

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022624\
 Data File : BN030076.D
 Acq On : 27 Feb 2024 03:14
 Operator : MA/JU
 Sample : P1578-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222

Quant Time: Feb 27 03:45:54 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)

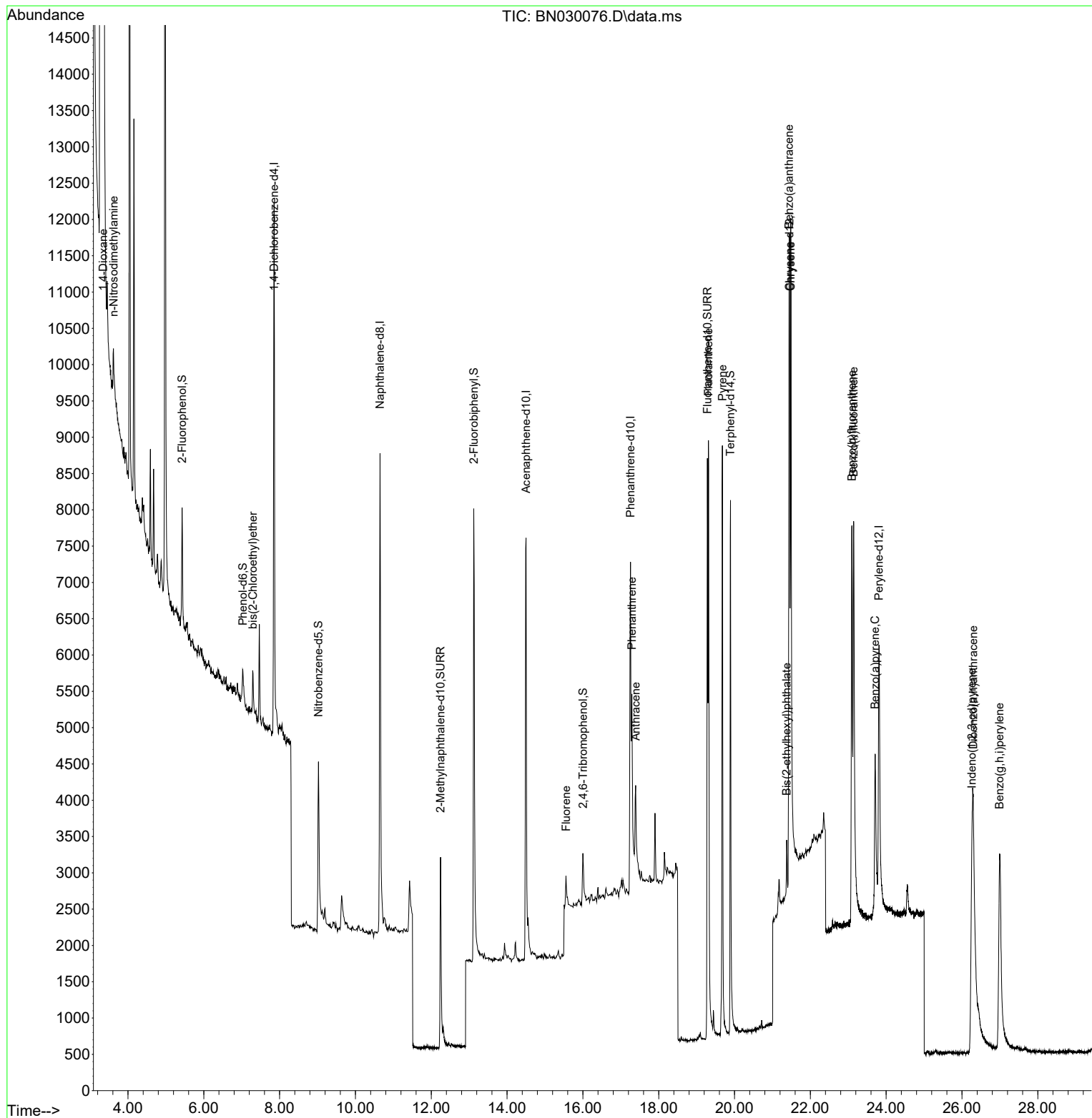
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	3989	0.400	ng	0.00
7) Naphthalene-d8	10.647	136	10281	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	4625	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	9632	0.400	ng	0.00
29) Chrysene-d12	21.447	240	7316	0.400	ng	0.00
35) Perylene-d12	23.812	264	6968	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	1353	0.141	ng	0.00
5) Phenol-d6	7.031	99	729	0.066	ng	0.00
8) Nitrobenzene-d5	9.025	82	3090	0.361	ng	0.01
11) 2-Methylnaphthalene-d10	12.246	152	4798	0.343	ng	0.00
14) 2,4,6-Tribromophenol	16.002	330	562	0.379	ng	0.00
15) 2-Fluorobiphenyl	13.121	172	7229	0.364	ng	0.00
27) Fluoranthene-d10	19.285	212	10537	0.452	ng	0.00
31) Terphenyl-d14	19.893	244	8656	0.477	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.348	88	38449	6.847	ng	96
3) n-Nitrosodimethylamine	3.622	42	370	0.081	ng	# 1
6) bis(2-Chloroethyl)ether	7.298	93	554	0.053	ng	89
18) Fluorene	15.555	166	578	0.031	ng	90
25) Phenanthrene	17.292	178	2985	0.105	ng	96
26) Anthracene	17.392	178	2163	0.089	ng	# 92
28) Fluoranthene	19.313	202	8107	0.253	ng	99
30) Pyrene	19.680	202	8117	0.241	ng	99
32) Benzo(a)anthracene	21.438	228	6559	0.262	ng	99
33) Chrysene	21.483	228	9370	0.330	ng	99
34) Bis(2-ethylhexyl)phtha...	21.375	149	931	0.055	ng	96
36) Indeno(1,2,3-cd)pyrene	26.262	276	8777	0.313	ng	# 84
37) Benzo(b)fluoranthene	23.095	252	8170	0.328	ng	94
38) Benzo(k)fluoranthene	23.142	252	8518	0.327	ng	95
39) Benzo(a)pyrene	23.709	252	5160	0.238	ng	# 81
40) Dibenzo(a,h)anthracene	26.297	278	7236	0.324	ng	94
41) Benzo(g,h,i)perylene	26.993	276	8096	0.298	ng	97

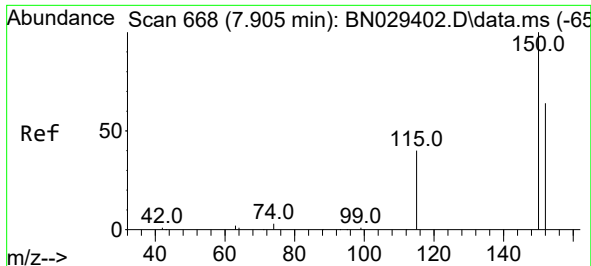
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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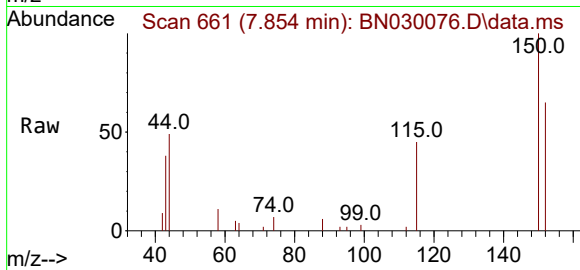
Quant Time: Feb 27 03:45:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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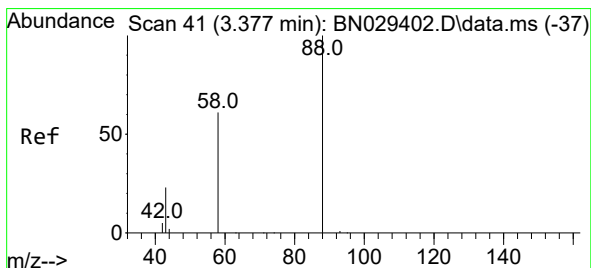
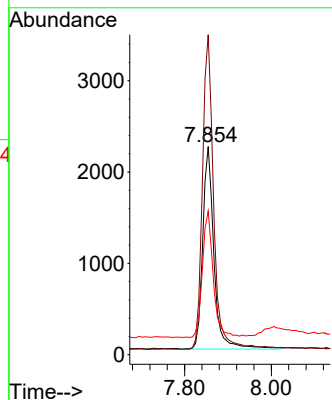
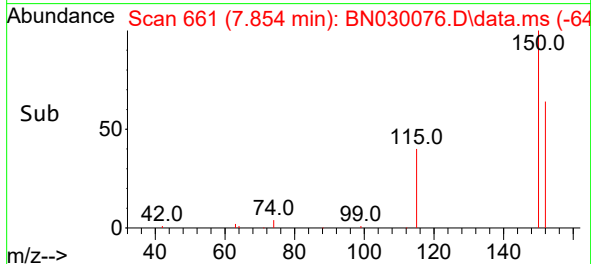


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.854 min Scan# 60
 Delta R.T. 0.000 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222

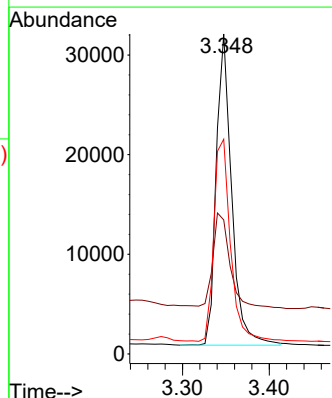
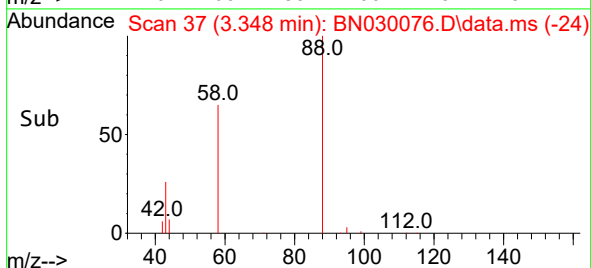
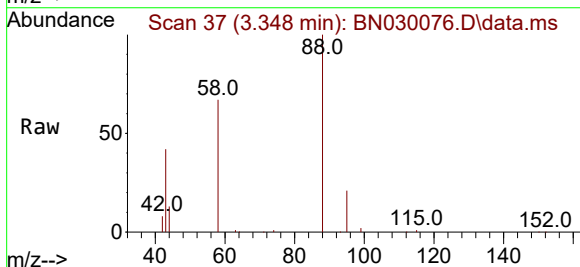


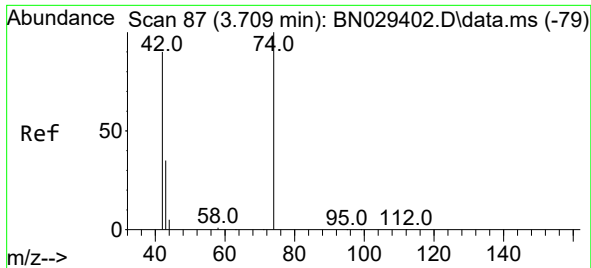
Tgt Ion:152 Resp: 3989
 Ion Ratio Lower Upper
 152 100
 150 153.8 123.0 184.4
 115 69.0 51.4 77.0



#2
 1,4-Dioxane
 Concen: 6.847 ng
 RT: 3.348 min Scan# 37
 Delta R.T. -0.007 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

Tgt Ion: 88 Resp: 38449
 Ion Ratio Lower Upper
 88 100
 43 33.0 23.3 34.9
 58 69.8 53.8 80.6

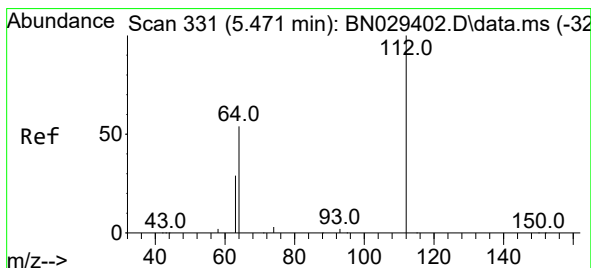
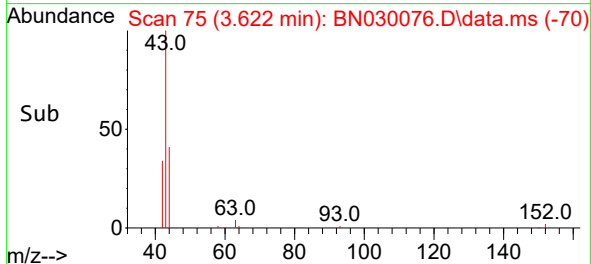
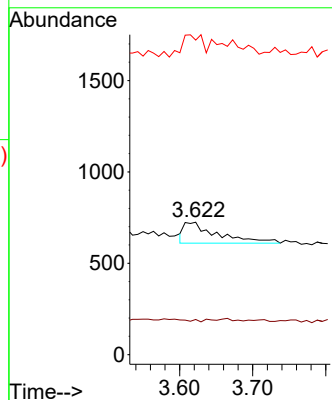
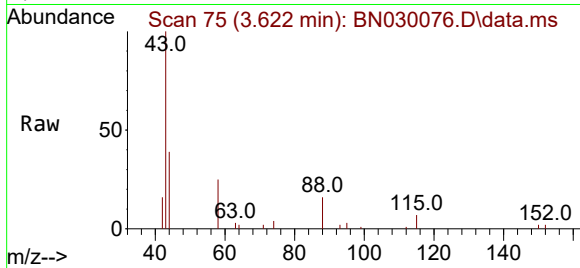




#3
n-Nitrosodimethylamine
Concen: 0.081 ng
RT: 3.622 min Scan# 71
Delta R.T. -0.065 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

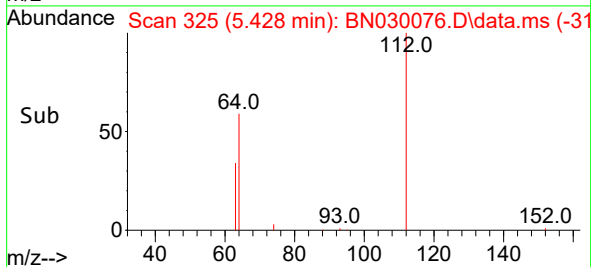
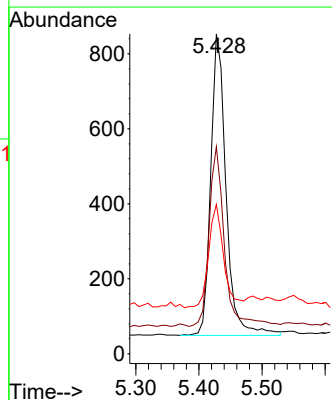
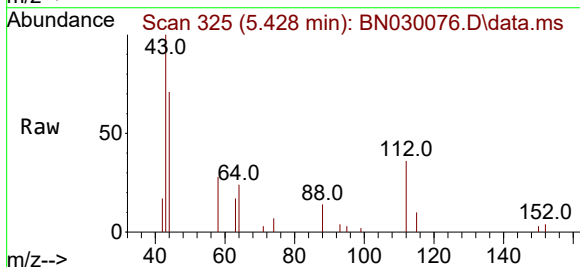
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

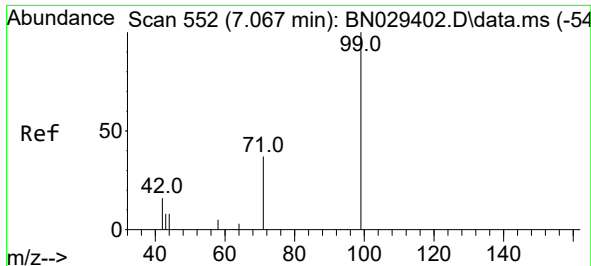
Tgt Ion: 42 Resp: 370
Ion Ratio Lower Upper
42 100
74 0.0 93.7 140.5#
44 43.0 13.0 19.4#



#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.428 min Scan# 325
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion: 112 Resp: 1353
Ion Ratio Lower Upper
112 100
64 60.0 47.2 70.8
63 32.4 25.8 38.6

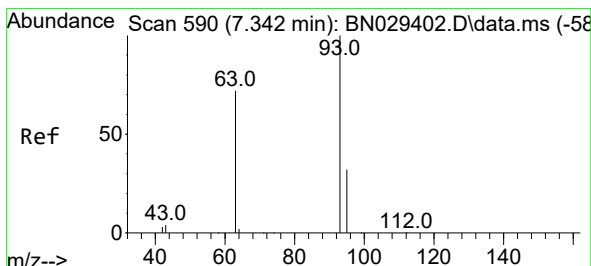
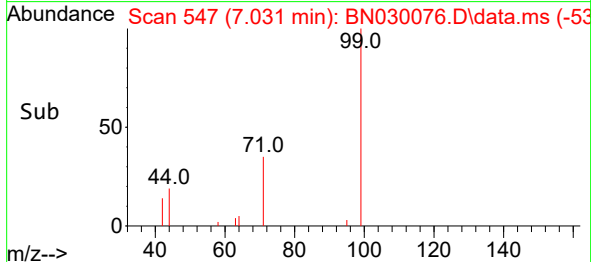
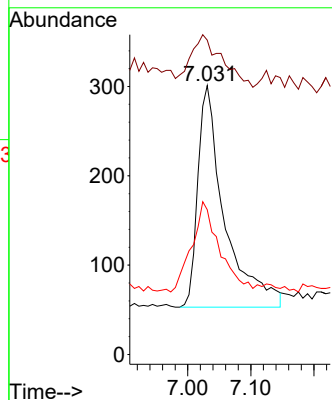
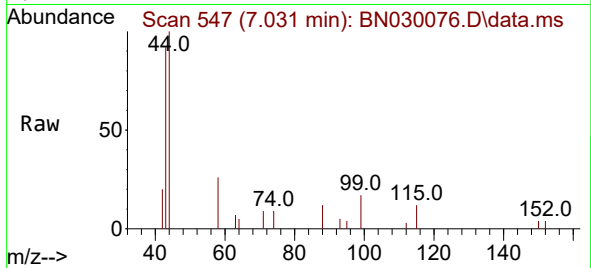




#5
Phenol-d6
Concen: 0.066 ng
RT: 7.031 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

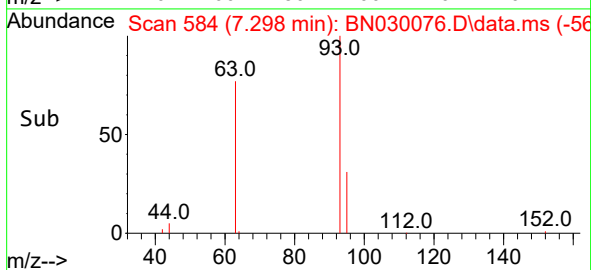
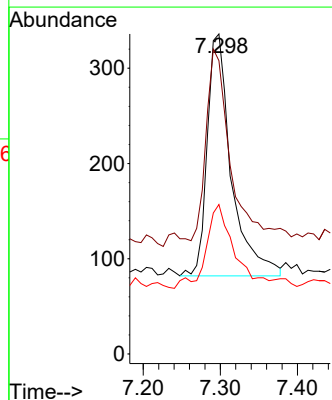
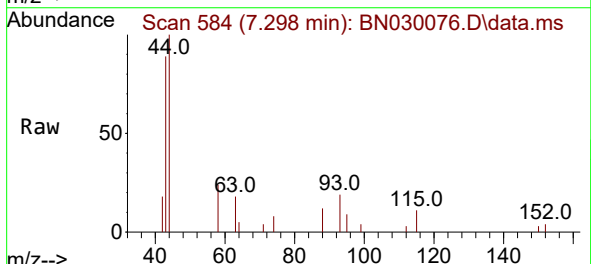
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

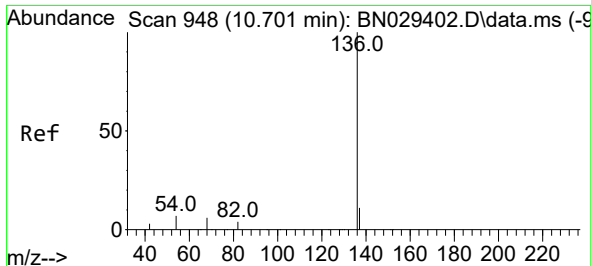
Tgt Ion: 99 Resp: 729
Ion Ratio Lower Upper
99 100
42 28.1 16.9 25.3#
71 41.3 30.0 45.0



#6
bis(2-Chloroethyl)ether
Concen: 0.053 ng
RT: 7.298 min Scan# 584
Delta R.T. 0.007 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion: 93 Resp: 554
Ion Ratio Lower Upper
93 100
63 88.6 63.1 94.7
95 40.3 27.1 40.7

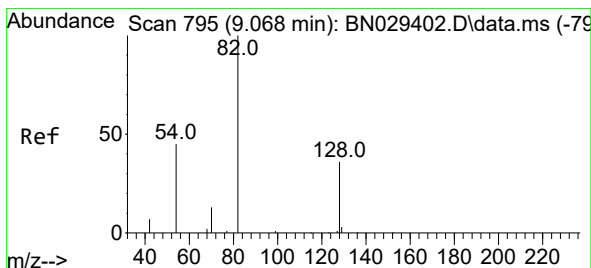
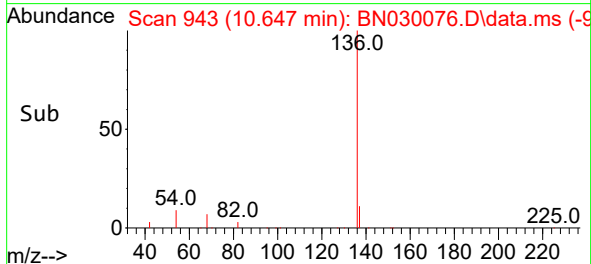
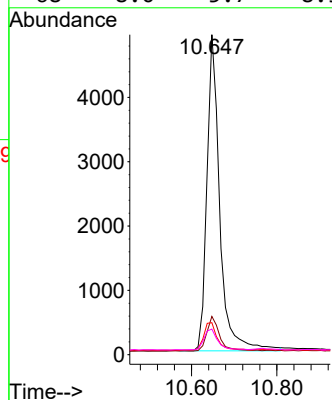
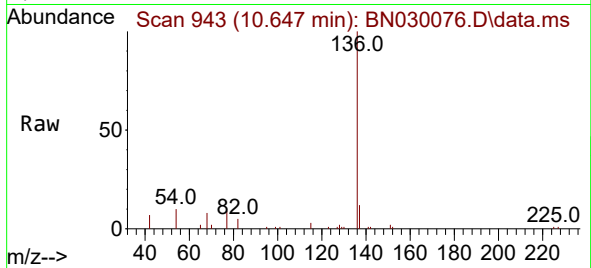




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.647 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

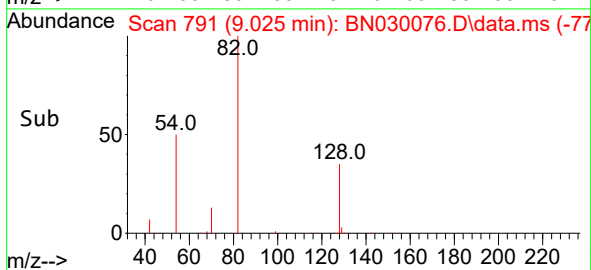
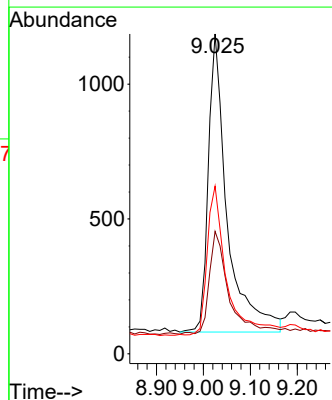
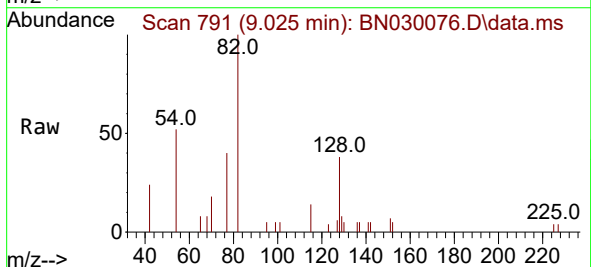
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

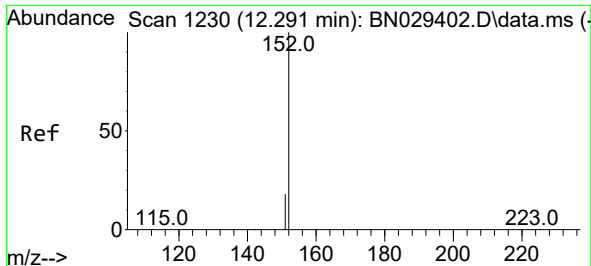
Tgt Ion:136 Resp: 10281
Ion Ratio Lower Upper
136 100
137 12.0 9.7 14.5
54 10.0 6.6 10.0#
68 8.0 5.7 8.5



#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 9.025 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion: 82 Resp: 3090
Ion Ratio Lower Upper
82 100
128 38.3 31.6 47.4
54 52.4 38.2 57.4

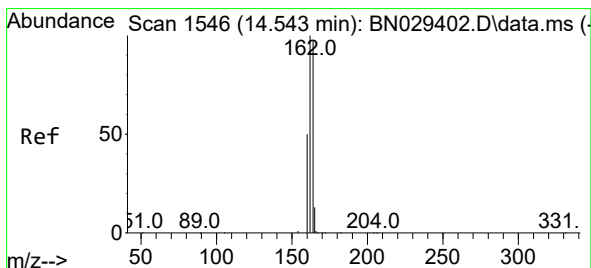
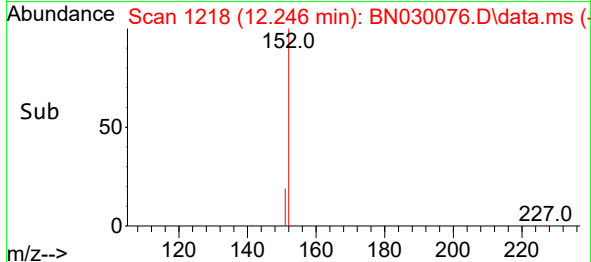
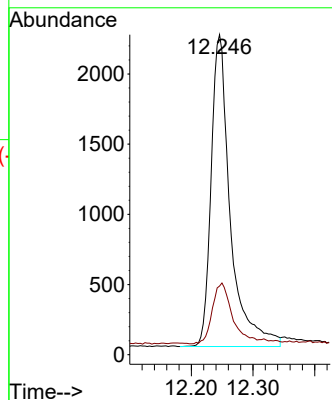
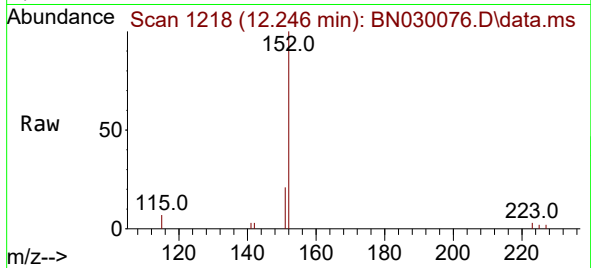




#11
2-Methylnaphthalene-d10
Concen: 0.343 ng
RT: 12.246 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

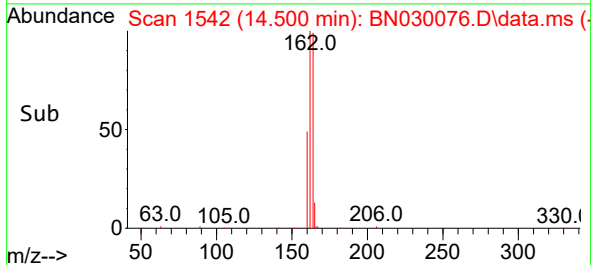
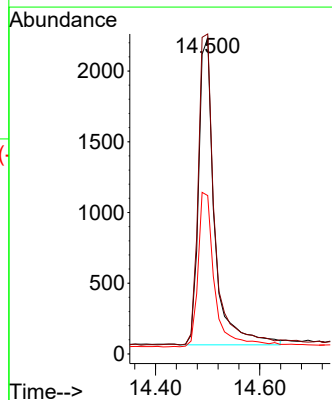
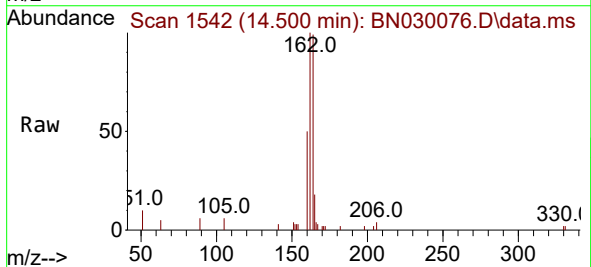
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

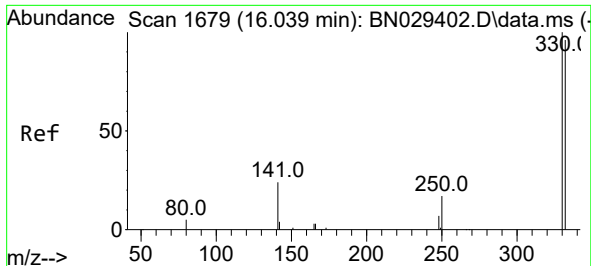
Tgt Ion:152 Resp: 4798
Ion Ratio Lower Upper
152 100
151 20.4 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.500 min Scan# 1542
Delta R.T. 0.011 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:164 Resp: 4625
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 50.2 41.5 62.3





#14

2,4,6-Tribromophenol

Concen: 0.379 ng

RT: 16.002 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN030076.D

Acq: 27 Feb 2024 03:14

Instrument :

BNA_N

ClientSampleId :

RE115D2-20240222

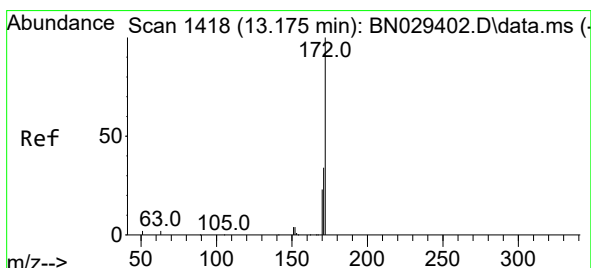
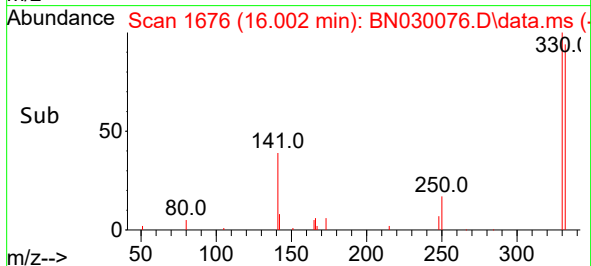
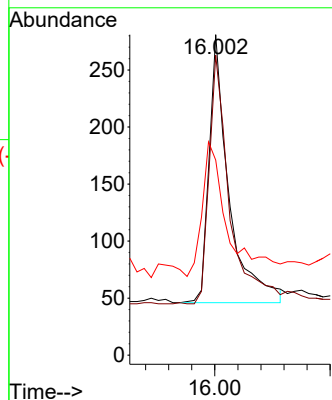
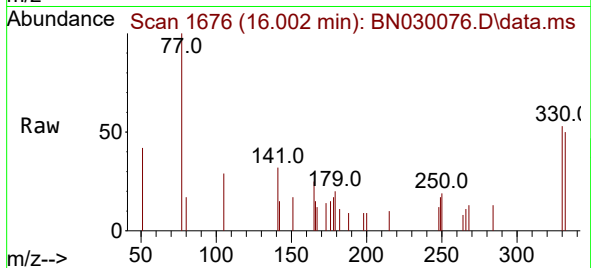
Tgt Ion:330 Resp: 562

Ion Ratio Lower Upper

330 100

332 95.6 76.0 114.0

141 64.6 43.4 65.2



#15

2-Fluorobiphenyl

Concen: 0.364 ng

RT: 13.121 min Scan# 1413

Delta R.T. -0.000 min

Lab File: BN030076.D

Acq: 27 Feb 2024 03:14

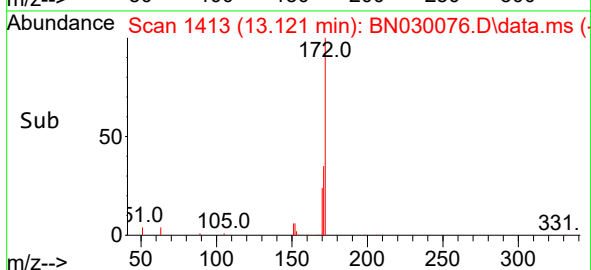
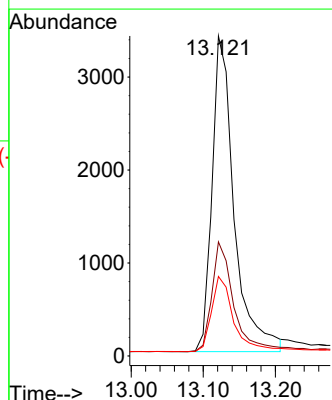
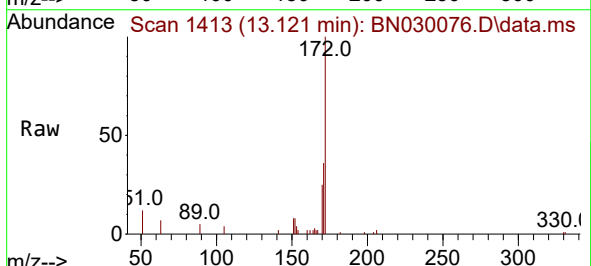
Tgt Ion:172 Resp: 7229

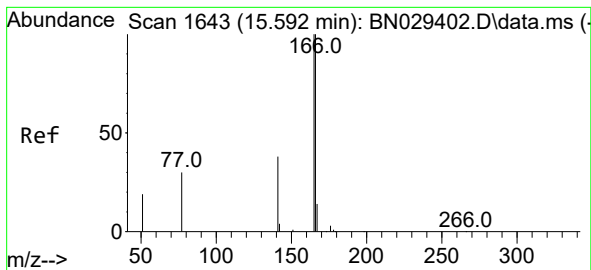
Ion Ratio Lower Upper

172 100

171 35.6 28.0 42.0

170 24.8 18.7 28.1





#18

Fluorene

Concen: 0.031 ng

RT: 15.555 min Scan# 1

Delta R.T. 0.012 min

Lab File: BN030076.D

Acq: 27 Feb 2024 03:14

Instrument :

BNA_N

ClientSampleId :

RE115D2-20240222

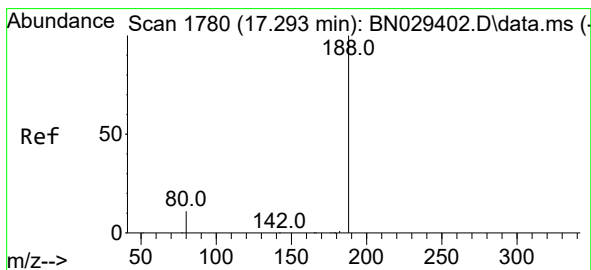
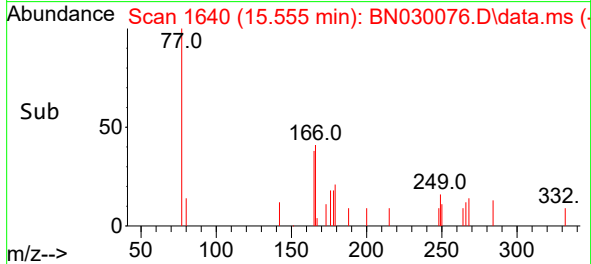
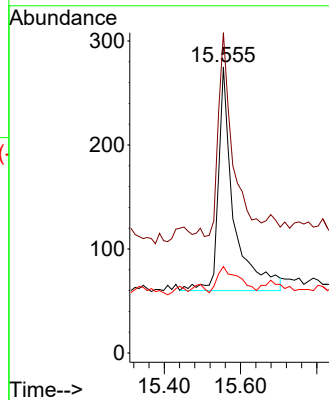
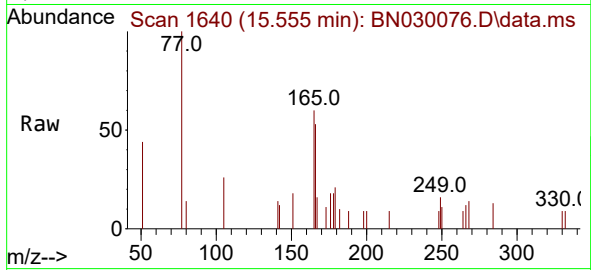
Tgt Ion:166 Resp: 578

Ion Ratio Lower Upper

166 100

165 88.8 79.9 119.9

167 16.4 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: BN030076.D

Acq: 27 Feb 2024 03:14

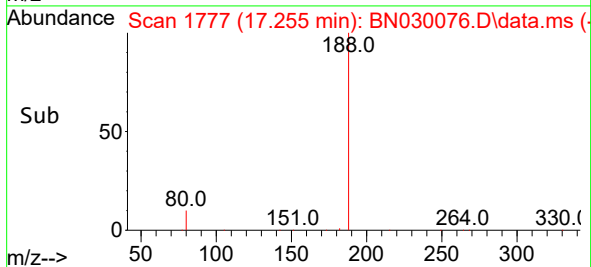
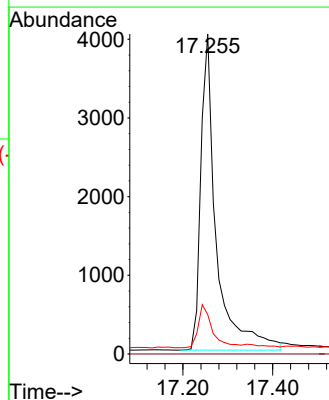
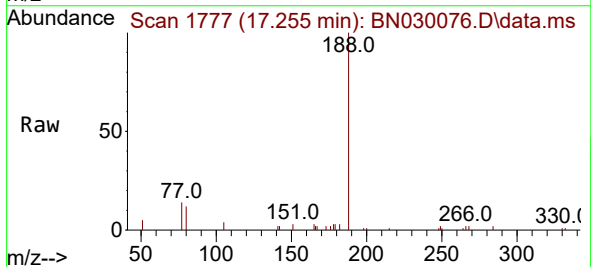
Tgt Ion:188 Resp: 9632

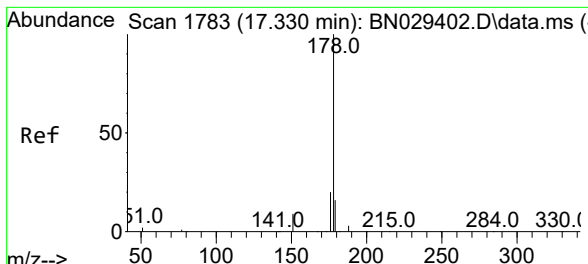
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.3 10.0 15.0

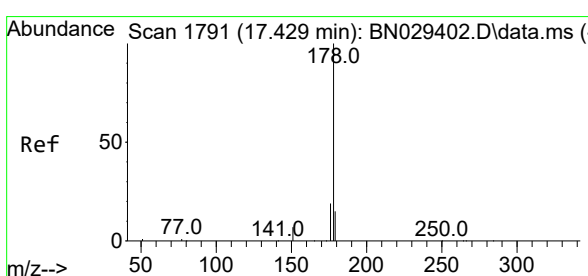
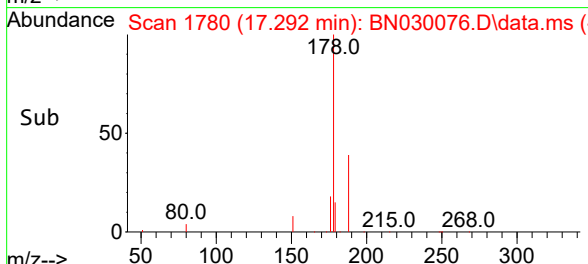
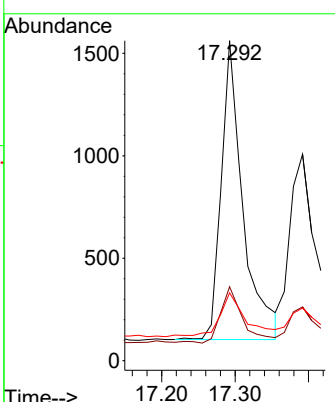
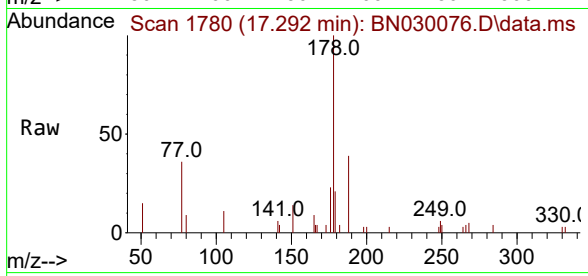




#25
 Phenanthrene
 Concen: 0.105 ng
 RT: 17.292 min Scan# 1785
 Delta R.T. -0.000 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

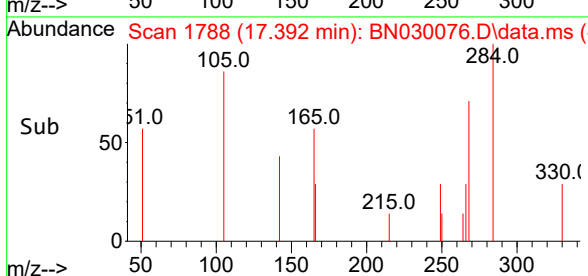
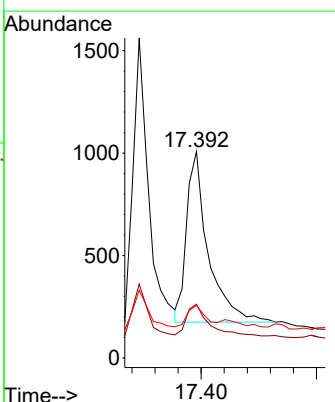
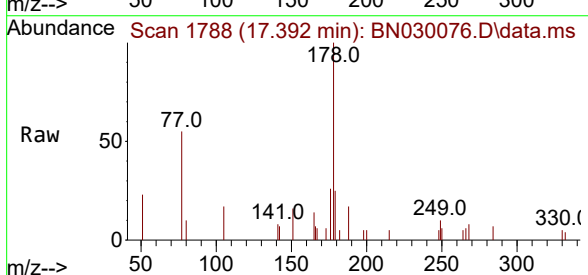
Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222

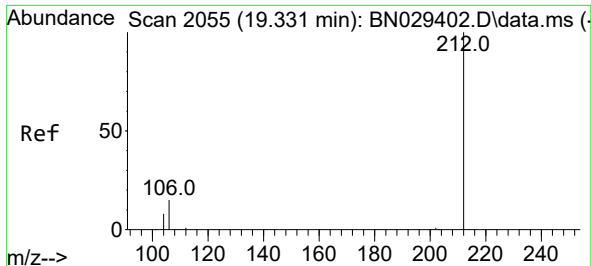
Tgt Ion:	178	Resp:	2985
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.8	23.6
179	17.6	12.6	19.0



#26
 Anthracene
 Concen: 0.089 ng
 RT: 17.392 min Scan# 1788
 Delta R.T. -0.000 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

Tgt Ion:	178	Resp:	2163
Ion Ratio	Lower	Upper	
178	100		
176	21.2	15.0	22.4
179	10.4	12.3	18.5

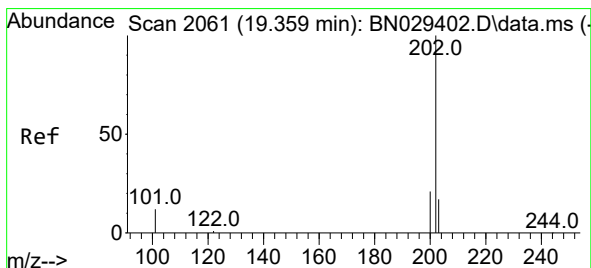
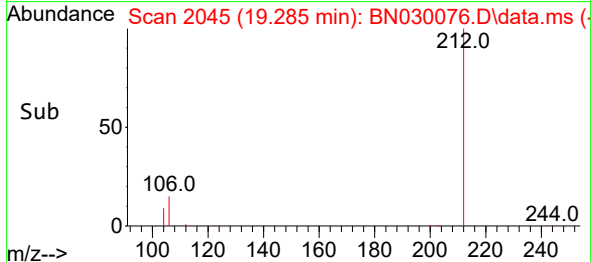
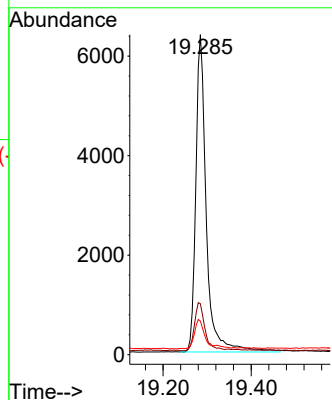
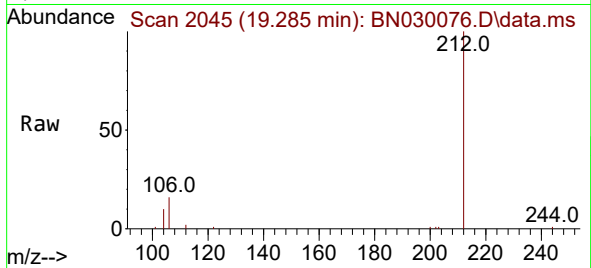




#27
Fluoranthene-d10
Concen: 0.452 ng
RT: 19.285 min Scan# 2051
Delta R.T. -0.005 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

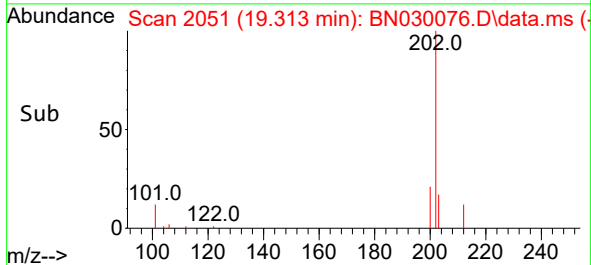
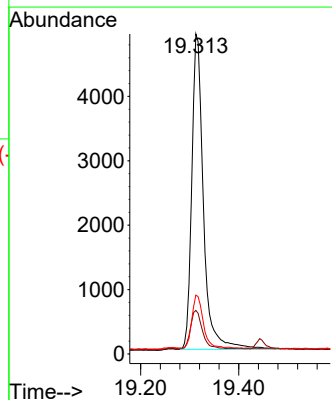
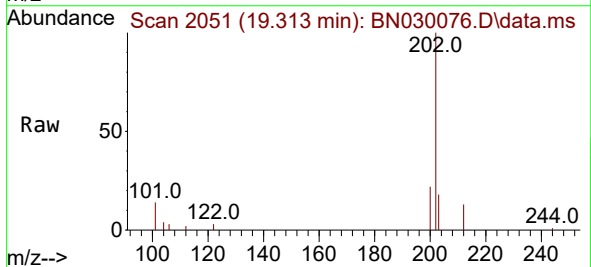
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

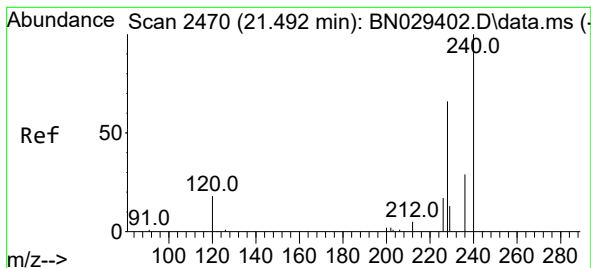
Tgt Ion:212 Resp: 10537
Ion Ratio Lower Upper
212 100
106 15.0 13.2 19.8
104 9.8 7.7 11.5



#28
Fluoranthene
Concen: 0.253 ng
RT: 19.313 min Scan# 2051
Delta R.T. -0.005 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:202 Resp: 8107
Ion Ratio Lower Upper
202 100
101 12.6 10.5 15.7
203 16.8 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.447 min Scan# 2465

Delta R.T. -0.009 min

Lab File: BN030076.D

Acq: 27 Feb 2024 03:14

Instrument :

BNA_N

ClientSampleId :

RE115D2-20240222

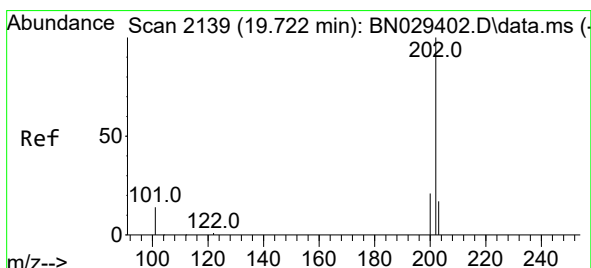
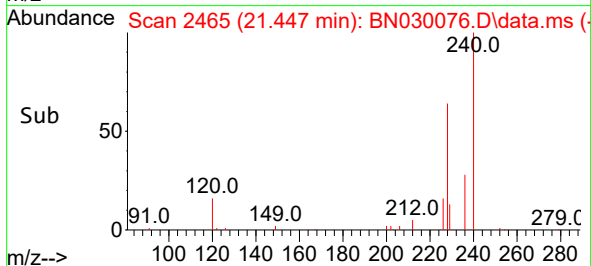
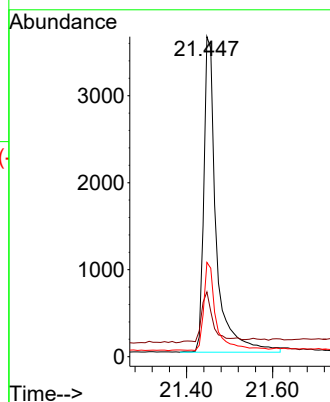
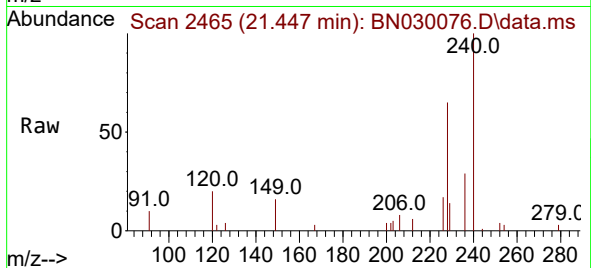
Tgt Ion:240 Resp: 7316

Ion Ratio Lower Upper

240 100

120 20.3 16.7 25.1

236 29.4 23.9 35.9



#30

Pyrene

Concen: 0.241 ng

RT: 19.680 min Scan# 2130

Delta R.T. -0.005 min

Lab File: BN030076.D

Acq: 27 Feb 2024 03:14

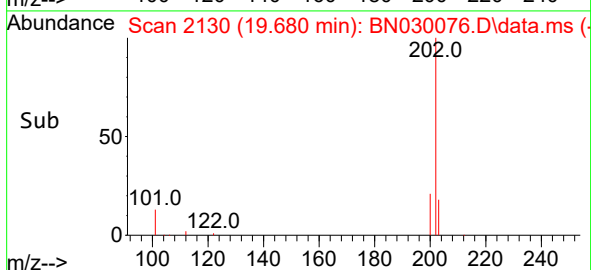
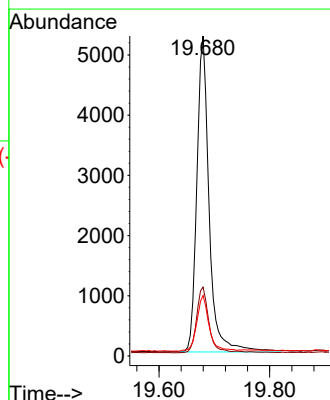
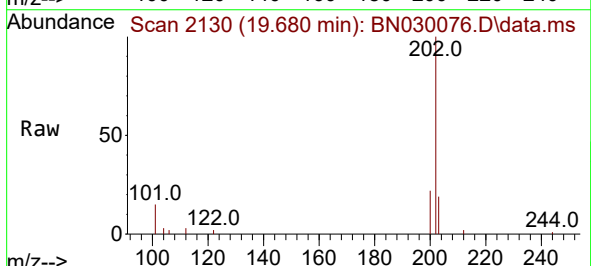
Tgt Ion:202 Resp: 8117

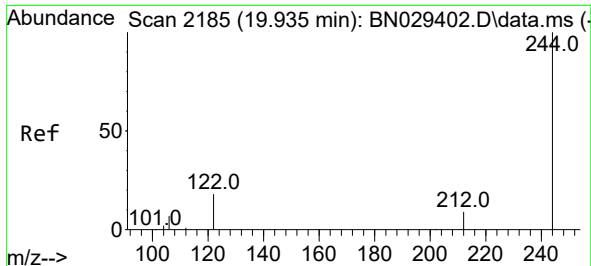
Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

203 17.6 14.2 21.4

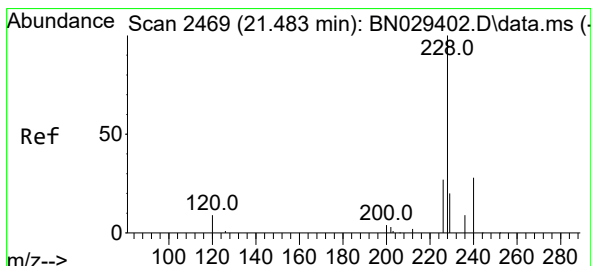
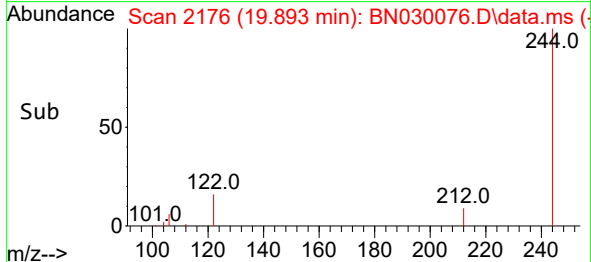
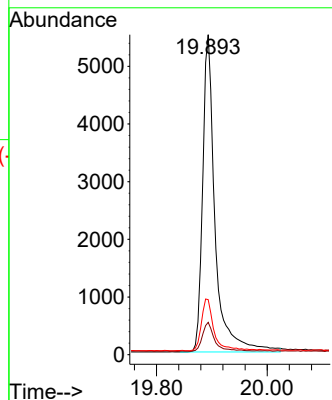
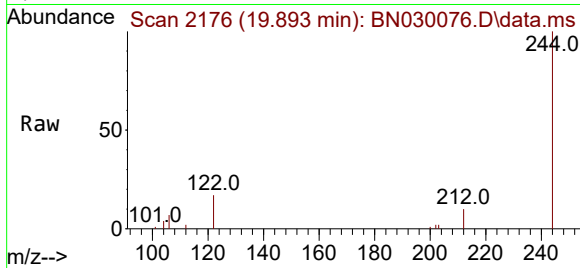




#31
 Terphenyl-d14
 Concen: 0.477 ng
 RT: 19.893 min Scan# 2185
 Delta R.T. -0.005 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

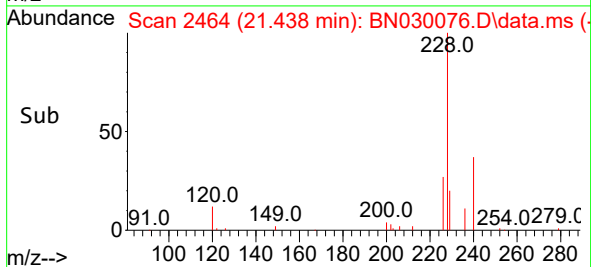
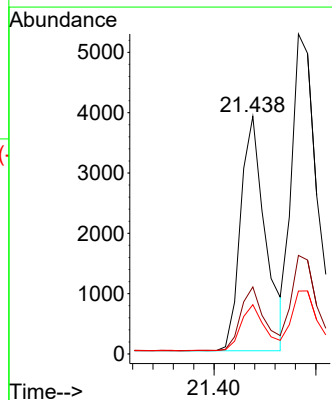
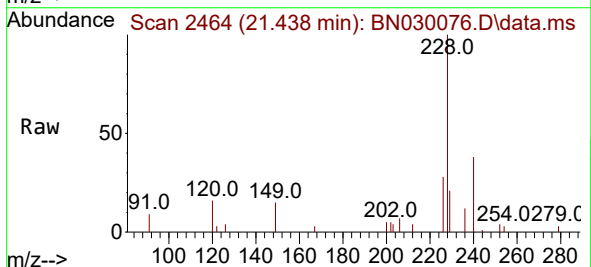
Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222

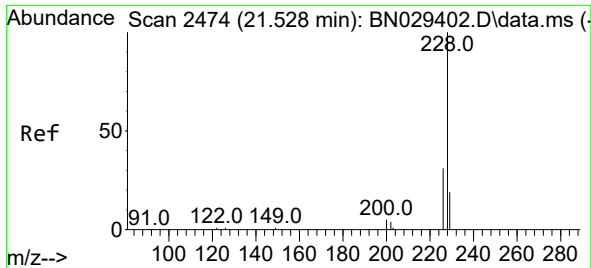
Tgt Ion:244 Resp: 8656
 Ion Ratio Lower Upper
 244 100
 212 10.1 8.2 12.4
 122 17.2 15.6 23.4



#32
 Benzo(a)anthracene
 Concen: 0.262 ng
 RT: 21.438 min Scan# 2464
 Delta R.T. -0.000 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

Tgt Ion:228 Resp: 6559
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.2 33.4
 229 20.8 16.5 24.7





#33

Chrysene

Concen: 0.330 ng

RT: 21.483 min Scan# 2469

Delta R.T. -0.009 min

Lab File: BN030076.D

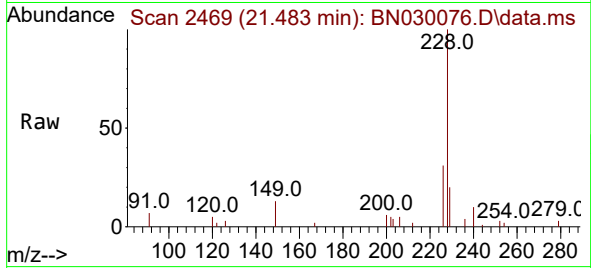
Acq: 27 Feb 2024 03:14

Instrument :

BNA_N

ClientSampleId :

RE115D2-20240222



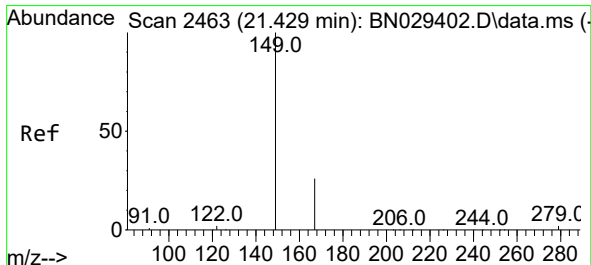
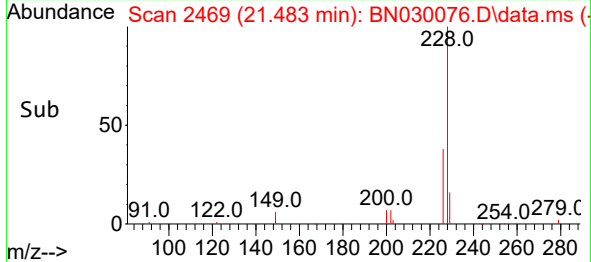
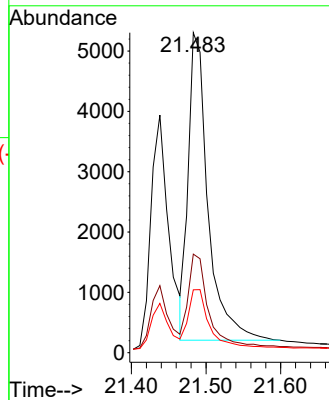
Tgt Ion:228 Resp: 9370

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

229 19.6 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.055 ng

RT: 21.375 min Scan# 2457

Delta R.T. -0.009 min

Lab File: BN030076.D

Acq: 27 Feb 2024 03:14

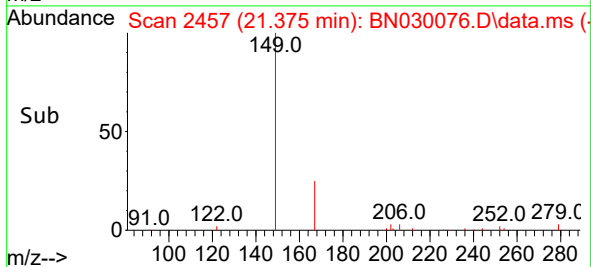
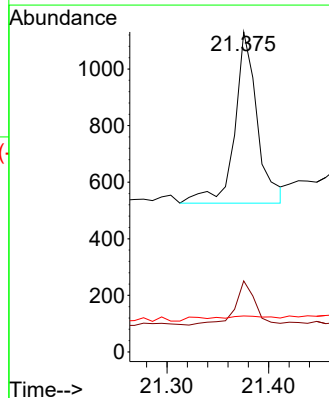
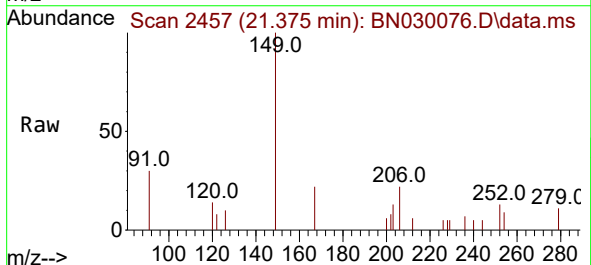
Tgt Ion:149 Resp: 931

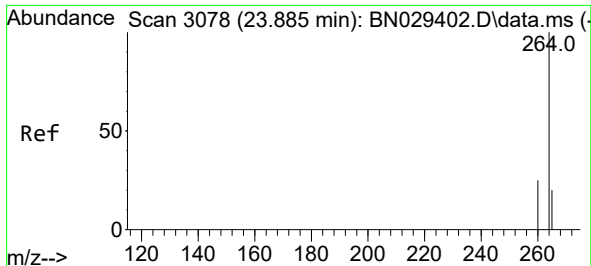
Ion Ratio Lower Upper

149 100

167 23.0 20.1 30.1

279 2.7 2.5 3.7

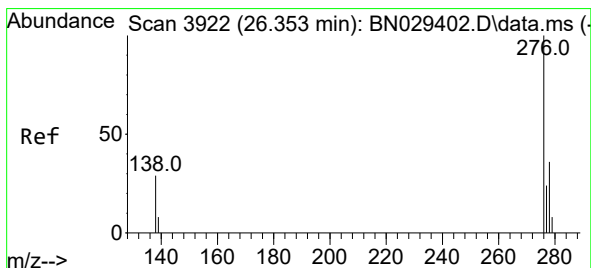
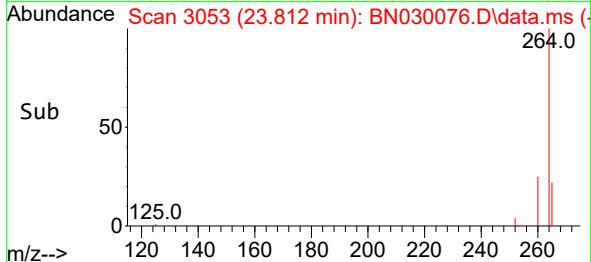
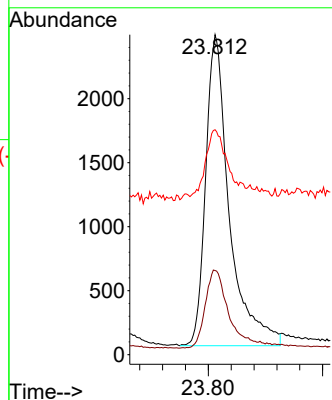
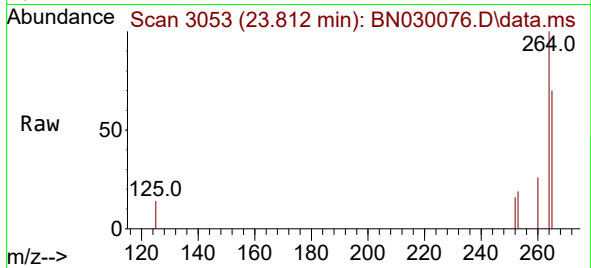




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.812 min Scan# 3078
Delta R.T. -0.009 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

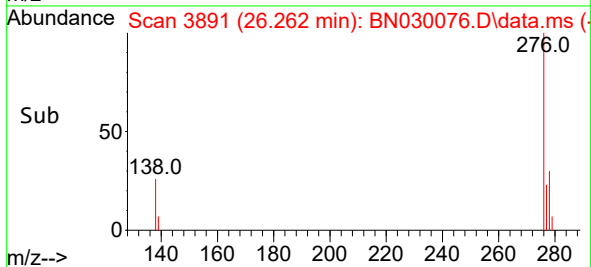
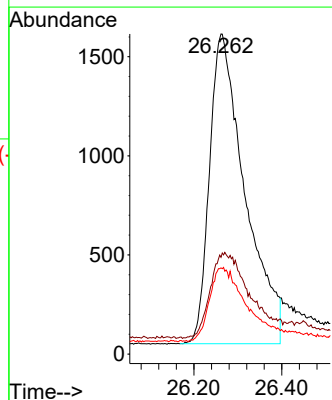
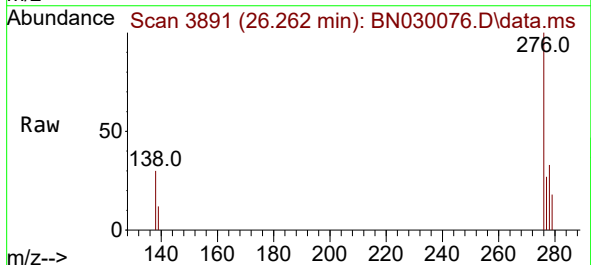
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

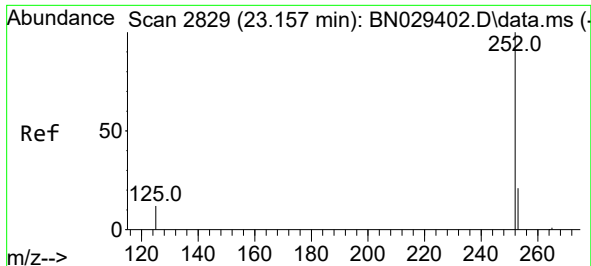
Tgt Ion:264 Resp: 6968
Ion Ratio Lower Upper
264 100
260 26.3 21.2 31.8
265 70.3 41.5 62.3#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.313 ng
RT: 26.262 min Scan# 3891
Delta R.T. -0.006 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:276 Resp: 8777
Ion Ratio Lower Upper
276 100
138 14.0 20.5 30.7#
277 24.8 17.0 25.4





#37

Benzo(b)fluoranthene

Concen: 0.328 ng

RT: 23.095 min Scan# 2808

Delta R.T. -0.003 min

Lab File: BN030076.D

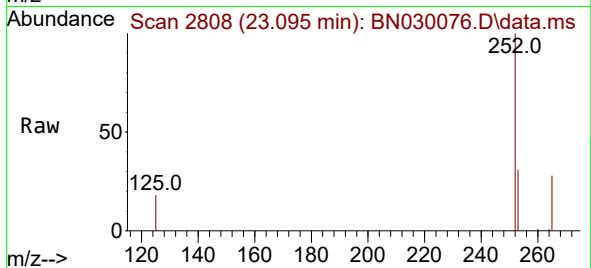
Acq: 27 Feb 2024 03:14

Instrument :

BNA_N

ClientSampleId :

RE115D2-20240222



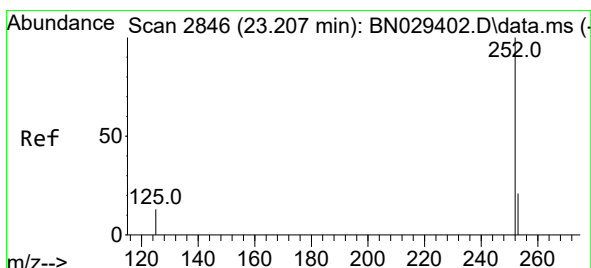
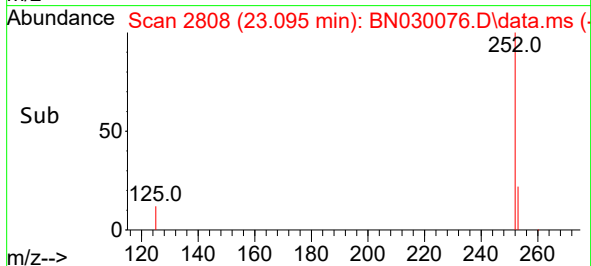
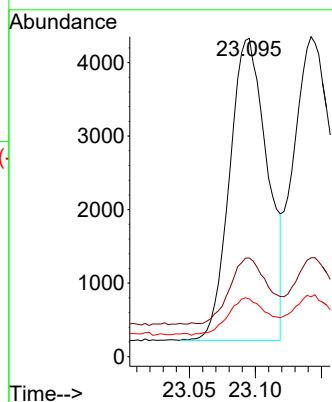
Tgt Ion:252 Resp: 8170

Ion Ratio Lower Upper

252 100

253 31.0 21.7 32.5

125 18.2 13.3 19.9



#38

Benzo(k)fluoranthene

Concen: 0.327 ng

RT: 23.142 min Scan# 2824

Delta R.T. -0.006 min

Lab File: BN030076.D

Acq: 27 Feb 2024 03:14

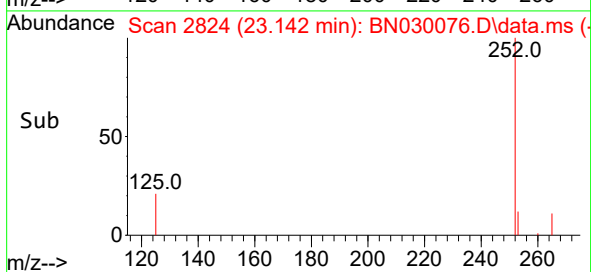
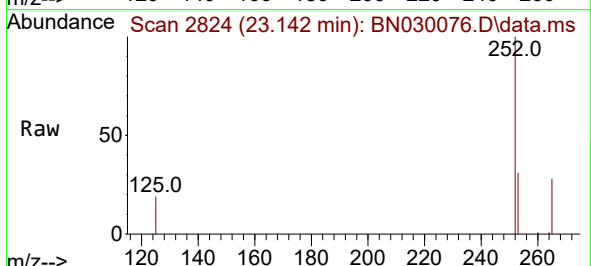
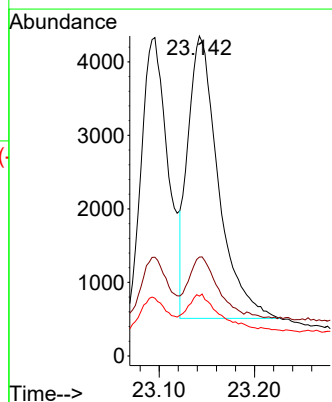
Tgt Ion:252 Resp: 8518

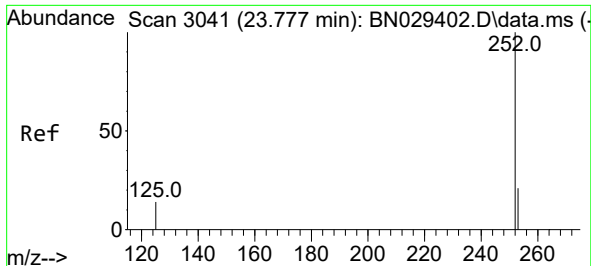
Ion Ratio Lower Upper

252 100

253 30.9 21.8 32.8

125 18.7 13.9 20.9





#39

Benzo(a)pyrene

Concen: 0.238 ng

RT: 23.709 min Scan# 3018

Delta R.T. -0.006 min

Lab File: BN030076.D

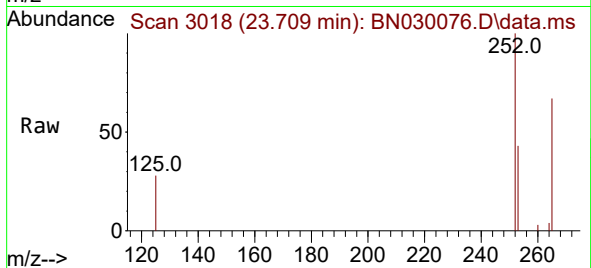
Acq: 27 Feb 2024 03:14

Instrument :

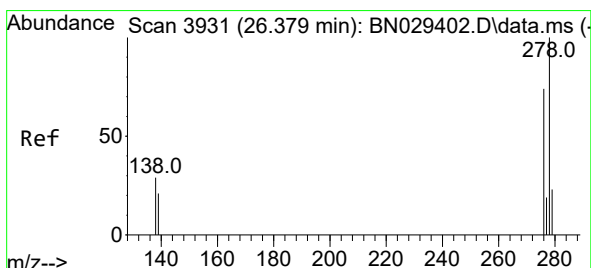
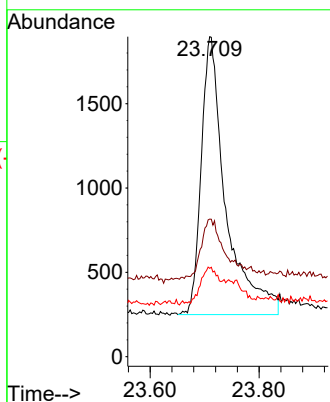
BNA_N

ClientSampleId :

RE115D2-20240222



Tgt Ion:	252	Resp:	5160
Ion Ratio	Lower	Upper	
252	100		
253	43.0	24.9	37.3#
125	27.6	16.6	25.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.324 ng

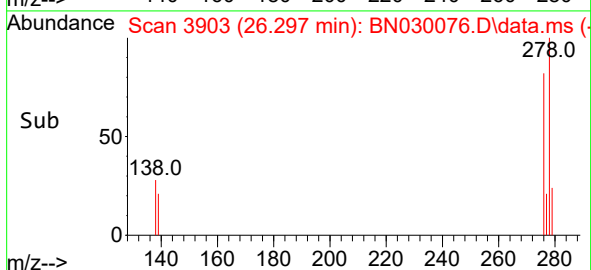
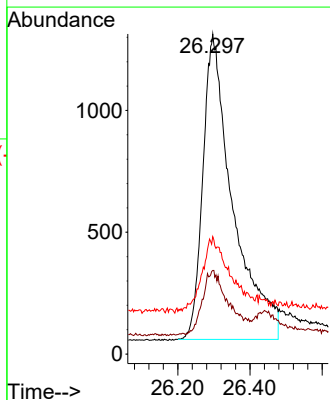
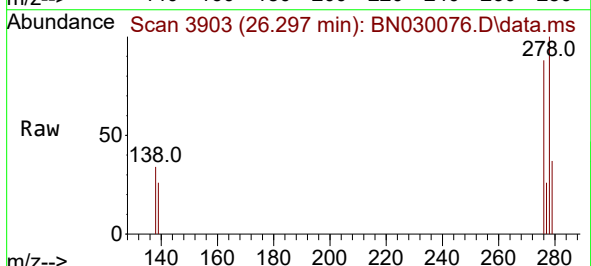
RT: 26.297 min Scan# 3903

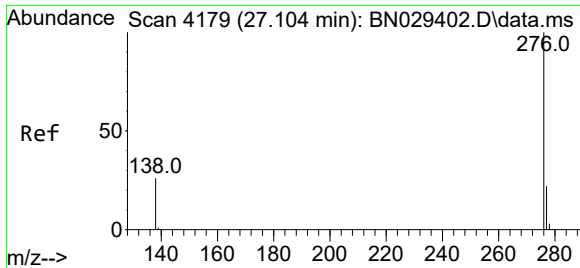
Delta R.T. -0.006 min

Lab File: BN030076.D

Acq: 27 Feb 2024 03:14

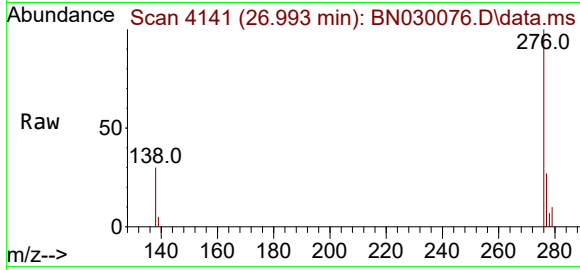
Tgt Ion:	278	Resp:	7236
Ion Ratio	Lower	Upper	
278	100		
139	26.1	20.4	30.6
279	36.7	25.0	37.6





#41
Benzo(g,h,i)perylene
Concen: 0.298 ng
RT: 26.993 min Scan# 41
Delta R.T. -0.015 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222



Tgt Ion:276 Resp: 8096
Ion Ratio Lower Upper
276 100
277 26.6 19.4 29.2
138 30.3 23.5 35.3

