

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016696.D
 Acq On : 03 Oct 2021 07:36
 Operator : CG/JU
 Sample : M3892-05
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-822-N-SO-0-0.5-092221

Quant Time: Oct 04 03:37:29 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)

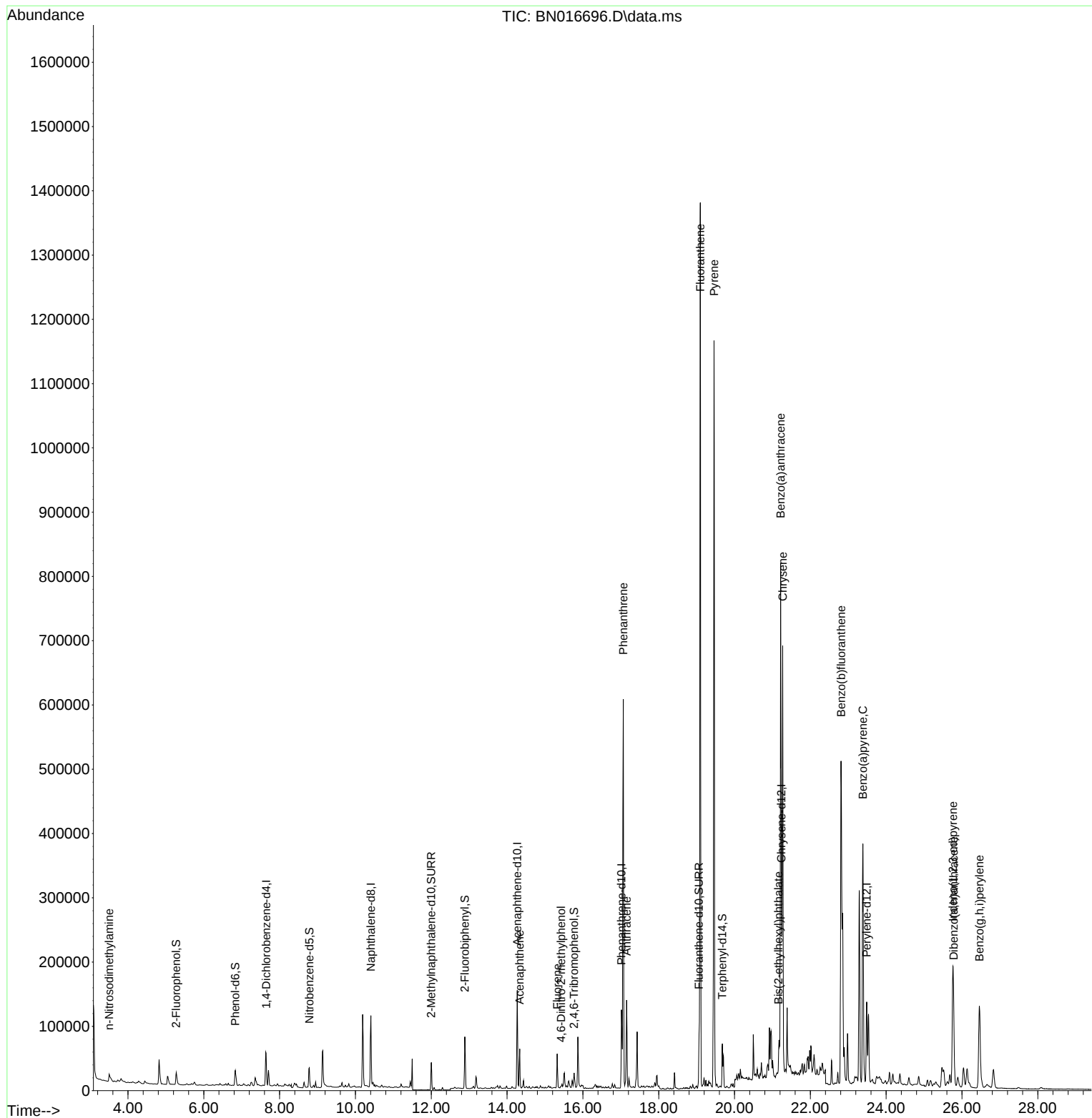
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	31907	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	146503	0.400	ng	# 0.00
13) Acenaphthene-d10	14.269	164	84069	0.400	ng	0.00
19) Phenanthrene-d10	17.018	188	165292	0.400	ng	#-0.01
29) Chrysene-d12	21.238	240	162964	0.400	ng	0.00
35) Perylene-d12	23.485	264	161541	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	22773	0.280	ng	0.02
5) Phenol-d6	6.831	99	24803	0.279	ng	0.00
8) Nitrobenzene-d5	8.784	82	29065	0.304	ng	0.00
11) 2-Methylnaphthalene-d10	11.998	152	57936	0.267	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12915	0.337	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	68107	0.200	ng	-0.01
27) Fluoranthene-d10	19.063	212	93430	0.213	ng	0.00
31) Terphenyl-d14	19.679	244	65307	0.184	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.502	42	3581	0.152	ng	# 1
17) Acenaphthene	14.332	154	29958	0.121	ng	100
18) Fluorene	15.322	166	32341	0.110	ng	99
20) 4,6-Dinitro-2-methylph...	15.423	198	13	0.137	ng	# 1
25) Phenanthrene	17.066	178	638595	1.284	ng	100
26) Anthracene	17.151	178	135227	0.315	ng	# 94
28) Fluoranthene	19.098	202	1269839	2.365	ng	99
30) Pyrene	19.460	202	1051992	1.995	ng	# 93
32) Benzo(a)anthracene	21.217	228	628133	1.256	ng	99
33) Chrysene	21.270	228	592905	1.171	ng	97
34) Bis(2-ethylhexyl)phtha...	21.164	149	41038	0.206	ng	99
36) Indeno(1,2,3-cd)pyrene	25.761	276	292523	0.508	ng	99
37) Benzo(b)fluoranthene	22.810	252	794757	1.531	ng	98
39) Benzo(a)pyrene	23.385	252	521961	1.129	ng	98
40) Dibenzo(a,h)anthracene	25.781	278	78348	0.168	ng	# 84
41) Benzo(g,h,i)perylene	26.459	276	266179	0.522	ng	98

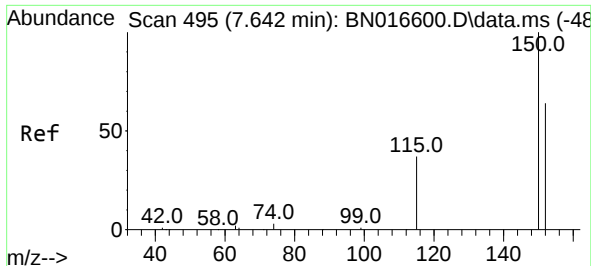
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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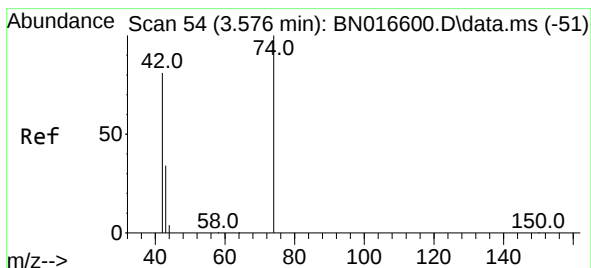
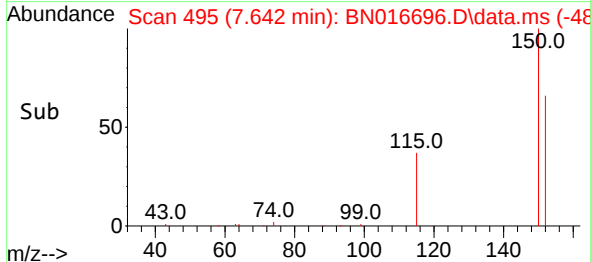
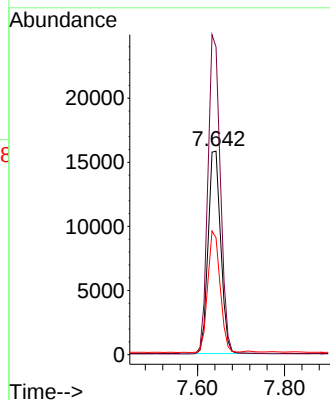
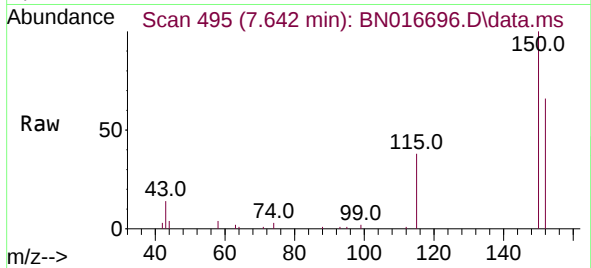




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

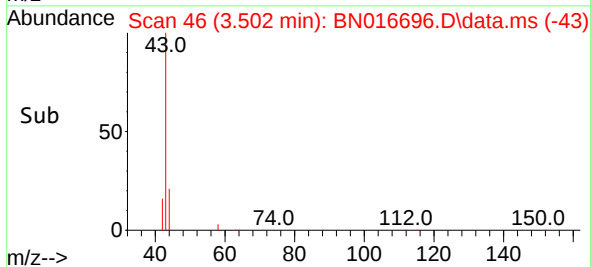
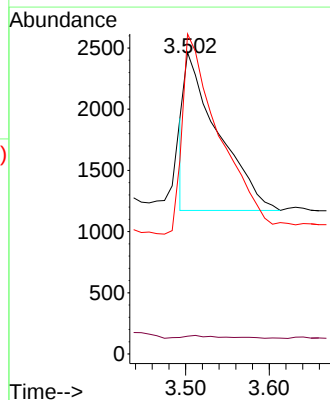
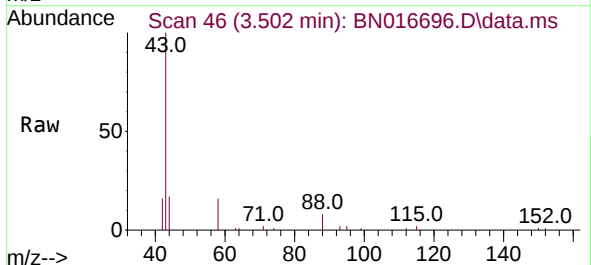
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

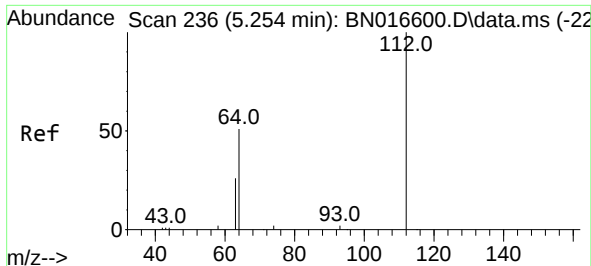
Tgt Ion:152 Resp: 31907
Ion Ratio Lower Upper
152 100
150 151.2 124.6 186.8
115 57.4 46.5 69.7



#3
n-Nitrosodimethylamine
Concen: 0.152 ng
RT: 3.502 min Scan# 46
Delta R.T. -0.073 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion: 42 Resp: 3581
Ion Ratio Lower Upper
42 100
74 1.5 121.6 182.4#
44 120.4 6.3 9.5#

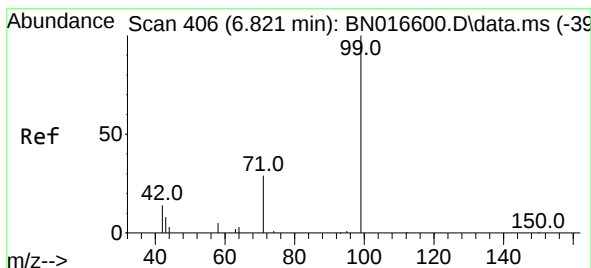
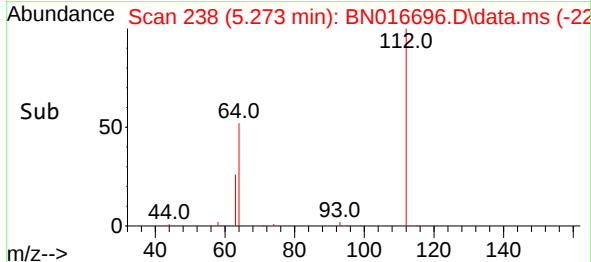
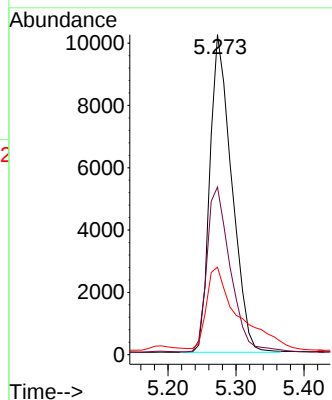
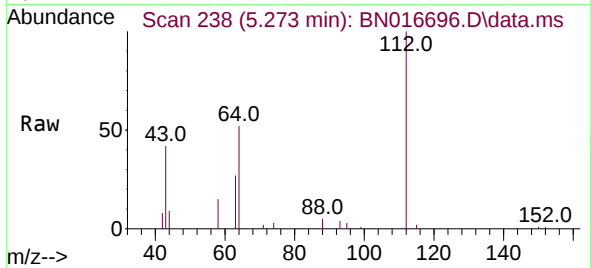




#4
2-Fluorophenol
Concen: 0.280 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

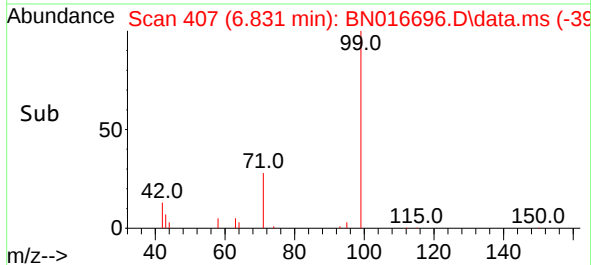
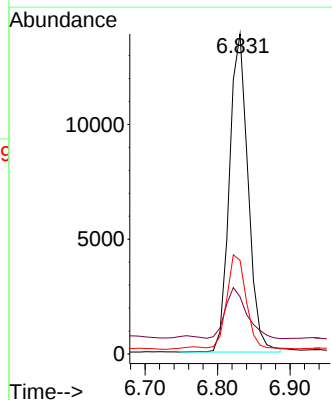
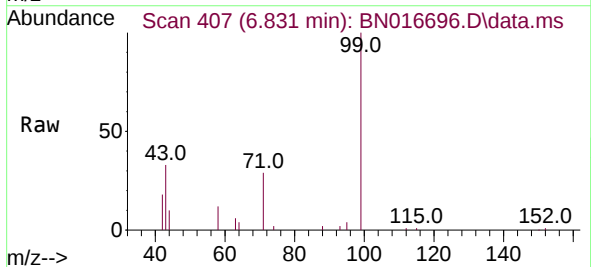
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

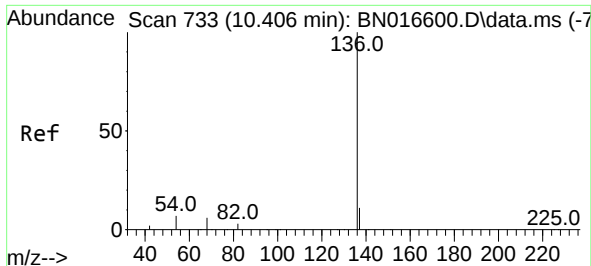
Tgt Ion:112 Resp: 22773
Ion Ratio Lower Upper
112 100
64 55.4 43.1 64.7
63 35.8 21.6 32.4#



#5
Phenol-d6
Concen: 0.279 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

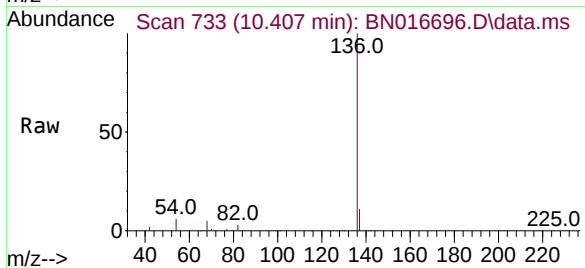
Tgt Ion: 99 Resp: 24803
Ion Ratio Lower Upper
99 100
42 18.4 13.0 19.6
71 30.0 23.5 35.3



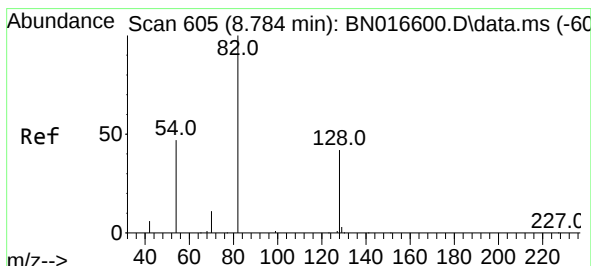
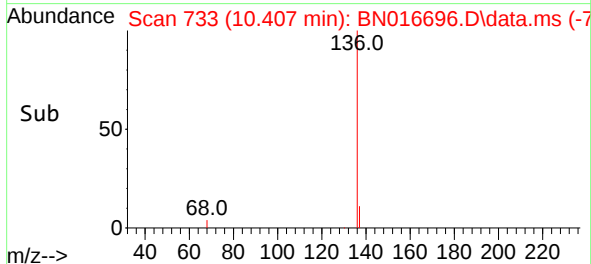
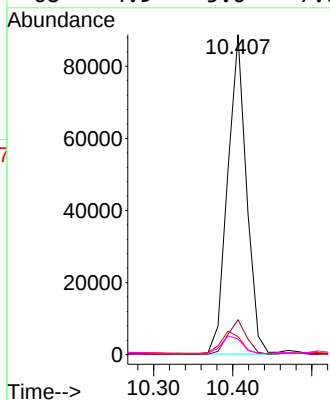


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

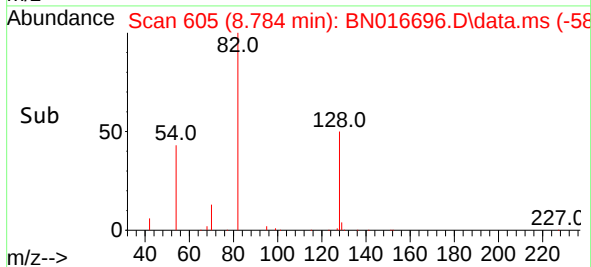
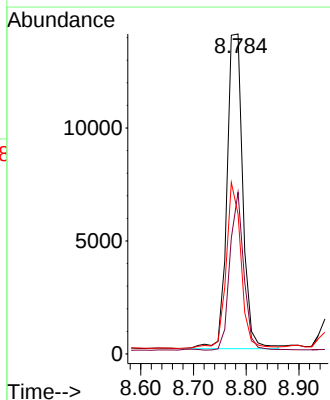
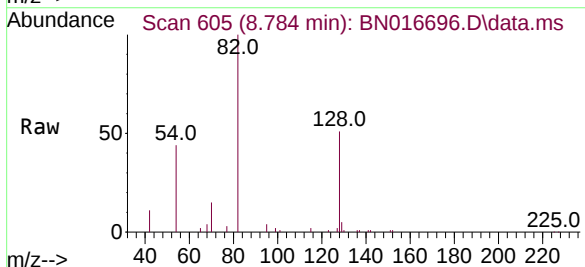


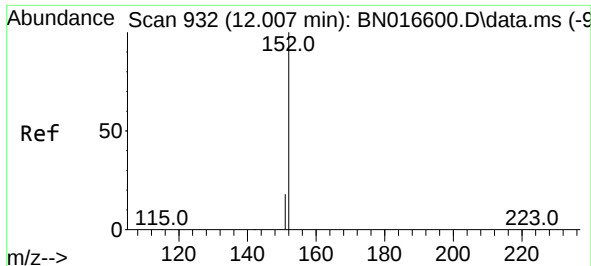
Tgt Ion:136 Resp: 146503
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 5.6 5.9 8.9#
68 4.9 5.0 7.6#



#8
Nitrobenzene-d5
Concen: 0.304 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion: 82 Resp: 29065
Ion Ratio Lower Upper
82 100
128 50.5 33.6 50.4#
54 43.7 37.6 56.4

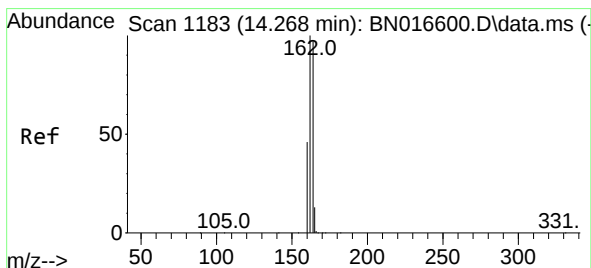
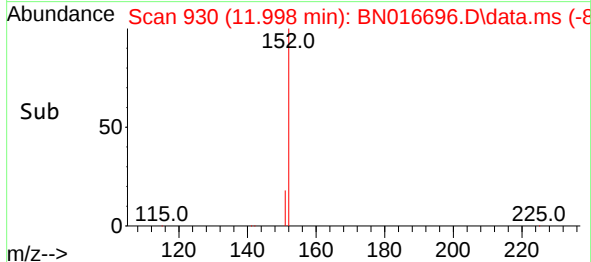
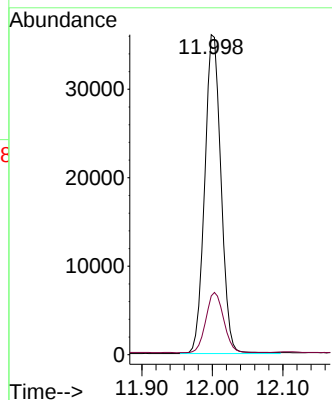
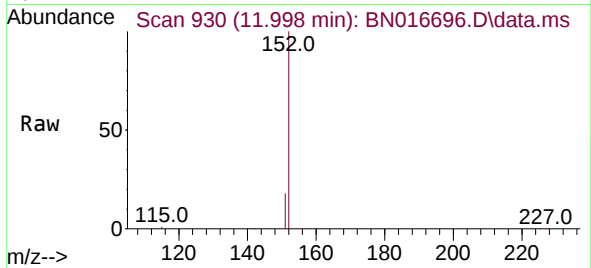




#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 11.998 min Scan# 930
Delta R.T. -0.009 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

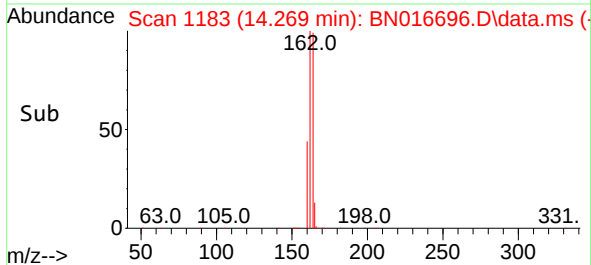
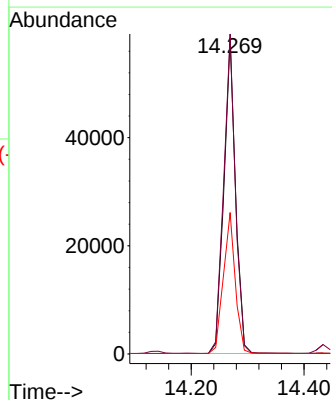
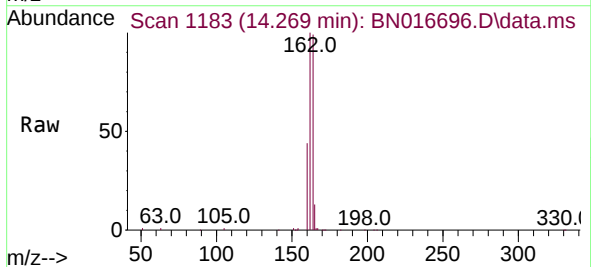
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

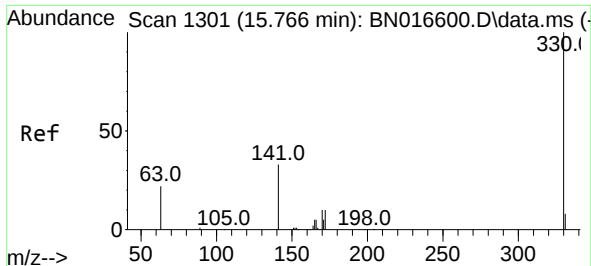
Tgt Ion:152 Resp: 57936
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:164 Resp: 84069
Ion Ratio Lower Upper
164 100
162 101.3 82.2 123.2
160 44.8 37.7 56.5

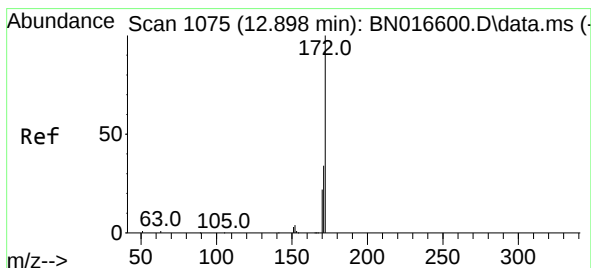
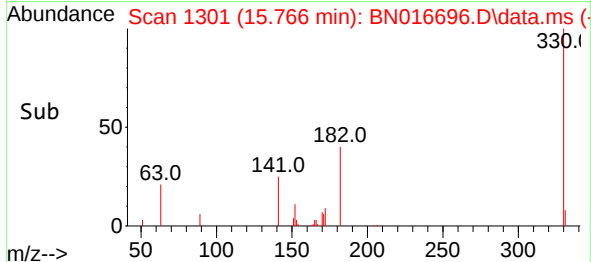
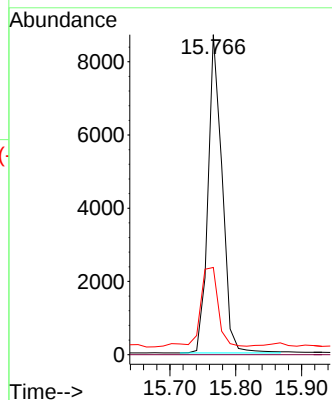
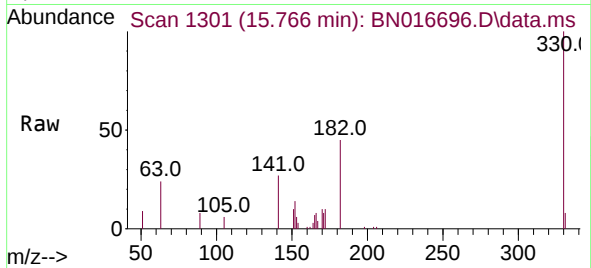




#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

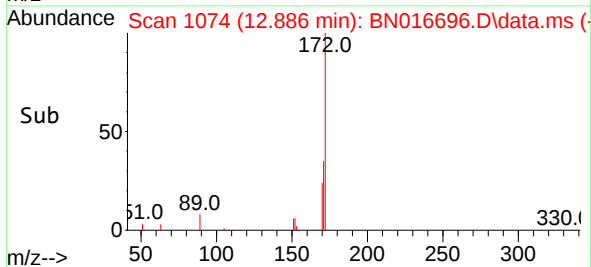
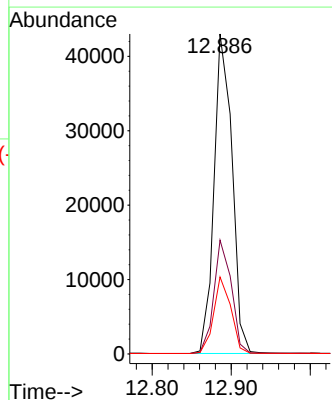
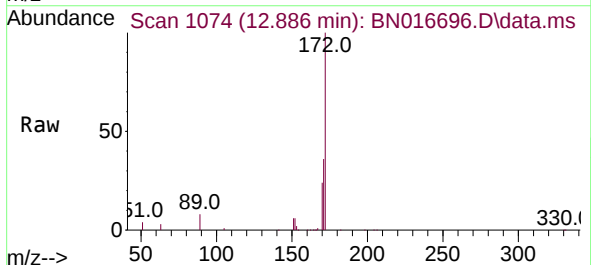
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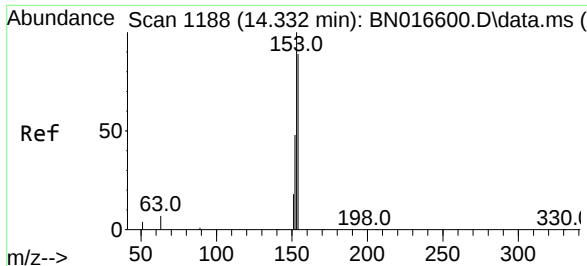
Tgt Ion:330 Resp: 12915
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 30.7 25.2 37.8



#15
2-Fluorobiphenyl
Concen: 0.200 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:172 Resp: 68107
Ion Ratio Lower Upper
172 100
171 35.5 27.0 40.4
170 24.1 17.4 26.2

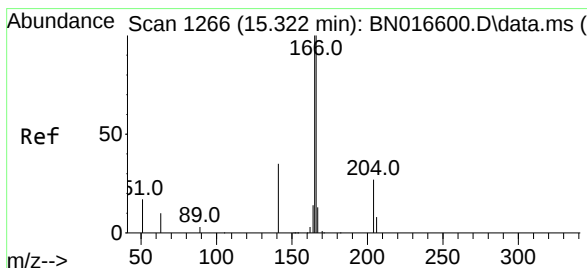
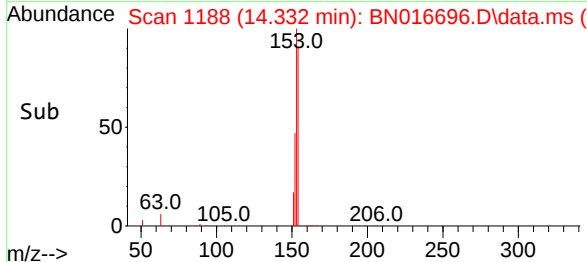
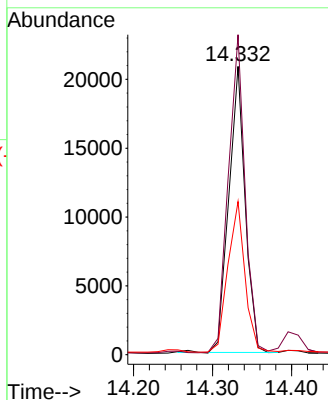
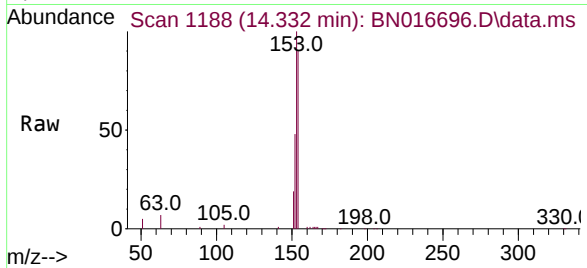




#17
Acenaphthene
Concen: 0.121 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

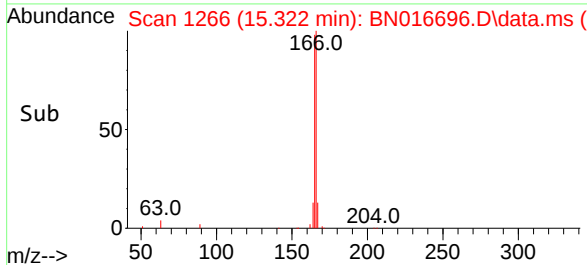
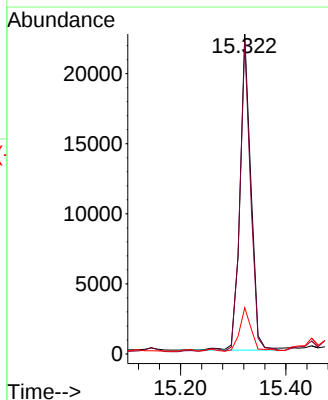
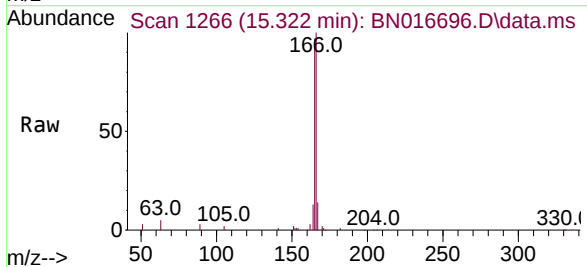
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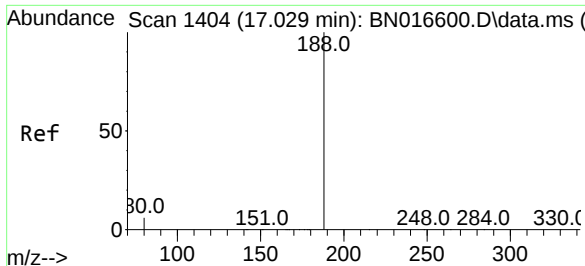
Tgt Ion:154 Resp: 29958
Ion Ratio Lower Upper
154 100
153 113.3 90.2 135.2
152 54.7 44.0 66.0



#18
Fluorene
Concen: 0.110 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

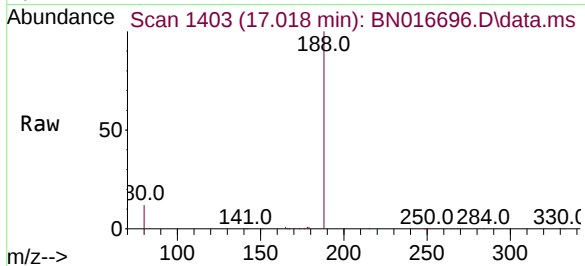
Tgt Ion:166 Resp: 32341
Ion Ratio Lower Upper
166 100
165 98.4 77.9 116.9
167 14.7 10.7 16.1



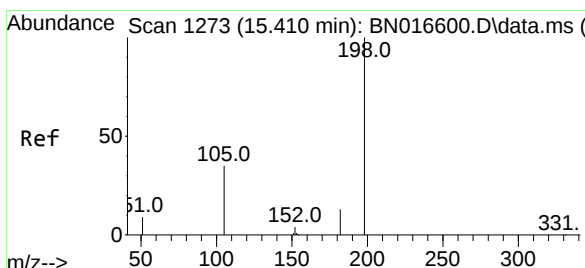
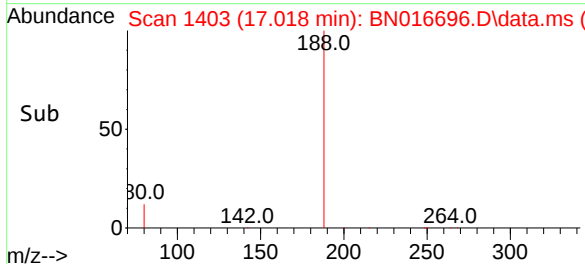
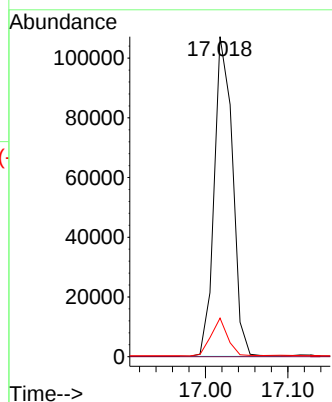


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

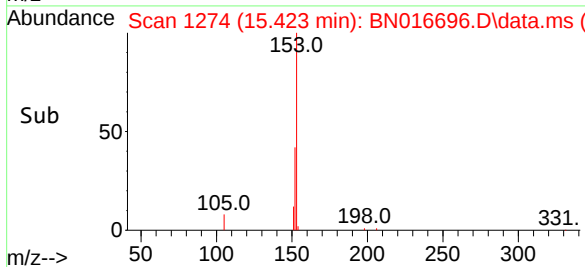
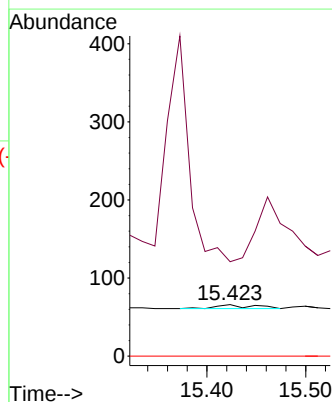
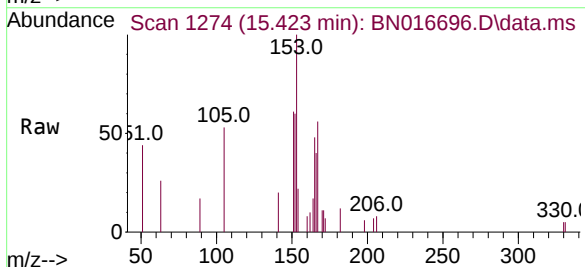


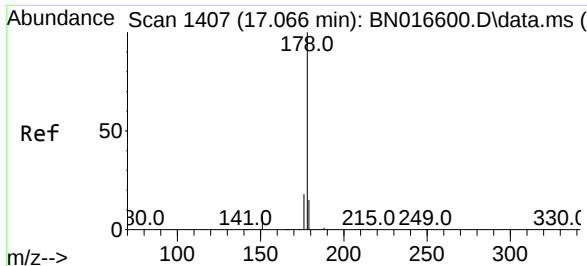
Tgt Ion:188 Resp: 165292
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.1 5.0 7.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.137 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.013 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:198 Resp: 13
Ion Ratio Lower Upper
198 100
182 183.3 11.8 17.8#
77 0.0 0.0 0.0

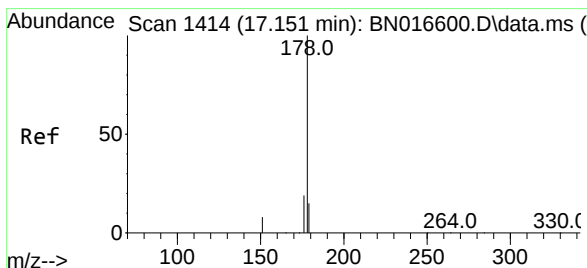
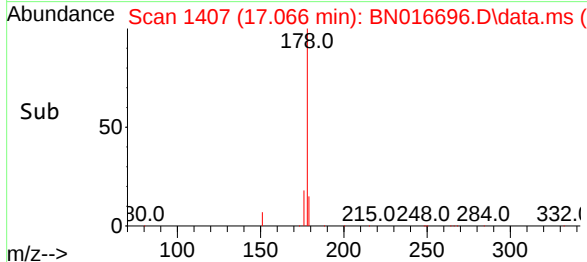
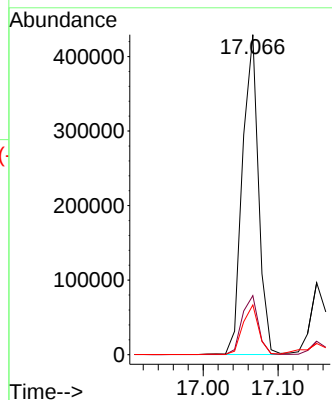
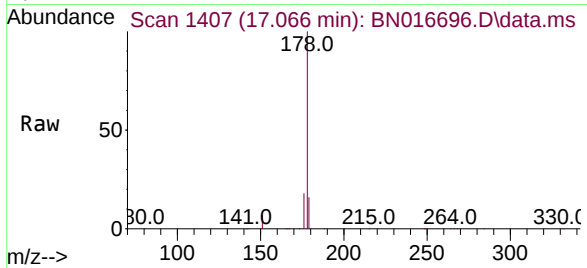




#25
Phenanthrene
Concen: 1.284 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

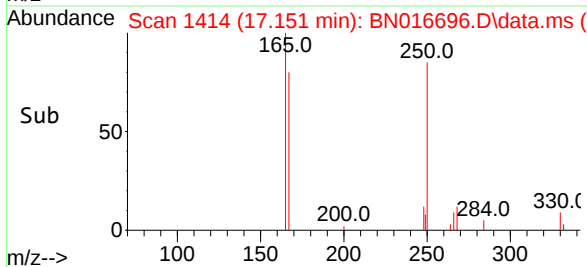
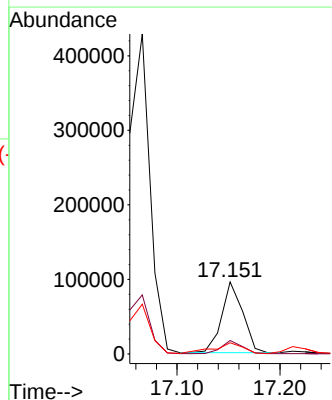
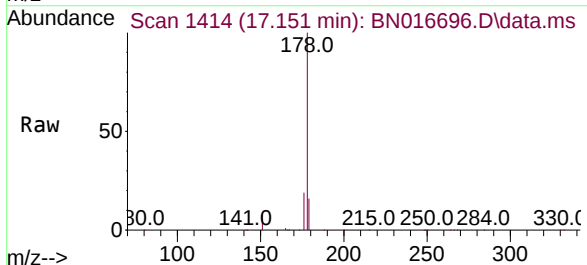
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

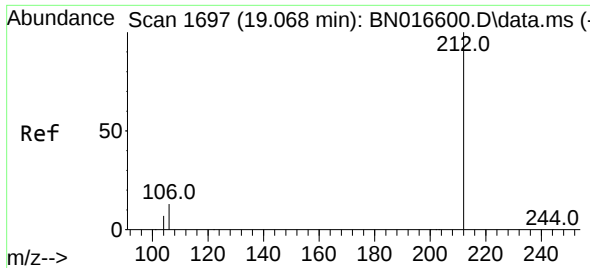
Tgt Ion:178 Resp: 638595
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.5 12.2 18.4



#26
Anthracene
Concen: 0.315 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:178 Resp: 135227
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 20.8 12.2 18.4#

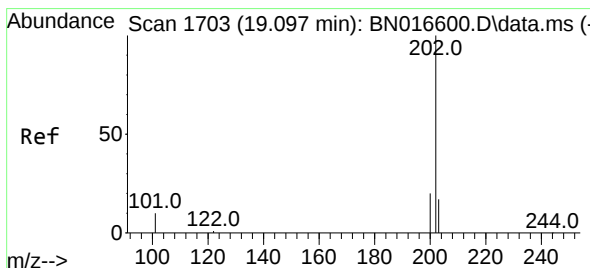
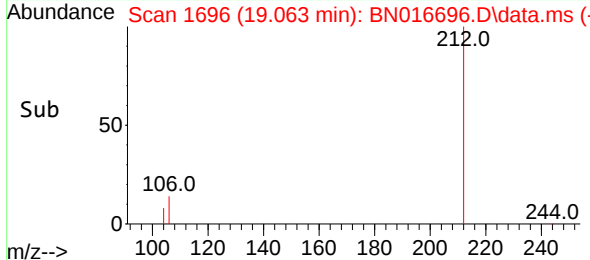
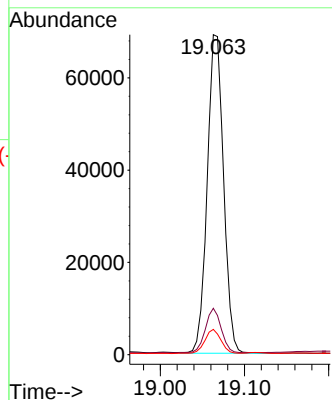
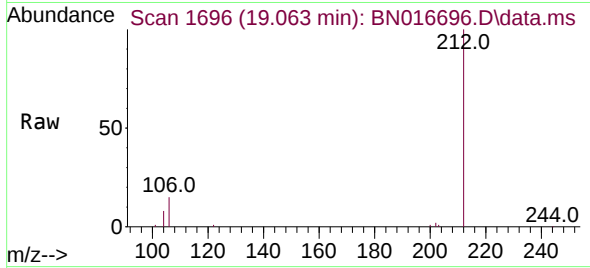




#27
Fluoranthene-d10
Concen: 0.213 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

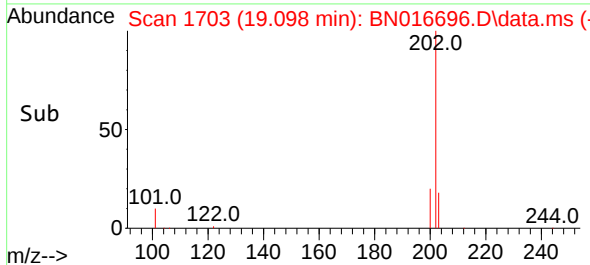
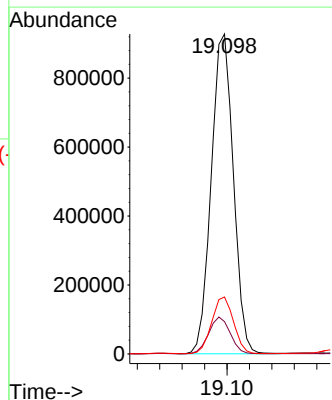
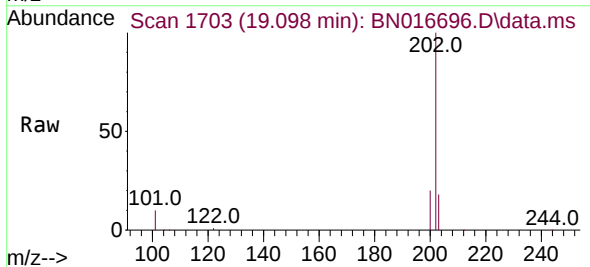
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

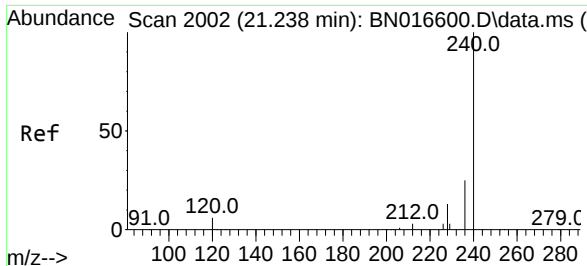
Tgt Ion:212 Resp: 93430
Ion Ratio Lower Upper
212 100
106 13.4 10.6 16.0
104 7.4 5.9 8.9



#28
Fluoranthene
Concen: 2.365 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:202 Resp: 1269839
Ion Ratio Lower Upper
202 100
101 11.2 9.0 13.4
203 17.5 13.8 20.6

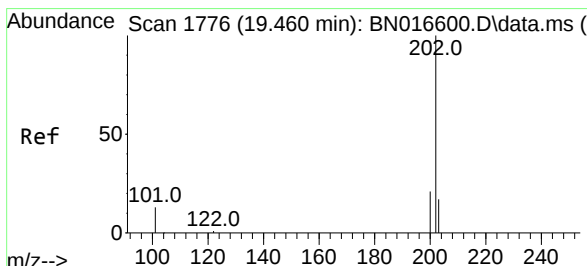
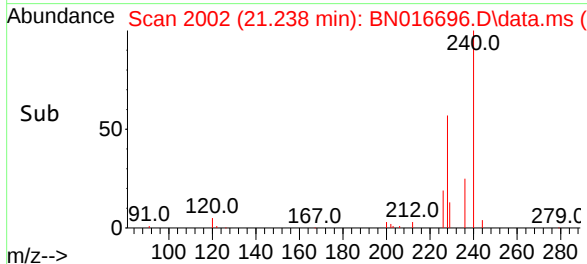
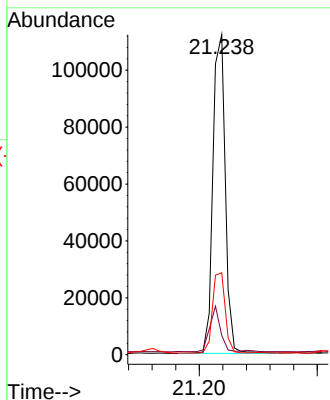
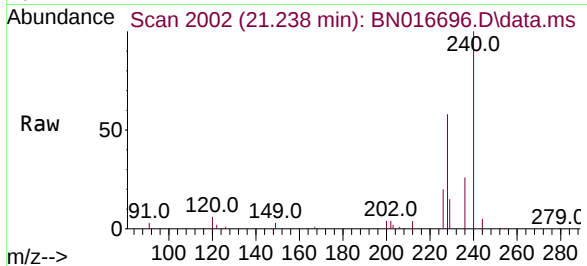




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

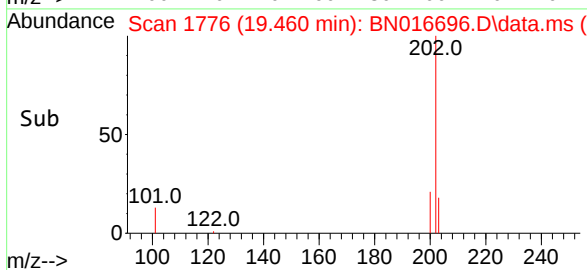
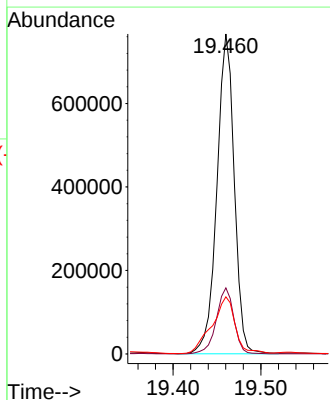
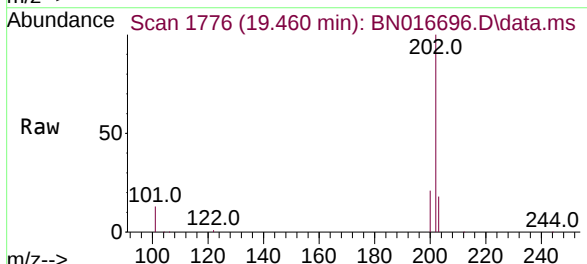
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

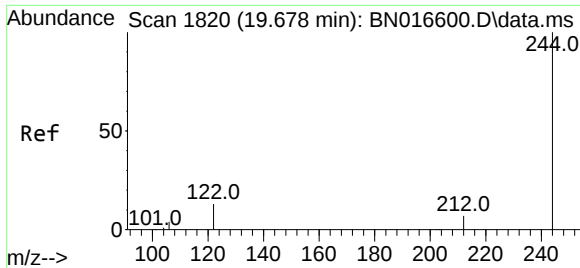
Tgt Ion:240 Resp: 162964
Ion Ratio Lower Upper
240 100
120 6.1 5.0 7.4
236 25.6 20.4 30.6



#30
Pyrene
Concen: 1.995 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:202 Resp: 1051992
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 23.7 14.0 21.0#

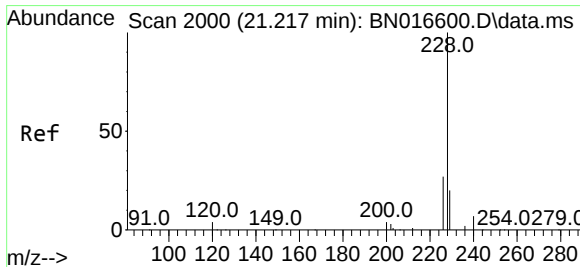
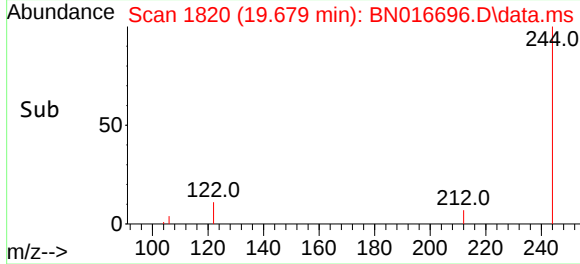
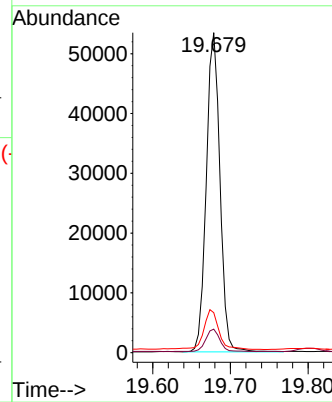
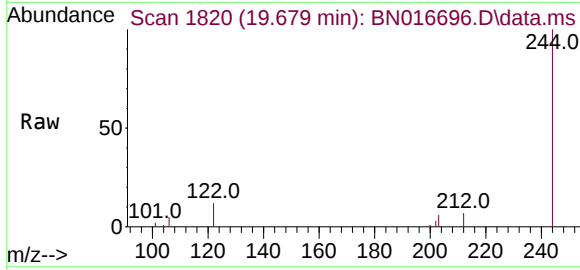




#31
 Terphenyl-d14
 Concen: 0.184 ng
 RT: 19.679 min Scan# 1820
 Delta R.T. 0.000 min
 Lab File: BN016696.D
 Acq: 03 Oct 2021 07:36

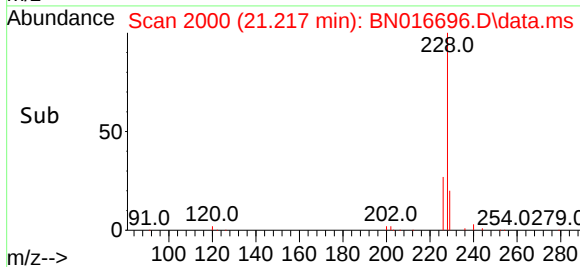
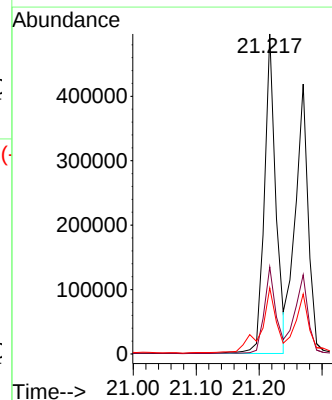
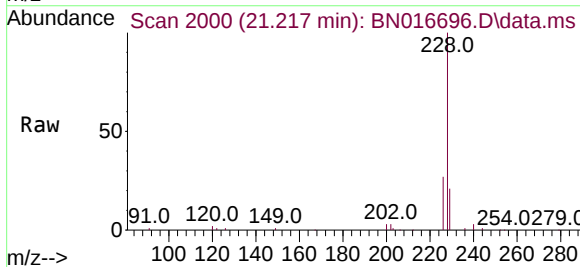
Instrument :
 BNA_N
 ClientSampleId :
 S-822-N-SO-0-0.5-092221

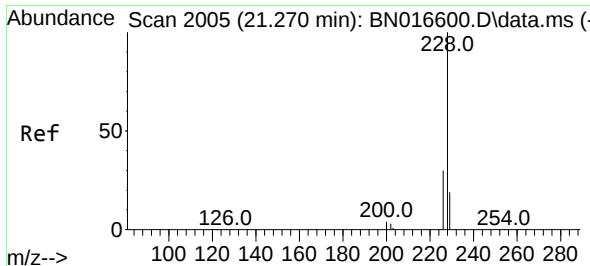
Tgt Ion:244	Resp:	65307
Ion Ratio	Lower	Upper
244	100	
212	7.3	6.0 9.0
122	12.5	10.1 15.1



#32
 Benzo(a)anthracene
 Concen: 1.256 ng
 RT: 21.217 min Scan# 2000
 Delta R.T. 0.000 min
 Lab File: BN016696.D
 Acq: 03 Oct 2021 07:36

Tgt Ion:228	Resp:	628133
Ion Ratio	Lower	Upper
228	100	
226	27.2	21.9 32.9
229	20.7	15.7 23.5

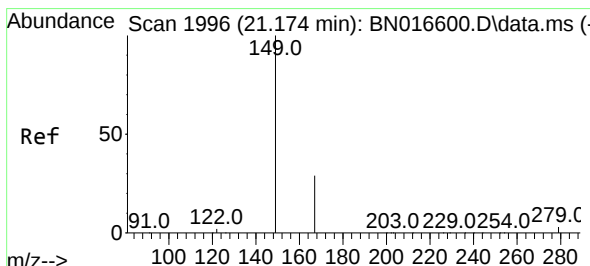
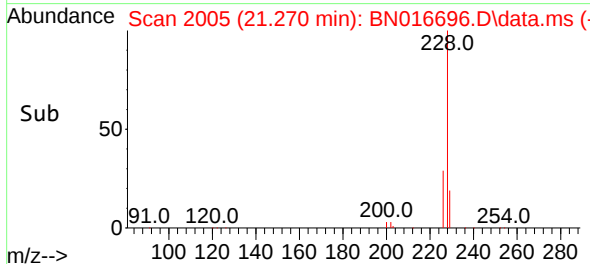
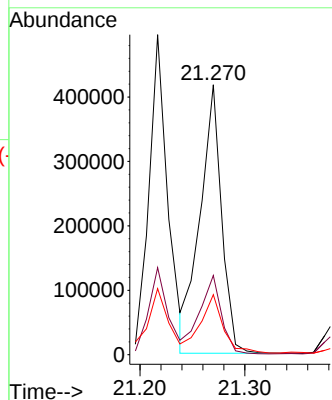
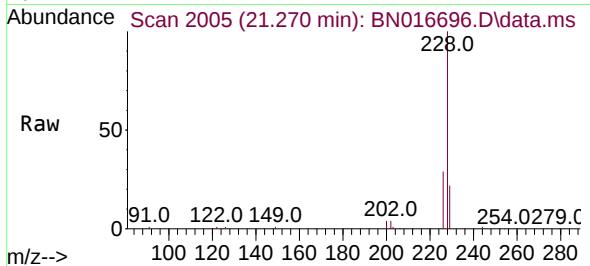




#33
Chrysene
Concen: 1.171 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

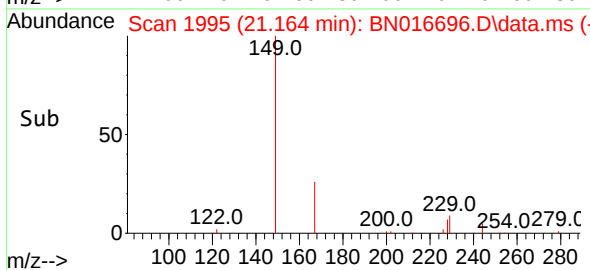
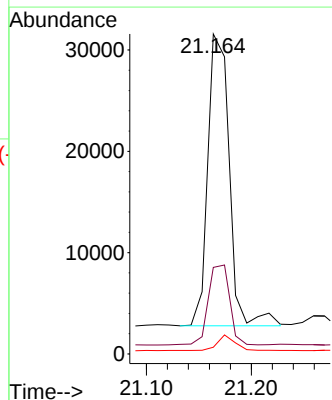
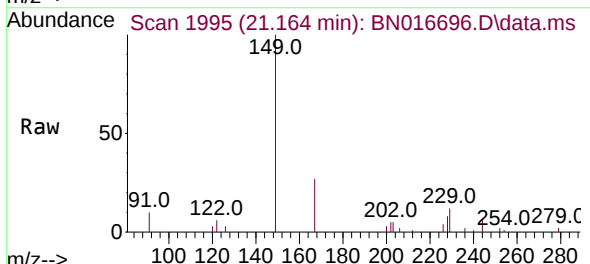
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

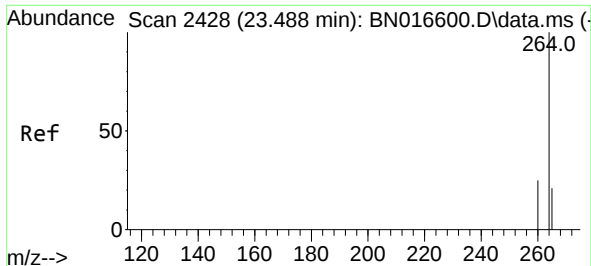
Tgt Ion:228	Resp: 592905
Ion Ratio	Lower Upper
228 100	
226 29.4	23.7 35.5
229 22.2	15.5 23.3



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.206 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

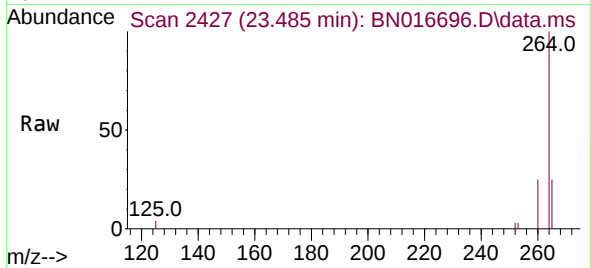
Tgt Ion:149	Resp: 41038
Ion Ratio	Lower Upper
149 100	
167 27.3	22.2 33.4
279 4.5	3.2 4.8





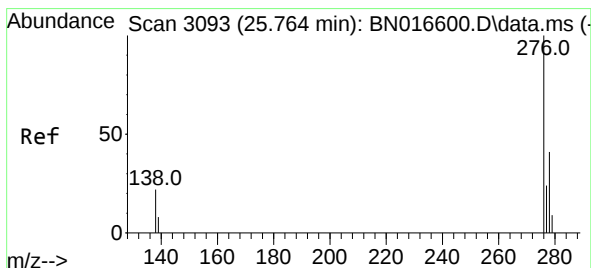
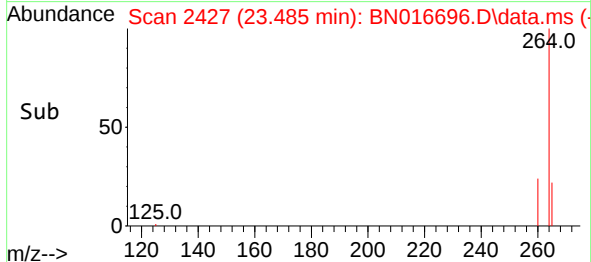
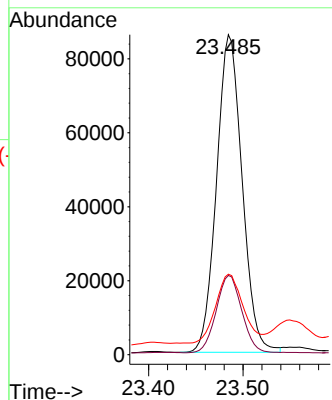
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.485 min Scan# 2427
Delta R.T. -0.003 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221



Tgt Ion:264 Resp: 161541

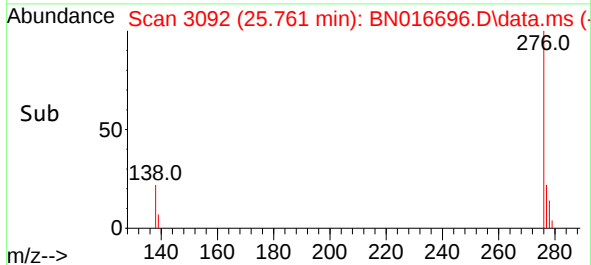
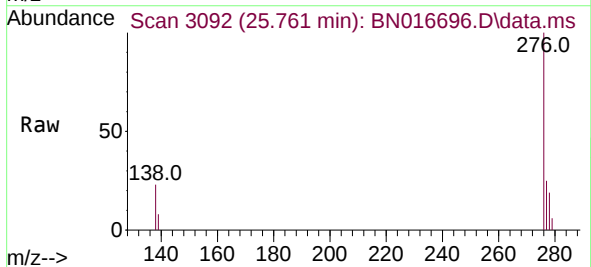
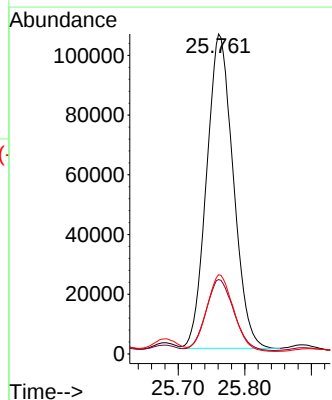
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.9	29.9
265	25.1	19.2	28.8

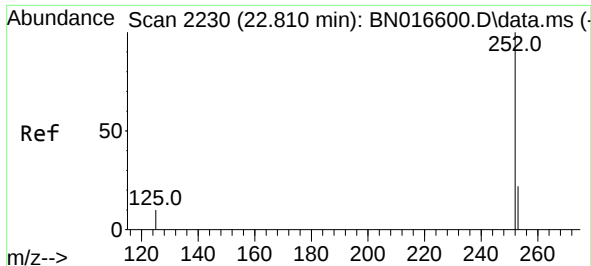


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.508 ng
RT: 25.761 min Scan# 3092
Delta R.T. -0.003 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:276 Resp: 292523

Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.5	29.3
277	24.7	19.9	29.9

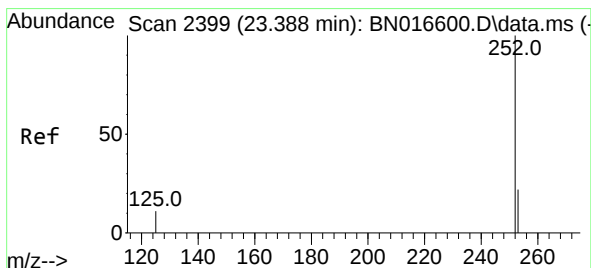
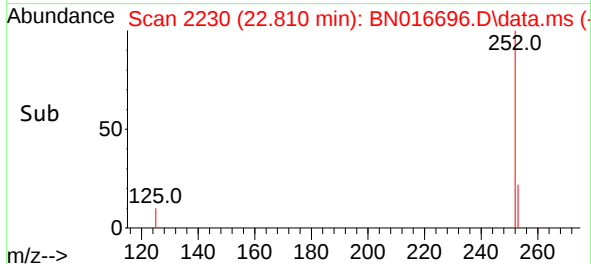
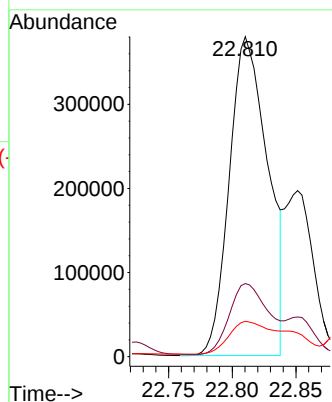
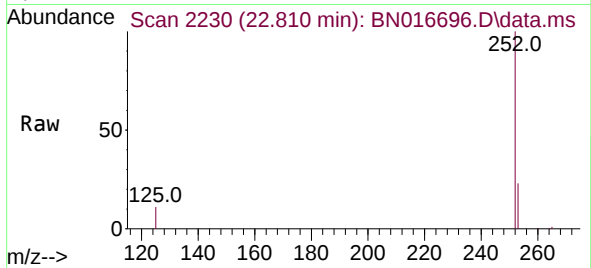




#37
Benzo(b)fluoranthene
Concen: 1.531 ng
RT: 22.810 min Scan# 2230
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

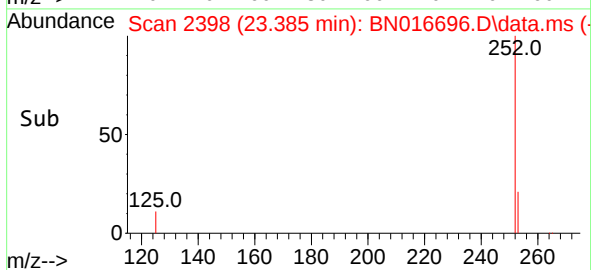
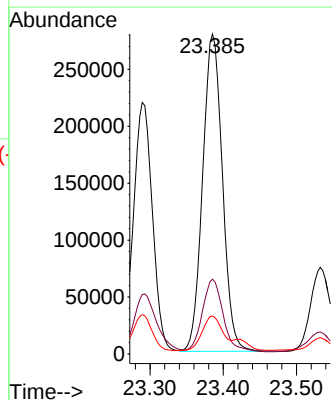
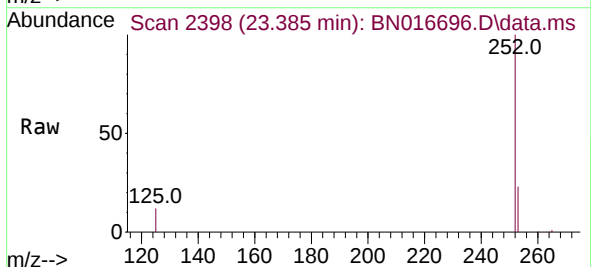
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

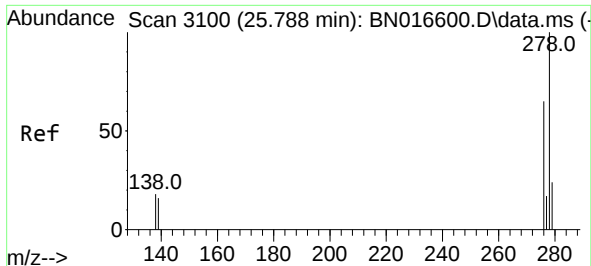
Tgt Ion:252 Resp: 794757
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.0 8.0 12.0



#39
Benzo(a)pyrene
Concen: 1.129 ng
RT: 23.385 min Scan# 2398
Delta R.T. -0.003 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:252 Resp: 521961
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 11.9 9.0 13.4

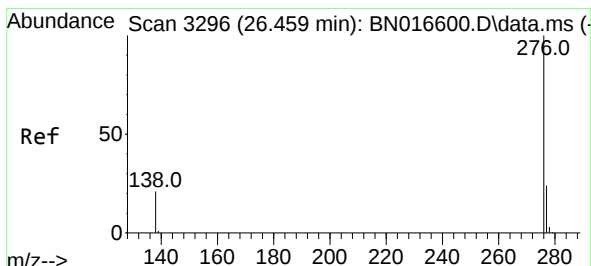
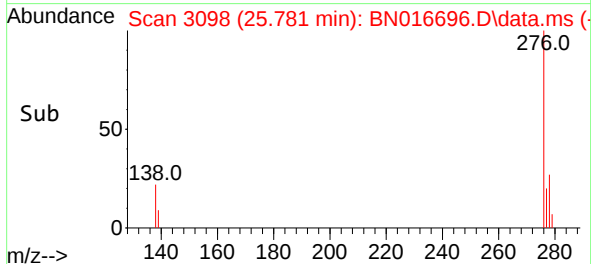
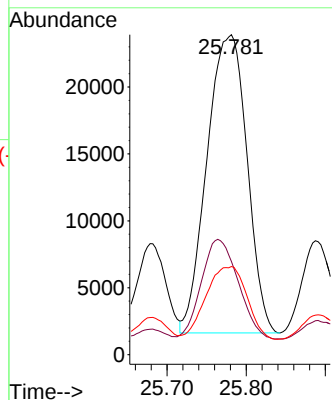
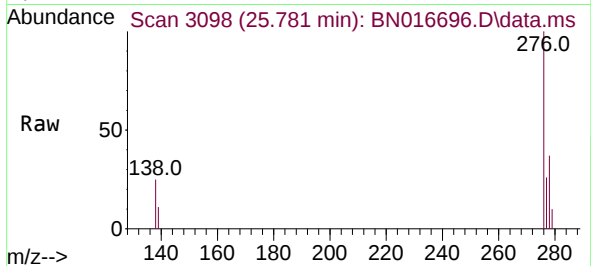




#40
Dibenzo(a,h)anthracene
Concen: 0.168 ng
RT: 25.781 min Scan# 3098
Delta R.T. -0.007 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-0-0.5-092221

Tgt Ion:278 Resp: 78348
Ion Ratio Lower Upper
278 100
139 29.1 13.1 19.7#
279 27.5 19.1 28.7



#41
Benzo(g,h,i)perylene
Concen: 0.522 ng
RT: 26.459 min Scan# 3296
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:276 Resp: 266179
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.6
138 22.5 16.9 25.3

