

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022724\
 Data File : BN030090.D
 Acq On : 27 Feb 2024 14:08
 Operator : MA/JU
 Sample : P1578-06DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222DL

Quant Time: Feb 28 00:18:55 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)

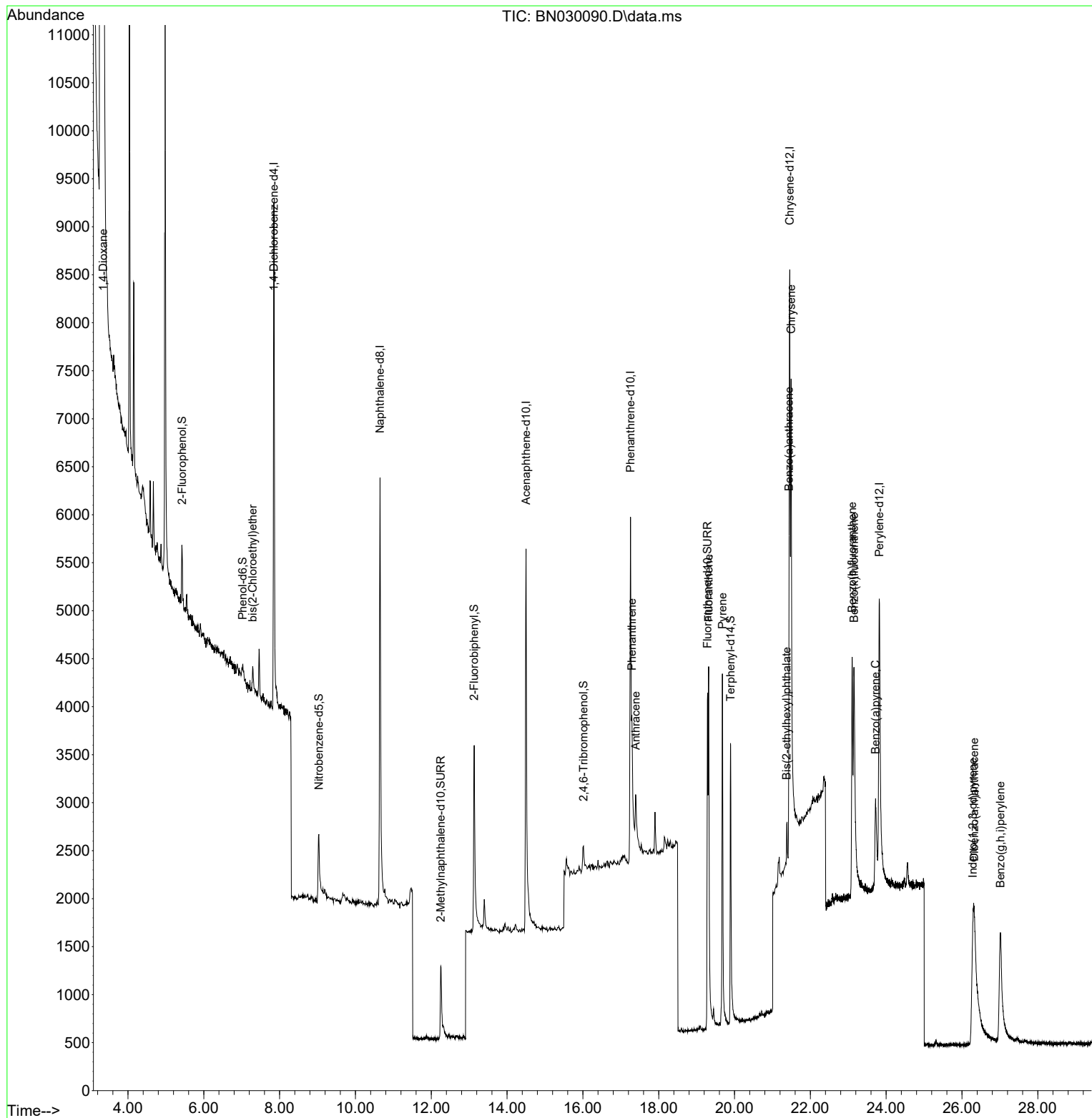
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.847	152	2932	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	7458	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	3433	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	7905	0.400	ng	0.00
29) Chrysene-d12	21.456	240	6759	0.400	ng	0.00
35) Perylene-d12	23.821	264	6288	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	551	0.078	ng	0.00
5) Phenol-d6	7.024	99	272	0.033	ng	0.00
8) Nitrobenzene-d5	9.035	82	1155	0.186	ng	0.02
11) 2-Methylnaphthalene-d10	12.250	152	1826	0.180	ng	0.00
14) 2,4,6-Tribromophenol	16.014	330	257	0.233	ng	0.01
15) 2-Fluorobiphenyl	13.132	172	2589	0.176	ng	0.01
27) Fluoranthene-d10	19.289	212	5064	0.264	ng	0.00
31) Terphenyl-d14	19.898	244	4113	0.245	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.348	88	16654	4.035	ng	95
6) bis(2-Chloroethyl)ether	7.291	93	229	0.030	ng	# 84
25) Phenanthrene	17.293	178	1383	0.059	ng	# 95
26) Anthracene	17.392	178	1020	0.051	ng	96
28) Fluoranthene	19.317	202	3933	0.150	ng	99
30) Pyrene	19.680	202	4003	0.129	ng	99
32) Benzo(a)anthracene	21.438	228	2929	0.127	ng	95
33) Chrysene	21.492	228	4979	0.190	ng	98
34) Bis(2-ethylhexyl)phtha...	21.376	149	495	0.031	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.285	276	3934	0.156	ng	# 69
37) Benzo(b)fluoranthene	23.101	252	3856	0.172	ng	# 80
38) Benzo(k)fluoranthene	23.151	252	4045	0.172	ng	# 78
39) Benzo(a)pyrene	23.721	252	2194	0.112	ng	# 47
40) Dibenzo(a,h)anthracene	26.323	278	3144	0.156	ng	# 72
41) Benzo(g,h,i)perylene	27.013	276	3904	0.159	ng	# 90

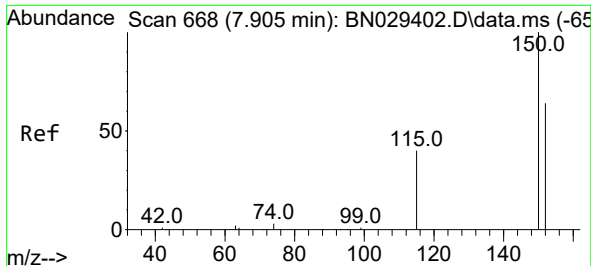
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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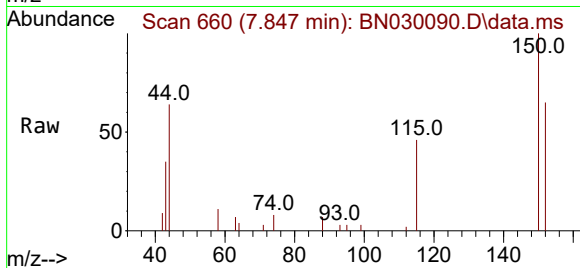
Quant Time: Feb 28 00:18:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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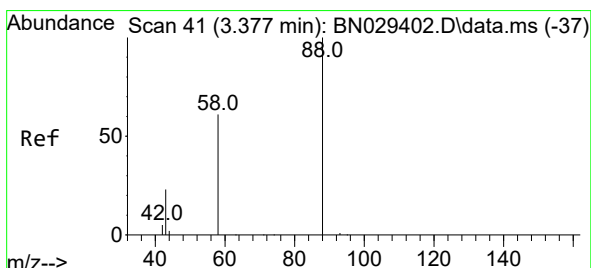
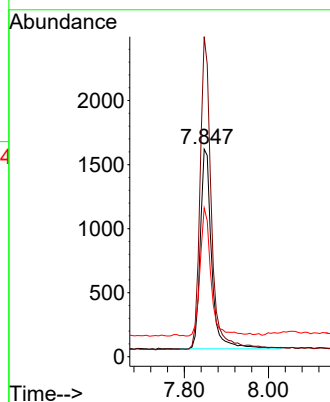
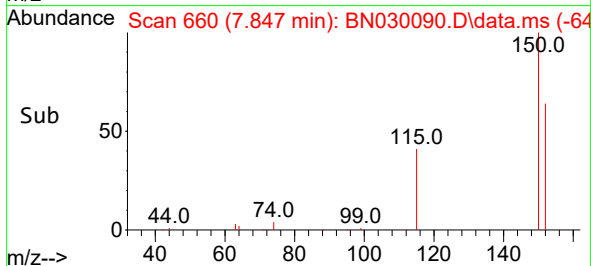
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.847 min Scan# 60
 Delta R.T. -0.007 min
 Lab File: BN030090.D
 Acq: 27 Feb 2024 14:08

Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222DL



Tgt Ion:152 Resp: 2932

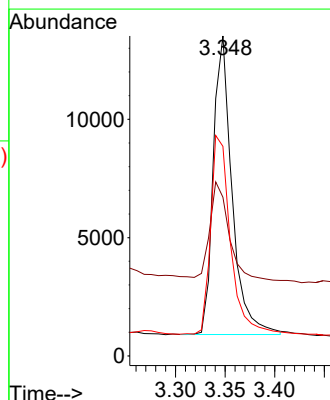
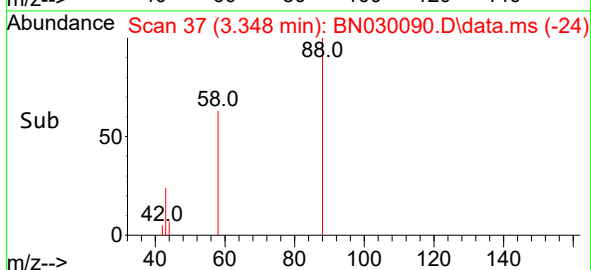
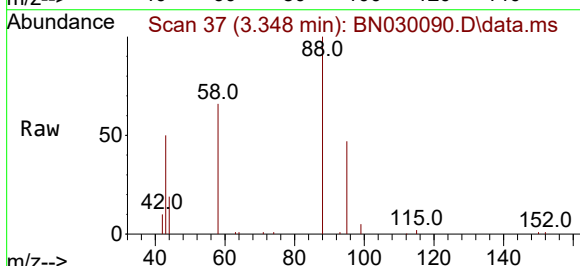
Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.0	184.4
115	71.7	51.4	77.0

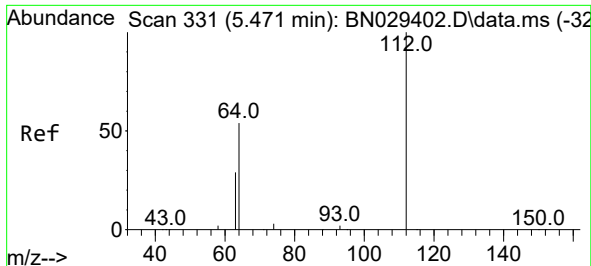


#2
 1,4-Dioxane
 Concen: 4.035 ng
 RT: 3.348 min Scan# 37
 Delta R.T. -0.007 min
 Lab File: BN030090.D
 Acq: 27 Feb 2024 14:08

Tgt Ion: 88 Resp: 16654

Ion	Ratio	Lower	Upper
88	100		
43	33.5	23.3	34.9
58	70.3	53.8	80.6





#4

2-Fluorophenol

Concen: 0.078 ng

RT: 5.428 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN030090.D

Acq: 27 Feb 2024 14:08

Instrument :

BNA_N

ClientSampleId :

RE115D2-20240222DL

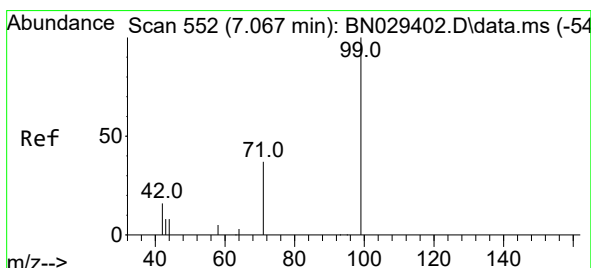
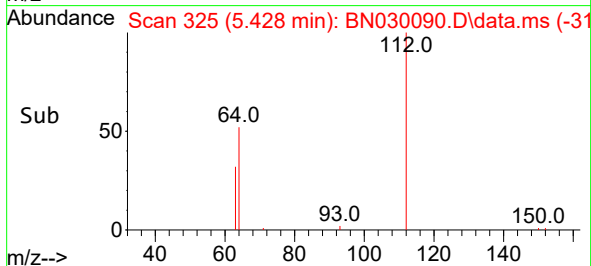
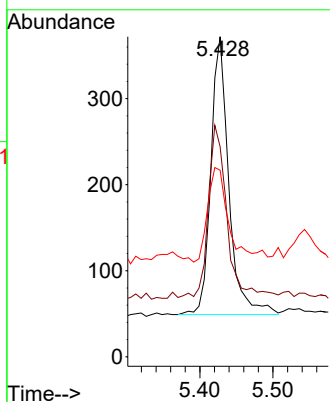
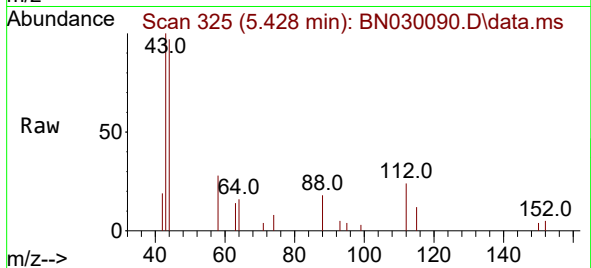
Tgt Ion:112 Resp: 551

Ion Ratio Lower Upper

112 100

64 60.8 47.2 70.8

63 40.8 25.8 38.6#



#5

Phenol-d6

Concen: 0.033 ng

RT: 7.024 min Scan# 546

Delta R.T. 0.000 min

Lab File: BN030090.D

Acq: 27 Feb 2024 14:08

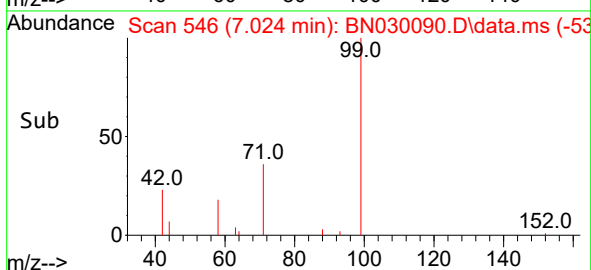
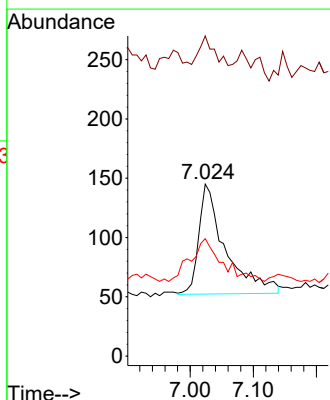
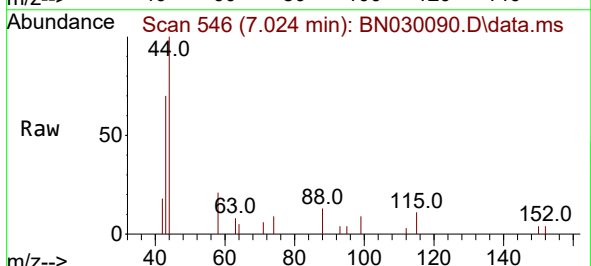
Tgt Ion: 99 Resp: 272

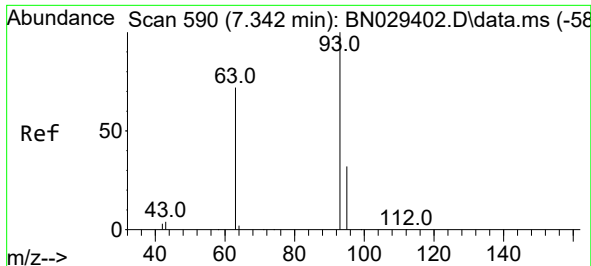
Ion Ratio Lower Upper

99 100

42 17.3 16.9 25.3

71 43.0 30.0 45.0

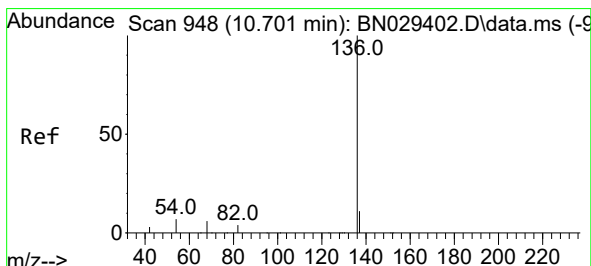
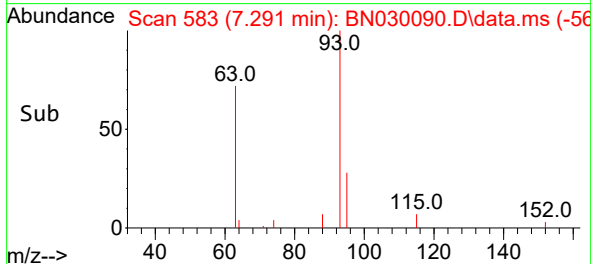
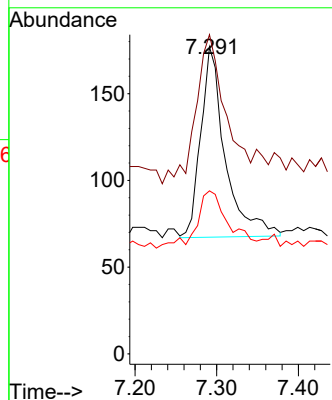
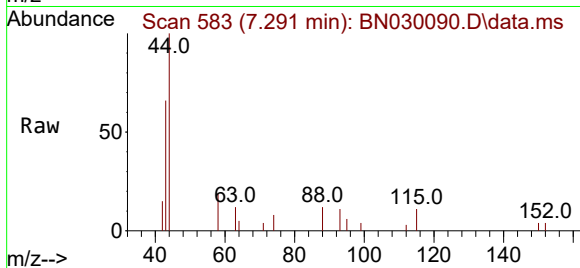




#6
bis(2-Chloroethyl)ether
Concen: 0.030 ng
RT: 7.291 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

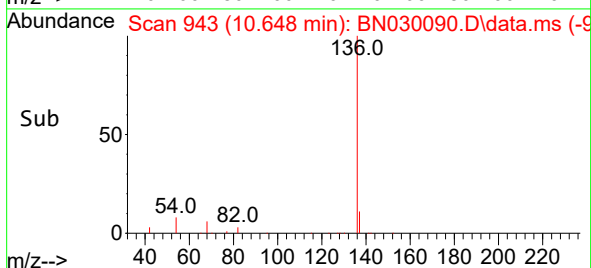
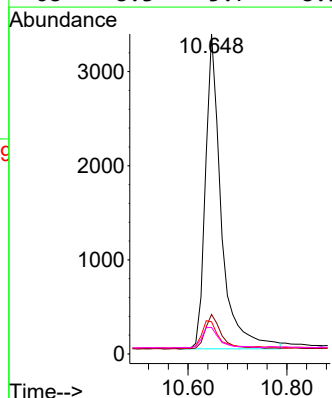
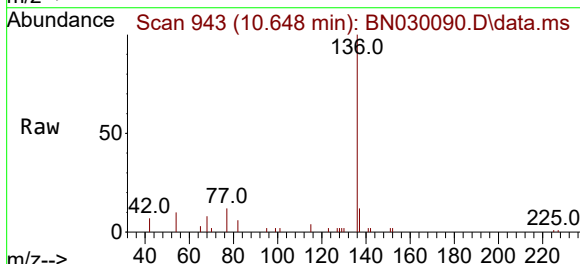
Instrument :
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RE115D2-20240222DL

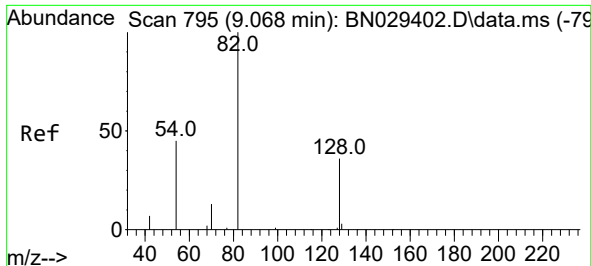
Tgt Ion: 93 Resp: 229
Ion Ratio Lower Upper
93 100
63 95.6 63.1 94.7#
95 38.9 27.1 40.7



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Tgt Ion: 136 Resp: 7458
Ion Ratio Lower Upper
136 100
137 12.4 9.7 14.5
54 10.0 6.6 10.0#
68 8.3 5.7 8.5

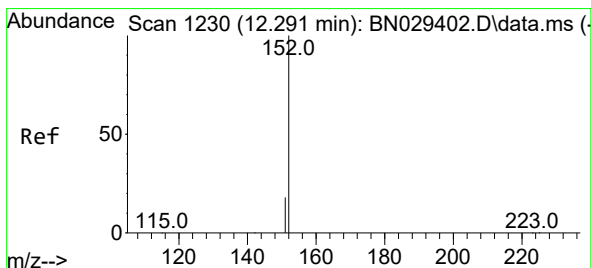
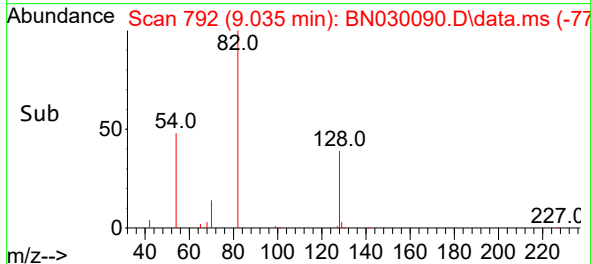
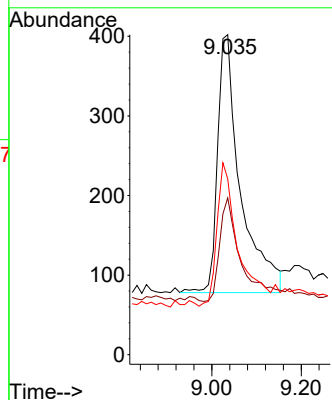
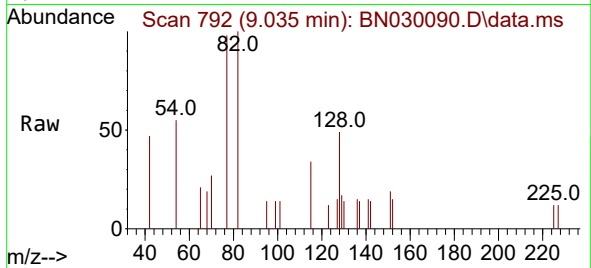




#8
Nitrobenzene-d5
Concen: 0.186 ng
RT: 9.035 min Scan# 795
Delta R.T. 0.021 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

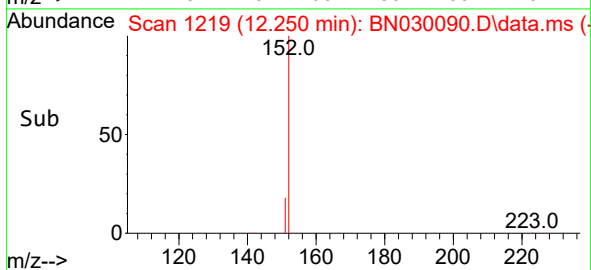
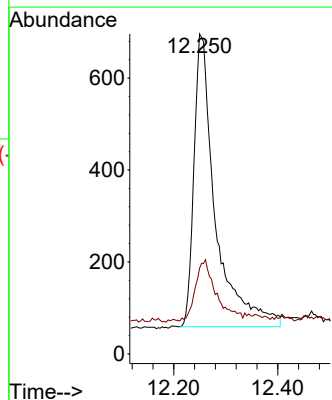
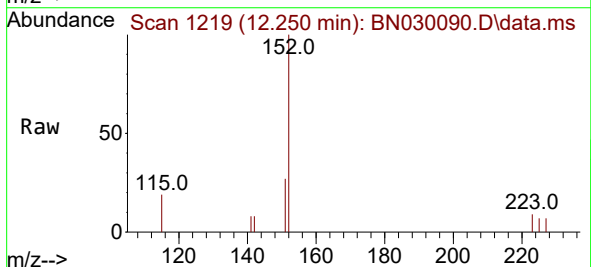
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL

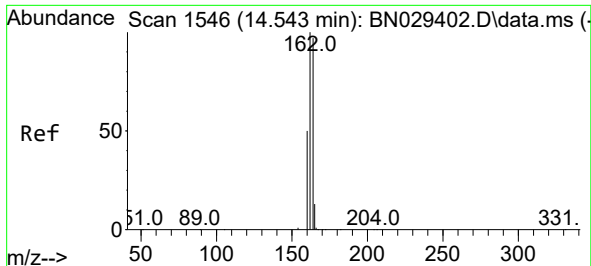
Tgt Ion: 82 Resp: 1155
Ion Ratio Lower Upper
82 100
128 49.0 31.6 47.4#
54 55.0 38.2 57.4



#11
2-Methylnaphthalene-d10
Concen: 0.180 ng
RT: 12.250 min Scan# 1219
Delta R.T. 0.004 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Tgt Ion: 152 Resp: 1826
Ion Ratio Lower Upper
152 100
151 19.9 17.1 25.7

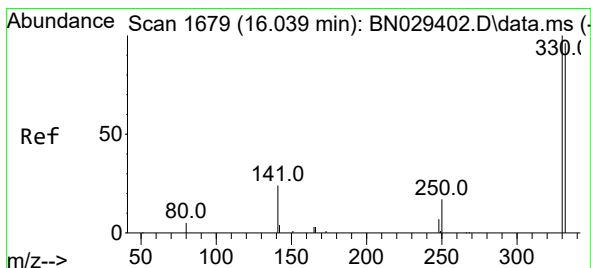
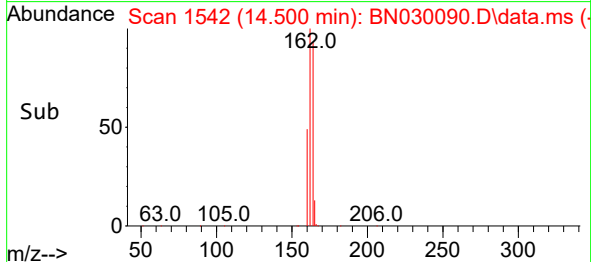
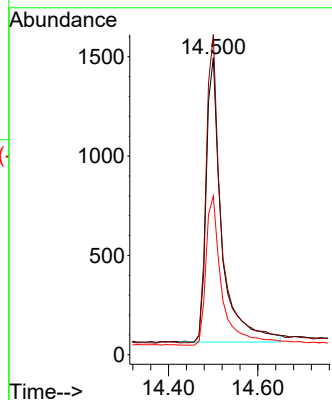
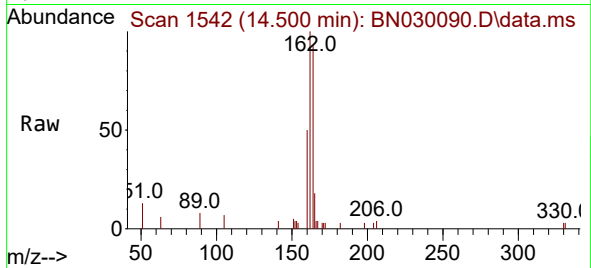




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.500 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

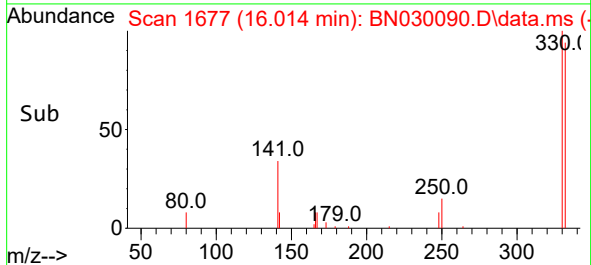
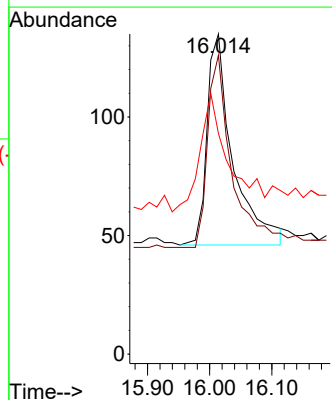
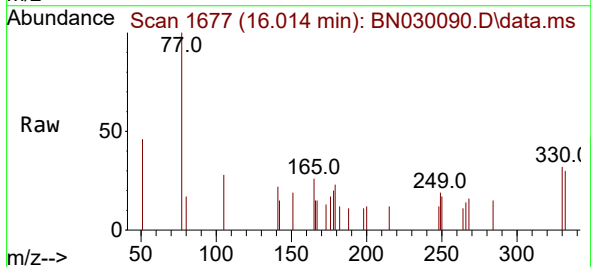
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RE115D2-20240222DL

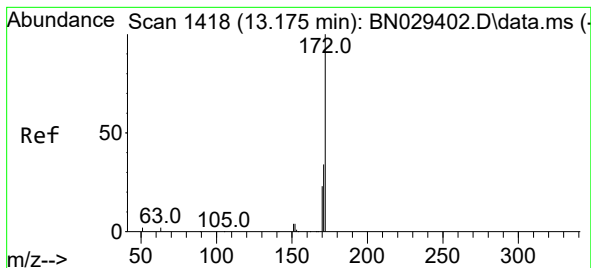
Tgt Ion:164 Resp: 3433
Ion Ratio Lower Upper
164 100
162 107.8 82.6 123.8
160 53.4 41.5 62.3



#14
2,4,6-Tribromophenol
Concen: 0.233 ng
RT: 16.014 min Scan# 1677
Delta R.T. 0.012 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Tgt Ion:330 Resp: 257
Ion Ratio Lower Upper
330 100
332 84.4 76.0 114.0
141 69.3 43.4 65.2#





#15

2-Fluorobiphenyl

Concen: 0.176 ng

RT: 13.132 min Scan# 1418

Delta R.T. 0.011 min

Lab File: BN030090.D

Acq: 27 Feb 2024 14:08

Instrument :

BNA_N

ClientSampleId :

RE115D2-20240222DL

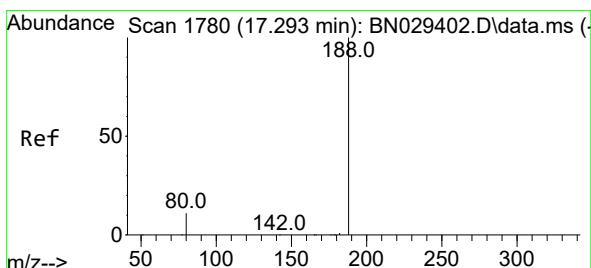
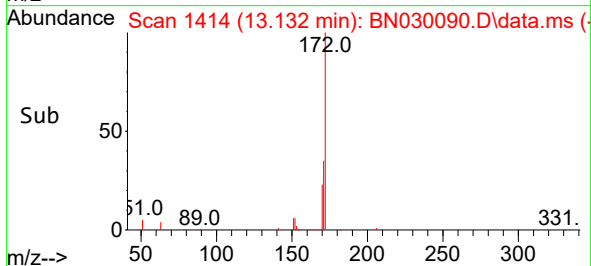
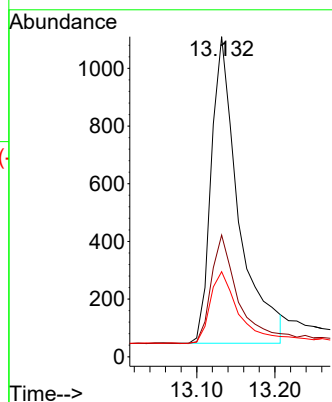
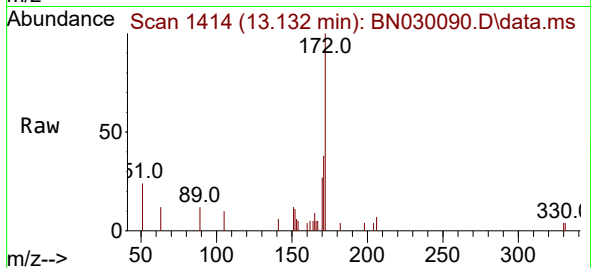
Tgt Ion:172 Resp: 2589

Ion Ratio Lower Upper

172 100

171 38.0 28.0 42.0

170 26.6 18.7 28.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.255 min Scan# 1777

Delta R.T. 0.000 min

Lab File: BN030090.D

Acq: 27 Feb 2024 14:08

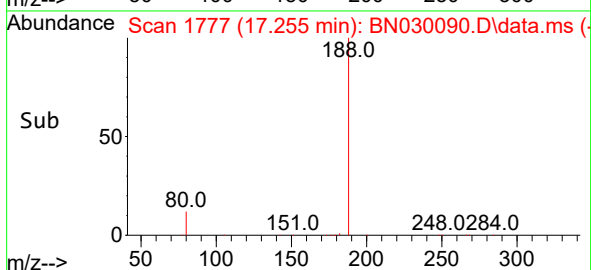
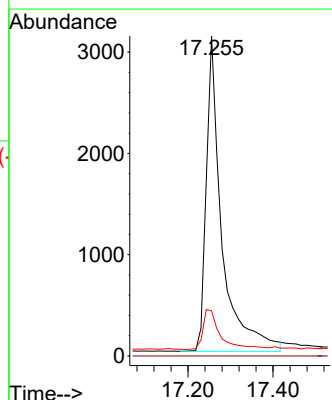
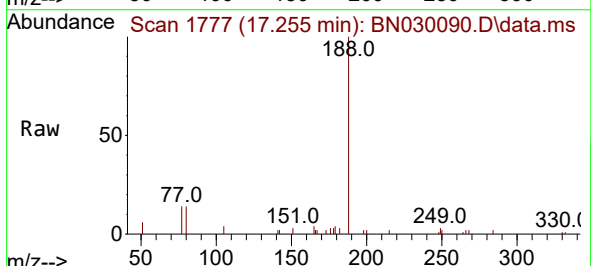
Tgt Ion:188 Resp: 7905

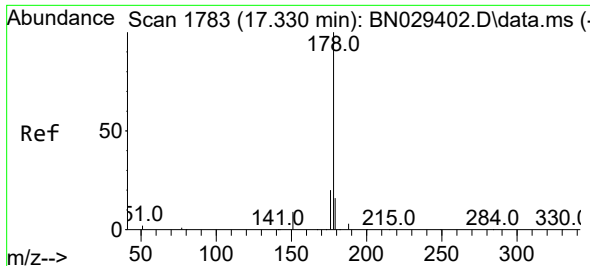
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.1 10.0 15.0

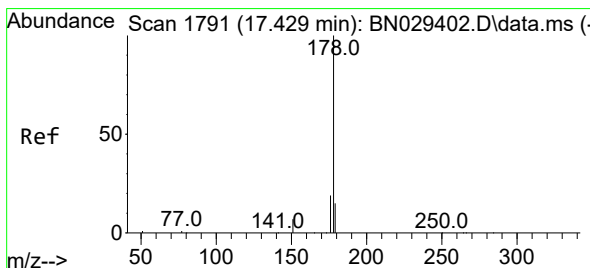
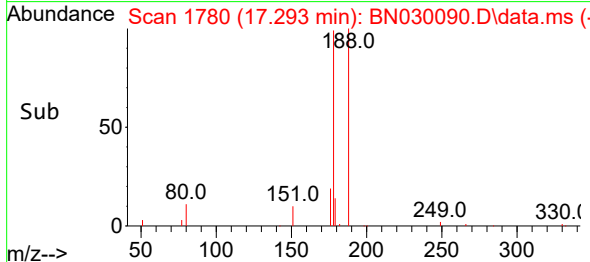
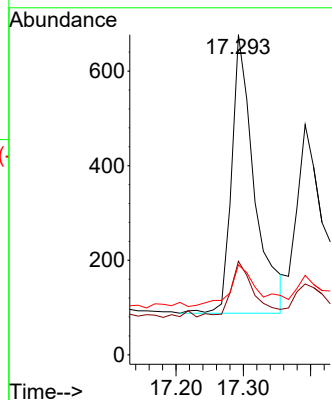
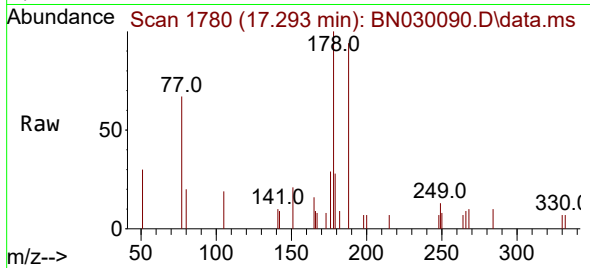




#25
Phenanthrene
Concen: 0.059 ng
RT: 17.293 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

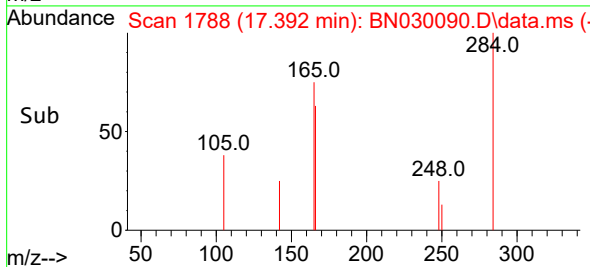
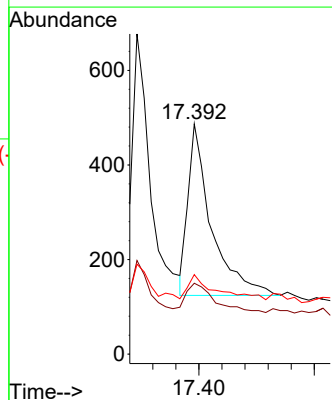
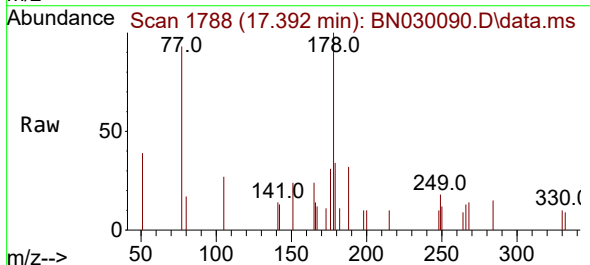
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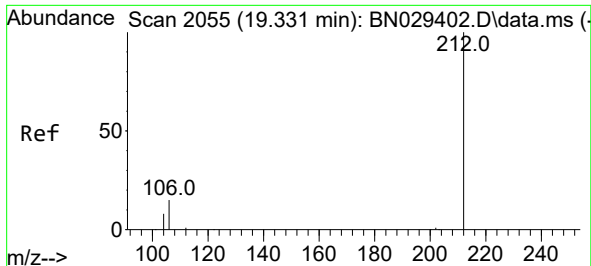
Tgt Ion:178 Resp: 1383
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 19.0 12.6 19.0#



#26
Anthracene
Concen: 0.051 ng
RT: 17.392 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Tgt Ion:178 Resp: 1020
Ion Ratio Lower Upper
178 100
176 21.0 15.0 22.4
179 16.6 12.3 18.5

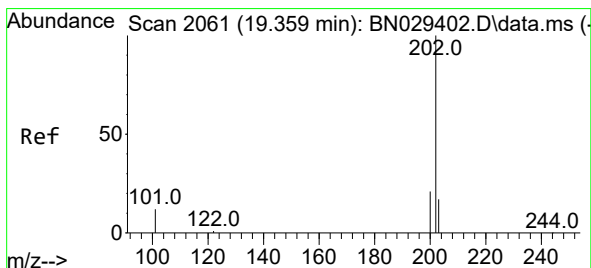
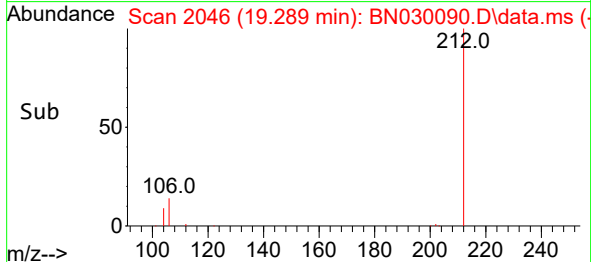
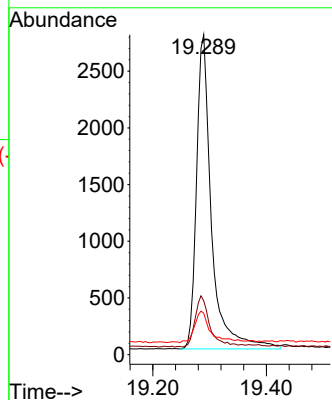
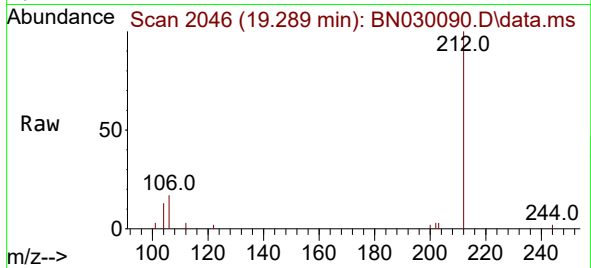




#27
Fluoranthene-d10
Concen: 0.264 ng
RT: 19.289 min Scan# 2046
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

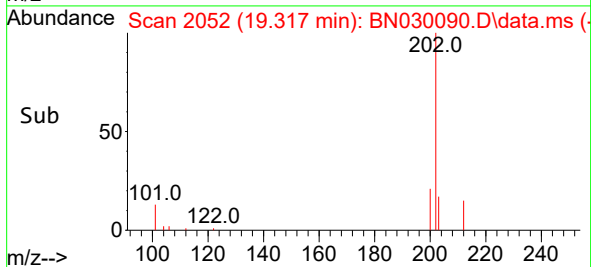
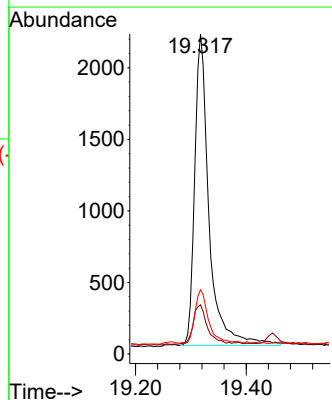
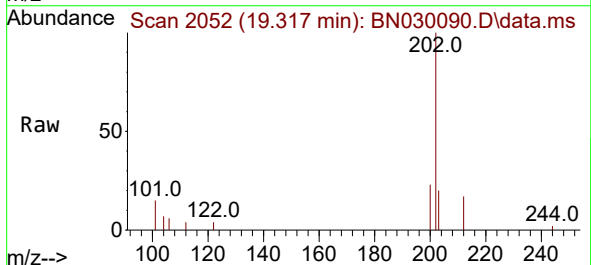
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL

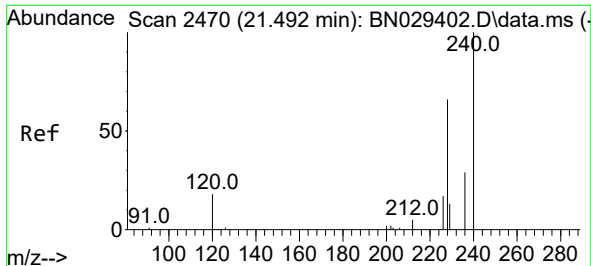
Tgt Ion:212 Resp: 5064
Ion Ratio Lower Upper
212 100
106 15.8 13.2 19.8
104 10.7 7.7 11.5



#28
Fluoranthene
Concen: 0.150 ng
RT: 19.317 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Tgt Ion:202 Resp: 3933
Ion Ratio Lower Upper
202 100
101 12.4 10.5 15.7
203 16.7 13.5 20.3

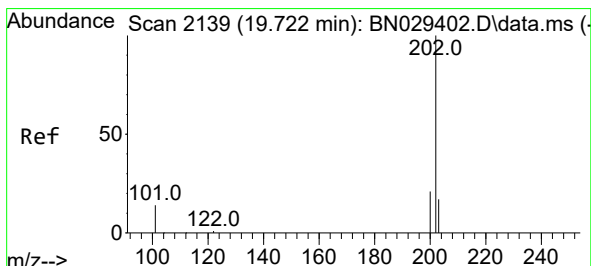
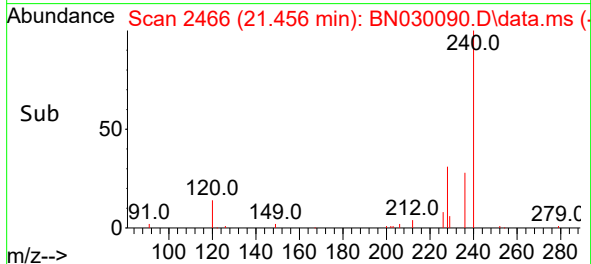
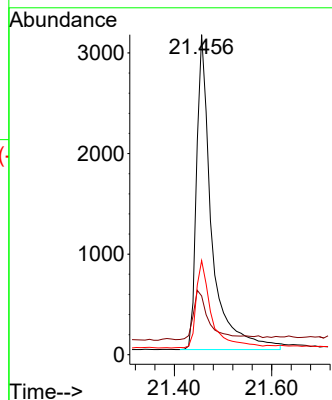
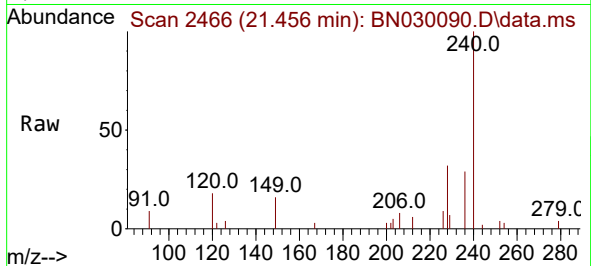




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.456 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

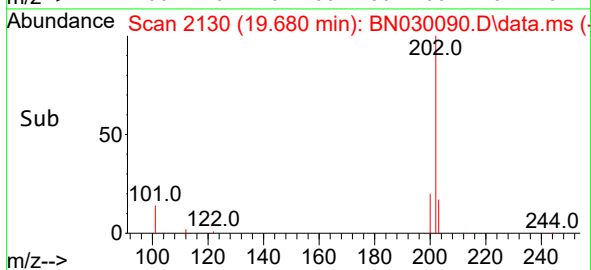
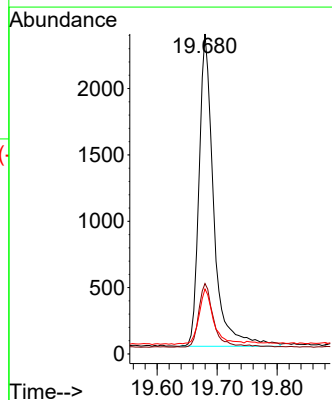
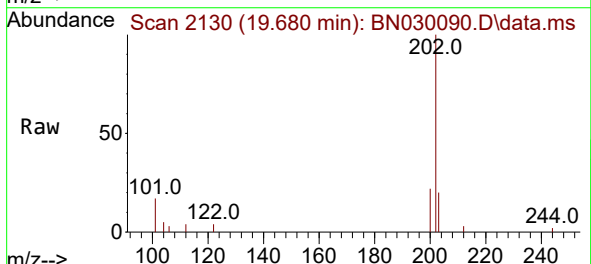
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL

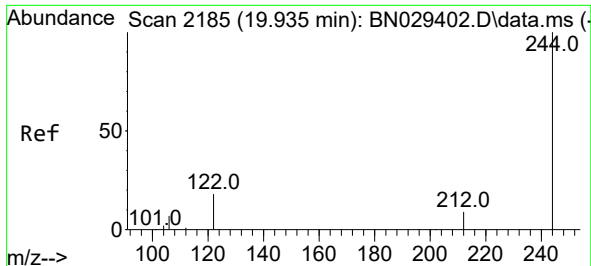
Tgt Ion:240 Resp: 6759
Ion Ratio Lower Upper
240 100
120 18.4 16.7 25.1
236 29.4 23.9 35.9



#30
Pyrene
Concen: 0.129 ng
RT: 19.680 min Scan# 2130
Delta R.T. -0.005 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Tgt Ion:202 Resp: 4003
Ion Ratio Lower Upper
202 100
200 20.3 16.6 25.0
203 17.6 14.2 21.4

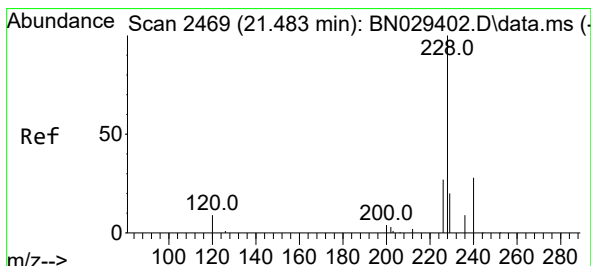
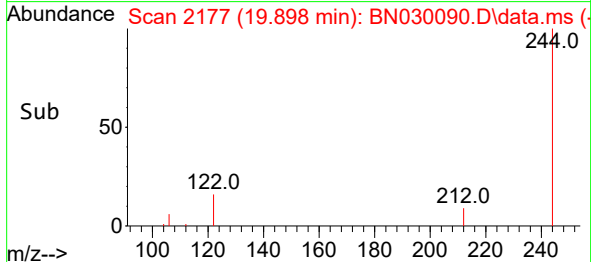
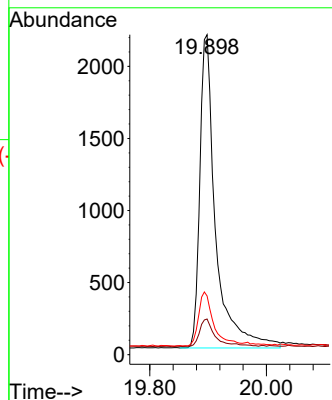
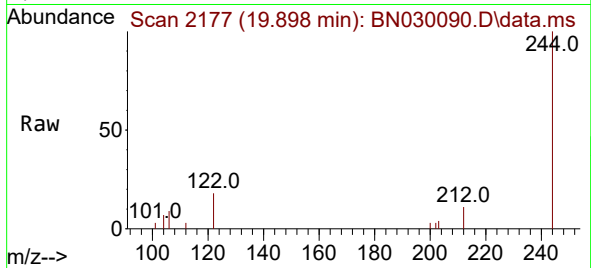




#31
Terphenyl-d14
Concen: 0.245 ng
RT: 19.898 min Scan# 2185
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

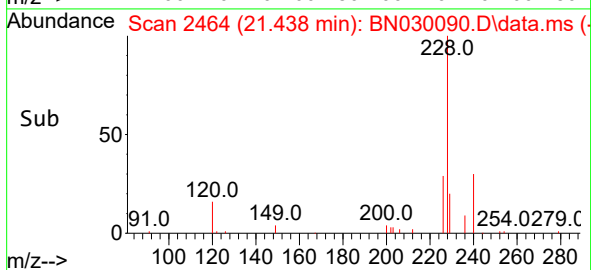
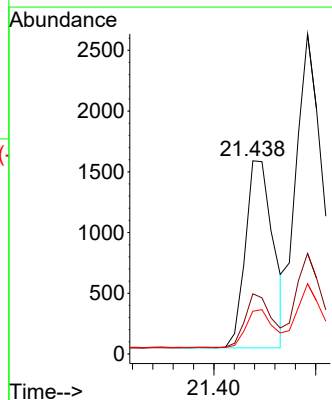
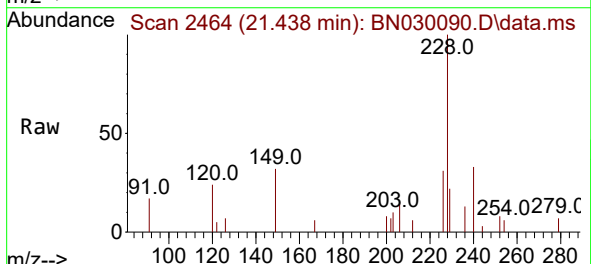
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL

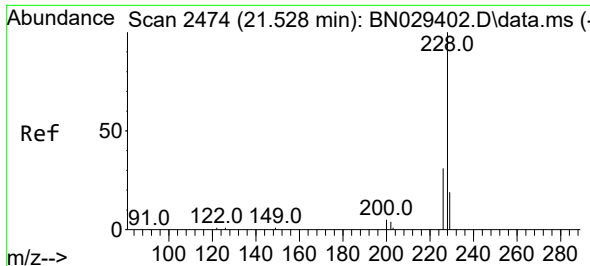
Tgt Ion:244 Resp: 4113
Ion Ratio Lower Upper
244 100
212 11.1 8.2 12.4
122 18.3 15.6 23.4



#32
Benzo(a)anthracene
Concen: 0.127 ng
RT: 21.438 min Scan# 2464
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Tgt Ion:228 Resp: 2929
Ion Ratio Lower Upper
228 100
226 31.2 22.2 33.4
229 22.1 16.5 24.7





#33

Chrysene

Concen: 0.190 ng

RT: 21.492 min Scan# 2470

Delta R.T. 0.000 min

Lab File: BN030090.D

Acq: 27 Feb 2024 14:08

Instrument :

BNA_N

ClientSampleId :

RE115D2-20240222DL

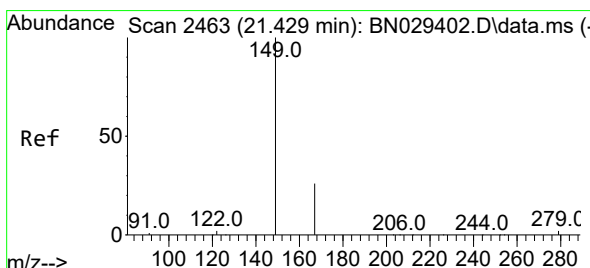
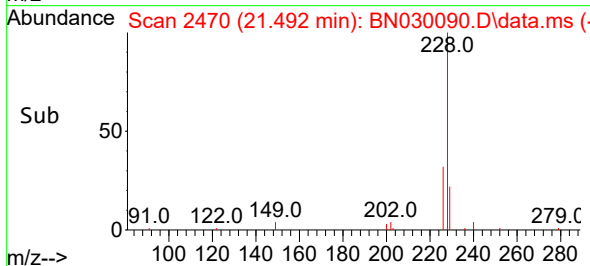
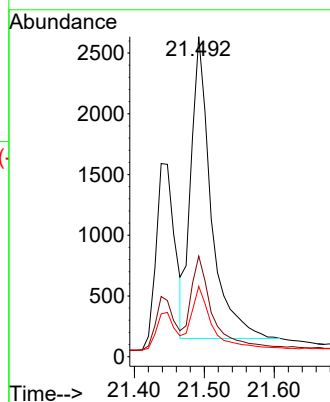
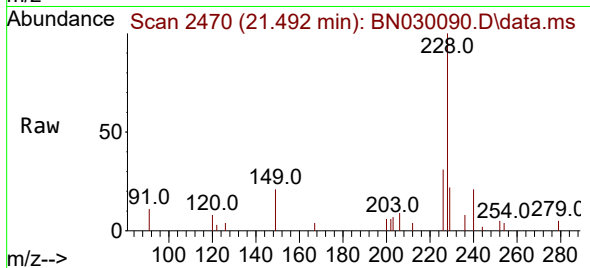
Tgt Ion:228 Resp: 4979

Ion Ratio Lower Upper

228 100

226 31.5 24.9 37.3

229 22.0 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.031 ng

RT: 21.376 min Scan# 2457

Delta R.T. -0.009 min

Lab File: BN030090.D

Acq: 27 Feb 2024 14:08

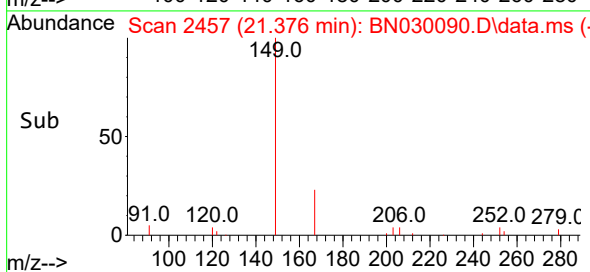
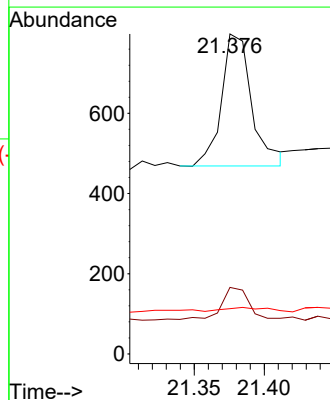
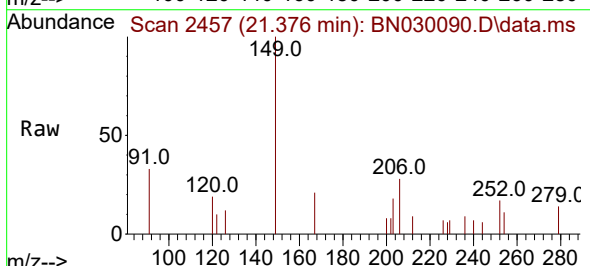
Tgt Ion:149 Resp: 495

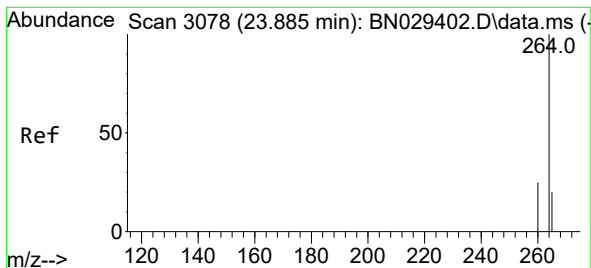
Ion Ratio Lower Upper

149 100

167 22.6 20.1 30.1

279 4.6 2.5 3.7#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.821 min Scan# 3078

Delta R.T. 0.000 min

Lab File: BN030090.D

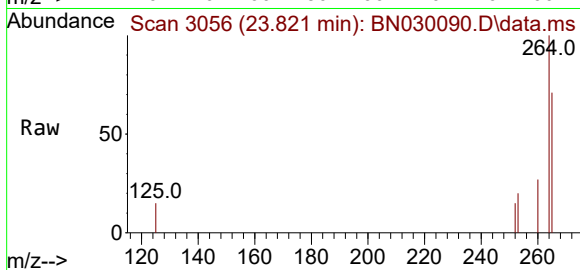
Acq: 27 Feb 2024 14:08

Instrument :

BNA_N

ClientSampleId :

RE115D2-20240222DL



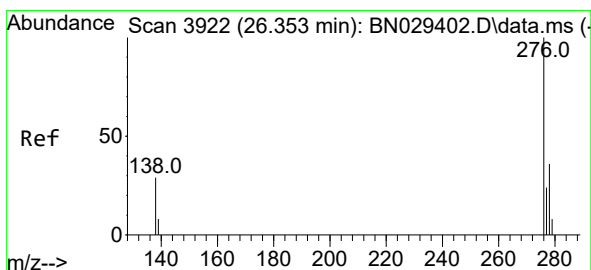
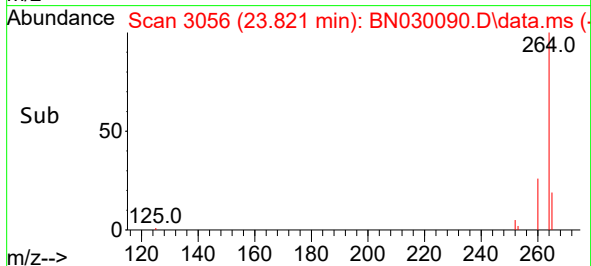
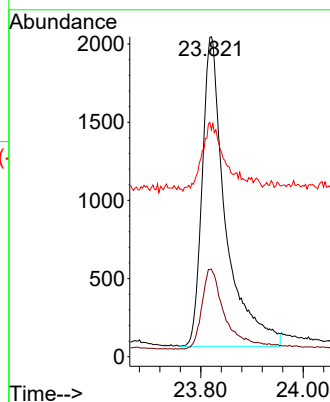
Tgt Ion:264 Resp: 6288

Ion Ratio Lower Upper

264 100

260 27.4 21.2 31.8

265 70.9 41.5 62.3#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.156 ng

RT: 26.285 min Scan# 3899

Delta R.T. 0.018 min

Lab File: BN030090.D

Acq: 27 Feb 2024 14:08

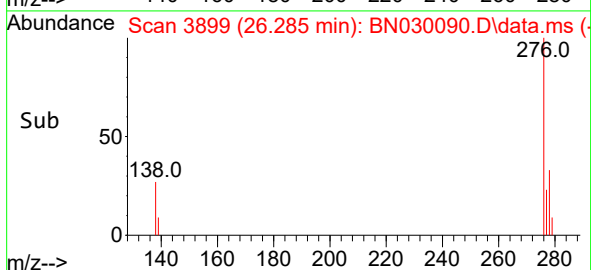
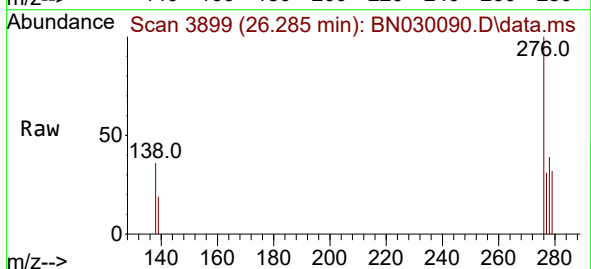
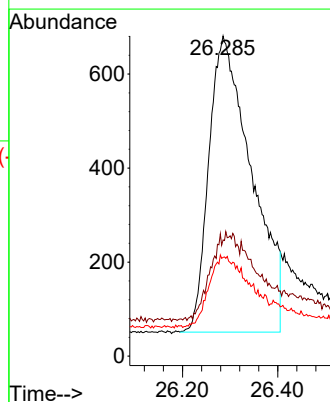
Tgt Ion:276 Resp: 3934

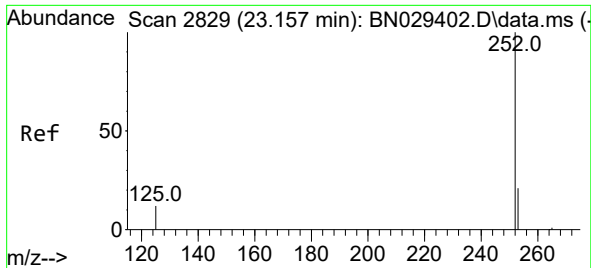
Ion Ratio Lower Upper

276 100

138 8.5 20.5 30.7#

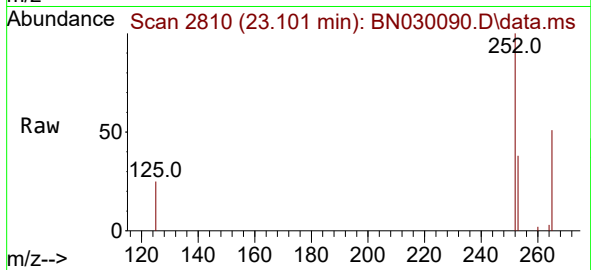
277 8.3 17.0 25.4#



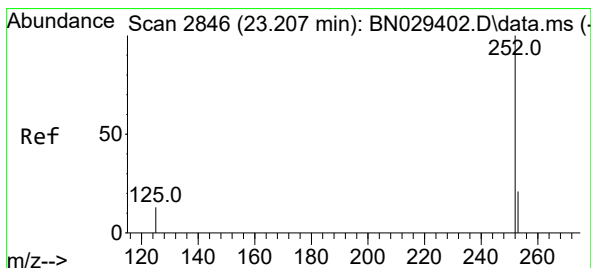
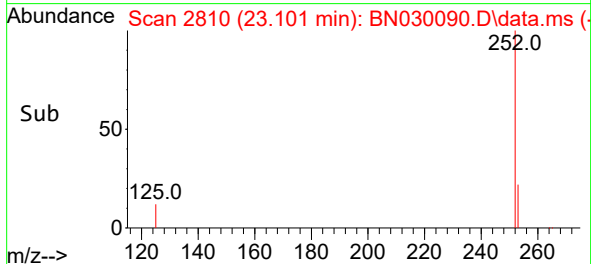
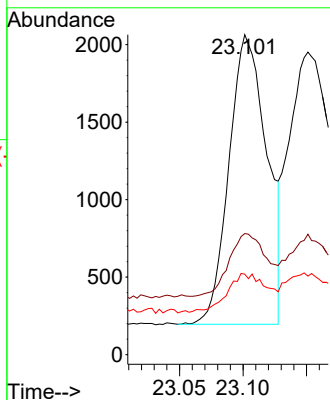


#37
Benzo(b)fluoranthene
Concen: 0.172 ng
RT: 23.101 min Scan# 2810
Delta R.T. 0.003 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL

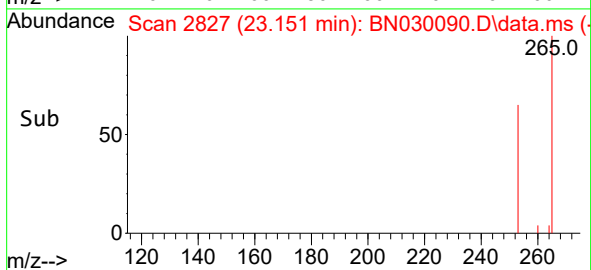
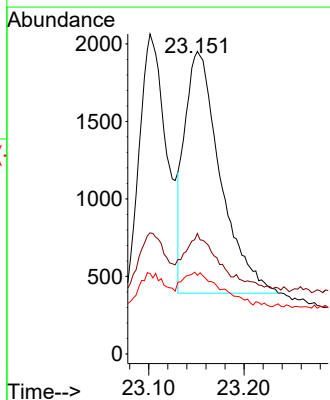
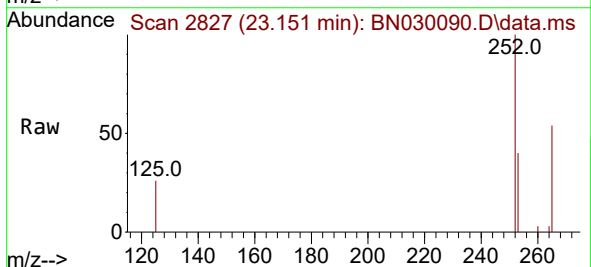


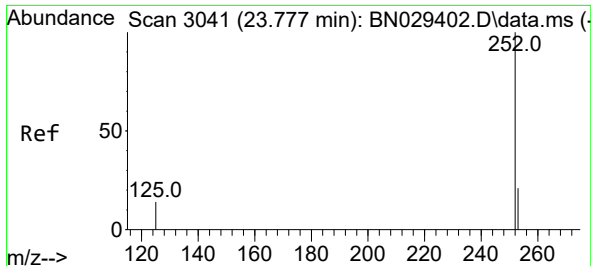
Tgt Ion:252 Resp: 3856
Ion Ratio Lower Upper
252 100
253 37.8 21.7 32.5#
125 25.1 13.3 19.9#



#38
Benzo(k)fluoranthene
Concen: 0.172 ng
RT: 23.151 min Scan# 2827
Delta R.T. 0.003 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

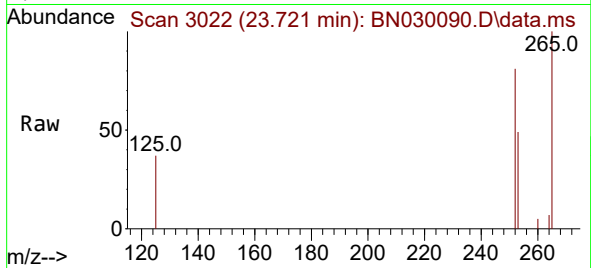
Tgt Ion:252 Resp: 4045
Ion Ratio Lower Upper
252 100
253 39.8 21.8 32.8#
125 26.0 13.9 20.9#



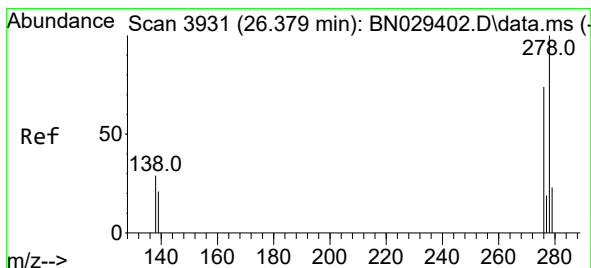
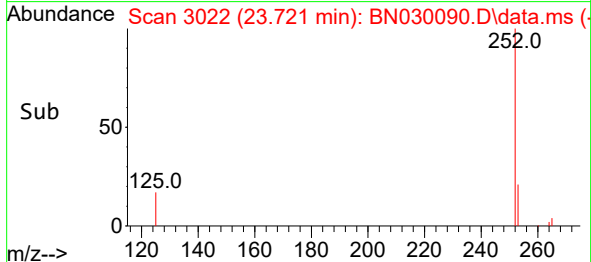
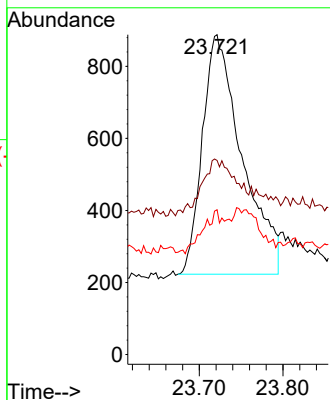


#39
Benzo(a)pyrene
Concen: 0.112 ng
RT: 23.721 min Scan# 3041
Delta R.T. 0.006 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL

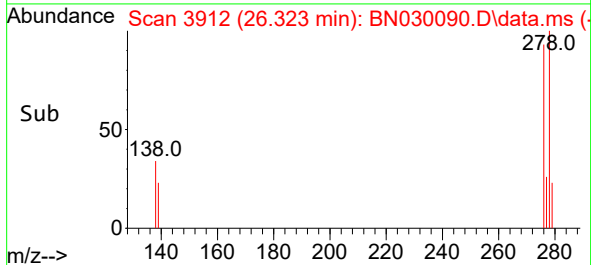
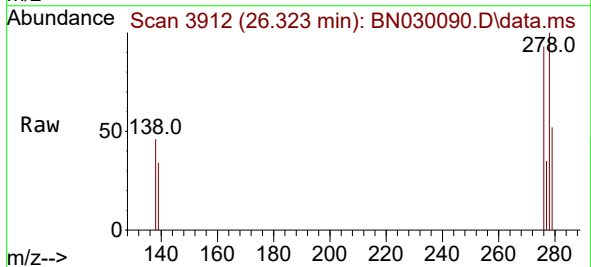
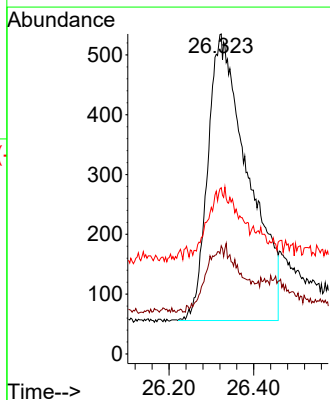


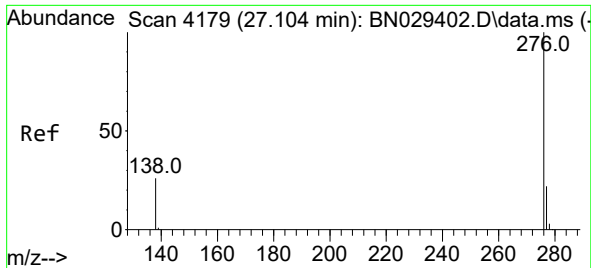
Tgt Ion:252 Resp: 2194
Ion Ratio Lower Upper
252 100
253 60.7 24.9 37.3#
125 45.3 16.6 25.0#



#40
Dibenzo(a,h)anthracene
Concen: 0.156 ng
RT: 26.323 min Scan# 3912
Delta R.T. 0.021 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

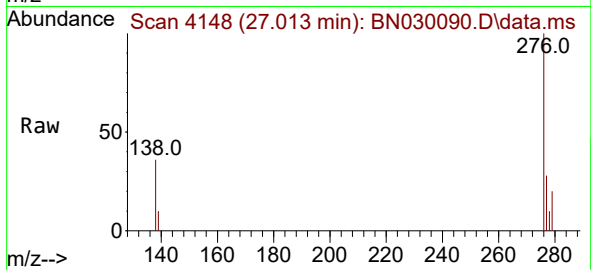
Tgt Ion:278 Resp: 3144
Ion Ratio Lower Upper
278 100
139 33.8 20.4 30.6#
279 52.0 25.0 37.6#





#41
Benzo(g,h,i)perylene
Concen: 0.159 ng
RT: 27.013 min Scan# 41
Delta R.T. 0.006 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion:276 Resp: 3904
Ion Ratio Lower Upper
276 100
277 28.5 19.4 29.2
138 35.8 23.5 35.3#

