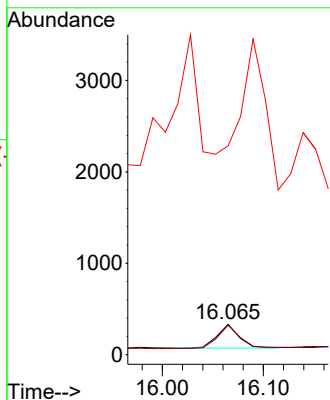
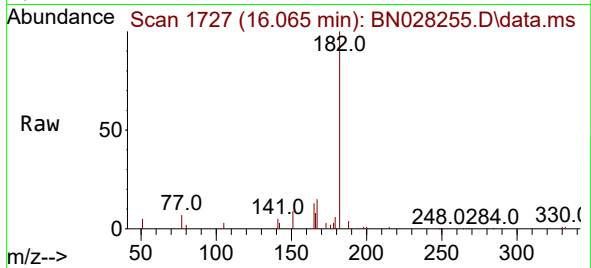




#14
2,4,6-Tribromophenol
Concen: 0.083 ng
RT: 16.065 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

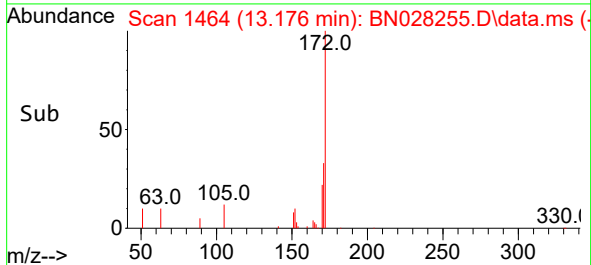
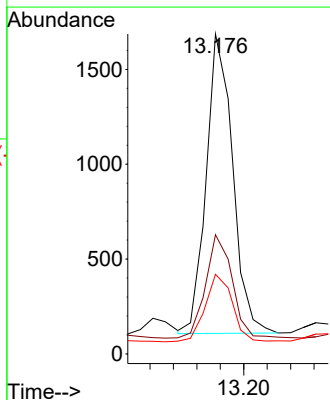
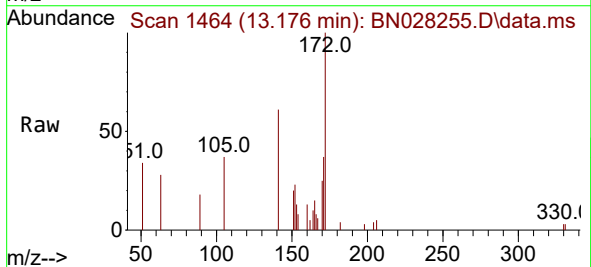
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)

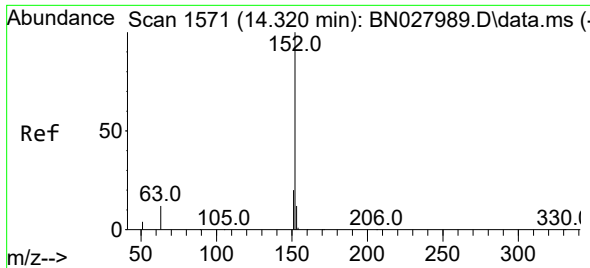
Tgt Ion:330 Resp: 392
Ion Ratio Lower Upper
330 100
332 105.1 78.1 117.1
141 0.0 33.4 50.2#



#15
2-Fluorobiphenyl
Concen: 0.066 ng
RT: 13.176 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion:172 Resp: 2474
Ion Ratio Lower Upper
172 100
171 37.2 28.1 42.1
170 24.9 18.4 27.6

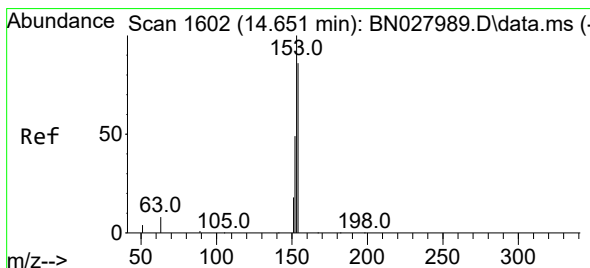
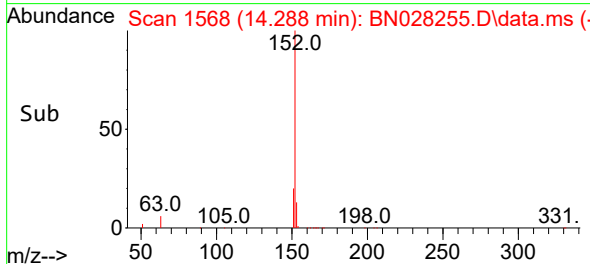
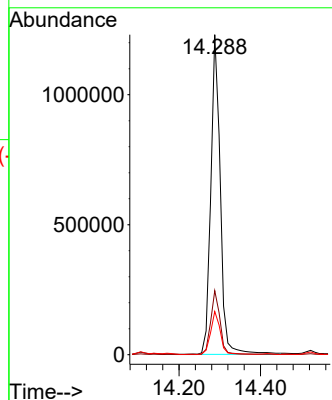
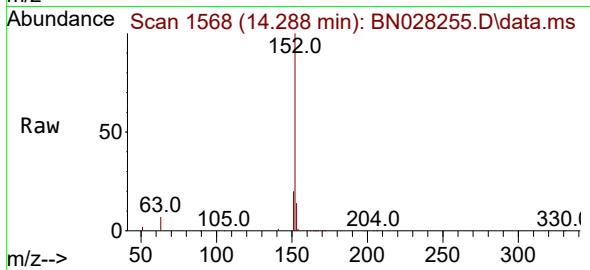




#16
Acenaphthylene
Concen: 43.397 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

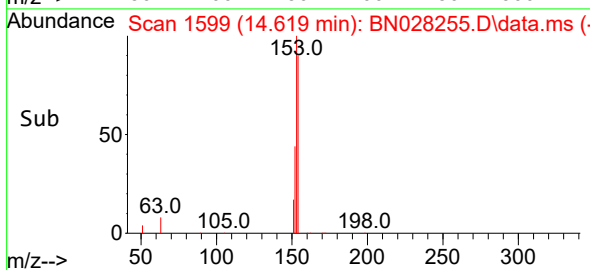
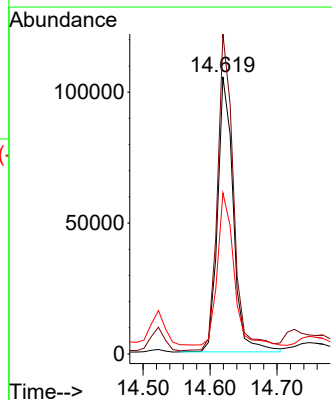
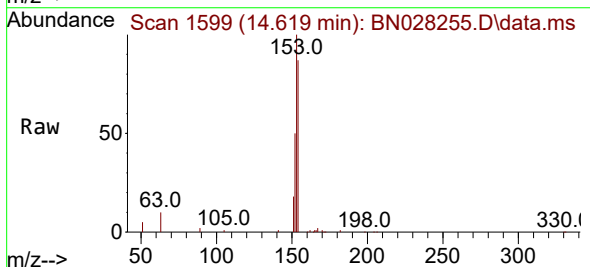
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)

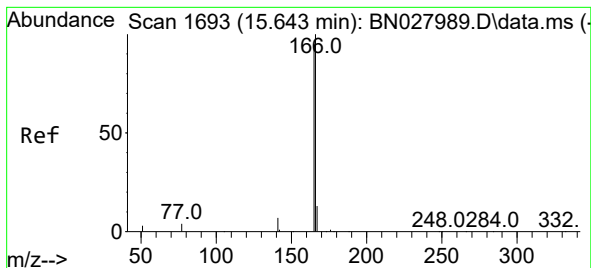
Tgt Ion:152 Resp: 1988407
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.5 10.2 15.4



#17
Acenaphthene
Concen: 5.864 ng
RT: 14.619 min Scan# 1599
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion:154 Resp: 171279
Ion Ratio Lower Upper
154 100
153 117.7 90.8 136.2
152 57.2 43.9 65.9





#18

Fluorene

Concen: 13.845 ng

RT: 15.606 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

Instrument :

BNA_N

ClientSampleId :

M-1(0-5)

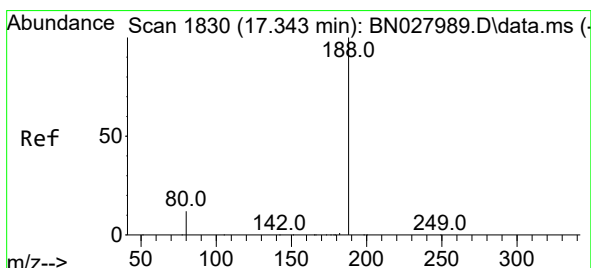
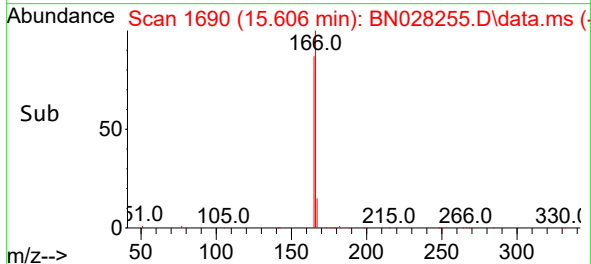
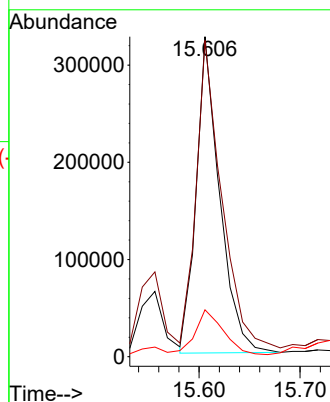
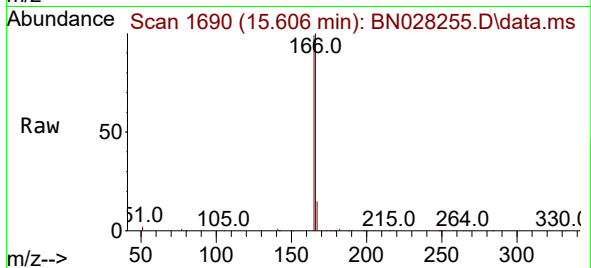
Tgt Ion:166 Resp: 525210

Ion Ratio Lower Upper

166 100

165 105.6 77.8 116.8

167 16.9 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: BN028255.D

Acq: 12 Oct 2023 05:15

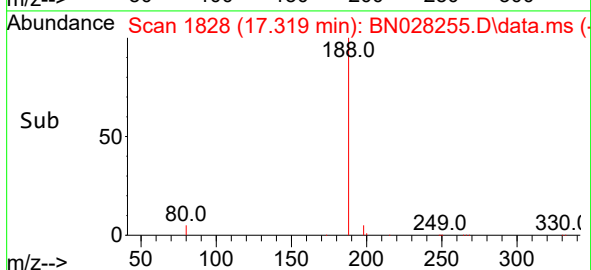
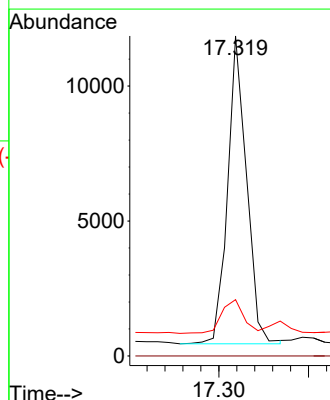
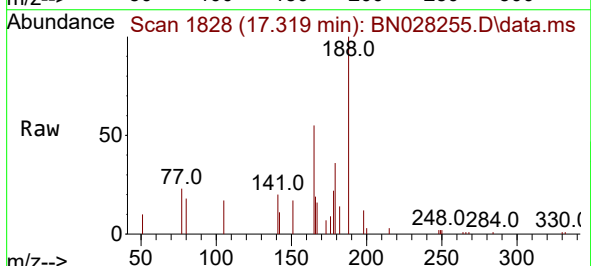
Tgt Ion:188 Resp: 16713

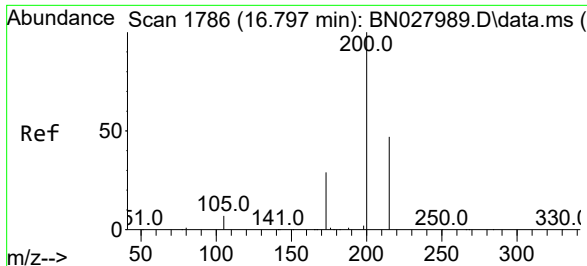
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 17.6 10.2 15.4#

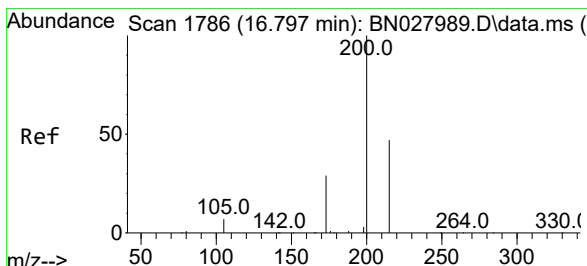
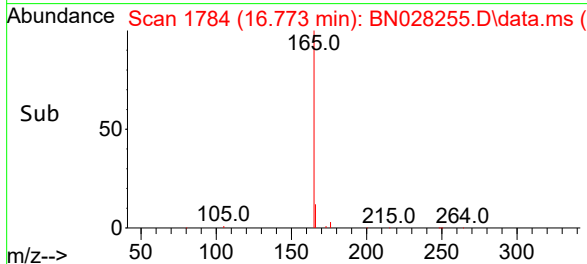
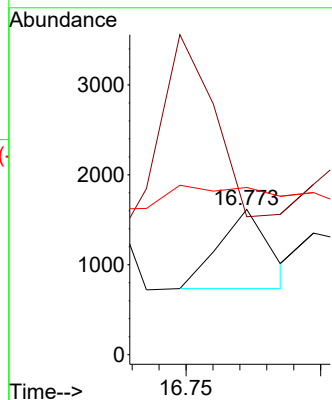
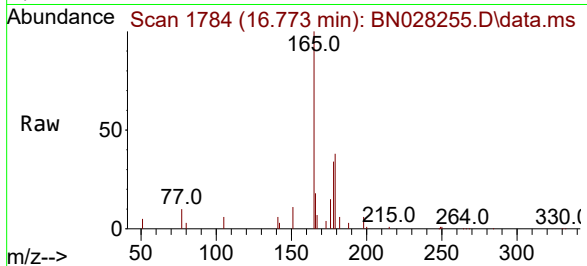




#20
4,6-Dinitro-2-methylphenol
Concen: 5.253 ng
RT: 16.773 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

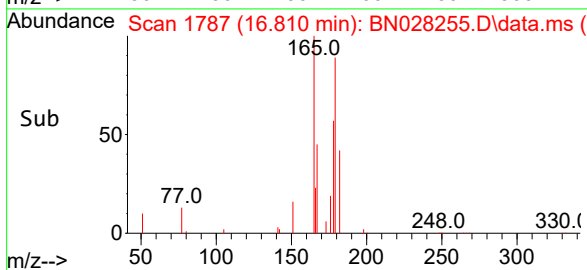
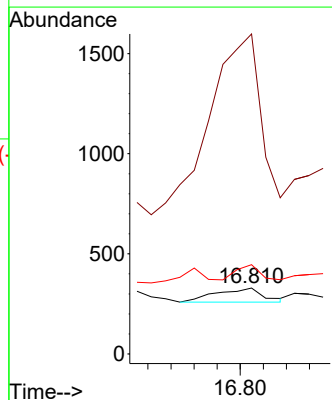
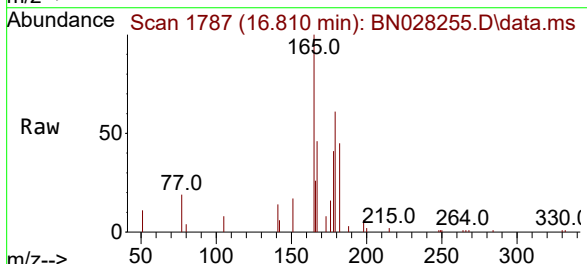
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)

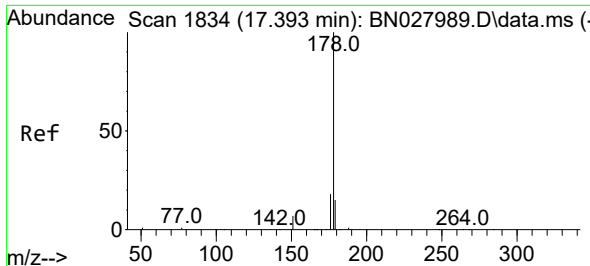
Tgt Ion:198 Resp: 1167
Ion Ratio Lower Upper
198 100
51 95.0 180.7 271.1#
105 115.1 222.2 333.2#



#23
Atrazine
Concen: 0.026 ng
RT: 16.810 min Scan# 1787
Delta R.T. 0.025 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion:200 Resp: 197
Ion Ratio Lower Upper
200 100
173 485.7 24.7 37.1#
215 135.6 39.0 58.6#

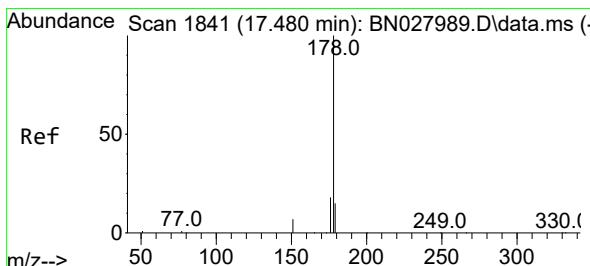
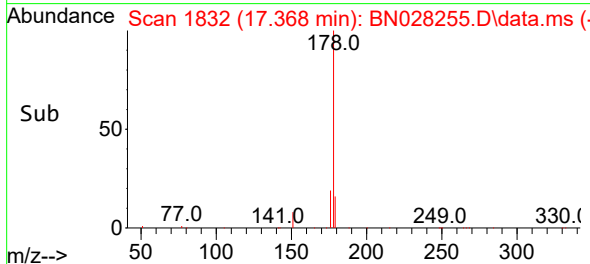
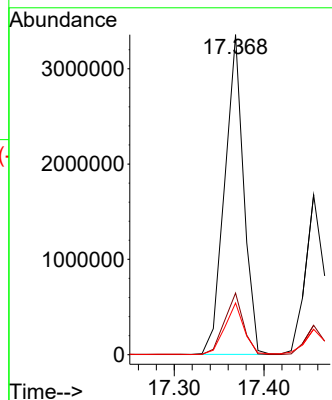
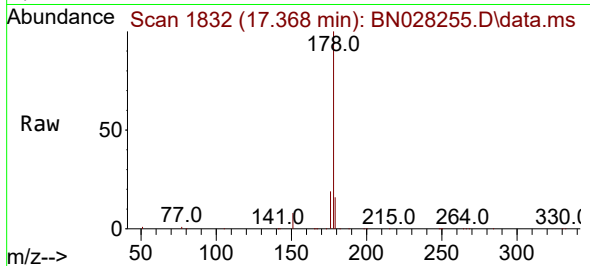




#25
Phenanthrene
Concen: 109.714 ng
RT: 17.368 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

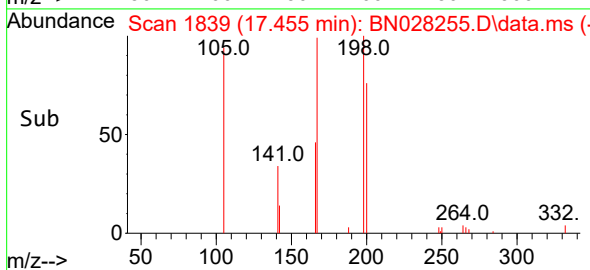
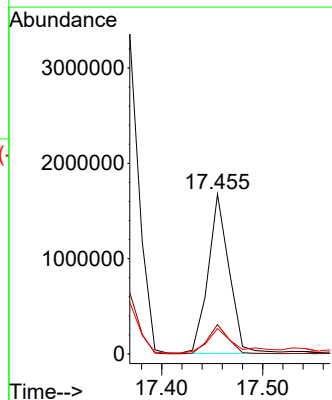
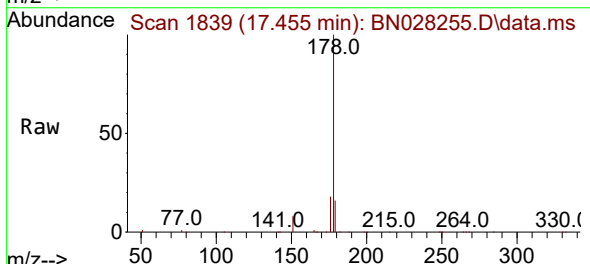
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)

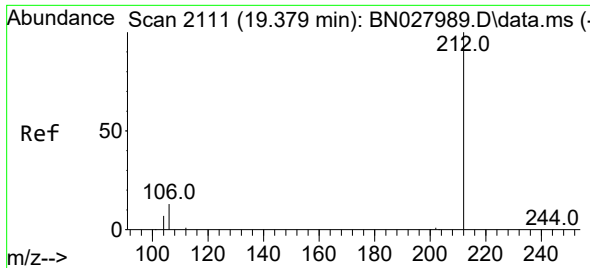
Tgt Ion:178 Resp: 4943486
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.2 12.4 18.6



#26
Anthracene
Concen: 56.607 ng
RT: 17.455 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion:178 Resp: 2410816
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 20.2 12.2 18.2#

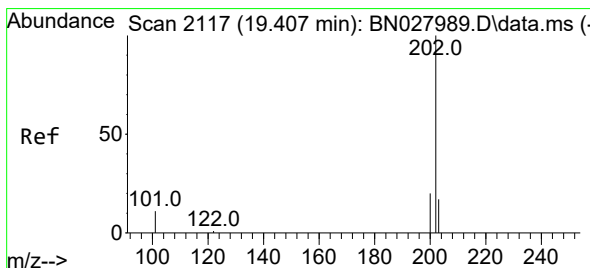
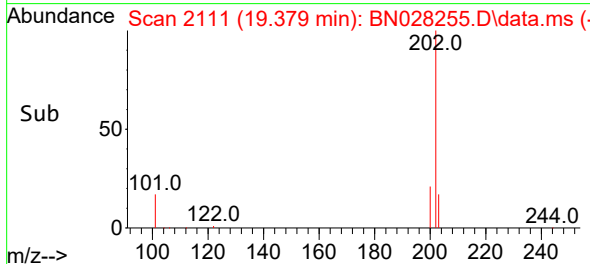
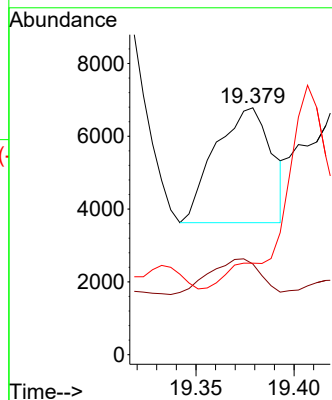
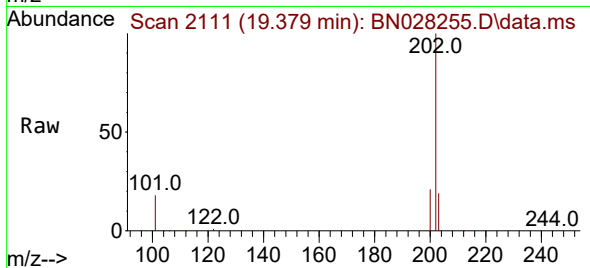




#27
Fluoranthene-d10
Concen: 0.150 ng
RT: 19.379 min Scan# 2111
Delta R.T. 0.023 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

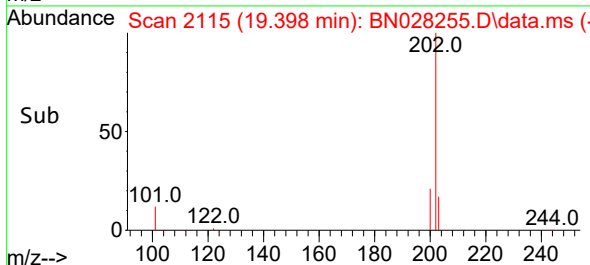
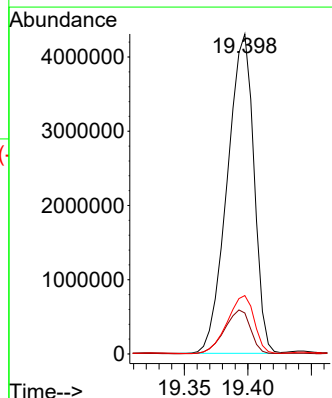
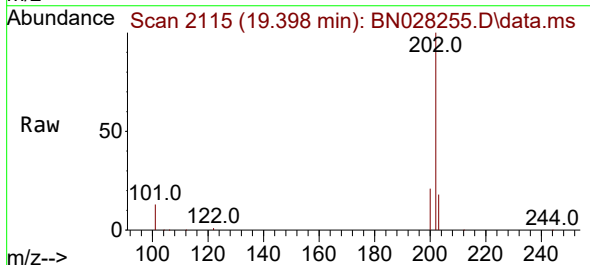
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)

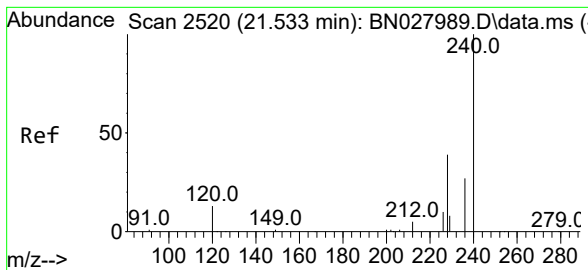
Tgt Ion:212 Resp: 6303
Ion Ratio Lower Upper
212 100
106 27.9 11.3 16.9#
104 0.0 6.4 9.6#



#28
Fluoranthene
Concen: 120.533 ng
RT: 19.398 min Scan# 2115
Delta R.T. 0.014 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion:202 Resp: 6267756
Ion Ratio Lower Upper
202 100
101 13.5 9.8 14.6
203 18.4 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.524 min Scan# 2119

Delta R.T. 0.009 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

Instrument :

BNA_N

ClientSampleId :

M-1(0-5)

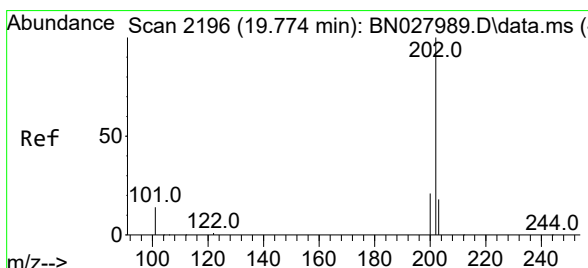
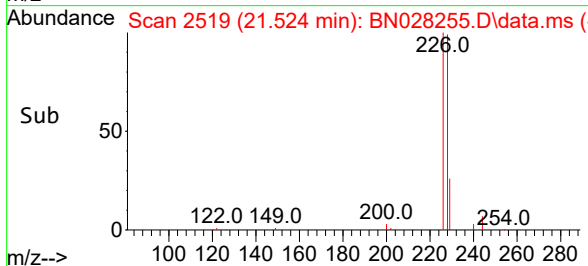
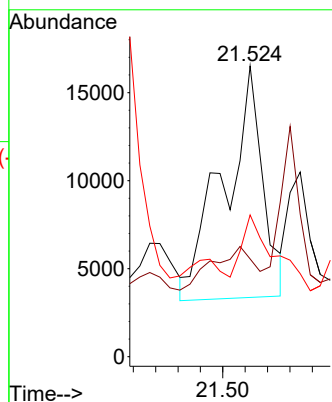
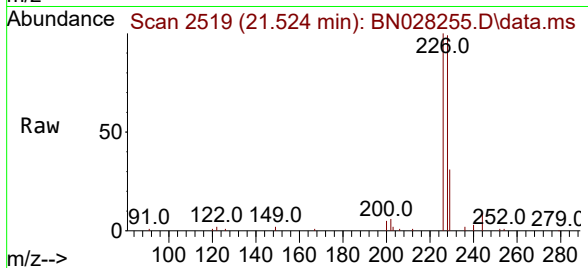
Tgt Ion:240 Resp: 31773

Ion Ratio Lower Upper

240 100

120 33.6 13.8 20.6#

236 48.8 22.6 33.8#



#30

Pyrene

Concen: 61.775 ng

RT: 19.765 min Scan# 2194

Delta R.T. 0.014 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

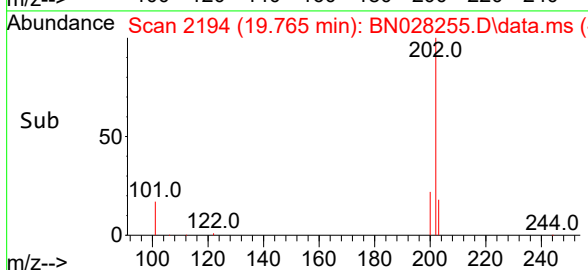
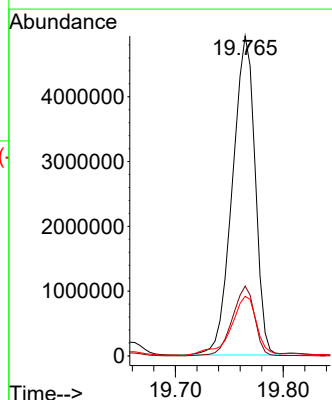
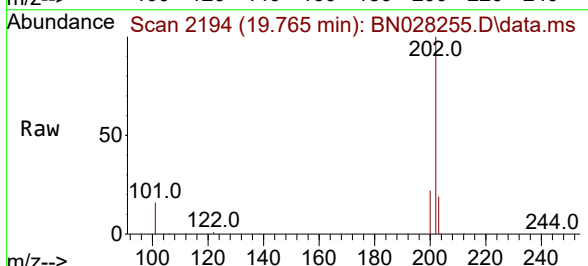
Tgt Ion:202 Resp: 7197358

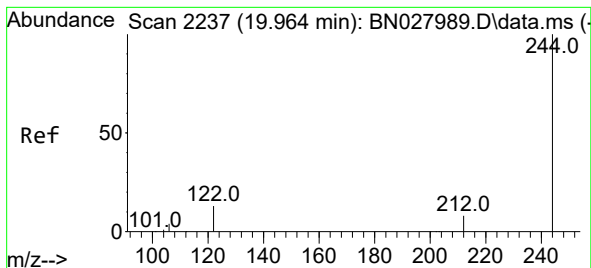
Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

203 21.0 14.7 22.1





#31

Terphenyl-d14

Concen: 0.096 ng

RT: 19.932 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

Instrument :

BNA_N

ClientSampleId :

M-1(0-5)

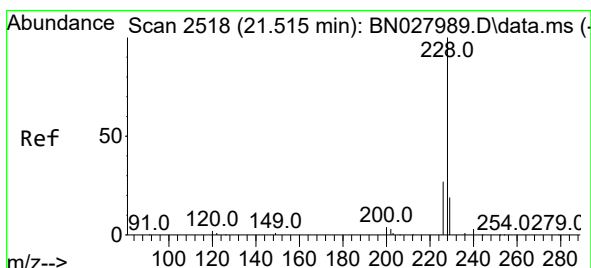
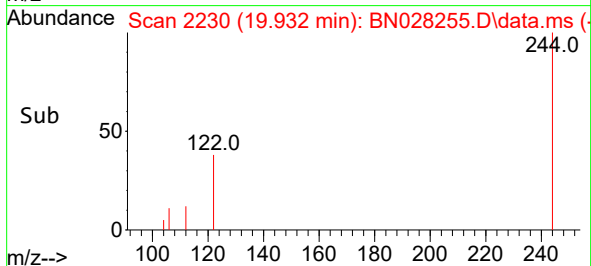
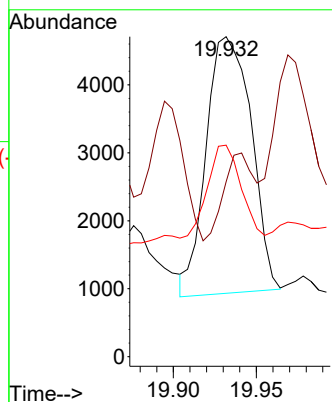
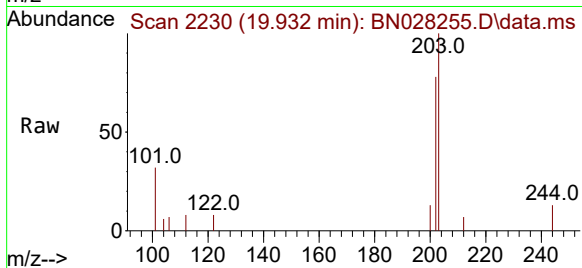
Tgt Ion:244 Resp: 7135

Ion Ratio Lower Upper

244 100

212 54.7 6.6 9.8#

122 66.1 11.4 17.0#



#32

Benzo(a)anthracene

Concen: 36.610 ng

RT: 21.506 min Scan# 2517

Delta R.T. 0.009 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

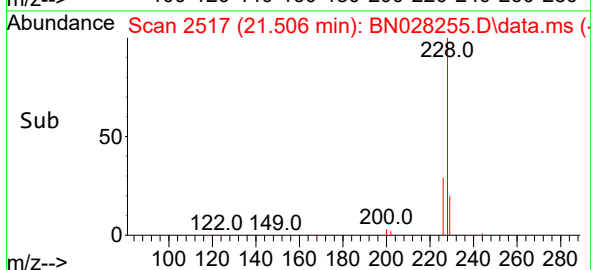
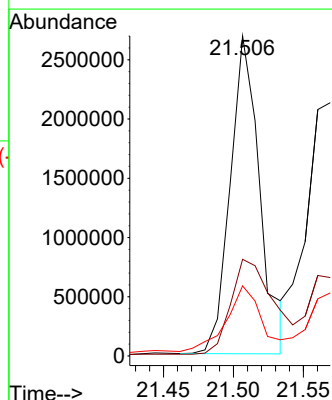
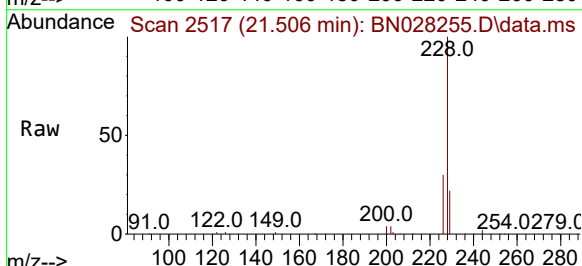
Tgt Ion:228 Resp: 3958139

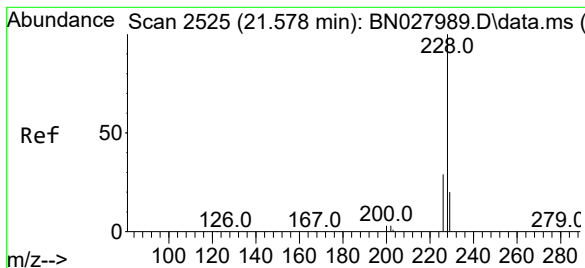
Ion Ratio Lower Upper

228 100

226 30.2 22.0 33.0

229 21.9 16.0 24.0





#33

Chrysene

Concen: 32.867 ng

RT: 21.569 min Scan# 21

Delta R.T. 0.018 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

Instrument :

BNA_N

ClientSampleId :

M-1(0-5)

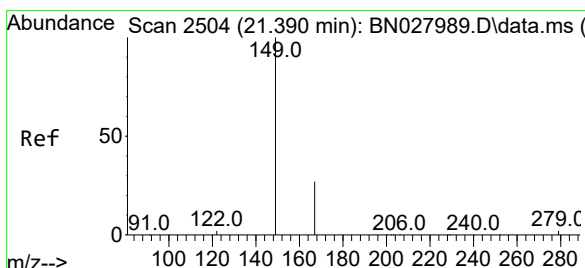
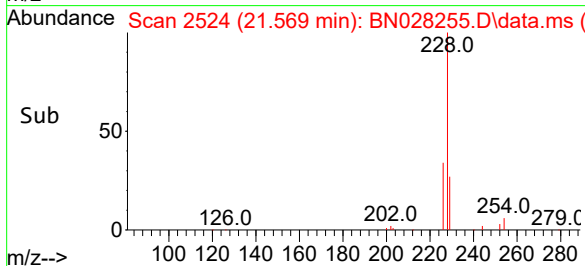
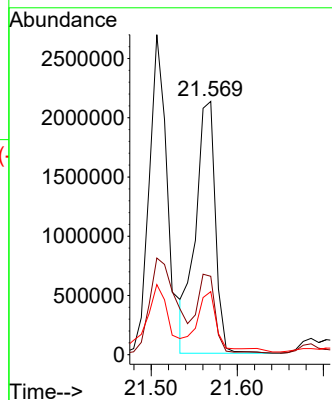
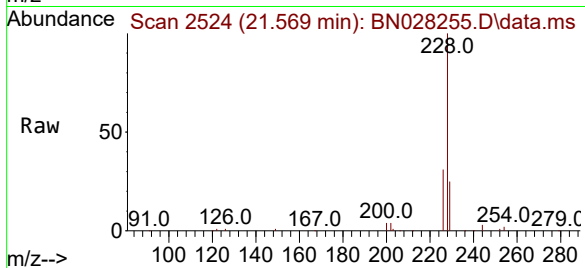
Tgt Ion:228 Resp: 3424523

Ion Ratio Lower Upper

228 100

226 30.9 23.8 35.8

229 24.9 16.6 25.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.166 ng

RT: 21.372 min Scan# 2502

Delta R.T. 0.009 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

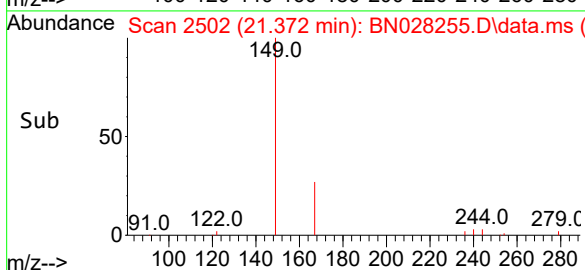
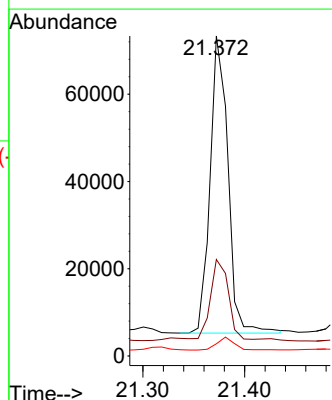
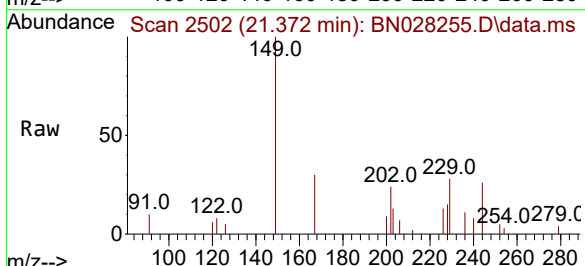
Tgt Ion:149 Resp: 82951

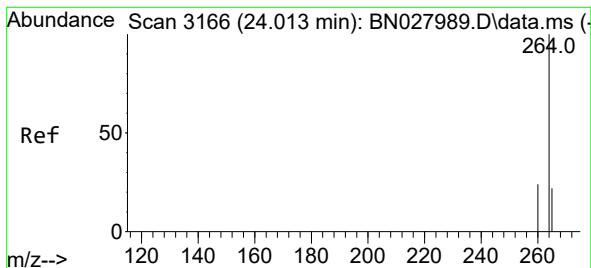
Ion Ratio Lower Upper

149 100

167 29.0 22.1 33.1

279 4.2 3.4 5.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.999 min Scan# 3166

Delta R.T. 0.023 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

Instrument :

BNA_N

ClientSampleId :

M-1(0-5)

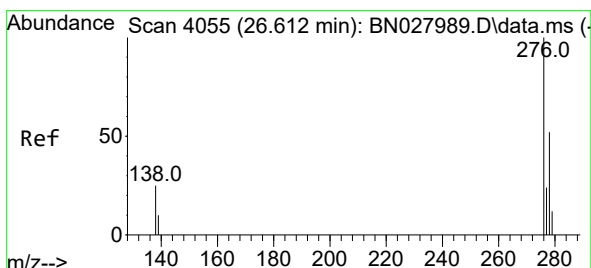
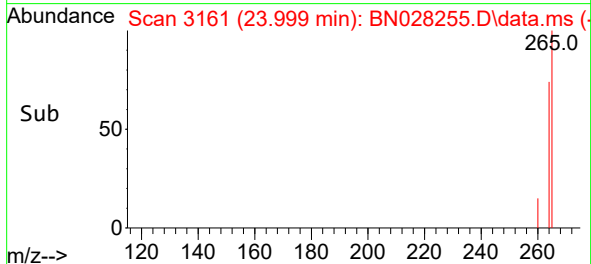
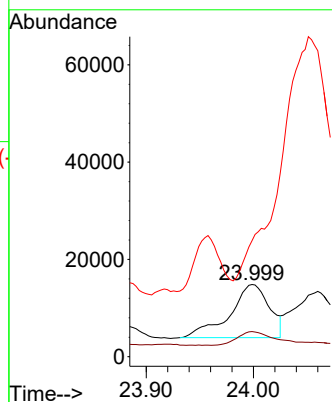
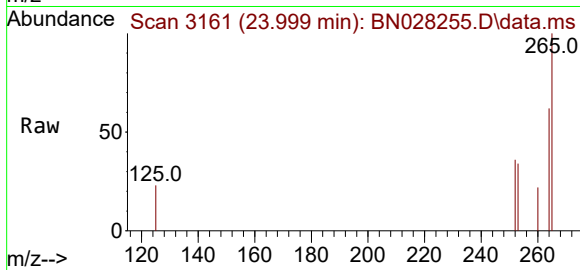
Tgt Ion:264 Resp: 28190

Ion Ratio Lower Upper

264 100

260 34.7 20.2 30.4#

265 160.7 54.8 82.2#



#36

Indeno(1,2,3-cd)pyrene

Concen: 19.272 ng

RT: 26.609 min Scan# 4054

Delta R.T. 0.053 min

Lab File: BN028255.D

Acq: 12 Oct 2023 05:15

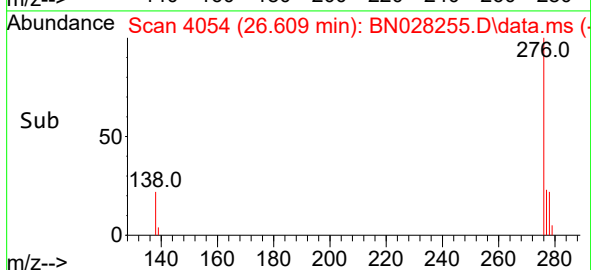
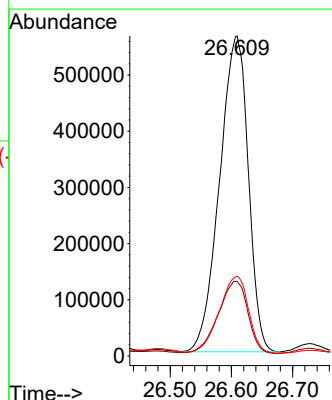
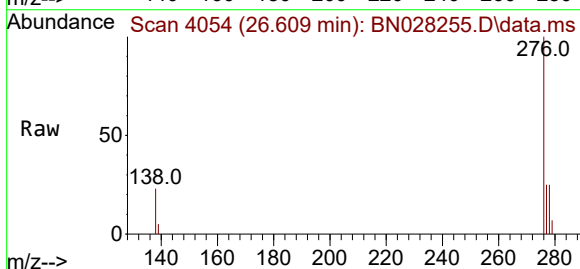
Tgt Ion:276 Resp: 1827441

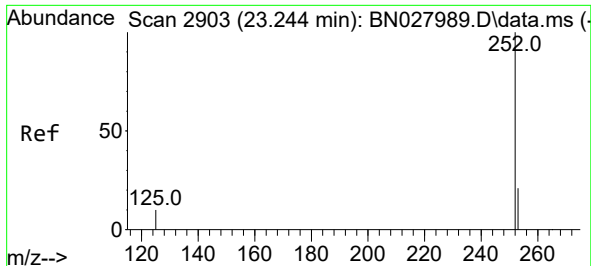
Ion Ratio Lower Upper

276 100

138 23.6 20.9 31.3

277 24.8 19.8 29.6

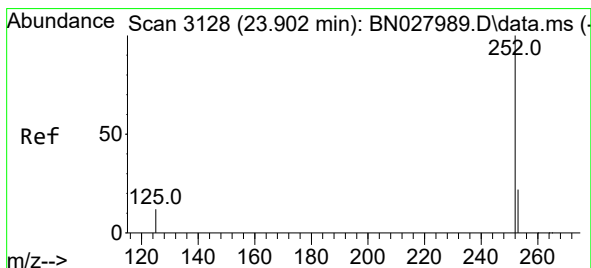
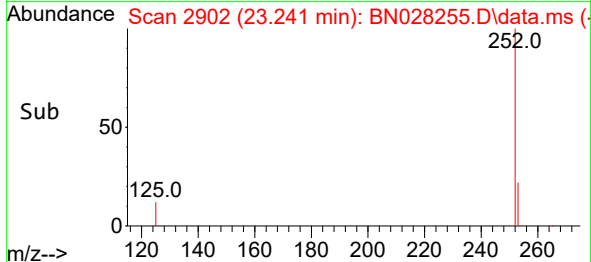
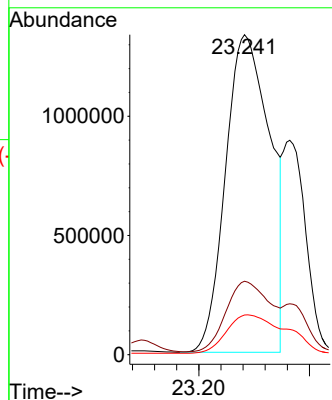
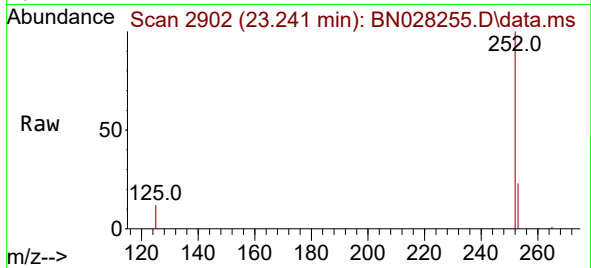




#37
Benzo(b)fluoranthene
Concen: 40.787 ng
RT: 23.241 min Scan# 2903
Delta R.T. 0.029 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

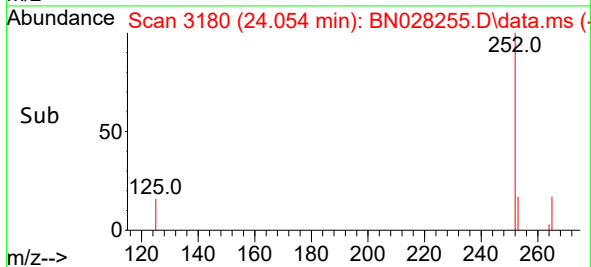
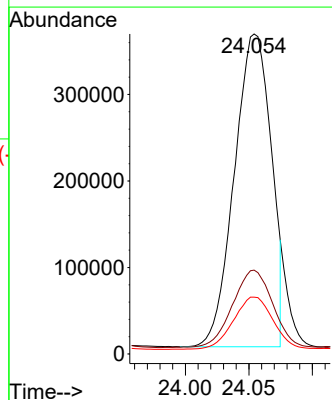
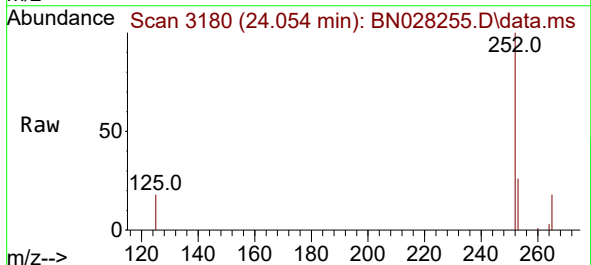
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)

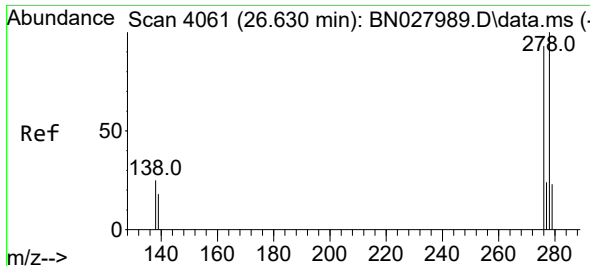
Tgt Ion:252 Resp: 3713389
Ion Ratio Lower Upper
252 100
253 23.0 22.9 34.3
125 12.4 13.8 20.8#



#39
Benzo(a)pyrene
Concen: 8.465 ng
RT: 24.054 min Scan# 3180
Delta R.T. 0.190 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion:252 Resp: 728777
Ion Ratio Lower Upper
252 100
253 26.2 25.0 37.4
125 17.7 16.6 24.8

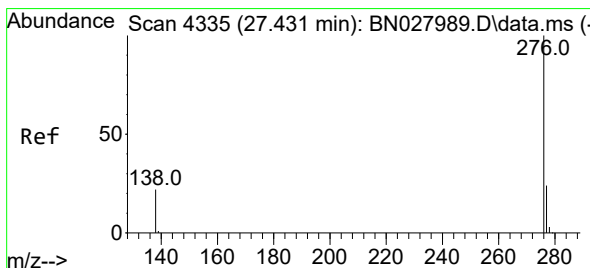
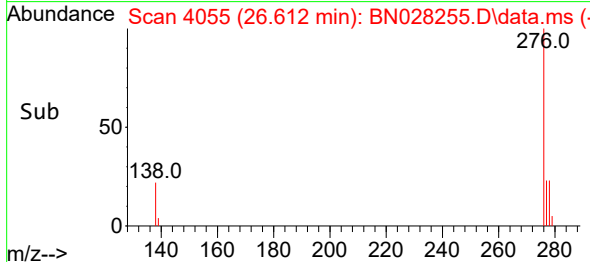
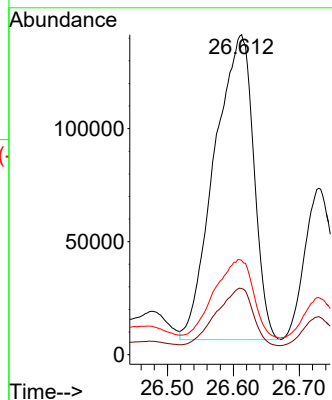
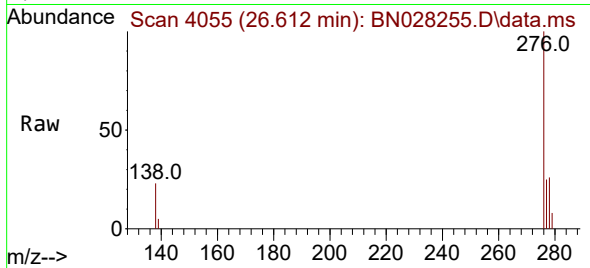




#40
Dibenzo(a,h)anthracene
Concen: 7.181 ng
RT: 26.612 min Scan# 4061
Delta R.T. 0.035 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

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

Tgt Ion:278 Resp: 557044
Ion Ratio Lower Upper
278 100
139 20.7 17.7 26.5
279 29.5 25.2 37.8



#41
Benzo(g,h,i)perylene
Concen: 23.245 ng
RT: 27.431 min Scan# 4335
Delta R.T. 0.064 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion:276 Resp: 1850733
Ion Ratio Lower Upper
276 100
277 24.4 22.1 33.1
138 23.6 20.8 31.2

