

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022424\
 Data File : BN030035.D
 Acq On : 25 Feb 2024 19:07
 Operator : MA/JU
 Sample : P1533-11
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE117D1-20240219

Quant Time: Feb 26 02:52:34 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)

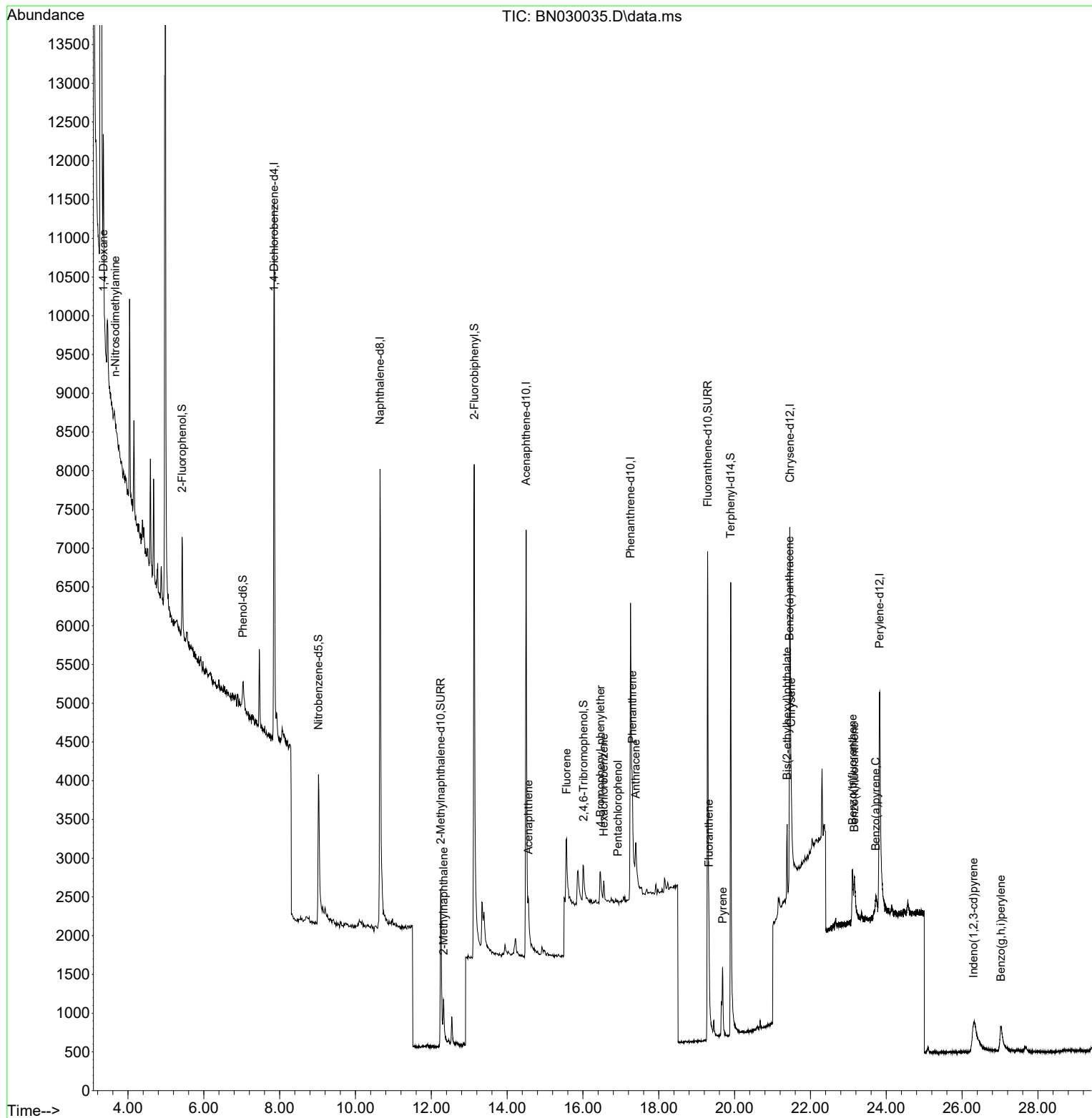
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	3768	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	9788	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	4341	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	9096	0.400	ng	# 0.00
29) Chrysene-d12	21.456	240	6803	0.400	ng	0.00
35) Perylene-d12	23.823	264	6367	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	1085	0.120	ng	0.00
5) Phenol-d6	7.031	99	617	0.059	ng	0.00
8) Nitrobenzene-d5	9.025	82	2738	0.336	ng	0.01
11) 2-Methylnaphthalene-d10	12.250	152	4227	0.317	ng	0.00
14) 2,4,6-Tribromophenol	16.014	330	505	0.363	ng	0.01
15) 2-Fluorobiphenyl	13.132	172	8127	0.436	ng	0.01
27) Fluoranthene-d10	19.289	212	9710	0.441	ng	0.00
31) Terphenyl-d14	19.898	244	8076	0.478	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.355	88	1426	0.269	ng	# 58
3) n-Nitrosodimethylamine	3.665	42	101	0.023	ng	# 1
12) 2-Methylnaphthalene	12.321	142	476	0.029	ng	# 72
17) Acenaphthene	14.564	154	278	0.020	ng	94
18) Fluorene	15.567	166	889	0.051	ng	99
21) 4-Bromophenyl-phenylether	16.461	248	261	0.048	ng	85
22) Hexachlorobenzene	16.548	284	212	0.032	ng	# 85
24) Pentachlorophenol	16.920	266	57	0.027	ng	# 46
25) Phenanthrene	17.305	178	1451	0.054	ng	97
26) Anthracene	17.392	178	974	0.042	ng	96
28) Fluoranthene	19.322	202	1084	0.036	ng	# 94
30) Pyrene	19.684	202	933	0.030	ng	98
32) Benzo(a)anthracene	21.447	228	632	0.027	ng	# 79
33) Chrysene	21.492	228	670	0.025	ng	# 77
34) Bis(2-ethylhexyl)phtha...	21.384	149	1047	0.066	ng	98
36) Indeno(1,2,3-cd)pyrene	26.303	276	1128	0.044	ng	# 64
37) Benzo(b)fluoranthene	23.110	252	1089	0.048	ng	# 21
38) Benzo(k)fluoranthene	23.157	252	757	0.032	ng	# 12
39) Benzo(a)pyrene	23.727	252	489	0.025	ng	# 1
41) Benzo(g,h,i)perylene	27.022	276	1105	0.045	ng	# 58

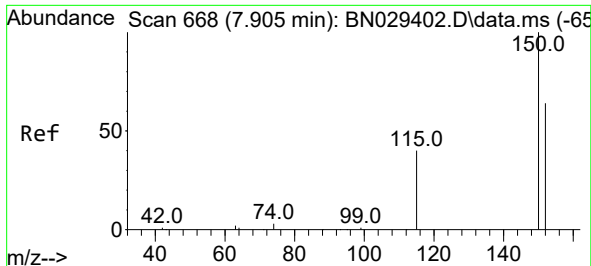
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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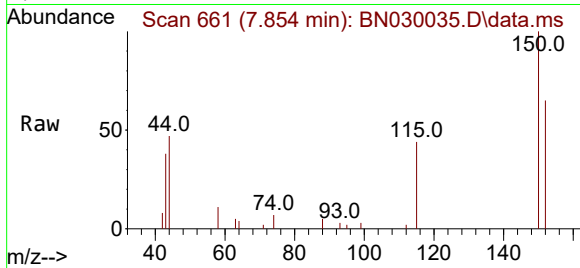
Quant Time: Feb 26 02:52:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 02:39:45 2024
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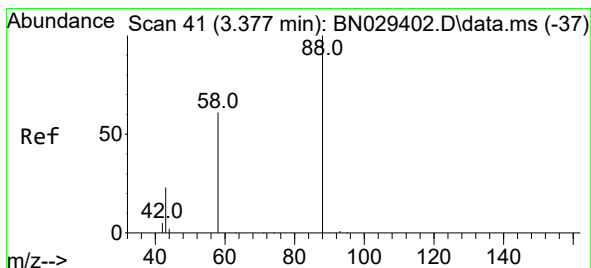
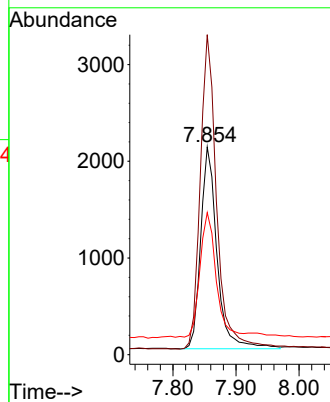
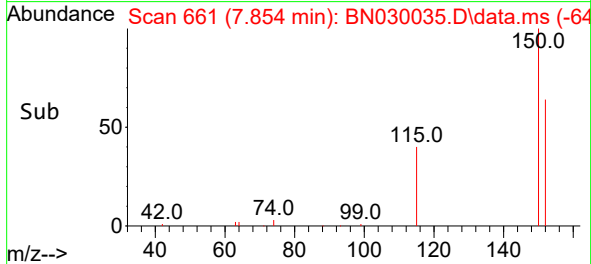


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.854 min Scan# 668
 Delta R.T. 0.000 min
 Lab File: BN030035.D
 Acq: 25 Feb 2024 19:07

Instrument :
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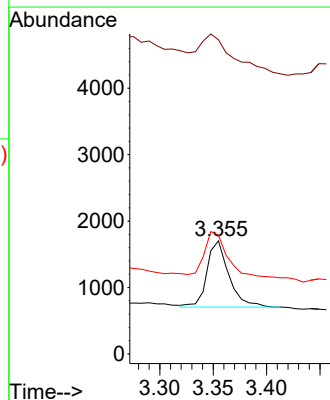
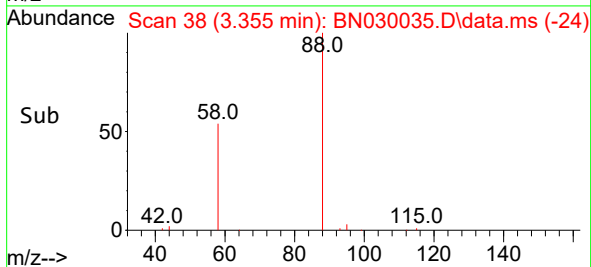
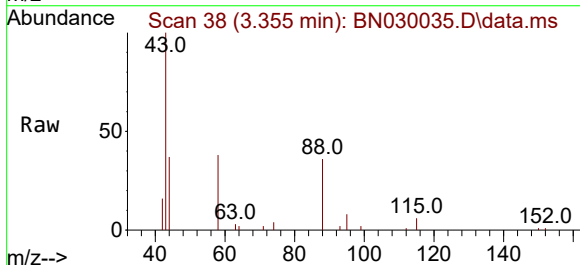


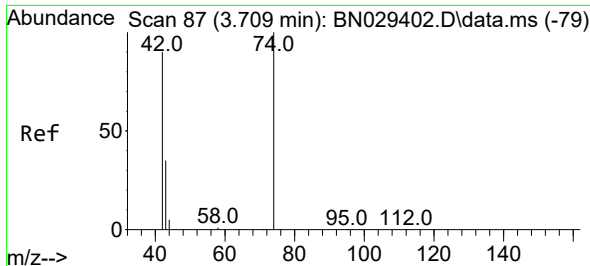
Tgt Ion:152 Resp: 3768
 Ion Ratio Lower Upper
 152 100
 150 154.1 123.0 184.4
 115 68.4 51.4 77.0



#2
 1,4-Dioxane
 Concen: 0.269 ng
 RT: 3.355 min Scan# 38
 Delta R.T. 0.000 min
 Lab File: BN030035.D
 Acq: 25 Feb 2024 19:07

Tgt Ion: 88 Resp: 1426
 Ion Ratio Lower Upper
 88 100
 43 92.8 23.3 34.9#
 58 73.6 53.8 80.6

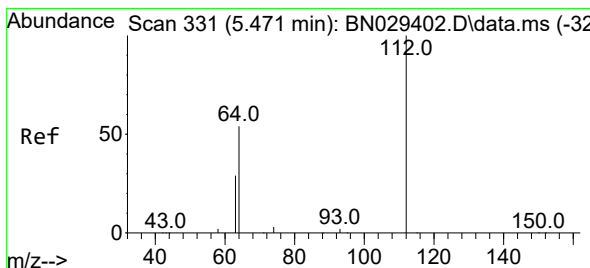
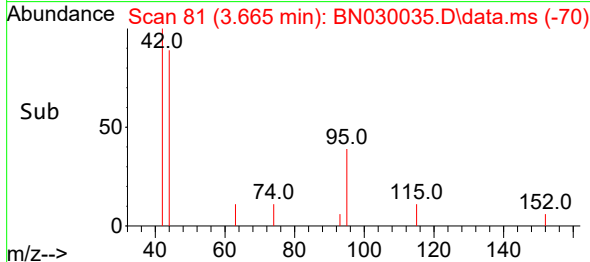
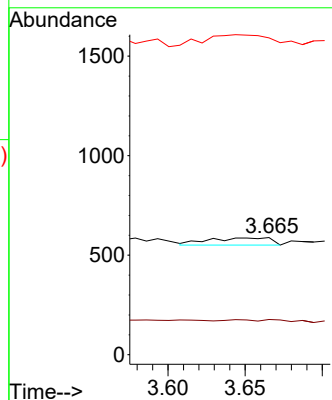
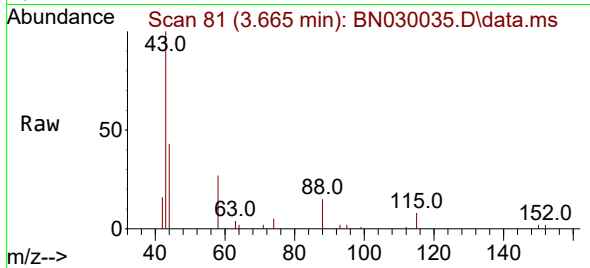




#3
n-Nitrosodimethylamine
Concen: 0.023 ng
RT: 3.665 min Scan# 81
Delta R.T. -0.022 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

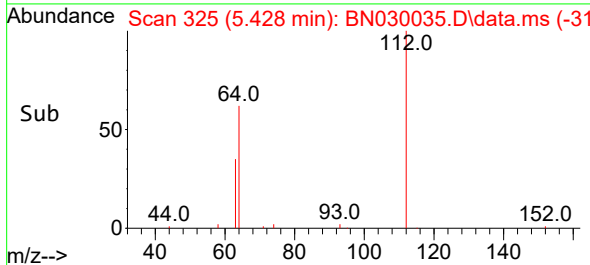
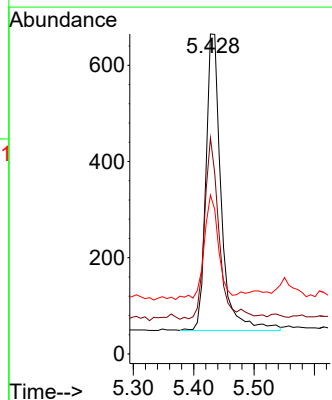
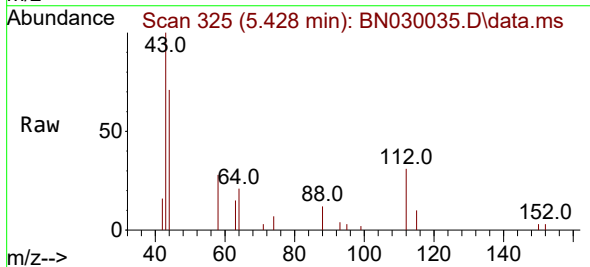
Instrument :
BNA_N
ClientSampleId :
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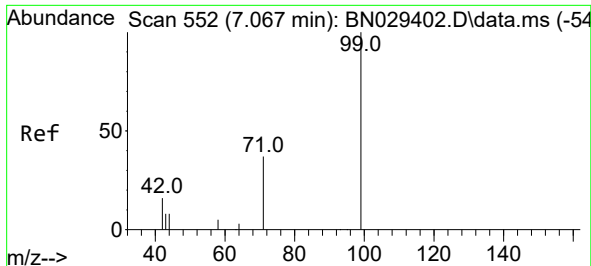
Tgt Ion: 42 Resp: 101
Ion Ratio Lower Upper
42 100
74 0.0 93.7 140.5#
44 0.0 13.0 19.4#



#4
2-Fluorophenol
Concen: 0.120 ng
RT: 5.428 min Scan# 325
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

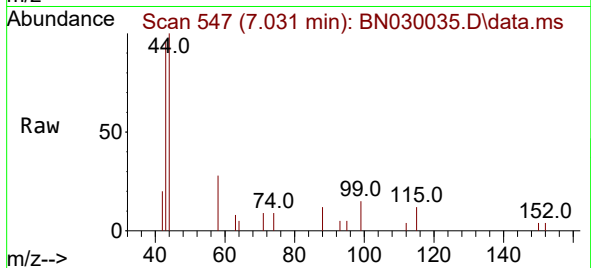
Tgt Ion: 112 Resp: 1085
Ion Ratio Lower Upper
112 100
64 57.5 47.2 70.8
63 33.6 25.8 38.6



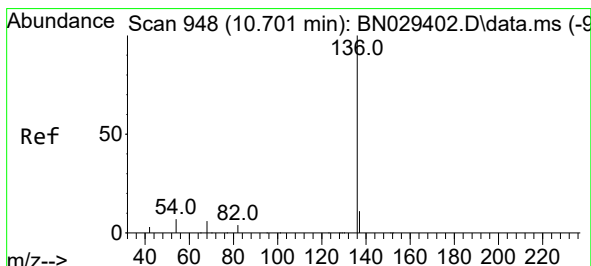
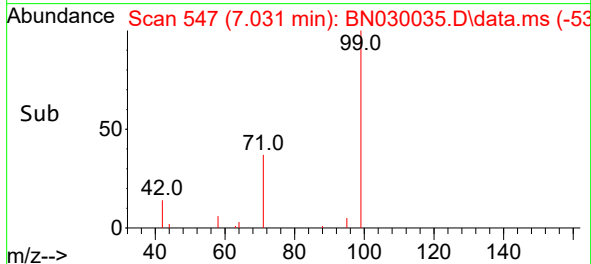
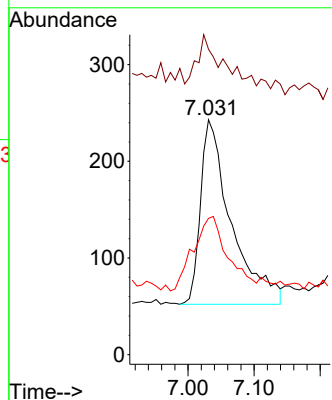


#5
Phenol-d6
Concen: 0.059 ng
RT: 7.031 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219

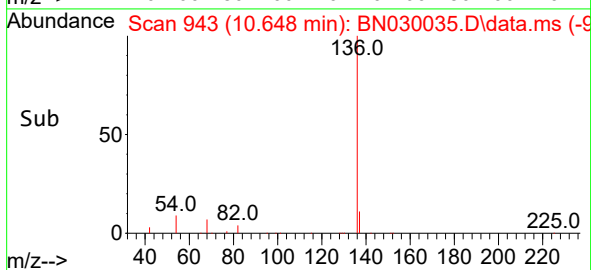
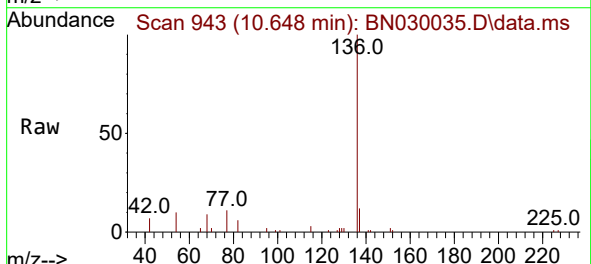
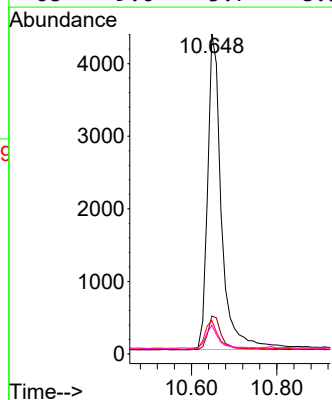


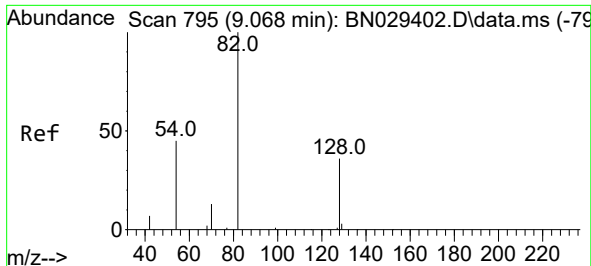
Tgt Ion: 99 Resp: 617
Ion Ratio Lower Upper
99 100
42 25.8 16.9 25.3#
71 45.4 30.0 45.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Tgt Ion: 136 Resp: 9788
Ion Ratio Lower Upper
136 100
137 11.8 9.7 14.5
54 10.5 6.6 10.0#
68 9.0 5.7 8.5#

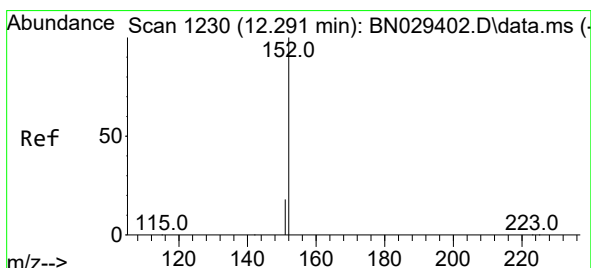
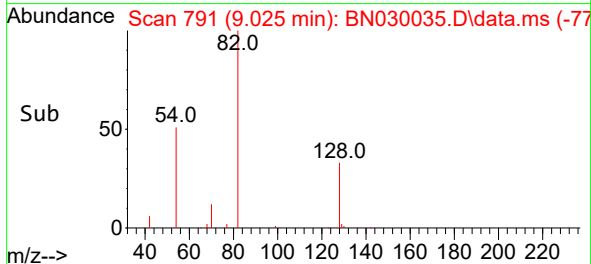
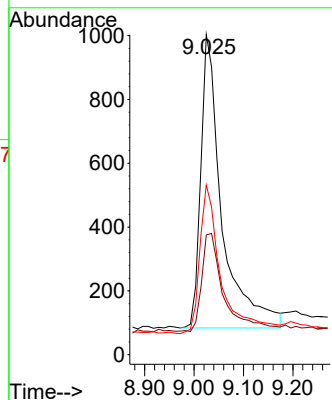
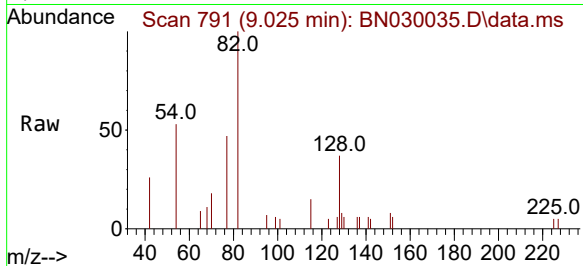




#8
Nitrobenzene-d5
Concen: 0.336 ng
RT: 9.025 min Scan# 795
Delta R.T. 0.011 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

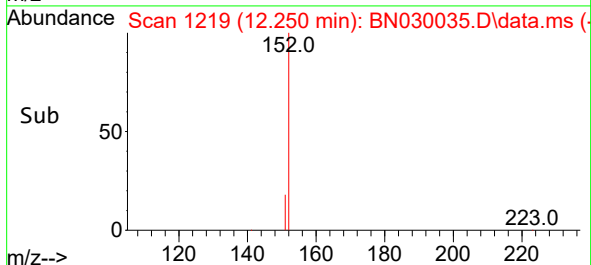
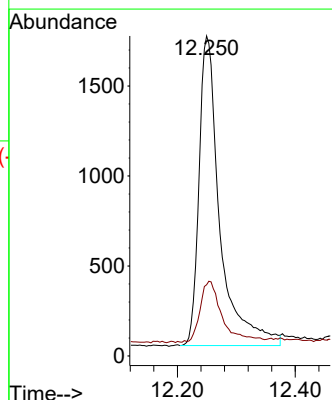
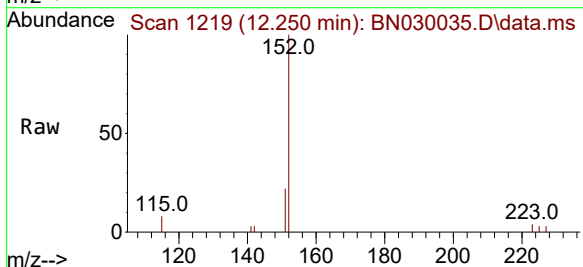
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BNA_N
ClientSampleId :
RE117D1-20240219

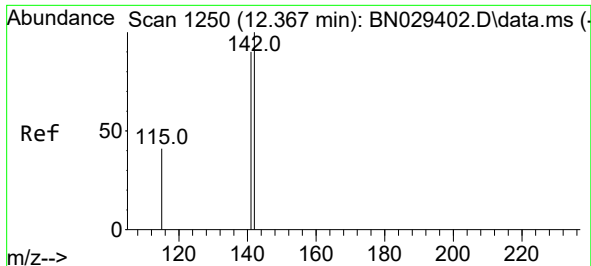
Tgt Ion:	82	Resp:	2738
Ion	Ratio	Lower	Upper
82	100		
128	37.4	31.6	47.4
54	53.0	38.2	57.4



#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 12.250 min Scan# 1219
Delta R.T. 0.004 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Tgt Ion:	152	Resp:	4227
Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.1	25.7

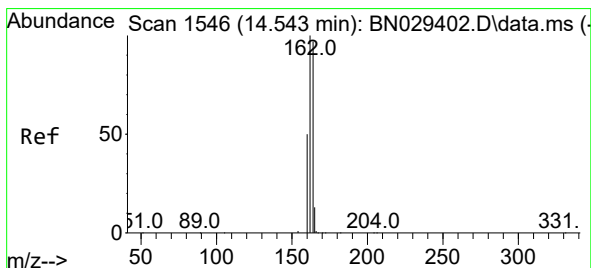
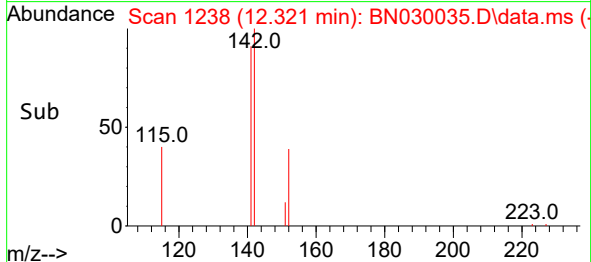
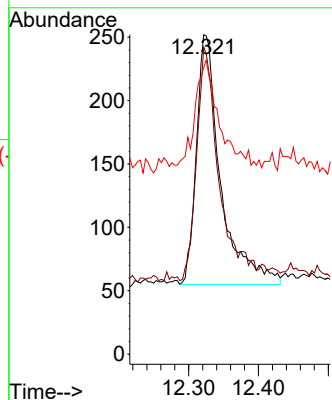
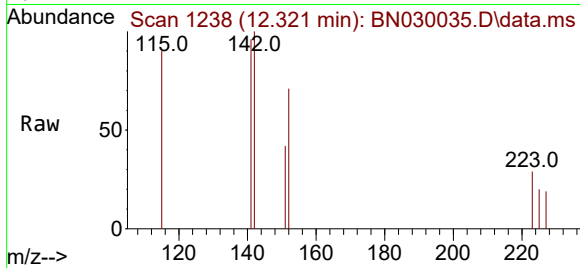




#12
2-Methylnaphthalene
Concen: 0.029 ng
RT: 12.321 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

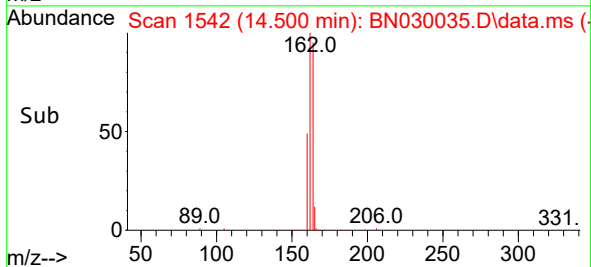
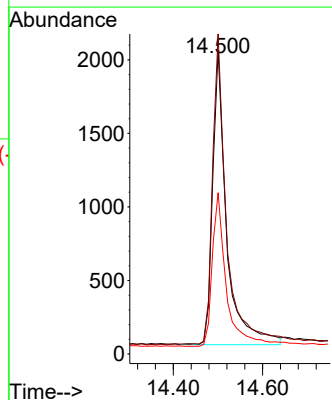
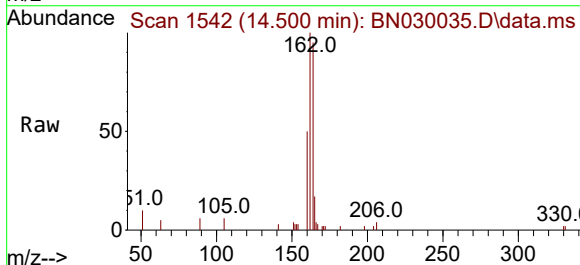
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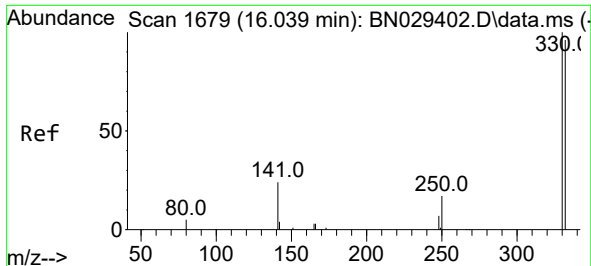
Tgt Ion:142 Resp: 476
Ion Ratio Lower Upper
142 100
141 96.0 71.9 107.9
115 89.7 33.9 50.9#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.500 min Scan# 1542
Delta R.T. 0.011 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Tgt Ion:164 Resp: 4341
Ion Ratio Lower Upper
164 100
162 105.5 82.6 123.8
160 53.2 41.5 62.3

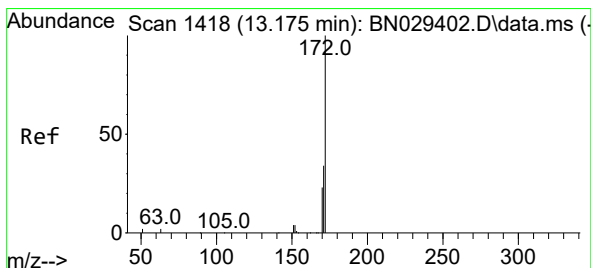
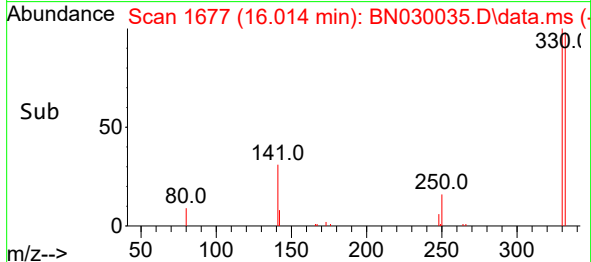
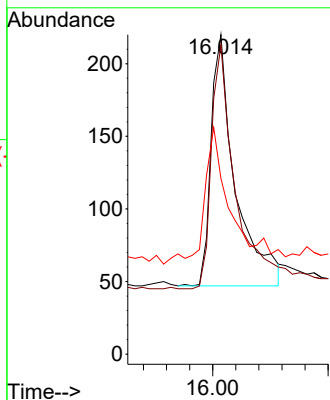
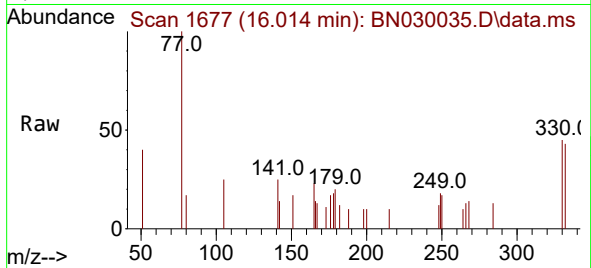




#14
2,4,6-Tribromophenol
Concen: 0.363 ng
RT: 16.014 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

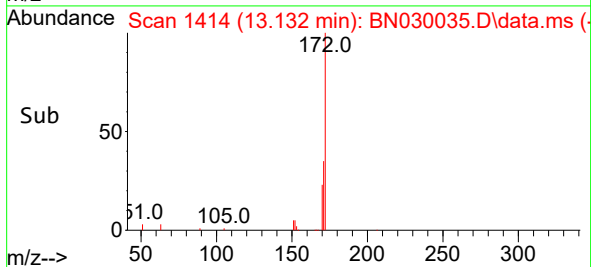
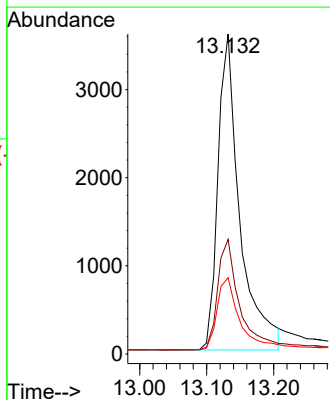
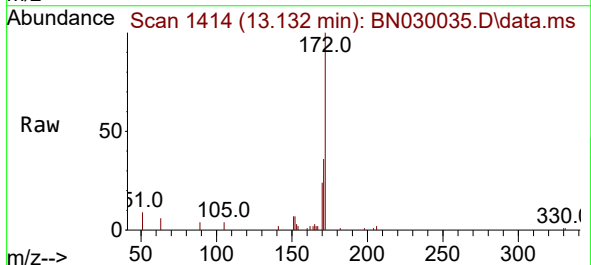
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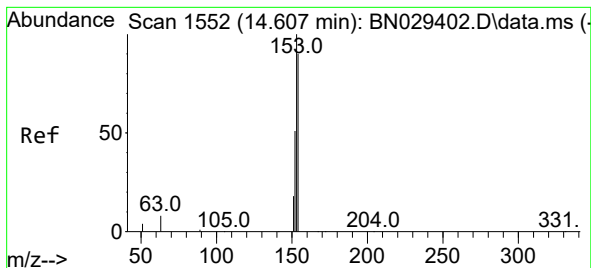
Tgt Ion:330 Resp: 505
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 47.7 43.4 65.2



#15
2-Fluorobiphenyl
Concen: 0.436 ng
RT: 13.132 min Scan# 1414
Delta R.T. 0.011 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Tgt Ion:172 Resp: 8127
Ion Ratio Lower Upper
172 100
171 35.8 28.0 42.0
170 23.9 18.7 28.1





#17

Acenaphthene

Concen: 0.020 ng

RT: 14.564 min Scan# 1548

Delta R.T. 0.011 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

Instrument :

BNA_N

ClientSampleId :

RE117D1-20240219

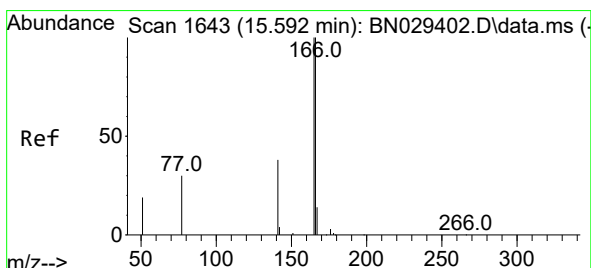
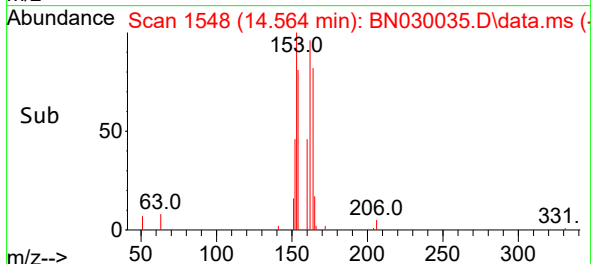
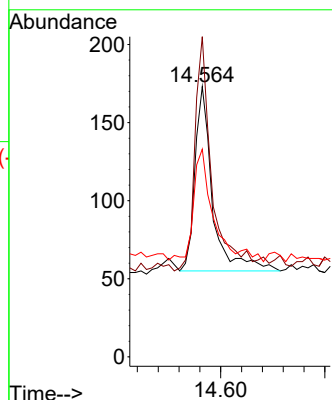
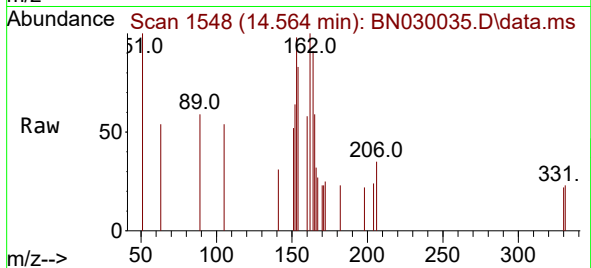
Tgt Ion:154 Resp: 278

Ion Ratio Lower Upper

154 100

153 123.7 93.6 140.4

152 55.8 48.6 73.0



#18

Fluorene

Concen: 0.051 ng

RT: 15.567 min Scan# 1641

Delta R.T. 0.025 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

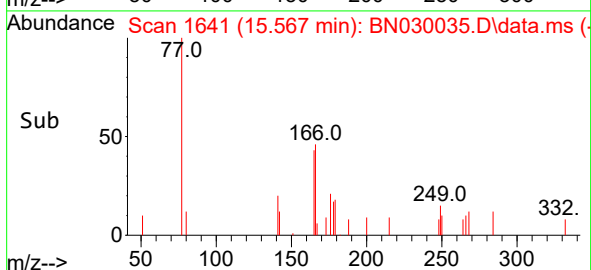
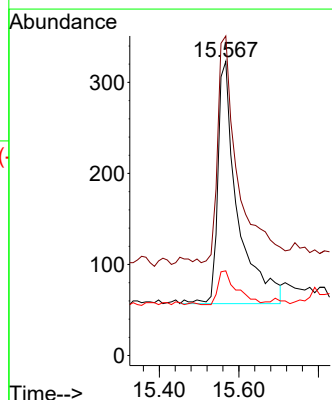
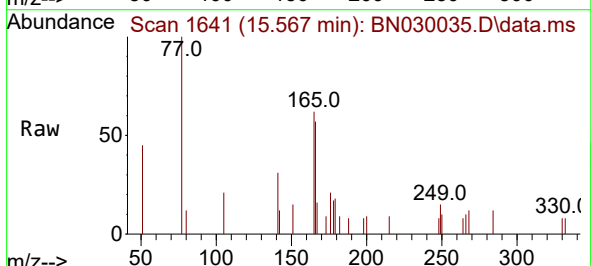
Tgt Ion:166 Resp: 889

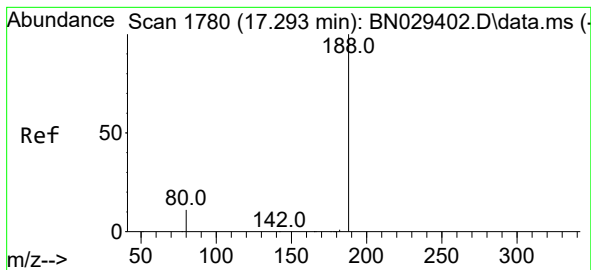
Ion Ratio Lower Upper

166 100

165 99.0 79.9 119.9

167 13.6 11.3 16.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.255 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

Instrument :

BNA_N

ClientSampleId :

RE117D1-20240219

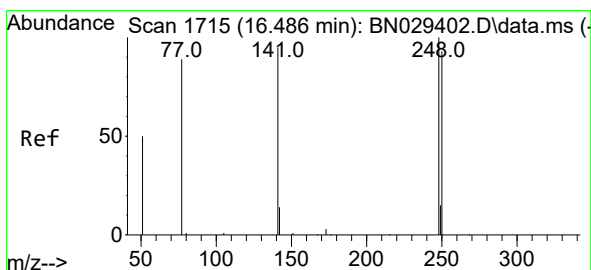
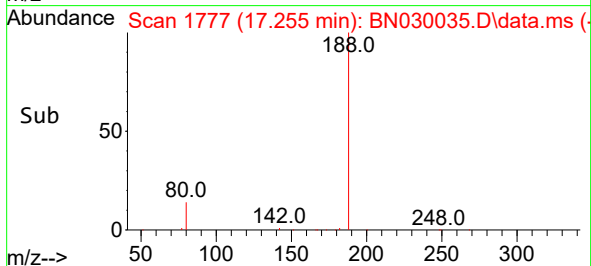
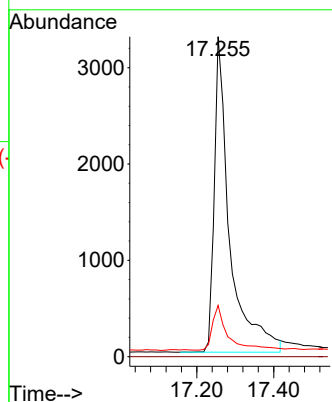
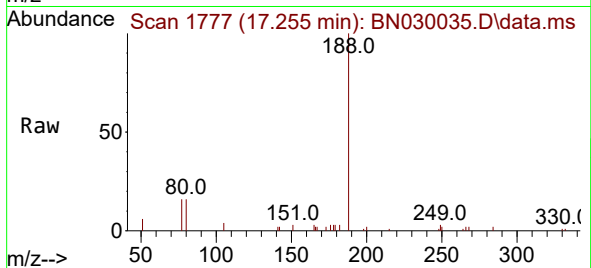
Tgt Ion:188 Resp: 9096

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.0 10.0 15.0#



#21

4-Bromophenyl-phenylether

Concen: 0.048 ng

RT: 16.461 min Scan# 1713

Delta R.T. 0.012 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

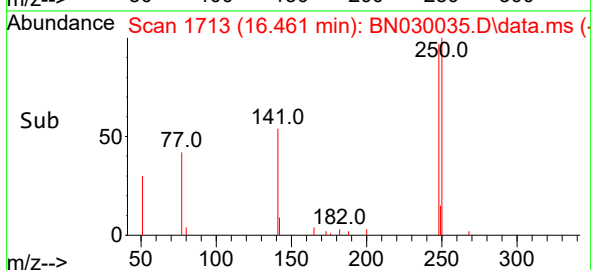
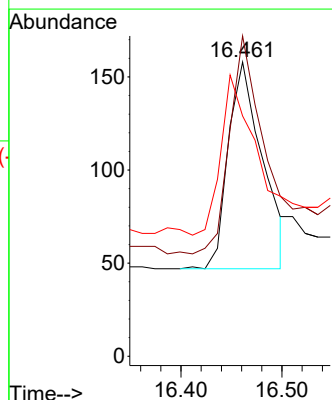
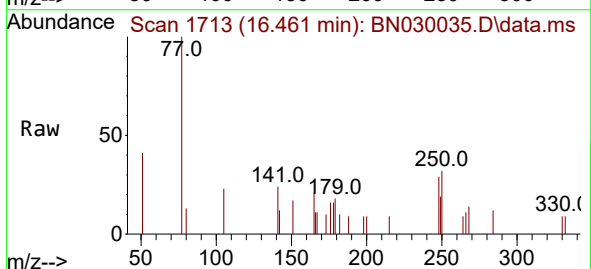
Tgt Ion:248 Resp: 261

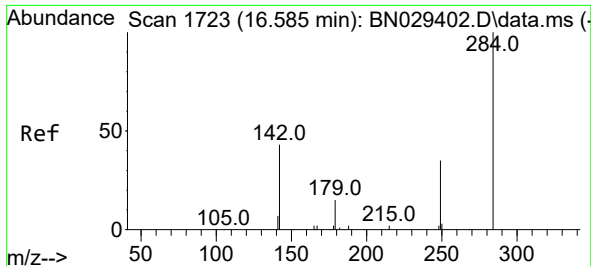
Ion Ratio Lower Upper

248 100

250 108.9 75.0 112.4

141 81.6 77.0 115.6

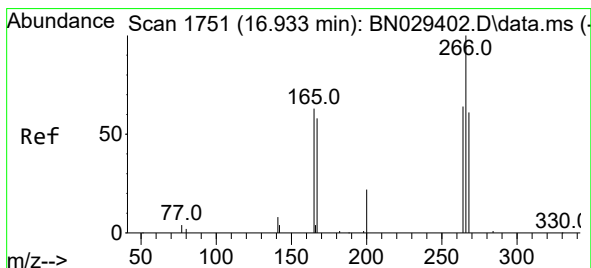
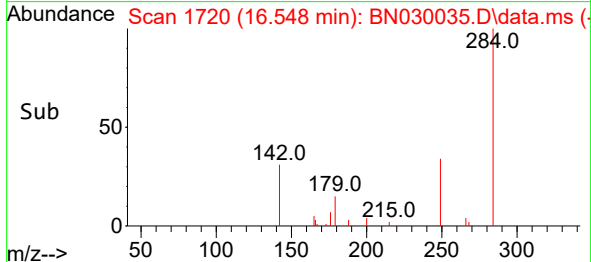
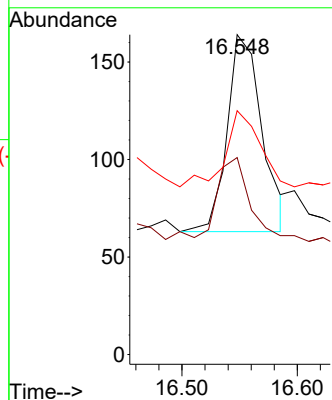
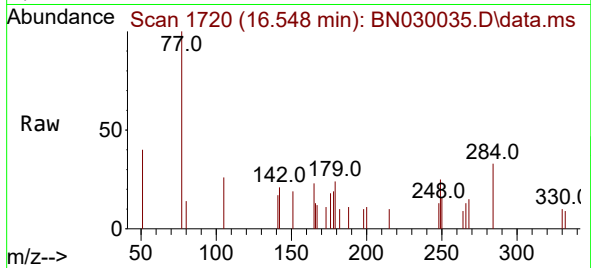




#22
Hexachlorobenzene
Concen: 0.032 ng
RT: 16.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

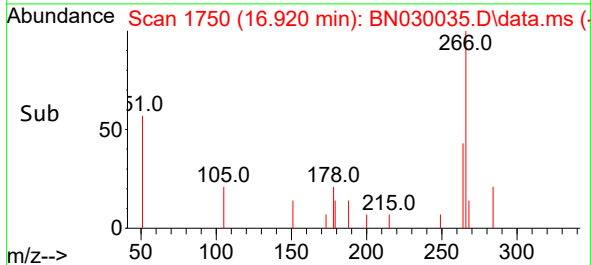
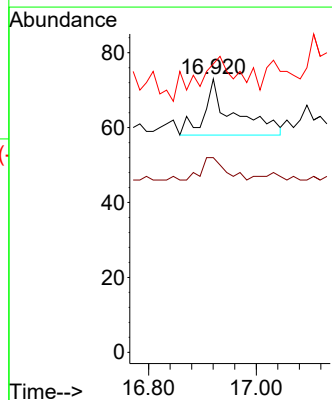
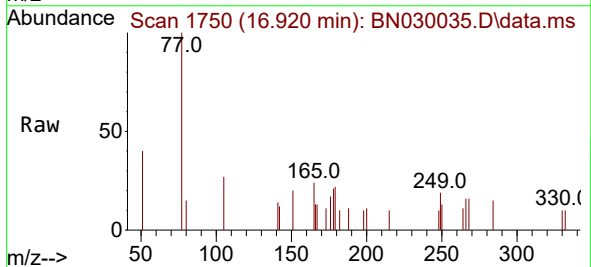
Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219

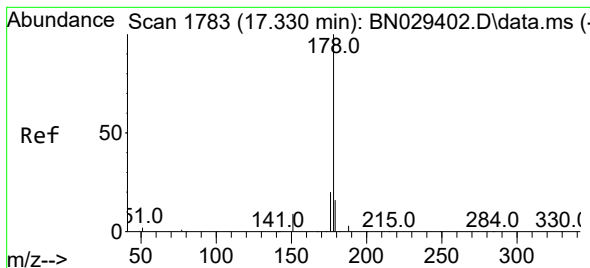
Tgt Ion:284 Resp: 212
Ion Ratio Lower Upper
284 100
142 35.4 39.4 59.2#
249 37.7 26.9 40.3



#24
Pentachlorophenol
Concen: 0.027 ng
RT: 16.920 min Scan# 1750
Delta R.T. 0.012 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Tgt Ion:266 Resp: 57
Ion Ratio Lower Upper
266 100
264 0.0 50.8 76.2#
268 86.0 51.5 77.3#





#25

Phenanthrene

Concen: 0.054 ng

RT: 17.305 min Scan# 1781

Delta R.T. 0.012 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

Instrument :

BNA_N

ClientSampleId :

RE117D1-20240219

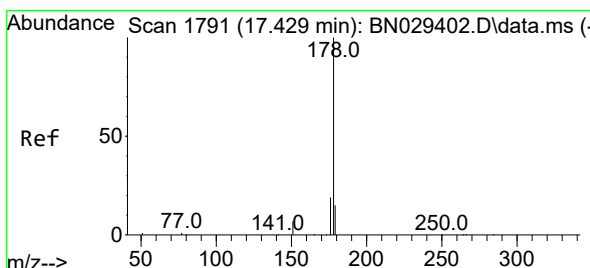
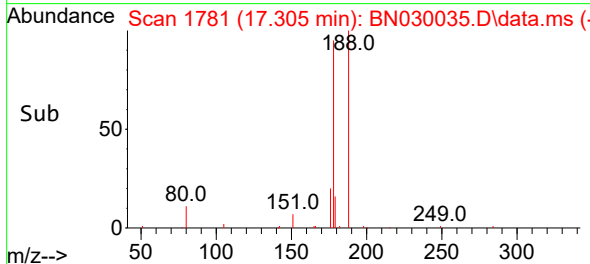
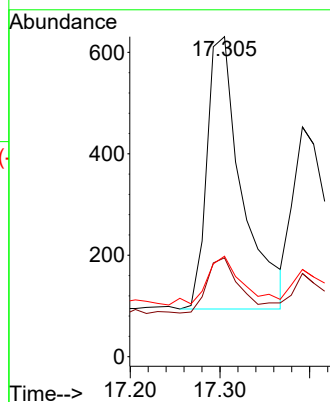
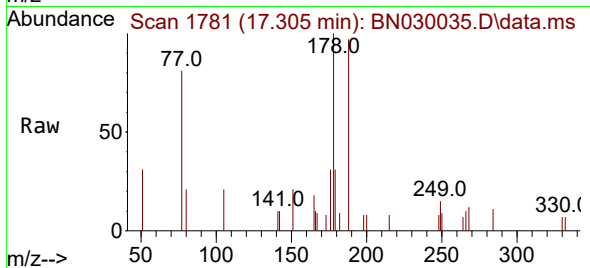
Tgt Ion:178 Resp: 1451

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.6

179 18.5 12.6 19.0



#26

Anthracene

Concen: 0.042 ng

RT: 17.392 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

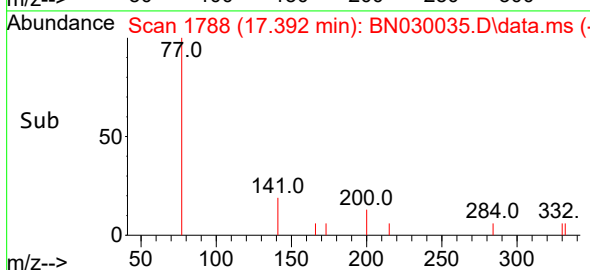
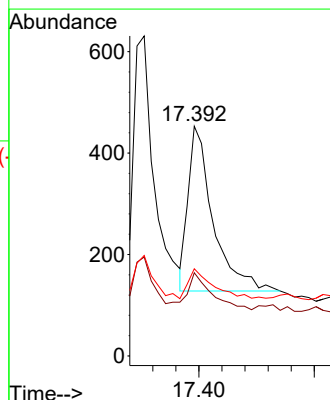
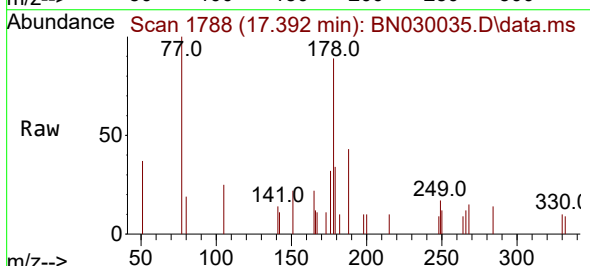
Tgt Ion:178 Resp: 974

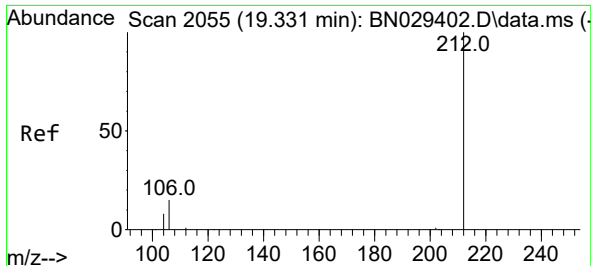
Ion Ratio Lower Upper

178 100

176 20.2 15.0 22.4

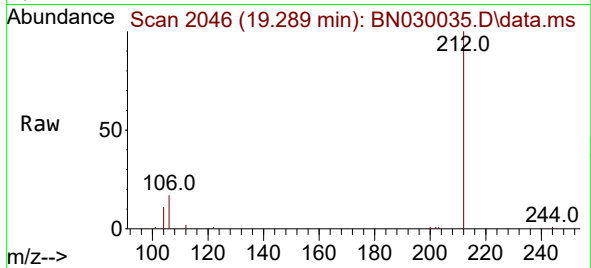
179 17.8 12.3 18.5



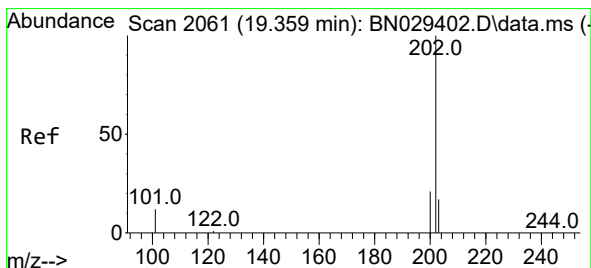
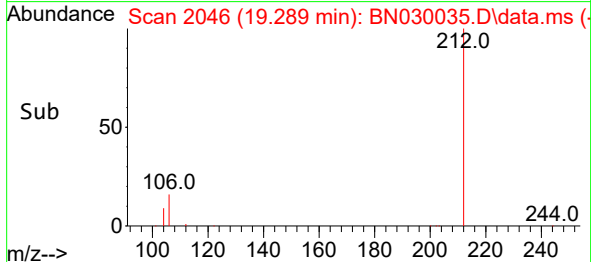
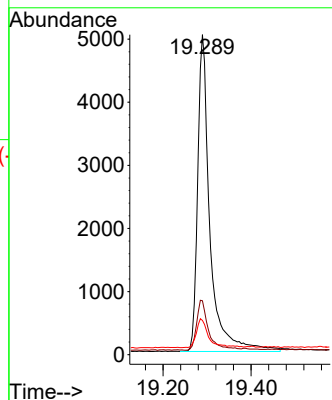


#27
Fluoranthene-d10
Concen: 0.441 ng
RT: 19.289 min Scan# 2053
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219

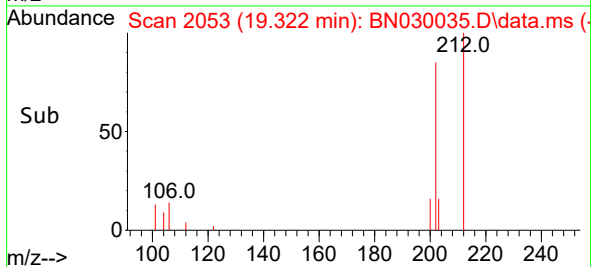
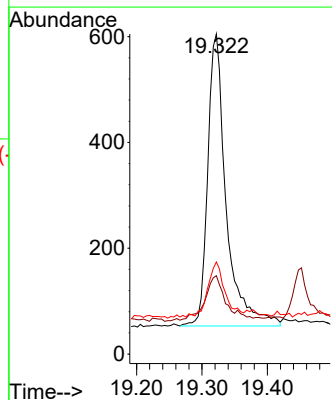
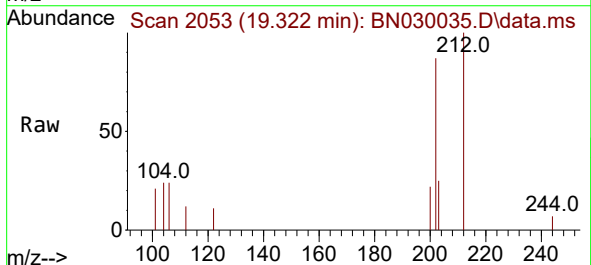


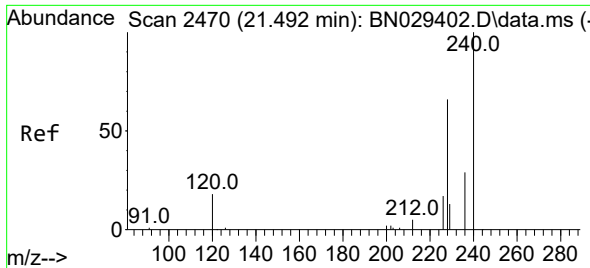
Tgt Ion:212 Resp: 9710
Ion Ratio Lower Upper
212 100
106 15.3 13.2 19.8
104 8.8 7.7 11.5



#28
Fluoranthene
Concen: 0.036 ng
RT: 19.322 min Scan# 2053
Delta R.T. 0.005 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Tgt Ion:202 Resp: 1084
Ion Ratio Lower Upper
202 100
101 17.6 10.5 15.7#
203 18.1 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: BN030035.D

Acq: 25 Feb 2024 19:07

Instrument :

BNA_N

ClientSampleId :

RE117D1-20240219

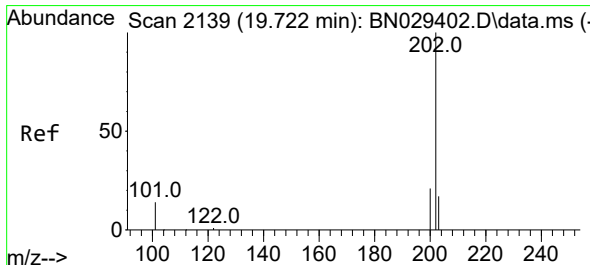
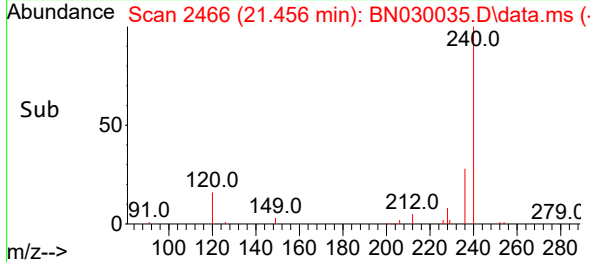
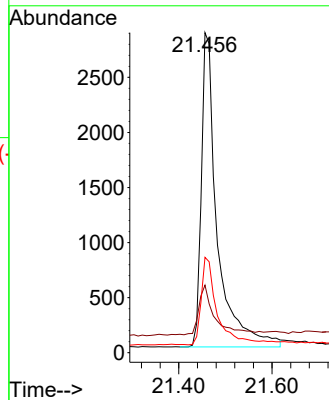
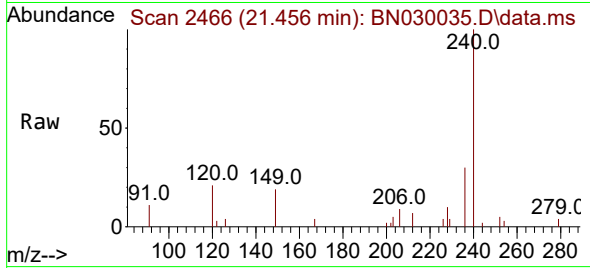
Tgt Ion:240 Resp: 6803

Ion Ratio Lower Upper

240 100

120 21.1 16.7 25.1

236 29.8 23.9 35.9



#30

Pyrene

Concen: 0.030 ng

RT: 19.684 min Scan# 2131

Delta R.T. 0.000 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

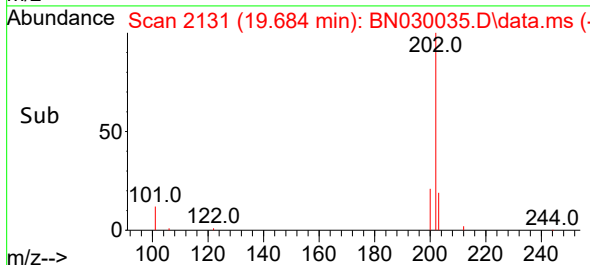
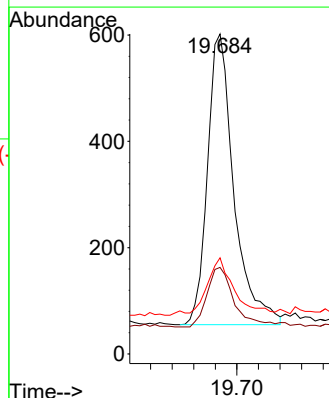
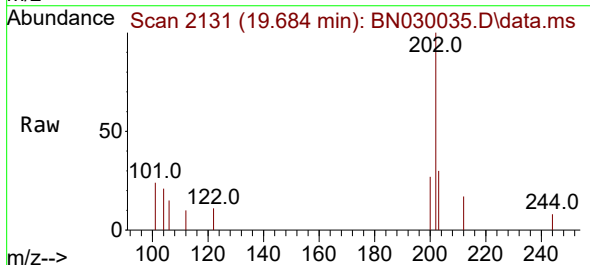
Tgt Ion:202 Resp: 933

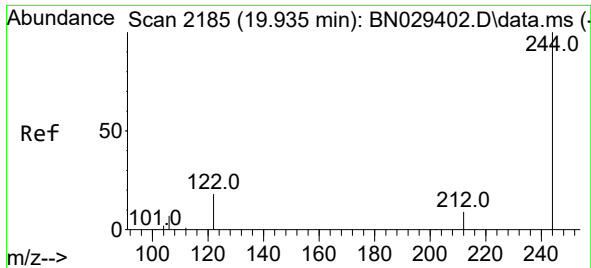
Ion Ratio Lower Upper

202 100

200 21.9 16.6 25.0

203 18.6 14.2 21.4

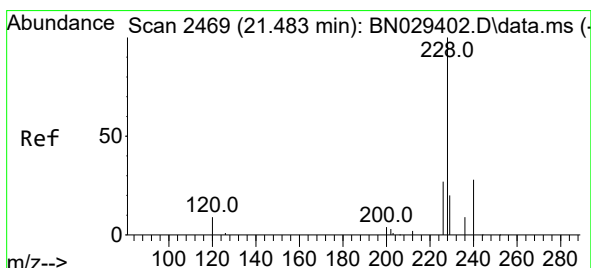
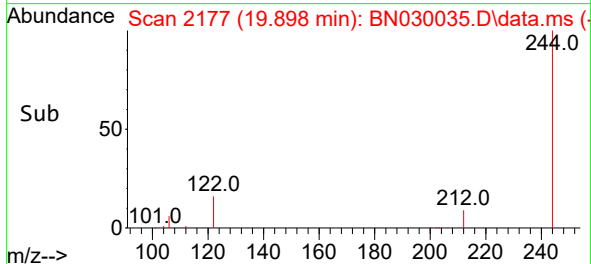
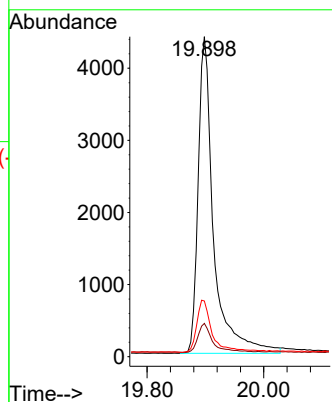
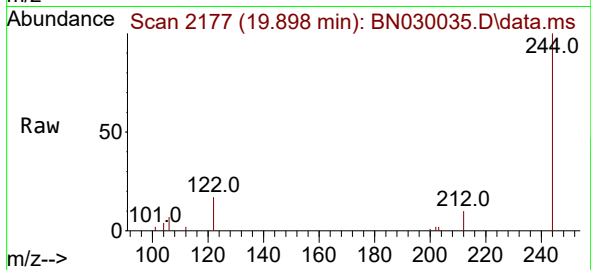




#31
 Terphenyl-d14
 Concen: 0.478 ng
 RT: 19.898 min Scan# 2185
 Delta R.T. 0.000 min
 Lab File: BN030035.D
 Acq: 25 Feb 2024 19:07

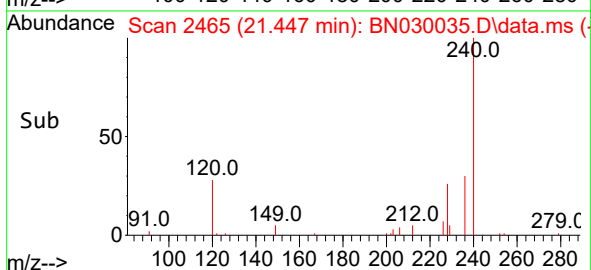
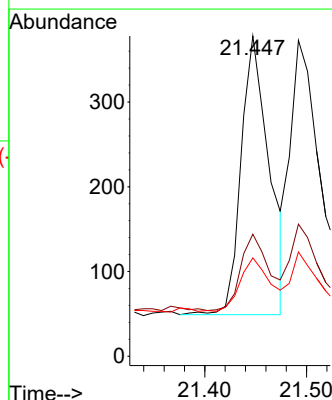
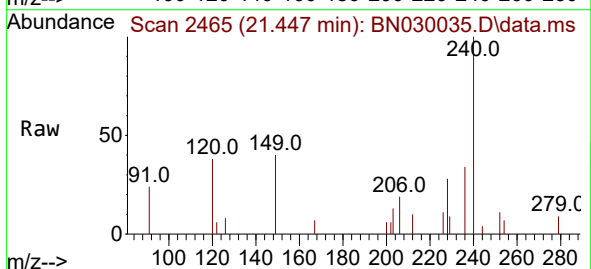
Instrument :
 BNA_N
 ClientSampleId :
 RE117D1-20240219

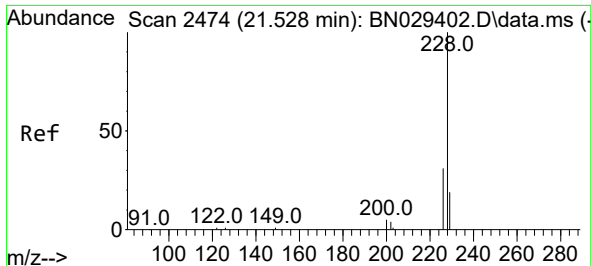
Tgt Ion:244 Resp: 8076
 Ion Ratio Lower Upper
 244 100
 212 10.4 8.2 12.4
 122 17.4 15.6 23.4



#32
 Benzo(a)anthracene
 Concen: 0.027 ng
 RT: 21.447 min Scan# 2465
 Delta R.T. 0.009 min
 Lab File: BN030035.D
 Acq: 25 Feb 2024 19:07

Tgt Ion:228 Resp: 632
 Ion Ratio Lower Upper
 228 100
 226 38.1 22.2 33.4#
 229 30.7 16.5 24.7#





#33

Chrysene

Concen: 0.025 ng

RT: 21.492 min Scan# 2474

Delta R.T. 0.000 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

Instrument :

BNA_N

ClientSampleId :

RE117D1-20240219

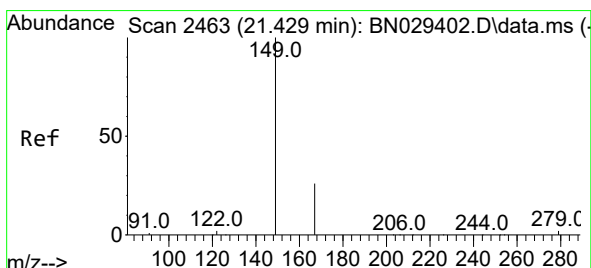
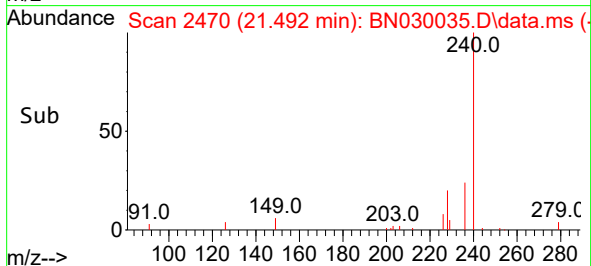
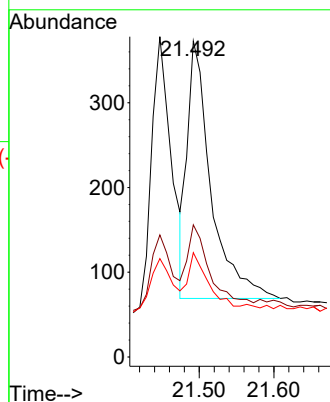
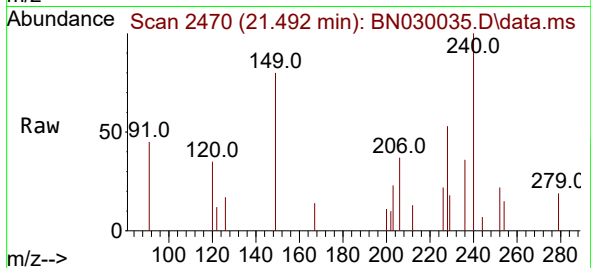
Tgt Ion:228 Resp: 670

Ion Ratio Lower Upper

228 100

226 41.8 24.9 37.3#

229 33.0 15.9 23.9#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.066 ng

RT: 21.384 min Scan# 2458

Delta R.T. 0.000 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

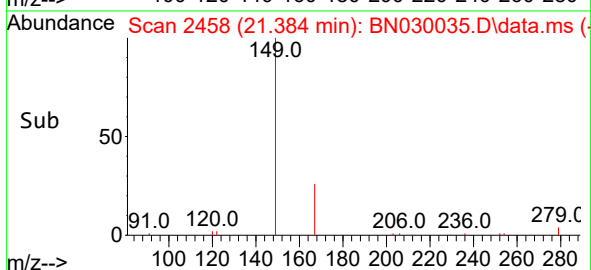
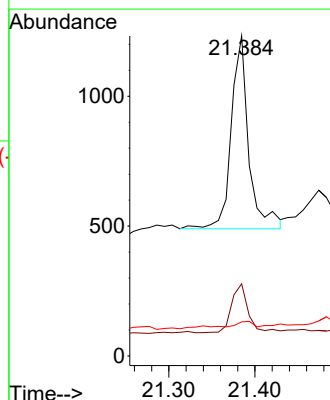
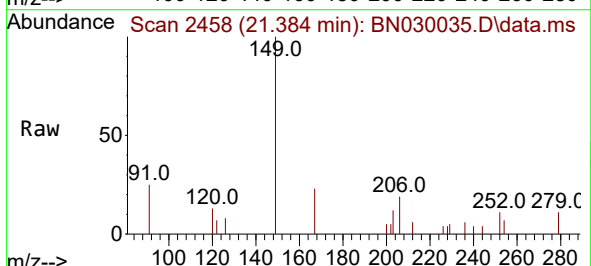
Tgt Ion:149 Resp: 1047

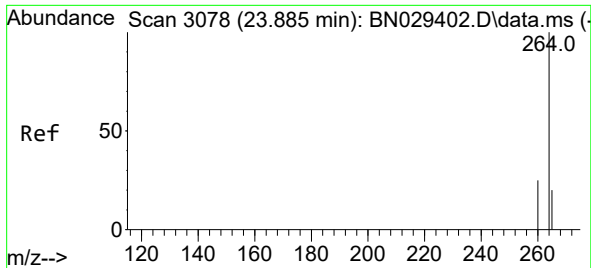
Ion Ratio Lower Upper

149 100

167 24.1 20.1 30.1

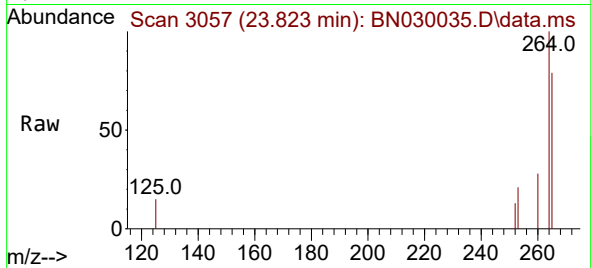
279 2.7 2.5 3.7



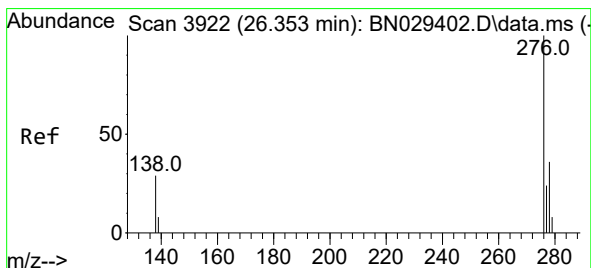
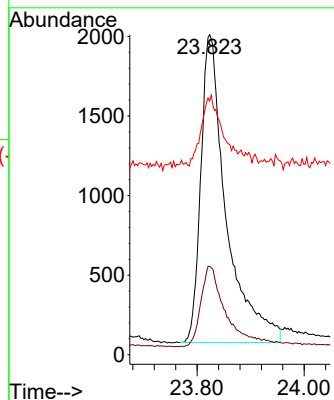


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.823 min Scan# 3078
Delta R.T. 0.003 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219

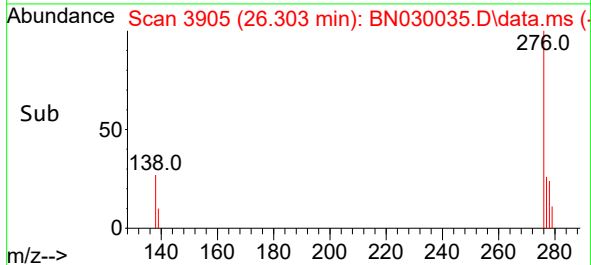
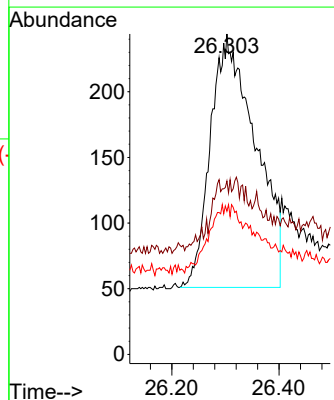
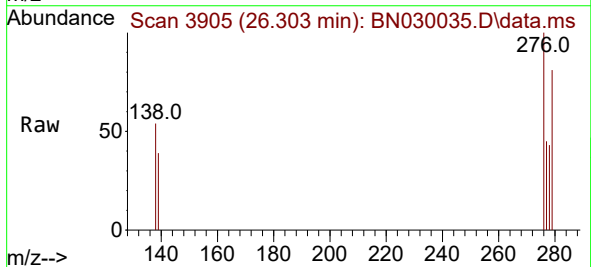


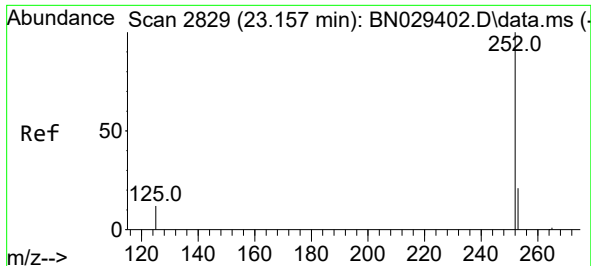
Tgt Ion:264 Resp: 6367
Ion Ratio Lower Upper
264 100
260 27.6 21.2 31.8
265 79.3 41.5 62.3#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.044 ng
RT: 26.303 min Scan# 3905
Delta R.T. 0.035 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Tgt Ion:276 Resp: 1128
Ion Ratio Lower Upper
276 100
138 4.9 20.5 30.7#
277 7.1 17.0 25.4#





#37

Benzo(b)fluoranthene

Concen: 0.048 ng

RT: 23.110 min Scan# 21

Delta R.T. 0.012 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

Instrument :

BNA_N

ClientSampleId :

RE117D1-20240219

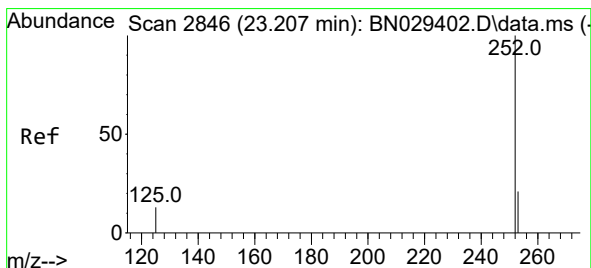
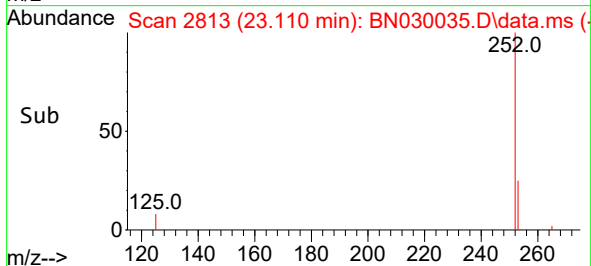
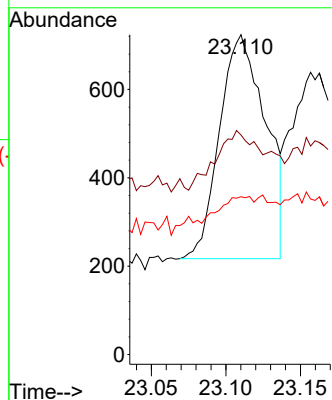
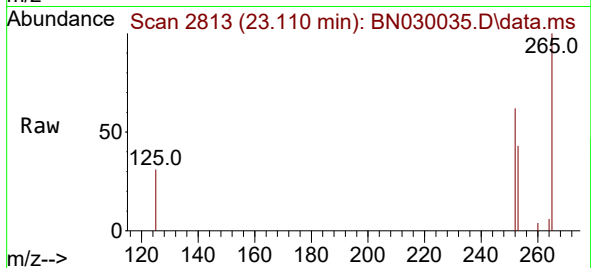
Tgt Ion:252 Resp: 1089

Ion Ratio Lower Upper

252 100

253 68.6 21.7 32.5#

125 49.3 13.3 19.9#



#38

Benzo(k)fluoranthene

Concen: 0.032 ng

RT: 23.157 min Scan# 2829

Delta R.T. 0.009 min

Lab File: BN030035.D

Acq: 25 Feb 2024 19:07

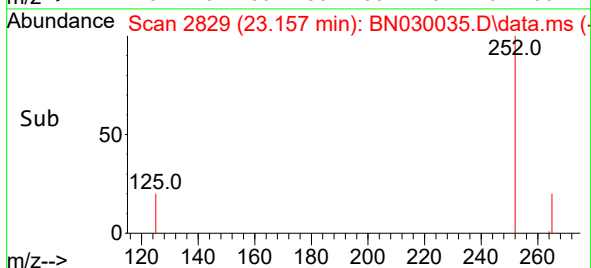
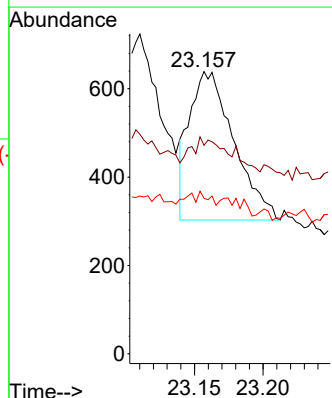
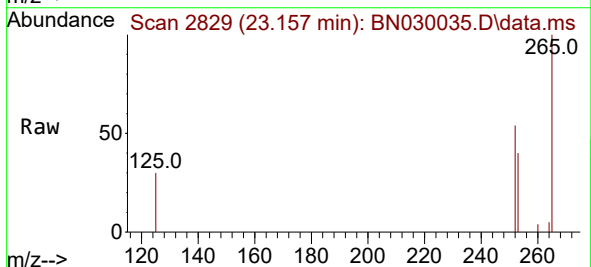
Tgt Ion:252 Resp: 757

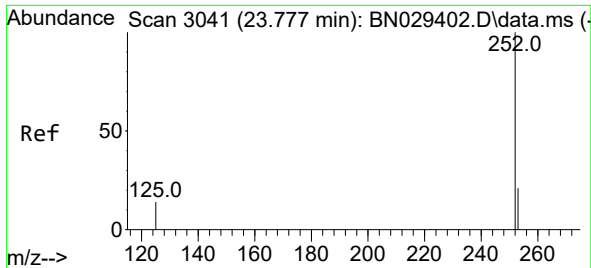
Ion Ratio Lower Upper

252 100

253 73.9 21.8 32.8#

125 55.1 13.9 20.9#

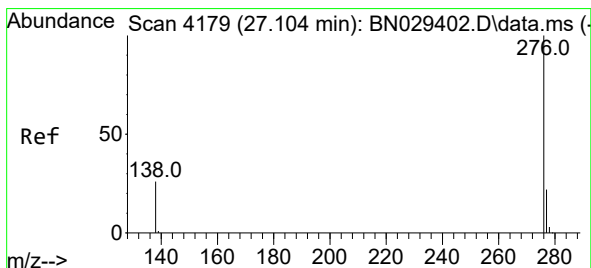
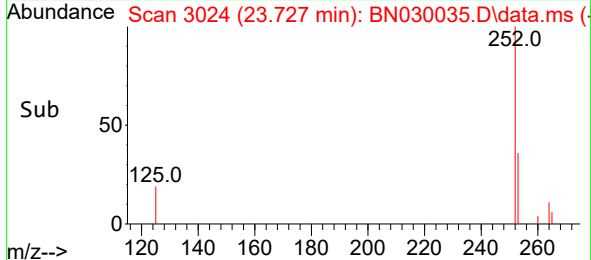
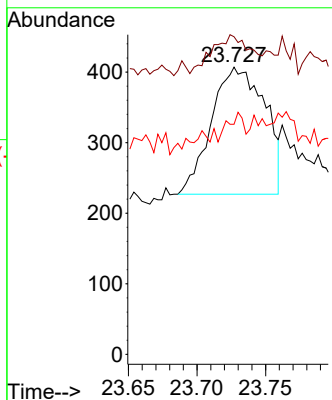
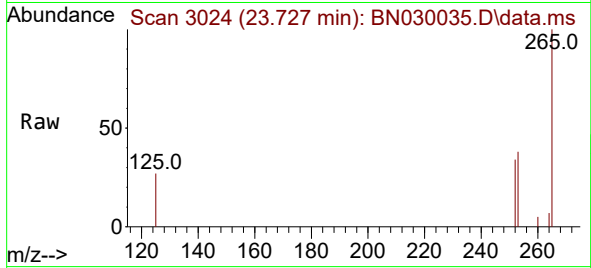




#39
Benzo(a)pyrene
Concen: 0.025 ng
RT: 23.727 min Scan# 3041
Delta R.T. 0.012 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219

Tgt Ion:252 Resp: 489
Ion Ratio Lower Upper
252 100
253 110.6 24.9 37.3#
125 80.1 16.6 25.0#



#41
Benzo(g,h,i)perylene
Concen: 0.045 ng
RT: 27.022 min Scan# 4151
Delta R.T. 0.015 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Tgt Ion:276 Resp: 1105
Ion Ratio Lower Upper
276 100
277 44.2 19.4 29.2#
138 52.5 23.5 35.3#

