

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062421\
 Data File : BN015013.D
 Acq On : 23 Jun 2021 17:42
 Operator : CG/JU
 Sample : M2795-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B1GW

Quant Time: Jun 24 01:10:40 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN061621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 23 16:24:59 2021
 Response via : Initial Calibration

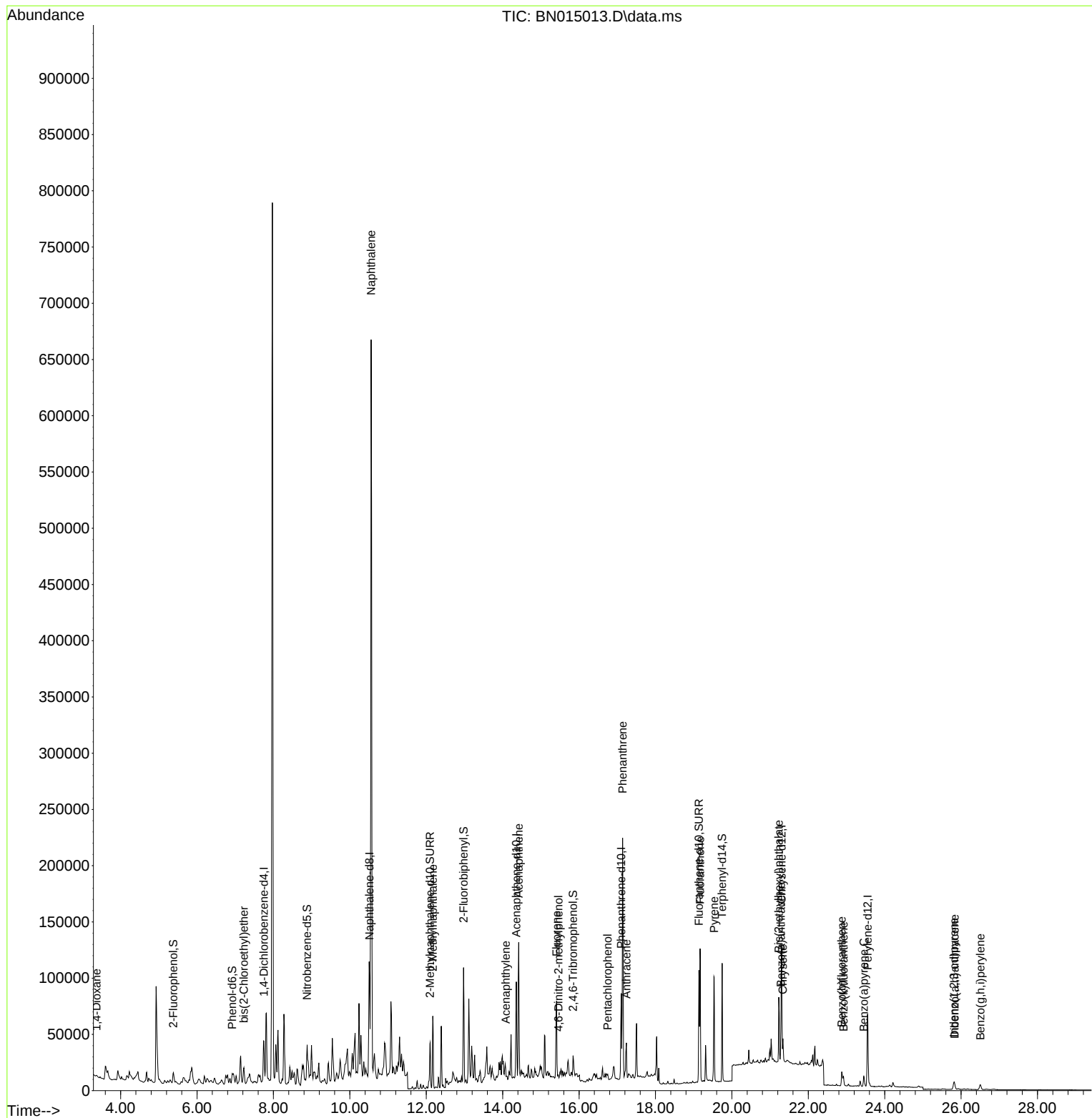
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.750	152	20288	0.40	ng	# 0.00
7) Naphthalene-d8	10.518	136	89874	0.40	ng	# 0.01
13) Acenaphthene-d10	14.358	164	50973	0.40	ng	0.00
19) Phenanthrene-d10	17.103	188	96416	0.40	ng	0.00
29) Chrysene-d12	21.302	240	86427	0.40	ng	# 0.00
35) Perylene-d12	23.554	264	84796	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.380	112	12127	0.19	ng	0.00
5) Phenol-d6	6.920	99	8390	0.11	ng	0.00
8) Nitrobenzene-d5	8.883	82	26920	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.101	152	55695	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.843	330	10430	0.44	ng	0.00
15) 2-Fluorobiphenyl	12.975	172	80068	0.41	ng	0.00
27) Fluoranthene-d10	19.138	212	107333	0.35	ng	0.00
31) Terphenyl-d14	19.744	244	100484	0.47	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.370	88	483	0.06	ng	# 1
6) bis(2-Chloroethyl)ether	7.224	93	19975	0.32	ng	# 30
9) Naphthalene	10.556	128	872058	3.46	ng	97
12) 2-Methylnaphthalene	12.172	142	44647	0.26	ng	# 92
16) Acenaphthylene	14.079	152	5614	0.02	ng	# 49
17) Acenaphthene	14.422	154	66940	0.42	ng	95
18) Fluorene	15.411	166	45987	0.24	ng	99
20) 4,6-Dinitro-2-methylph...	15.462	198	64	0.12	ng	# 1
24) Pentachlorophenol	16.751	266	1225	0.05	ng	99
25) Phenanthrene	17.140	178	223244	0.76	ng	98
26) Anthracene	17.237	178	33669	0.12	ng	# 87
28) Fluoranthene	19.168	202	103516	0.31	ng	# 96
30) Pyrene	19.535	202	85607	0.25	ng	# 96
32) Benzo(a)anthracene	21.281	228	18798	0.06	ng	# 90
33) Chrysene	21.334	228	16602	0.05	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.228	149	54765	0.24	ng	# 88
36) Indeno(1,2,3-cd)pyrene	25.813	276	9647	0.03	ng	# 87
37) Benzo(b)fluoranthene	22.876	252	18157	0.06	ng	# 79
38) Benzo(k)fluoranthene	22.920	252	9926	0.03	ng	# 69
39) Benzo(a)pyrene	23.454	252	12755	0.05	ng	# 76
40) Dibenzo(a,h)anthracene	25.830	278	5081	0.02	ng	# 73
41) Benzo(g,h,i)perylene	26.504	276	9301	0.04	ng	# 83

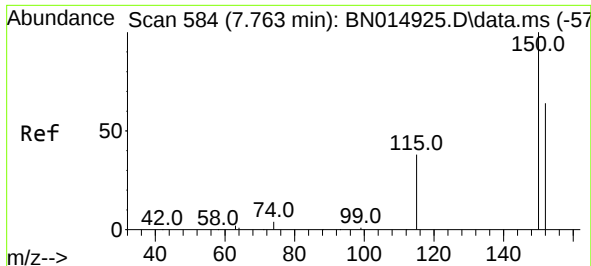
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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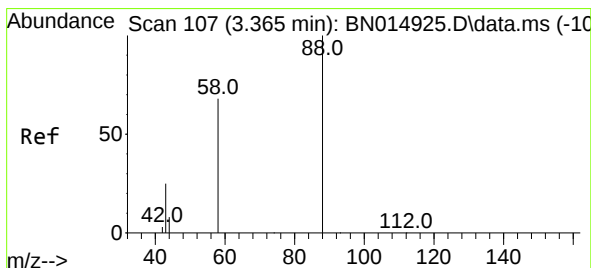
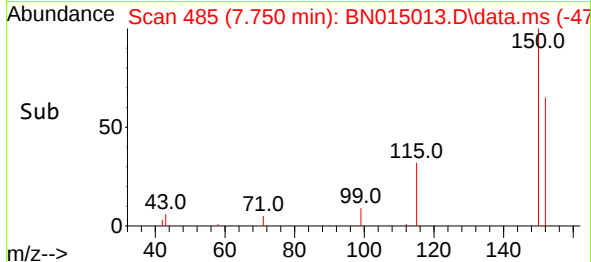
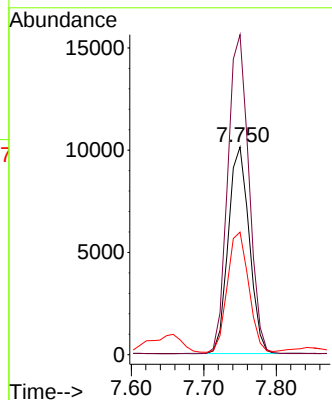
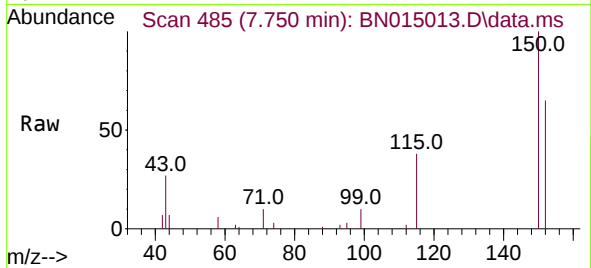




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.750 min Scan# 485
 Delta R.T. -0.000 min
 Lab File: BN015013.D
 Acq: 23 Jun 2021 17:42

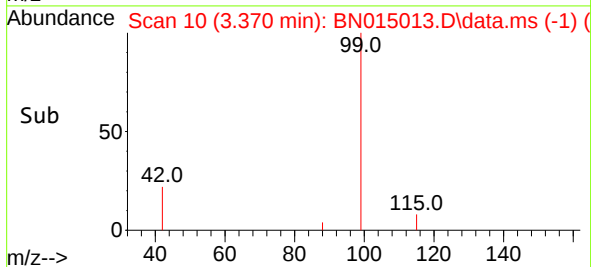
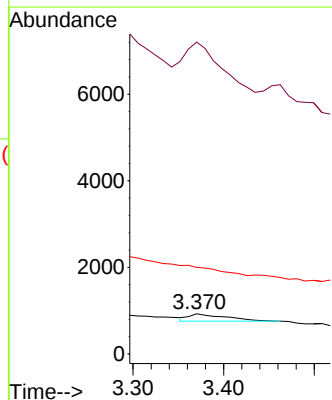
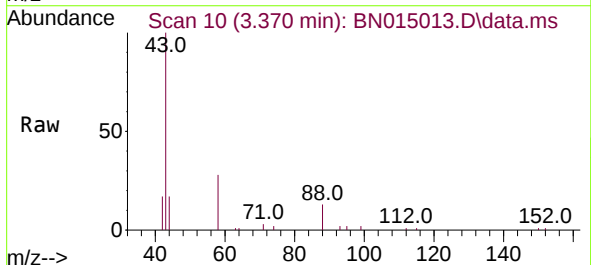
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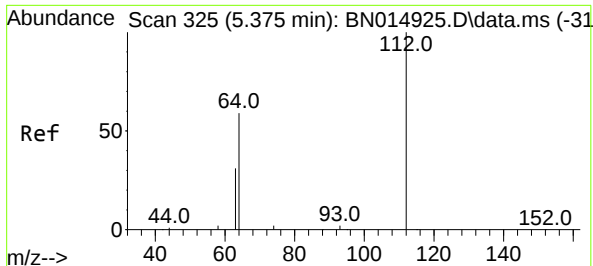
Tgt Ion:152 Resp: 20288
 Ion Ratio Lower Upper
 152 100
 150 154.1 119.0 178.6
 115 59.0 62.2 93.4#



#2
 1,4-Dioxane
 Concen: 0.06 ng
 RT: 3.370 min Scan# 10
 Delta R.T. 0.018 min
 Lab File: BN015013.D
 Acq: 23 Jun 2021 17:42

Tgt Ion: 88 Resp: 483
 Ion Ratio Lower Upper
 88 100
 43 677.0 12.9 19.3#
 58 0.0 38.1 57.1#

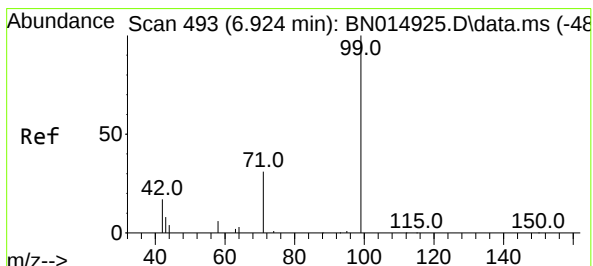
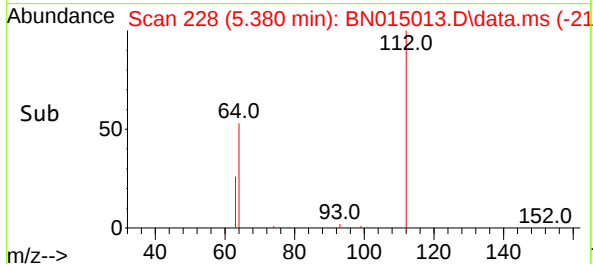
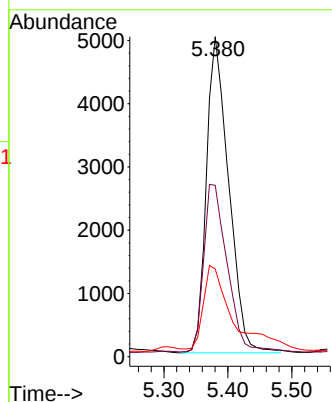
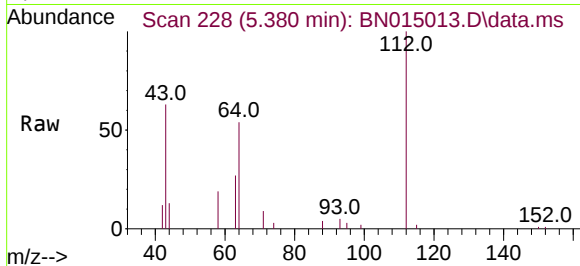




#4
2-Fluorophenol
Concen: 0.19 ng
RT: 5.380 min Scan# 228
Delta R.T. 0.009 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

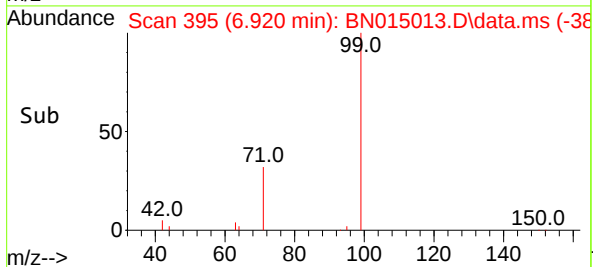
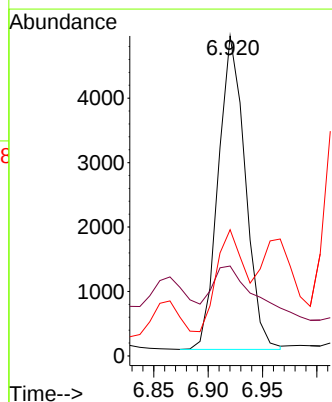
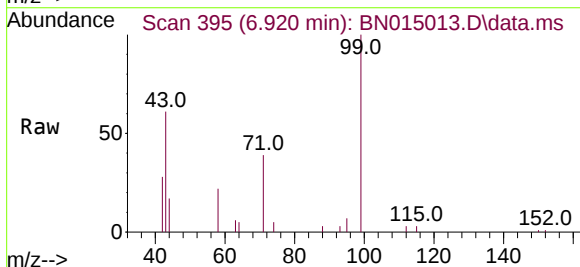
Instrument :
BNA_N
ClientSampleId :
B1GW

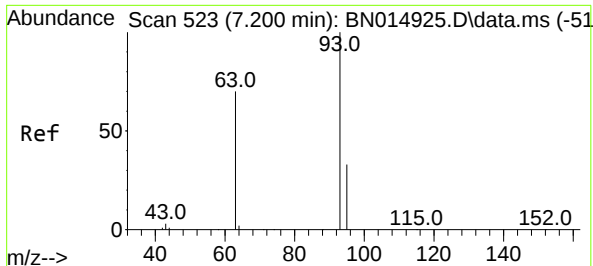
Tgt Ion:112 Resp: 12127
Ion Ratio Lower Upper
112 100
64 55.5 39.0 58.6
63 33.1 20.6 30.8#



#5
Phenol-d6
Concen: 0.11 ng
RT: 6.920 min Scan# 395
Delta R.T. 0.009 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion: 99 Resp: 8390
Ion Ratio Lower Upper
99 100
42 19.4 8.9 13.3#
71 33.7 35.6 53.4#

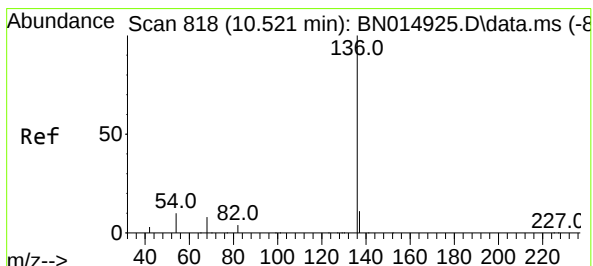
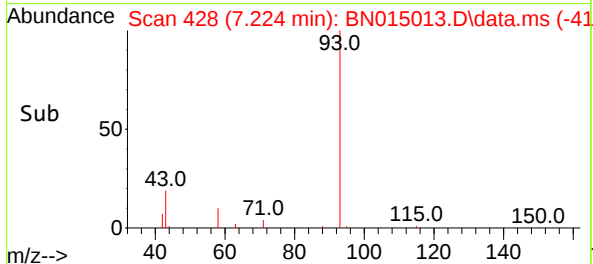
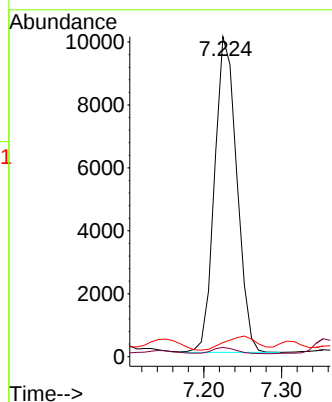
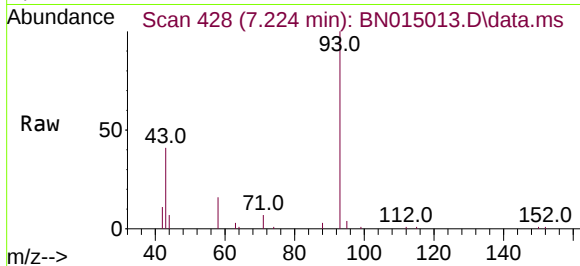




#6
bis(2-Chloroethyl)ether
Concen: 0.32 ng
RT: 7.224 min Scan# 428
Delta R.T. 0.046 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

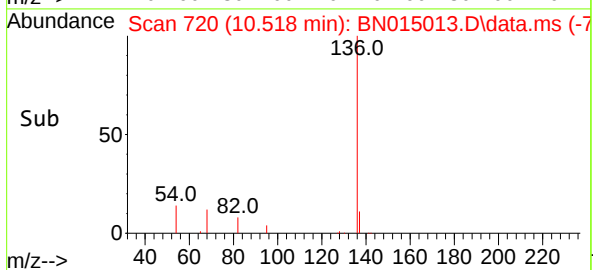
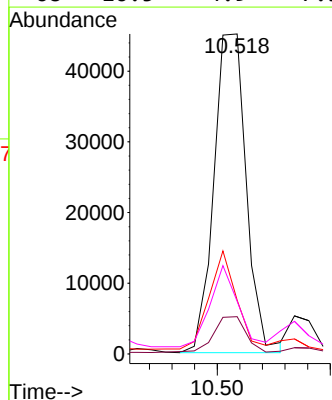
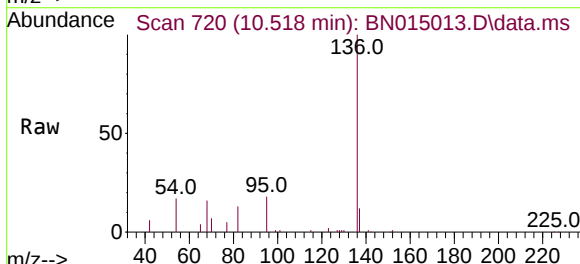
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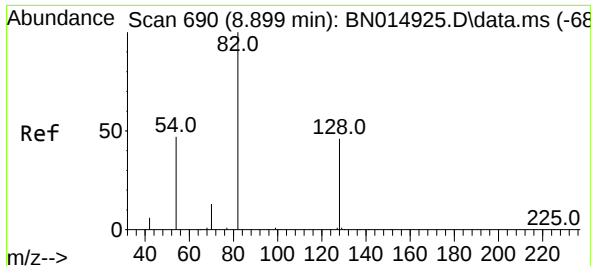
Tgt Ion: 93 Resp: 19975
Ion Ratio Lower Upper
93 100
63 2.1 46.6 70.0#
95 0.0 28.6 42.8#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.518 min Scan# 720
Delta R.T. 0.012 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion: 136 Resp: 89874
Ion Ratio Lower Upper
136 100
137 11.6 9.8 14.8
54 16.8 5.4 8.2#
68 16.5 4.9 7.3#

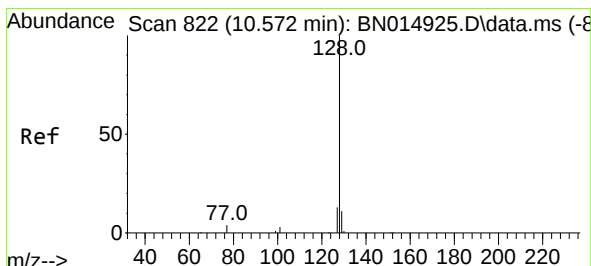
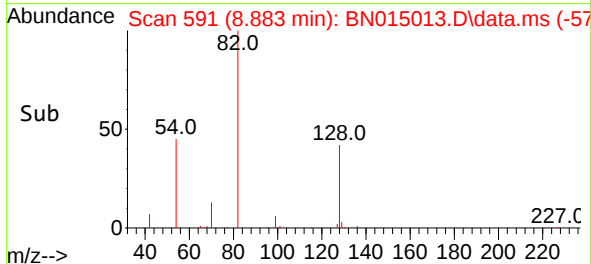
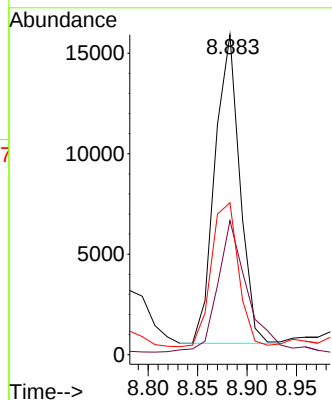
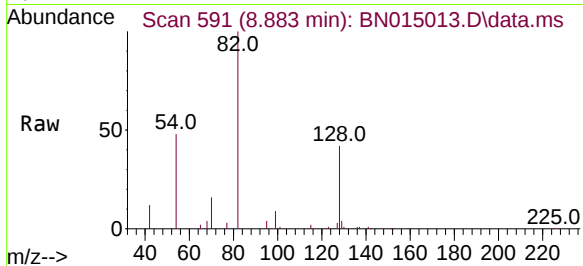




#8
Nitrobenzene-d5
Concen: 0.40 ng
RT: 8.883 min Scan# 591
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

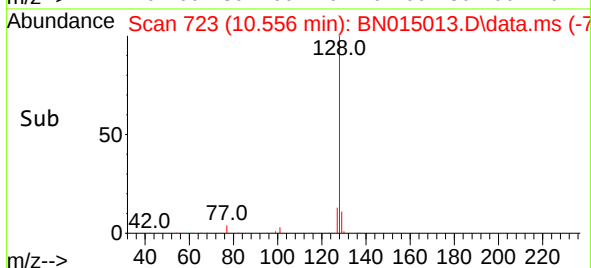
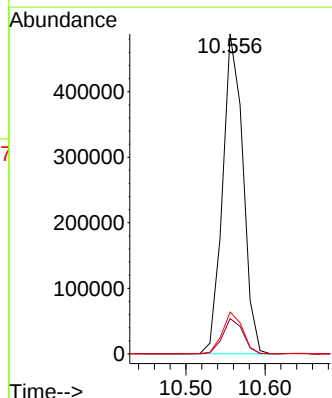
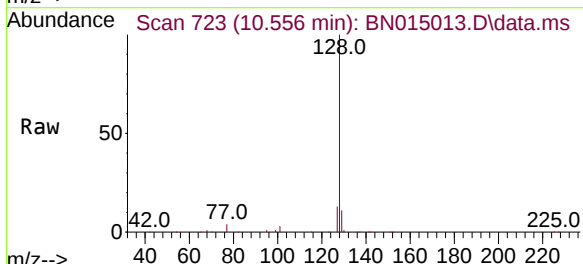
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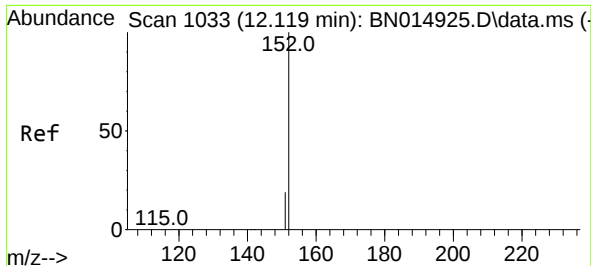
Tgt Ion: 82 Resp: 26920
Ion Ratio Lower Upper
82 100
128 41.9 31.6 47.4
54 47.5 29.0 43.4#



#9
Naphthalene
Concen: 3.46 ng
RT: 10.556 min Scan# 723
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion: 128 Resp: 872058
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.1 11.8 17.6

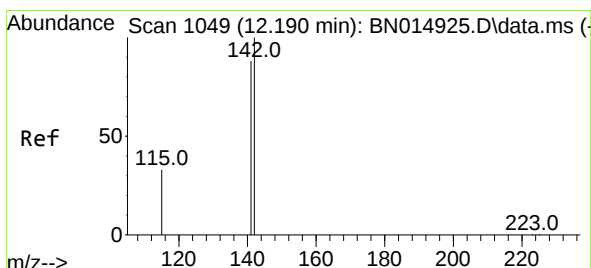
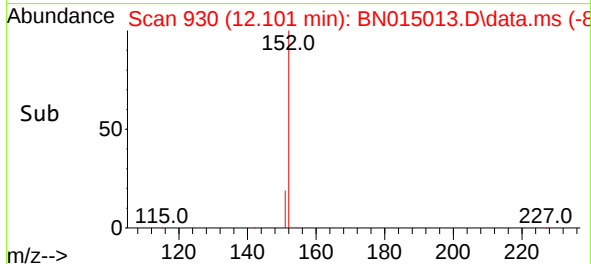
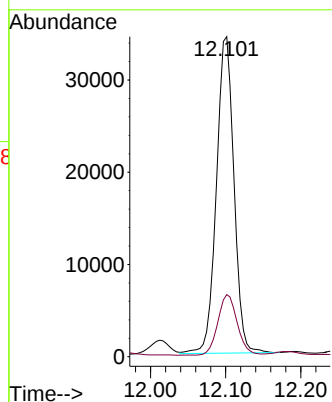
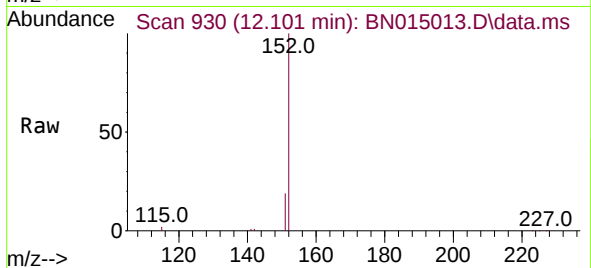




#11
2-Methylnaphthalene-d10
Concen: 0.36 ng
RT: 12.101 min Scan# 930
Delta R.T. 0.004 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

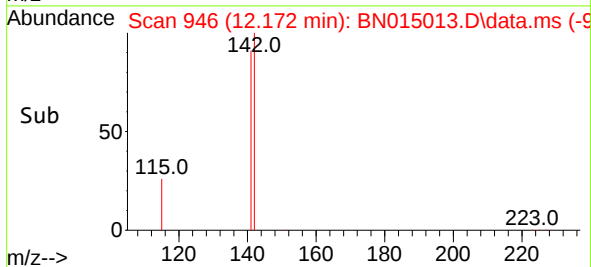
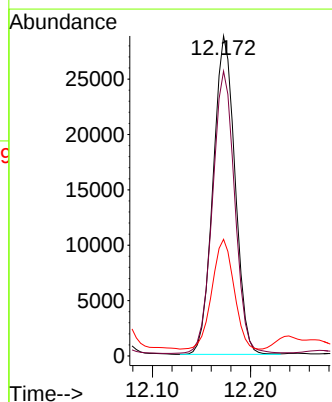
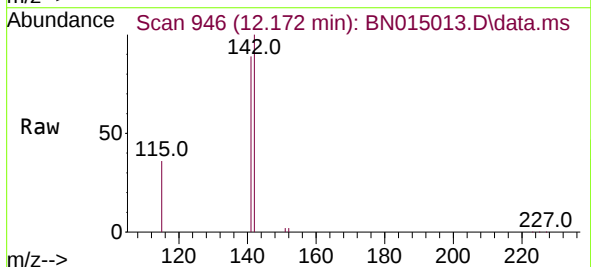
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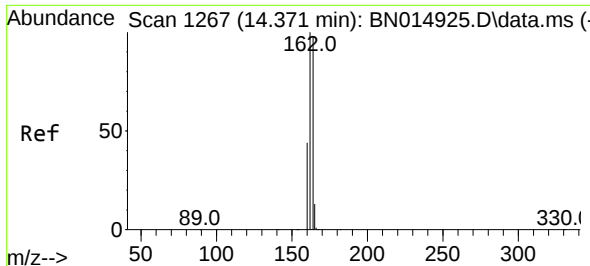
Tgt Ion:152 Resp: 55695
Ion Ratio Lower Upper
152 100
151 21.3 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.26 ng
RT: 12.172 min Scan# 946
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion:142 Resp: 44647
Ion Ratio Lower Upper
142 100
141 89.0 72.3 108.5
115 36.5 40.7 61.1#

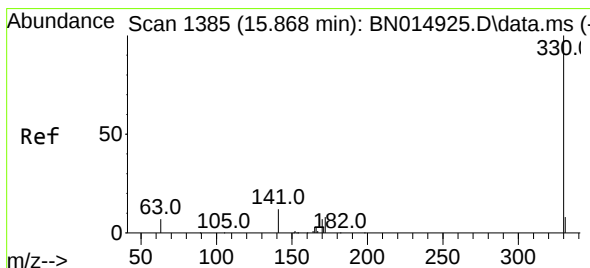
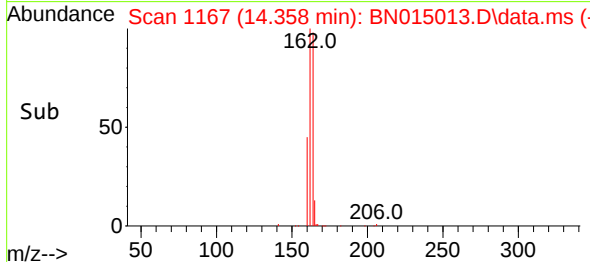
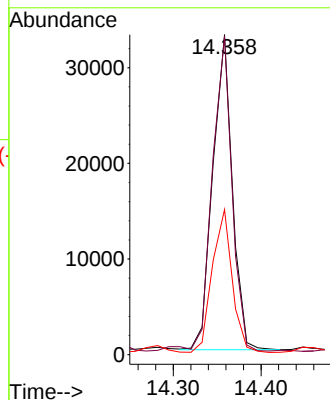
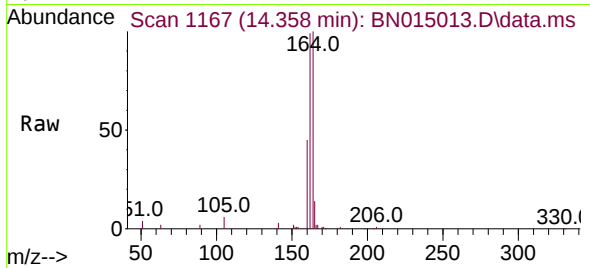




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.358 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

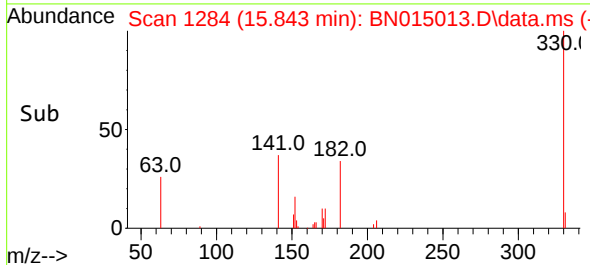
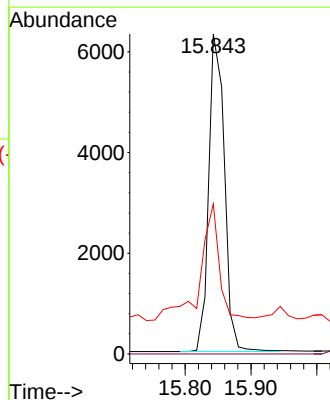
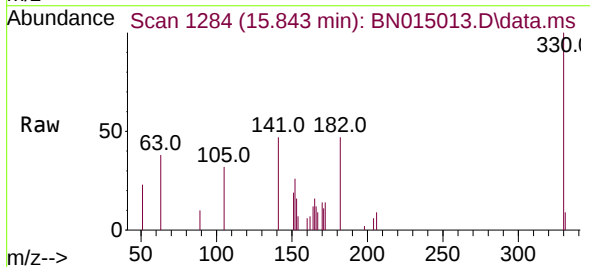
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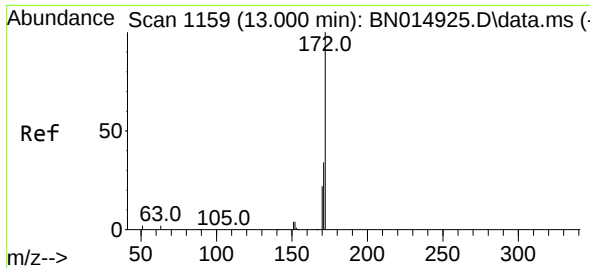
Tgt Ion:164 Resp: 50973
Ion Ratio Lower Upper
164 100
162 99.5 83.8 125.6
160 45.4 37.4 56.0



#14
2,4,6-Tribromophenol
Concen: 0.44 ng
RT: 15.843 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion:330 Resp: 10430
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.7 22.4 33.6#

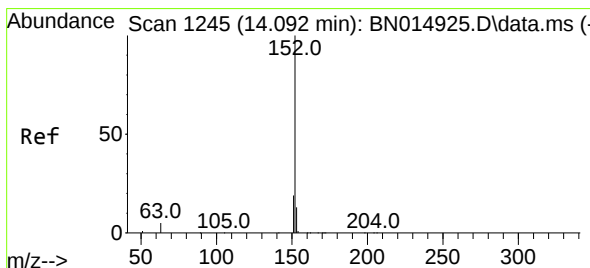
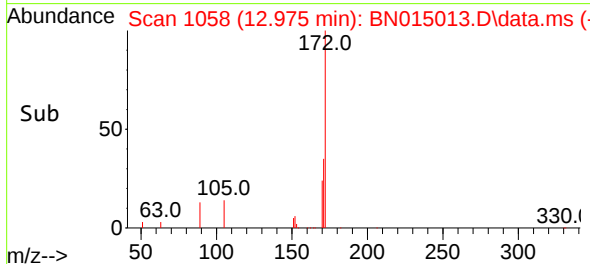
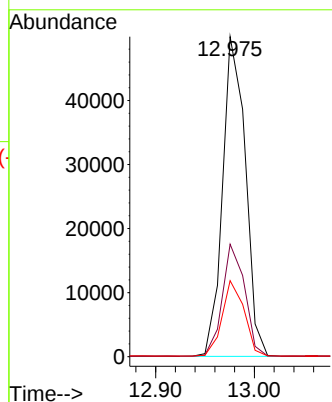
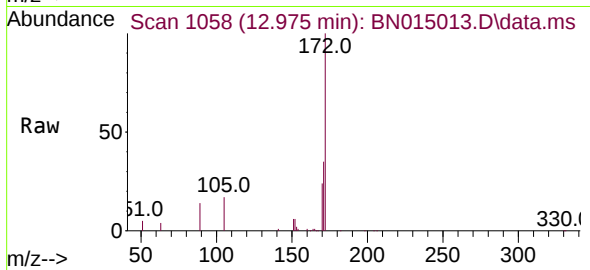




#15
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 12.975 min Scan# 1058
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

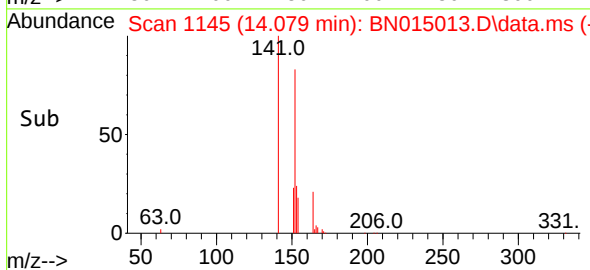
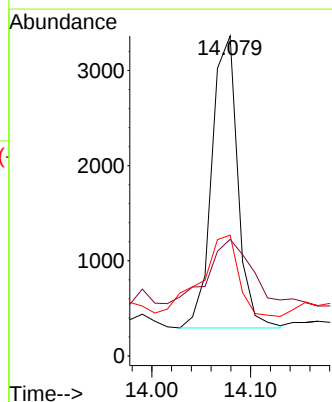
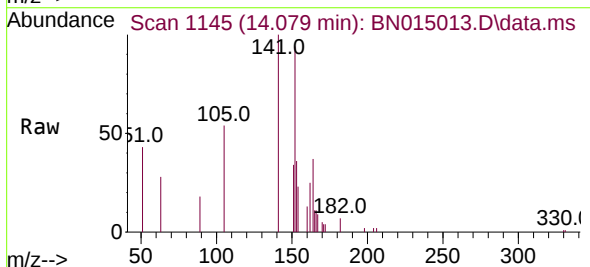
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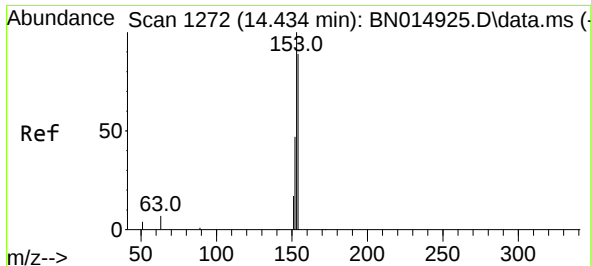
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Ion Ratio Lower Upper
172 100
171 35.1 30.6 45.8
170 23.8 20.2 30.4



#16
Acenaphthylene
Concen: 0.02 ng
RT: 14.079 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion:152 Resp: 5614
Ion Ratio Lower Upper
152 100
151 39.8 16.7 25.1#
153 40.2 10.5 15.7#

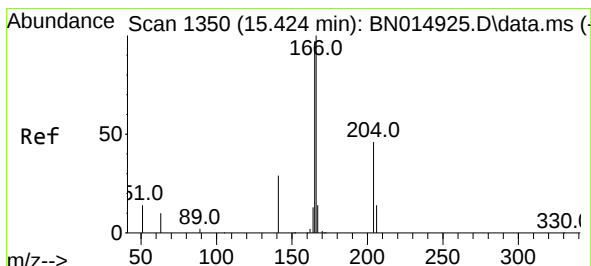
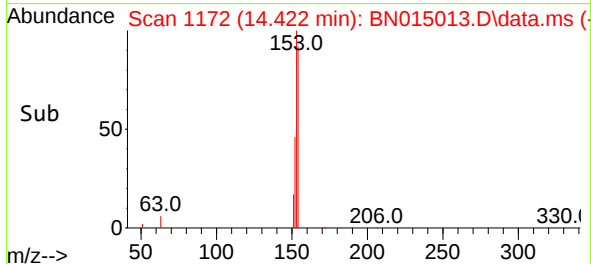
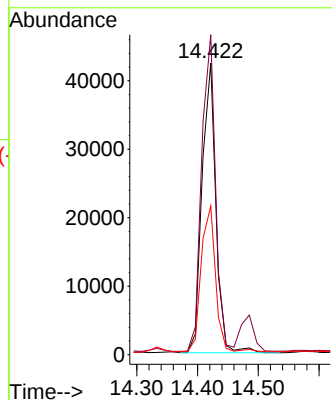
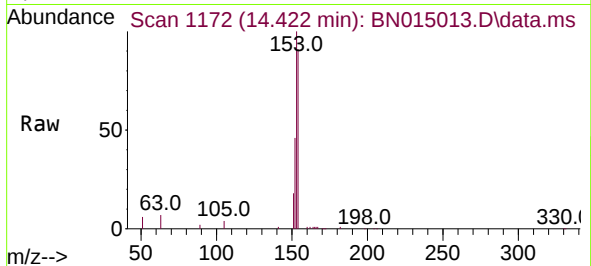




#17
Acenaphthene
Concen: 0.42 ng
RT: 14.422 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

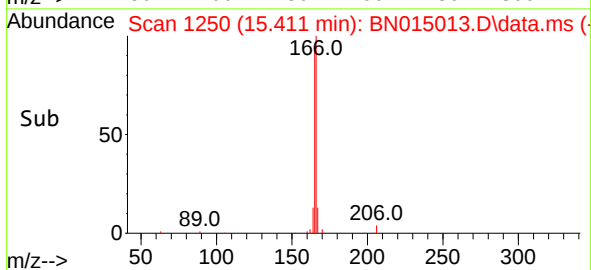
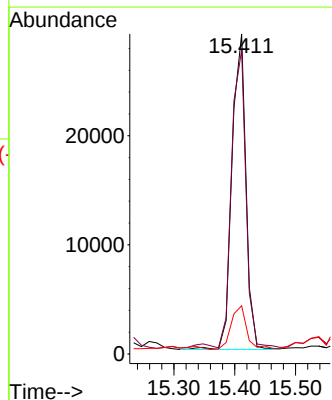
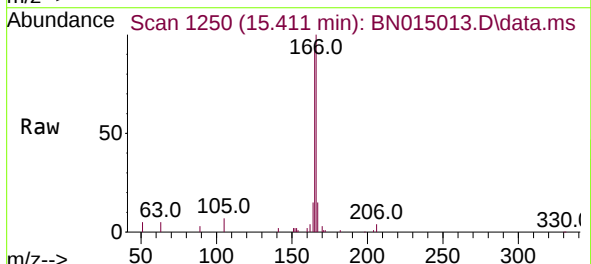
Instrument :
BNA_N
ClientSampleId :
B1GW

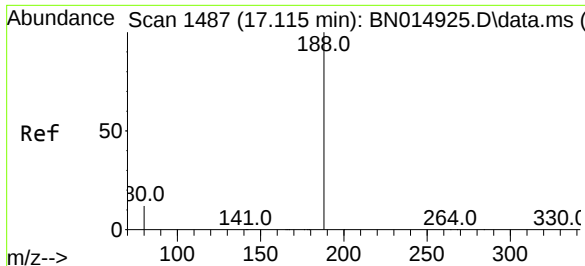
Tgt Ion:154 Resp: 66940
Ion Ratio Lower Upper
154 100
153 109.8 90.9 136.3
152 51.9 45.8 68.8



#18
Fluorene
Concen: 0.24 ng
RT: 15.411 min Scan# 1250
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion:166 Resp: 45987
Ion Ratio Lower Upper
166 100
165 98.6 79.2 118.8
167 15.6 10.7 16.1

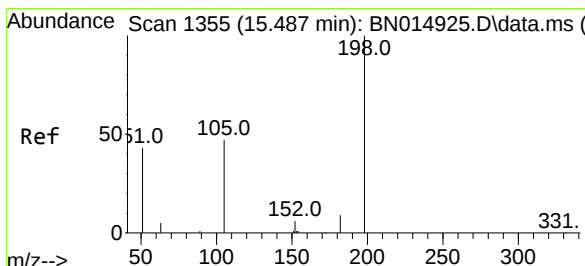
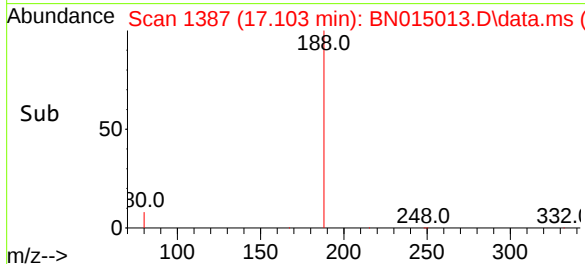
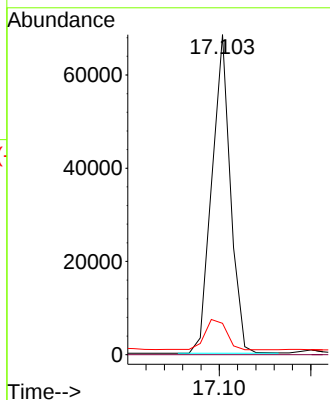
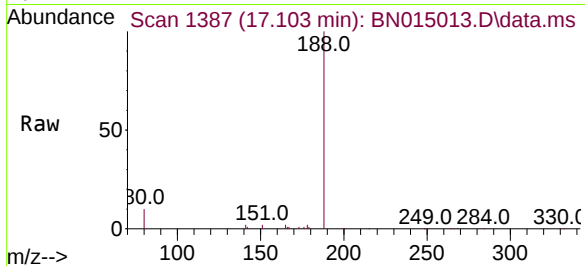




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.103 min Scan# 1387
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

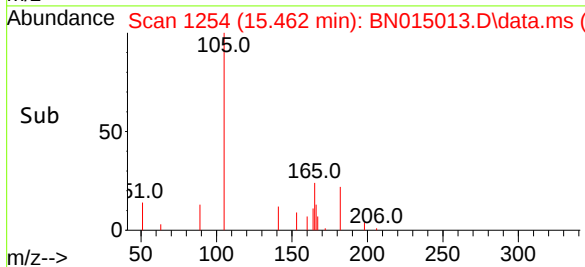
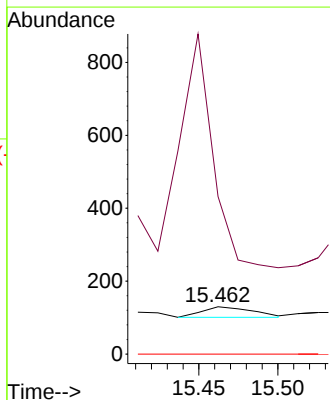
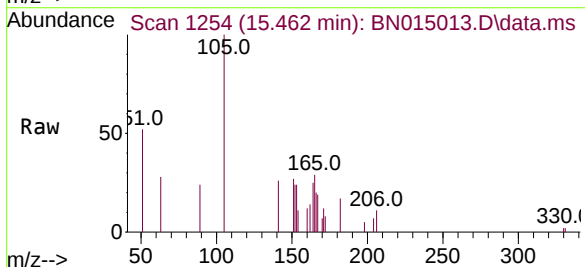
Instrument :
BNA_N
ClientSampleId :
B1GW

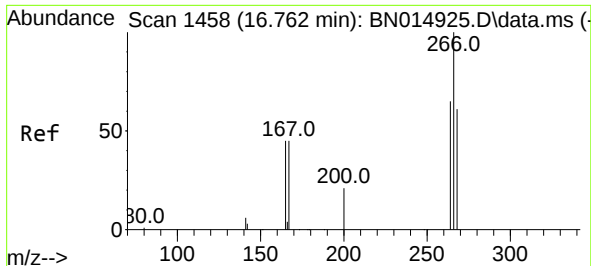
Tgt Ion:188	Resp:	96416
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	9.8	13.4



#20
4,6-Dinitro-2-methylphenol
Concen: 0.12 ng
RT: 15.462 min Scan# 1254
Delta R.T. -0.013 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion:198	Resp:	64
Ion Ratio	Lower	Upper
198	100	
182	332.3	34.5
77	0.0	0.0

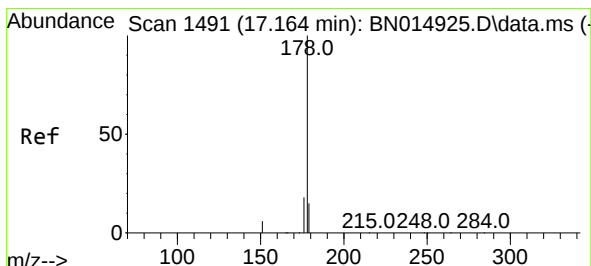
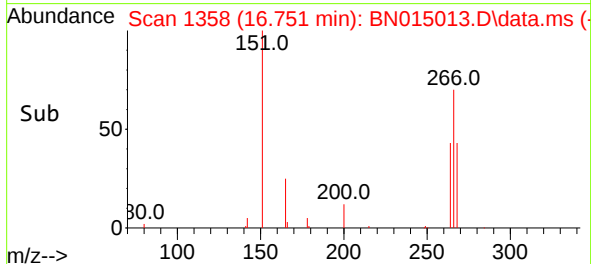
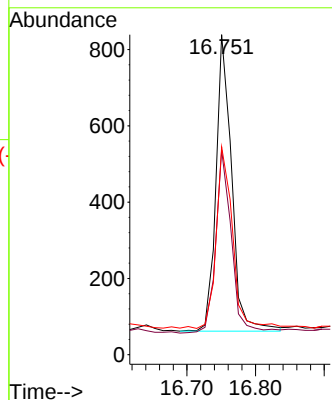
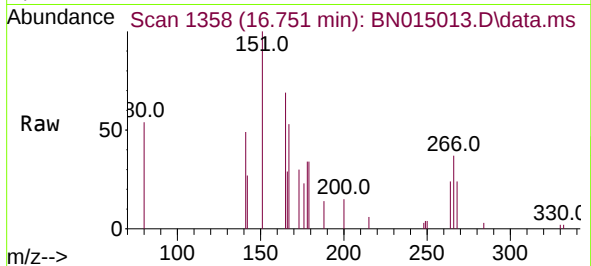




#24
Pentachlorophenol
Concen: 0.05 ng
RT: 16.751 min Scan# 1358
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

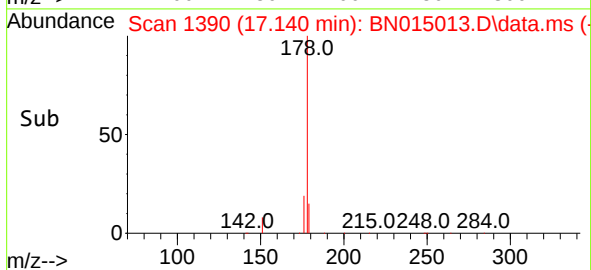
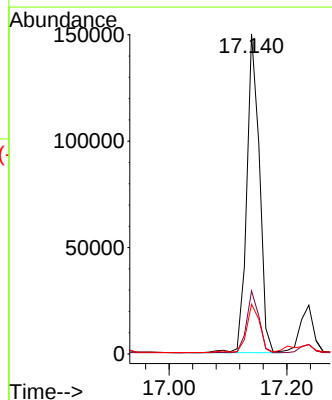
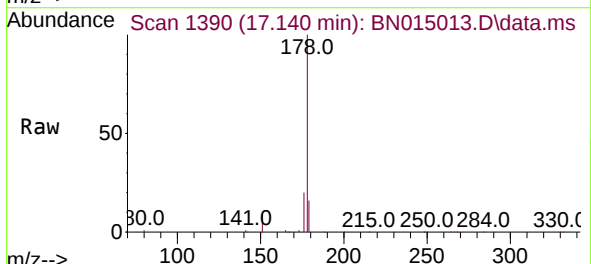
Instrument :
BNA_N
ClientSampleId :
B1GW

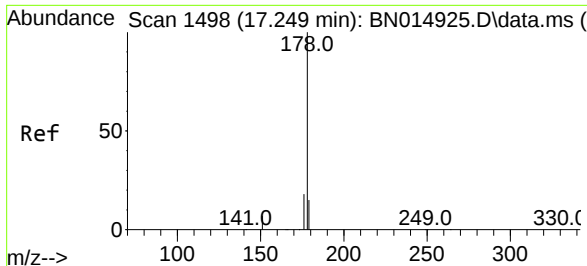
Tgt Ion:266 Resp: 1225
Ion Ratio Lower Upper
266 100
264 62.1 51.0 76.4
268 63.9 50.6 76.0



#25
Phenanthrene
Concen: 0.76 ng
RT: 17.140 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion:178 Resp: 223244
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 16.0 12.1 18.1



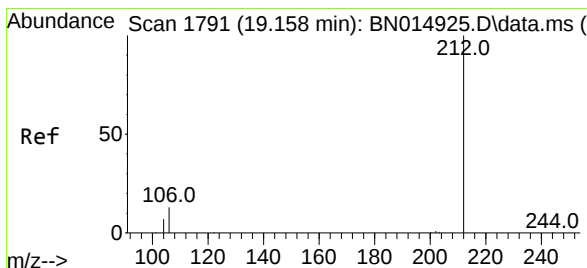
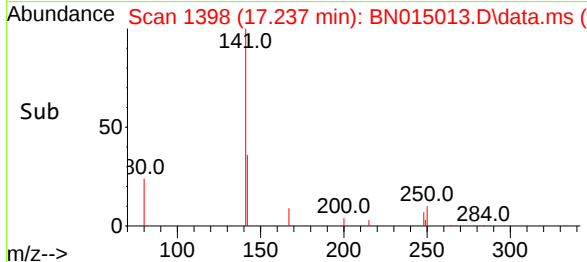
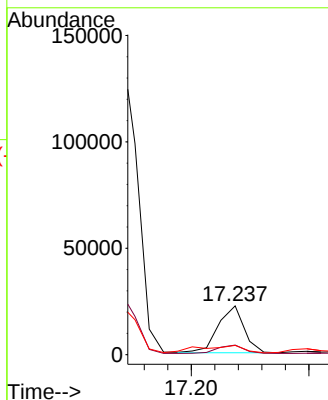
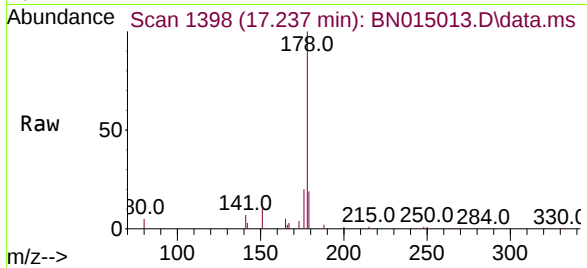


#26
 Anthracene
 Concen: 0.12 ng
 RT: 17.237 min Scan# 1398
 Delta R.T. -0.000 min
 Lab File: BN015013.D
 Acq: 23 Jun 2021 17:42

Instrument :
 BNA_N
 ClientSampleId :
 B1GW

Tgt Ion:178 Resp: 33669

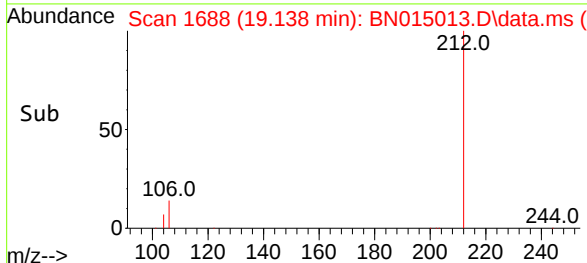
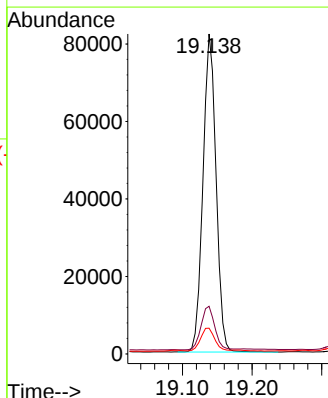
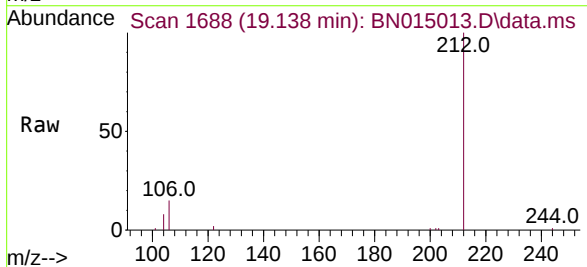
Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.1	22.7
179	26.7	12.2	18.2#

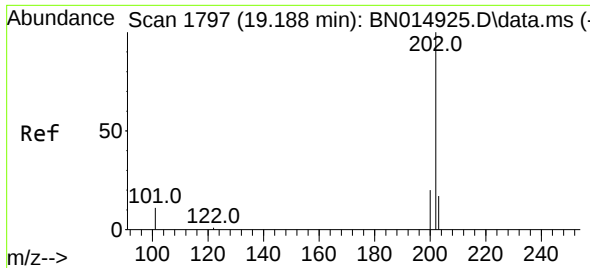


#27
 Fluoranthene-d10
 Concen: 0.35 ng
 RT: 19.138 min Scan# 1688
 Delta R.T. -0.000 min
 Lab File: BN015013.D
 Acq: 23 Jun 2021 17:42

Tgt Ion:212 Resp: 107333

Ion	Ratio	Lower	Upper
212	100		
106	14.3	7.0	10.6#
104	7.7	4.1	6.1#

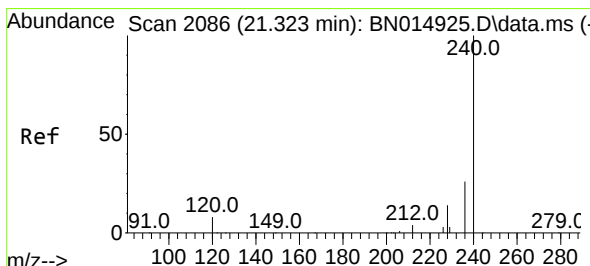
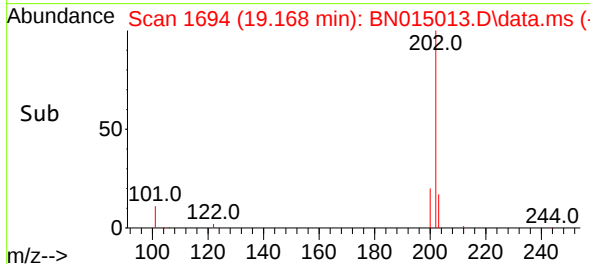
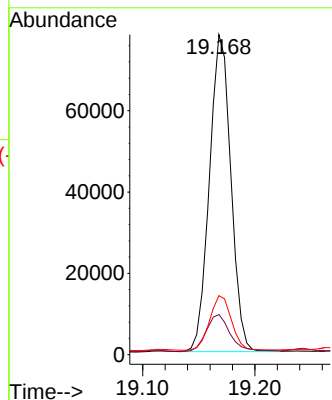
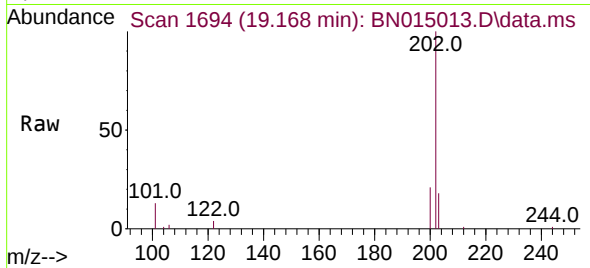




#28
Fluoranthene
Concen: 0.31 ng
RT: 19.168 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

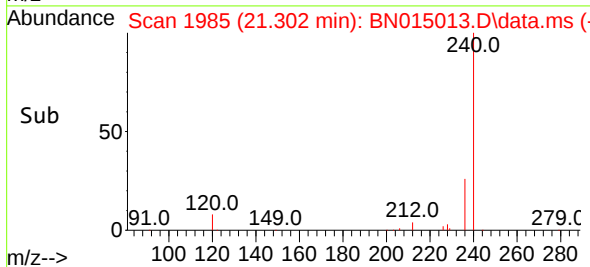
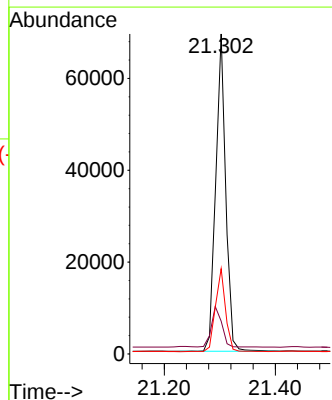
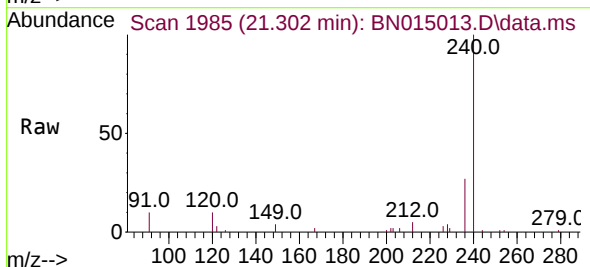
Instrument :
BNA_N
ClientSampleId :
B1GW

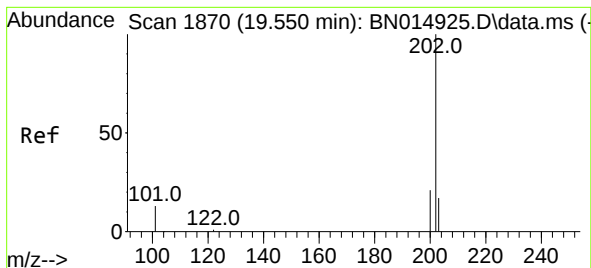
Tgt Ion:202 Resp: 103516
Ion Ratio Lower Upper
202 100
101 13.1 6.6 10.0#
203 17.4 13.9 20.9



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.302 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion:240 Resp: 86427
Ion Ratio Lower Upper
240 100
120 10.2 4.2 6.4#
236 26.6 21.4 32.2





#30

Pyrene

Concen: 0.25 ng

RT: 19.535 min Scan# 1768

Delta R.T. -0.000 min

Lab File: BN015013.D

Acq: 23 Jun 2021 17:42

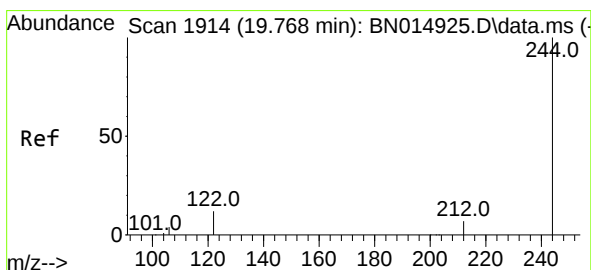
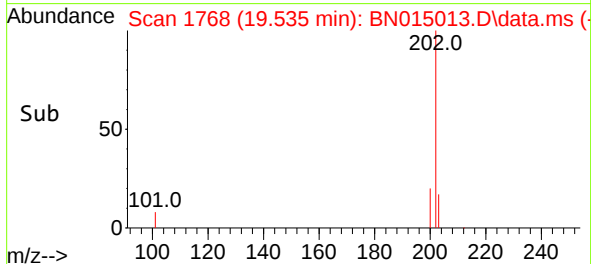
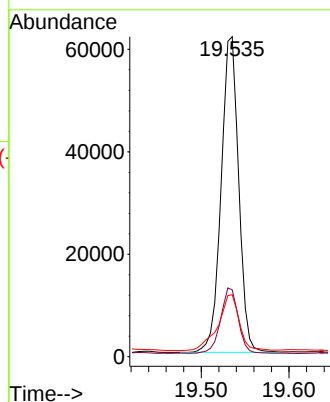
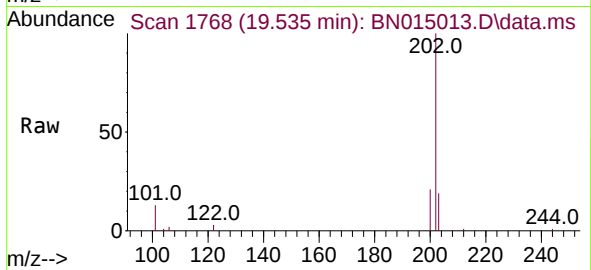
Tgt Ion:	202	Resp:	85607
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.9	25.3
203	21.4	13.9	20.9#

Instrument :

BNA_N

ClientSampleId :

B1GW



#31

Terphenyl-d14

Concen: 0.47 ng

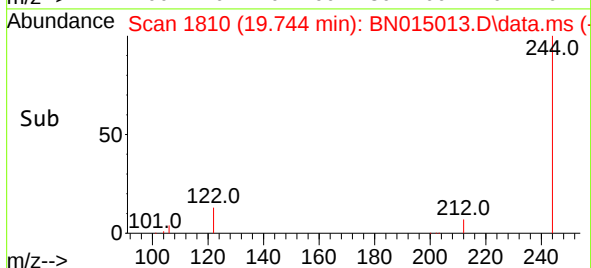
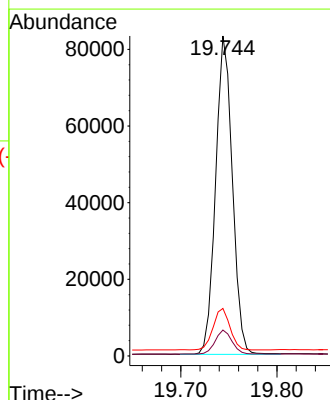
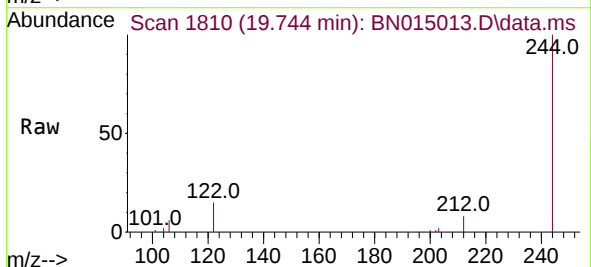
RT: 19.744 min Scan# 1810

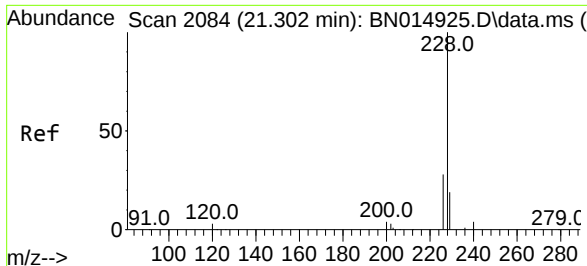
Delta R.T. -0.000 min

Lab File: BN015013.D

Acq: 23 Jun 2021 17:42

Tgt Ion:	244	Resp:	100484
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.3	9.5
122	14.9	6.2	9.2#

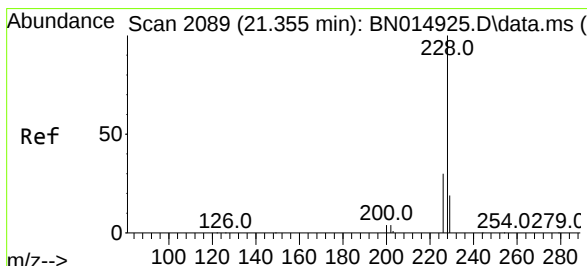
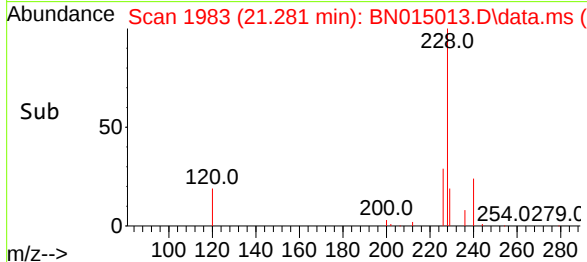
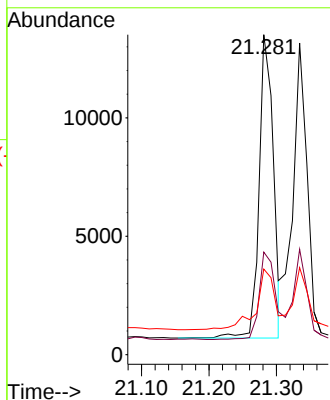
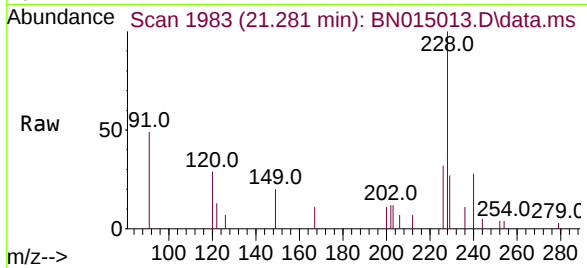




#32
Benzo(a)anthracene
Concen: 0.06 ng
RT: 21.281 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

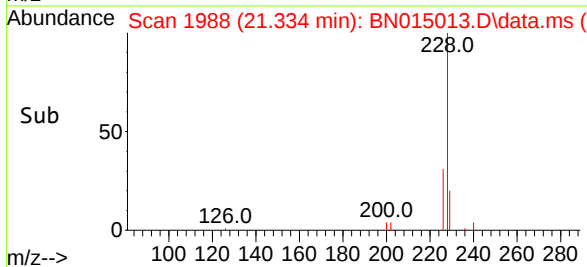
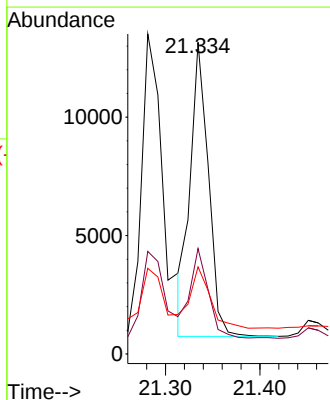
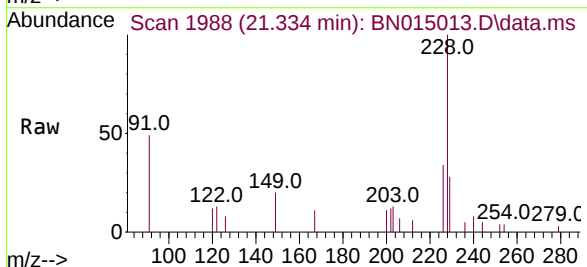
Instrument :
BNA_N
ClientSampleId :
B1GW

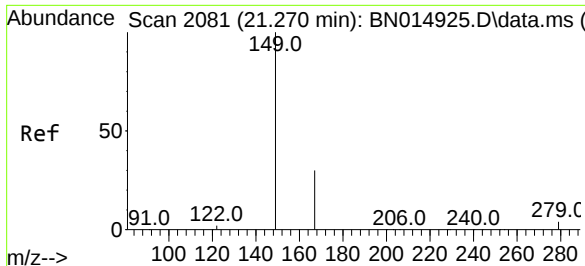
Tgt Ion:228 Resp: 18798
Ion Ratio Lower Upper
228 100
226 32.1 23.0 34.6
229 26.7 15.7 23.5#



#33
Chrysene
Concen: 0.05 ng
RT: 21.334 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion:228 Resp: 16602
Ion Ratio Lower Upper
228 100
226 33.8 25.0 37.6
229 28.0 15.9 23.9#

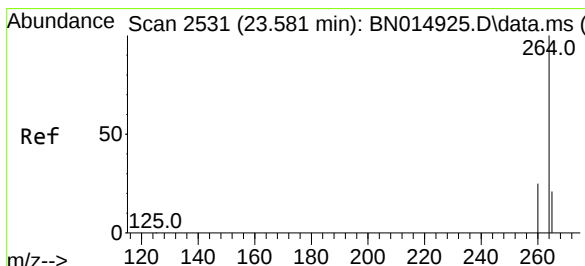
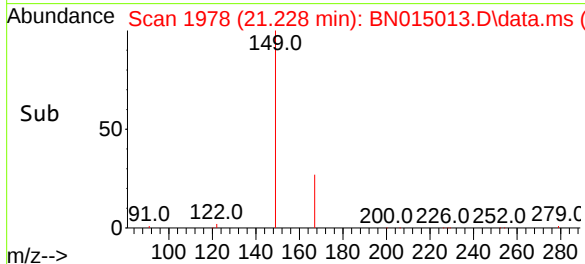
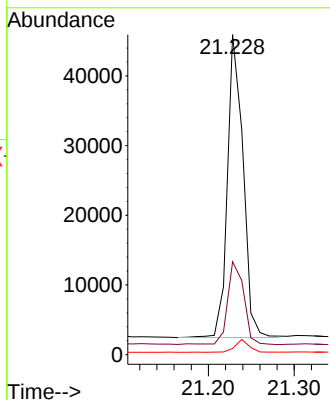
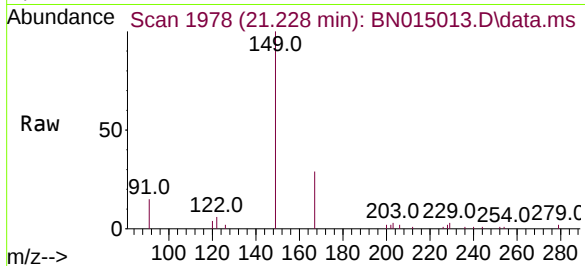




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.24 ng
 RT: 21.228 min Scan# 1978
 Delta R.T. -0.000 min
 Lab File: BN015013.D
 Acq: 23 Jun 2021 17:42

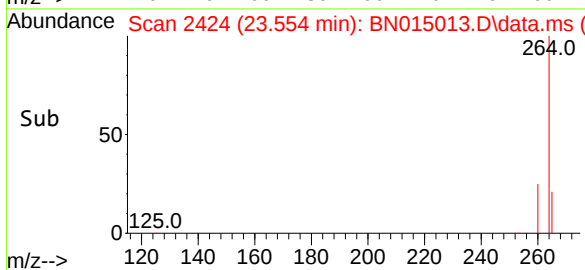
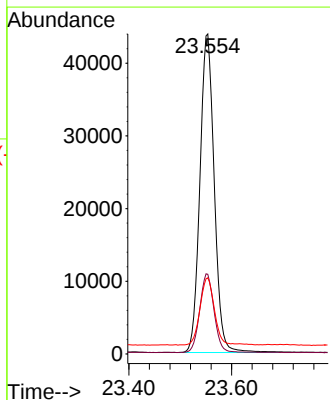
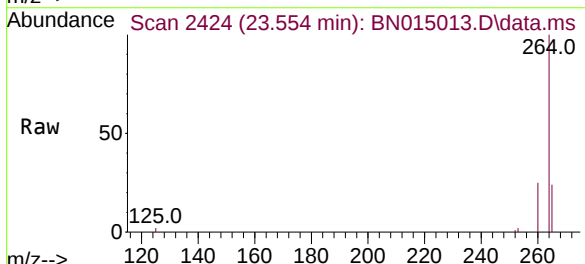
Instrument :
 BNA_N
 ClientSampleId :
 B1GW

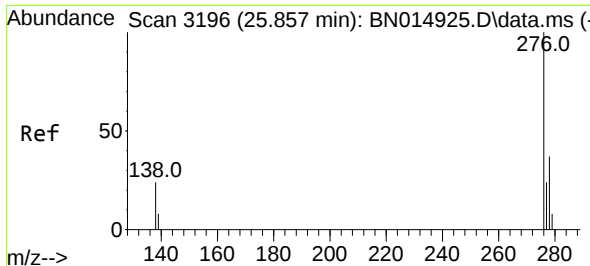
Tgt Ion:149 Resp: 54765
 Ion Ratio Lower Upper
 149 100
 167 28.5 28.9 43.3#
 279 3.8 4.9 7.3#



#35
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.554 min Scan# 2424
 Delta R.T. -0.000 min
 Lab File: BN015013.D
 Acq: 23 Jun 2021 17:42

Tgt Ion:264 Resp: 84796
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.6 31.0
 265 23.8 21.4 32.2

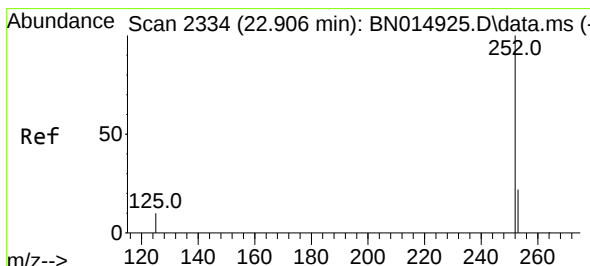
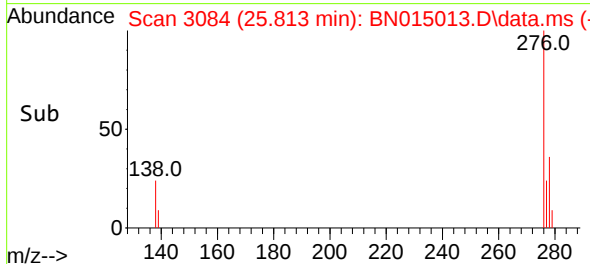
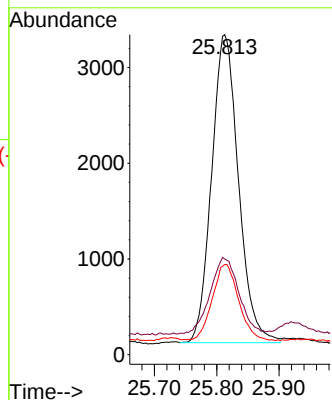
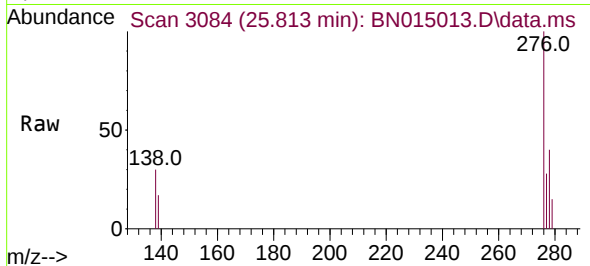




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 25.813 min Scan# 3084
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

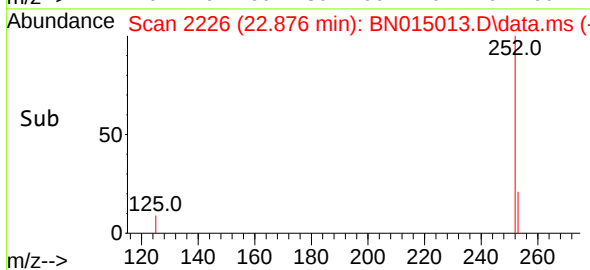
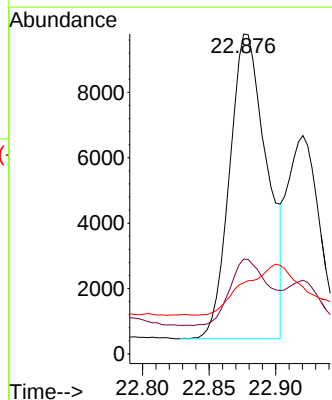
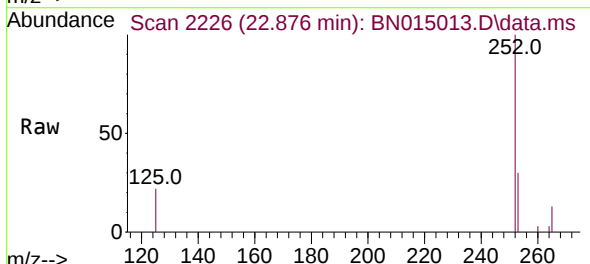
Instrument :
BNA_N
ClientSampleId :
B1GW

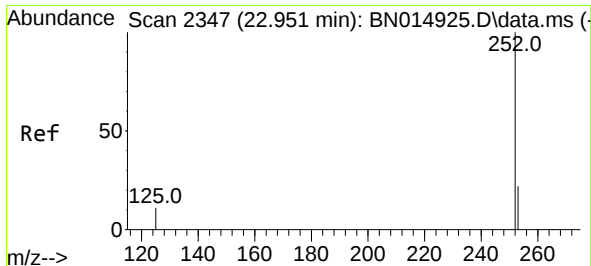
Tgt Ion:276 Resp: 9647
Ion Ratio Lower Upper
276 100
138 26.5 10.0 15.0#
277 24.4 20.4 30.6



#37
Benzo(b)fluoranthene
Concen: 0.06 ng
RT: 22.876 min Scan# 2226
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

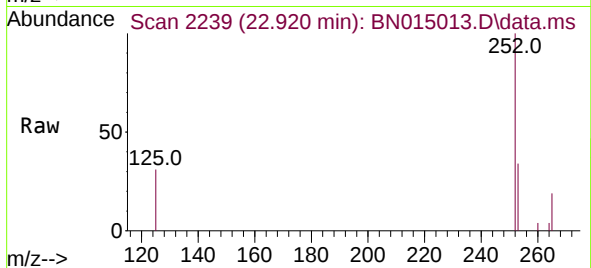
Tgt Ion:252 Resp: 18157
Ion Ratio Lower Upper
252 100
253 29.6 18.5 27.7#
125 22.2 5.8 8.6#



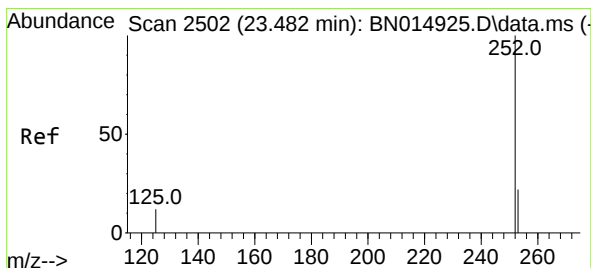
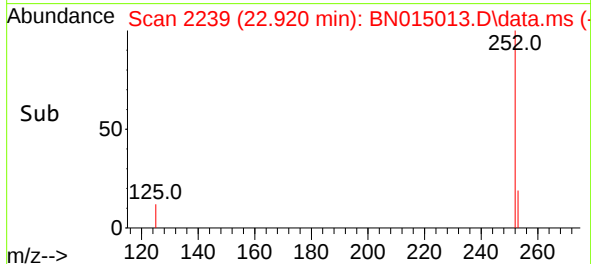
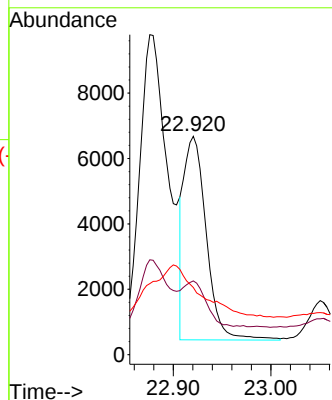


#38
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 22.920 min Scan# 2239
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Instrument :
BNA_N
ClientSampleId :
B1GW

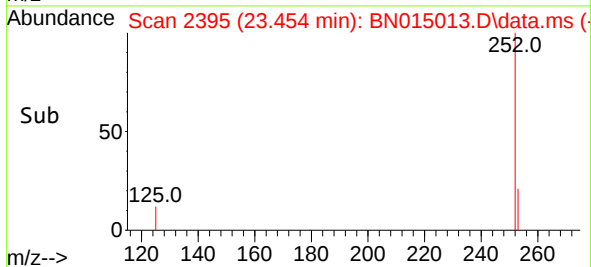
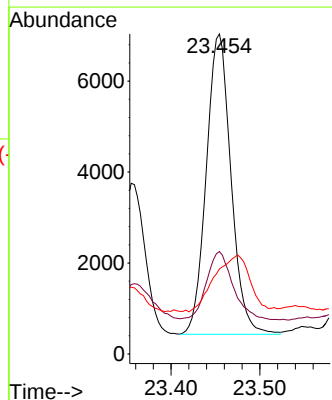
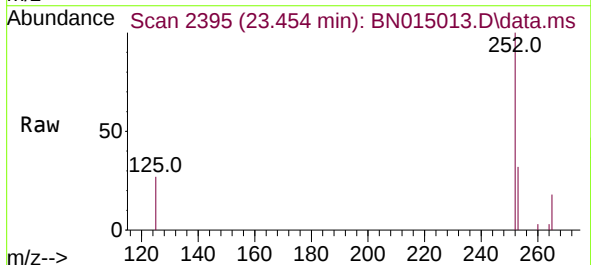


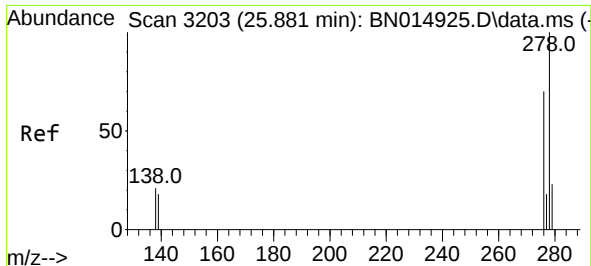
Tgt Ion:252 Resp: 9926
Ion Ratio Lower Upper
252 100
253 33.7 19.1 28.7#
125 30.7 5.4 8.0#



#39
Benzo(a)pyrene
Concen: 0.05 ng
RT: 23.454 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion:252 Resp: 12755
Ion Ratio Lower Upper
252 100
253 32.0 19.4 29.2#
125 26.5 7.4 11.2#

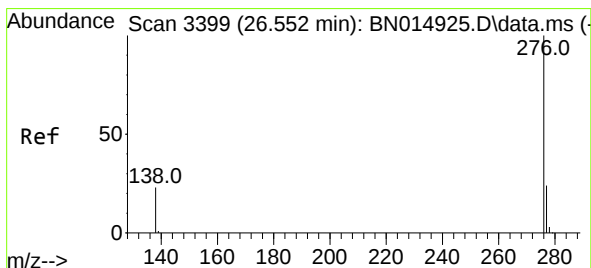
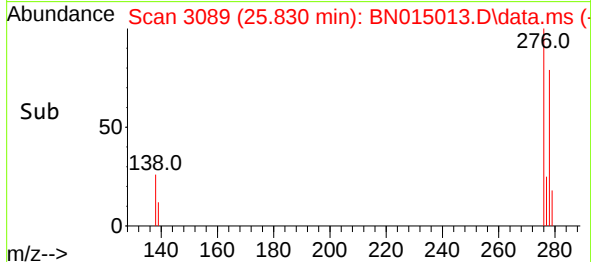
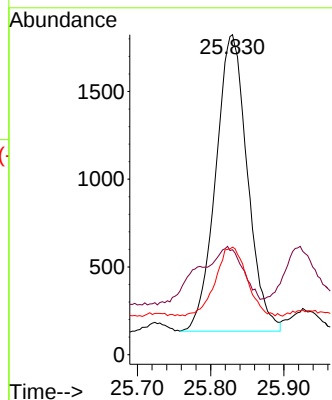
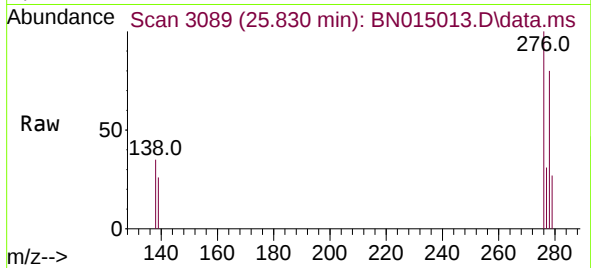




#40
Dibenzo(a,h)anthracene
Concen: 0.02 ng
RT: 25.830 min Scan# 3089
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Instrument :
BNA_N
ClientSampleId :
B1GW

Tgt Ion:278 Resp: 5081
Ion Ratio Lower Upper
278 100
139 32.8 9.0 13.4#
279 33.6 21.0 31.4#



#41
Benzo(g,h,i)perylene
Concen: 0.04 ng
RT: 26.504 min Scan# 3286
Delta R.T. -0.000 min
Lab File: BN015013.D
Acq: 23 Jun 2021 17:42

Tgt Ion:276 Resp: 9301
Ion Ratio Lower Upper
276 100
277 26.8 19.7 29.5
138 28.3 9.8 14.6#

