

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022424\
 Data File : BN030008.D
 Acq On : 25 Feb 2024 00:32
 Operator : MA/JU
 Sample : P1532-03
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE103D2-20240216

Quant Time: Feb 26 02:46:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 02:39:45 2024
 Response via : Initial Calibration

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

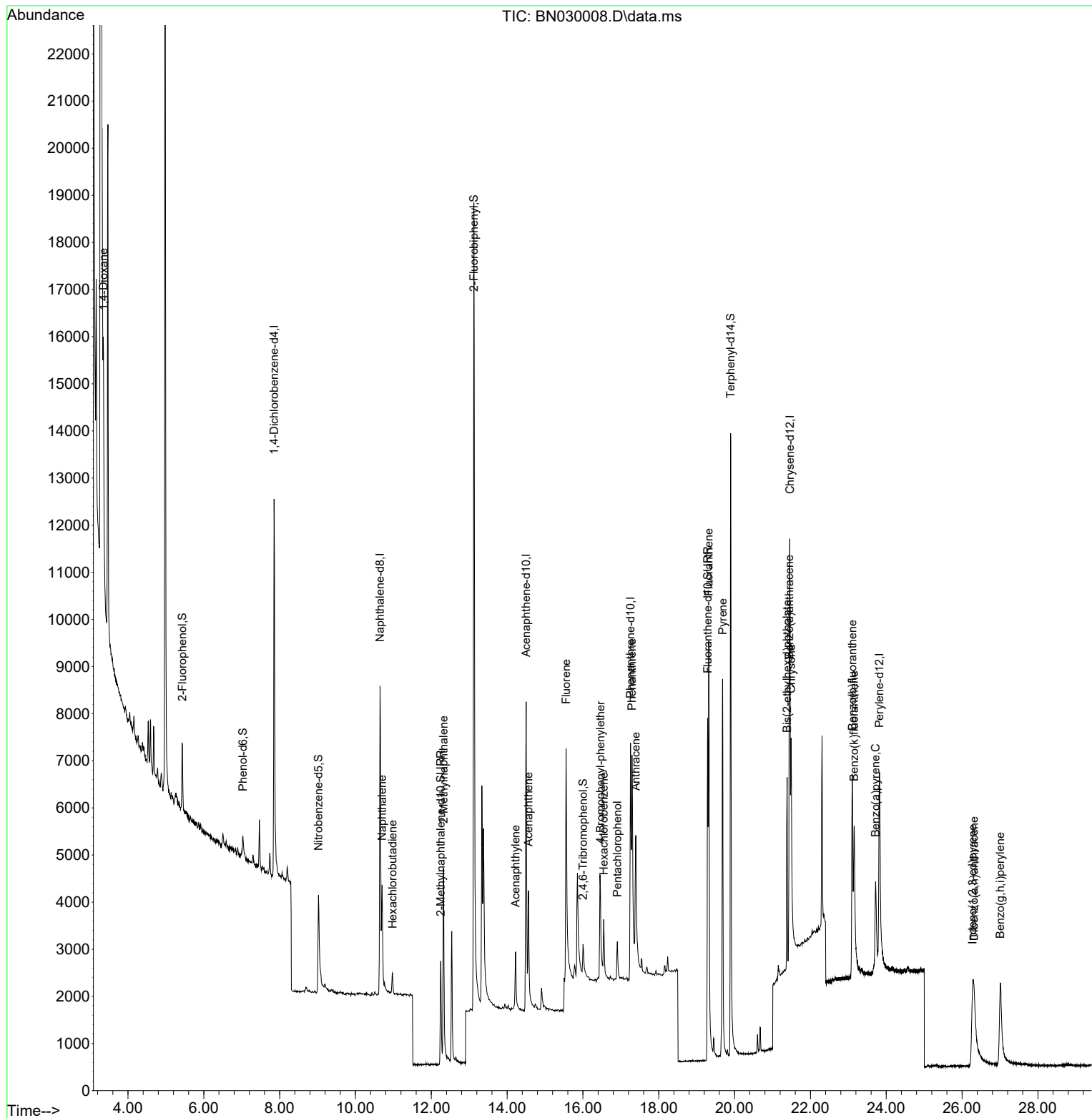
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	4136	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	10580	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	4802	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	10485	0.400	ng	0.00
29) Chrysene-d12	21.456	240	8493	0.400	ng	# 0.00
35) Perylene-d12	23.820	264	8540	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	1202	0.121	ng	0.00
5) Phenol-d6	7.031	99	672	0.059	ng	0.00
8) Nitrobenzene-d5	9.025	82	2805	0.318	ng	0.01
11) 2-Methylnaphthalene-d10	12.250	152	3871	0.269	ng	0.00
14) 2,4,6-Tribromophenol	16.002	330	555	0.360	ng	0.00
15) 2-Fluorobiphenyl	13.121	172	18972	0.920	ng	0.00
27) Fluoranthene-d10	19.289	212	10134	0.399	ng	0.00
31) Terphenyl-d14	19.898	244	16342	0.775	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.355	88	1772	0.304	ng	# 62
9) Naphthalene	10.701	128	3239	0.107	ng	# 94
10) Hexachlorobutadiene	10.979	225	380	0.067	ng	# 98
12) 2-Methylnaphthalene	12.321	142	3542	0.200	ng	97
16) Acenaphthylene	14.222	152	1928	0.085	ng	98
17) Acenaphthene	14.564	154	1434	0.094	ng	97
18) Fluorene	15.555	166	3550	0.185	ng	98
21) 4-Bromophenyl-phenylether	16.461	248	1264	0.203	ng	# 79
22) Hexachlorobenzene	16.548	284	997	0.130	ng	# 90
24) Pentachlorophenol	16.908	266	590	0.243	ng	95
25) Phenanthrene	17.293	178	6160	0.199	ng	99
26) Anthracene	17.392	178	4886	0.185	ng	99
28) Fluoranthene	19.317	202	9211	0.264	ng	99
30) Pyrene	19.684	202	8864	0.227	ng	99
32) Benzo(a)anthracene	21.438	228	5592	0.193	ng	99
33) Chrysene	21.492	228	4377	0.133	ng	99
34) Bis(2-ethylhexyl)phtha...	21.384	149	3978	0.201	ng	99
36) Indeno(1,2,3-cd)pyrene	26.276	276	5405	0.157	ng	# 85
37) Benzo(b)fluoranthene	23.104	252	6901	0.226	ng	# 91
38) Benzo(k)fluoranthene	23.154	252	5160	0.161	ng	# 86
39) Benzo(a)pyrene	23.718	252	4489	0.169	ng	# 75
40) Dibenzo(a,h)anthracene	26.314	278	2858	0.105	ng	# 69
41) Benzo(g,h,i)perylene	27.007	276	5518	0.166	ng	96

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

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Sample : P1532-03
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
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RE103D2-20240216

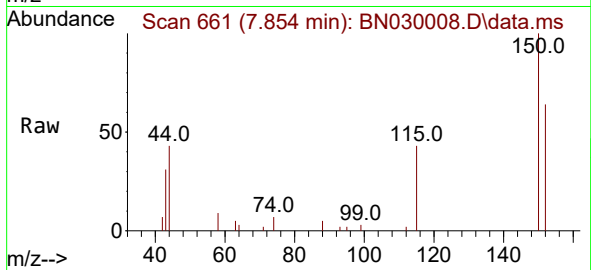
Quant Time: Feb 26 02:46:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
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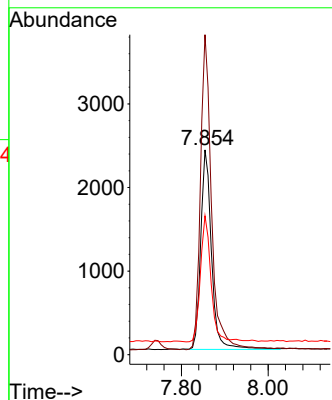
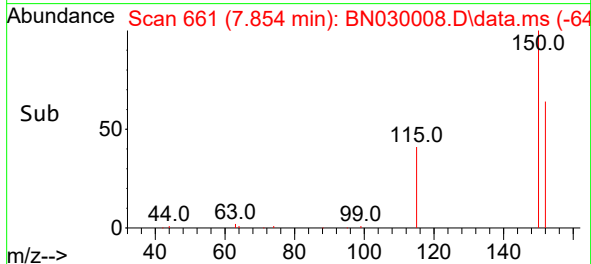


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.854 min Scan# 6
 Delta R.T. 0.000 min
 Lab File: BN030008.D
 Acq: 25 Feb 2024 00:32

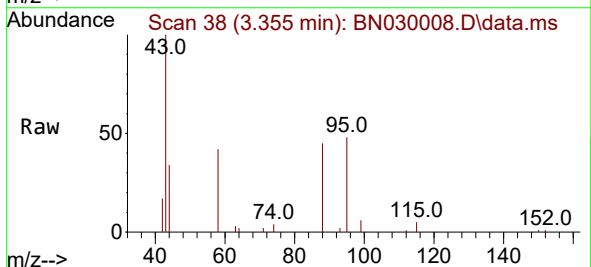
Instrument :
 BNA_N
 ClientSampleId :
 RE103D2-20240216



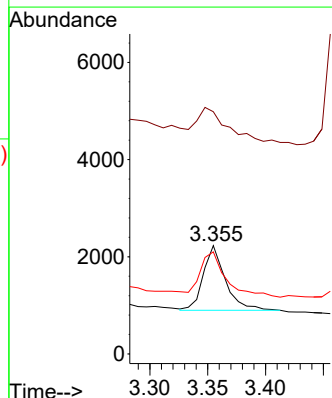
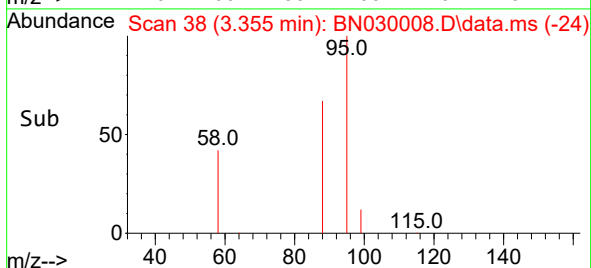
Tgt Ion:152 Resp: 4136
 Ion Ratio Lower Upper
 152 100
 150 156.2 123.0 184.4
 115 67.8 51.4 77.0



#2
 1,4-Dioxane
 Concen: 0.304 ng
 RT: 3.355 min Scan# 38
 Delta R.T. 0.000 min
 Lab File: BN030008.D
 Acq: 25 Feb 2024 00:32



Tgt Ion: 88 Resp: 1772
 Ion Ratio Lower Upper
 88 100
 43 72.9 23.3 34.9#
 58 82.9 53.8 80.6#

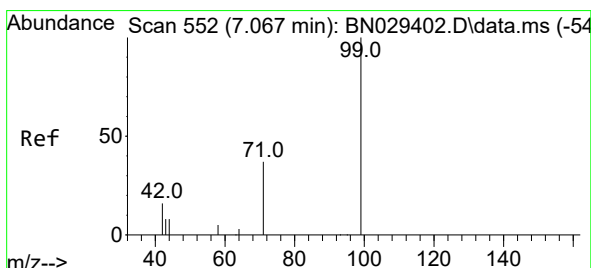
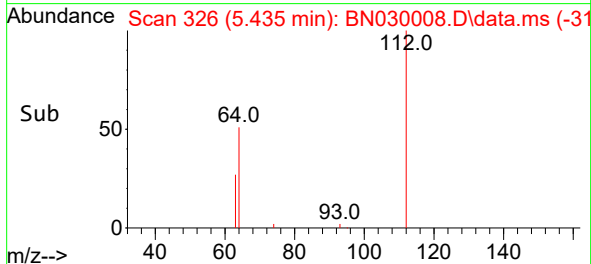
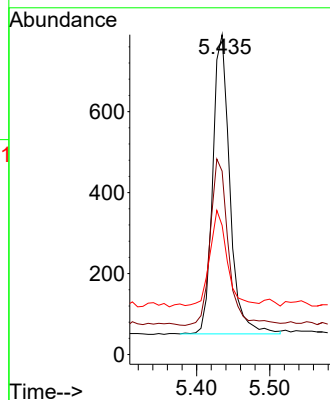
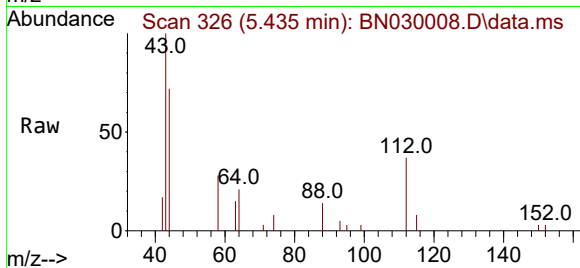




#4
2-Fluorophenol
Concen: 0.121 ng
RT: 5.435 min Scan# 31
Delta R.T. 0.007 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

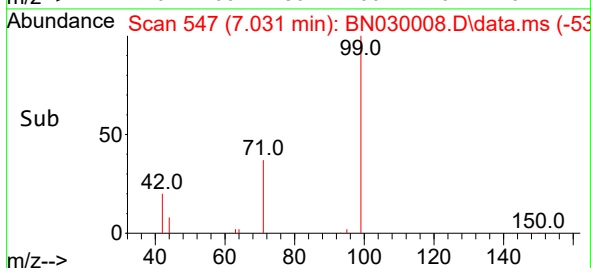
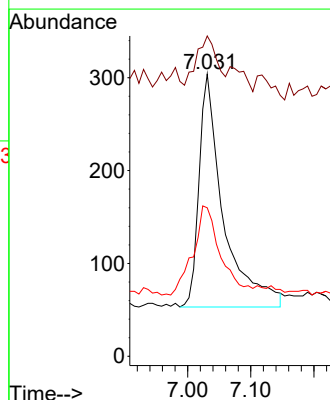
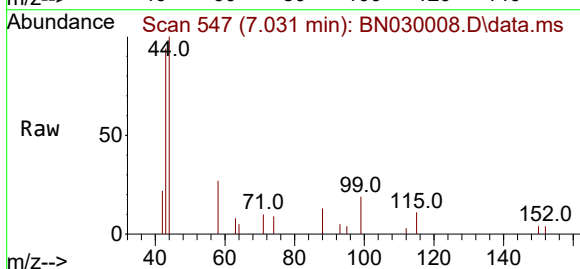
Instrument :
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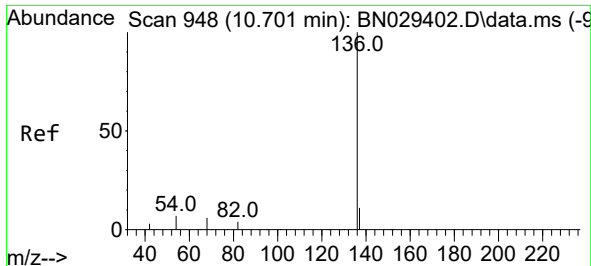
Tgt Ion:112 Resp: 1202
Ion Ratio Lower Upper
112 100
64 58.9 47.2 70.8
63 31.6 25.8 38.6



#5
Phenol-d6
Concen: 0.059 ng
RT: 7.031 min Scan# 547
Delta R.T. 0.007 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Tgt Ion: 99 Resp: 672
Ion Ratio Lower Upper
99 100
42 19.8 16.9 25.3
71 43.2 30.0 45.0

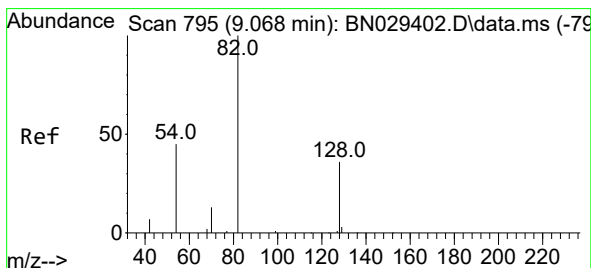
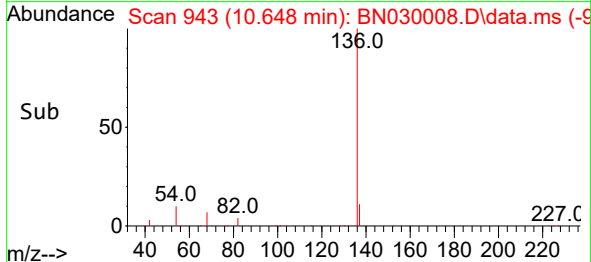
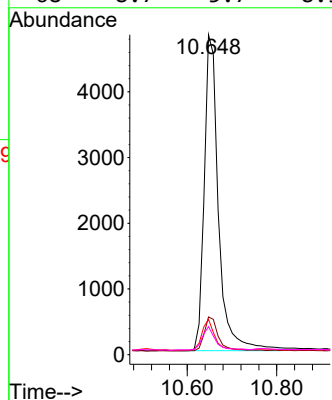
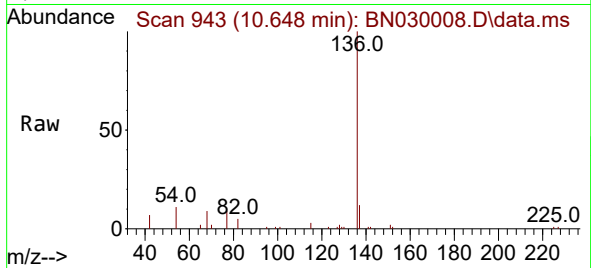




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

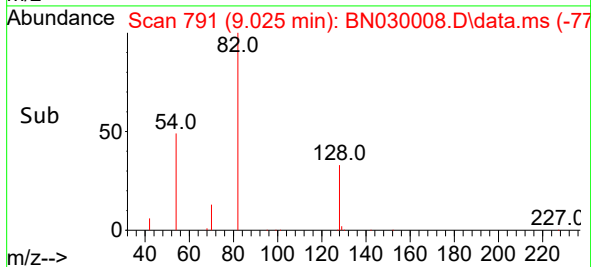
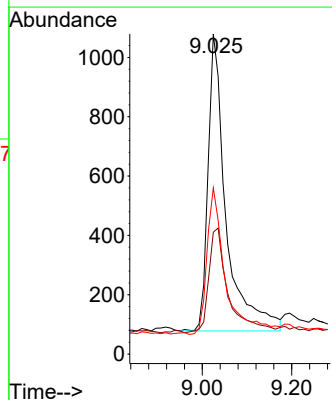
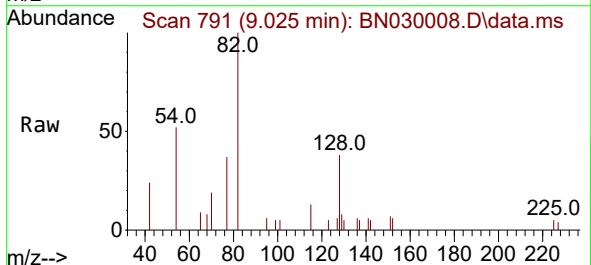
Instrument :
BNA_N
ClientSampleId :
RE103D2-20240216

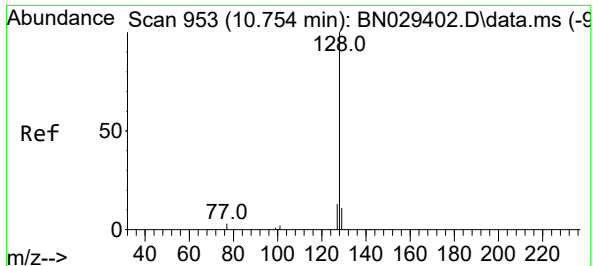
Tgt Ion:	136	Resp:	10580
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.7	14.5
54	11.1	6.6	10.0#
68	8.7	5.7	8.5#



#8
Nitrobenzene-d5
Concen: 0.318 ng
RT: 9.025 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Tgt Ion:	82	Resp:	2805
Ion Ratio	Lower	Upper	
82	100		
128	38.1	31.6	47.4
54	51.9	38.2	57.4

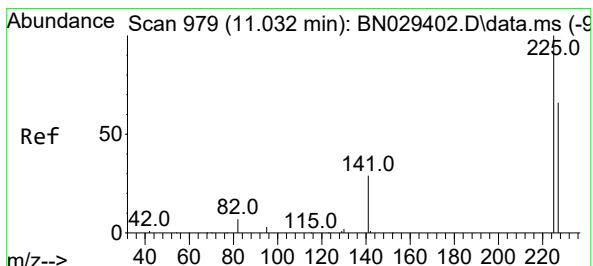
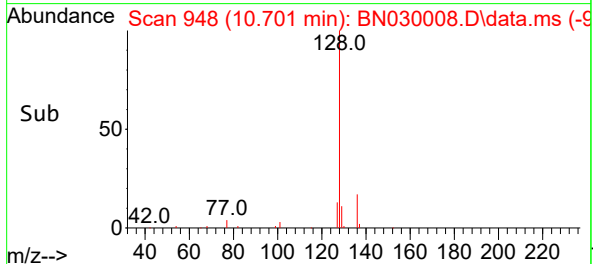
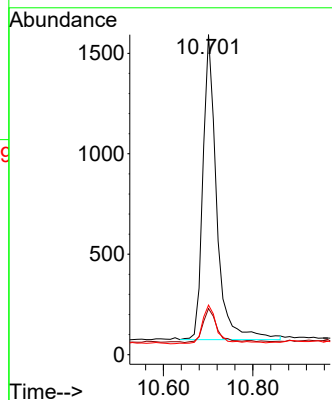
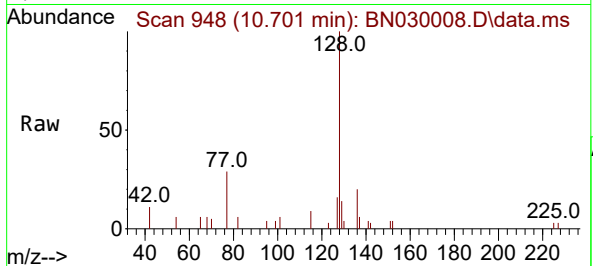




#9
Naphthalene
Concen: 0.107 ng
RT: 10.701 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

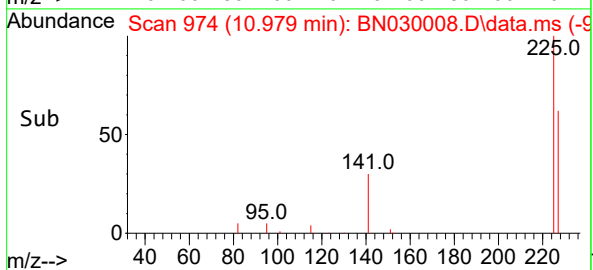
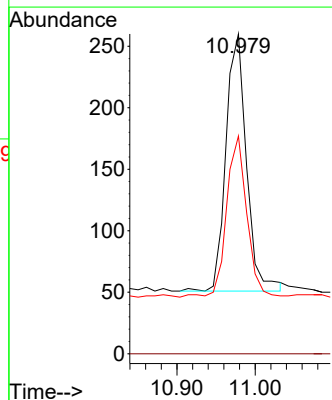
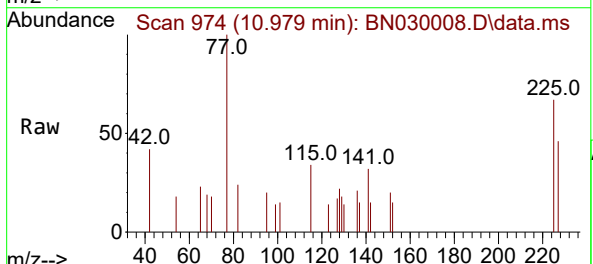
Instrument :
BNA_N
ClientSampleId :
RE103D2-20240216

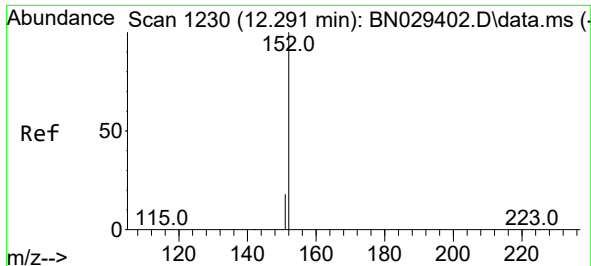
Tgt Ion:128 Resp: 3239
Ion Ratio Lower Upper
128 100
129 14.4 9.5 14.3#
127 15.5 10.8 16.2



#10
Hexachlorobutadiene
Concen: 0.067 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Tgt Ion:225 Resp: 380
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.1 51.1 76.7





#11

2-Methylnaphthalene-d10

Concen: 0.269 ng

RT: 12.250 min Scan# 11

Delta R.T. 0.004 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

Instrument :

BNA_N

ClientSampleId :

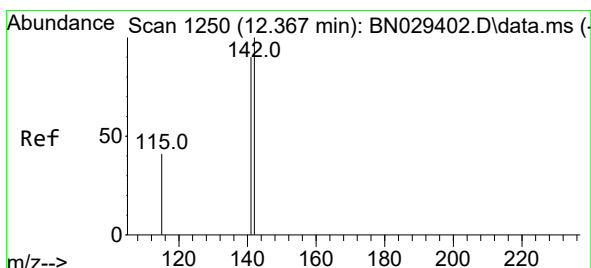
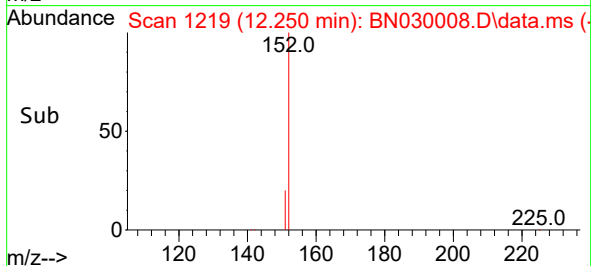
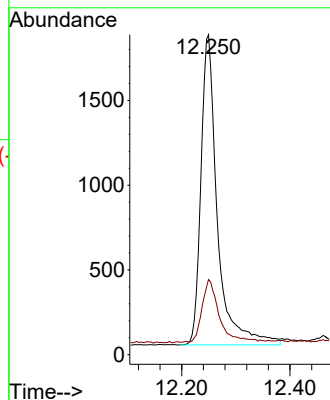
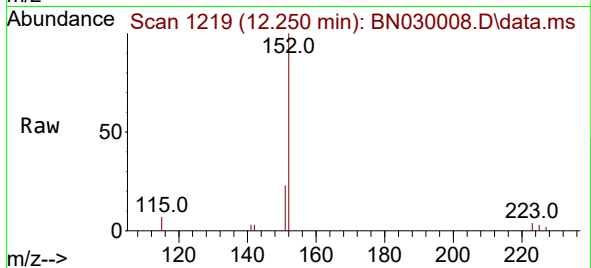
RE103D2-20240216

Tgt Ion:152 Resp: 3871

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7



#12

2-Methylnaphthalene

Concen: 0.200 ng

RT: 12.321 min Scan# 1238

Delta R.T. 0.004 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

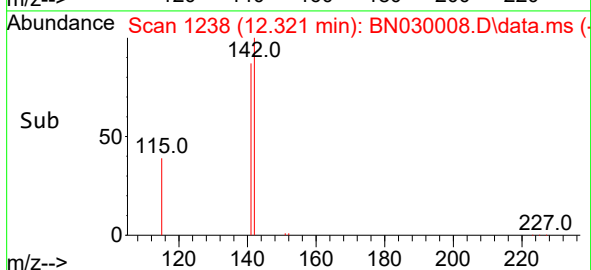
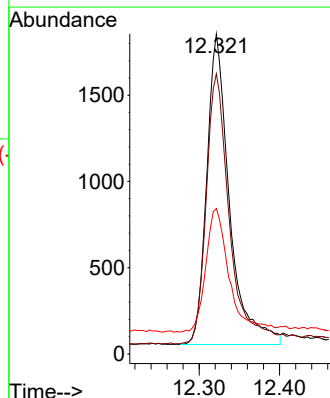
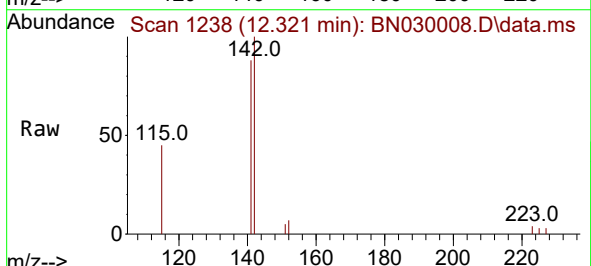
Tgt Ion:142 Resp: 3542

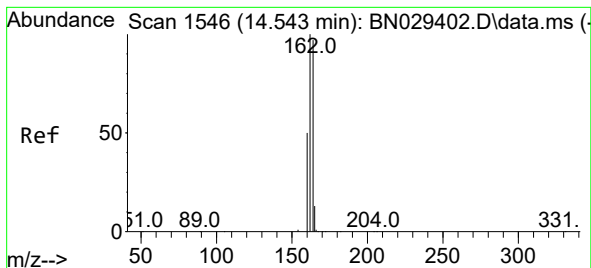
Ion Ratio Lower Upper

142 100

141 87.5 71.9 107.9

115 45.4 33.9 50.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.500 min Scan# 1

Delta R.T. 0.011 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

Instrument :

BNA_N

ClientSampleId :

RE103D2-20240216

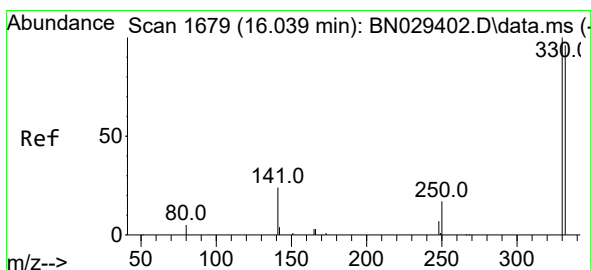
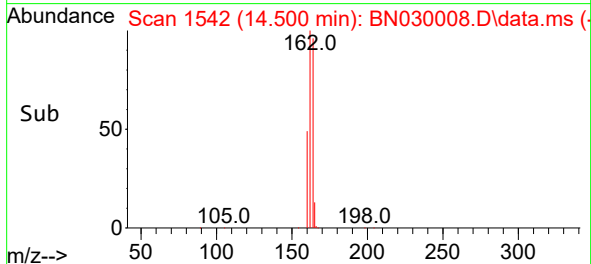
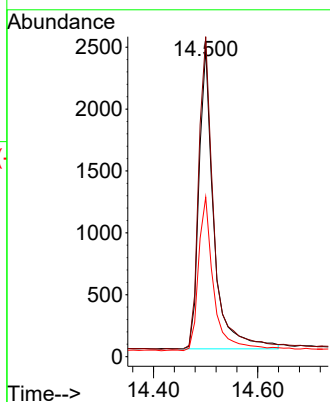
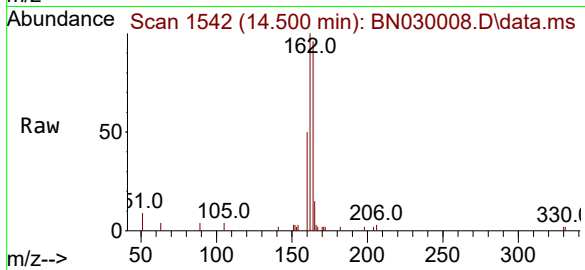
Tgt Ion:164 Resp: 4802

Ion Ratio Lower Upper

164 100

162 103.8 82.6 123.8

160 51.7 41.5 62.3



#14

2,4,6-Tribromophenol

Concen: 0.360 ng

RT: 16.002 min Scan# 1676

Delta R.T. 0.000 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

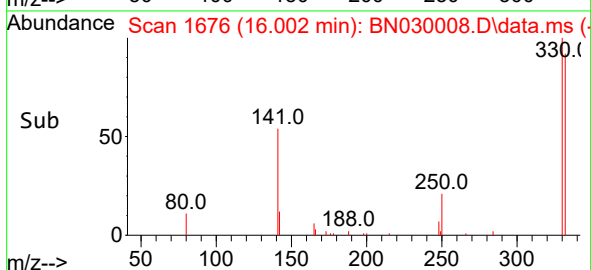
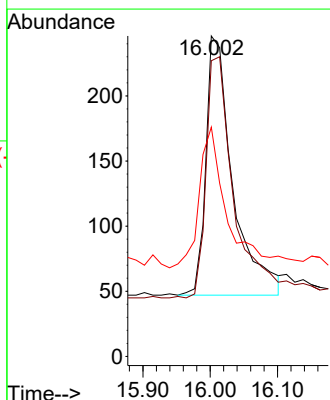
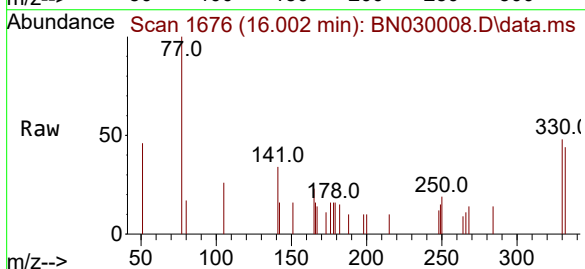
Tgt Ion:330 Resp: 555

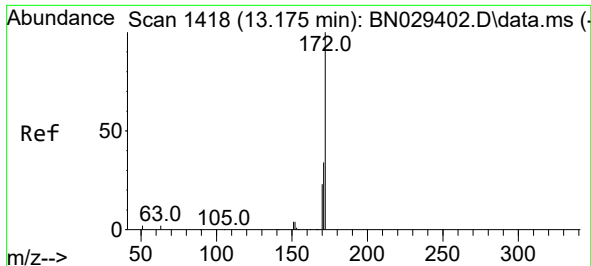
Ion Ratio Lower Upper

330 100

332 95.5 76.0 114.0

141 56.0 43.4 65.2

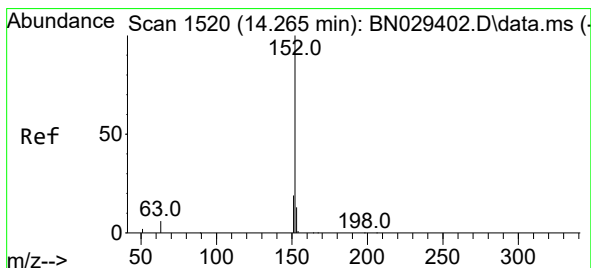
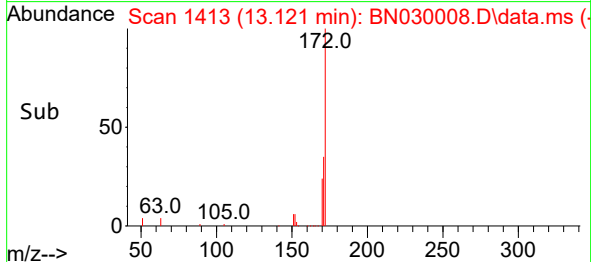
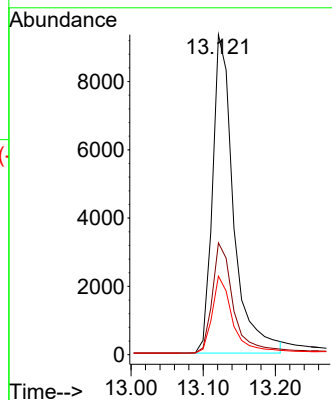
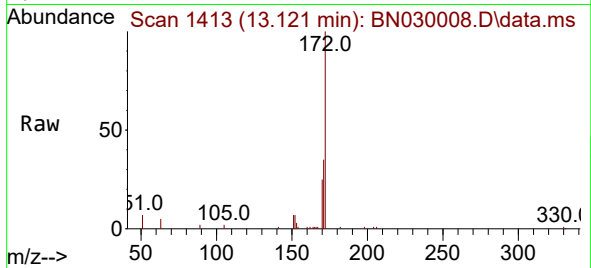




#15
2-Fluorobiphenyl
Concen: 0.920 ng
RT: 13.121 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

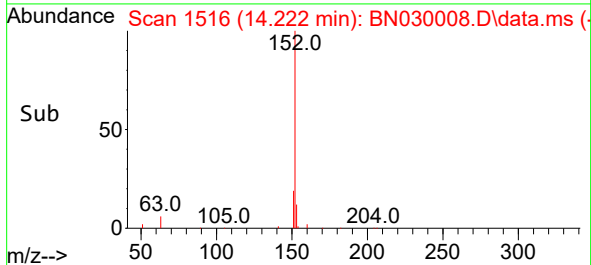
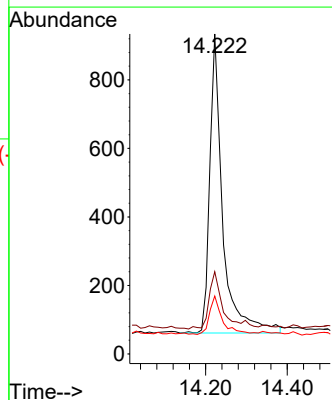
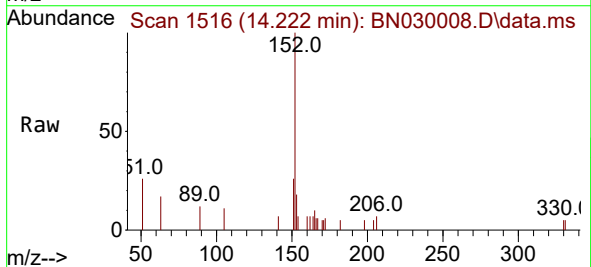
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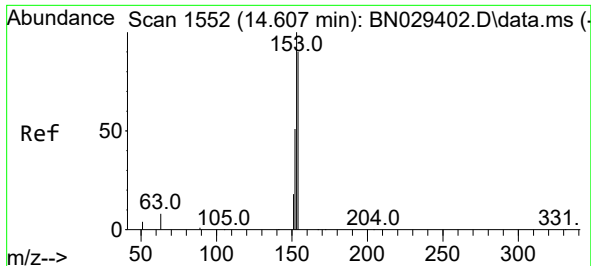
Tgt Ion:172 Resp: 18972
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 24.6 18.7 28.1



#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.222 min Scan# 1516
Delta R.T. 0.011 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Tgt Ion:152 Resp: 1928
Ion Ratio Lower Upper
152 100
151 20.9 15.9 23.9
153 12.6 10.5 15.7

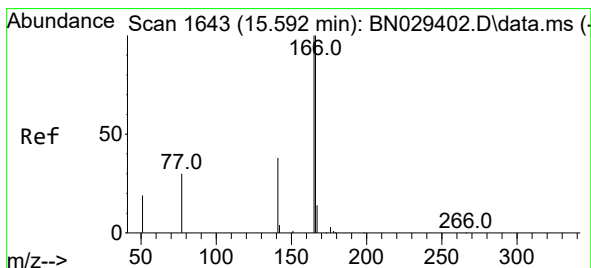
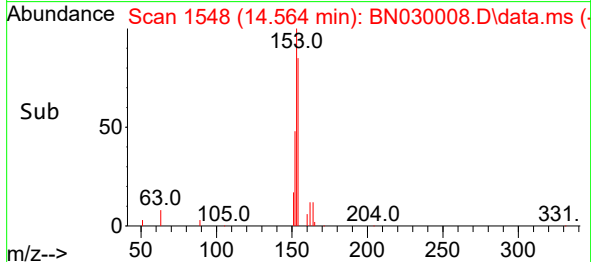
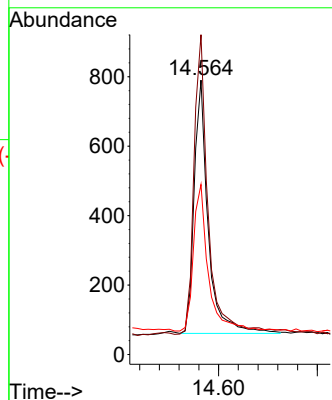
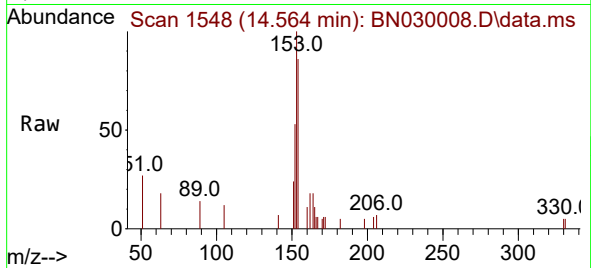




#17
Acenaphthene
Concen: 0.094 ng
RT: 14.564 min Scan# 1548
Delta R.T. 0.011 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

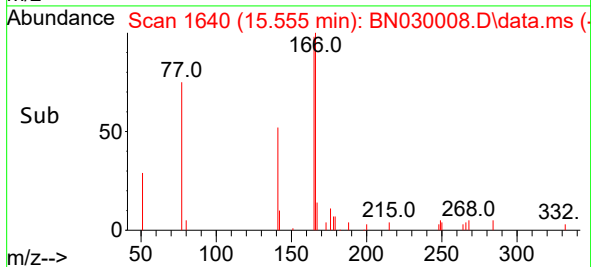
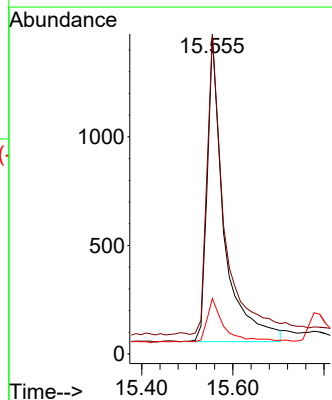
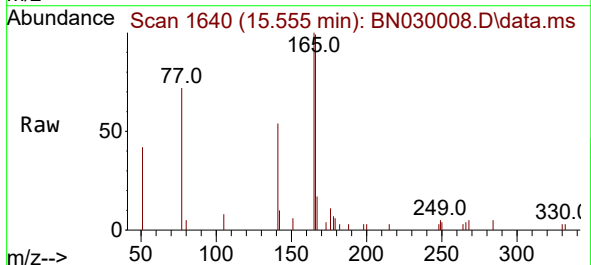
Instrument :
BNA_N
ClientSampleId :
RE103D2-20240216

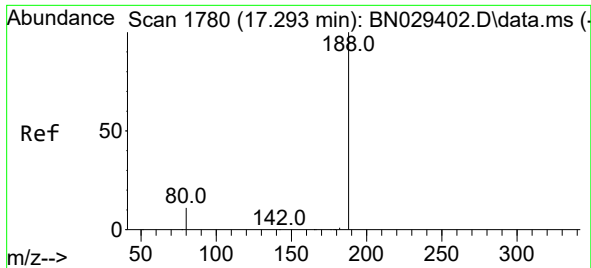
Tgt Ion:154 Resp: 1434
Ion Ratio Lower Upper
154 100
153 121.1 93.6 140.4
152 61.4 48.6 73.0



#18
Fluorene
Concen: 0.185 ng
RT: 15.555 min Scan# 1640
Delta R.T. 0.012 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Tgt Ion:166 Resp: 3550
Ion Ratio Lower Upper
166 100
165 101.9 79.9 119.9
167 14.1 11.3 16.9

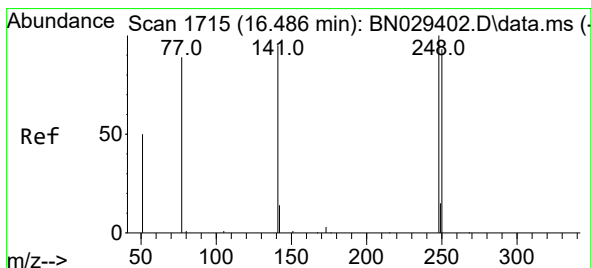
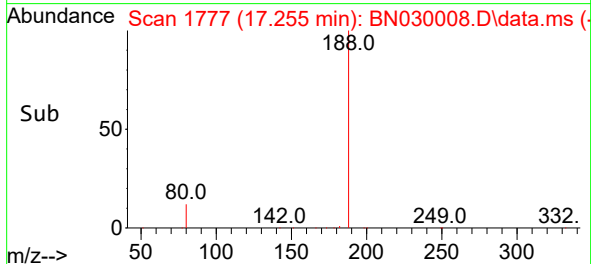
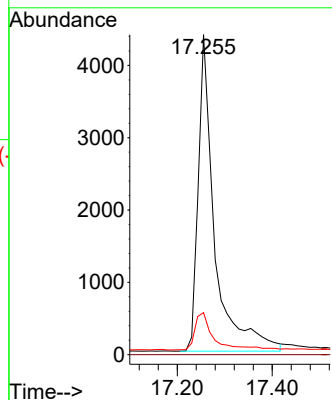
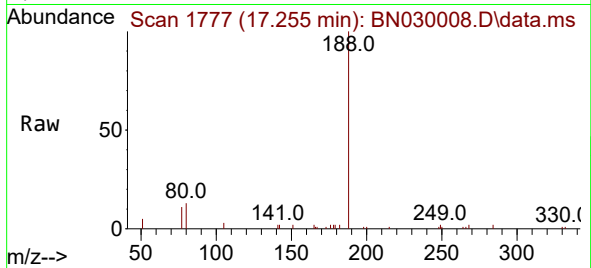




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.255 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

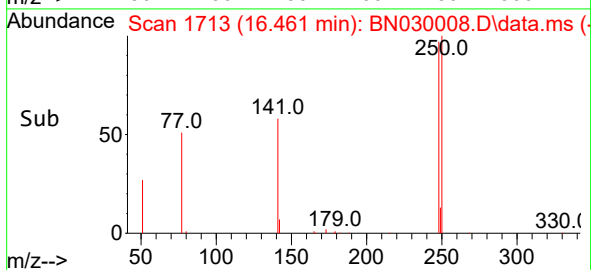
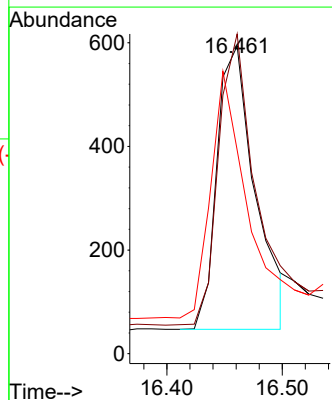
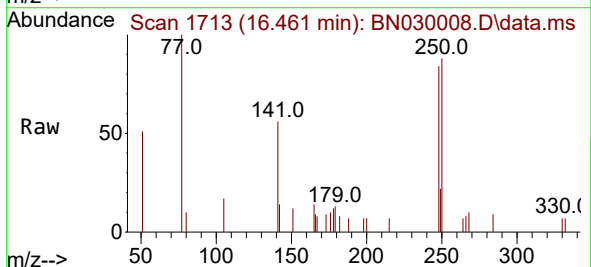
Instrument :
BNA_N
ClientSampleId :
RE103D2-20240216

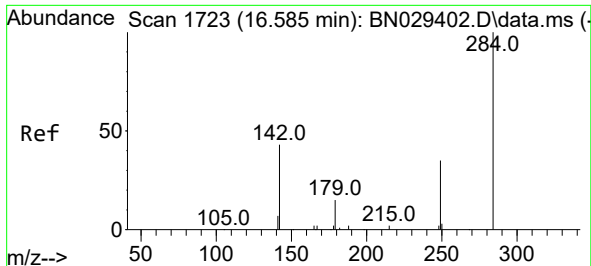
Tgt Ion:188 Resp: 10485
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.1 10.0 15.0



#21
4-Bromophenyl-phenylether
Concen: 0.203 ng
RT: 16.461 min Scan# 1713
Delta R.T. 0.012 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Tgt Ion:248 Resp: 1264
Ion Ratio Lower Upper
248 100
250 103.9 75.0 112.4
141 66.2 77.0 115.6#

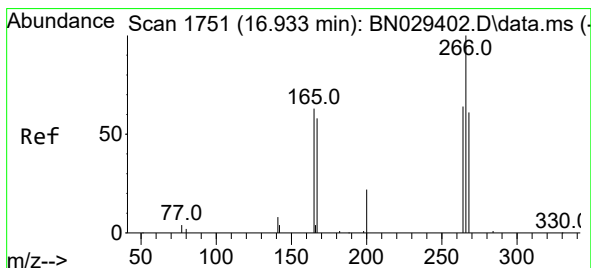
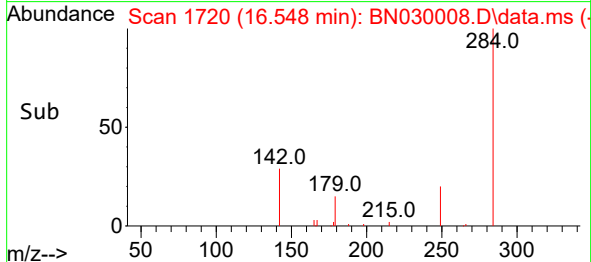
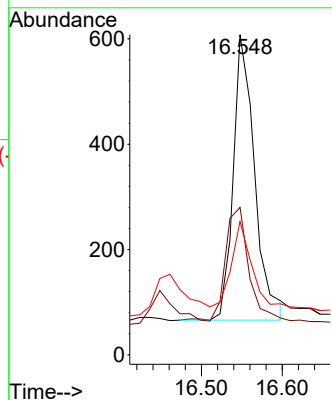
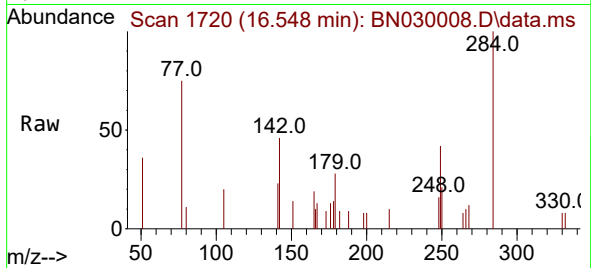




#22
Hexachlorobenzene
Concen: 0.130 ng
RT: 16.548 min Scan# 1720
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

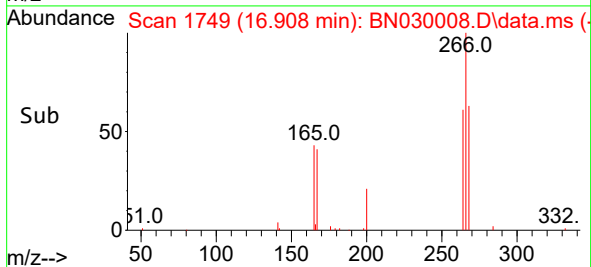
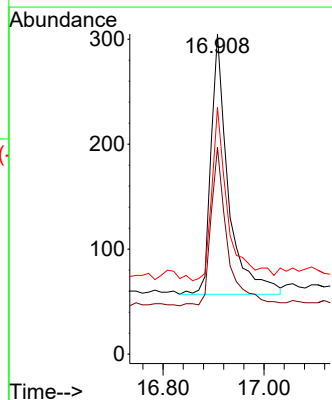
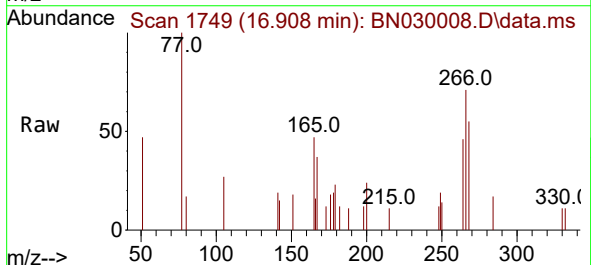
Instrument :
BNA_N
ClientSampleId :
RE103D2-20240216

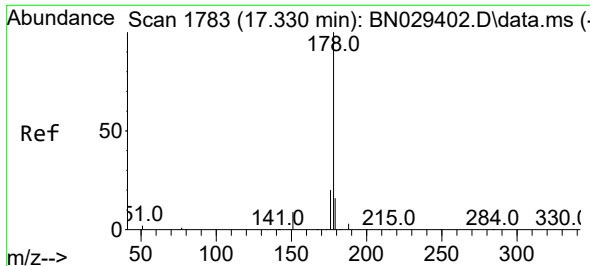
Tgt Ion:284 Resp: 997
Ion Ratio Lower Upper
284 100
142 42.8 39.4 59.2
249 26.8 26.9 40.3#



#24
Pentachlorophenol
Concen: 0.243 ng
RT: 16.908 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Tgt Ion:266 Resp: 590
Ion Ratio Lower Upper
266 100
264 58.1 50.8 76.2
268 62.5 51.5 77.3

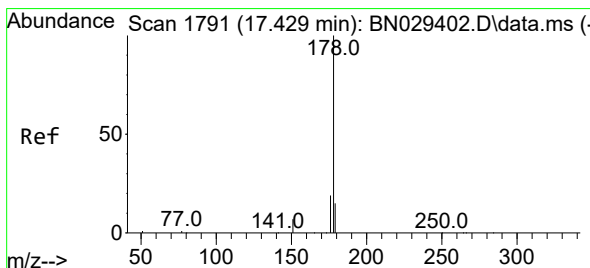
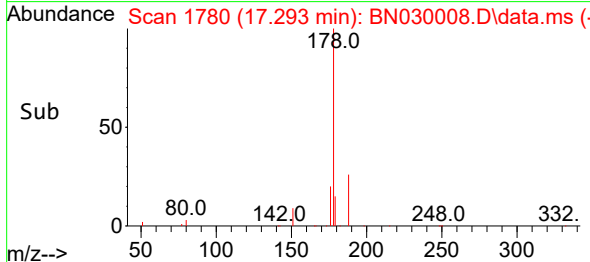
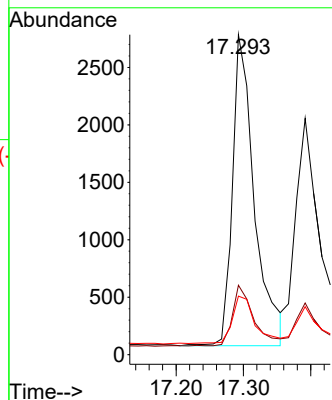
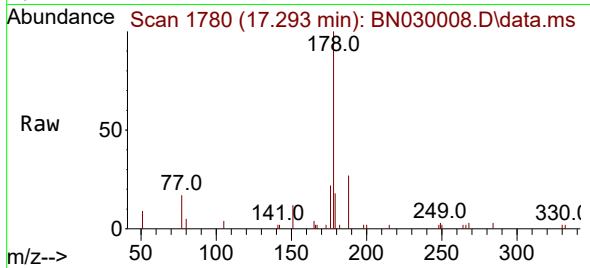




#25
Phenanthrene
Concen: 0.199 ng
RT: 17.293 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

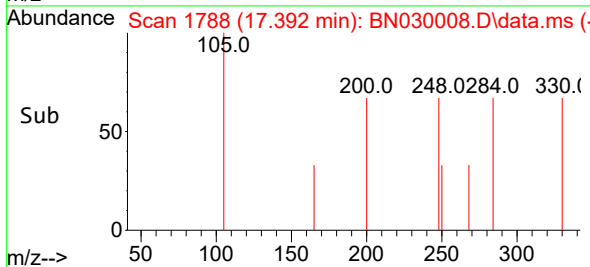
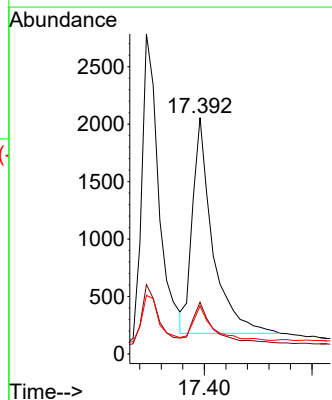
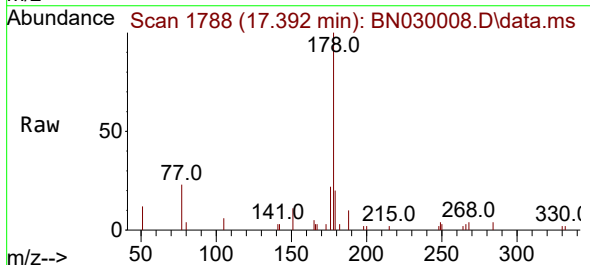
Instrument :
BNA_N
ClientSampleId :
RE103D2-20240216

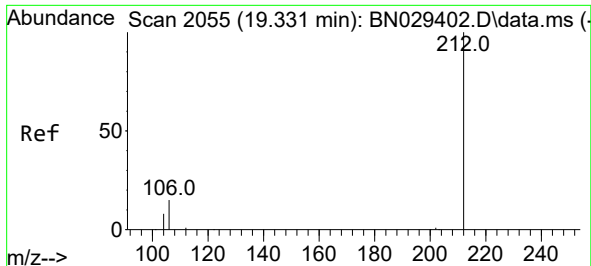
Tgt Ion:178 Resp: 6160
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 16.6 12.6 19.0



#26
Anthracene
Concen: 0.185 ng
RT: 17.392 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Tgt Ion:178 Resp: 4886
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 14.9 12.3 18.5

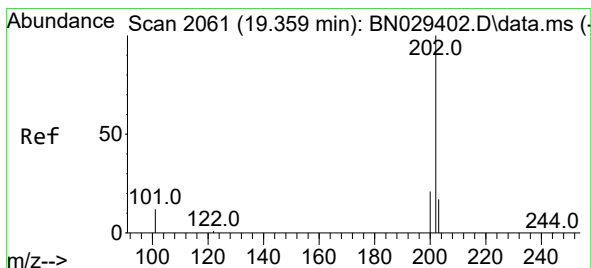
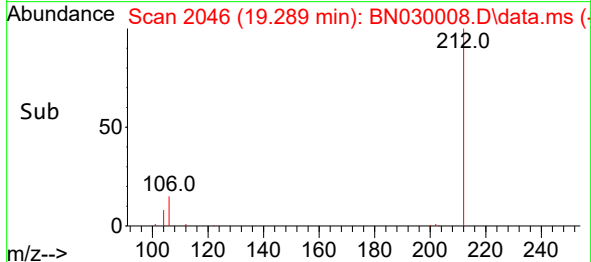
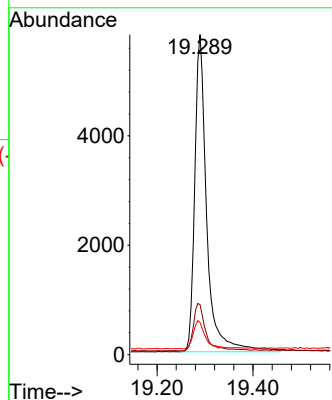
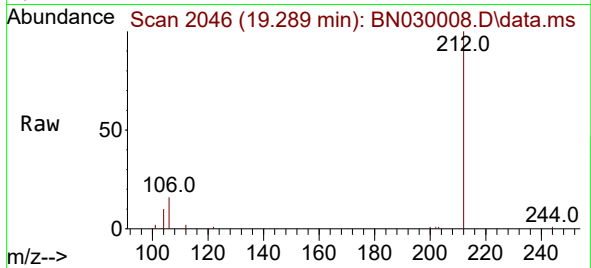




#27
Fluoranthene-d10
Concen: 0.399 ng
RT: 19.289 min Scan# 2046
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

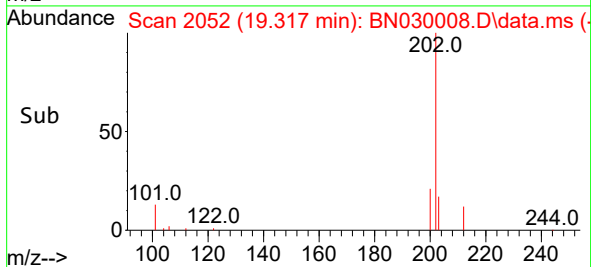
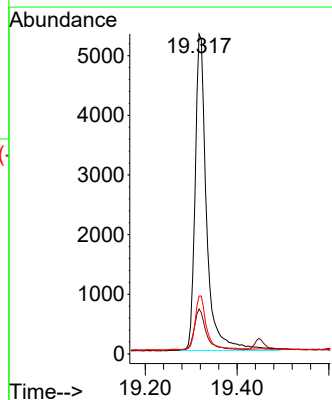
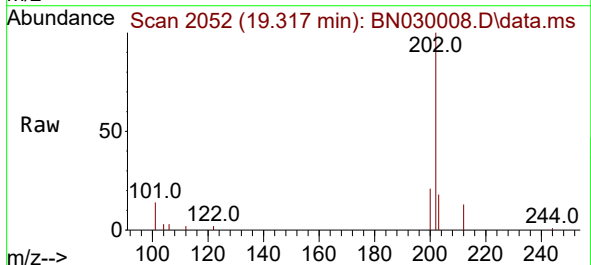
Instrument :
BNA_N
ClientSampleId :
RE103D2-20240216

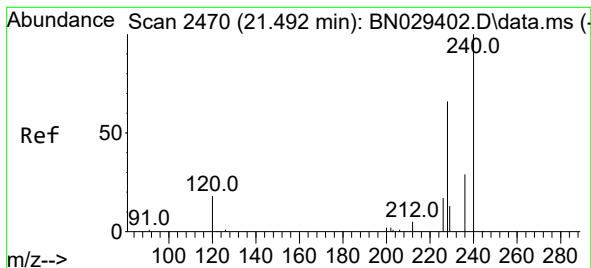
Tgt Ion:212 Resp: 10134
Ion Ratio Lower Upper
212 100
106 15.5 13.2 19.8
104 8.9 7.7 11.5



#28
Fluoranthene
Concen: 0.264 ng
RT: 19.317 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Tgt Ion:202 Resp: 9211
Ion Ratio Lower Upper
202 100
101 13.6 10.5 15.7
203 16.7 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.456 min Scan# 2466

Delta R.T. 0.000 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

Instrument :

BNA_N

ClientSampleId :

RE103D2-20240216

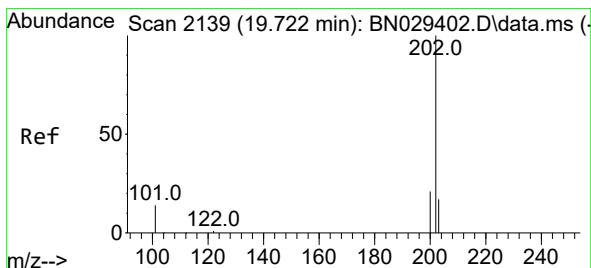
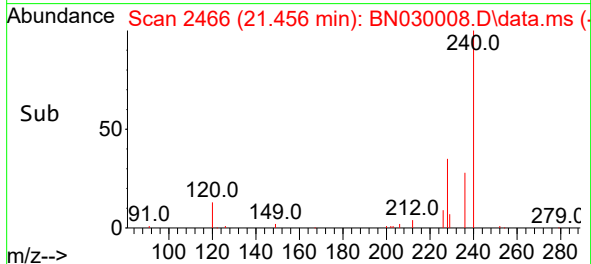
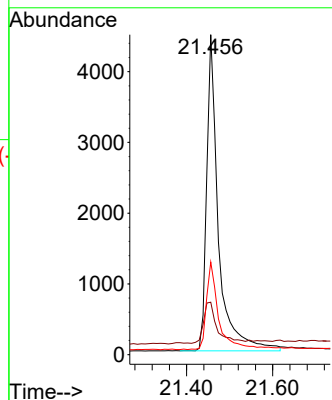
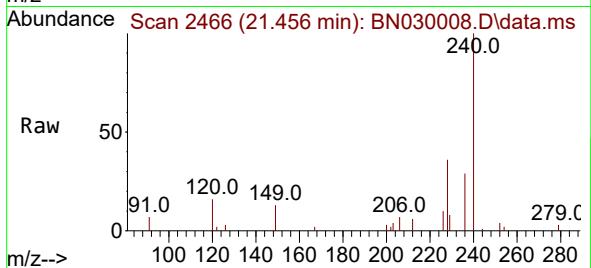
Tgt Ion:240 Resp: 8493

Ion Ratio Lower Upper

240 100

120 16.4 16.7 25.1#

236 28.9 23.9 35.9



#30

Pyrene

Concen: 0.227 ng

RT: 19.684 min Scan# 2131

Delta R.T. 0.000 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

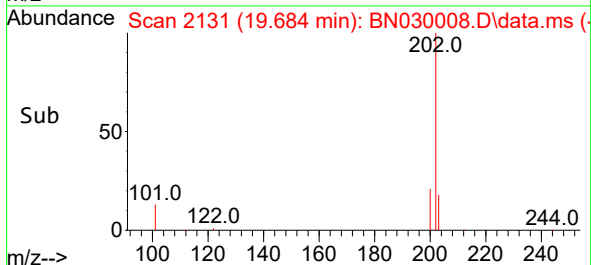
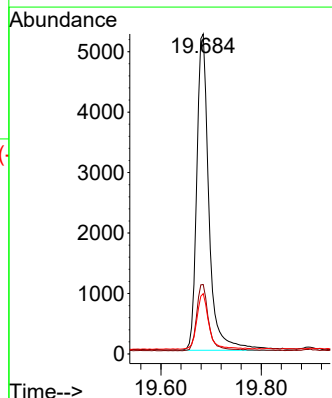
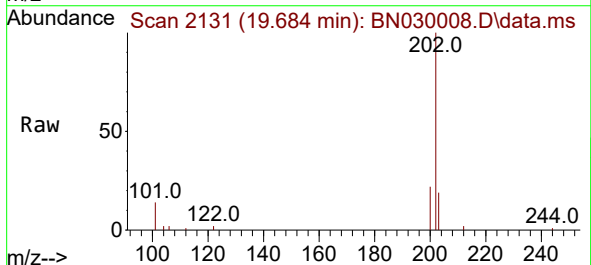
Tgt Ion:202 Resp: 8864

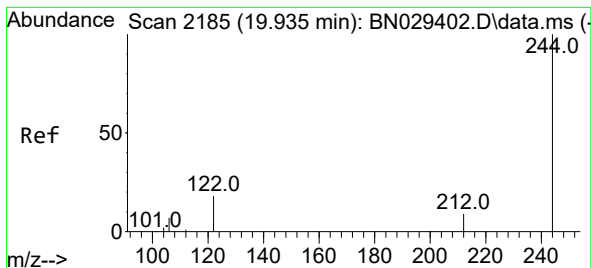
Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

203 17.1 14.2 21.4





#31

Terphenyl-d14

Concen: 0.775 ng

RT: 19.898 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

Instrument :

BNA_N

ClientSampleId :

RE103D2-20240216

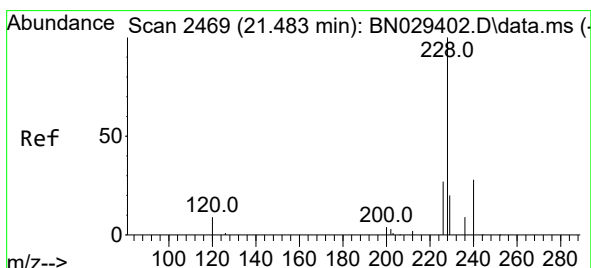
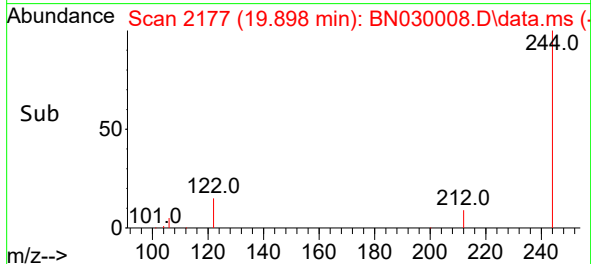
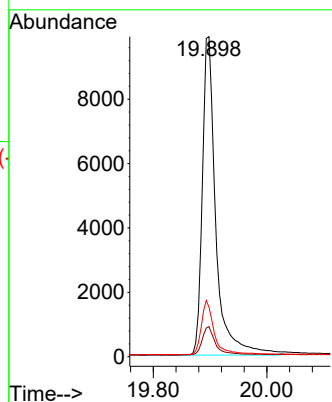
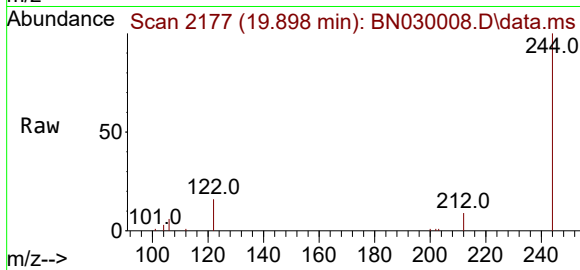
Tgt Ion:244 Resp: 16342

Ion Ratio Lower Upper

244 100

212 9.4 8.2 12.4

122 15.5 15.6 23.4#



#32

Benzo(a)anthracene

Concen: 0.193 ng

RT: 21.438 min Scan# 2464

Delta R.T. 0.000 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

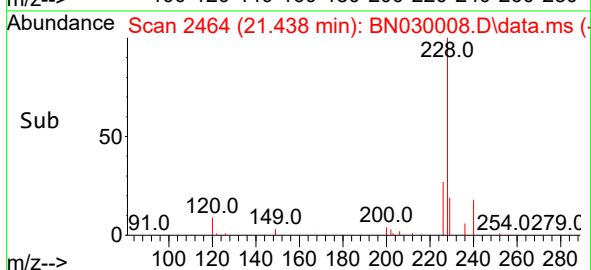
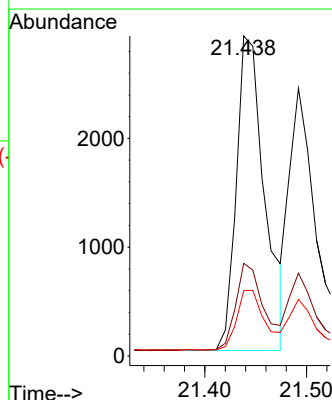
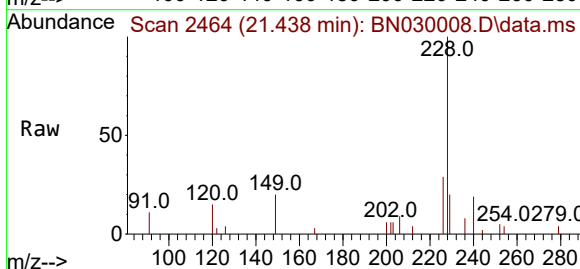
Tgt Ion:228 Resp: 5592

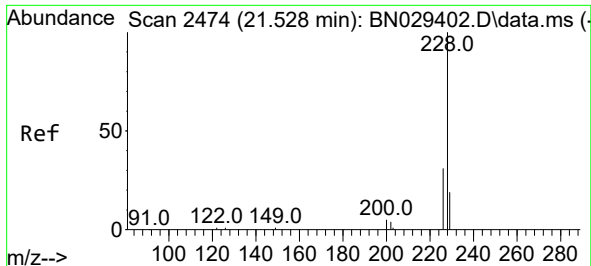
Ion Ratio Lower Upper

228 100

226 29.0 22.2 33.4

229 20.4 16.5 24.7





#33

Chrysene

Concen: 0.133 ng

RT: 21.492 min Scan# 24

Delta R.T. 0.000 min

Lab File: BN030008.D

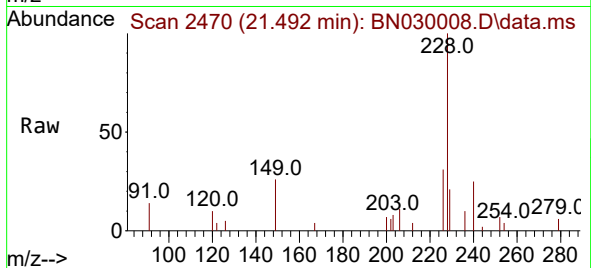
Acq: 25 Feb 2024 00:32

Instrument :

BNA_N

ClientSampleId :

RE103D2-20240216



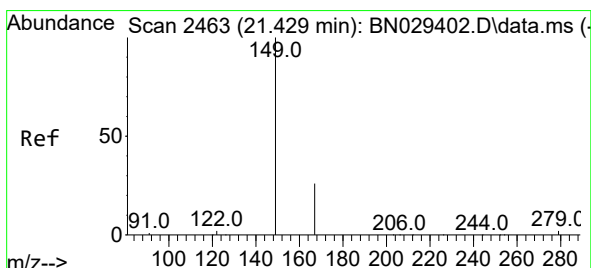
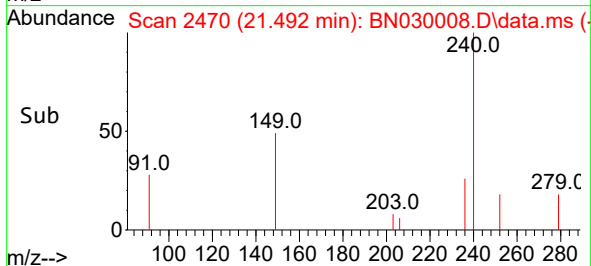
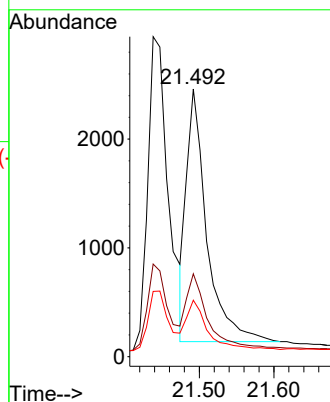
Tgt Ion:228 Resp: 4377

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

229 21.1 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.201 ng

RT: 21.384 min Scan# 2458

Delta R.T. 0.000 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

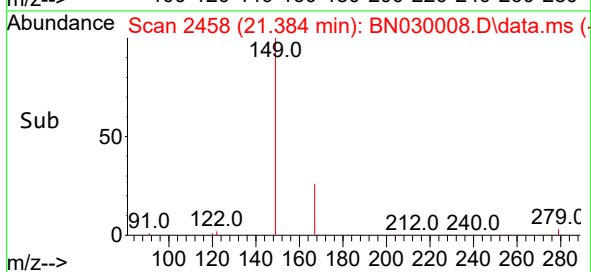
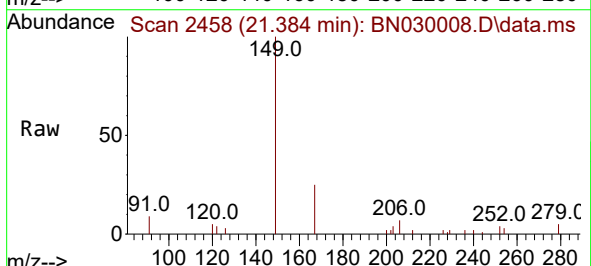
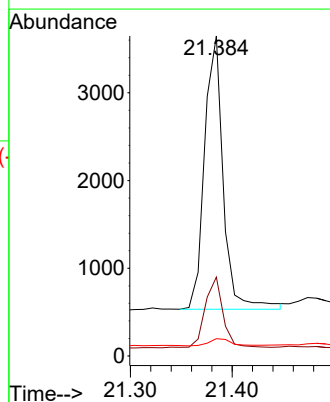
Tgt Ion:149 Resp: 3978

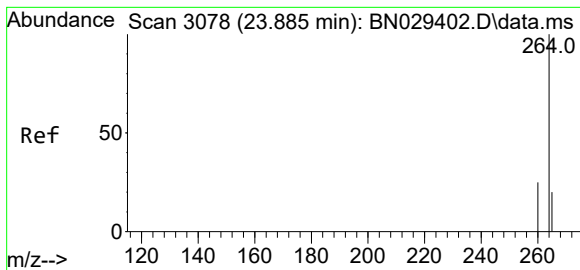
Ion Ratio Lower Upper

149 100

167 25.4 20.1 30.1

279 3.2 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.820 min Scan# 3078

Delta R.T. 0.000 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

Instrument :

BNA_N

ClientSampleId :

RE103D2-20240216

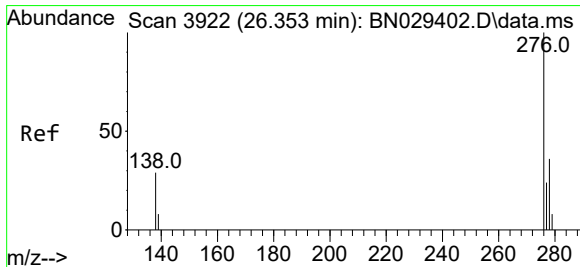
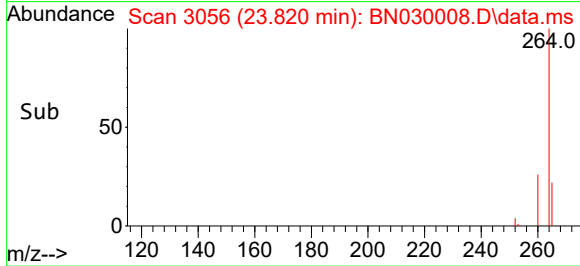
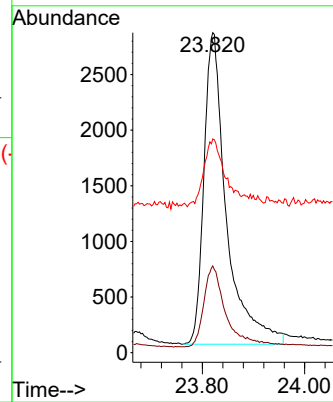
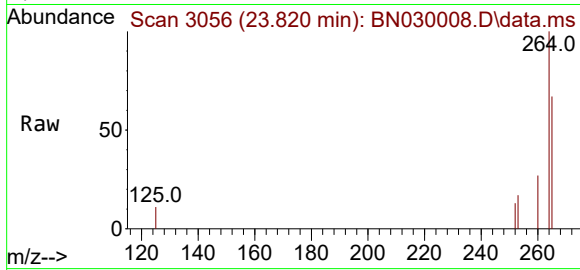
Tgt Ion:264 Resp: 8540

Ion Ratio Lower Upper

264 100

260 27.1 21.2 31.8

265 66.8 41.5 62.3#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.157 ng

RT: 26.276 min Scan# 3896

Delta R.T. 0.009 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

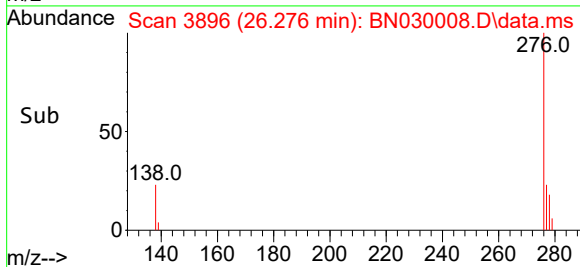
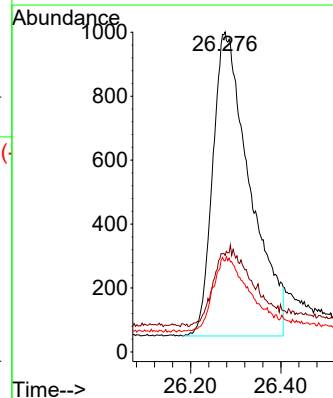
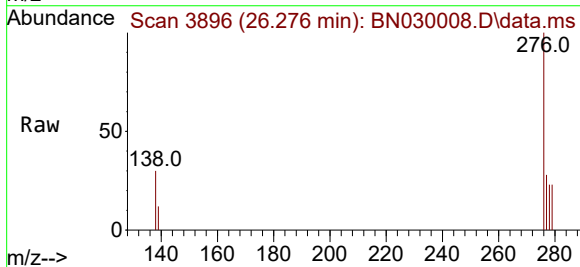
Tgt Ion:276 Resp: 5405

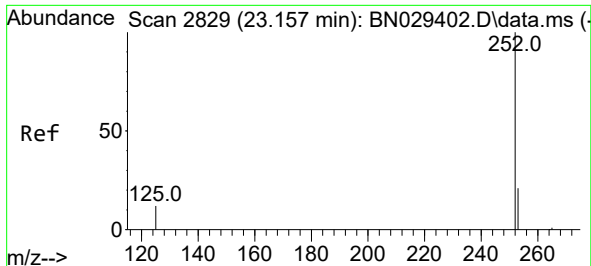
Ion Ratio Lower Upper

276 100

138 23.1 20.5 30.7

277 8.0 17.0 25.4#

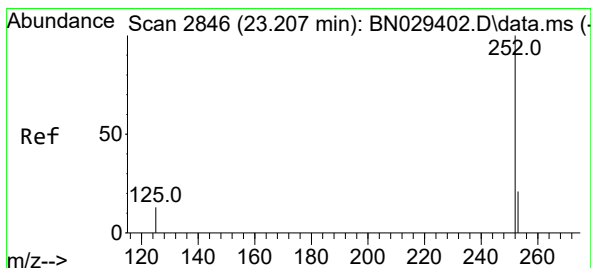
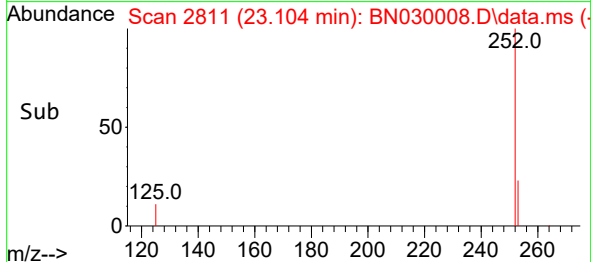
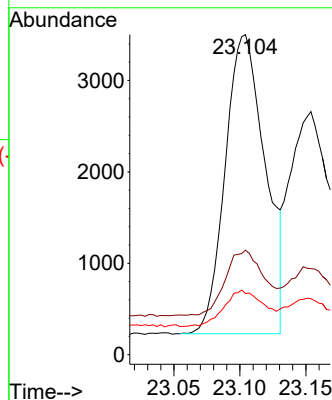
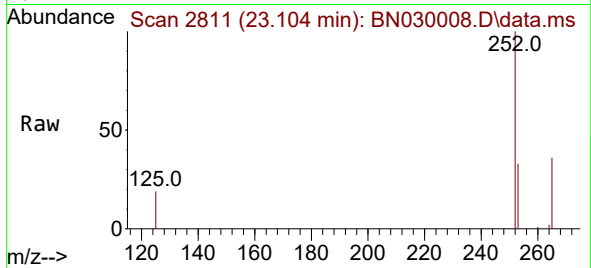




#37
Benzo(b)fluoranthene
Concen: 0.226 ng
RT: 23.104 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

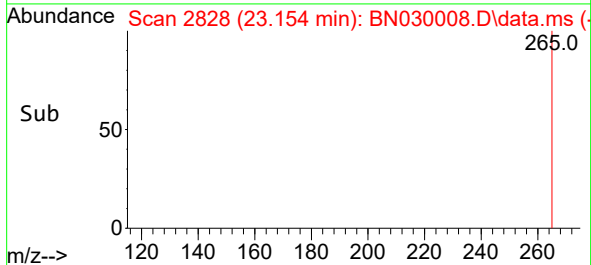
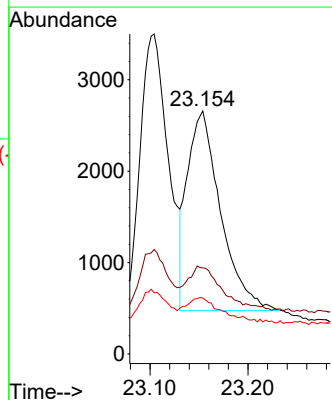
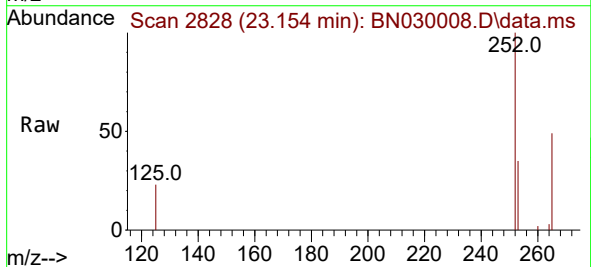
Instrument :
BNA_N
ClientSampleId :
RE103D2-20240216

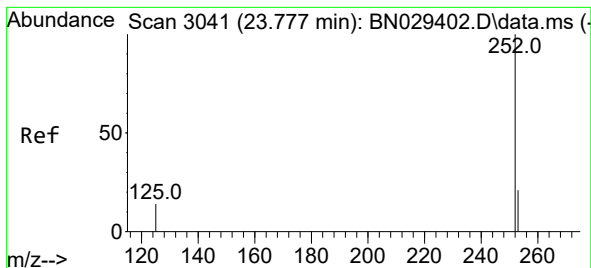
Tgt Ion:252 Resp: 6901
Ion Ratio Lower Upper
252 100
253 32.6 21.7 32.5#
125 19.1 13.3 19.9



#38
Benzo(k)fluoranthene
Concen: 0.161 ng
RT: 23.154 min Scan# 2828
Delta R.T. 0.006 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Tgt Ion:252 Resp: 5160
Ion Ratio Lower Upper
252 100
253 35.4 21.8 32.8#
125 23.0 13.9 20.9#





#39

Benzo(a)pyrene

Concen: 0.169 ng

RT: 23.718 min Scan# 3041

Delta R.T. 0.003 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

Instrument :

BNA_N

ClientSampleId :

RE103D2-20240216

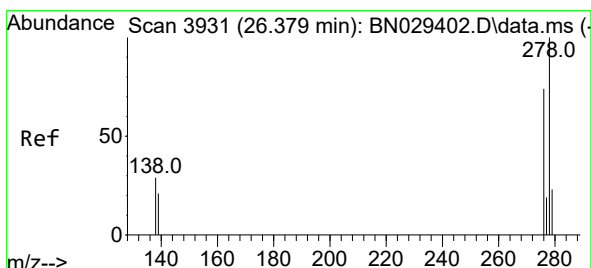
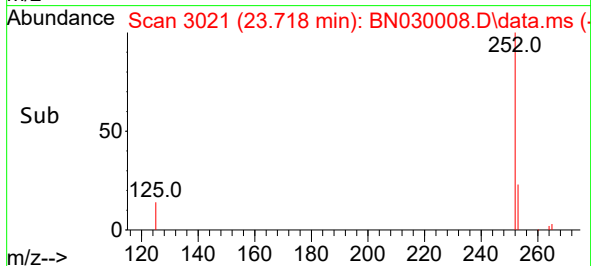
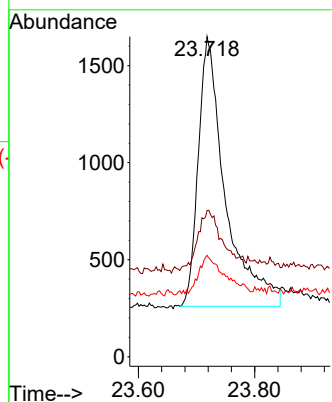
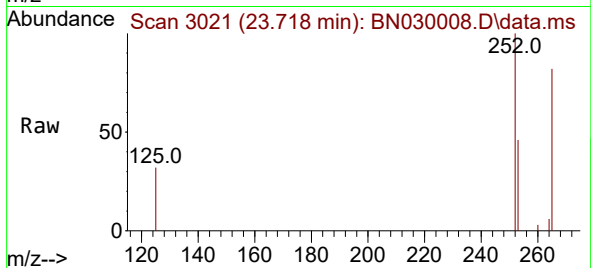
Tgt Ion:252 Resp: 4489

Ion Ratio Lower Upper

252 100

253 45.7 24.9 37.3#

125 31.7 16.6 25.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.105 ng

RT: 26.314 min Scan# 3909

Delta R.T. 0.012 min

Lab File: BN030008.D

Acq: 25 Feb 2024 00:32

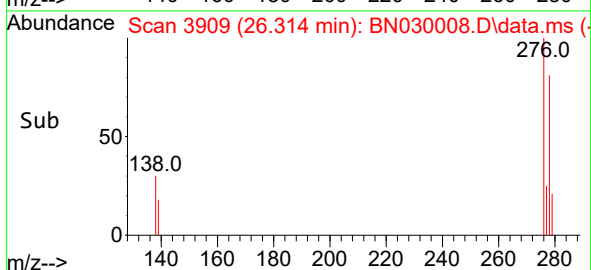
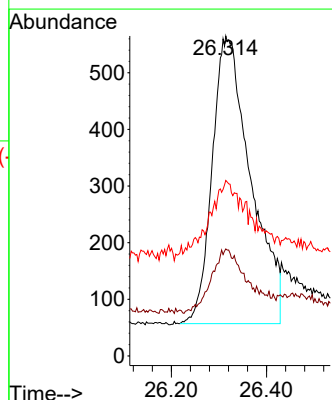
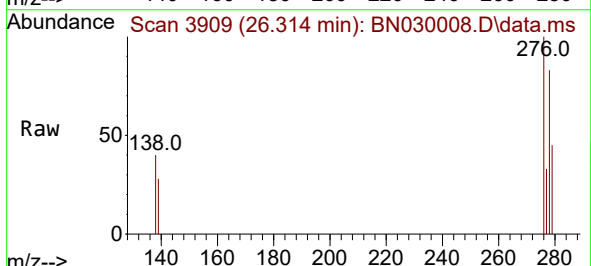
Tgt Ion:278 Resp: 2858

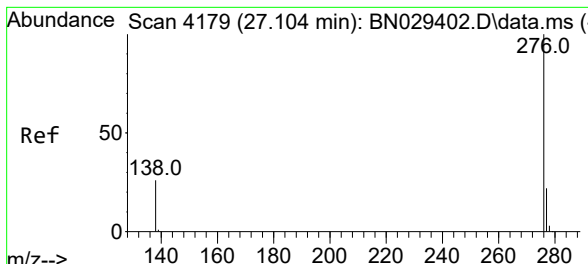
Ion Ratio Lower Upper

278 100

139 33.5 20.4 30.6#

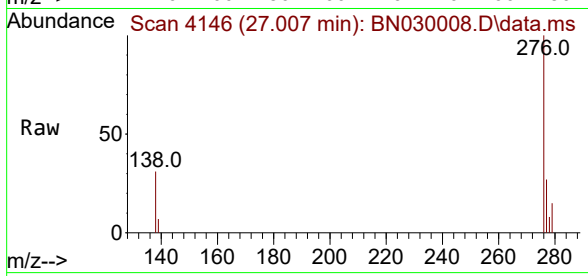
279 54.9 25.0 37.6#





#41
Benzo(g,h,i)perylene
Concen: 0.166 ng
RT: 27.007 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN030008.D
Acq: 25 Feb 2024 00:32

Instrument :
BNA_N
ClientSampleId :
RE103D2-20240216



Tgt Ion:	276	Resp:	5518
Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.4	29.2
138	31.2	23.5	35.3

