

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016694.D
 Acq On : 03 Oct 2021 06:24
 Operator : CG/JU
 Sample : M3892-09
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 04 03:37:13 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

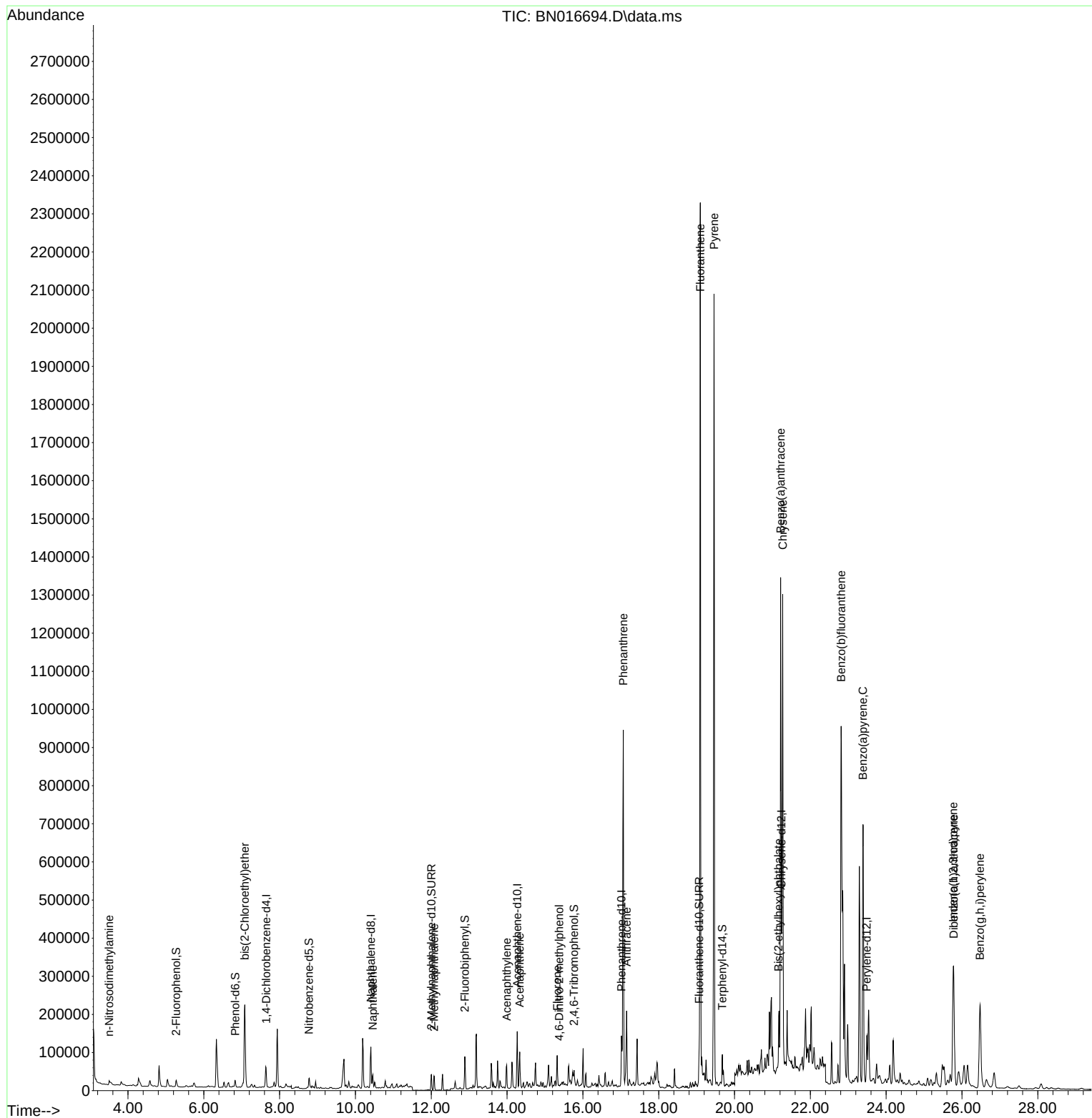
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	31109	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	142292	0.400	ng	# 0.00
13) Acenaphthene-d10	14.269	164	81067	0.400	ng	0.00
19) Phenanthrene-d10	17.018	188	158378	0.400	ng	#-0.01
29) Chrysene-d12	21.238	240	156707	0.400	ng	0.00
35) Perylene-d12	23.488	264	150614	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	20272	0.256	ng	0.02
5) Phenol-d6	6.831	99	20293	0.234	ng	0.00
8) Nitrobenzene-d5	8.772	82	25556	0.276	ng	-0.01
11) 2-Methylnaphthalene-d10	12.003	152	55369	0.263	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12145	0.329	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	68921	0.210	ng	-0.01
27) Fluoranthene-d10	19.068	212	99238	0.236	ng	0.00
31) Terphenyl-d14	19.679	244	77610	0.228	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.502	42	4271	0.186	ng	# 1
6) bis(2-Chloroethyl)ether	7.080	93	429501	5.089	ng	# 24
9) Naphthalene	10.457	128	30132	0.078	ng	98
12) 2-Methylnaphthalene	12.074	142	26733	0.108	ng	99
16) Acenaphthylene	13.990	152	63895	0.180	ng	98
17) Acenaphthene	14.332	154	42807	0.179	ng	97
18) Fluorene	15.322	166	45151	0.160	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.373	198	65	0.140	ng	# 1
25) Phenanthrene	17.066	178	991678	2.081	ng	99
26) Anthracene	17.151	178	184716	0.449	ng	# 93
28) Fluoranthene	19.098	202	2071318	4.026	ng	99
30) Pyrene	19.460	202	1842745	3.634	ng	# 94
32) Benzo(a)anthracene	21.217	228	1047211	2.177	ng	98
33) Chrysene	21.270	228	1093514	2.245	ng	97
34) Bis(2-ethylhexyl)phtha...	21.164	149	150070	0.783	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.771	276	513823	0.956	ng	99
37) Benzo(b)fluoranthene	22.814	252	1569129	3.242	ng	98
39) Benzo(a)pyrene	23.389	252	964639	2.238	ng	98
40) Dibenzo(a,h)anthracene	25.785	278	128103	0.295	ng	# 83
41) Benzo(g,h,i)perylene	26.476	276	482163	1.015	ng	98

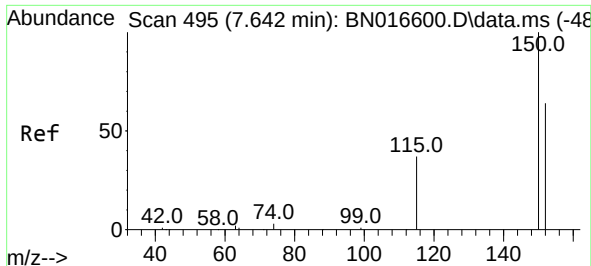
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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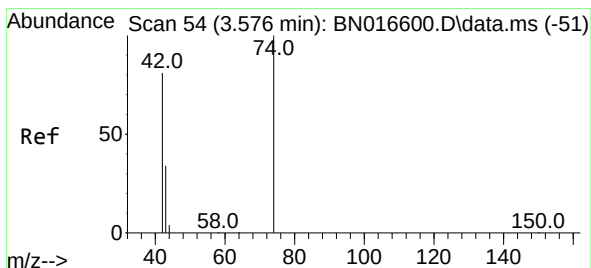
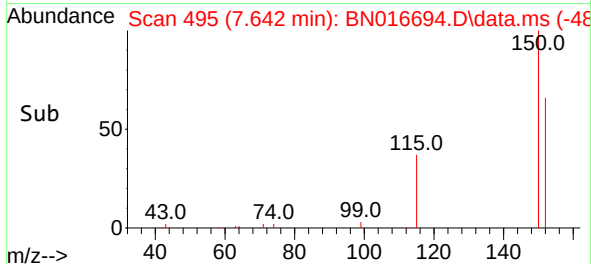
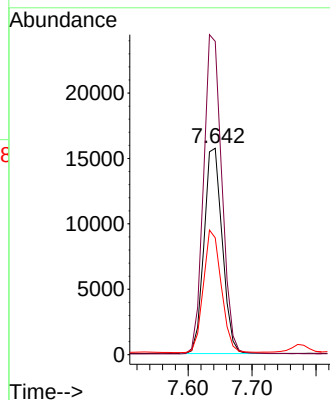
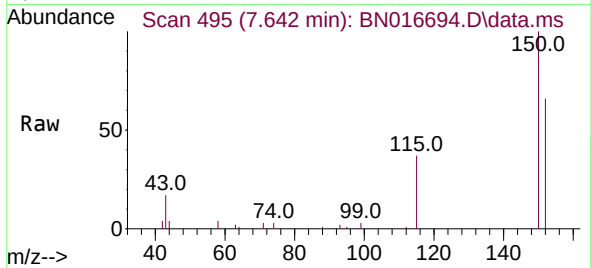




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

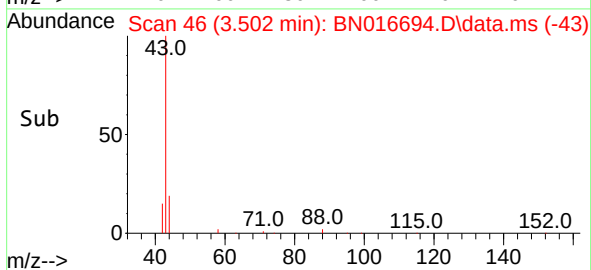
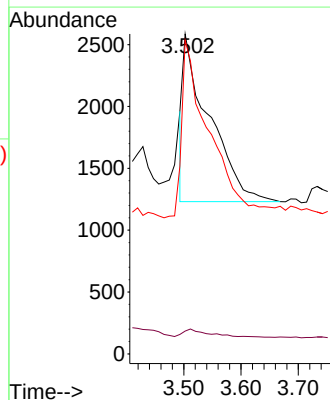
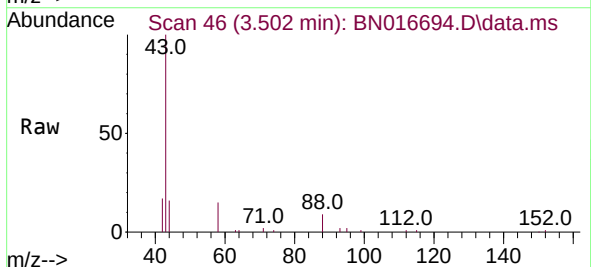
Instrument :
BNA_N
ClientSampled :

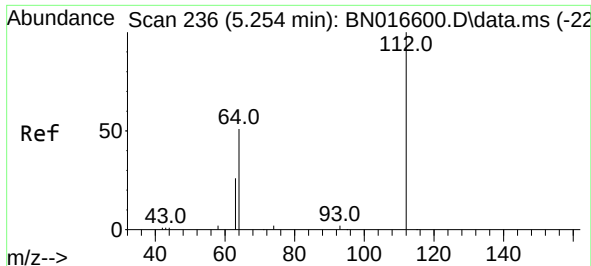
Tgt Ion:152 Resp: 31109
Ion Ratio Lower Upper
152 100
150 151.8 124.6 186.8
115 56.6 46.5 69.7



#3
n-Nitrosodimethylamine
Concen: 0.186 ng
RT: 3.502 min Scan# 46
Delta R.T. -0.073 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion: 42 Resp: 4271
Ion Ratio Lower Upper
42 100
74 4.8 121.6 182.4#
44 89.9 6.3 9.5#

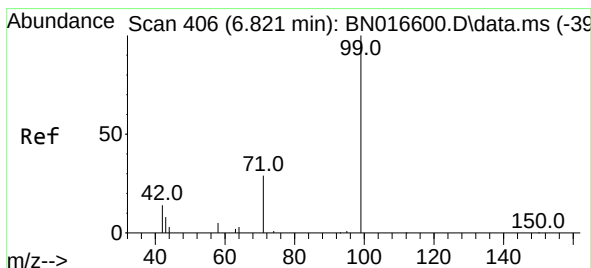
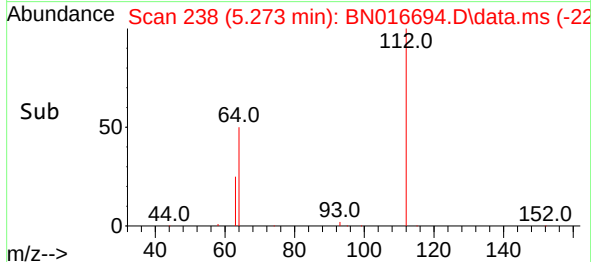
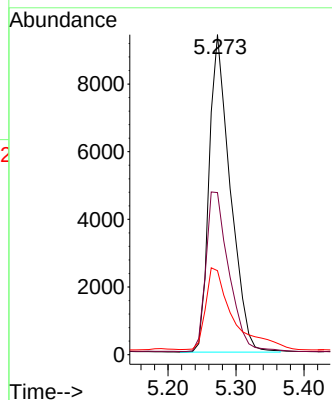
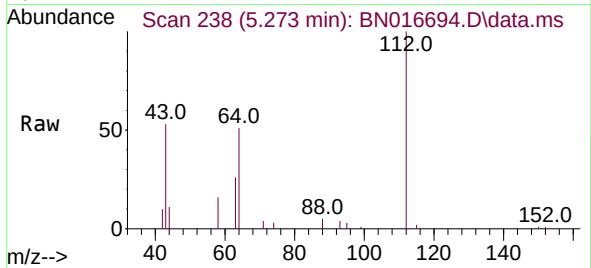




#4
2-Fluorophenol
Concen: 0.256 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

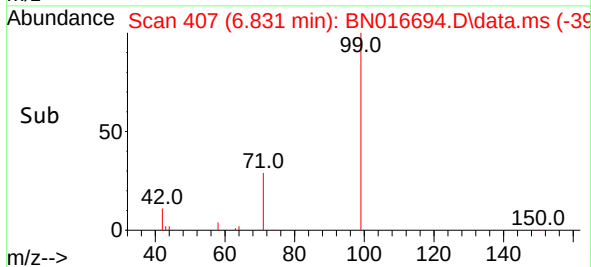
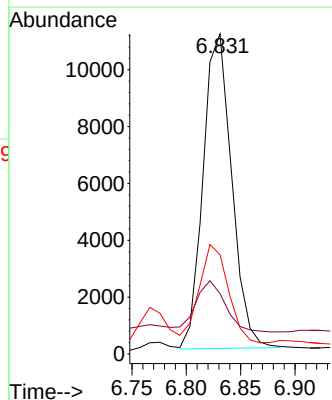
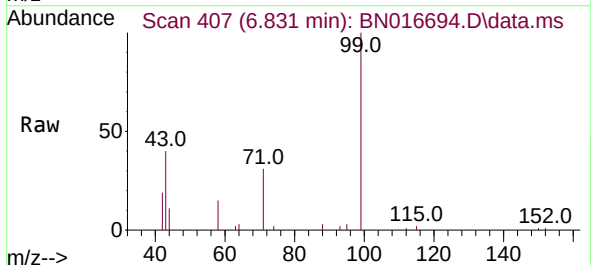
Instrument :
BNA_N
ClientSampleId :

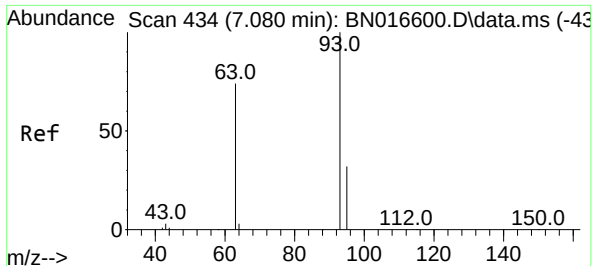
Tgt Ion:112 Resp: 20272
Ion Ratio Lower Upper
112 100
64 54.6 43.1 64.7
63 32.5 21.6 32.4#



#5
Phenol-d6
Concen: 0.234 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion: 99 Resp: 20293
Ion Ratio Lower Upper
99 100
42 16.8 13.0 19.6
71 31.8 23.5 35.3

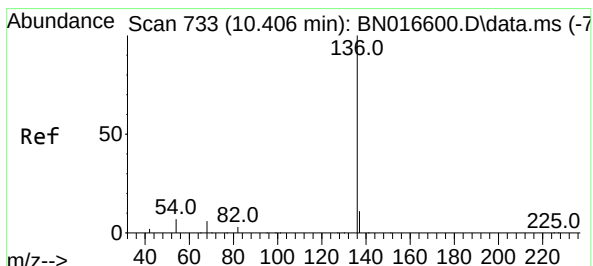
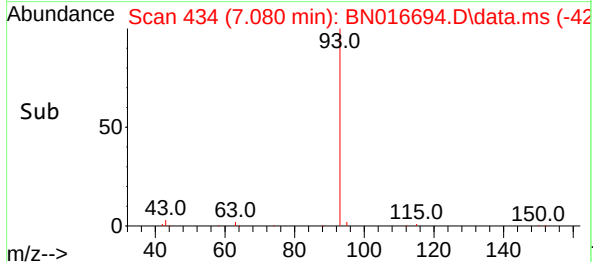
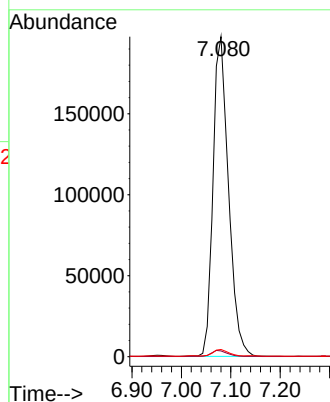
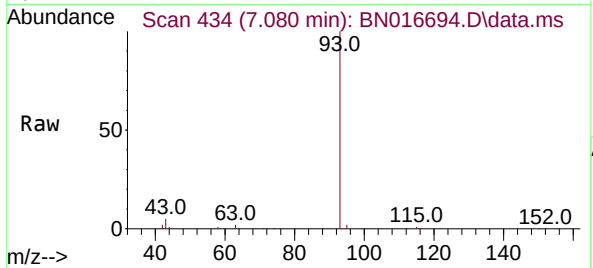




#6
bis(2-Chloroethyl)ether
Concen: 5.089 ng
RT: 7.080 min Scan# 434
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

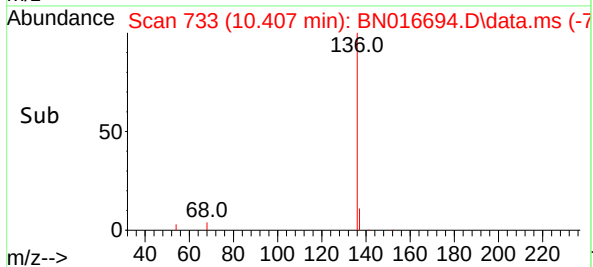
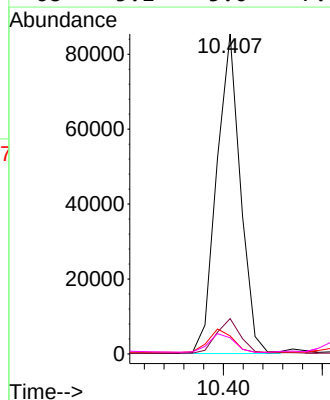
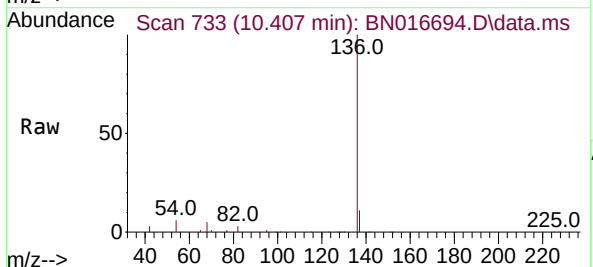
Instrument :
BNA_N
ClientSampled :

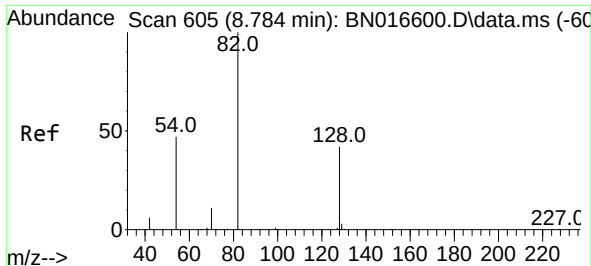
Tgt Ion: 93 Resp: 429501
Ion Ratio Lower Upper
93 100
63 2.0 59.1 88.7#
95 1.9 26.2 39.4#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion: 136 Resp: 142292
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 5.6 5.9 8.9#
68 5.1 5.0 7.6

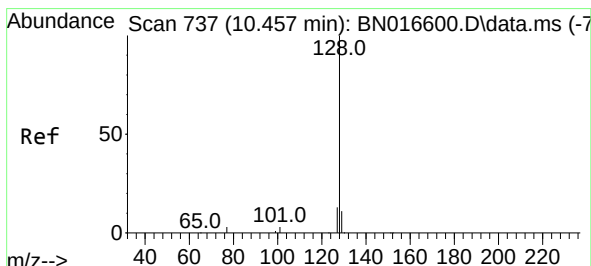
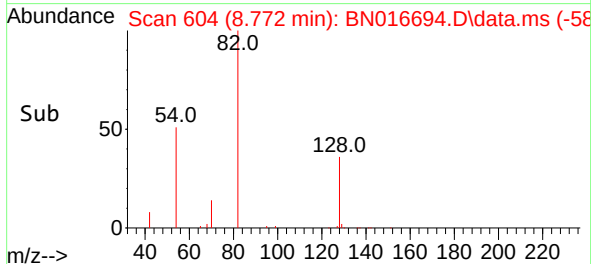
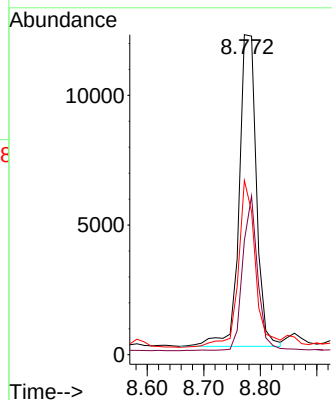
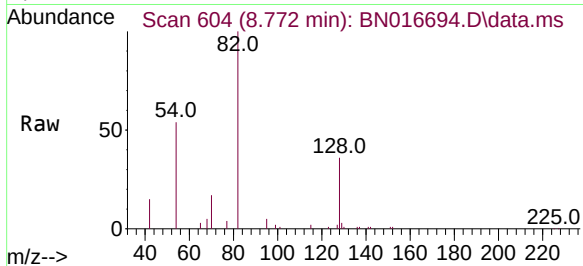




#8
Nitrobenzene-d5
Concen: 0.276 ng
RT: 8.772 min Scan# 604
Delta R.T. -0.012 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

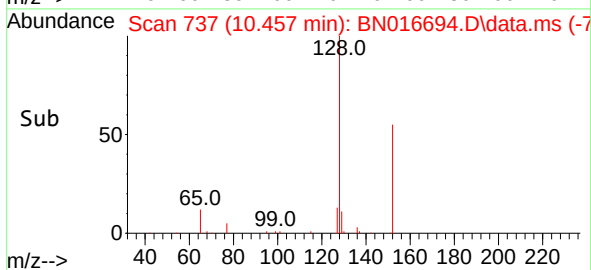
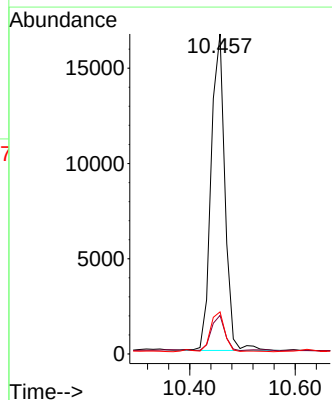
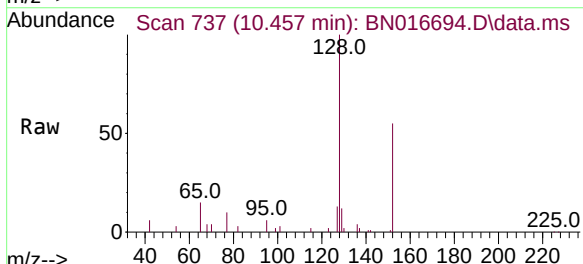
Instrument :
BNA_N
ClientSampleId :

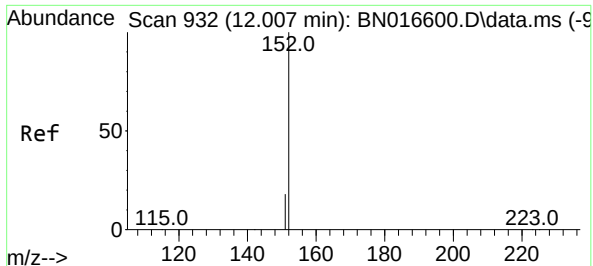
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.6	33.6	50.4
54	54.5	37.6	56.4



#9
Naphthalene
Concen: 0.078 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	13.1	10.3	15.5

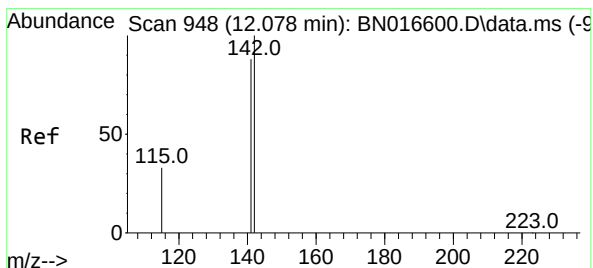
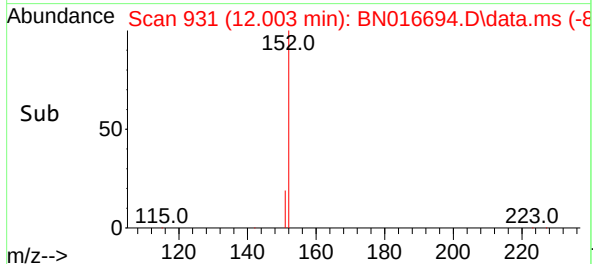
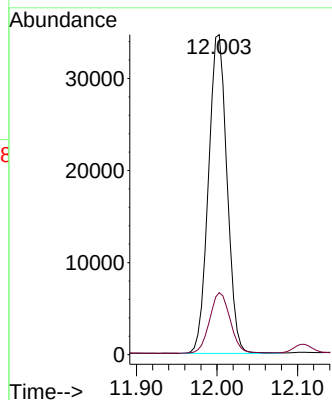
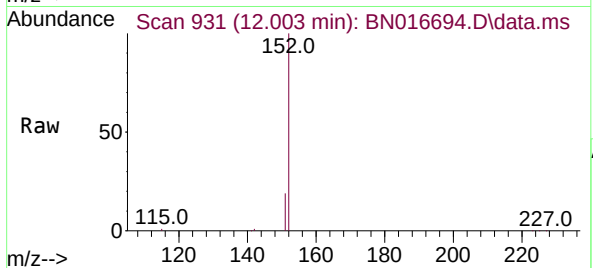




#11
2-Methylnaphthalene-d10
Concen: 0.263 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

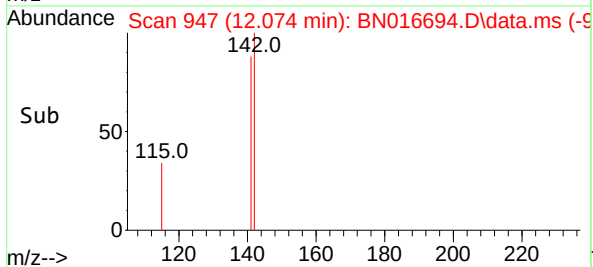
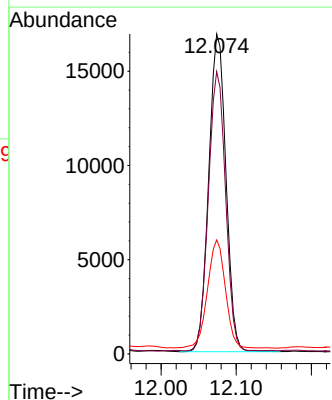
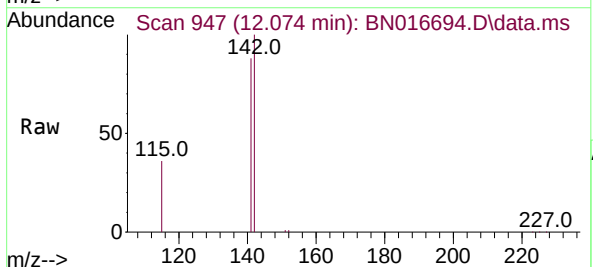
Instrument :
BNA_N
ClientSampled :

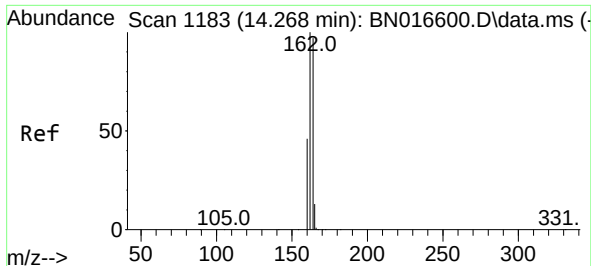
Tgt Ion:152 Resp: 55369
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.108 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.004 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:142 Resp: 26733
Ion Ratio Lower Upper
142 100
141 88.2 70.6 105.8
115 35.6 26.6 39.8

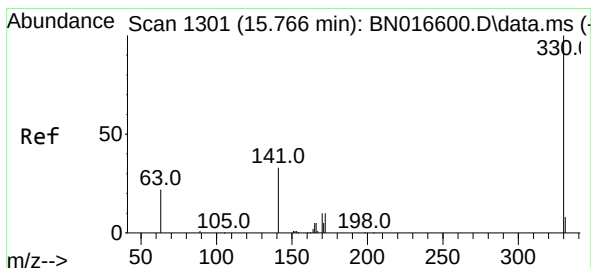
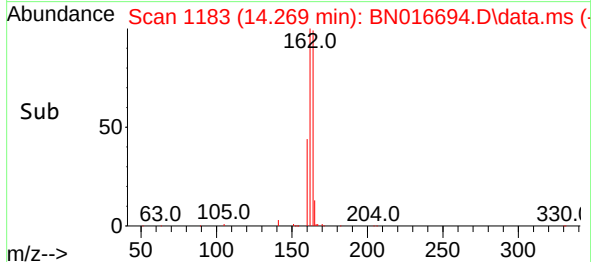
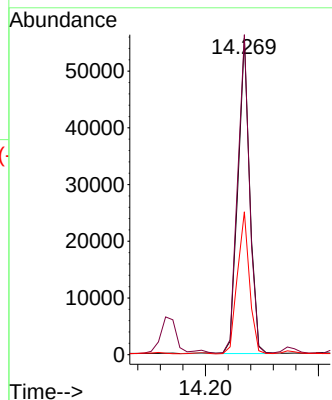
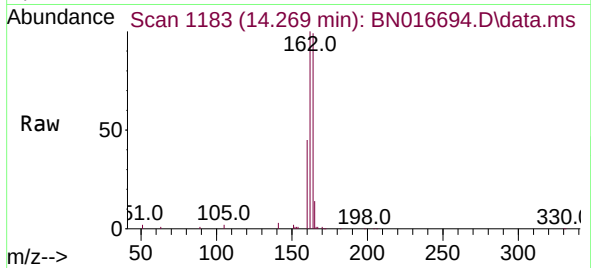




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

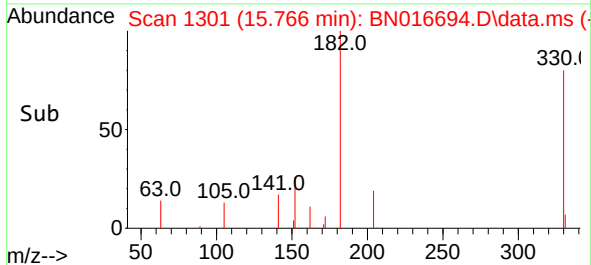
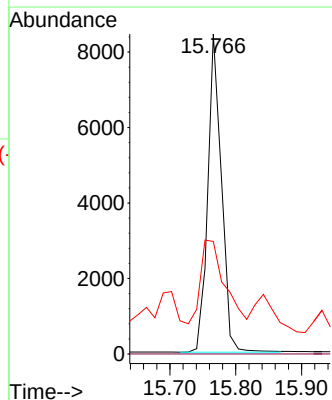
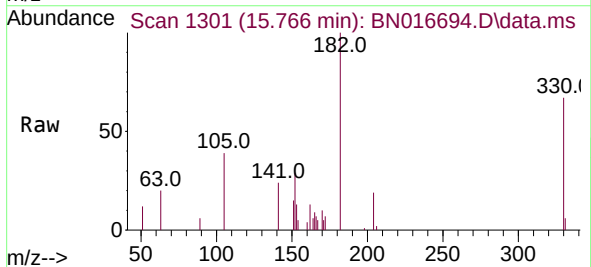
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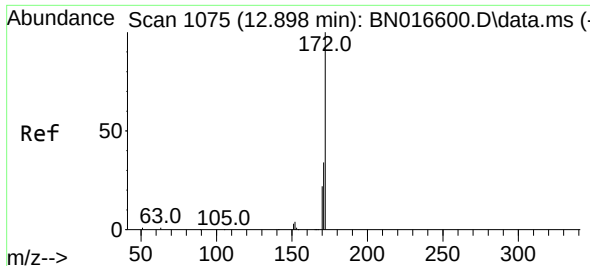
Tgt Ion:164 Resp: 81067
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.2
160 45.1 37.7 56.5



#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:330 Resp: 12145
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 45.2 25.2 37.8#

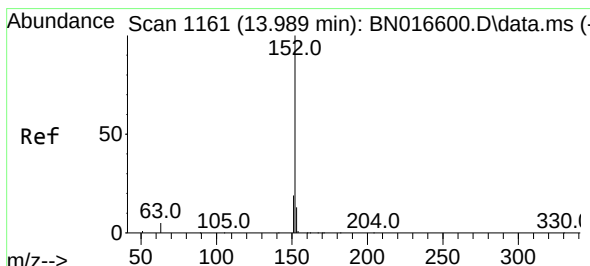
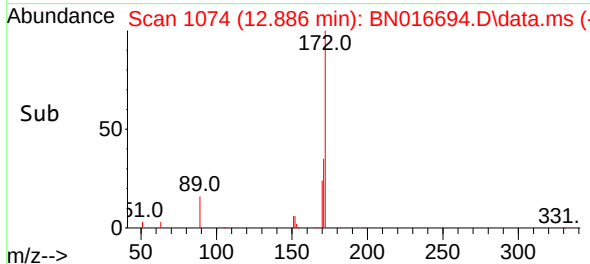
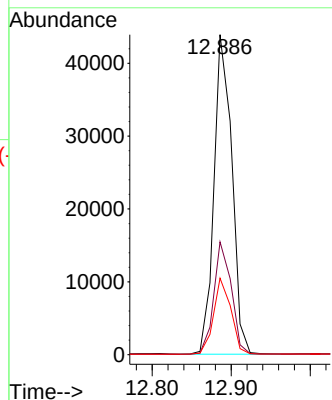
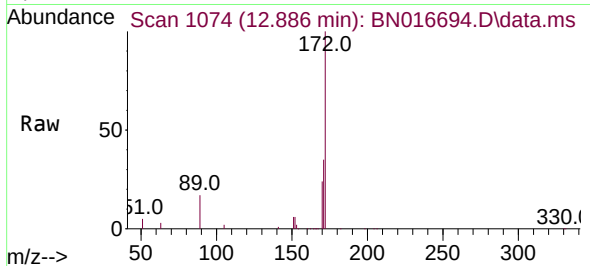




#15
2-Fluorobiphenyl
Concen: 0.210 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

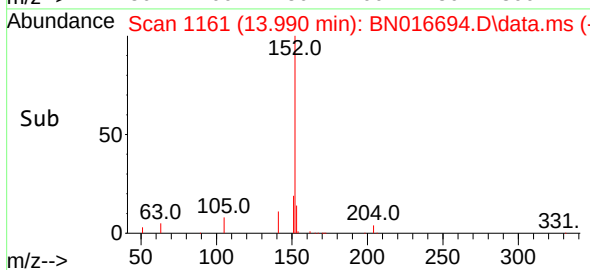
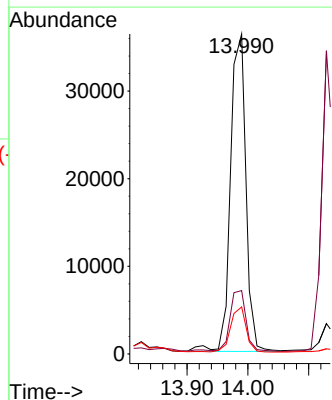
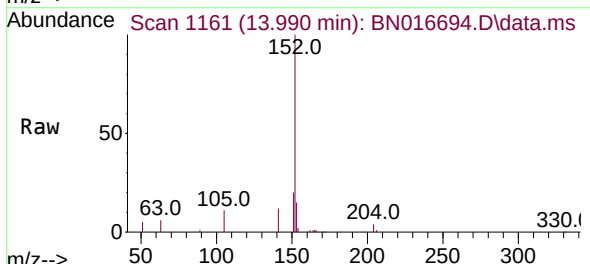
Instrument :
BNA_N
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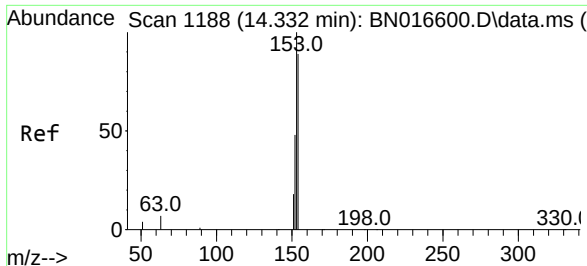
Tgt Ion:172 Resp: 68921
Ion Ratio Lower Upper
172 100
171 35.2 27.0 40.4
170 23.9 17.4 26.2



#16
Acenaphthylene
Concen: 0.180 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:152 Resp: 63895
Ion Ratio Lower Upper
152 100
151 20.1 15.5 23.3
153 14.2 10.4 15.6

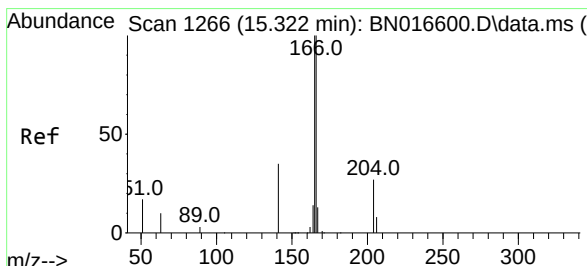
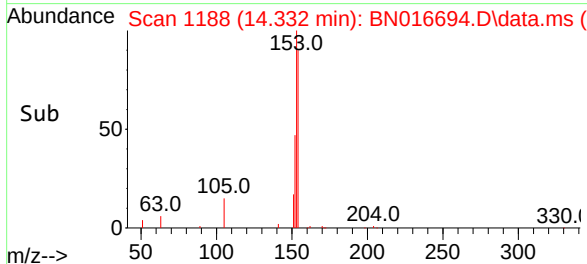
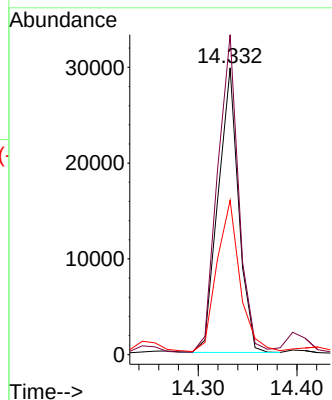
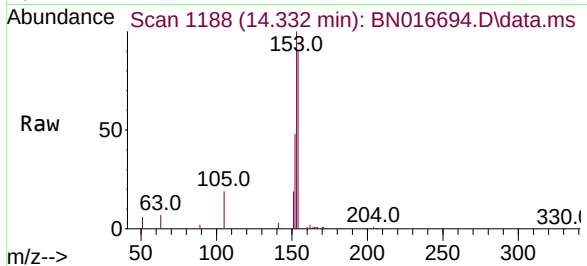




#17
Acenaphthene
Concen: 0.179 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

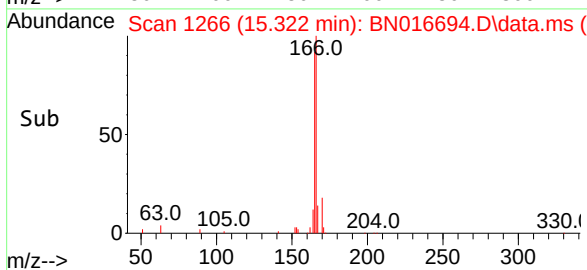
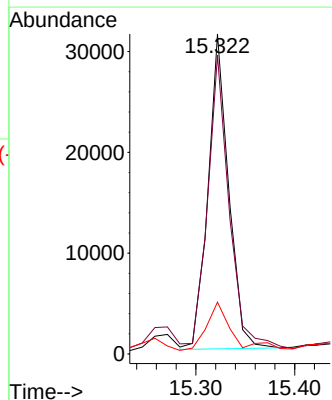
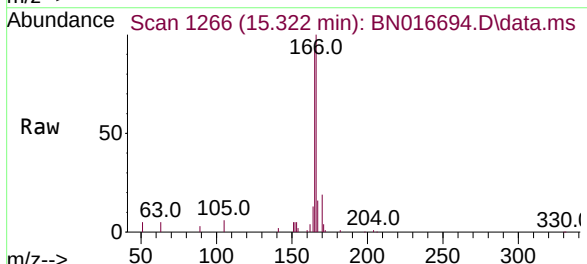
Instrument :
BNA_N
ClientSampled :

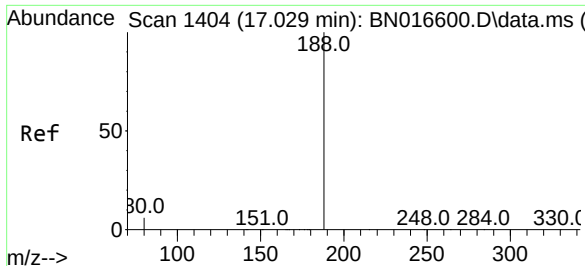
Tgt Ion:154 Resp: 42807
Ion Ratio Lower Upper
154 100
153 114.4 90.2 135.2
152 59.5 44.0 66.0



#18
Fluorene
Concen: 0.160 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:166 Resp: 45151
Ion Ratio Lower Upper
166 100
165 97.1 77.9 116.9
167 18.9 10.7 16.1#

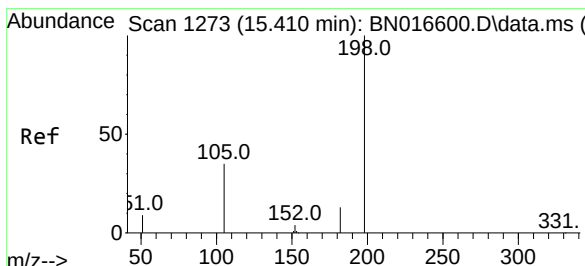
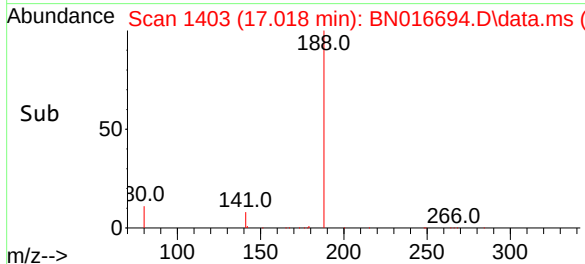
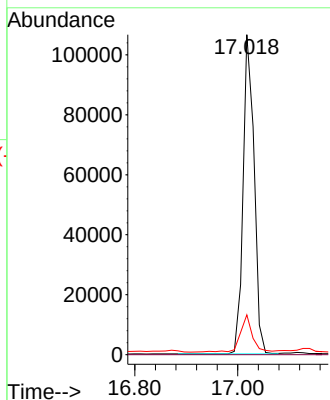
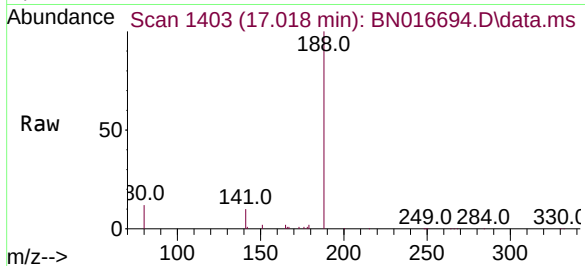




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

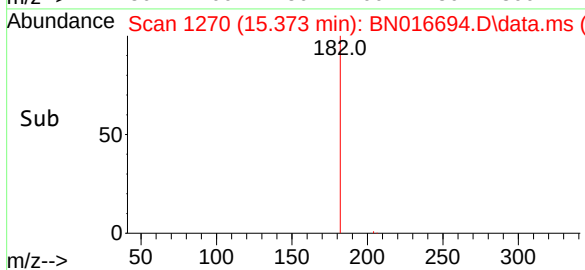
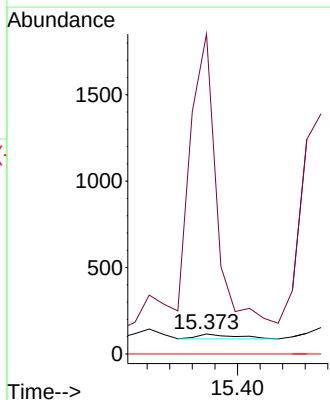
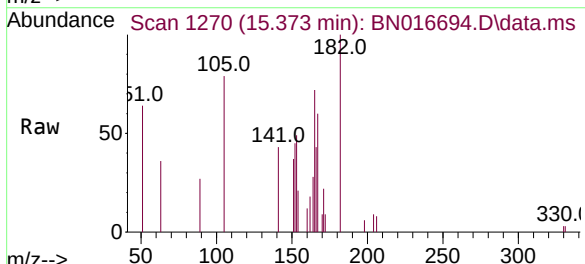
Instrument :
BNA_N
ClientSampleId :

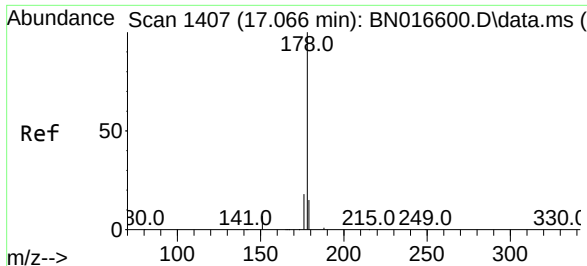
Tgt Ion:188 Resp: 158378
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 5.0 7.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.140 ng
RT: 15.373 min Scan# 1270
Delta R.T. -0.037 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:198 Resp: 65
Ion Ratio Lower Upper
198 100
182 1610.4 11.8 17.8#
77 0.0 0.0 0.0

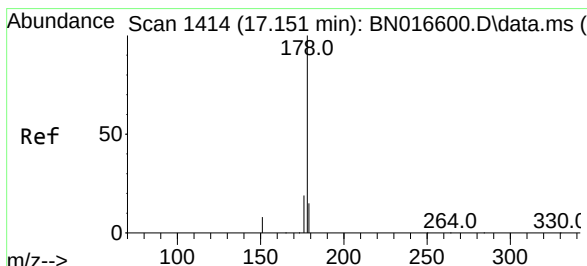
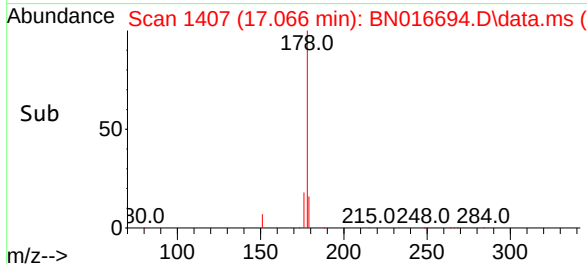
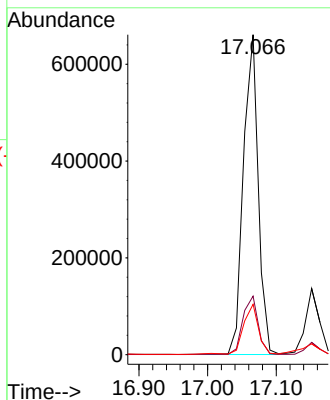
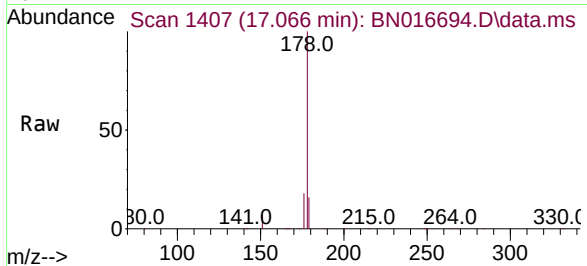




#25
Phenanthrene
Concen: 2.081 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

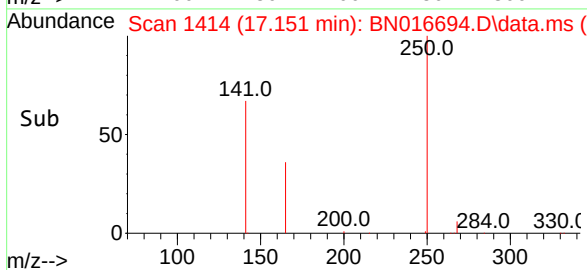
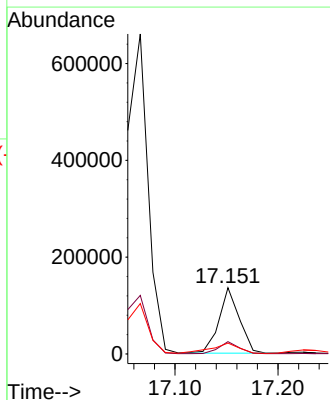
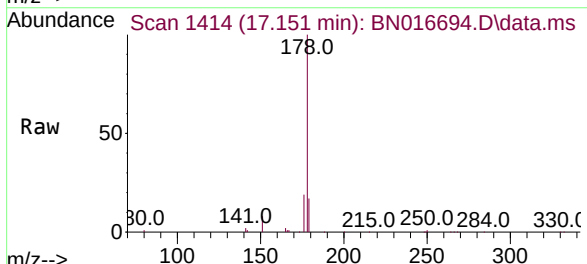
Instrument :
BNA_N
ClientSampleId :

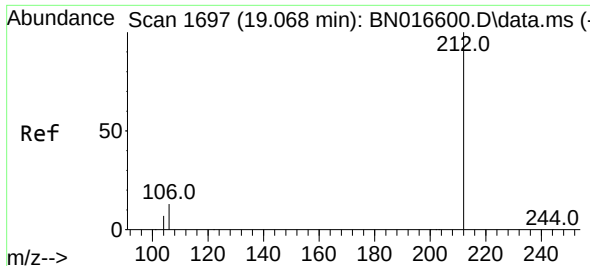
Tgt Ion:178 Resp: 991678
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 16.0 12.2 18.4



#26
Anthracene
Concen: 0.449 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:178 Resp: 184716
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 21.5 12.2 18.4#

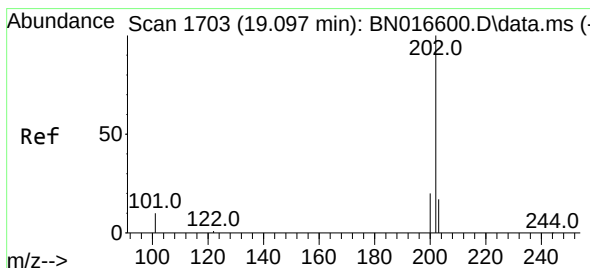
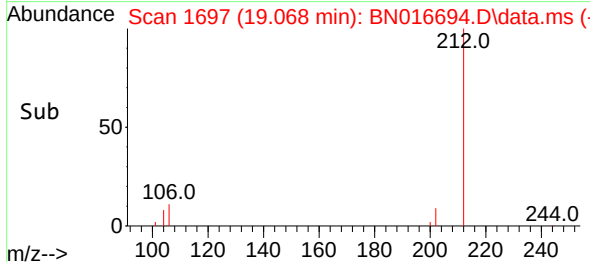
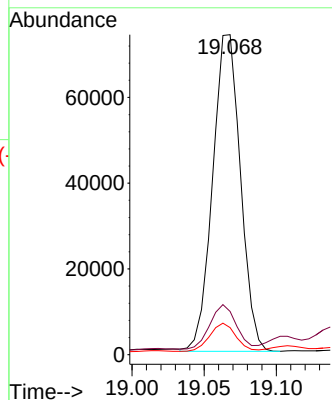
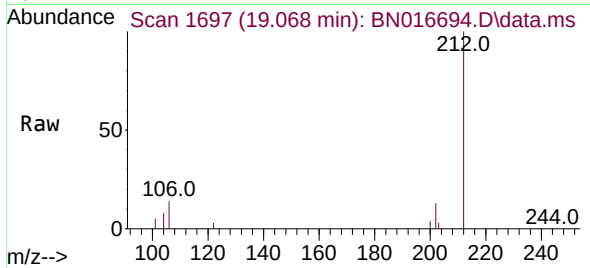




#27
Fluoranthene-d10
Concen: 0.236 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

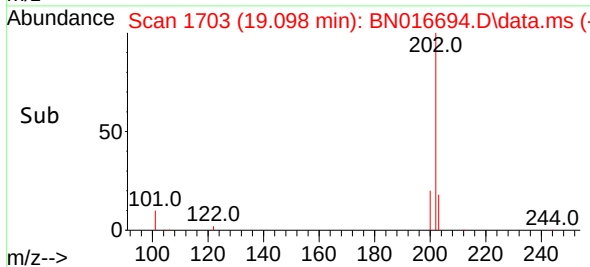
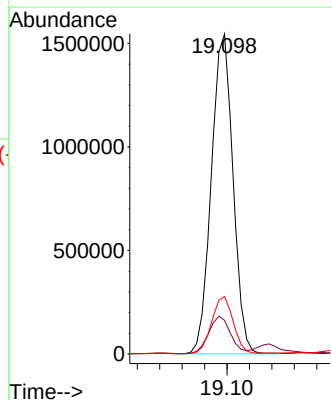
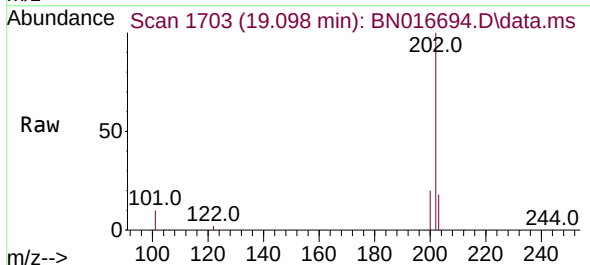
Instrument :
BNA_N
ClientSampleId :

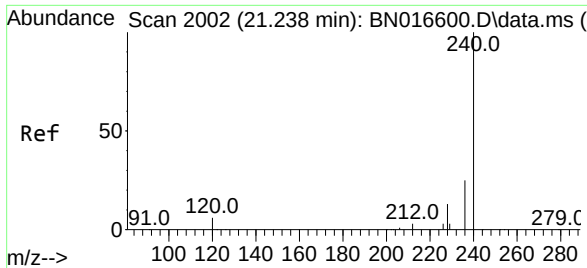
Tgt Ion:212 Resp: 99238
Ion Ratio Lower Upper
212 100
106 13.1 10.6 16.0
104 8.5 5.9 8.9



#28
Fluoranthene
Concen: 4.026 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:202 Resp: 2071318
Ion Ratio Lower Upper
202 100
101 11.8 9.0 13.4
203 17.7 13.8 20.6

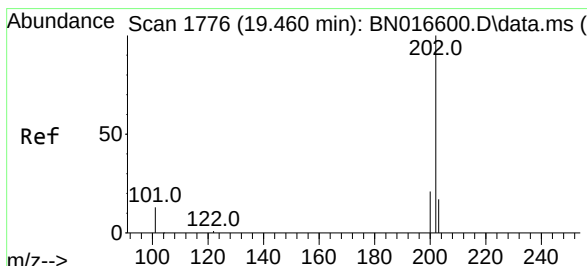
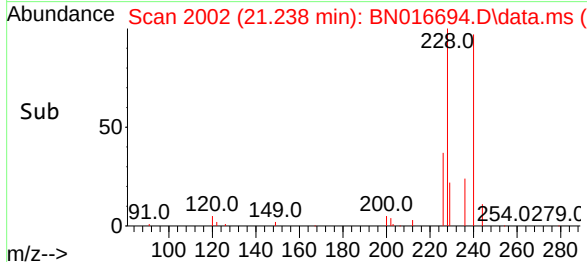
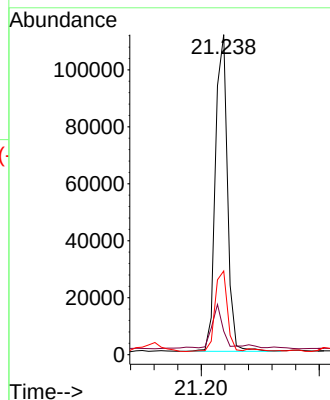
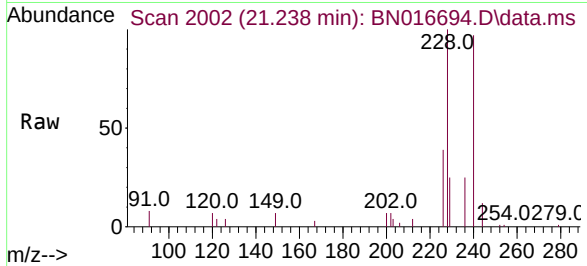




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

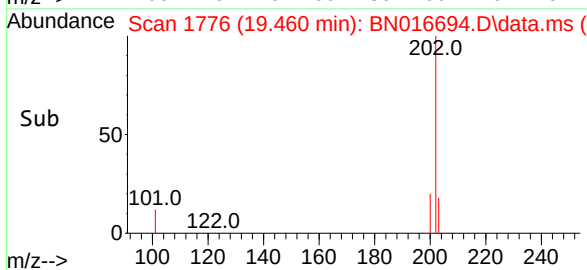
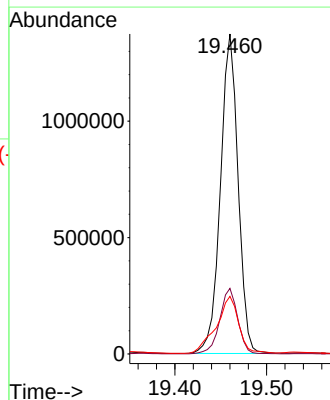
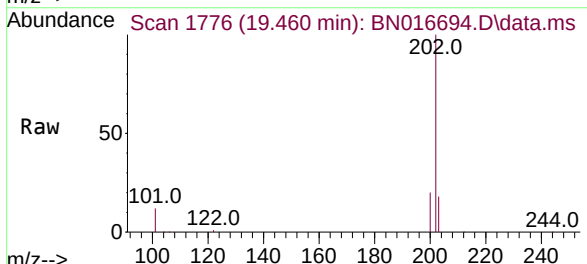
Instrument :
BNA_N
ClientSampled :

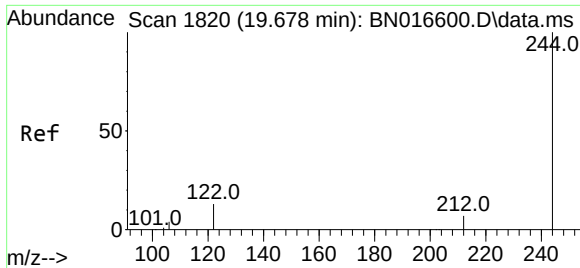
Tgt Ion:240 Resp: 156707
Ion Ratio Lower Upper
240 100
120 7.3 5.0 7.4
236 26.1 20.4 30.6



#30
Pyrene
Concen: 3.634 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:202 Resp: 1842745
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 22.6 14.0 21.0#

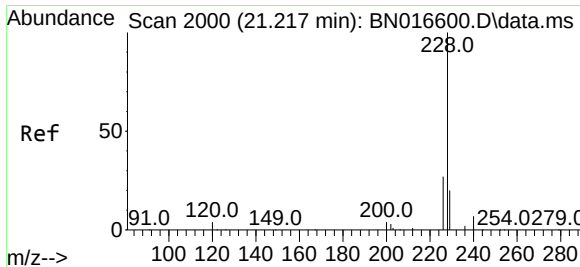
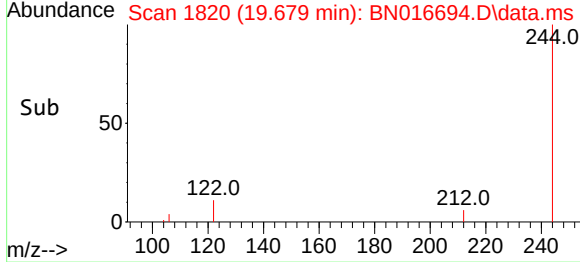
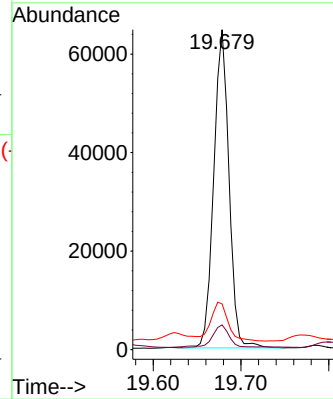
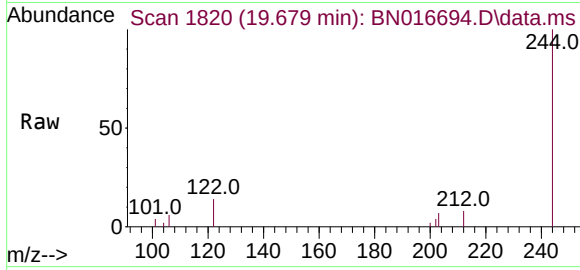




#31
Terphenyl-d14
Concen: 0.228 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

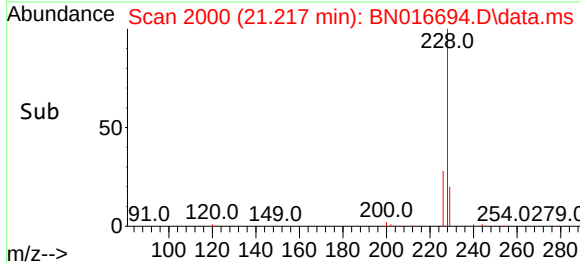
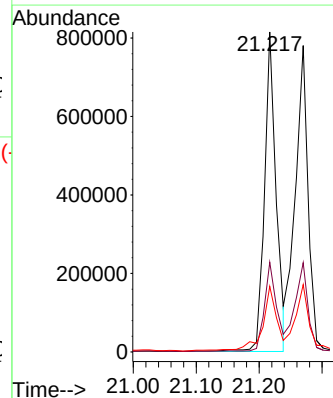
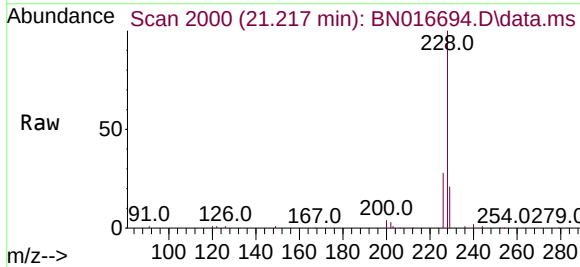
Instrument :
BNA_N
ClientSampled :

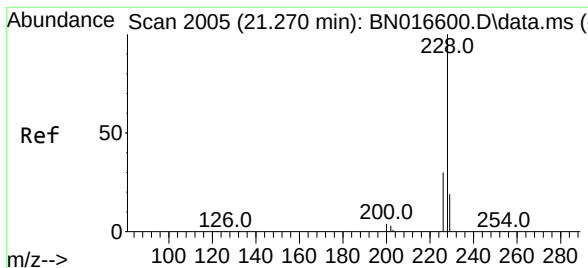
Tgt Ion:244 Resp: 77610
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 14.3 10.1 15.1



#32
Benzo(a)anthracene
Concen: 2.177 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:228 Resp: 1047211
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 20.5 15.7 23.5





#33

Chrysene

Concen: 2.245 ng

RT: 21.270 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BN016694.D

Acq: 03 Oct 2021 06:24

Instrument :

BNA_N

ClientSampled :

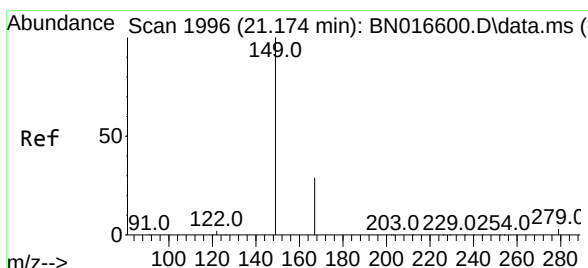
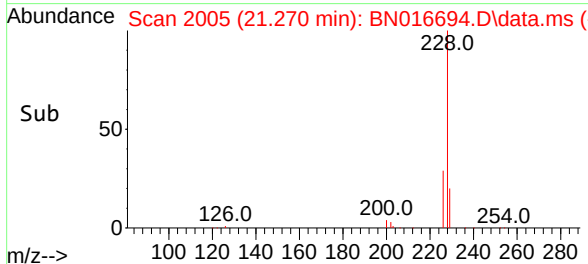
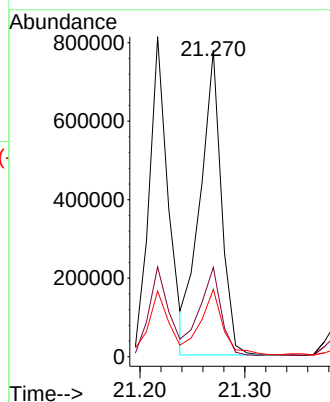
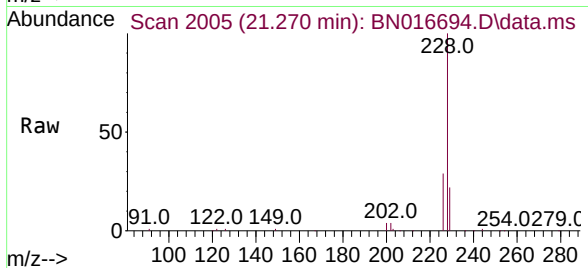
Tgt Ion:228 Resp: 1093514

Ion Ratio Lower Upper

228 100

226 29.1 23.7 35.5

229 22.0 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.783 ng

RT: 21.164 min Scan# 1995

Delta R.T. -0.010 min

Lab File: BN016694.D

Acq: 03 Oct 2021 06:24

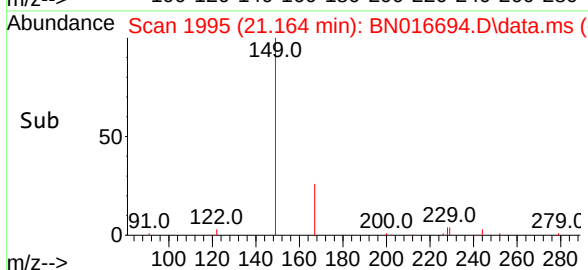
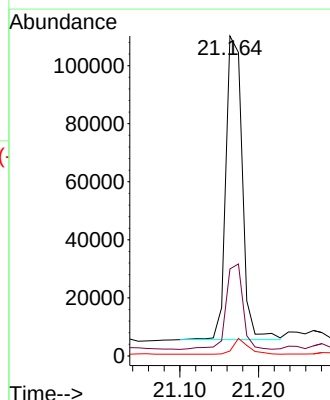
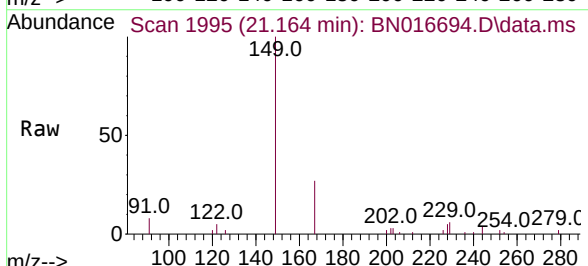
Tgt Ion:149 Resp: 150070

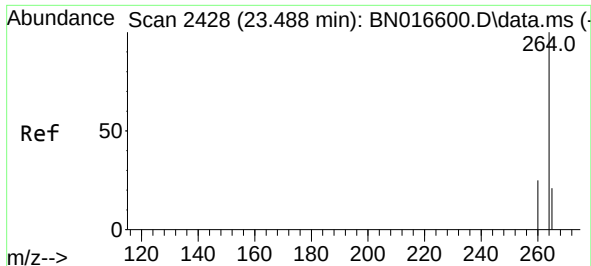
Ion Ratio Lower Upper

149 100

167 29.0 22.2 33.4

279 4.9 3.2 4.8#

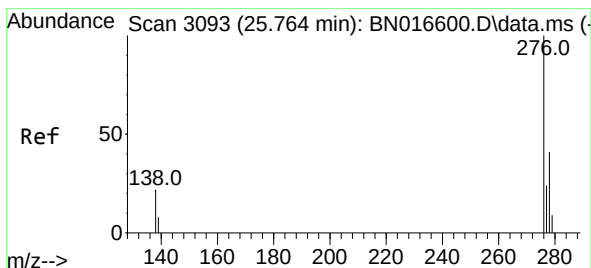
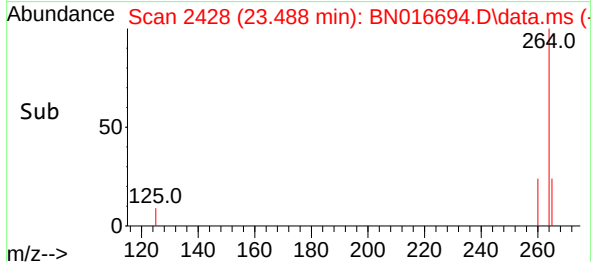
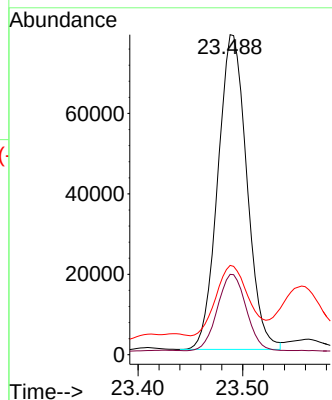
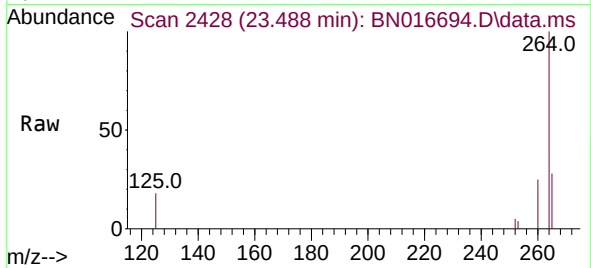




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.488 min Scan# 2428
 Delta R.T. 0.000 min
 Lab File: BN016694.D
 Acq: 03 Oct 2021 06:24

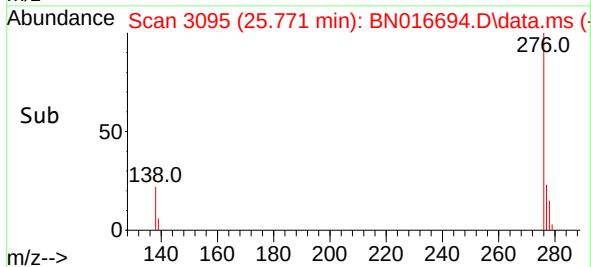
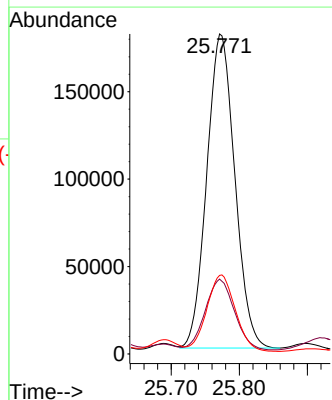
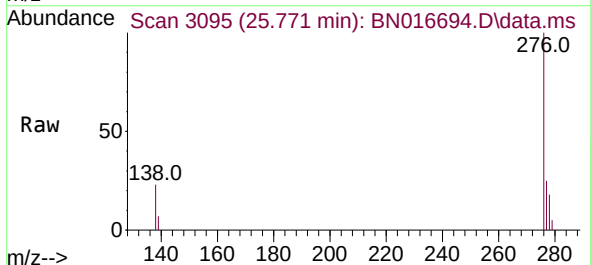
Instrument :
 BNA_N
 ClientSampleId :

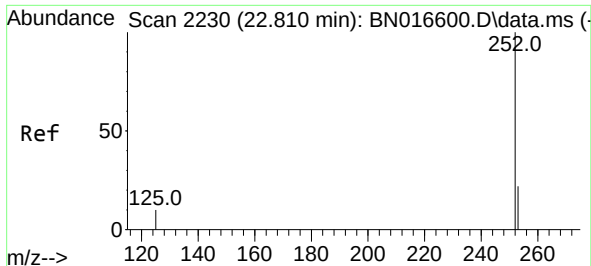
Tgt Ion:	264	Resp:	150614
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.9	29.9
265	27.9	19.2	28.8



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.956 ng
 RT: 25.771 min Scan# 3095
 Delta R.T. 0.007 min
 Lab File: BN016694.D
 Acq: 03 Oct 2021 06:24

Tgt Ion:	276	Resp:	513823
Ion Ratio	Lower	Upper	
276	100		
138	23.4	19.5	29.3
277	24.7	19.9	29.9

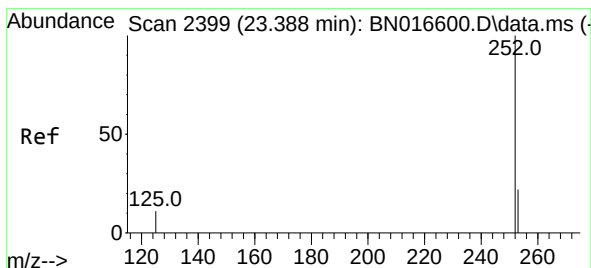
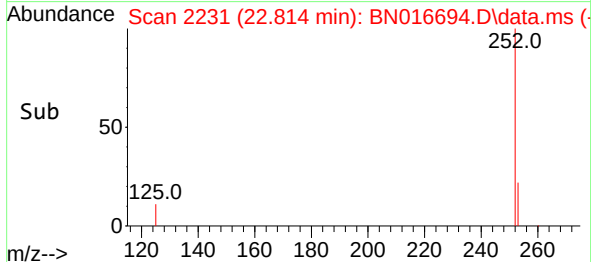
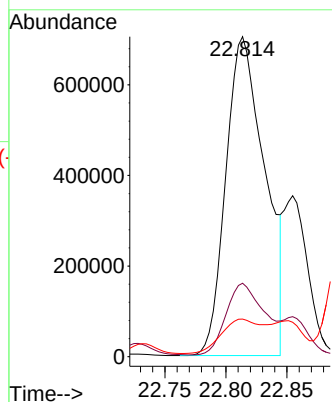
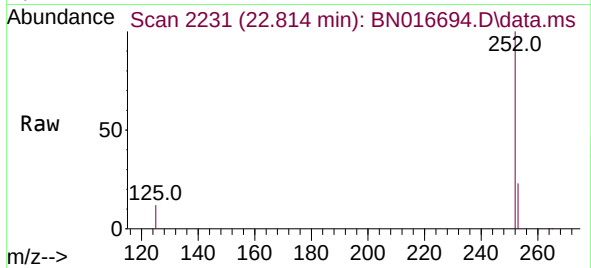




#37
Benzo(b)fluoranthene
Concen: 3.242 ng
RT: 22.814 min Scan# 2231
Delta R.T. 0.004 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

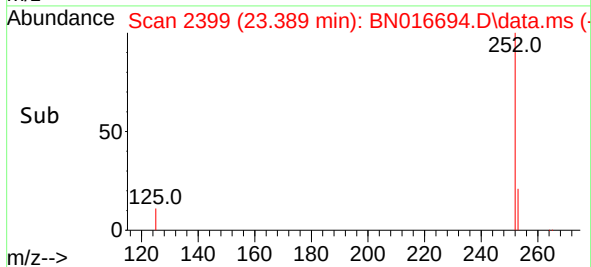
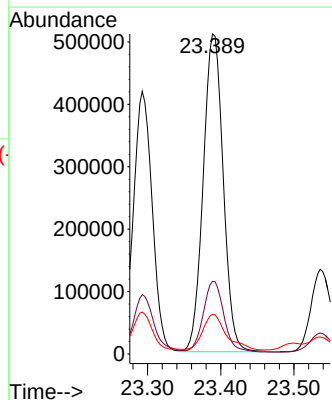
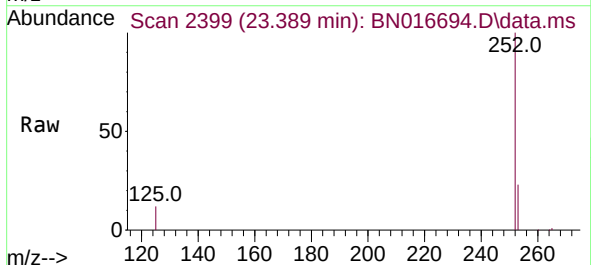
Instrument :
BNA_N
ClientSampleId :

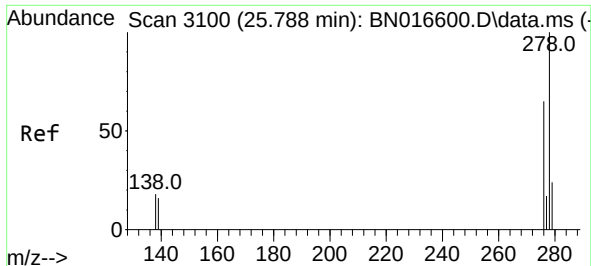
Tgt Ion:252 Resp: 1569129
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 11.8 8.0 12.0



#39
Benzo(a)pyrene
Concen: 2.238 ng
RT: 23.389 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:252 Resp: 964639
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 12.3 9.0 13.4





#40

Dibenzo(a,h)anthracene

Concen: 0.295 ng

RT: 25.785 min Scan# 3099

Delta R.T. -0.003 min

Lab File: BN016694.D

Acq: 03 Oct 2021 06:24

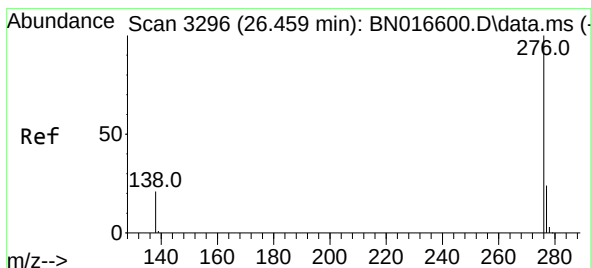
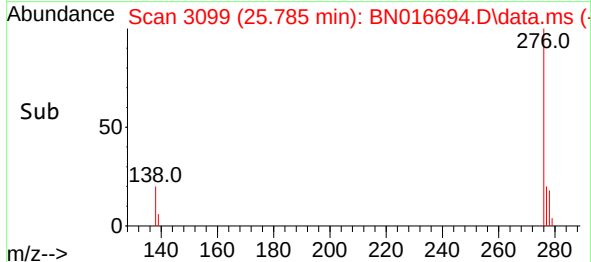
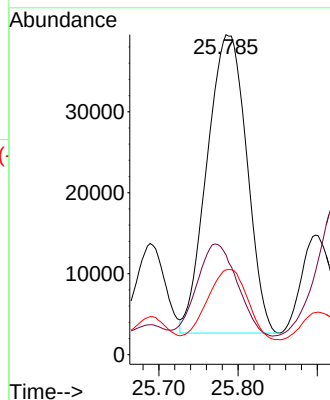
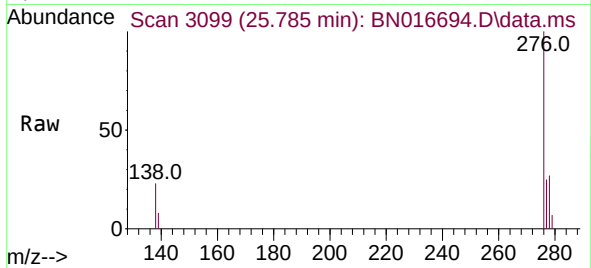
Tgt Ion:278 Resp: 128103

Ion Ratio Lower Upper

278 100

139 31.3 13.1 19.7#

279 26.5 19.1 28.7



#41

Benzo(g,h,i)perylene

Concen: 1.015 ng

RT: 26.476 min Scan# 3301

Delta R.T. 0.017 min

Lab File: BN016694.D

Acq: 03 Oct 2021 06:24

Tgt Ion:276 Resp: 482163

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 22.6 16.9 25.3

