

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016698.D
 Acq On : 03 Oct 2021 08:48
 Operator : CG/JU
 Sample : M3892-18
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 04 03:37:45 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)

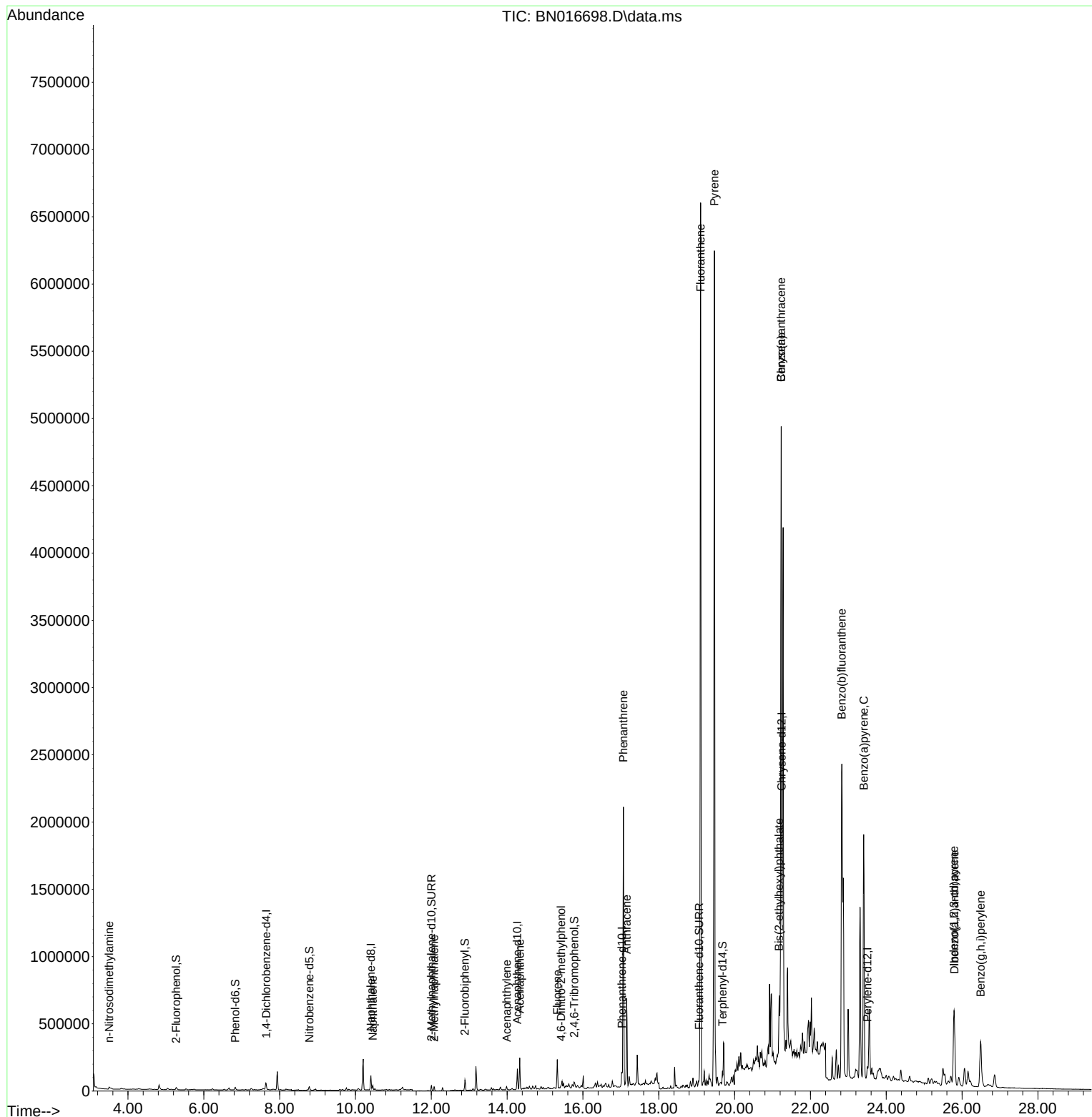
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	30709	0.400	ng	0.00
7) Naphthalene-d8	10.406	136	142548	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	81898	0.400	ng	0.00
19) Phenanthrene-d10	17.029	188	157023	0.400	ng	# 0.00
29) Chrysene-d12	21.238	240	146277	0.400	ng	# 0.00
35) Perylene-d12	23.505	264	116436	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.272	112	20261	0.259	ng	0.02
5) Phenol-d6	6.831	99	21388	0.250	ng	0.00
8) Nitrobenzene-d5	8.784	82	24738	0.266	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	52563	0.249	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	11990	0.322	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	65189	0.197	ng	-0.01
27) Fluoranthene-d10	19.068	212	99840	0.239	ng	0.00
31) Terphenyl-d14	19.678	244	85589	0.269	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.502	42	5315	0.234	ng	# 1
9) Naphthalene	10.457	128	48242	0.125	ng	99
12) 2-Methylnaphthalene	12.074	142	21868	0.088	ng	98
16) Acenaphthylene	13.989	152	24716	0.069	ng	# 93
17) Acenaphthene	14.332	154	110792	0.459	ng	99
18) Fluorene	15.322	166	129855	0.455	ng	97
20) 4,6-Dinitro-2-methylph...	15.423	198	121	0.142	ng	# 1
25) Phenanthrene	17.066	178	2051590	4.342	ng	99
26) Anthracene	17.151	178	688808	1.688	ng	# 96
28) Fluoranthene	19.102	202	6252427	12.257	ng	98
30) Pyrene	19.465	202	6048464	12.780	ng	# 90
32) Benzo(a)anthracene	21.227	228	4434927	9.878	ng	97
33) Chrysene	21.227	228	4202034	9.243	ng	95
34) Bis(2-ethylhexyl)phtha...	21.174	149	374249	2.091	ng	99
36) Indeno(1,2,3-cd)pyrene	25.788	276	897625	2.161	ng	97
37) Benzo(b)fluoranthene	22.827	252	4146605	11.082	ng	# 96
39) Benzo(a)pyrene	23.406	252	2609791	7.831	ng	96
40) Dibenzo(a,h)anthracene	25.798	278	268461	0.801	ng	# 80
41) Benzo(g,h,i)perylene	26.490	276	718299	1.955	ng	96

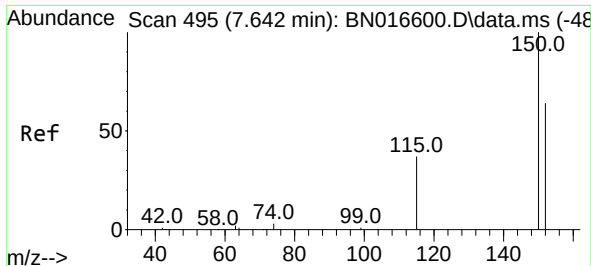
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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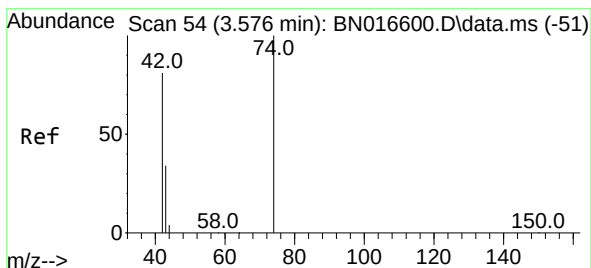
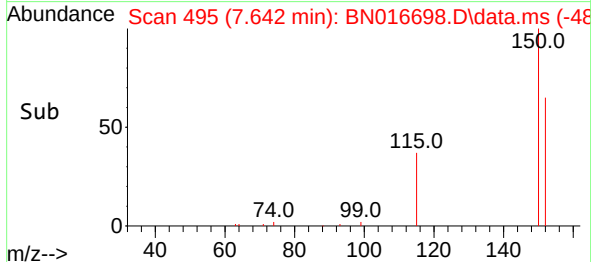
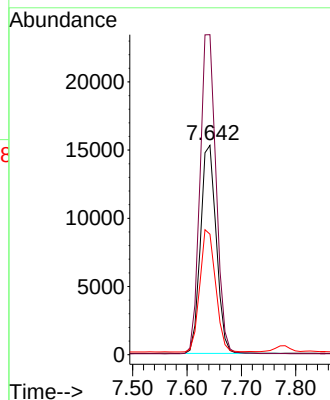
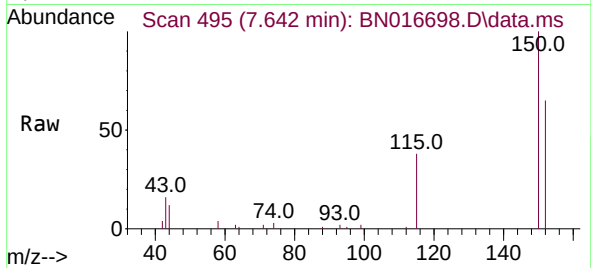




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

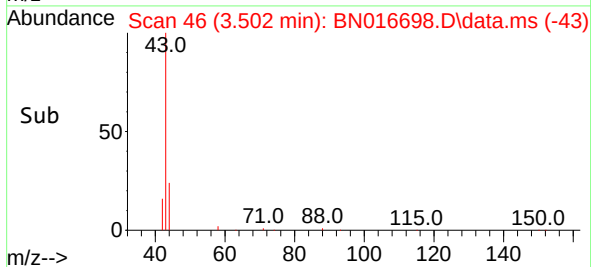
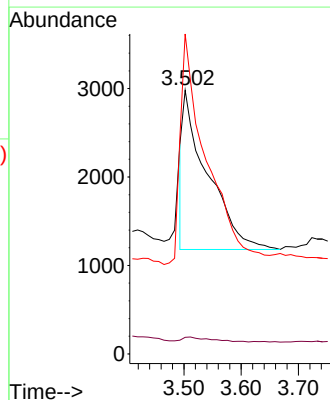
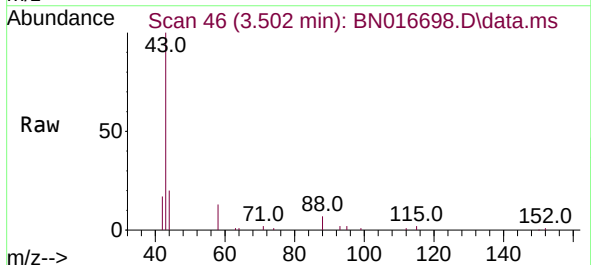
Instrument :
BNA_N
ClientSampleId :

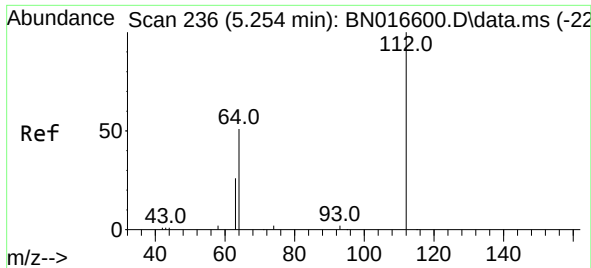
Tgt Ion:152 Resp: 30709
Ion Ratio Lower Upper
152 100
150 152.9 124.6 186.8
115 57.6 46.5 69.7



#3
n-Nitrosodimethylamine
Concen: 0.234 ng
RT: 3.502 min Scan# 46
Delta R.T. -0.074 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion: 42 Resp: 5315
Ion Ratio Lower Upper
42 100
74 3.4 121.6 182.4#
44 123.6 6.3 9.5#

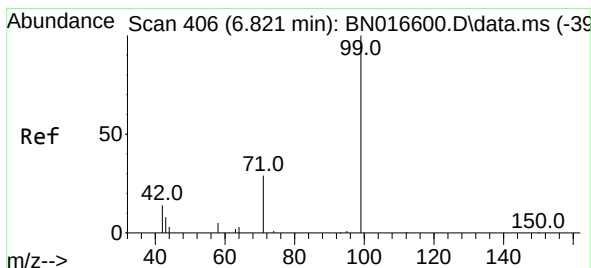
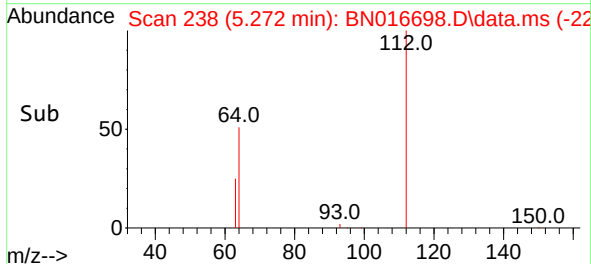
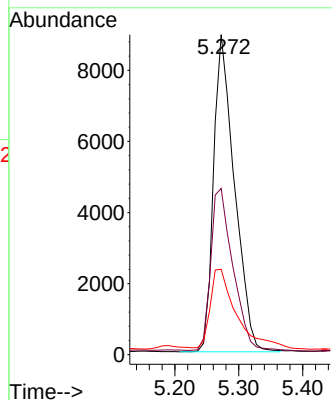
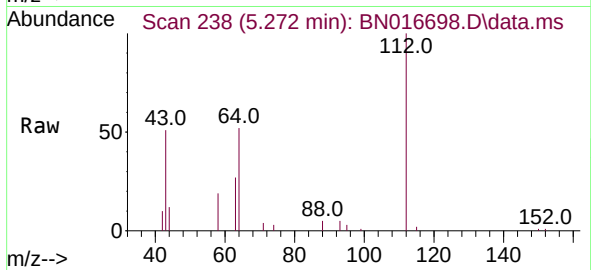




#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.272 min Scan# 238
Delta R.T. 0.018 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

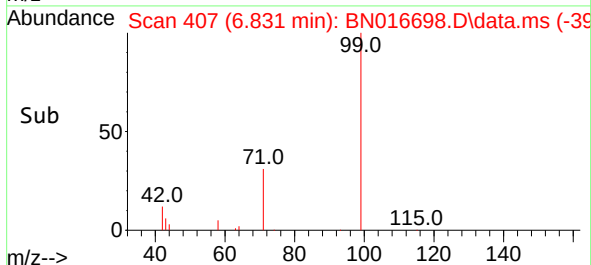
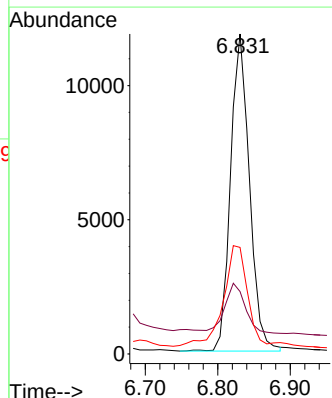
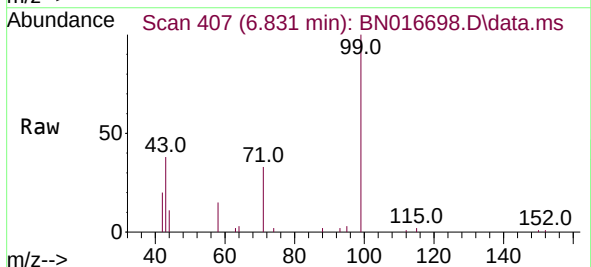
Instrument :
BNA_N
ClientSampled :

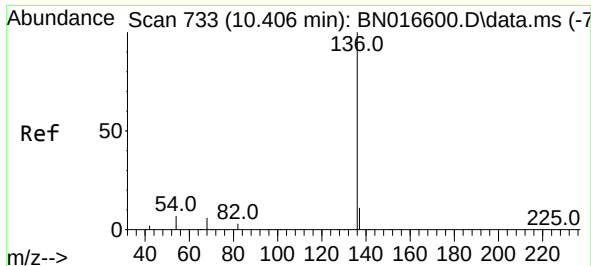
Tgt Ion:112 Resp: 20261
Ion Ratio Lower Upper
112 100
64 53.7 43.1 64.7
63 30.1 21.6 32.4



#5
Phenol-d6
Concen: 0.250 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion: 99 Resp: 21388
Ion Ratio Lower Upper
99 100
42 17.0 13.0 19.6
71 40.5 23.5 35.3#

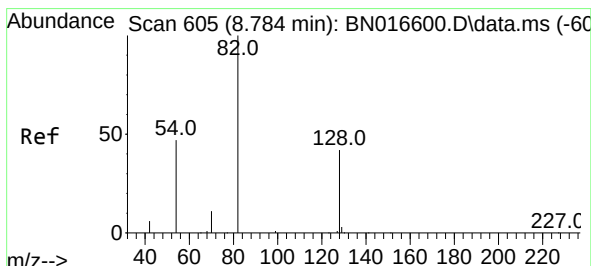
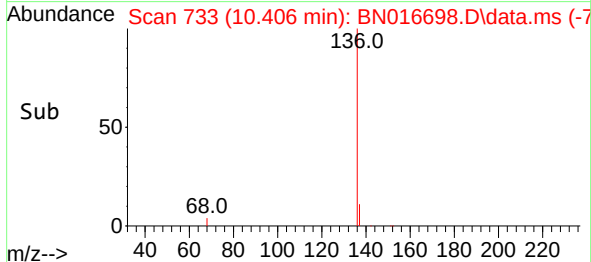
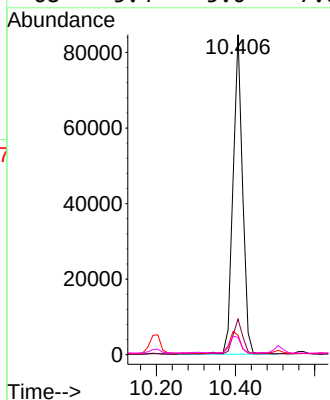
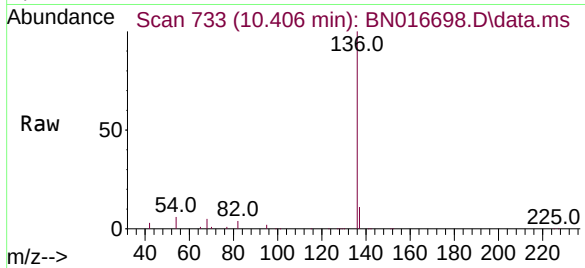




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.406 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

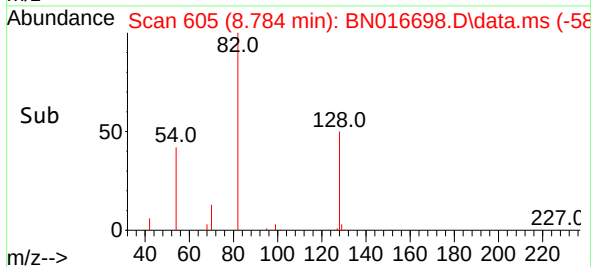
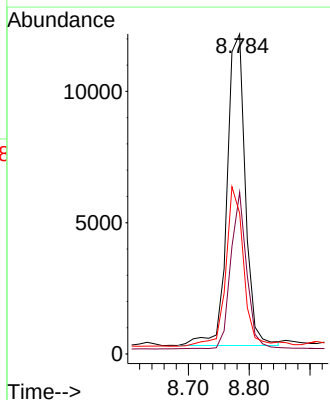
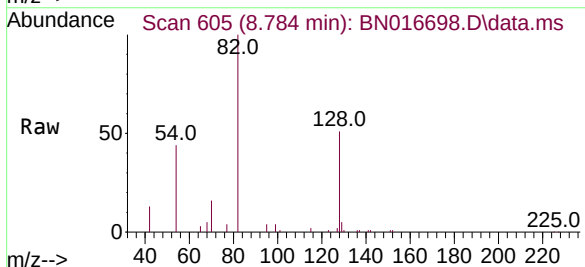
Instrument :
BNA_N
ClientSampled :

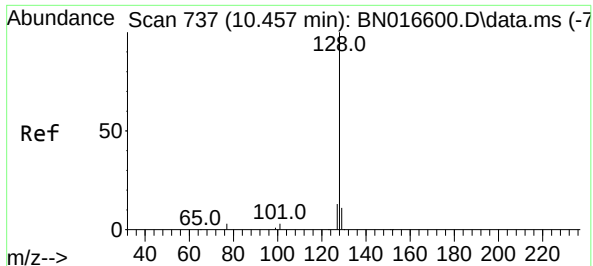
Tgt Ion:136	Resp:	142548
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.7 13.1
54	6.1	5.9 8.9
68	5.4	5.0 7.6



#8
Nitrobenzene-d5
Concen: 0.266 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion: 82	Resp:	24738
Ion Ratio	Lower	Upper
82	100	
128	50.5	33.6 50.4#
54	44.0	37.6 56.4

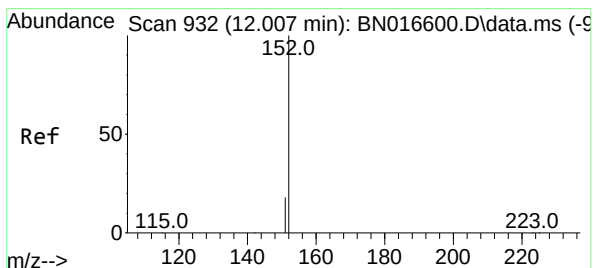
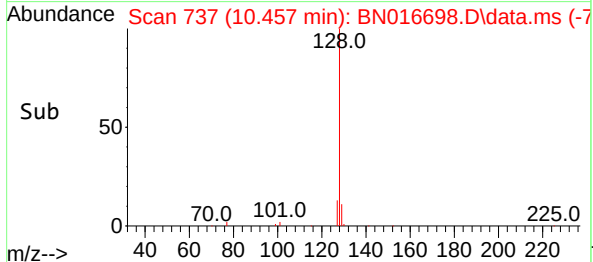
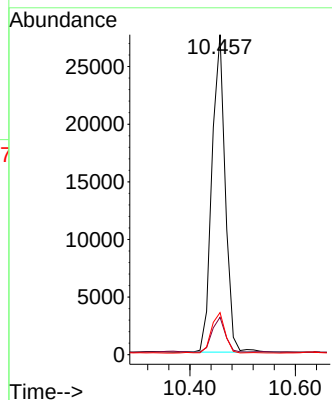
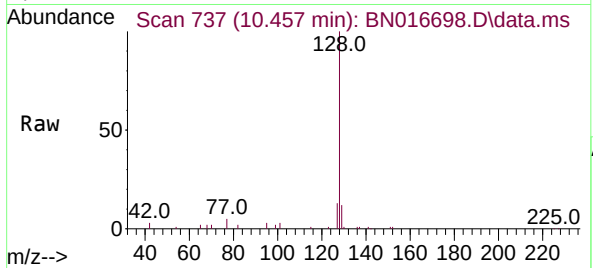




#9
Naphthalene
Concen: 0.125 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

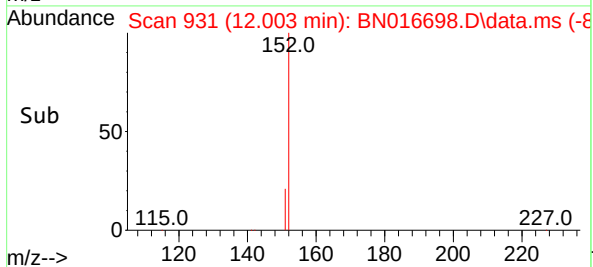
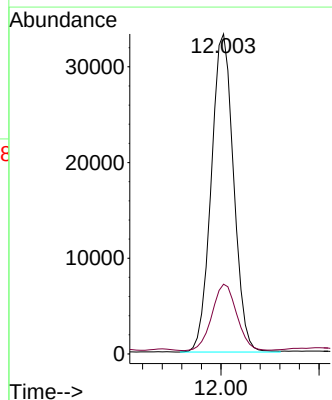
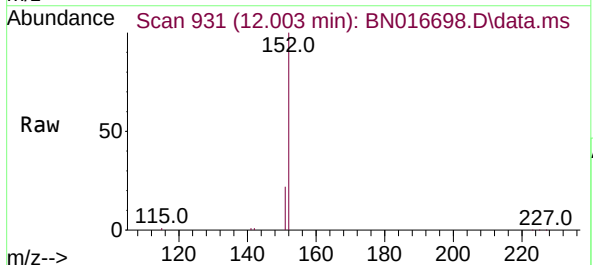
Instrument :
BNA_N
ClientSampleId :

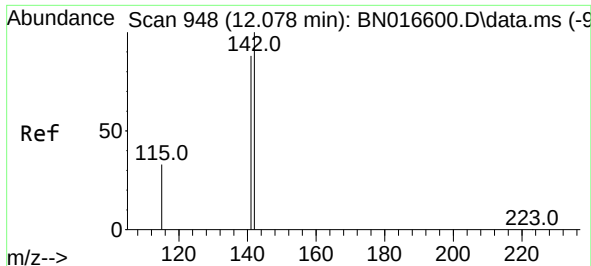
Tgt Ion:128 Resp: 48242
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.2 10.3 15.5



#11
2-Methylnaphthalene-d10
Concen: 0.249 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:152 Resp: 52563
Ion Ratio Lower Upper
152 100
151 23.3 16.2 24.4

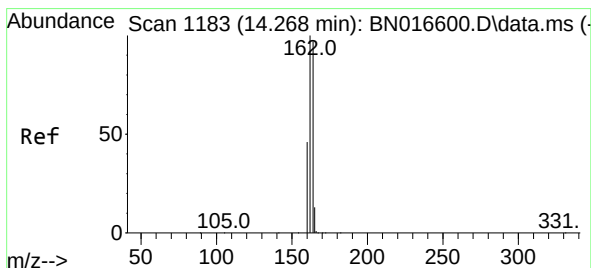
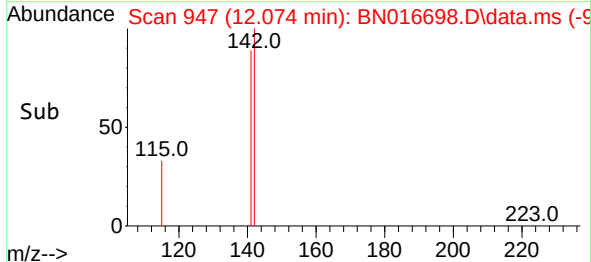
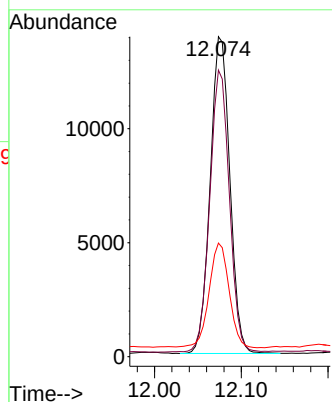
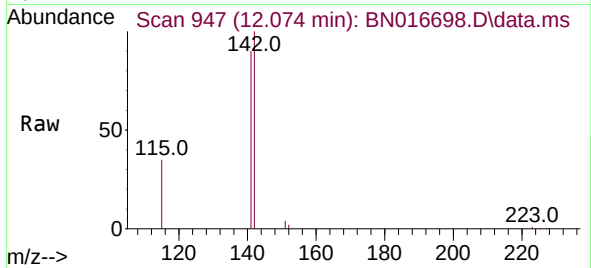




#12
2-Methylnaphthalene
Concen: 0.088 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.004 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

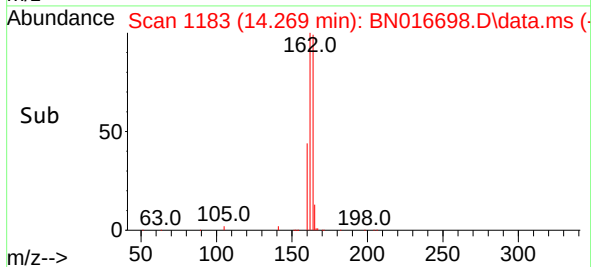
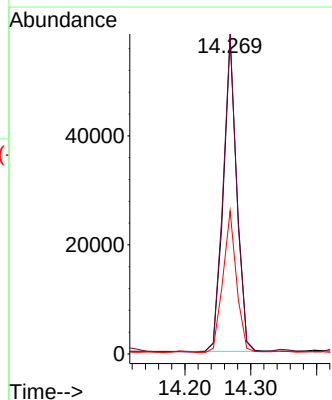
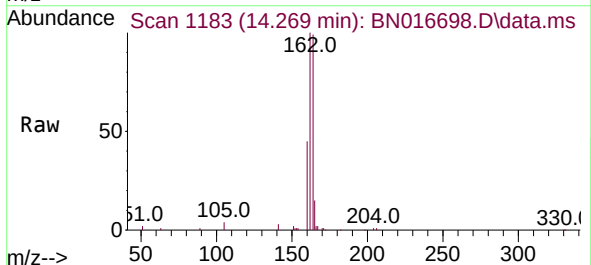
Instrument :
BNA_N
ClientSampleId :

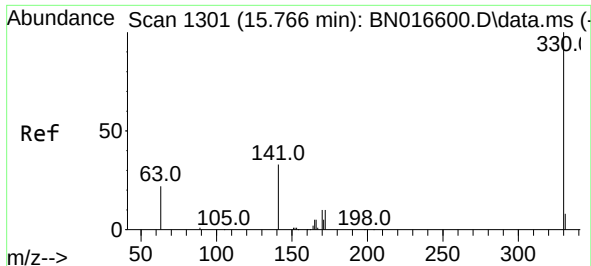
Tgt Ion:142 Resp: 21868
Ion Ratio Lower Upper
142 100
141 89.6 70.6 105.8
115 35.5 26.6 39.8



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:164 Resp: 81898
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.2
160 45.3 37.7 56.5

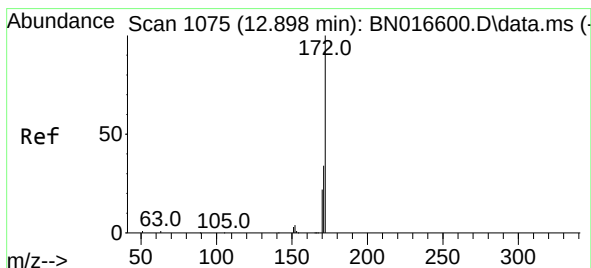
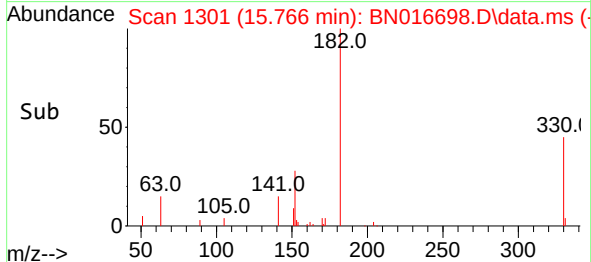
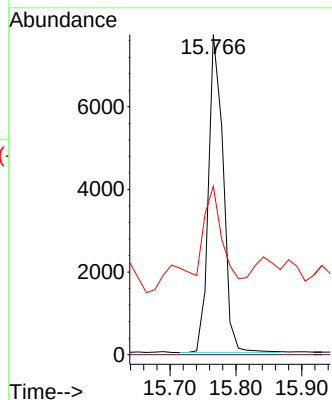
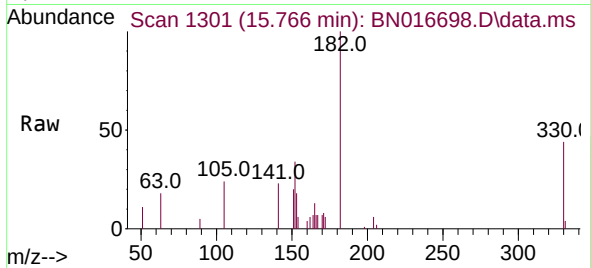




#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

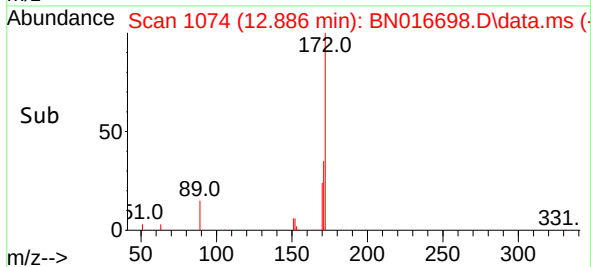
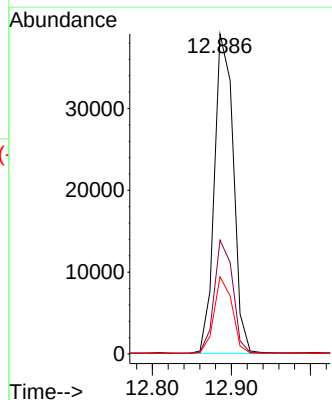
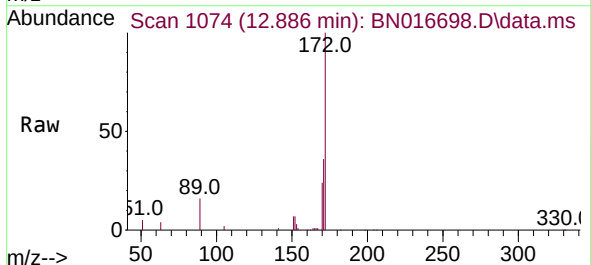
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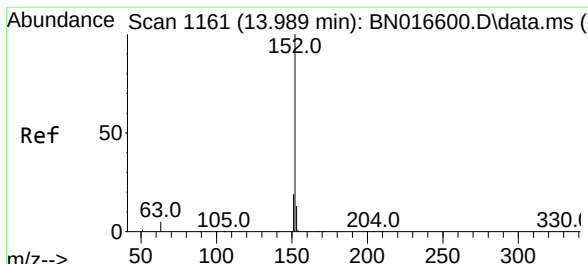
Tgt Ion:330 Resp: 11990
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 32.6 25.2 37.8



#15
2-Fluorobiphenyl
Concen: 0.197 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:172 Resp: 65189
Ion Ratio Lower Upper
172 100
171 35.5 27.0 40.4
170 24.1 17.4 26.2

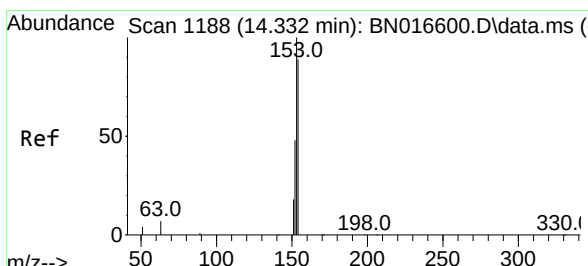
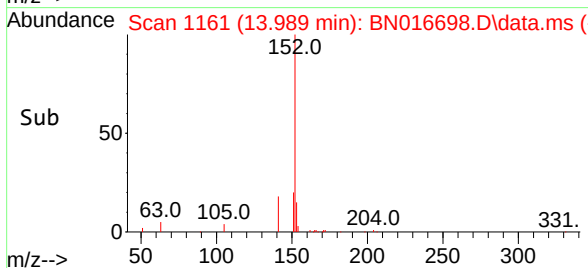
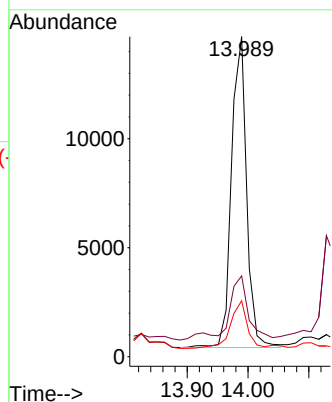
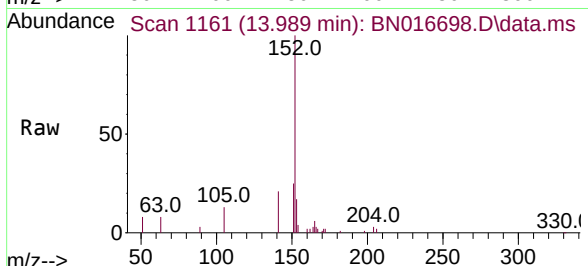




#16
 Acenaphthylene
 Concen: 0.069 ng
 RT: 13.989 min Scan# 1161
 Delta R.T. 0.000 min
 Lab File: BN016698.D
 Acq: 03 Oct 2021 08:48

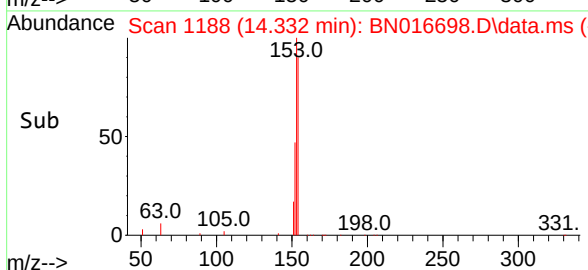
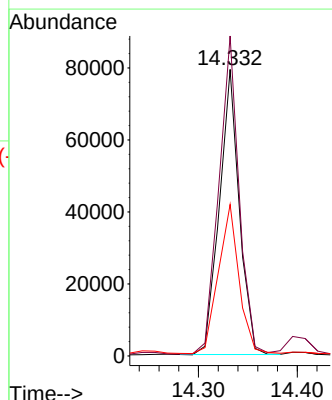
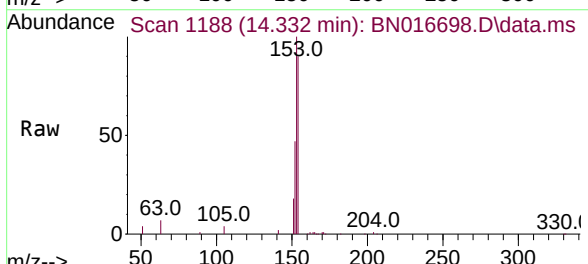
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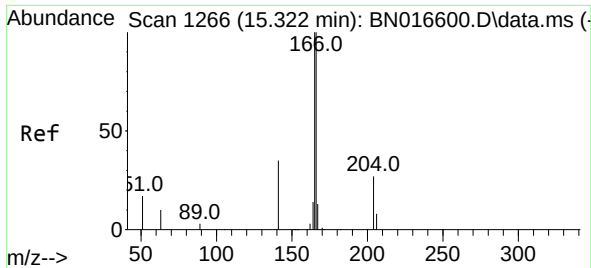
Tgt Ion:152	Resp:	24716
Ion Ratio	Lower	Upper
152	100	
151	21.3	15.5 23.3
153	17.0	10.4 15.6#



#17
 Acenaphthene
 Concen: 0.459 ng
 RT: 14.332 min Scan# 1188
 Delta R.T. 0.000 min
 Lab File: BN016698.D
 Acq: 03 Oct 2021 08:48

Tgt Ion:154	Resp:	110792
Ion Ratio	Lower	Upper
154	100	
153	113.0	90.2 135.2
152	53.8	44.0 66.0

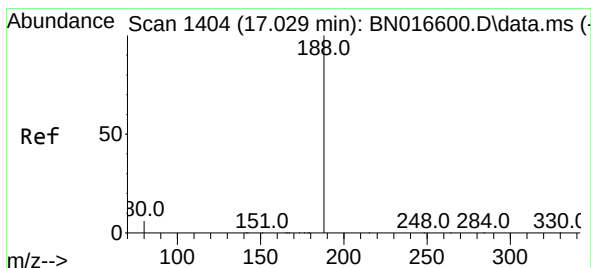
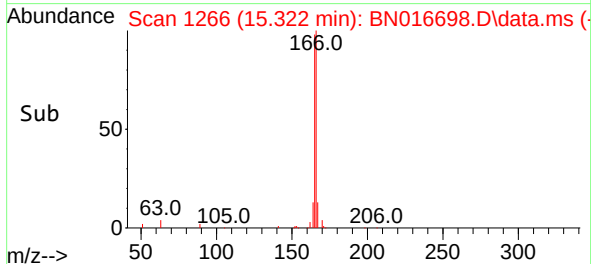
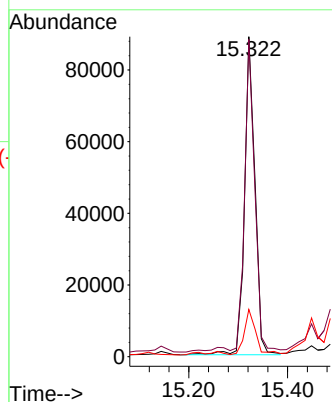
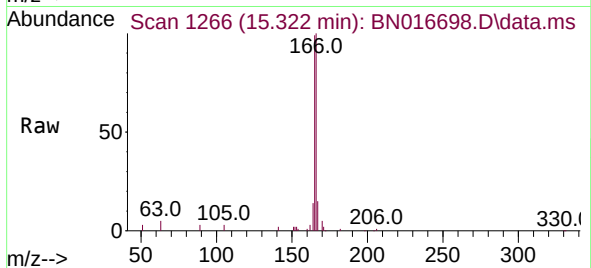




#18
Fluorene
Concen: 0.455 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

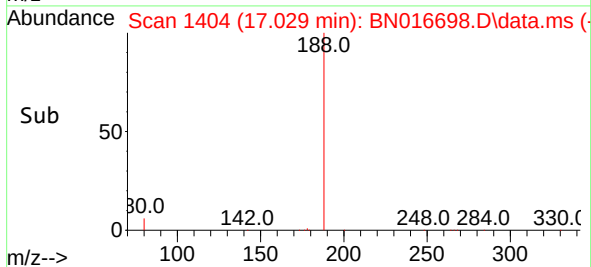
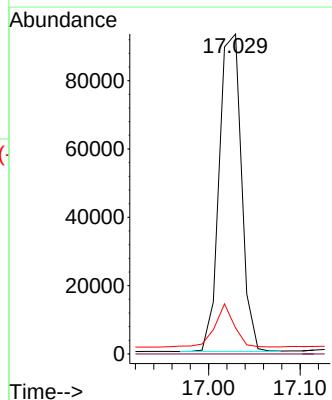
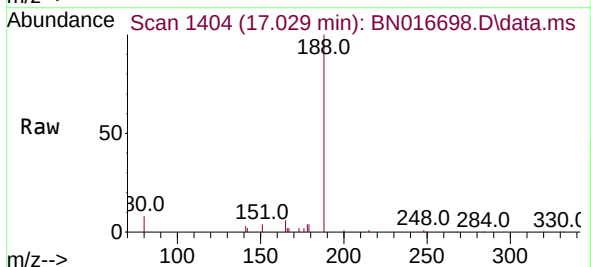
Instrument :
BNA_N
ClientSampleId :

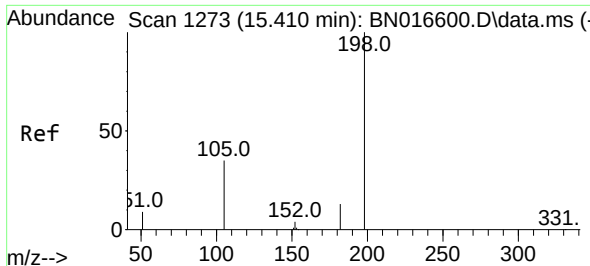
Tgt Ion:166 Resp: 129855
Ion Ratio Lower Upper
166 100
165 94.5 77.9 116.9
167 15.5 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.029 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:188 Resp: 157023
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.1 5.0 7.6#

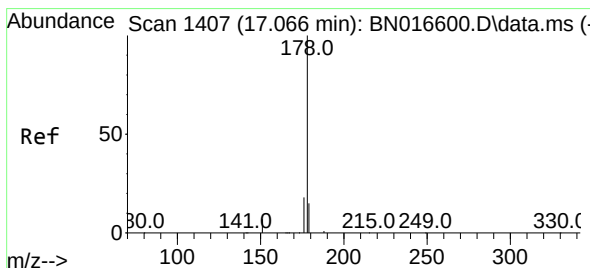
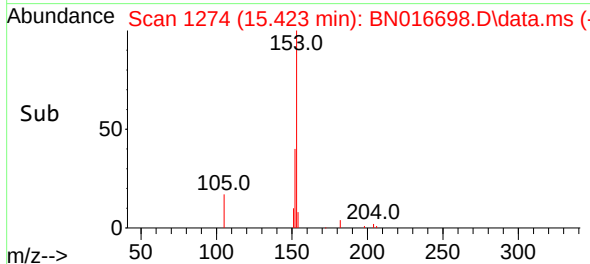
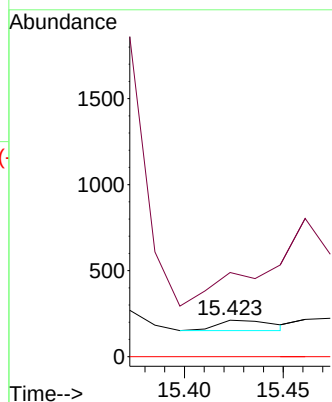
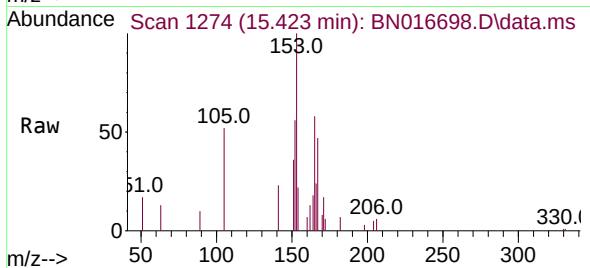




#20
4,6-Dinitro-2-methylphenol
Concen: 0.142 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.013 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

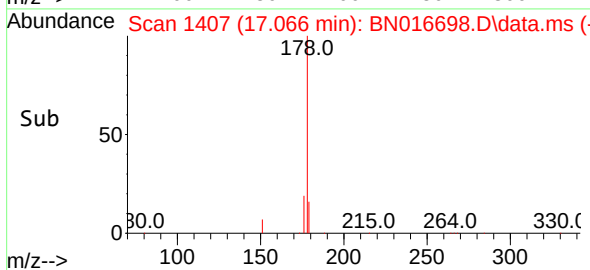
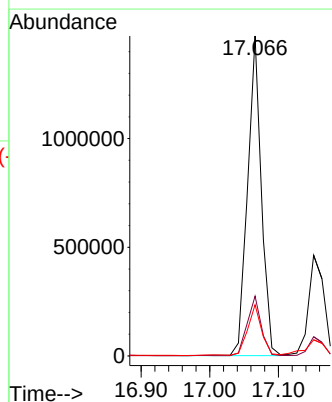
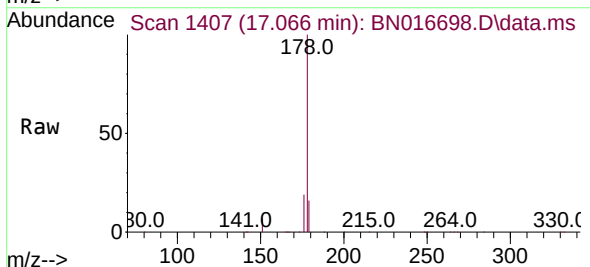
Instrument :
BNA_N
ClientSampleId :

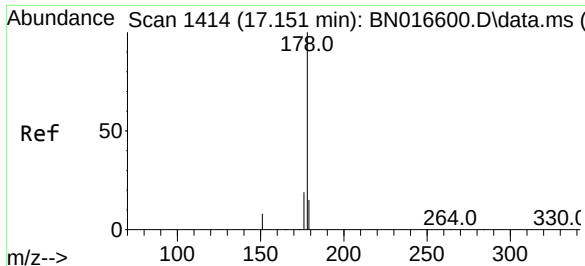
Tgt Ion:198 Resp: 121
Ion Ratio Lower Upper
198 100
182 230.7 11.8 17.8#
77 0.0 0.0 0.0



#25
Phenanthrene
Concen: 4.342 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:178 Resp: 2051590
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 16.2 12.2 18.4

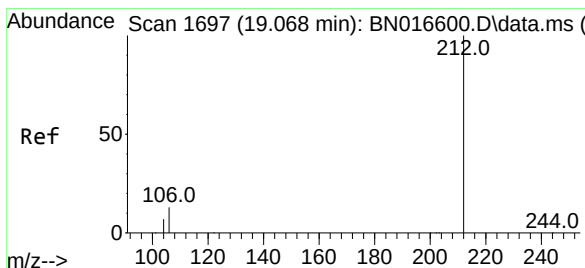
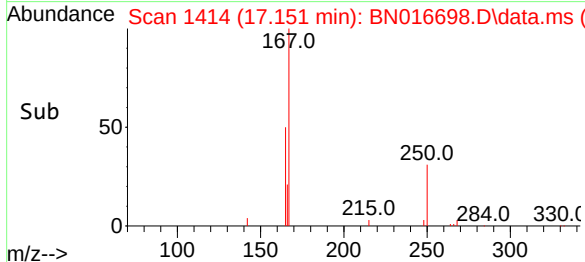
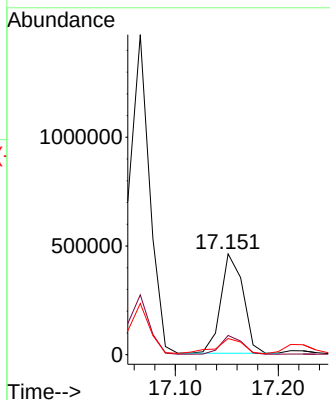
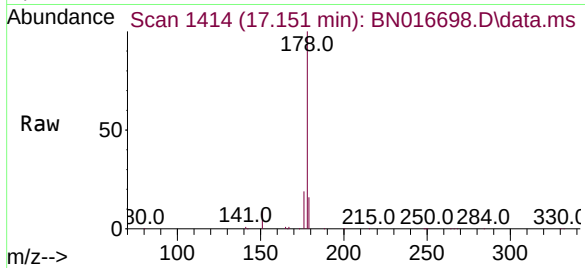




#26
 Anthracene
 Concen: 1.688 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016698.D
 Acq: 03 Oct 2021 08:48

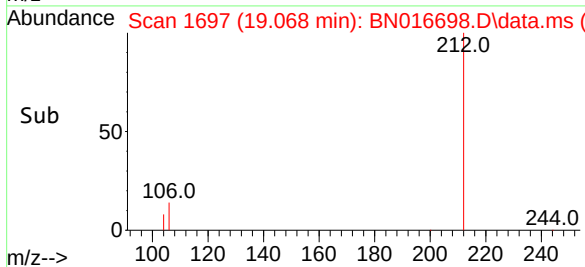
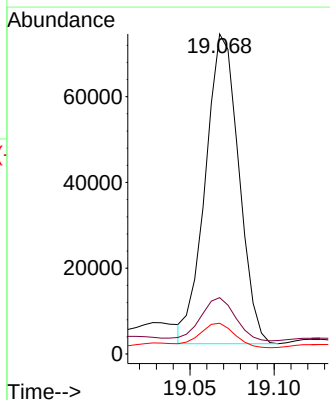
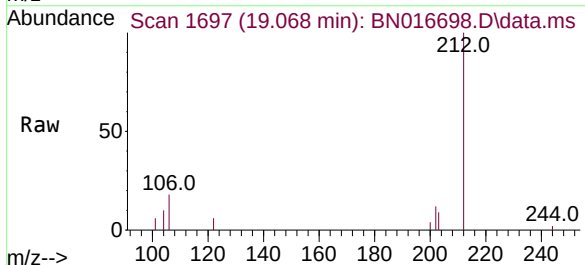
Instrument :
 BNA_N
 ClientSampleId :

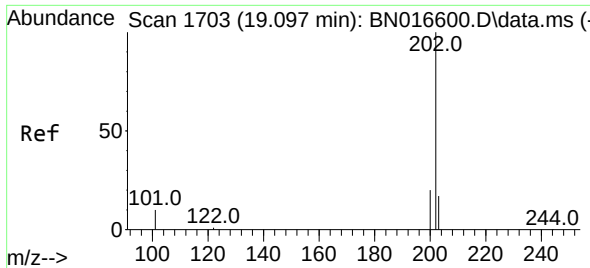
Tgt Ion:178 Resp: 688808
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 21.8
 179 18.8 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.239 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016698.D
 Acq: 03 Oct 2021 08:48

Tgt Ion:212 Resp: 99840
 Ion Ratio Lower Upper
 212 100
 106 14.5 10.6 16.0
 104 8.3 5.9 8.9

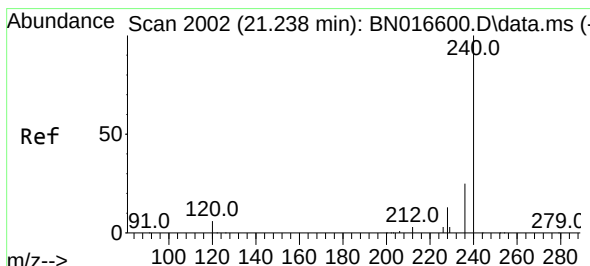
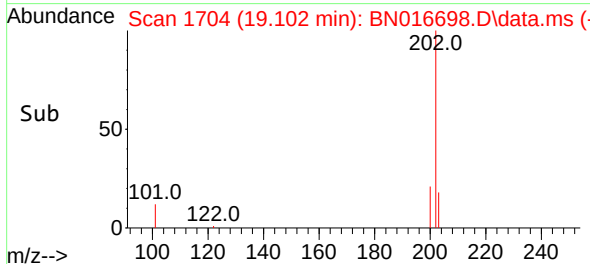
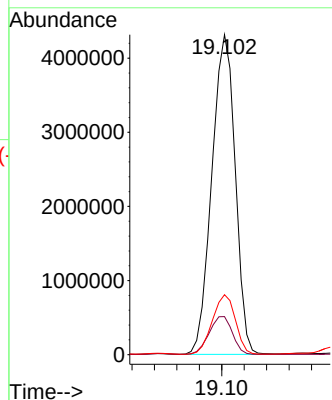
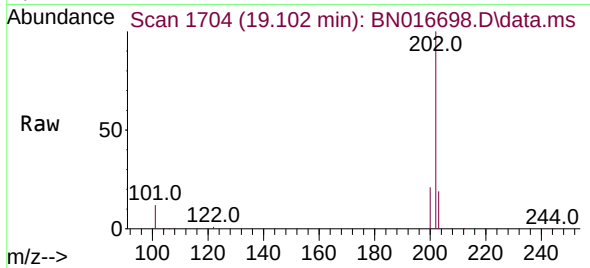




#28
Fluoranthene
Concen: 12.257 ng
RT: 19.102 min Scan# 1704
Delta R.T. 0.005 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

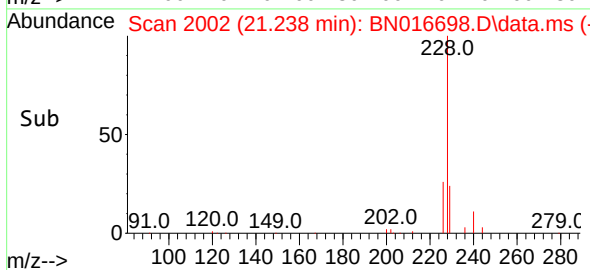
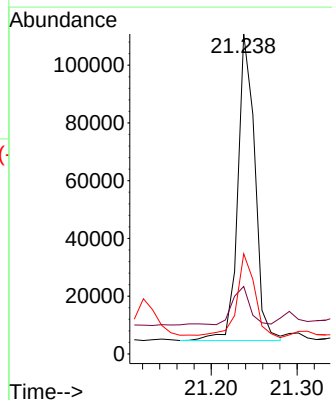
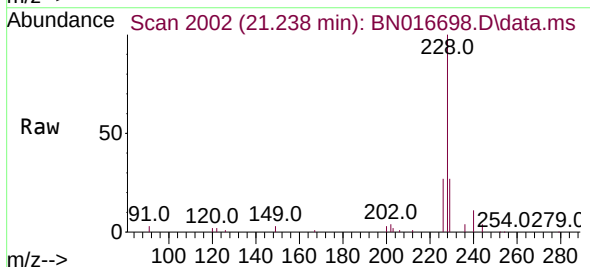
Instrument :
BNA_N
ClientSampleId :

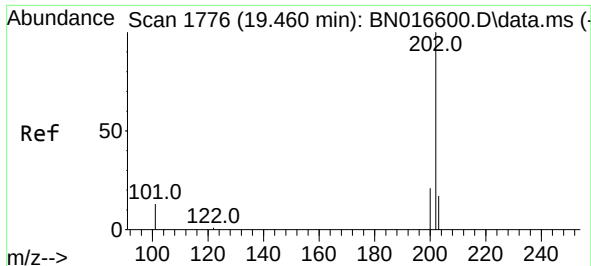
Tgt Ion:202 Resp: 6252427
Ion Ratio Lower Upper
202 100
101 11.8 9.0 13.4
203 18.3 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:240 Resp: 146277
Ion Ratio Lower Upper
240 100
120 21.1 5.0 7.4#
236 31.3 20.4 30.6#

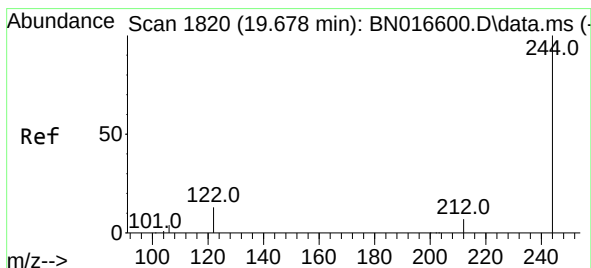
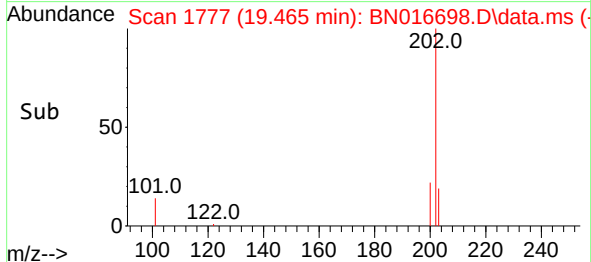
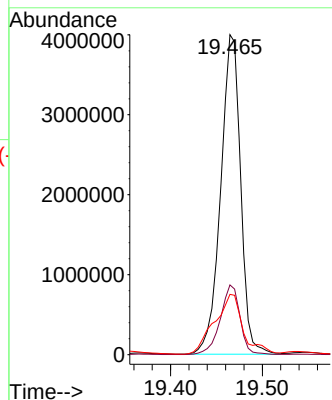
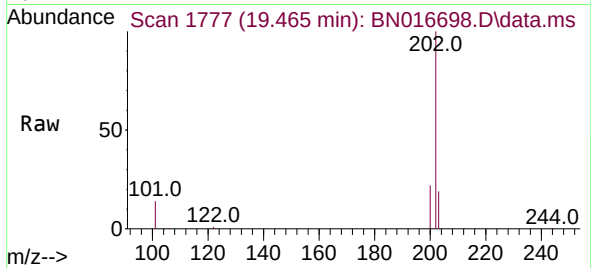




#30
Pyrene
Concen: 12.780 ng
RT: 19.465 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

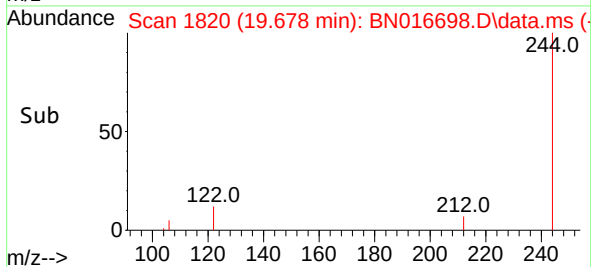
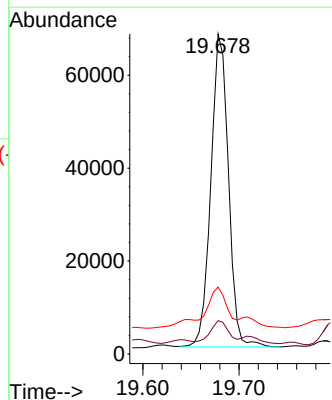
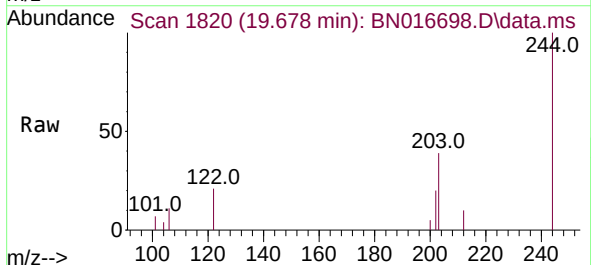
Instrument :
BNA_N
ClientSampled :

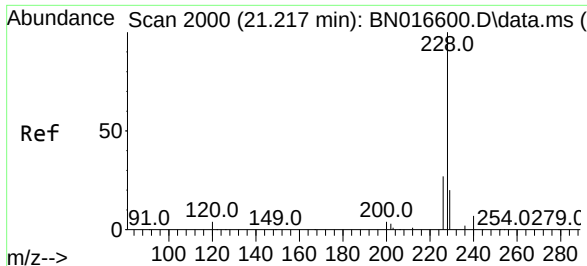
Tgt Ion:202 Resp: 6048464
Ion Ratio Lower Upper
202 100
200 21.4 16.5 24.7
203 26.4 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.269 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:244 Resp: 85589
Ion Ratio Lower Upper
244 100
212 10.4 6.0 9.0#
122 20.9 10.1 15.1#

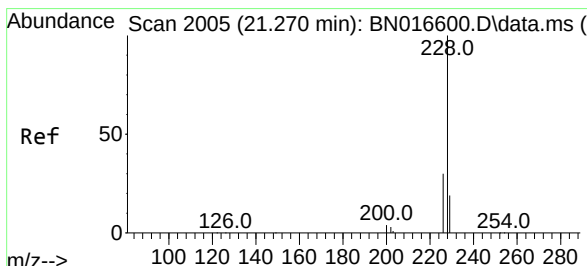
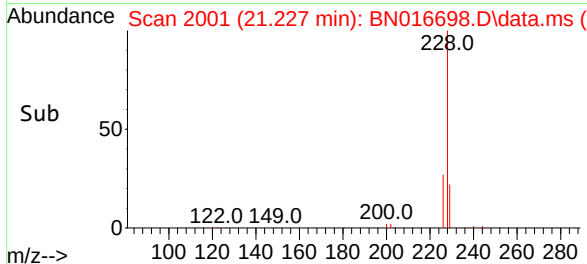
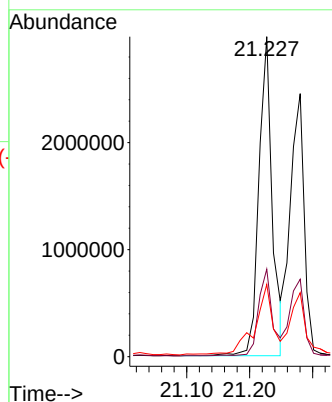
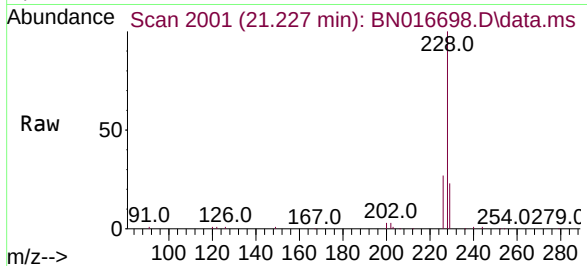




#32
Benzo(a)anthracene
Concen: 9.878 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.011 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

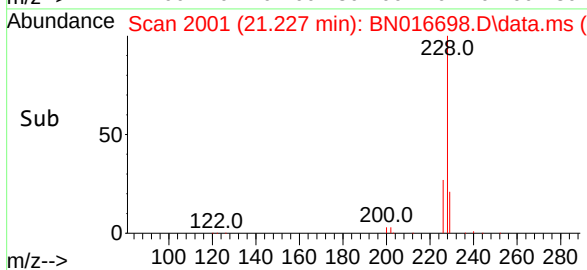
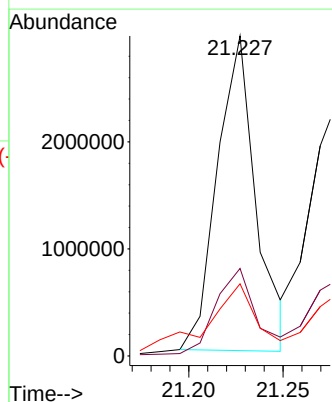
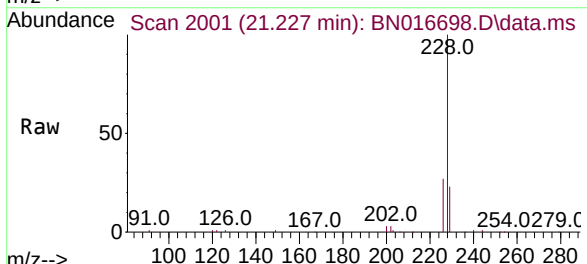
Instrument :
BNA_N
ClientSampled :

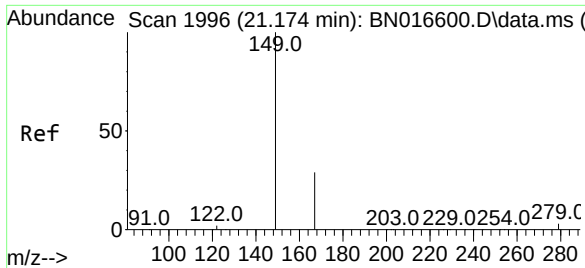
Tgt Ion:228 Resp: 4434927
Ion Ratio Lower Upper
228 100
226 27.4 21.9 32.9
229 22.5 15.7 23.5



#33
Chrysene
Concen: 9.243 ng
RT: 21.227 min Scan# 2001
Delta R.T. -0.042 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:228 Resp: 4202034
Ion Ratio Lower Upper
228 100
226 27.4 23.7 35.5
229 22.5 15.5 23.3

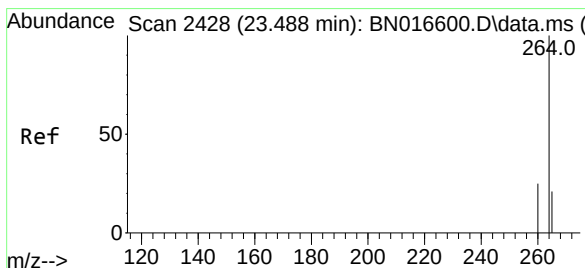
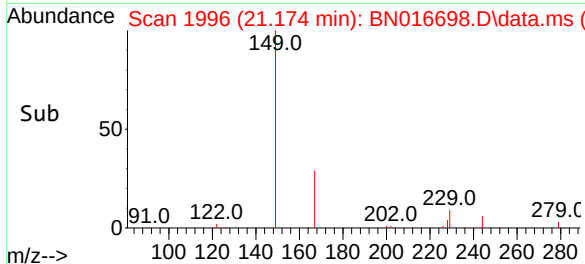
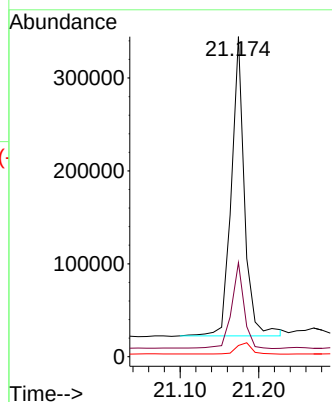
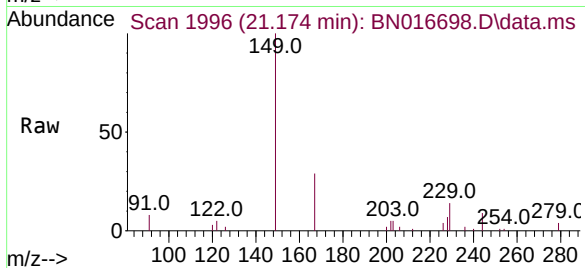




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 2.091 ng
 RT: 21.174 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: BN016698.D
 Acq: 03 Oct 2021 08:48

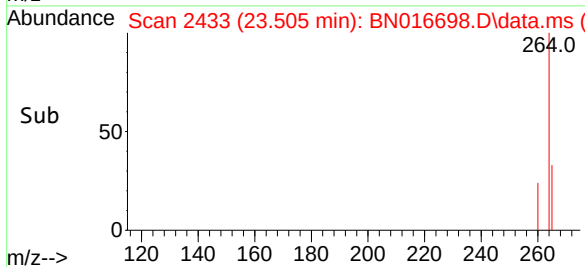
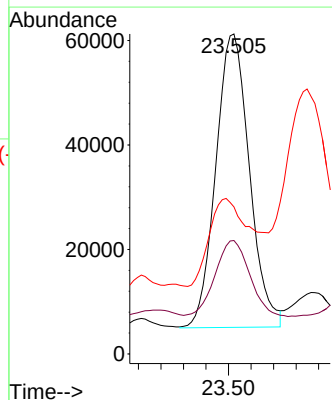
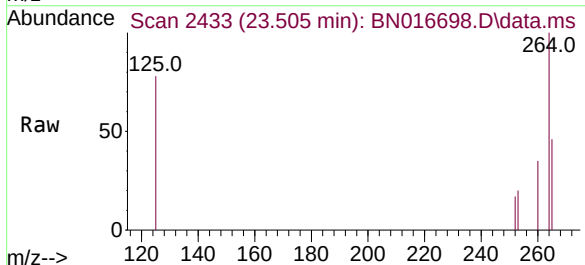
Instrument :
 BNA_N
 ClientSampleId :

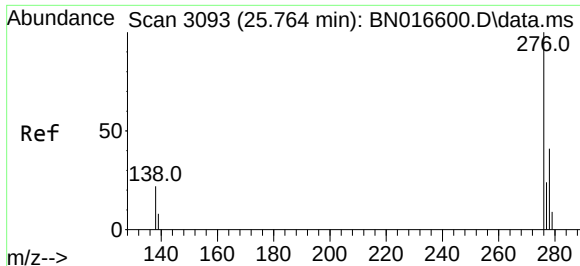
Tgt Ion:149 Resp: 374249
 Ion Ratio Lower Upper
 149 100
 167 27.3 22.2 33.4
 279 4.6 3.2 4.8



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.505 min Scan# 2433
 Delta R.T. 0.017 min
 Lab File: BN016698.D
 Acq: 03 Oct 2021 08:48

Tgt Ion:264 Resp: 116436
 Ion Ratio Lower Upper
 264 100
 260 35.5 19.9 29.9#
 265 46.0 19.2 28.8#

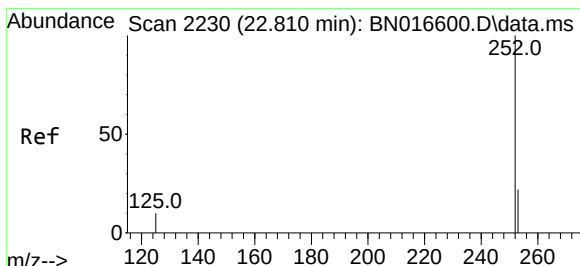
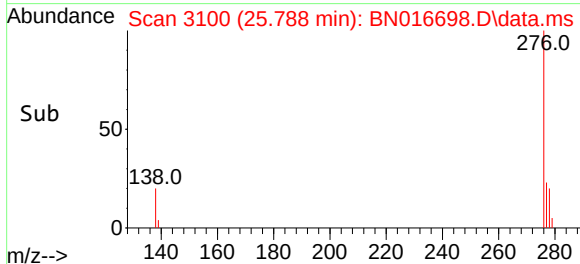
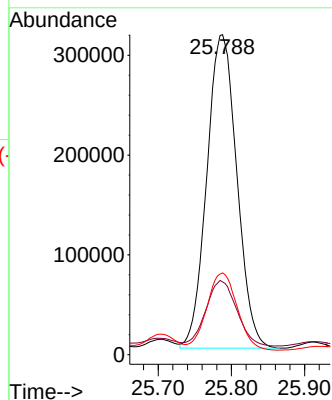
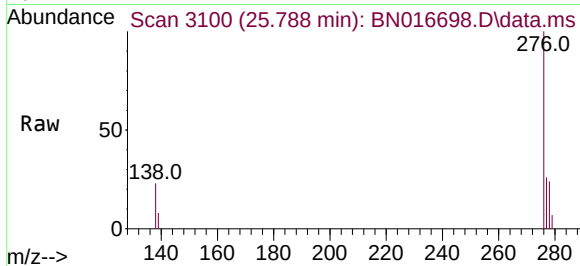




#36
Indeno(1,2,3-cd)pyrene
Concen: 2.161 ng
RT: 25.788 min Scan# 3100
Delta R.T. 0.024 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

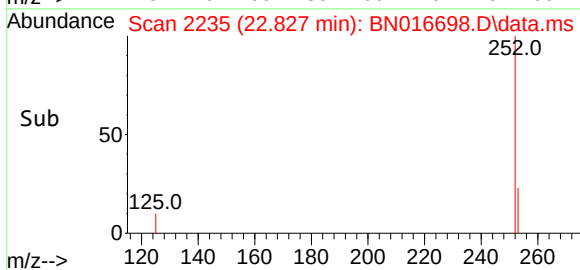
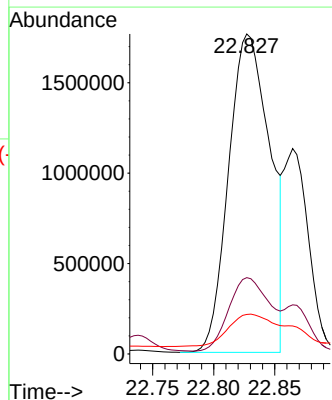
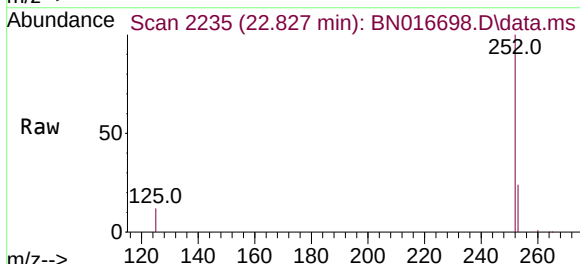
Instrument :
BNA_N
ClientSampled :

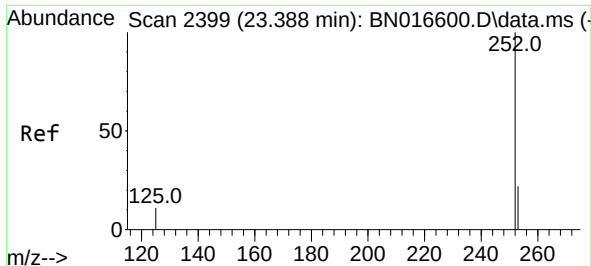
Tgt Ion:276 Resp: 897625
Ion Ratio Lower Upper
276 100
138 21.4 19.5 29.3
277 25.0 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 11.082 ng
RT: 22.827 min Scan# 2235
Delta R.T. 0.017 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:252 Resp: 4146605
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 12.4 8.0 12.0#





#39

Benzo(a)pyrene

Concen: 7.831 ng

RT: 23.406 min Scan# 2404

Delta R.T. 0.017 min

Lab File: BN016698.D

Acq: 03 Oct 2021 08:48

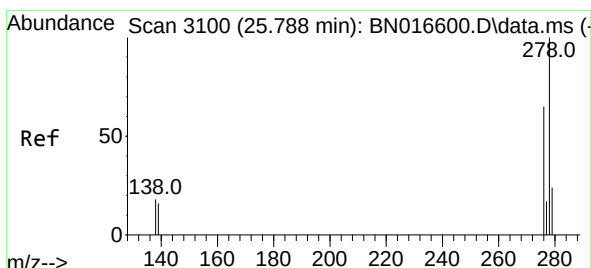
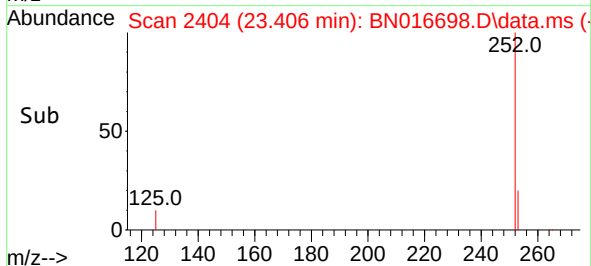
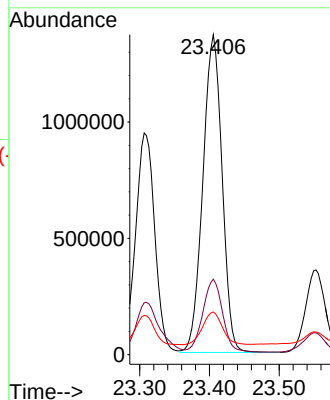
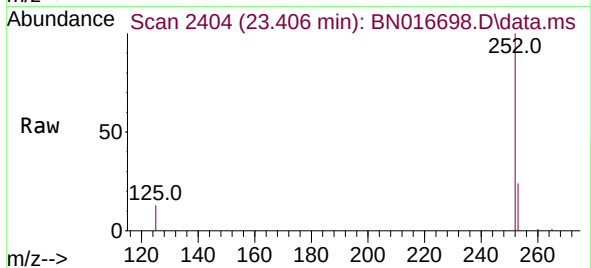
Tgt Ion:252 Resp: 2609791

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 13.3 9.0 13.4



#40

Dibenzo(a,h)anthracene

Concen: 0.801 ng

RT: 25.798 min Scan# 3103

Delta R.T. 0.010 min

Lab File: BN016698.D

Acq: 03 Oct 2021 08:48

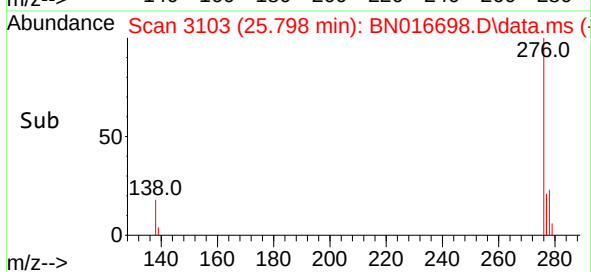
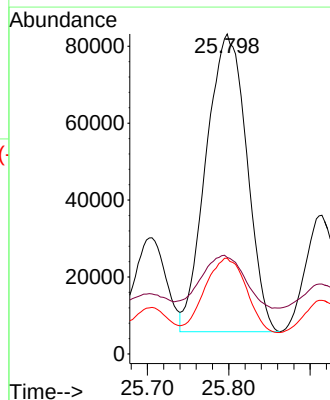
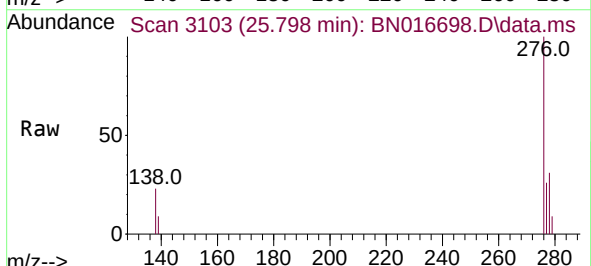
Tgt Ion:278 Resp: 268461

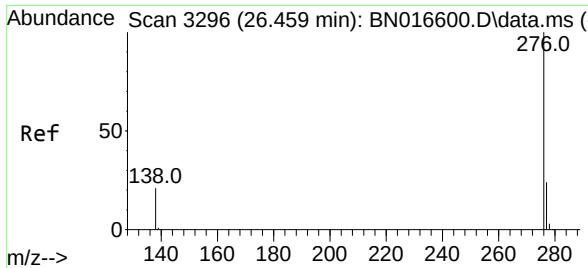
Ion Ratio Lower Upper

278 100

139 30.2 13.1 19.7#

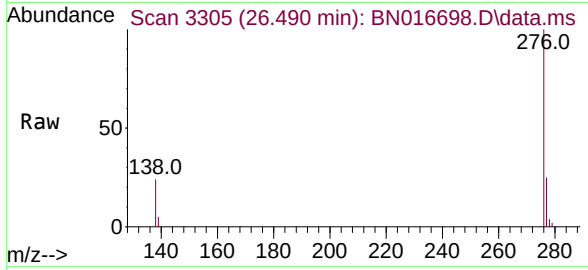
279 29.9 19.1 28.7#





#41
Benzo(g,h,i)perylene
Concen: 1.955 ng
RT: 26.490 min Scan# 3305
Delta R.T. 0.031 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:276 Resp: 718299
Ion Ratio Lower Upper
276 100
277 25.0 19.0 28.6
138 23.5 16.9 25.3

