

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041823\
 Data File : BN024976.D
 Acq On : 18 Apr 2023 13:44
 Operator : CG/JU
 Sample : 02357-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P2-S1-230413

Quant Time: Apr 18 14:31:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN040523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 05:29:26 2023
 Response via : Initial Calibration

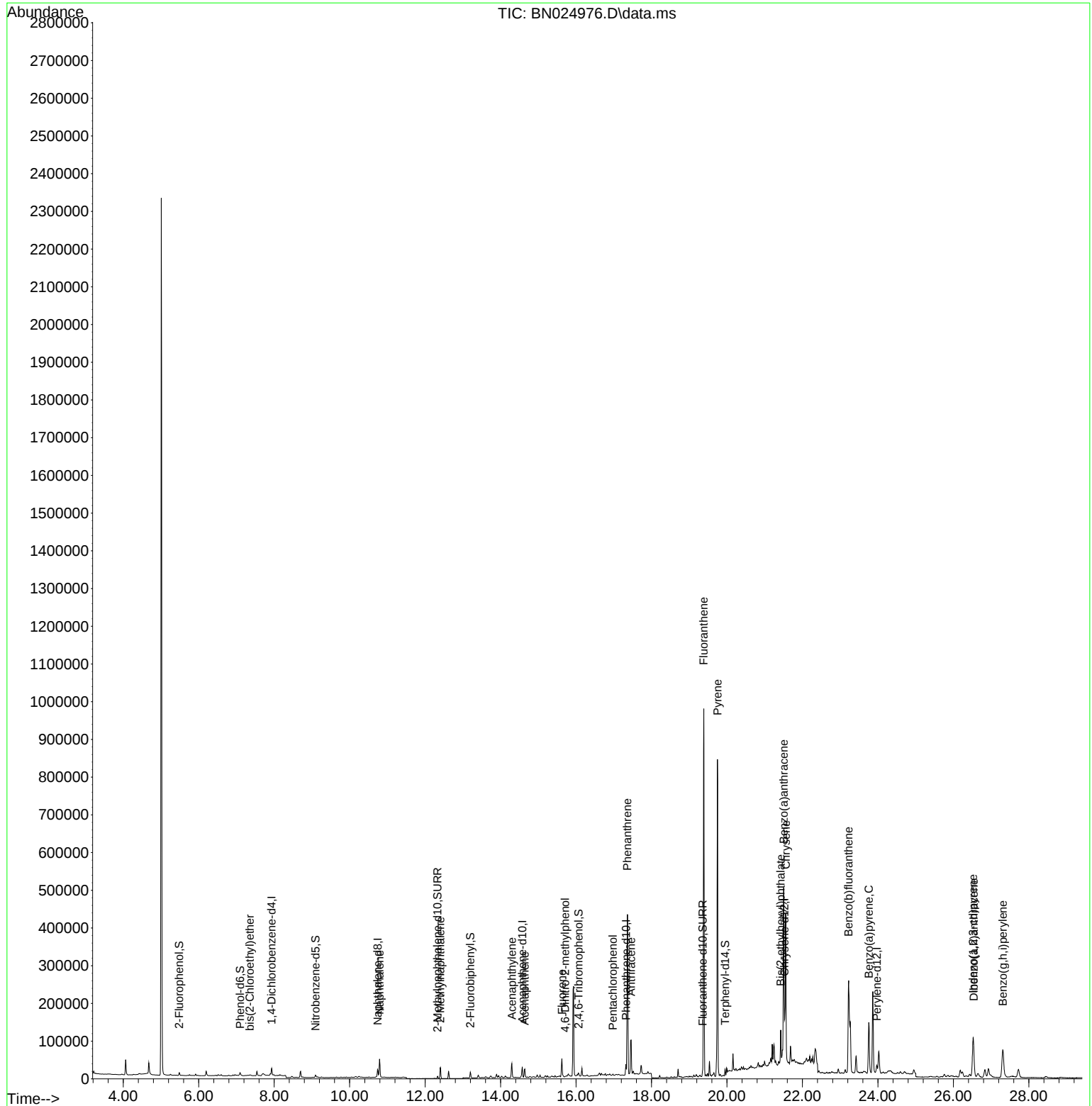
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.933	152	9361	0.400	ng	0.00
7) Naphthalene-d8	10.739	136	27463	0.400	ng	#-0.01
13) Acenaphthene-d10	14.576	164	15573	0.400	ng	0.00
19) Phenanthrene-d10	17.323	188	35496	0.400	ng	0.00
29) Chrysene-d12	21.522	240	32439	0.400	ng	# 0.00
35) Perylene-d12	23.970	264	29253	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.484	112	5713	0.264	ng	0.00
5) Phenol-d6	7.095	99	7323	0.269	ng	0.00
8) Nitrobenzene-d5	9.095	82	5317	0.240	ng	-0.01
11) 2-Methylnaphthalene-d10	12.332	152	7985	0.220	ng	0.00
14) 2,4,6-Tribromophenol	16.070	330	2216	0.316	ng	0.00
15) 2-Fluorobiphenyl	13.197	172	12802	0.215	ng	-0.01
27) Fluoranthene-d10	19.355	212	16848	0.209	ng	0.00
31) Terphenyl-d14	19.949	244	17960	0.244	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.355	93	1562	0.056	ng	# 93
9) Naphthalene	10.793	128	57237	0.809	ng	100
12) 2-Methylnaphthalene	12.404	142	20505	0.417	ng	99
16) Acenaphthylene	14.298	152	43539	0.665	ng	99
17) Acenaphthene	14.641	154	11509	0.260	ng	99
18) Fluorene	15.624	166	30079	0.495	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.710	198	49	0.182	ng	# 1
24) Pentachlorophenol	16.976	266	144	0.233	ng	# 79
25) Phenanthrene	17.361	178	407644	3.955	ng	100
26) Anthracene	17.460	178	111992	1.246	ng	98
28) Fluoranthene	19.384	202	844037	7.214	ng	99
30) Pyrene	19.747	202	722421	6.265	ng	# 96
32) Benzo(a)anthracene	21.504	228	387570	3.534	ng	96
33) Chrysene	21.558	228	386116	3.361	ng	98
34) Bis(2-ethylhexyl)phtha...	21.423	149	76684	1.301	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.525	276	169716	1.323	ng	96
37) Benzo(b)fluoranthene	23.224	252	446548	4.025	ng	96
39) Benzo(a)pyrene	23.759	252	204164	1.924	ng	94
40) Dibenzo(a,h)anthracene	26.540	278	42137	0.417	ng	# 87
41) Benzo(g,h,i)perylene	27.309	276	164564	1.505	ng	99

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

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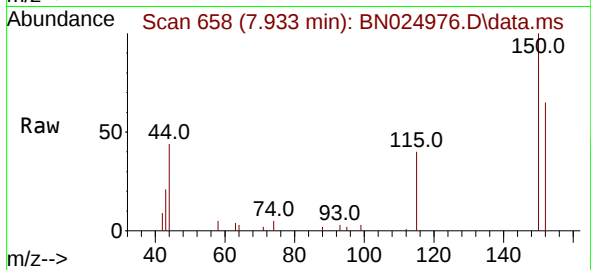
Quant Time: Apr 18 14:31:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN040523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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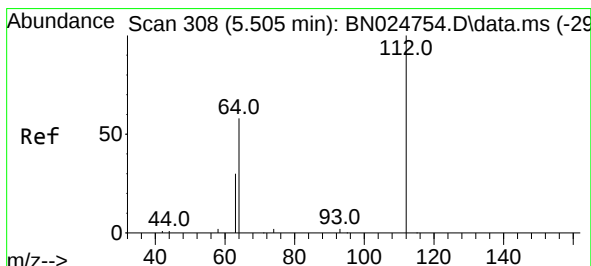
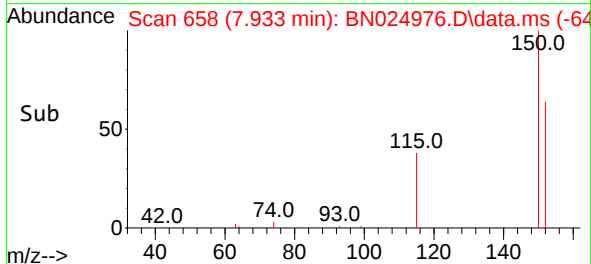
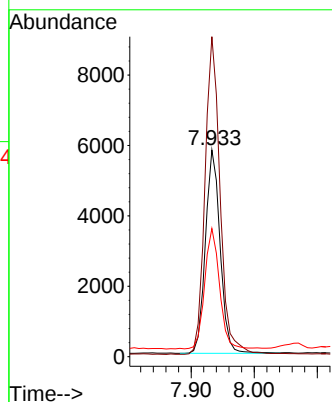


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.933 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Instrument :
BNA_N
ClientSampleId :
P2-S1-230413

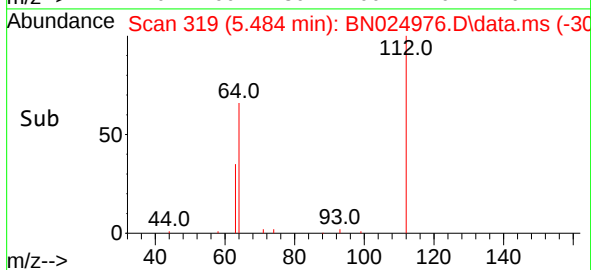
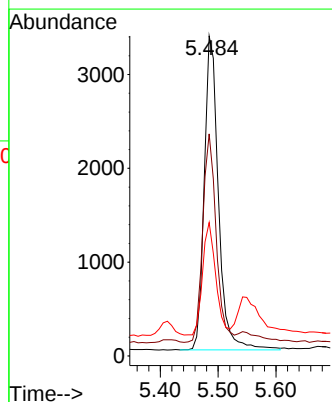
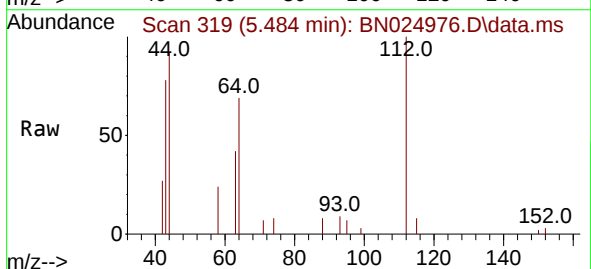


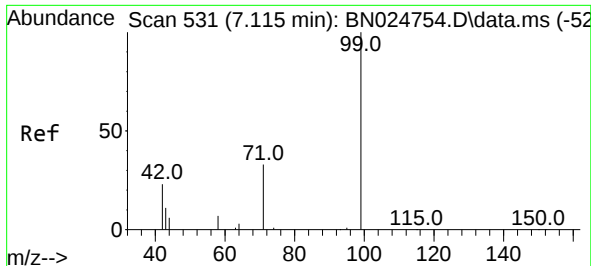
Tgt Ion:152 Resp: 9361
Ion Ratio Lower Upper
152 100
150 154.8 121.8 182.8
115 62.0 48.3 72.5



#4
2-Fluorophenol
Concen: 0.264 ng
RT: 5.484 min Scan# 319
Delta R.T. -0.007 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:112 Resp: 5713
Ion Ratio Lower Upper
112 100
64 63.3 52.5 78.7
63 33.4 27.9 41.9

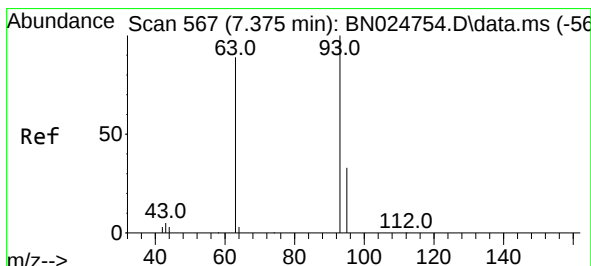
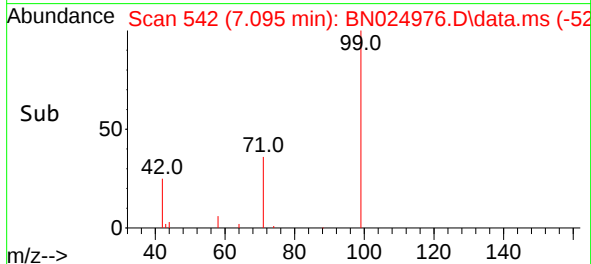
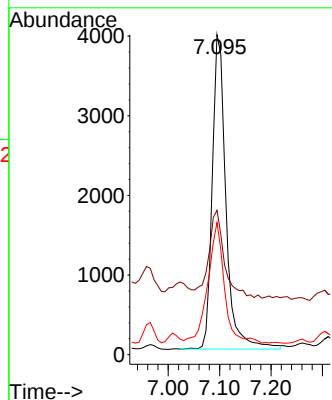
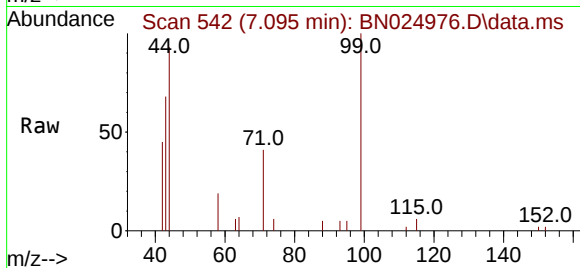




#5
Phenol-d6
Concen: 0.269 ng
RT: 7.095 min Scan# 541
Delta R.T. -0.007 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

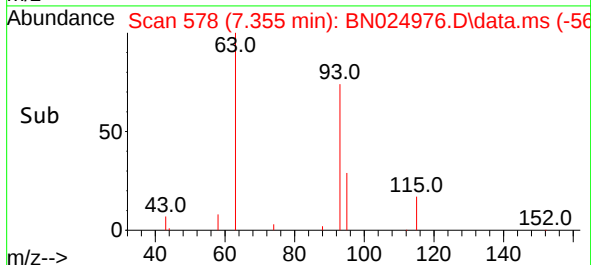
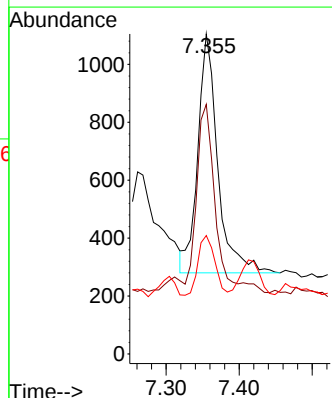
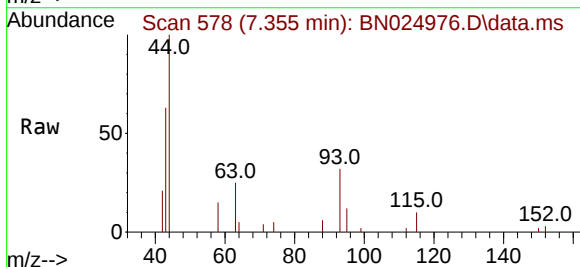
Instrument :
BNA_N
ClientSampleId :
P2-S1-230413

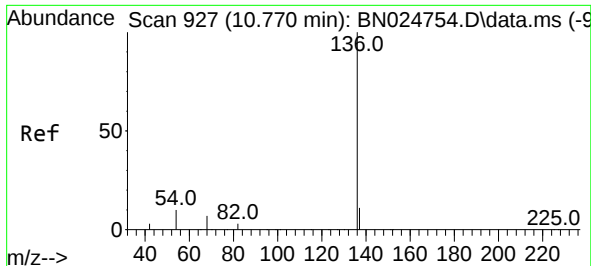
Tgt Ion: 99 Resp: 7323
Ion Ratio Lower Upper
99 100
42 30.7 22.8 34.2
71 45.8 28.2 42.2#



#6
bis(2-Chloroethyl)ether
Concen: 0.056 ng
RT: 7.355 min Scan# 578
Delta R.T. -0.007 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion: 93 Resp: 1562
Ion Ratio Lower Upper
93 100
63 82.0 68.8 103.2
95 23.1 25.4 38.2#

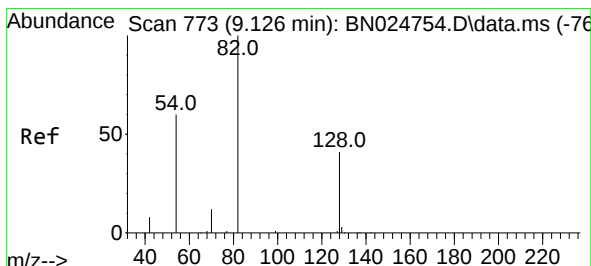
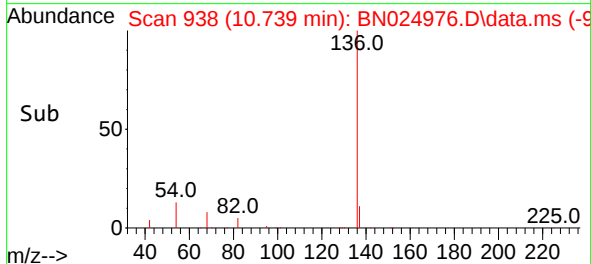
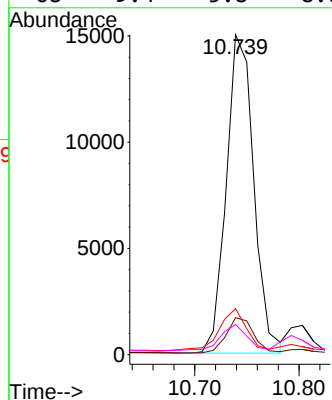
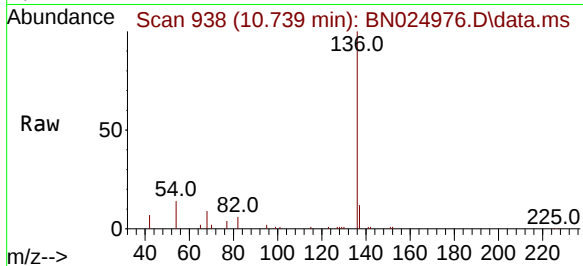




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.739 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

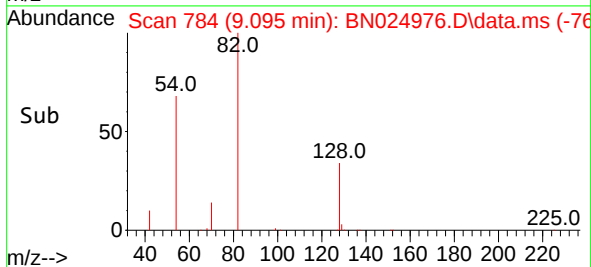
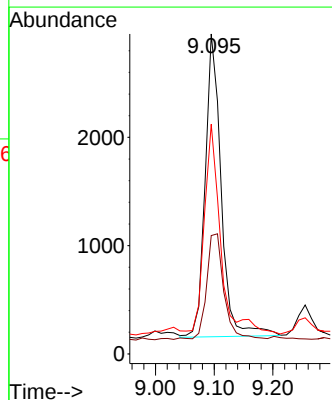
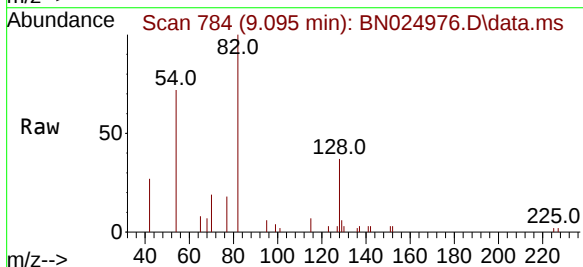
Instrument :
BNA_N
ClientSampleId :
P2-S1-230413

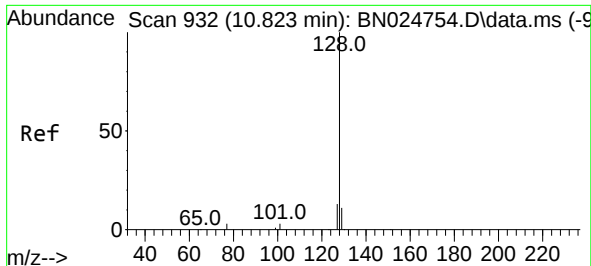
Tgt Ion:136 Resp: 27463
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 14.4 8.2 12.4#
68 9.4 5.8 8.6#



#8
Nitrobenzene-d5
Concen: 0.240 ng
RT: 9.095 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion: 82 Resp: 5317
Ion Ratio Lower Upper
82 100
128 37.0 33.8 50.6
54 71.8 49.4 74.0

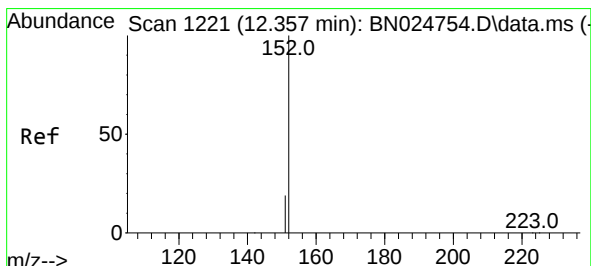
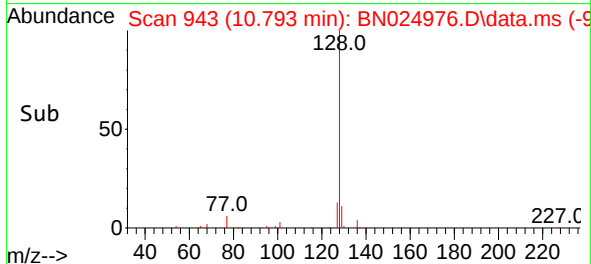
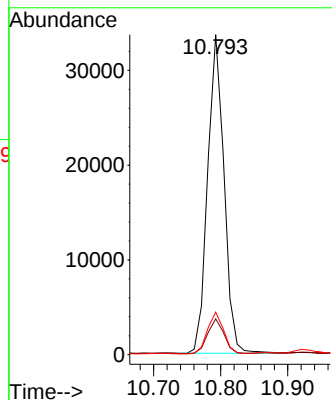
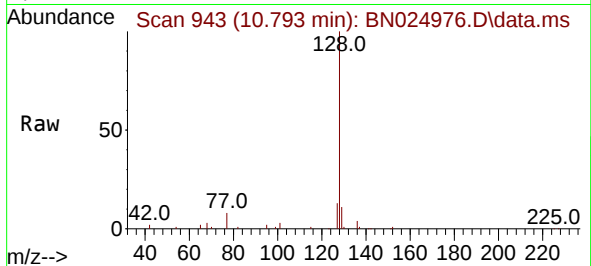




#9
Naphthalene
Concen: 0.809 ng
RT: 10.793 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

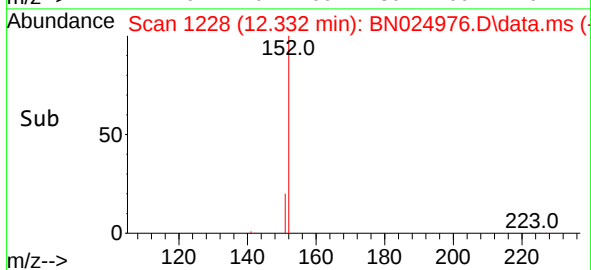
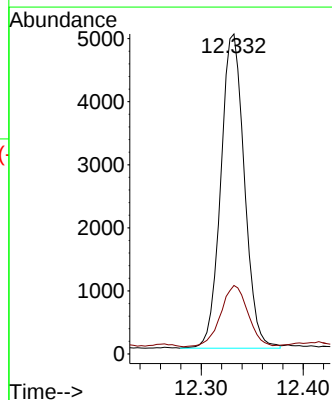
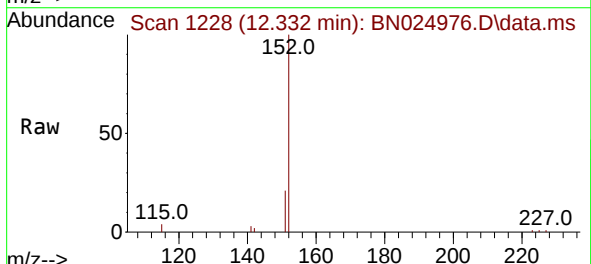
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BNA_N
ClientSampleId :
P2-S1-230413

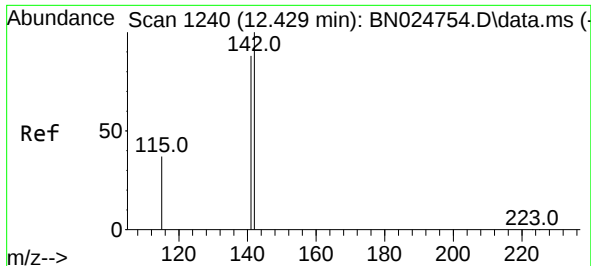
Tgt Ion:128 Resp: 57237
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.3 10.4 15.6



#11
2-Methylnaphthalene-d10
Concen: 0.220 ng
RT: 12.332 min Scan# 1228
Delta R.T. -0.004 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:152 Resp: 7985
Ion Ratio Lower Upper
152 100
151 22.6 16.6 25.0

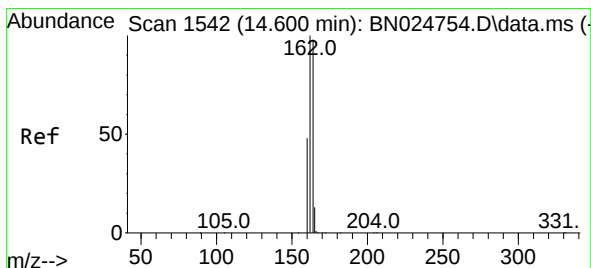
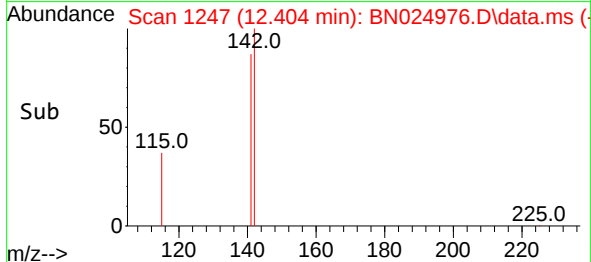
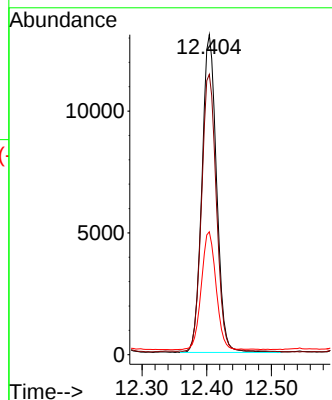
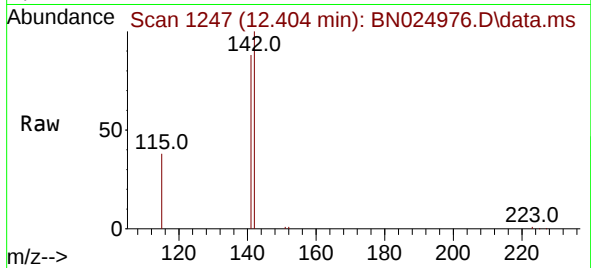




#12
2-Methylnaphthalene
Concen: 0.417 ng
RT: 12.404 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

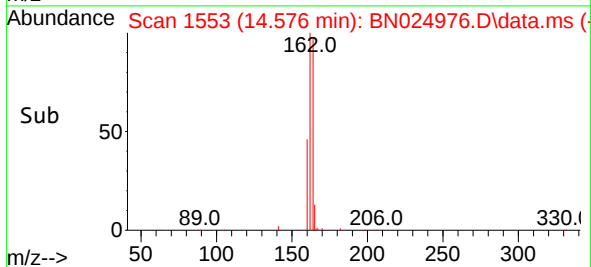
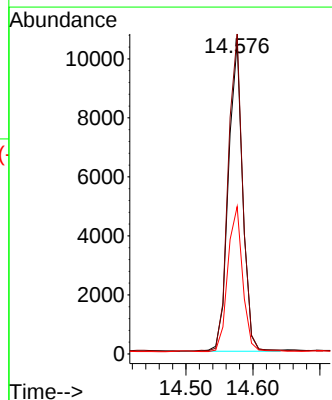
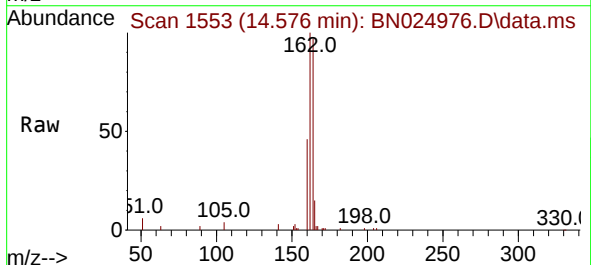
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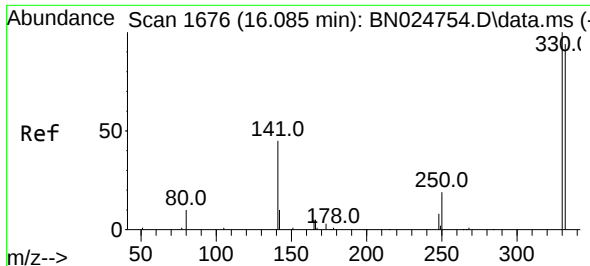
Tgt Ion:142 Resp: 20505
Ion Ratio Lower Upper
142 100
141 87.6 70.5 105.7
115 38.4 30.2 45.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.576 min Scan# 1553
Delta R.T. -0.000 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:164 Resp: 15573
Ion Ratio Lower Upper
164 100
162 102.7 81.9 122.9
160 47.3 39.2 58.8

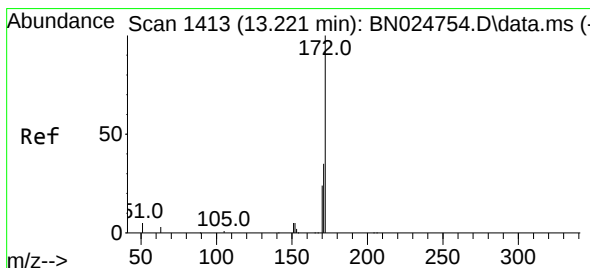
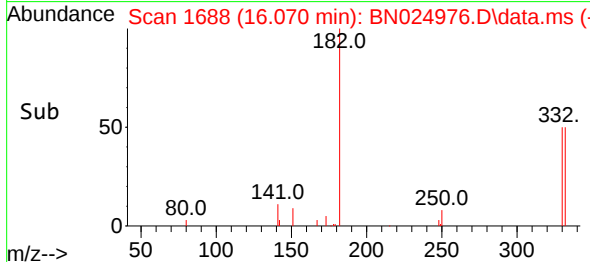
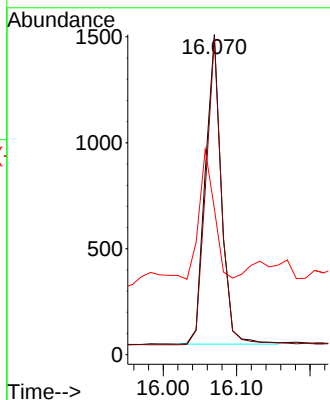
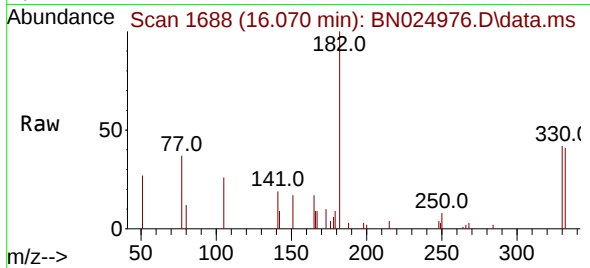




#14
2,4,6-Tribromophenol
Concen: 0.316 ng
RT: 16.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

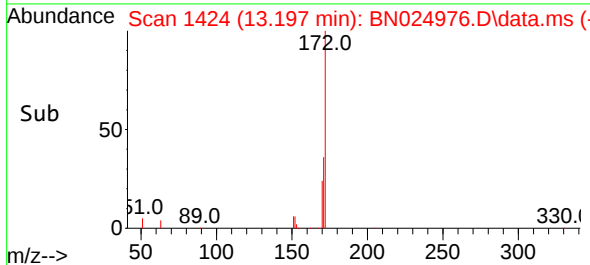
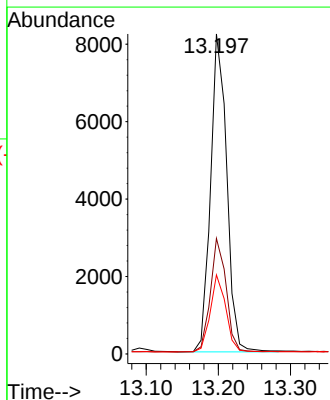
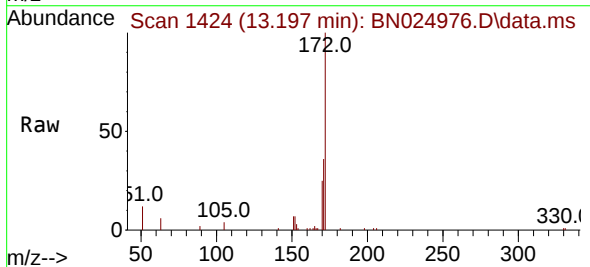
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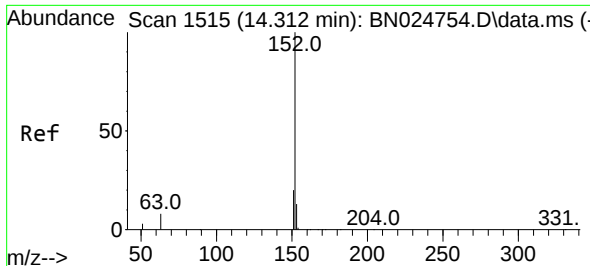
Tgt Ion:330 Resp: 2216
Ion Ratio Lower Upper
330 100
332 97.5 77.9 116.9
141 37.8 31.0 46.6



#15
2-Fluorobiphenyl
Concen: 0.215 ng
RT: 13.197 min Scan# 1424
Delta R.T. -0.011 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:172 Resp: 12802
Ion Ratio Lower Upper
172 100
171 36.1 28.2 42.2
170 24.7 19.2 28.8

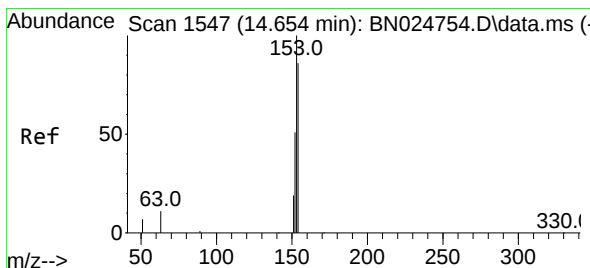
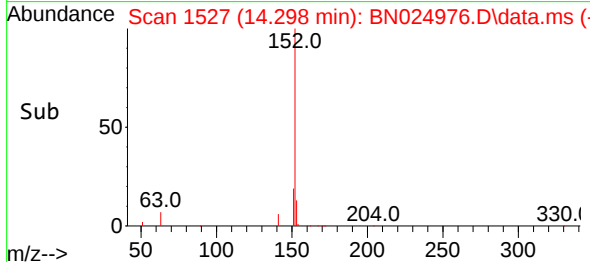
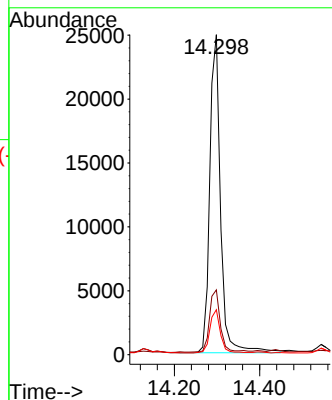
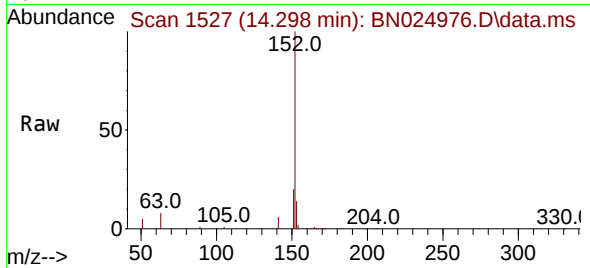




#16
Acenaphthylene
Concen: 0.665 ng
RT: 14.298 min Scan# 1527
Delta R.T. -0.000 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

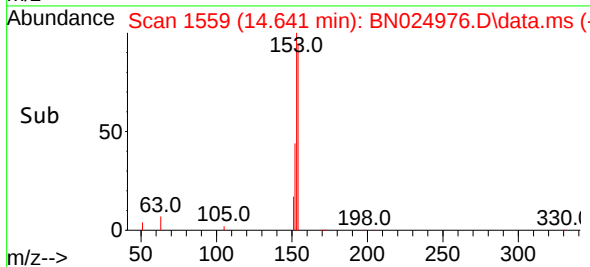
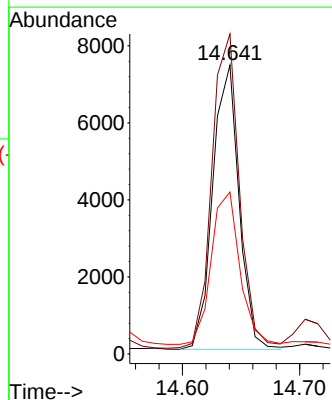
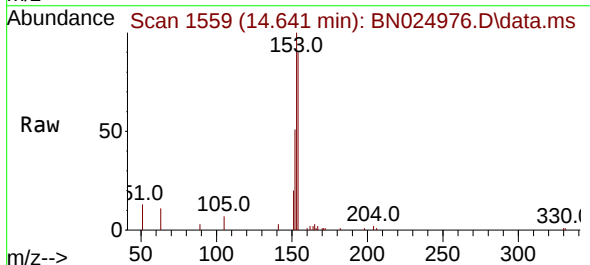
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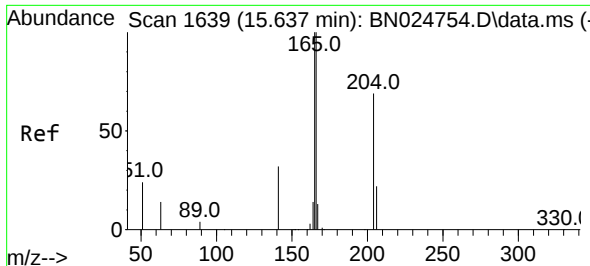
Tgt Ion:152 Resp: 43539
Ion Ratio Lower Upper
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151 19.7 15.3 22.9
153 13.3 10.3 15.5



#17
Acenaphthene
Concen: 0.260 ng
RT: 14.641 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:154 Resp: 11509
Ion Ratio Lower Upper
154 100
153 115.5 92.2 138.4
152 58.0 47.1 70.7

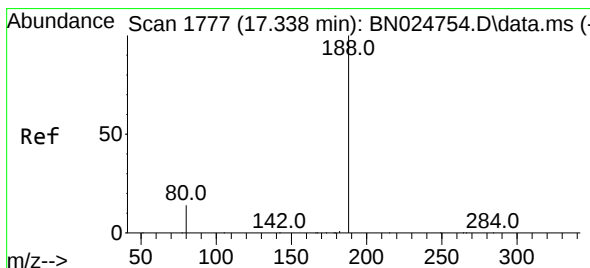
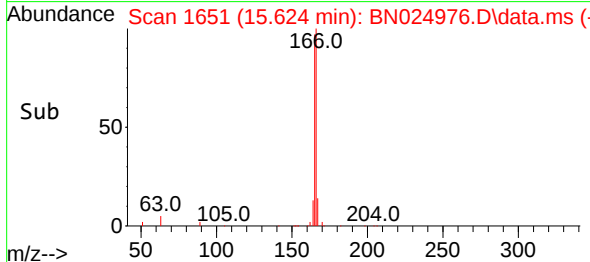
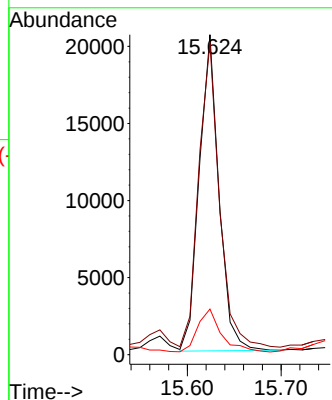
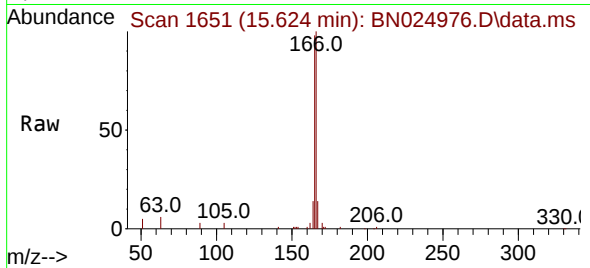




#18
 Fluorene
 Concen: 0.495 ng
 RT: 15.624 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BN024976.D
 Acq: 18 Apr 2023 13:44

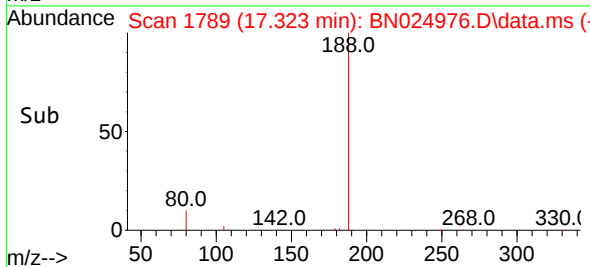
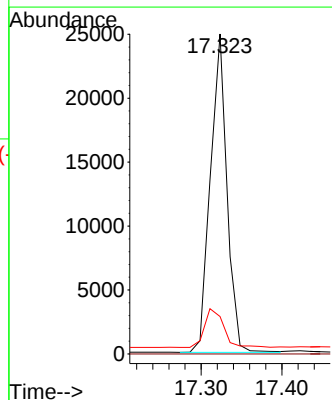
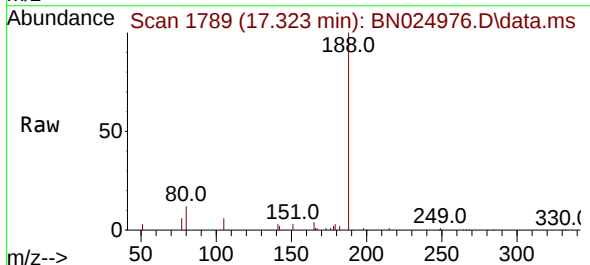
Instrument :
 BNA_N
 ClientSampleId :
 P2-S1-230413

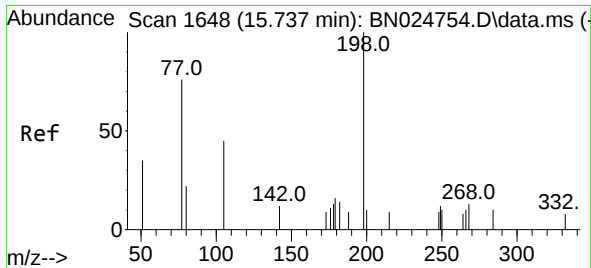
Tgt Ion:166 Resp: 30079
 Ion Ratio Lower Upper
 166 100
 165 100.5 78.3 117.5
 167 16.0 10.4 15.6#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.323 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: BN024976.D
 Acq: 18 Apr 2023 13:44

Tgt Ion:188 Resp: 35496
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.7 11.3 16.9

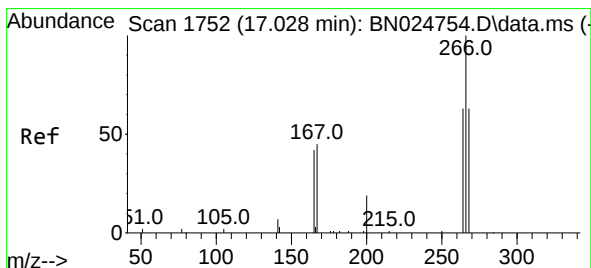
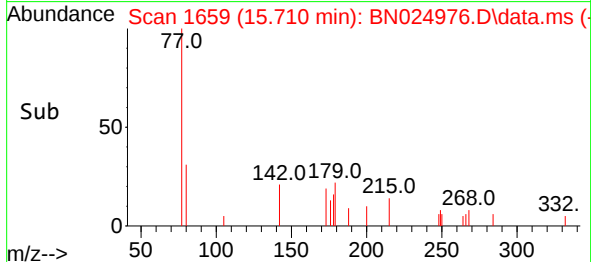
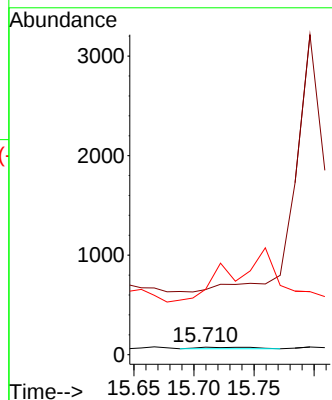
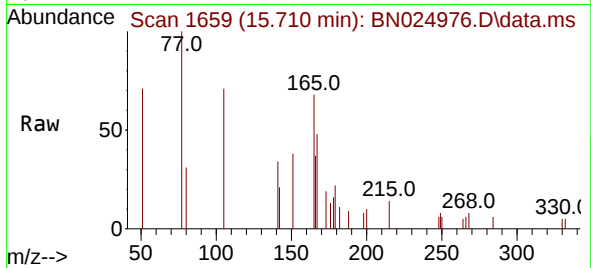




#20
4,6-Dinitro-2-methylphenol
Concen: 0.182 ng
RT: 15.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

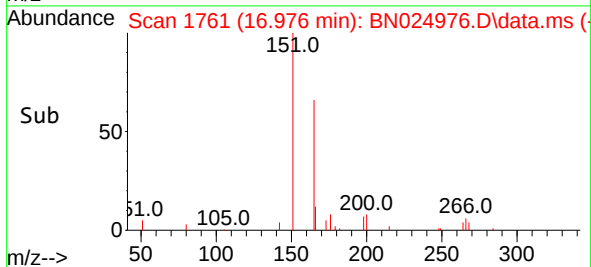
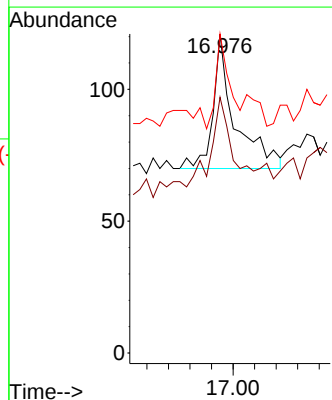
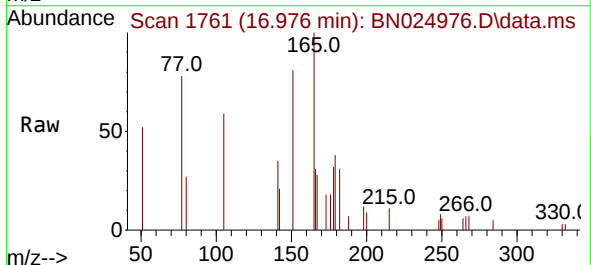
Instrument :
BNA_N
ClientSampleId :
P2-S1-230413

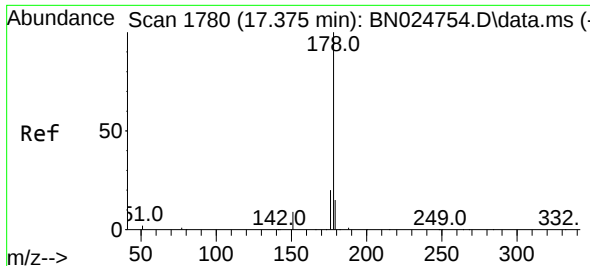
Tgt Ion:198 Resp: 49
Ion Ratio Lower Upper
198 100
51 860.5 99.8 149.8#
105 865.8 49.4 74.0#



#24
Pentachlorophenol
Concen: 0.233 ng
RT: 16.976 min Scan# 1761
Delta R.T. -0.000 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:266 Resp: 144
Ion Ratio Lower Upper
266 100
264 73.6 46.1 69.1#
268 43.8 46.7 70.1#

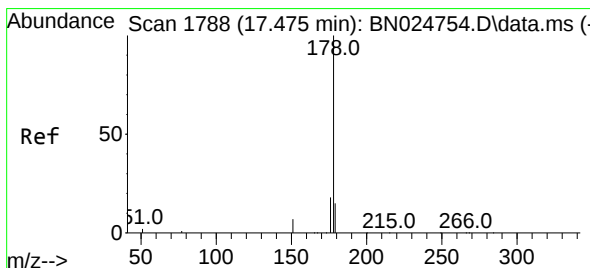
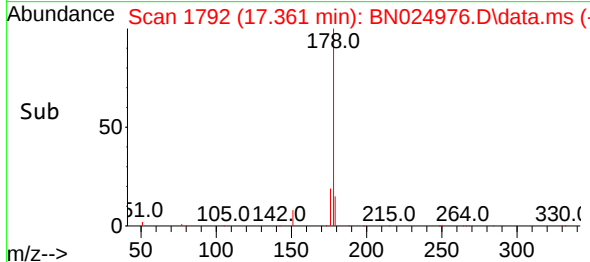
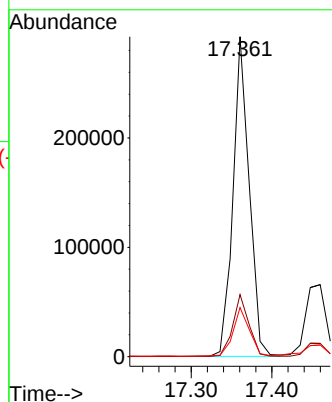
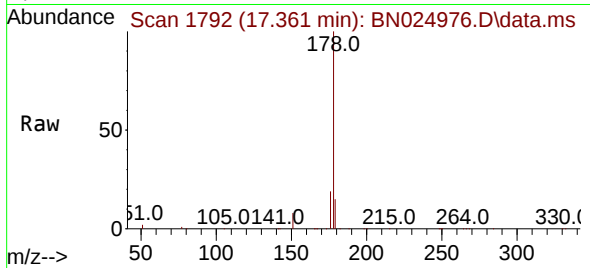




#25
Phenanthrene
Concen: 3.955 ng
RT: 17.361 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

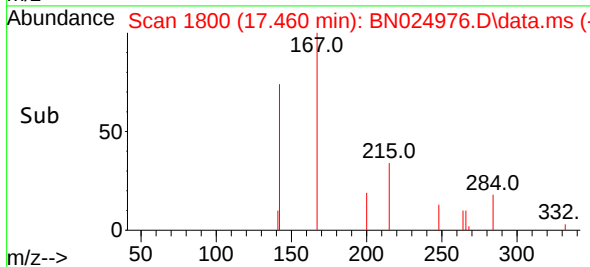
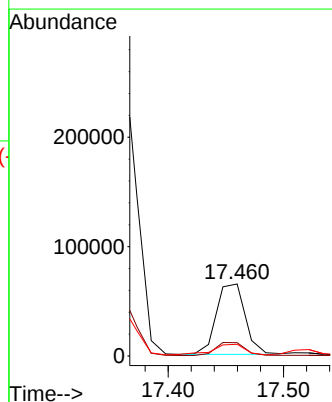
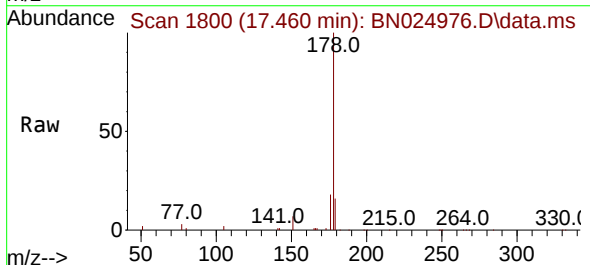
Instrument :
BNA_N
ClientSampleId :
P2-S1-230413

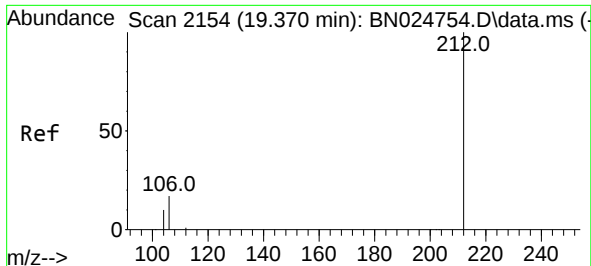
Tgt Ion:178 Resp: 407644
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.4 12.2 18.2



#26
Anthracene
Concen: 1.246 ng
RT: 17.460 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:178 Resp: 111992
Ion Ratio Lower Upper
178 100
176 19.1 14.9 22.3
179 16.7 12.4 18.6

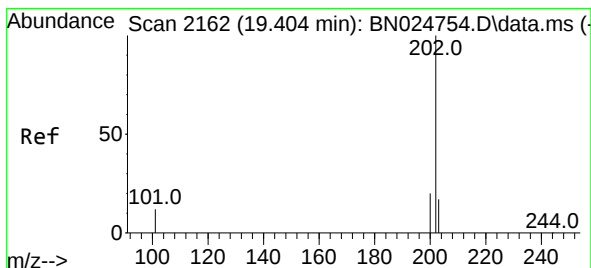
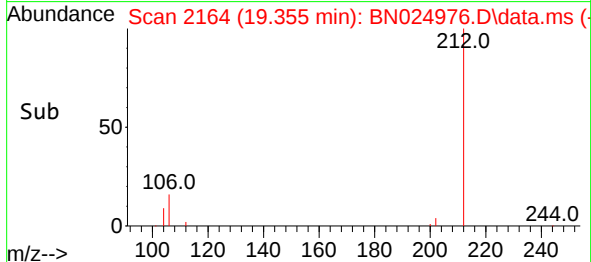
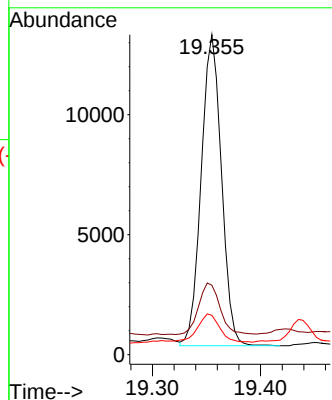
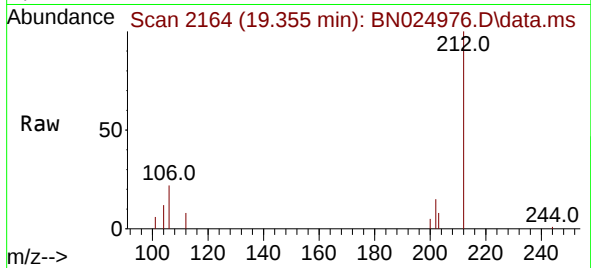




#27
Fluoranthene-d10
Concen: 0.209 ng
RT: 19.355 min Scan# 211
Delta R.T. -0.004 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

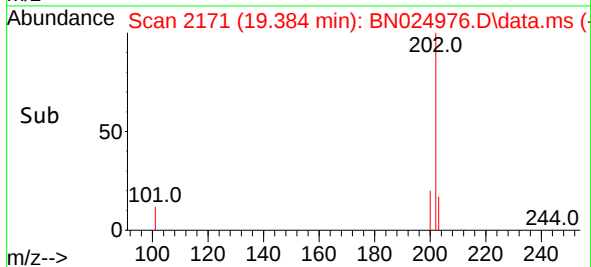
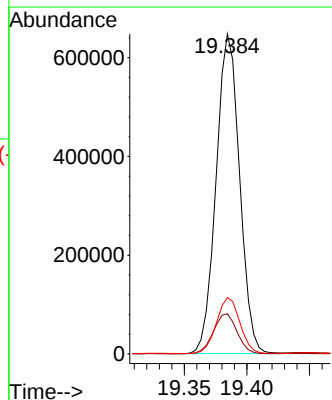
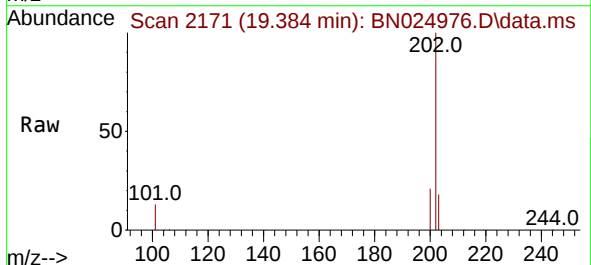
Instrument :
BNA_N
ClientSampleId :
P2-S1-230413

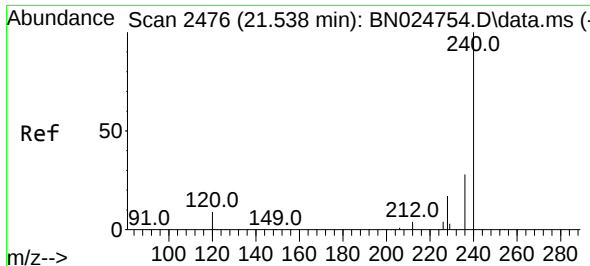
Tgt Ion:212 Resp: 16848
Ion Ratio Lower Upper
212 100
106 17.5 13.2 19.8
104 10.0 7.6 11.4



#28
Fluoranthene
Concen: 7.214 ng
RT: 19.384 min Scan# 2171
Delta R.T. -0.004 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:202 Resp: 844037
Ion Ratio Lower Upper
202 100
101 12.6 10.2 15.4
203 17.4 13.4 20.2

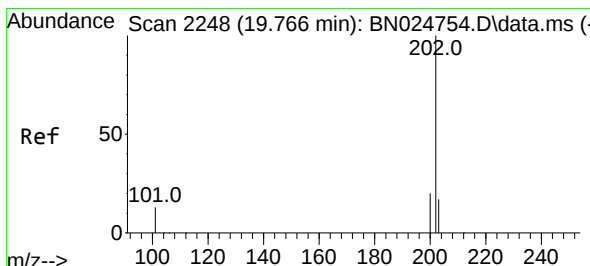
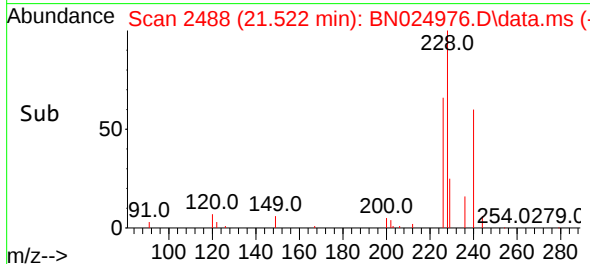
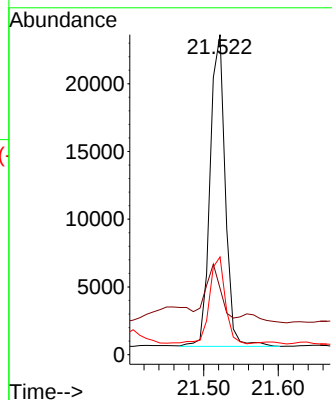
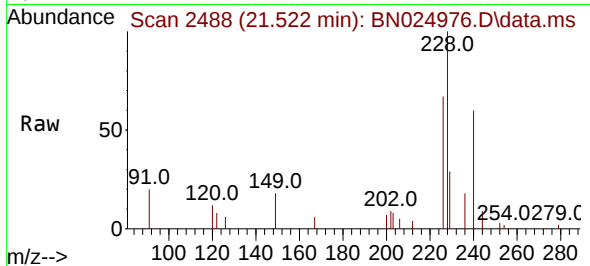




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.522 min Scan# 2476
Delta R.T. -0.000 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

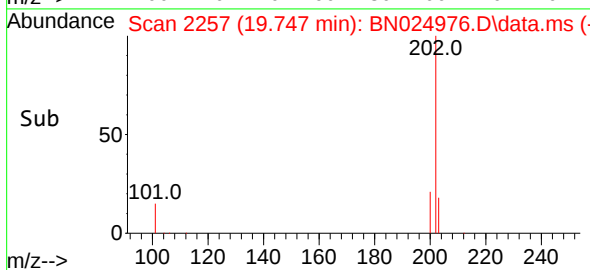
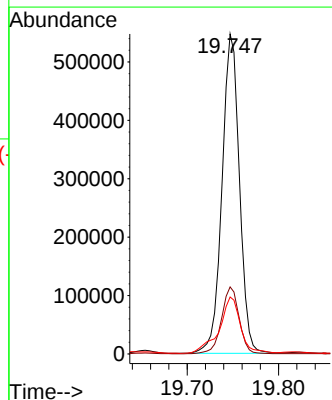
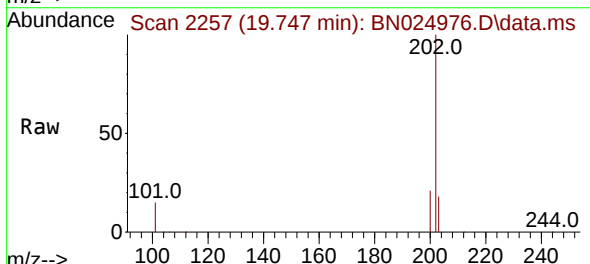
Instrument :
BNA_N
ClientSampleId :
P2-S1-230413

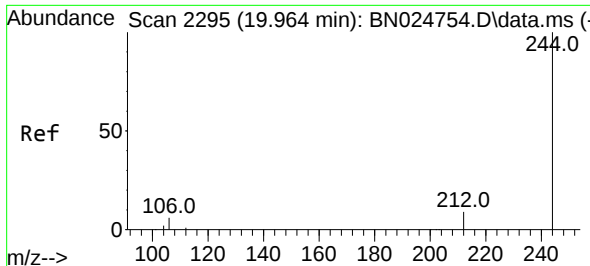
Tgt Ion:240 Resp: 32439
Ion Ratio Lower Upper
240 100
120 20.8 8.8 13.2#
236 30.6 22.6 34.0



#30
Pyrene
Concen: 6.265 ng
RT: 19.747 min Scan# 2257
Delta R.T. -0.004 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:202 Resp: 722421
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 21.4 14.2 21.4#

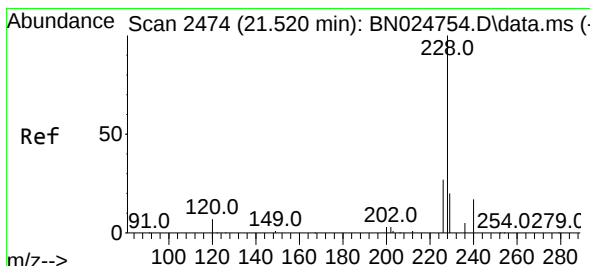
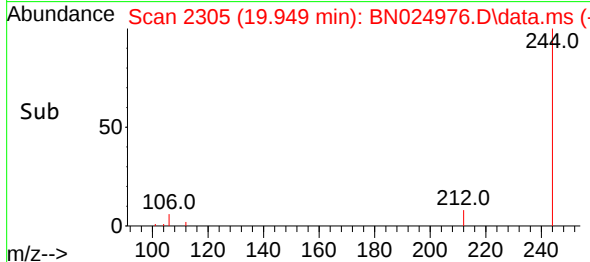
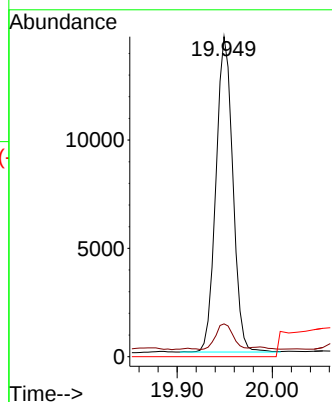
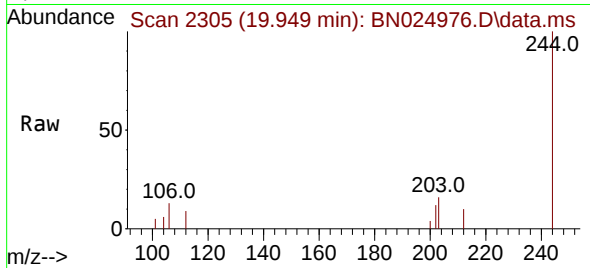




#31
 Terphenyl-d14
 Concen: 0.244 ng
 RT: 19.949 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN024976.D
 Acq: 18 Apr 2023 13:44

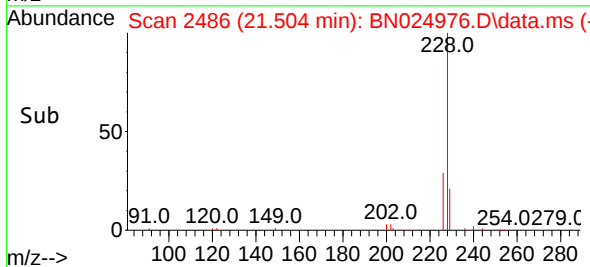
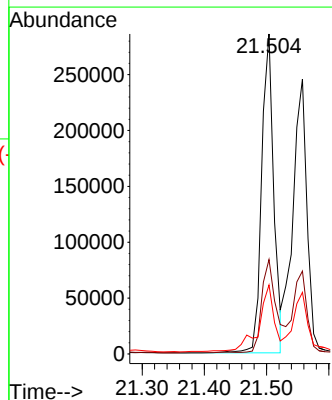
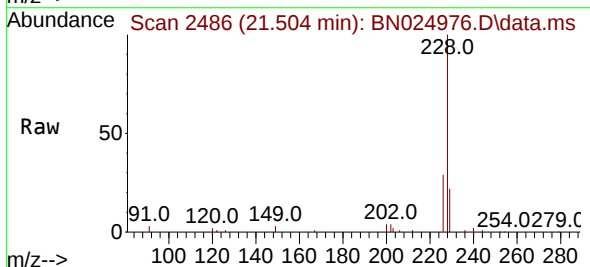
Instrument :
 BNA_N
 ClientSampleId :
 P2-S1-230413

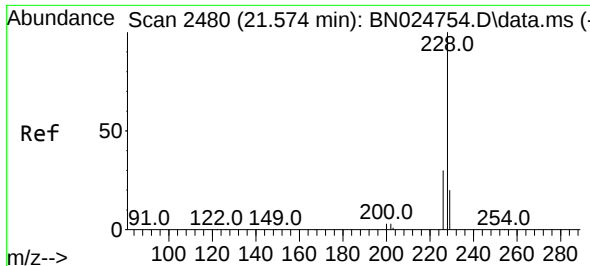
Tgt Ion:244 Resp: 17960
 Ion Ratio Lower Upper
 244 100
 212 10.3 7.4 11.0
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 3.534 ng
 RT: 21.504 min Scan# 2486
 Delta R.T. -0.000 min
 Lab File: BN024976.D
 Acq: 18 Apr 2023 13:44

Tgt Ion:228 Resp: 387570
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.5 32.3
 229 21.6 16.0 24.0





#33

Chrysene

Concen: 3.361 ng

RT: 21.558 min Scan# 2492

Delta R.T. -0.000 min

Lab File: BN024976.D

Acq: 18 Apr 2023 13:44

Instrument :

BNA_N

ClientSampleId :

P2-S1-230413

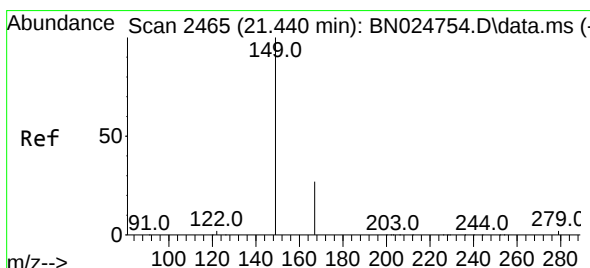
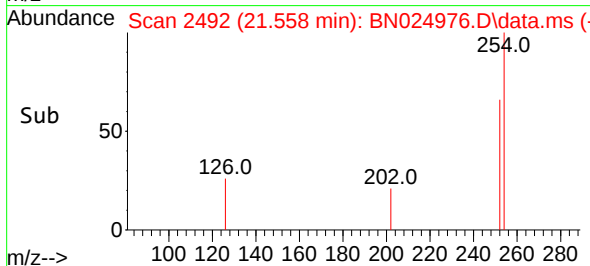
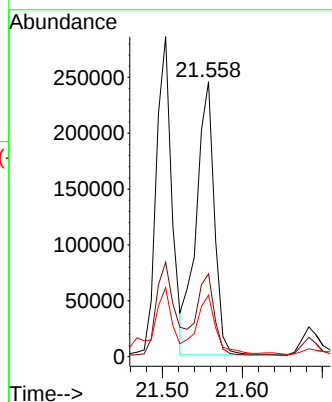
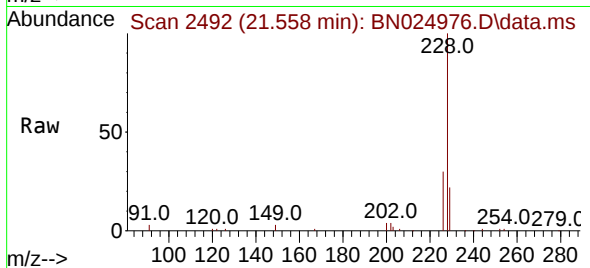
Tgt Ion:228 Resp: 386116

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

229 22.4 16.0 24.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.301 ng

RT: 21.423 min Scan# 2477

Delta R.T. -0.000 min

Lab File: BN024976.D

Acq: 18 Apr 2023 13:44

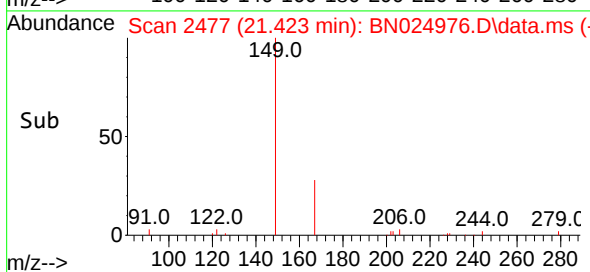
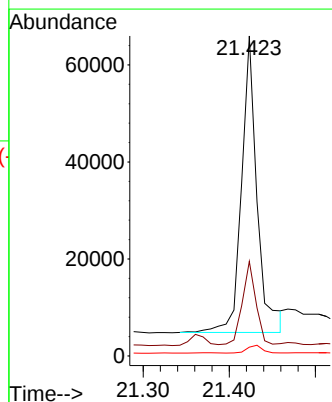
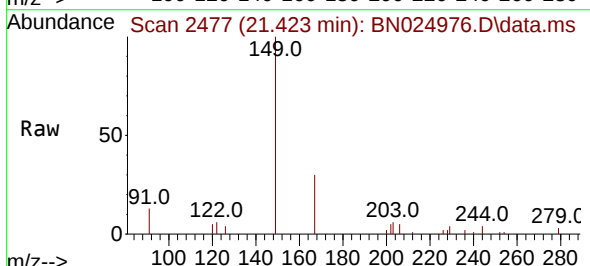
Tgt Ion:149 Resp: 76684

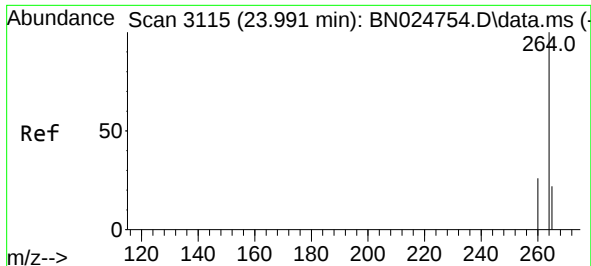
Ion Ratio Lower Upper

149 100

167 24.5 21.4 32.2

279 2.5 2.6 4.0#

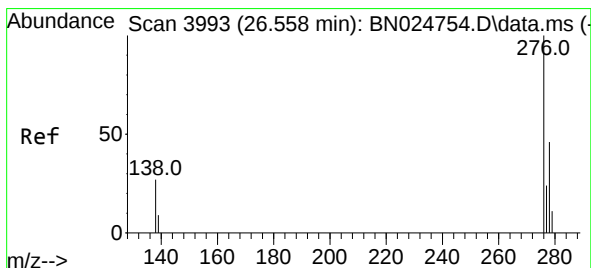
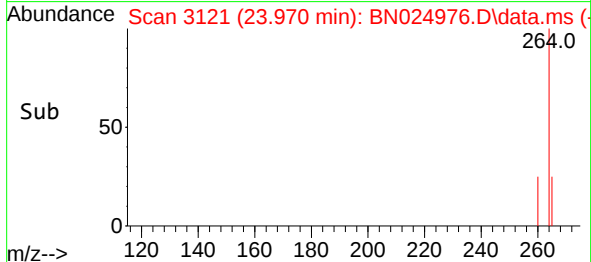
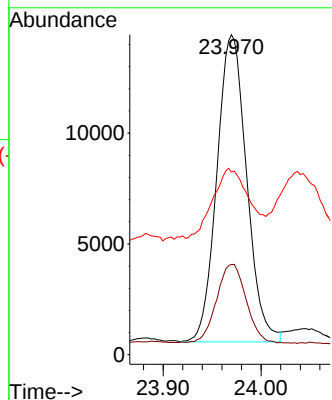
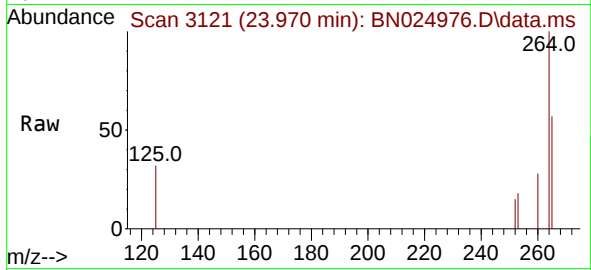




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.970 min Scan# 3115
Delta R.T. -0.003 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

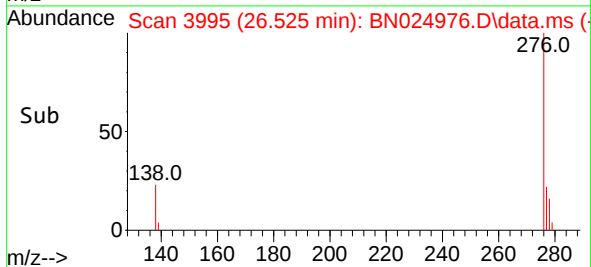
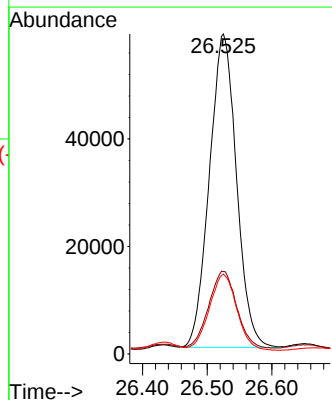
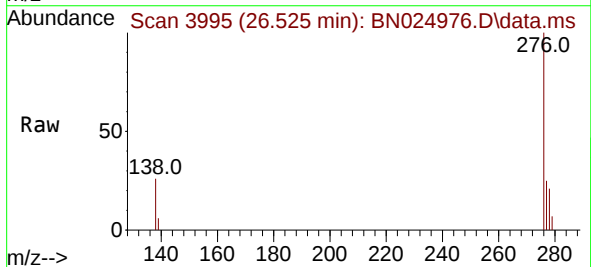
Instrument :
BNA_N
ClientSampleId :
P2-S1-230413

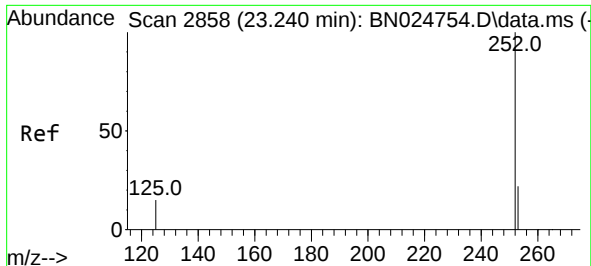
Tgt Ion:264 Resp: 29253
Ion Ratio Lower Upper
264 100
260 28.2 20.8 31.2
265 57.1 46.5 69.7



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.323 ng
RT: 26.525 min Scan# 3995
Delta R.T. -0.009 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:276 Resp: 169716
Ion Ratio Lower Upper
276 100
138 25.3 23.4 35.0
277 24.7 19.8 29.8

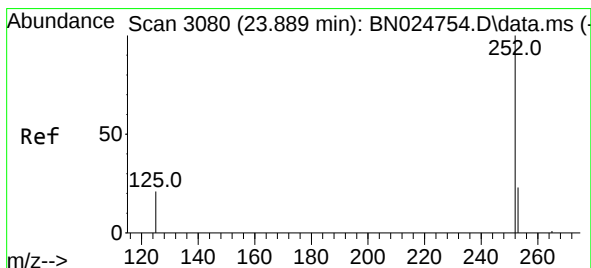
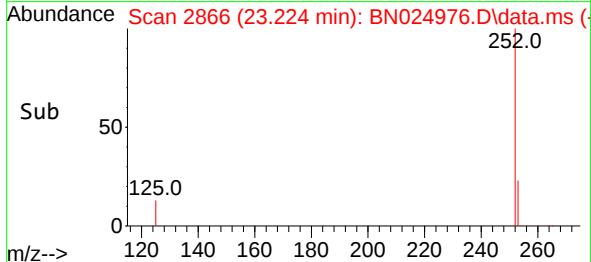
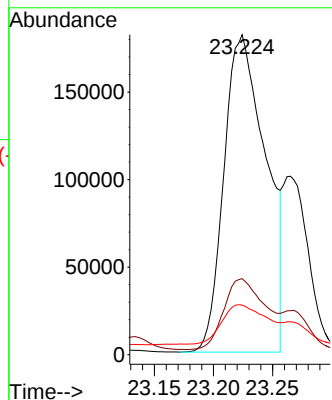
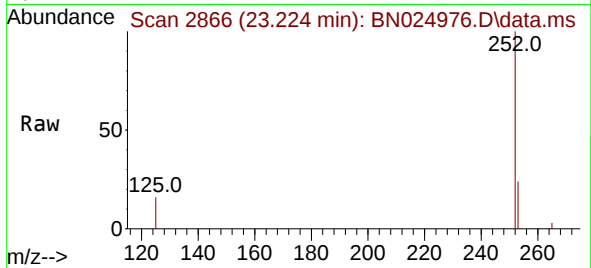




#37
Benzo(b)fluoranthene
Concen: 4.025 ng
RT: 23.224 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

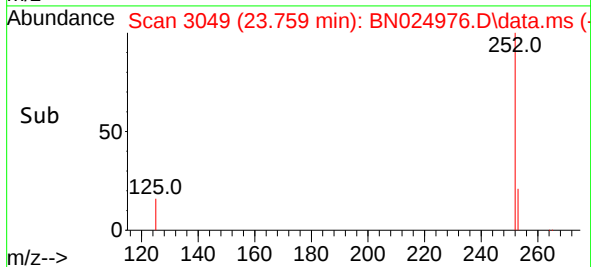
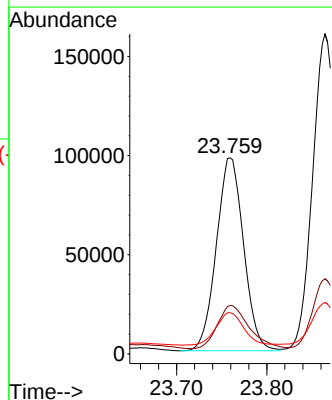
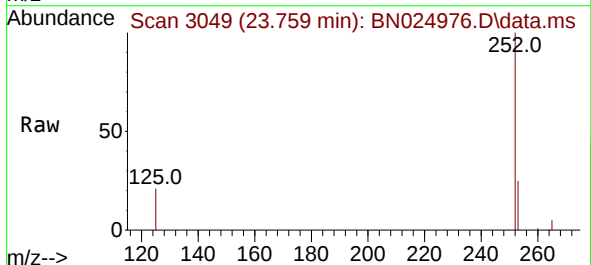
Instrument :
BNA_N
ClientSampleId :
P2-S1-230413

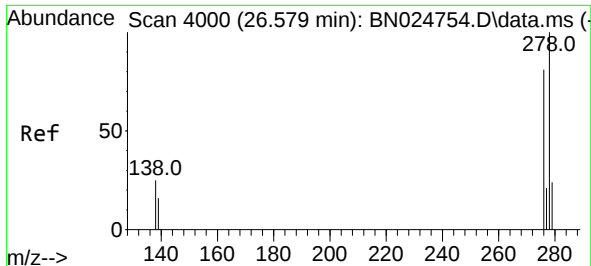
Tgt Ion:252 Resp: 446548
Ion Ratio Lower Upper
252 100
253 23.8 20.0 30.0
125 15.5 14.6 21.8



#39
Benzo(a)pyrene
Concen: 1.924 ng
RT: 23.759 min Scan# 3049
Delta R.T. -0.108 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:252 Resp: 204164
Ion Ratio Lower Upper
252 100
253 24.8 21.0 31.6
125 21.0 20.2 30.4

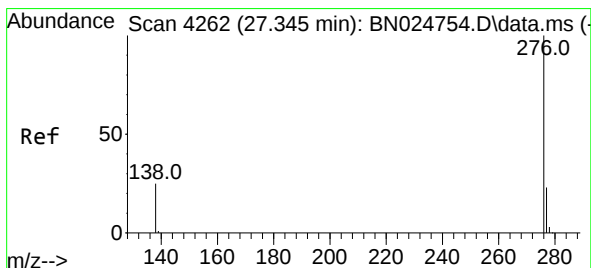
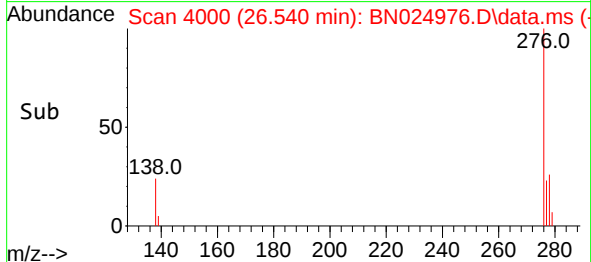
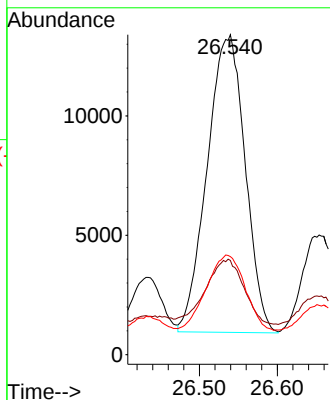
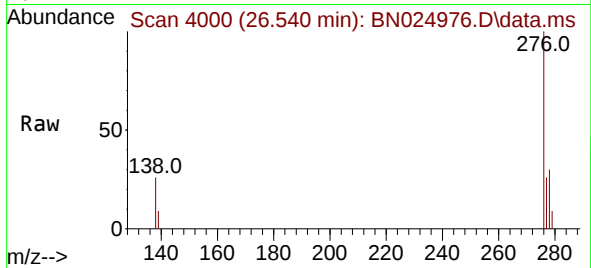




#40
Dibenzo(a,h)anthracene
Concen: 0.417 ng
RT: 26.540 min Scan# 4000
Delta R.T. -0.015 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Instrument :
BNA_N
ClientSampleId :
P2-S1-230413

Tgt Ion:278 Resp: 42137
Ion Ratio Lower Upper
278 100
139 29.4 17.1 25.7#
279 30.7 20.7 31.1



#41
Benzo(g,h,i)perylene
Concen: 1.505 ng
RT: 27.309 min Scan# 4263
Delta R.T. -0.012 min
Lab File: BN024976.D
Acq: 18 Apr 2023 13:44

Tgt Ion:276 Resp: 164564
Ion Ratio Lower Upper
276 100
277 24.4 19.2 28.8
138 26.5 20.9 31.3

