

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021921\
 Data File : BN013679.D
 Acq On : 19 Feb 2021 11:54
 Operator : CG/JU
 Sample : M1448-05MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 19 12:26:54 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)

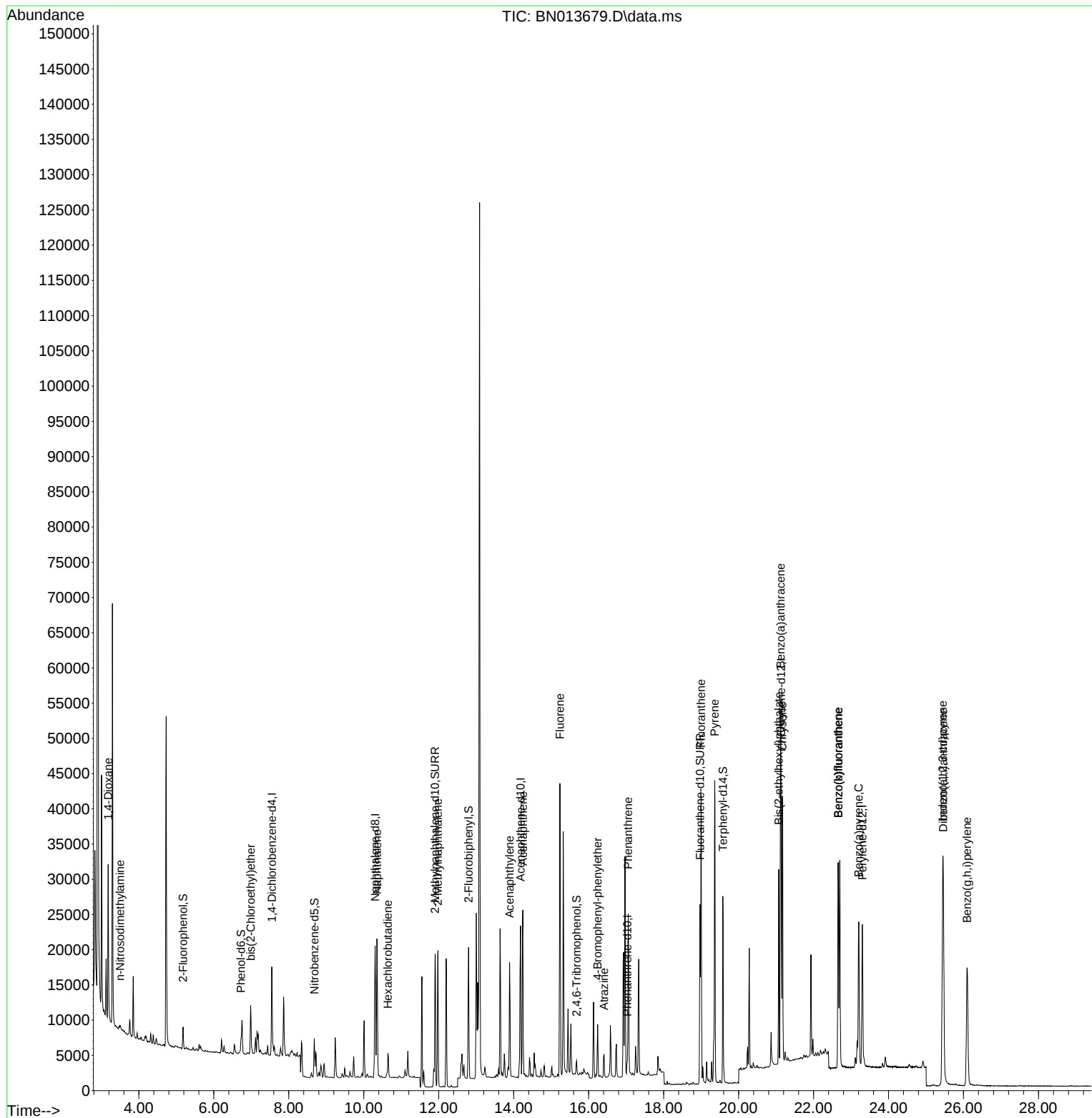
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.547	152	5637	0.40	ng	0.00
7) Naphthalene-d8	10.302	136	22334	0.40	ng	0.00
13) Acenaphthene-d10	14.181	164	12549	0.40	ng	0.00
19) Phenanthrene-d10	17.031	188	2989	0.40	ng	0.10
29) Chrysene-d12	21.133	240	28171	0.40	ng	0.00
36) Perylene-d12	23.301	264	26298	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.180	112	2420	0.20	ng	0.00
5) Phenol-d6	6.726	99	1958	0.13	ng	0.00
8) Nitrobenzene-d5	8.680	82	4176	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.902	152	12933	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.678	330	1568	0.44	ng	0.00
15) 2-Fluorobiphenyl	12.798	172	16223	0.34	ng	0.00
27) Fluoranthene-d10	18.970	212	28369	3.53	ng	0.00
31) Terphenyl-d14	19.581	244	26433	0.42	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.182	88	13033	2.06	ng	95
3) n-Nitrosodimethylamine	3.496	42	751	0.16	ng	# 97
6) bis(2-Chloroethyl)ether	6.984	93	4920	0.36	ng	99
9) Naphthalene	10.353	128	24754	0.45	ng	100
10) Hexachlorobutadiene	10.644	225	2973	0.33	ng	# 99
12) 2-Methylnaphthalene	11.977	142	13805	0.37	ng	99
16) Acenaphthylene	13.889	152	18873	0.39	ng	99
17) Acenaphthene	14.245	154	13166	0.38	ng	99
18) Fluorene	15.234	166	16699	0.39	ng	100
21) 4-Bromophenyl-phenylether	16.240	248	177	0.12	ng	# 26
23) Atrazine	16.410	200	2867	3.03	ng	97
25) Phenanthrene	17.055	178	25842	3.17	ng	99
28) Fluoranthene	19.000	202	36590	4.10	ng	99
30) Pyrene	19.362	202	38047	0.45	ng	99
32) Benzo(a)anthracene	21.123	228	34592	0.46	ng	100
33) Chrysene	21.165	228	35351	0.41	ng	99
34) Bis(2-ethylhexyl)phtha...	21.070	149	22226	1.00	ng	100
35) Indeno(1,2,3-cd)pyrene	25.447	276	37771	0.42	ng	99
37) Benzo(b)fluoranthene	22.657	252	37598	0.41	ng	97
38) Benzo(k)fluoranthene	22.657	252	37598	0.41	ng	96
39) Benzo(a)pyrene	23.205	252	29230	0.38	ng	96
40) Dibenzo(a,h)anthracene	25.461	278	30229	0.36	ng	98
41) Benzo(g,h,i)perylene	26.094	276	33464	0.38	ng	99

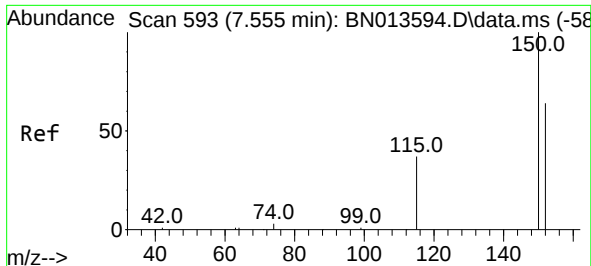
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 18 10:50:10 2021
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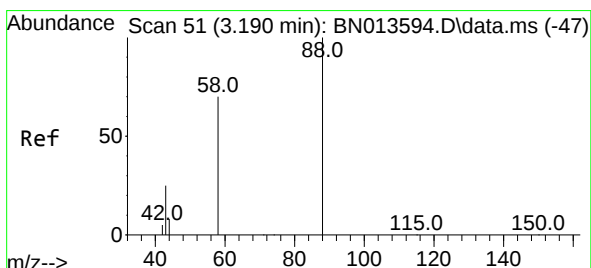
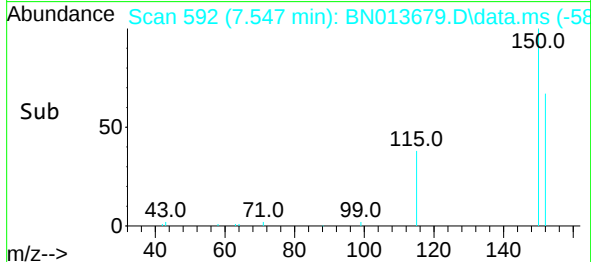
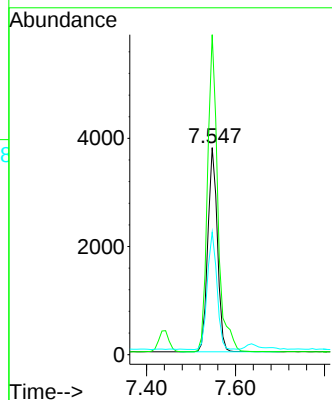
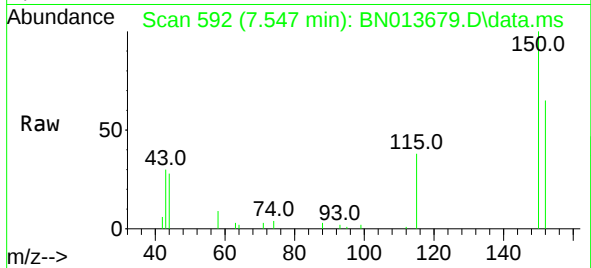




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.547 min Scan# 592
Delta R.T. 0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

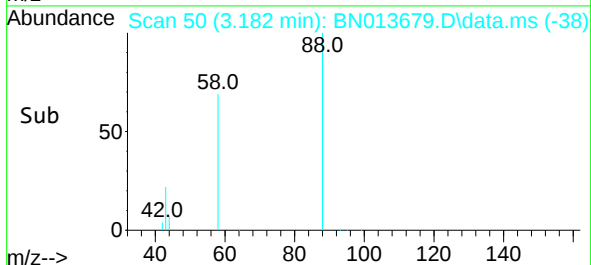
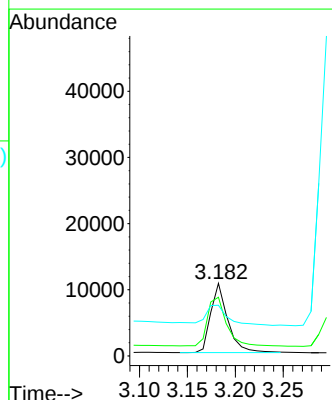
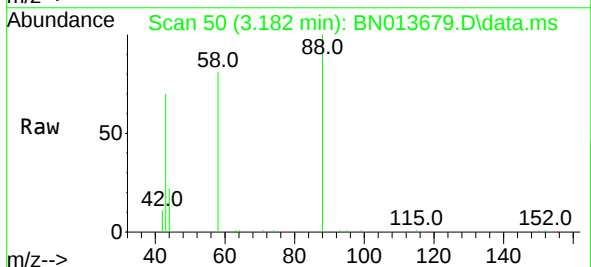
Instrument :
BNA_N
ClientSampleId :

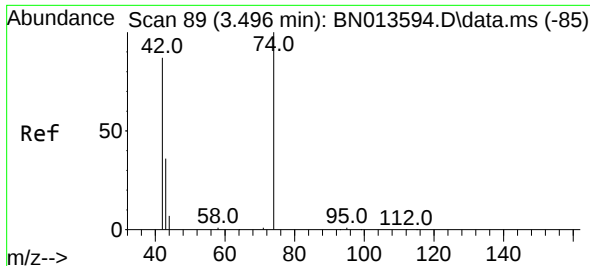
Tgt Ion:152 Resp: 5637
Ion Ratio Lower Upper
152 100
150 154.6 121.8 182.8
115 59.2 46.6 69.8



#2
1,4-Dioxane
Concen: 2.06 ng
RT: 3.182 min Scan# 50
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion: 88 Resp: 13033
Ion Ratio Lower Upper
88 100
58 77.0 64.6 96.8
43 37.6 26.6 40.0

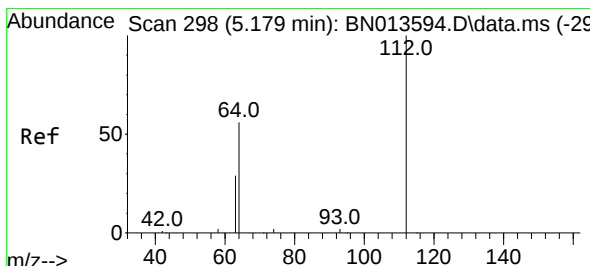
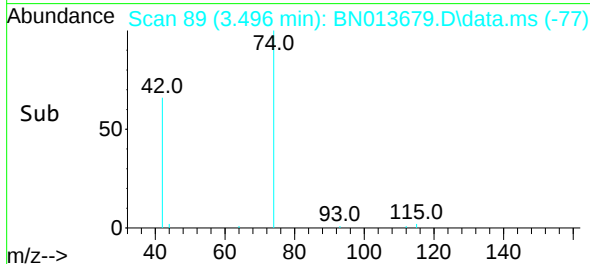
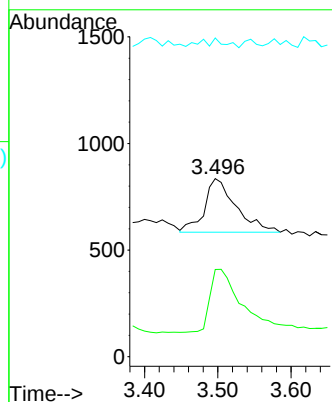
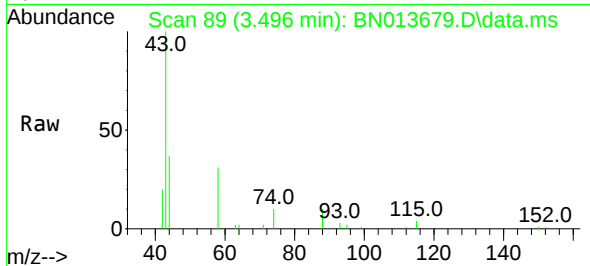




#3
n-Nitrosodimethylamine
Concen: 0.16 ng
RT: 3.496 min Scan# 89
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

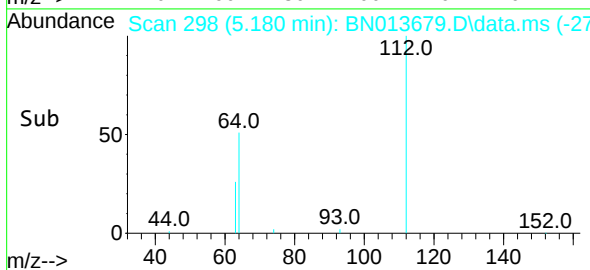
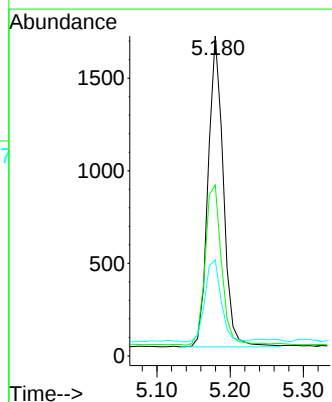
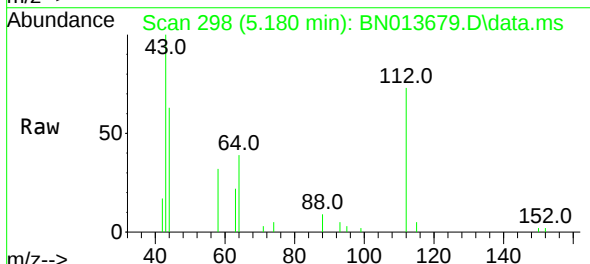
Instrument :
BNA_N
ClientSampleId :

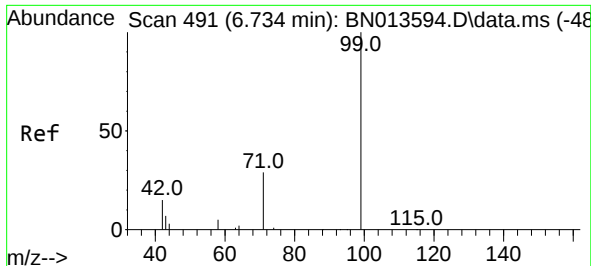
Tgt Ion: 42 Resp: 751
Ion Ratio Lower Upper
42 100
74 121.0 95.0 142.6
44 0.0 5.8 8.8#



#4
2-Fluorophenol
Concen: 0.20 ng
RT: 5.180 min Scan# 298
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion: 112 Resp: 2420
Ion Ratio Lower Upper
112 100
64 56.4 44.3 66.5
63 28.0 23.0 34.6

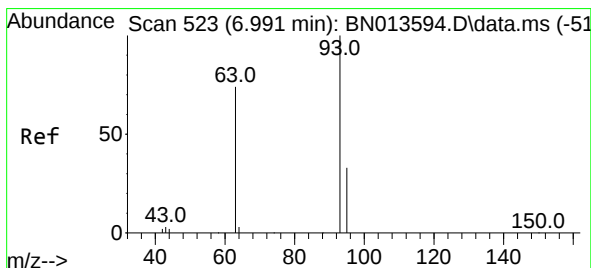
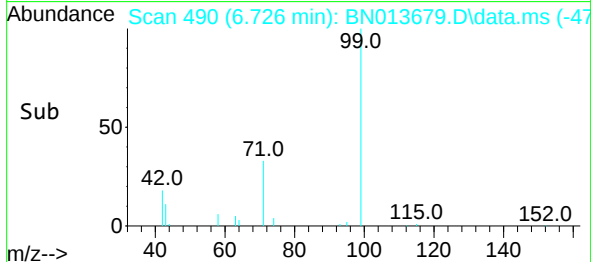
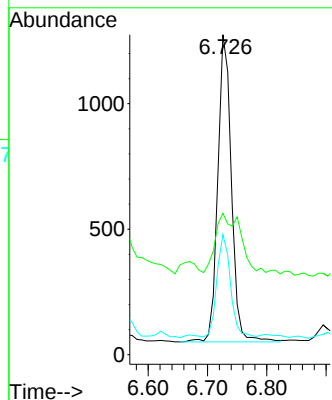
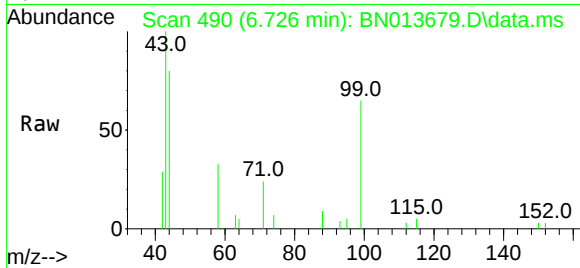




#5
Phenol-d6
Concen: 0.13 ng
RT: 6.726 min Scan# 490
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

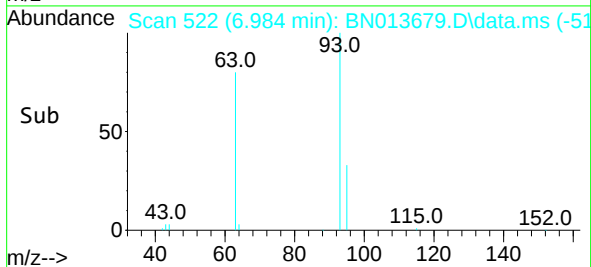
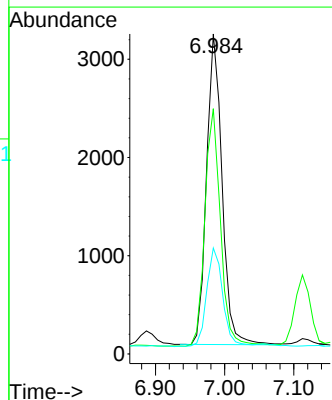
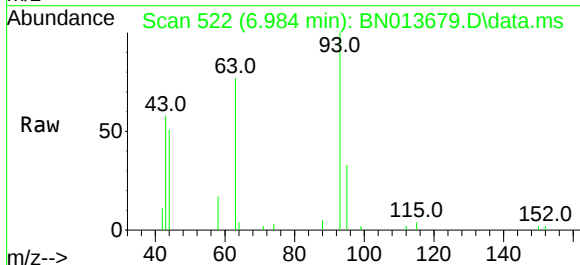
Instrument :
BNA_N
ClientSampleId :

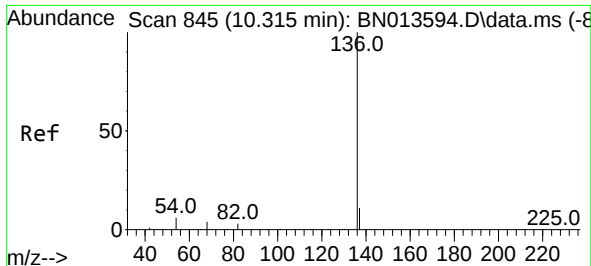
Tgt Ion: 99 Resp: 1958
Ion Ratio Lower Upper
99 100
42 37.0 15.2 22.8#
71 33.6 26.1 39.1



#6
bis(2-Chloroethyl)ether
Concen: 0.36 ng
RT: 6.984 min Scan# 522
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

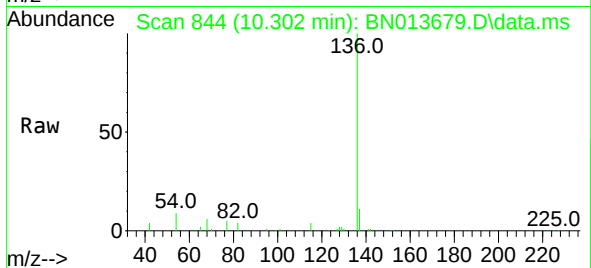
Tgt Ion: 93 Resp: 4920
Ion Ratio Lower Upper
93 100
63 77.3 60.8 91.2
95 33.0 26.0 39.0



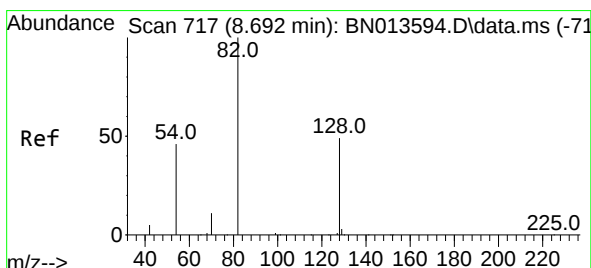
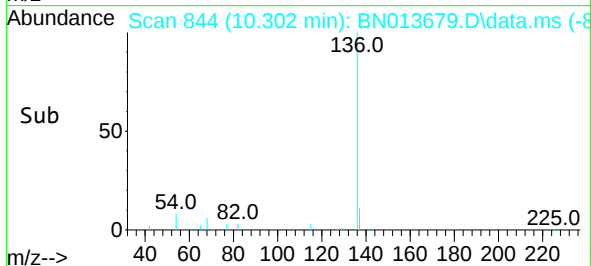
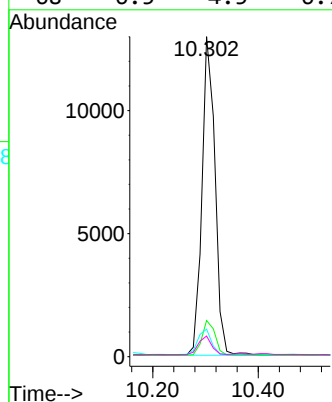


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.302 min Scan# 844
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Instrument :
BNA_N
ClientSampleId :

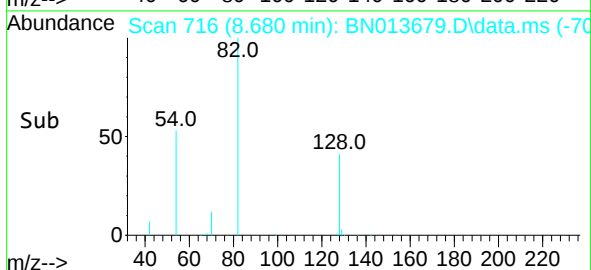
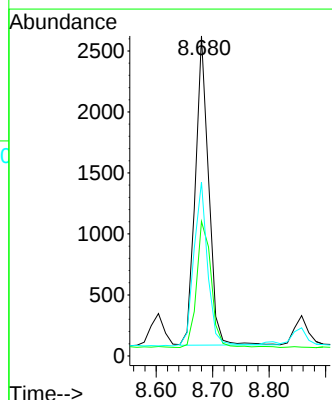
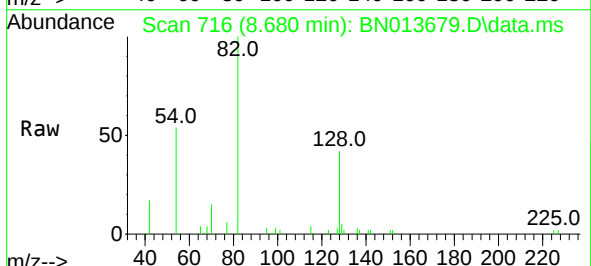


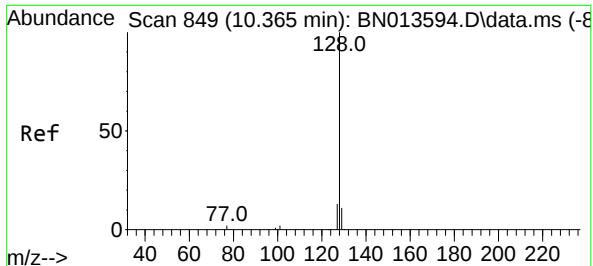
Tgt Ion:	136	Resp:	22334
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	8.6	6.4	9.6
68	6.5	4.5	6.7



#8
Nitrobenzene-d5
Concen: 0.34 ng
RT: 8.680 min Scan# 716
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion:	82	Resp:	4176
Ion Ratio	Lower	Upper	
82	100		
128	42.1	39.2	58.8
54	54.4	40.1	60.1

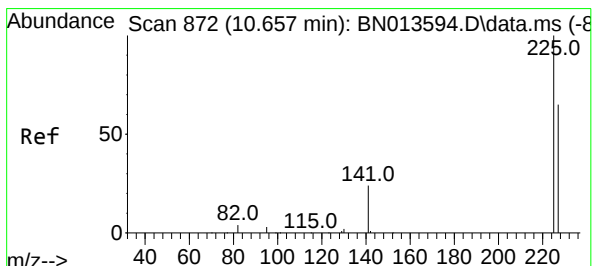
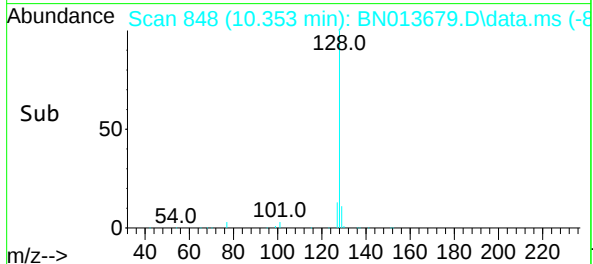
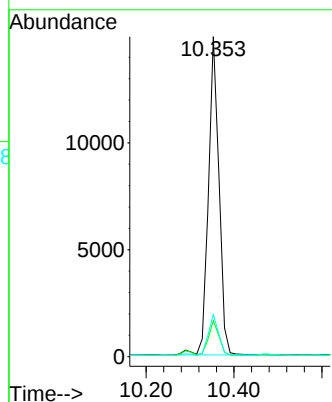
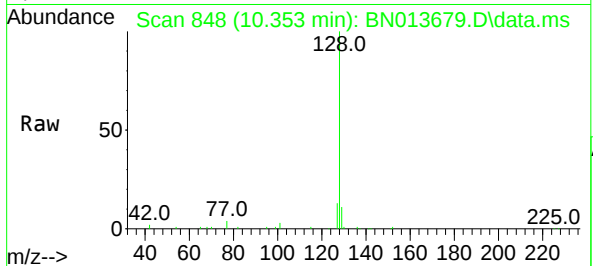




#9
Naphthalene
Concen: 0.45 ng
RT: 10.353 min Scan# 848
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

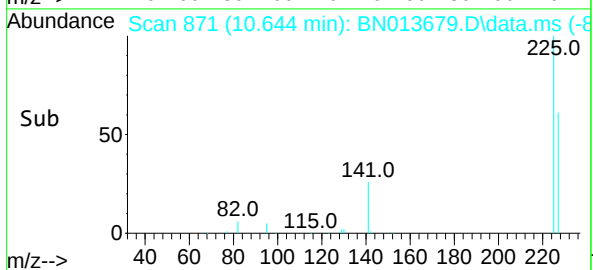
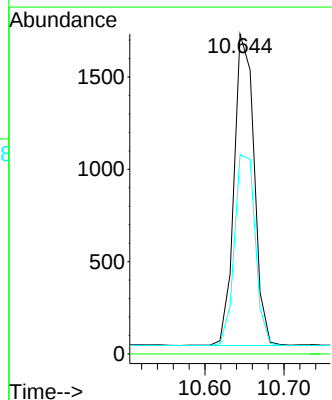
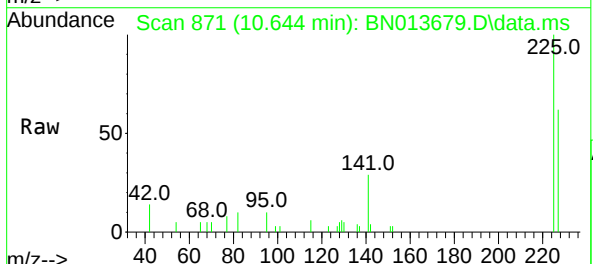
Instrument :
BNA_N
ClientSampleId :

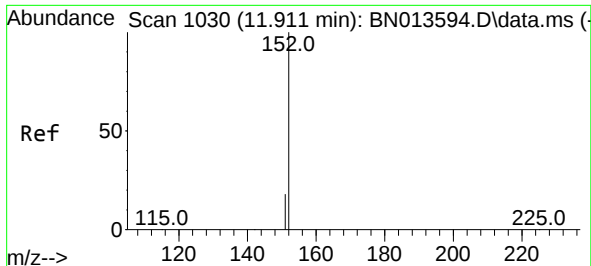
Tgt Ion:128	Resp:	24754
Ion Ratio	Lower	Upper
128	100	
129	11.3	9.0 13.4
127	13.2	10.4 15.6



#10
Hexachlorobutadiene
Concen: 0.33 ng
RT: 10.644 min Scan# 871
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion:225	Resp:	2973
Ion Ratio	Lower	Upper
225	100	
223	0.0	0.0 0.0
227	63.6	51.2 76.8

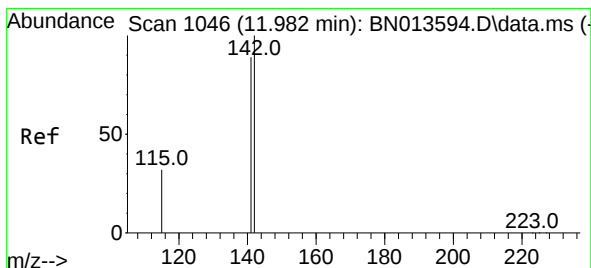
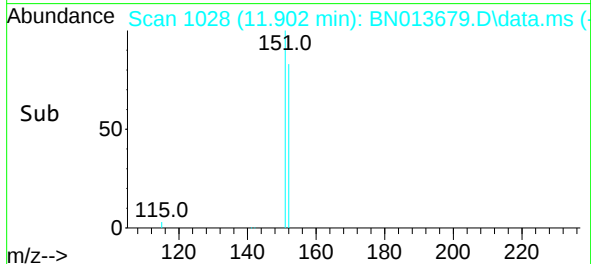
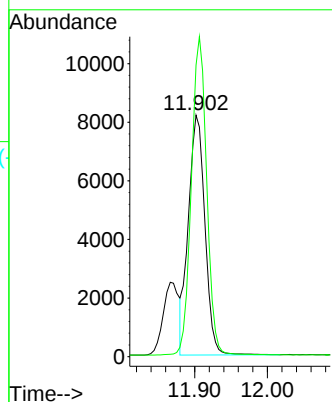
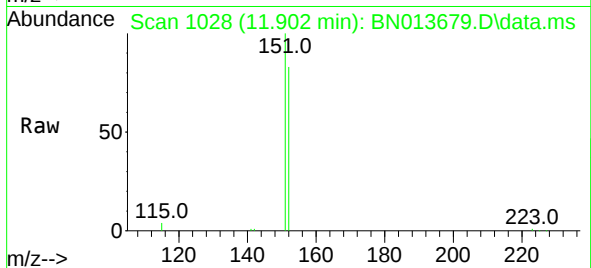




#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 11.902 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

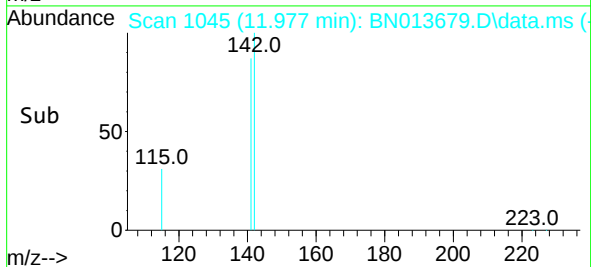
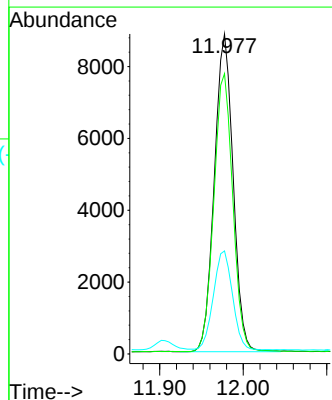
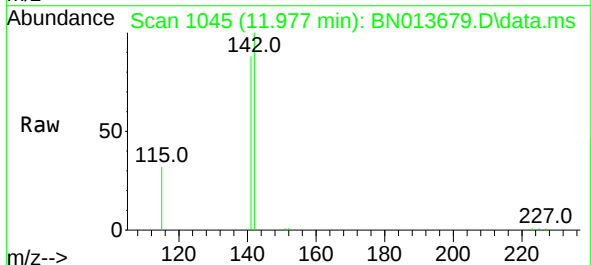
Instrument :
BNA_N
ClientSampleId :

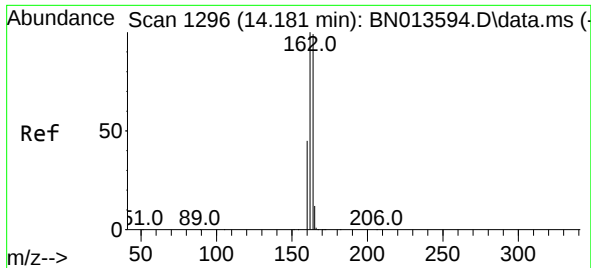
Tgt Ion:152 Resp: 12933
Ion Ratio Lower Upper
152 100
151 123.3 16.2 24.2#



#12
2-Methylnaphthalene
Concen: 0.37 ng
RT: 11.977 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion:142 Resp: 13805
Ion Ratio Lower Upper
142 100
141 87.6 70.5 105.7
115 32.2 27.4 41.0

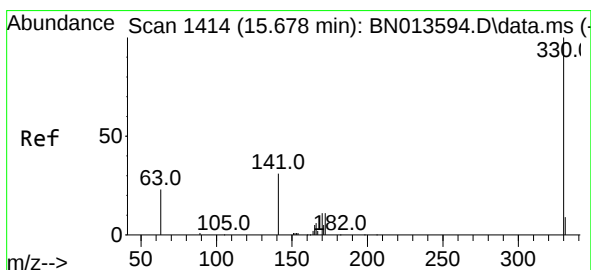
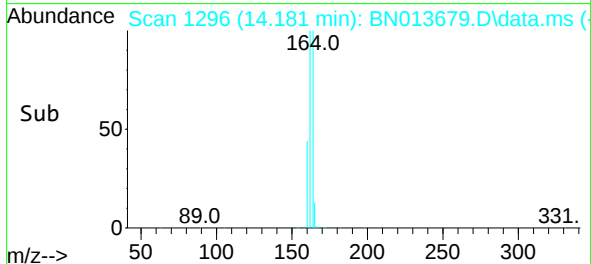
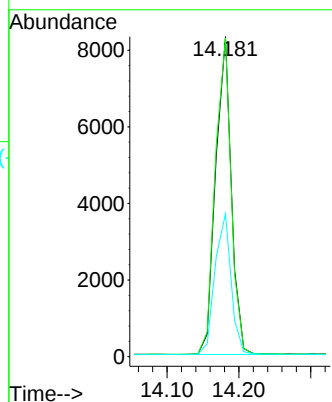
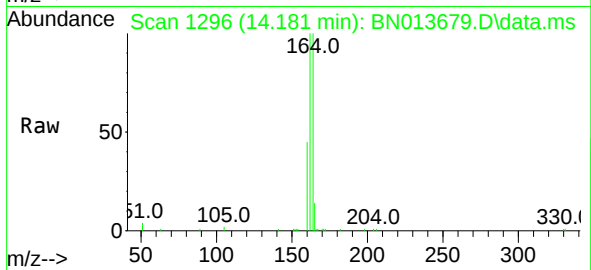




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.181 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

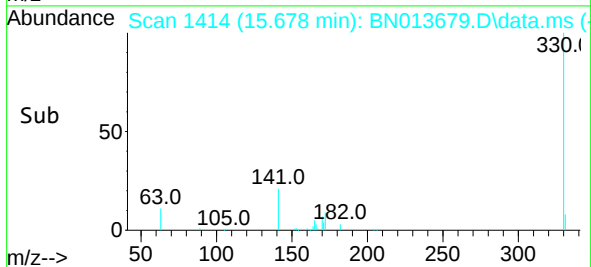
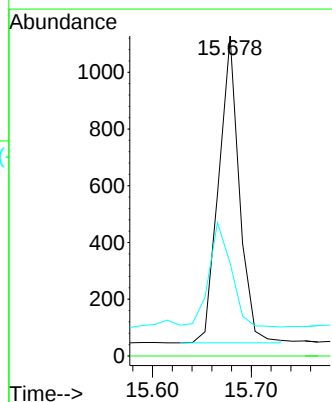
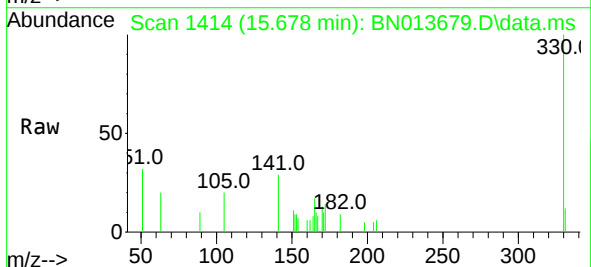
Instrument :
BNA_N
ClientSampleId :

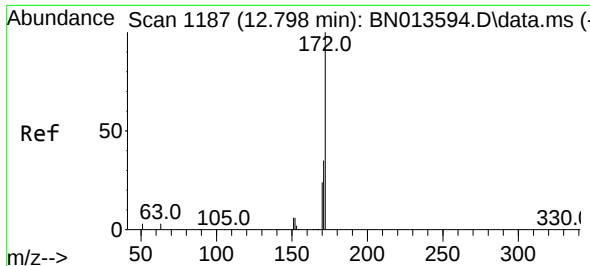
Tgt Ion:164 Resp: 12549
Ion Ratio Lower Upper
164 100
162 99.5 79.6 119.4
160 44.6 36.0 54.0



#14
2,4,6-Tribromophenol
Concen: 0.44 ng
RT: 15.678 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion:330 Resp: 1568
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 38.1 26.8 40.2

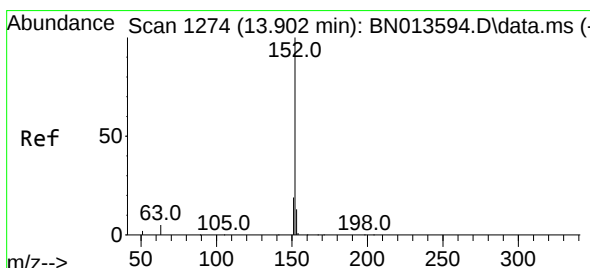
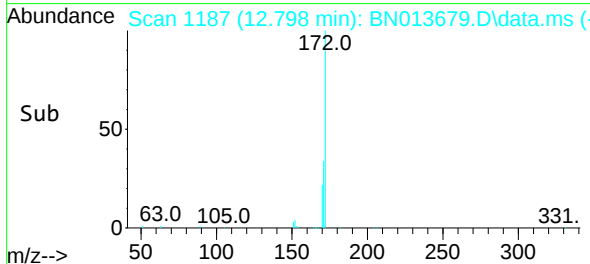
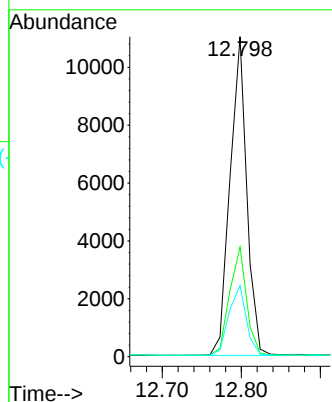
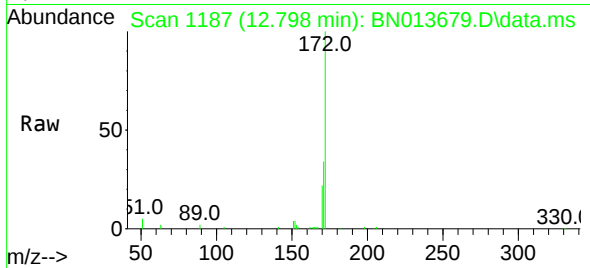




#15
2-Fluorobiphenyl
Concen: 0.34 ng
RT: 12.798 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

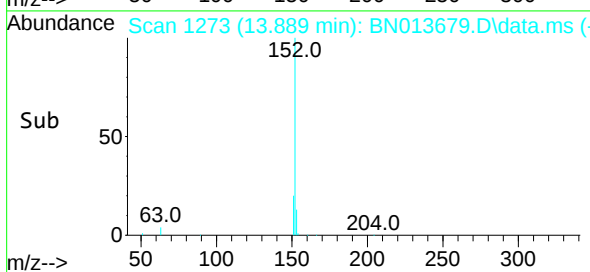
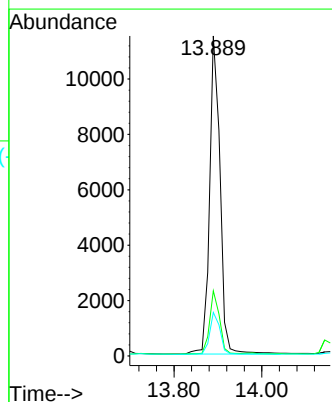
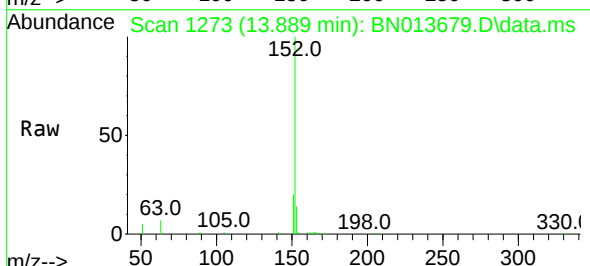
Instrument :
BNA_N
ClientSampleId :

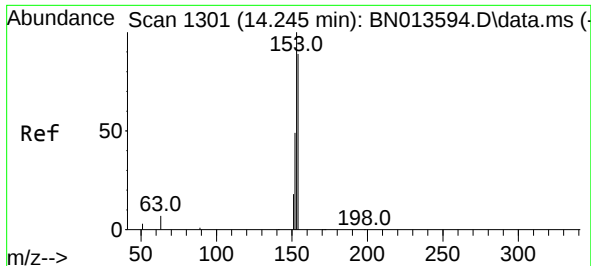
Tgt Ion:	172	Resp:	16223
Ion Ratio	Lower	Upper	
172	100		
171	34.3	28.6	42.8
170	22.2	18.9	28.3



#16
Acenaphthylene
Concen: 0.39 ng
RT: 13.889 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion:	152	Resp:	18873
Ion Ratio	Lower	Upper	
152	100		
151	19.0	15.7	23.5
153	13.1	10.5	15.7

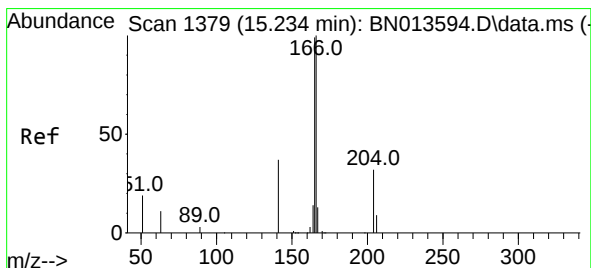
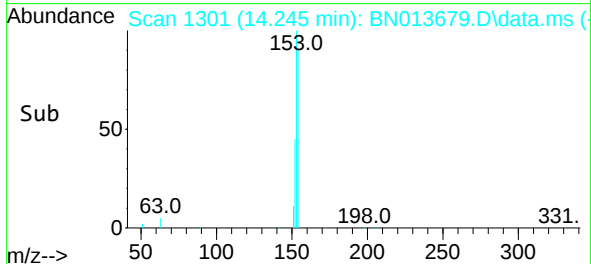
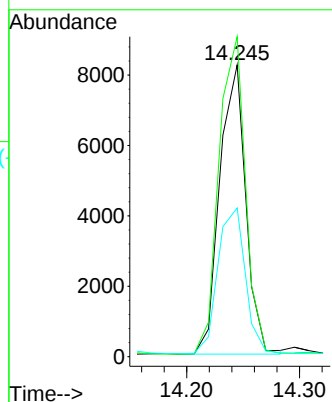
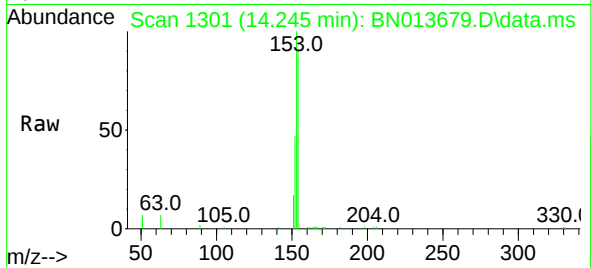




#17
Acenaphthene
Concen: 0.38 ng
RT: 14.245 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

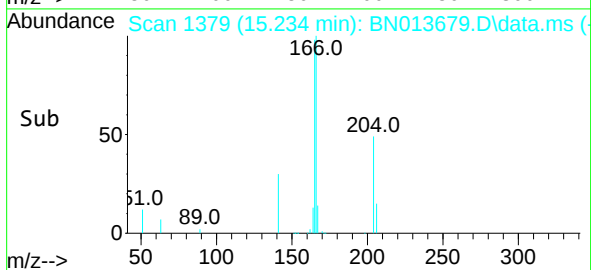
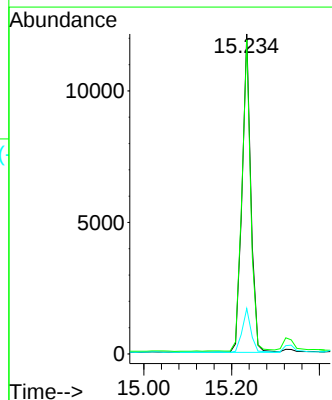
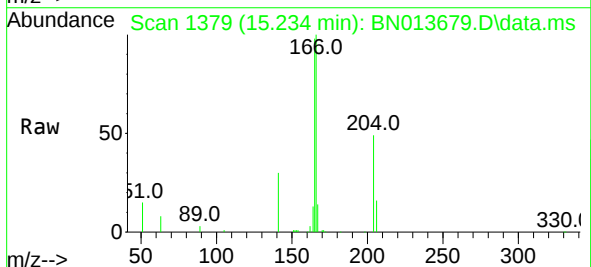
Instrument :
BNA_N
ClientSampleId :

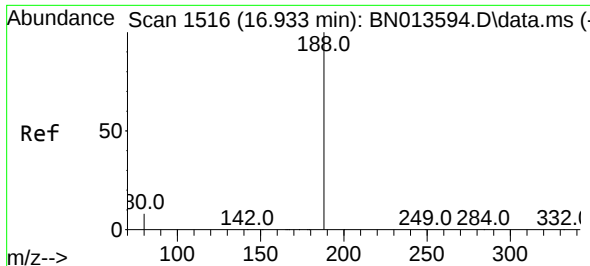
Tgt Ion:154 Resp: 13166
Ion Ratio Lower Upper
154 100
153 112.0 88.4 132.6
152 53.6 43.0 64.4



#18
Fluorene
Concen: 0.39 ng
RT: 15.234 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion:166 Resp: 16699
Ion Ratio Lower Upper
166 100
165 97.4 77.8 116.8
167 13.9 10.6 16.0

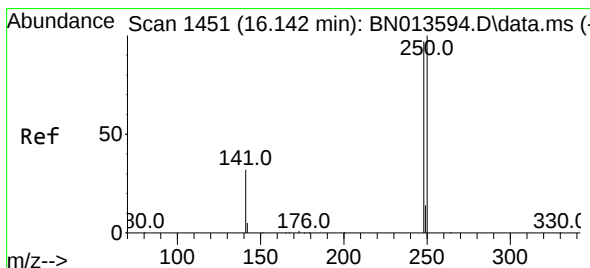
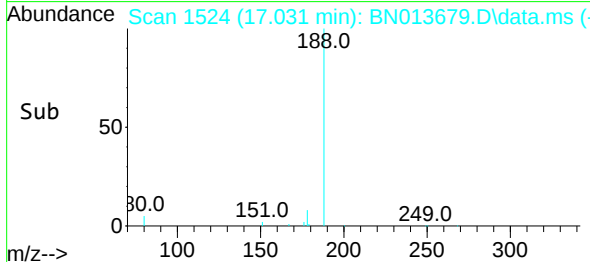
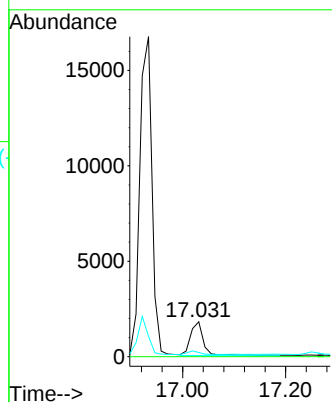
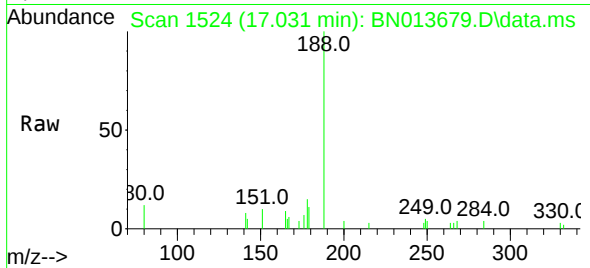




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.031 min Scan# 1524
Delta R.T. 0.098 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

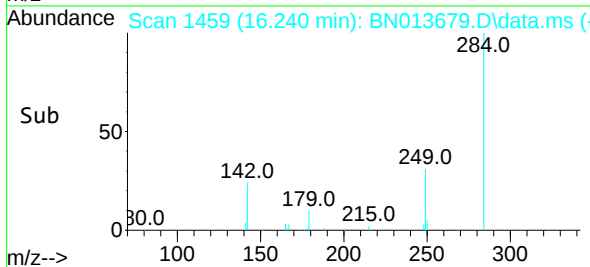
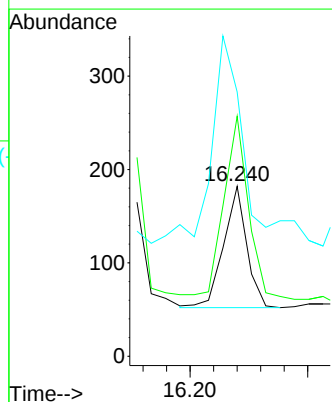
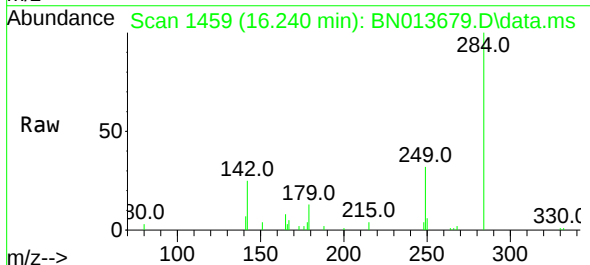
Instrument :
BNA_N
ClientSampleId :

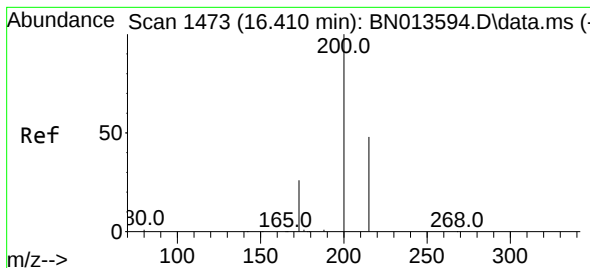
Tgt Ion:188 Resp: 2989
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.9 9.0 13.6



#21
4-Bromophenyl-phenylether
Concen: 0.12 ng
RT: 16.240 min Scan# 1459
Delta R.T. 0.110 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion:248 Resp: 177
Ion Ratio Lower Upper
248 100
250 141.2 75.5 113.3#
141 155.5 53.8 80.8#





#23

Atrazine

Concen: 3.03 ng

RT: 16.410 min Scan# 1473

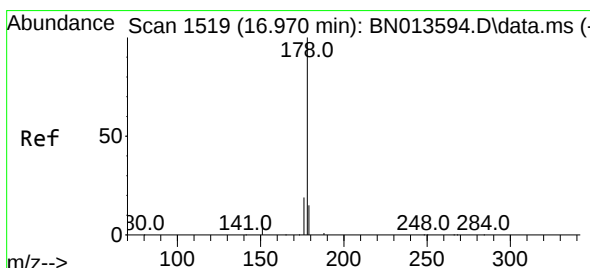
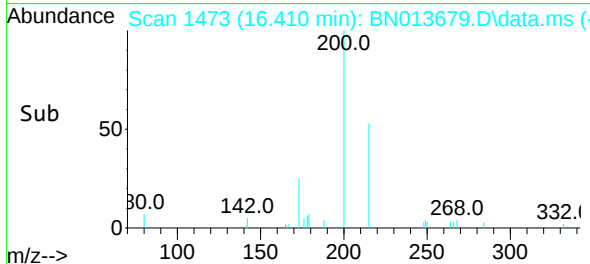
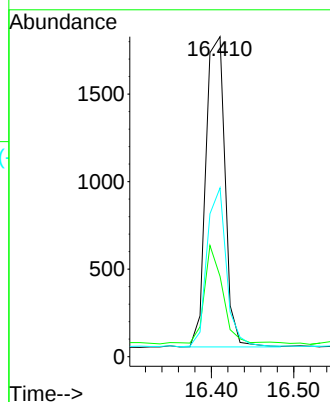
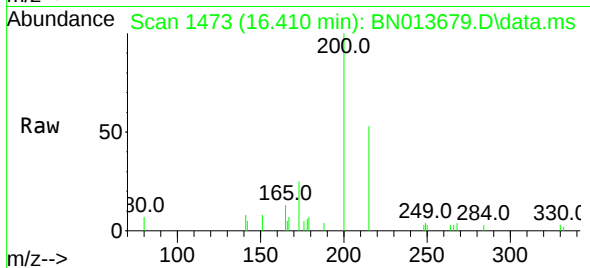
Delta R.T. 0.000 min

Lab File: BN013679.D

Acq: 19 Feb 2021 11:54

Tgt Ion:	200	Resp:	2867
Ion Ratio	Lower	Upper	
200	100		
173	25.1	18.6	28.0
215	52.7	41.0	61.6

Instrument :
BNA_N
ClientSampleId :



#25

Phenanthrene

Concen: 3.17 ng

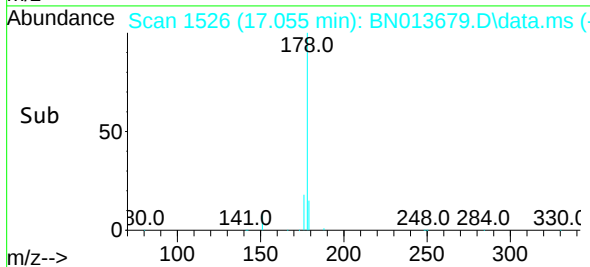
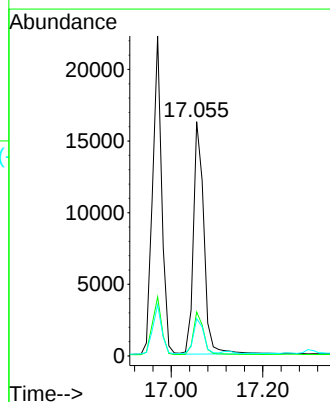
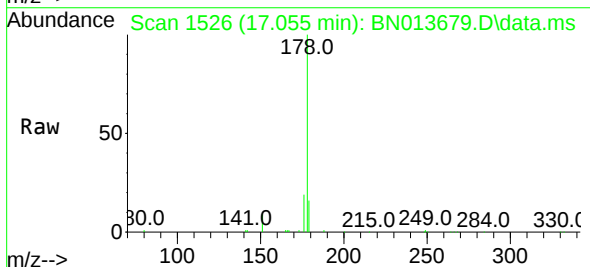
RT: 17.055 min Scan# 1526

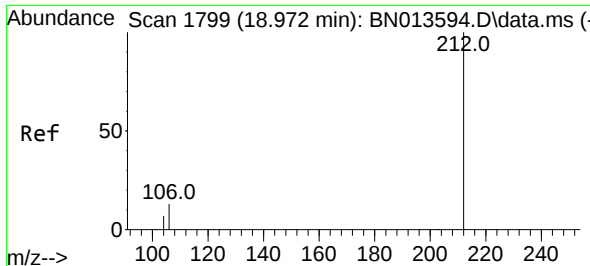
Delta R.T. 0.086 min

Lab File: BN013679.D

Acq: 19 Feb 2021 11:54

Tgt Ion:	178	Resp:	25842
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.0	22.4
179	15.1	12.3	18.5

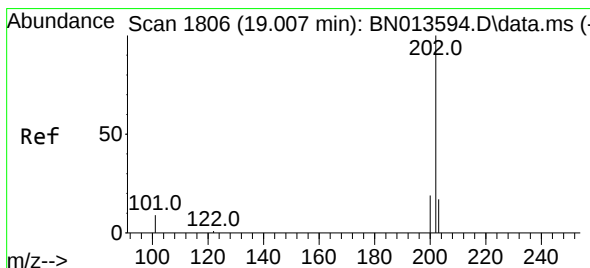
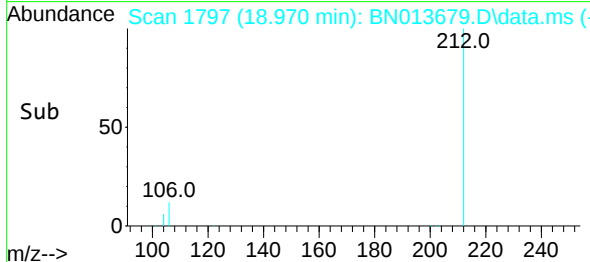
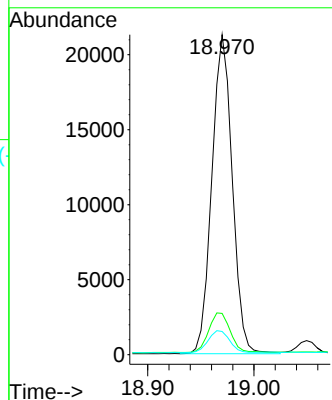
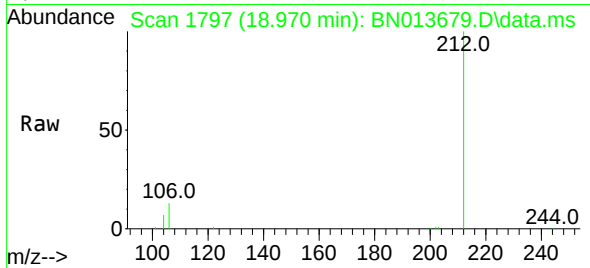




#27
Fluoranthene-d10
Concen: 3.53 ng
RT: 18.970 min Scan# 1797
Delta R.T. -0.002 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

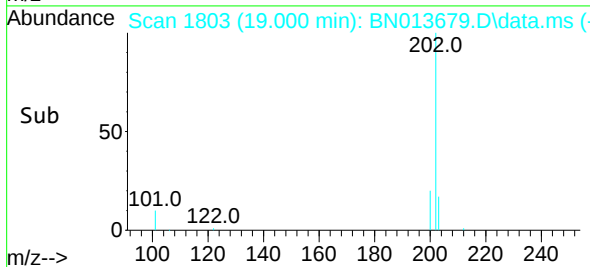
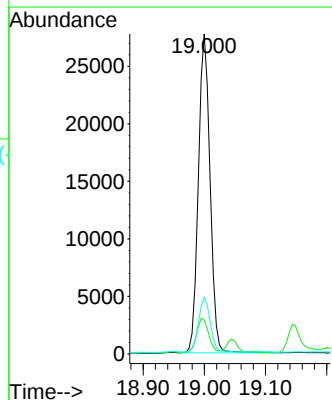
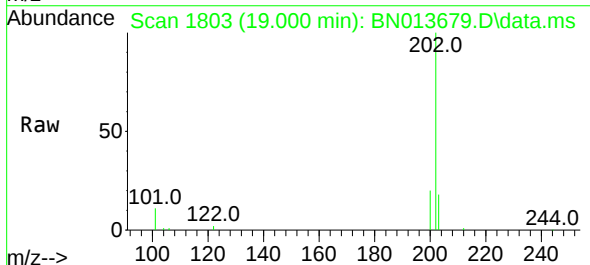
Instrument :
BNA_N
ClientSampleId :

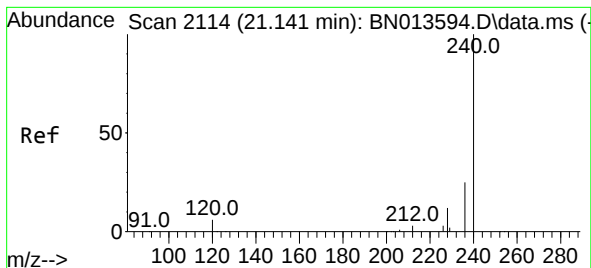
Tgt Ion:212 Resp: 28369
Ion Ratio Lower Upper
212 100
106 13.1 9.7 14.5
104 7.3 5.5 8.3



#28
Fluoranthene
Concen: 4.10 ng
RT: 19.000 min Scan# 1803
Delta R.T. -0.002 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion:202 Resp: 36590
Ion Ratio Lower Upper
202 100
101 10.9 8.1 12.1
203 17.3 13.9 20.9





#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.133 min Scan# 2112

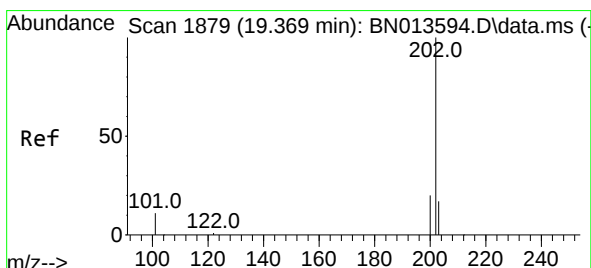
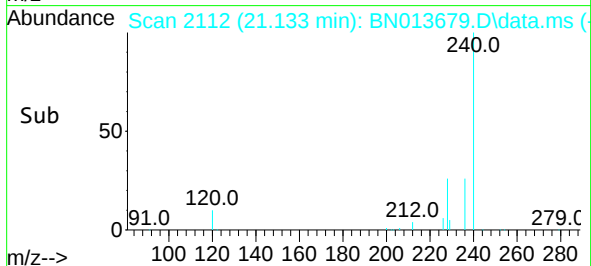
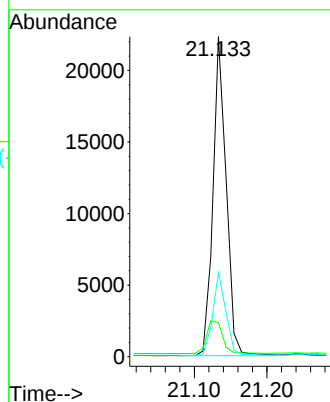
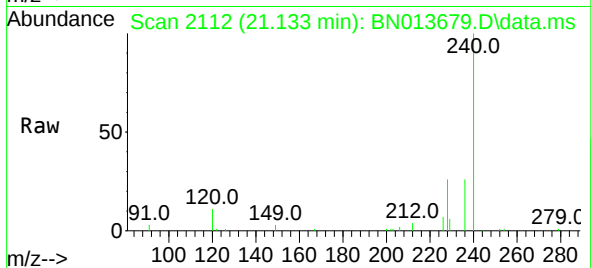
Delta R.T. 0.003 min

Lab File: BN013679.D

Acq: 19 Feb 2021 11:54

Tgt Ion:240	Resp:	28171
Ion Ratio	Lower	Upper
240	100	
120	10.6	10.2 15.4
236	26.3	21.3 31.9

Instrument :
BNA_N
ClientSampleId :



#30

Pyrene

Concen: 0.45 ng

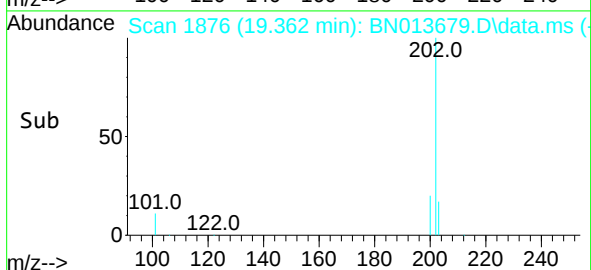
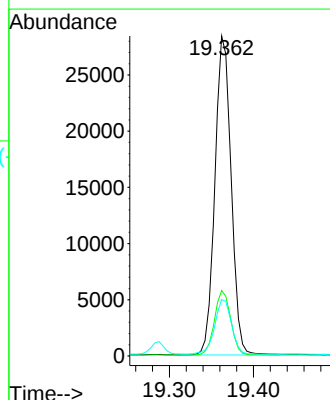
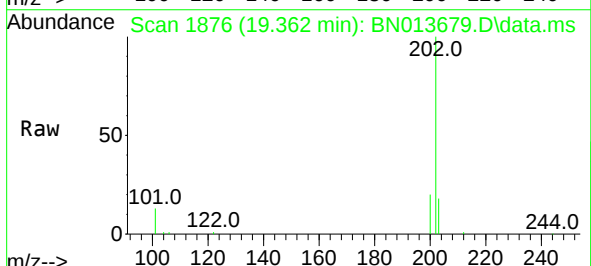
RT: 19.362 min Scan# 1876

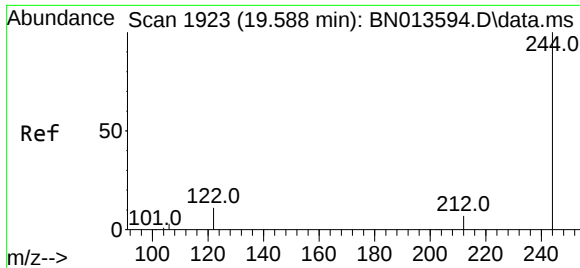
Delta R.T. -0.002 min

Lab File: BN013679.D

Acq: 19 Feb 2021 11:54

Tgt Ion:202	Resp:	38047
Ion Ratio	Lower	Upper
202	100	
200	20.2	16.3 24.5
203	17.9	14.0 21.0

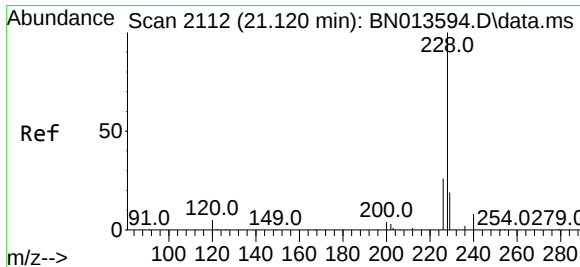
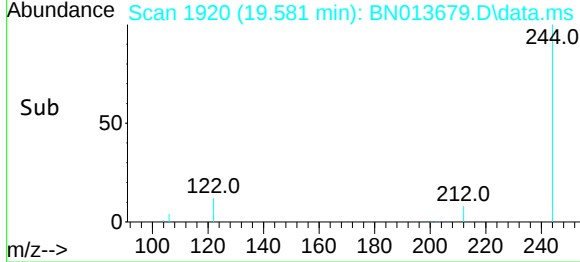
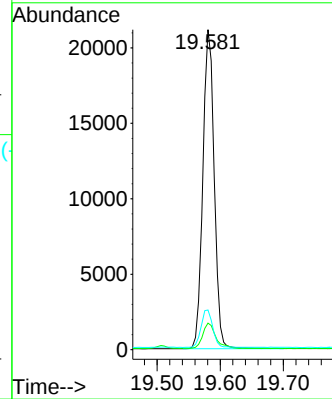
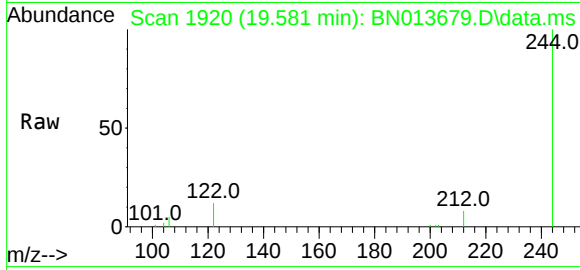




#31
Terphenyl-d14
Concen: 0.42 ng
RT: 19.581 min Scan# 1920
Delta R.T. -0.002 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

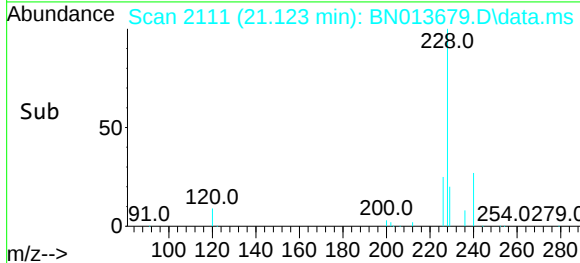
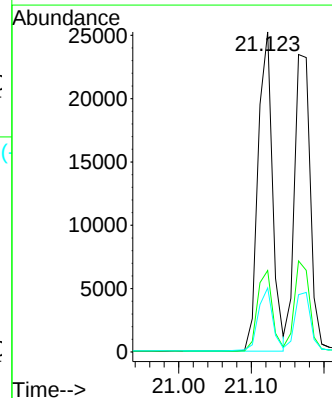
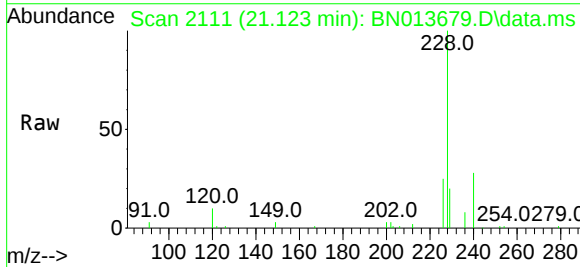
Instrument :
BNA_N
ClientSampleId :

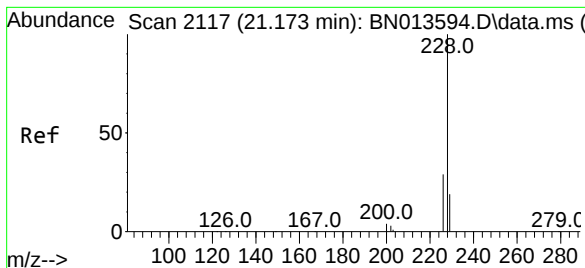
Tgt Ion:244 Resp: 26433
Ion Ratio Lower Upper
244 100
212 8.3 6.1 9.1
122 12.4 9.8 14.8



#32
Benzo(a)anthracene
Concen: 0.46 ng
RT: 21.123 min Scan# 2111
Delta R.T. 0.003 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion:228 Resp: 34592
Ion Ratio Lower Upper
228 100
226 25.4 20.5 30.7
229 20.0 16.2 24.4





#33

Chrysene

Concen: 0.41 ng

RT: 21.165 min Scan# 2115

Delta R.T. -0.008 min

Lab File: BN013679.D

Acq: 19 Feb 2021 11:54

Tgt Ion:228 Resp: 35351

Ion Ratio Lower Upper

228 100

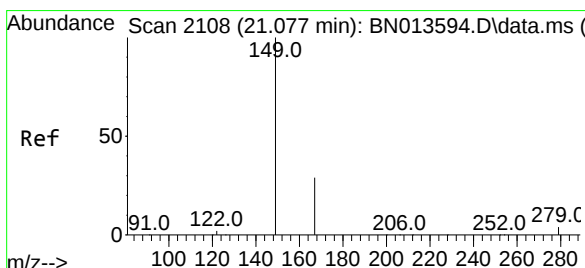
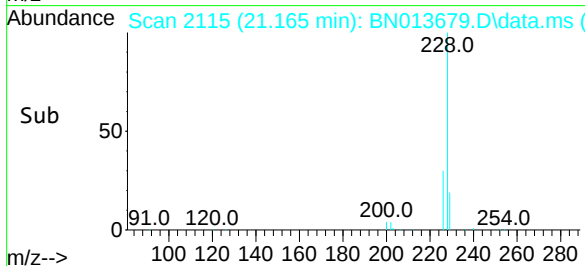
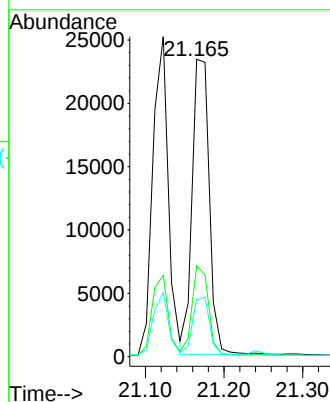
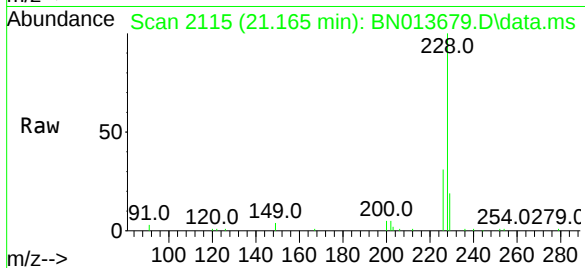
226 30.6 24.3 36.5

229 19.3 15.1 22.7

Instrument :

BNA_N

ClientSampleId :



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.00 ng

RT: 21.070 min Scan# 2106

Delta R.T. 0.003 min

Lab File: BN013679.D

Acq: 19 Feb 2021 11:54

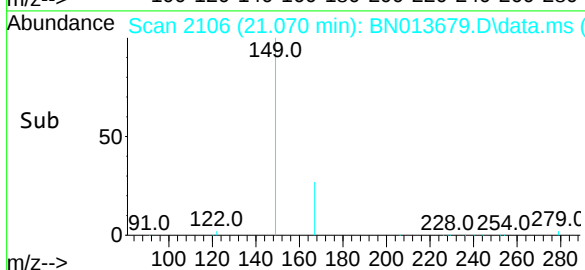
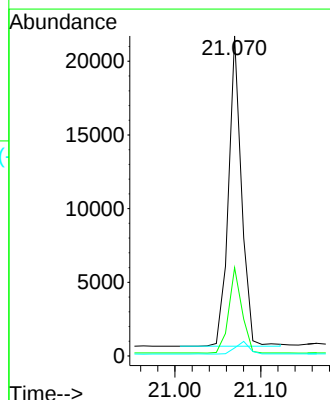
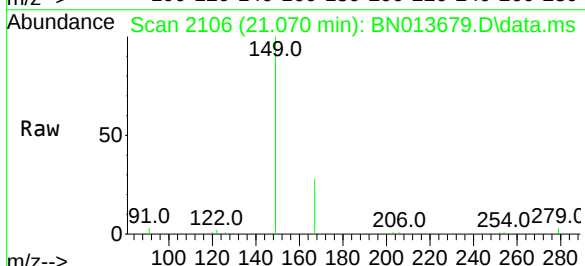
Tgt Ion:149 Resp: 22226

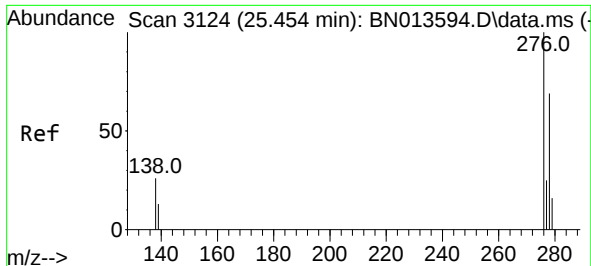
Ion Ratio Lower Upper

149 100

167 27.4 22.1 33.1

279 4.4 3.5 5.3

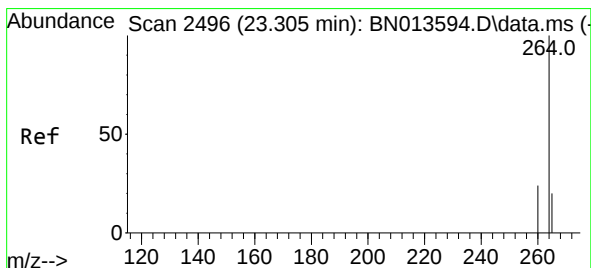
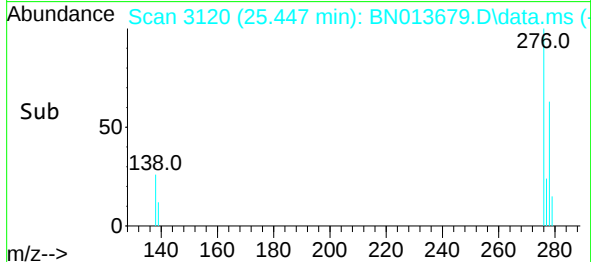
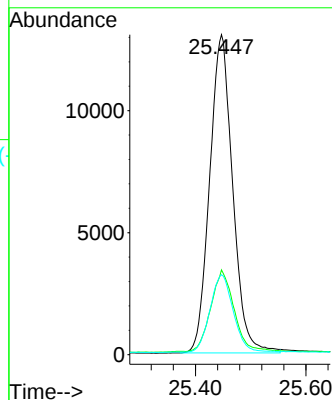
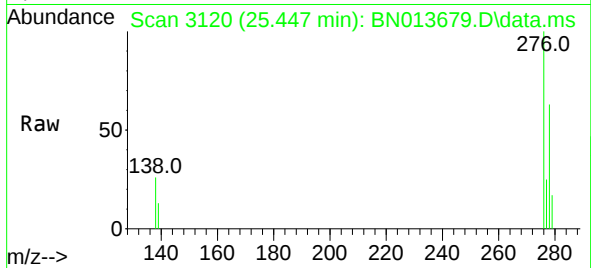




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.42 ng
RT: 25.447 min Scan# 3120
Delta R.T. 0.003 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

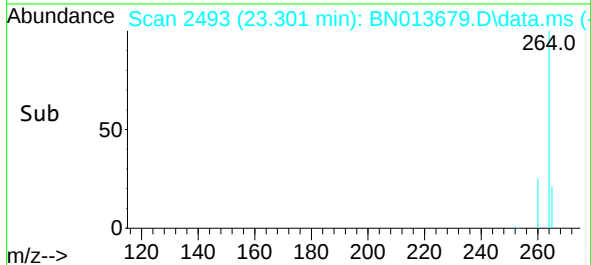
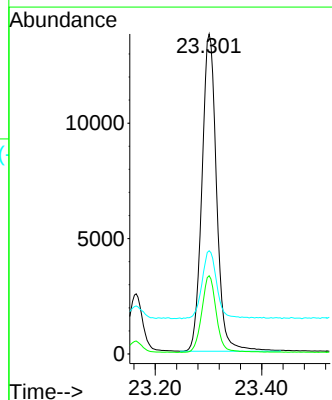
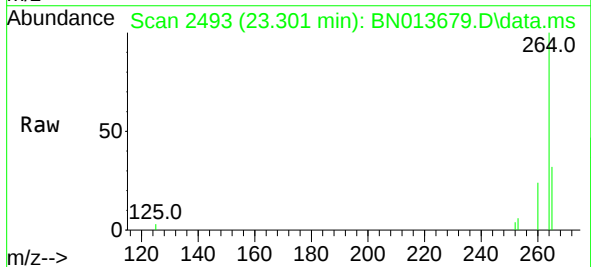
Instrument :
BNA_N
ClientSampleId :

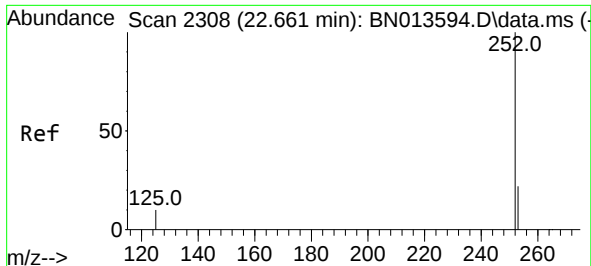
Tgt Ion:276 Resp: 37771
Ion Ratio Lower Upper
276 100
138 25.7 19.8 29.6
277 24.4 19.9 29.9



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.301 min Scan# 2493
Delta R.T. -0.001 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Tgt Ion:264 Resp: 26298
Ion Ratio Lower Upper
264 100
260 24.5 19.3 28.9
265 32.2 66.2 99.4#

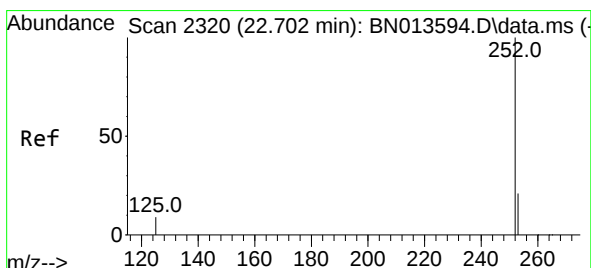
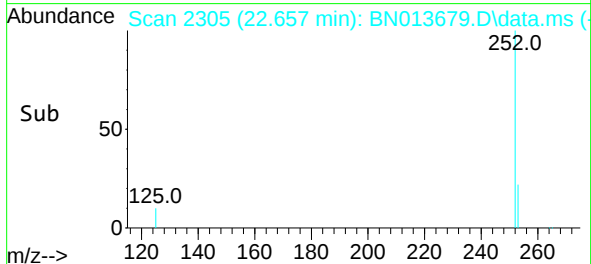
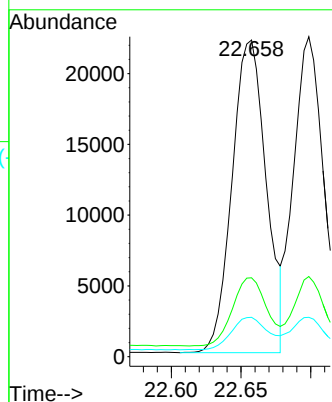
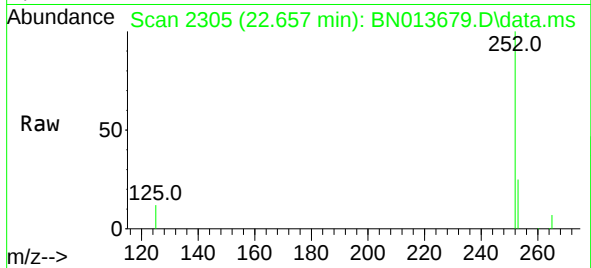




#37
Benzo(b)fluoranthene
Concen: 0.41 ng
RT: 22.657 min Scan# 2305
Delta R.T. -0.001 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

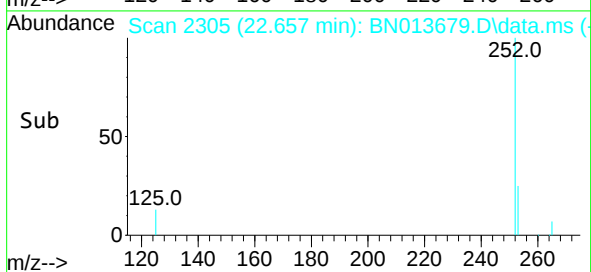
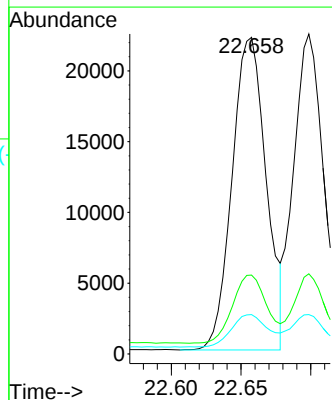
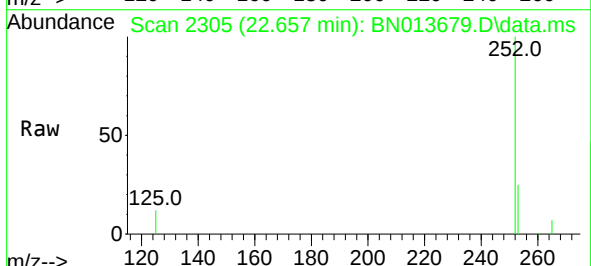
Instrument :
BNA_N
ClientSampleId :

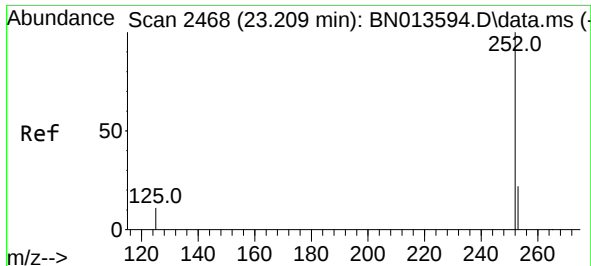
Tgt Ion:252 Resp: 37598
Ion Ratio Lower Upper
252 100
253 24.9 20.4 30.6
125 12.4 11.6 17.4



#38
Benzo(k)fluoranthene
Concen: 0.41 ng
RT: 22.657 min Scan# 2305
Delta R.T. -0.042 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

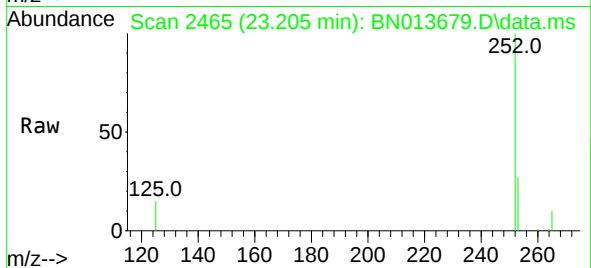
Tgt Ion:252 Resp: 37598
Ion Ratio Lower Upper
252 100
253 24.9 20.5 30.7
125 12.4 12.3 18.5



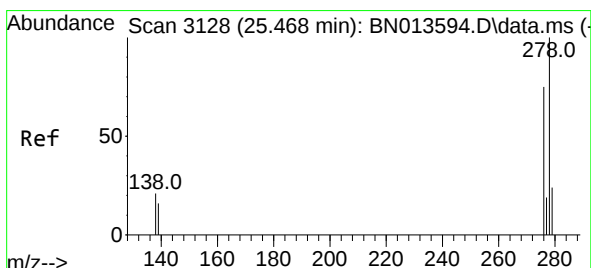
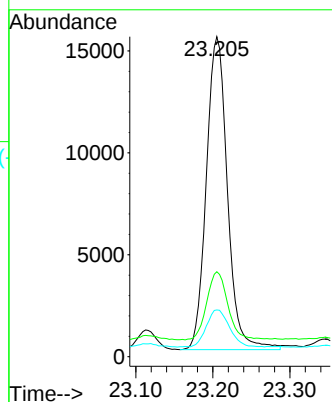
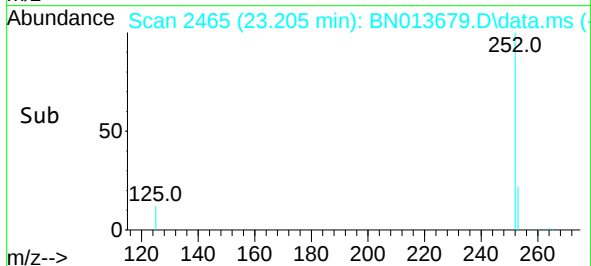


#39
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.205 min Scan# 2465
Delta R.T. -0.001 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

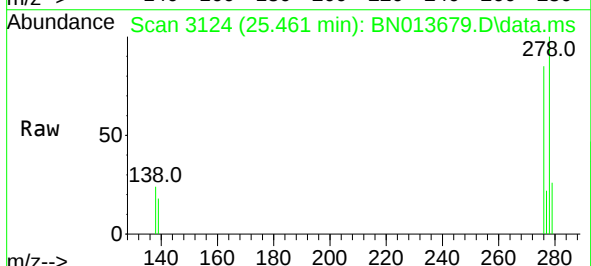
Instrument :
BNA_N
ClientSampleId :



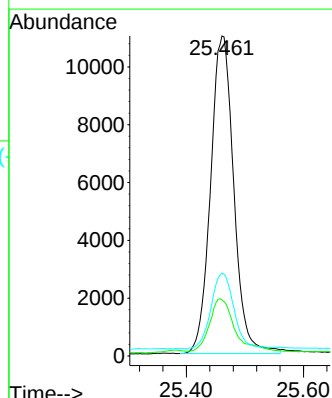
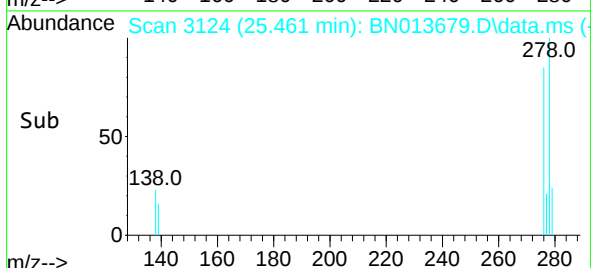
Tgt Ion:252 Resp: 29230
Ion Ratio Lower Upper
252 100
253 26.5 21.8 32.6
125 14.6 14.6 21.8

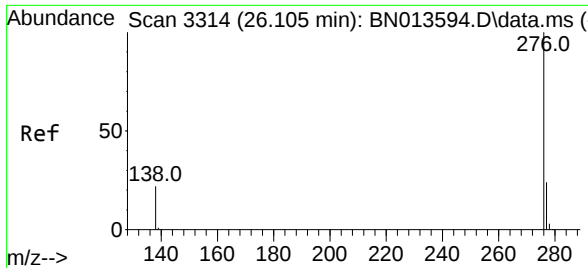


#40
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 25.461 min Scan# 3124
Delta R.T. 0.003 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54



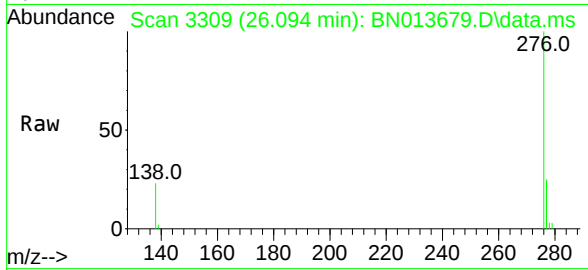
Tgt Ion:278 Resp: 30229
Ion Ratio Lower Upper
278 100
139 17.5 13.1 19.7
279 25.9 21.4 32.0





#41
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 26.094 min Scan# 3309
Delta R.T. -0.004 min
Lab File: BN013679.D
Acq: 19 Feb 2021 11:54

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:276 Resp: 33464
Ion Ratio Lower Upper
276 100
277 24.5 20.0 30.0
138 23.0 17.8 26.8

