

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
 Data File : BN027346.D
 Acq On : 01 Sep 2023 14:53
 Operator : MA/JU
 Sample : 04126-18
 Misc :
 ALS Vial : 127 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE131D1-20230821

Quant Time: Sep 02 01:53:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 01 09:08:53 2023
 Response via : Initial Calibration

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

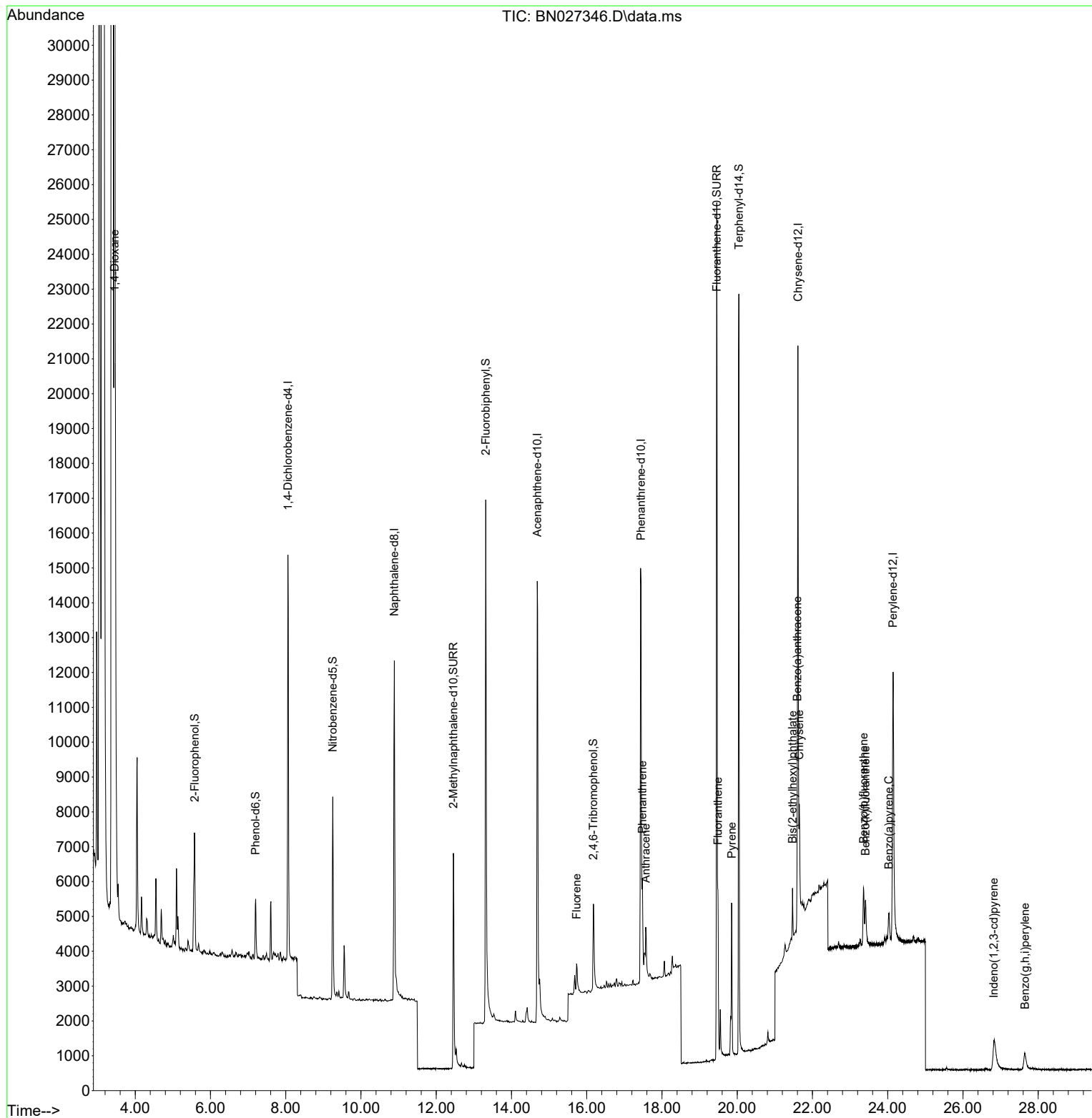
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.059	152	5208	0.400	ng	0.00
7) Naphthalene-d8	10.885	136	15019	0.400	ng	0.00
13) Acenaphthene-d10	14.683	164	9674	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	21902	0.400	ng	# 0.01
29) Chrysene-d12	21.614	240	17443	0.400	ng	0.00
35) Perylene-d12	24.142	264	14638	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.581	112	2697	0.199	ng	0.00
5) Phenol-d6	7.199	99	1878	0.114	ng	0.00
8) Nitrobenzene-d5	9.251	82	5088	0.465	ng	0.00
11) 2-Methylnaphthalene-d10	12.457	152	10360	0.470	ng	0.00
14) 2,4,6-Tribromophenol	16.177	330	1815	0.507	ng	0.00
15) 2-Fluorobiphenyl	13.315	172	16073	0.437	ng	0.00
27) Fluoranthene-d10	19.458	212	29152	0.535	ng	0.00
31) Terphenyl-d14	20.043	244	21518	0.614	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.451	88	60621	9.535	ng	97
18) Fluorene	15.730	166	897	0.023	ng	97
25) Phenanthrene	17.480	178	2804	0.044	ng	97
26) Anthracene	17.567	178	1915	0.035	ng	98
28) Fluoranthene	19.486	202	4046	0.053	ng	98
30) Pyrene	19.853	202	3953	0.057	ng	99
32) Benzo(a)anthracene	21.596	228	2808	0.047	ng	93
33) Chrysene	21.650	228	2665	0.041	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.470	149	1361	0.047	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.817	276	1915	0.032	ng	# 70
37) Benzo(b)fluoranthene	23.358	252	2552	0.045	ng	# 40
38) Benzo(k)fluoranthene	23.411	252	2124	0.036	ng	# 31
39) Benzo(a)pyrene	24.031	252	1864	0.035	ng	# 5
41) Benzo(g,h,i)perylene	27.650	276	1439	0.027	ng	# 62

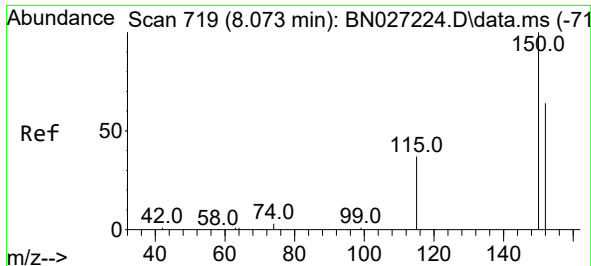
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
Data File : BN027346.D
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Misc :
ALS Vial : 127 Sample Multiplier: 1

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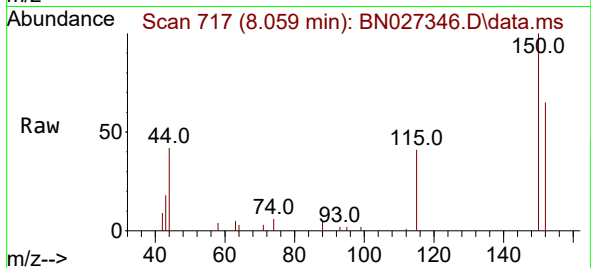
Quant Time: Sep 02 01:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 01 09:08:53 2023
Response via : Initial Calibration



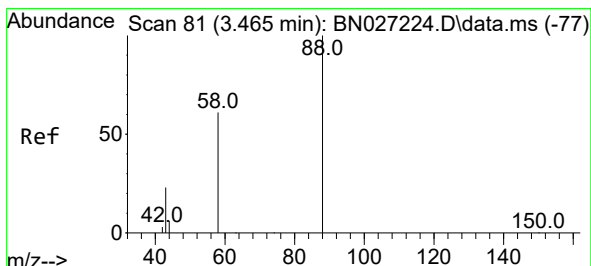
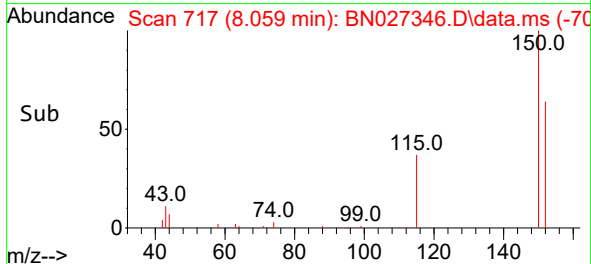
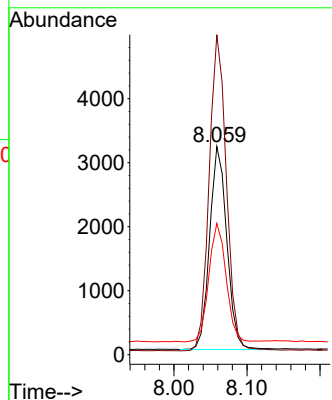


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.059 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BN027346.D
 Acq: 01 Sep 2023 14:53

Instrument :
 BNA_N
 ClientSampleId :
 RE131D1-20230821

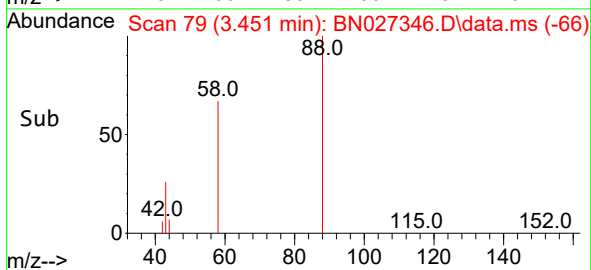
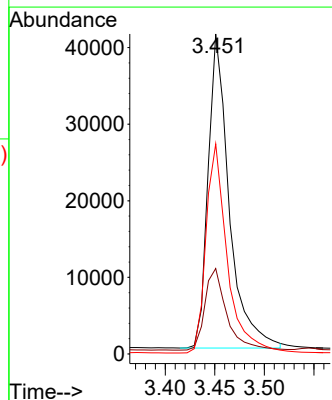
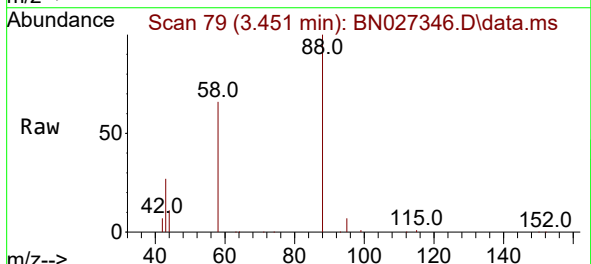


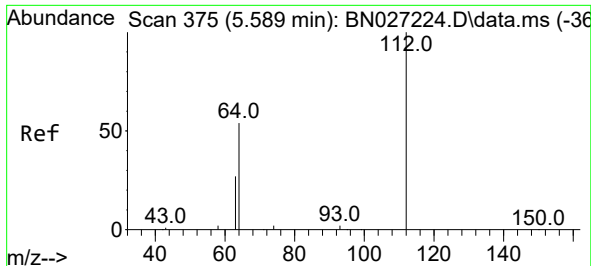
Tgt Ion:152 Resp: 5208
 Ion Ratio Lower Upper
 152 100
 150 153.7 122.7 184.1
 115 63.0 48.6 73.0



#2
 1,4-Dioxane
 Concen: 9.535 ng
 RT: 3.451 min Scan# 79
 Delta R.T. -0.007 min
 Lab File: BN027346.D
 Acq: 01 Sep 2023 14:53

Tgt Ion: 88 Resp: 60621
 Ion Ratio Lower Upper
 88 100
 43 26.8 19.1 28.7
 58 67.2 52.2 78.2

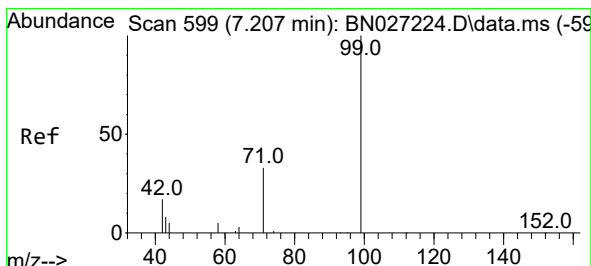
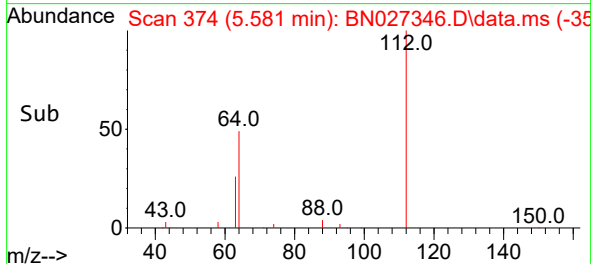
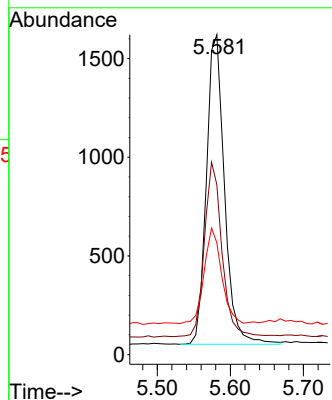
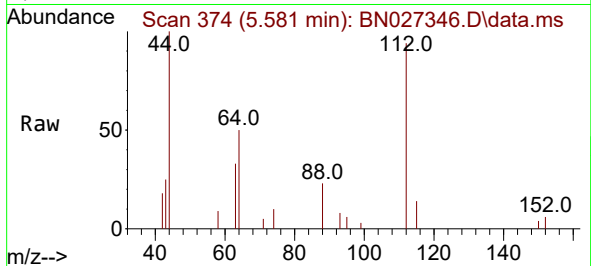




#4
2-Fluorophenol
Concen: 0.199 ng
RT: 5.581 min Scan# 31
Delta R.T. 0.007 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

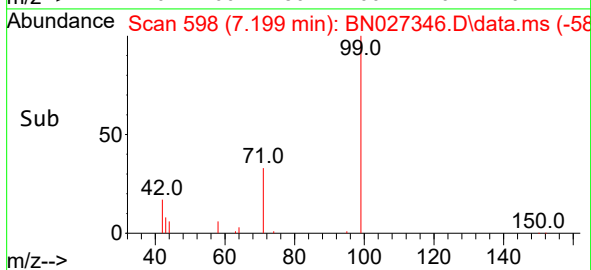
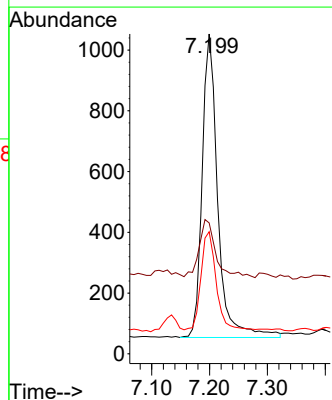
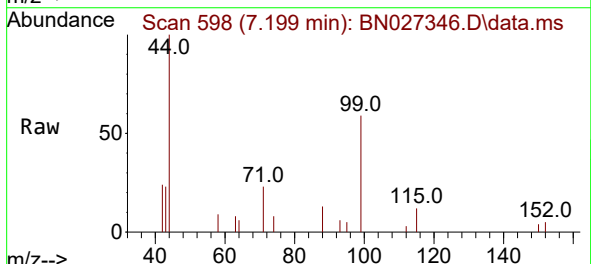
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821

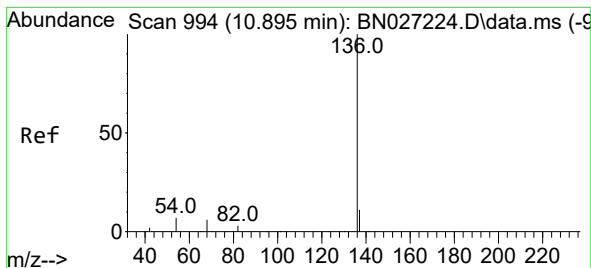
Tgt Ion:112 Resp: 2697
Ion Ratio Lower Upper
112 100
64 54.6 44.4 66.6
63 29.7 23.1 34.7



#5
Phenol-d6
Concen: 0.114 ng
RT: 7.199 min Scan# 598
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Tgt Ion: 99 Resp: 1878
Ion Ratio Lower Upper
99 100
42 20.4 14.5 21.7
71 31.2 25.8 38.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.885 min Scan# 994

Delta R.T. 0.000 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE131D1-20230821

Tgt Ion:136 Resp: 15019

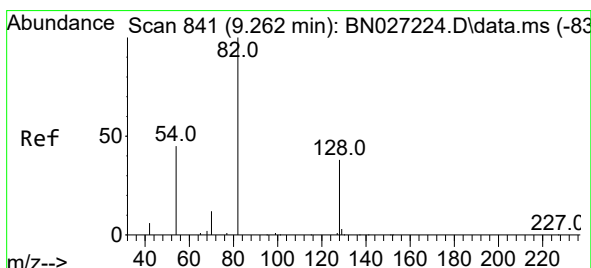
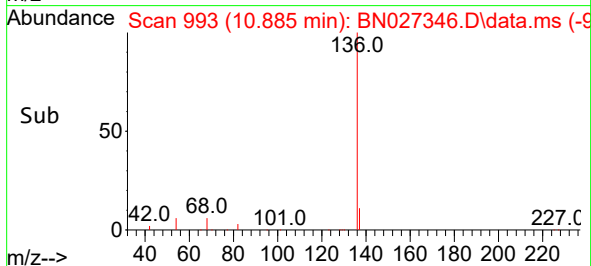
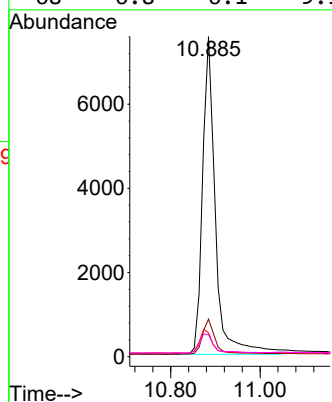
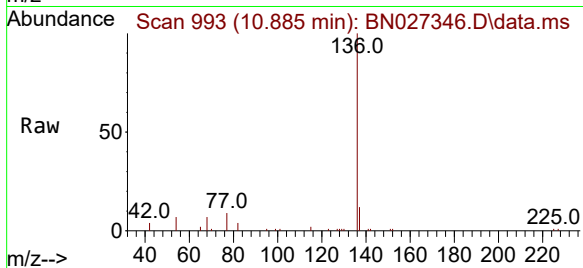
Ion Ratio Lower Upper

136 100

137 11.7 9.3 13.9

54 7.4 6.7 10.1

68 6.8 6.1 9.1



#8

Nitrobenzene-d5

Concen: 0.465 ng

RT: 9.251 min Scan# 840

Delta R.T. 0.000 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

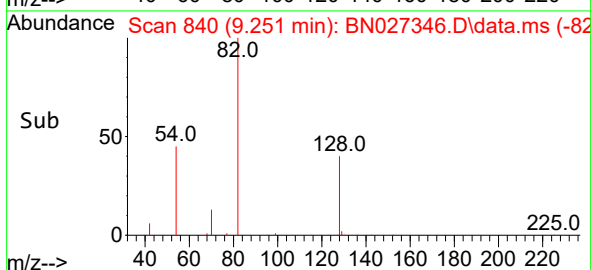
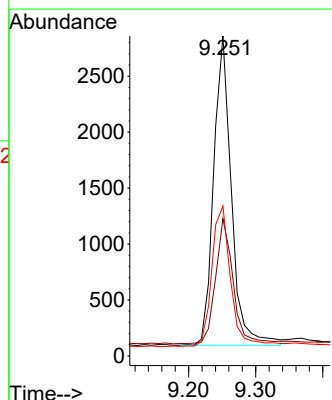
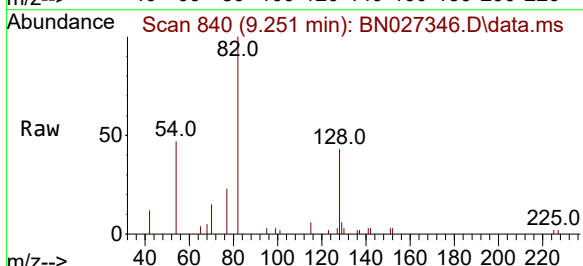
Tgt Ion: 82 Resp: 5088

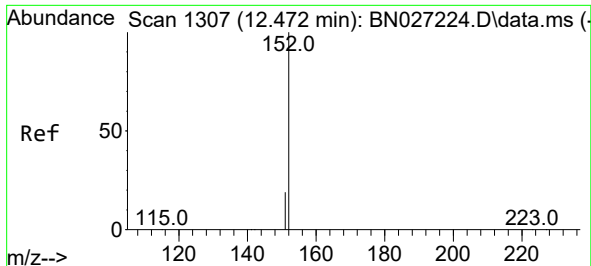
Ion Ratio Lower Upper

82 100

128 42.9 33.4 50.0

54 46.9 37.7 56.5

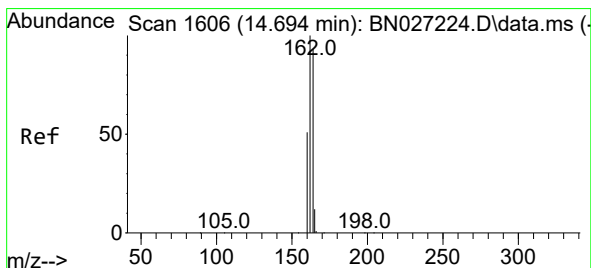
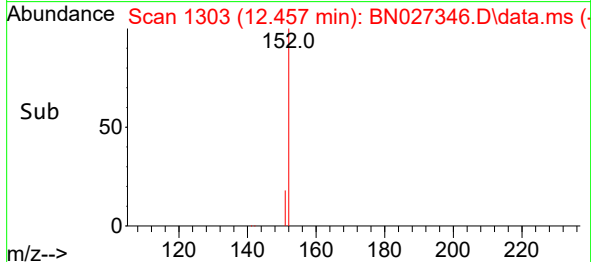
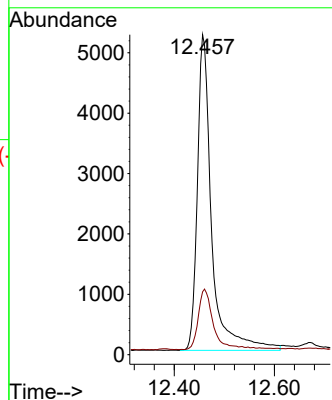
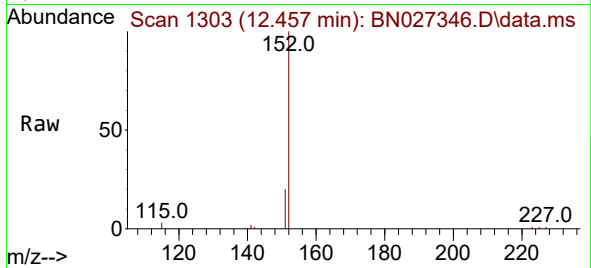




#11
2-Methylnaphthalene-d10
Concen: 0.470 ng
RT: 12.457 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

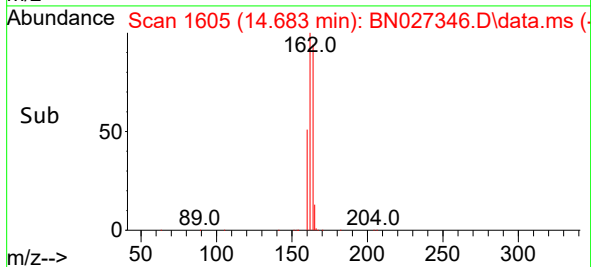
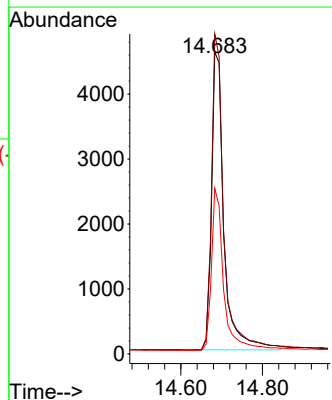
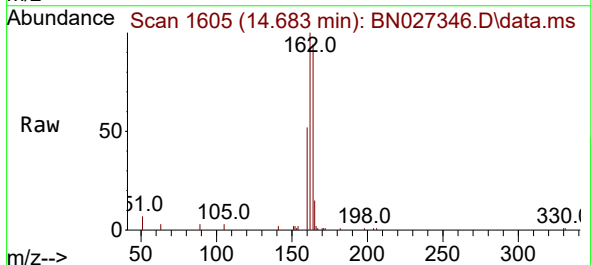
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821

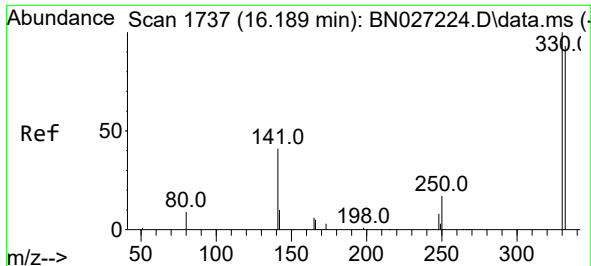
Tgt Ion:152 Resp: 10360
Ion Ratio Lower Upper
152 100
151 20.4 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.683 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

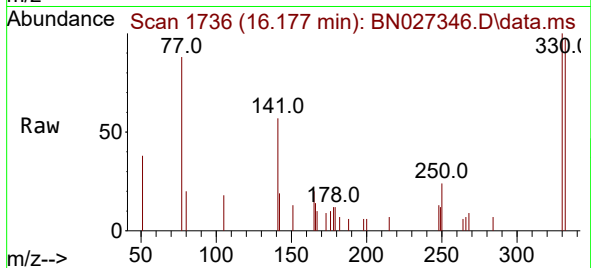
Tgt Ion:164 Resp: 9674
Ion Ratio Lower Upper
164 100
162 105.9 85.8 128.8
160 54.7 44.2 66.2



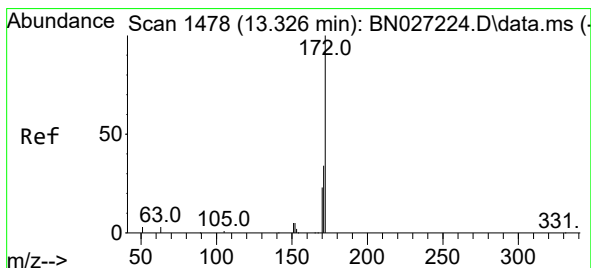
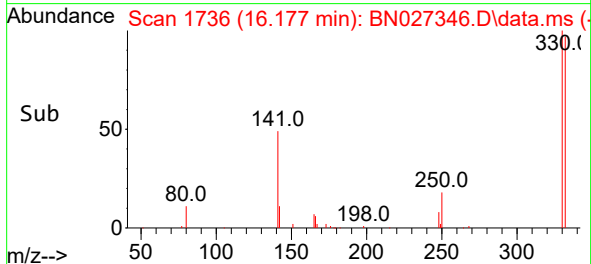
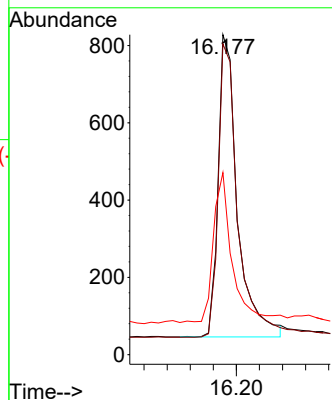


#14
2,4,6-Tribromophenol
Concen: 0.507 ng
RT: 16.177 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821

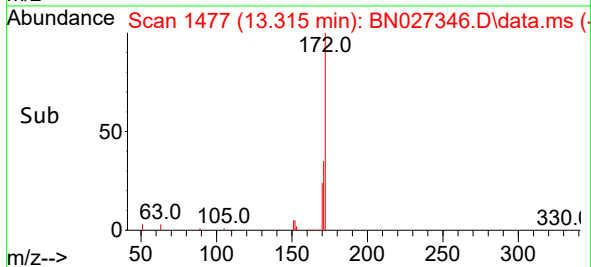
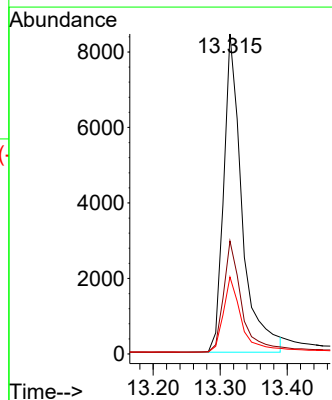
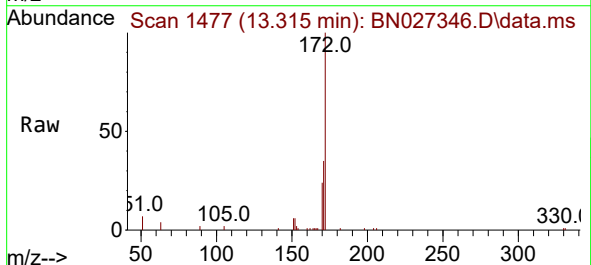


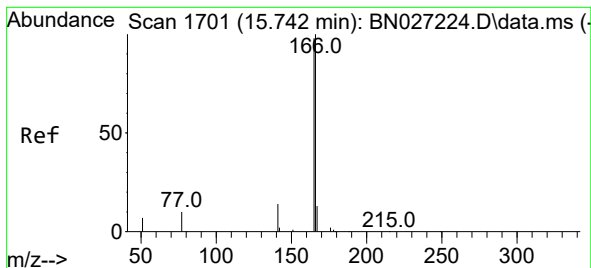
Tgt Ion:330 Resp: 1815
Ion Ratio Lower Upper
330 100
332 97.9 75.2 112.8
141 47.9 36.2 54.4



#15
2-Fluorobiphenyl
Concen: 0.437 ng
RT: 13.315 min Scan# 1477
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Tgt Ion:172 Resp: 16073
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 24.1 19.3 28.9





#18

Fluorene

Concen: 0.023 ng

RT: 15.730 min Scan# 1700

Delta R.T. 0.000 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE131D1-20230821

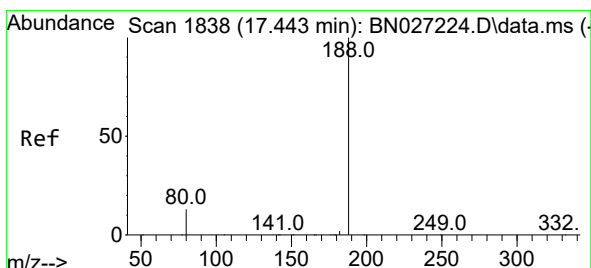
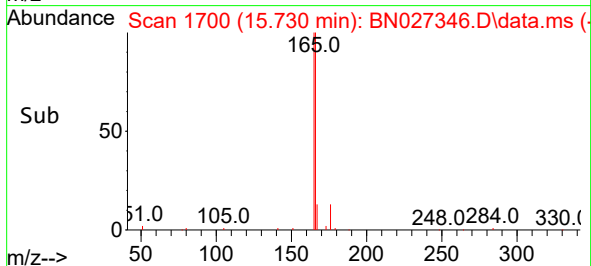
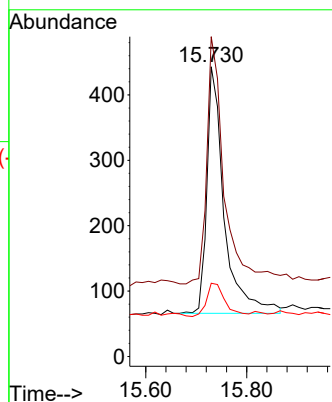
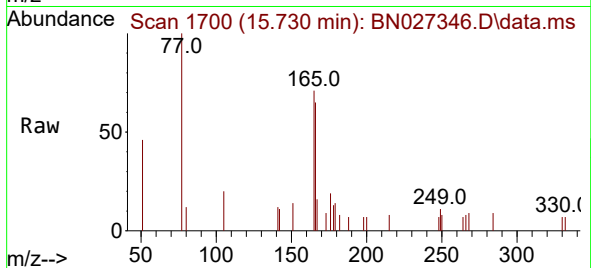
Tgt Ion:166 Resp: 897

Ion Ratio Lower Upper

166 100

165 101.3 79.0 118.4

167 14.7 10.8 16.2



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.443 min Scan# 1838

Delta R.T. 0.012 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

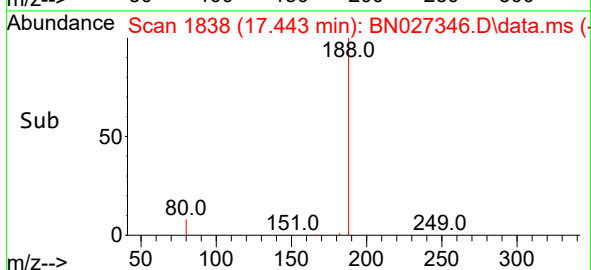
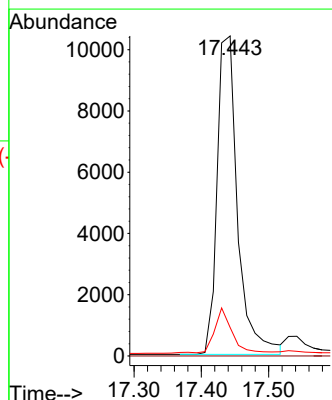
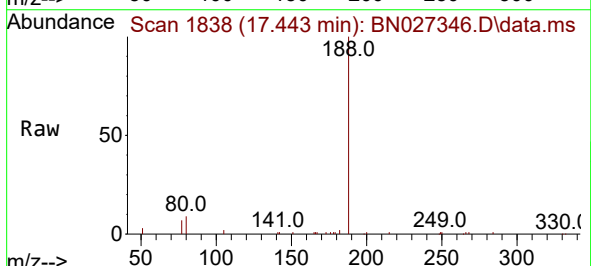
Tgt Ion:188 Resp: 21902

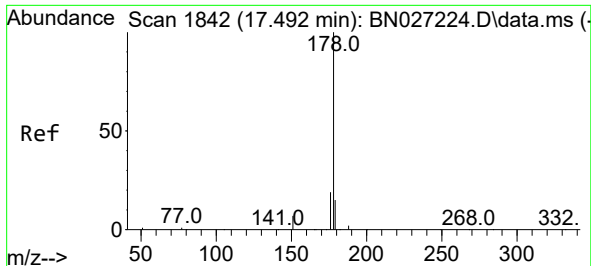
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.9 11.0 16.6#

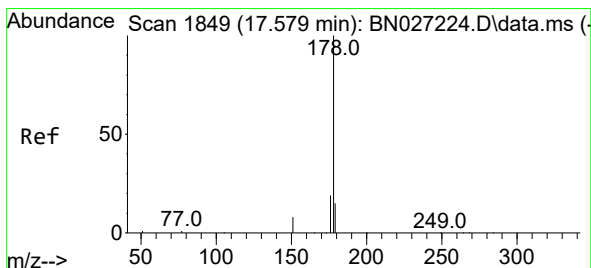
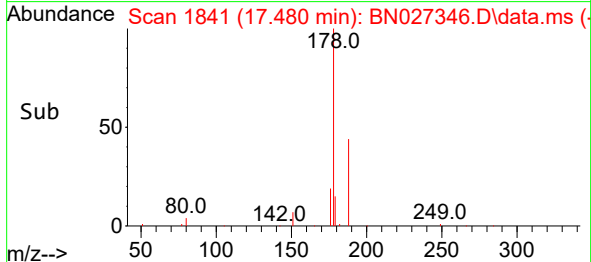
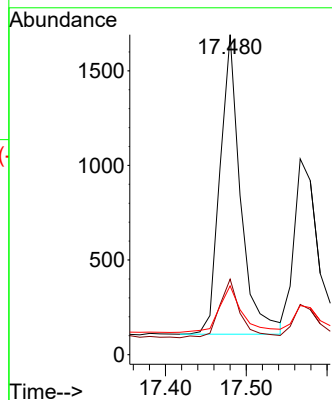
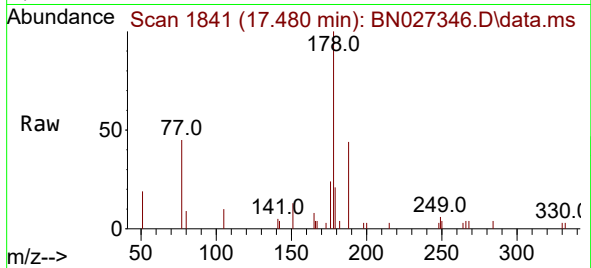




#25
Phenanthrene
Concen: 0.044 ng
RT: 17.480 min Scan# 1841
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

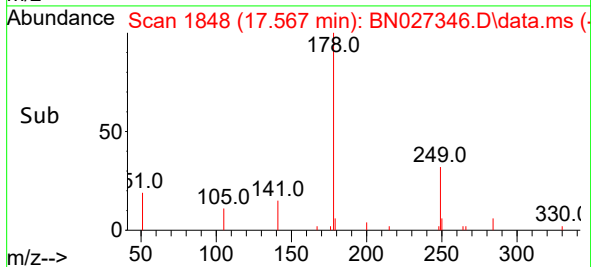
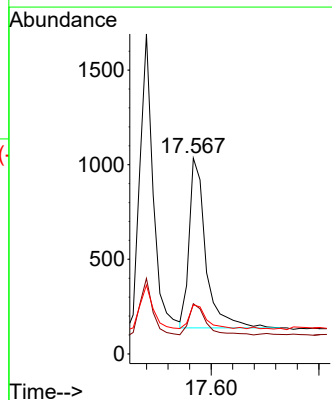
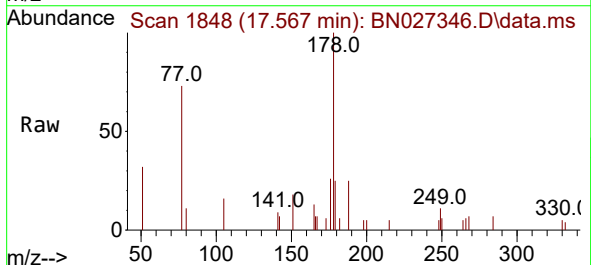
Instrument :
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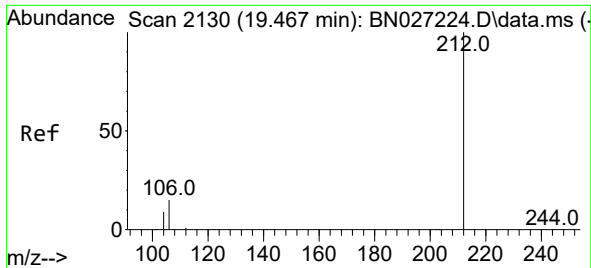
Tgt Ion:178 Resp: 2804
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 17.4 12.3 18.5



#26
Anthracene
Concen: 0.035 ng
RT: 17.567 min Scan# 1848
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Tgt Ion:178 Resp: 1915
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 13.7 12.0 18.0

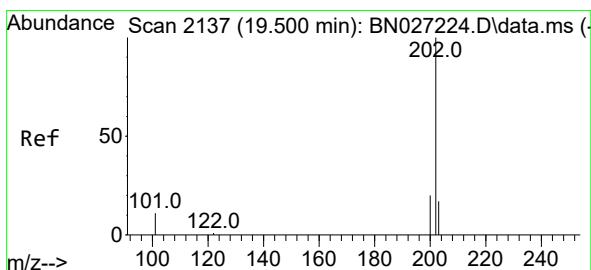
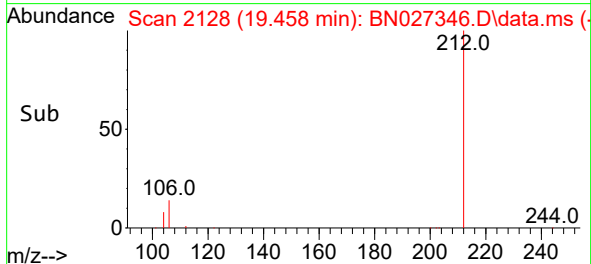
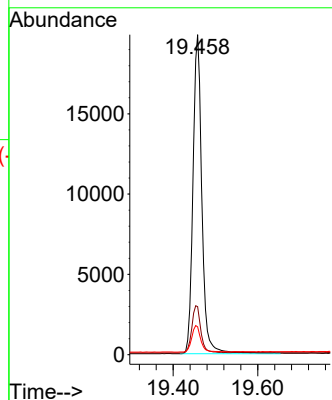
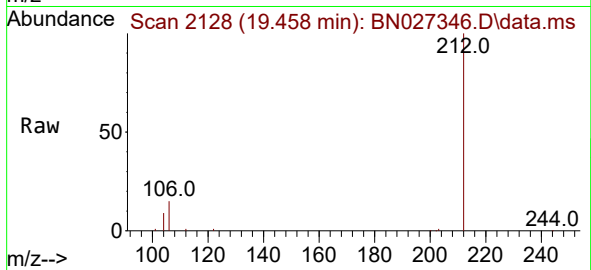




#27
Fluoranthene-d10
Concen: 0.535 ng
RT: 19.458 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

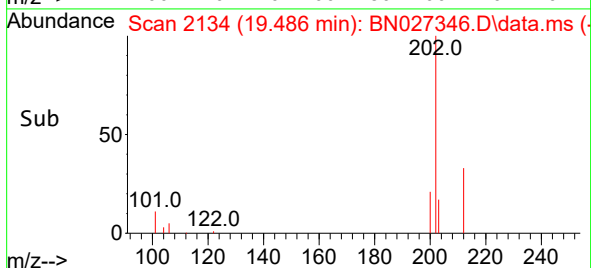
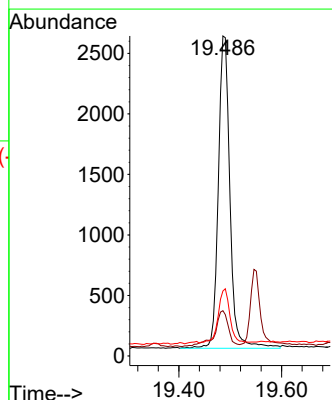
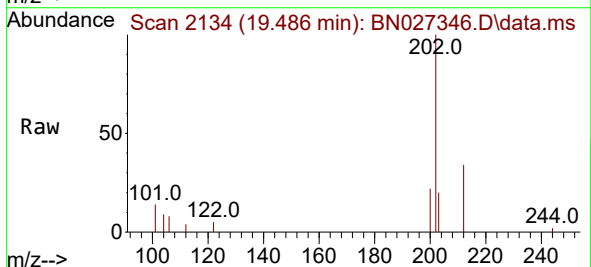
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821

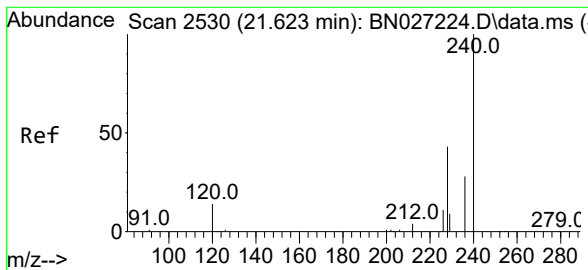
Tgt Ion:212 Resp: 29152
Ion Ratio Lower Upper
212 100
106 15.0 12.1 18.1
104 8.4 6.9 10.3



#28
Fluoranthene
Concen: 0.053 ng
RT: 19.486 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Tgt Ion:202 Resp: 4046
Ion Ratio Lower Upper
202 100
101 13.4 9.6 14.4
203 17.6 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.614 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE131D1-20230821

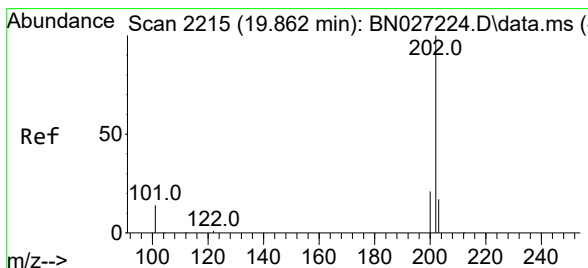
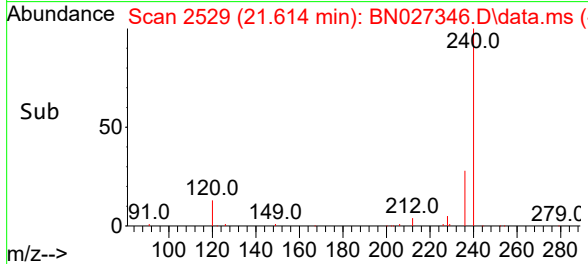
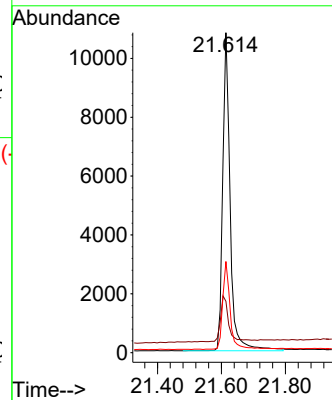
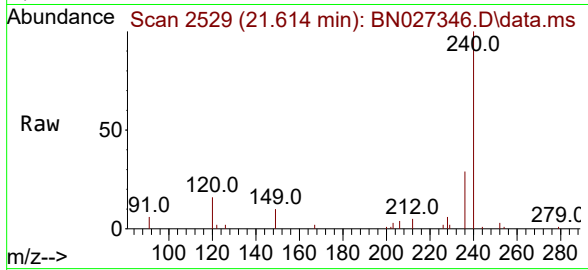
Tgt Ion:240 Resp: 17443

Ion Ratio Lower Upper

240 100

120 16.1 14.2 21.4

236 28.5 22.9 34.3



#30

Pyrene

Concen: 0.057 ng

RT: 19.853 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

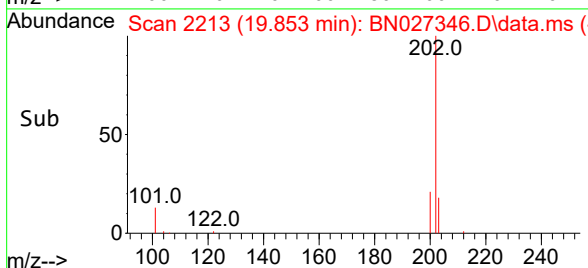
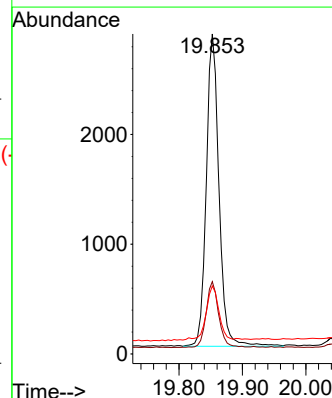
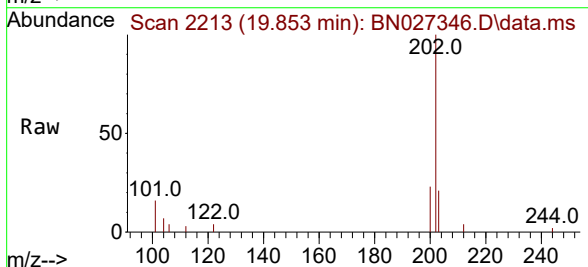
Tgt Ion:202 Resp: 3953

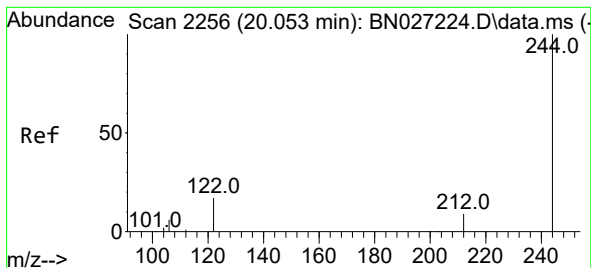
Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

203 19.0 14.2 21.4





#31

Terphenyl-d14

Concen: 0.614 ng

RT: 20.043 min Scan# 21518

Delta R.T. 0.000 min

Lab File: BN027346.D

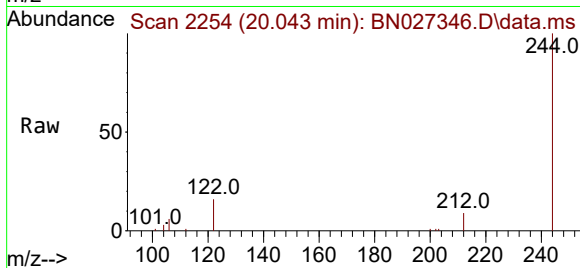
Acq: 01 Sep 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE131D1-20230821



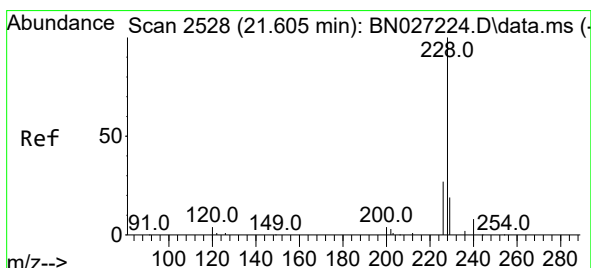
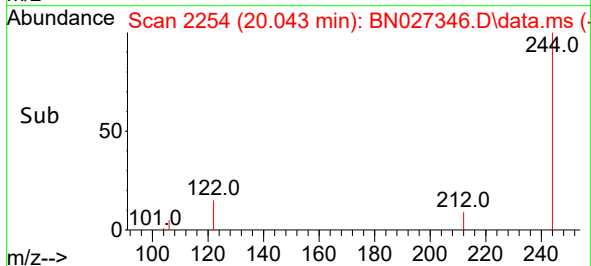
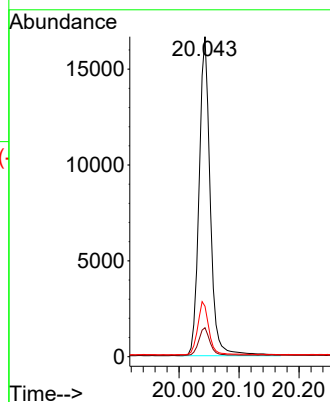
Tgt Ion:244 Resp: 21518

Ion Ratio Lower Upper

244 100

212 9.0 7.5 11.3

122 15.8 14.0 21.0



#32

Benzo(a)anthracene

Concen: 0.047 ng

RT: 21.596 min Scan# 2527

Delta R.T. 0.000 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

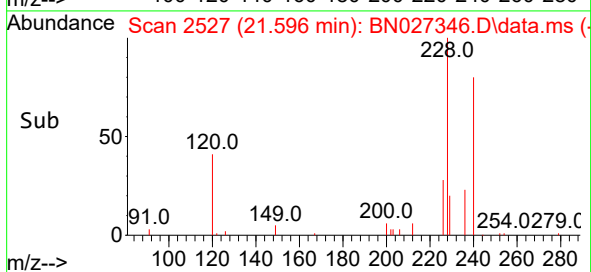
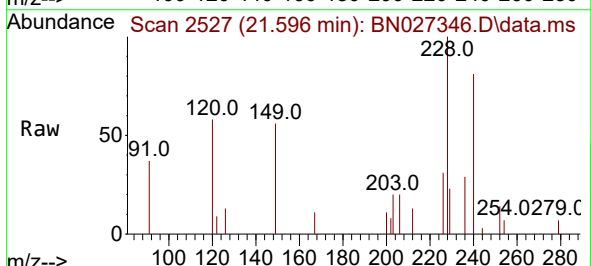
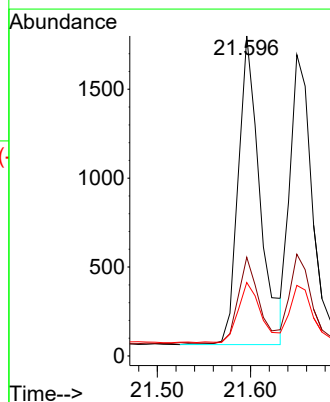
Tgt Ion:228 Resp: 2808

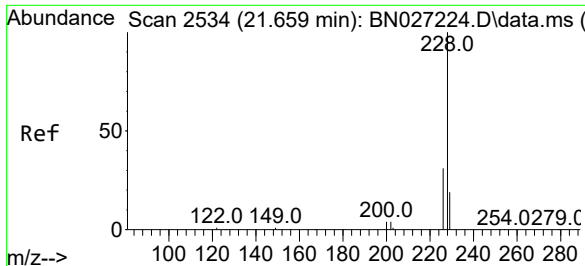
Ion Ratio Lower Upper

228 100

226 30.8 21.9 32.9

229 22.9 15.7 23.5





#33

Chrysene

Concen: 0.041 ng

RT: 21.650 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027346.D

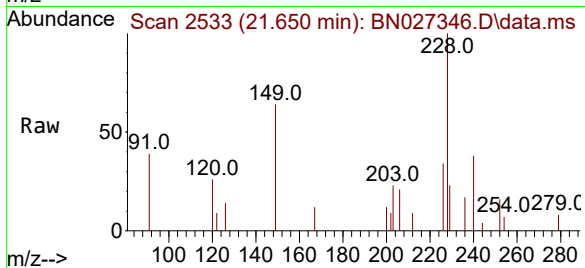
Acq: 01 Sep 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE131D1-20230821



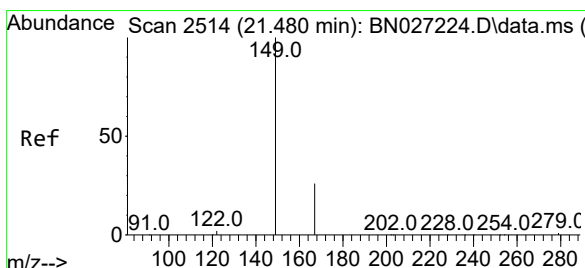
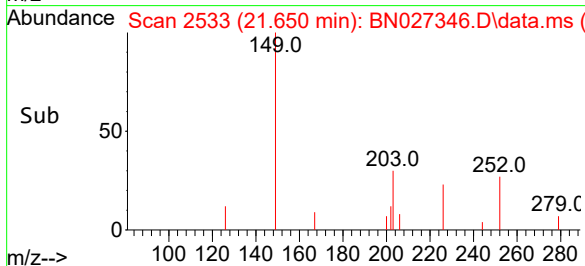
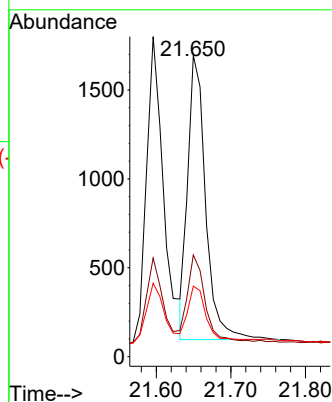
Tgt Ion:228 Resp: 2665

Ion Ratio Lower Upper

228 100

226 33.7 24.3 36.5

229 23.4 15.4 23.2#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.047 ng

RT: 21.470 min Scan# 2513

Delta R.T. 0.000 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

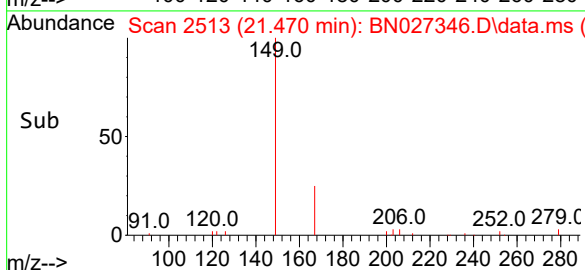
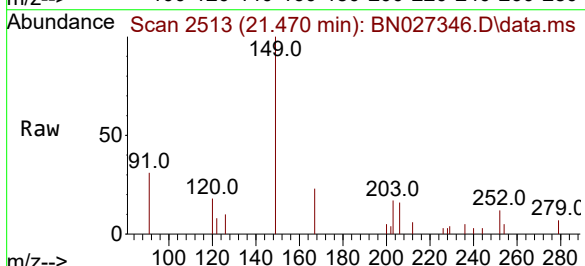
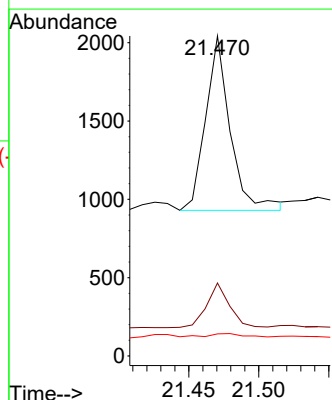
Tgt Ion:149 Resp: 1361

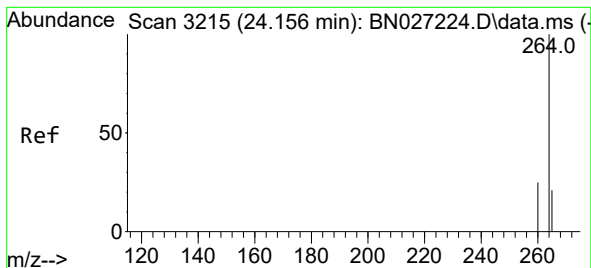
Ion Ratio Lower Upper

149 100

167 29.0 22.1 33.1

279 2.4 2.7 4.1#





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.142 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE131D1-20230821

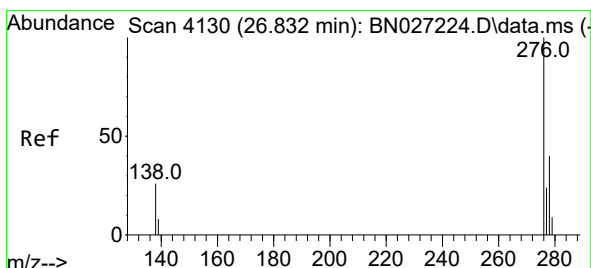
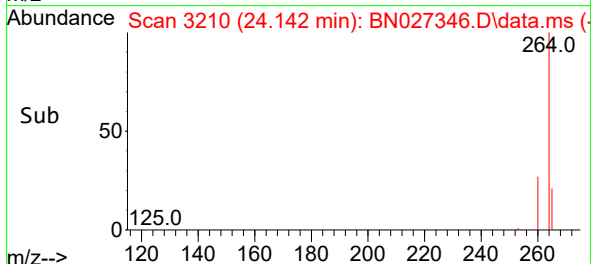
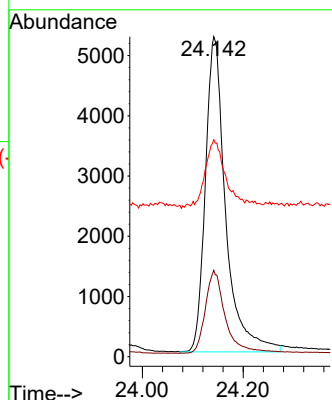
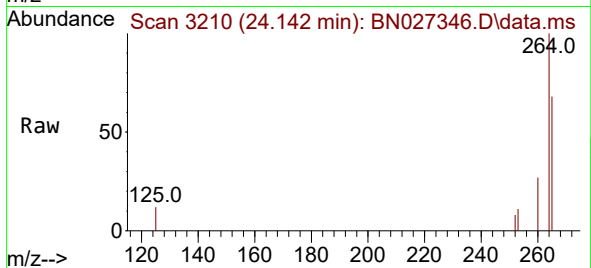
Tgt Ion:264 Resp: 14638

Ion Ratio Lower Upper

264 100

260 27.0 20.7 31.1

265 67.8 53.3 79.9



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.032 ng

RT: 26.817 min Scan# 4125

Delta R.T. 0.015 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

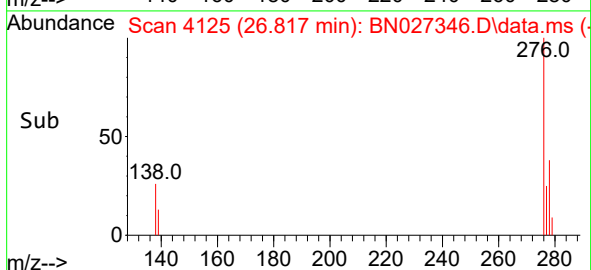
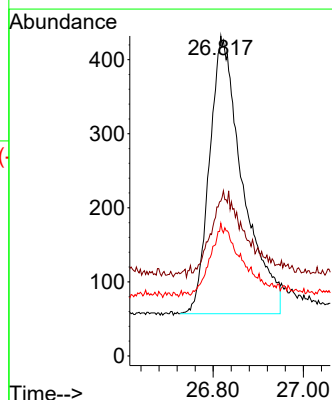
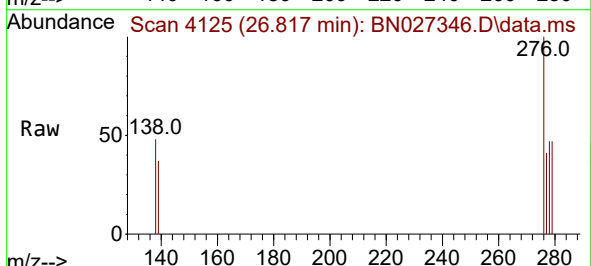
Tgt Ion:276 Resp: 1915

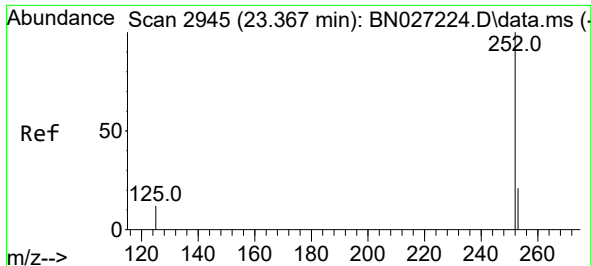
Ion Ratio Lower Upper

276 100

138 13.4 23.4 35.2#

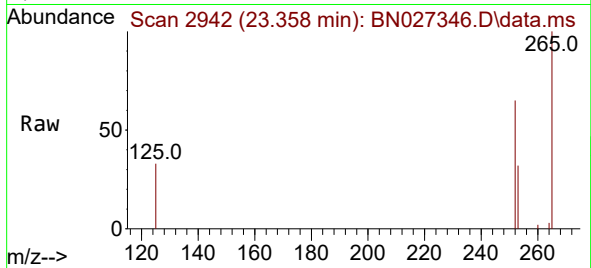
277 10.0 19.8 29.8#



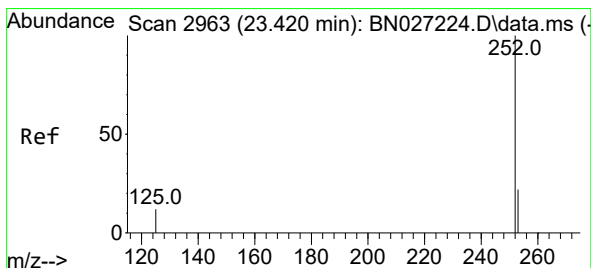
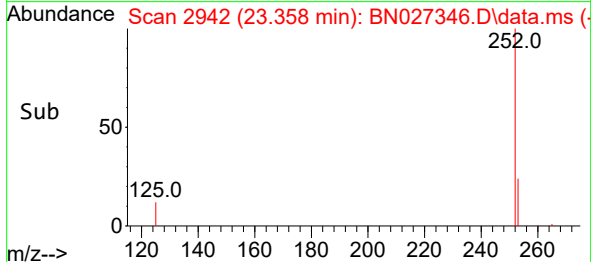
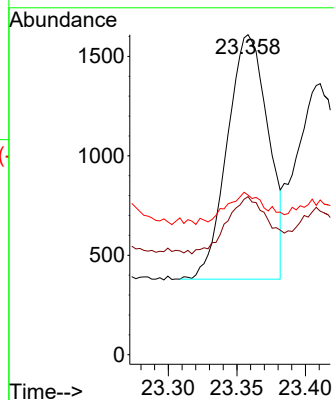


#37
Benzo(b)fluoranthene
Concen: 0.045 ng
RT: 23.358 min Scan# 2942
Delta R.T. 0.009 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821

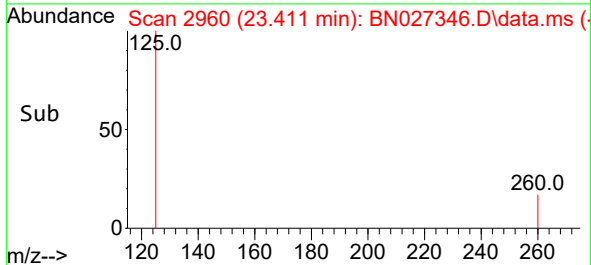
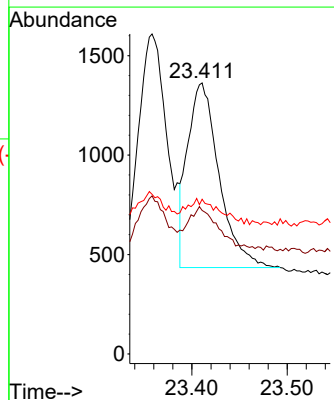
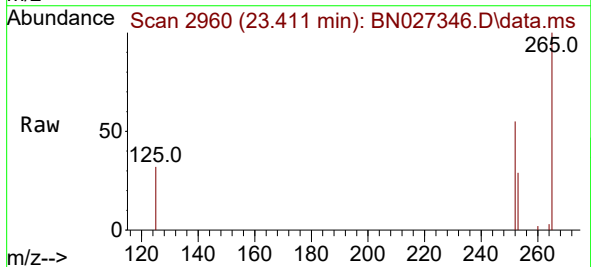


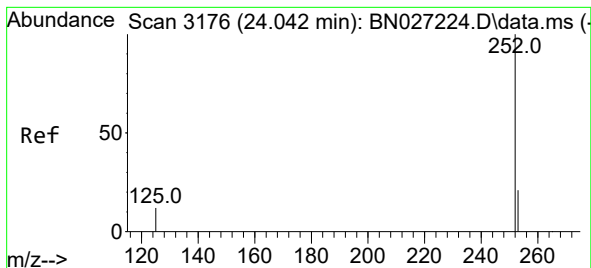
Tgt Ion:252 Resp: 2552
Ion Ratio Lower Upper
252 100
253 49.4 19.9 29.9#
125 49.9 13.8 20.6#



#38
Benzo(k)fluoranthene
Concen: 0.036 ng
RT: 23.411 min Scan# 2960
Delta R.T. 0.012 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Tgt Ion:252 Resp: 2124
Ion Ratio Lower Upper
252 100
253 53.0 20.2 30.2#
125 57.1 14.1 21.1#





#39

Benzo(a)pyrene

Concen: 0.035 ng

RT: 24.031 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN027346.D

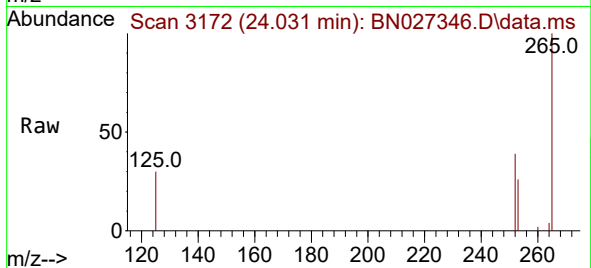
Acq: 01 Sep 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE131D1-20230821



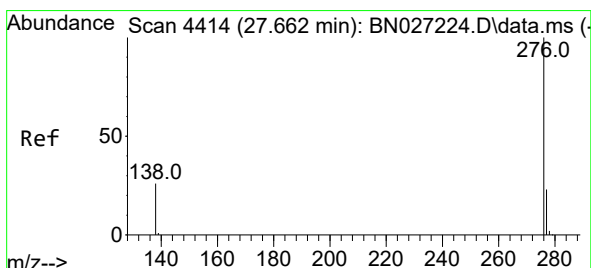
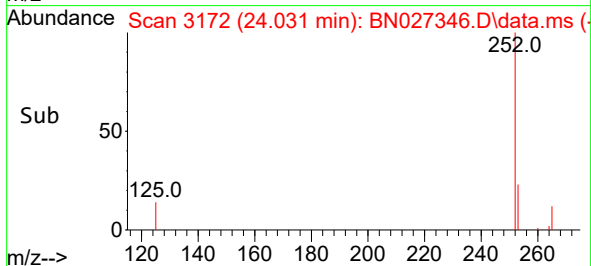
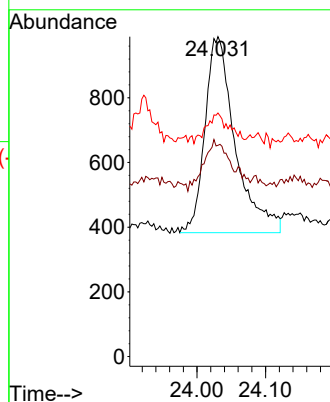
Tgt Ion:252 Resp: 1864

Ion Ratio Lower Upper

252 100

253 66.0 21.4 32.0#

125 76.1 16.5 24.7#



#41

Benzo(g,h,i)perylene

Concen: 0.027 ng

RT: 27.650 min Scan# 4410

Delta R.T. 0.020 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

Tgt Ion:276 Resp: 1439

Ion Ratio Lower Upper

276 100

277 42.4 19.6 29.4#

138 48.1 22.1 33.1#

