

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070621\
 Data File : BN015339.D
 Acq On : 06 Jul 2021 15:34
 Operator : CG/JU
 Sample : M2795-16 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2

Quant Time: Jul 06 16:04:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN063021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 01 09:06:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

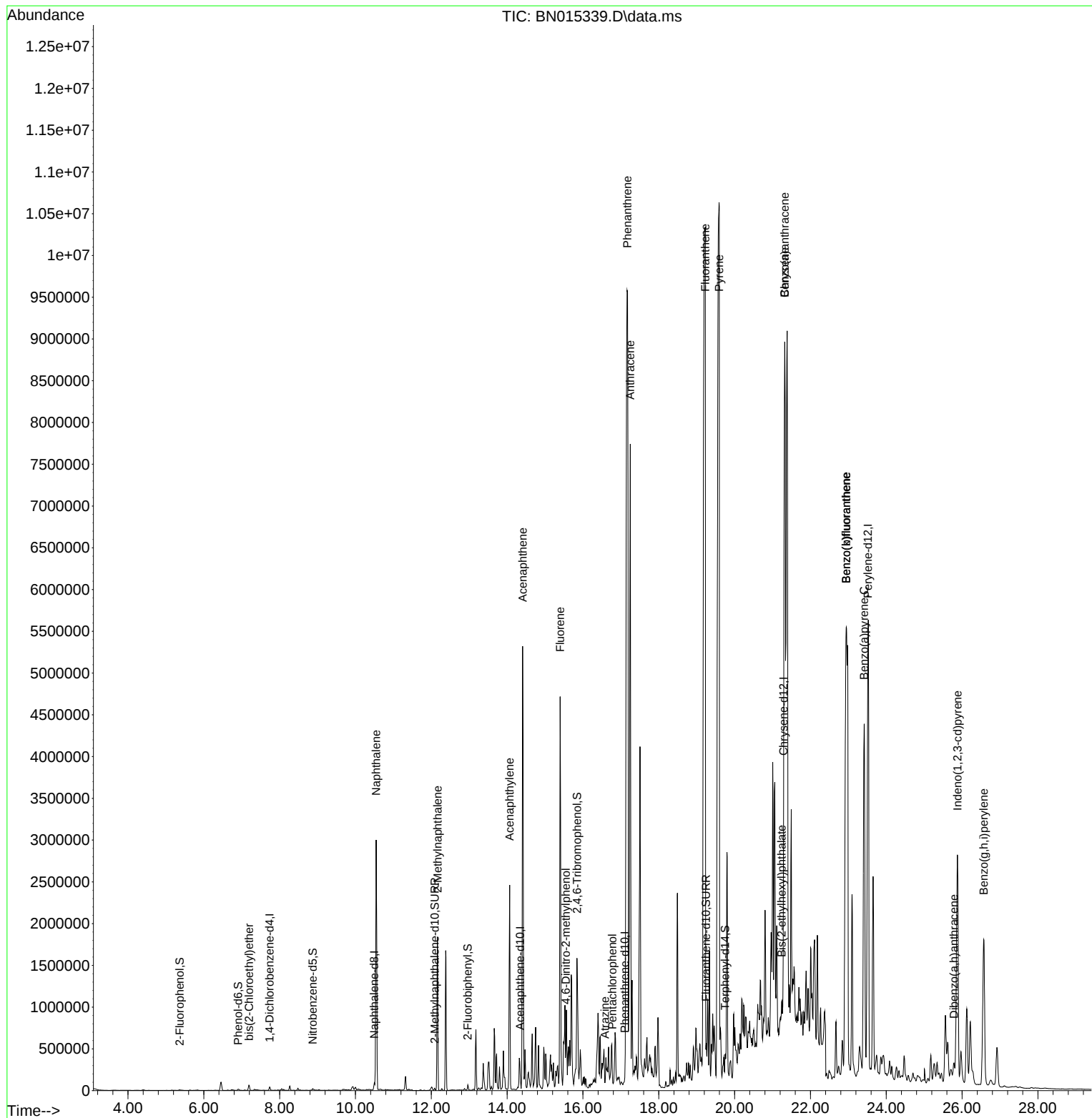
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.735	152	23341	0.400	ng	# 0.00
7) Naphthalene-d8	10.496	136	110490	0.400	ng	# 0.00
13) Acenaphthene-d10	14.345	164	73644	0.400	ng	0.00
19) Phenanthrene-d10	17.103	188	124697	0.400	ng	# 0.01
29) Chrysene-d12	21.291	240	29445	0.400	ng	#-0.01
35) Perylene-d12	23.519	264	15885	0.400	ng	#-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.365	112	10858	0.183	ng	0.00
5) Phenol-d6	6.905	99	14342	0.191	ng	0.00
8) Nitrobenzene-d5	8.873	82	16795	0.271	ng	0.00
11) 2-Methylnaphthalene-d10	12.087	152	38662	0.211	ng	0.00
14) 2,4,6-Tribromophenol	15.842	330	5352	0.388	ng	0.00
15) 2-Fluorobiphenyl	12.962	172	51553	0.172	ng	0.00
27) Fluoranthene-d10	19.247	212	40919	0.111	ng	0.11
31) Terphenyl-d14	19.748	244	119151	1.730	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.191	93	117732	1.598	ng	# 32
9) Naphthalene	10.546	128	4008522	12.646	ng	97
12) 2-Methylnaphthalene	12.163	142	1364398	6.709	ng	# 88
16) Acenaphthylene	14.066	152	2384063	7.306	ng	96
17) Acenaphthene	14.408	154	3099882	13.561	ng	95
18) Fluorene	15.398	166	3207569	11.517	ng	# 93
20) 4,6-Dinitro-2-methylph...	15.550	198	2415	1.042	ng	# 1
23) Atrazine	16.580	200	5174	0.248	ng	# 1
24) Pentachlorophenol	16.774	266	1083	0.315	ng	# 83
25) Phenanthrene	17.176	178	22731875	56.604	ng	97
26) Anthracene	17.249	178	9227304	26.806	ng	# 91
28) Fluoranthene	19.227	202	24290908	56.269	ng	# 95
30) Pyrene	19.594	202	22174892	197.935	ng	# 81
32) Benzo(a)anthracene	21.323	228	16017816	158.595	ng	# 95
33) Chrysene	21.323	228	15294026	139.000	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.238	149	70189	1.764	ng	# 85
36) Indeno(1,2,3-cd)pyrene	25.877	276	3174222	55.783	ng	# 87
37) Benzo(b)fluoranthene	22.944	252	14255057	228.897	ng	# 95
38) Benzo(k)fluoranthene	22.944	252	14255057	214.416	ng	# 96
39) Benzo(a)pyrene	23.416	252	8002423	140.506	ng	# 95
40) Dibenzo(a,h)anthracene	25.785	278	155358	3.480	ng	# 62
41) Benzo(g,h,i)perylene	26.572	276	3908515	79.318	ng	# 90

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

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Quant Time: Jul 06 16:04:58 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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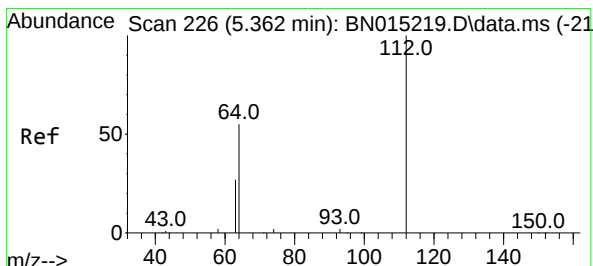
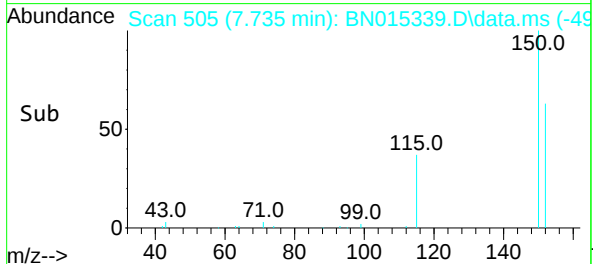
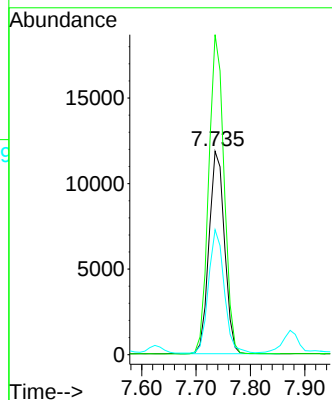
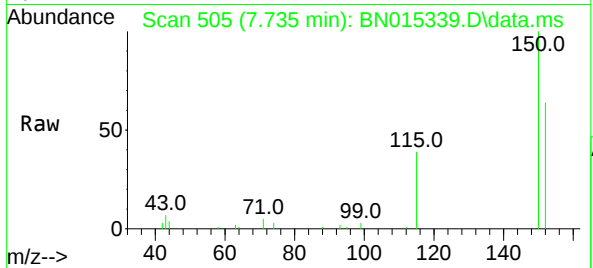




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.735 min Scan# 505
Delta R.T. 0.003 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

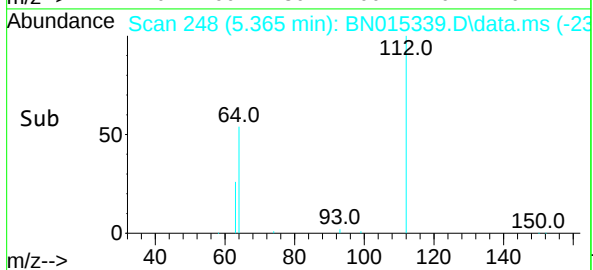
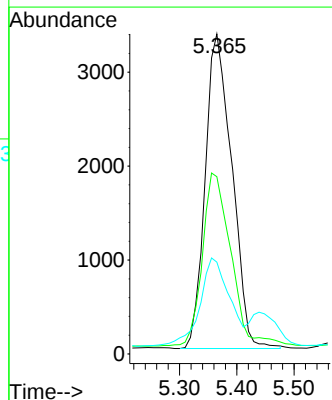
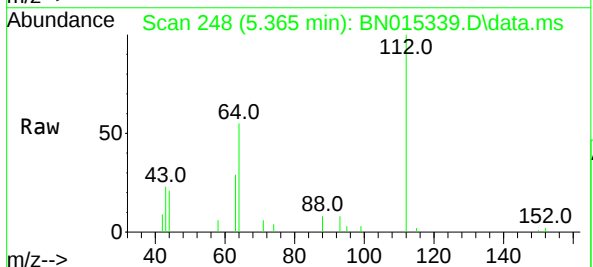
Instrument :
BNA_N
ClientSampled :
B1-0-2

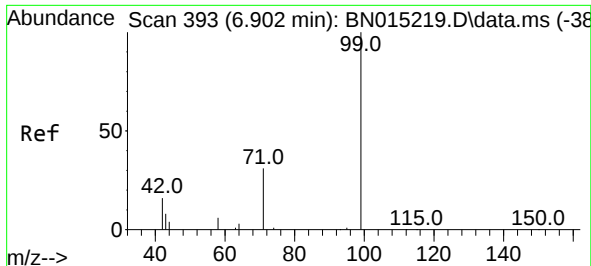
Tgt Ion:152 Resp: 23341
Ion Ratio Lower Upper
152 100
150 157.3 119.0 178.6
115 61.5 62.2 93.4#



#4
2-Fluorophenol
Concen: 0.183 ng
RT: 5.365 min Scan# 248
Delta R.T. 0.003 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion:112 Resp: 10858
Ion Ratio Lower Upper
112 100
64 57.7 39.0 58.6
63 28.6 20.6 30.8

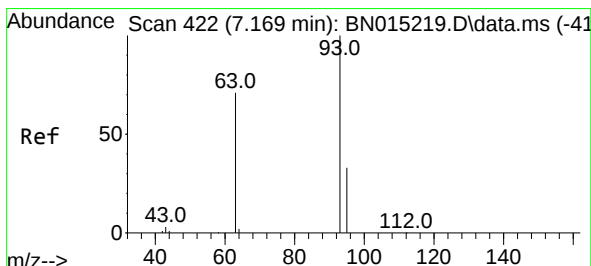
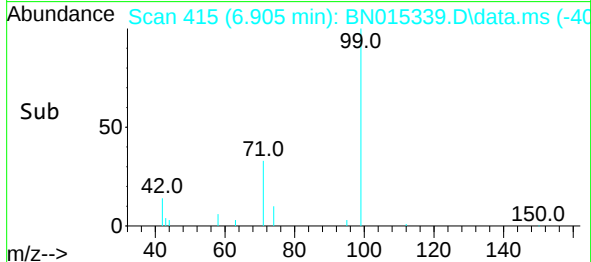
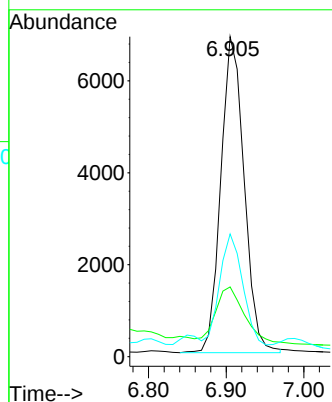
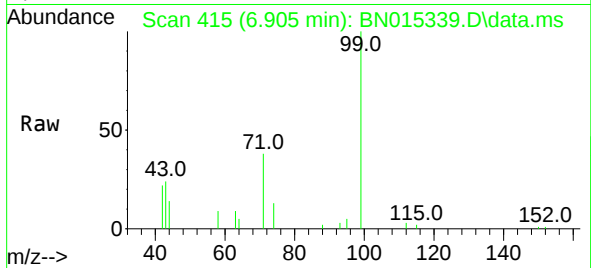




#5
Phenol-d6
Concen: 0.191 ng
RT: 6.905 min Scan# 415
Delta R.T. 0.003 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

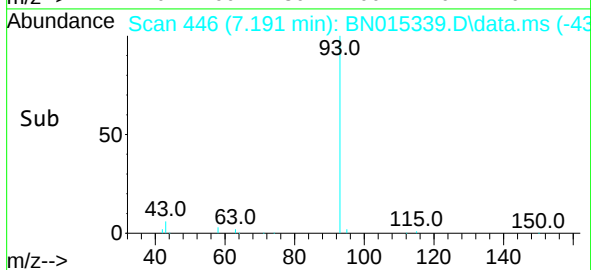
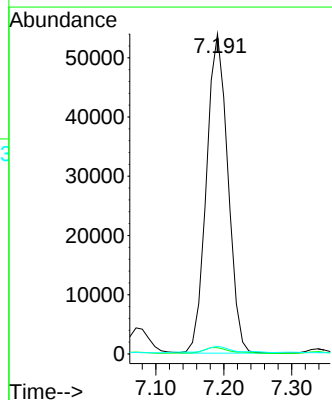
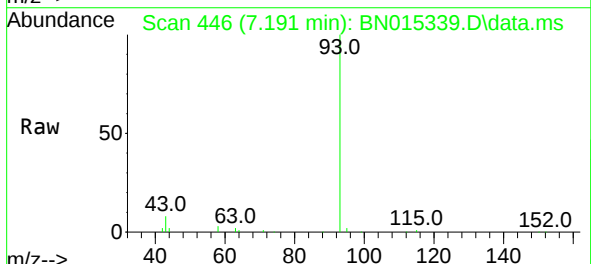
Instrument :
BNA_N
ClientSampled :
B1-0-2

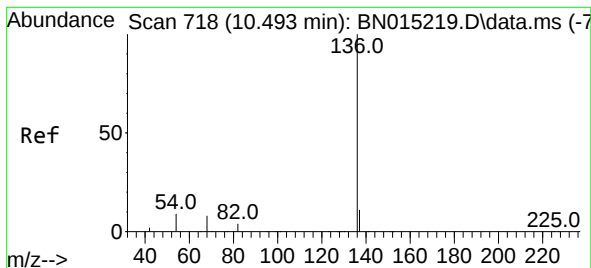
Tgt Ion: 99 Resp: 14342
Ion Ratio Lower Upper
99 100
42 20.9 8.9 13.3#
71 34.5 35.6 53.4#



#6
bis(2-Chloroethyl)ether
Concen: 1.598 ng
RT: 7.191 min Scan# 446
Delta R.T. 0.021 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

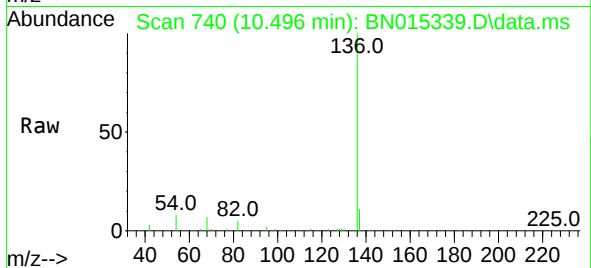
Tgt Ion: 93 Resp: 117732
Ion Ratio Lower Upper
93 100
63 2.4 46.6 70.0#
95 2.3 28.6 42.8#



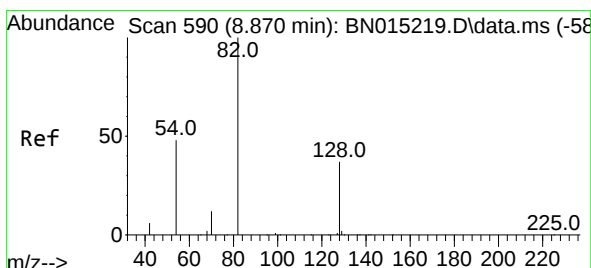
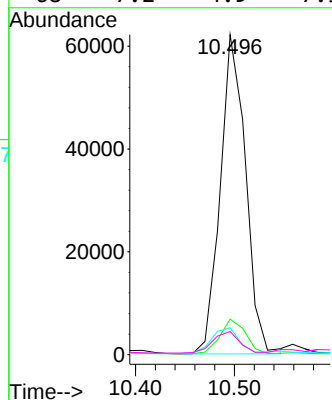


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.496 min Scan# 740
Delta R.T. 0.003 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Instrument :
BNA_N
ClientSampleId :
B1-0-2

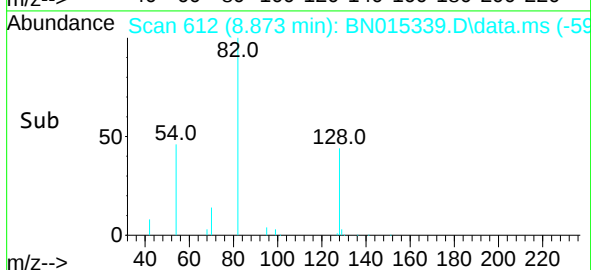
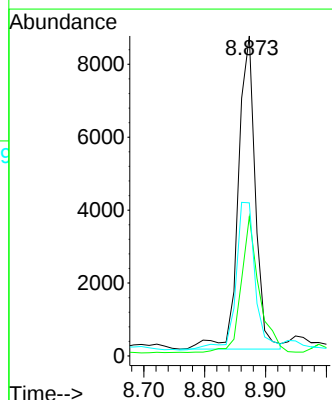
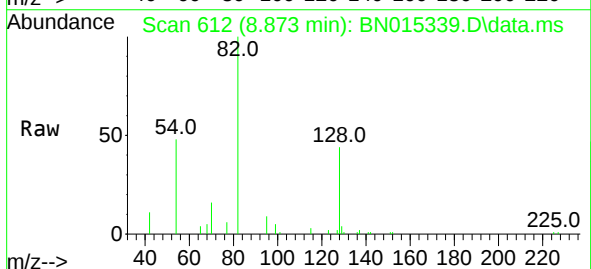


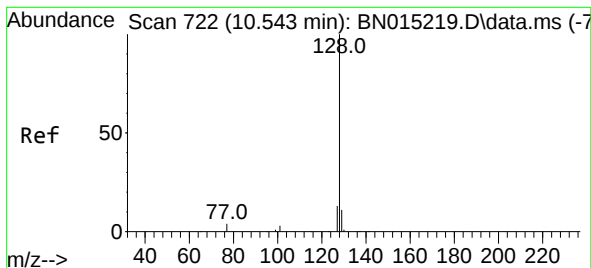
Tgt Ion:136	Resp: 110490
Ion Ratio	Lower Upper
136	100
137	11.1 9.8 14.8
54	8.4 5.4 8.2#
68	7.2 4.9 7.3



#8
Nitrobenzene-d5
Concen: 0.271 ng
RT: 8.873 min Scan# 612
Delta R.T. 0.003 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion: 82	Resp: 16795
Ion Ratio	Lower Upper
82	100
128	43.6 31.6 47.4
54	47.8 29.0 43.4#





#9

Naphthalene

Concen: 12.646 ng

RT: 10.546 min Scan# 744

Delta R.T. 0.003 min

Lab File: BN015339.D

Acq: 06 Jul 2021 15:34

Instrument :

BNA_N

ClientSampleId :

B1-0-2

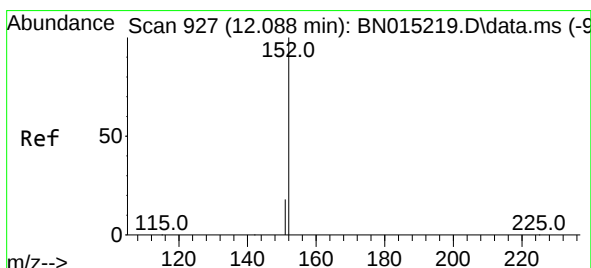
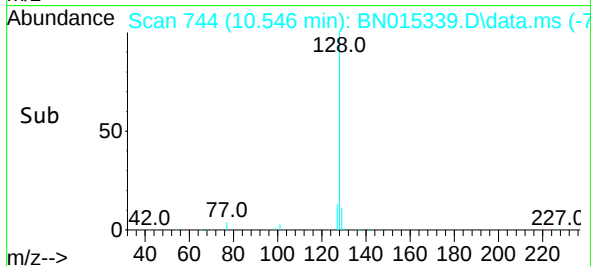
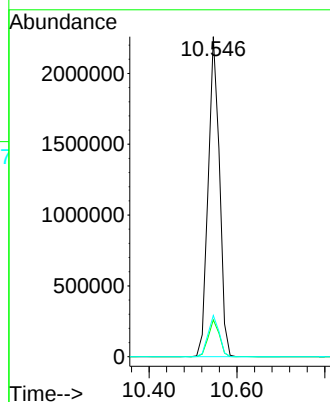
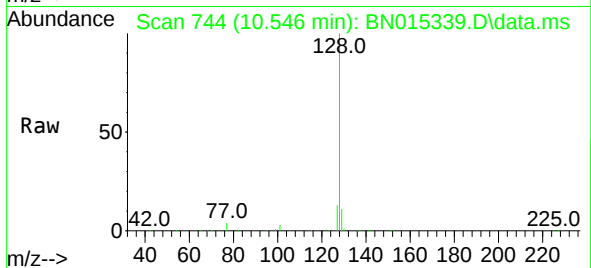
Tgt Ion:128 Resp: 4008522

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

127 12.9 11.8 17.6



#11

2-Methylnaphthalene-d10

Concen: 0.211 ng

RT: 12.087 min Scan# 950

Delta R.T. -0.001 min

Lab File: BN015339.D

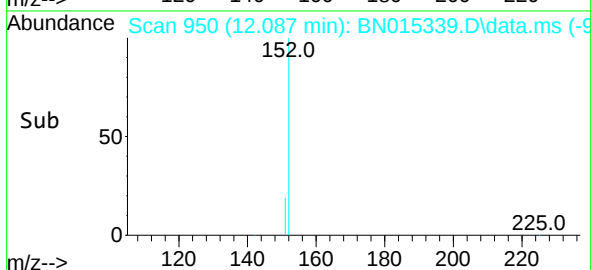
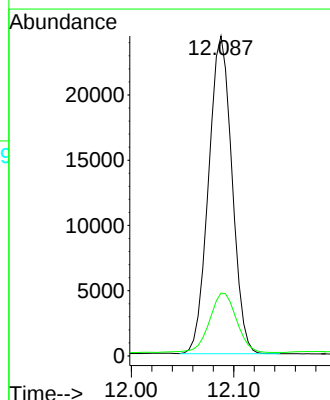
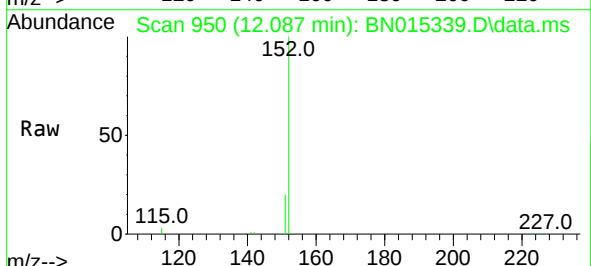
Acq: 06 Jul 2021 15:34

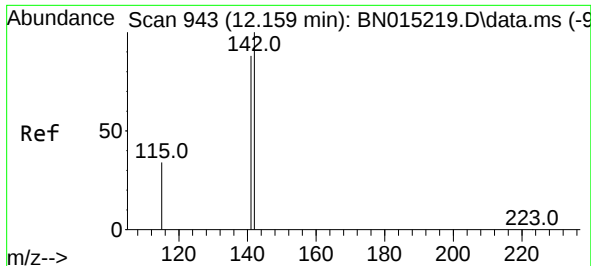
Tgt Ion:152 Resp: 38662

Ion Ratio Lower Upper

152 100

151 21.9 16.7 25.1

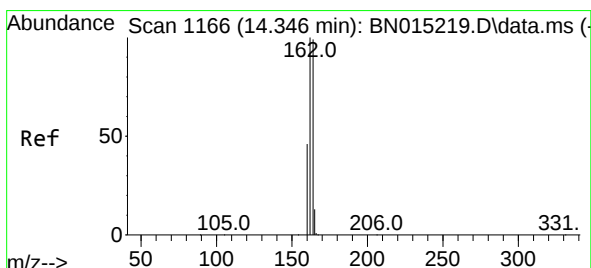
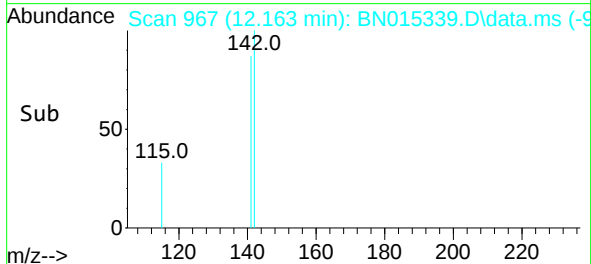
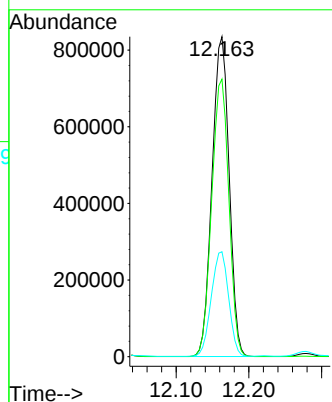
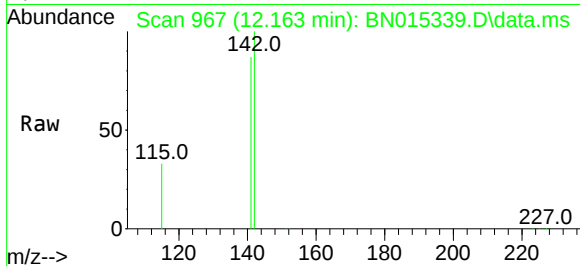




#12
2-Methylnaphthalene
Concen: 6.709 ng
RT: 12.163 min Scan# 967
Delta R.T. 0.004 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

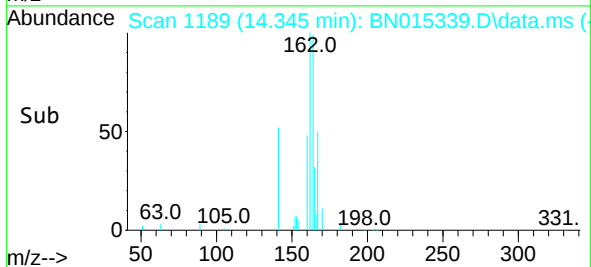
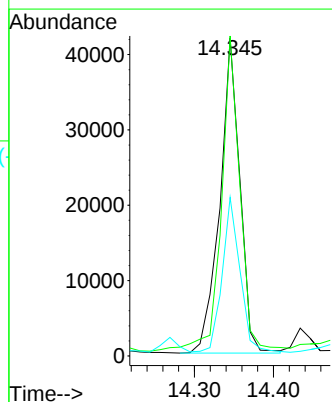
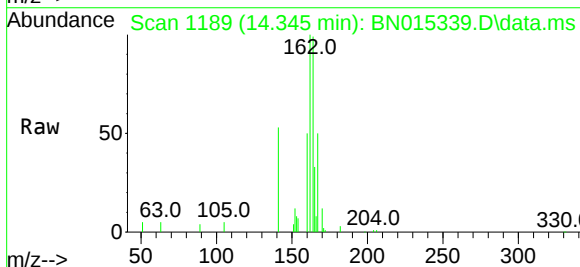
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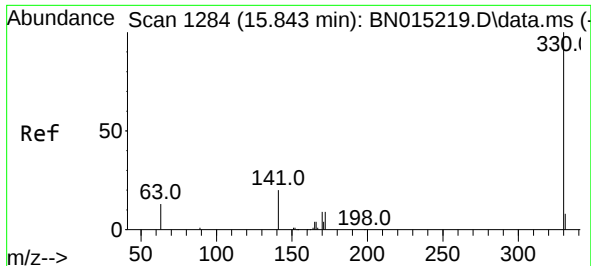
Tgt Ion:142 Resp: 1364398
Ion Ratio Lower Upper
142 100
141 86.8 72.3 108.5
115 32.8 40.7 61.1#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1189
Delta R.T. -0.001 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion:164 Resp: 73644
Ion Ratio Lower Upper
164 100
162 100.7 83.8 125.6
160 49.9 37.4 56.0

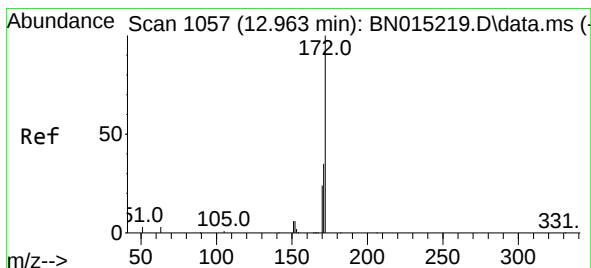
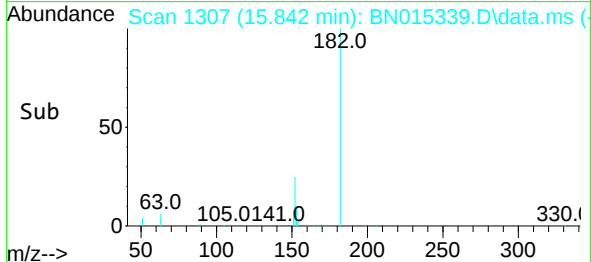
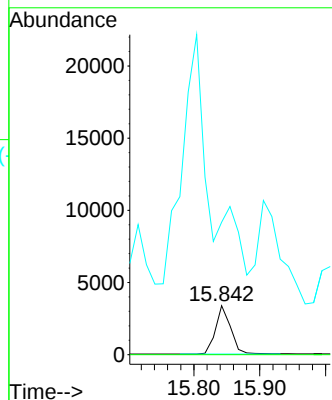
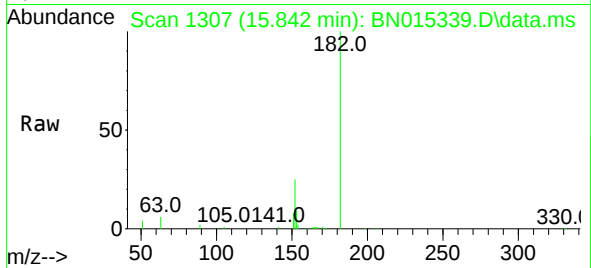




#14
2,4,6-Tribromophenol
Concen: 0.388 ng
RT: 15.842 min Scan# 1307
Delta R.T. -0.001 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

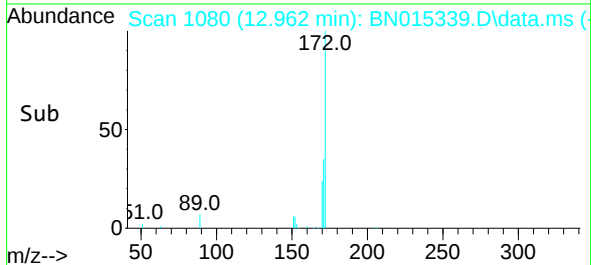
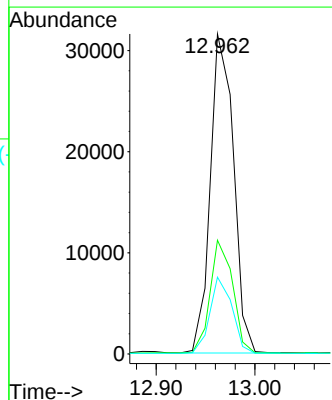
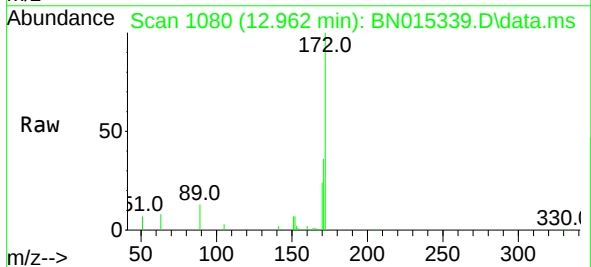
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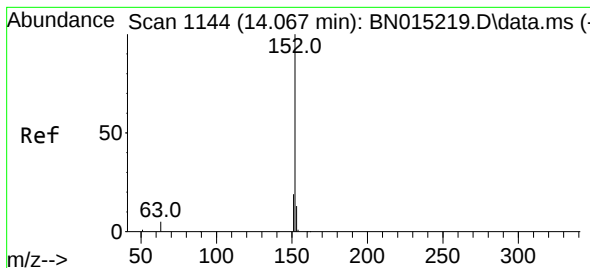
Tgt Ion: 330 Resp: 5352
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 22.4 33.6#



#15
2-Fluorobiphenyl
Concen: 0.172 ng
RT: 12.962 min Scan# 1080
Delta R.T. -0.001 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion: 172 Resp: 51553
Ion Ratio Lower Upper
172 100
171 35.6 30.6 45.8
170 24.0 20.2 30.4

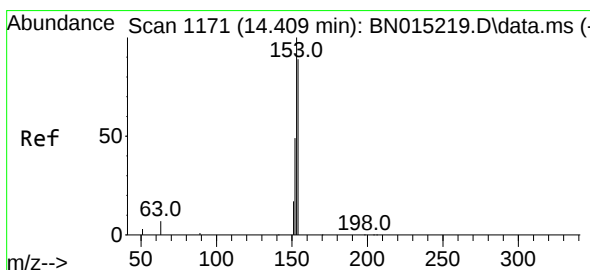
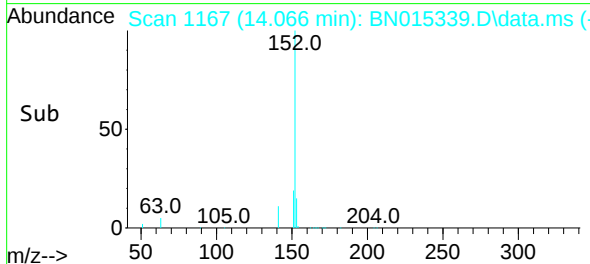
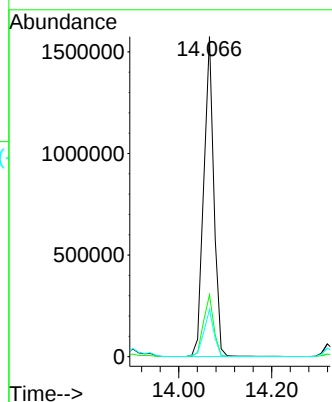
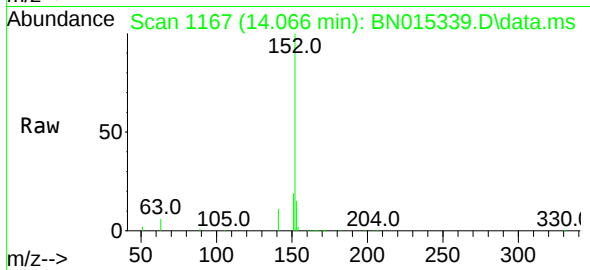




#16
Acenaphthylene
Concen: 7.306 ng
RT: 14.066 min Scan# 1167
Delta R.T. -0.001 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

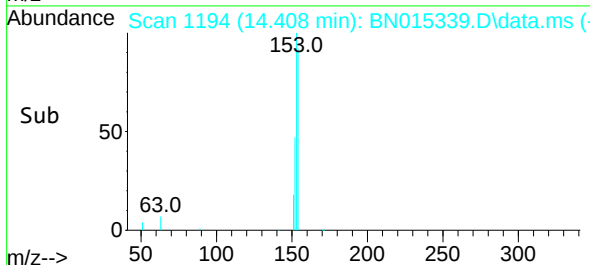
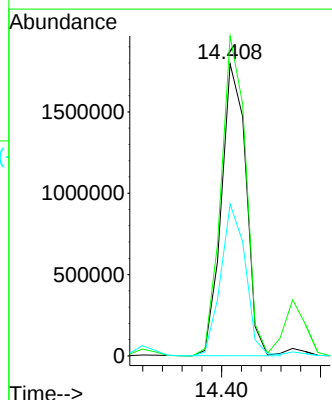
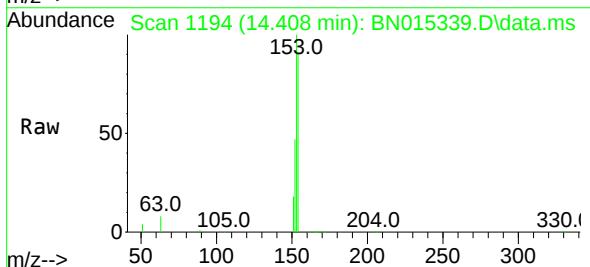
Instrument :
BNA_N
ClientSampleId :
B1-0-2

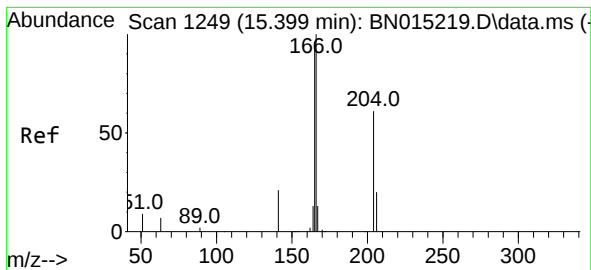
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Ion Ratio Lower Upper
152 100
151 19.5 16.7 25.1
153 15.0 10.5 15.7



#17
Acenaphthene
Concen: 13.561 ng
RT: 14.408 min Scan# 1194
Delta R.T. -0.001 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion:154 Resp: 3099882
Ion Ratio Lower Upper
154 100
153 109.4 90.9 136.3
152 52.1 45.8 68.8

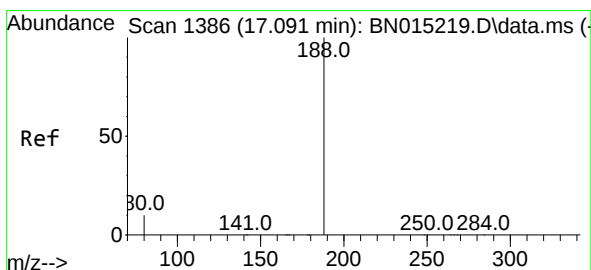
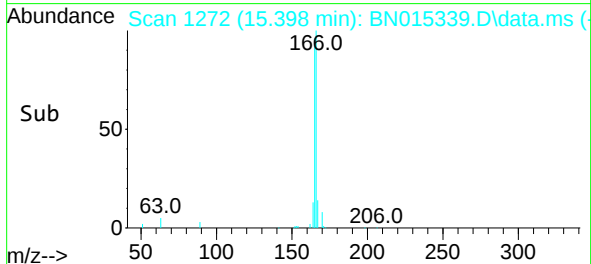
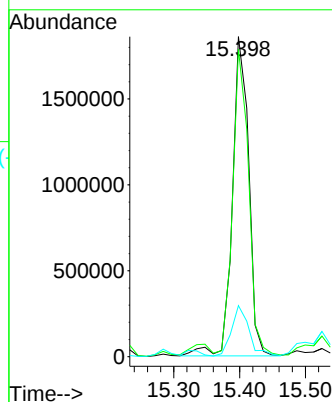
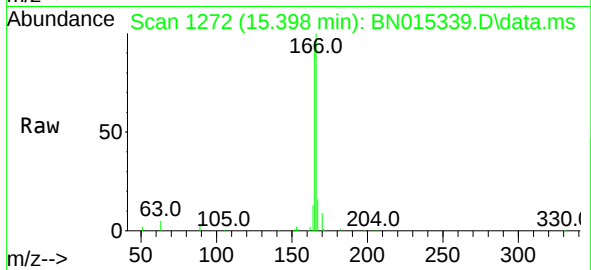




#18
Fluorene
Concen: 11.517 ng
RT: 15.398 min Scan# 1272
Delta R.T. -0.001 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

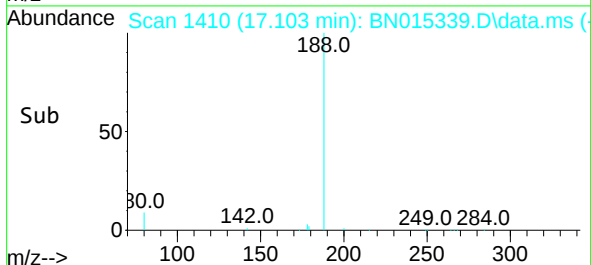
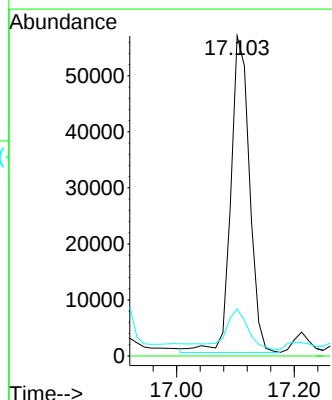
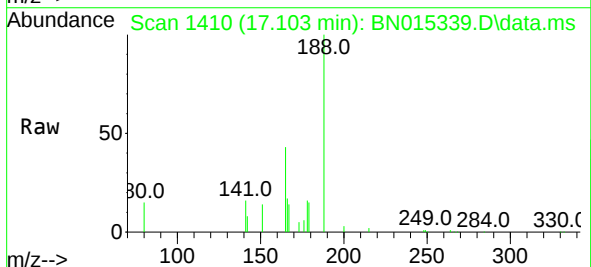
Instrument :
BNA_N
ClientSampleId :
B1-0-2

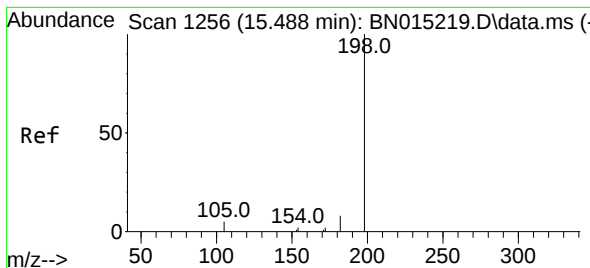
Tgt Ion:166 Resp: 3207569
Ion Ratio Lower Upper
166 100
165 92.7 79.2 118.8
167 16.9 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.103 min Scan# 1410
Delta R.T. 0.012 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion:188 Resp: 124697
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.7 9.0 13.4#

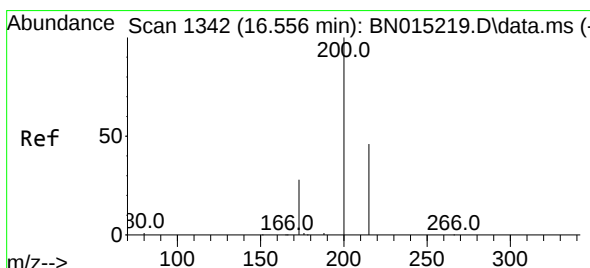
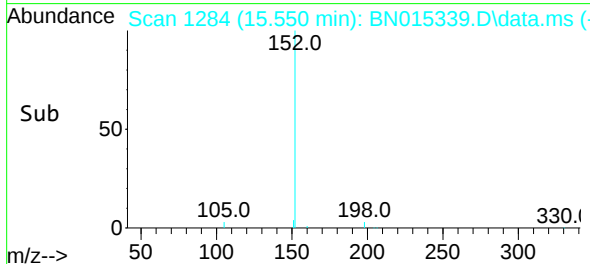
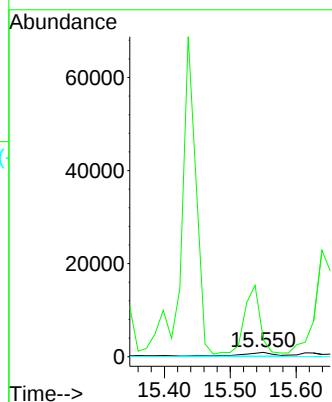
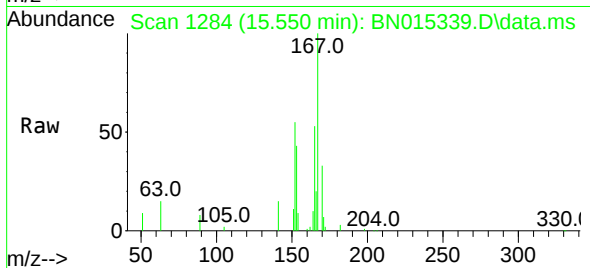




#20
4,6-Dinitro-2-methylphenol
Concen: 1.042 ng
RT: 15.550 min Scan# 1284
Delta R.T. 0.062 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

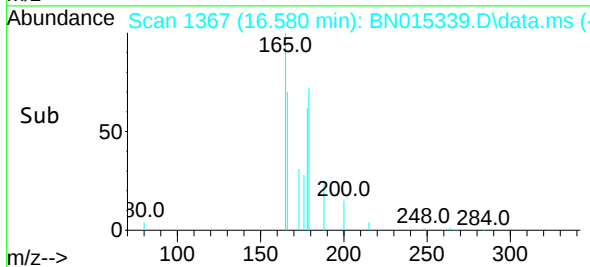
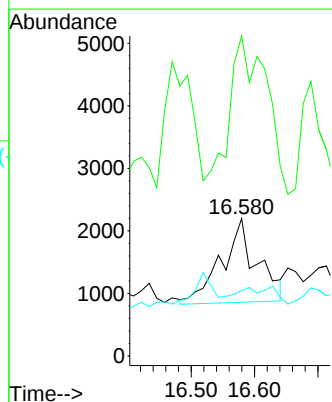
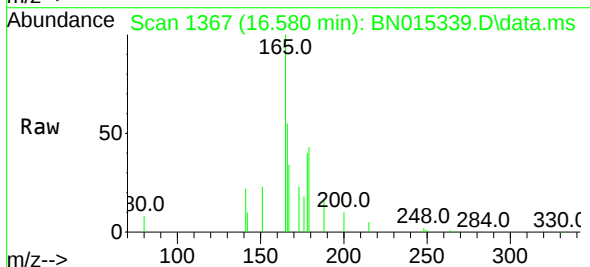
Instrument :
BNA_N
ClientSampleId :
B1-0-2

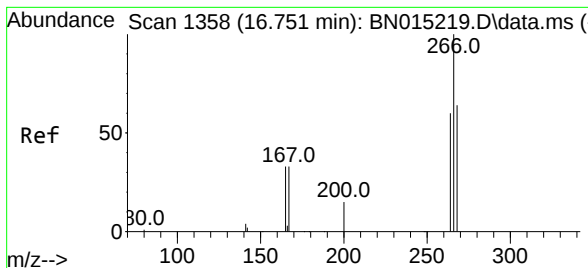
Tgt Ion:198 Resp: 2415
Ion Ratio Lower Upper
198 100
182 380.4 34.5 51.7#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.248 ng
RT: 16.580 min Scan# 1367
Delta R.T. 0.024 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion:200 Resp: 5174
Ion Ratio Lower Upper
200 100
173 232.7 21.7 32.5#
215 47.6 43.1 64.7

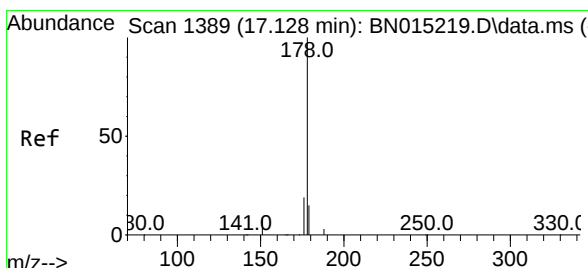
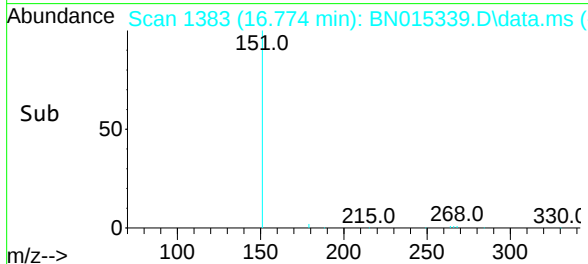
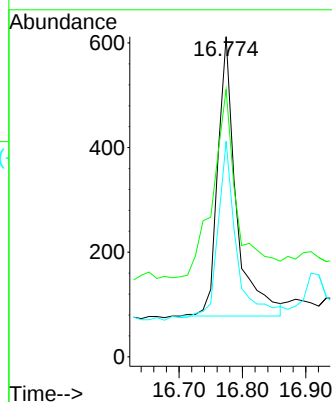
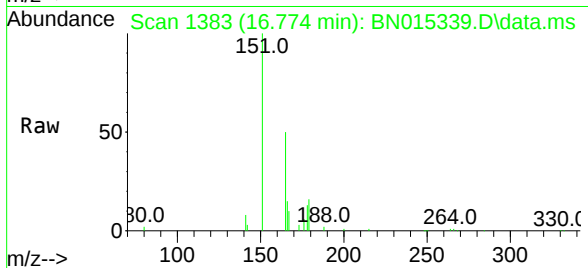




#24
 Pentachlorophenol
 Concen: 0.315 ng
 RT: 16.774 min Scan# 1383
 Delta R.T. 0.023 min
 Lab File: BN015339.D
 Acq: 06 Jul 2021 15:34

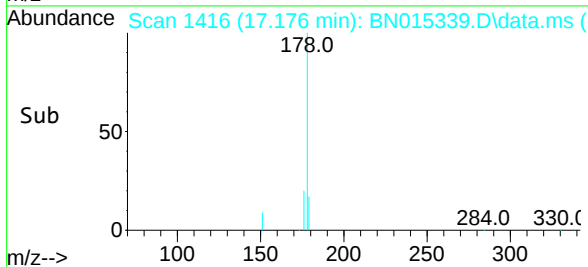
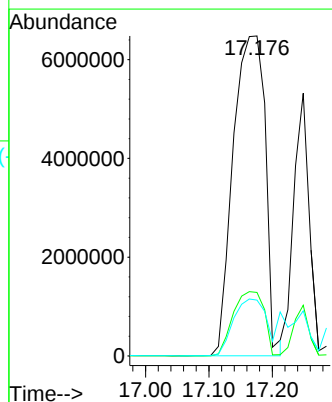
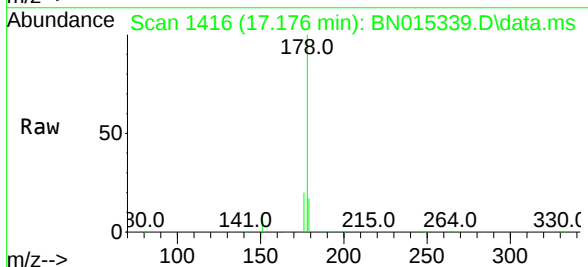
Instrument :
 BNA_N
 ClientSampleId :
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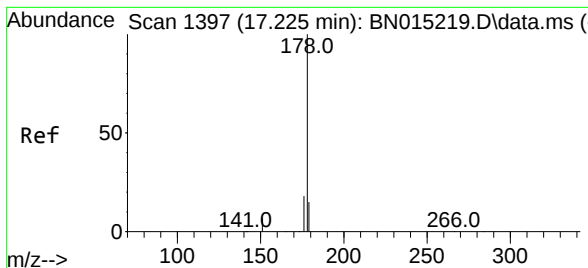
Tgt Ion:266 Resp: 1083
 Ion Ratio Lower Upper
 266 100
 264 90.6 51.0 76.4#
 268 63.3 50.6 76.0



#25
 Phenanthrene
 Concen: 56.604 ng
 RT: 17.176 min Scan# 1416
 Delta R.T. 0.048 min
 Lab File: BN015339.D
 Acq: 06 Jul 2021 15:34

Tgt Ion:178 Resp:22731875
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.6 23.4
 179 18.1 12.1 18.1

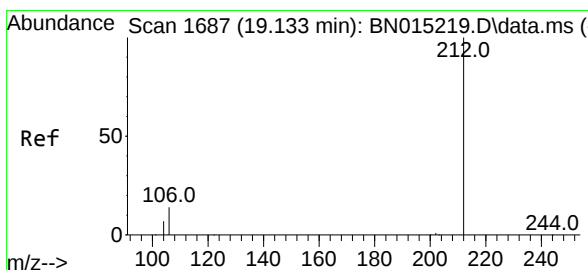
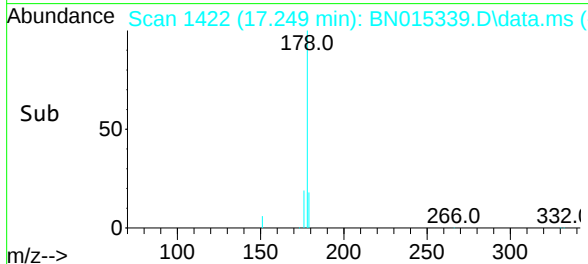
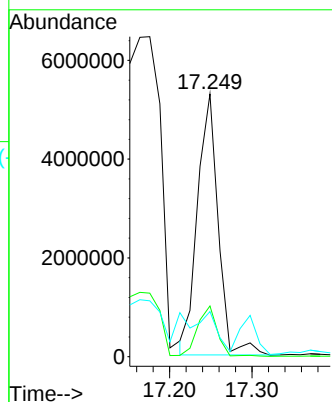
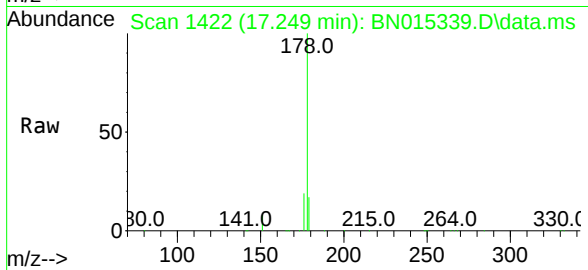




#26
 Anthracene
 Concen: 26.806 ng
 RT: 17.249 min Scan# 1422
 Delta R.T. 0.024 min
 Lab File: BN015339.D
 Acq: 06 Jul 2021 15:34

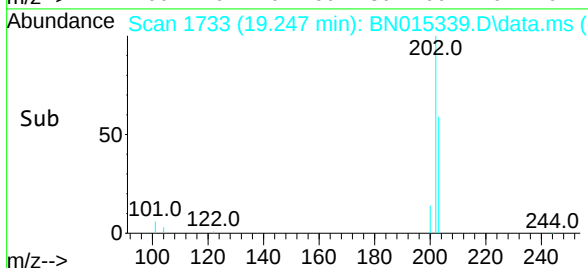
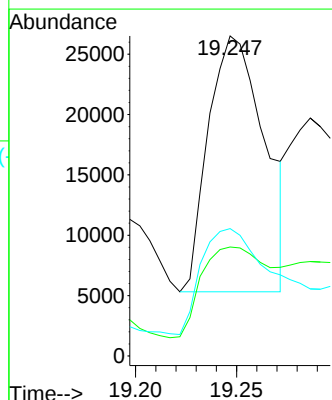
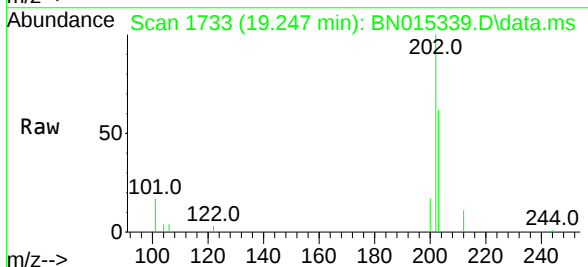
Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2

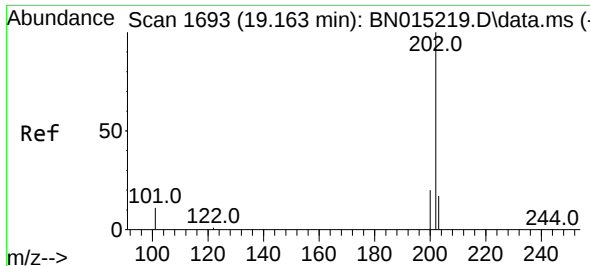
Tgt Ion:178 Resp: 9227304
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.1 22.7
 179 23.2 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.111 ng
 RT: 19.247 min Scan# 1733
 Delta R.T. 0.114 min
 Lab File: BN015339.D
 Acq: 06 Jul 2021 15:34

Tgt Ion:212 Resp: 40919
 Ion Ratio Lower Upper
 212 100
 106 39.7 7.0 10.6#
 104 57.7 4.1 6.1#

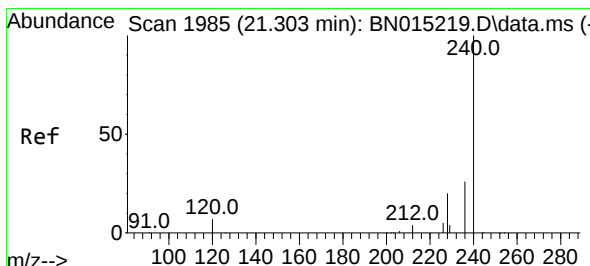
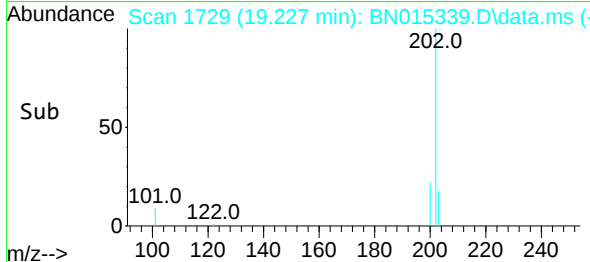
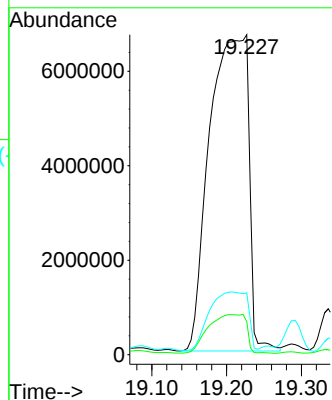
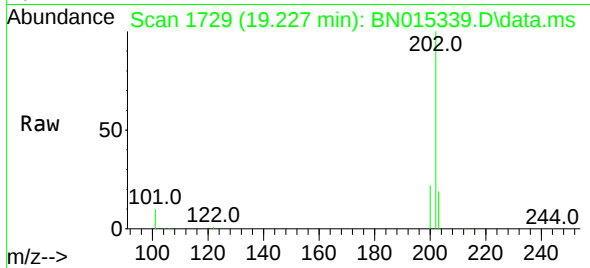




#28
Fluoranthene
Concen: 56.269 ng
RT: 19.227 min Scan# 1729
Delta R.T. 0.064 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

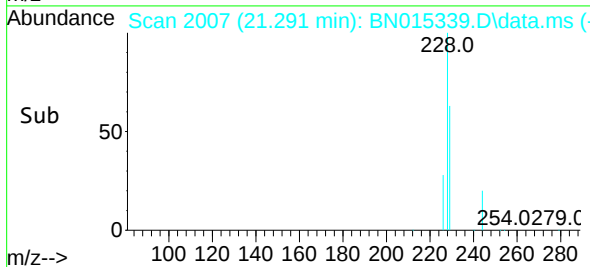
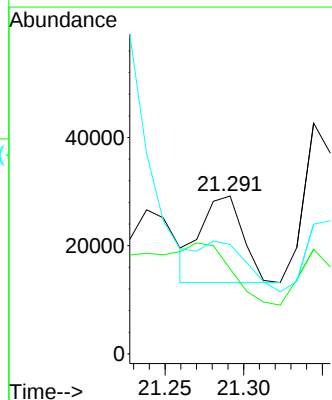
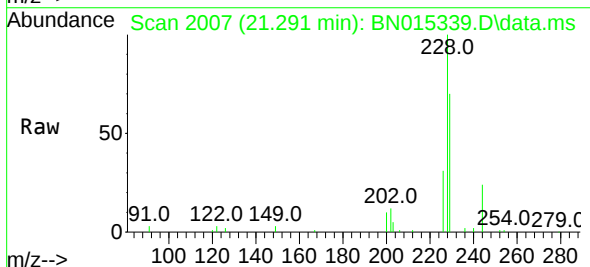
Instrument :
BNA_N
ClientSampleId :
B1-0-2

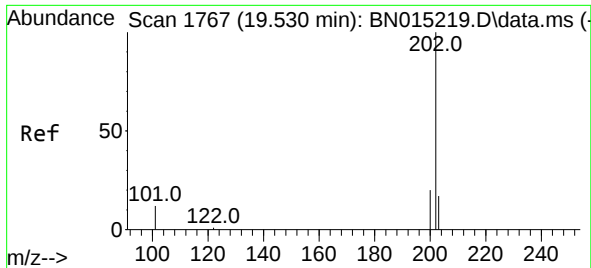
Tgt Ion:202 Resp:24290908
Ion Ratio Lower Upper
202 100
101 12.2 6.6 10.0#
203 18.6 13.9 20.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.291 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion:240 Resp: 29445
Ion Ratio Lower Upper
240 100
120 53.9 4.2 6.4#
236 69.3 21.4 32.2#

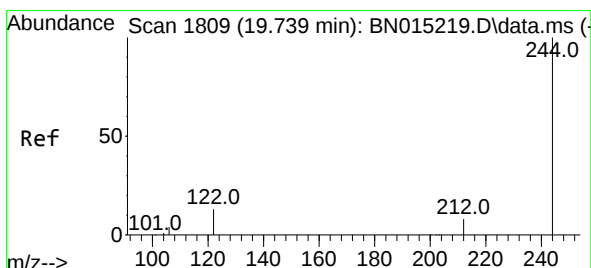
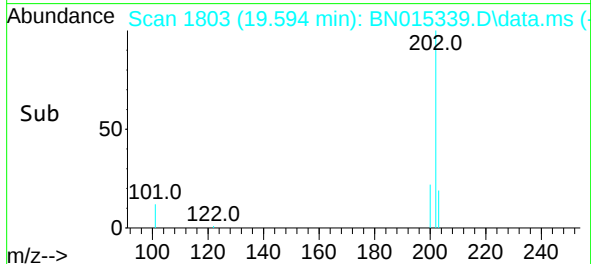
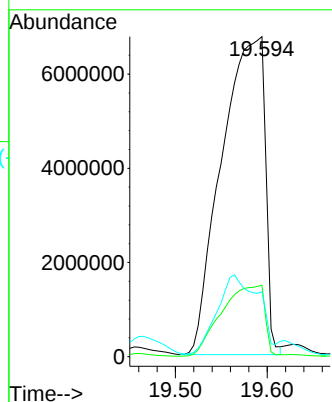
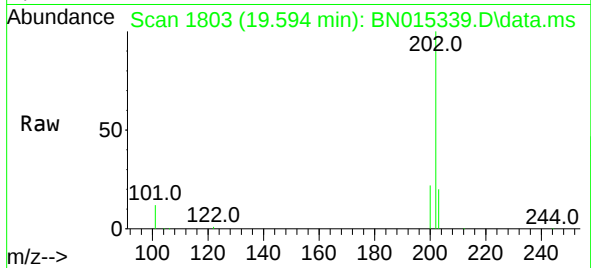




#30
Pyrene
Concen: 197.935 ng
RT: 19.594 min Scan# 1803
Delta R.T. 0.064 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

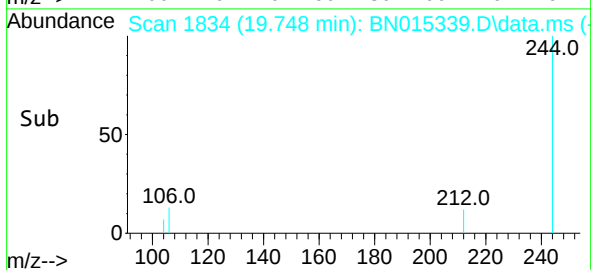
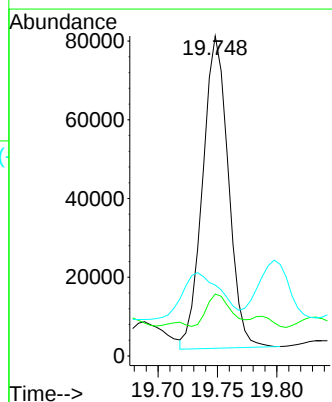
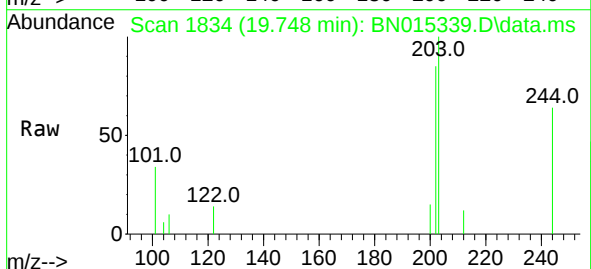
Instrument :
BNA_N
ClientSampleId :
B1-0-2

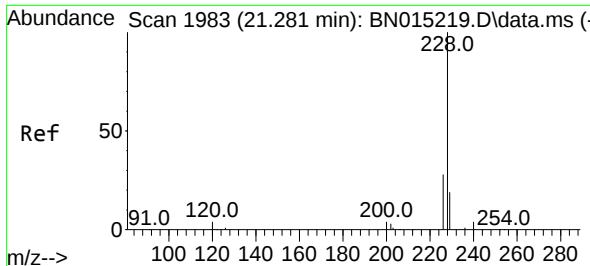
Tgt Ion:202 Resp:22174892
Ion Ratio Lower Upper
202 100
200 22.1 16.9 25.3
203 0.0 13.9 20.9#



#31
Terphenyl-d14
Concen: 1.730 ng
RT: 19.748 min Scan# 1834
Delta R.T. 0.009 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion:244 Resp: 119151
Ion Ratio Lower Upper
244 100
212 19.3 6.3 9.5#
122 22.2 6.2 9.2#

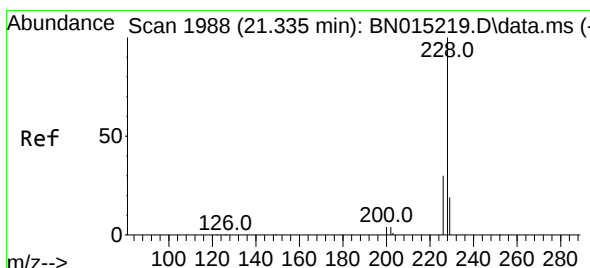
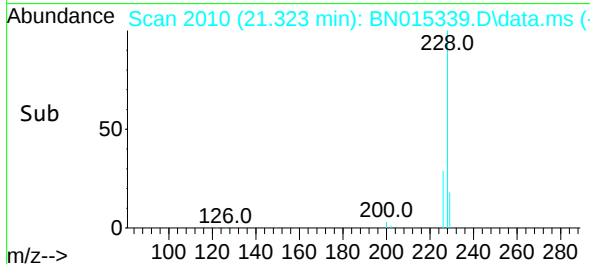
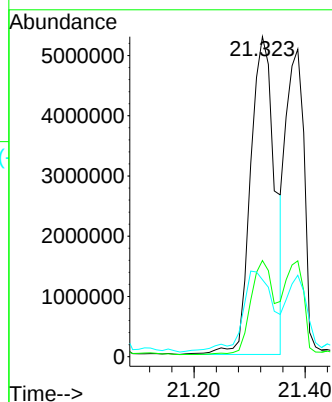
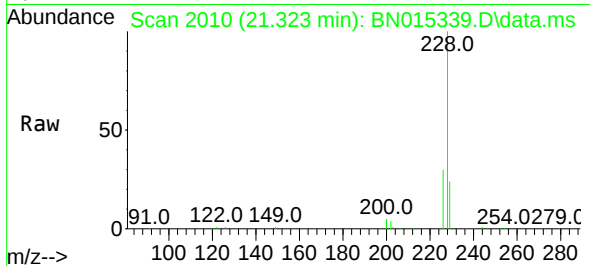




#32
Benzo(a)anthracene
Concen: 158.595 ng
RT: 21.323 min Scan# 2010
Delta R.T. 0.042 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

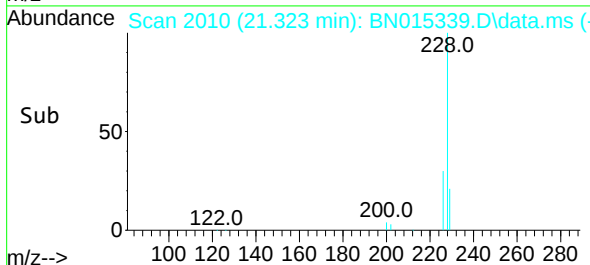
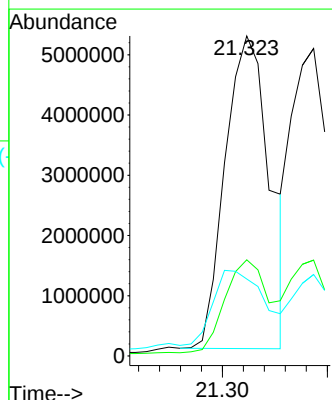
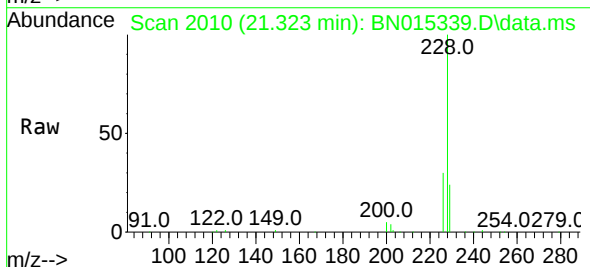
Instrument :
BNA_N
ClientSampleId :
B1-0-2

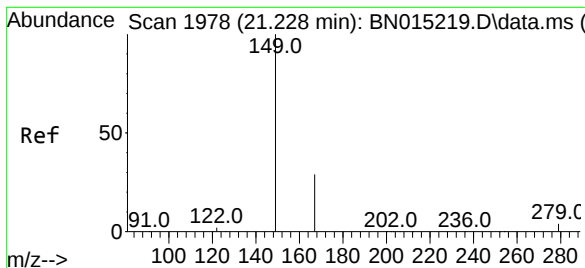
Tgt Ion:228 Resp:16017816
Ion Ratio Lower Upper
228 100
226 30.1 23.0 34.6
229 24.1 15.7 23.5#



#33
Chrysene
Concen: 139.000 ng
RT: 21.323 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion:228 Resp:15294026
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 24.1 15.9 23.9#

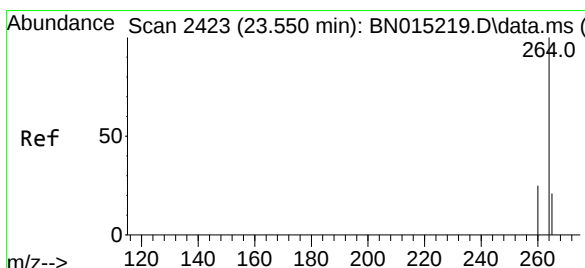
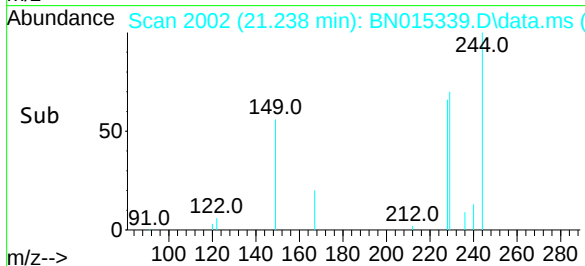
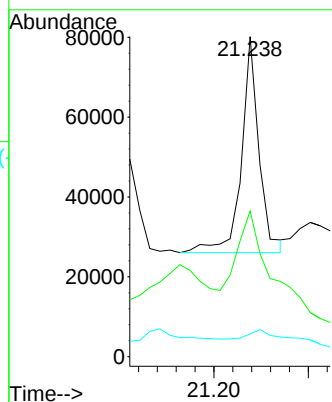
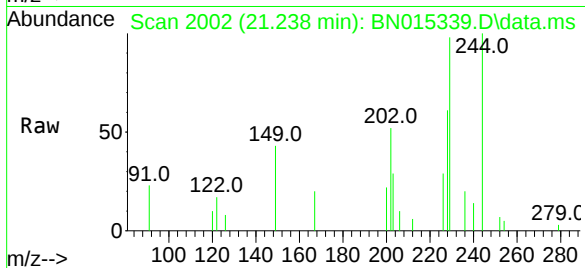




#34
Bis(2-ethylhexyl)phthalate
Concen: 1.764 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.010 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

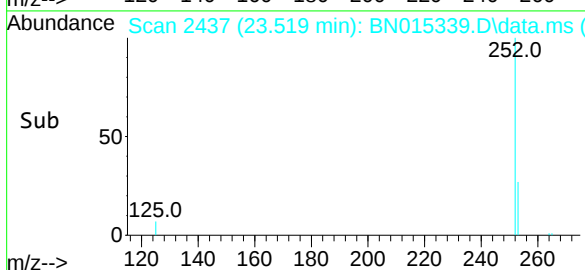
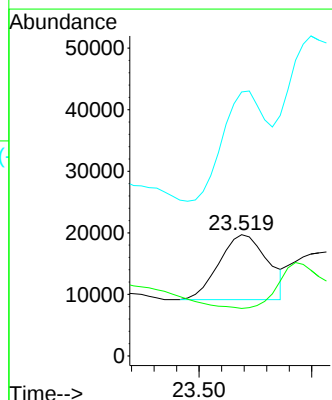
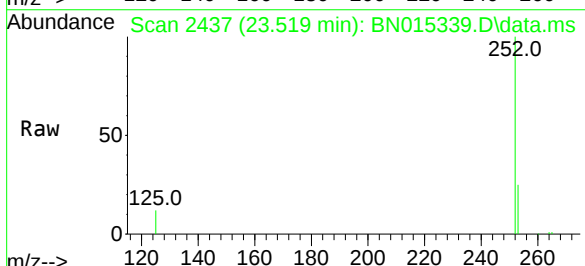
Instrument :
BNA_N
ClientSampleId :
B1-0-2

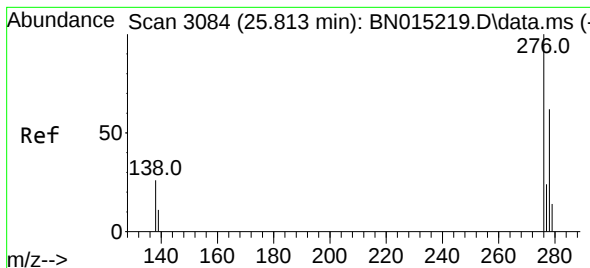
Tgt Ion:149 Resp: 70189
Ion Ratio Lower Upper
149 100
167 46.0 28.9 43.3#
279 4.8 4.9 7.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.519 min Scan# 2437
Delta R.T. -0.031 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion:264 Resp: 15885
Ion Ratio Lower Upper
264 100
260 39.2 20.6 31.0#
265 217.7 21.4 32.2#

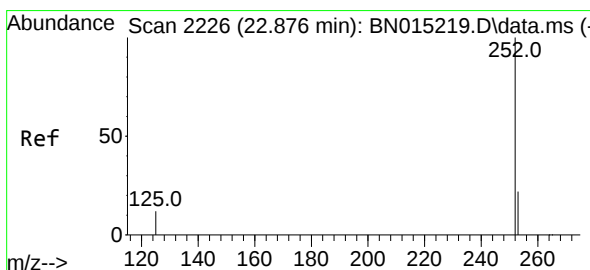
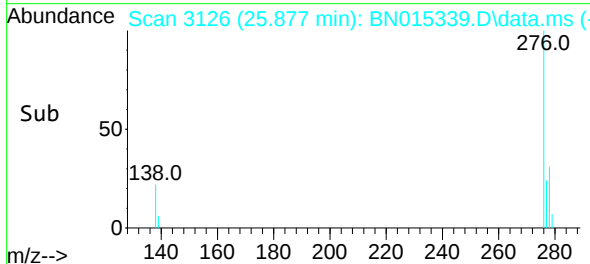
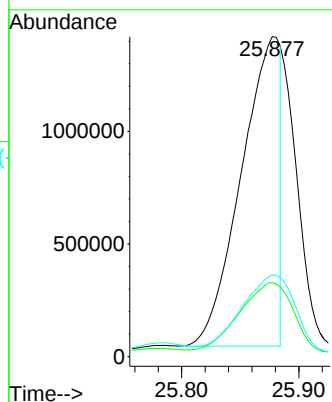
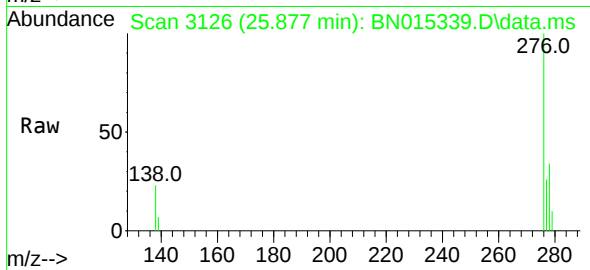




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 55.783 ng
 RT: 25.877 min Scan# 3126
 Delta R.T. 0.064 min
 Lab File: BN015339.D
 Acq: 06 Jul 2021 15:34

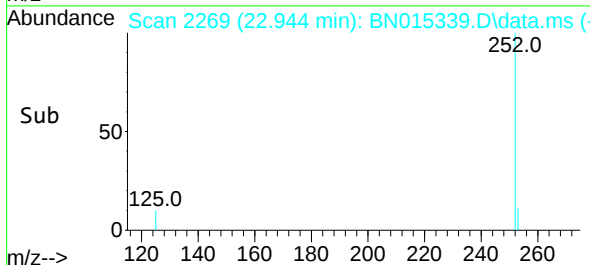
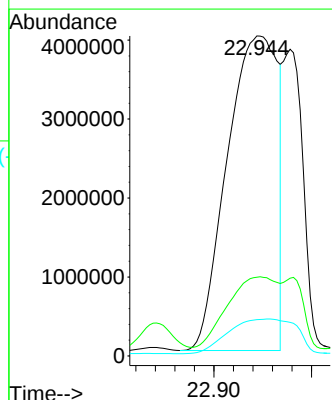
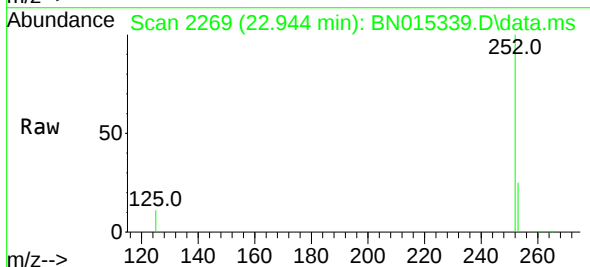
Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2

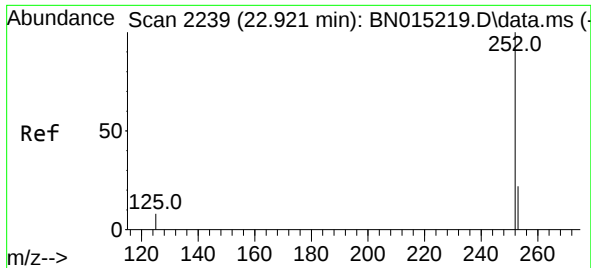
Tgt Ion:276 Resp: 3174222
 Ion Ratio Lower Upper
 276 100
 138 22.1 10.0 15.0#
 277 22.1 20.4 30.6



#37
 Benzo(b)fluoranthene
 Concen: 228.897 ng
 RT: 22.944 min Scan# 2269
 Delta R.T. 0.068 min
 Lab File: BN015339.D
 Acq: 06 Jul 2021 15:34

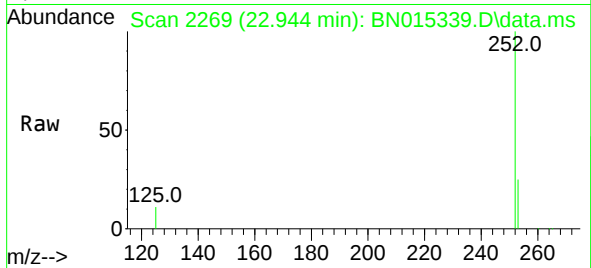
Tgt Ion:252 Resp:14255057
 Ion Ratio Lower Upper
 252 100
 253 24.6 18.5 27.7
 125 11.3 5.8 8.6#



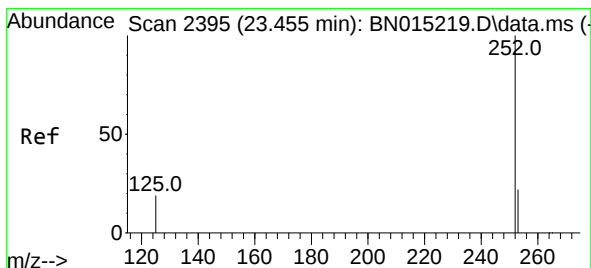
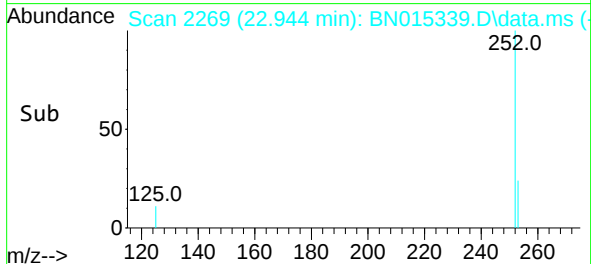
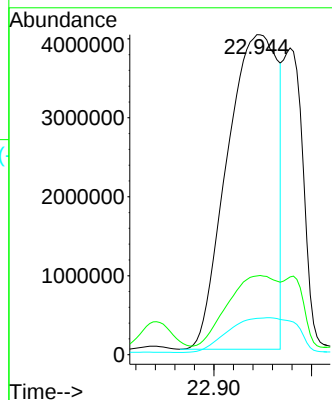


#38
Benzo(k)fluoranthene
Concen: 214.416 ng
RT: 22.944 min Scan# 2269
Delta R.T. 0.023 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Instrument :
BNA_N
ClientSampleId :
B1-0-2

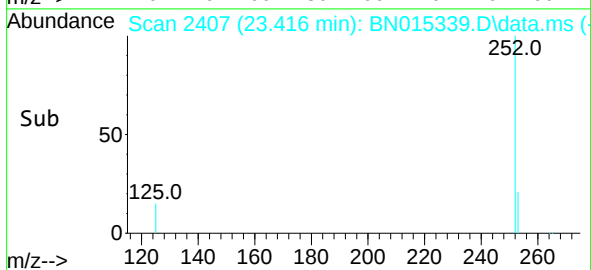
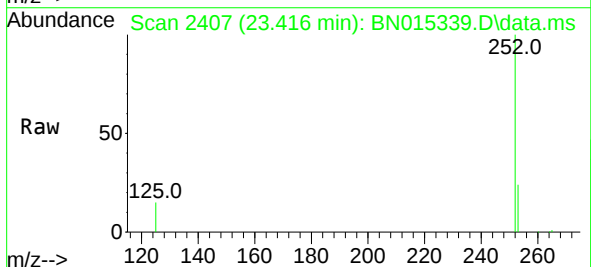
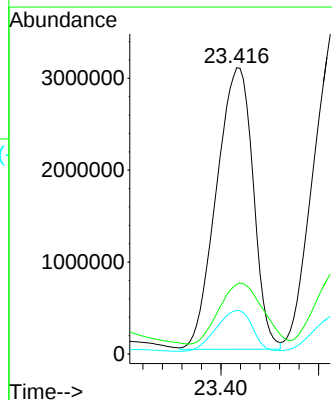


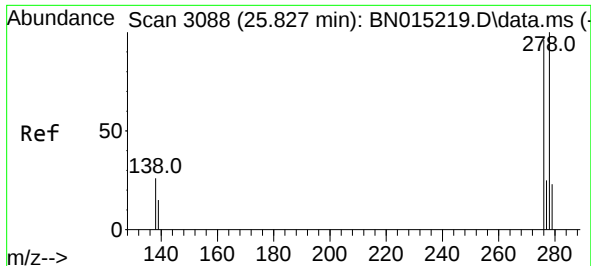
Tgt Ion:252 Resp:14255057
Ion Ratio Lower Upper
252 100
253 24.6 19.1 28.7
125 11.3 5.4 8.0#



#39
Benzo(a)pyrene
Concen: 140.506 ng
RT: 23.416 min Scan# 2407
Delta R.T. -0.038 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

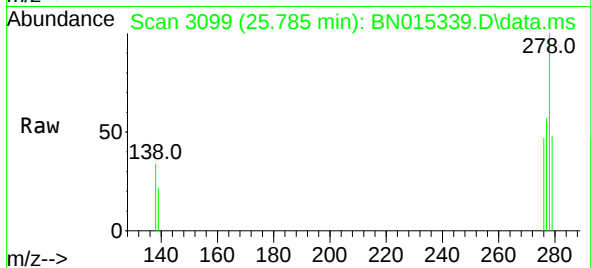
Tgt Ion:252 Resp: 8002423
Ion Ratio Lower Upper
252 100
253 24.3 19.4 29.2
125 15.2 7.4 11.2#



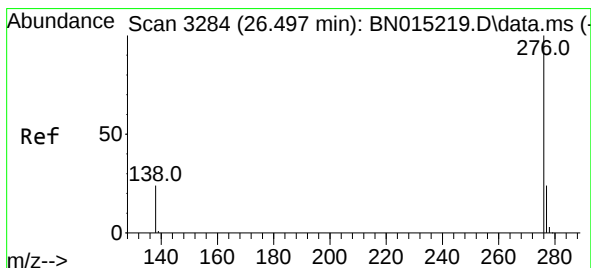
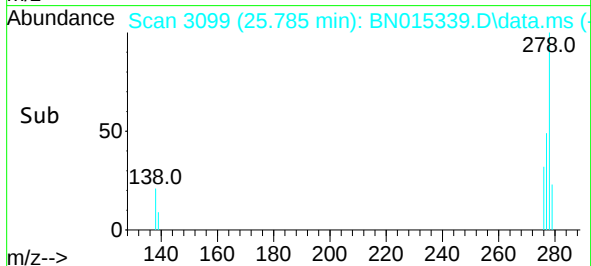
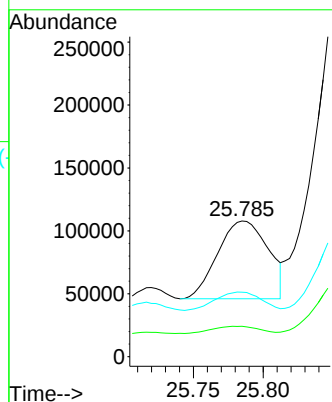


#40
Dibenzo(a,h)anthracene
Concen: 3.480 ng
RT: 25.785 min Scan# 3099
Delta R.T. -0.042 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Instrument :
BNA_N
ClientSampleId :
B1-0-2



Tgt Ion:278 Resp: 155358
Ion Ratio Lower Upper
278 100
139 22.4 9.0 13.4#
279 47.6 21.0 31.4#



#41
Benzo(g,h,i)perylene
Concen: 79.318 ng
RT: 26.572 min Scan# 3329
Delta R.T. 0.075 min
Lab File: BN015339.D
Acq: 06 Jul 2021 15:34

Tgt Ion:276 Resp: 3908515
Ion Ratio Lower Upper
276 100
277 24.9 19.7 29.5
138 23.0 9.8 14.6#

