

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
 Data File : BN026834.D
 Acq On : 07 Aug 2023 17:07
 Operator : MA/JU
 Sample : 03909-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20230803

Quant Time: Aug 08 00:50:56 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

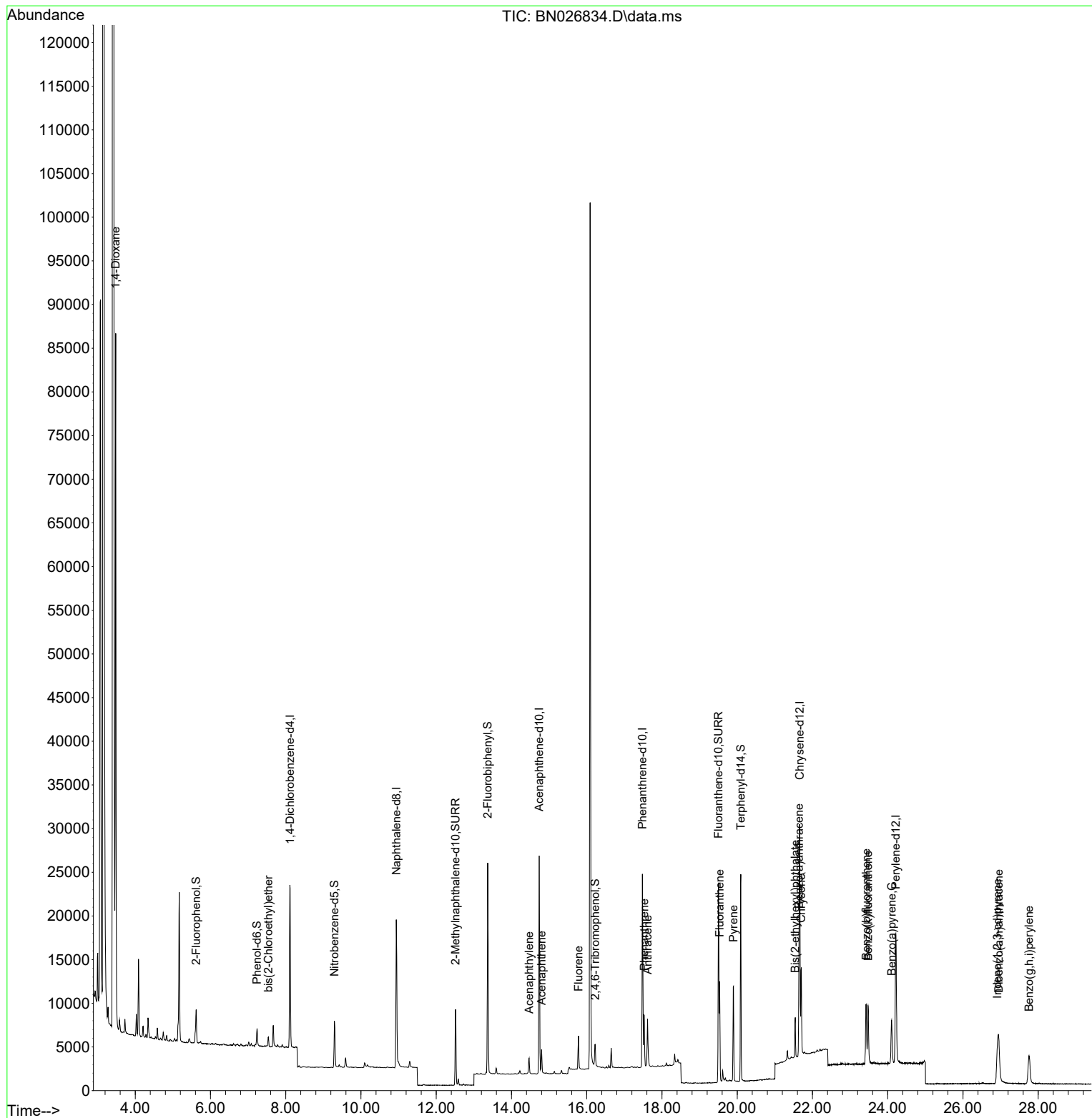
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	9068	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	24153	0.400	ng	-0.01
13) Acenaphthene-d10	14.737	164	13728	0.400	ng	-0.01
19) Phenanthrene-d10	17.480	188	29160	0.400	ng	-0.01
29) Chrysene-d12	21.659	240	22671	0.400	ng	#-0.02
35) Perylene-d12	24.215	264	23749	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	3045	0.133	ng	0.00
5) Phenol-d6	7.235	99	1940	0.065	ng	0.00
8) Nitrobenzene-d5	9.294	82	4646	0.325	ng	-0.01
11) 2-Methylnaphthalene-d10	12.513	152	11886	0.343	ng	-0.01
14) 2,4,6-Tribromophenol	16.226	330	1728	0.370	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	20687	0.369	ng	-0.01
27) Fluoranthene-d10	19.504	212	25149	0.359	ng	0.00
31) Terphenyl-d14	20.094	244	23540	0.498	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.480	88	48640	4.595	ng	95
6) bis(2-Chloroethyl)ether	7.539	93	858	0.032	ng	98
16) Acenaphthylene	14.469	152	2656	0.039	ng	98
17) Acenaphthene	14.801	154	1312	0.031	ng	98
18) Fluorene	15.779	166	2887	0.052	ng	97
25) Phenanthrene	17.530	178	7259	0.082	ng	99
26) Anthracene	17.617	178	6121	0.077	ng	# 95
28) Fluoranthene	19.532	202	9755	0.099	ng	99
30) Pyrene	19.899	202	10065	0.103	ng	99
32) Benzo(a)anthracene	21.641	228	9511	0.122	ng	97
33) Chrysene	21.703	228	9327	0.108	ng	98
34) Bis(2-ethylhexyl)phtha...	21.542	149	4700	0.182	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.916	276	10554	0.109	ng	97
37) Benzo(b)fluoranthene	23.425	252	10075	0.108	ng	# 89
38) Benzo(k)fluoranthene	23.478	252	9745	0.102	ng	# 87
39) Benzo(a)pyrene	24.104	252	8218	0.096	ng	# 85
40) Dibenzo(a,h)anthracene	26.951	278	8434	0.112	ng	92
41) Benzo(g,h,i)perylene	27.758	276	8336	0.094	ng	92

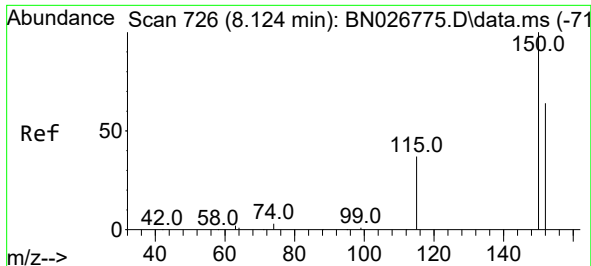
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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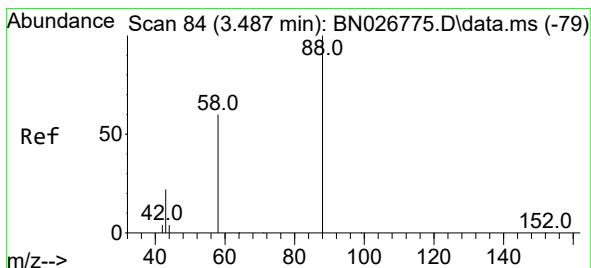
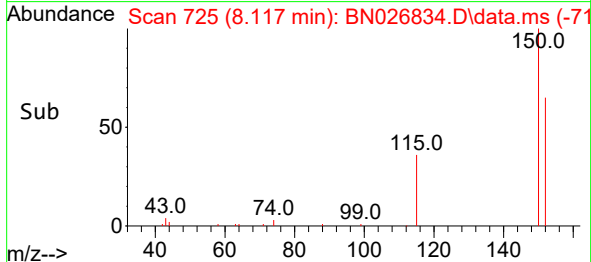
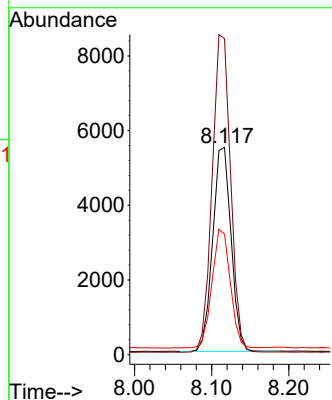
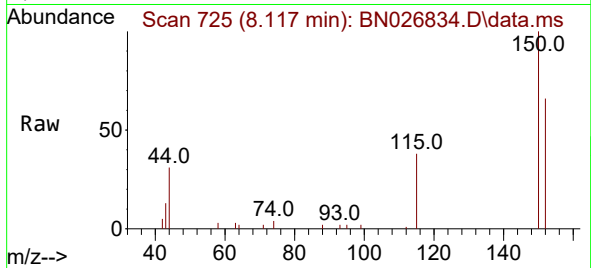




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.117 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: BN026834.D
 Acq: 07 Aug 2023 17:07

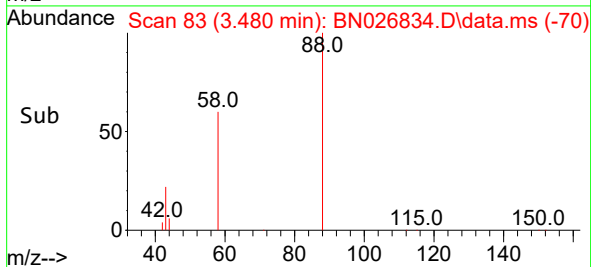
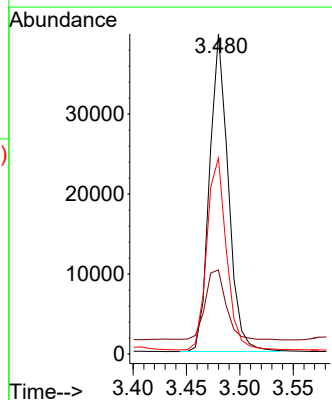
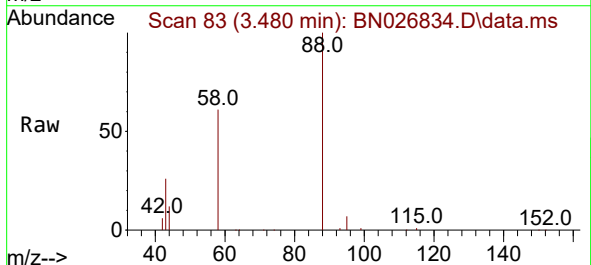
Instrument :
 BNA_N
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 SP-100-20230803

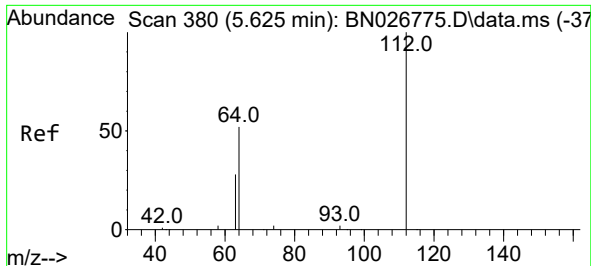
Tgt Ion:152 Resp: 9068
 Ion Ratio Lower Upper
 152 100
 150 152.4 123.8 185.8
 115 58.1 48.0 72.0



#2
 1,4-Dioxane
 Concen: 4.595 ng
 RT: 3.480 min Scan# 83
 Delta R.T. -0.007 min
 Lab File: BN026834.D
 Acq: 07 Aug 2023 17:07

Tgt Ion: 88 Resp: 48640
 Ion Ratio Lower Upper
 88 100
 43 24.5 21.7 32.5
 58 63.0 53.3 79.9

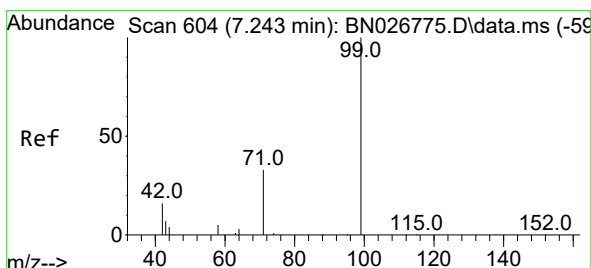
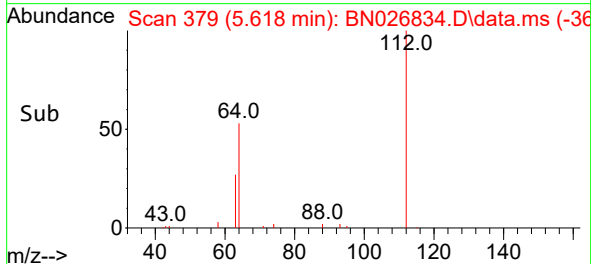
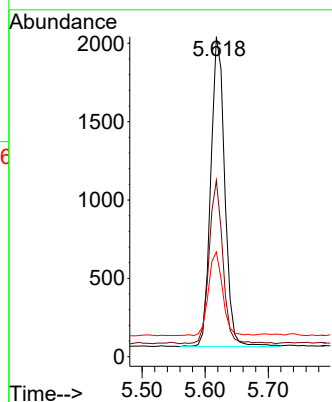
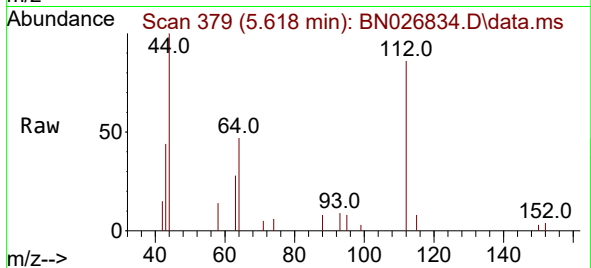




#4
2-Fluorophenol
Concen: 0.133 ng
RT: 5.618 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

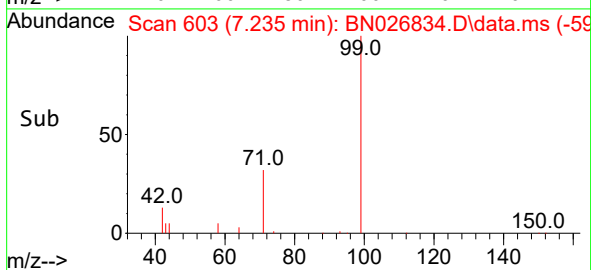
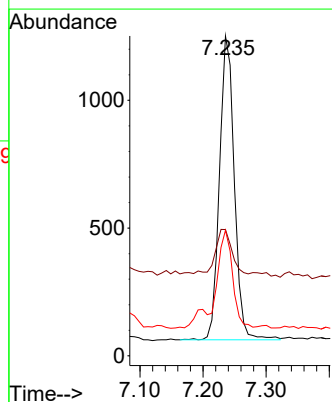
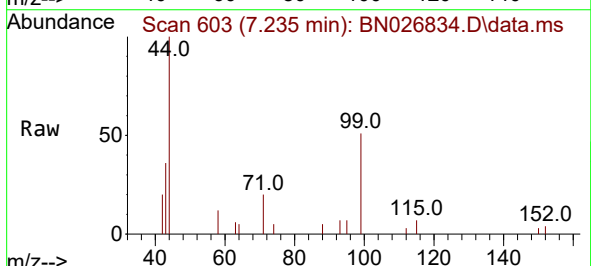
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ClientSampleId :
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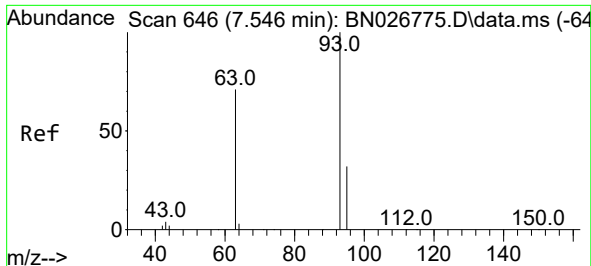
Tgt Ion:112 Resp: 3045
Ion Ratio Lower Upper
112 100
64 51.8 42.2 63.2
63 27.2 22.7 34.1



#5
Phenol-d6
Concen: 0.065 ng
RT: 7.235 min Scan# 603
Delta R.T. -0.007 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

Tgt Ion: 99 Resp: 1940
Ion Ratio Lower Upper
99 100
42 15.6 14.6 22.0
71 37.8 26.6 40.0

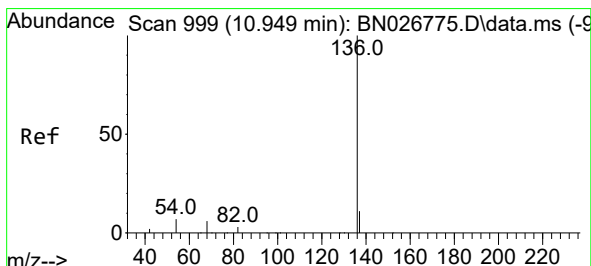
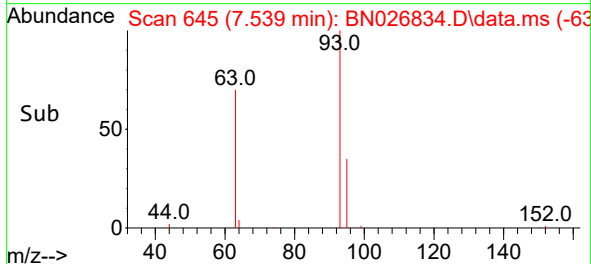
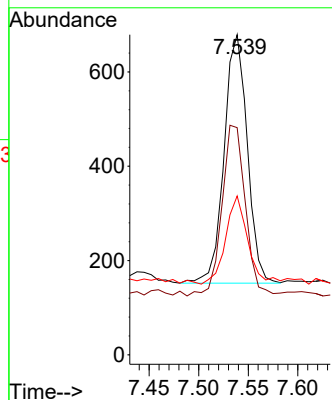
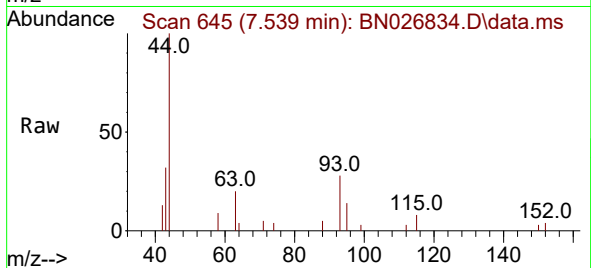




#6
bis(2-Chloroethyl)ether
Concen: 0.032 ng
RT: 7.539 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

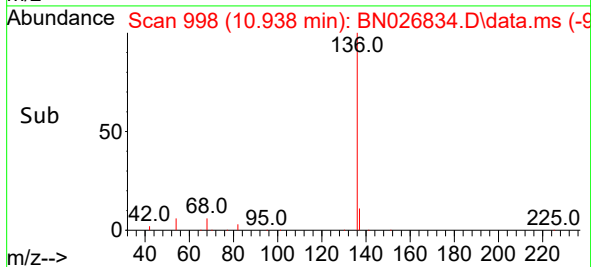
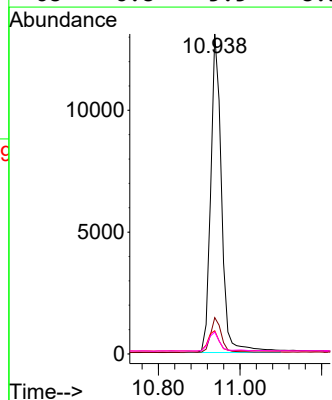
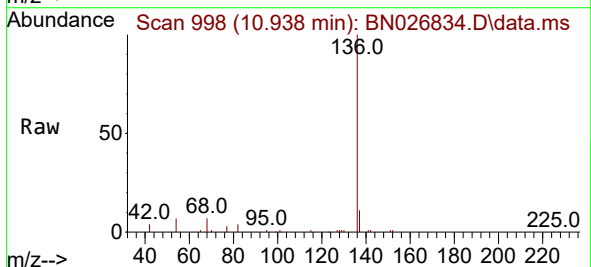
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ClientSampleId :
SP-100-20230803

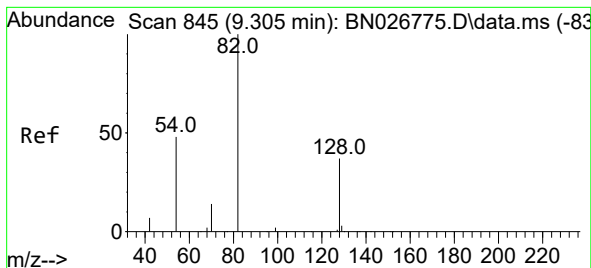
Tgt Ion: 93 Resp: 858
Ion Ratio Lower Upper
93 100
63 69.5 56.7 85.1
95 33.8 25.9 38.9



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.011 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

Tgt Ion:136 Resp: 24153
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 7.3 6.2 9.2
68 6.8 5.5 8.3

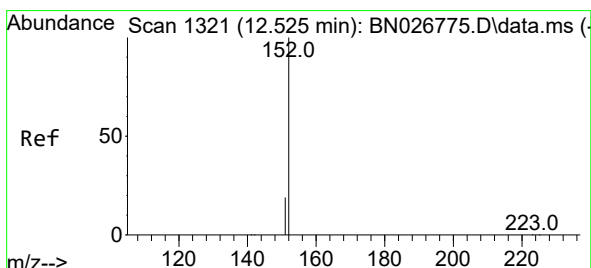
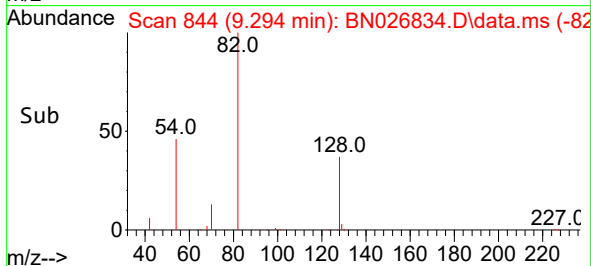
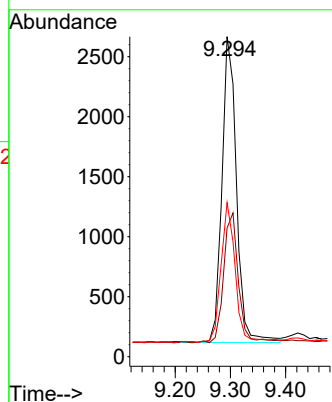
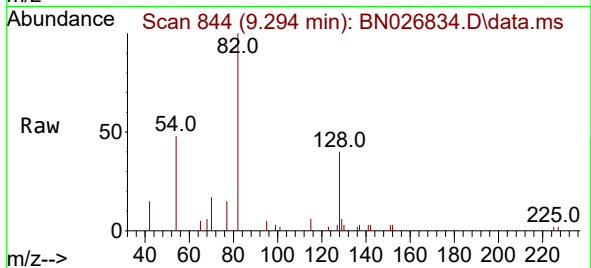




#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.011 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

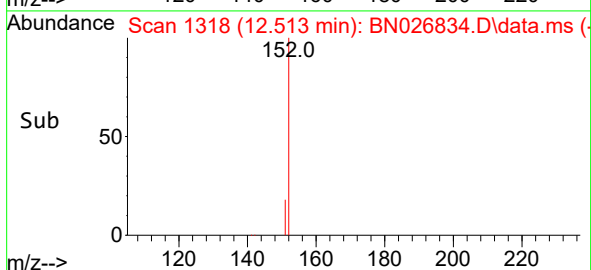
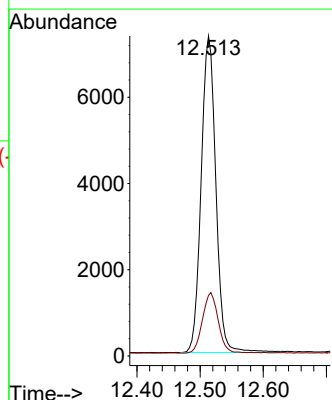
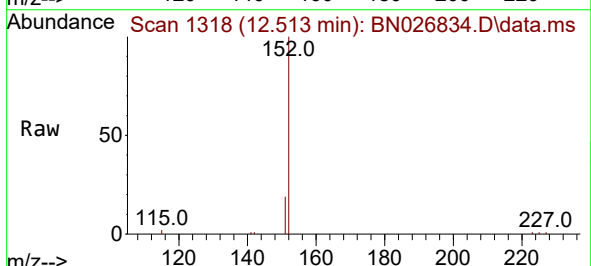
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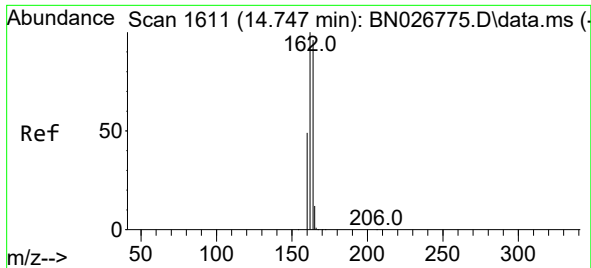
Tgt Ion: 82 Resp: 4646
Ion Ratio Lower Upper
82 100
128 40.2 30.5 45.7
54 48.2 39.4 59.2



#11
2-Methylnaphthalene-d10
Concen: 0.343 ng
RT: 12.513 min Scan# 1318
Delta R.T. -0.011 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

Tgt Ion: 152 Resp: 11886
Ion Ratio Lower Upper
152 100
151 20.3 16.5 24.7

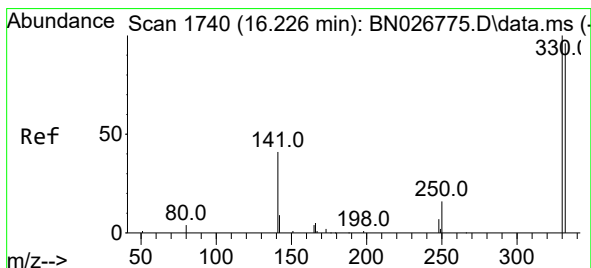
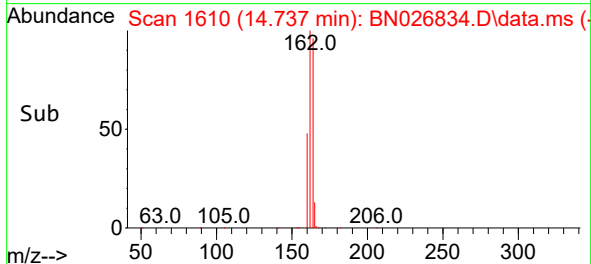
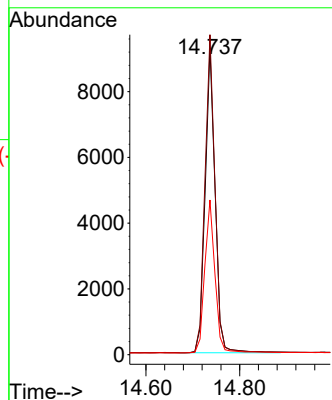
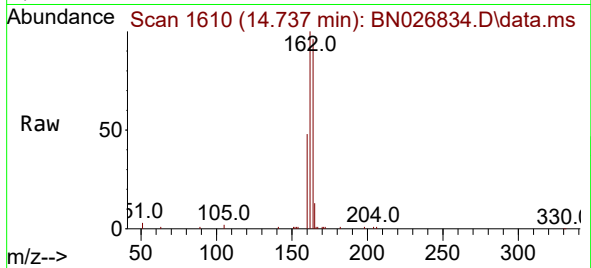




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. -0.011 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

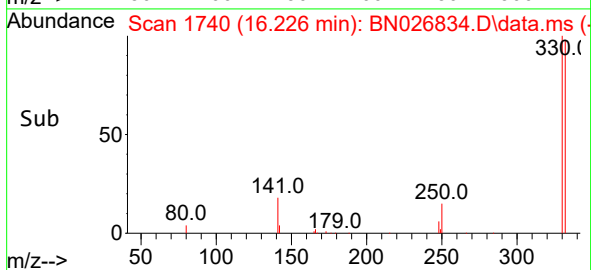
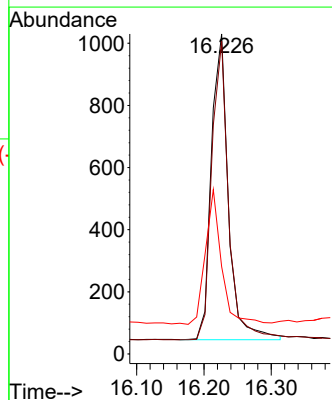
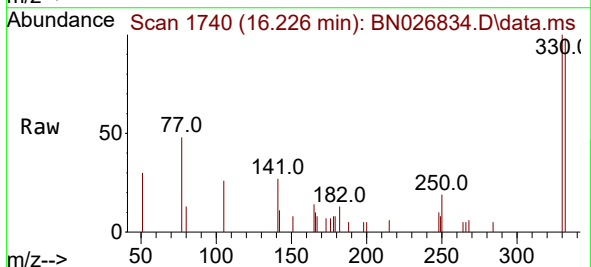
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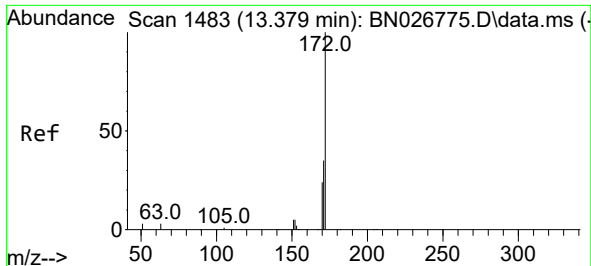
Tgt Ion:164 Resp: 13728
Ion Ratio Lower Upper
164 100
162 104.2 83.0 124.6
160 50.4 40.8 61.2



#14
2,4,6-Tribromophenol
Concen: 0.370 ng
RT: 16.226 min Scan# 1740
Delta R.T. -0.000 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

Tgt Ion:330 Resp: 1728
Ion Ratio Lower Upper
330 100
332 96.2 77.8 116.6
141 41.0 34.8 52.2

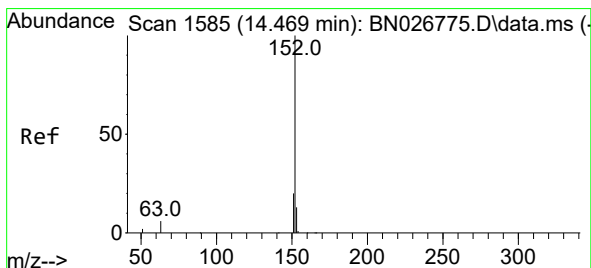
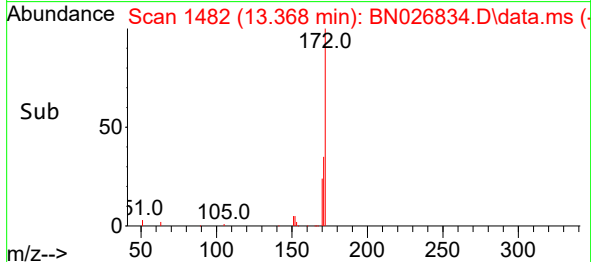
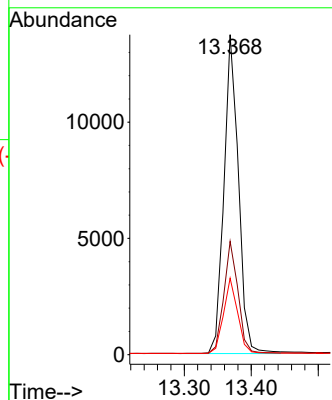
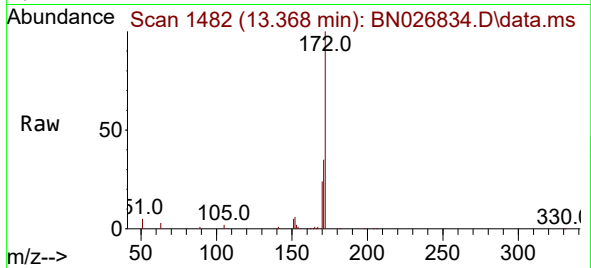




#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

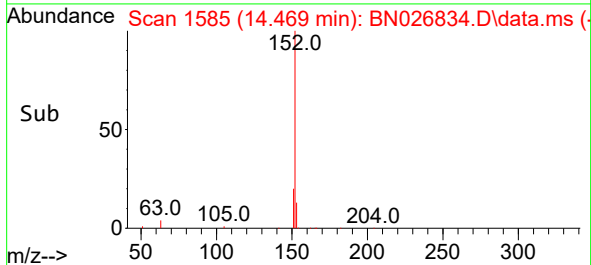
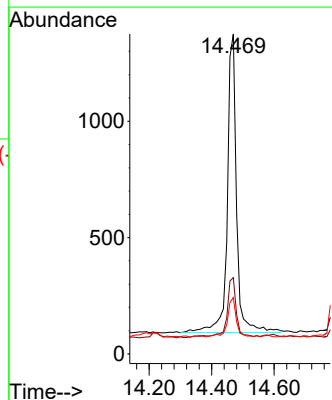
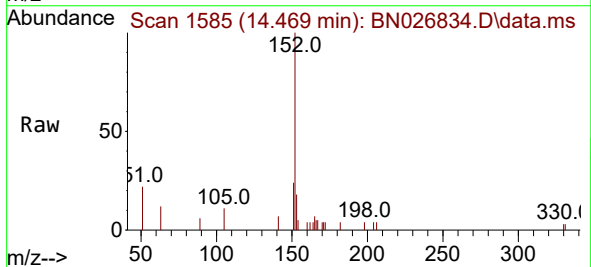
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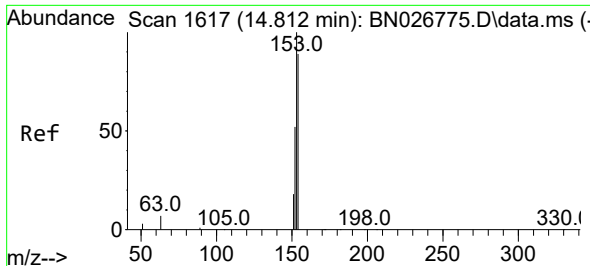
Tgt Ion:172 Resp: 20687
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 23.9 19.2 28.8



#16
Acenaphthylene
Concen: 0.039 ng
RT: 14.469 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

Tgt Ion:152 Resp: 2656
Ion Ratio Lower Upper
152 100
151 20.5 15.7 23.5
153 12.7 10.5 15.7

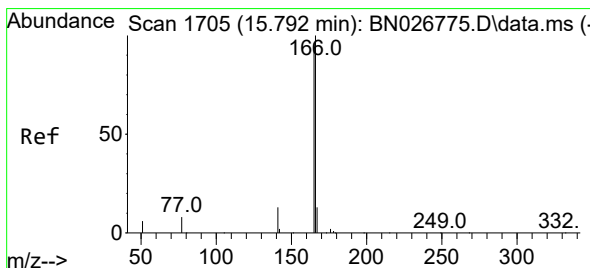
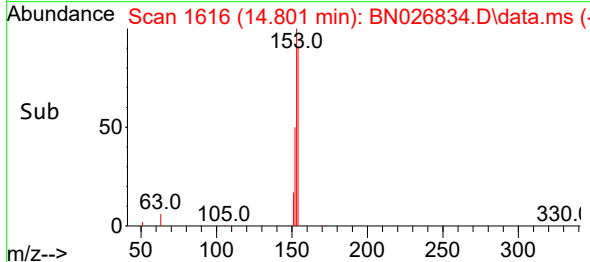
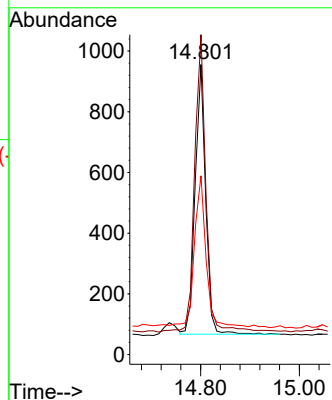
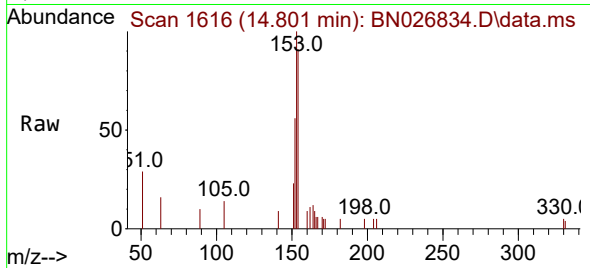




#17
Acenaphthene
Concen: 0.031 ng
RT: 14.801 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

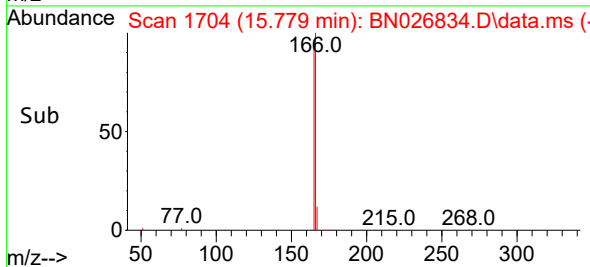
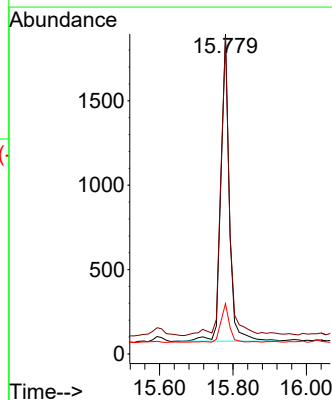
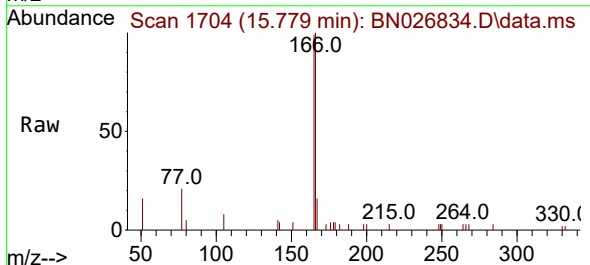
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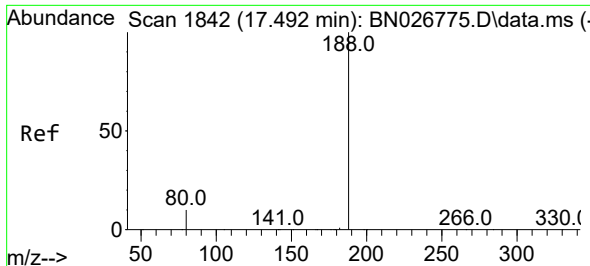
Tgt Ion:154 Resp: 1312
Ion Ratio Lower Upper
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153 115.9 90.0 135.0
152 60.4 48.6 73.0



#18
Fluorene
Concen: 0.052 ng
RT: 15.779 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

Tgt Ion:166 Resp: 2887
Ion Ratio Lower Upper
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165 101.4 79.0 118.6
167 12.6 10.9 16.3

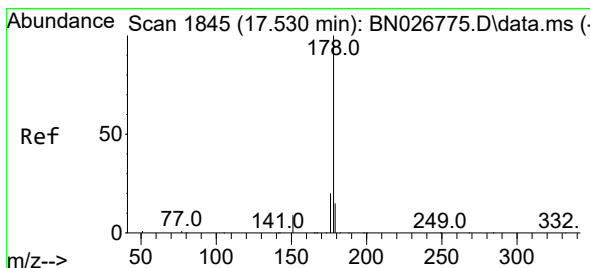
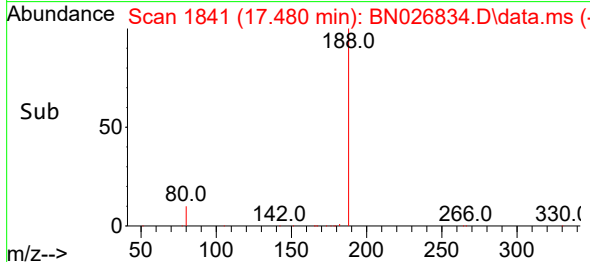
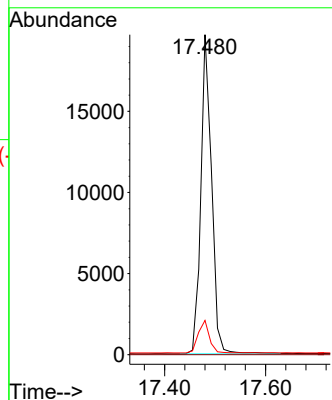
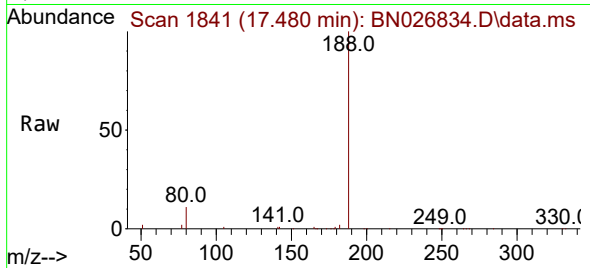




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

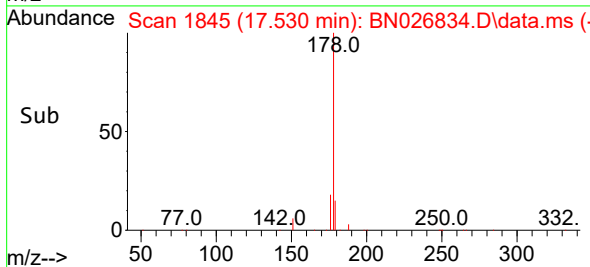
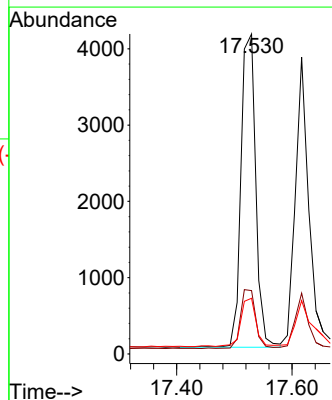
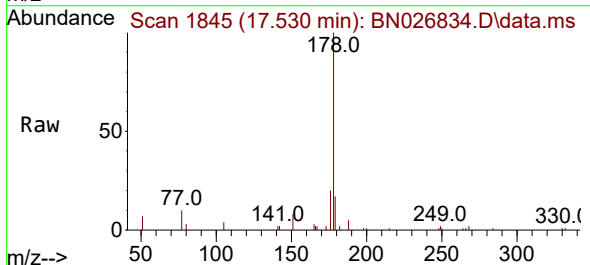
Instrument :
BNA_N
ClientSampleId :
SP-100-20230803

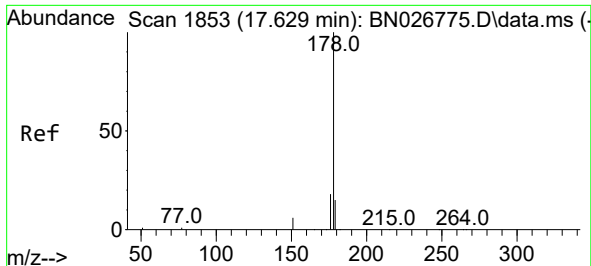
Tgt Ion:188 Resp: 29160
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 8.0 12.0



#25
Phenanthrene
Concen: 0.082 ng
RT: 17.530 min Scan# 1845
Delta R.T. -0.000 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

Tgt Ion:178 Resp: 7259
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 16.1 12.2 18.2

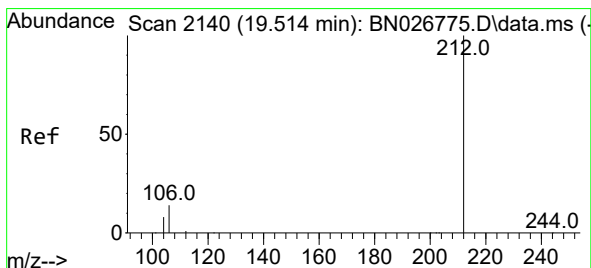
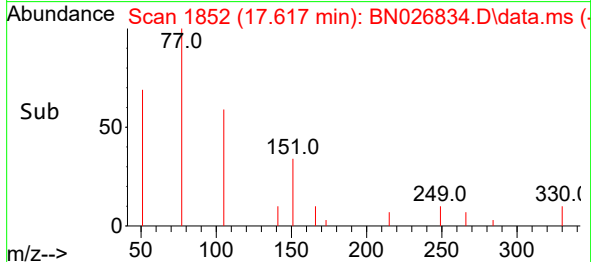
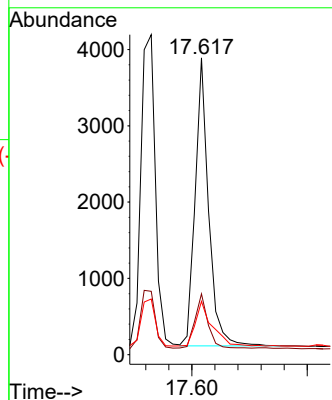
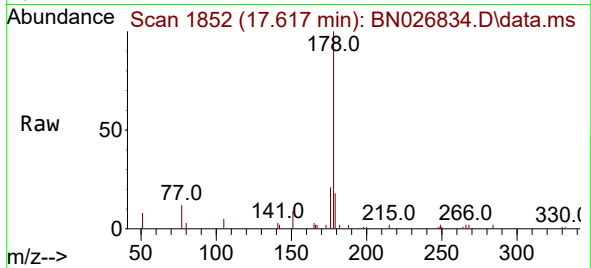




#26
 Anthracene
 Concen: 0.077 ng
 RT: 17.617 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN026834.D
 Acq: 07 Aug 2023 17:07

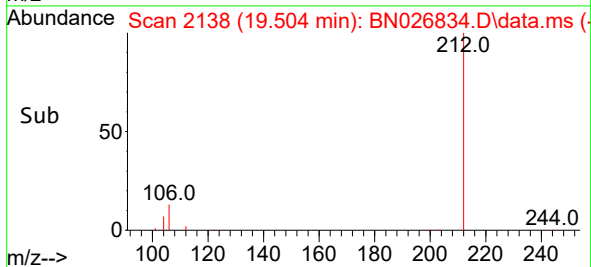
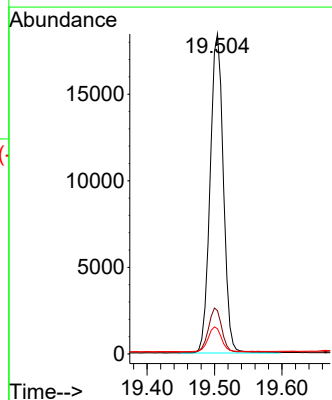
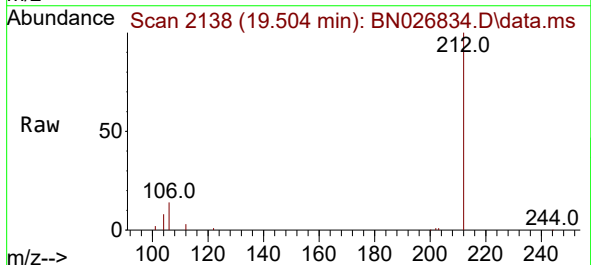
Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20230803

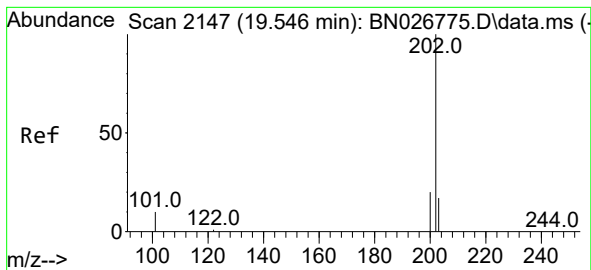
Tgt Ion:178 Resp: 6121
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.9 22.3
 179 19.0 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.359 ng
 RT: 19.504 min Scan# 2138
 Delta R.T. -0.009 min
 Lab File: BN026834.D
 Acq: 07 Aug 2023 17:07

Tgt Ion:212 Resp: 25149
 Ion Ratio Lower Upper
 212 100
 106 13.8 11.7 17.5
 104 7.8 6.4 9.6





#28

Fluoranthene

Concen: 0.099 ng

RT: 19.532 min Scan# 2144

Delta R.T. -0.014 min

Lab File: BN026834.D

Acq: 07 Aug 2023 17:07

Instrument :

BNA_N

ClientSampleId :

SP-100-20230803

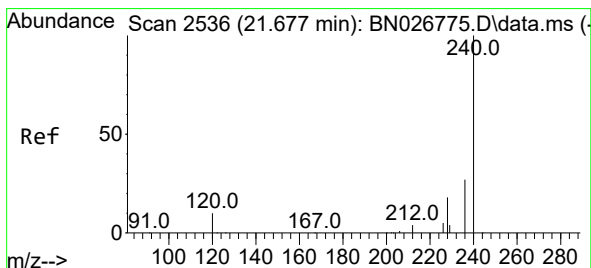
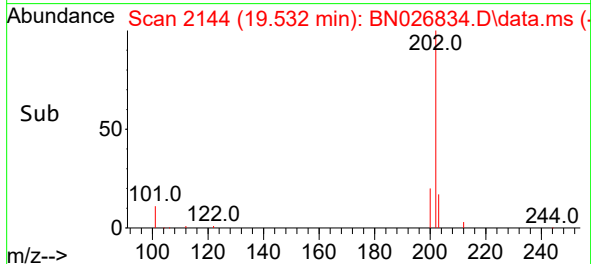
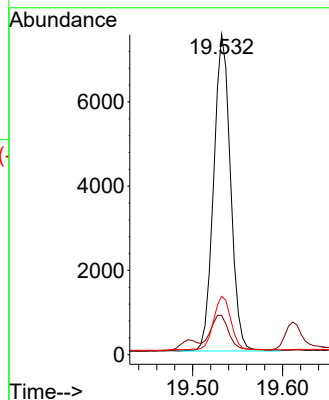
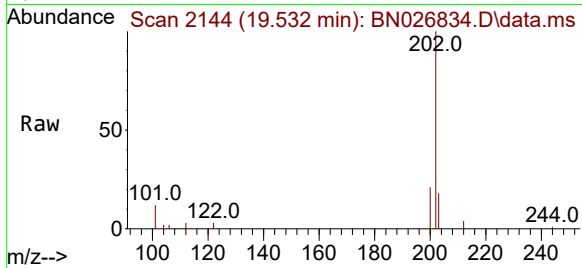
Tgt Ion:202 Resp: 9755

Ion Ratio Lower Upper

202 100

101 11.9 9.2 13.8

203 17.5 13.7 20.5



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.659 min Scan# 2534

Delta R.T. -0.018 min

Lab File: BN026834.D

Acq: 07 Aug 2023 17:07

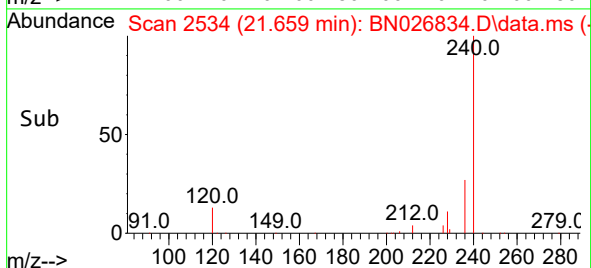
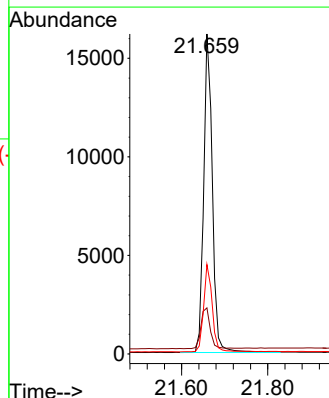
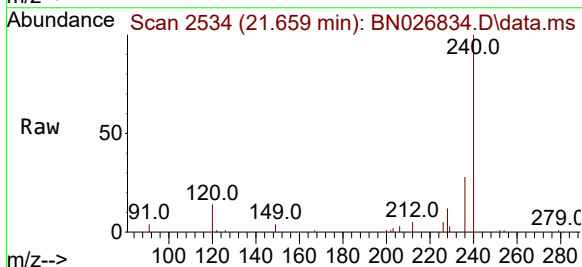
Tgt Ion:240 Resp: 22671

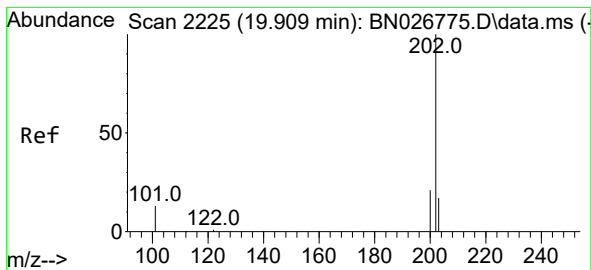
Ion Ratio Lower Upper

240 100

120 14.4 9.2 13.8#

236 28.0 21.9 32.9





#30

Pyrene

Concen: 0.103 ng

RT: 19.899 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN026834.D

Acq: 07 Aug 2023 17:07

Instrument :

BNA_N

ClientSampleId :

SP-100-20230803

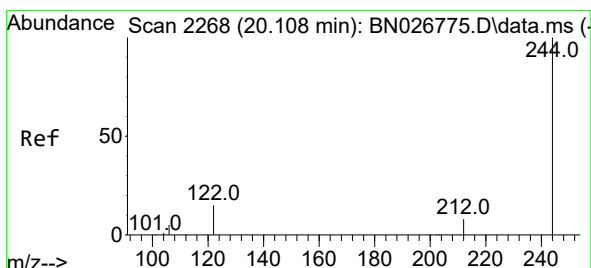
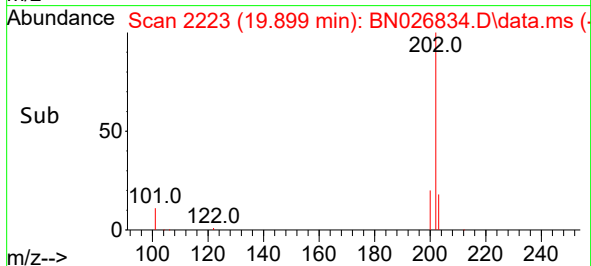
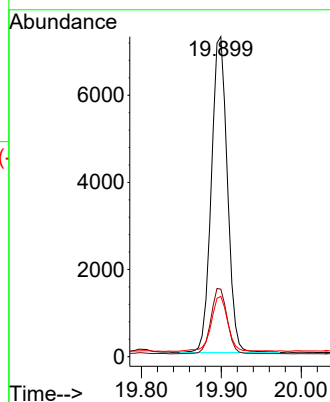
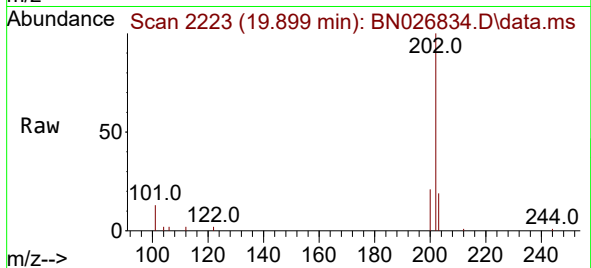
Tgt Ion:202 Resp: 10065

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 18.1 14.2 21.2



#31

Terphenyl-d14

Concen: 0.498 ng

RT: 20.094 min Scan# 2265

Delta R.T. -0.014 min

Lab File: BN026834.D

Acq: 07 Aug 2023 17:07

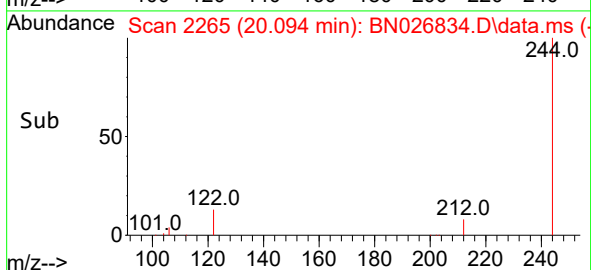
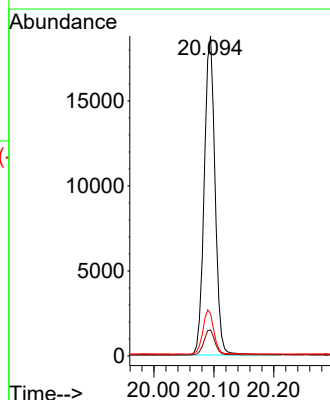
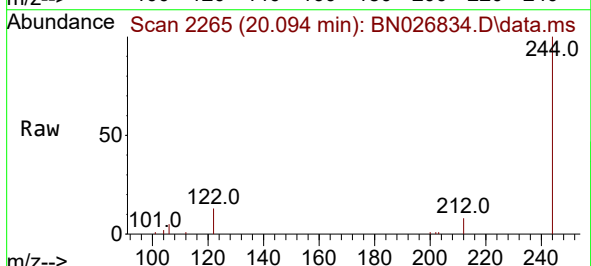
Tgt Ion:244 Resp: 23540

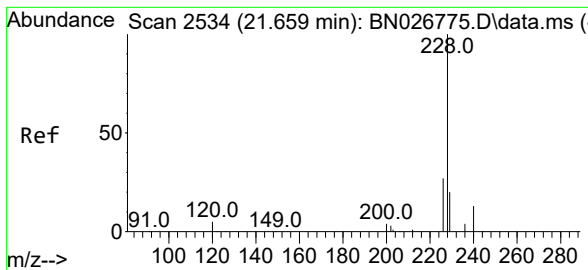
Ion Ratio Lower Upper

244 100

212 8.1 7.0 10.4

122 13.2 12.3 18.5

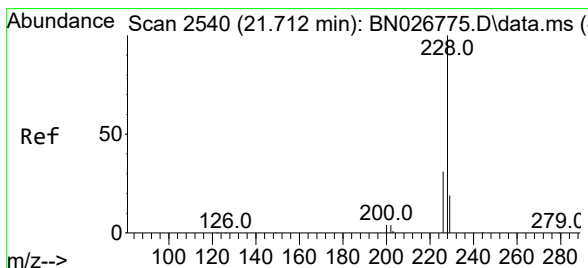
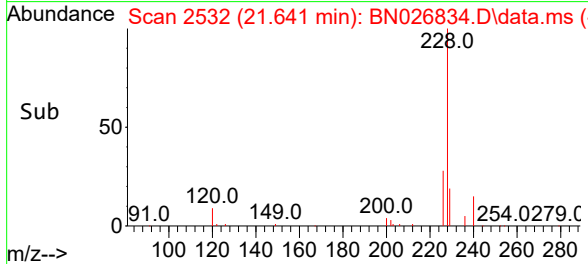
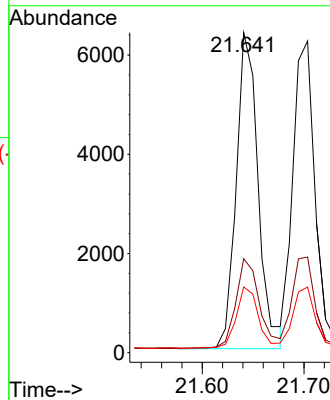
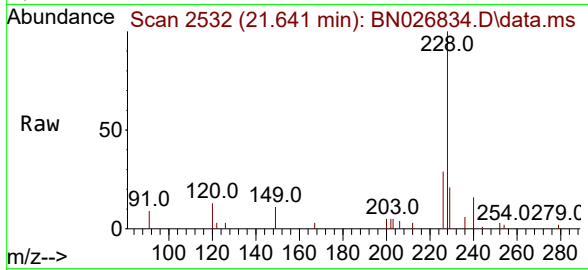




#32
Benzo(a)anthracene
Concen: 0.122 ng
RT: 21.641 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

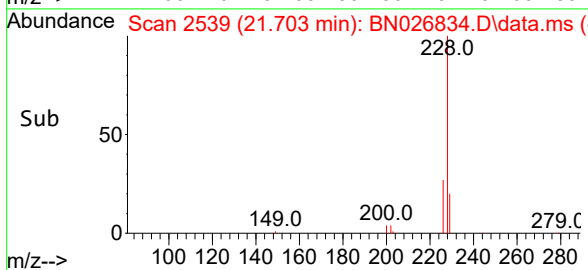
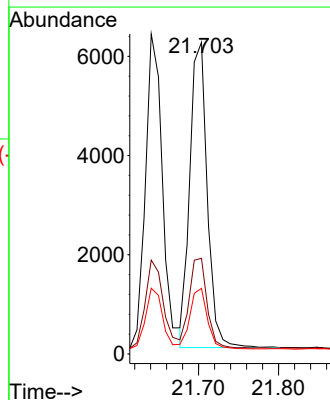
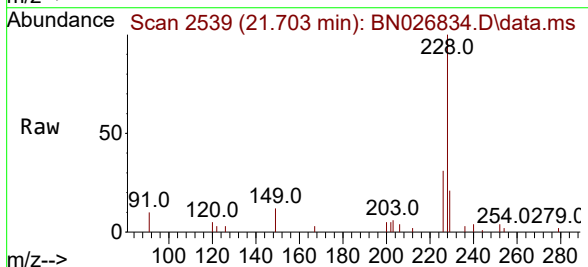
Instrument :
BNA_N
ClientSampleId :
SP-100-20230803

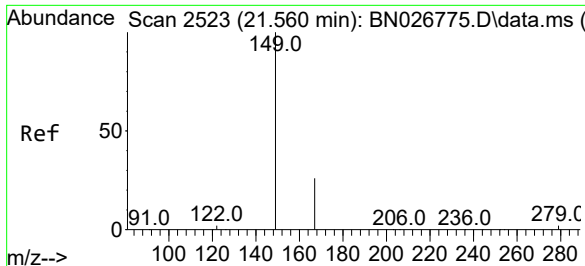
Tgt Ion:228 Resp: 9511
Ion Ratio Lower Upper
228 100
226 29.4 21.9 32.9
229 20.6 15.8 23.8



#33
Chrysene
Concen: 0.108 ng
RT: 21.703 min Scan# 2539
Delta R.T. -0.009 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

Tgt Ion:228 Resp: 9327
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 21.1 15.4 23.2

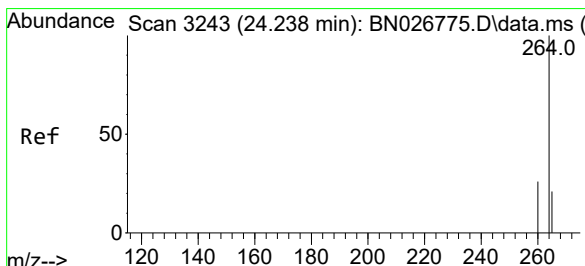
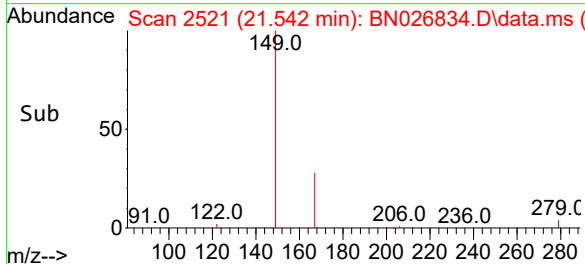
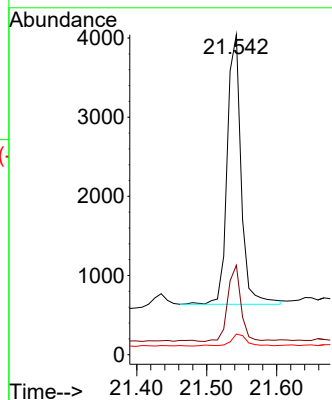
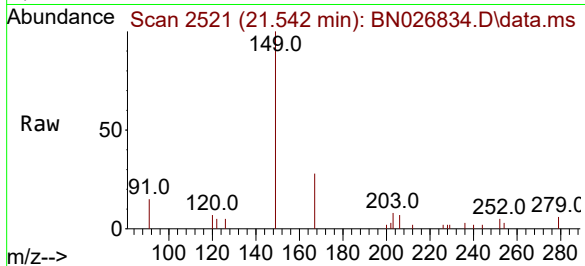




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.182 ng
 RT: 21.542 min Scan# 2151
 Delta R.T. -0.018 min
 Lab File: BN026834.D
 Acq: 07 Aug 2023 17:07

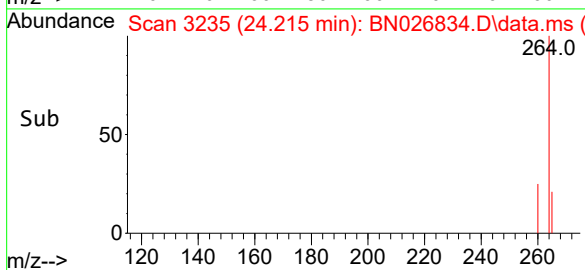
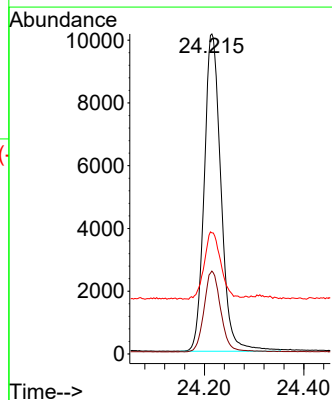
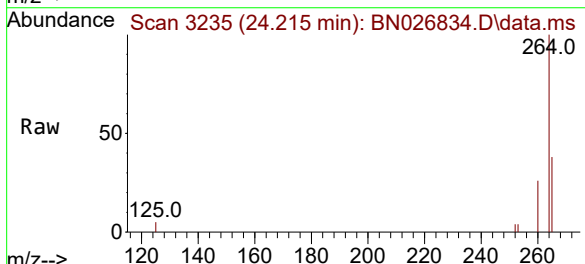
Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20230803

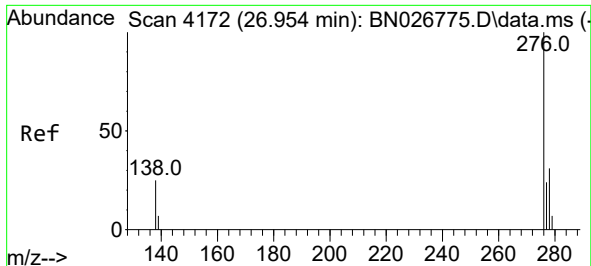
Tgt Ion:149 Resp: 4700
 Ion Ratio Lower Upper
 149 100
 167 26.4 20.8 31.2
 279 5.2 2.4 3.6#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.215 min Scan# 3235
 Delta R.T. -0.023 min
 Lab File: BN026834.D
 Acq: 07 Aug 2023 17:07

Tgt Ion:264 Resp: 23749
 Ion Ratio Lower Upper
 264 100
 260 25.9 21.0 31.6
 265 37.8 22.6 33.8#

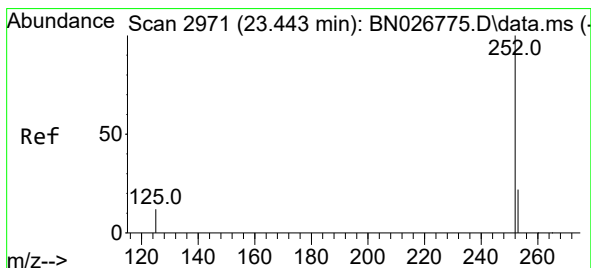
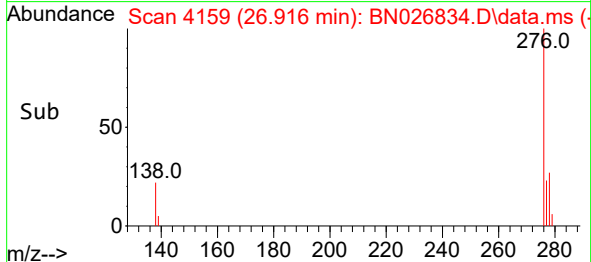
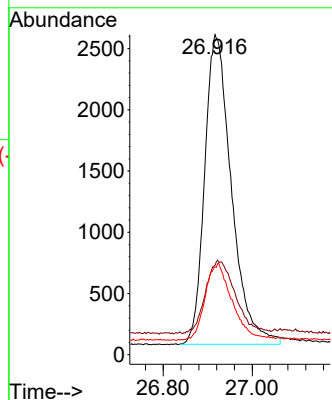
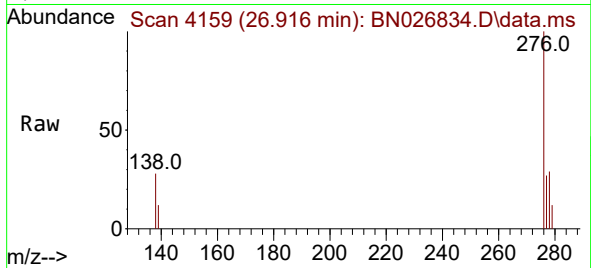




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.109 ng
RT: 26.916 min Scan# 4172
Delta R.T. -0.038 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

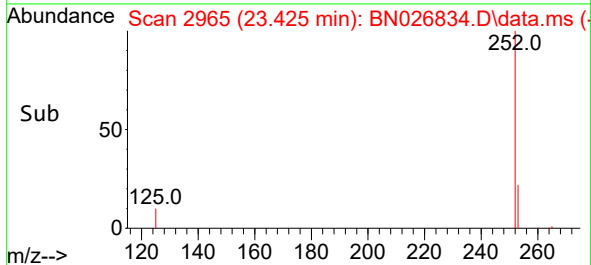
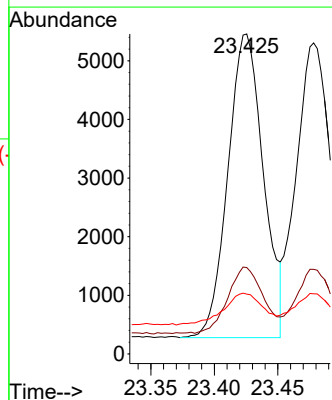
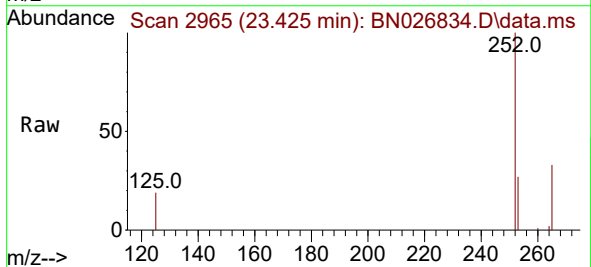
Instrument :
BNA_N
ClientSampleId :
SP-100-20230803

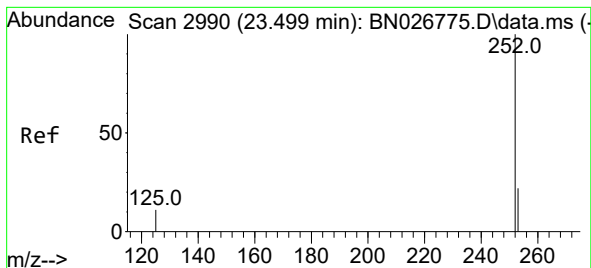
Tgt Ion:276 Resp: 10554
Ion Ratio Lower Upper
276 100
138 25.9 22.8 34.2
277 24.7 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 0.108 ng
RT: 23.425 min Scan# 2965
Delta R.T. -0.018 min
Lab File: BN026834.D
Acq: 07 Aug 2023 17:07

Tgt Ion:252 Resp: 10075
Ion Ratio Lower Upper
252 100
253 27.0 17.8 26.8#
125 18.7 10.8 16.2#





#38

Benzo(k)fluoranthene

Concen: 0.102 ng

RT: 23.478 min Scan# 2990

Delta R.T. -0.021 min

Lab File: BN026834.D

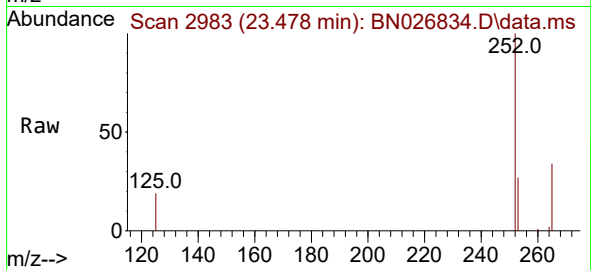
Acq: 07 Aug 2023 17:07

Instrument :

BNA_N

ClientSampleId :

SP-100-20230803



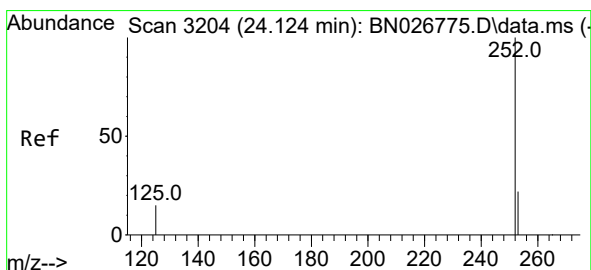
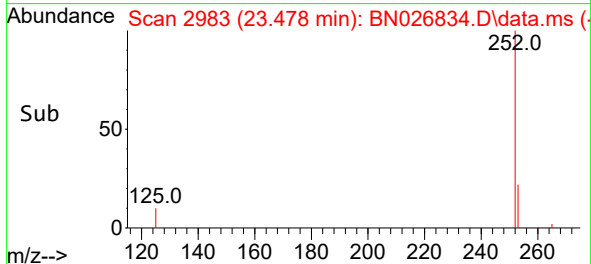
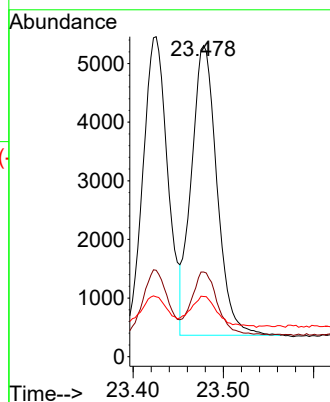
Tgt Ion:252 Resp: 9745

Ion Ratio Lower Upper

252 100

253 27.2 18.0 27.0#

125 19.3 9.4 14.2#



#39

Benzo(a)pyrene

Concen: 0.096 ng

RT: 24.104 min Scan# 3197

Delta R.T. -0.021 min

Lab File: BN026834.D

Acq: 07 Aug 2023 17:07

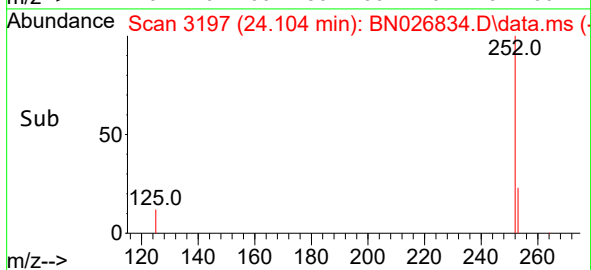
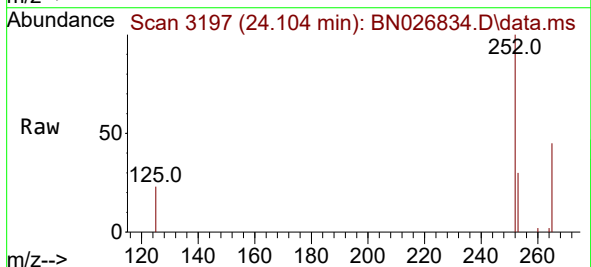
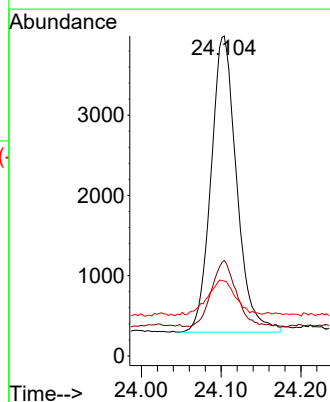
Tgt Ion:252 Resp: 8218

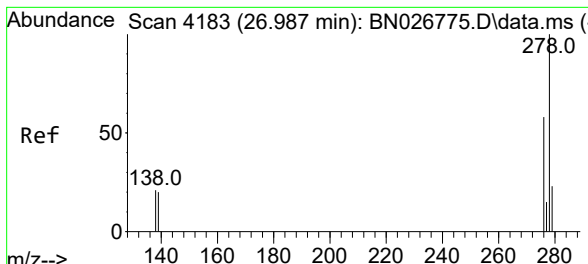
Ion Ratio Lower Upper

252 100

253 29.8 18.5 27.7#

125 23.4 12.7 19.1#

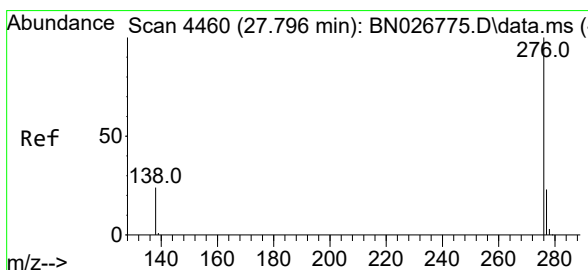
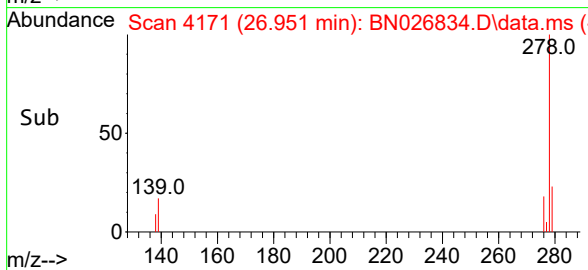
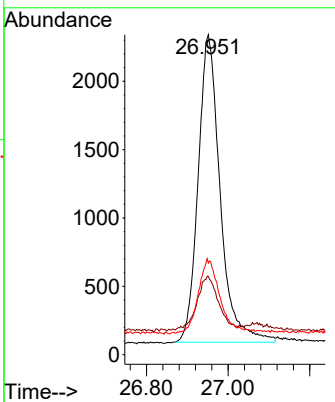
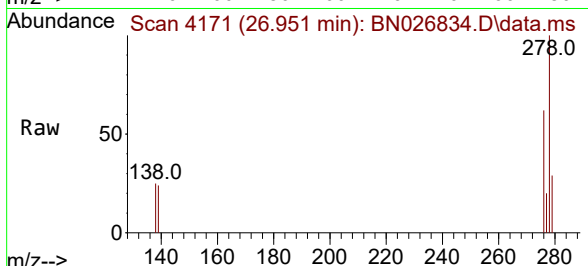




#40
 Dibenzo(a,h)anthracene
 Concen: 0.112 ng
 RT: 26.951 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BN026834.D
 Acq: 07 Aug 2023 17:07

Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20230803

Tgt Ion:	278	Resp:	8434
Ion Ratio	Lower	Upper	
278	100		
139	24.5	16.8	25.2
279	28.6	19.5	29.3



#41
 Benzo(g,h,i)perylene
 Concen: 0.094 ng
 RT: 27.758 min Scan# 4447
 Delta R.T. -0.038 min
 Lab File: BN026834.D
 Acq: 07 Aug 2023 17:07

Tgt Ion:	276	Resp:	8336
Ion Ratio	Lower	Upper	
276	100		
277	28.3	19.1	28.7
138	28.2	19.8	29.6

