

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
 Data File : BN027126.D
 Acq On : 25 Aug 2023 19:38
 Operator : MA/JU
 Sample : 04024-20
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE108D1-20230815

Quant Time: Aug 26 02:18:03 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)

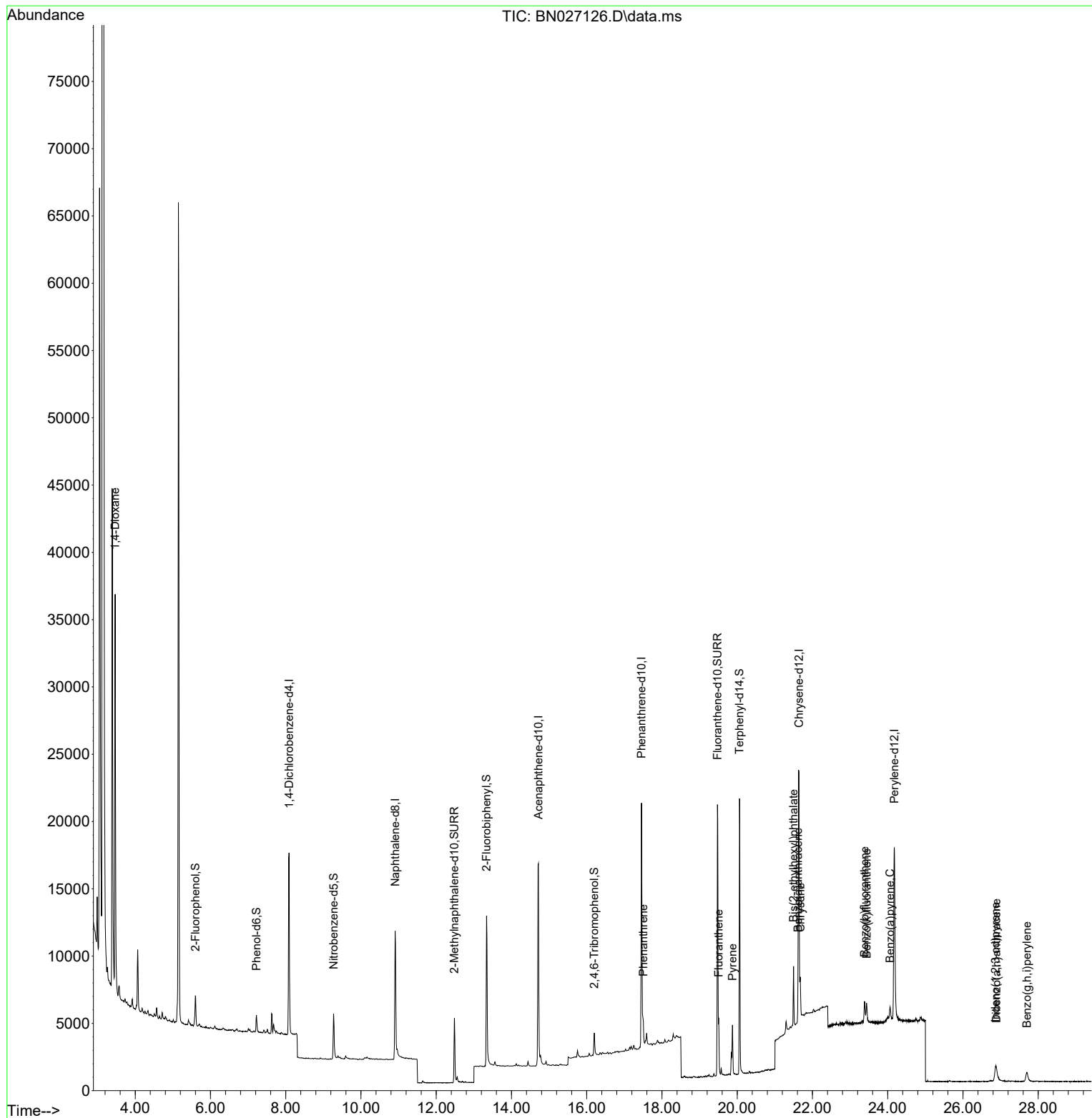
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	6754	0.400	ng	0.00
7) Naphthalene-d8	10.906	136	15731	0.400	ng	# 0.00
13) Acenaphthene-d10	14.715	164	10695	0.400	ng	0.01
19) Phenanthrene-d10	17.455	188	25418	0.400	ng	# 0.00
29) Chrysene-d12	21.641	240	21547	0.400	ng	0.00
35) Perylene-d12	24.174	264	21743	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.603	112	1949	0.102	ng	0.00
5) Phenol-d6	7.221	99	1343	0.057	ng	0.00
8) Nitrobenzene-d5	9.273	82	3019	0.227	ng	0.00
11) 2-Methylnaphthalene-d10	12.483	152	7451	0.298	ng	0.00
14) 2,4,6-Tribromophenol	16.202	330	1106	0.194	ng	0.00
15) 2-Fluorobiphenyl	13.336	172	11531	0.290	ng	0.00
27) Fluoranthene-d10	19.476	212	22951	0.352	ng	0.00
31) Terphenyl-d14	20.062	244	20482	0.455	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.465	88	19911	2.741	ng	95
25) Phenanthrene	17.505	178	2141	0.029	ng	98
28) Fluoranthene	19.509	202	3510	0.041	ng	# 95
30) Pyrene	19.871	202	3458	0.042	ng	98
32) Benzo(a)anthracene	21.614	228	2454	0.032	ng	# 91
33) Chrysene	21.677	228	2535	0.032	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.497	149	4225	0.075	ng	97
36) Indeno(1,2,3-cd)pyrene	26.864	276	2139	0.024	ng	# 85
37) Benzo(b)fluoranthene	23.385	252	2619	0.036	ng	# 23
38) Benzo(k)fluoranthene	23.437	252	2223	0.030	ng	# 20
39) Benzo(a)pyrene	24.063	252	1814	0.025	ng	# 1
40) Dibenzo(a,h)anthracene	26.887	278	1478	0.021	ng	# 33
41) Benzo(g,h,i)perylene	27.697	276	1907	0.025	ng	# 61

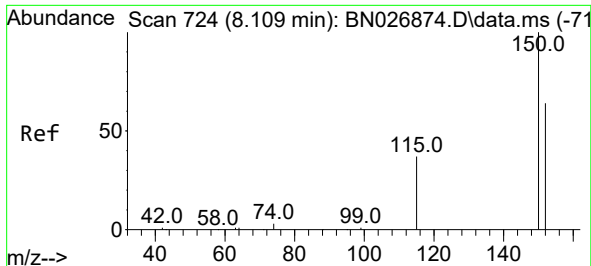
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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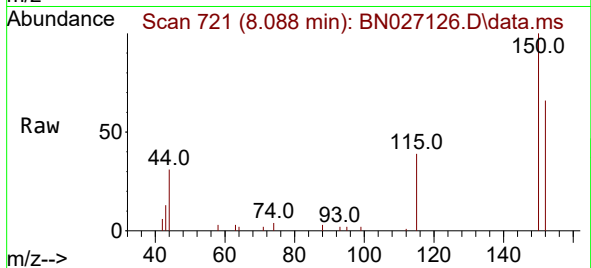
Quant Time: Aug 26 02:18:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 26 02:13:59 2023
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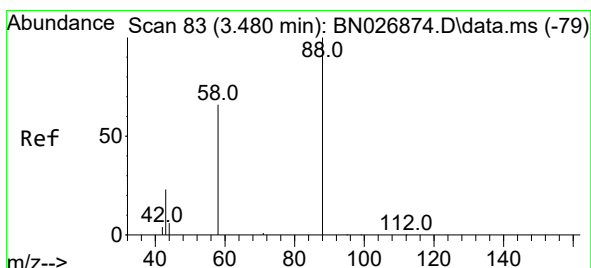
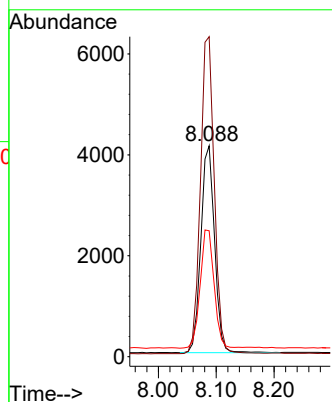
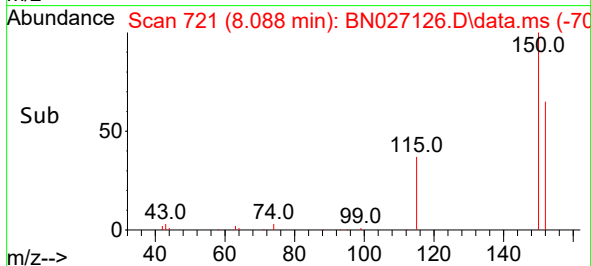


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.088 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BN027126.D
 Acq: 25 Aug 2023 19:38

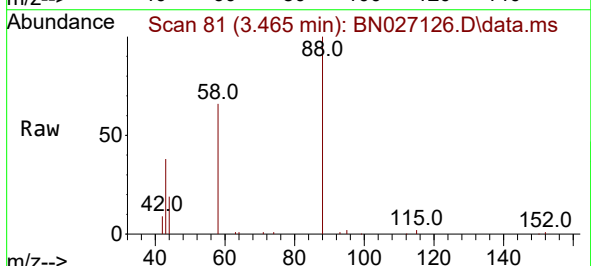
Instrument :
 BNA_N
 ClientSampleId :
 RE108D1-20230815



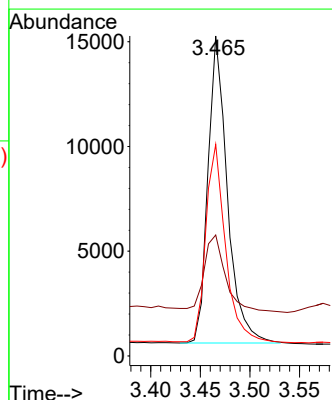
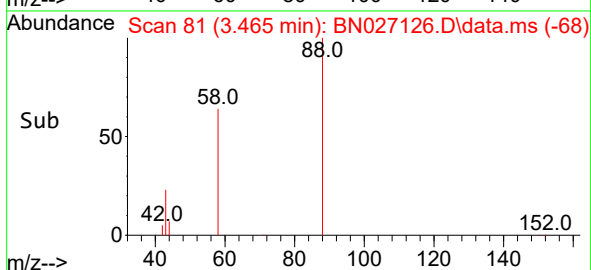
Tgt Ion:152 Resp: 6754
 Ion Ratio Lower Upper
 152 100
 150 151.7 123.8 185.6
 115 59.7 49.7 74.5

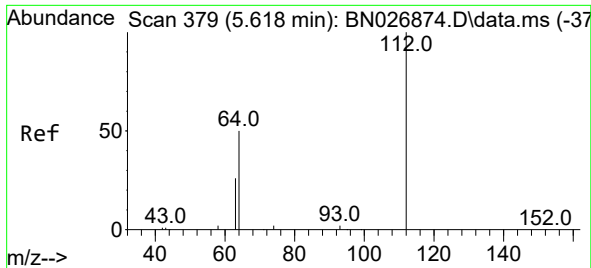


#2
 1,4-Dioxane
 Concen: 2.741 ng
 RT: 3.465 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BN027126.D
 Acq: 25 Aug 2023 19:38



Tgt Ion: 88 Resp: 19911
 Ion Ratio Lower Upper
 88 100
 43 27.6 19.2 28.8
 58 65.3 54.5 81.7

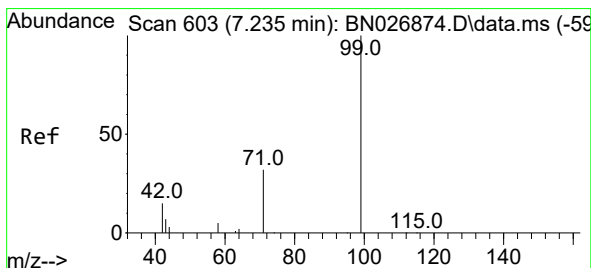
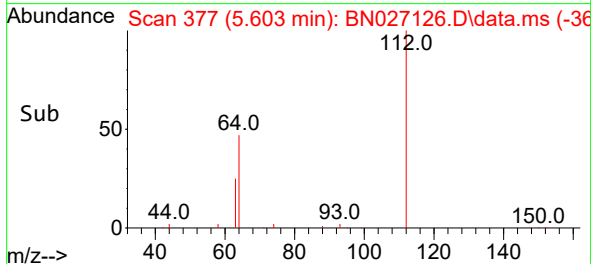
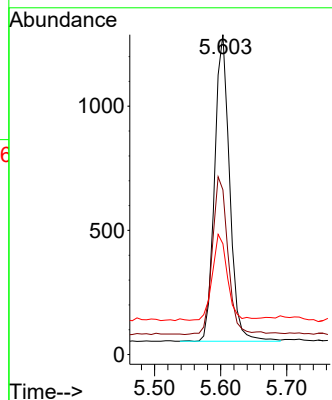
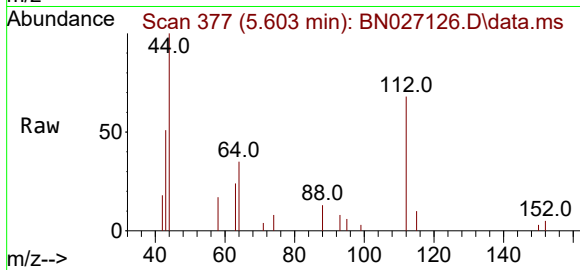




#4
2-Fluorophenol
Concen: 0.102 ng
RT: 5.603 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

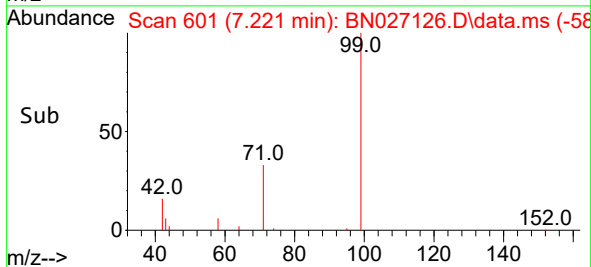
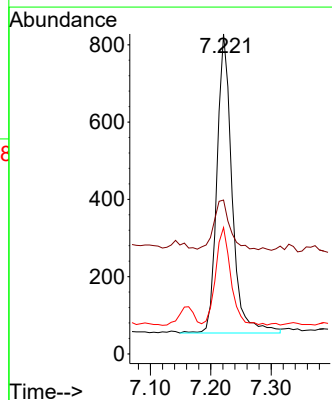
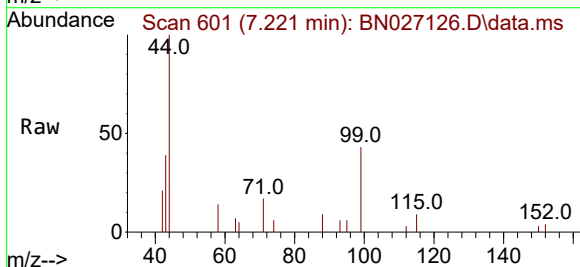
Instrument :
BNA_N
ClientSampleId :
RE108D1-20230815

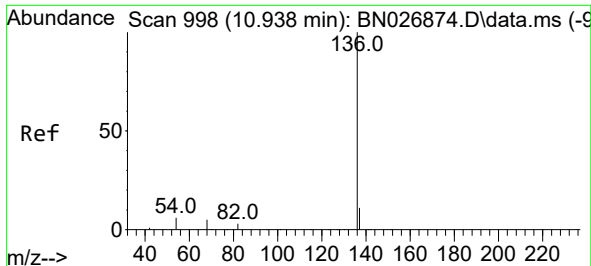
Tgt Ion: 112 Resp: 1949
Ion Ratio Lower Upper
112 100
64 53.7 41.5 62.3
63 28.1 21.7 32.5



#5
Phenol-d6
Concen: 0.057 ng
RT: 7.221 min Scan# 601
Delta R.T. 0.000 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

Tgt Ion: 99 Resp: 1343
Ion Ratio Lower Upper
99 100
42 18.4 13.6 20.4
71 32.5 26.0 39.0

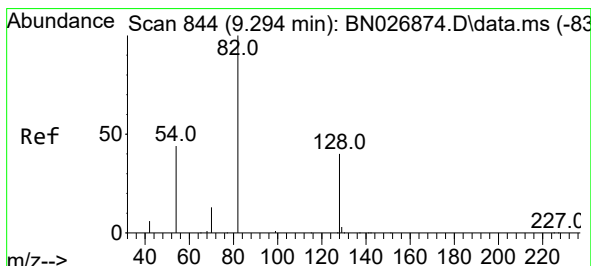
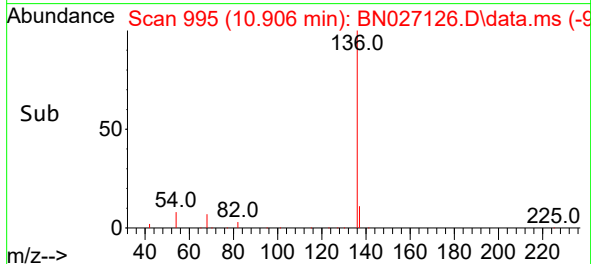
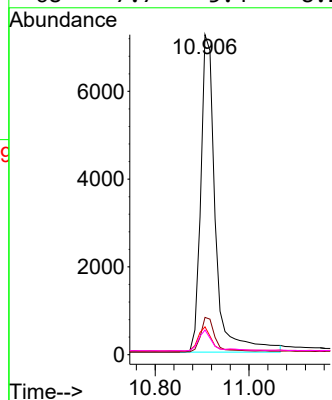
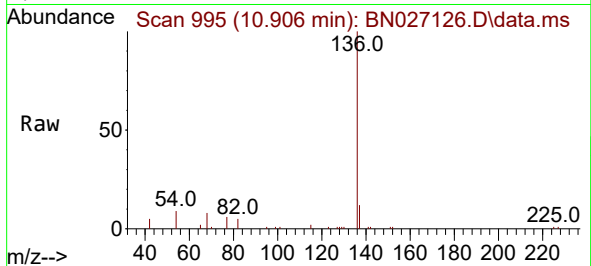




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.906 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

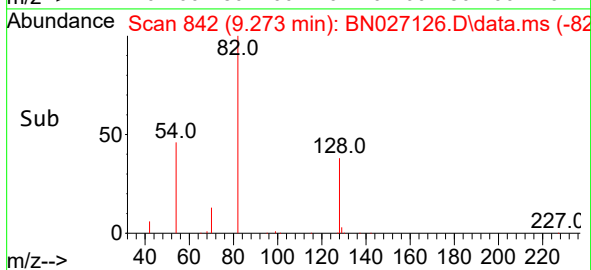
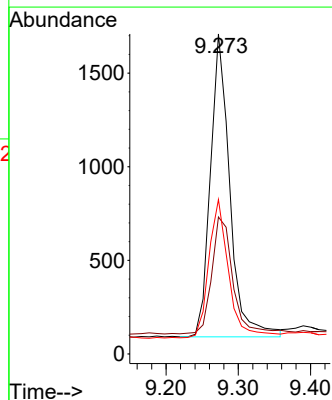
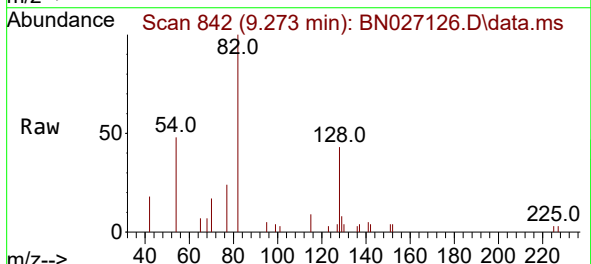
Instrument :
BNA_N
ClientSampleId :
RE108D1-20230815

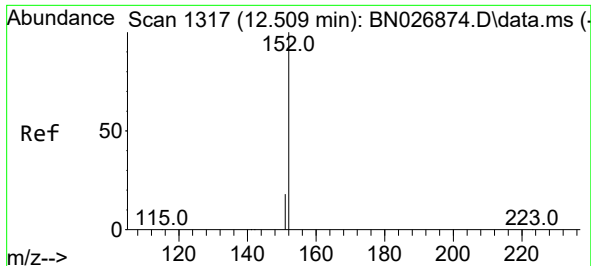
Tgt Ion:	136	Resp:	15731
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.0	13.6
54	8.7	5.5	8.3
68	7.7	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.227 ng
RT: 9.273 min Scan# 842
Delta R.T. 0.000 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

Tgt Ion:	82	Resp:	3019
Ion Ratio	Lower	Upper	
82	100		
128	42.8	34.1	51.1
54	48.3	37.0	55.4

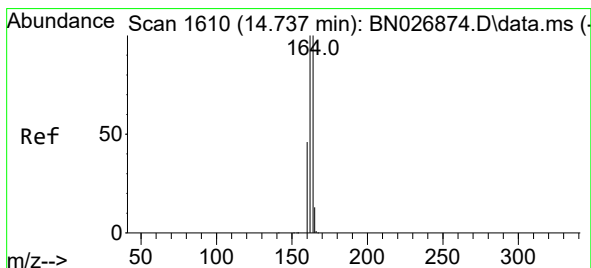
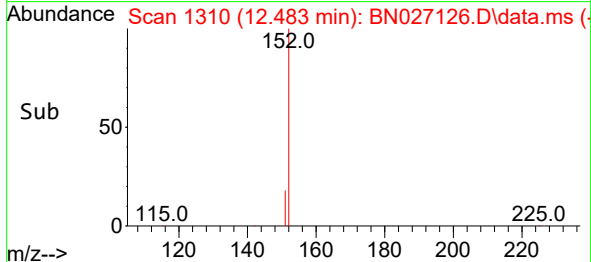
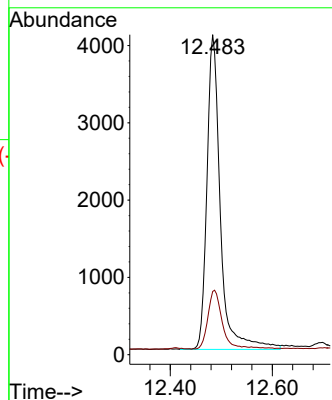
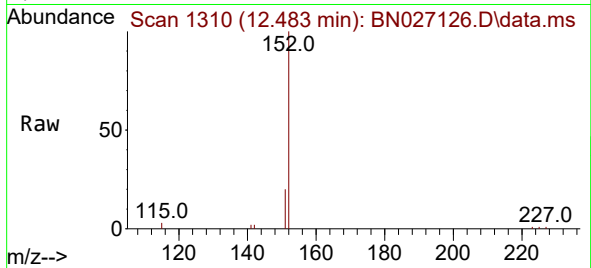




#11
2-Methylnaphthalene-d10
Concen: 0.298 ng
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

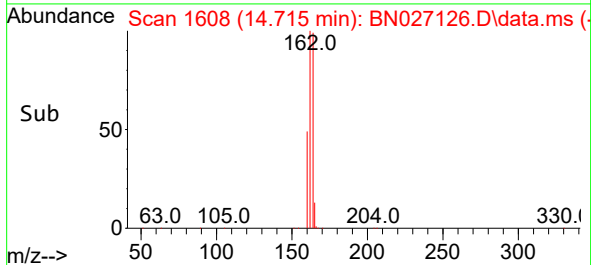
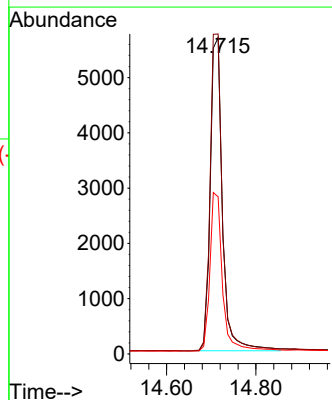
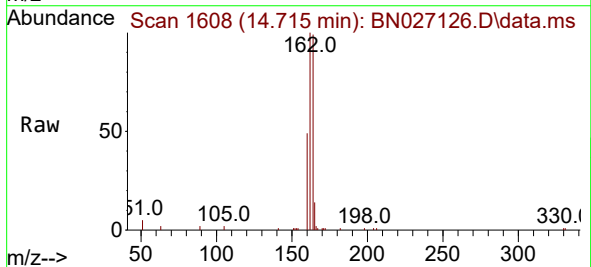
Instrument :
BNA_N
ClientSampleId :
RE108D1-20230815

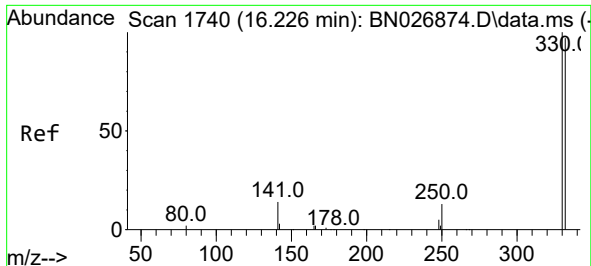
Tgt Ion:152 Resp: 7451
Ion Ratio Lower Upper
152 100
151 20.0 16.3 24.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.715 min Scan# 1608
Delta R.T. 0.011 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

Tgt Ion:164 Resp: 10695
Ion Ratio Lower Upper
164 100
162 101.2 79.7 119.5
160 49.6 37.4 56.0

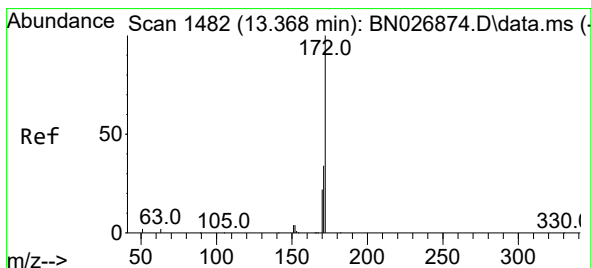
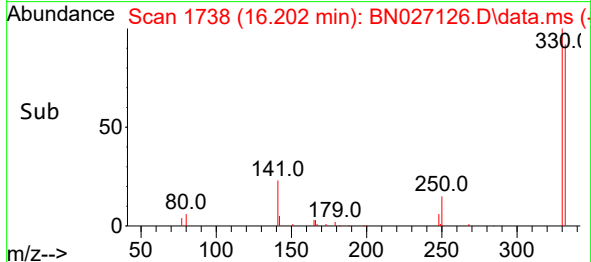
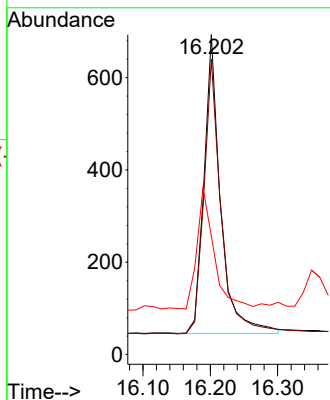
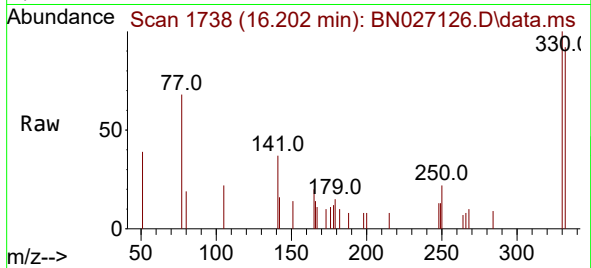




#14
2,4,6-Tribromophenol
Concen: 0.194 ng
RT: 16.202 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

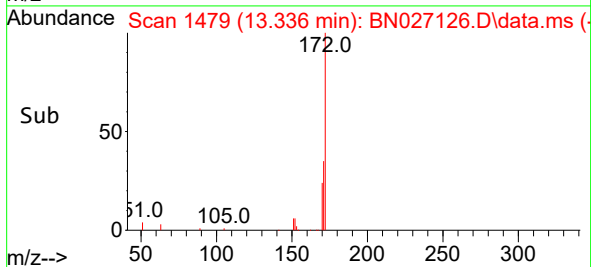
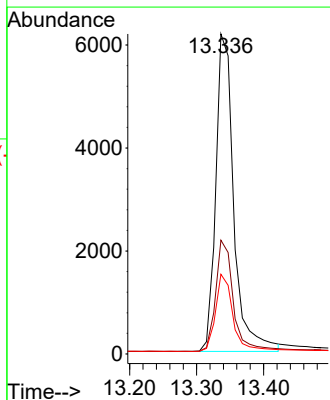
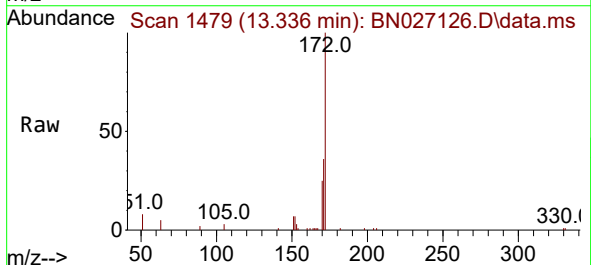
Instrument :
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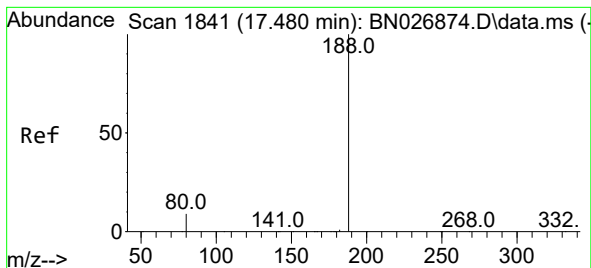
Tgt Ion:330 Resp: 1106
Ion Ratio Lower Upper
330 100
332 96.1 76.6 114.8
141 41.0 32.3 48.5



#15
2-Fluorobiphenyl
Concen: 0.290 ng
RT: 13.336 min Scan# 1479
Delta R.T. 0.000 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

Tgt Ion:172 Resp: 11531
Ion Ratio Lower Upper
172 100
171 35.6 27.4 41.0
170 24.9 18.0 27.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.455 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BN027126.D

Acq: 25 Aug 2023 19:38

Instrument :

BNA_N

ClientSampleId :

RE108D1-20230815

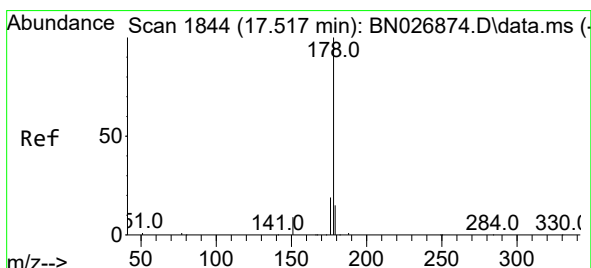
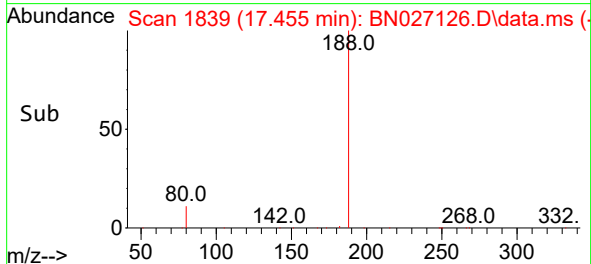
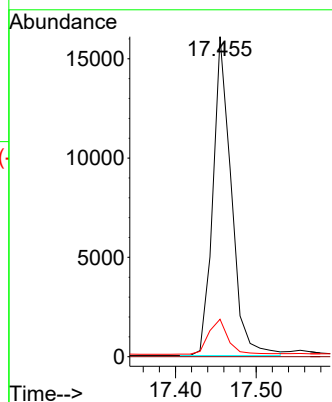
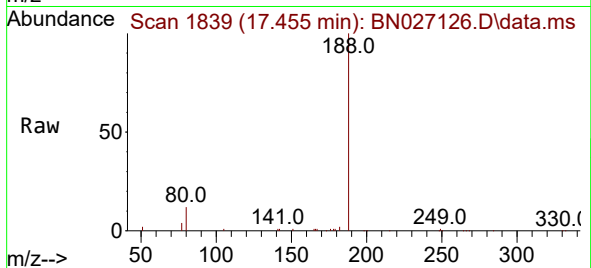
Tgt Ion:188 Resp: 25418

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.7 7.4 11.2#



#25

Phenanthrene

Concen: 0.029 ng

RT: 17.505 min Scan# 1843

Delta R.T. 0.012 min

Lab File: BN027126.D

Acq: 25 Aug 2023 19:38

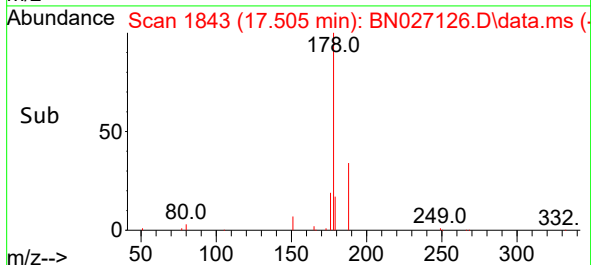
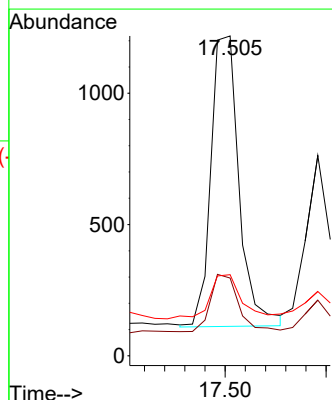
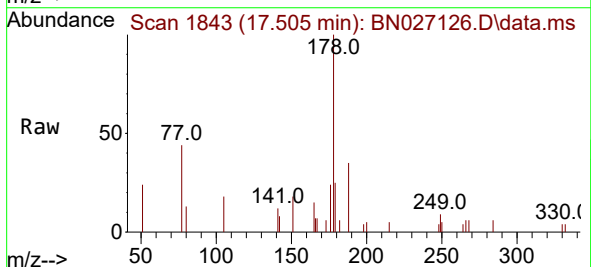
Tgt Ion:178 Resp: 2141

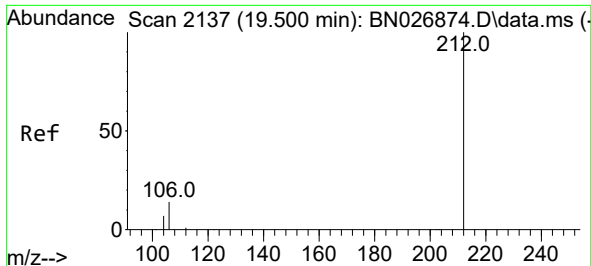
Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 16.9 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.352 ng

RT: 19.476 min Scan# 2132

Delta R.T. 0.000 min

Lab File: BN027126.D

Acq: 25 Aug 2023 19:38

Instrument :

BNA_N

ClientSampleId :

RE108D1-20230815

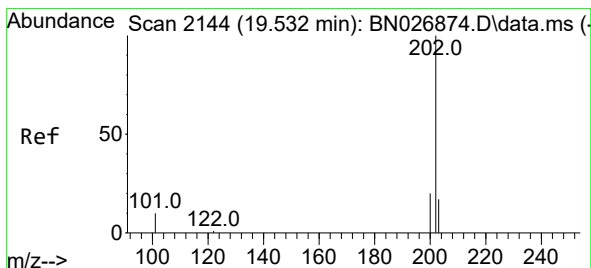
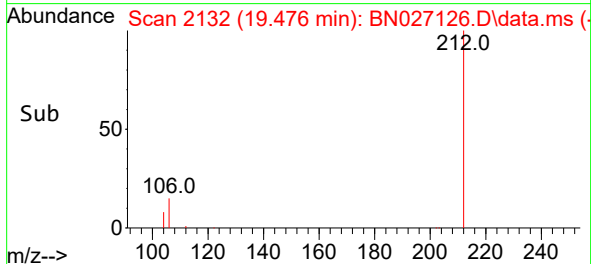
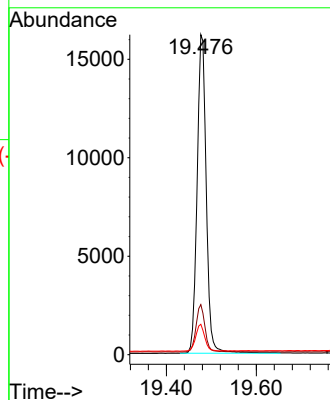
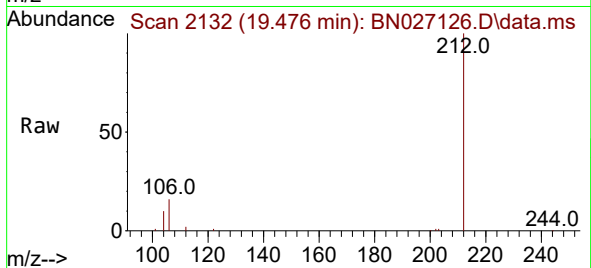
Tgt Ion:212 Resp: 22951

Ion Ratio Lower Upper

212 100

106 14.7 10.9 16.3

104 8.4 5.9 8.9



#28

Fluoranthene

Concen: 0.041 ng

RT: 19.509 min Scan# 2139

Delta R.T. 0.000 min

Lab File: BN027126.D

Acq: 25 Aug 2023 19:38

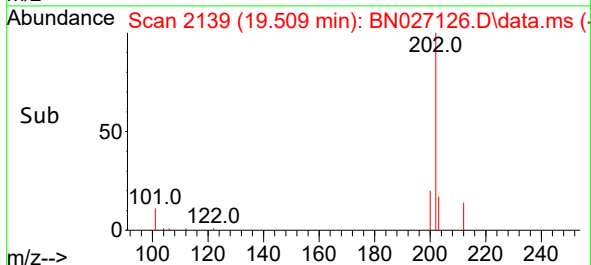
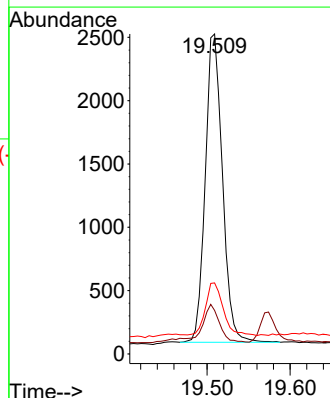
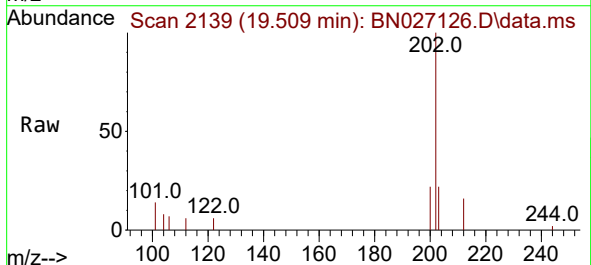
Tgt Ion:202 Resp: 3510

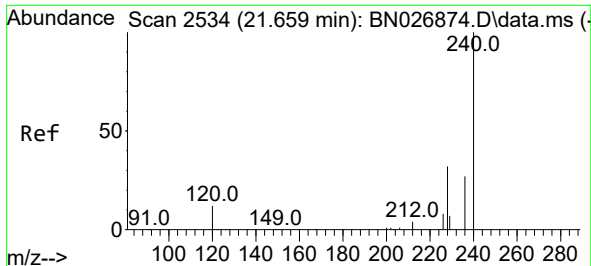
Ion Ratio Lower Upper

202 100

101 14.0 8.9 13.3#

203 18.4 13.7 20.5

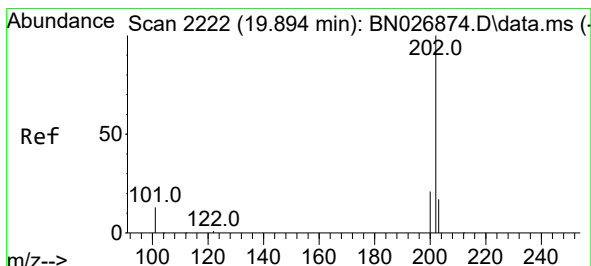
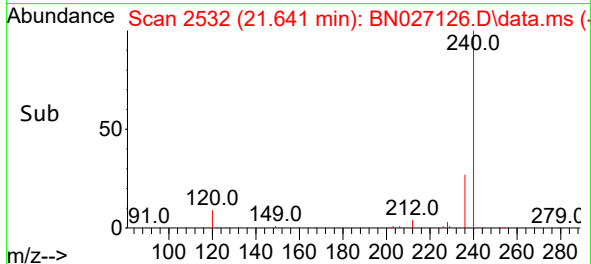
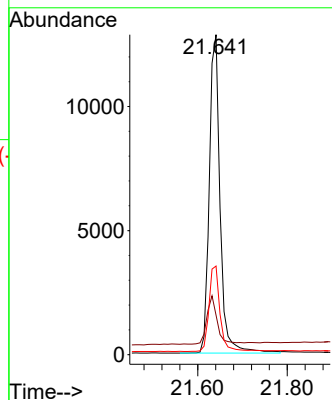
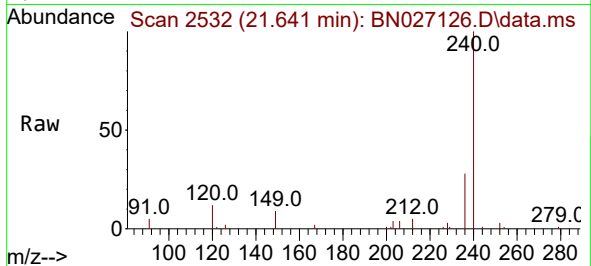




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.641 min Scan# 21547
Delta R.T. 0.009 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

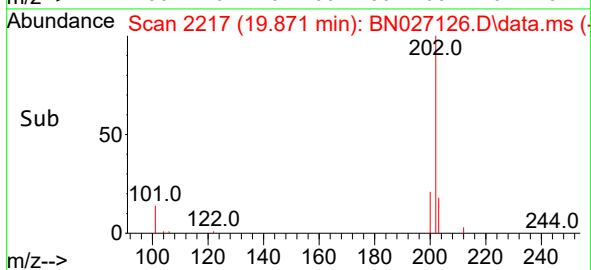
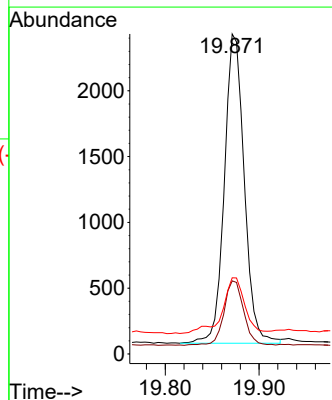
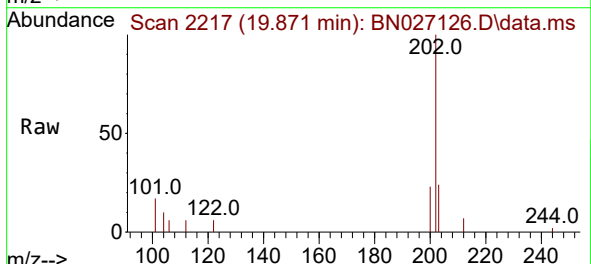
Instrument :
BNA_N
ClientSampleId :
RE108D1-20230815

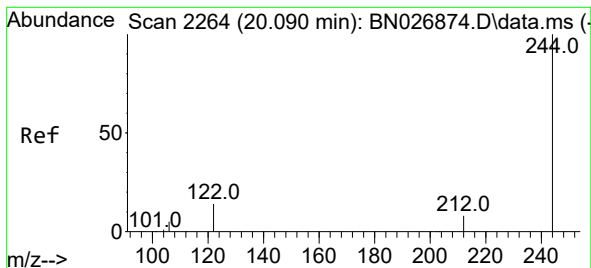
Tgt Ion:240 Resp: 21547
Ion Ratio Lower Upper
240 100
120 12.3 11.1 16.7
236 27.7 22.2 33.2



#30
Pyrene
Concen: 0.042 ng
RT: 19.871 min Scan# 2217
Delta R.T. 0.000 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

Tgt Ion:202 Resp: 3458
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 20.1 14.4 21.6





#31

Terphenyl-d14

Concen: 0.455 ng

RT: 20.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027126.D

Acq: 25 Aug 2023 19:38

Instrument :

BNA_N

ClientSampleId :

RE108D1-20230815

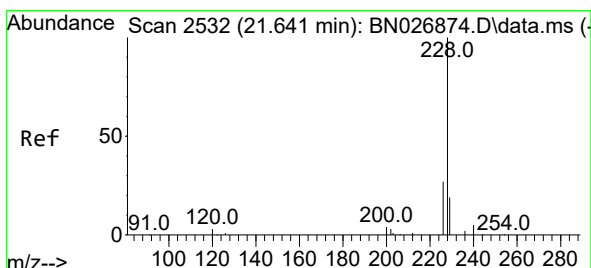
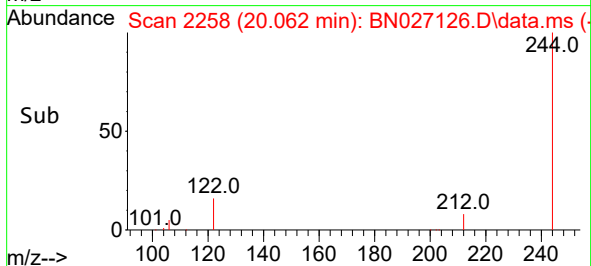
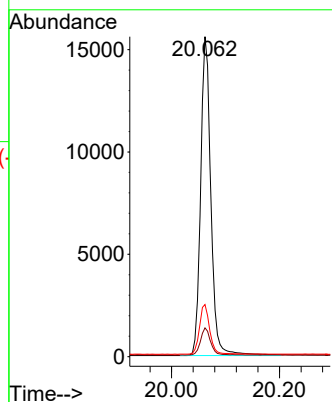
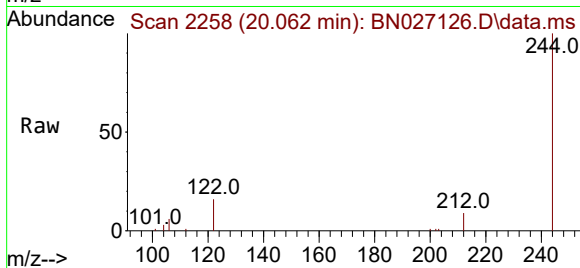
Tgt Ion:244 Resp: 20482

Ion Ratio Lower Upper

244 100

212 9.0 6.9 10.3

122 16.3 11.9 17.9



#32

Benzo(a)anthracene

Concen: 0.032 ng

RT: 21.614 min Scan# 2529

Delta R.T. 0.000 min

Lab File: BN027126.D

Acq: 25 Aug 2023 19:38

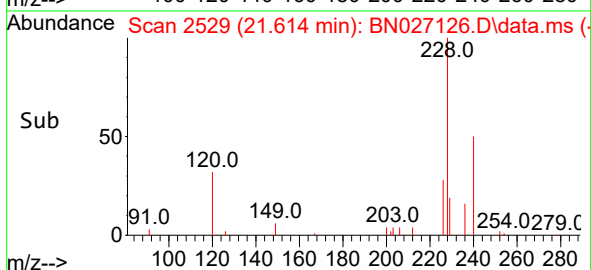
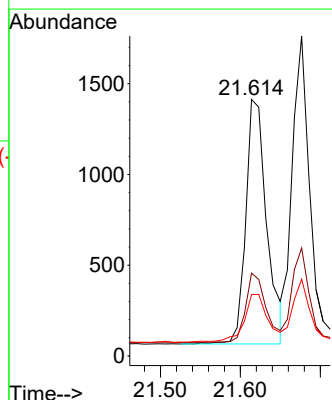
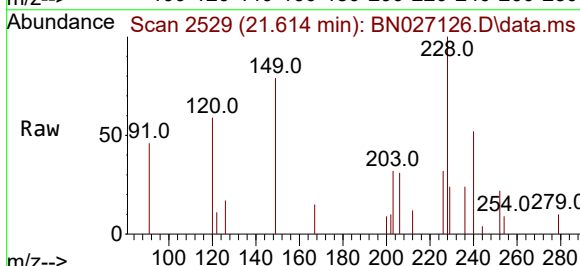
Tgt Ion:228 Resp: 2454

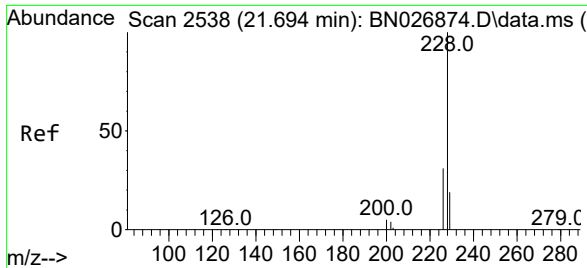
Ion Ratio Lower Upper

228 100

226 32.3 22.1 33.1

229 23.9 15.5 23.3#





#33

Chrysene

Concen: 0.032 ng

RT: 21.677 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN027126.D

Acq: 25 Aug 2023 19:38

Instrument :

BNA_N

ClientSampleId :

RE108D1-20230815

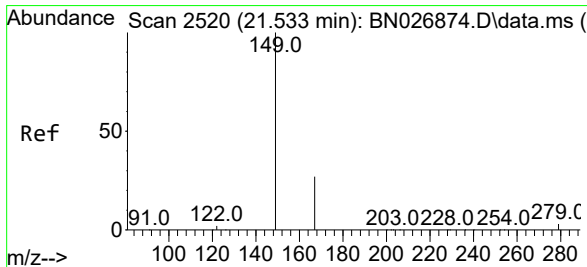
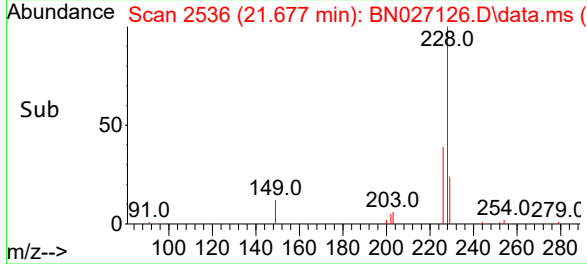
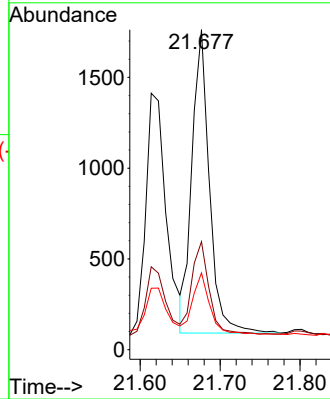
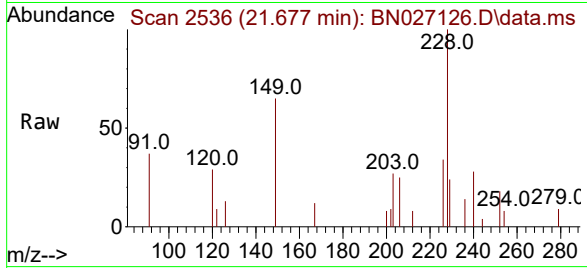
Tgt Ion:228 Resp: 2535

Ion Ratio Lower Upper

228 100

226 33.7 24.6 37.0

229 24.0 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.075 ng

RT: 21.497 min Scan# 2516

Delta R.T. 0.000 min

Lab File: BN027126.D

Acq: 25 Aug 2023 19:38

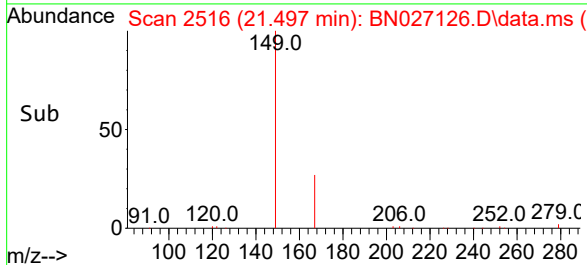
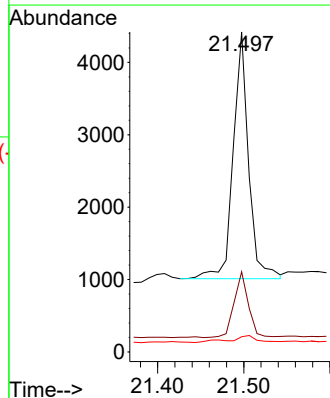
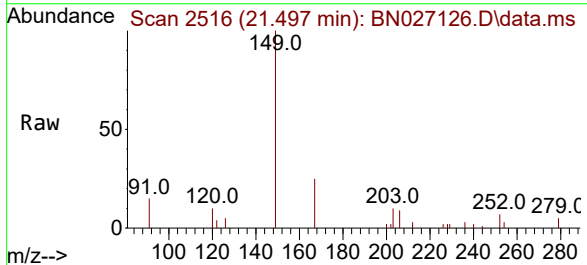
Tgt Ion:149 Resp: 4225

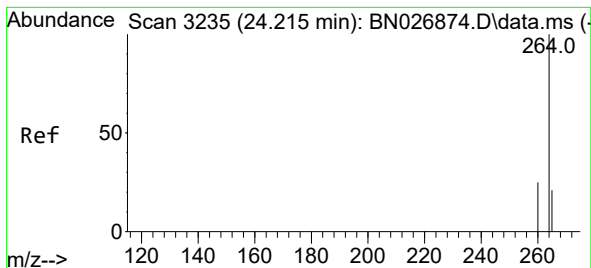
Ion Ratio Lower Upper

149 100

167 24.8 21.4 32.0

279 4.9 3.6 5.4





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.174 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN027126.D

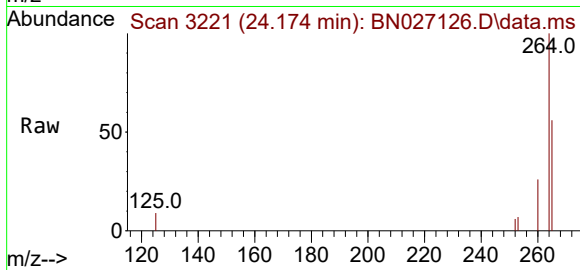
Acq: 25 Aug 2023 19:38

Instrument :

BNA_N

ClientSampleId :

RE108D1-20230815



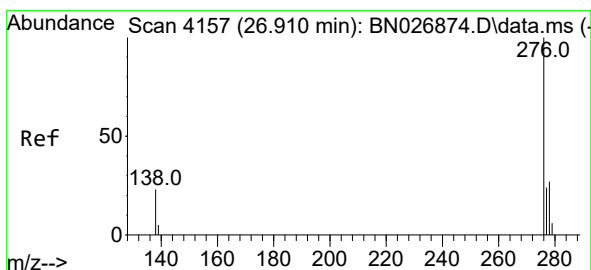
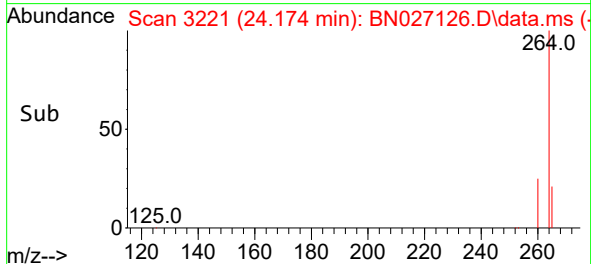
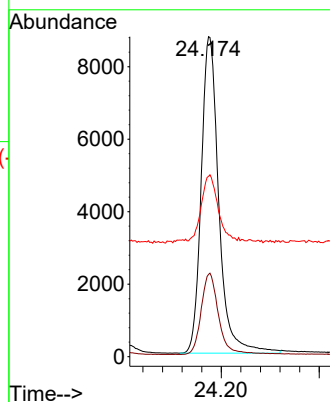
Tgt Ion:264 Resp: 21743

Ion Ratio Lower Upper

264 100

260 25.7 20.4 30.6

265 56.4 27.0 40.6#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.024 ng

RT: 26.864 min Scan# 4141

Delta R.T. 0.012 min

Lab File: BN027126.D

Acq: 25 Aug 2023 19:38

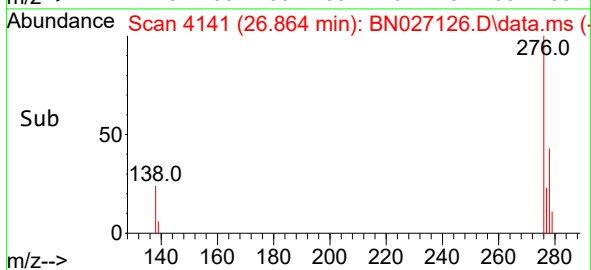
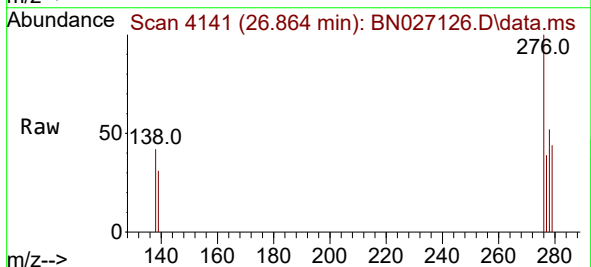
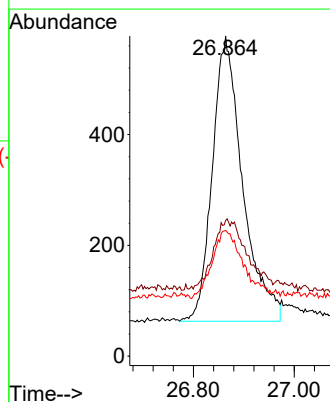
Tgt Ion:276 Resp: 2139

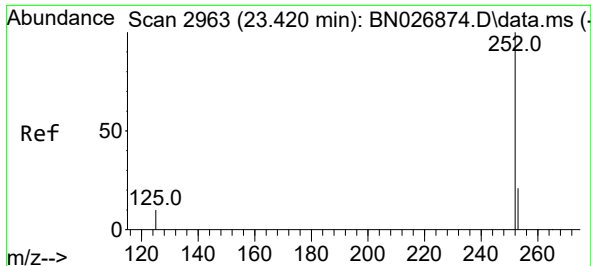
Ion Ratio Lower Upper

276 100

138 13.4 21.1 31.7#

277 23.0 19.9 29.9

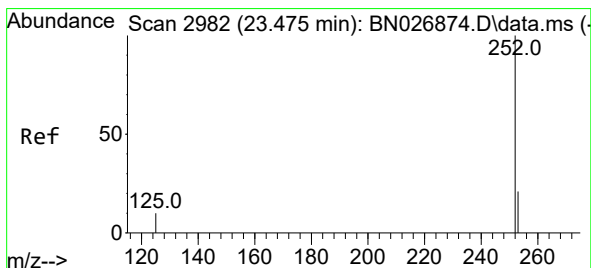
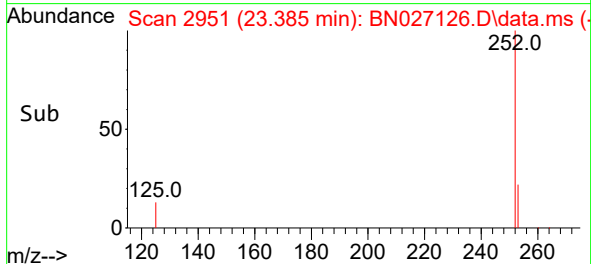
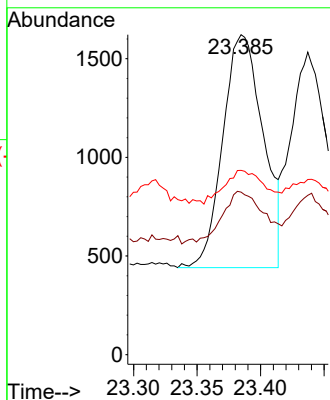
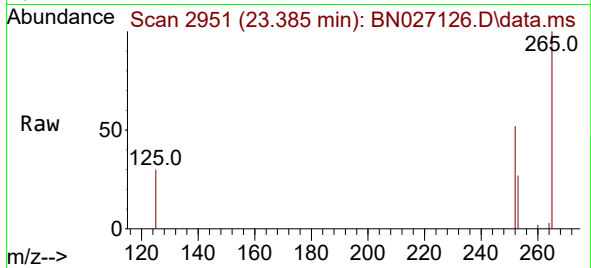




#37
Benzo(b)fluoranthene
Concen: 0.036 ng
RT: 23.385 min Scan# 2951
Delta R.T. 0.006 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

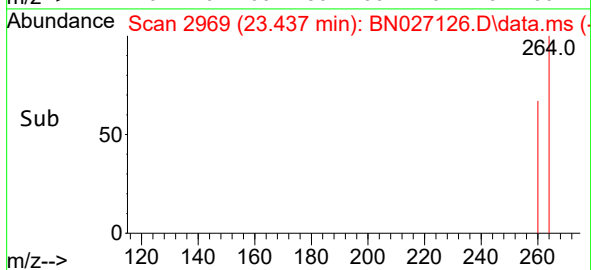
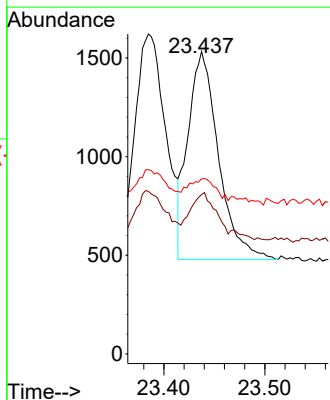
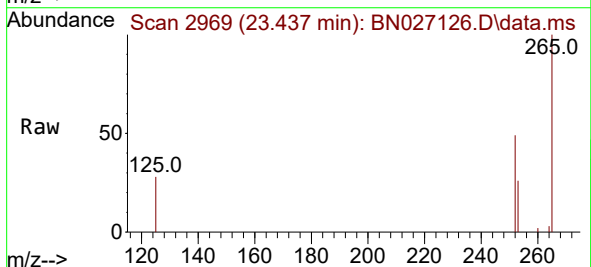
Instrument :
BNA_N
ClientSampleId :
RE108D1-20230815

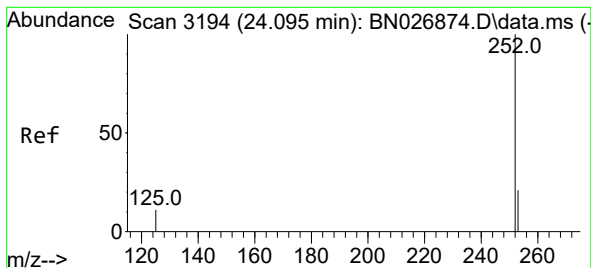
Tgt Ion:252 Resp: 2619
Ion Ratio Lower Upper
252 100
253 50.8 18.4 27.6#
125 57.6 10.2 15.2#



#38
Benzo(k)fluoranthene
Concen: 0.030 ng
RT: 23.437 min Scan# 2969
Delta R.T. 0.006 min
Lab File: BN027126.D
Acq: 25 Aug 2023 19:38

Tgt Ion:252 Resp: 2223
Ion Ratio Lower Upper
252 100
253 52.7 18.4 27.6#
125 57.9 10.2 15.2#





#39

Benzo(a)pyrene

Concen: 0.025 ng

RT: 24.063 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN027126.D

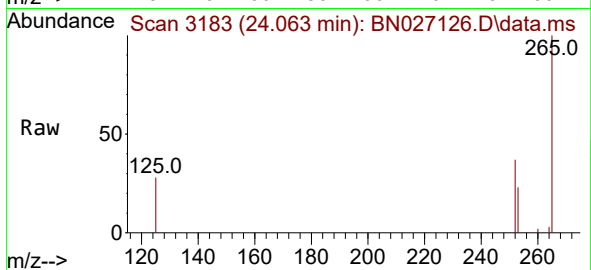
Acq: 25 Aug 2023 19:38

Instrument :

BNA_N

ClientSampleId :

RE108D1-20230815



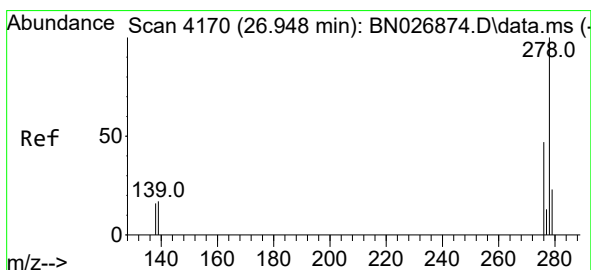
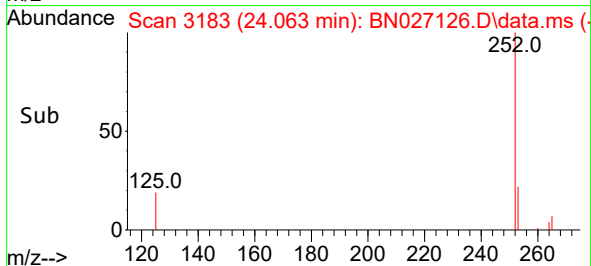
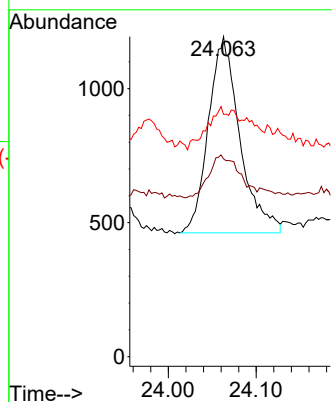
Tgt Ion:252 Resp: 1814

Ion Ratio Lower Upper

252 100

253 61.8 18.6 28.0#

125 75.7 11.7 17.5#



#40

Dibenzo(a,h)anthracene

Concen: 0.021 ng

RT: 26.887 min Scan# 4149

Delta R.T. 0.006 min

Lab File: BN027126.D

Acq: 25 Aug 2023 19:38

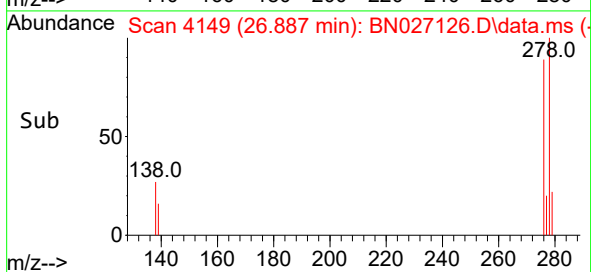
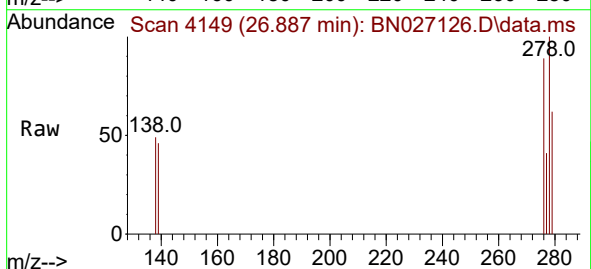
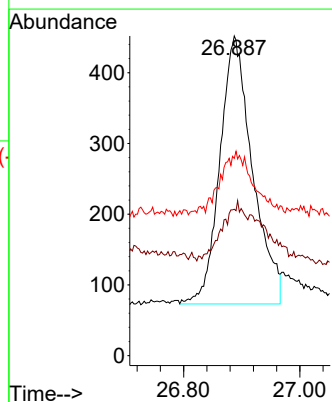
Tgt Ion:278 Resp: 1478

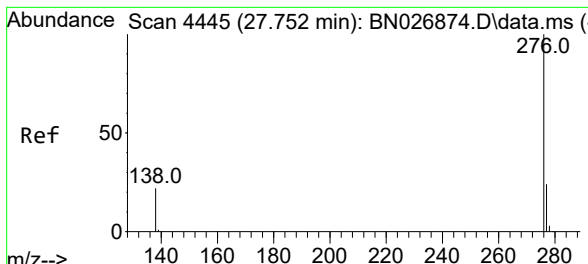
Ion Ratio Lower Upper

278 100

139 45.8 15.3 22.9#

279 61.7 19.9 29.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.025 ng
 RT: 27.697 min Scan# 44
 Delta R.T. 0.009 min
 Lab File: BN027126.D
 Acq: 25 Aug 2023 19:38

Instrument :
 BNA_N
 ClientSampleId :
 RE108D1-20230815

Tgt Ion:	276	Resp:	1907
Ion	Ratio	Lower	Upper
276	100		
277	42.5	19.8	29.8#
138	44.9	19.0	28.4#

