

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080123\
 Data File : BN026784.D
 Acq On : 01 Aug 2023 15:05
 Operator : MA/JU
 Sample : 03850-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GWBR-04-475-500-073123

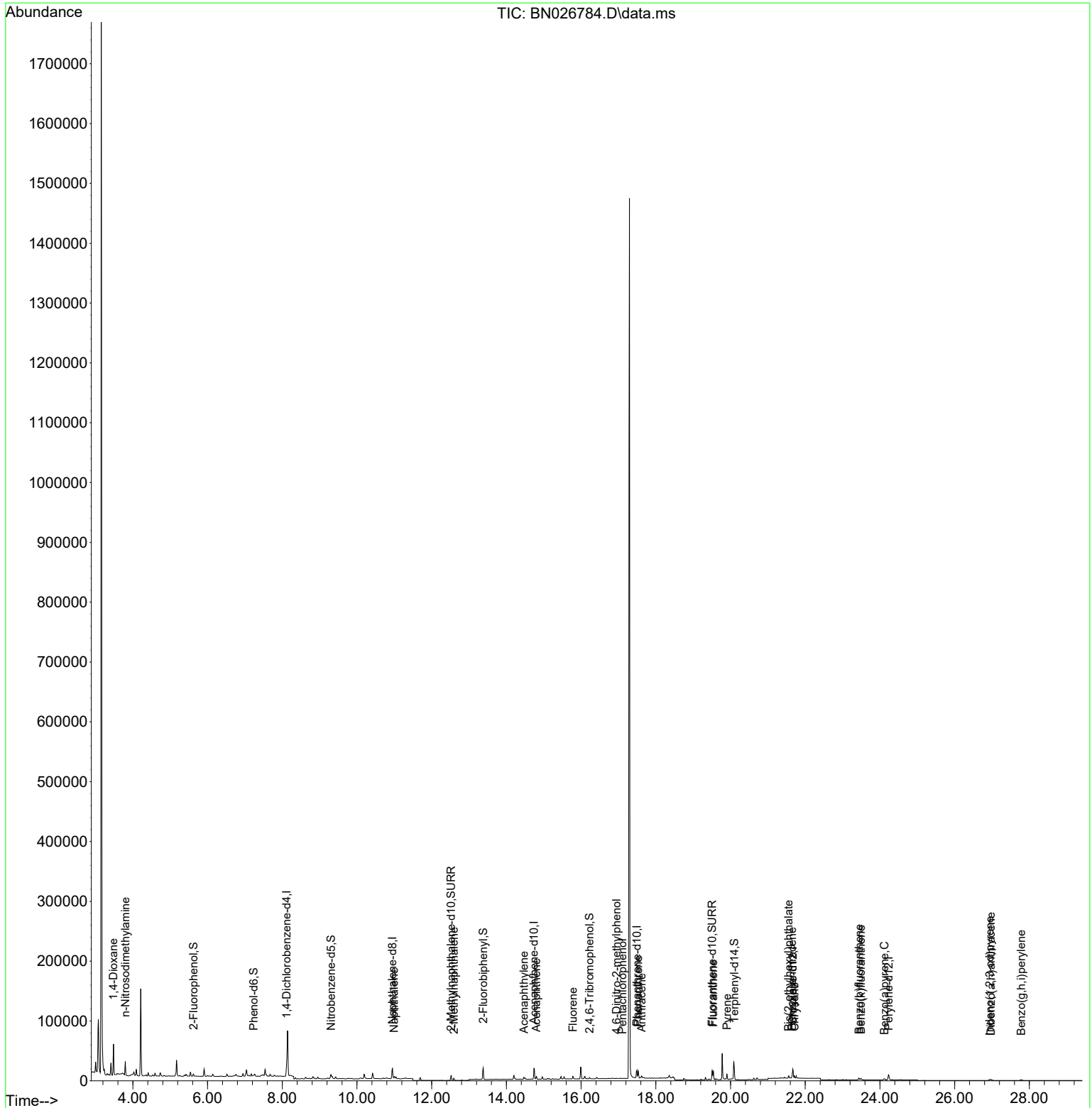
Quant Time: Aug 02 01:00:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 00:35:47 2023
 Response via : Initial Calibration

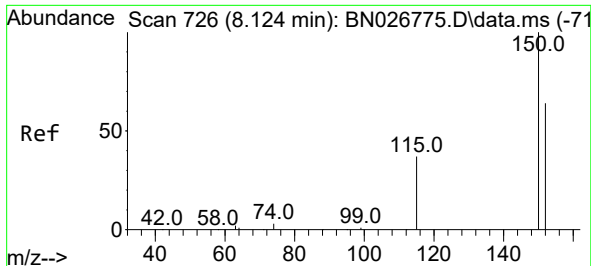
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	8356	0.400	ng	0.00
7) Naphthalene-d8	10.949	136	23640	0.400	ng	0.00
13) Acenaphthene-d10	14.737	164	10853	0.400	ng	-0.01
19) Phenanthrene-d10	17.492	188	19340	0.400	ng	0.00
29) Chrysene-d12	21.668	240	13449	0.400	ng	# 0.00
35) Perylene-d12	24.232	264	13305	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.625	112	2838	0.134	ng	0.00
5) Phenol-d6	7.235	99	2012	0.073	ng	0.00
8) Nitrobenzene-d5	9.304	82	5504	0.393	ng	0.00
11) 2-Methylnaphthalene-d10	12.521	152	10764	0.318	ng	0.00
14) 2,4,6-Tribromophenol	16.226	330	1214	0.329	ng	0.00
15) 2-Fluorobiphenyl	13.379	172	16897	0.381	ng	0.00
27) Fluoranthene-d10	19.509	212	15539	0.335	ng	0.00
31) Terphenyl-d14	20.099	244	14124	0.504	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.480	88	32231	3.304	ng	98
3) n-Nitrosodimethylamine	3.798	42	1797	0.165	ng	# 1
9) Naphthalene	10.991	128	4546	0.070	ng	# 92
12) 2-Methylnaphthalene	12.593	142	2554	0.058	ng	95
16) Acenaphthylene	14.469	152	3556	0.066	ng	99
17) Acenaphthene	14.801	154	2229	0.066	ng	89
18) Fluorene	15.779	166	2945	0.067	ng	99
20) 4,6-Dinitro-2-methylph...	16.946	198	10	0.032	ng	# 1
24) Pentachlorophenol	17.108	266	74	0.022	ng	# 82
25) Phenanthrene	17.530	178	11002	0.187	ng	100
26) Anthracene	17.616	178	3448	0.066	ng	# 95
28) Fluoranthene	19.541	202	11695	0.179	ng	# 88
30) Pyrene	19.904	202	7494	0.129	ng	99
32) Benzo(a)anthracene	21.650	228	4332	0.094	ng	93
33) Chrysene	21.712	228	3905	0.076	ng	95
34) Bis(2-ethylhexyl)phtha...	21.551	149	4419	0.289	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.940	276	3466	0.064	ng	98
37) Benzo(b)fluoranthene	23.437	252	4480	0.086	ng	# 79
38) Benzo(k)fluoranthene	23.493	252	3680	0.068	ng	# 77
39) Benzo(a)pyrene	24.115	252	3365	0.070	ng	# 76
40) Dibenzo(a,h)anthracene	26.972	278	2359	0.056	ng	# 72
41) Benzo(g,h,i)perylene	27.782	276	3034	0.061	ng	# 80

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

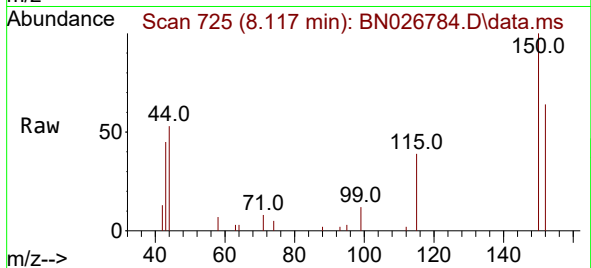
Quant Time: Aug 02 01:00:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Qlast Update : Wed Aug 02 00:35:47 2023
Response via : Initial Calibration



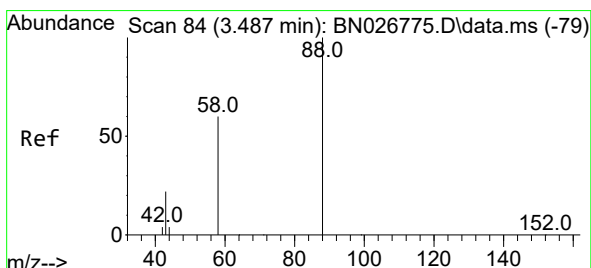
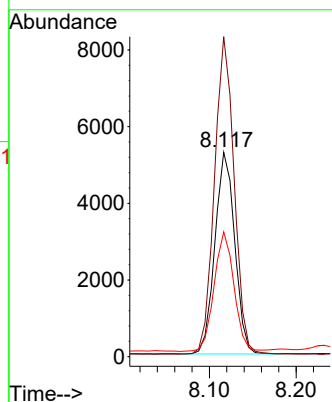
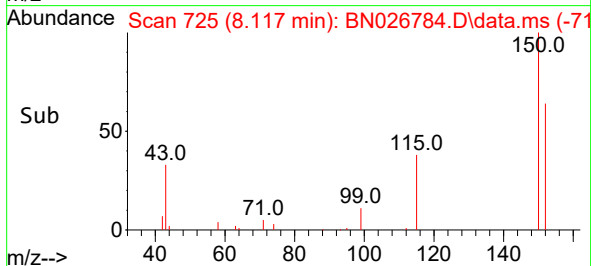


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.117 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: BN026784.D
 Acq: 01 Aug 2023 15:05

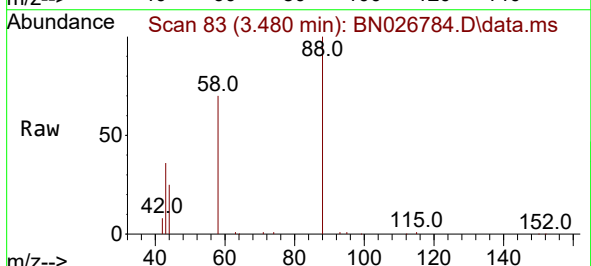
Instrument :
 BNA_N
 ClientSampleId :
 GWBR-04-475-500-073123



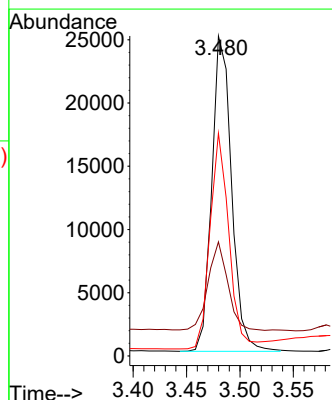
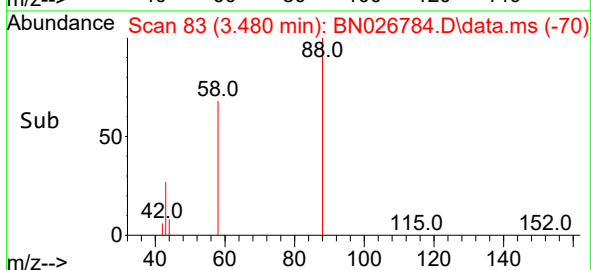
Tgt Ion:152 Resp: 8356
 Ion Ratio Lower Upper
 152 100
 150 156.5 123.8 185.8
 115 61.0 48.0 72.0

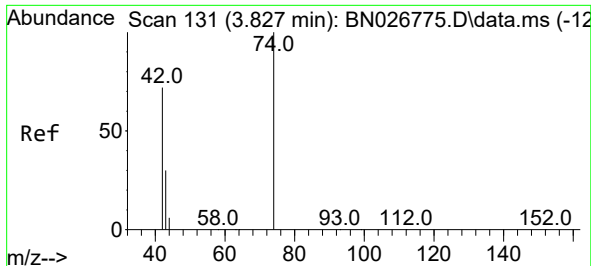


#2
 1,4-Dioxane
 Concen: 3.304 ng
 RT: 3.480 min Scan# 83
 Delta R.T. -0.007 min
 Lab File: BN026784.D
 Acq: 01 Aug 2023 15:05



Tgt Ion: 88 Resp: 32231
 Ion Ratio Lower Upper
 88 100
 43 27.9 21.7 32.5
 58 65.3 53.3 79.9

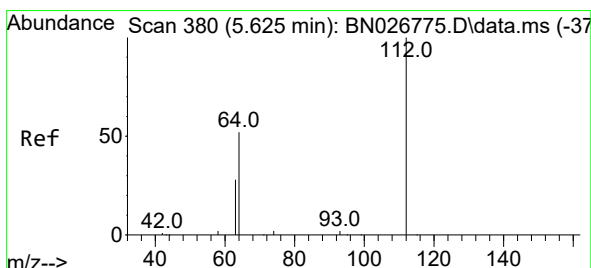
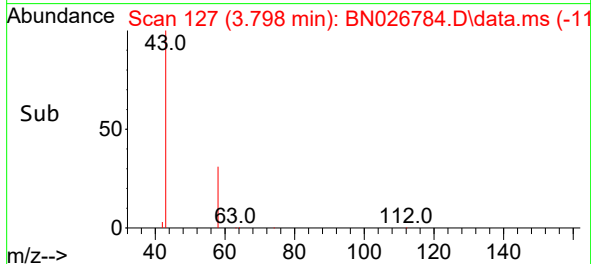
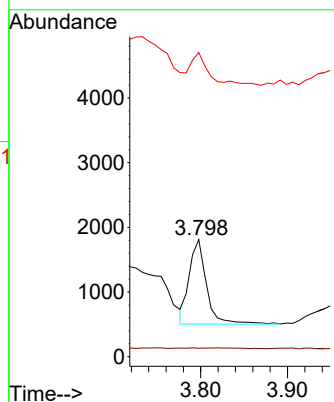
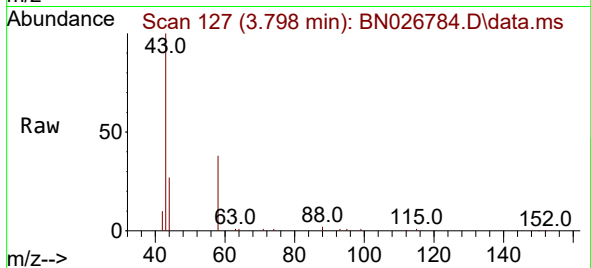




#3
n-Nitrosodimethylamine
Concen: 0.165 ng
RT: 3.798 min Scan# 11
Delta R.T. -0.029 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

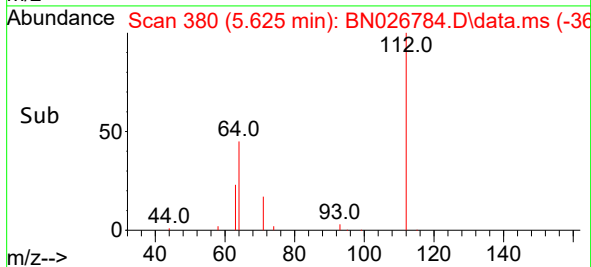
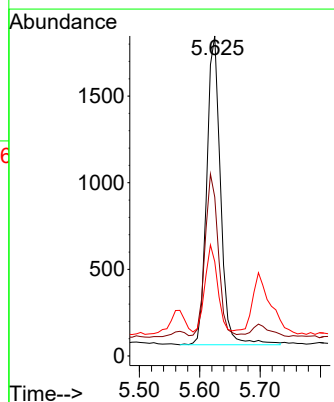
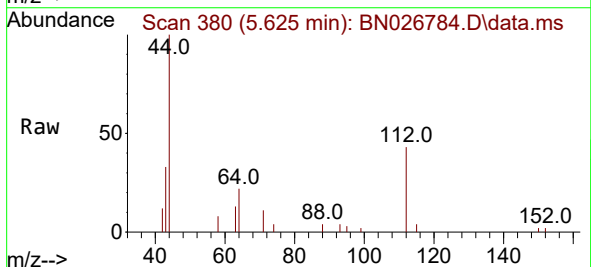
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

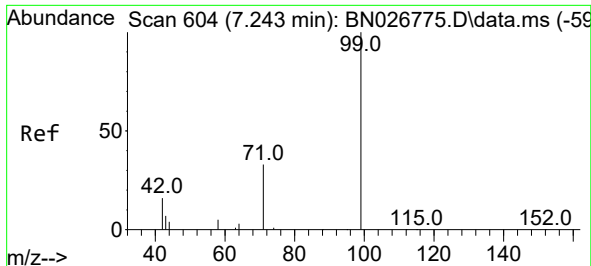
Tgt Ion: 42 Resp: 1797
Ion Ratio Lower Upper
42 100
74 0.3 106.4 159.6#
44 39.1 7.3 10.9#



#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.625 min Scan# 380
Delta R.T. -0.000 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion: 112 Resp: 2838
Ion Ratio Lower Upper
112 100
64 50.2 42.2 63.2
63 25.4 22.7 34.1

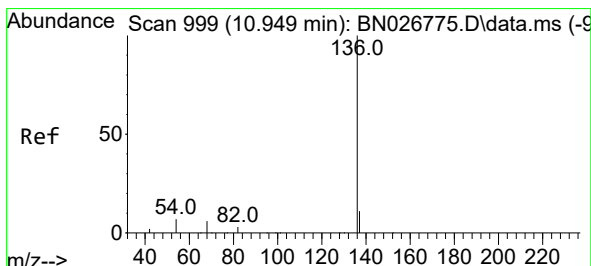
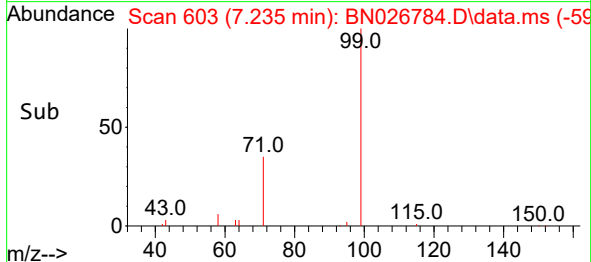
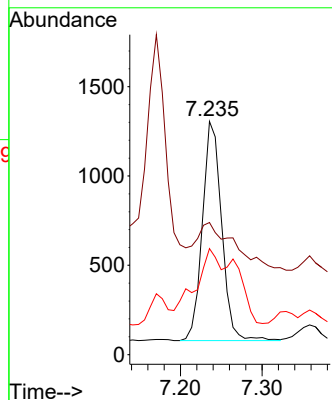
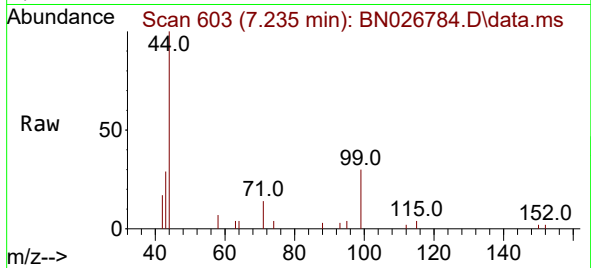




#5
Phenol-d6
Concen: 0.073 ng
RT: 7.235 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

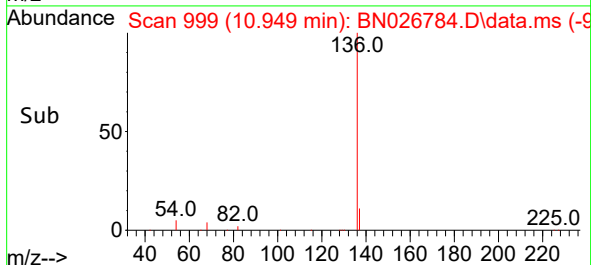
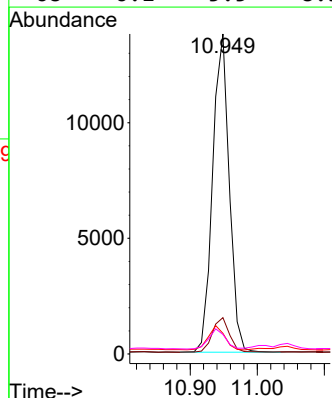
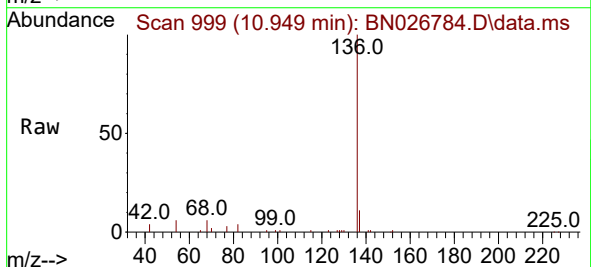
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

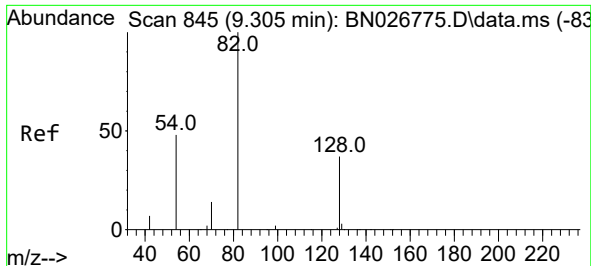
Tgt Ion: 99 Resp: 2012
Ion Ratio Lower Upper
99 100
42 43.1 14.6 22.0#
71 71.9 26.6 40.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.949 min Scan# 999
Delta R.T. -0.000 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion: 136 Resp: 23640
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 6.4 6.2 9.2
68 6.1 5.5 8.3

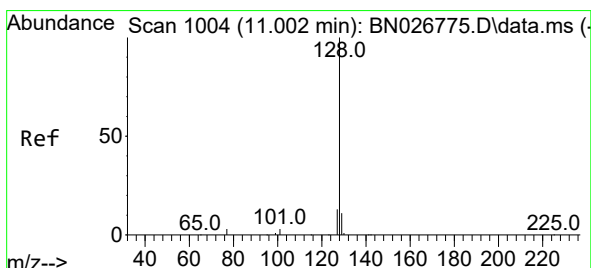
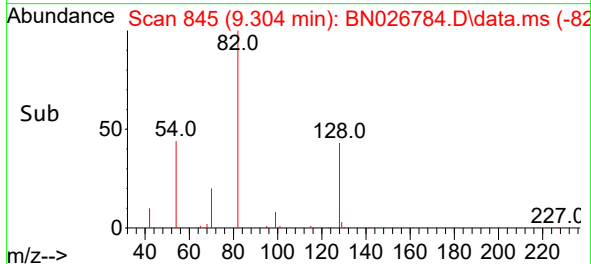
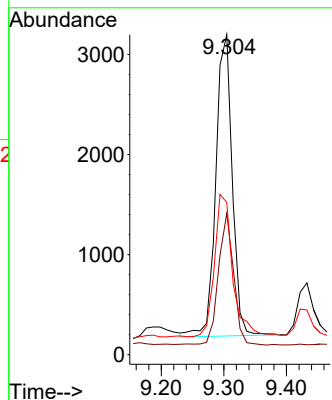
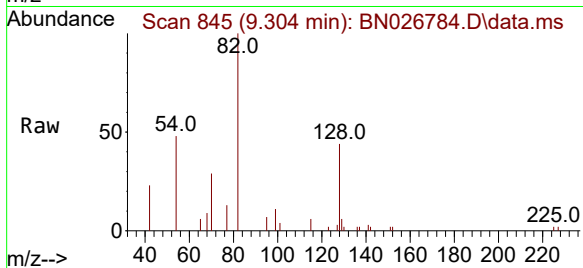




#8
Nitrobenzene-d5
Concen: 0.393 ng
RT: 9.304 min Scan# 845
Delta R.T. -0.000 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

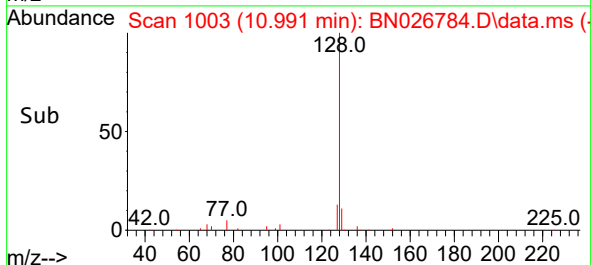
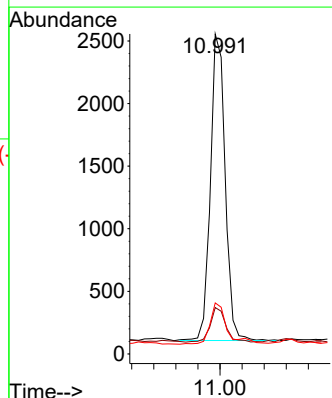
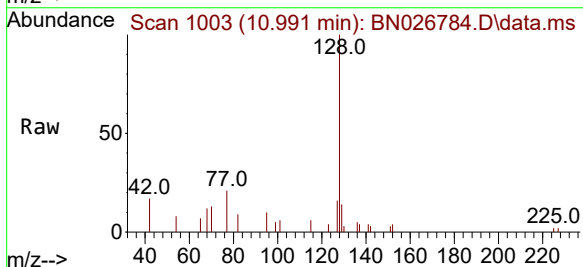
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

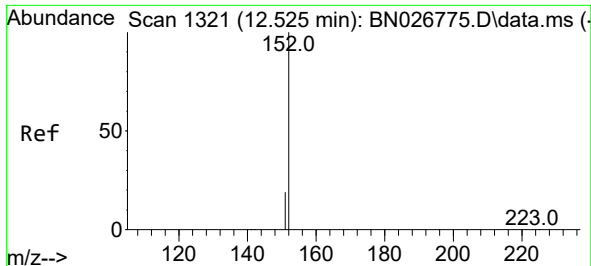
Tgt Ion: 82 Resp: 5504
Ion Ratio Lower Upper
82 100
128 44.1 30.5 45.7
54 47.6 39.4 59.2



#9
Naphthalene
Concen: 0.070 ng
RT: 10.991 min Scan# 1003
Delta R.T. -0.011 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion: 128 Resp: 4546
Ion Ratio Lower Upper
128 100
129 14.5 9.0 13.4#
127 16.0 10.6 16.0#

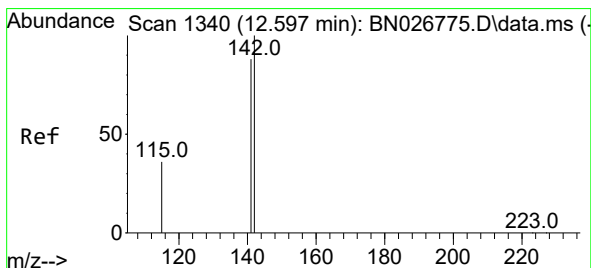
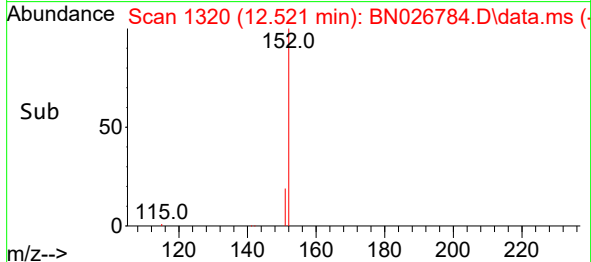
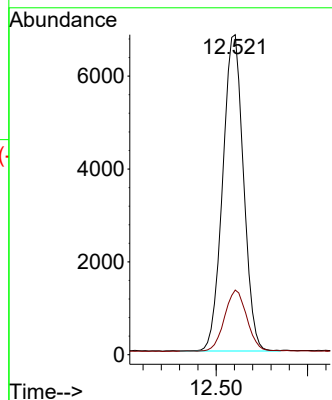
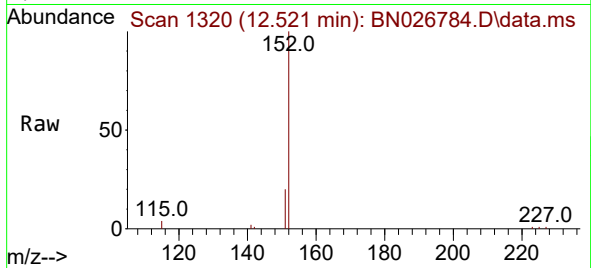




#11
2-Methylnaphthalene-d10
Concen: 0.318 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

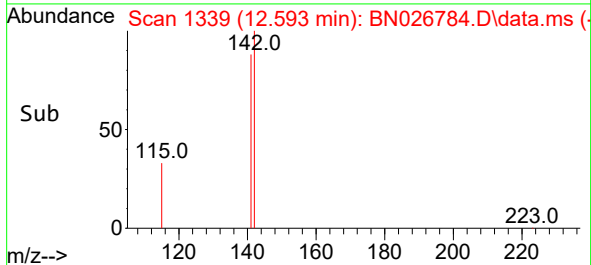
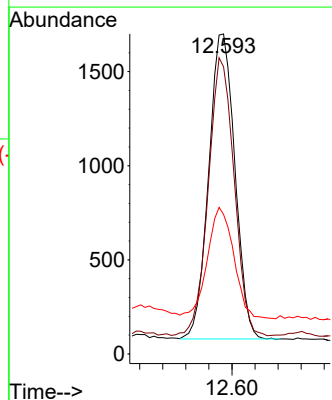
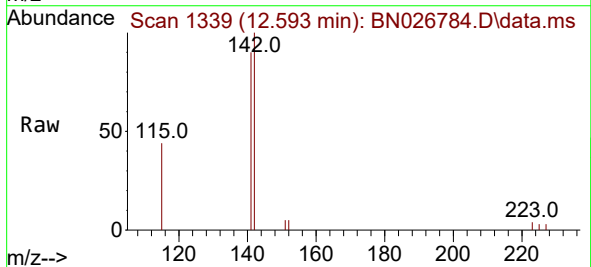
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

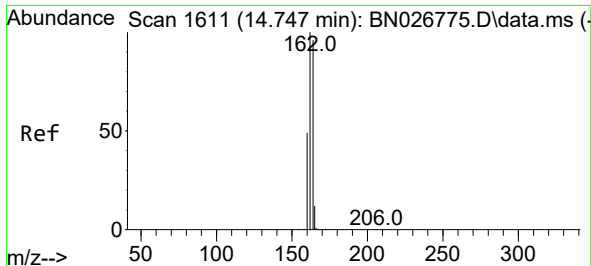
Tgt Ion:152 Resp: 10764
Ion Ratio Lower Upper
152 100
151 20.7 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.058 ng
RT: 12.593 min Scan# 1339
Delta R.T. -0.004 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion:142 Resp: 2554
Ion Ratio Lower Upper
142 100
141 89.8 70.3 105.5
115 43.6 29.2 43.8

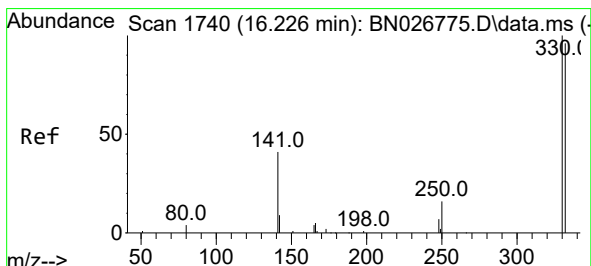
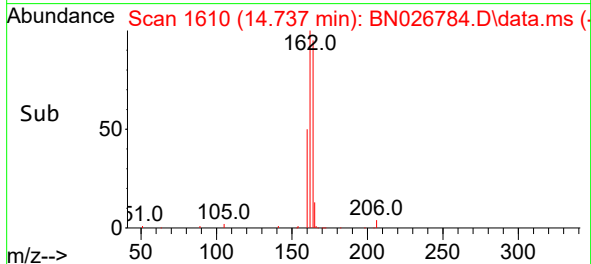
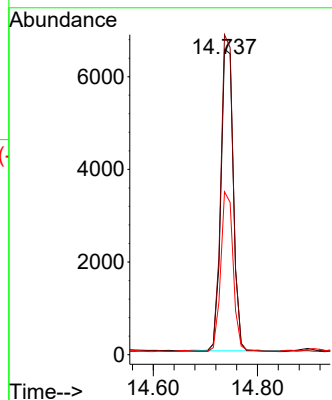
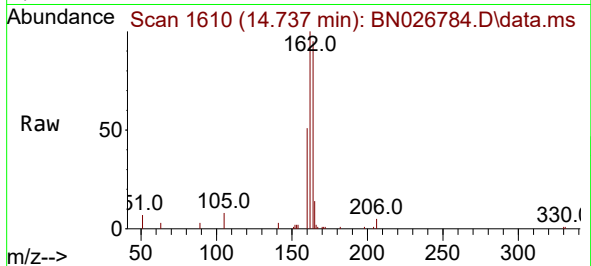




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. -0.011 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

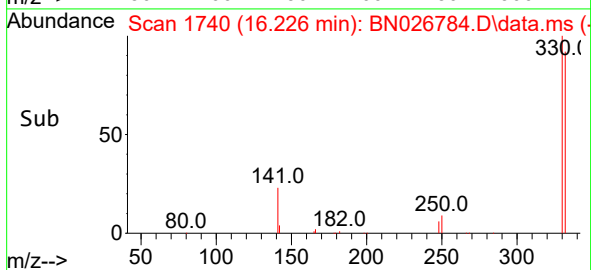
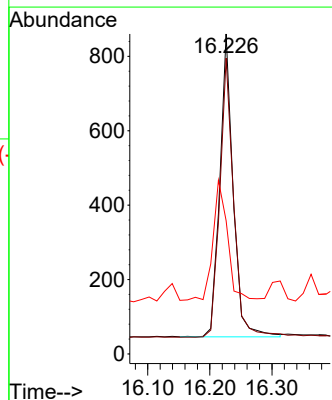
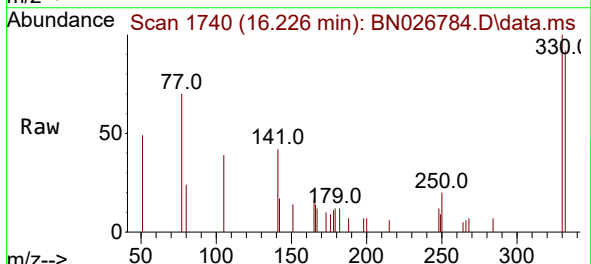
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

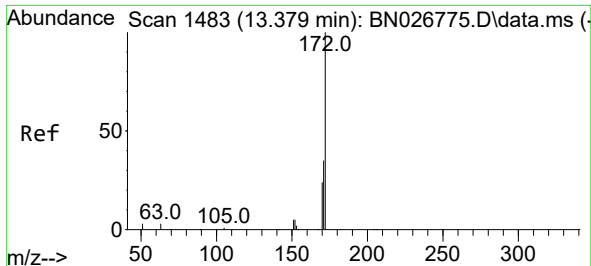
Tgt Ion:164 Resp: 10853
Ion Ratio Lower Upper
164 100
162 104.8 83.0 124.6
160 53.3 40.8 61.2



#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 16.226 min Scan# 1740
Delta R.T. -0.000 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion:330 Resp: 1214
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.6
141 42.2 34.8 52.2

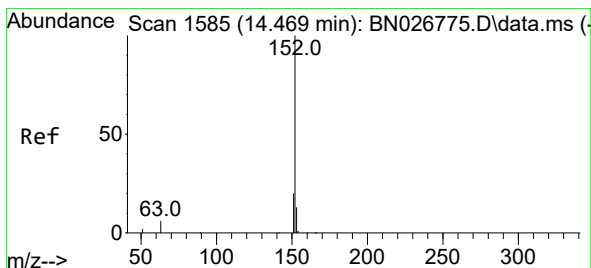
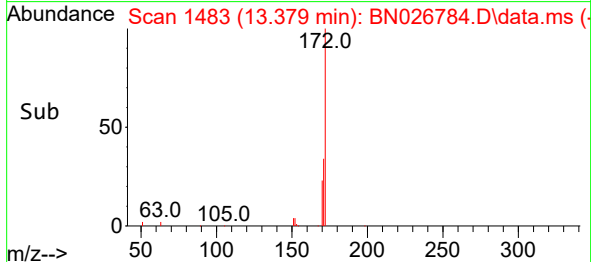
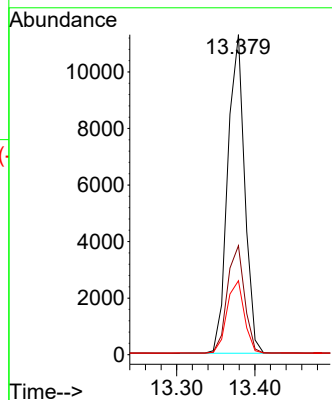
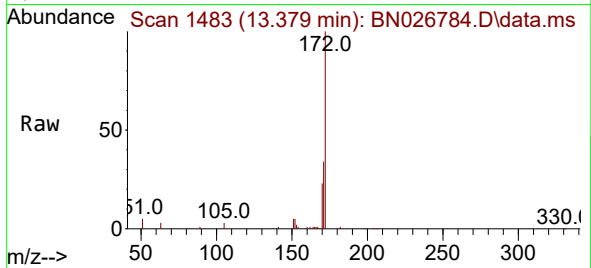




#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 13.379 min Scan# 1483
Delta R.T. -0.000 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

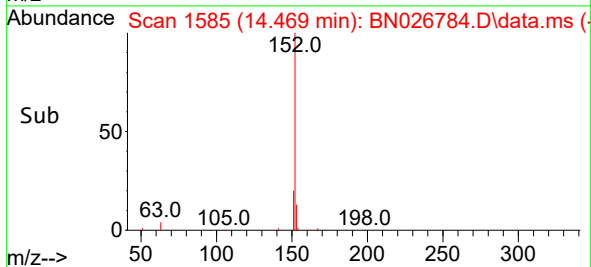
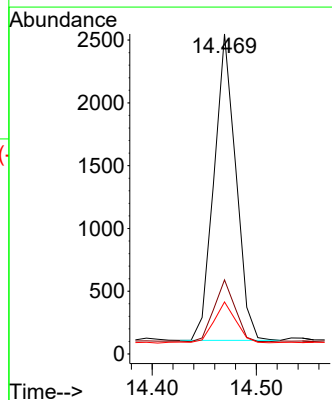
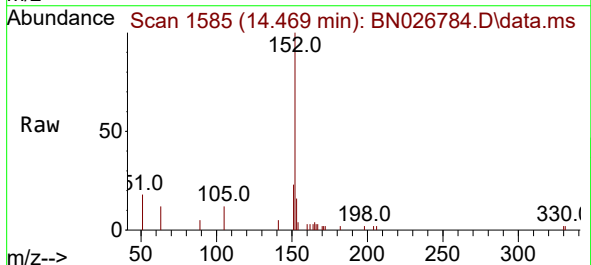
Instrument :
BNA_N
ClientSampleId :
GWRB-04-475-500-073123

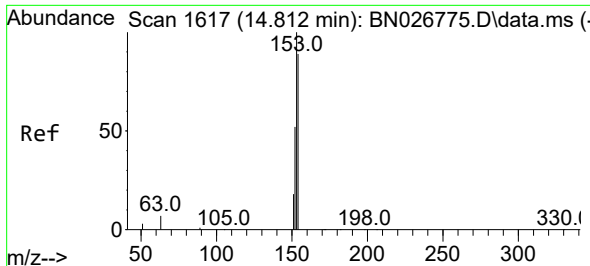
Tgt Ion:172 Resp: 16897
Ion Ratio Lower Upper
172 100
171 34.0 28.0 42.0
170 23.1 19.2 28.8



#16
Acenaphthylene
Concen: 0.066 ng
RT: 14.469 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion:152 Resp: 3556
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 14.0 10.5 15.7

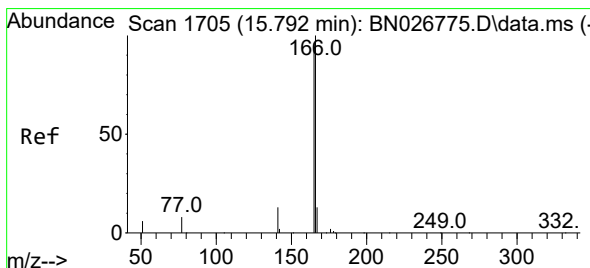
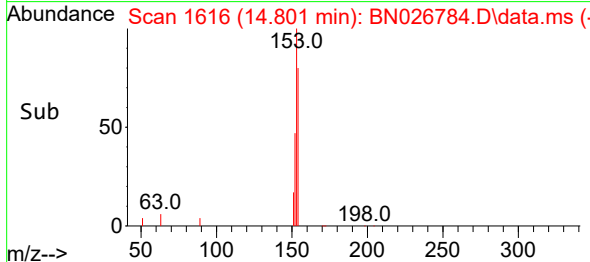
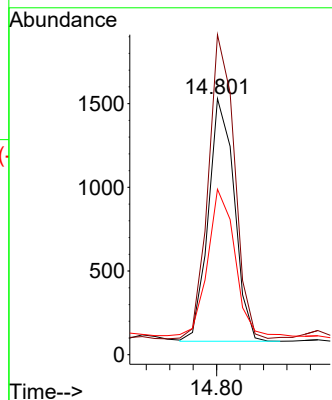
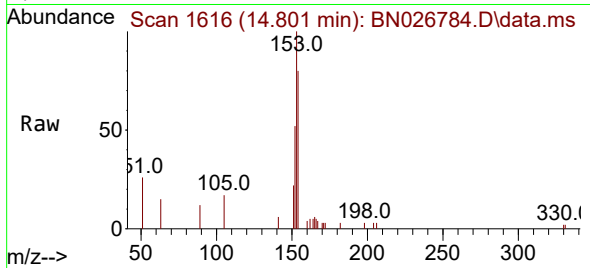




#17
Acenaphthene
Concen: 0.066 ng
RT: 14.801 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

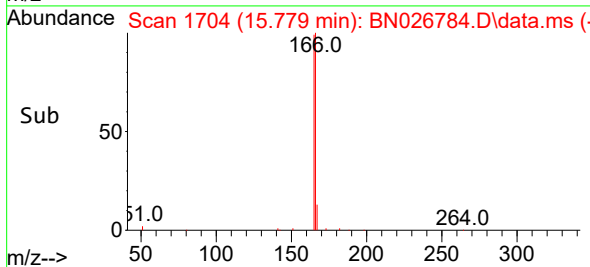
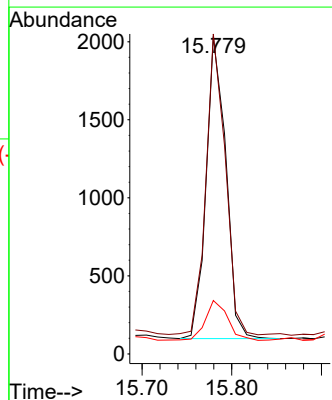
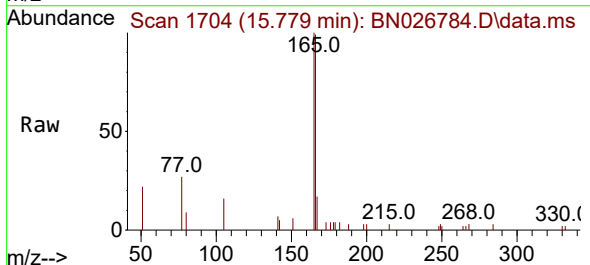
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

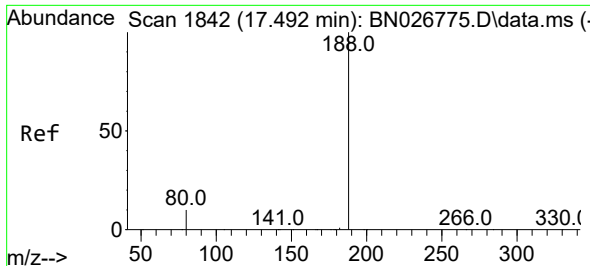
Tgt Ion:154 Resp: 2229
Ion Ratio Lower Upper
154 100
153 126.2 90.0 135.0
152 66.1 48.6 73.0



#18
Fluorene
Concen: 0.067 ng
RT: 15.779 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion:166 Resp: 2945
Ion Ratio Lower Upper
166 100
165 98.7 79.0 118.6
167 14.9 10.9 16.3

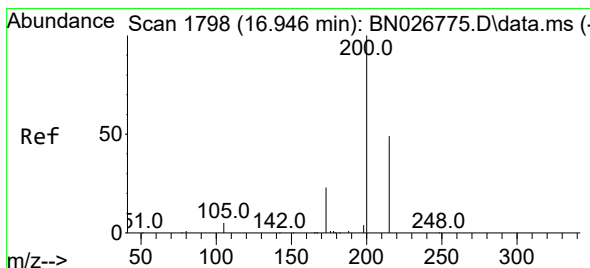
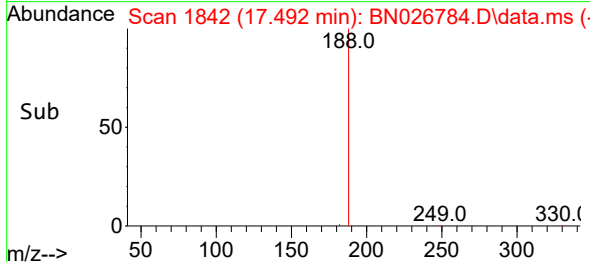
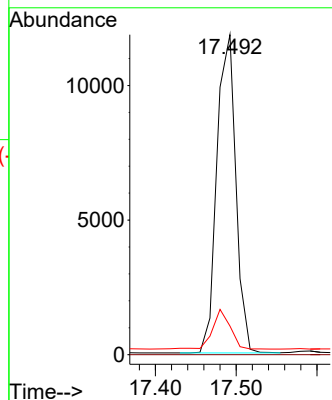
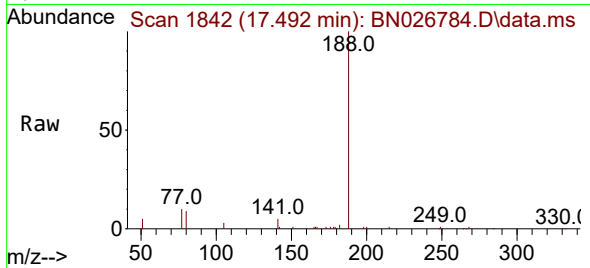




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.492 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

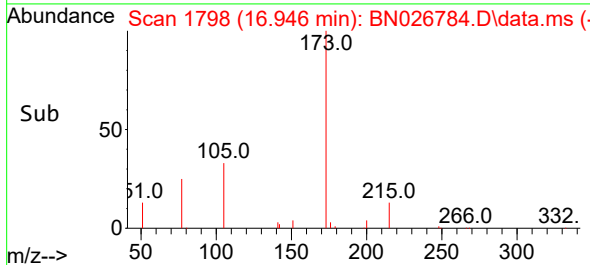
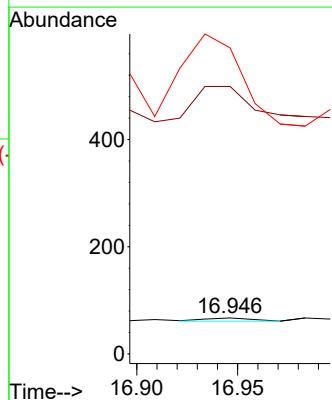
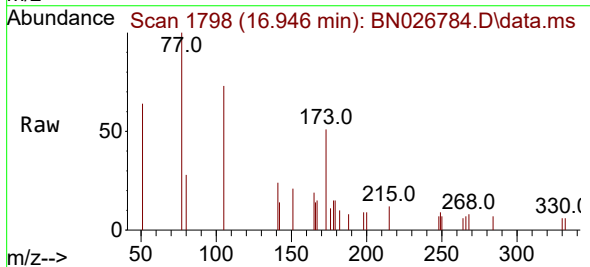
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

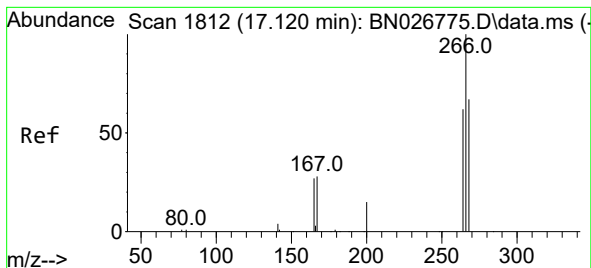
Tgt Ion:188 Resp: 19340
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.9 8.0 12.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.032 ng
RT: 16.946 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 744.8 150.5 225.7#
105 852.2 165.0 247.6#





#24

Pentachlorophenol

Concen: 0.022 ng

RT: 17.108 min Scan# 1811

Delta R.T. -0.012 min

Lab File: BN026784.D

Acq: 01 Aug 2023 15:05

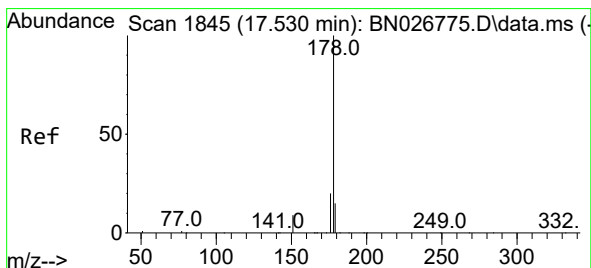
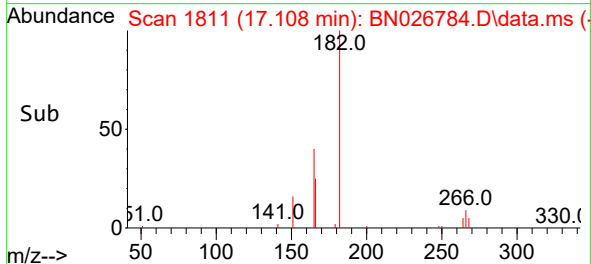
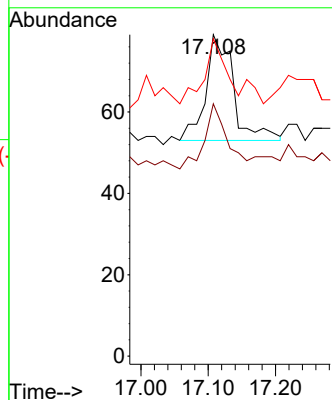
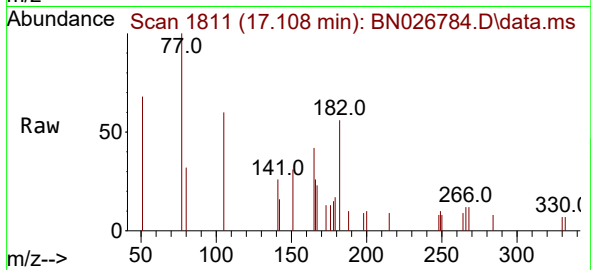
Instrument :

BNA_N

ClientSampleId :

GWBR-04-475-500-073123

Tgt Ion:266	Resp:	74
Ion Ratio	Lower	Upper
266	100	
264	50.0	50.8 76.2#
268	48.6	50.8 76.2#



#25

Phenanthrene

Concen: 0.187 ng

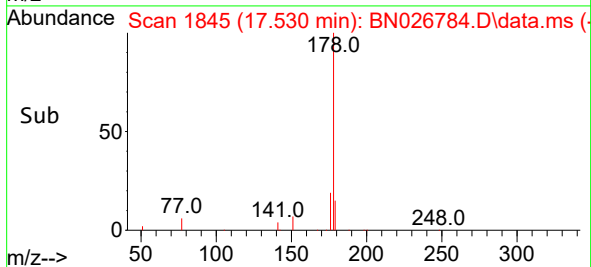
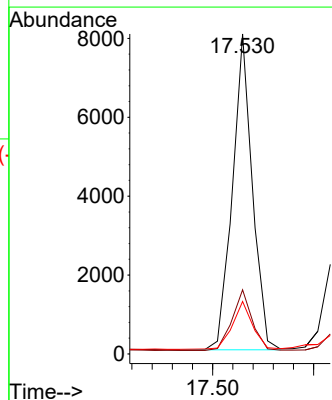
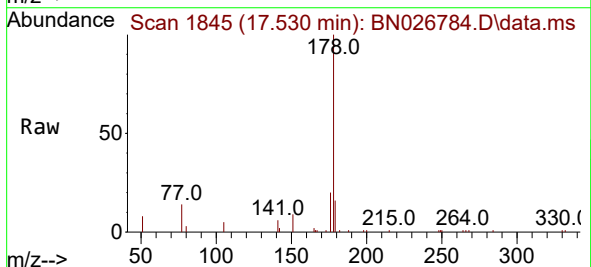
RT: 17.530 min Scan# 1845

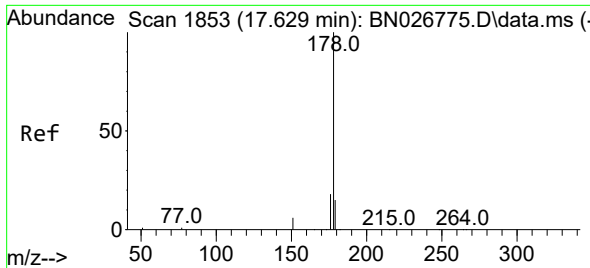
Delta R.T. -0.000 min

Lab File: BN026784.D

Acq: 01 Aug 2023 15:05

Tgt Ion:178	Resp:	11002
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.4 23.0
179	15.3	12.2 18.2

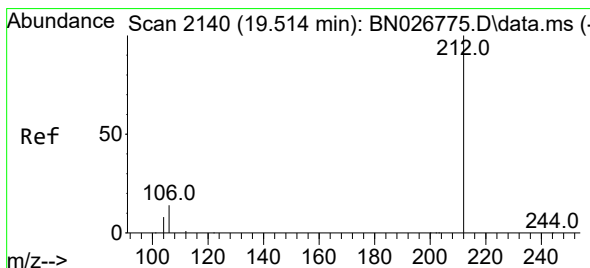
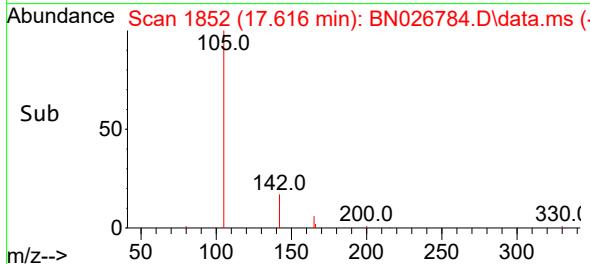
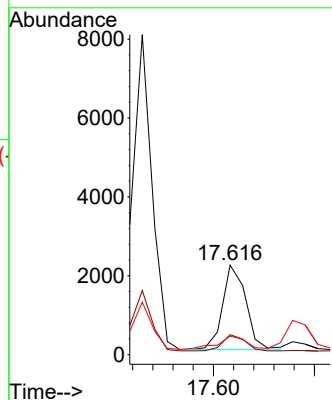
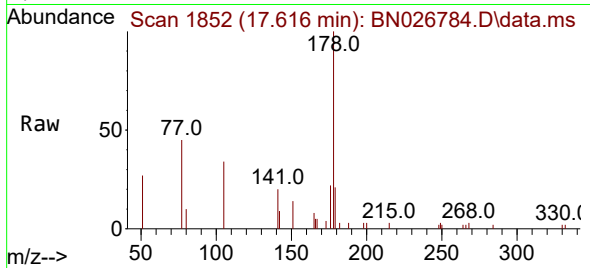




#26
 Anthracene
 Concen: 0.066 ng
 RT: 17.616 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN026784.D
 Acq: 01 Aug 2023 15:05

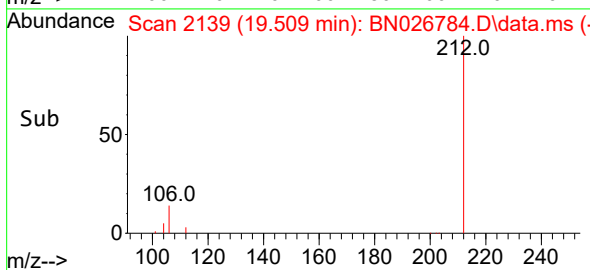
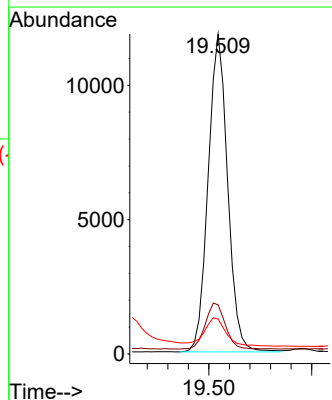
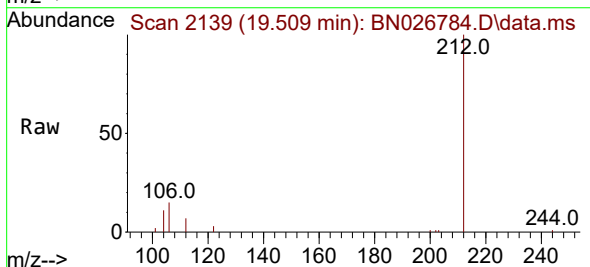
Instrument :
 BNA_N
 ClientSampleId :
 GWBR-04-475-500-073123

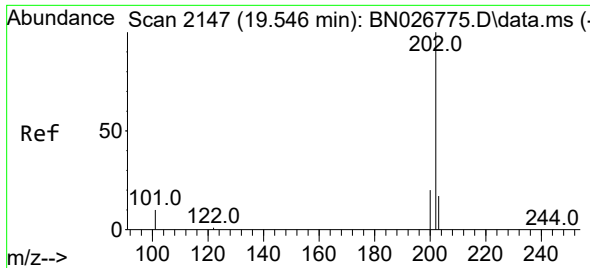
Tgt Ion:178 Resp: 3448
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 19.1 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.335 ng
 RT: 19.509 min Scan# 2139
 Delta R.T. -0.005 min
 Lab File: BN026784.D
 Acq: 01 Aug 2023 15:05

Tgt Ion:212 Resp: 15539
 Ion Ratio Lower Upper
 212 100
 106 14.9 11.7 17.5
 104 10.1 6.4 9.6#

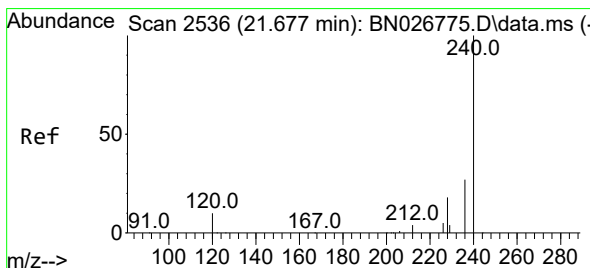
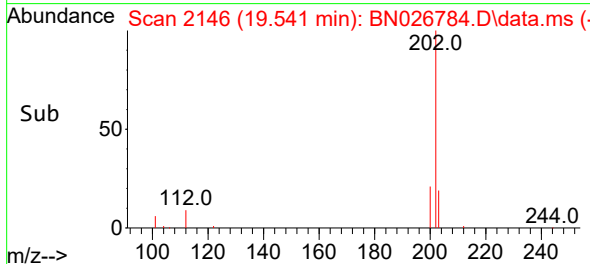
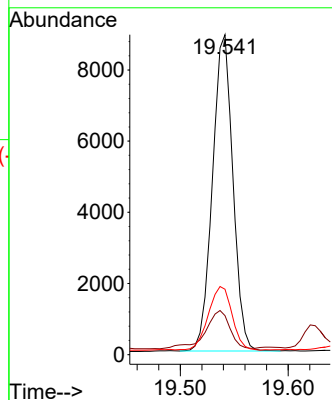
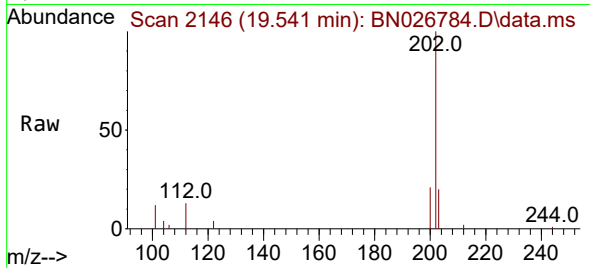




#28
Fluoranthene
Concen: 0.179 ng
RT: 19.541 min Scan# 2147
Delta R.T. -0.005 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

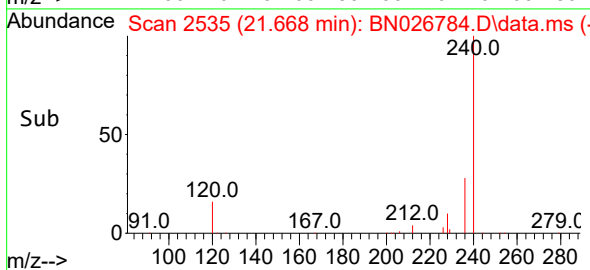
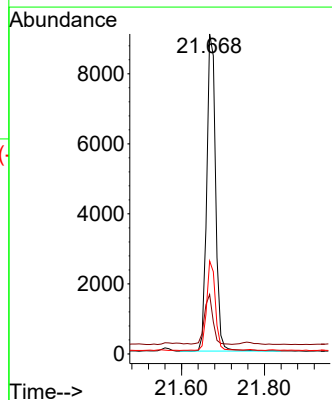
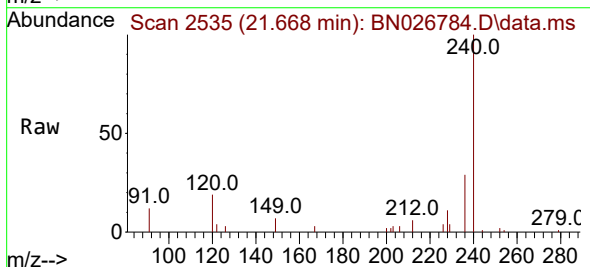
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

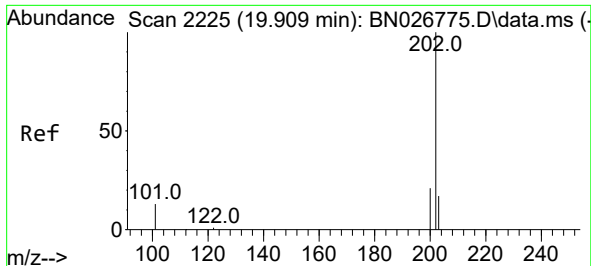
Tgt Ion:202 Resp: 11695
Ion Ratio Lower Upper
202 100
101 14.4 9.2 13.8#
203 23.4 13.7 20.5#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.668 min Scan# 2535
Delta R.T. -0.009 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion:240 Resp: 13449
Ion Ratio Lower Upper
240 100
120 18.6 9.2 13.8#
236 29.0 21.9 32.9

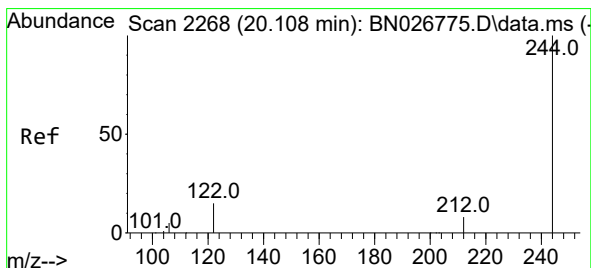
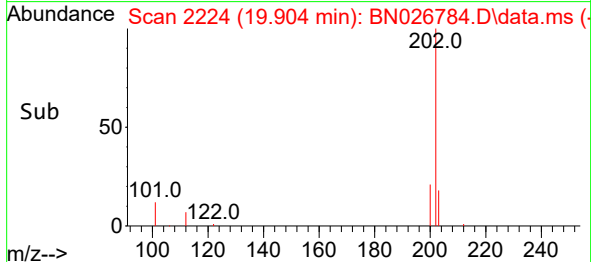
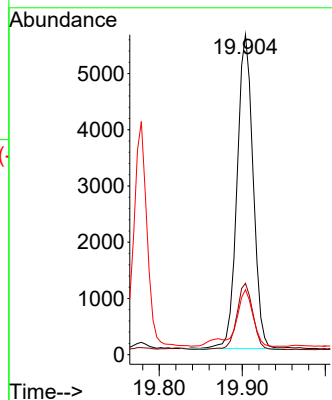
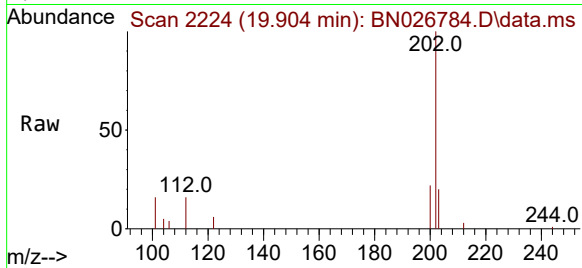




#30
 Pyrene
 Concen: 0.129 ng
 RT: 19.904 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BN026784.D
 Acq: 01 Aug 2023 15:05

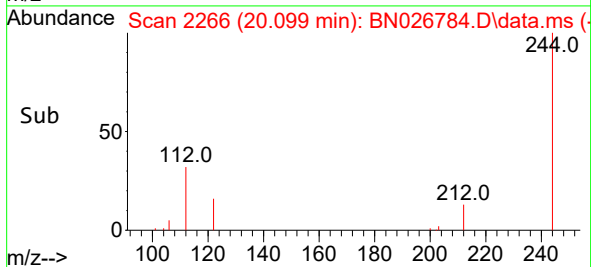
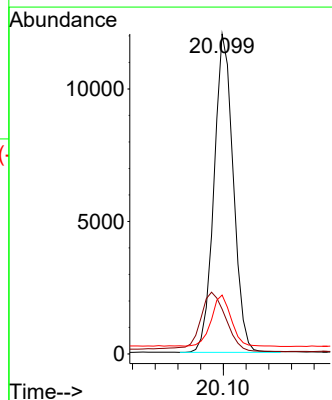
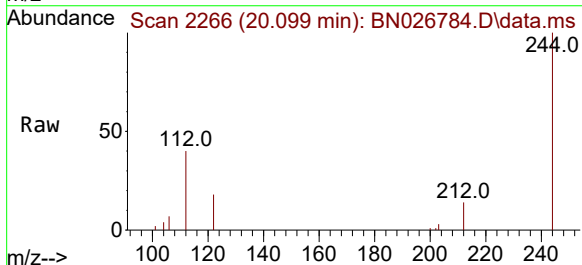
Instrument :
 BNA_N
 ClientSampleId :
 GWBR-04-475-500-073123

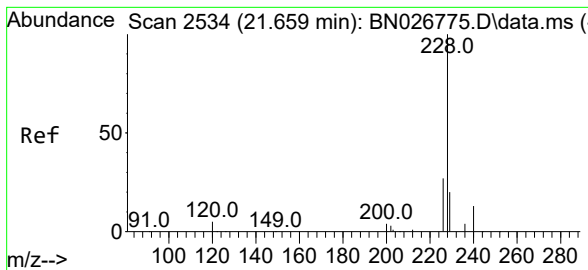
Tgt Ion:202 Resp: 7494
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.8 25.2
 203 17.3 14.2 21.2



#31
 Terphenyl-d14
 Concen: 0.504 ng
 RT: 20.099 min Scan# 2266
 Delta R.T. -0.009 min
 Lab File: BN026784.D
 Acq: 01 Aug 2023 15:05

Tgt Ion:244 Resp: 14124
 Ion Ratio Lower Upper
 244 100
 212 14.0 7.0 10.4#
 122 18.4 12.3 18.5

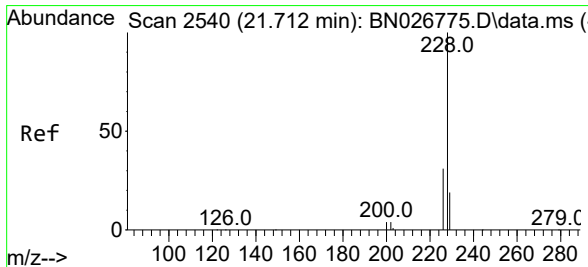
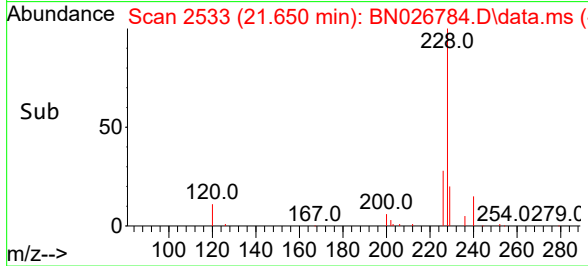
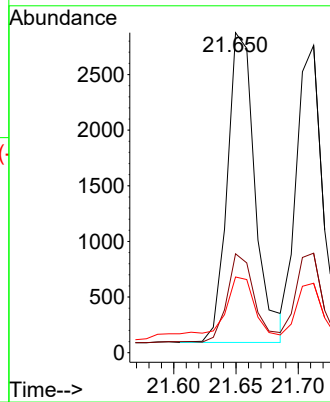
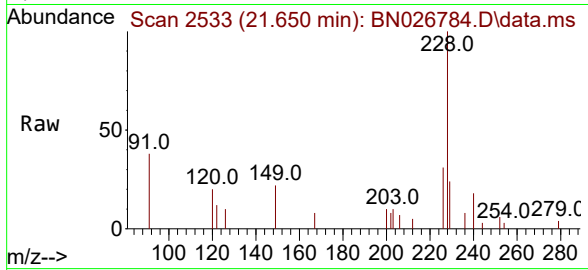




#32
Benzo(a)anthracene
Concen: 0.094 ng
RT: 21.650 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

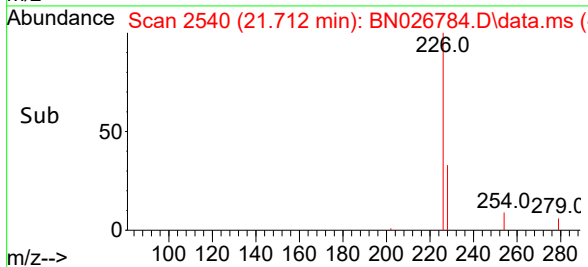
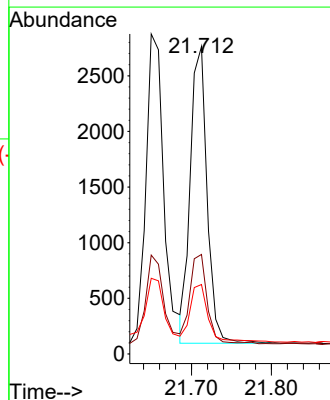
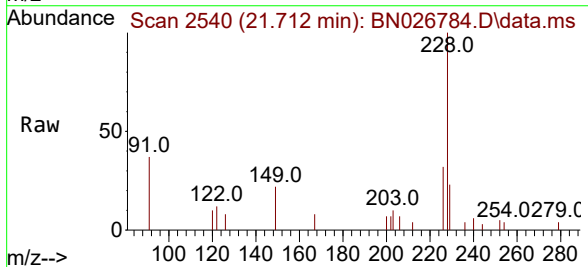
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

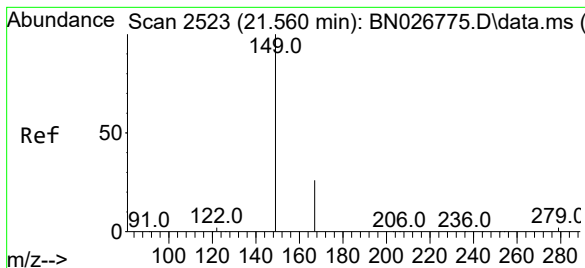
Tgt Ion:228 Resp: 4332
Ion Ratio Lower Upper
228 100
226 30.9 21.9 32.9
229 23.6 15.8 23.8



#33
Chrysene
Concen: 0.076 ng
RT: 21.712 min Scan# 2540
Delta R.T. -0.000 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion:228 Resp: 3905
Ion Ratio Lower Upper
228 100
226 32.4 24.6 36.8
229 22.6 15.4 23.2

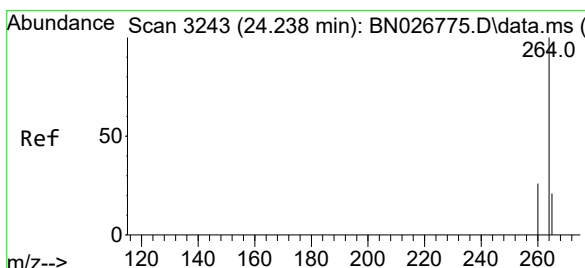
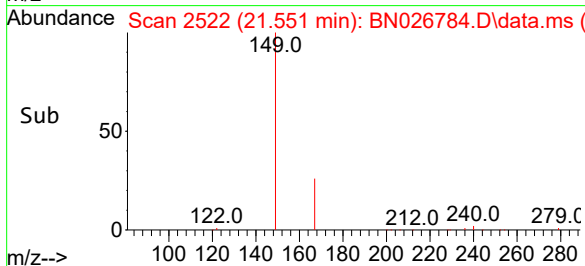
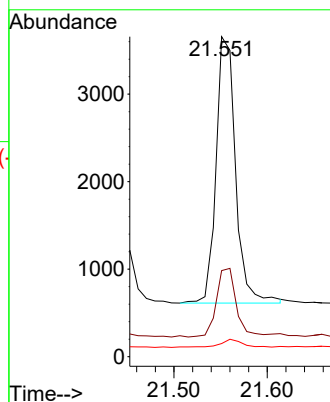
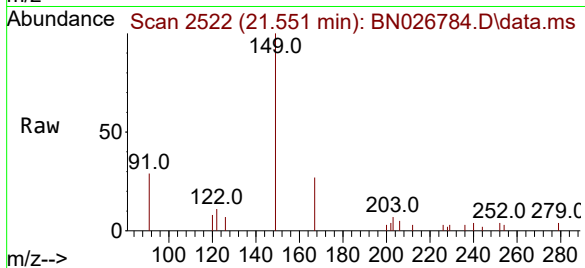




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.289 ng
RT: 21.551 min Scan# 21551
Delta R.T. -0.009 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

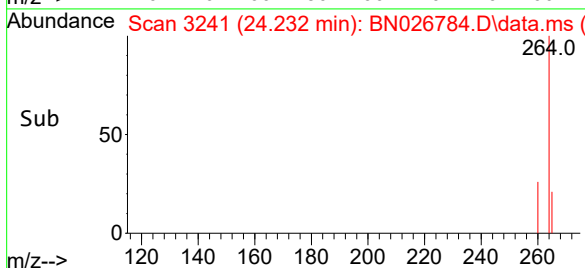
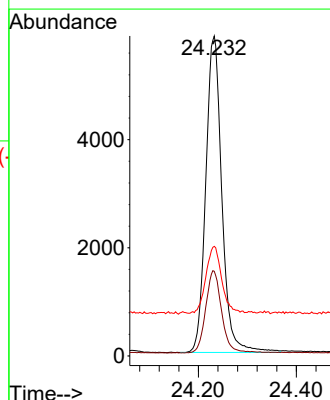
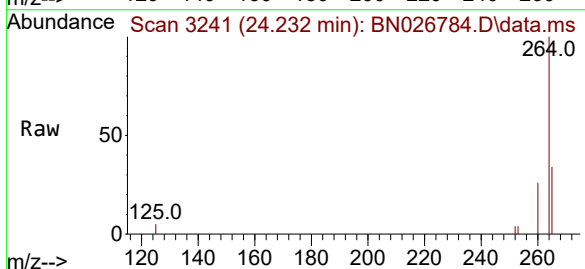
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

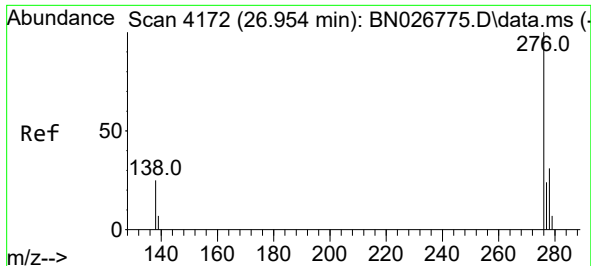
Tgt Ion:149 Resp: 4419
Ion Ratio Lower Upper
149 100
167 26.9 20.8 31.2
279 3.7 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.232 min Scan# 3241
Delta R.T. -0.006 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion:264 Resp: 13305
Ion Ratio Lower Upper
264 100
260 26.4 21.0 31.6
265 34.2 22.6 33.8#

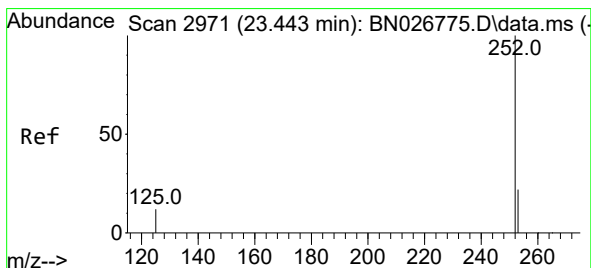
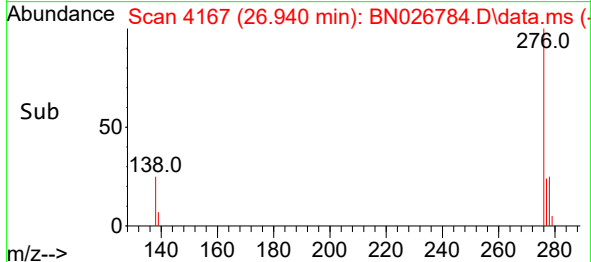
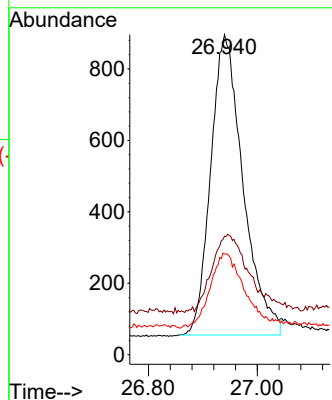
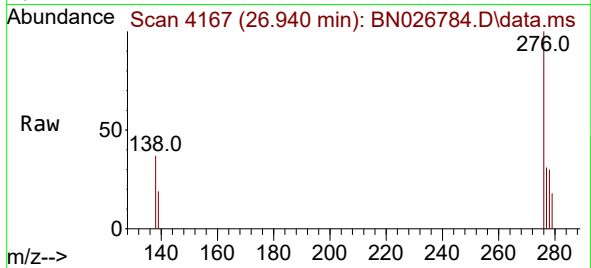




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.064 ng
RT: 26.940 min Scan# 4172
Delta R.T. -0.015 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

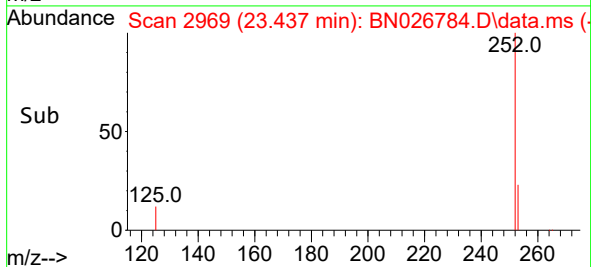
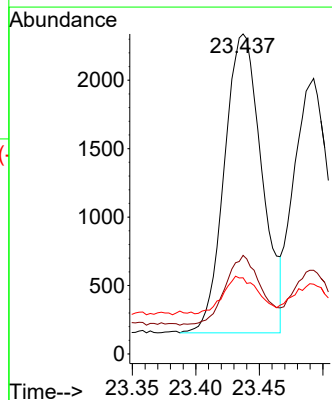
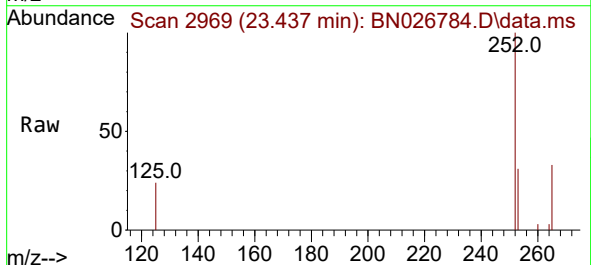
Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

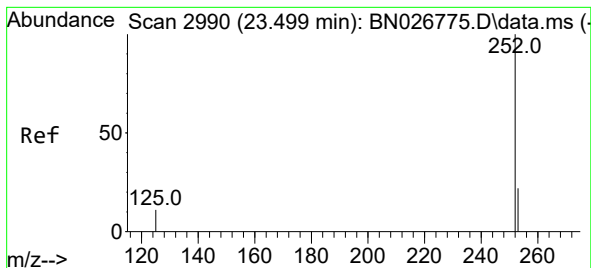
Tgt Ion:276 Resp: 3466
Ion Ratio Lower Upper
276 100
138 27.1 22.8 34.2
277 25.1 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 0.086 ng
RT: 23.437 min Scan# 2969
Delta R.T. -0.006 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion:252 Resp: 4480
Ion Ratio Lower Upper
252 100
253 30.8 17.8 26.8#
125 23.8 10.8 16.2#





#38

Benzo(k)fluoranthene

Concen: 0.068 ng

RT: 23.493 min Scan# 2990

Delta R.T. -0.006 min

Lab File: BN026784.D

Acq: 01 Aug 2023 15:05

Instrument :

BNA_N

ClientSampleId :

GWBR-04-475-500-073123

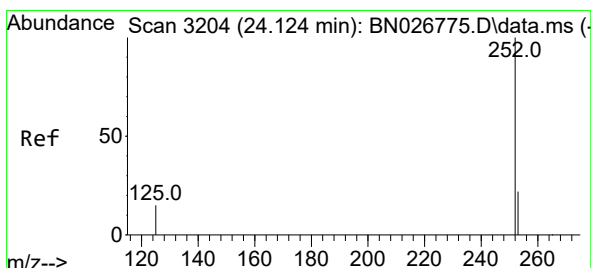
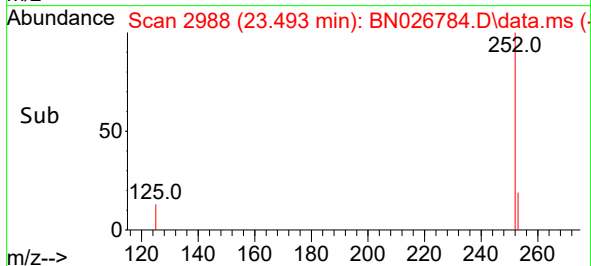
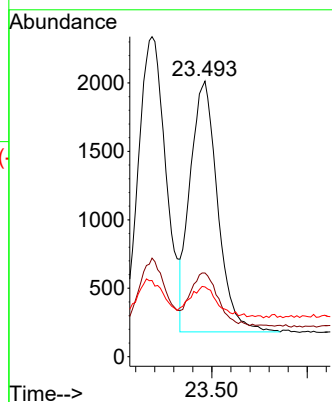
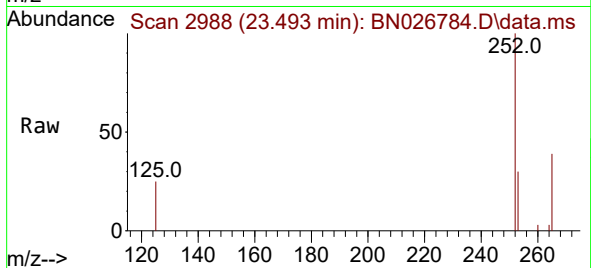
Tgt Ion:252 Resp: 3680

Ion Ratio Lower Upper

252 100

253 30.4 18.0 27.0#

125 25.3 9.4 14.2#



#39

Benzo(a)pyrene

Concen: 0.070 ng

RT: 24.115 min Scan# 3201

Delta R.T. -0.009 min

Lab File: BN026784.D

Acq: 01 Aug 2023 15:05

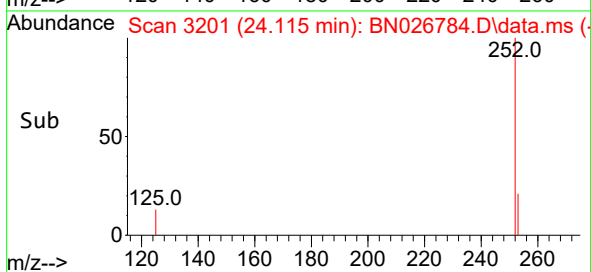
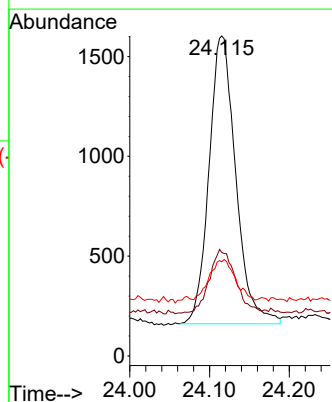
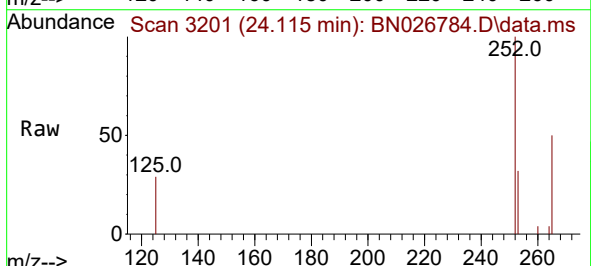
Tgt Ion:252 Resp: 3365

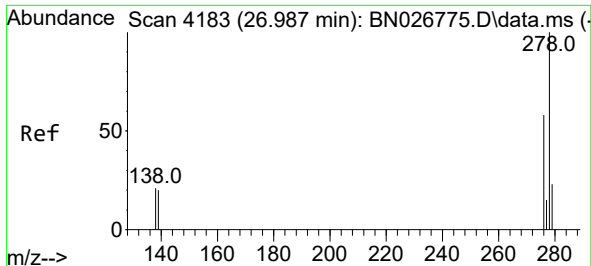
Ion Ratio Lower Upper

252 100

253 32.4 18.5 27.7#

125 29.4 12.7 19.1#

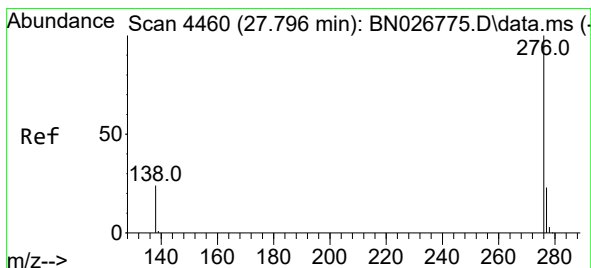
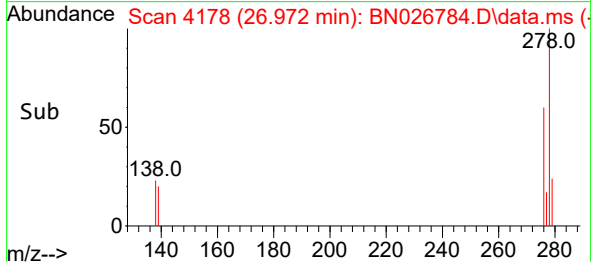
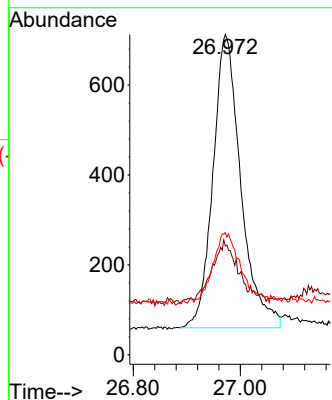
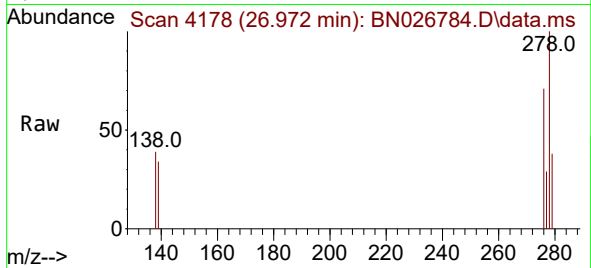




#40
Dibenzo(a,h)anthracene
Concen: 0.056 ng
RT: 26.972 min Scan# 41
Delta R.T. -0.015 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Instrument :
BNA_N
ClientSampleId :
GWBR-04-475-500-073123

Tgt Ion:278 Resp: 2359
Ion Ratio Lower Upper
278 100
139 34.0 16.8 25.2#
279 38.2 19.5 29.3#



#41
Benzo(g,h,i)perylene
Concen: 0.061 ng
RT: 27.782 min Scan# 4455
Delta R.T. -0.015 min
Lab File: BN026784.D
Acq: 01 Aug 2023 15:05

Tgt Ion:276 Resp: 3034
Ion Ratio Lower Upper
276 100
277 31.3 19.1 28.7#
138 37.6 19.8 29.6#

