

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
 Data File : BN027262.D
 Acq On : 30 Aug 2023 05:06
 Operator : MA/JU
 Sample : 04128-18
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT180D1-20230821

Quant Time: Aug 30 18:12:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 05:37:30 2023
 Response via : Initial Calibration

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

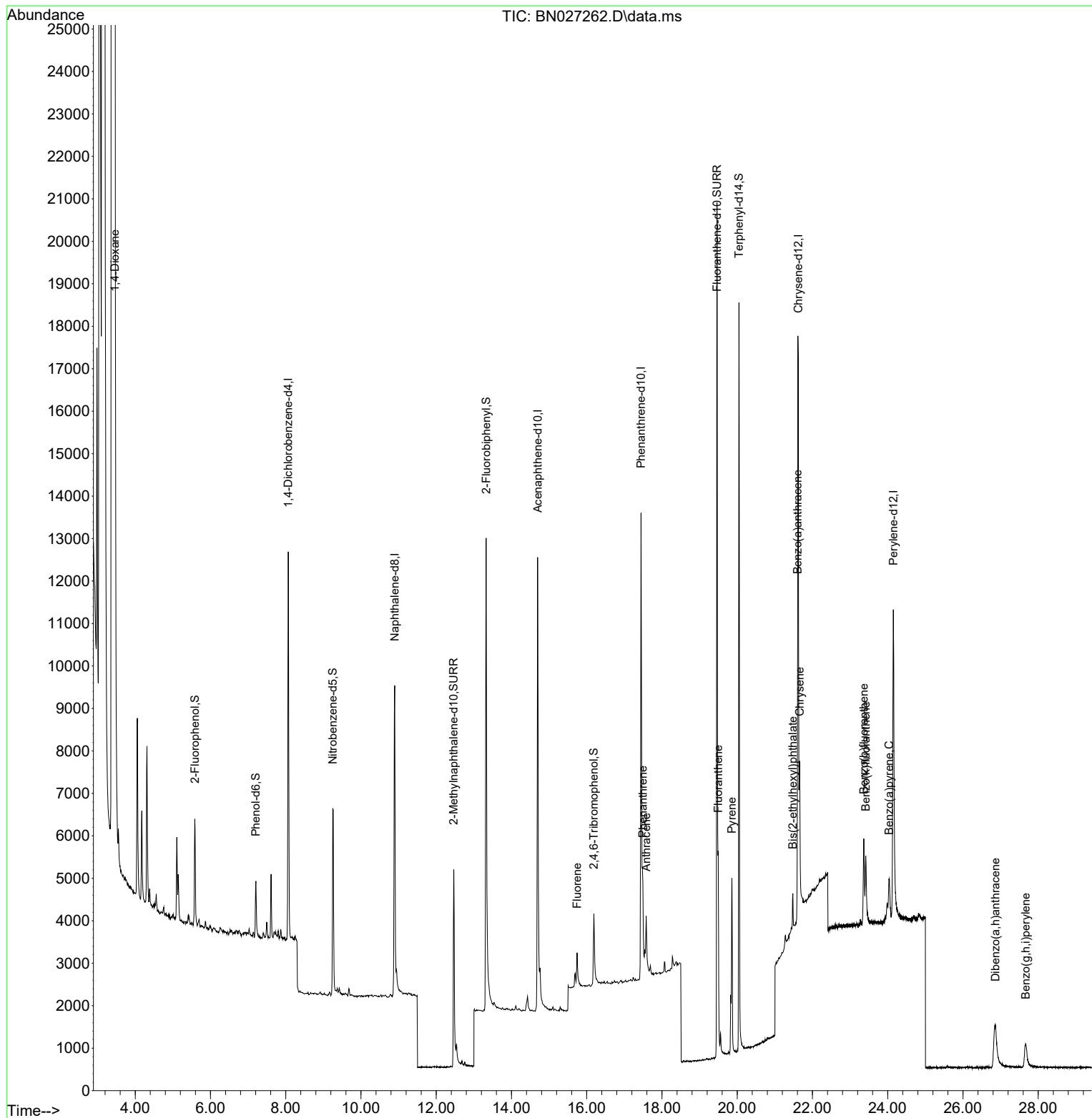
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	4595	0.400	ng	0.00
7) Naphthalene-d8	10.895	136	11779	0.400	ng	0.00
13) Acenaphthene-d10	14.694	164	7618	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	17407	0.400	ng	0.00
29) Chrysene-d12	21.623	240	15092	0.400	ng	0.00
35) Perylene-d12	24.151	264	13410	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	2216	0.185	ng	0.00
5) Phenol-d6	7.207	99	1468	0.101	ng	0.00
8) Nitrobenzene-d5	9.251	82	4368	0.509	ng	-0.01
11) 2-Methylnaphthalene-d10	12.464	152	8259	0.477	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	1262	0.448	ng	0.00
15) 2-Fluorobiphenyl	13.326	172	12668	0.437	ng	0.00
27) Fluoranthene-d10	19.463	212	23313	0.539	ng	0.00
31) Terphenyl-d14	20.048	244	17271	0.570	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.458	88	19938	3.554	ng	94
18) Fluorene	15.742	166	806	0.026	ng	99
25) Phenanthrene	17.492	178	2504	0.049	ng	95
26) Anthracene	17.579	178	1775	0.041	ng	98
28) Fluoranthene	19.495	202	4003	0.066	ng	# 95
30) Pyrene	19.857	202	3909	0.065	ng	100
32) Benzo(a)anthracene	21.605	228	2819	0.054	ng	95
33) Chrysene	21.659	228	3139	0.055	ng	95
34) Bis(2-ethylhexyl)phtha...	21.480	149	1025	0.041	ng	# 97
37) Benzo(b)fluoranthene	23.364	252	3027	0.058	ng	# 54
38) Benzo(k)fluoranthene	23.417	252	2587	0.048	ng	# 46
39) Benzo(a)pyrene	24.039	252	1942	0.040	ng	# 20
40) Dibenzo(a,h)anthracene	26.864	278	1585	0.037	ng	# 42
41) Benzo(g,h,i)perylene	27.665	276	1807	0.037	ng	# 72

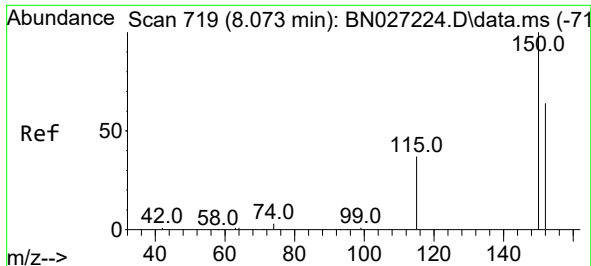
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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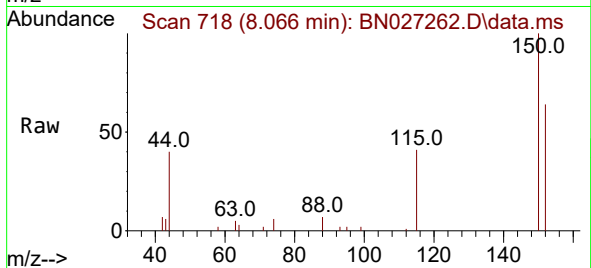
Quant Time: Aug 30 18:12:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
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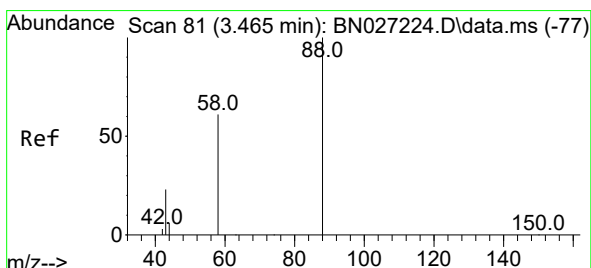
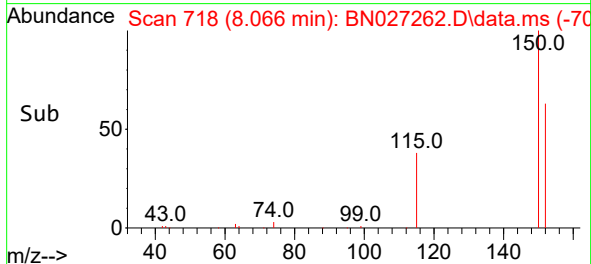
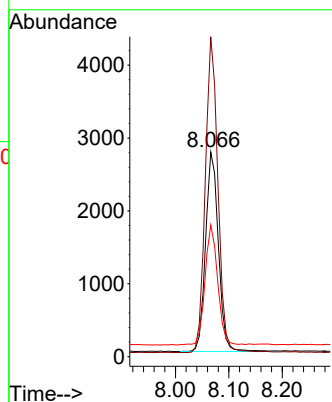


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.066 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821

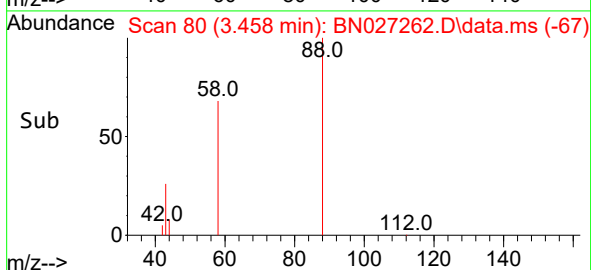
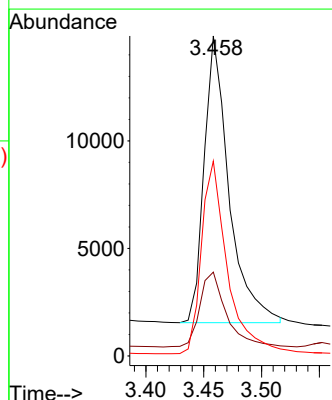
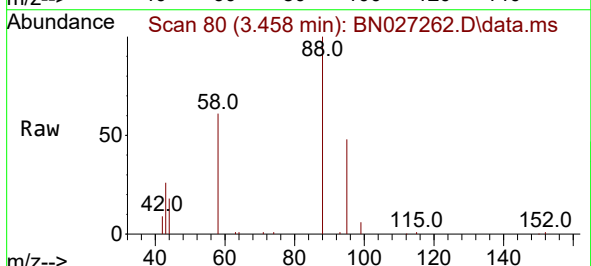


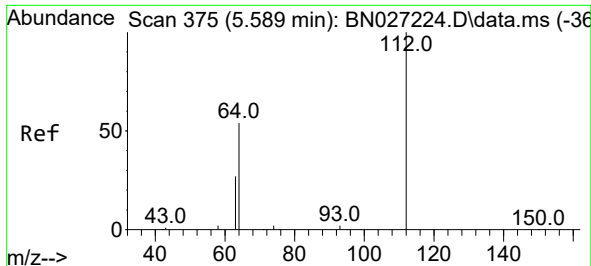
Tgt Ion:152 Resp: 4595
Ion Ratio Lower Upper
152 100
150 156.4 122.7 184.1
115 64.3 48.6 73.0



#2
1,4-Dioxane
Concen: 3.554 ng
RT: 3.458 min Scan# 80
Delta R.T. -0.007 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

Tgt Ion: 88 Resp: 19938
Ion Ratio Lower Upper
88 100
43 27.8 19.1 28.7
58 69.7 52.2 78.2





#4

2-Fluorophenol

Concen: 0.185 ng

RT: 5.589 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

Instrument :

BNA_N

ClientSampleId :

TT180D1-20230821

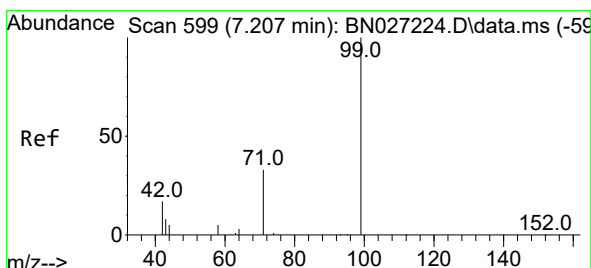
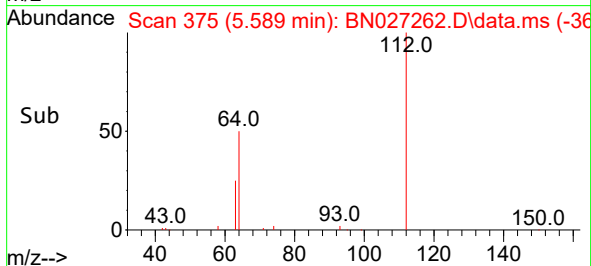
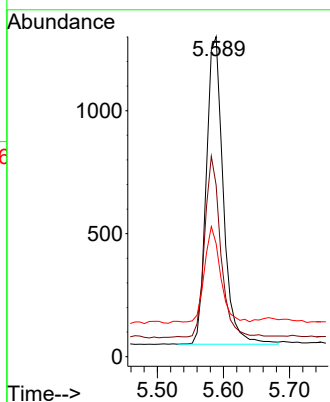
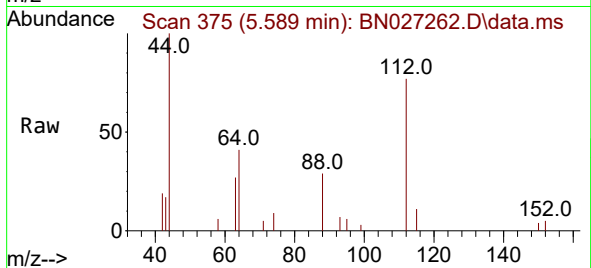
Tgt Ion:112 Resp: 2216

Ion Ratio Lower Upper

112 100

64 56.7 44.4 66.6

63 28.9 23.1 34.7



#5

Phenol-d6

Concen: 0.101 ng

RT: 7.207 min Scan# 599

Delta R.T. -0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

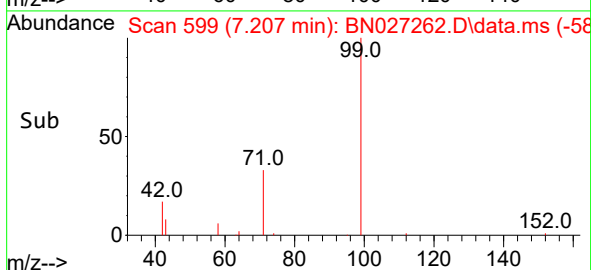
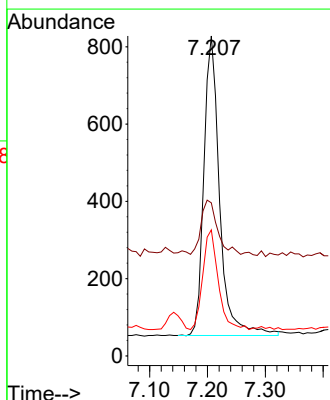
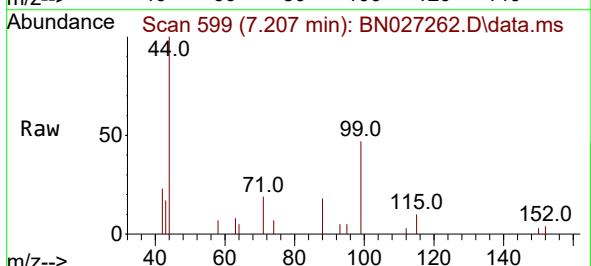
Tgt Ion: 99 Resp: 1468

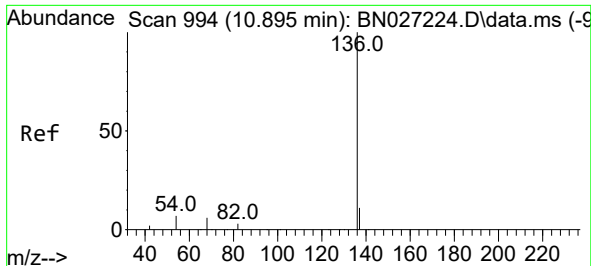
Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

71 32.6 25.8 38.6

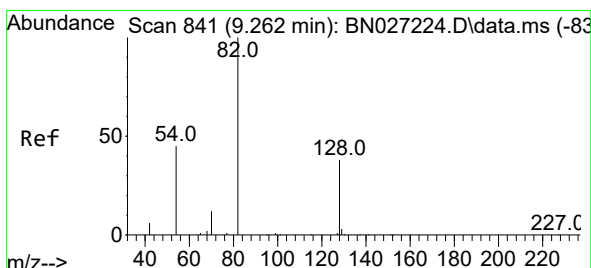
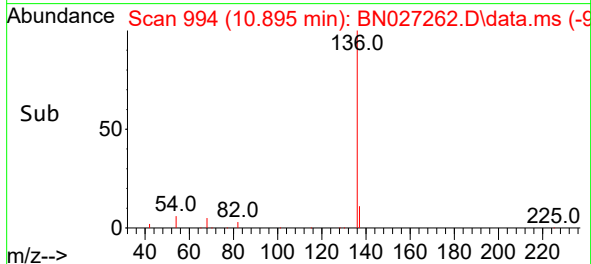
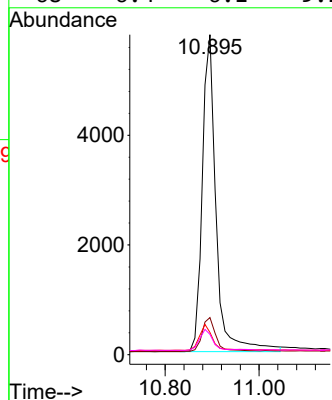
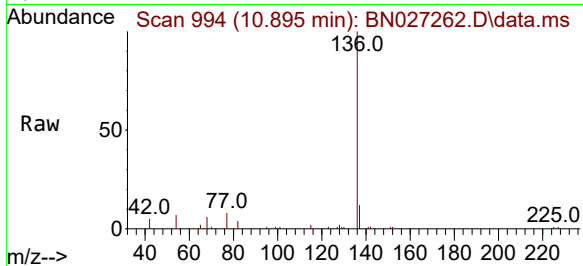




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.895 min Scan# 994
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

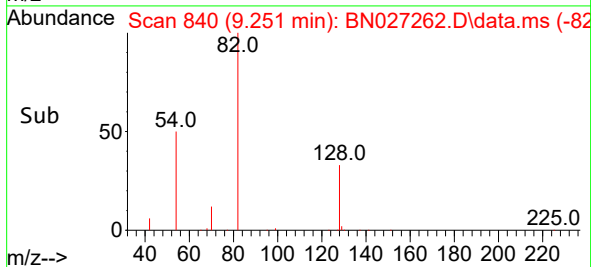
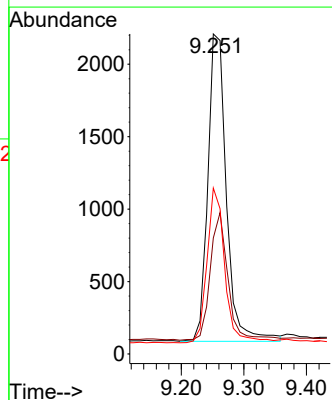
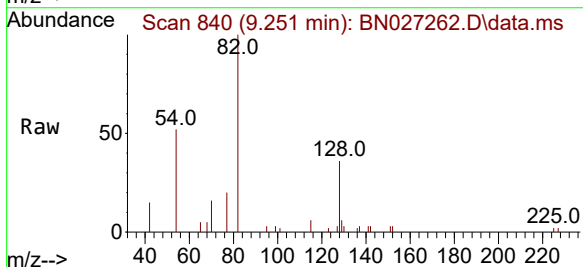
Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821

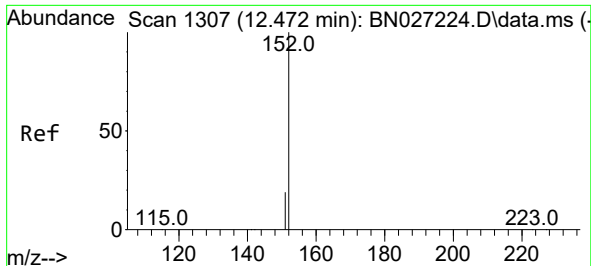
Tgt Ion:	136	Resp:	11779
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	7.0	6.7	10.1
68	6.4	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.509 ng
RT: 9.251 min Scan# 840
Delta R.T. -0.011 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

Tgt Ion:	82	Resp:	4368
Ion	Ratio	Lower	Upper
82	100		
128	36.3	33.4	50.0
54	51.8	37.7	56.5

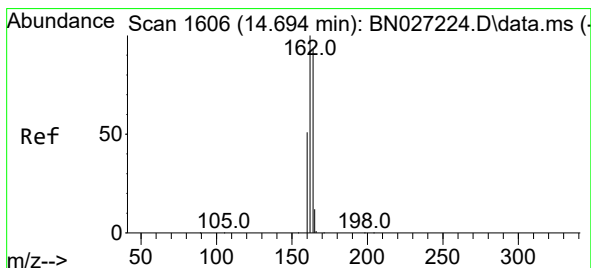
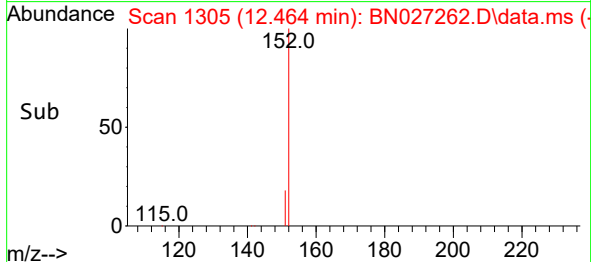
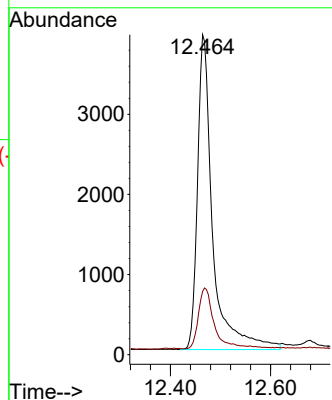
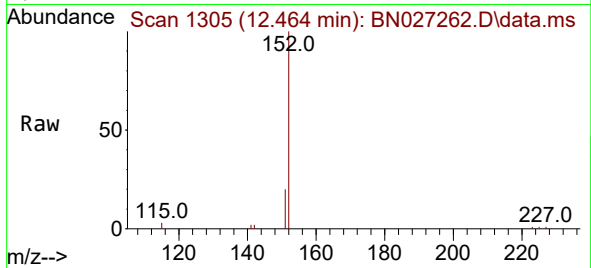




#11
2-Methylnaphthalene-d10
Concen: 0.477 ng
RT: 12.464 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

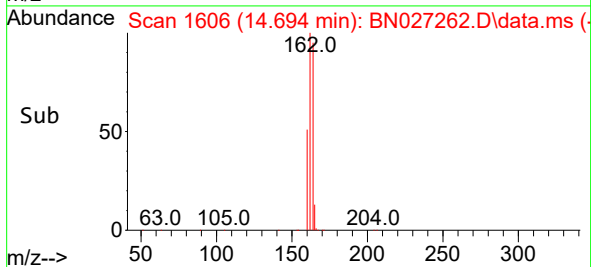
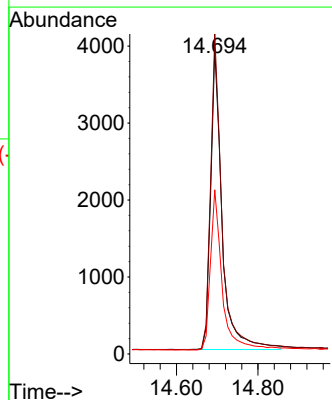
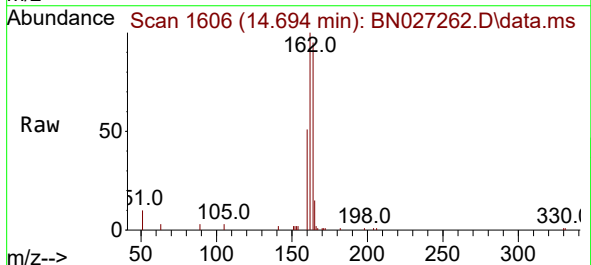
Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821

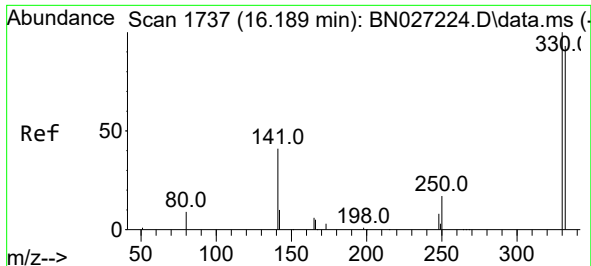
Tgt Ion:152 Resp: 8259
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.694 min Scan# 1606
Delta R.T. -0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

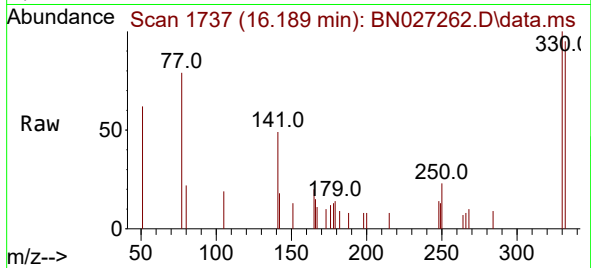
Tgt Ion:164 Resp: 7618
Ion Ratio Lower Upper
164 100
162 105.0 85.8 128.8
160 53.9 44.2 66.2



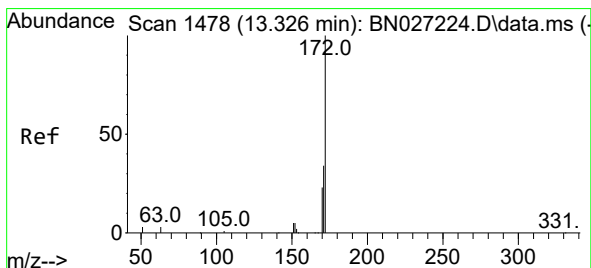
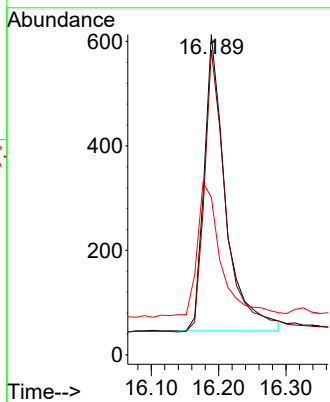
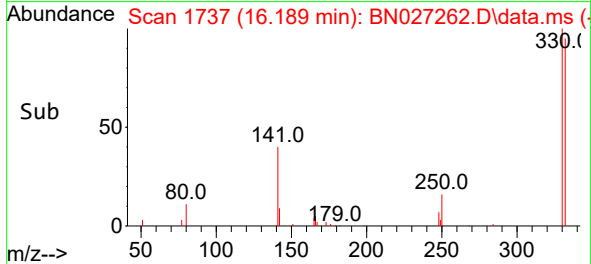


#14
2,4,6-Tribromophenol
Concen: 0.448 ng
RT: 16.189 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

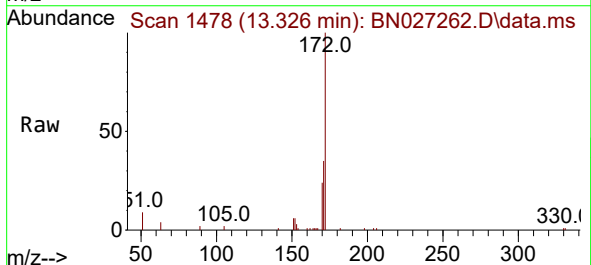
Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821



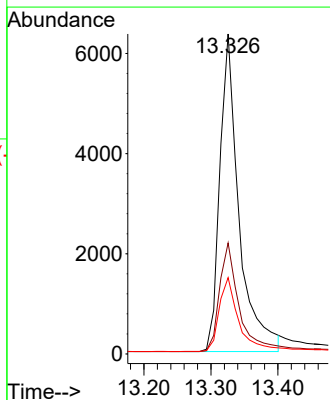
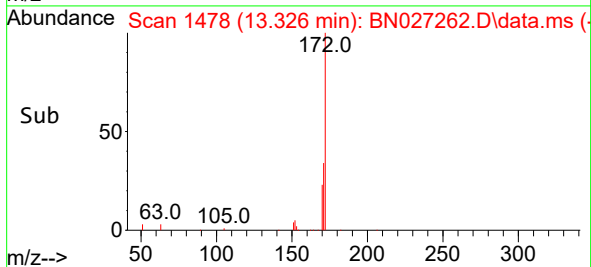
Tgt Ion:330 Resp: 1262
Ion Ratio Lower Upper
330 100
332 95.8 75.2 112.8
141 48.7 36.2 54.4

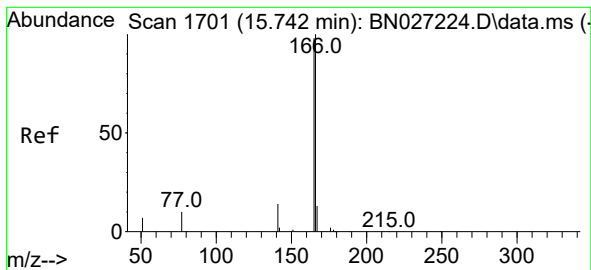


#15
2-Fluorobiphenyl
Concen: 0.437 ng
RT: 13.326 min Scan# 1478
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06



Tgt Ion:172 Resp: 12668
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.8
170 23.8 19.3 28.9





#18

Fluorene

Concen: 0.026 ng

RT: 15.742 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

Instrument :

BNA_N

ClientSampleId :

TT180D1-20230821

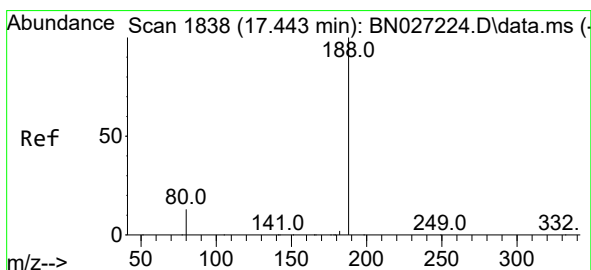
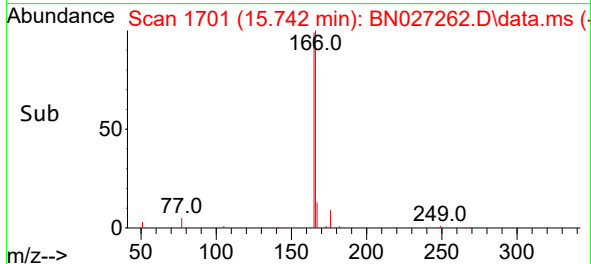
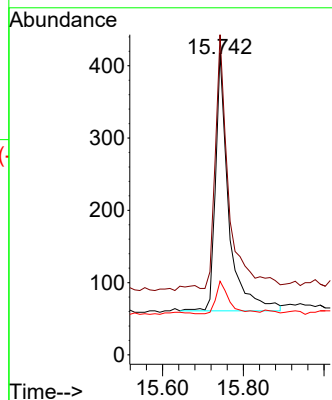
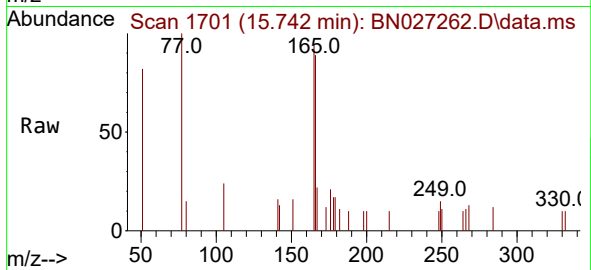
Tgt Ion:166 Resp: 806

Ion Ratio Lower Upper

166 100

165 99.9 79.0 118.4

167 12.7 10.8 16.2



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.443 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

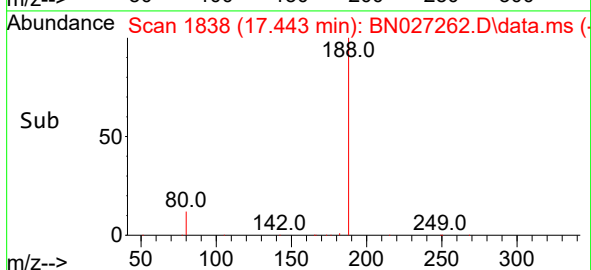
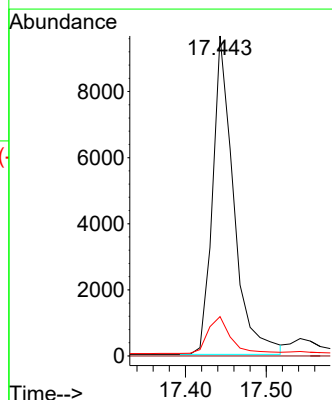
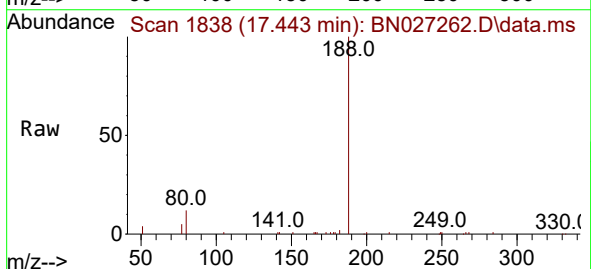
Tgt Ion:188 Resp: 17407

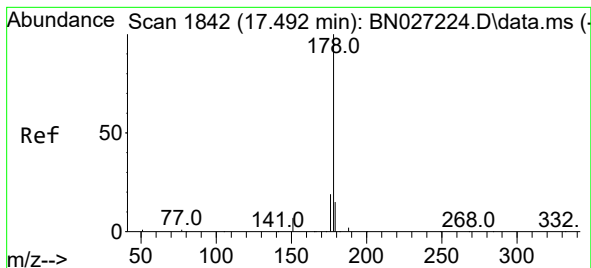
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.3 11.0 16.6





#25

Phenanthrene

Concen: 0.049 ng

RT: 17.492 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

Instrument :

BNA_N

ClientSampleId :

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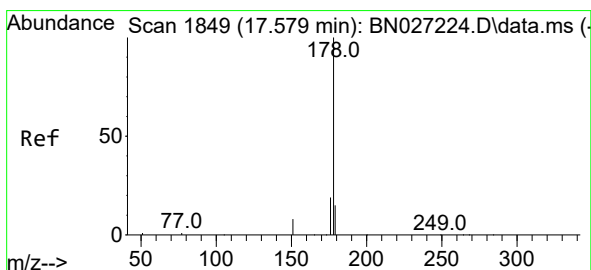
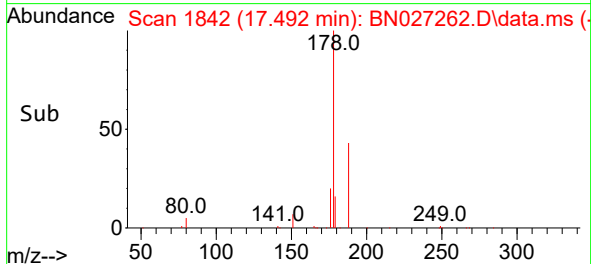
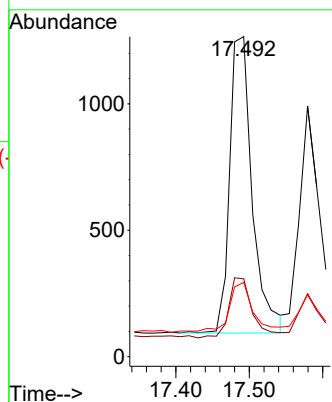
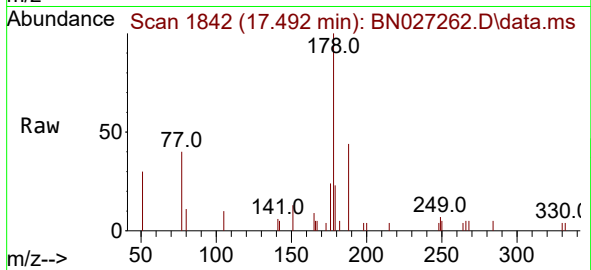
Tgt Ion:178 Resp: 2504

Ion Ratio Lower Upper

178 100

176 21.4 15.6 23.4

179 18.3 12.3 18.5



#26

Anthracene

Concen: 0.041 ng

RT: 17.579 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

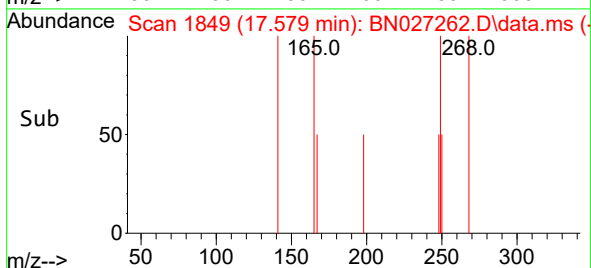
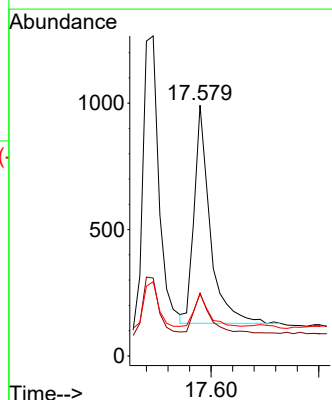
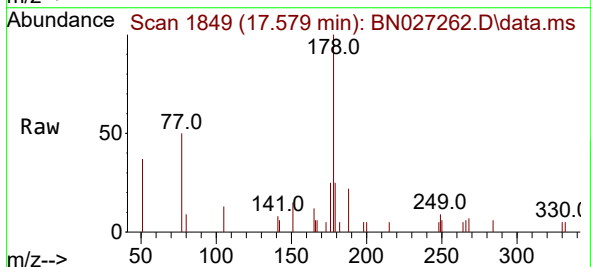
Tgt Ion:178 Resp: 1775

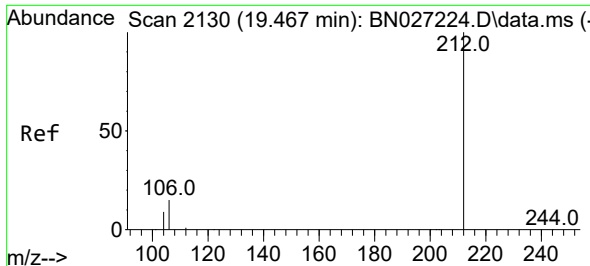
Ion Ratio Lower Upper

178 100

176 19.5 14.9 22.3

179 13.9 12.0 18.0

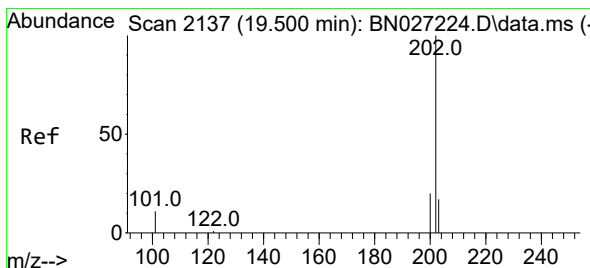
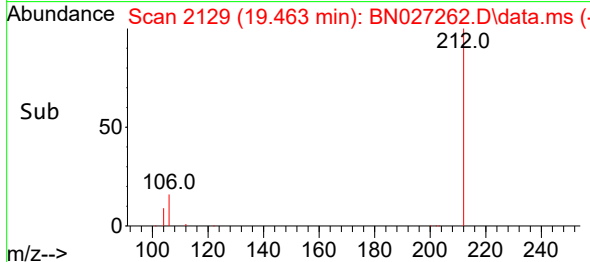
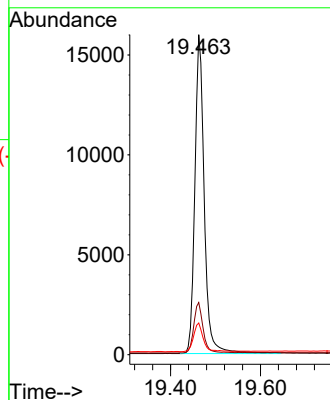
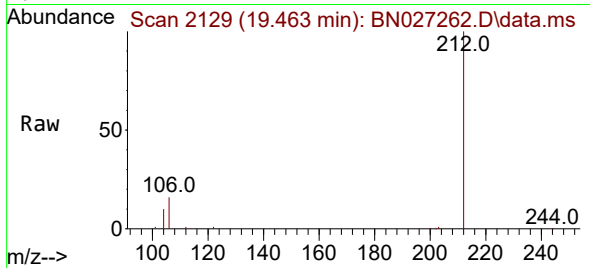




#27
Fluoranthene-d10
Concen: 0.539 ng
RT: 19.463 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

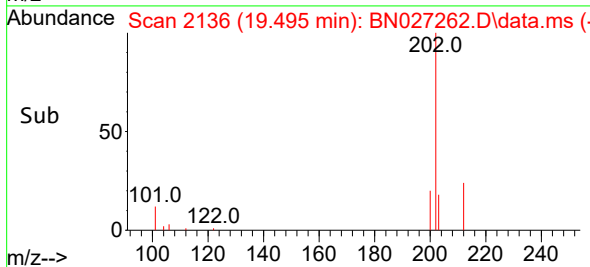
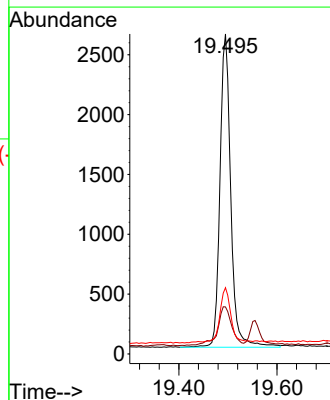
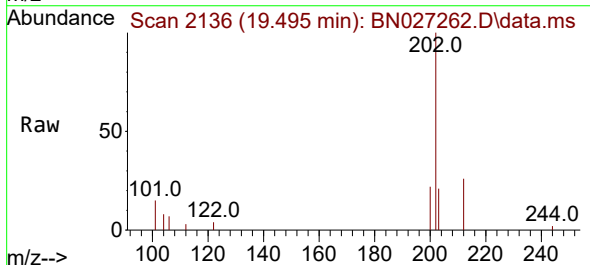
Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821

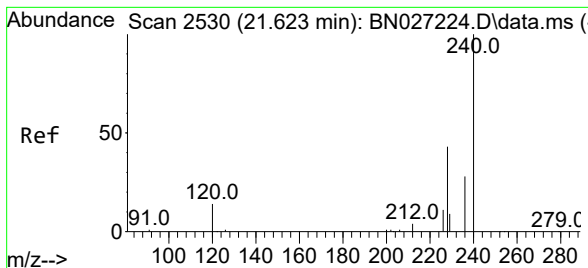
Tgt Ion:212 Resp: 23313
Ion Ratio Lower Upper
212 100
106 15.7 12.1 18.1
104 9.2 6.9 10.3



#28
Fluoranthene
Concen: 0.066 ng
RT: 19.495 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

Tgt Ion:202 Resp: 4003
Ion Ratio Lower Upper
202 100
101 16.4 9.6 14.4#
203 17.3 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.623 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

Instrument :

BNA_N

ClientSampleId :

TT180D1-20230821

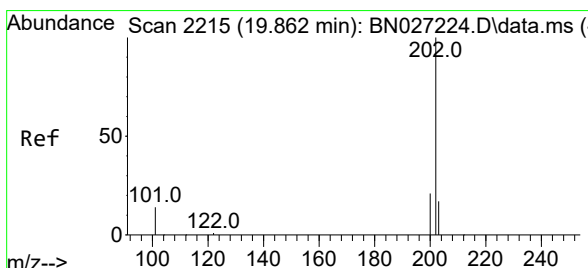
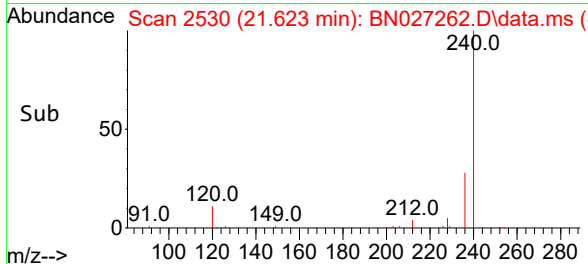
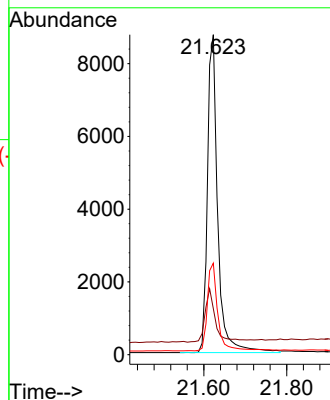
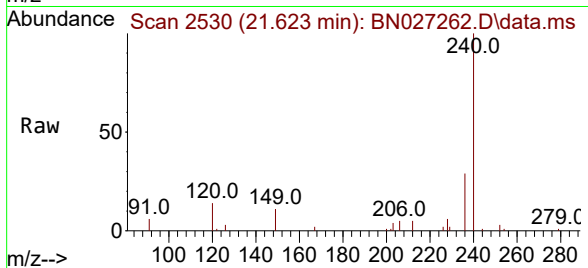
Tgt Ion:240 Resp: 15092

Ion Ratio Lower Upper

240 100

120 14.4 14.2 21.4

236 28.6 22.9 34.3



#30

Pyrene

Concen: 0.065 ng

RT: 19.857 min Scan# 2214

Delta R.T. -0.005 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

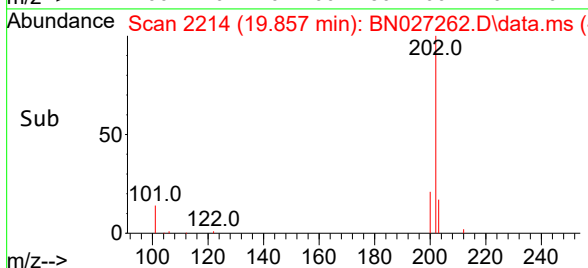
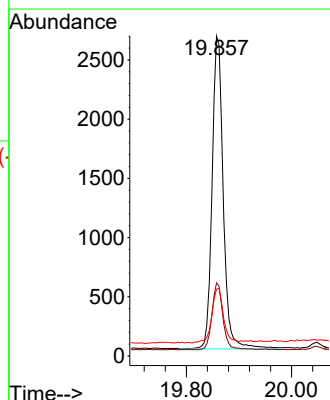
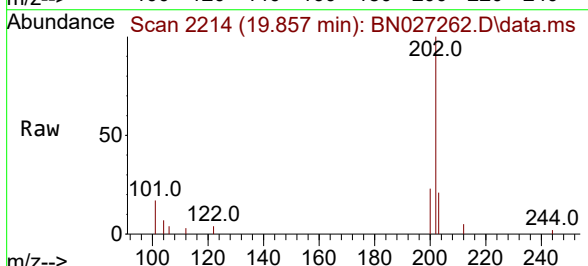
Tgt Ion:202 Resp: 3909

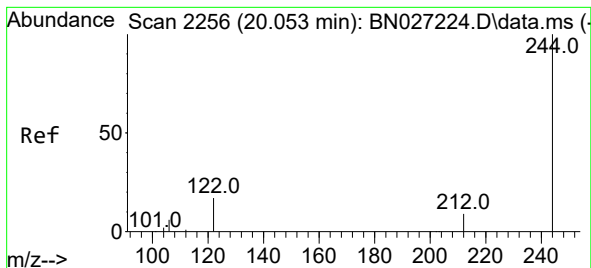
Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

203 18.1 14.2 21.4





#31

Terphenyl-d14

Concen: 0.570 ng

RT: 20.048 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN027262.D

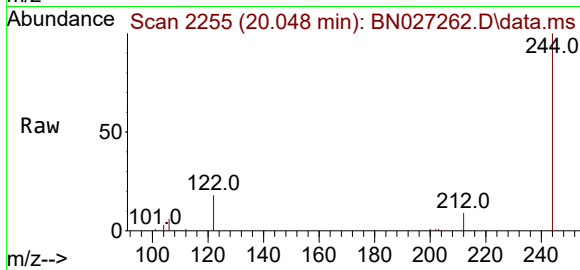
Acq: 30 Aug 2023 05:06

Instrument :

BNA_N

ClientSampleId :

TT180D1-20230821



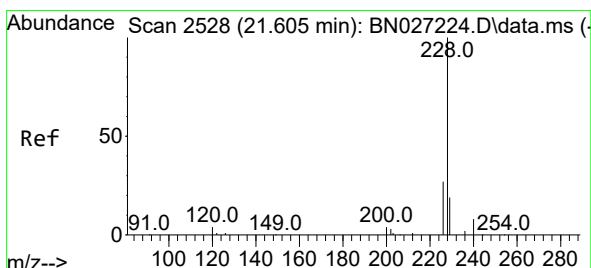
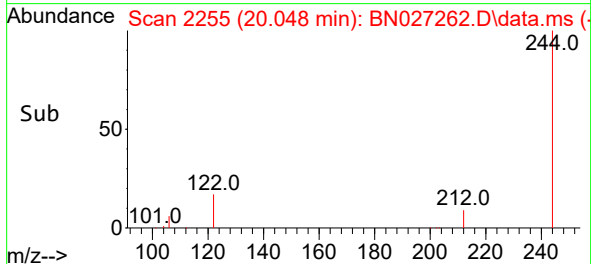
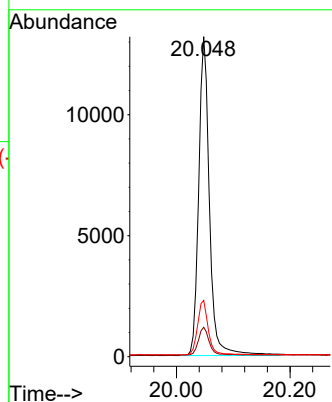
Tgt Ion:244 Resp: 17271

Ion Ratio Lower Upper

244 100

212 9.2 7.5 11.3

122 17.6 14.0 21.0



#32

Benzo(a)anthracene

Concen: 0.054 ng

RT: 21.605 min Scan# 2528

Delta R.T. 0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

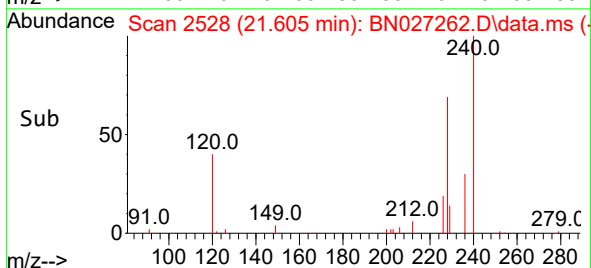
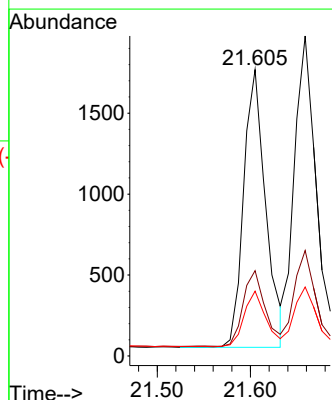
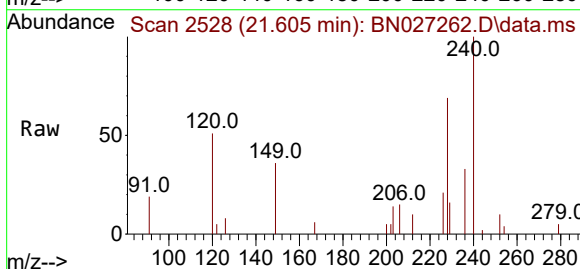
Tgt Ion:228 Resp: 2819

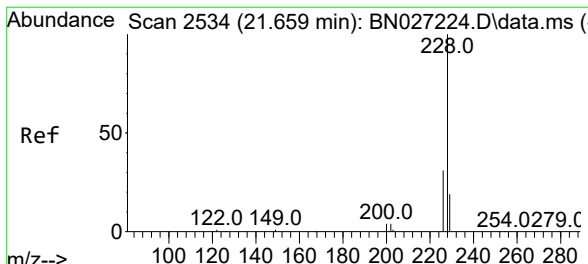
Ion Ratio Lower Upper

228 100

226 29.8 21.9 32.9

229 22.7 15.7 23.5





#33

Chrysene

Concen: 0.055 ng

RT: 21.659 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027262.D

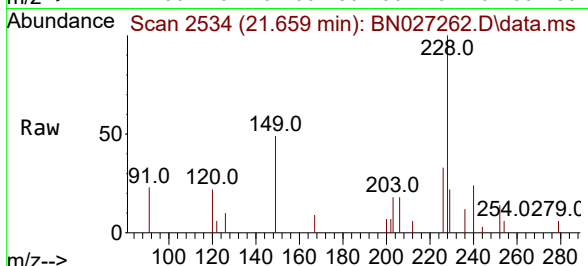
Acq: 30 Aug 2023 05:06

Instrument :

BNA_N

ClientSampleId :

TT180D1-20230821



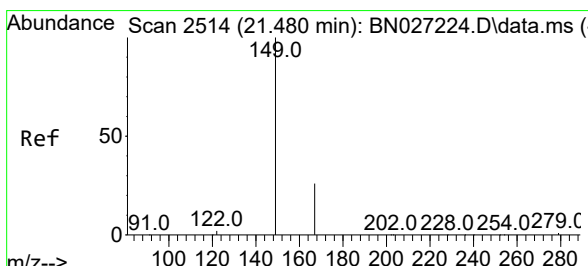
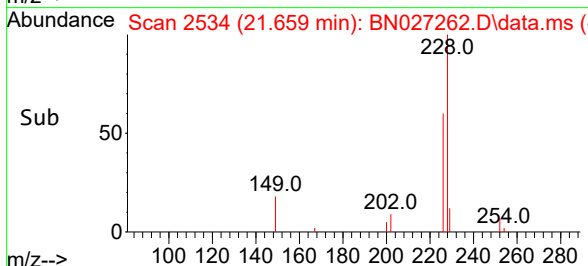
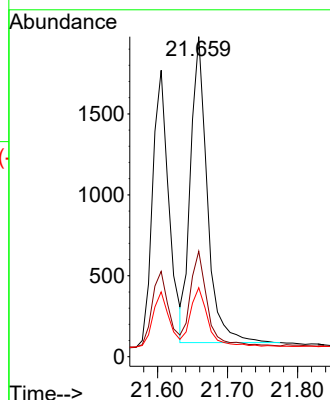
Tgt Ion:228 Resp: 3139

Ion Ratio Lower Upper

228 100

226 33.0 24.3 36.5

229 21.5 15.4 23.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.041 ng

RT: 21.480 min Scan# 2514

Delta R.T. 0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

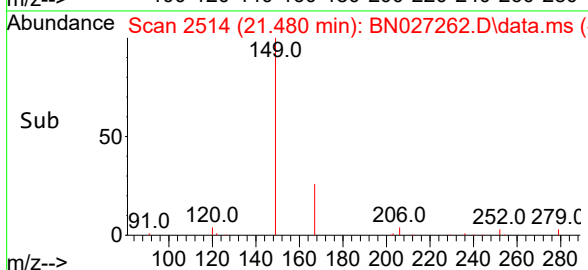
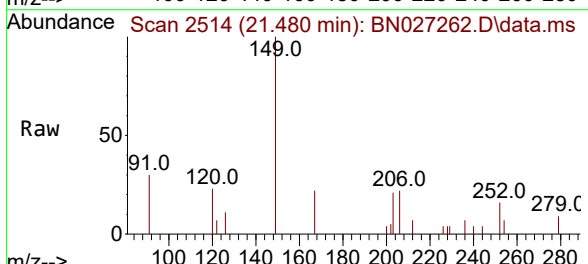
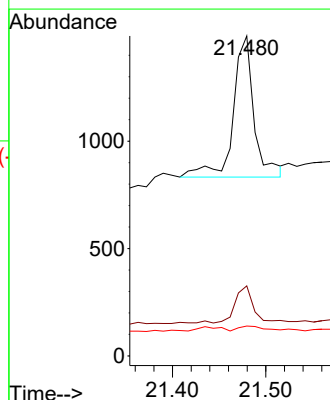
Tgt Ion:149 Resp: 1025

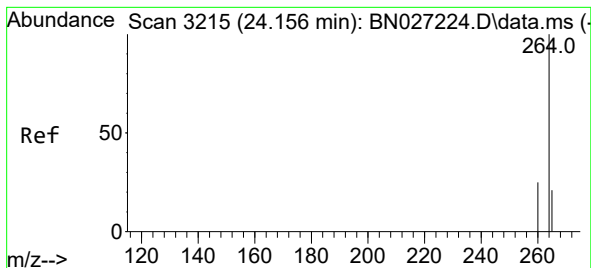
Ion Ratio Lower Upper

149 100

167 26.0 22.1 33.1

279 5.2 2.7 4.1#





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.151 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN027262.D

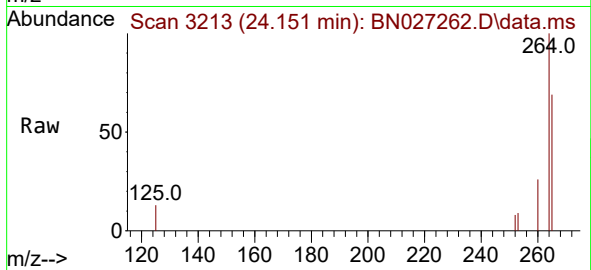
Acq: 30 Aug 2023 05:06

Instrument :

BNA_N

ClientSampleId :

TT180D1-20230821



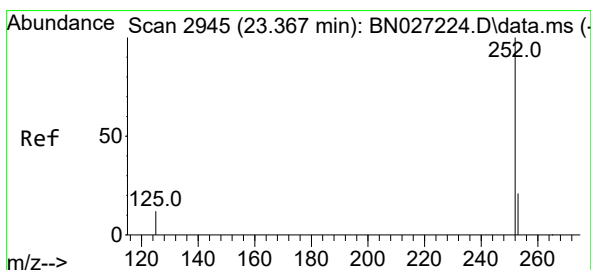
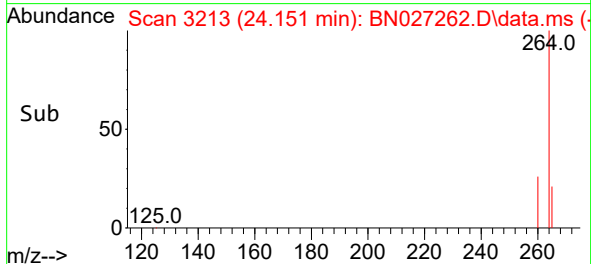
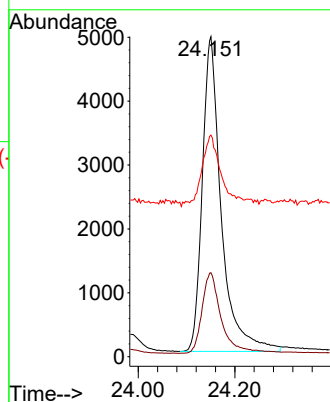
Tgt Ion:264 Resp: 13410

Ion Ratio Lower Upper

264 100

260 26.3 20.7 31.1

265 69.3 53.3 79.9



#37

Benzo(b)fluoranthene

Concen: 0.058 ng

RT: 23.364 min Scan# 2944

Delta R.T. -0.003 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

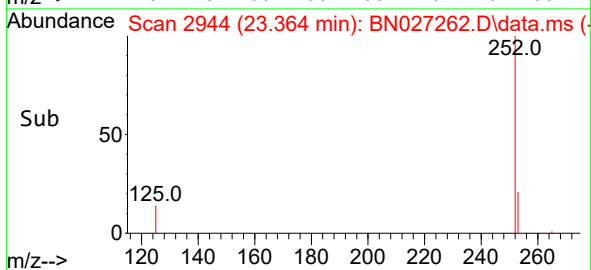
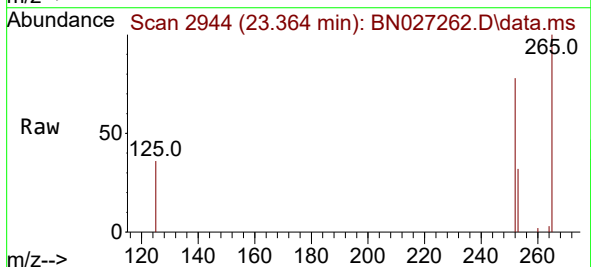
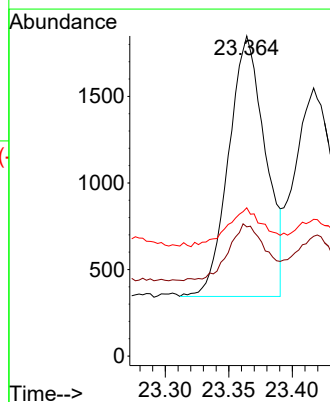
Tgt Ion:252 Resp: 3027

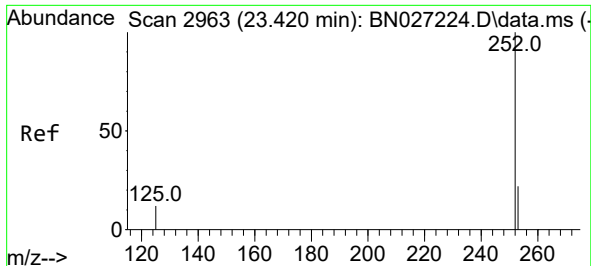
Ion Ratio Lower Upper

252 100

253 40.3 19.9 29.9#

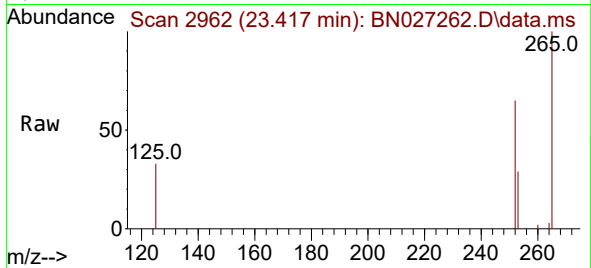
125 46.3 13.8 20.6#



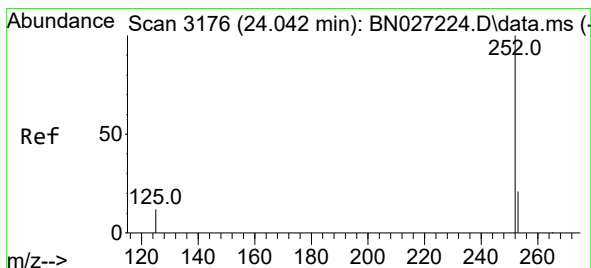
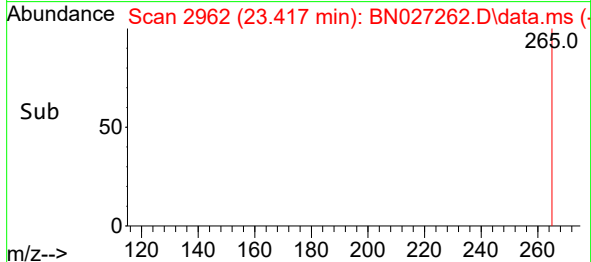
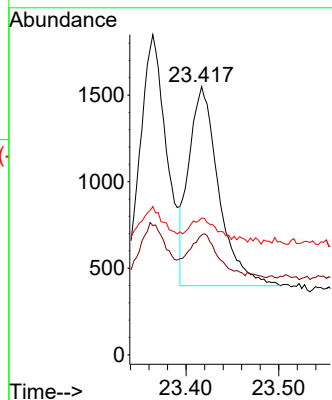


#38
Benzo(k)fluoranthene
Concen: 0.048 ng
RT: 23.417 min Scan# 2962
Delta R.T. -0.003 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821

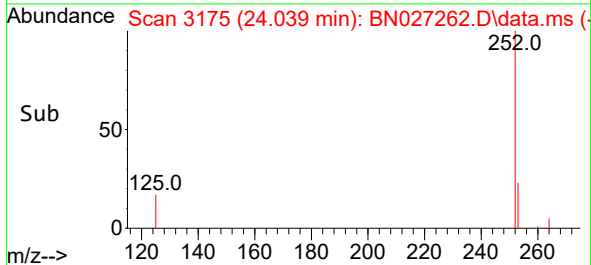
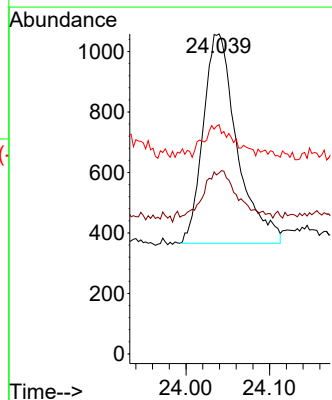
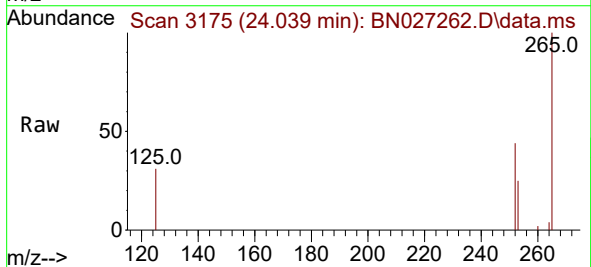


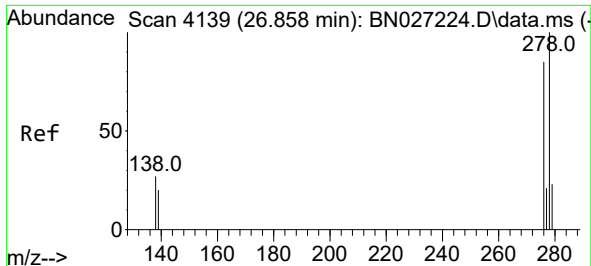
Tgt Ion:252 Resp: 2587
Ion Ratio Lower Upper
252 100
253 44.7 20.2 30.2#
125 51.0 14.1 21.1#



#39
Benzo(a)pyrene
Concen: 0.040 ng
RT: 24.039 min Scan# 3175
Delta R.T. -0.003 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

Tgt Ion:252 Resp: 1942
Ion Ratio Lower Upper
252 100
253 56.5 21.4 32.0#
125 71.6 16.5 24.7#

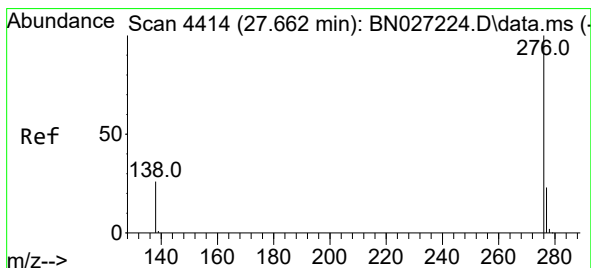
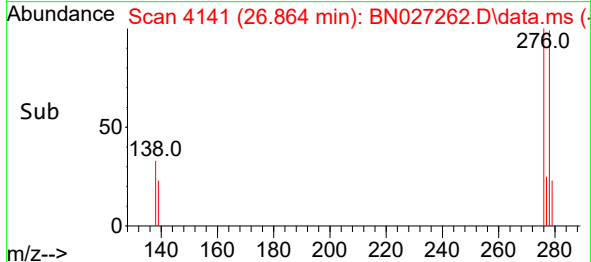
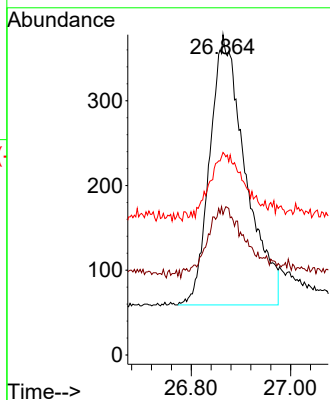
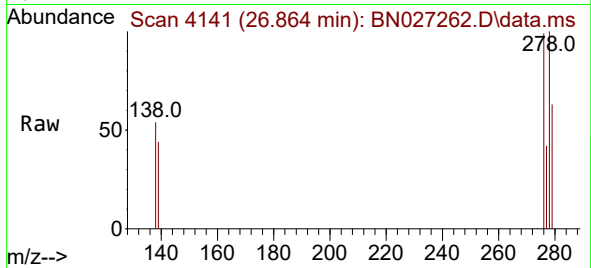




#40
Dibenzo(a,h)anthracene
Concen: 0.037 ng
RT: 26.864 min Scan# 4139
Delta R.T. 0.006 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821

Tgt Ion:278 Resp: 1585
Ion Ratio Lower Upper
278 100
139 43.9 17.9 26.9#
279 63.2 21.8 32.6#



#41
Benzo(g,h,i)perylene
Concen: 0.037 ng
RT: 27.665 min Scan# 4415
Delta R.T. 0.003 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

Tgt Ion:276 Resp: 1807
Ion Ratio Lower Upper
276 100
277 37.6 19.6 29.4#
138 42.8 22.1 33.1#

