

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016693.D
 Acq On : 03 Oct 2021 05:48
 Operator : CG/JU
 Sample : M3892-08
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 04 03:37:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 13:35:26 2021
 Response via : Initial Calibration

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

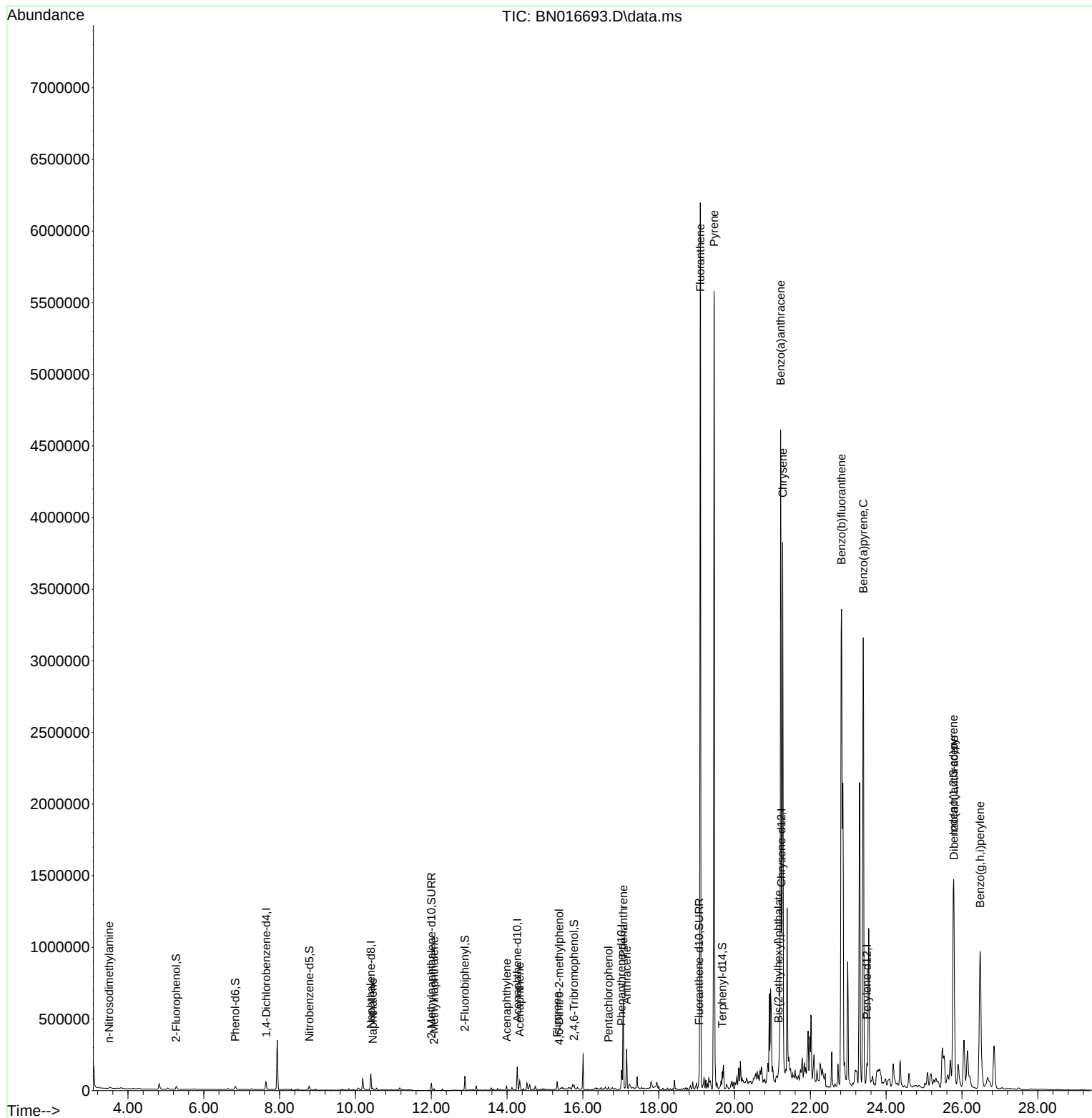
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	33958	0.400	ng	0.00
7) Naphthalene-d8	10.406	136	153982	0.400	ng	# 0.00
13) Acenaphthene-d10	14.269	164	88066	0.400	ng	0.00
19) Phenanthrene-d10	17.017	188	171658	0.400	ng	#-0.01
29) Chrysene-d12	21.238	240	167415	0.400	ng	# 0.00
35) Perylene-d12	23.491	264	191385	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.272	112	23744	0.275	ng	0.02
5) Phenol-d6	6.831	99	24483	0.259	ng	0.00
8) Nitrobenzene-d5	8.784	82	27007	0.269	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	67699	0.297	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12688	0.316	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	85965	0.241	ng	-0.01
27) Fluoranthene-d10	19.068	212	124835	0.274	ng	0.00
31) Terphenyl-d14	19.678	244	108292	0.297	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.502	42	3455	0.138	ng	# 1
9) Naphthalene	10.457	128	15382	0.037	ng	97
12) 2-Methylnaphthalene	12.074	142	9092	0.034	ng	98
16) Acenaphthylene	13.989	152	33889	0.088	ng	98
17) Acenaphthene	14.332	154	26769	0.103	ng	98
18) Fluorene	15.322	166	36051	0.118	ng	93
20) 4,6-Dinitro-2-methylph...	15.372	198	14	0.137	ng	# 1
24) Pentachlorophenol	16.677	266	1160	0.028	ng	97
25) Phenanthrene	17.066	178	653505	1.265	ng	99
26) Anthracene	17.151	178	273214	0.613	ng	98
28) Fluoranthene	19.097	202	5825385	10.446	ng	98
30) Pyrene	19.460	202	5378781	9.930	ng	# 92
32) Benzo(a)anthracene	21.217	228	4171265	8.117	ng	97
33) Chrysene	21.270	228	3592450	6.905	ng	96
34) Bis(2-ethylhexyl)phtha...	21.164	149	66525	0.325	ng	# 91
36) Indeno(1,2,3-cd)pyrene	25.778	276	2351581	3.444	ng	97
37) Benzo(b)fluoranthene	22.820	252	6073211	9.875	ng	97
39) Benzo(a)pyrene	23.395	252	4426090	8.080	ng	98
40) Dibenzo(a,h)anthracene	25.788	278	613722	1.114	ng	# 93
41) Benzo(g,h,i)perylene	26.479	276	2105542	3.487	ng	99

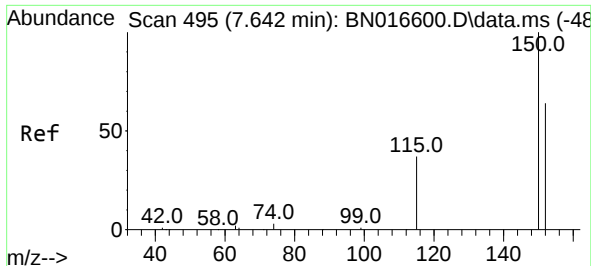
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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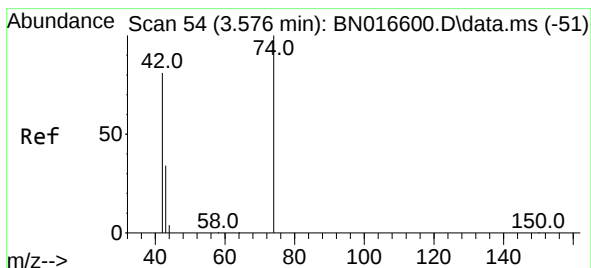
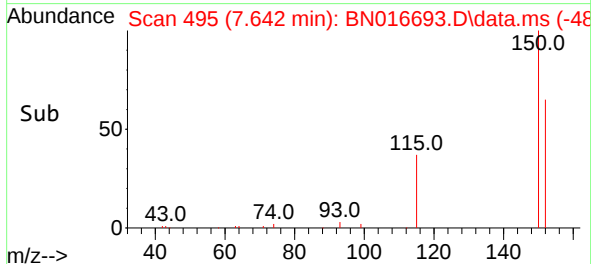
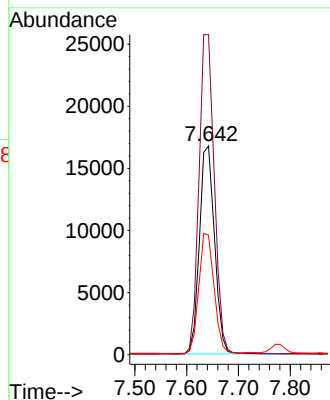
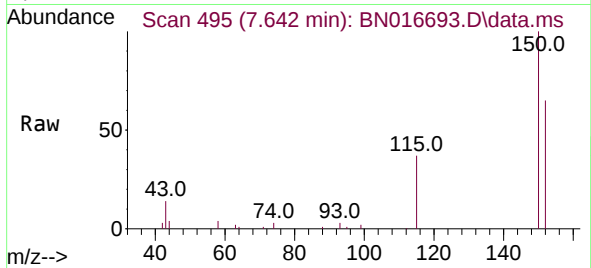




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

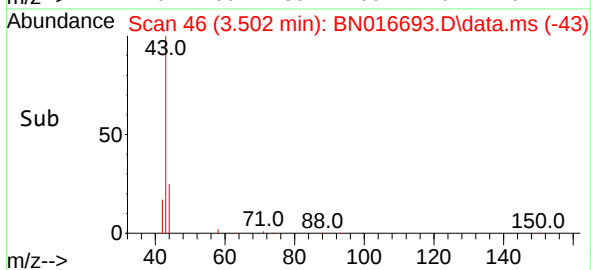
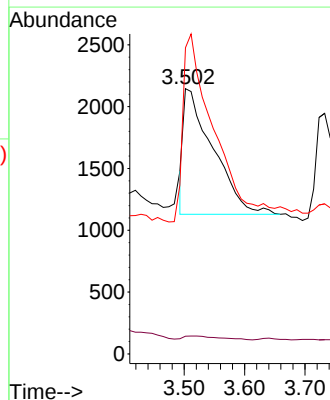
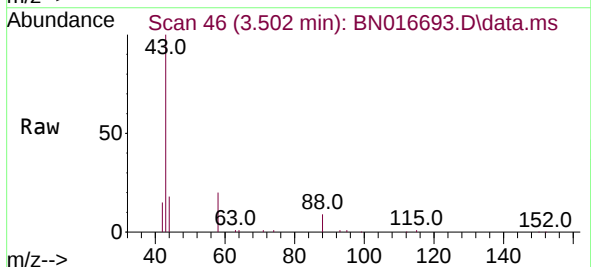
Instrument :
BNA_N
ClientSampled :

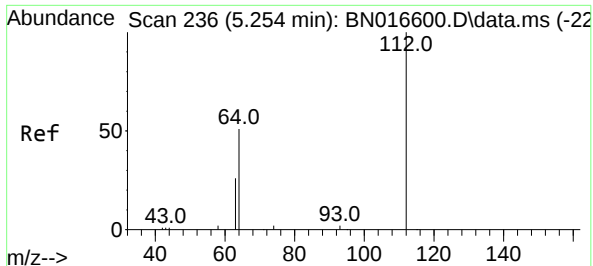
Tgt Ion:152 Resp: 33958
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 57.3 46.5 69.7



#3
n-Nitrosodimethylamine
Concen: 0.138 ng
RT: 3.502 min Scan# 46
Delta R.T. -0.074 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion: 42 Resp: 3455
Ion Ratio Lower Upper
42 100
74 3.4 121.6 182.4#
44 125.9 6.3 9.5#

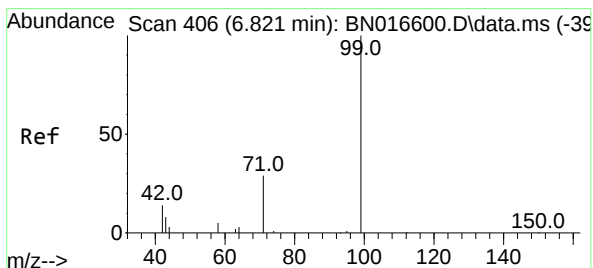
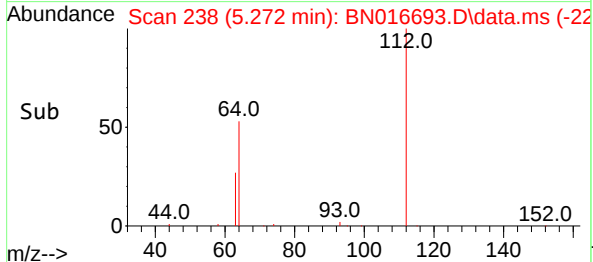
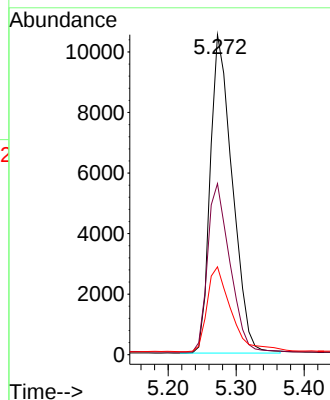
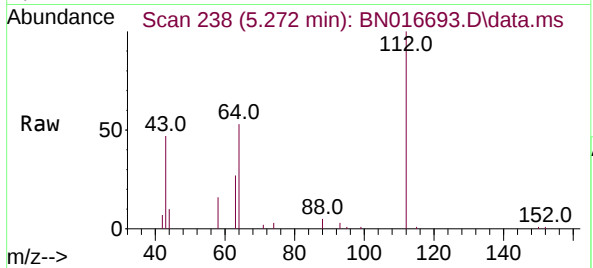




#4
2-Fluorophenol
Concen: 0.275 ng
RT: 5.272 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

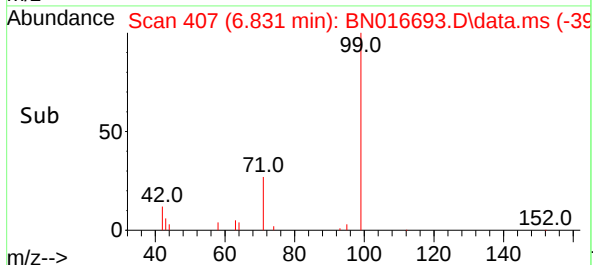
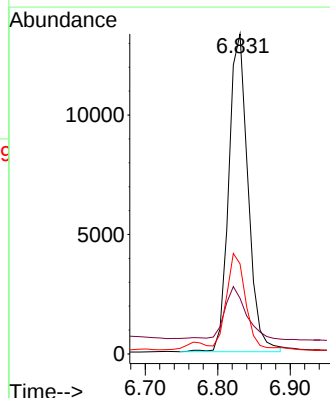
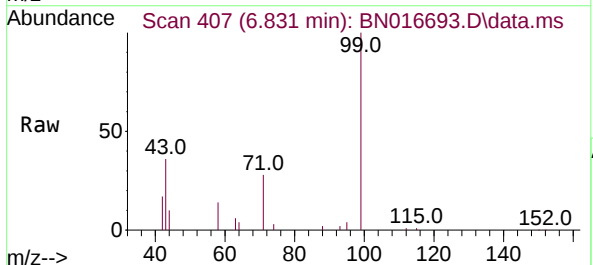
Instrument :
BNA_N
ClientSampleId :

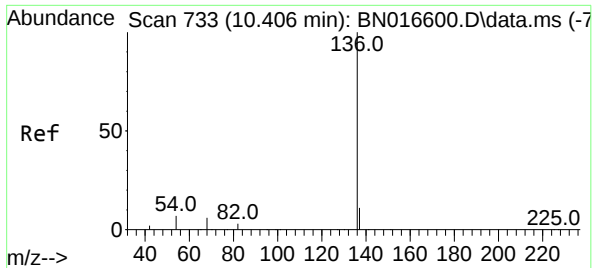
Tgt Ion:112 Resp: 23744
Ion Ratio Lower Upper
112 100
64 53.6 43.1 64.7
63 29.0 21.6 32.4



#5
Phenol-d6
Concen: 0.259 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion: 99 Resp: 24483
Ion Ratio Lower Upper
99 100
42 18.5 13.0 19.6
71 28.7 23.5 35.3

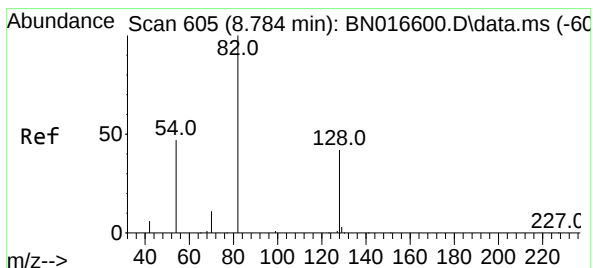
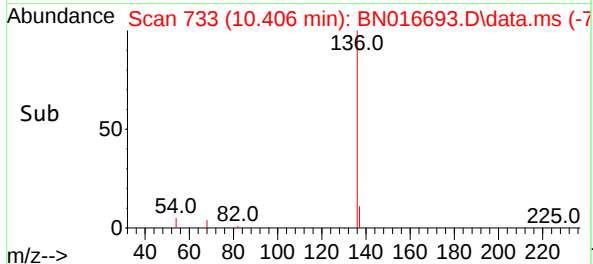
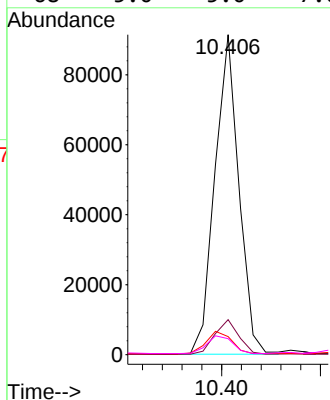
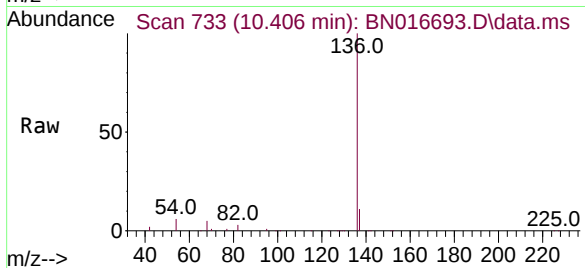




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.406 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

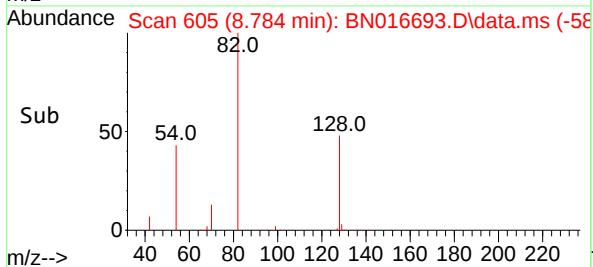
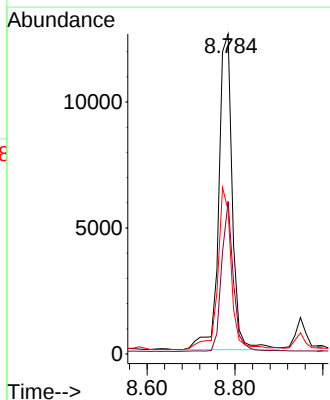
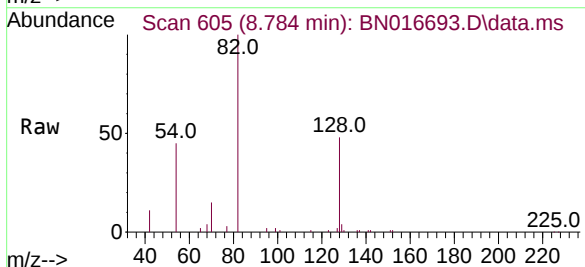
Instrument :
BNA_N
ClientSampleId :

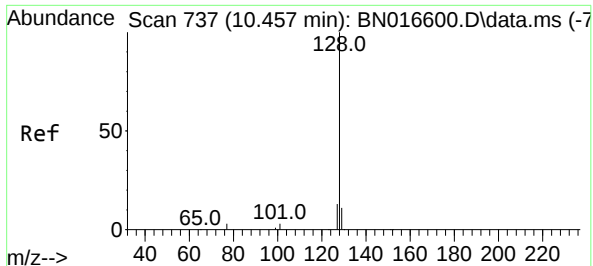
Tgt Ion:	136	Resp:	153982
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	5.7	5.9	8.9#
68	5.0	5.0	7.6#



#8
Nitrobenzene-d5
Concen: 0.269 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:	82	Resp:	27007
Ion Ratio	Lower	Upper	
82	100		
128	47.7	33.6	50.4
54	44.8	37.6	56.4

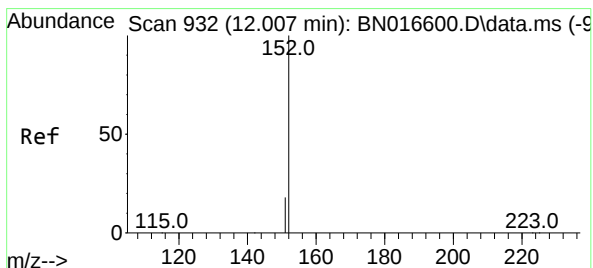
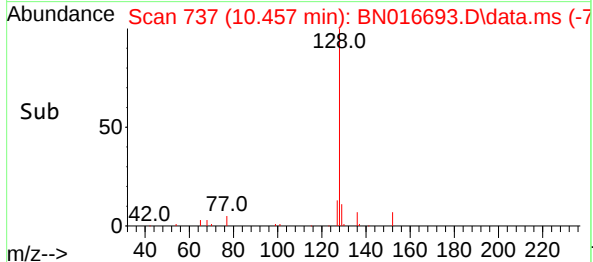
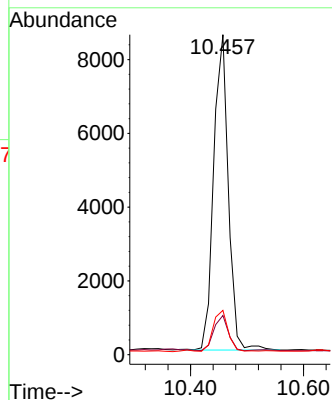
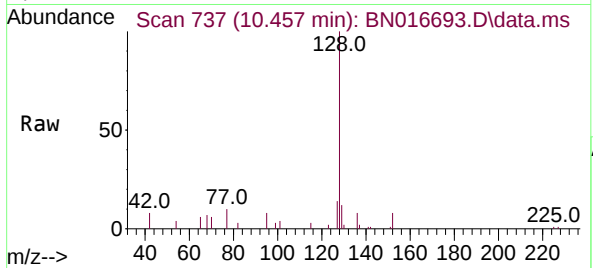




#9
Naphthalene
Concen: 0.037 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

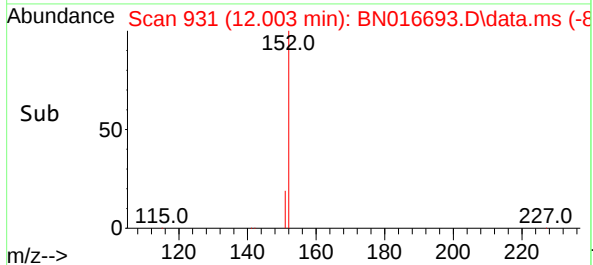
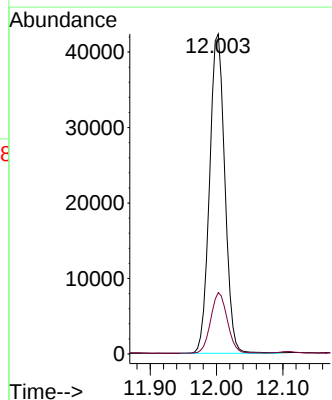
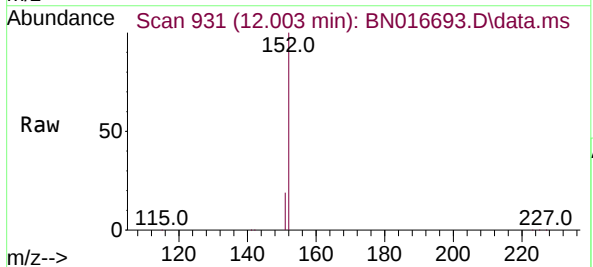
Instrument :
BNA_N
ClientSampleId :

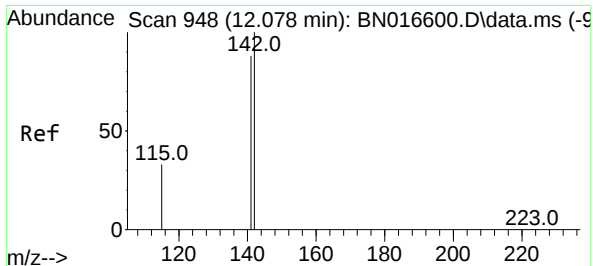
Tgt Ion:128 Resp: 15382
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 13.8 10.3 15.5



#11
2-Methylnaphthalene-d10
Concen: 0.297 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:152 Resp: 67699
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.034 ng

RT: 12.074 min Scan# 947

Delta R.T. -0.004 min

Lab File: BN016693.D

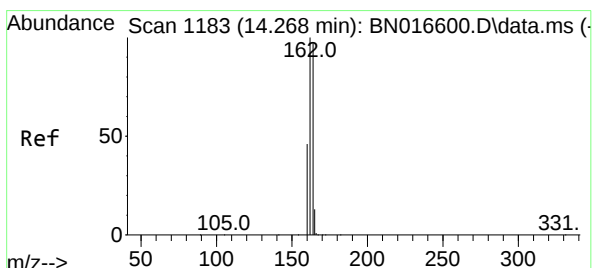
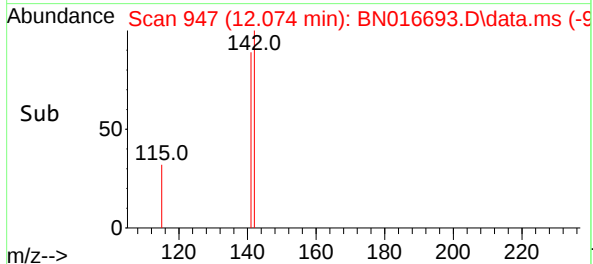
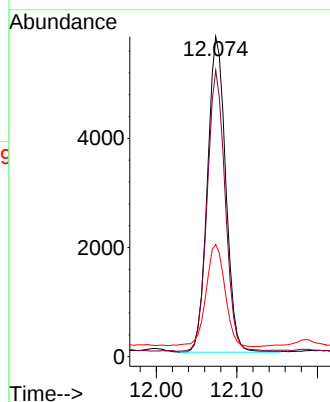
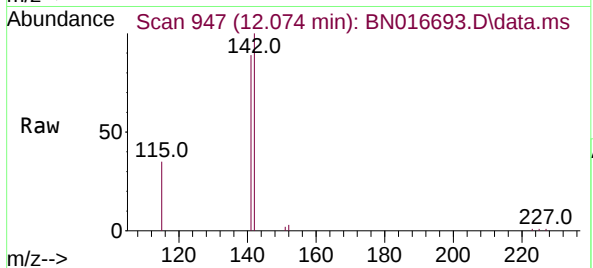
Acq: 03 Oct 2021 05:48

Instrument :

BNA_N

ClientSampled :

Tgt Ion:	142	Resp:	9092
Ion Ratio	Lower	Upper	
142	100		
141	89.5	70.6	105.8
115	35.1	26.6	39.8



#13

Acenaphthene-d10

Concen: 0.400 ng

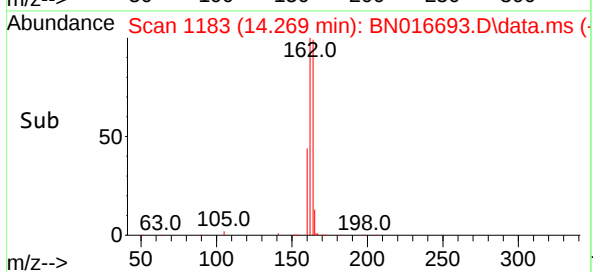
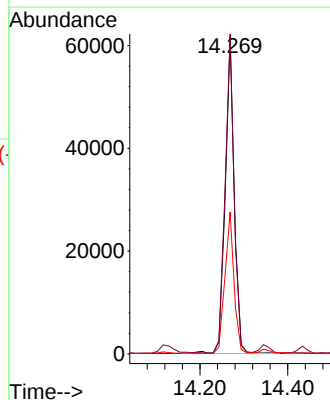
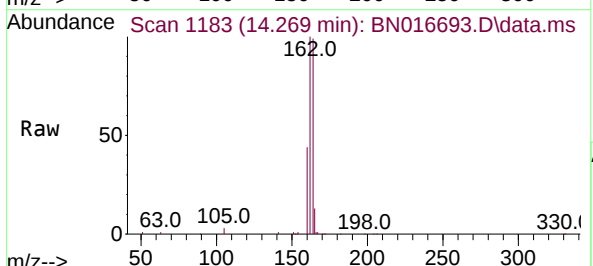
RT: 14.269 min Scan# 1183

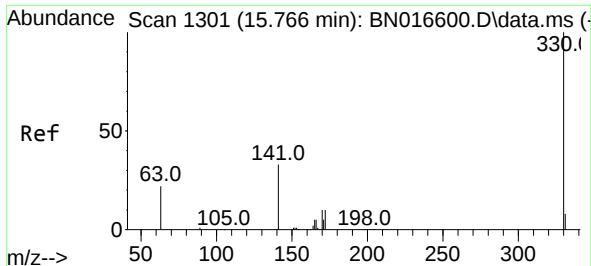
Delta R.T. 0.000 min

Lab File: BN016693.D

Acq: 03 Oct 2021 05:48

Tgt Ion:	164	Resp:	88066
Ion Ratio	Lower	Upper	
164	100		
162	101.1	82.2	123.2
160	44.8	37.7	56.5

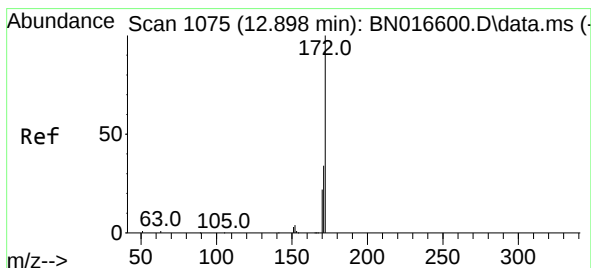
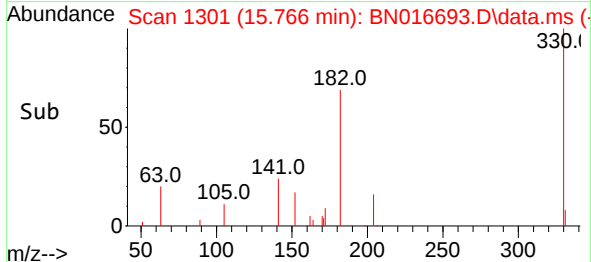
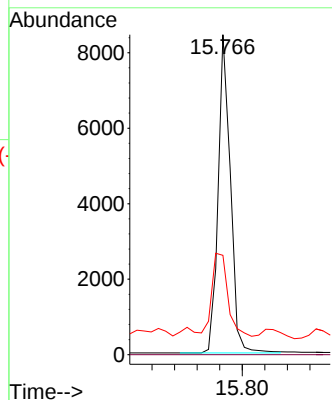
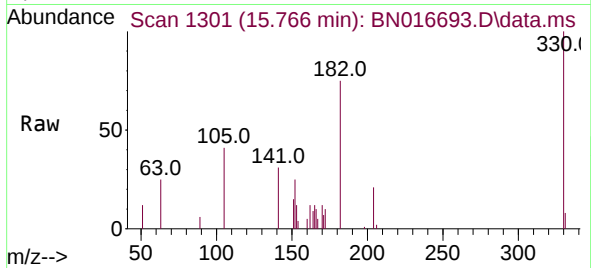




#14
2,4,6-Tribromophenol
Concen: 0.316 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

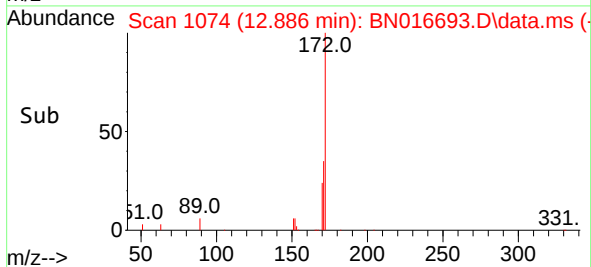
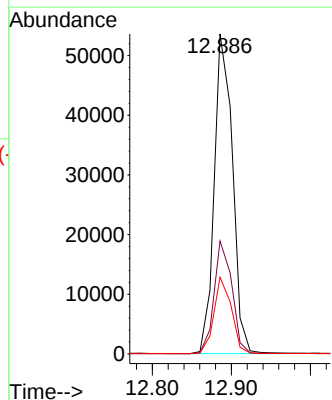
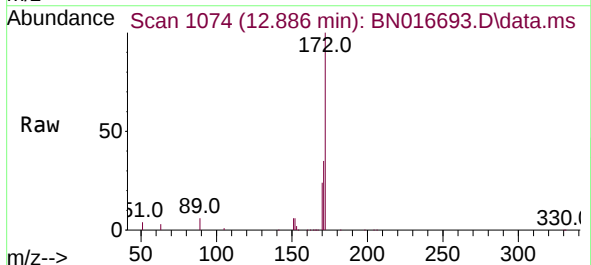
Instrument :
BNA_N
ClientSampled :

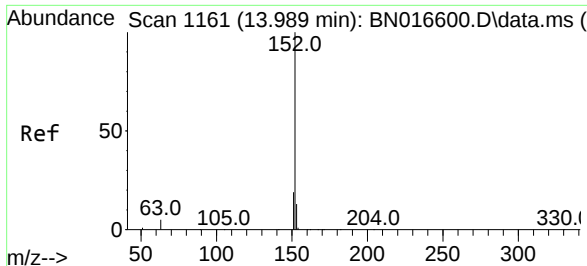
Tgt Ion:330 Resp: 12688
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.7 25.2 37.8



#15
2-Fluorobiphenyl
Concen: 0.241 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:172 Resp: 85965
Ion Ratio Lower Upper
172 100
171 35.3 27.0 40.4
170 24.0 17.4 26.2

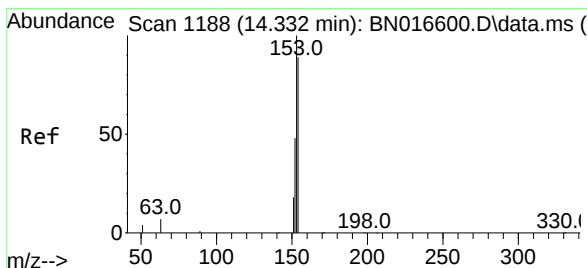
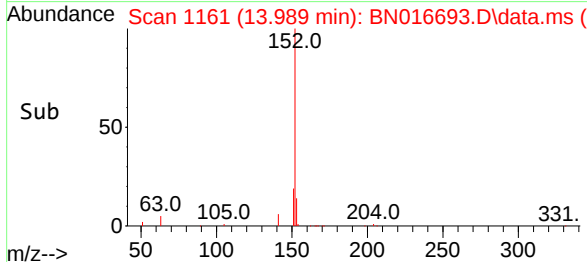
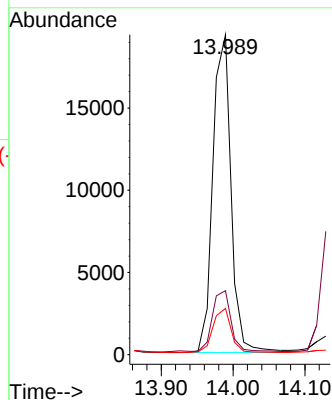
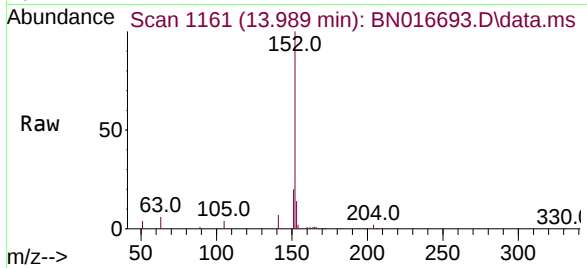




#16
Acenaphthylene
Concen: 0.088 ng
RT: 13.989 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

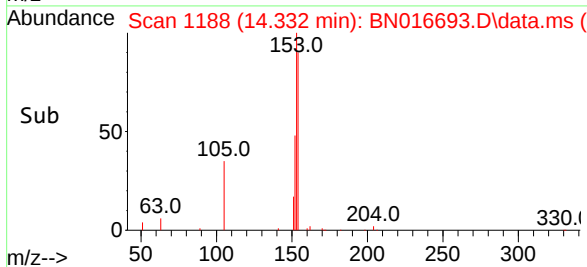
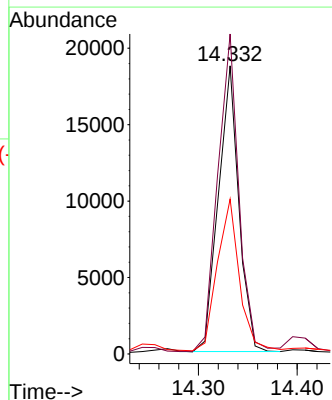
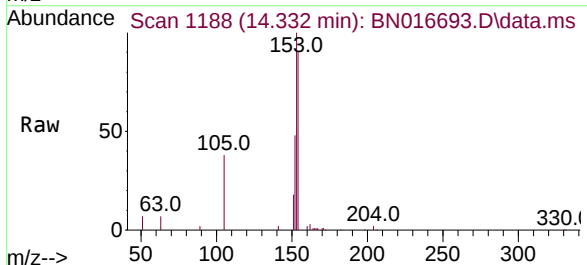
Instrument :
BNA_N
ClientSampled :

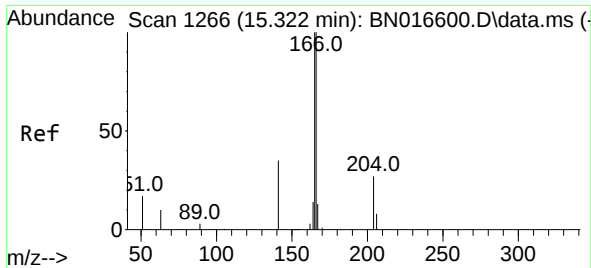
Tgt Ion:152 Resp: 33889
Ion Ratio Lower Upper
152 100
151 20.5 15.5 23.3
153 13.9 10.4 15.6



#17
Acenaphthene
Concen: 0.103 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:154 Resp: 26769
Ion Ratio Lower Upper
154 100
153 114.3 90.2 135.2
152 57.2 44.0 66.0

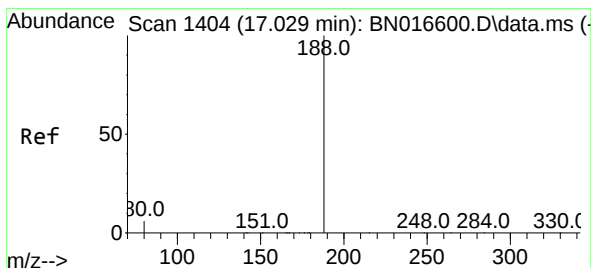
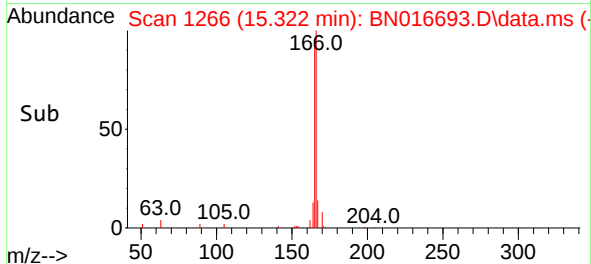
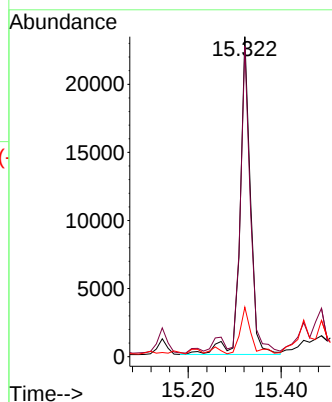
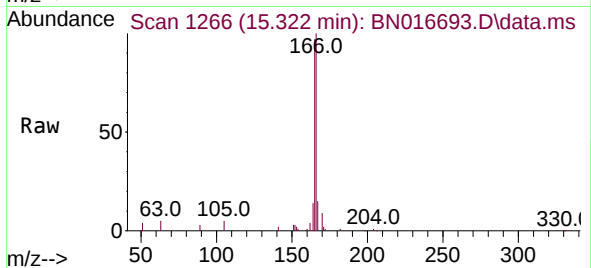




#18
Fluorene
Concen: 0.118 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

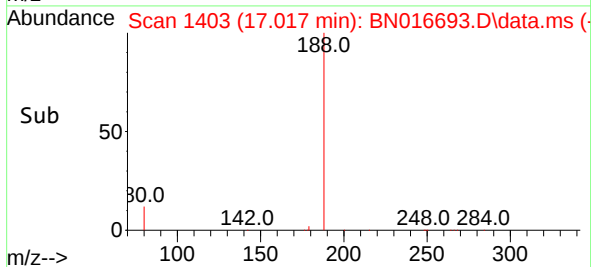
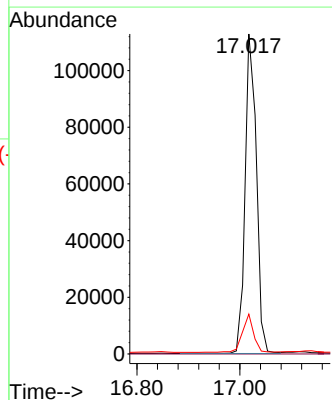
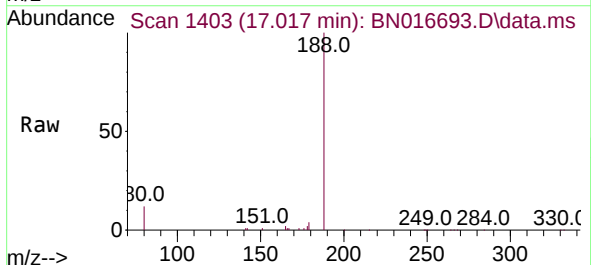
Instrument :
BNA_N
ClientSampled :

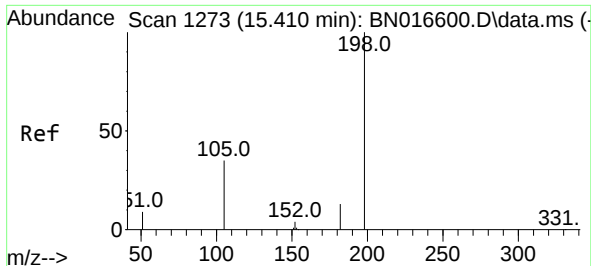
Tgt Ion:166 Resp: 36051
Ion Ratio Lower Upper
166 100
165 90.5 77.9 116.9
167 15.4 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.017 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:188 Resp: 171658
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 5.0 7.6#

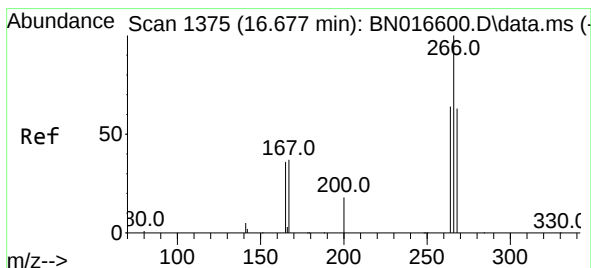
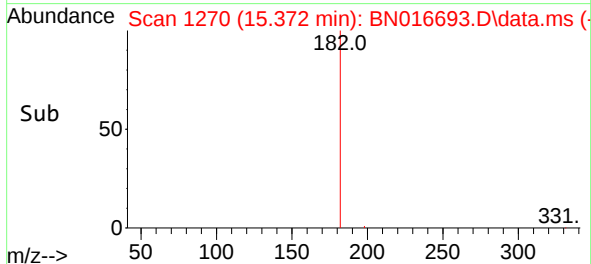
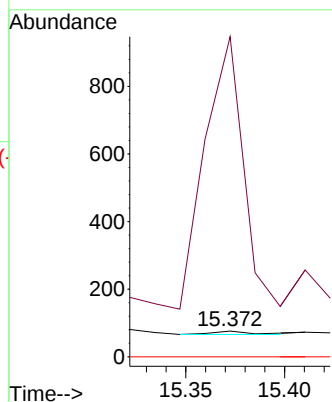
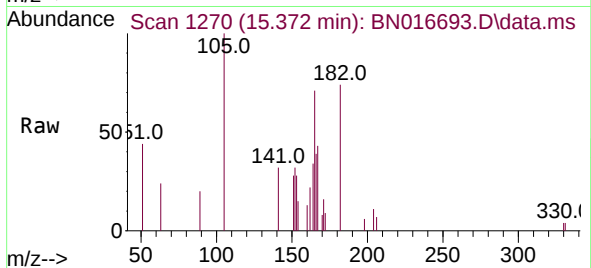




#20
4,6-Dinitro-2-methylphenol
Concen: 0.137 ng
RT: 15.372 min Scan# 1270
Delta R.T. -0.038 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

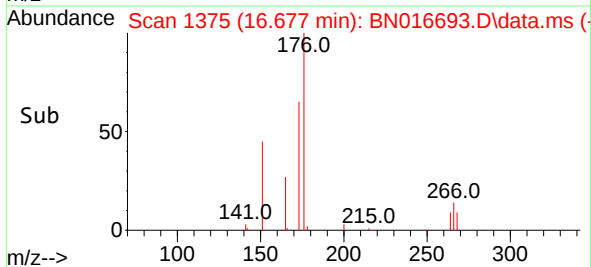
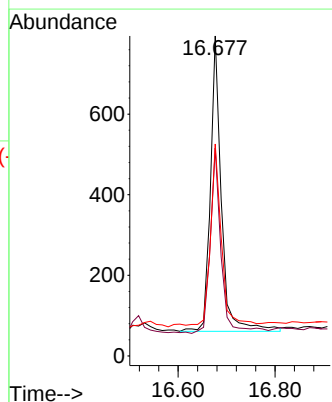
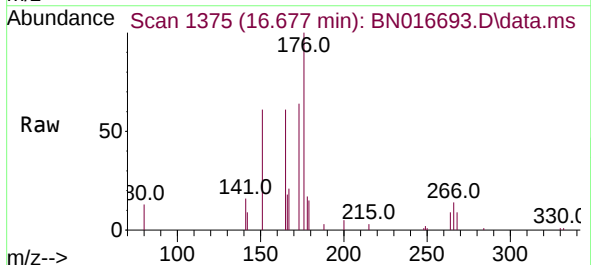
Instrument :
BNA_N
ClientSampled :

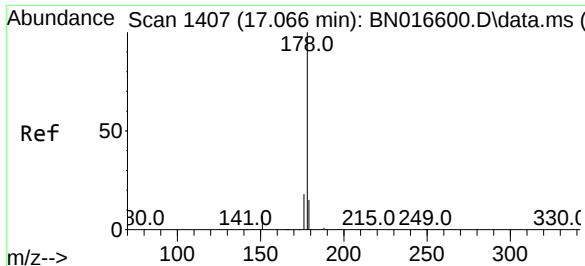
Tgt Ion:198 Resp: 14
Ion Ratio Lower Upper
198 100
182 1246.1 11.8 17.8#
77 0.0 0.0 0.0



#24
Pentachlorophenol
Concen: 0.028 ng
RT: 16.677 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:266 Resp: 1160
Ion Ratio Lower Upper
266 100
264 62.0 49.8 74.6
268 59.7 51.4 77.2

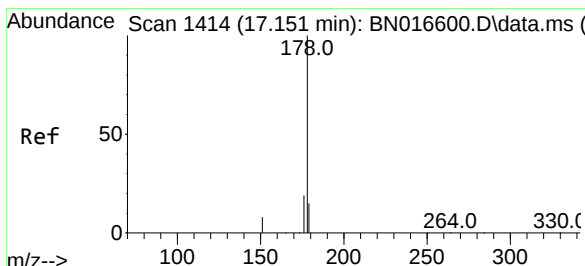
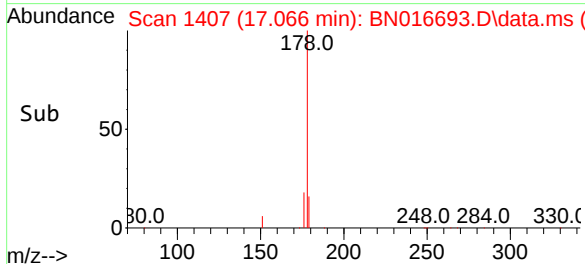
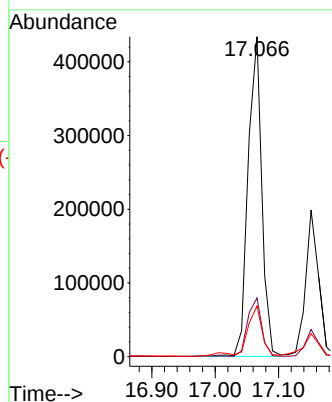
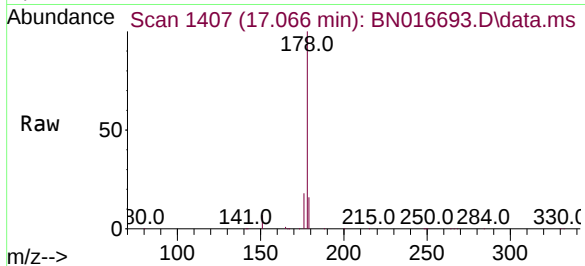




#25
Phenanthrene
Concen: 1.265 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

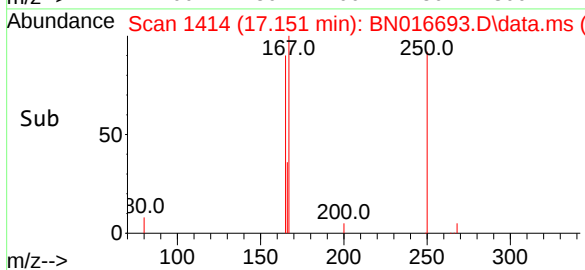
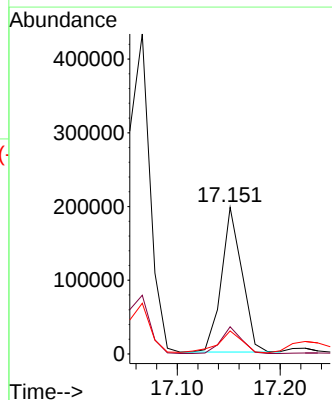
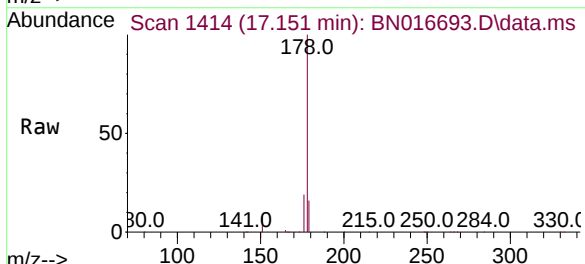
Instrument :
BNA_N
ClientSampled :

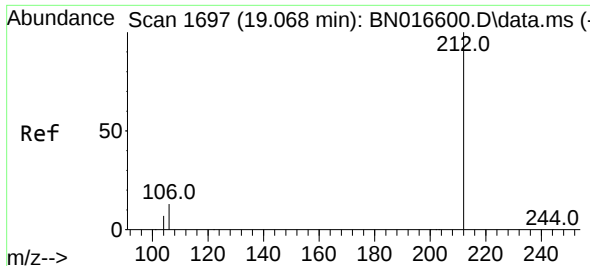
Tgt Ion:178 Resp: 653505
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 14.8 12.2 18.4



#26
Anthracene
Concen: 0.613 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:178 Resp: 273214
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 17.5 12.2 18.4

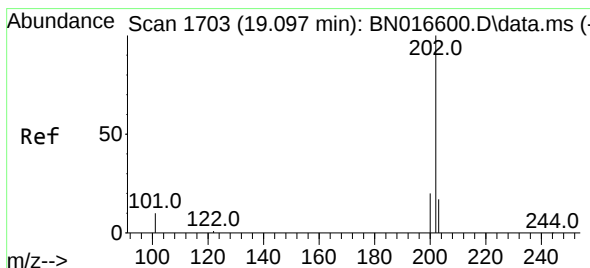
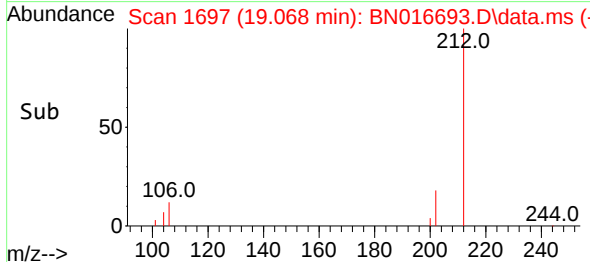
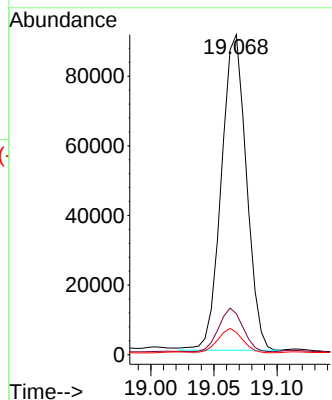
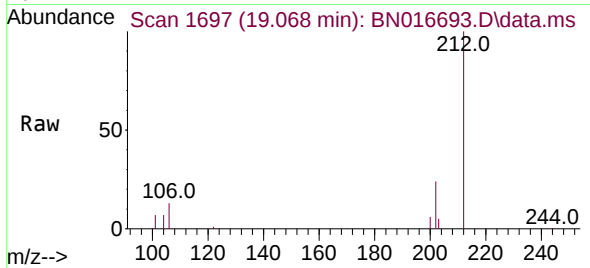




#27
Fluoranthene-d10
Concen: 0.274 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

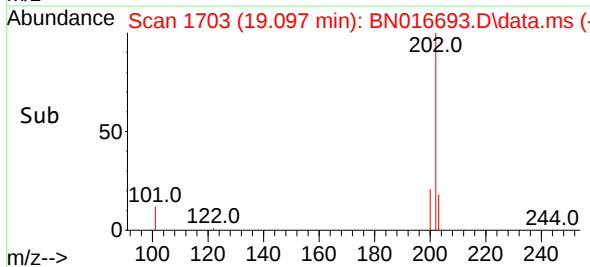
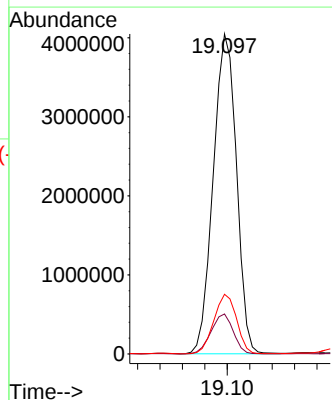
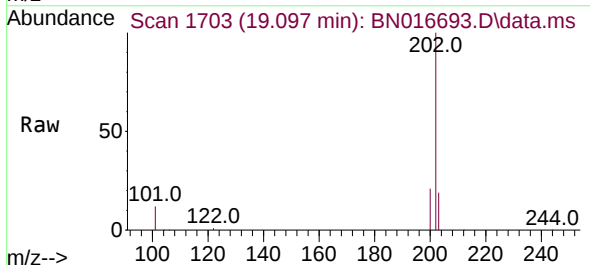
Instrument :
BNA_N
ClientSampleId :

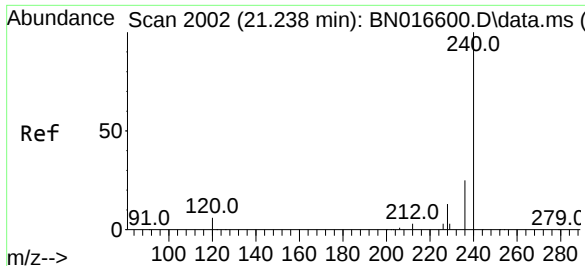
Tgt Ion:212 Resp: 124835
Ion Ratio Lower Upper
212 100
106 13.2 10.6 16.0
104 7.6 5.9 8.9



#28
Fluoranthene
Concen: 10.446 ng
RT: 19.097 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:202 Resp: 5825385
Ion Ratio Lower Upper
202 100
101 12.0 9.0 13.4
203 18.2 13.8 20.6

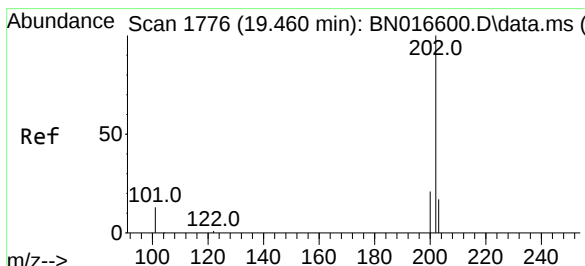
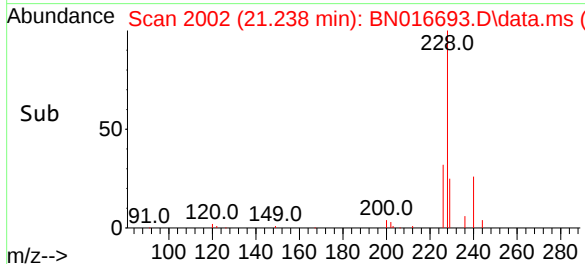
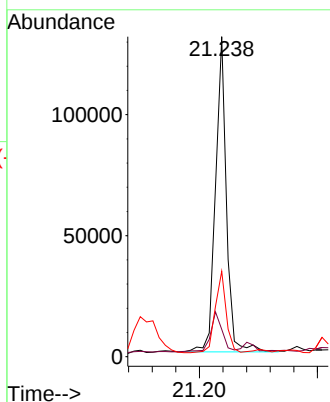
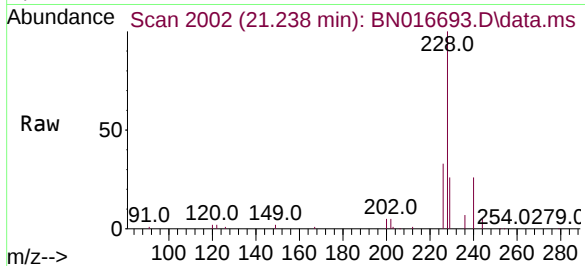




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

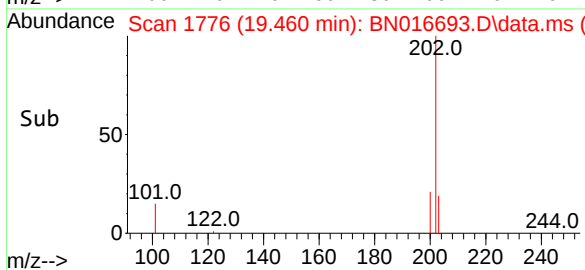
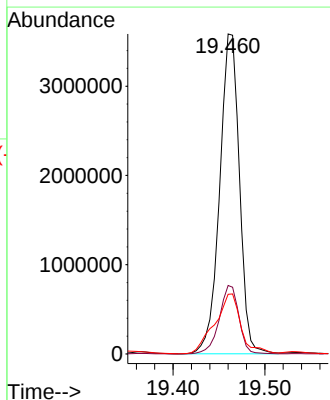
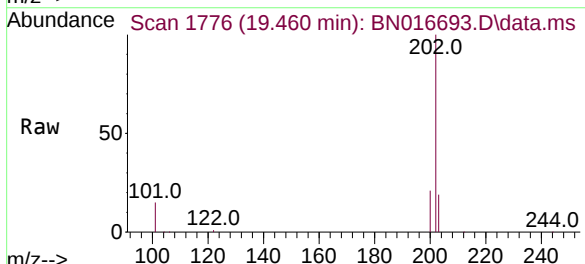
Instrument :
BNA_N
ClientSampleId :

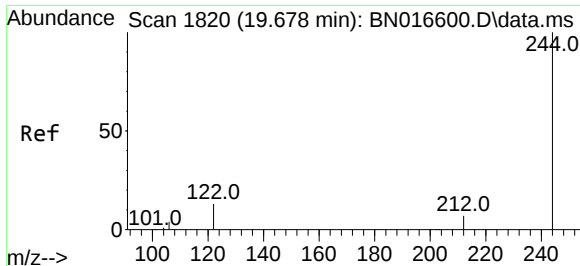
Tgt Ion:240 Resp: 167415
Ion Ratio Lower Upper
240 100
120 8.5 5.0 7.4#
236 26.7 20.4 30.6



#30
Pyrene
Concen: 9.930 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:202 Resp: 5378781
Ion Ratio Lower Upper
202 100
200 21.2 16.5 24.7
203 24.6 14.0 21.0#

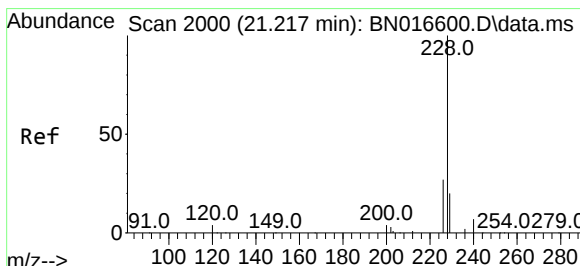
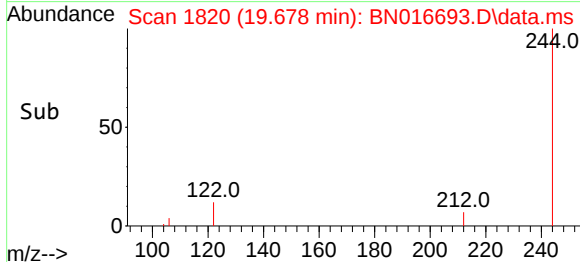
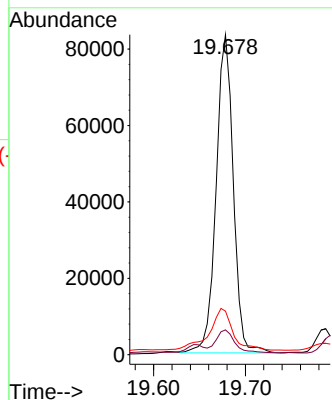
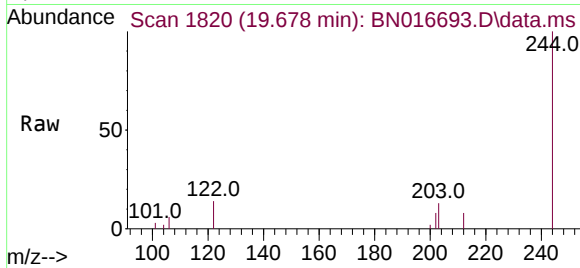




#31
 Terphenyl-d14
 Concen: 0.297 ng
 RT: 19.678 min Scan# 1820
 Delta R.T. 0.000 min
 Lab File: BN016693.D
 Acq: 03 Oct 2021 05:48

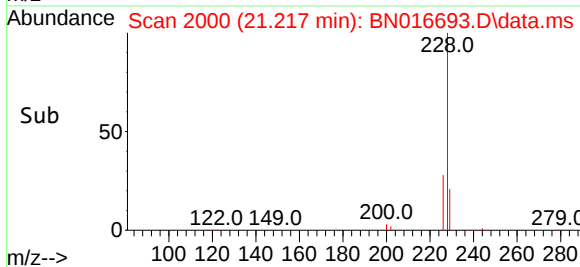
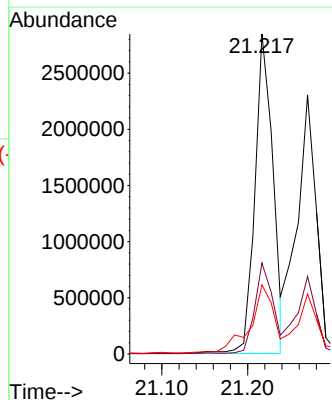
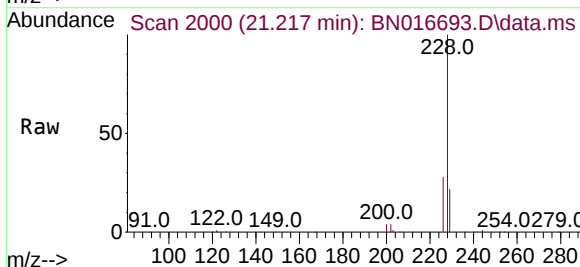
Instrument :
 BNA_N
 ClientSampled :

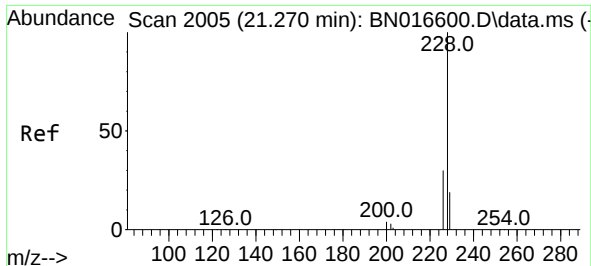
Tgt Ion:244 Resp: 108292
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.6 10.1 15.1



#32
 Benzo(a)anthracene
 Concen: 8.117 ng
 RT: 21.217 min Scan# 2000
 Delta R.T. 0.000 min
 Lab File: BN016693.D
 Acq: 03 Oct 2021 05:48

Tgt Ion:228 Resp: 4171265
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.9 32.9
 229 21.6 15.7 23.5

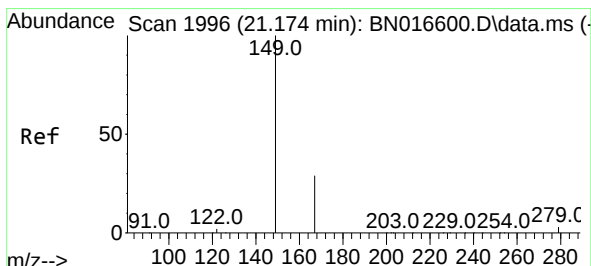
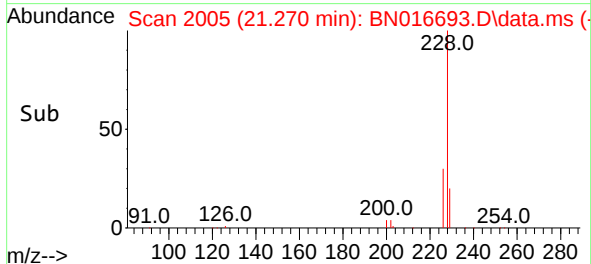
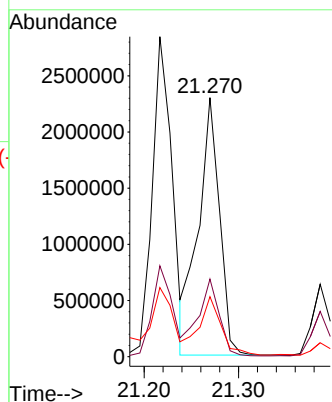
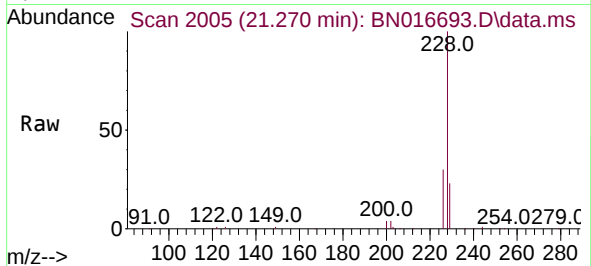




#33
Chrysene
Concen: 6.905 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

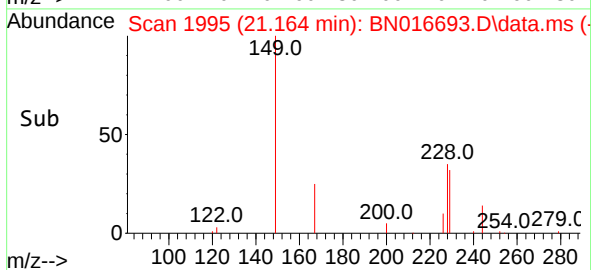
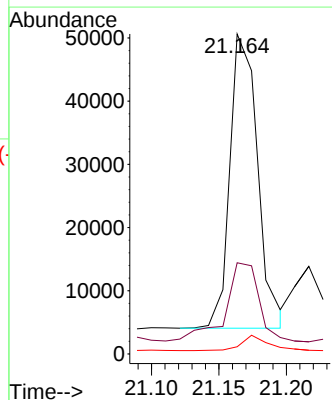
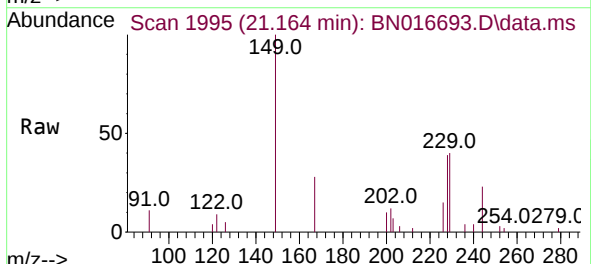
Instrument :
BNA_N
ClientSampled :

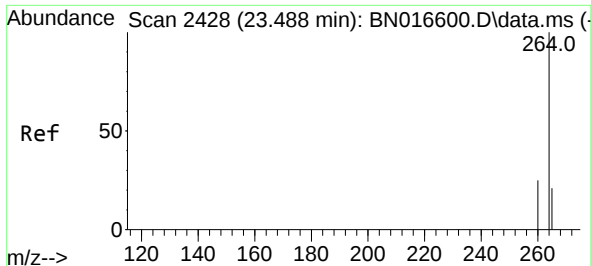
Tgt Ion:228 Resp: 3592450
Ion Ratio Lower Upper
228 100
226 30.0 23.7 35.5
229 23.2 15.5 23.3



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.325 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.011 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:149 Resp: 66525
Ion Ratio Lower Upper
149 100
167 33.1 22.2 33.4
279 5.1 3.2 4.8#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.491 min Scan# 2429

Delta R.T. 0.004 min

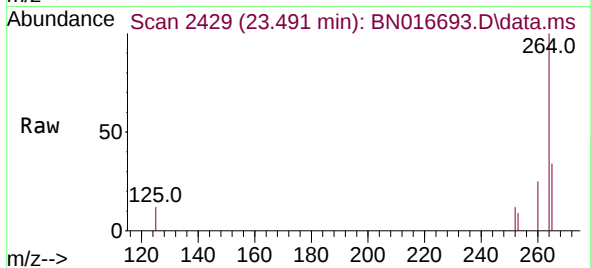
Lab File: BN016693.D

Acq: 03 Oct 2021 05:48

Instrument :

BNA_N

ClientSampled :



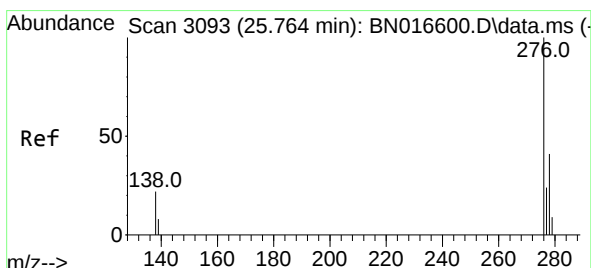
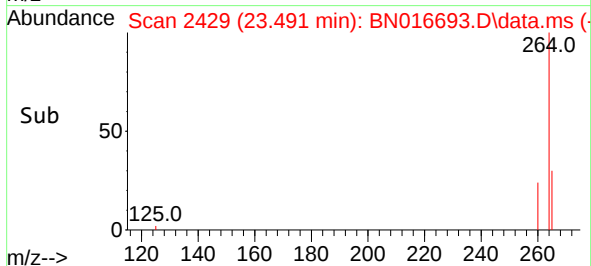
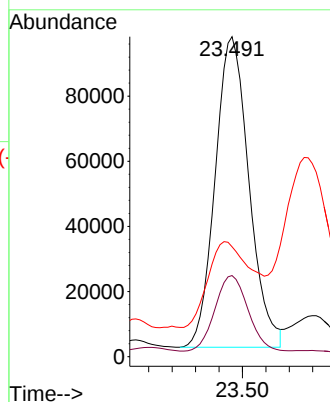
Tgt Ion:264 Resp: 191385

Ion Ratio Lower Upper

264 100

260 25.3 19.9 29.9

265 34.4 19.2 28.8#



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.444 ng

RT: 25.778 min Scan# 3097

Delta R.T. 0.014 min

Lab File: BN016693.D

Acq: 03 Oct 2021 05:48

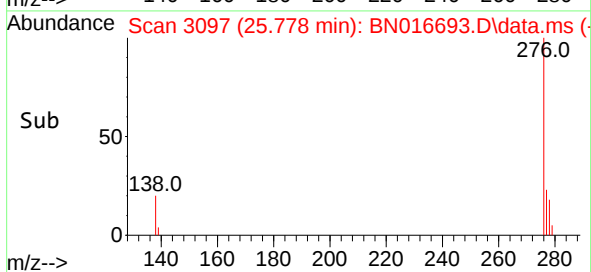
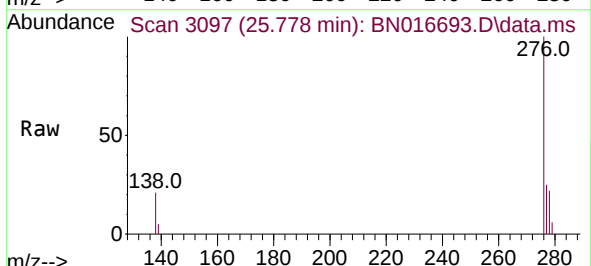
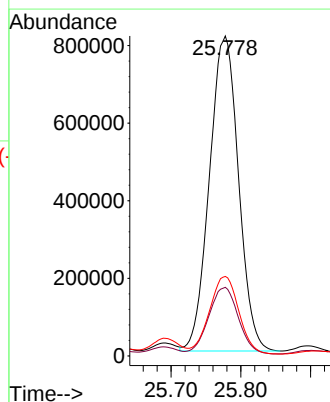
Tgt Ion:276 Resp: 2351581

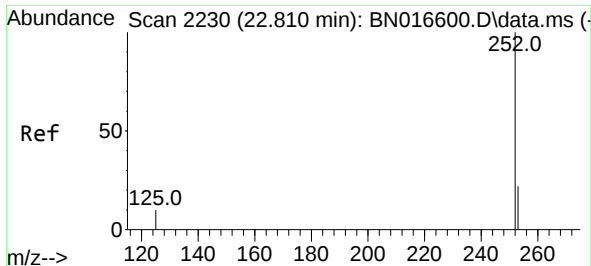
Ion Ratio Lower Upper

276 100

138 21.6 19.5 29.3

277 24.9 19.9 29.9

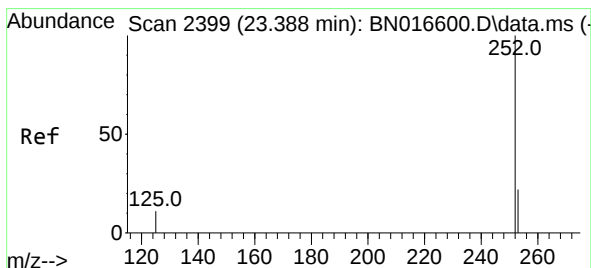
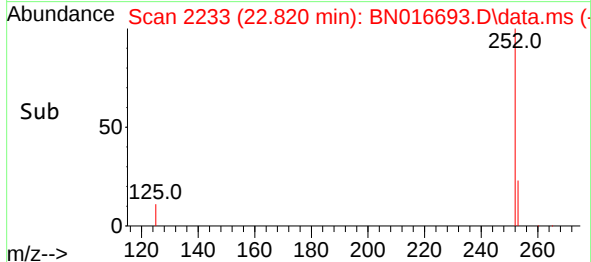
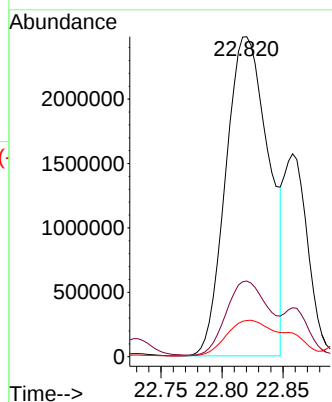
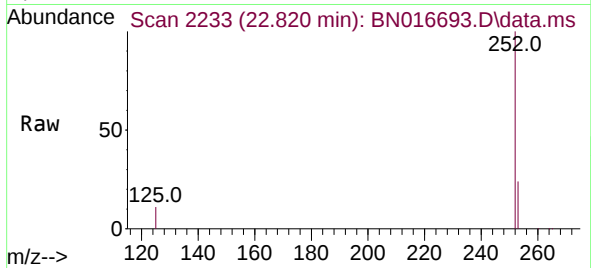




#37
Benzo(b)fluoranthene
Concen: 9.875 ng
RT: 22.820 min Scan# 2233
Delta R.T. 0.010 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

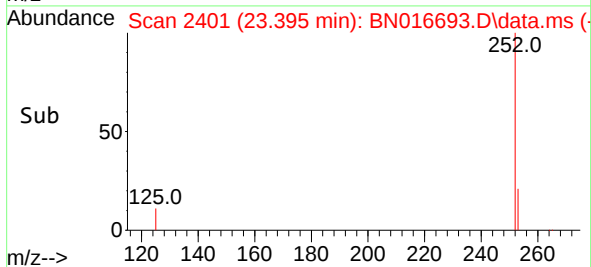
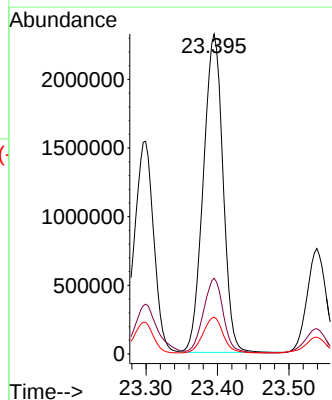
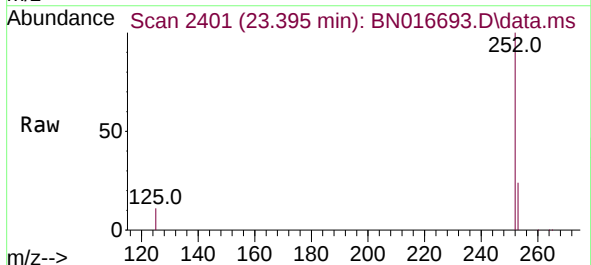
Instrument :
BNA_N
ClientSampleId :

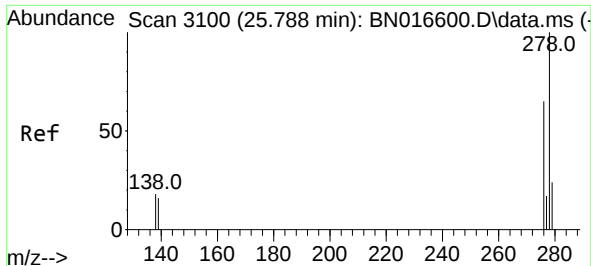
Tgt Ion:252 Resp: 6073211
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 11.3 8.0 12.0



#39
Benzo(a)pyrene
Concen: 8.080 ng
RT: 23.395 min Scan# 2401
Delta R.T. 0.007 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:252 Resp: 4426090
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 11.5 9.0 13.4

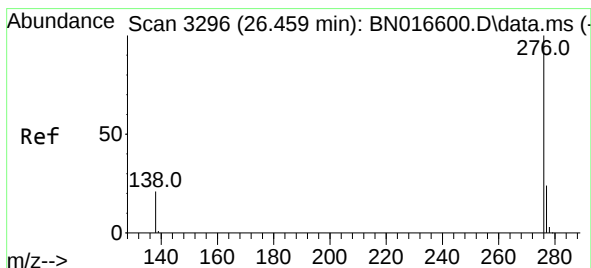
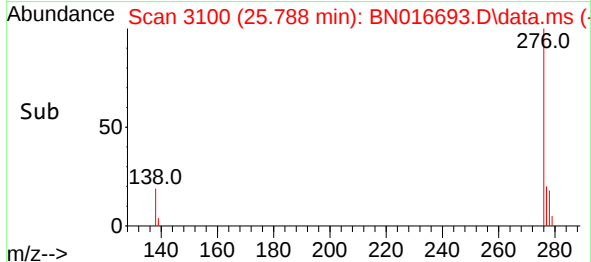
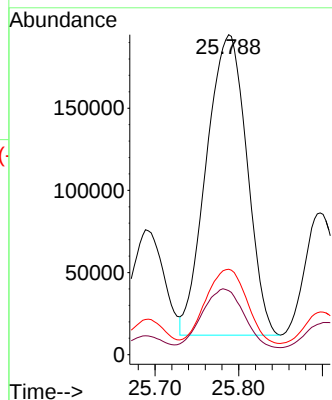
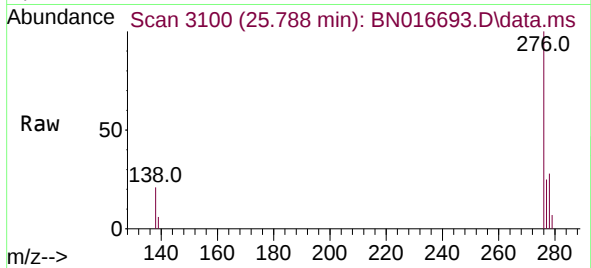




#40
Dibenzo(a,h)anthracene
Concen: 1.114 ng
RT: 25.788 min Scan# 3100
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Instrument :
BNA_N
ClientSampled :

Tgt Ion:278 Resp: 613722
Ion Ratio Lower Upper
278 100
139 20.0 13.1 19.7#
279 26.7 19.1 28.7



#41
Benzo(g,h,i)perylene
Concen: 3.487 ng
RT: 26.479 min Scan# 3302
Delta R.T. 0.021 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:276 Resp: 2105542
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 21.7 16.9 25.3

