

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021921\
 Data File : BN013678.D
 Acq On : 19 Feb 2021 11:19
 Operator : CG/JU
 Sample : M1448-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 19 12:08:18 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)

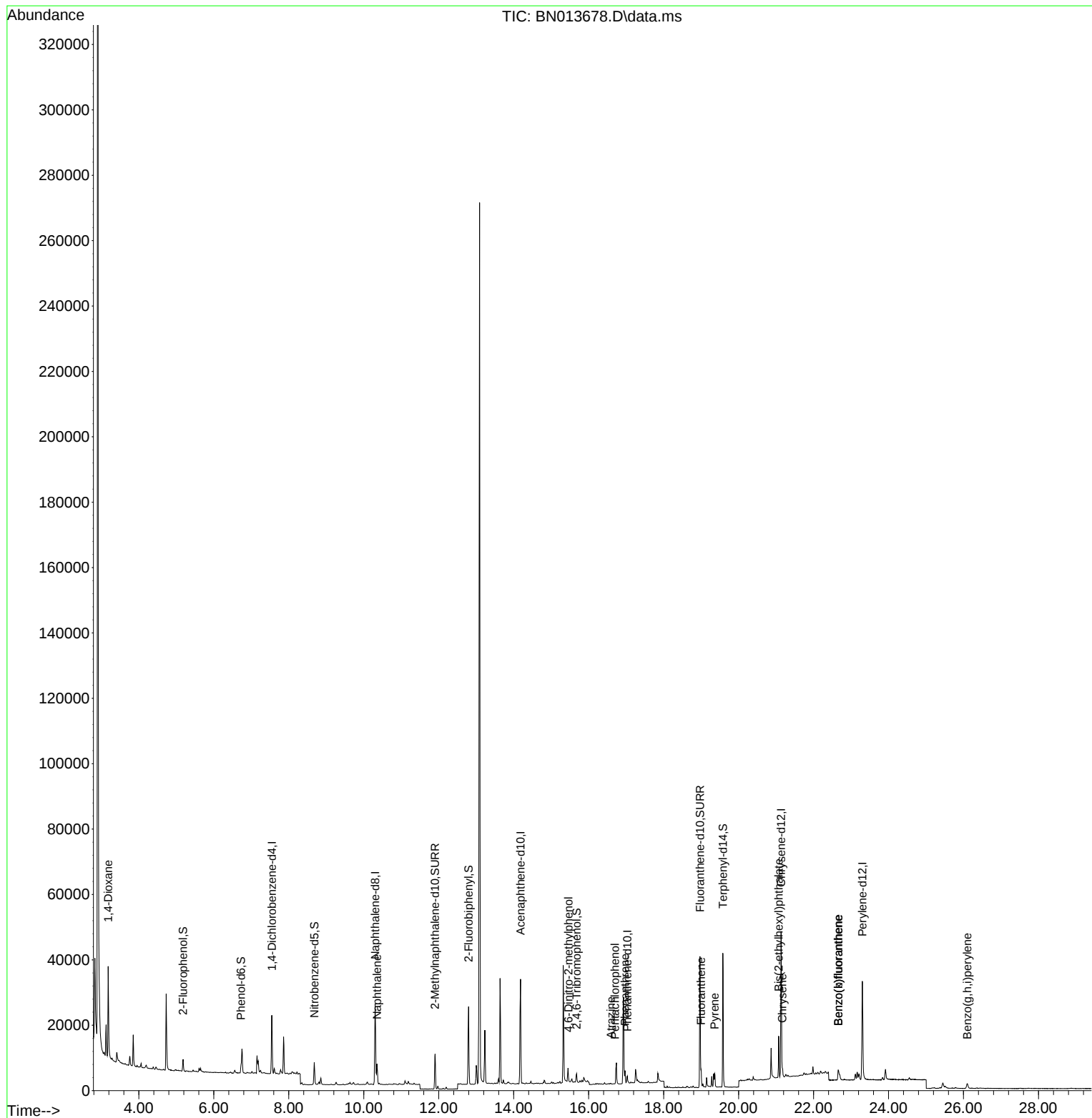
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.547	152	8280	0.40	ng	0.00
7) Naphthalene-d8	10.302	136	33009	0.40	ng	0.00
13) Acenaphthene-d10	14.181	164	18764	0.40	ng	0.00
19) Phenanthrene-d10	17.031	188	3184	0.40	ng	0.10
29) Chrysene-d12	21.133	240	41877	0.40	ng	0.00
36) Perylene-d12	23.301	264	39311	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.180	112	2920	0.16	ng	0.00
5) Phenol-d6	6.726	99	2210	0.10	ng	0.00
8) Nitrobenzene-d5	8.680	82	5437	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	11.902	152	14365	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.678	330	2103	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.798	172	21302	0.30	ng	0.00
27) Fluoranthene-d10	18.970	212	43845	5.11	ng	0.00
31) Terphenyl-d14	19.581	244	40202	0.43	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.182	88	16680	1.80	ng	98
9) Naphthalene	10.353	128	7759	0.10	ng	98
20) 4,6-Dinitro-2-methylph...	15.463	198	4	0.16	ng	# 1
23) Atrazine	16.593	200	57	0.06	ng	# 29
24) Pentachlorophenol	16.702	266	9	0.22	ng	# 17
25) Phenanthrene	16.970	178	3982	0.46	ng	96
28) Fluoranthene	19.000	202	4260	0.45	ng	97
30) Pyrene	19.362	202	3680	0.03	ng	# 95
33) Chrysene	21.165	228	2766	0.02	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.069	149	10745	0.33	ng	99
37) Benzo(b)fluoranthene	22.657	252	4826	0.04	ng	# 55
38) Benzo(k)fluoranthene	22.657	252	4826	0.04	ng	# 56
41) Benzo(g,h,i)perylene	26.101	276	2923	0.02	ng	# 87

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

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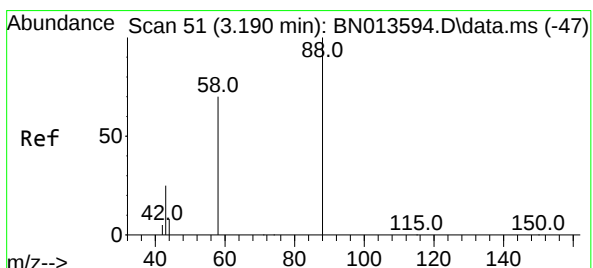
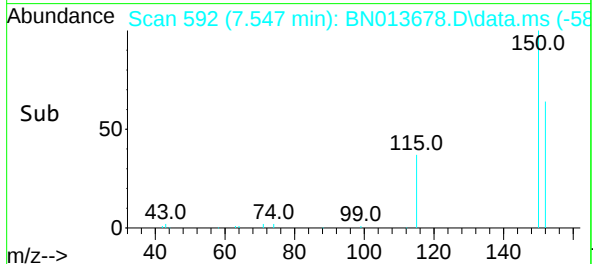
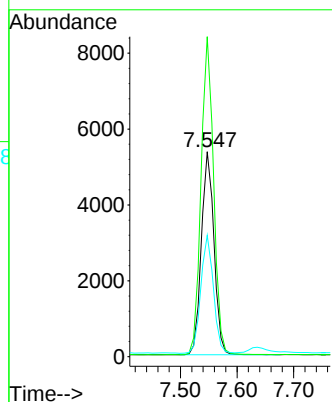
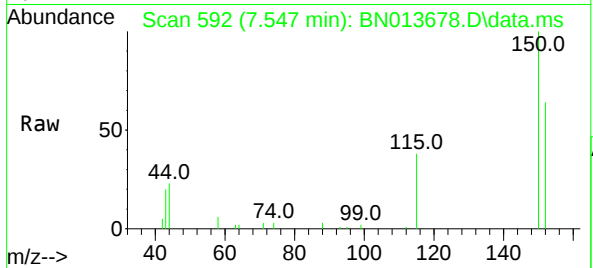




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.547 min Scan# 592
Delta R.T. 0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

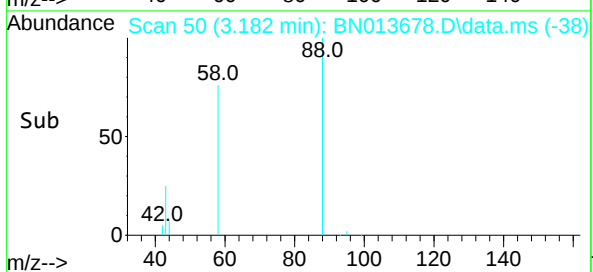
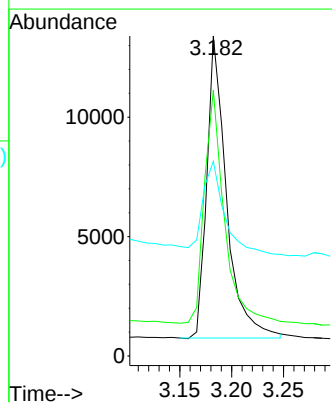
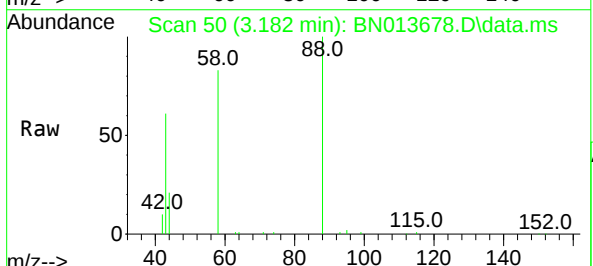
Instrument :
BNA_N
ClientSampled :

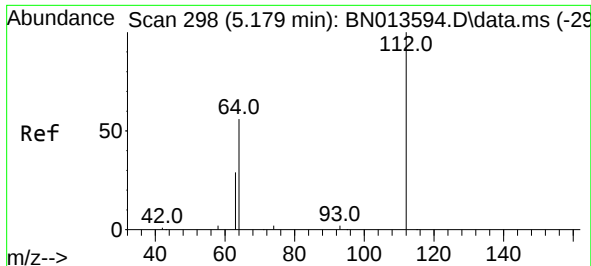
Tgt Ion:152 Resp: 8280
Ion Ratio Lower Upper
152 100
150 156.1 121.8 182.8
115 59.2 46.6 69.8



#2
1,4-Dioxane
Concen: 1.80 ng
RT: 3.182 min Scan# 50
Delta R.T. -0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Tgt Ion: 88 Resp: 16680
Ion Ratio Lower Upper
88 100
58 77.7 64.6 96.8
43 33.5 26.6 40.0

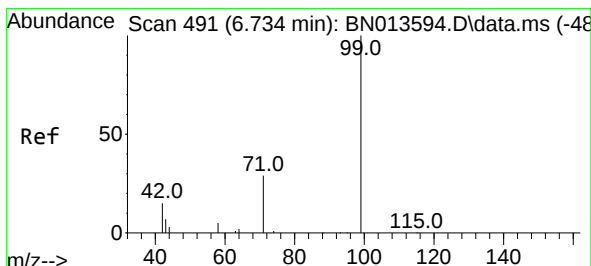
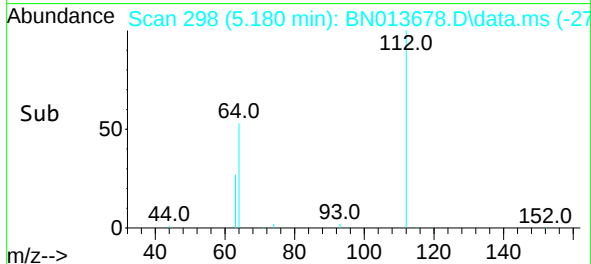
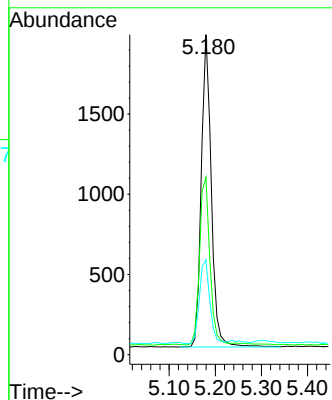
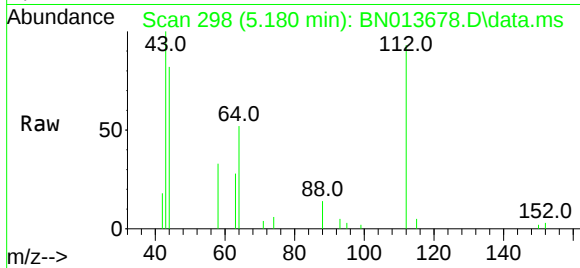




#4
2-Fluorophenol
Concen: 0.16 ng
RT: 5.180 min Scan# 298
Delta R.T. -0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

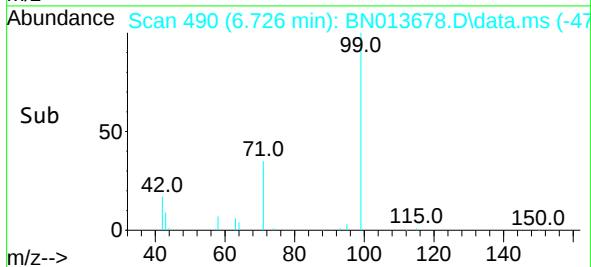
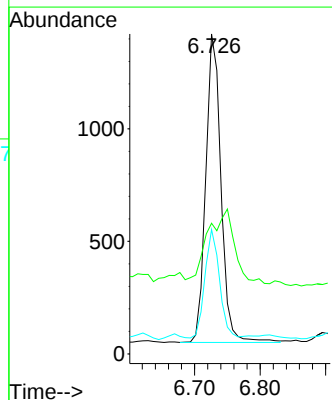
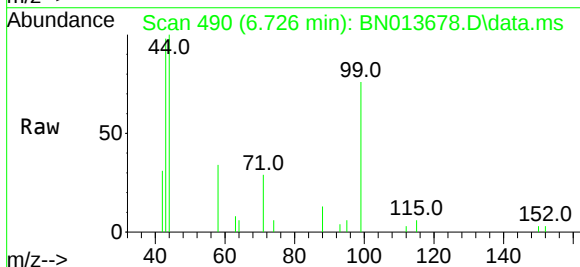
Instrument :
BNA_N
ClientSampleId :

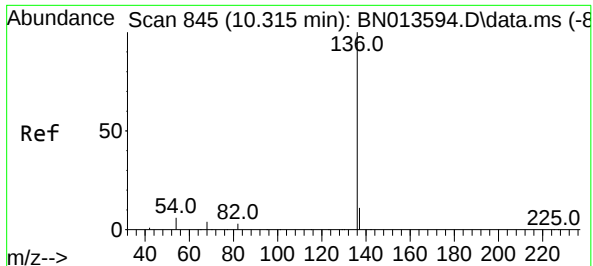
Tgt Ion:112 Resp: 2920
Ion Ratio Lower Upper
112 100
64 56.7 44.3 66.5
63 27.9 23.0 34.6



#5
Phenol-d6
Concen: 0.10 ng
RT: 6.726 min Scan# 490
Delta R.T. -0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

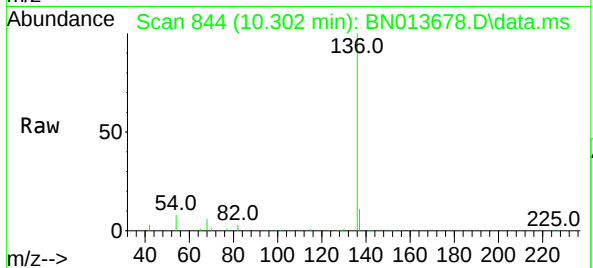
Tgt Ion: 99 Resp: 2210
Ion Ratio Lower Upper
99 100
42 0.0 15.2 22.8#
71 34.9 26.1 39.1



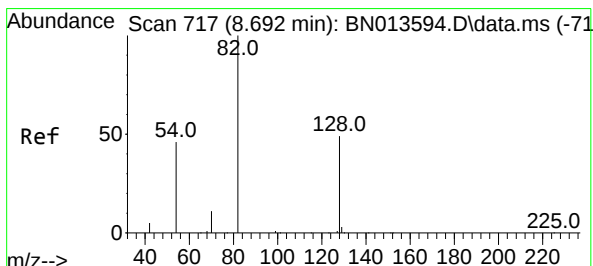
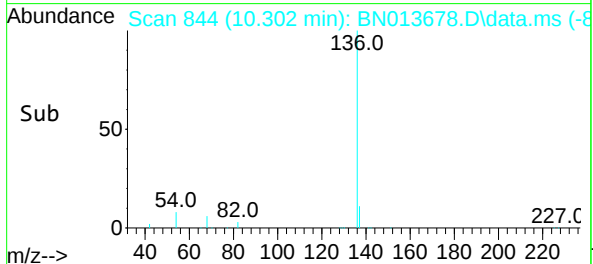
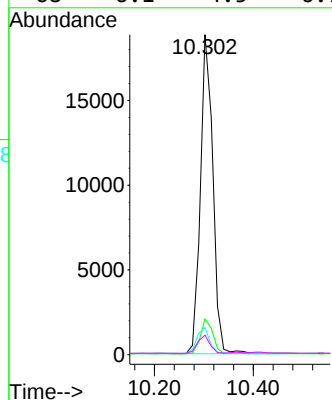


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.302 min Scan# 844
Delta R.T. -0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Instrument :
BNA_N
ClientSampleId :

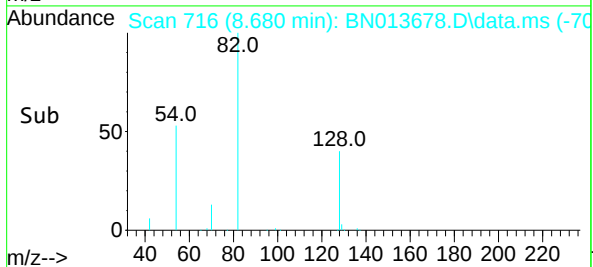
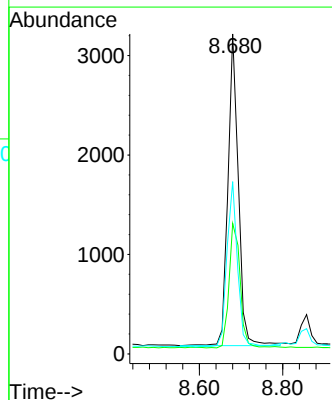
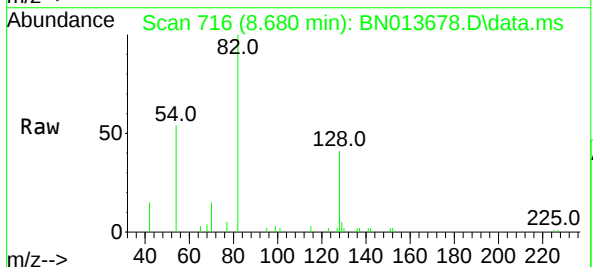


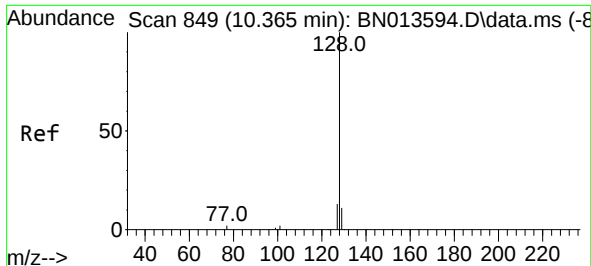
Tgt Ion:136 Resp: 33009
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 8.5 6.4 9.6
68 6.1 4.5 6.7



#8
Nitrobenzene-d5
Concen: 0.30 ng
RT: 8.680 min Scan# 716
Delta R.T. -0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Tgt Ion: 82 Resp: 5437
Ion Ratio Lower Upper
82 100
128 40.8 39.2 58.8
54 53.8 40.1 60.1

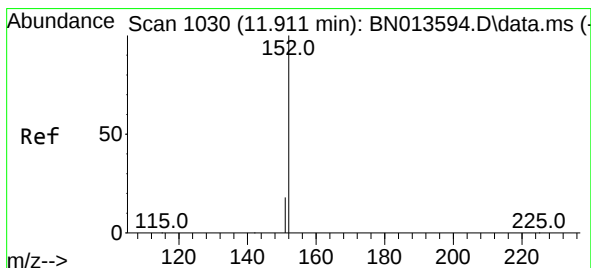
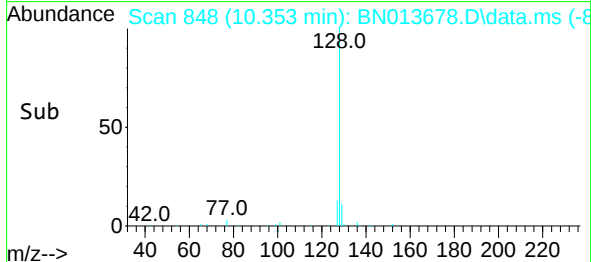
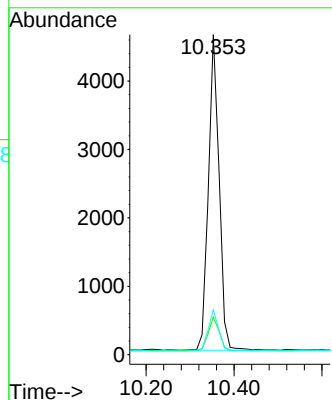
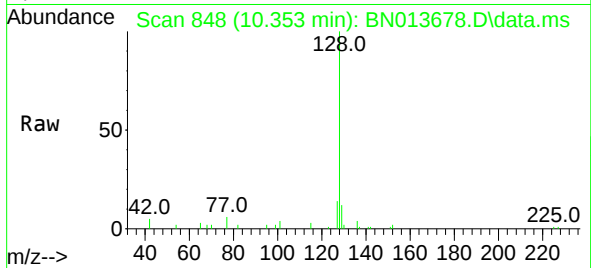




#9
Naphthalene
Concen: 0.10 ng
RT: 10.353 min Scan# 848
Delta R.T. -0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

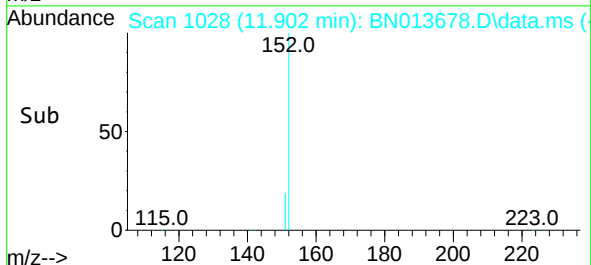
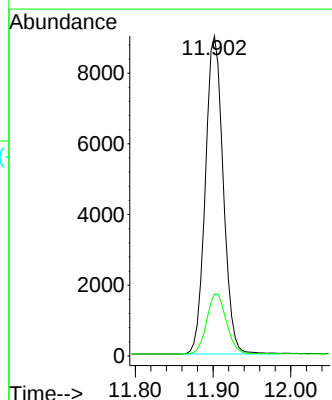
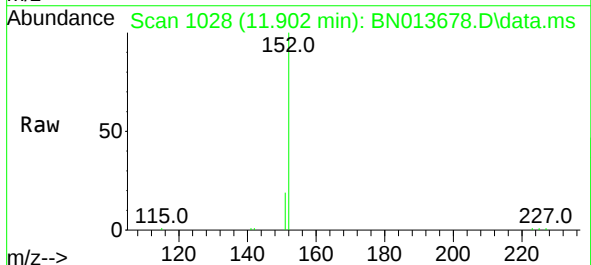
Instrument :
BNA_N
ClientSampleId :

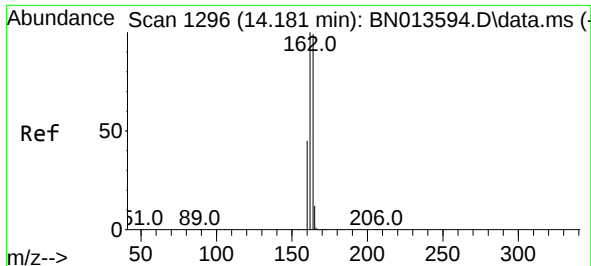
Tgt Ion:	128	Resp:	7759
Ion Ratio	Lower	Upper	
128	100		
129	11.8	9.0	13.4
127	14.0	10.4	15.6



#11
2-Methylnaphthalene-d10
Concen: 0.28 ng
RT: 11.902 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Tgt Ion:	152	Resp:	14365
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.2	24.2

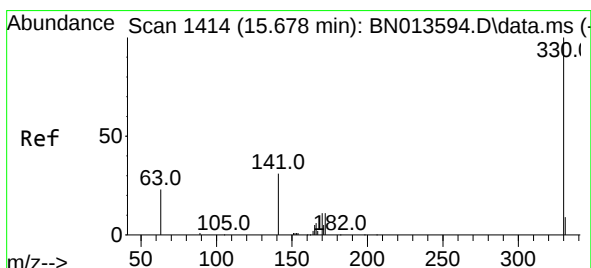
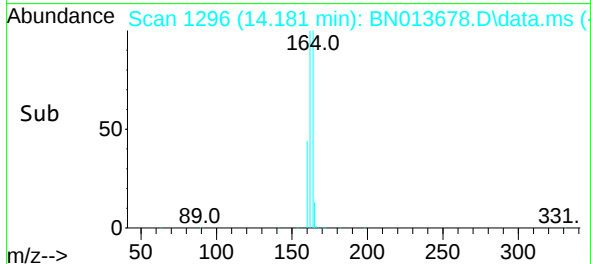
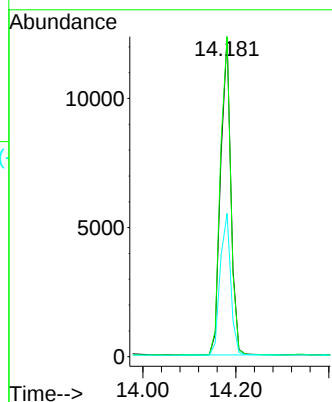
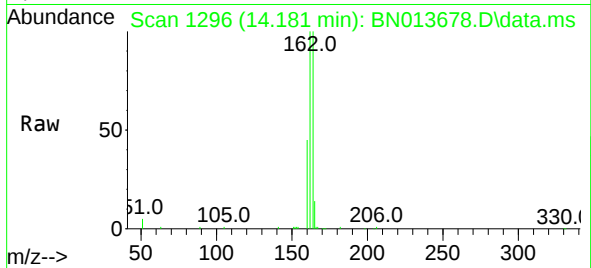




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.181 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

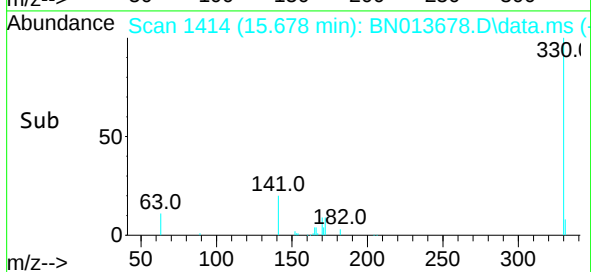
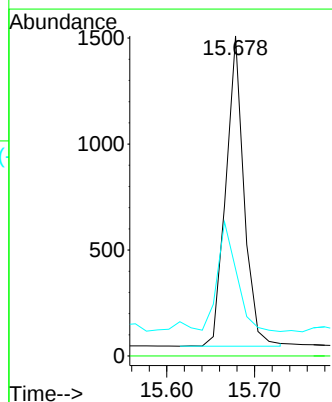
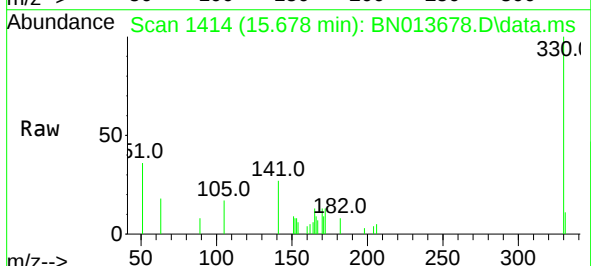
Instrument :
BNA_N
ClientSampleId :

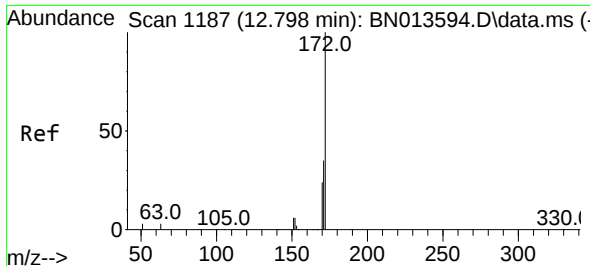
Tgt Ion:164 Resp: 18764
Ion Ratio Lower Upper
164 100
162 100.0 79.6 119.4
160 44.8 36.0 54.0



#14
2,4,6-Tribromophenol
Concen: 0.39 ng
RT: 15.678 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Tgt Ion:330 Resp: 2103
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.9 26.8 40.2

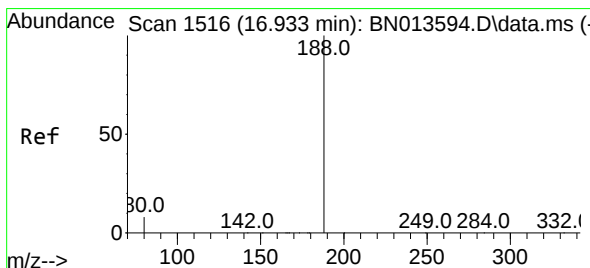
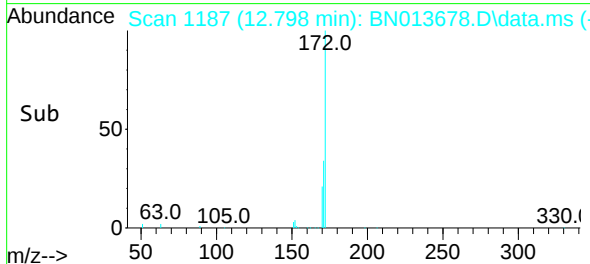
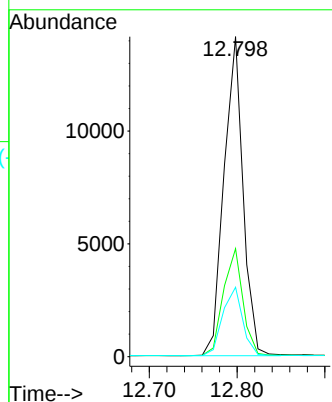
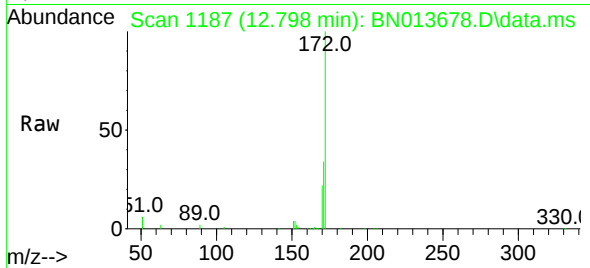




#15
2-Fluorobiphenyl
Concen: 0.30 ng
RT: 12.798 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

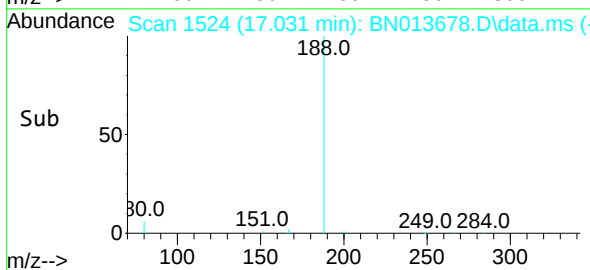
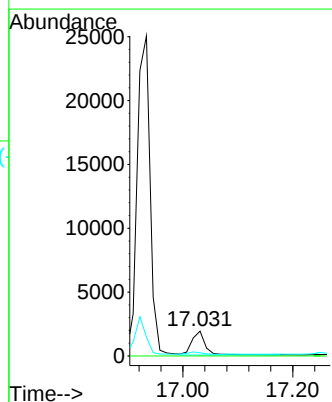
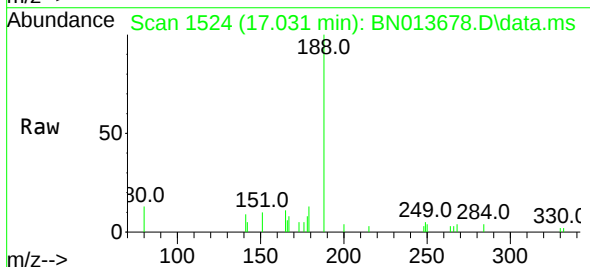
Instrument :
BNA_N
ClientSampleId :

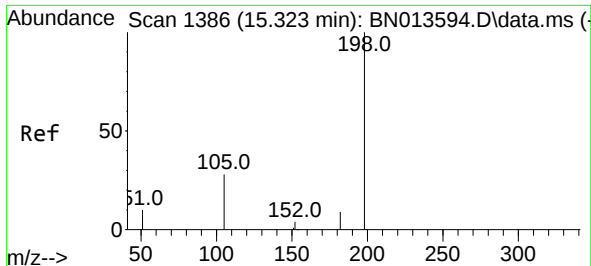
Tgt Ion:172	Resp:	21302
Ion Ratio	Lower	Upper
172	100	
171	33.8	28.6 42.8
170	21.7	18.9 28.3



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.031 min Scan# 1524
Delta R.T. 0.098 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Tgt Ion:188	Resp:	3184
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0 0.0
80	13.0	9.0 13.6

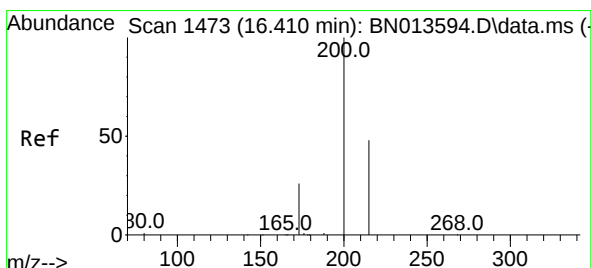
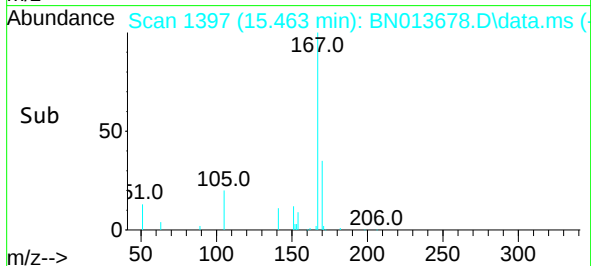
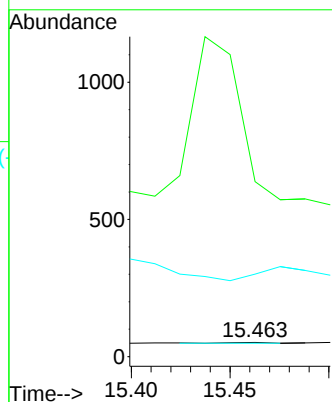
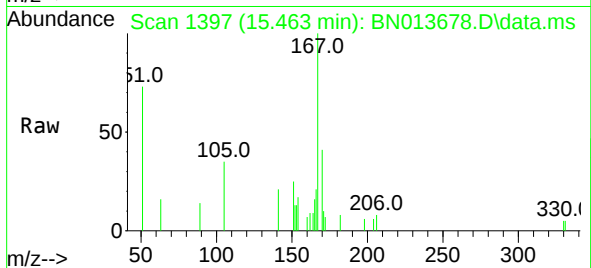




#20
4,6-Dinitro-2-methylphenol
Concen: 0.16 ng
RT: 15.463 min Scan# 1397
Delta R.T. 0.139 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

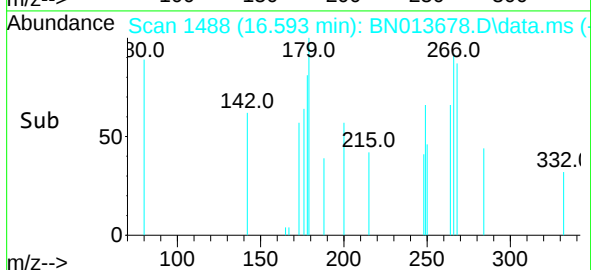
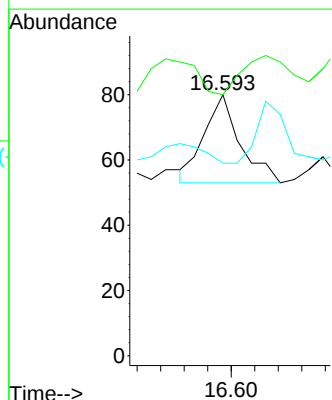
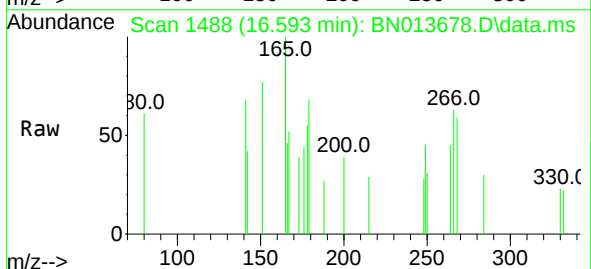
Instrument :
BNA_N
ClientSampleId :

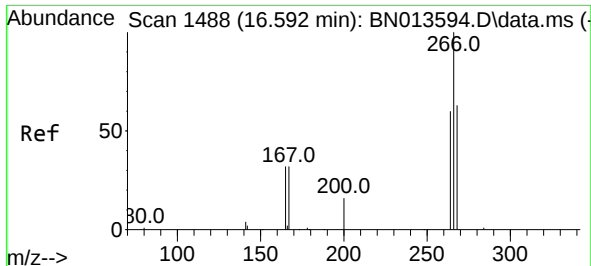
Tgt Ion:198 Resp: 4
Ion Ratio Lower Upper
198 100
51 1226.9 61.7 92.5#
105 578.8 33.0 49.6#



#23
Atrazine
Concen: 0.06 ng
RT: 16.593 min Scan# 1488
Delta R.T. 0.183 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Tgt Ion:200 Resp: 57
Ion Ratio Lower Upper
200 100
173 100.0 18.6 28.0#
215 73.8 41.0 61.6#

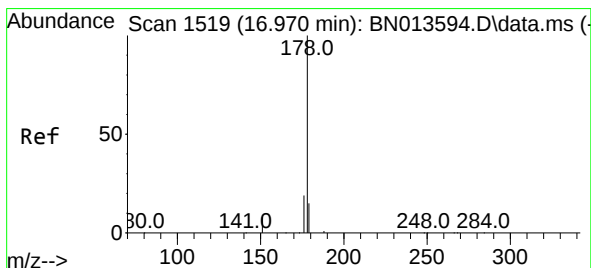
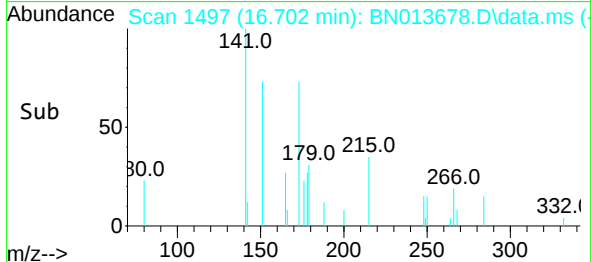
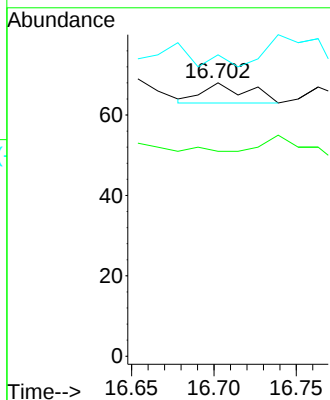
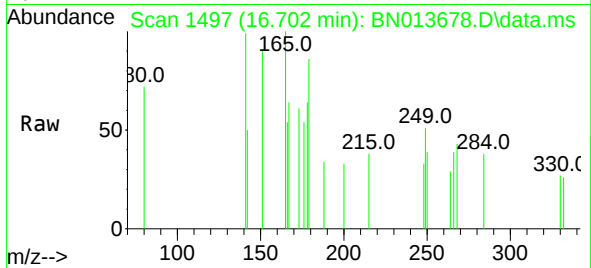




#24
Pentachlorophenol
Concen: 0.22 ng
RT: 16.702 min Scan# 1497
Delta R.T. 0.122 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

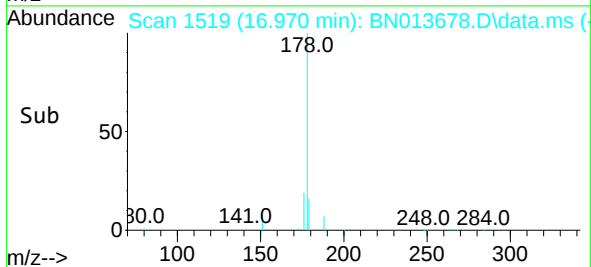
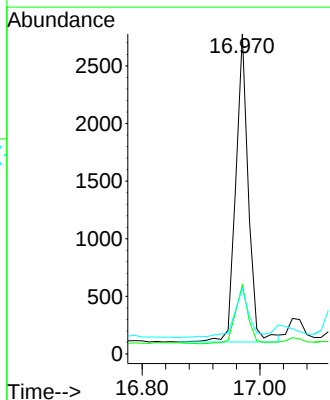
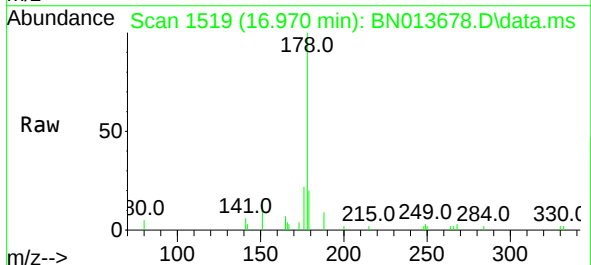
Instrument :
BNA_N
ClientSampleId :

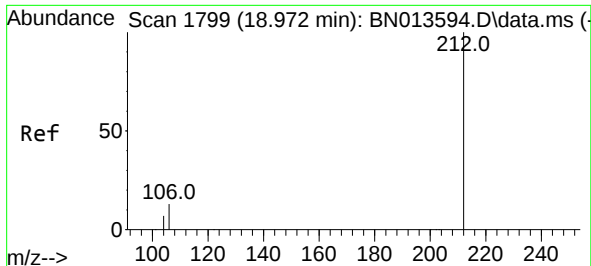
Tgt Ion:266 Resp: 9
Ion Ratio Lower Upper
266 100
264 0.0 51.6 77.4#
268 0.0 54.6 82.0#



#25
Phenanthrene
Concen: 0.46 ng
RT: 16.970 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Tgt Ion:178 Resp: 3982
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.4
179 18.4 12.3 18.5

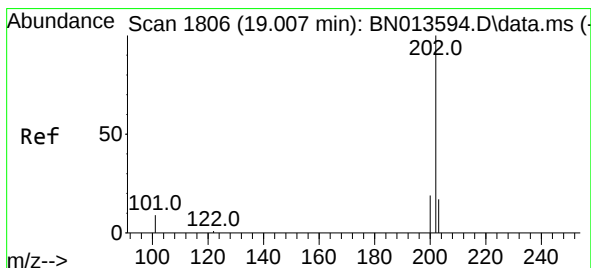
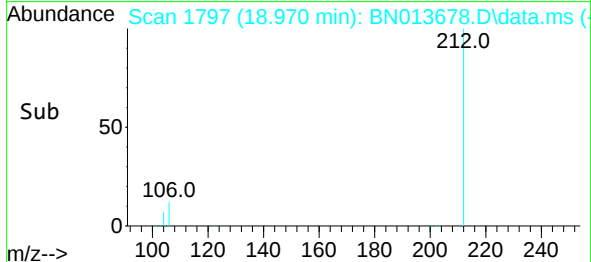
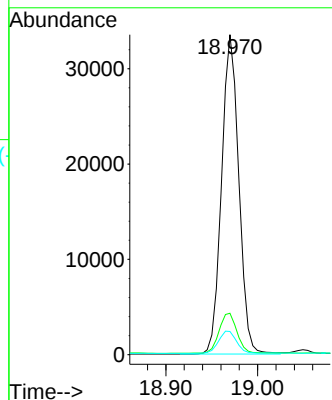
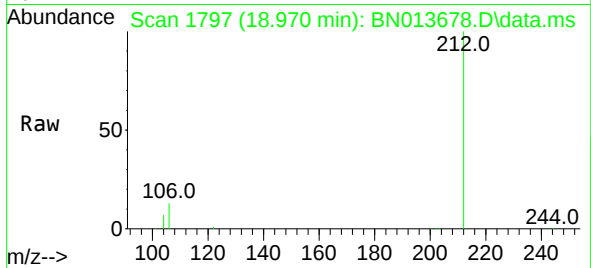




#27
Fluoranthene-d10
Concen: 5.11 ng
RT: 18.970 min Scan# 1797
Delta R.T. -0.002 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

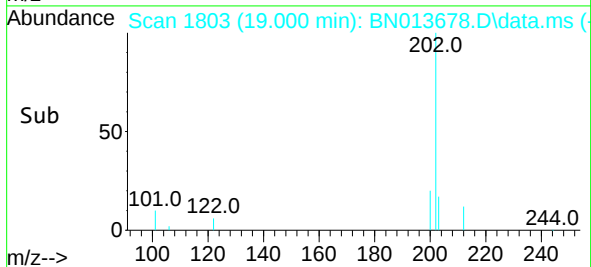
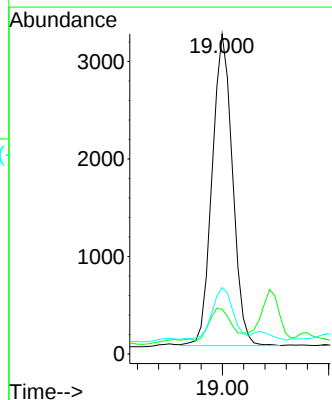
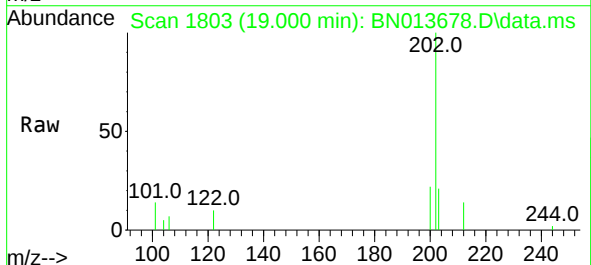
Instrument :
BNA_N
ClientSampleId :

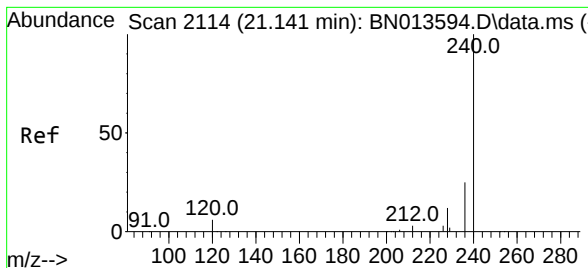
Tgt Ion:212 Resp: 43845
Ion Ratio Lower Upper
212 100
106 13.5 9.7 14.5
104 7.3 5.5 8.3



#28
Fluoranthene
Concen: 0.45 ng
RT: 19.000 min Scan# 1803
Delta R.T. -0.002 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Tgt Ion:202 Resp: 4260
Ion Ratio Lower Upper
202 100
101 11.2 8.1 12.1
203 18.8 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: BN013678.D

Acq: 19 Feb 2021 11:19

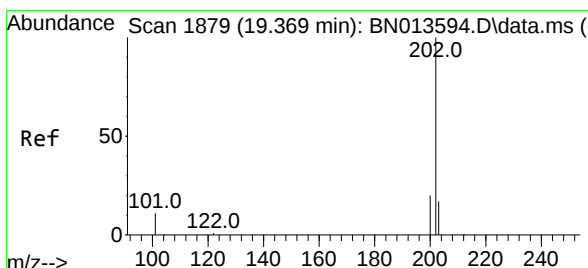
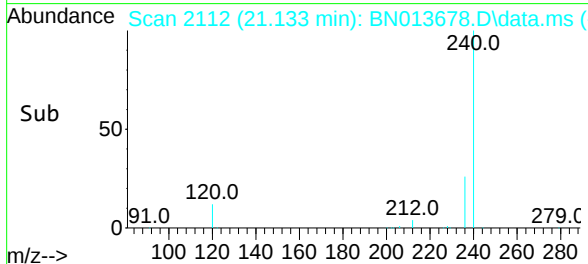
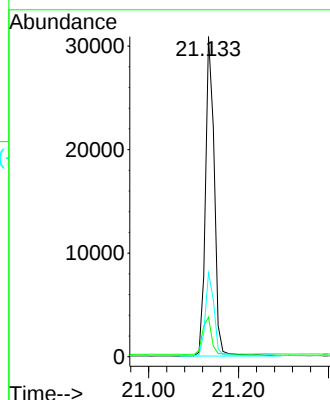
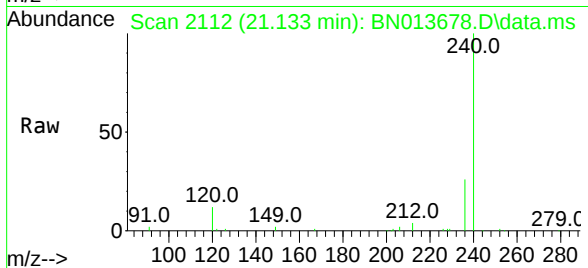
Tgt Ion:240 Resp: 41877

Ion Ratio Lower Upper

240 100

120 12.4 10.2 15.4

236 26.2 21.3 31.9



#30

Pyrene

Concen: 0.03 ng

RT: 19.362 min Scan# 1876

Delta R.T. -0.002 min

Lab File: BN013678.D

Acq: 19 Feb 2021 11:19

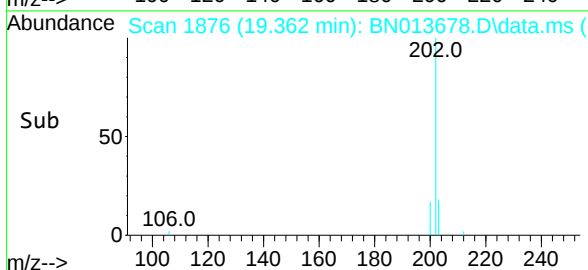
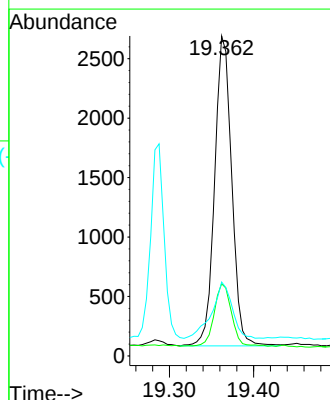
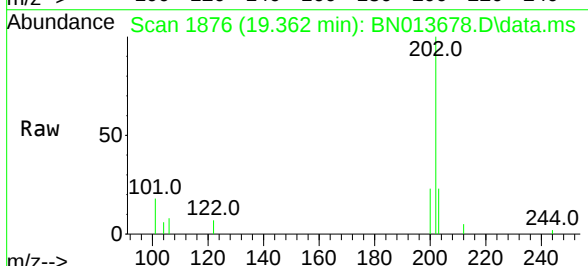
Tgt Ion:202 Resp: 3680

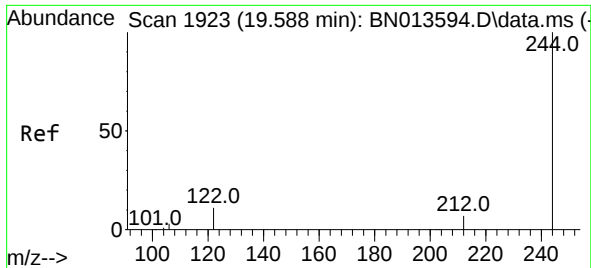
Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

203 21.5 14.0 21.0#

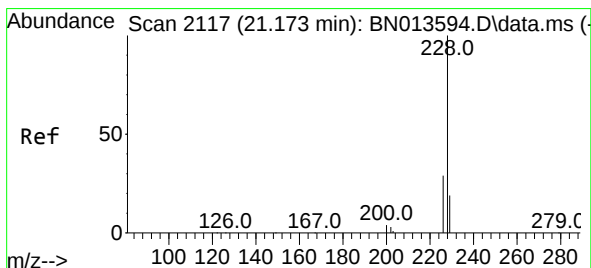
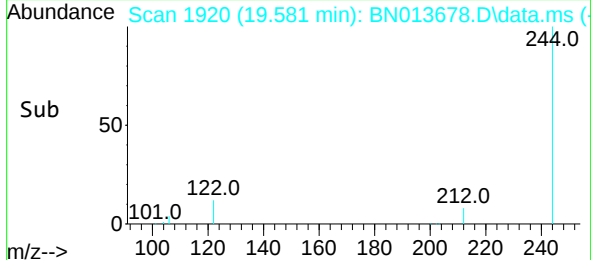
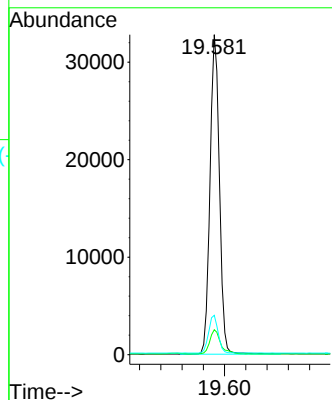
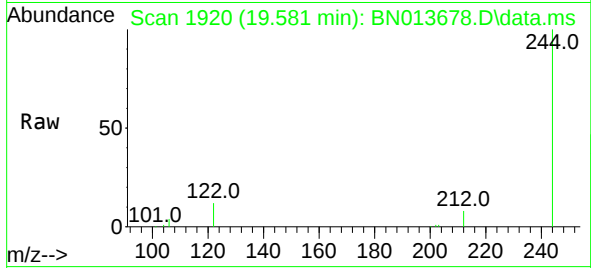




#31
Terphenyl-d14
Concen: 0.43 ng
RT: 19.581 min Scan# 1920
Delta R.T. -0.002 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

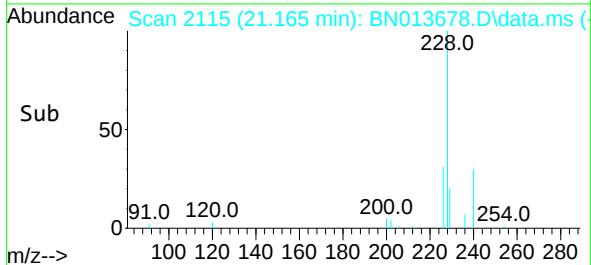
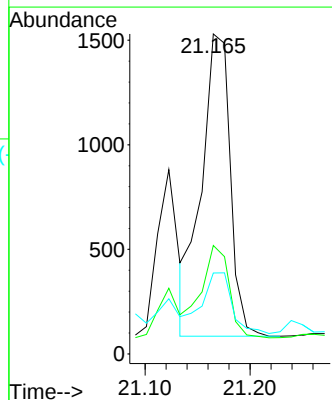
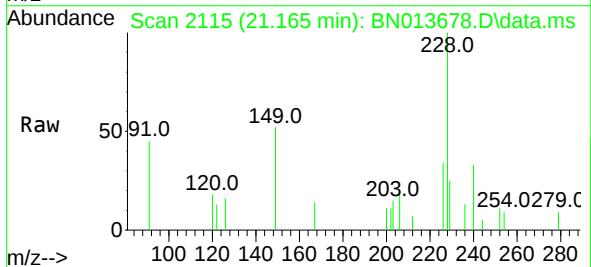
Instrument :
BNA_N
ClientSampleId :

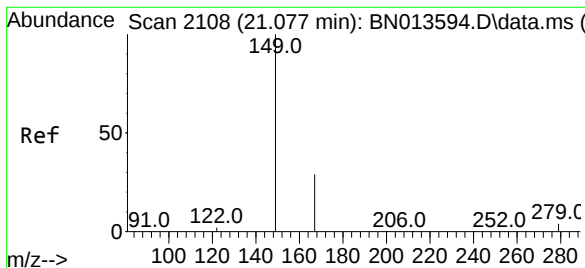
Tgt Ion:244 Resp: 40202
Ion Ratio Lower Upper
244 100
212 7.8 6.1 9.1
122 12.3 9.8 14.8



#33
Chrysene
Concen: 0.02 ng
RT: 21.165 min Scan# 2115
Delta R.T. -0.008 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Tgt Ion:228 Resp: 2766
Ion Ratio Lower Upper
228 100
226 33.9 24.3 36.5
229 25.3 15.1 22.7#

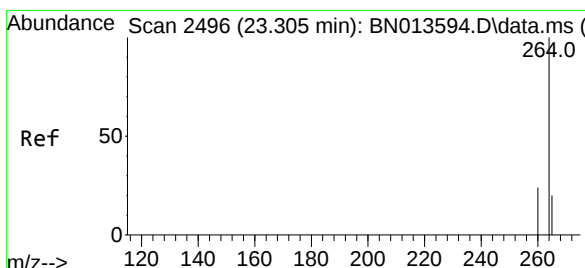
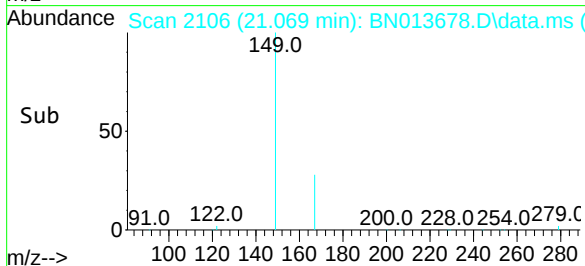
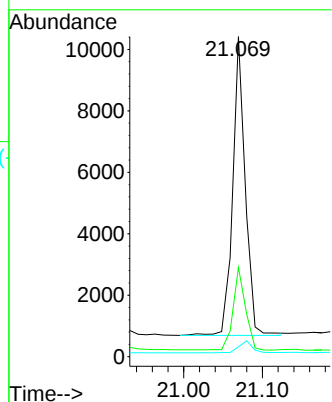
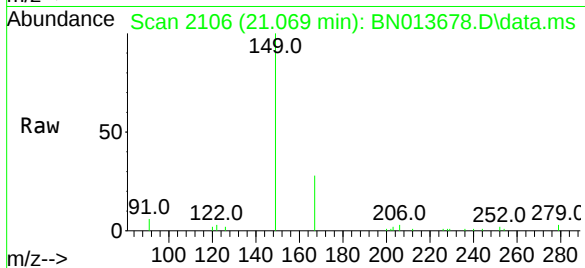




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.33 ng
 RT: 21.069 min Scan# 2106
 Delta R.T. 0.003 min
 Lab File: BN013678.D
 Acq: 19 Feb 2021 11:19

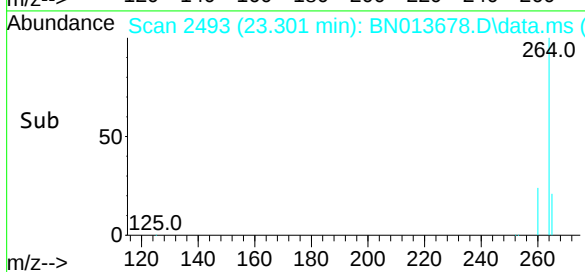
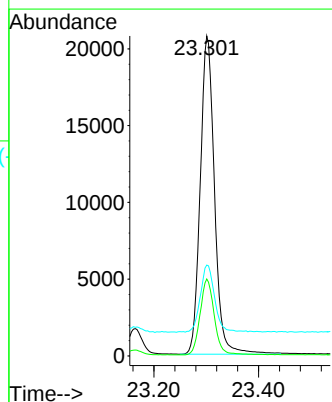
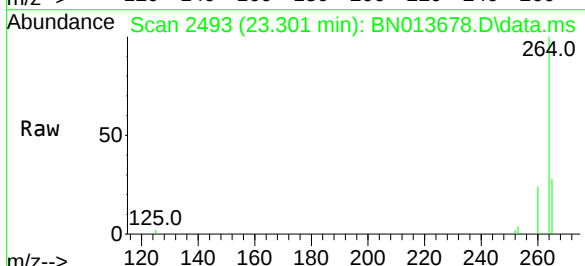
Instrument :
 BNA_N
 ClientSampleId :

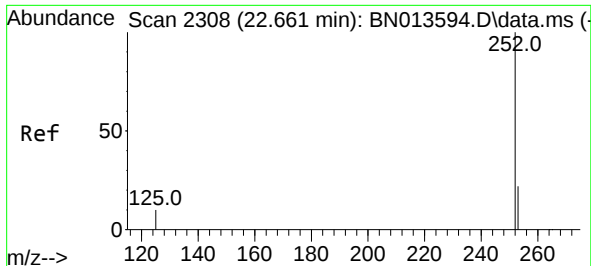
Tgt Ion:149 Resp: 10745
 Ion Ratio Lower Upper
 149 100
 167 27.1 22.1 33.1
 279 4.3 3.5 5.3



#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.301 min Scan# 2493
 Delta R.T. -0.001 min
 Lab File: BN013678.D
 Acq: 19 Feb 2021 11:19

Tgt Ion:264 Resp: 39311
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.3 28.9
 265 28.4 66.2 99.4#

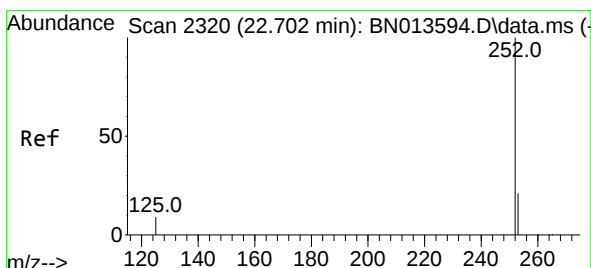
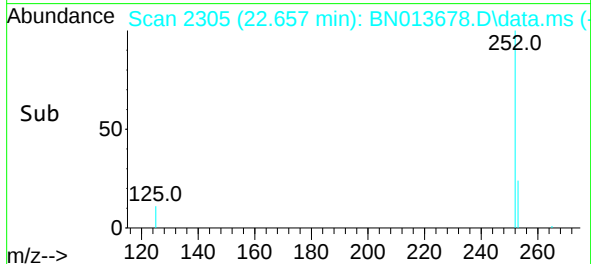
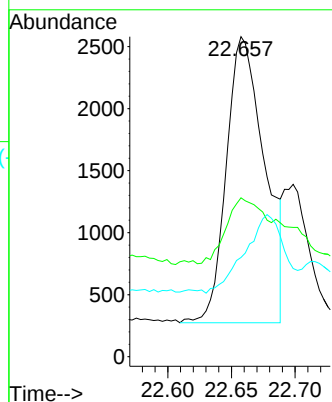
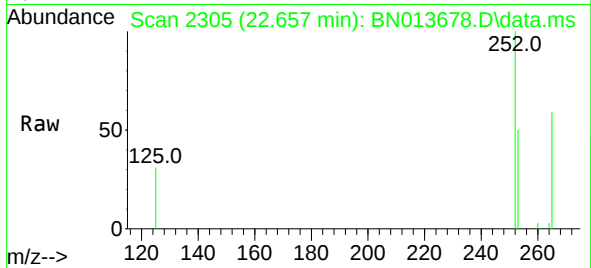




#37
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 22.657 min Scan# 2305
Delta R.T. -0.001 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

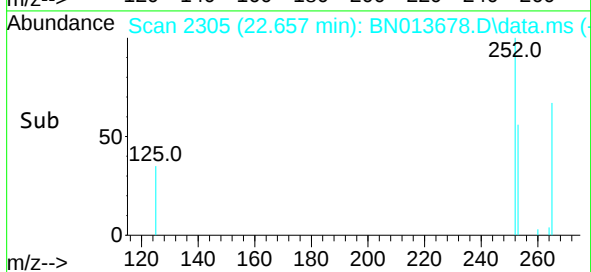
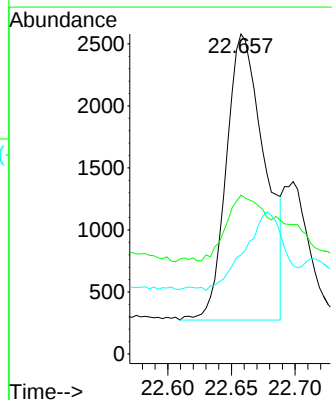
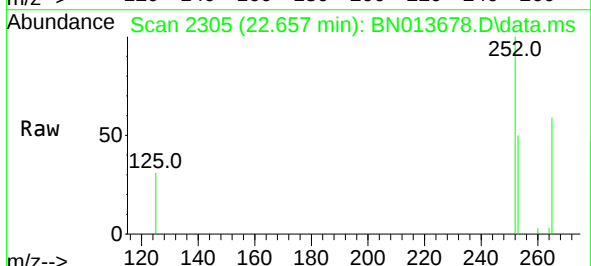
Instrument :
BNA_N
ClientSampleId :

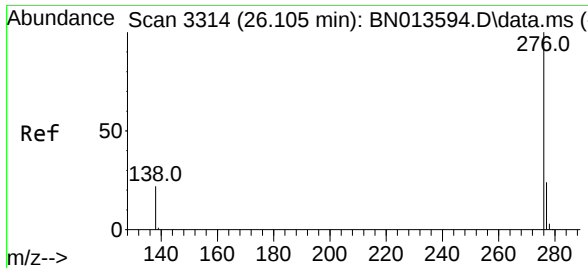
Tgt Ion:252 Resp: 4826
Ion Ratio Lower Upper
252 100
253 49.7 20.4 30.6#
125 31.0 11.6 17.4#



#38
Benzo(k)fluoranthene
Concen: 0.04 ng
RT: 22.657 min Scan# 2305
Delta R.T. -0.042 min
Lab File: BN013678.D
Acq: 19 Feb 2021 11:19

Tgt Ion:252 Resp: 4826
Ion Ratio Lower Upper
252 100
253 49.7 20.5 30.7#
125 31.0 12.3 18.5#





#41
 Benzo(g,h,i)perylene
 Concen: 0.02 ng
 RT: 26.101 min Scan# 3311
 Delta R.T. 0.003 min
 Lab File: BN013678.D
 Acq: 19 Feb 2021 11:19

Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion:	276	Resp:	2923
Ion Ratio	Lower	Upper	
276	100		
277	30.8	20.0	30.0#
138	29.7	17.8	26.8#

