

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
 Data File : BN027260.D
 Acq On : 30 Aug 2023 03:53
 Operator : MA/JU
 Sample : 04128-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE126D1-20230822

Quant Time: Aug 30 18:12:03 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

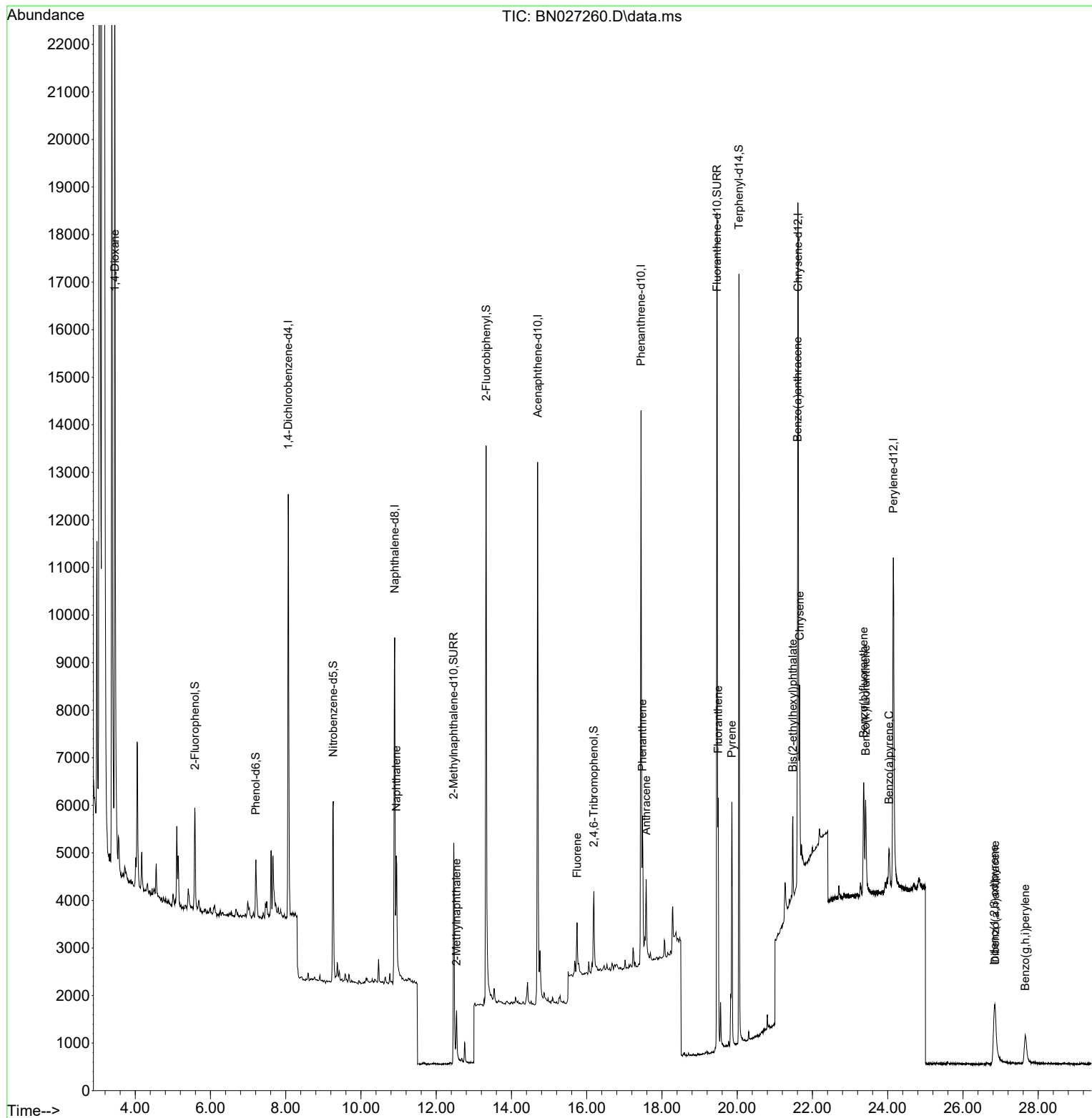
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	4344	0.400	ng	0.00
7) Naphthalene-d8	10.895	136	11831	0.400	ng	0.00
13) Acenaphthene-d10	14.694	164	7308	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	16729	0.400	ng	0.00
29) Chrysene-d12	21.614	240	14288	0.400	ng	# 0.00
35) Perylene-d12	24.150	264	12714	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	1943	0.172	ng	0.00
5) Phenol-d6	7.207	99	1272	0.092	ng	0.00
8) Nitrobenzene-d5	9.262	82	3674	0.426	ng	0.00
11) 2-Methylnaphthalene-d10	12.464	152	7807	0.449	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	1162	0.430	ng	0.00
15) 2-Fluorobiphenyl	13.325	172	12246	0.441	ng	0.00
27) Fluoranthene-d10	19.462	212	20725	0.498	ng	0.00
31) Terphenyl-d14	20.048	244	15322	0.534	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.458	88	15646	2.950	ng	93
9) Naphthalene	10.938	128	3651	0.113	ng	# 93
12) 2-Methylnaphthalene	12.540	142	803	0.035	ng	# 85
18) Fluorene	15.742	166	1022	0.035	ng	95
25) Phenanthrene	17.480	178	3212	0.065	ng	99
26) Anthracene	17.579	178	2138	0.051	ng	97
28) Fluoranthene	19.495	202	4575	0.079	ng	100
30) Pyrene	19.857	202	4597	0.081	ng	99
32) Benzo(a)anthracene	21.605	228	3428	0.070	ng	96
33) Chrysene	21.659	228	3637	0.068	ng	97
34) Bis(2-ethylhexyl)phtha...	21.479	149	1873	0.079	ng	99
36) Indeno(1,2,3-cd)pyrene	26.831	276	2550	0.049	ng	# 83
37) Benzo(b)fluoranthene	23.361	252	3622	0.074	ng	# 56
38) Benzo(k)fluoranthene	23.414	252	2872	0.057	ng	# 52
39) Benzo(a)pyrene	24.034	252	1711	0.037	ng	# 8
40) Dibenzo(a,h)anthracene	26.858	278	1884	0.047	ng	# 49
41) Benzo(g,h,i)perylene	27.656	276	1818	0.039	ng	# 63

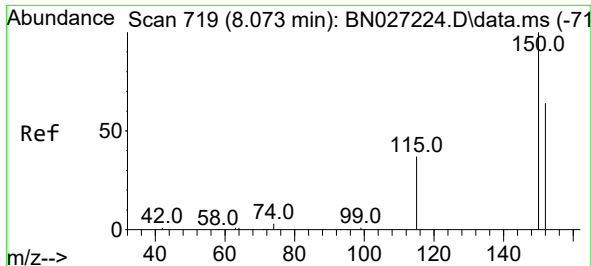
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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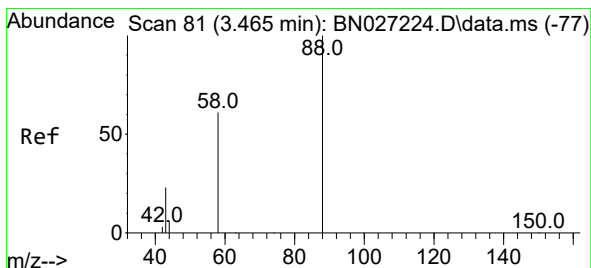
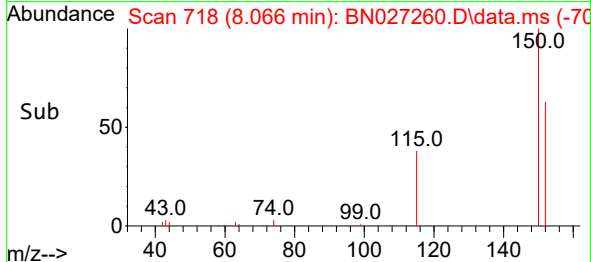
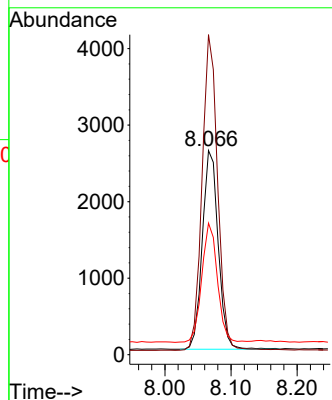
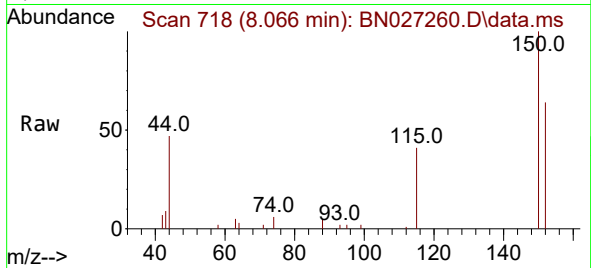




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.066 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: BN027260.D
 Acq: 30 Aug 2023 03:53

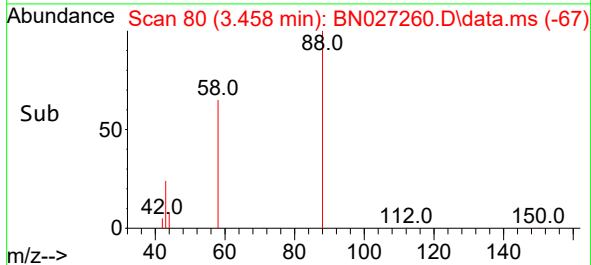
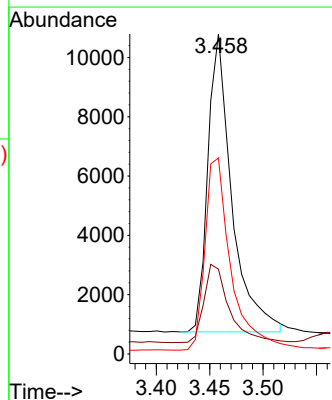
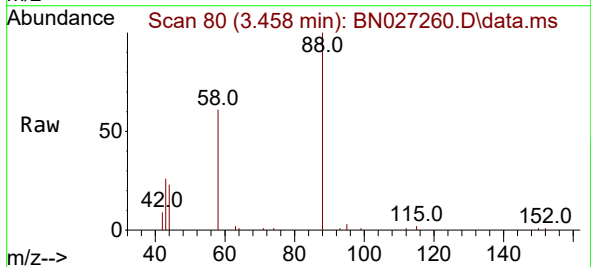
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 RE126D1-20230822

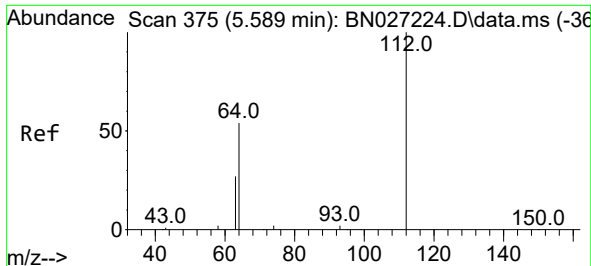
Tgt Ion:152 Resp: 4344
 Ion Ratio Lower Upper
 152 100
 150 156.7 122.7 184.1
 115 64.4 48.6 73.0



#2
 1,4-Dioxane
 Concen: 2.950 ng
 RT: 3.458 min Scan# 80
 Delta R.T. -0.007 min
 Lab File: BN027260.D
 Acq: 30 Aug 2023 03:53

Tgt Ion: 88 Resp: 15646
 Ion Ratio Lower Upper
 88 100
 43 27.9 19.1 28.7
 58 69.9 52.2 78.2

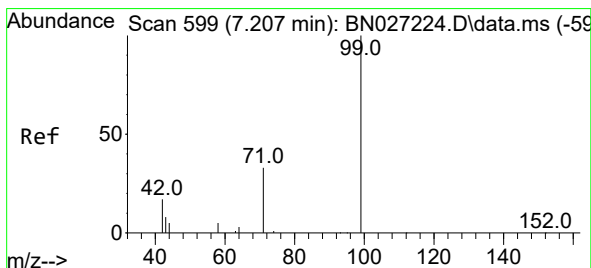
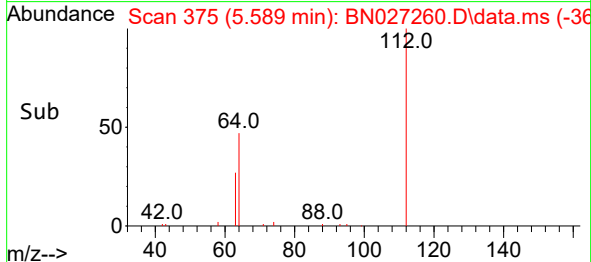
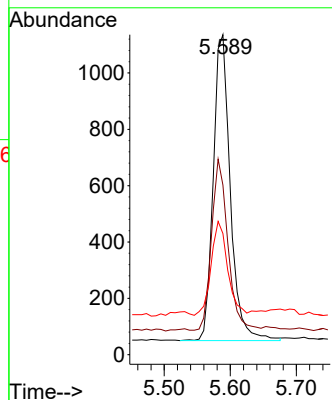
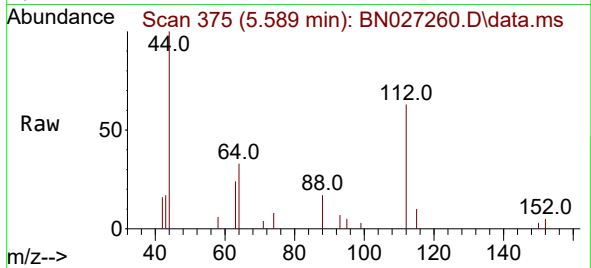




#4
2-Fluorophenol
Concen: 0.172 ng
RT: 5.589 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

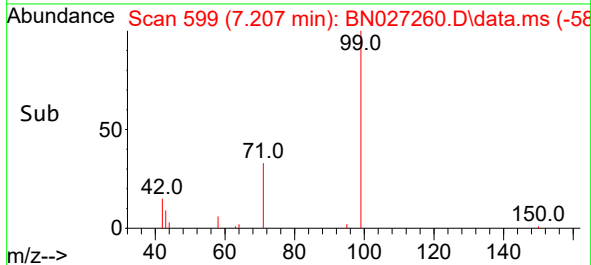
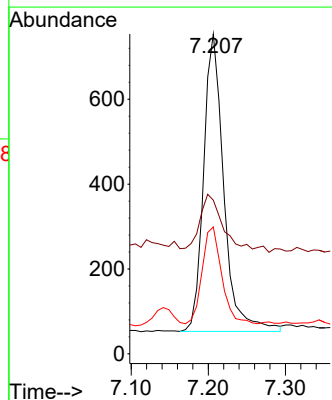
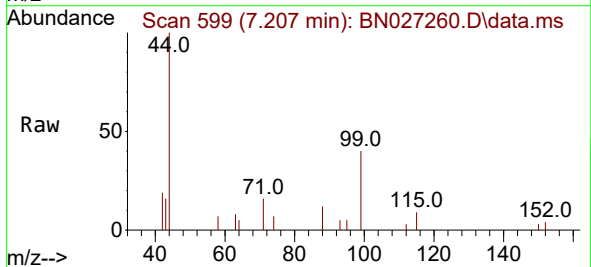
Instrument :
BNA_N
ClientSampleId :
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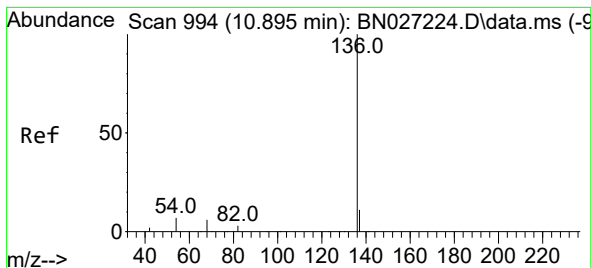
Tgt Ion:112 Resp: 1943
Ion Ratio Lower Upper
112 100
64 53.5 44.4 66.6
63 29.5 23.1 34.7



#5
Phenol-d6
Concen: 0.092 ng
RT: 7.207 min Scan# 599
Delta R.T. -0.000 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

Tgt Ion: 99 Resp: 1272
Ion Ratio Lower Upper
99 100
42 23.7 14.5 21.7#
71 31.6 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: BN027260.D

Acq: 30 Aug 2023 03:53

Instrument :

BNA_N

ClientSampleId :

RE126D1-20230822

Tgt Ion:136 Resp: 11831

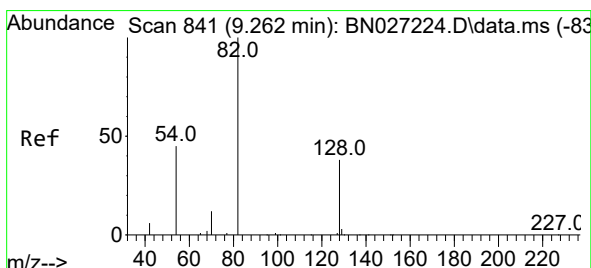
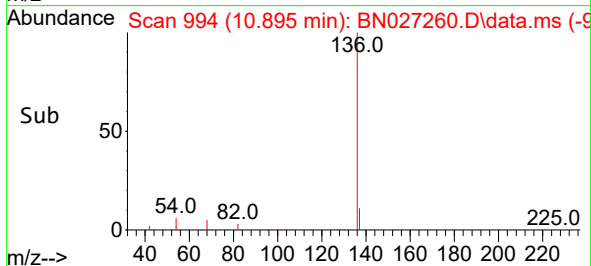
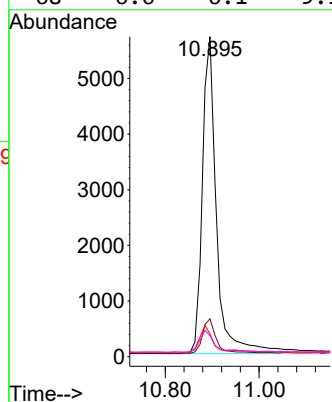
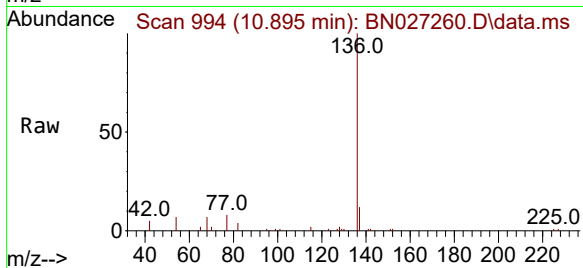
Ion Ratio Lower Upper

136 100

137 11.8 9.3 13.9

54 7.1 6.7 10.1

68 6.6 6.1 9.1



#8

Nitrobenzene-d5

Concen: 0.426 ng

RT: 9.262 min Scan# 841

Delta R.T. -0.000 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

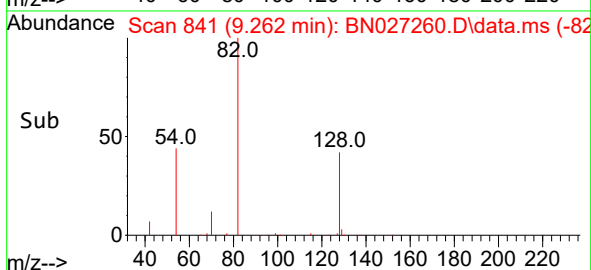
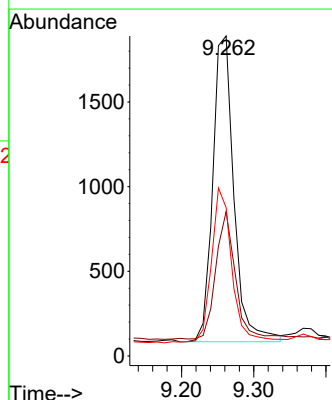
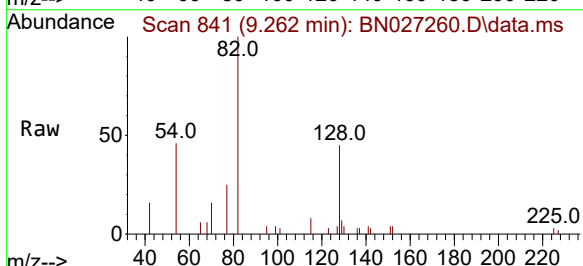
Tgt Ion: 82 Resp: 3674

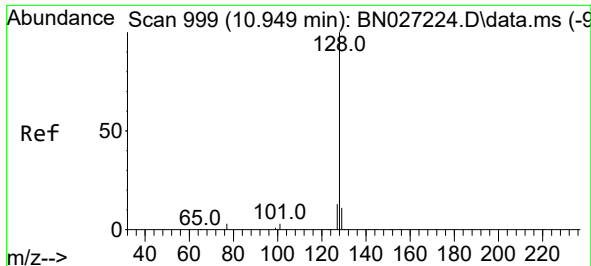
Ion Ratio Lower Upper

82 100

128 45.1 33.4 50.0

54 46.3 37.7 56.5

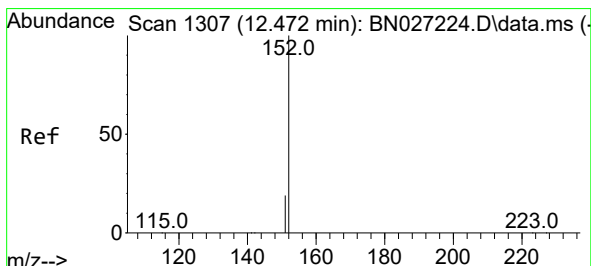
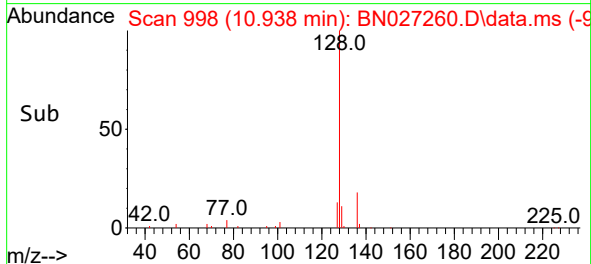
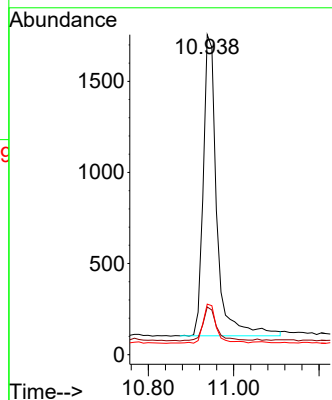
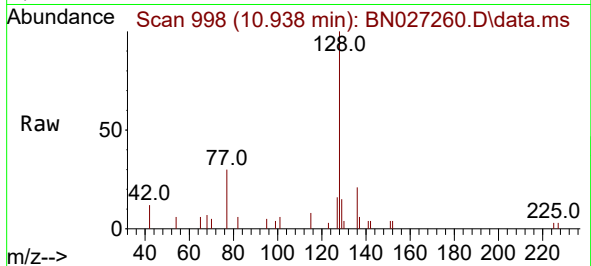




#9
Naphthalene
Concen: 0.113 ng
RT: 10.938 min Scan# 999
Delta R.T. -0.011 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

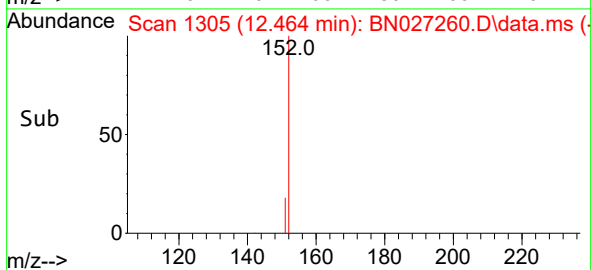
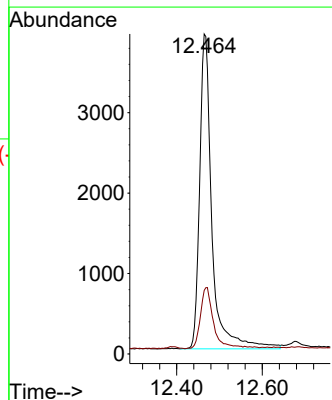
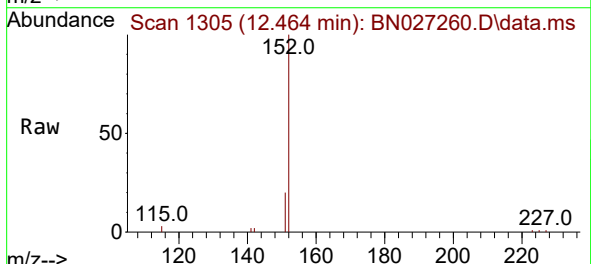
Instrument :
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ClientSampleId :
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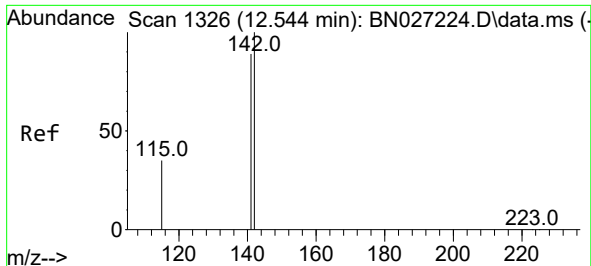
Tgt Ion:128 Resp: 3651
Ion Ratio Lower Upper
128 100
129 14.9 9.4 14.0#
127 15.8 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.449 ng
RT: 12.464 min Scan# 1305
Delta R.T. -0.008 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

Tgt Ion:152 Resp: 7807
Ion Ratio Lower Upper
152 100
151 20.4 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.035 ng

RT: 12.540 min Scan# 11

Delta R.T. -0.004 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

Instrument :

BNA_N

ClientSampleId :

RE126D1-20230822

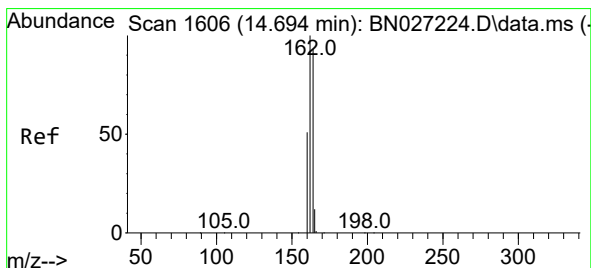
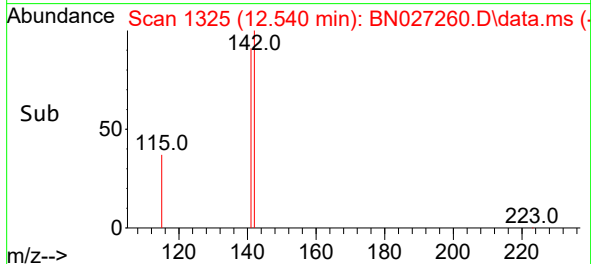
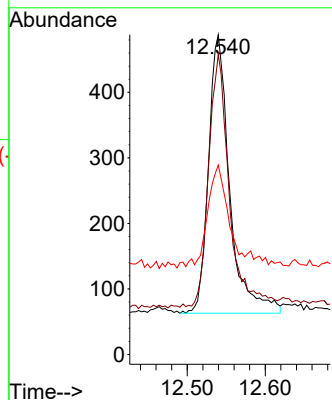
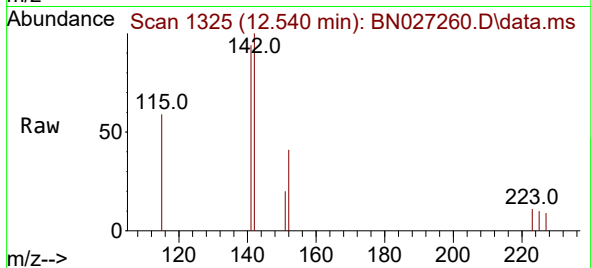
Tgt Ion:142 Resp: 803

Ion Ratio Lower Upper

142 100

141 93.9 71.1 106.7

115 59.2 29.6 44.4#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.694 min Scan# 1606

Delta R.T. -0.000 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

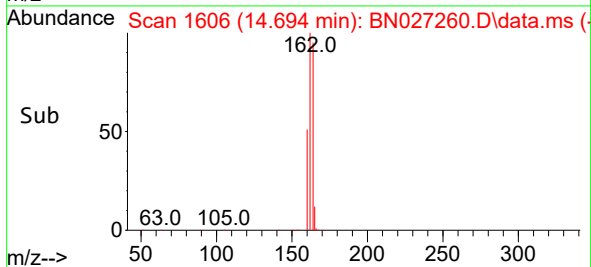
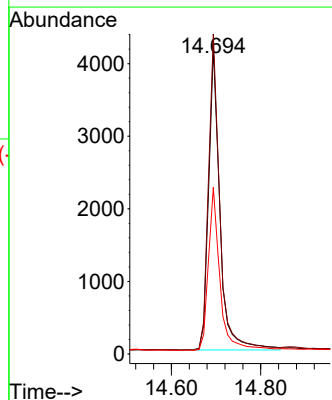
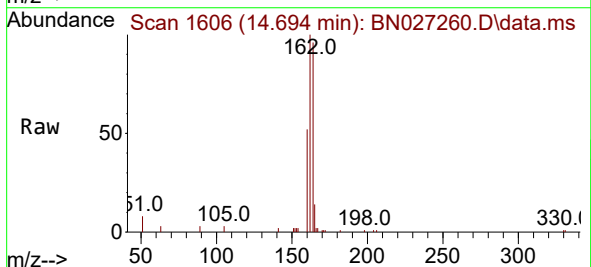
Tgt Ion:164 Resp: 7308

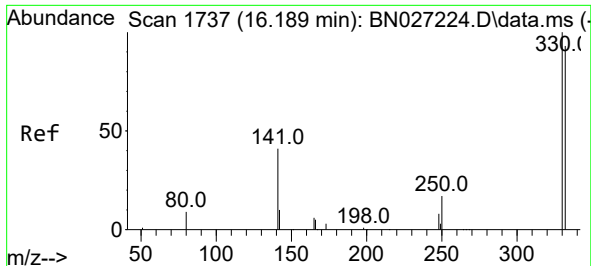
Ion Ratio Lower Upper

164 100

162 104.6 85.8 128.8

160 54.4 44.2 66.2

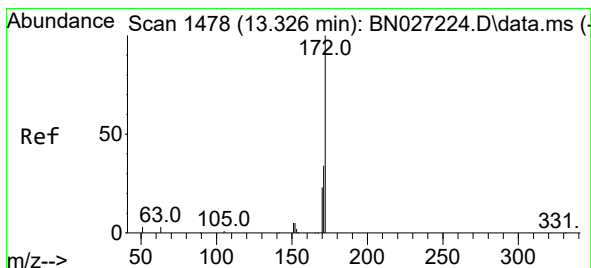
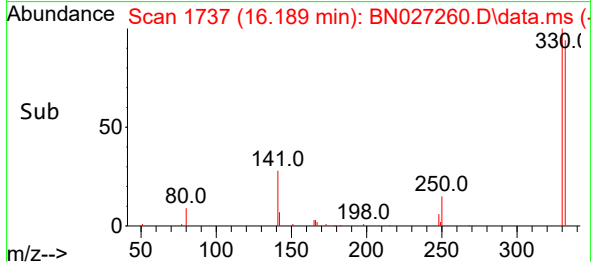
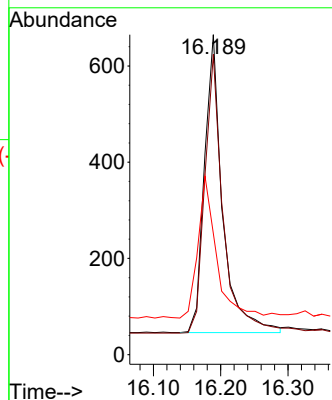
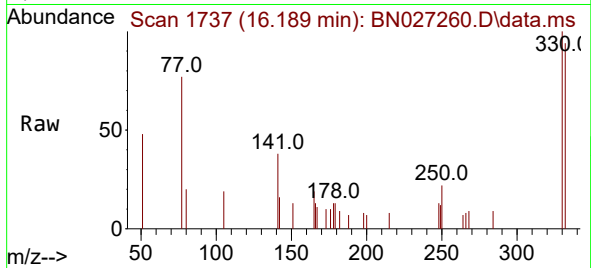




#14
2,4,6-Tribromophenol
Concen: 0.430 ng
RT: 16.189 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

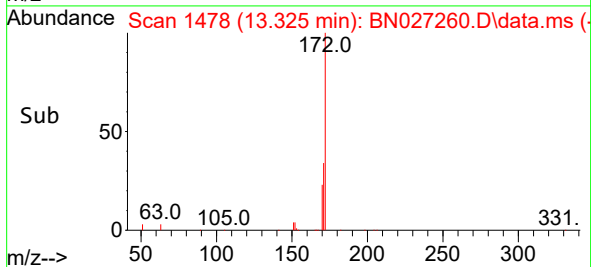
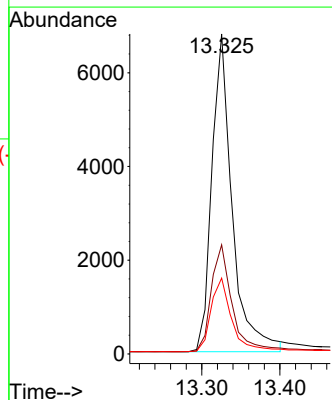
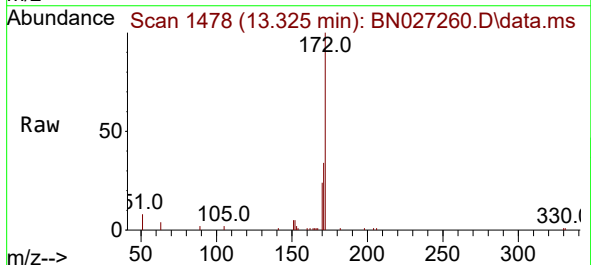
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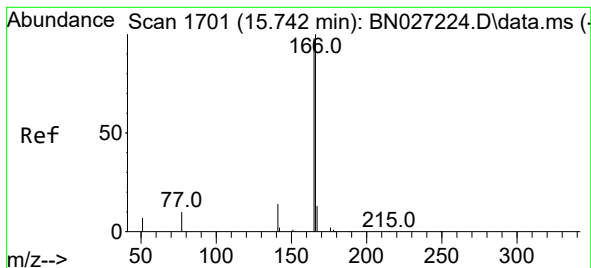
Tgt Ion:330 Resp: 1162
Ion Ratio Lower Upper
330 100
332 94.5 75.2 112.8
141 48.8 36.2 54.4



#15
2-Fluorobiphenyl
Concen: 0.441 ng
RT: 13.325 min Scan# 1478
Delta R.T. -0.000 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

Tgt Ion:172 Resp: 12246
Ion Ratio Lower Upper
172 100
171 34.1 27.8 41.8
170 23.7 19.3 28.9





#18

Fluorene

Concen: 0.035 ng

RT: 15.742 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

Instrument :

BNA_N

ClientSampleId :

RE126D1-20230822

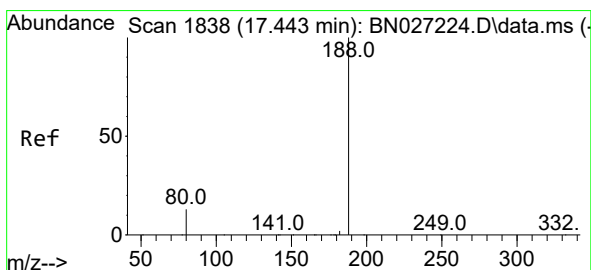
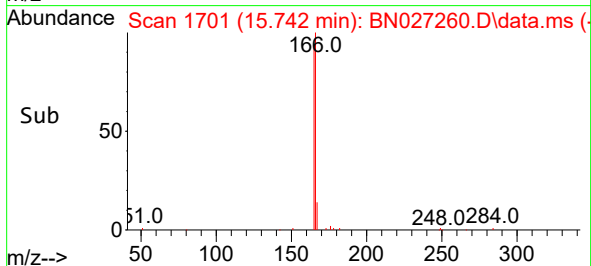
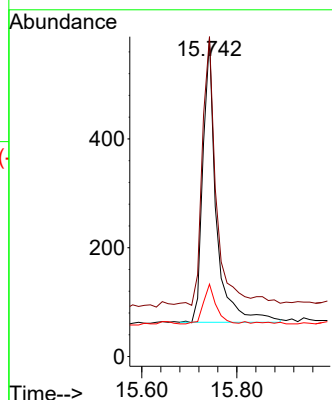
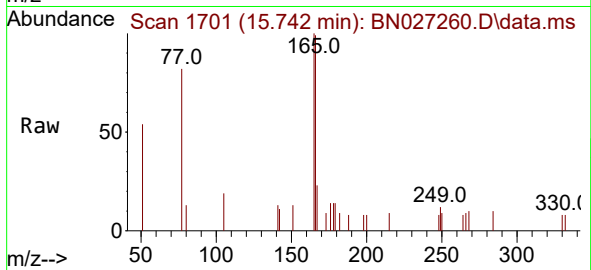
Tgt Ion:166 Resp: 1022

Ion Ratio Lower Upper

166 100

165 93.2 79.0 118.4

167 13.5 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: BN027260.D

Acq: 30 Aug 2023 03:53

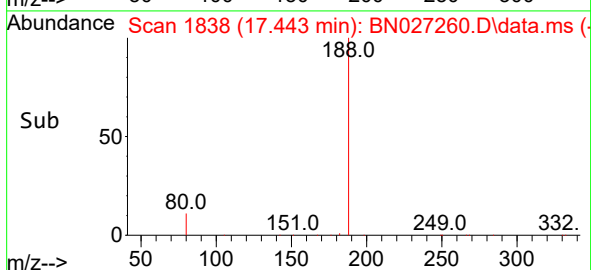
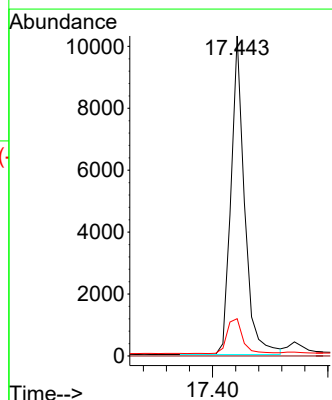
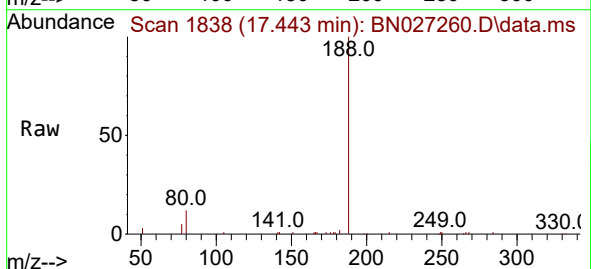
Tgt Ion:188 Resp: 16729

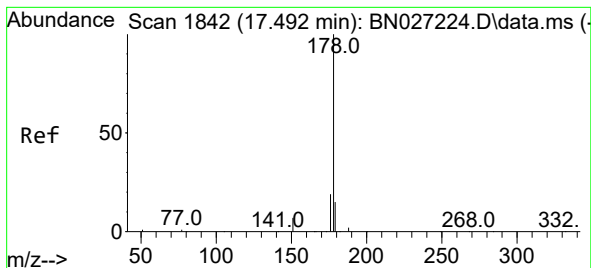
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.7 11.0 16.6





#25

Phenanthrene

Concen: 0.065 ng

RT: 17.480 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

Instrument :

BNA_N

ClientSampleId :

RE126D1-20230822

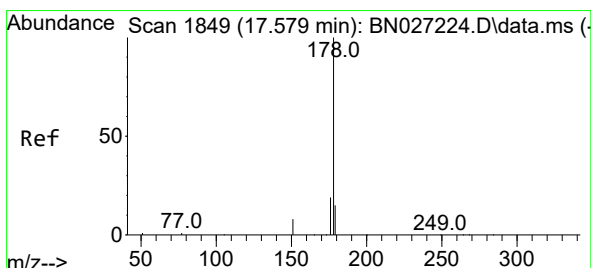
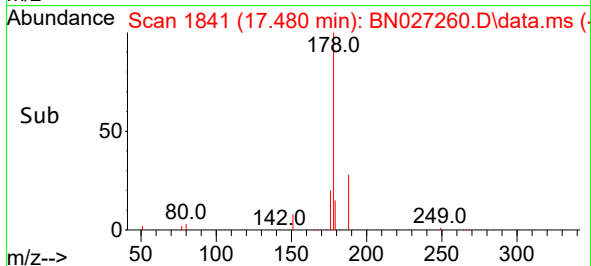
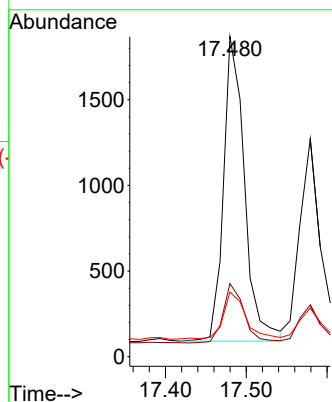
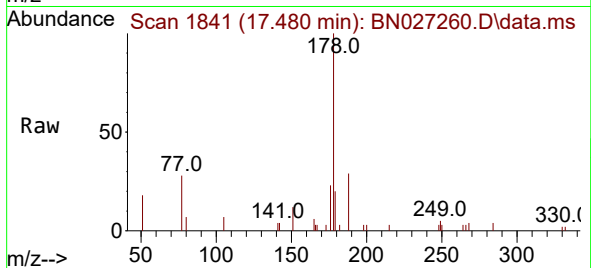
Tgt Ion:178 Resp: 3212

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 16.1 12.3 18.5



#26

Anthracene

Concen: 0.051 ng

RT: 17.579 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

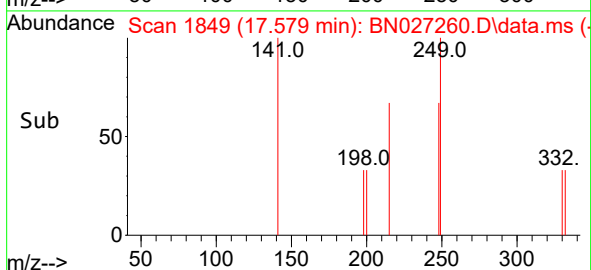
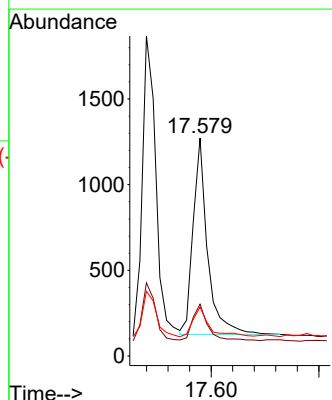
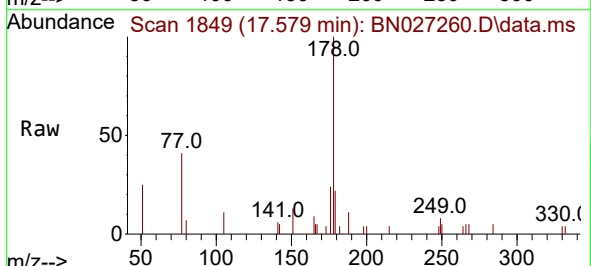
Tgt Ion:178 Resp: 2138

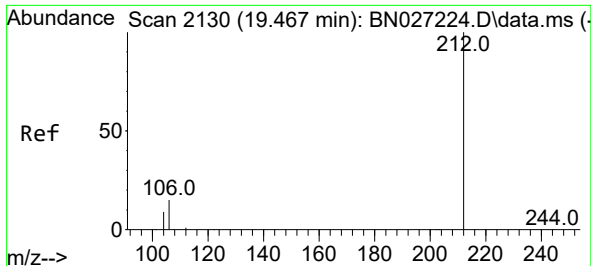
Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

179 17.2 12.0 18.0

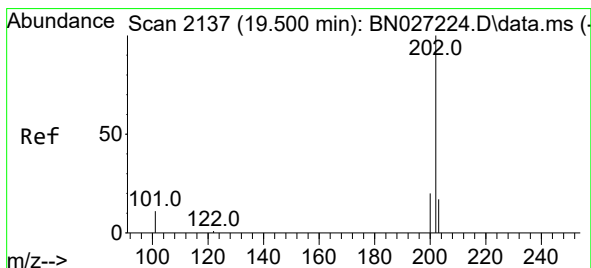
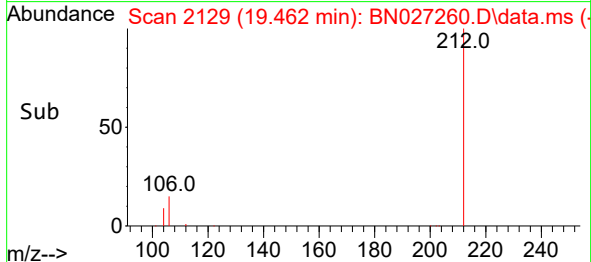
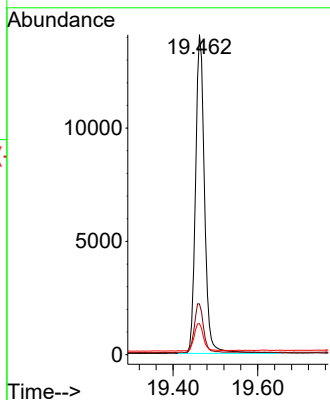
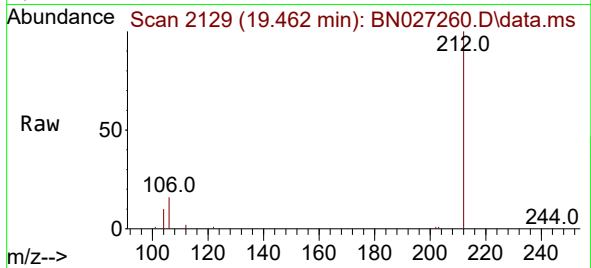




#27
Fluoranthene-d10
Concen: 0.498 ng
RT: 19.462 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

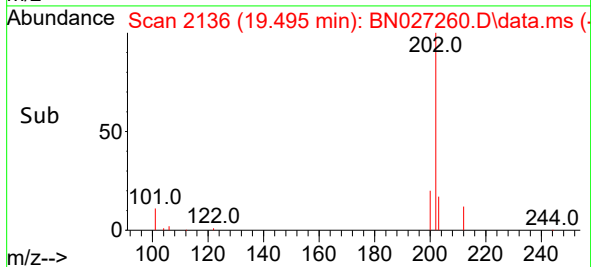
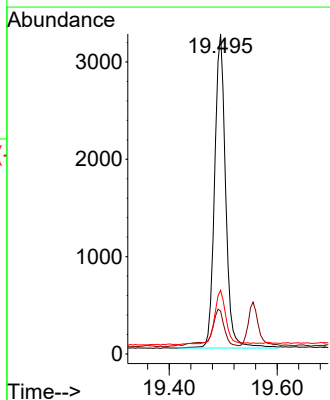
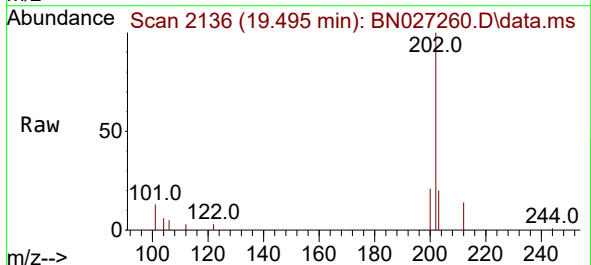
Instrument :
BNA_N
ClientSampleId :
RE126D1-20230822

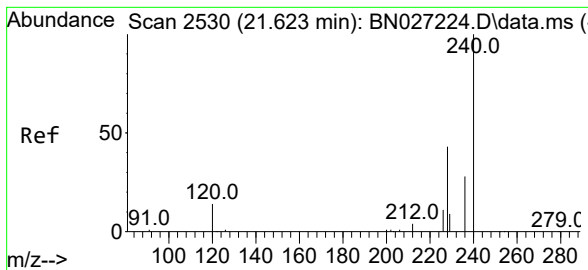
Tgt Ion:212 Resp: 20725
Ion Ratio Lower Upper
212 100
106 15.7 12.1 18.1
104 9.2 6.9 10.3



#28
Fluoranthene
Concen: 0.079 ng
RT: 19.495 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

Tgt Ion:202 Resp: 4575
Ion Ratio Lower Upper
202 100
101 12.1 9.6 14.4
203 16.8 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.614 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

Instrument :

BNA_N

ClientSampleId :

RE126D1-20230822

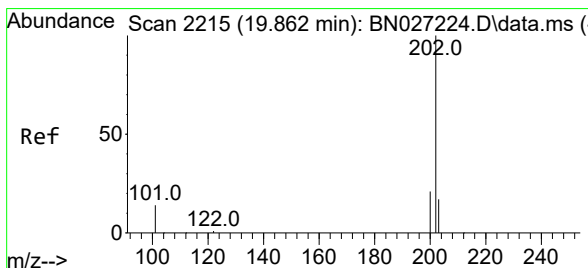
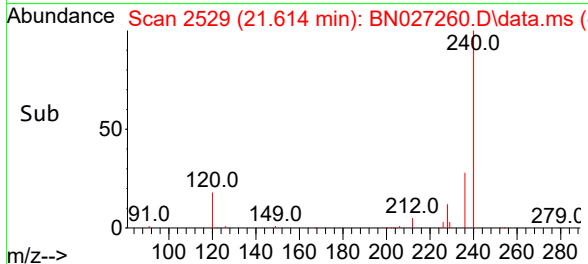
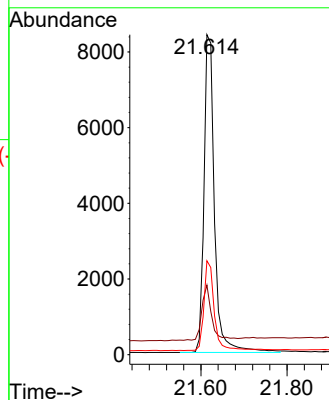
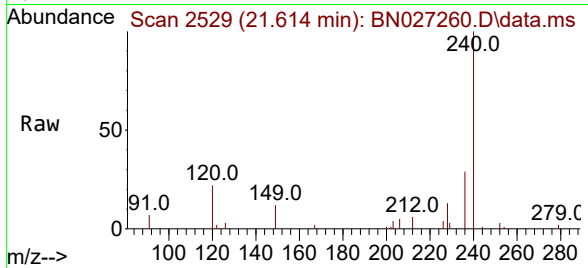
Tgt Ion:240 Resp: 14288

Ion Ratio Lower Upper

240 100

120 21.8 14.2 21.4#

236 29.3 22.9 34.3



#30

Pyrene

Concen: 0.081 ng

RT: 19.857 min Scan# 2214

Delta R.T. -0.005 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

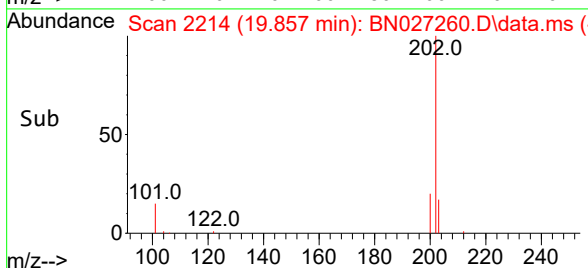
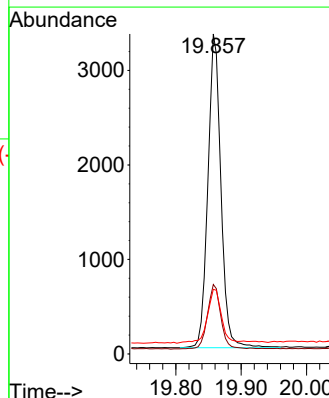
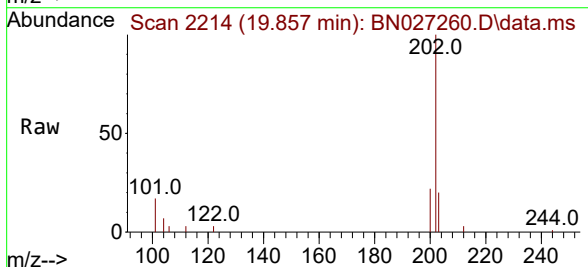
Tgt Ion:202 Resp: 4597

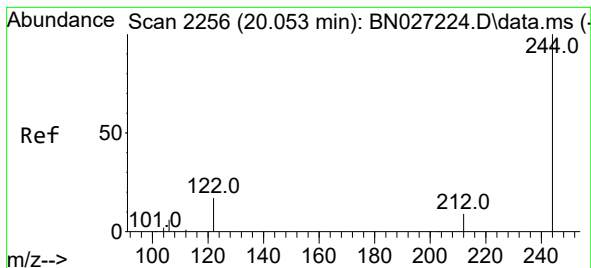
Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

203 18.7 14.2 21.4





#31

Terphenyl-d14

Concen: 0.534 ng

RT: 20.048 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

Instrument :

BNA_N

ClientSampleId :

RE126D1-20230822

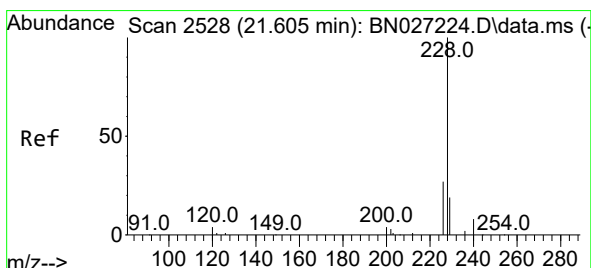
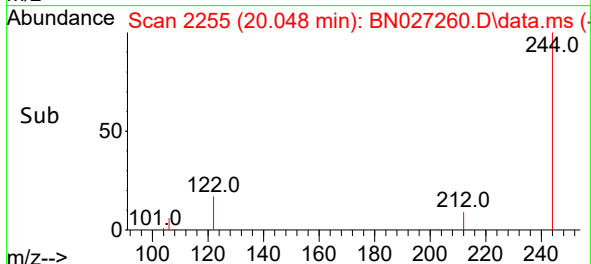
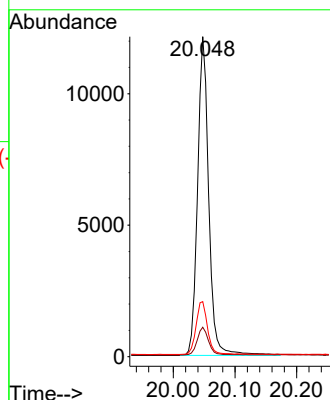
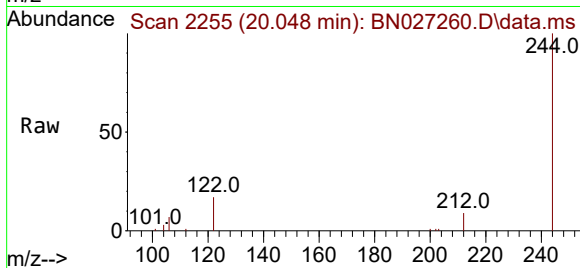
Tgt Ion:244 Resp: 15322

Ion Ratio Lower Upper

244 100

212 9.2 7.5 11.3

122 17.2 14.0 21.0



#32

Benzo(a)anthracene

Concen: 0.070 ng

RT: 21.605 min Scan# 2528

Delta R.T. -0.000 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

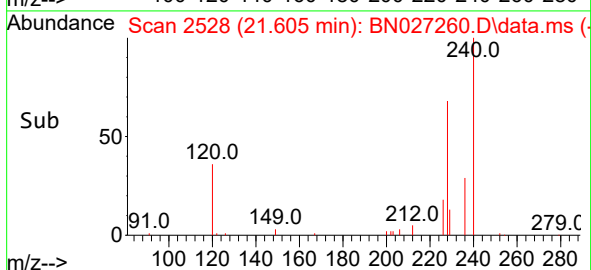
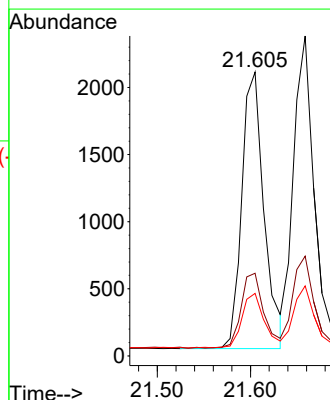
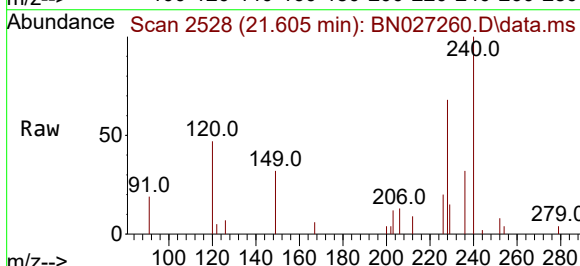
Tgt Ion:228 Resp: 3428

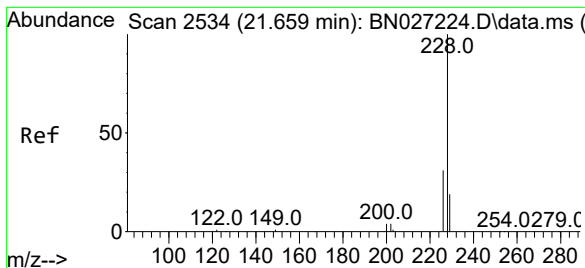
Ion Ratio Lower Upper

228 100

226 29.1 21.9 32.9

229 22.0 15.7 23.5





#33

Chrysene

Concen: 0.068 ng

RT: 21.659 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

Instrument :

BNA_N

ClientSampleId :

RE126D1-20230822

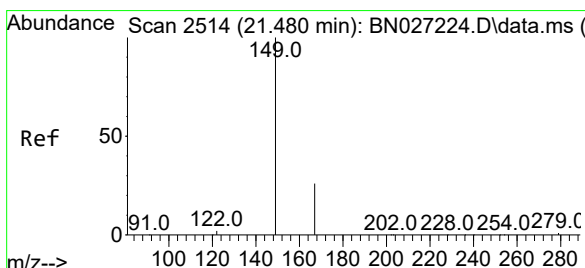
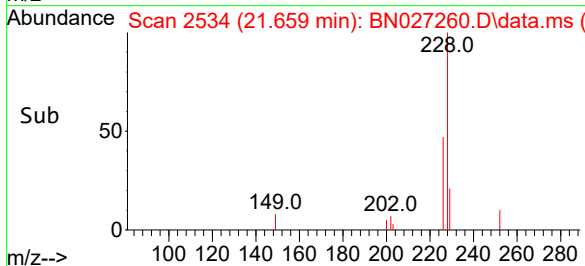
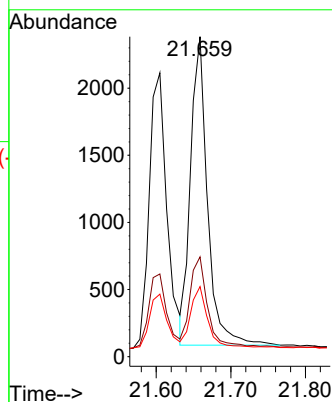
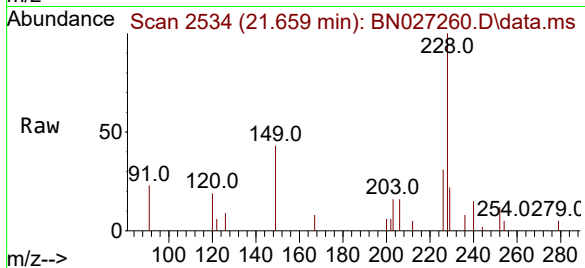
Tgt Ion:228 Resp: 3637

Ion Ratio Lower Upper

228 100

226 31.2 24.3 36.5

229 21.9 15.4 23.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.079 ng

RT: 21.479 min Scan# 2514

Delta R.T. -0.000 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

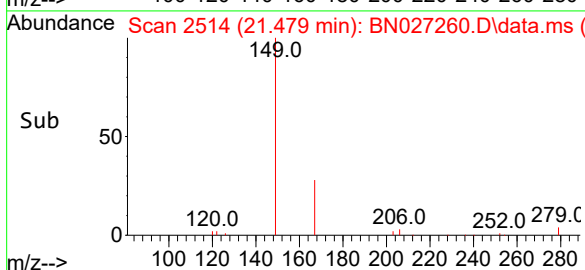
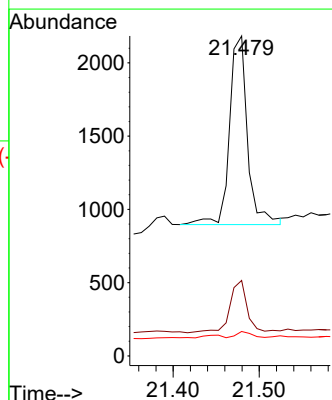
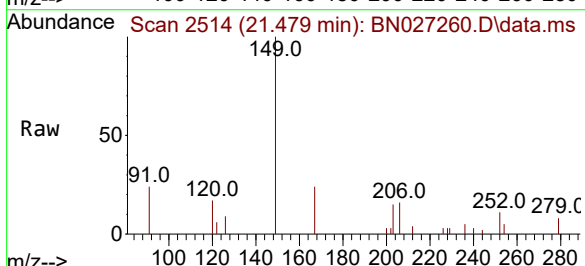
Tgt Ion:149 Resp: 1873

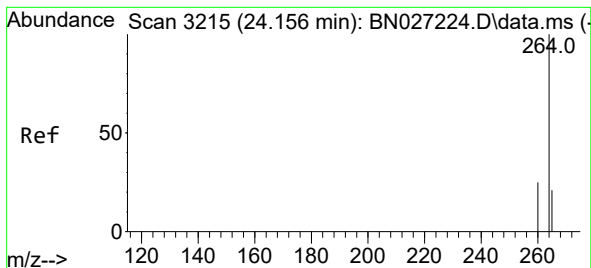
Ion Ratio Lower Upper

149 100

167 27.3 22.1 33.1

279 2.7 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.150 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

Instrument :

BNA_N

ClientSampleId :

RE126D1-20230822

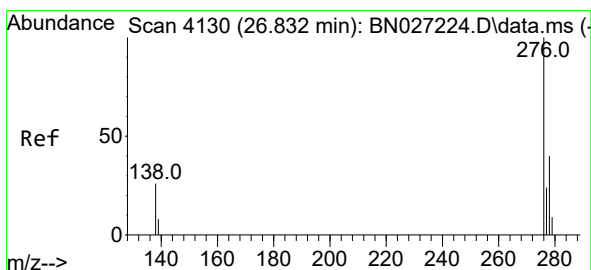
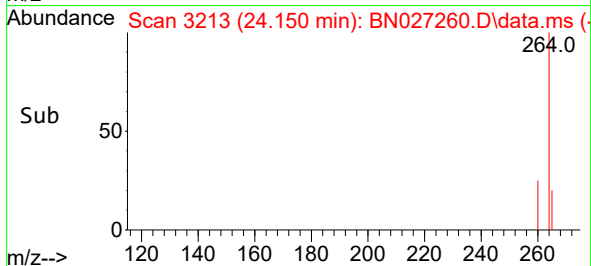
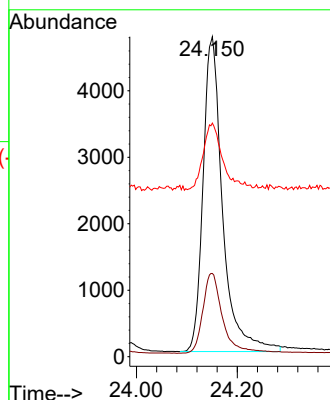
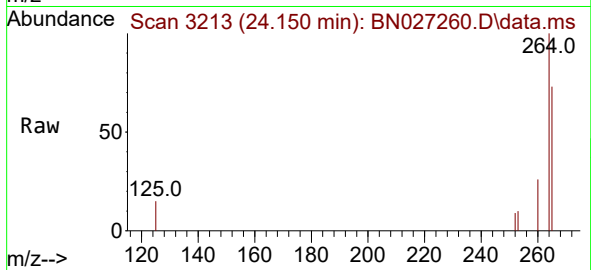
Tgt Ion:264 Resp: 12714

Ion Ratio Lower Upper

264 100

260 26.0 20.7 31.1

265 73.0 53.3 79.9



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.049 ng

RT: 26.831 min Scan# 4130

Delta R.T. -0.000 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

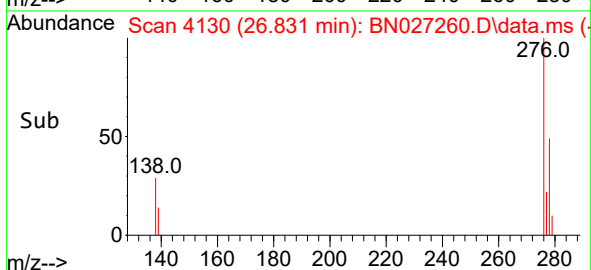
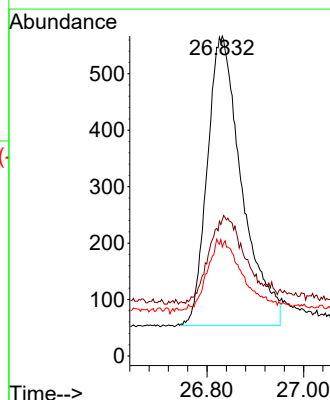
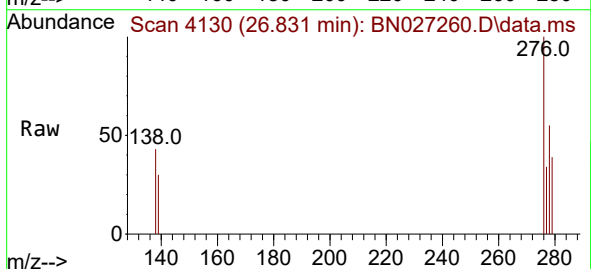
Tgt Ion:276 Resp: 2550

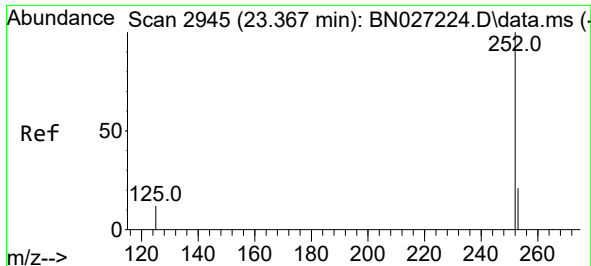
Ion Ratio Lower Upper

276 100

138 31.2 23.4 35.2

277 7.9 19.8 29.8#

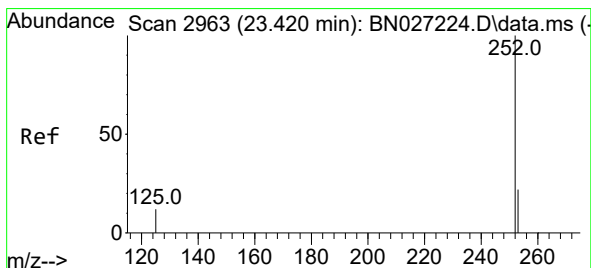
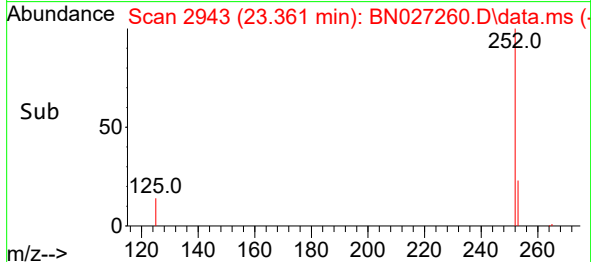
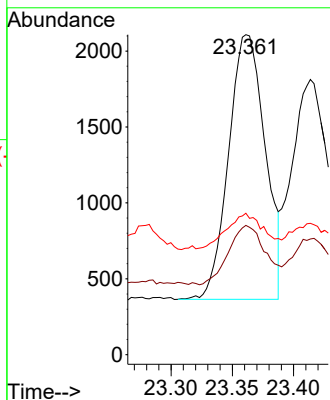
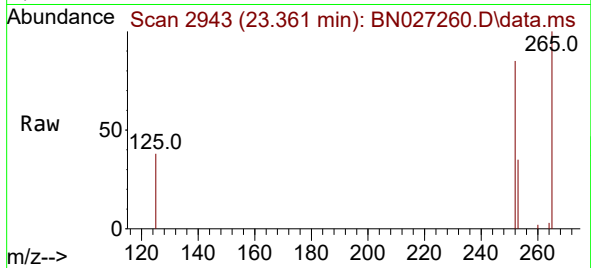




#37
Benzo(b)fluoranthene
Concen: 0.074 ng
RT: 23.361 min Scan# 2943
Delta R.T. -0.006 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

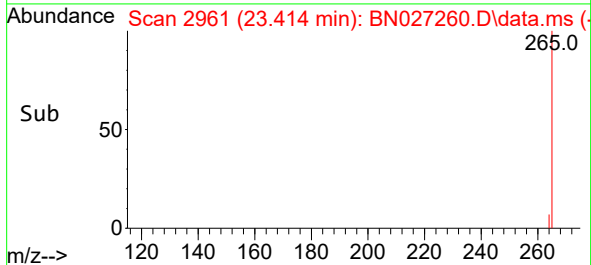
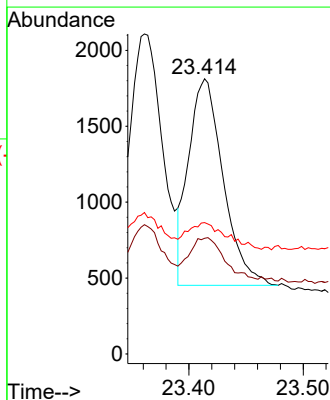
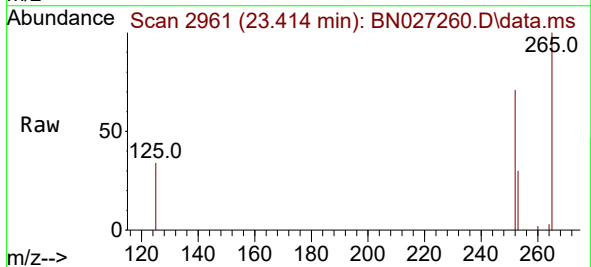
Instrument :
BNA_N
ClientSampleId :
RE126D1-20230822

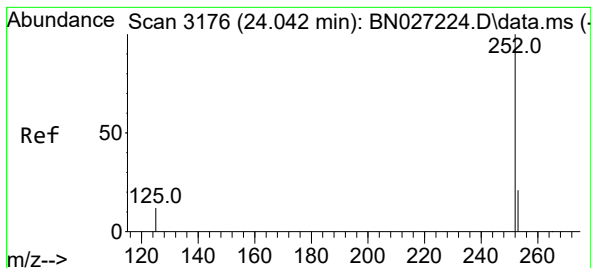
Tgt Ion:252 Resp: 3622
Ion Ratio Lower Upper
252 100
253 40.4 19.9 29.9#
125 44.2 13.8 20.6#



#38
Benzo(k)fluoranthene
Concen: 0.057 ng
RT: 23.414 min Scan# 2961
Delta R.T. -0.006 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

Tgt Ion:252 Resp: 2872
Ion Ratio Lower Upper
252 100
253 42.0 20.2 30.2#
125 47.8 14.1 21.1#





#39

Benzo(a)pyrene

Concen: 0.037 ng

RT: 24.034 min Scan# 3173

Delta R.T. -0.009 min

Lab File: BN027260.D

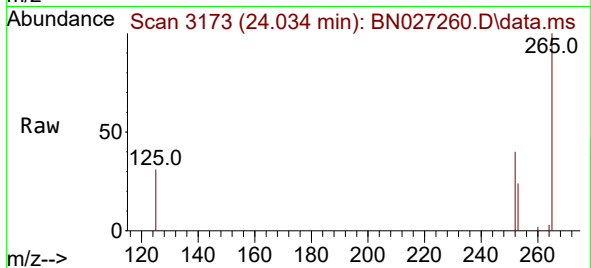
Acq: 30 Aug 2023 03:53

Instrument :

BN027260.D

ClientSampleId :

RE126D1-20230822



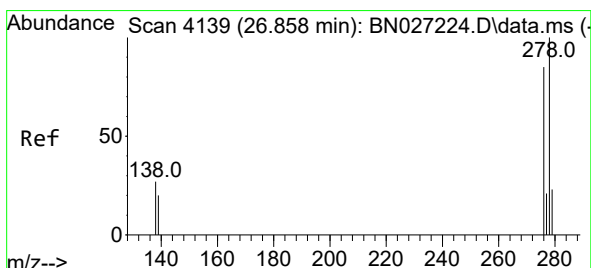
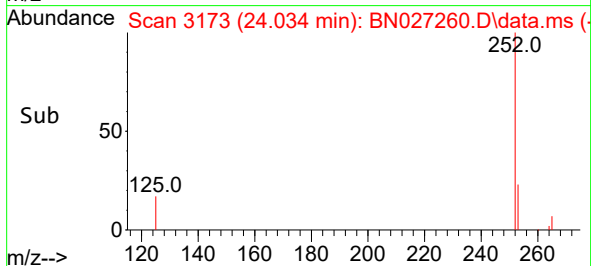
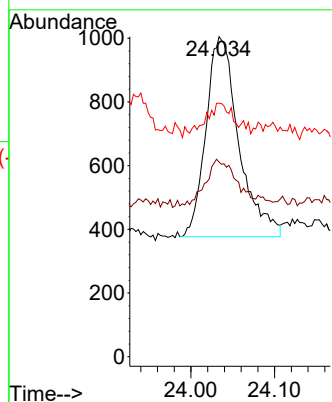
Tgt Ion:252 Resp: 1711

Ion Ratio Lower Upper

252 100

253 60.8 21.4 32.0#

125 79.2 16.5 24.7#



#40

Dibenzo(a,h)anthracene

Concen: 0.047 ng

RT: 26.858 min Scan# 4139

Delta R.T. -0.000 min

Lab File: BN027260.D

Acq: 30 Aug 2023 03:53

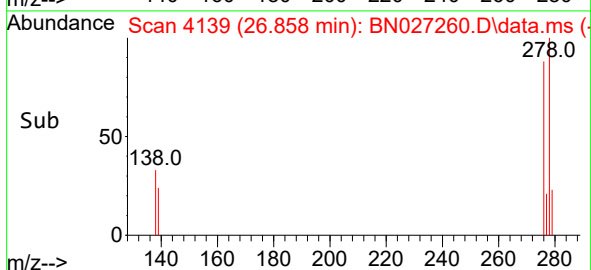
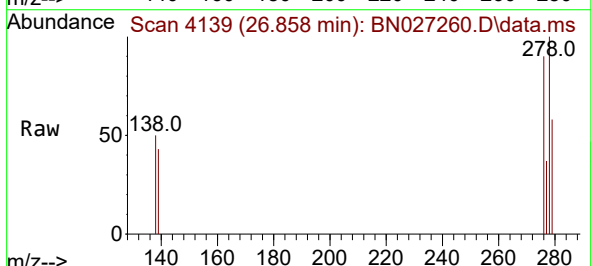
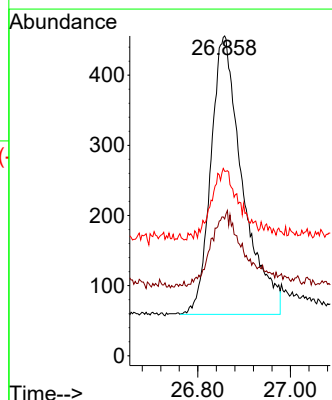
Tgt Ion:278 Resp: 1884

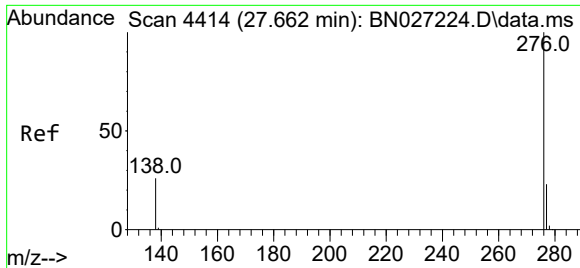
Ion Ratio Lower Upper

278 100

139 42.8 17.9 26.9#

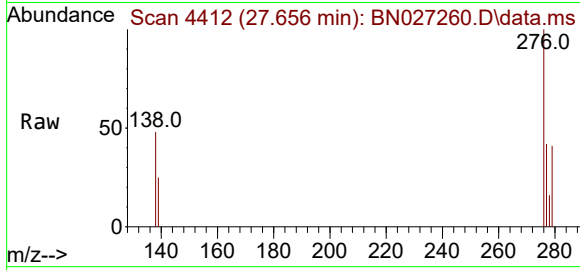
279 57.7 21.8 32.6#





#41
Benzo(g,h,i)perylene
Concen: 0.039 ng
RT: 27.656 min Scan# 441
Delta R.T. -0.006 min
Lab File: BN027260.D
Acq: 30 Aug 2023 03:53

Instrument :
BNA_N
ClientSampleId :
RE126D1-20230822



Tgt Ion:276 Resp: 1818
Ion Ratio Lower Upper
276 100
277 41.7 19.6 29.4#
138 47.9 22.1 33.1#

