

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
 Data File : BN027134.D
 Acq On : 26 Aug 2023 00:39
 Operator : MA/JU
 Sample : 04025-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE126D3-20230814

Quant Time: Aug 26 02:19:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 02:13:59 2023
 Response via : Initial Calibration

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

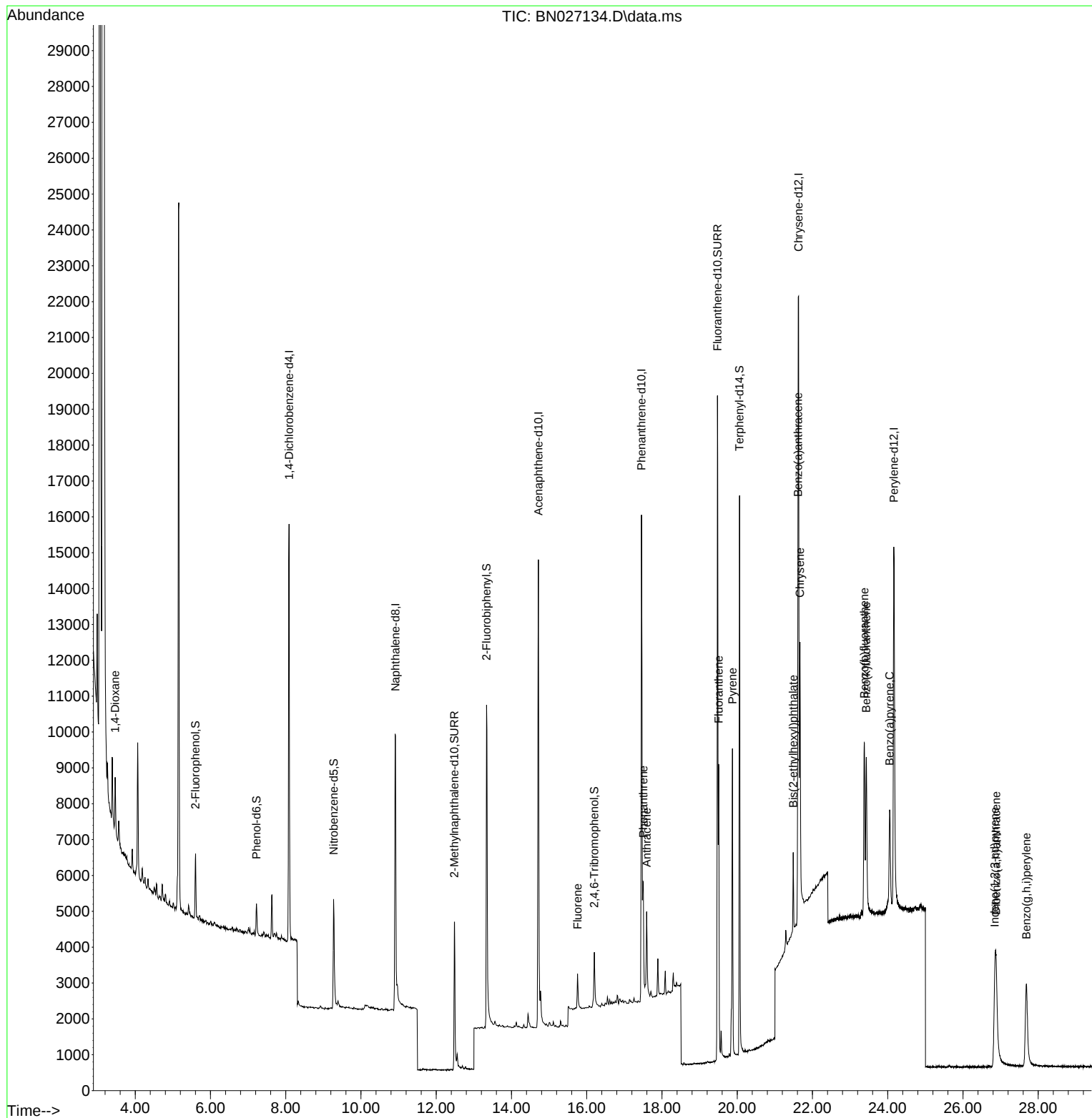
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	5854	0.400	ng	0.00
7) Naphthalene-d8	10.917	136	13372	0.400	ng	0.01
13) Acenaphthene-d10	14.715	164	8941	0.400	ng	0.01
19) Phenanthrene-d10	17.455	188	20951	0.400	ng	# 0.00
29) Chrysene-d12	21.632	240	17801	0.400	ng	0.00
35) Perylene-d12	24.162	264	17425	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.603	112	1543	0.094	ng	0.00
5) Phenol-d6	7.221	99	933	0.046	ng	0.00
8) Nitrobenzene-d5	9.272	82	2871	0.254	ng	0.00
11) 2-Methylnaphthalene-d10	12.483	152	6595	0.310	ng	0.00
14) 2,4,6-Tribromophenol	16.201	330	1015	0.213	ng	0.00
15) 2-Fluorobiphenyl	13.336	172	10125	0.305	ng	0.00
27) Fluoranthene-d10	19.476	212	21378	0.398	ng	0.00
31) Terphenyl-d14	20.062	244	16529	0.444	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.465	88	1250	0.199	ng	# 78
18) Fluorene	15.755	166	881	0.025	ng	97
25) Phenanthrene	17.505	178	3751	0.062	ng	96
26) Anthracene	17.592	178	3009	0.054	ng	100
28) Fluoranthene	19.509	202	7520	0.105	ng	97
30) Pyrene	19.871	202	7899	0.115	ng	100
32) Benzo(a)anthracene	21.614	228	6428	0.100	ng	97
33) Chrysene	21.668	228	7171	0.111	ng	99
34) Bis(2-ethylhexyl)phtha...	21.488	149	2466	0.053	ng	# 91
36) Indeno(1,2,3-cd)pyrene	26.843	276	6901	0.097	ng	99
37) Benzo(b)fluoranthene	23.379	252	7607	0.130	ng	# 73
38) Benzo(k)fluoranthene	23.431	252	6815	0.114	ng	# 71
39) Benzo(a)pyrene	24.051	252	5661	0.097	ng	# 58
40) Dibenzo(a,h)anthracene	26.884	278	5318	0.094	ng	# 76
41) Benzo(g,h,i)perylene	27.685	276	6575	0.108	ng	# 90

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

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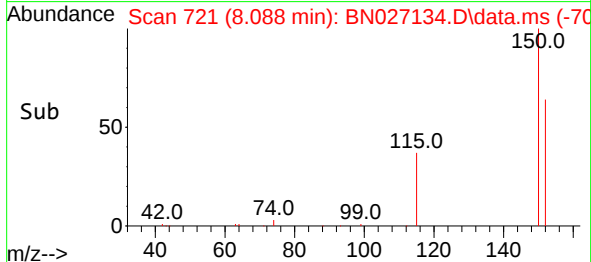
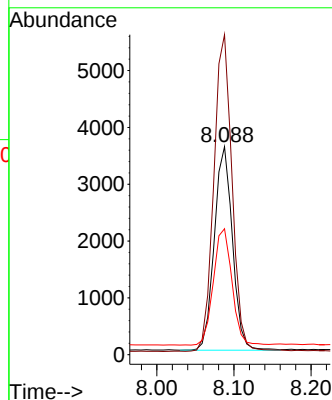
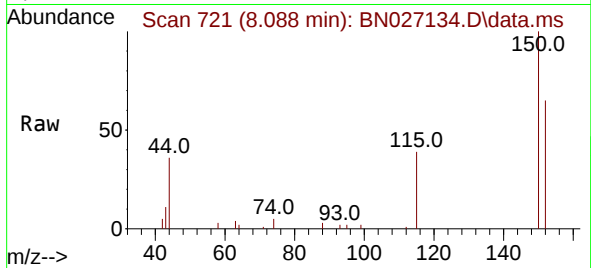




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.088 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BN027134.D
 Acq: 26 Aug 2023 00:39

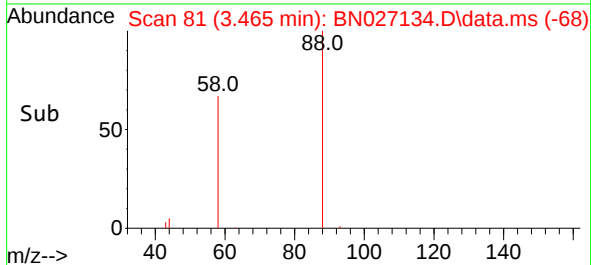
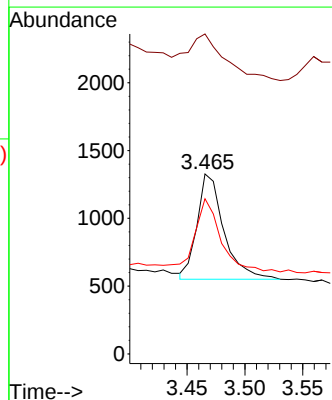
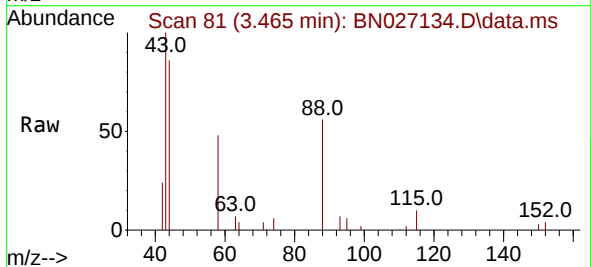
Instrument :
 BNA_N
 ClientSampleId :
 RE126D3-20230814

Tgt Ion:152 Resp: 5854
 Ion Ratio Lower Upper
 152 100
 150 153.8 123.8 185.6
 115 60.5 49.7 74.5



#2
 1,4-Dioxane
 Concen: 0.199 ng
 RT: 3.465 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BN027134.D
 Acq: 26 Aug 2023 00:39

Tgt Ion: 88 Resp: 1250
 Ion Ratio Lower Upper
 88 100
 43 64.0 19.2 28.8#
 58 68.9 54.5 81.7





#4

2-Fluorophenol

Concen: 0.094 ng

RT: 5.603 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN027134.D

Acq: 26 Aug 2023 00:39

Instrument :

BNA_N

ClientSampleId :

RE126D3-20230814

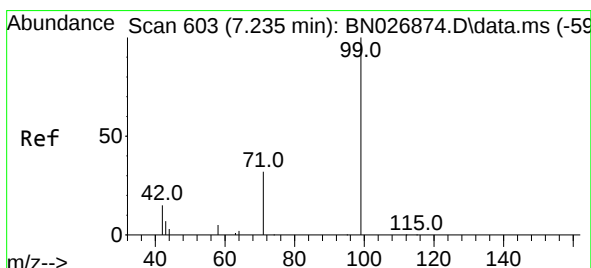
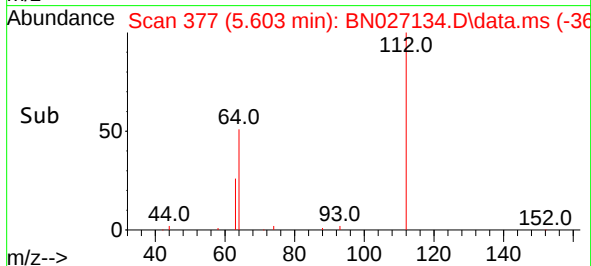
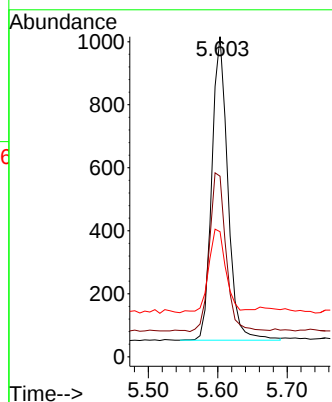
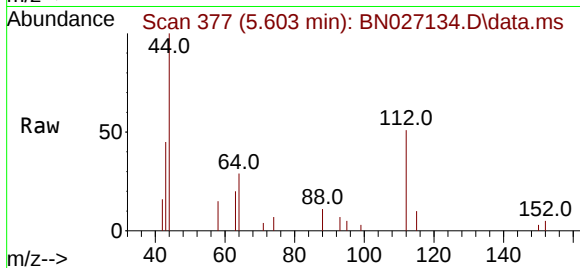
Tgt Ion:112 Resp: 1543

Ion Ratio Lower Upper

112 100

64 54.4 41.5 62.3

63 29.7 21.7 32.5



#5

Phenol-d6

Concen: 0.046 ng

RT: 7.221 min Scan# 601

Delta R.T. 0.000 min

Lab File: BN027134.D

Acq: 26 Aug 2023 00:39

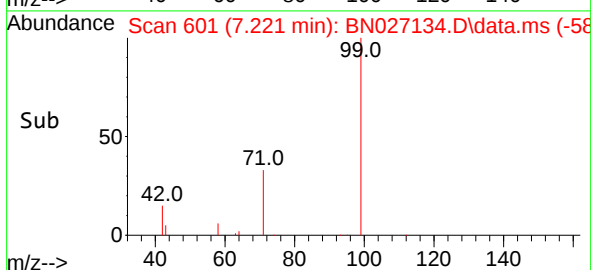
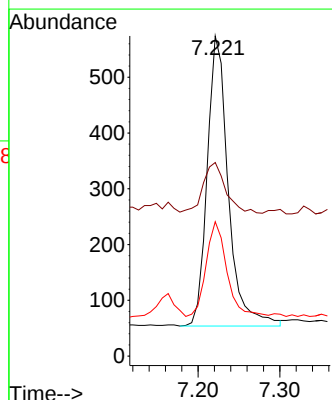
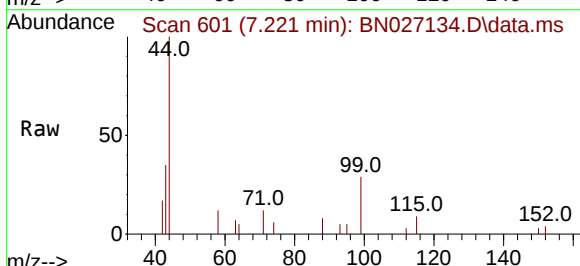
Tgt Ion: 99 Resp: 933

Ion Ratio Lower Upper

99 100

42 18.8 13.6 20.4

71 32.0 26.0 39.0

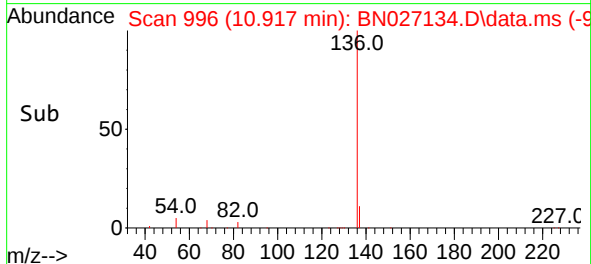
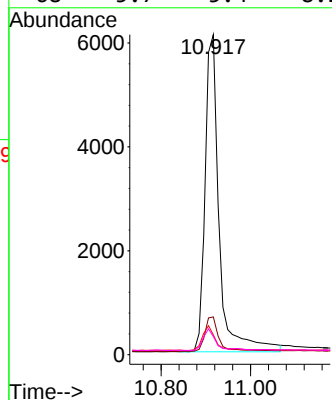
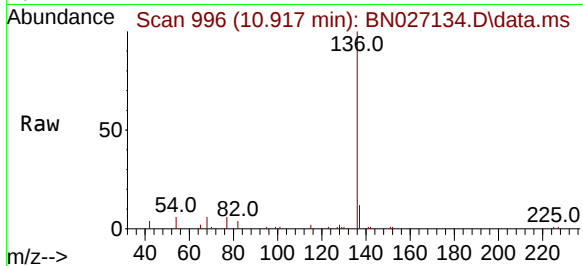




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.917 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

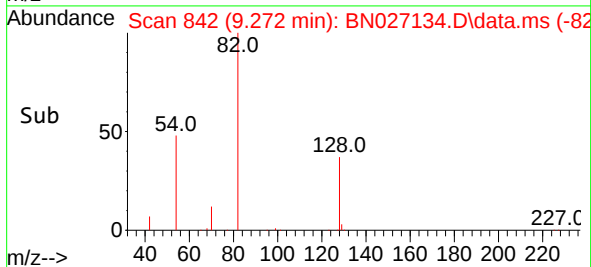
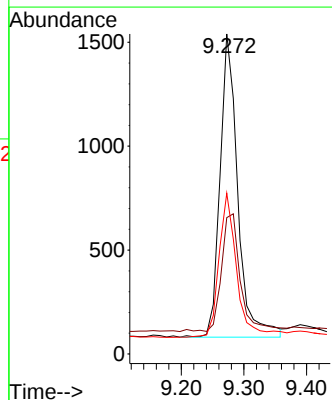
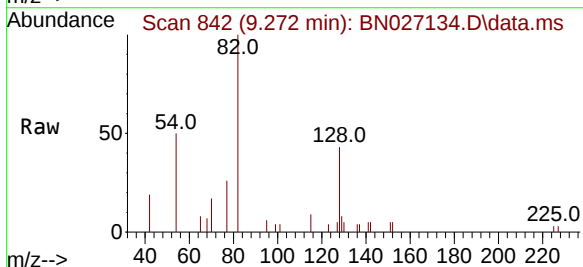
Instrument :
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RE126D3-20230814

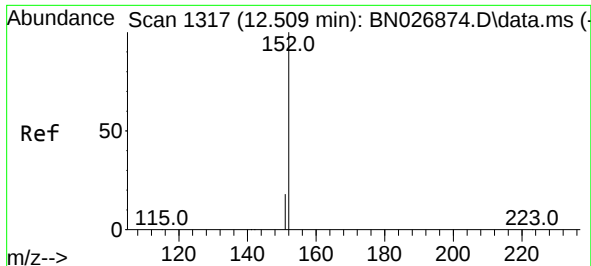
Tgt Ion:	136	Resp:	13372
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	6.2	5.5	8.3
68	5.7	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.254 ng
RT: 9.272 min Scan# 842
Delta R.T. 0.000 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

Tgt Ion:	82	Resp:	2871
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	50.3	37.0	55.4

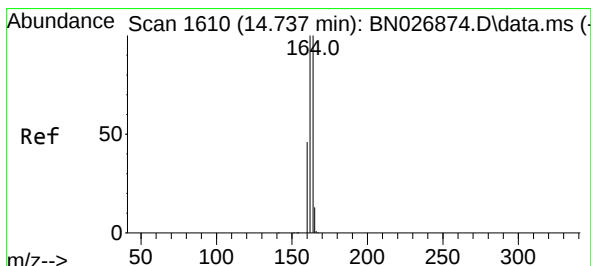
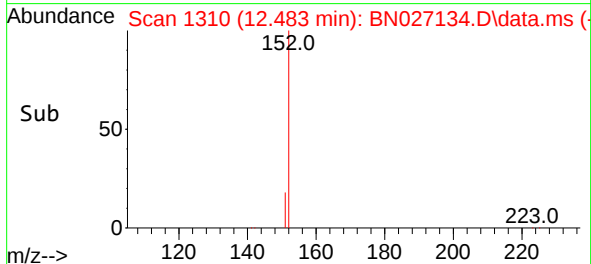
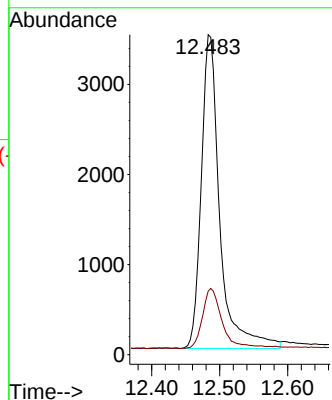
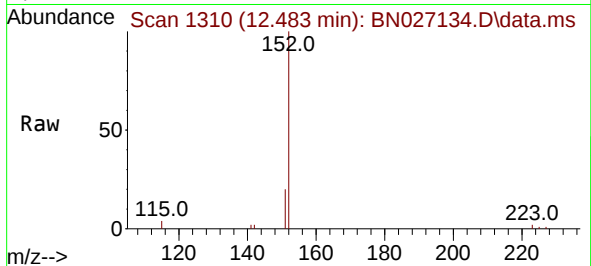




#11
2-Methylnaphthalene-d10
Concen: 0.310 ng
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

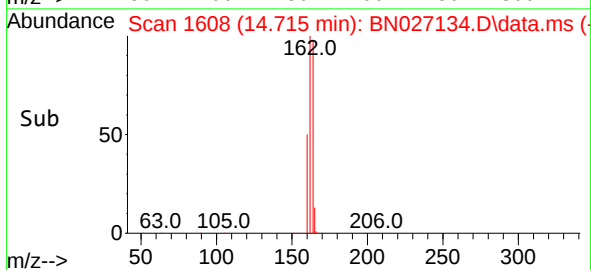
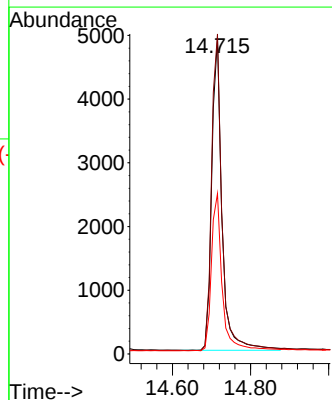
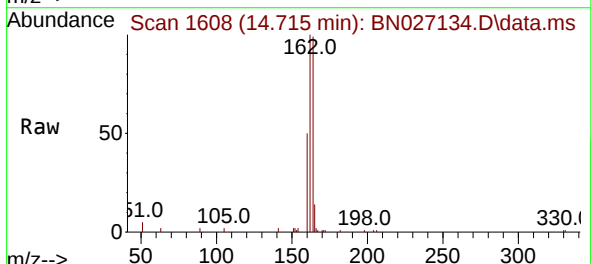
Instrument :
BNA_N
ClientSampleId :
RE126D3-20230814

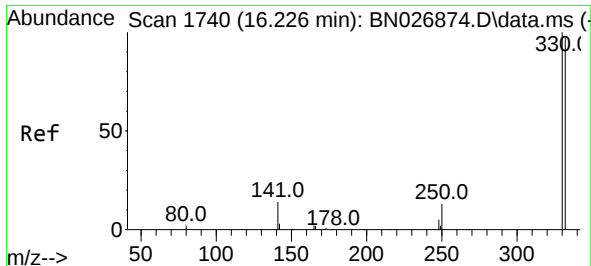
Tgt Ion:152 Resp: 6595
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.715 min Scan# 1608
Delta R.T. 0.011 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

Tgt Ion:164 Resp: 8941
Ion Ratio Lower Upper
164 100
162 101.4 79.7 119.5
160 50.8 37.4 56.0

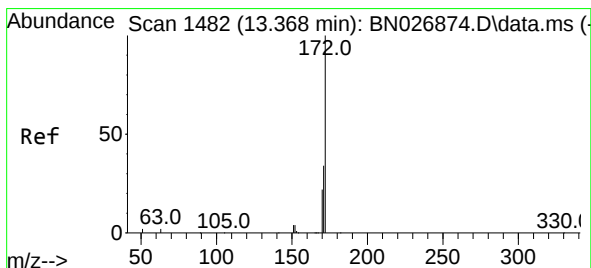
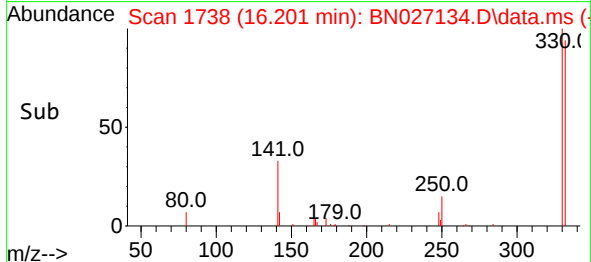
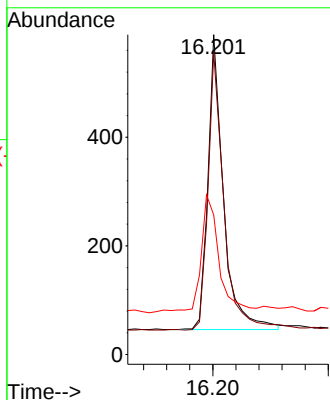
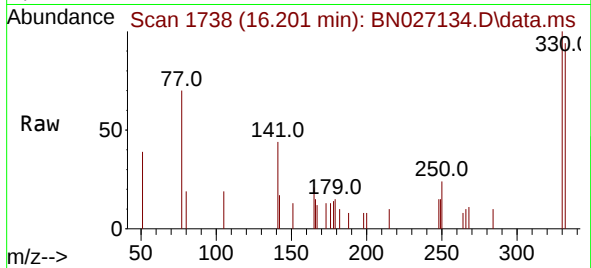




#14
2,4,6-Tribromophenol
Concen: 0.213 ng
RT: 16.201 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

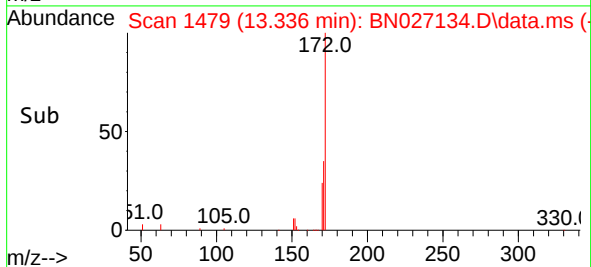
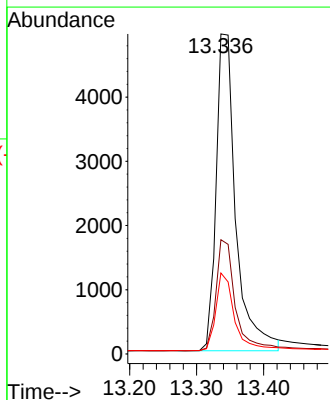
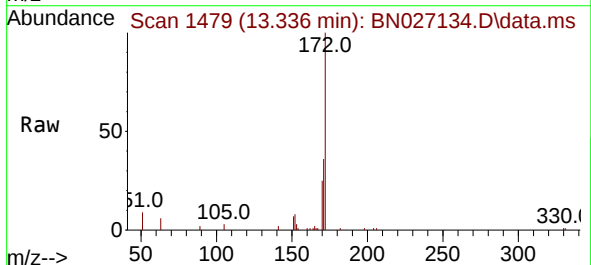
Instrument :
BNA_N
ClientSampleId :
RE126D3-20230814

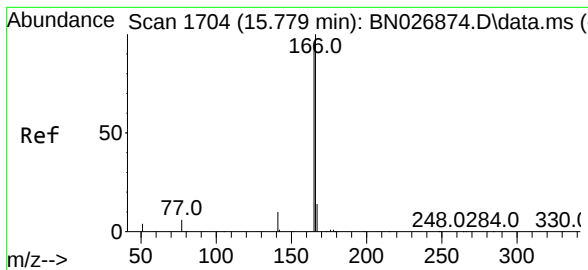
Tgt Ion:330 Resp: 1015
Ion Ratio Lower Upper
330 100
332 95.1 76.6 114.8
141 41.7 32.3 48.5



#15
2-Fluorobiphenyl
Concen: 0.305 ng
RT: 13.336 min Scan# 1479
Delta R.T. 0.000 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

Tgt Ion:172 Resp: 10125
Ion Ratio Lower Upper
172 100
171 35.7 27.4 41.0
170 25.3 18.0 27.0





#18

Fluorene

Concen: 0.025 ng

RT: 15.755 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN027134.D

Acq: 26 Aug 2023 00:39

Instrument :

BNA_N

ClientSampleId :

RE126D3-20230814

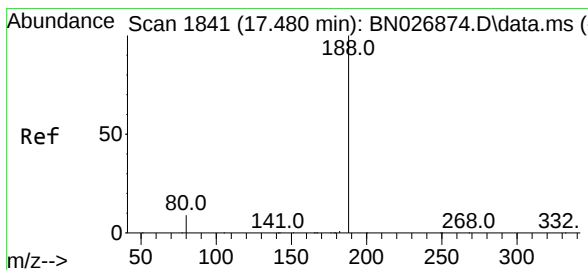
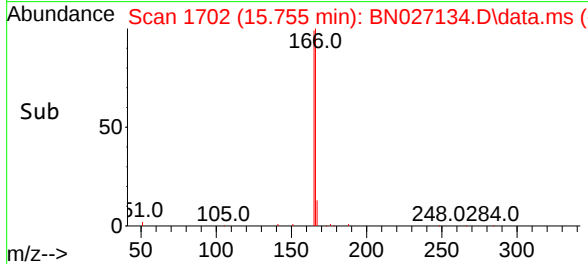
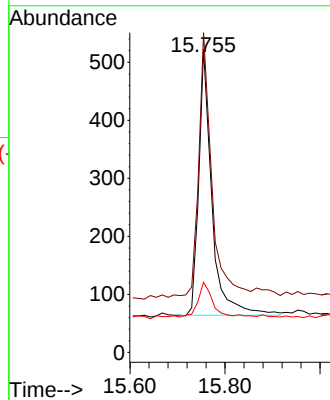
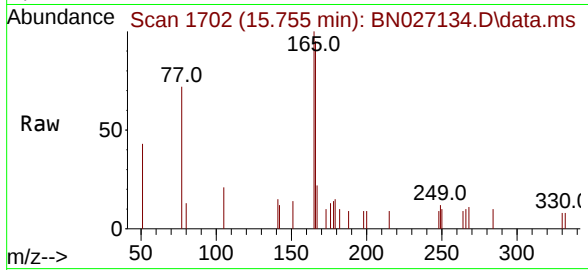
Tgt Ion:166 Resp: 881

Ion Ratio Lower Upper

166 100

165 99.5 77.4 116.2

167 15.7 10.9 16.3



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.455 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BN027134.D

Acq: 26 Aug 2023 00:39

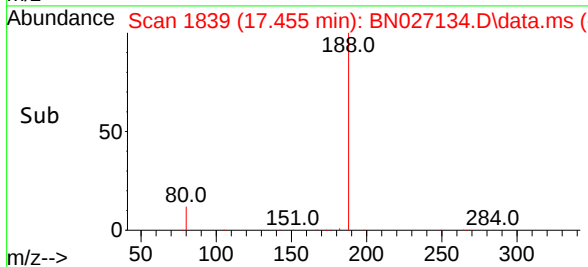
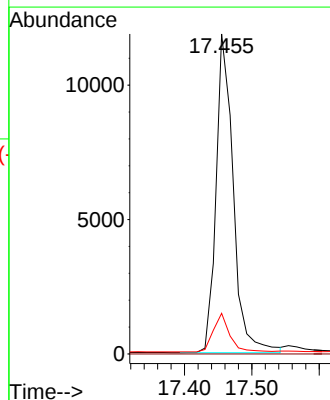
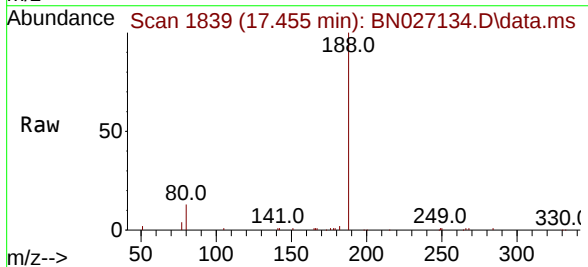
Tgt Ion:188 Resp: 20951

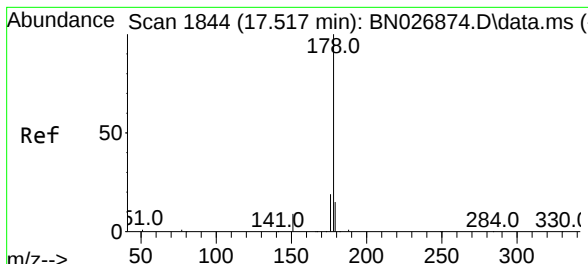
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.7 7.4 11.2#

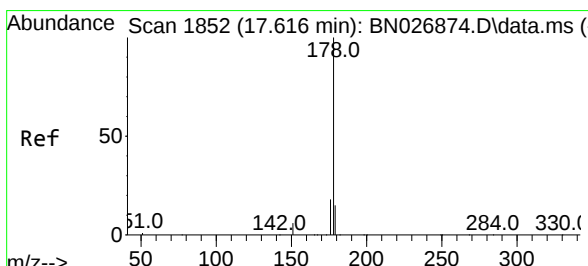
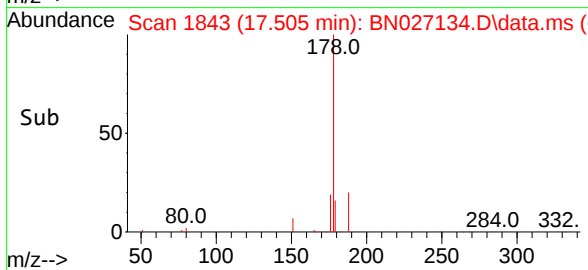
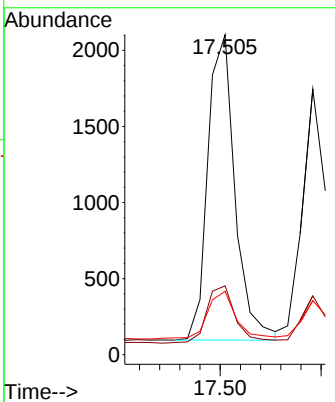
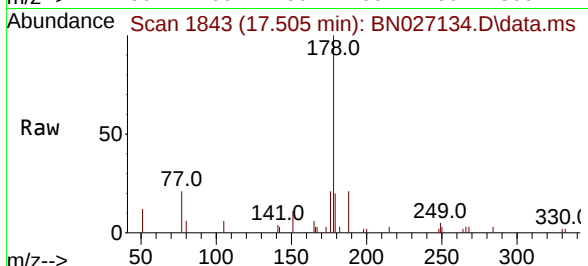




#25
 Phenanthrene
 Concen: 0.062 ng
 RT: 17.505 min Scan# 1843
 Delta R.T. 0.012 min
 Lab File: BN027134.D
 Acq: 26 Aug 2023 00:39

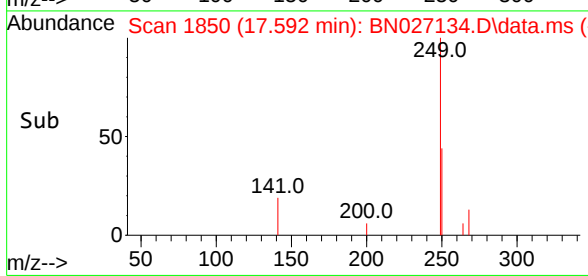
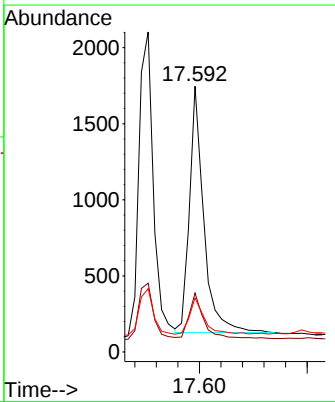
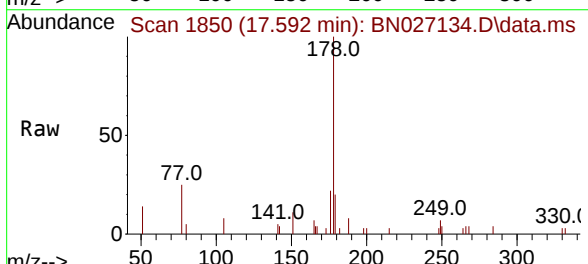
Instrument :
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 RE126D3-20230814

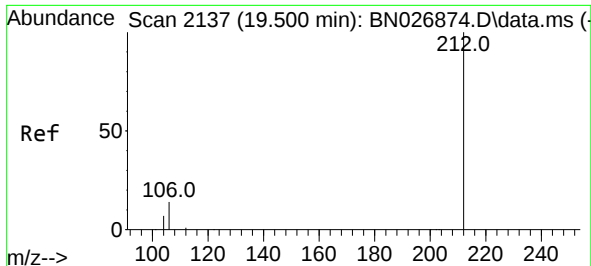
Tgt Ion:	178	Resp:	3751
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.3	22.9
179	17.6	12.2	18.4



#26
 Anthracene
 Concen: 0.054 ng
 RT: 17.592 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: BN027134.D
 Acq: 26 Aug 2023 00:39

Tgt Ion:	178	Resp:	3009
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.8	22.2
179	15.1	12.1	18.1

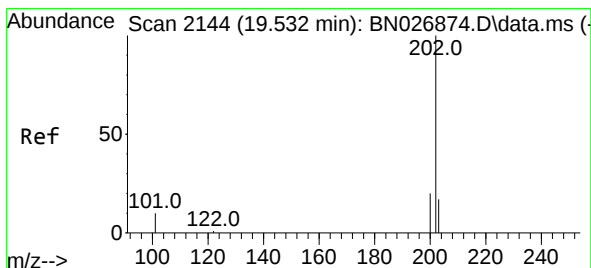
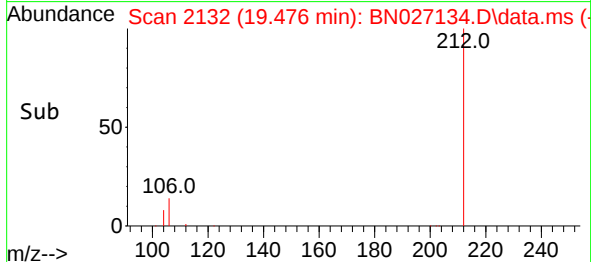
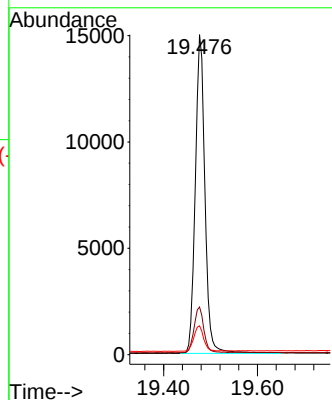
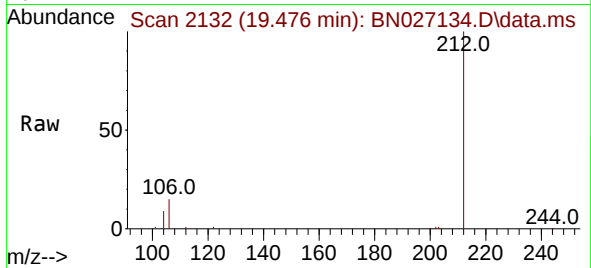




#27
Fluoranthene-d10
Concen: 0.398 ng
RT: 19.476 min Scan# 2137
Delta R.T. 0.000 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

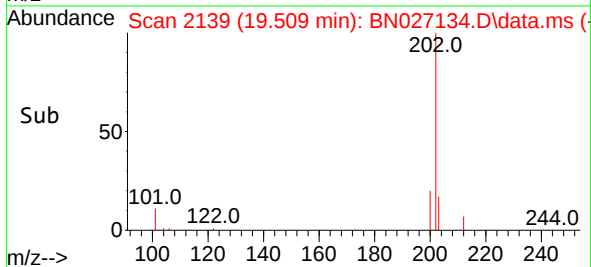
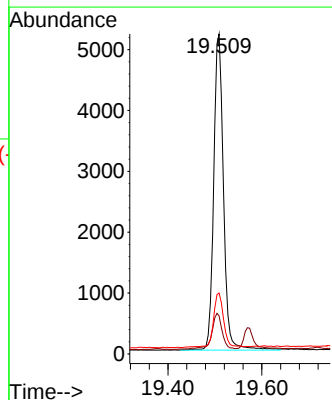
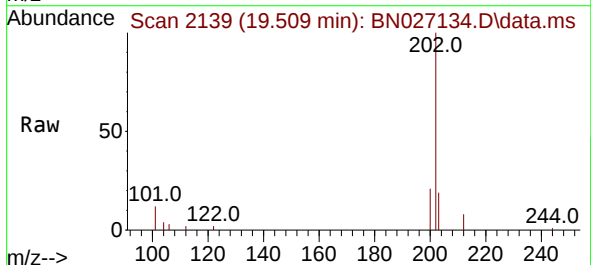
Instrument :
BNA_N
ClientSampleId :
RE126D3-20230814

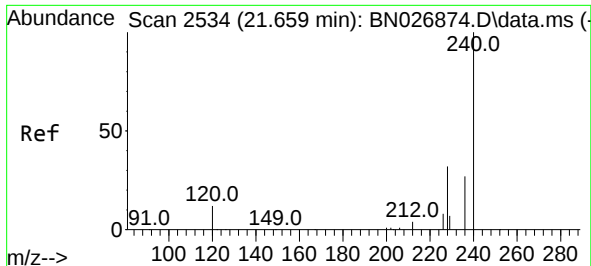
Tgt Ion:212 Resp: 21378
Ion Ratio Lower Upper
212 100
106 14.5 10.9 16.3
104 8.2 5.9 8.9



#28
Fluoranthene
Concen: 0.105 ng
RT: 19.509 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

Tgt Ion:202 Resp: 7520
Ion Ratio Lower Upper
202 100
101 12.2 8.9 13.3
203 18.2 13.7 20.5

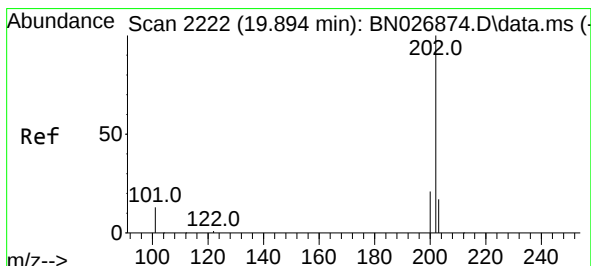
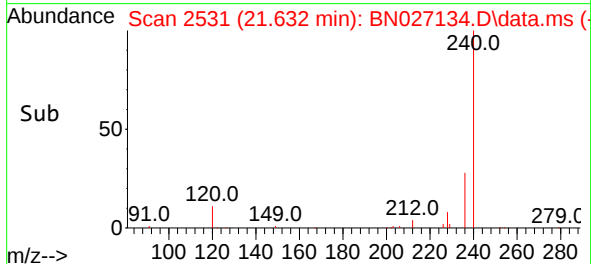
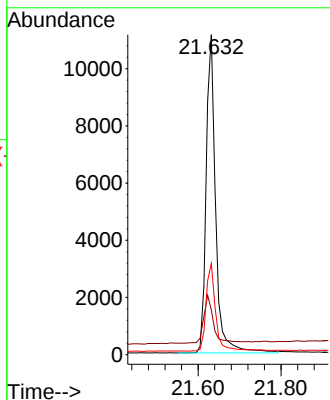
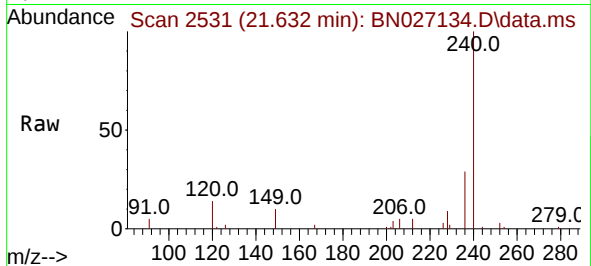




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

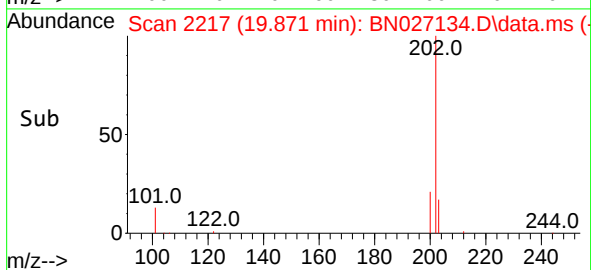
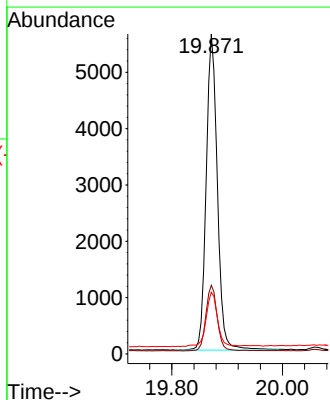
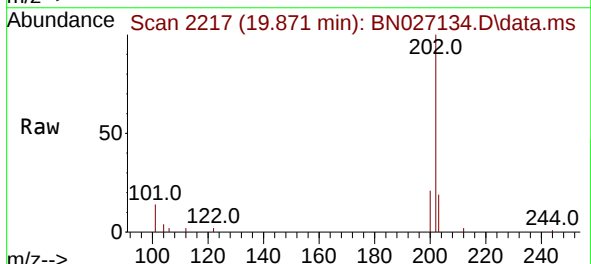
Instrument :
BNA_N
ClientSampleId :
RE126D3-20230814

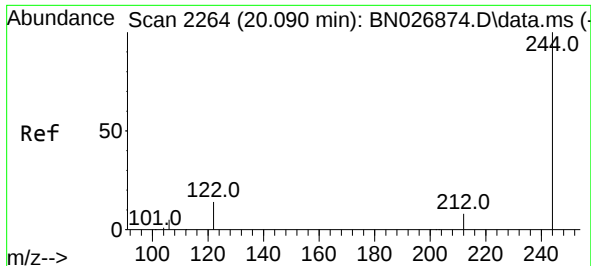
Tgt Ion:240 Resp: 17801
Ion Ratio Lower Upper
240 100
120 13.9 11.1 16.7
236 28.5 22.2 33.2



#30
Pyrene
Concen: 0.115 ng
RT: 19.871 min Scan# 2217
Delta R.T. 0.000 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

Tgt Ion:202 Resp: 7899
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 17.7 14.4 21.6

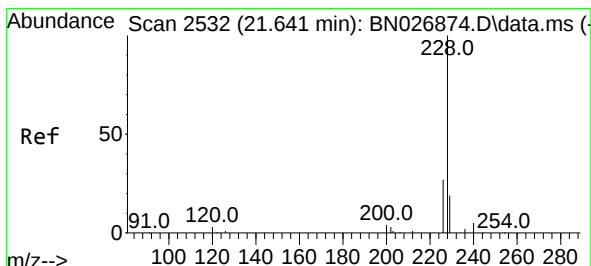
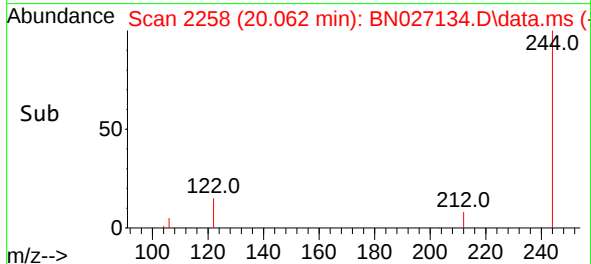
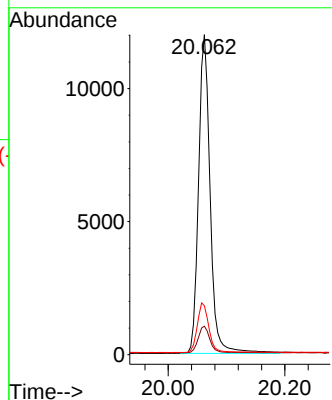
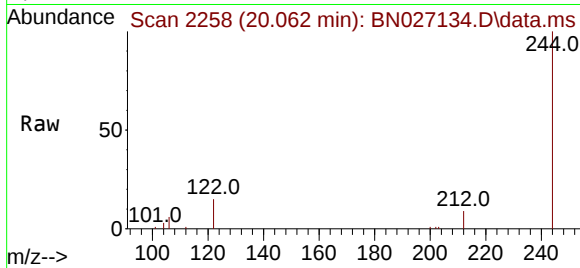




#31
 Terphenyl-d14
 Concen: 0.444 ng
 RT: 20.062 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN027134.D
 Acq: 26 Aug 2023 00:39

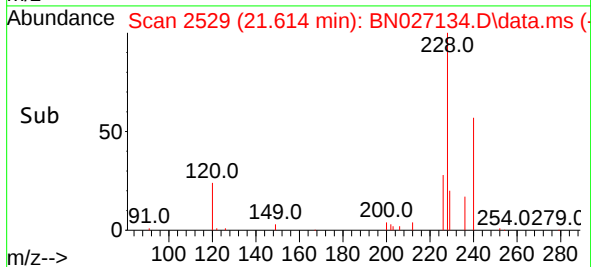
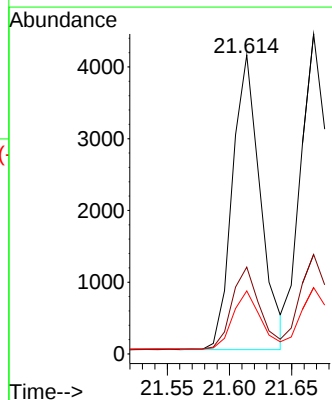
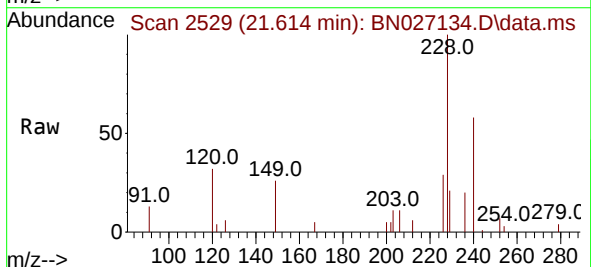
Instrument :
 BNA_N
 ClientSampleId :
 RE126D3-20230814

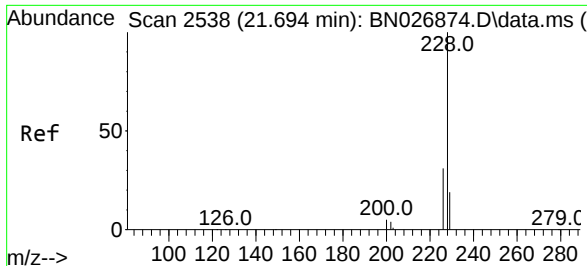
Tgt Ion:244 Resp: 16529
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.9 10.3
 122 15.3 11.9 17.9



#32
 Benzo(a)anthracene
 Concen: 0.100 ng
 RT: 21.614 min Scan# 2529
 Delta R.T. 0.000 min
 Lab File: BN027134.D
 Acq: 26 Aug 2023 00:39

Tgt Ion:228 Resp: 6428
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.1 33.1
 229 21.1 15.5 23.3





#33

Chrysene

Concen: 0.111 ng

RT: 21.668 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027134.D

Acq: 26 Aug 2023 00:39

Instrument :

BNA_N

ClientSampleId :

RE126D3-20230814

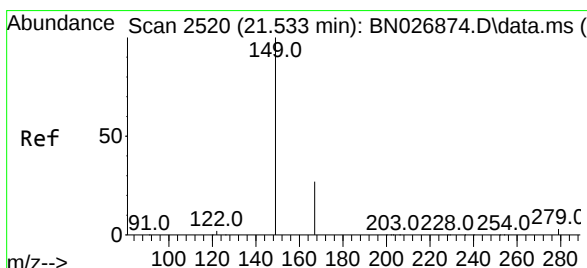
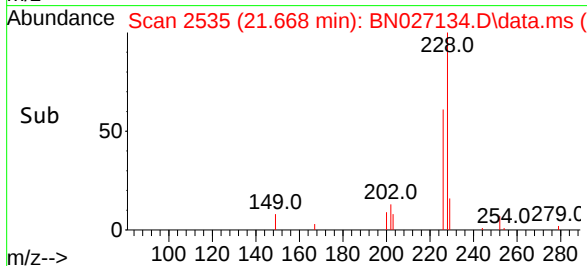
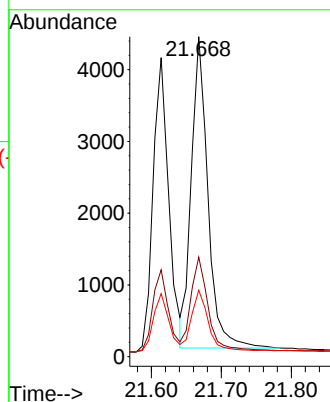
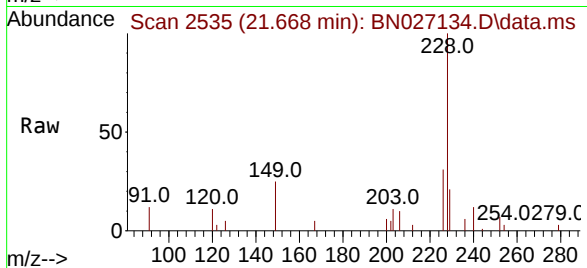
Tgt Ion:228 Resp: 7171

Ion Ratio Lower Upper

228 100

226 31.1 24.6 37.0

229 20.7 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.053 ng

RT: 21.488 min Scan# 2515

Delta R.T. -0.009 min

Lab File: BN027134.D

Acq: 26 Aug 2023 00:39

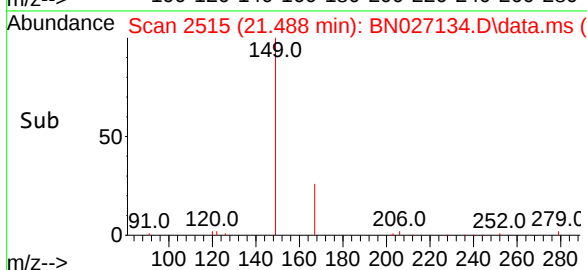
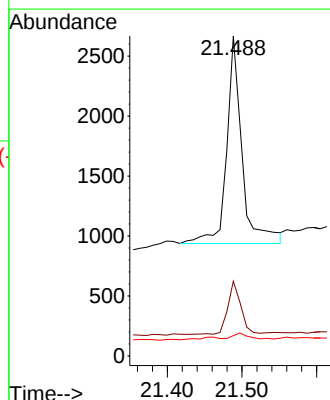
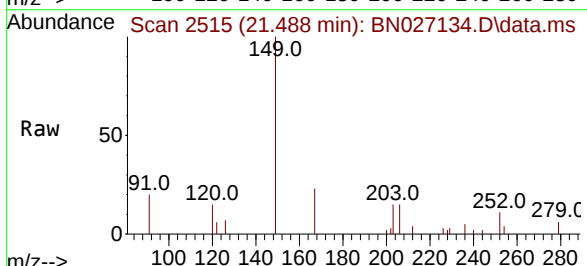
Tgt Ion:149 Resp: 2466

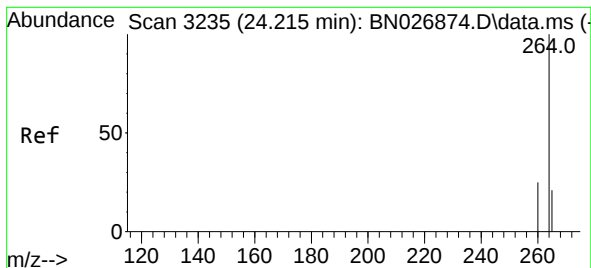
Ion Ratio Lower Upper

149 100

167 21.9 21.4 32.0

279 2.9 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.162 min Scan# 31

Delta R.T. -0.009 min

Lab File: BN027134.D

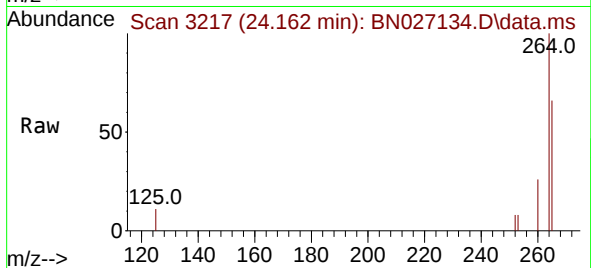
Acq: 26 Aug 2023 00:39

Instrument :

BNA_N

ClientSampleId :

RE126D3-20230814



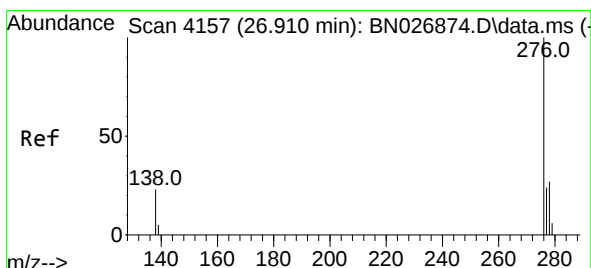
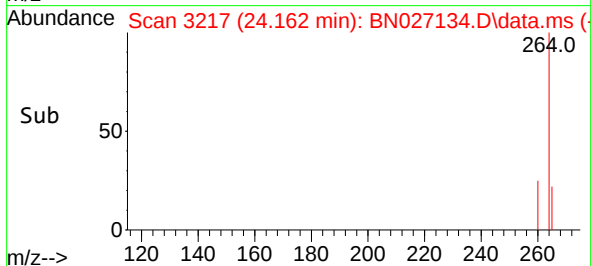
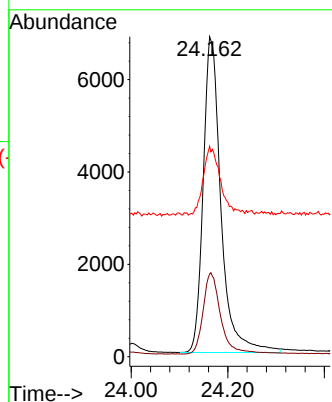
Tgt Ion:264 Resp: 17425

Ion Ratio Lower Upper

264 100

260 25.9 20.4 30.6

265 65.7 27.0 40.6#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.097 ng

RT: 26.843 min Scan# 4134

Delta R.T. -0.009 min

Lab File: BN027134.D

Acq: 26 Aug 2023 00:39

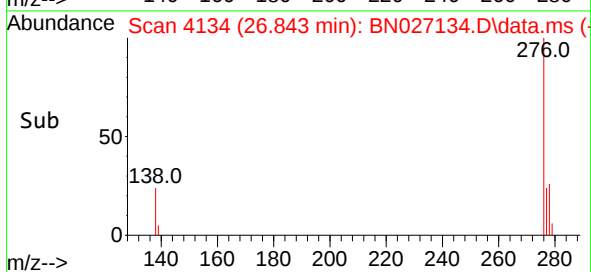
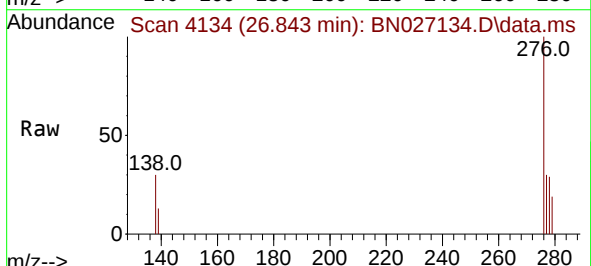
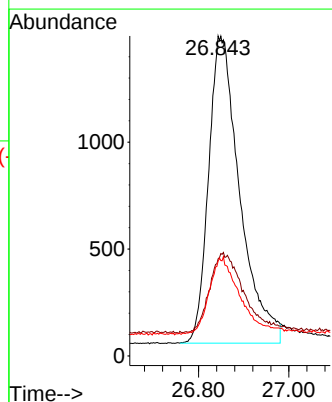
Tgt Ion:276 Resp: 6901

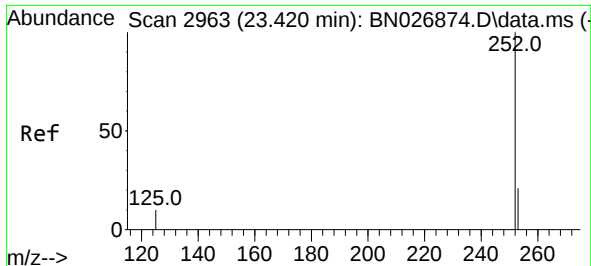
Ion Ratio Lower Upper

276 100

138 27.5 21.1 31.7

277 24.6 19.9 29.9

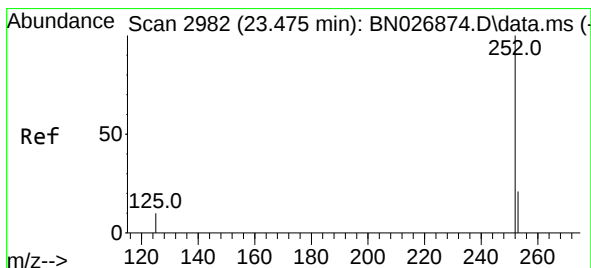
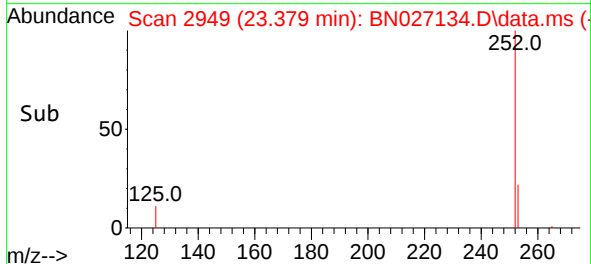
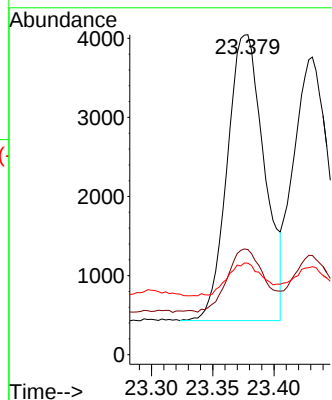
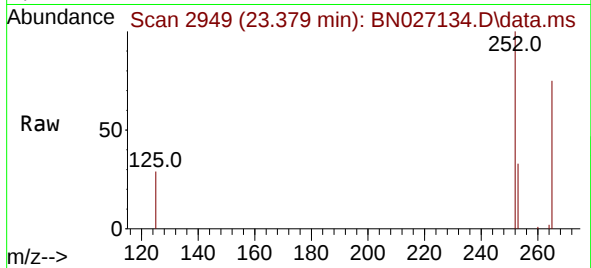




#37
Benzo(b)fluoranthene
Concen: 0.130 ng
RT: 23.379 min Scan# 2949
Delta R.T. 0.000 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

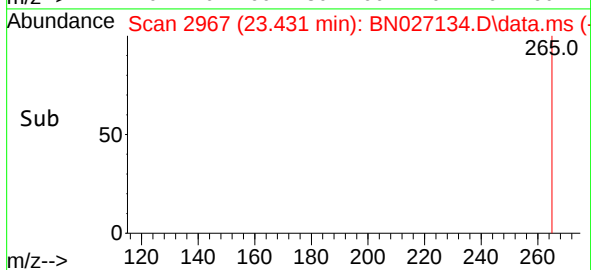
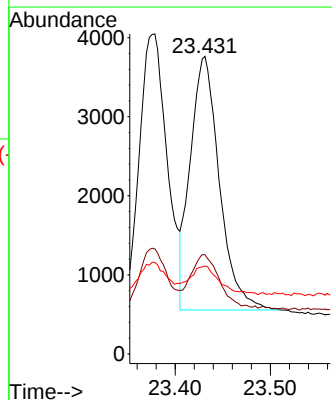
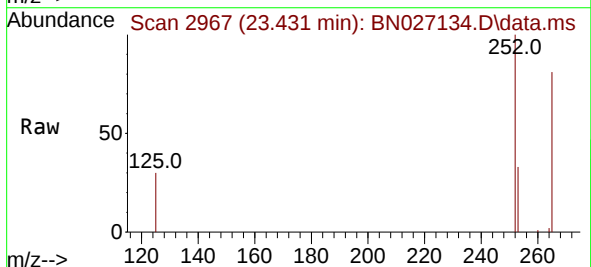
Instrument :
BNA_N
ClientSampleId :
RE126D3-20230814

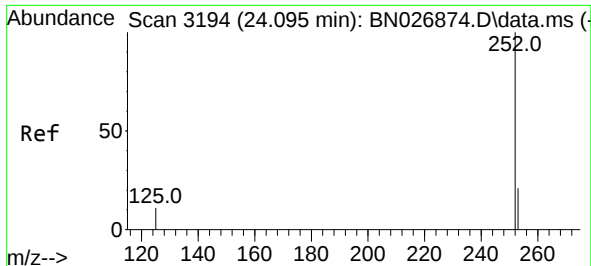
Tgt Ion:252 Resp: 7607
Ion Ratio Lower Upper
252 100
253 32.9 18.4 27.6#
125 28.6 10.2 15.2#



#38
Benzo(k)fluoranthene
Concen: 0.114 ng
RT: 23.431 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

Tgt Ion:252 Resp: 6815
Ion Ratio Lower Upper
252 100
253 33.4 18.4 27.6#
125 29.6 10.2 15.2#





#39

Benzo(a)pyrene

Concen: 0.097 ng

RT: 24.051 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN027134.D

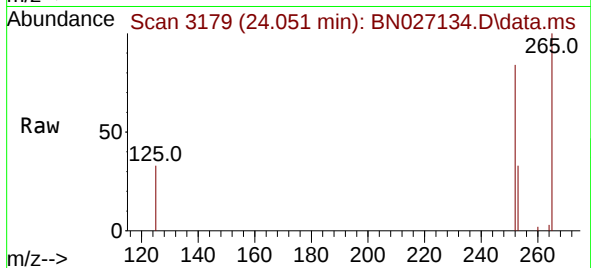
Acq: 26 Aug 2023 00:39

Instrument :

BNA_N

ClientSampleId :

RE126D3-20230814



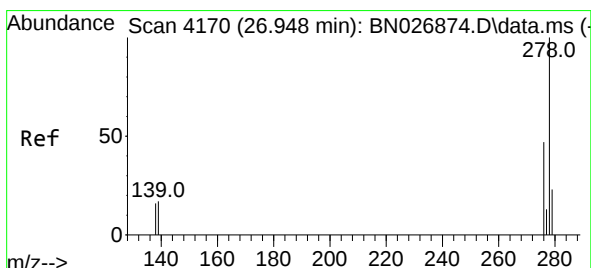
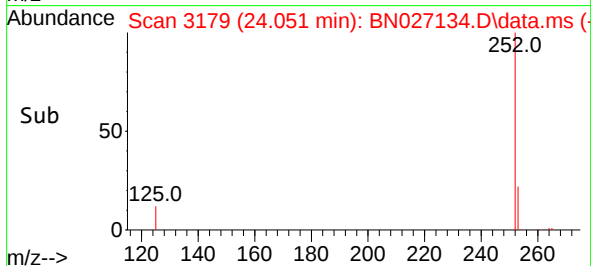
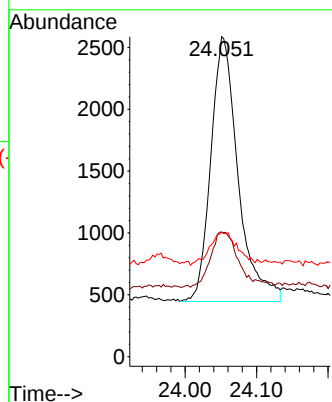
Tgt Ion:252 Resp: 5661

Ion Ratio Lower Upper

252 100

253 39.0 18.6 28.0#

125 38.8 11.7 17.5#



#40

Dibenzo(a,h)anthracene

Concen: 0.094 ng

RT: 26.884 min Scan# 4148

Delta R.T. 0.003 min

Lab File: BN027134.D

Acq: 26 Aug 2023 00:39

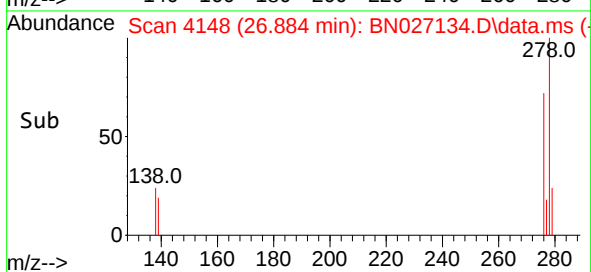
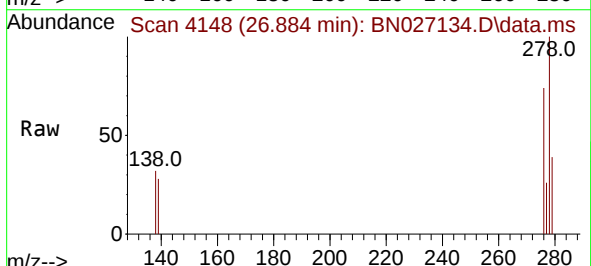
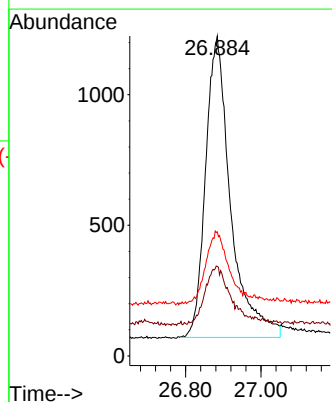
Tgt Ion:278 Resp: 5318

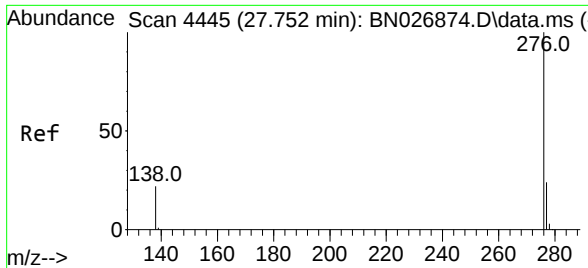
Ion Ratio Lower Upper

278 100

139 28.0 15.3 22.9#

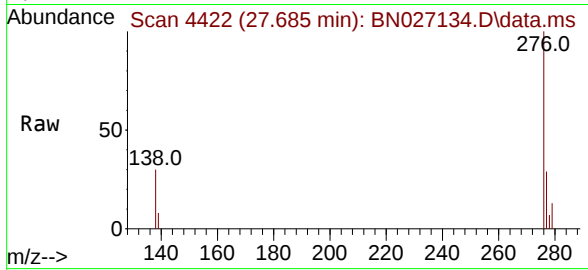
279 38.8 19.9 29.9#





#41
Benzo(g,h,i)perylene
Concen: 0.108 ng
RT: 27.685 min Scan# 44
Delta R.T. -0.003 min
Lab File: BN027134.D
Acq: 26 Aug 2023 00:39

Instrument :
BNA_N
ClientSampleId :
RE126D3-20230814



Tgt Ion:	276	Resp:	6575
Ion	Ratio	Lower	Upper
276	100		
277	28.8	19.8	29.8
138	29.8	19.0	28.4

