

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021921\
 Data File : BN013680.D
 Acq On : 19 Feb 2021 13:09
 Operator : CG/JU
 Sample : M1448-06MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 19 13:42:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN020821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 18 10:50:10 2021
 Response via : Initial Calibration

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

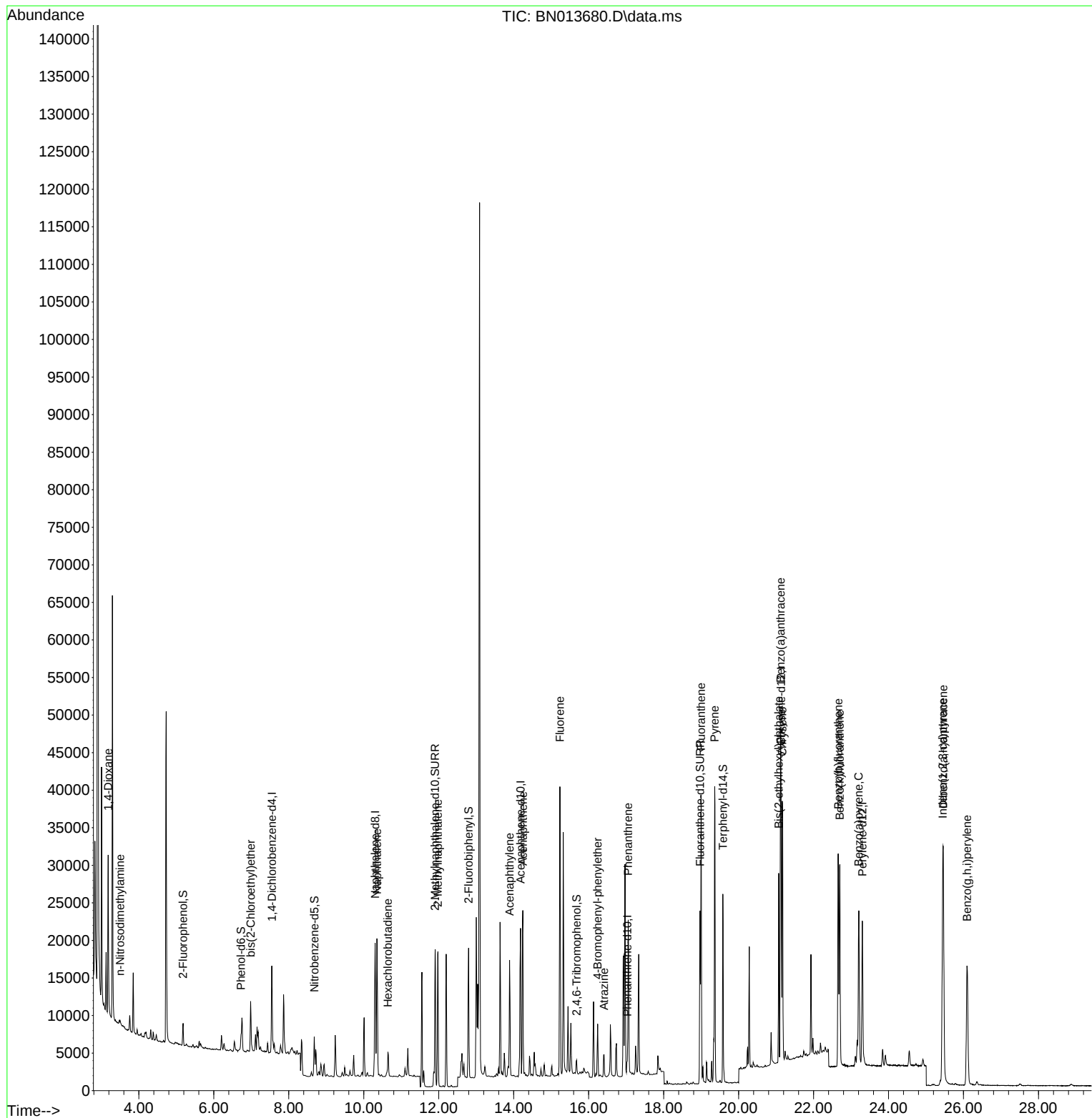
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.547	152	5236	0.40	ng	0.00
7) Naphthalene-d8	10.302	136	21160	0.40	ng	0.00
13) Acenaphthene-d10	14.181	164	11802	0.40	ng	0.00
19) Phenanthrene-d10	17.031	188	2857	0.40	ng	0.10
29) Chrysene-d12	21.133	240	25976	0.40	ng	0.00
36) Perylene-d12	23.301	264	24986	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.180	112	2293	0.20	ng	0.00
5) Phenol-d6	6.726	99	1876	0.13	ng	0.00
8) Nitrobenzene-d5	8.680	82	4000	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.902	152	12222	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.678	330	1470	0.44	ng	0.00
15) 2-Fluorobiphenyl	12.798	172	15185	0.34	ng	0.00
27) Fluoranthene-d10	18.970	212	25818	3.36	ng	0.00
31) Terphenyl-d14	19.581	244	24115	0.42	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.182	88	12683	2.16	ng	96
3) n-Nitrosodimethylamine	3.496	42	743	0.17	ng	# 94
6) bis(2-Chloroethyl)ether	6.984	93	4679	0.37	ng	100
9) Naphthalene	10.353	128	23301	0.45	ng	100
10) Hexachlorobutadiene	10.644	225	2804	0.32	ng	# 97
12) 2-Methylnaphthalene	11.977	142	13109	0.37	ng	99
16) Acenaphthylene	13.889	152	17761	0.39	ng	99
17) Acenaphthene	14.245	154	12305	0.38	ng	98
18) Fluorene	15.234	166	15810	0.39	ng	100
21) 4-Bromophenyl-phenylether	16.240	248	170	0.12	ng	# 21
23) Atrazine	16.410	200	2648	2.93	ng	96
25) Phenanthrene	17.055	178	23780	3.05	ng	99
28) Fluoranthene	19.000	202	33456	3.92	ng	99
30) Pyrene	19.362	202	34785	0.45	ng	99
32) Benzo(a)anthracene	21.123	228	31872	0.46	ng	100
33) Chrysene	21.165	228	32389	0.41	ng	99
34) Bis(2-ethylhexyl)phtha...	21.069	149	20561	1.01	ng	99
35) Indeno(1,2,3-cd)pyrene	25.447	276	36686	0.44	ng	99
37) Benzo(b)fluoranthene	22.657	252	35293	0.41	ng	98
38) Benzo(k)fluoranthene	22.699	252	32369	0.37	ng	98
39) Benzo(a)pyrene	23.205	252	28104	0.38	ng	98
40) Dibenzo(a,h)anthracene	25.461	278	29239	0.37	ng	97
41) Benzo(g,h,i)perylene	26.094	276	32052	0.39	ng	99

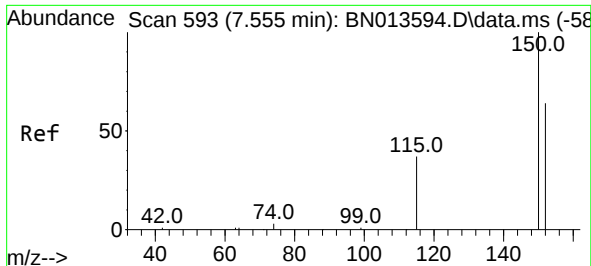
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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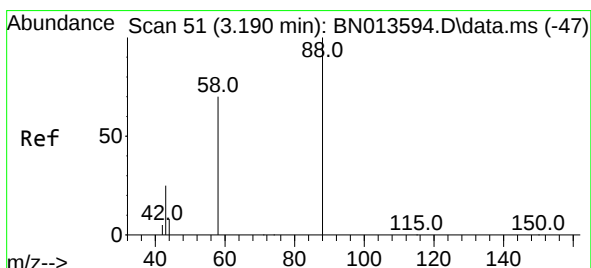
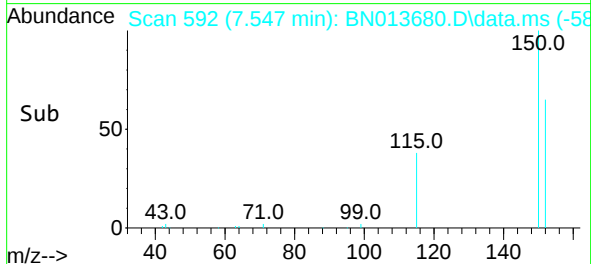
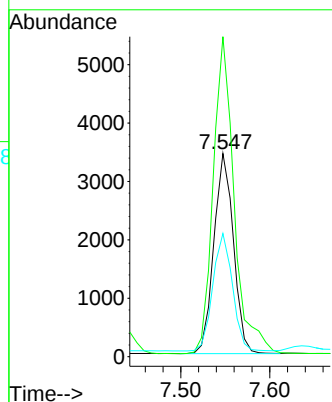
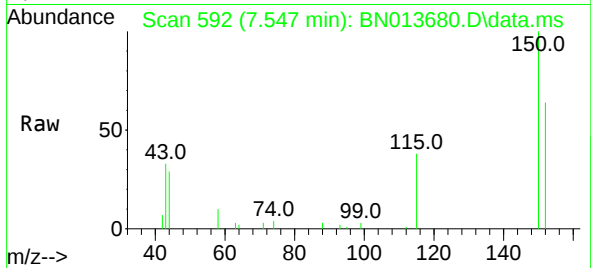




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.547 min Scan# 592
 Delta R.T. 0.000 min
 Lab File: BN013680.D
 Acq: 19 Feb 2021 13:09

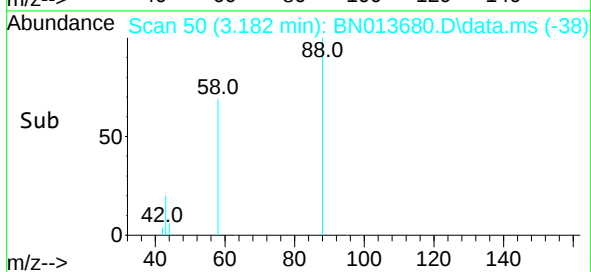
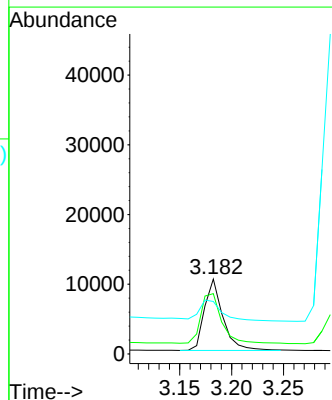
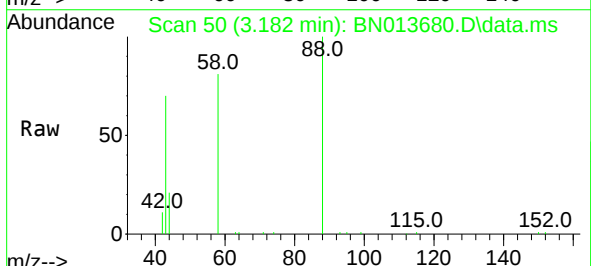
Instrument :
 BNA_N
 ClientSampled :

Tgt Ion:152 Resp: 5236
 Ion Ratio Lower Upper
 152 100
 150 157.5 121.8 182.8
 115 60.6 46.6 69.8



#2
 1,4-Dioxane
 Concen: 2.16 ng
 RT: 3.182 min Scan# 50
 Delta R.T. -0.000 min
 Lab File: BN013680.D
 Acq: 19 Feb 2021 13:09

Tgt Ion: 88 Resp: 12683
 Ion Ratio Lower Upper
 88 100
 58 77.4 64.6 96.8
 43 36.2 26.6 40.0

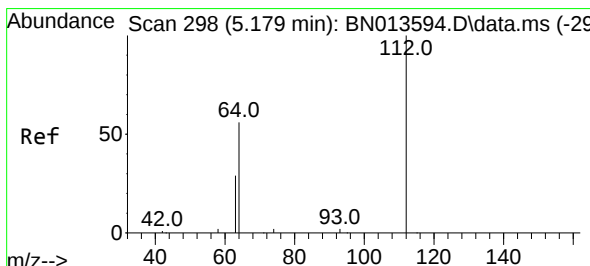
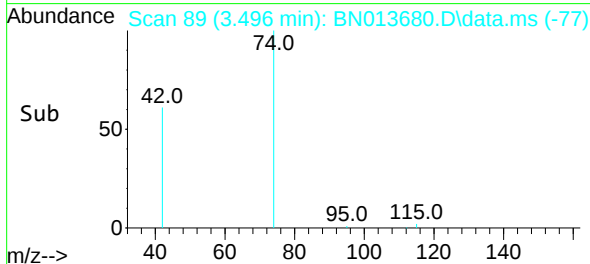
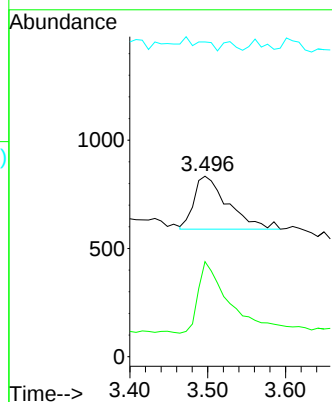
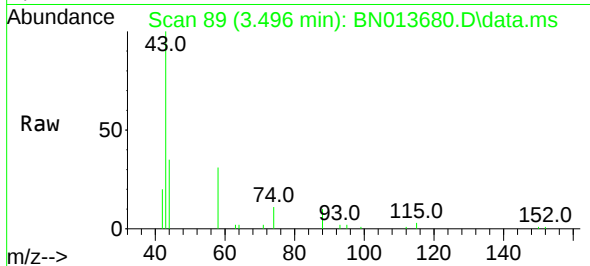




#3
n-Nitrosodimethylamine
Concen: 0.17 ng
RT: 3.496 min Scan# 89
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

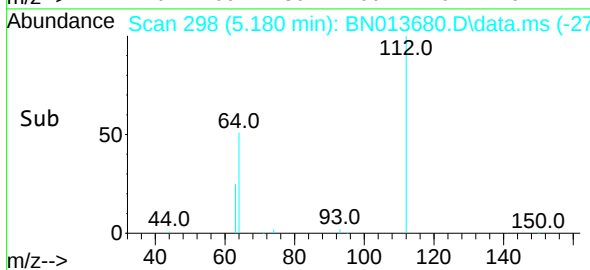
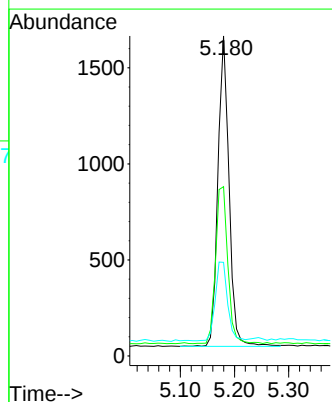
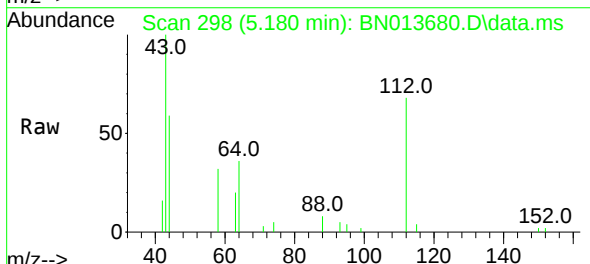
Instrument :
BNA_N
ClientSampleId :

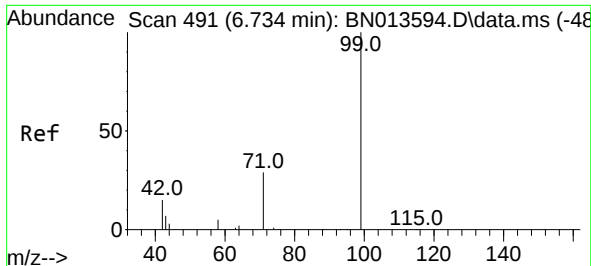
Tgt Ion: 42 Resp: 743
Ion Ratio Lower Upper
42 100
74 124.2 95.0 142.6
44 0.0 5.8 8.8#



#4
2-Fluorophenol
Concen: 0.20 ng
RT: 5.180 min Scan# 298
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion: 112 Resp: 2293
Ion Ratio Lower Upper
112 100
64 55.8 44.3 66.5
63 28.0 23.0 34.6

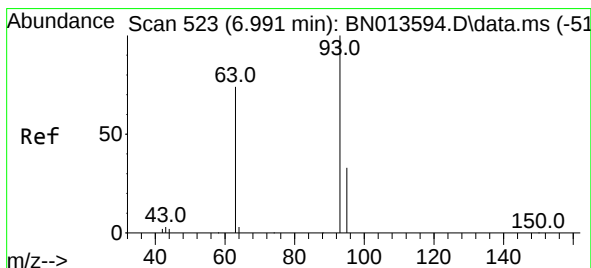
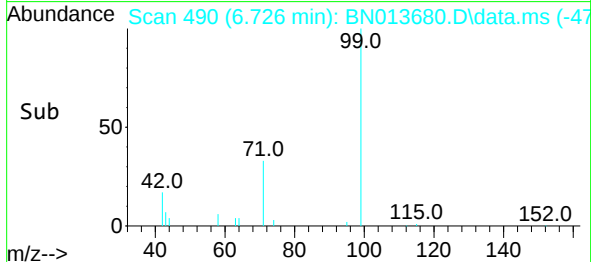
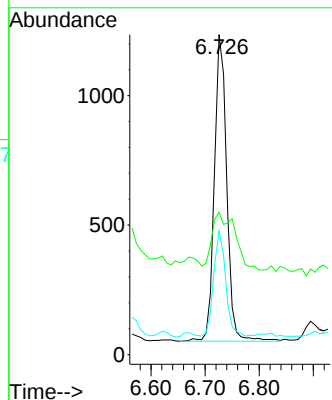
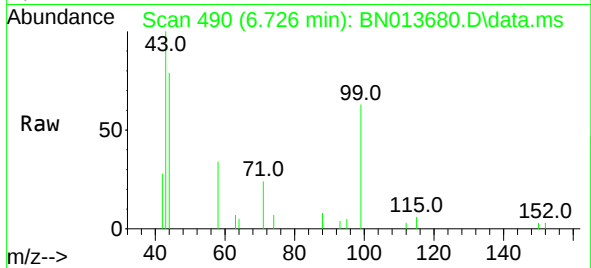




#5
Phenol-d6
Concen: 0.13 ng
RT: 6.726 min Scan# 490
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

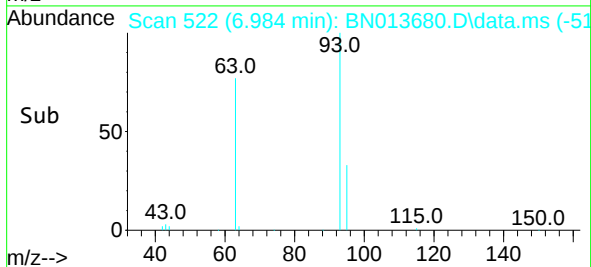
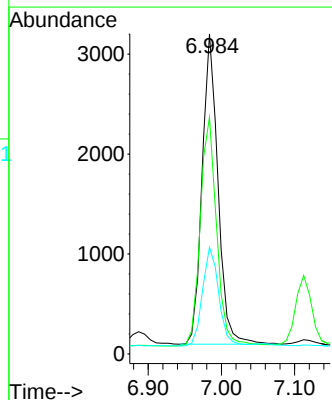
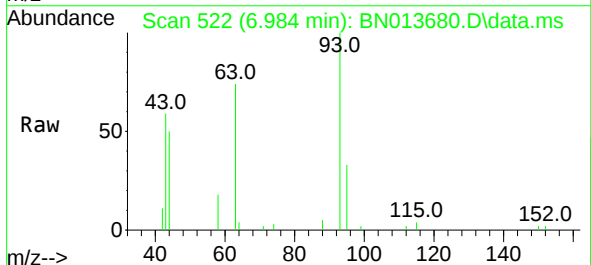
Instrument :
BNA_N
ClientSampleId :

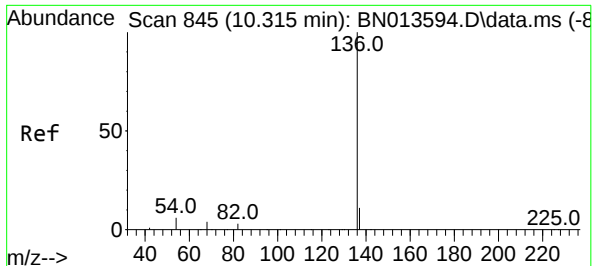
Tgt Ion: 99 Resp: 1876
Ion Ratio Lower Upper
99 100
42 35.1 15.2 22.8#
71 34.1 26.1 39.1



#6
bis(2-Chloroethyl)ether
Concen: 0.37 ng
RT: 6.984 min Scan# 522
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion: 93 Resp: 4679
Ion Ratio Lower Upper
93 100
63 76.4 60.8 91.2
95 32.7 26.0 39.0

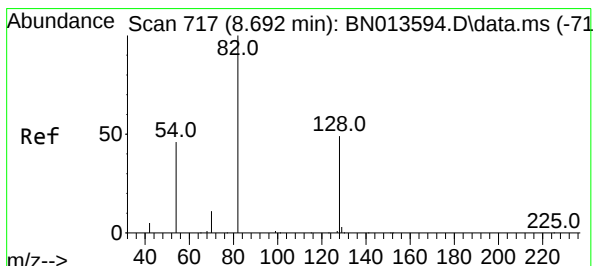
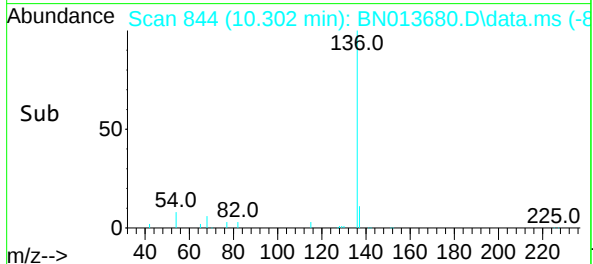
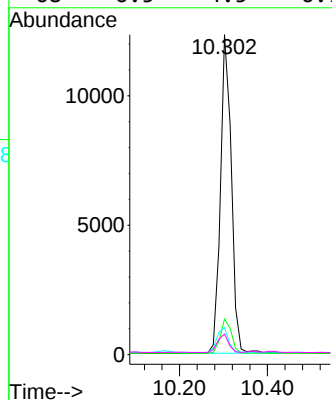
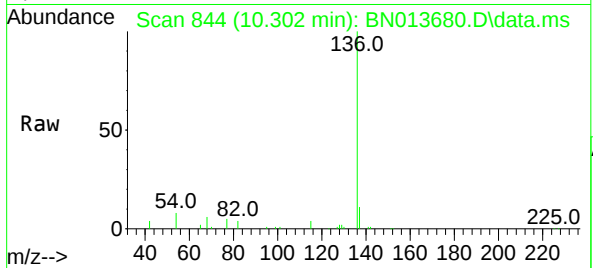




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.302 min Scan# 844
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

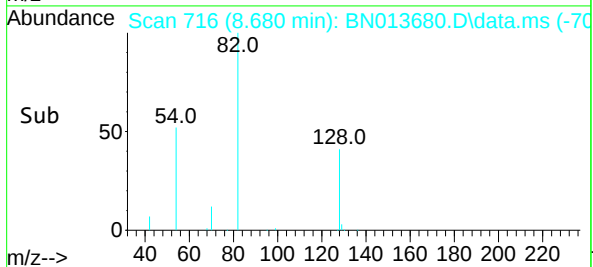
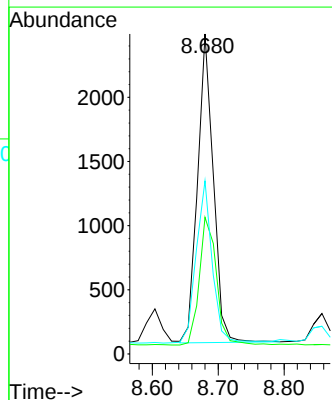
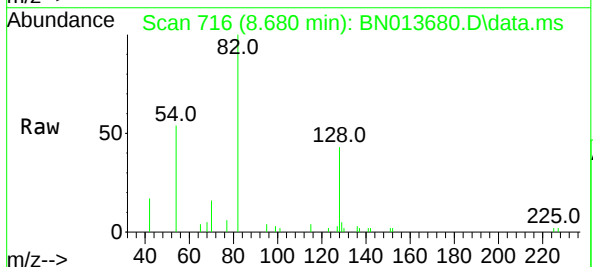
Instrument :
BNA_N
ClientSampleId :

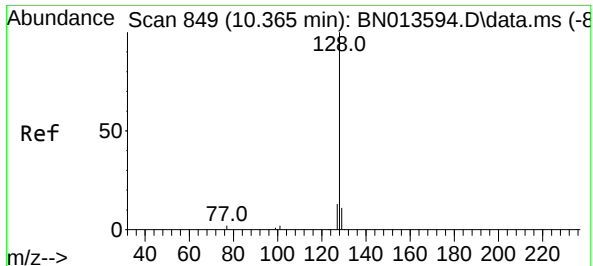
Tgt Ion:136	Resp:	21160
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.0 13.6
54	8.4	6.4 9.6
68	6.5	4.5 6.7



#8
Nitrobenzene-d5
Concen: 0.34 ng
RT: 8.680 min Scan# 716
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion: 82	Resp:	4000
Ion Ratio	Lower	Upper
82	100	
128	42.7	39.2 58.8
54	54.1	40.1 60.1

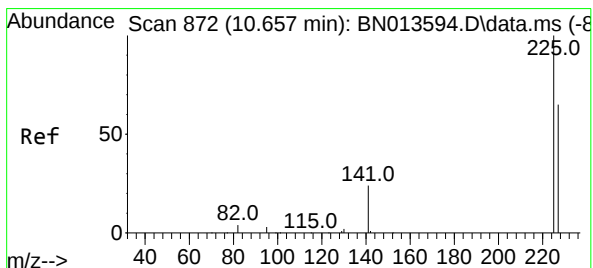
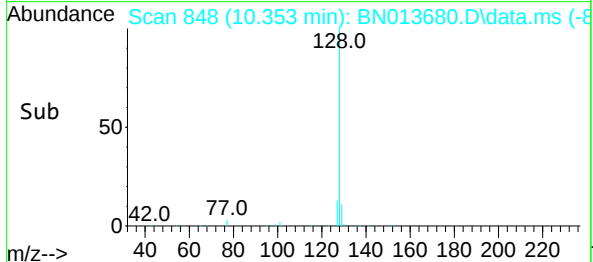
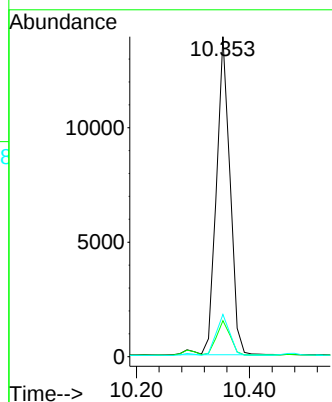
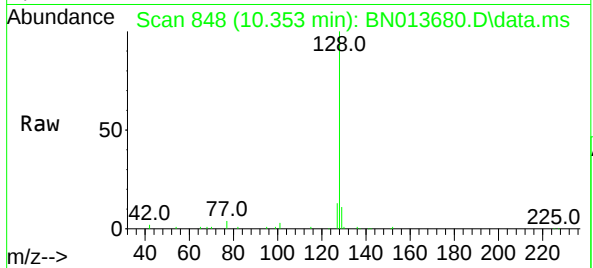




#9
Naphthalene
Concen: 0.45 ng
RT: 10.353 min Scan# 848
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

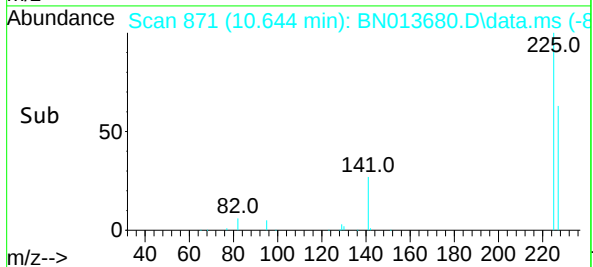
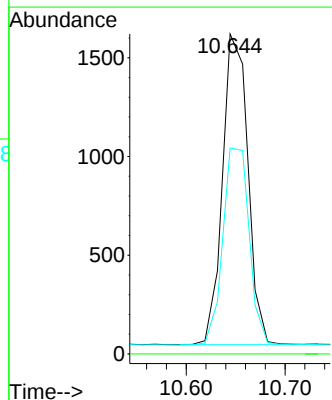
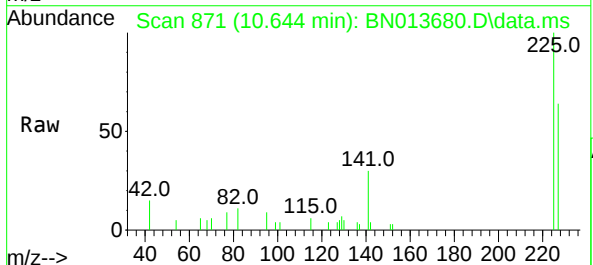
Instrument :
BNA_N
ClientSampleId :

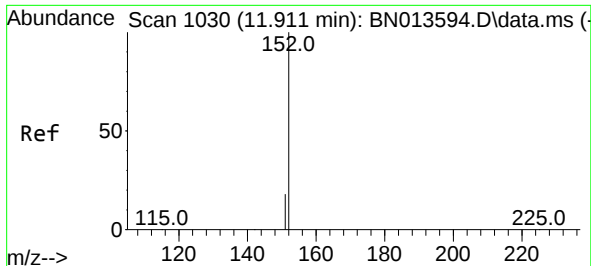
Tgt Ion:	128	Resp:	23301
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.0	13.4
127	13.2	10.4	15.6



#10
Hexachlorobutadiene
Concen: 0.32 ng
RT: 10.644 min Scan# 871
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion:	225	Resp:	2804
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	66.0	51.2	76.8

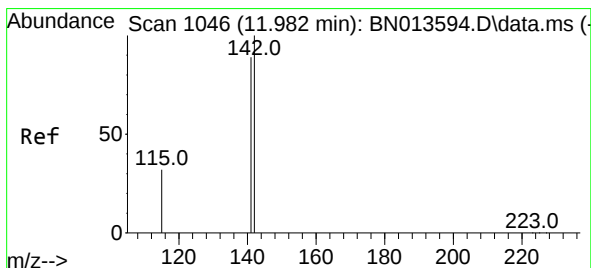
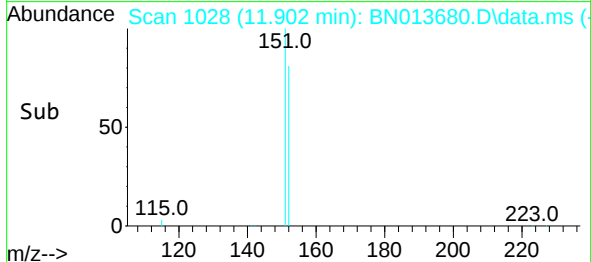
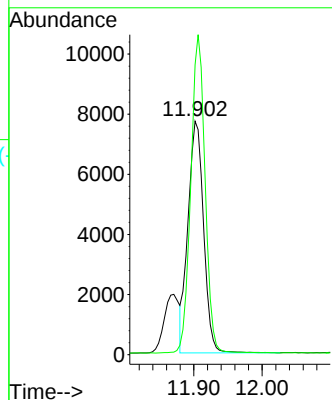
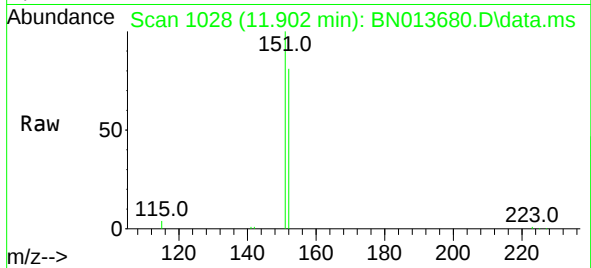




#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 11.902 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

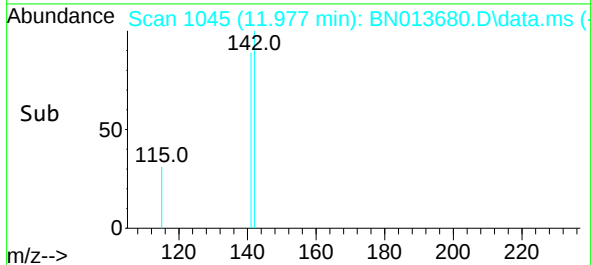
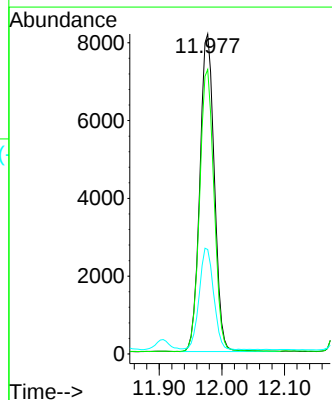
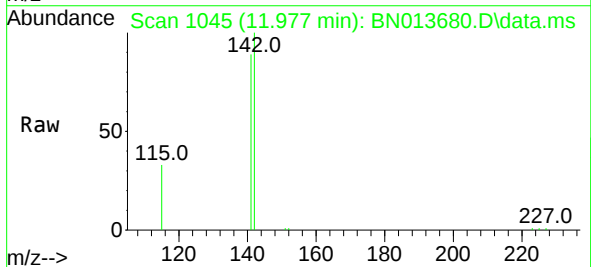
Instrument :
BNA_N
ClientSampled :

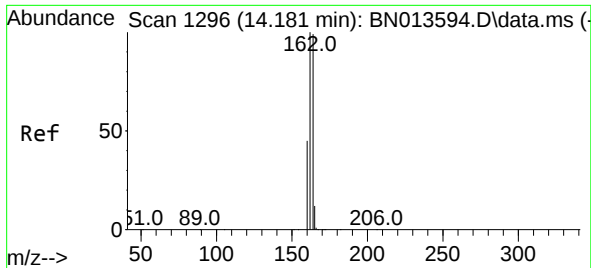
Tgt Ion:152 Resp: 12222
Ion Ratio Lower Upper
152 100
151 125.8 16.2 24.2#



#12
2-Methylnaphthalene
Concen: 0.37 ng
RT: 11.977 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion:142 Resp: 13109
Ion Ratio Lower Upper
142 100
141 88.9 70.5 105.7
115 32.6 27.4 41.0

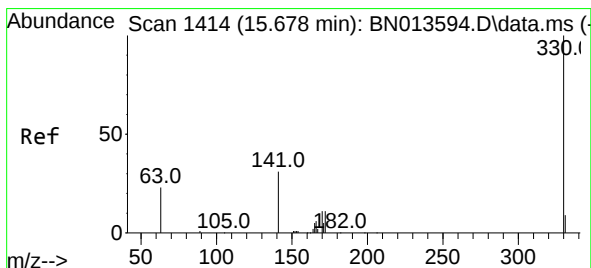
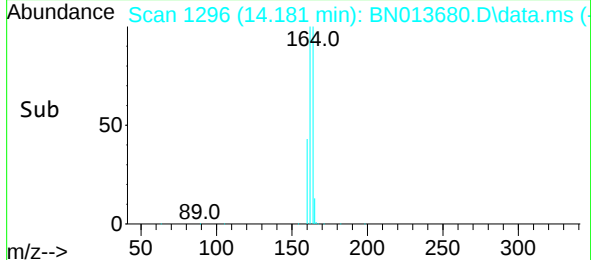
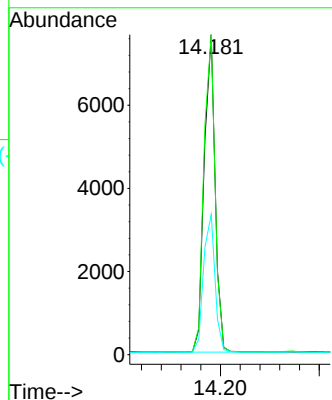
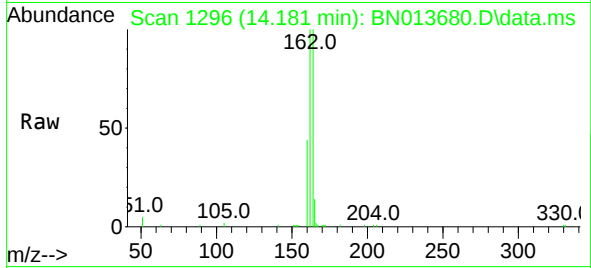




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.181 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

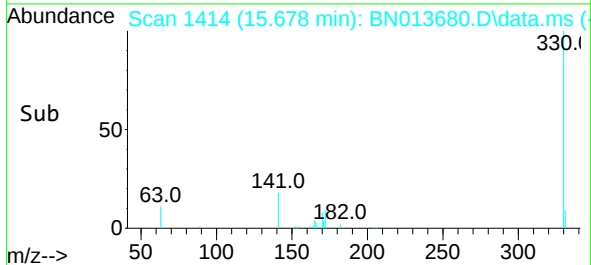
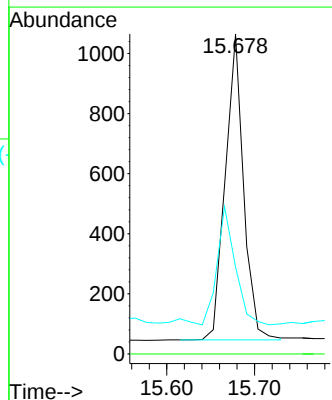
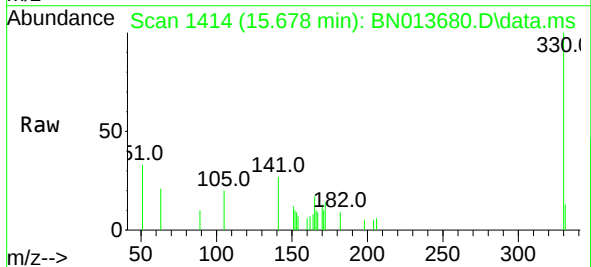
Instrument :
BNA_N
ClientSampleId :

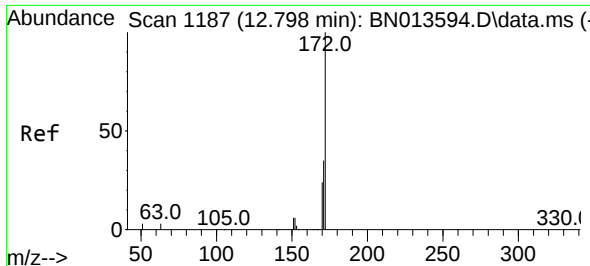
Tgt Ion:164 Resp: 11802
Ion Ratio Lower Upper
164 100
162 100.1 79.6 119.4
160 43.8 36.0 54.0



#14
2,4,6-Tribromophenol
Concen: 0.44 ng
RT: 15.678 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion:330 Resp: 1470
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.8 26.8 40.2

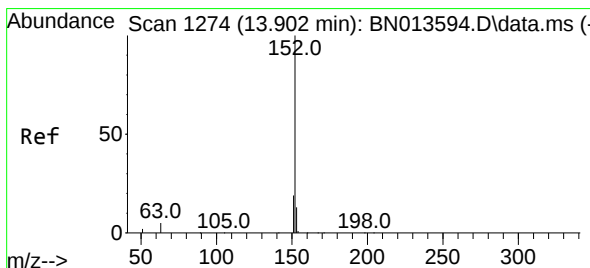
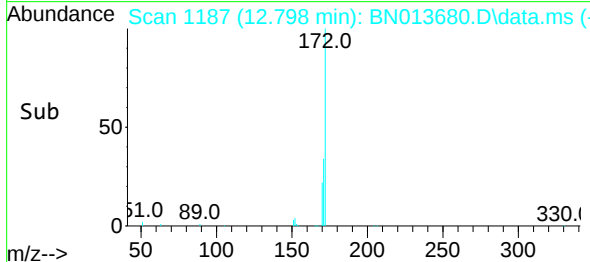
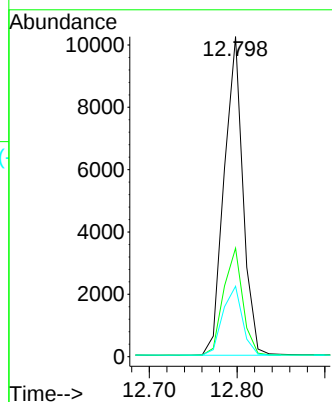
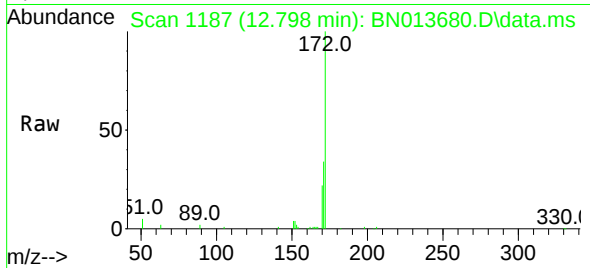




#15
2-Fluorobiphenyl
Concen: 0.34 ng
RT: 12.798 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

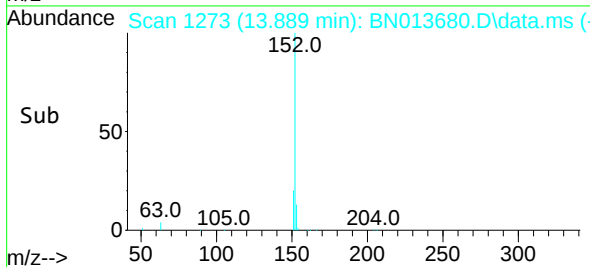
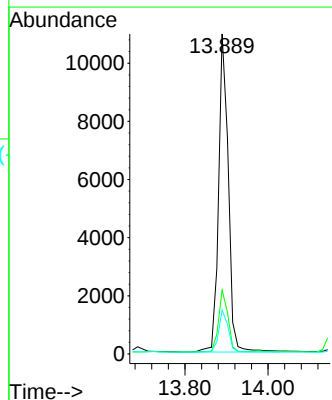
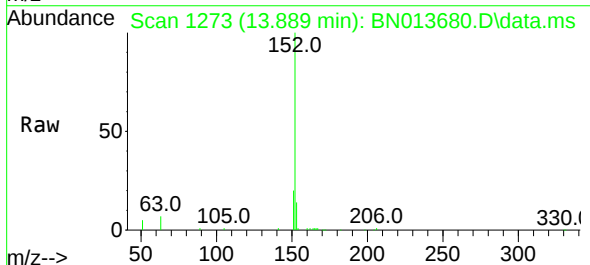
Instrument :
BNA_N
ClientSampleId :

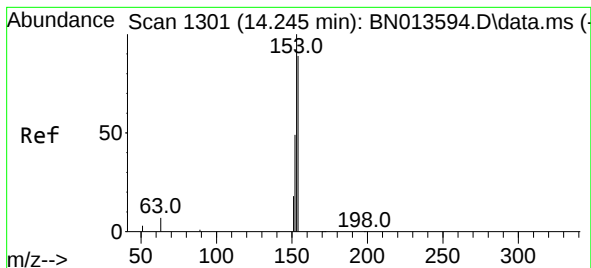
Tgt Ion:	172	Resp:	15185
Ion Ratio	Lower	Upper	
172	100		
171	33.9	28.6	42.8
170	22.0	18.9	28.3



#16
Acenaphthylene
Concen: 0.39 ng
RT: 13.889 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion:	152	Resp:	17761
Ion Ratio	Lower	Upper	
152	100		
151	19.1	15.7	23.5
153	13.1	10.5	15.7

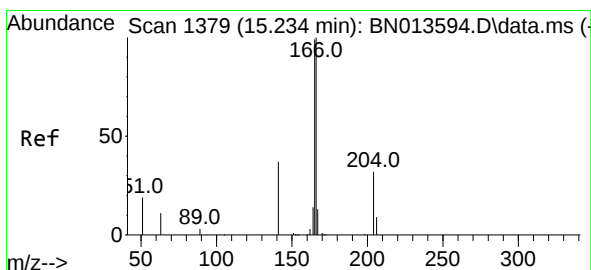
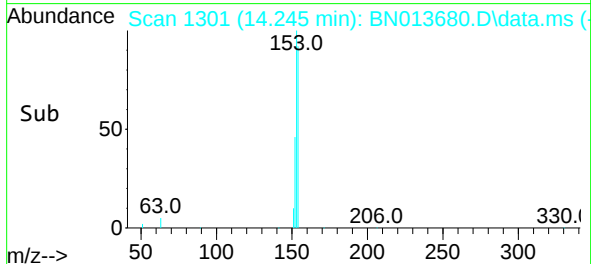
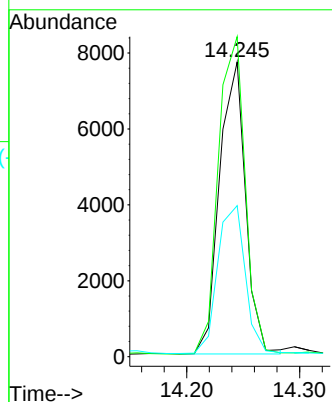
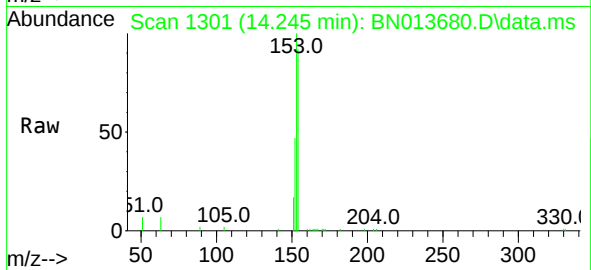




#17
Acenaphthene
Concen: 0.38 ng
RT: 14.245 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

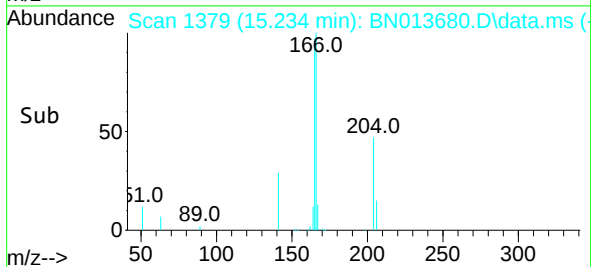
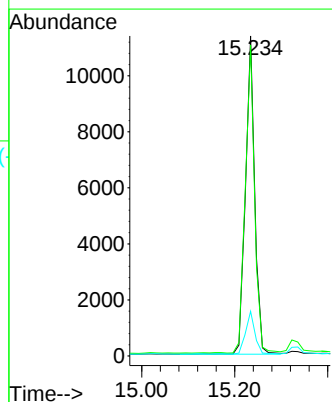
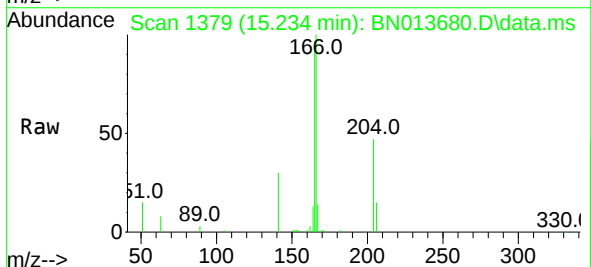
Instrument :
BNA_N
ClientSampleId :

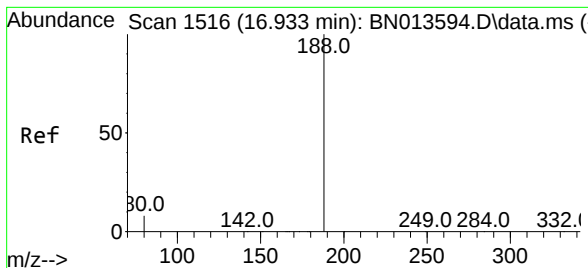
Tgt Ion:154 Resp: 12305
Ion Ratio Lower Upper
154 100
153 113.0 88.4 132.6
152 54.3 43.0 64.4



#18
Fluorene
Concen: 0.39 ng
RT: 15.234 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion:166 Resp: 15810
Ion Ratio Lower Upper
166 100
165 97.6 77.8 116.8
167 13.6 10.6 16.0

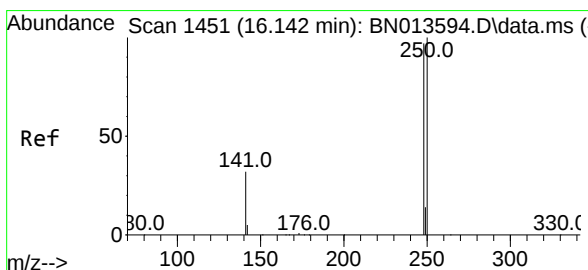
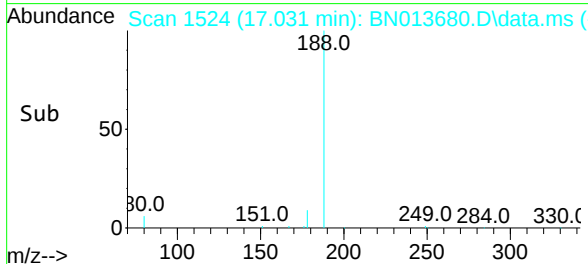
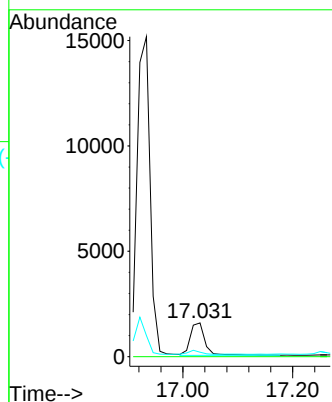
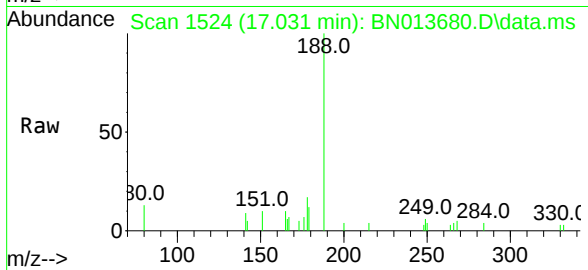




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.031 min Scan# 1524
Delta R.T. 0.098 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

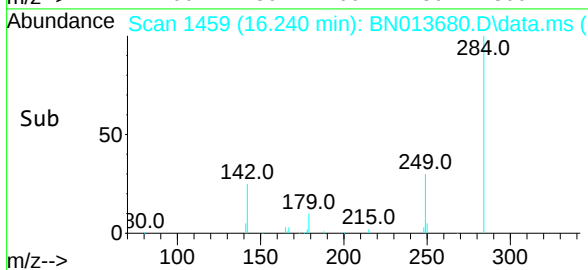
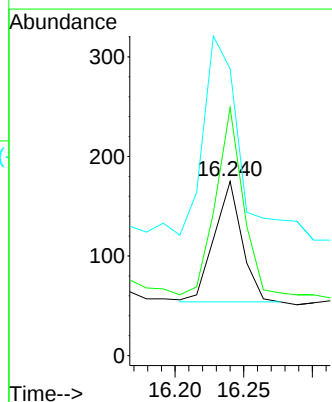
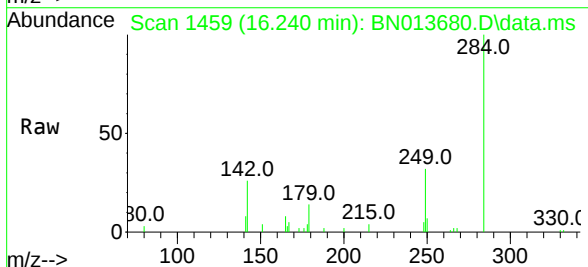
Instrument :
BNA_N
ClientSampled :

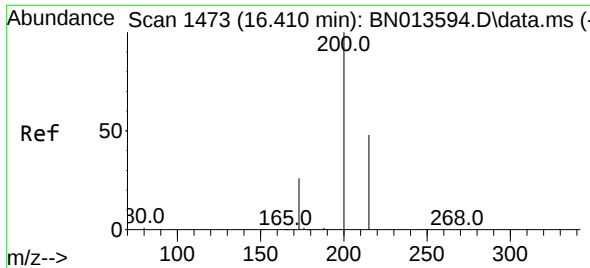
Tgt Ion:188 Resp: 2857
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.1 9.0 13.6



#21
4-Bromophenyl-phenylether
Concen: 0.12 ng
RT: 16.240 min Scan# 1459
Delta R.T. 0.110 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion:248 Resp: 170
Ion Ratio Lower Upper
248 100
250 142.3 75.5 113.3#
141 164.6 53.8 80.8#

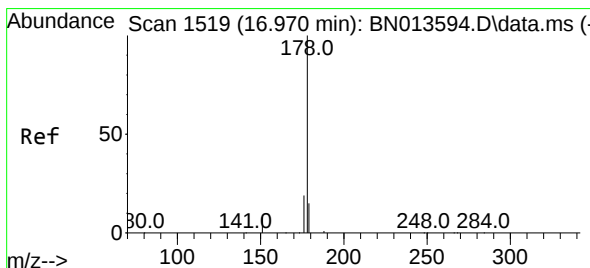
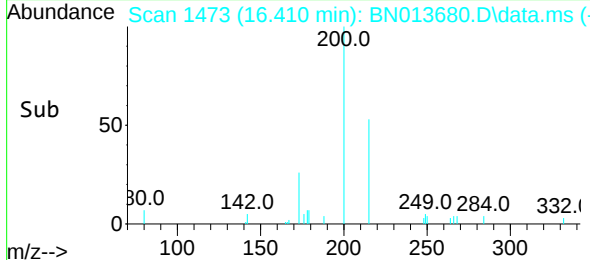
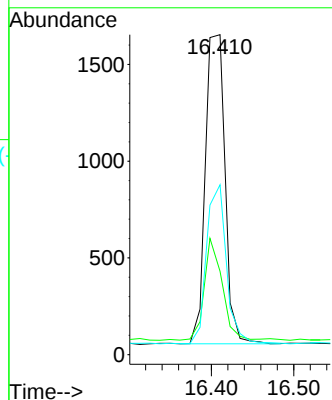
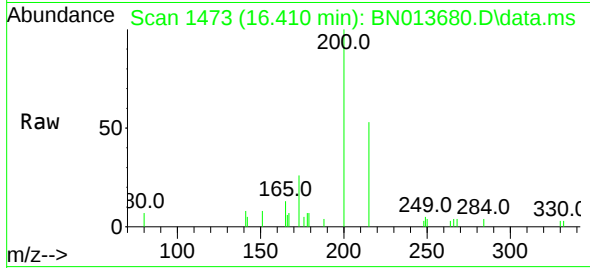




#23
Atrazine
Concen: 2.93 ng
RT: 16.410 min Scan# 1473
Delta R.T. 0.000 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

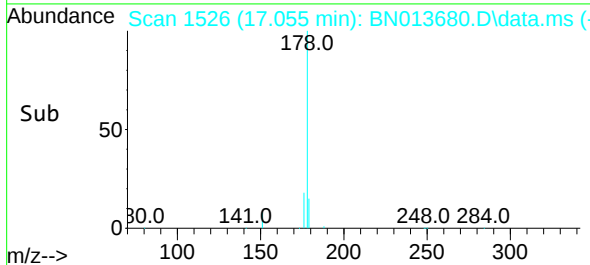
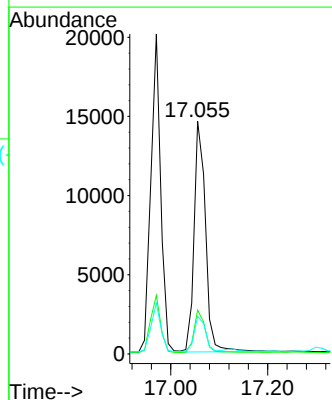
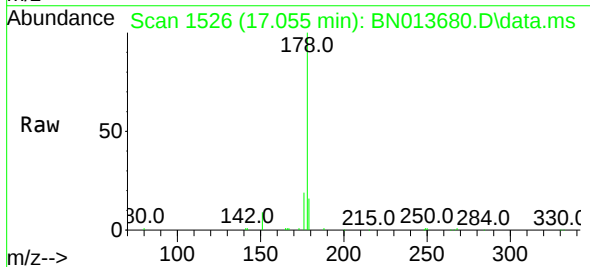
Instrument :
BNA_N
ClientSampleId :

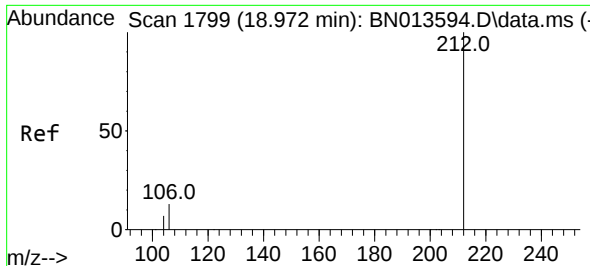
Tgt Ion:200 Resp: 2648
Ion Ratio Lower Upper
200 100
173 26.1 18.6 28.0
215 53.1 41.0 61.6



#25
Phenanthrene
Concen: 3.05 ng
RT: 17.055 min Scan# 1526
Delta R.T. 0.086 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion:178 Resp: 23780
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 15.5 12.3 18.5

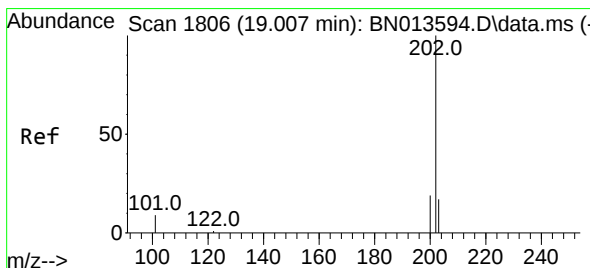
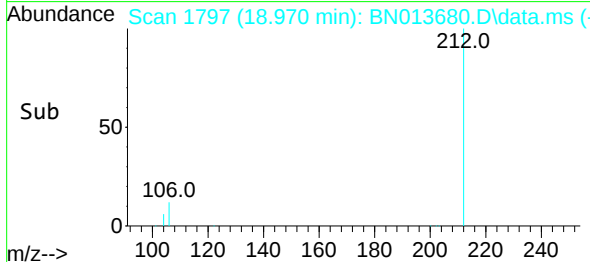
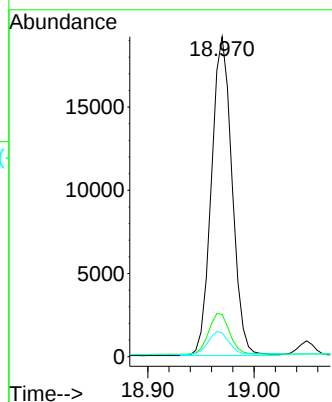
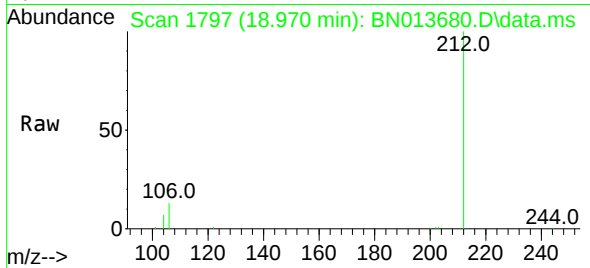




#27
Fluoranthene-d10
Concen: 3.36 ng
RT: 18.970 min Scan# 1797
Delta R.T. -0.002 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

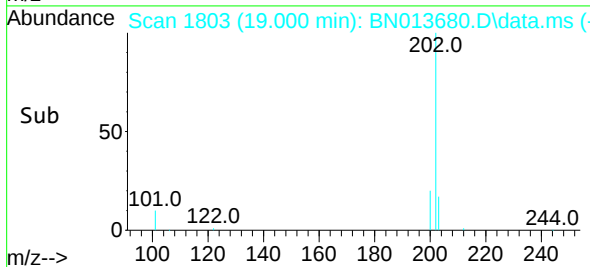
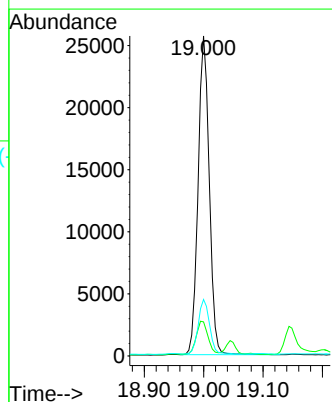
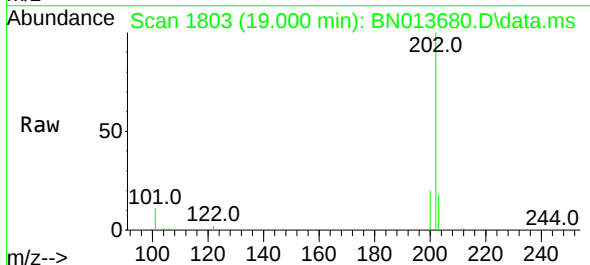
Instrument :
BNA_N
ClientSampleId :

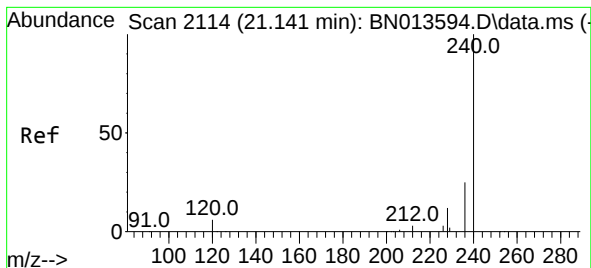
Tgt Ion:212 Resp: 25818
Ion Ratio Lower Upper
212 100
106 13.2 9.7 14.5
104 7.3 5.5 8.3



#28
Fluoranthene
Concen: 3.92 ng
RT: 19.000 min Scan# 1803
Delta R.T. -0.002 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion:202 Resp: 33456
Ion Ratio Lower Upper
202 100
101 10.8 8.1 12.1
203 17.3 13.9 20.9





#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.133 min Scan# 2112

Delta R.T. 0.003 min

Lab File: BN013680.D

Acq: 19 Feb 2021 13:09

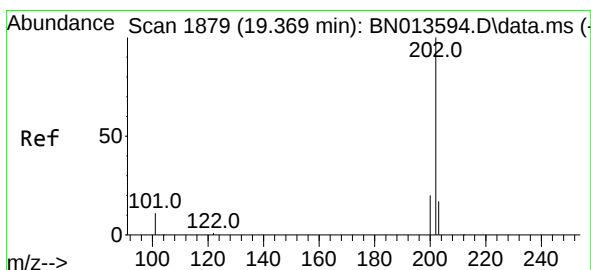
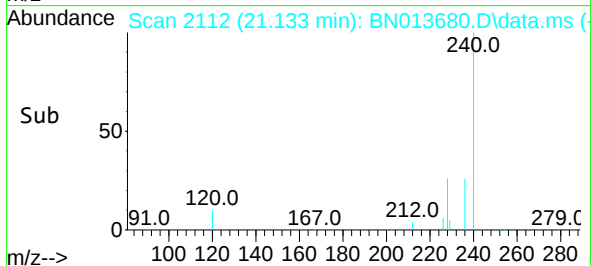
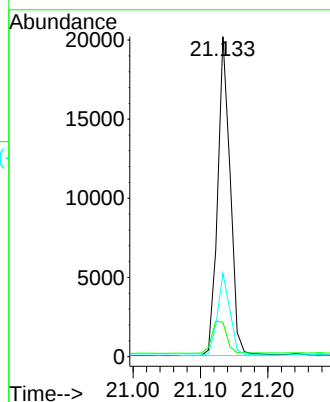
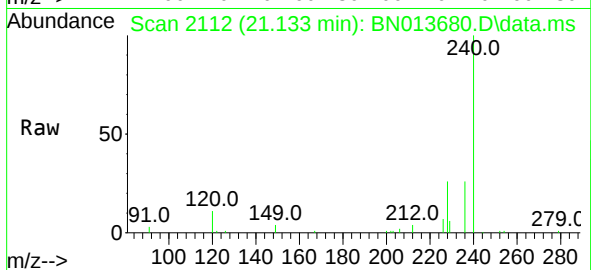
Tgt Ion:240 Resp: 25976

Ion Ratio Lower Upper

240 100

120 10.8 10.2 15.4

236 26.0 21.3 31.9



#30

Pyrene

Concen: 0.45 ng

RT: 19.362 min Scan# 1876

Delta R.T. -0.002 min

Lab File: BN013680.D

Acq: 19 Feb 2021 13:09

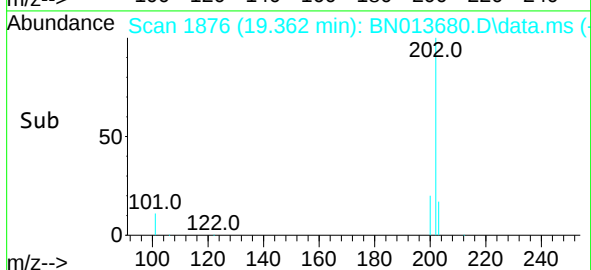
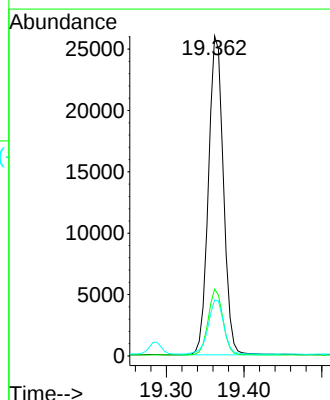
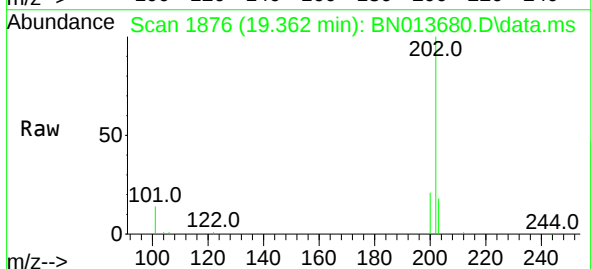
Tgt Ion:202 Resp: 34785

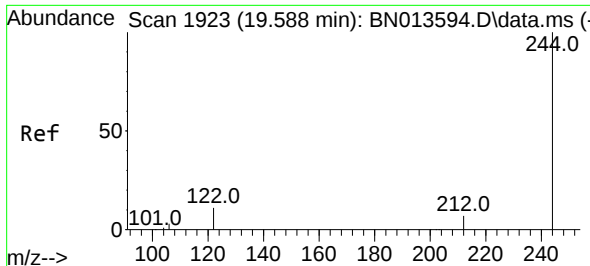
Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

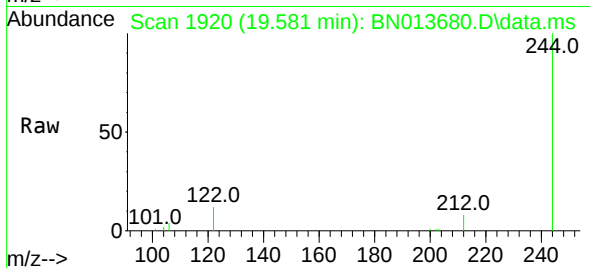
203 17.8 14.0 21.0



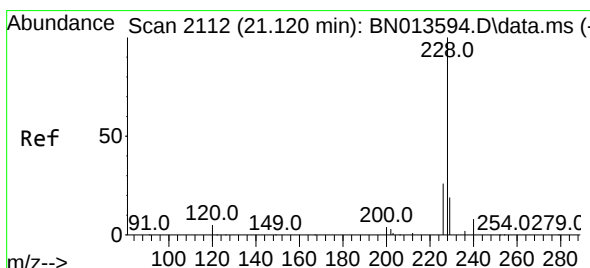
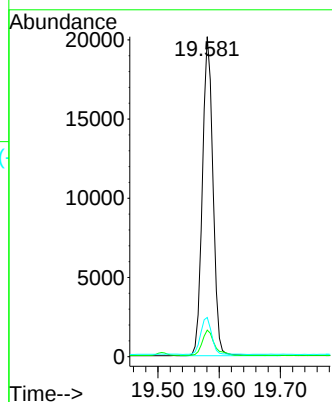
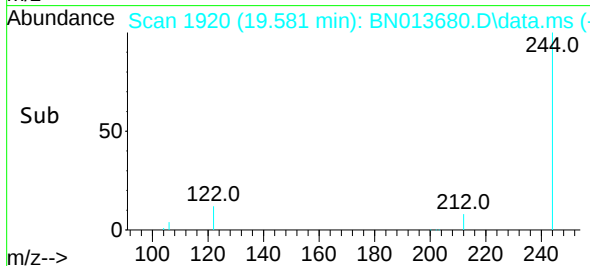


#31
Terphenyl-d14
Concen: 0.42 ng
RT: 19.581 min Scan# 1920
Delta R.T. -0.002 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

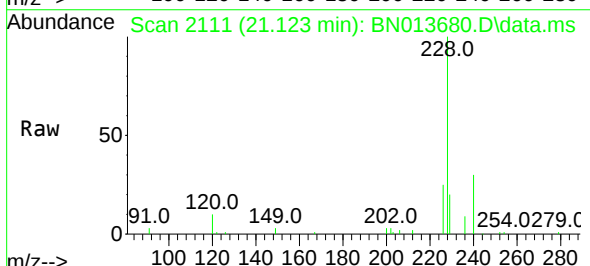
Instrument :
BNA_N
ClientSampleId :



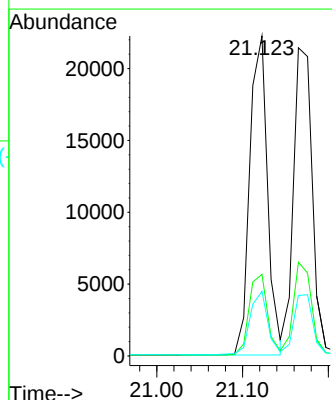
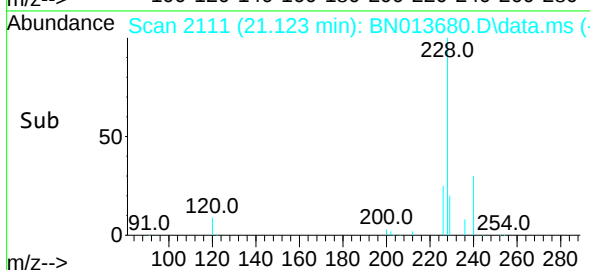
Tgt Ion:244 Resp: 24115
Ion Ratio Lower Upper
244 100
212 8.3 6.1 9.1
122 12.3 9.8 14.8

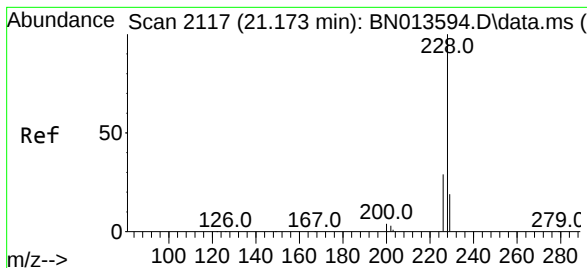


#32
Benzo(a)anthracene
Concen: 0.46 ng
RT: 21.123 min Scan# 2111
Delta R.T. 0.003 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09



Tgt Ion:228 Resp: 31872
Ion Ratio Lower Upper
228 100
226 25.5 20.5 30.7
229 20.2 16.2 24.4





#33

Chrysene

Concen: 0.41 ng

RT: 21.165 min Scan# 2115

Delta R.T. -0.008 min

Lab File: BN013680.D

Acq: 19 Feb 2021 13:09

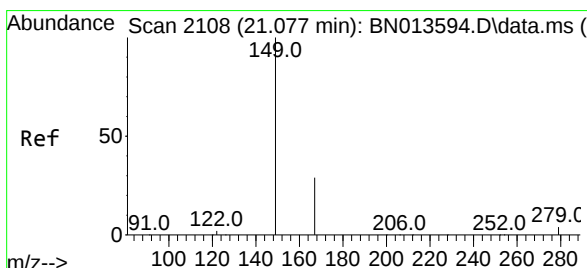
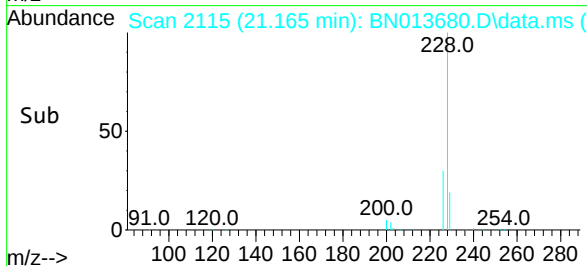
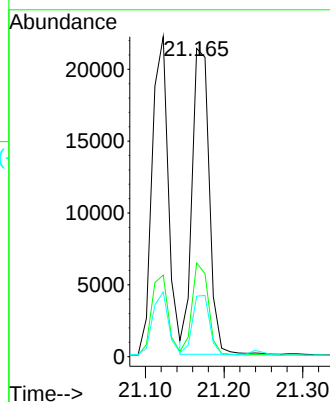
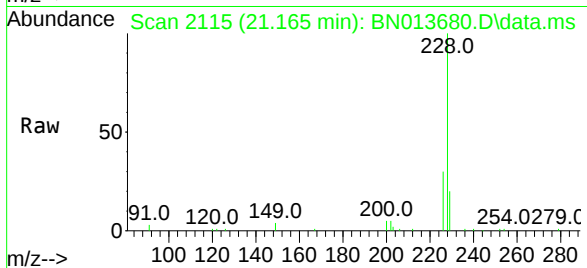
Tgt Ion:228 Resp: 32389

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 19.7 15.1 22.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.01 ng

RT: 21.069 min Scan# 2106

Delta R.T. 0.003 min

Lab File: BN013680.D

Acq: 19 Feb 2021 13:09

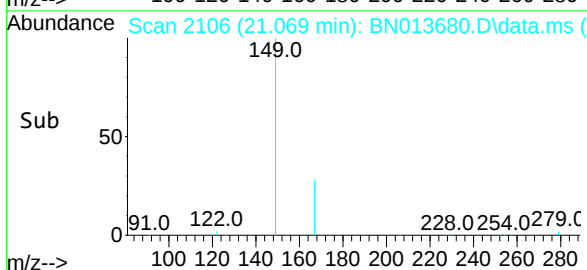
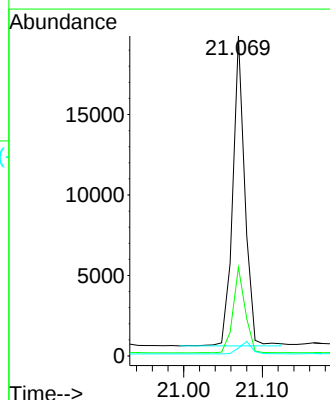
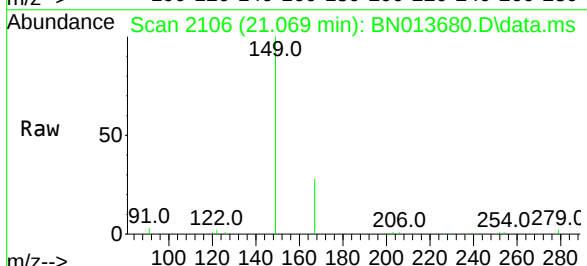
Tgt Ion:149 Resp: 20561

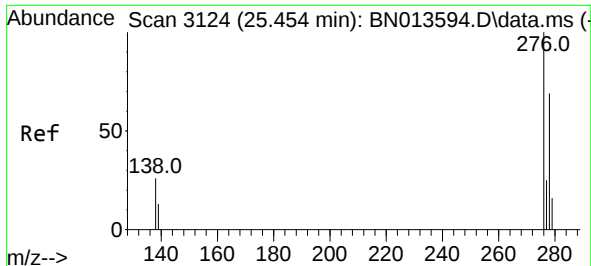
Ion Ratio Lower Upper

149 100

167 27.9 22.1 33.1

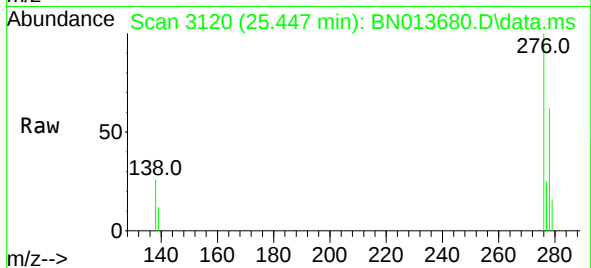
279 4.1 3.5 5.3



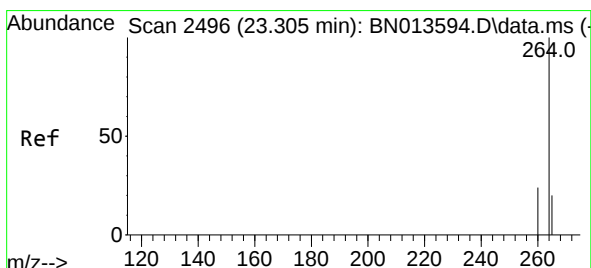
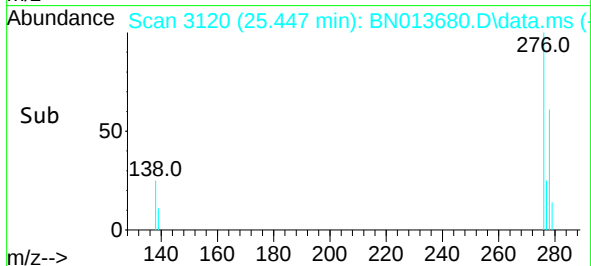
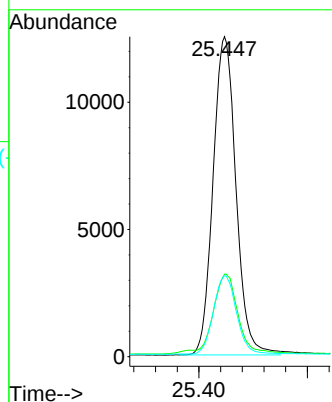


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.44 ng
RT: 25.447 min Scan# 3120
Delta R.T. 0.003 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Instrument :
BNA_N
ClientSampleId :

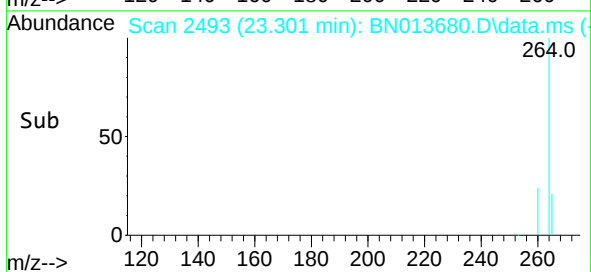
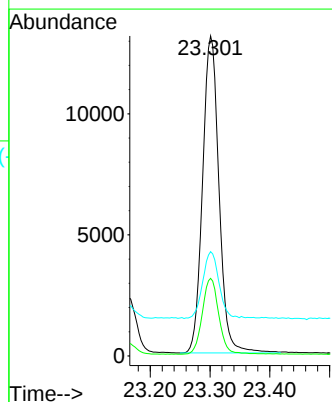
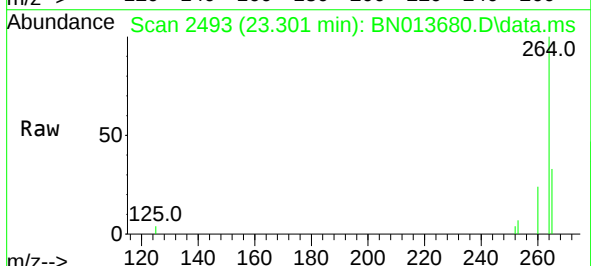


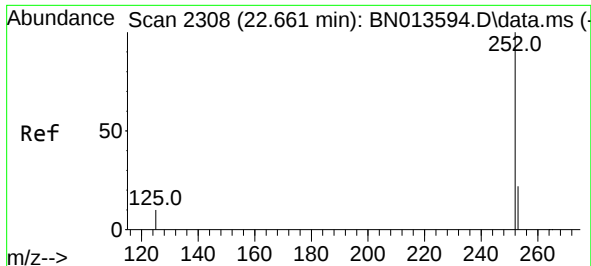
Tgt Ion:276 Resp: 36686
Ion Ratio Lower Upper
276 100
138 25.3 19.8 29.6
277 24.6 19.9 29.9



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.301 min Scan# 2493
Delta R.T. -0.001 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Tgt Ion:264 Resp: 24986
Ion Ratio Lower Upper
264 100
260 24.2 19.3 28.9
265 32.6 66.2 99.4#





#37

Benzo(b)fluoranthene

Concen: 0.41 ng

RT: 22.657 min Scan# 2305

Delta R.T. -0.001 min

Lab File: BN013680.D

Acq: 19 Feb 2021 13:09

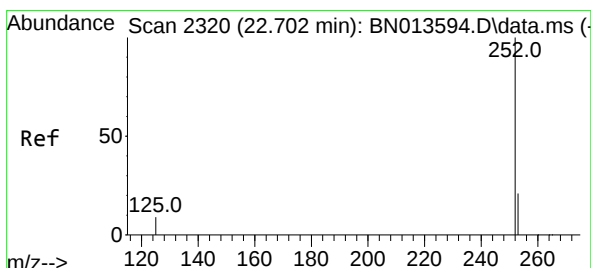
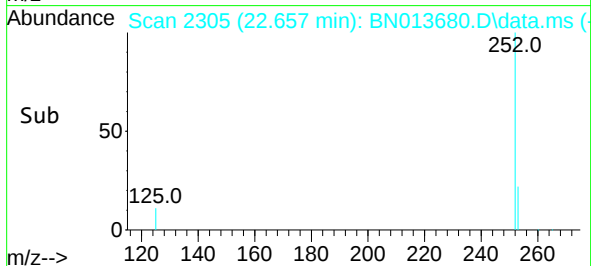
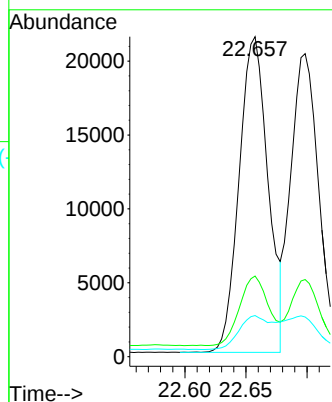
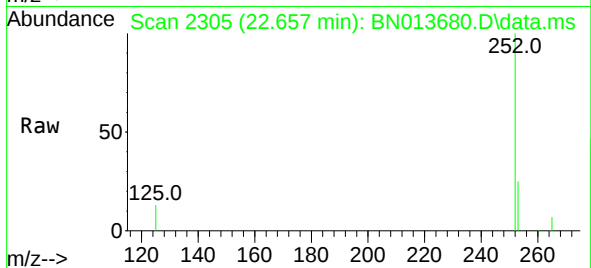
Tgt Ion:252 Resp: 35293

Ion Ratio Lower Upper

252 100

253 25.2 20.4 30.6

125 12.9 11.6 17.4



#38

Benzo(k)fluoranthene

Concen: 0.37 ng

RT: 22.699 min Scan# 2317

Delta R.T. -0.001 min

Lab File: BN013680.D

Acq: 19 Feb 2021 13:09

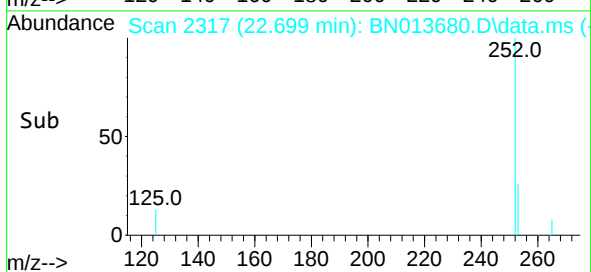
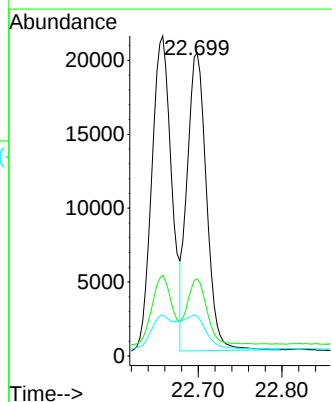
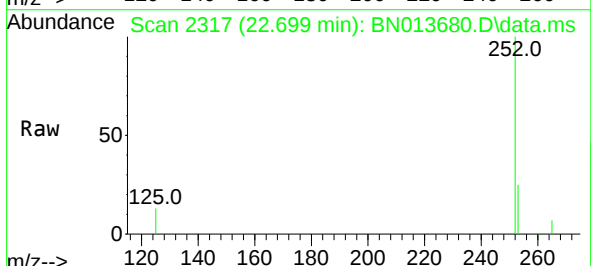
Tgt Ion:252 Resp: 32369

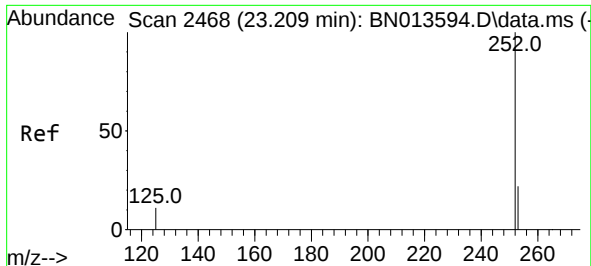
Ion Ratio Lower Upper

252 100

253 25.5 20.5 30.7

125 13.1 12.3 18.5





#39

Benzo(a)pyrene

Concen: 0.38 ng

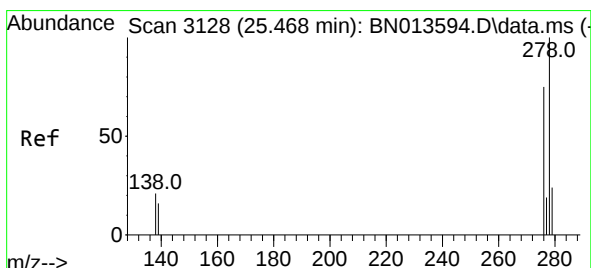
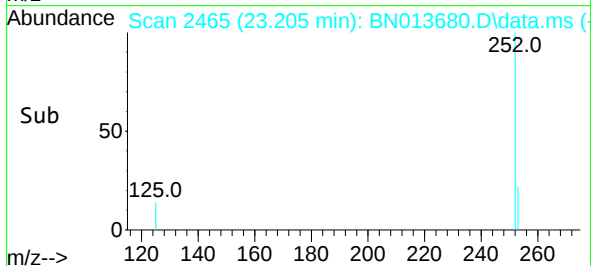
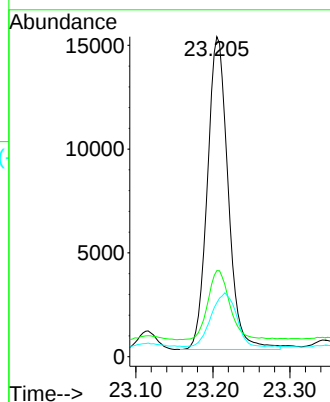
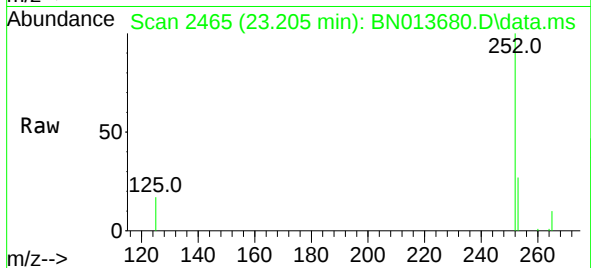
RT: 23.205 min Scan# 2465

Delta R.T. -0.001 min

Lab File: BN013680.D

Acq: 19 Feb 2021 13:09

Tgt Ion:	252	Resp:	28104
Ion Ratio	Lower	Upper	
252	100		
253	26.9	21.8	32.6
125	16.8	14.6	21.8



#40

Dibenzo(a,h)anthracene

Concen: 0.37 ng

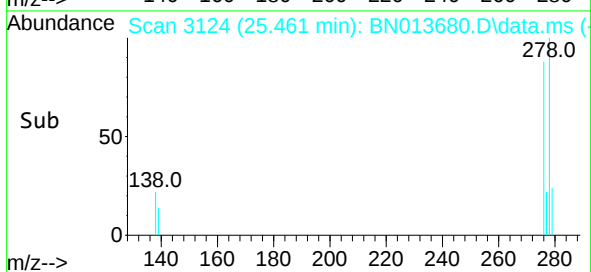
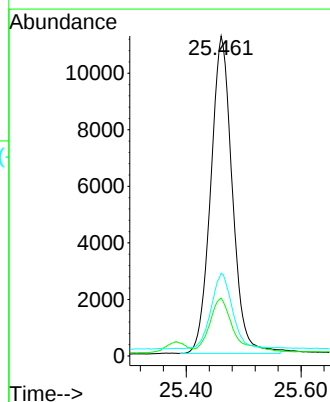
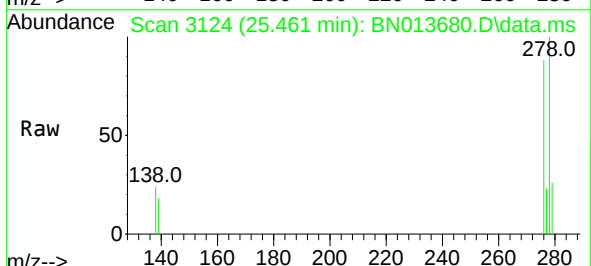
RT: 25.461 min Scan# 3124

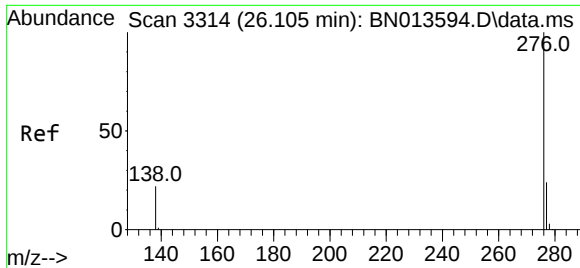
Delta R.T. 0.003 min

Lab File: BN013680.D

Acq: 19 Feb 2021 13:09

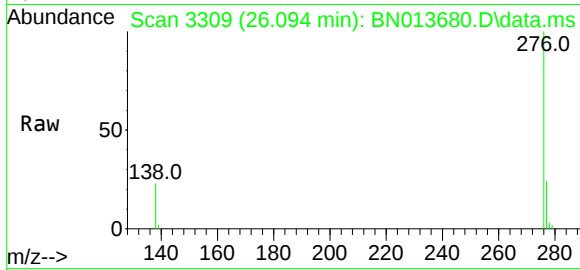
Tgt Ion:	278	Resp:	29239
Ion Ratio	Lower	Upper	
278	100		
139	18.0	13.1	19.7
279	25.8	21.4	32.0





#41
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 26.094 min Scan# 3309
Delta R.T. -0.004 min
Lab File: BN013680.D
Acq: 19 Feb 2021 13:09

Instrument :
BNA_N
ClientSampleId :



Tgt Ion: 276 Resp: 32052
Ion Ratio Lower Upper
276 100
277 24.1 20.0 30.0
138 22.8 17.8 26.8

