

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016697.D
 Acq On : 03 Oct 2021 08:12
 Operator : CG/JU
 Sample : M3892-13
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-826-N-SO-0-0.5-092221

Quant Time: Oct 04 03:37:37 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

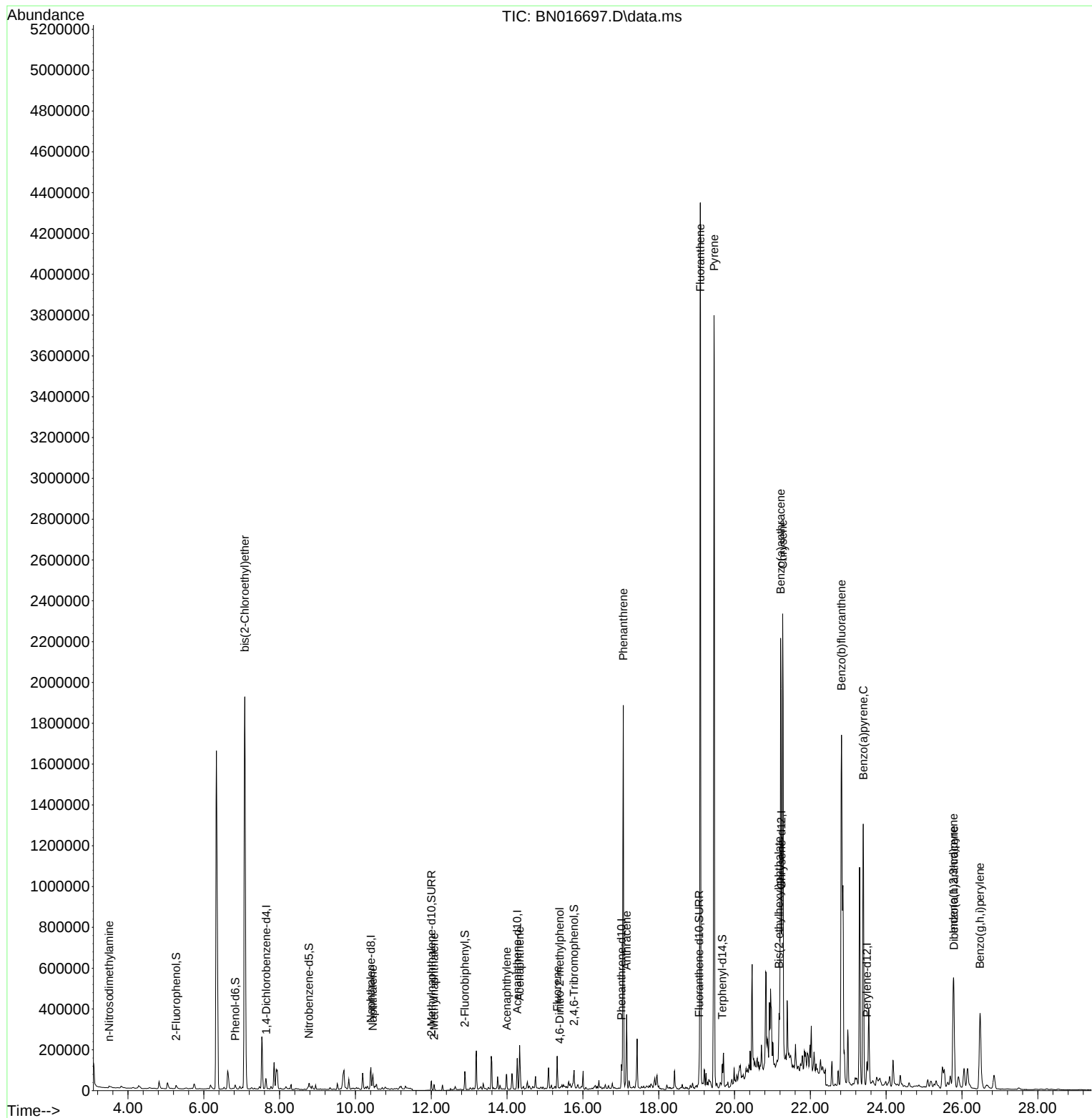
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.643	152	30050	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	141431	0.400	ng	# 0.00
13) Acenaphthene-d10	14.269	164	80674	0.400	ng	0.00
19) Phenanthrene-d10	17.018	188	159419	0.400	ng	#-0.01
29) Chrysene-d12	21.238	240	161136	0.400	ng	# 0.00
35) Perylene-d12	23.495	264	144999	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	21116	0.276	ng	0.02
5) Phenol-d6	6.831	99	21411	0.256	ng	0.00
8) Nitrobenzene-d5	8.772	82	26821	0.291	ng	-0.01
11) 2-Methylnaphthalene-d10	12.003	152	59635	0.285	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12964	0.353	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	75733	0.232	ng	-0.01
27) Fluoranthene-d10	19.068	212	121033	0.286	ng	0.00
31) Terphenyl-d14	19.679	244	103451	0.295	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.502	42	3622	0.163	ng	# 1
6) bis(2-Chloroethyl)ether	7.080	93	4102437	50.324	ng	# 24
9) Naphthalene	10.457	128	27632	0.072	ng	98
12) 2-Methylnaphthalene	12.074	142	19420	0.079	ng	97
16) Acenaphthylene	13.990	152	62302	0.177	ng	99
17) Acenaphthene	14.332	154	93004	0.392	ng	99
18) Fluorene	15.322	166	98118	0.349	ng	88
20) 4,6-Dinitro-2-methylph...	15.385	198	81	0.140	ng	# 1
25) Phenanthrene	17.066	178	1853392	3.863	ng	99
26) Anthracene	17.152	178	346319	0.836	ng	# 93
28) Fluoranthene	19.098	202	3953910	7.635	ng	98
30) Pyrene	19.460	202	3548752	6.807	ng	# 93
32) Benzo(a)anthracene	21.217	228	1882576	3.806	ng	97
33) Chrysene	21.270	228	2034829	4.063	ng	97
34) Bis(2-ethylhexyl)phtha...	21.174	149	233823	1.186	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.774	276	886499	1.713	ng	97
37) Benzo(b)fluoranthene	22.821	252	2889565	6.202	ng	98
39) Benzo(a)pyrene	23.396	252	1791942	4.318	ng	98
40) Dibenzo(a,h)anthracene	25.788	278	224510	0.538	ng	# 90
41) Benzo(g,h,i)perylene	26.476	276	795144	1.738	ng	98

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

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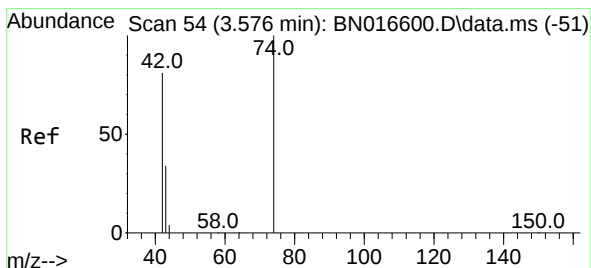
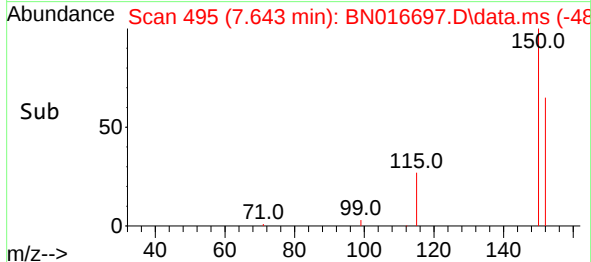
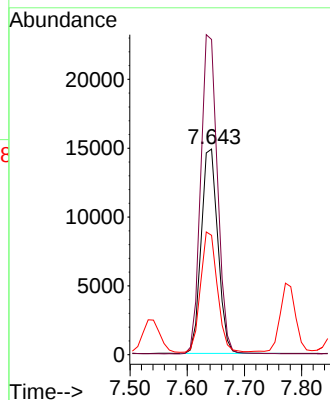
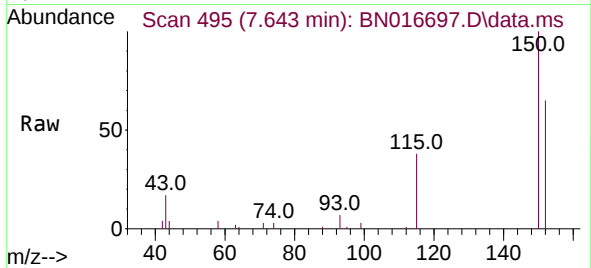




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.643 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

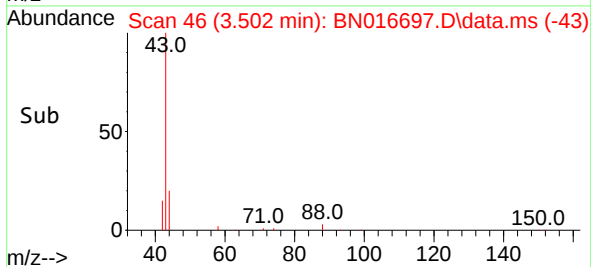
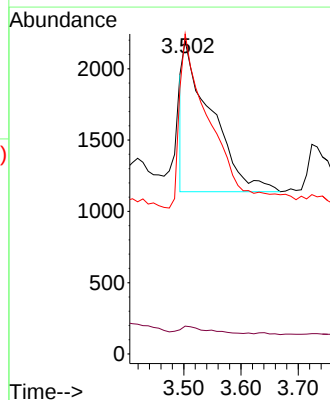
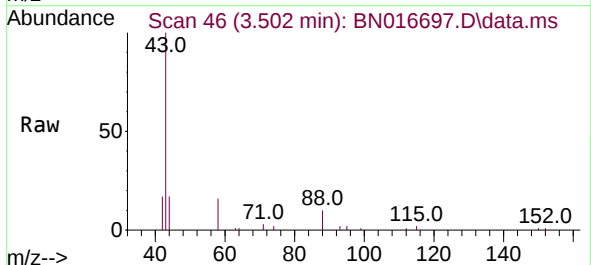
Instrument :
BNA_N
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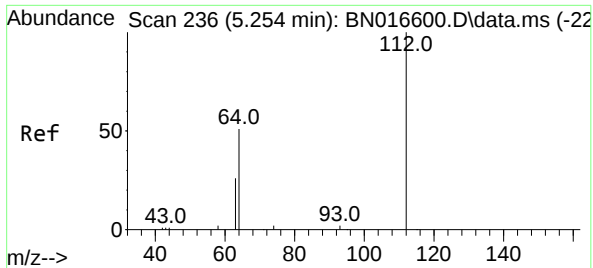
Tgt Ion:152 Resp: 30050
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 58.1 46.5 69.7



#3
n-Nitrosodimethylamine
Concen: 0.163 ng
RT: 3.502 min Scan# 46
Delta R.T. -0.073 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion: 42 Resp: 3622
Ion Ratio Lower Upper
42 100
74 3.8 121.6 182.4#
44 88.7 6.3 9.5#

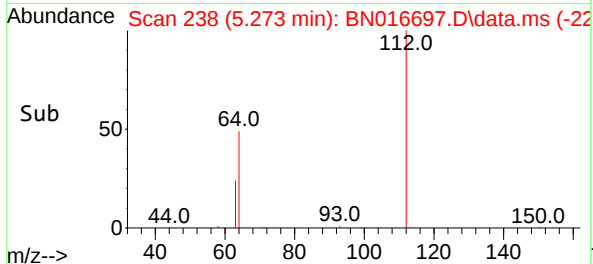
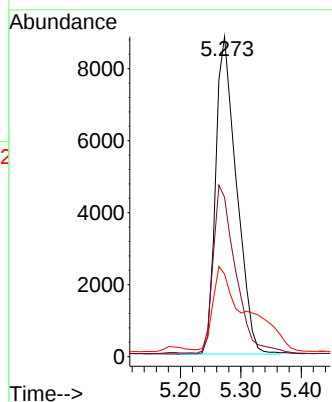
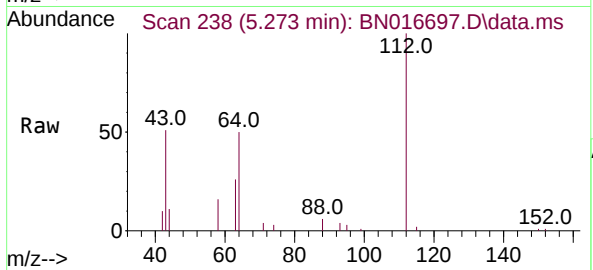




#4
2-Fluorophenol
Concen: 0.276 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

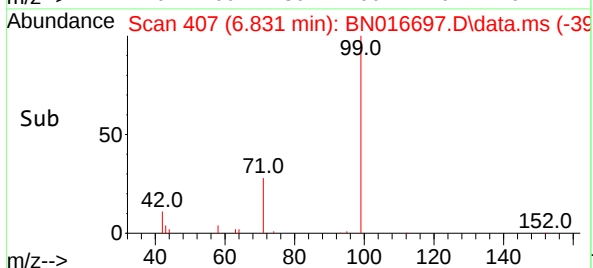
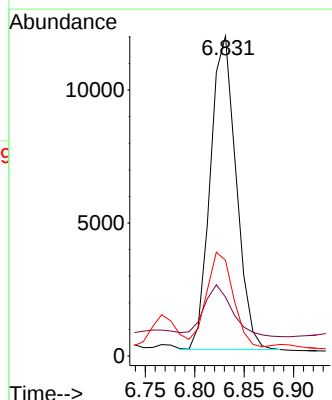
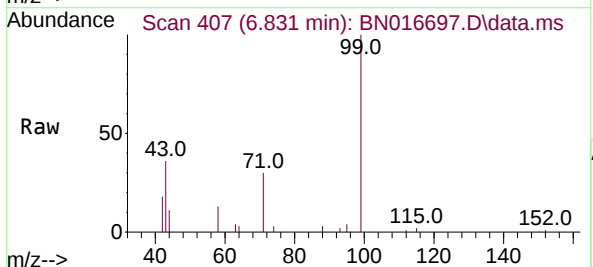
Instrument :
BNA_N
ClientSampleId :
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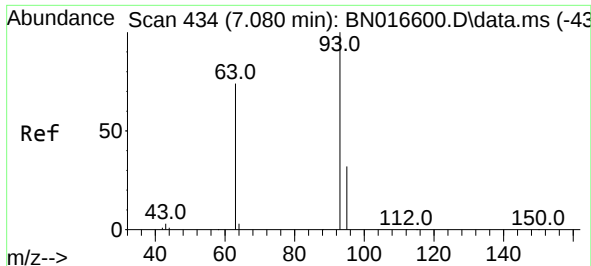
Tgt Ion:112 Resp: 21116
Ion Ratio Lower Upper
112 100
64 56.0 43.1 64.7
63 40.8 21.6 32.4#



#5
Phenol-d6
Concen: 0.256 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion: 99 Resp: 21411
Ion Ratio Lower Upper
99 100
42 18.0 13.0 19.6
71 31.0 23.5 35.3

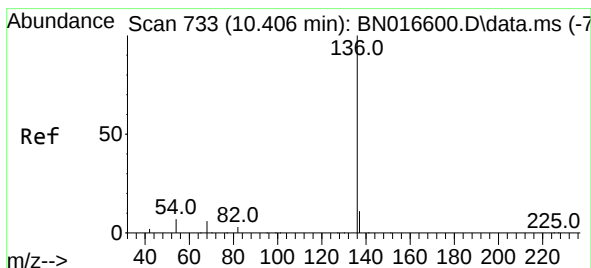
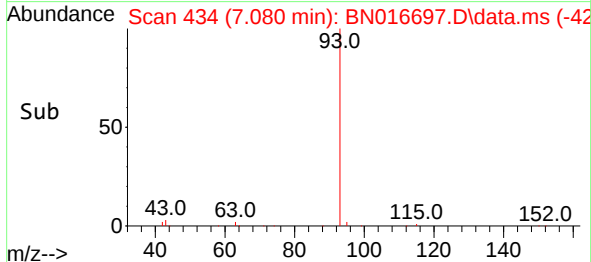
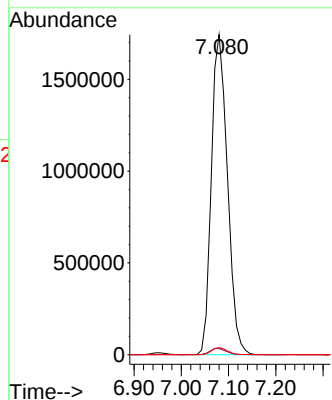
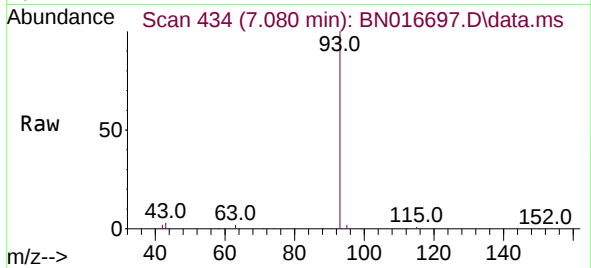




#6
bis(2-Chloroethyl)ether
Concen: 50.324 ng
RT: 7.080 min Scan# 434
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

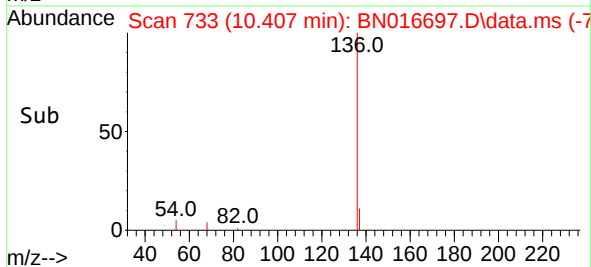
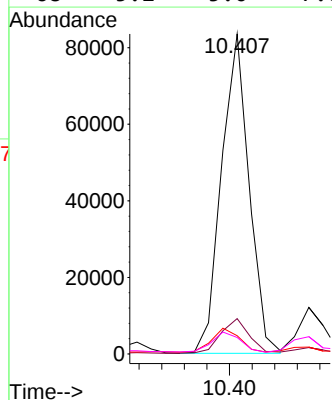
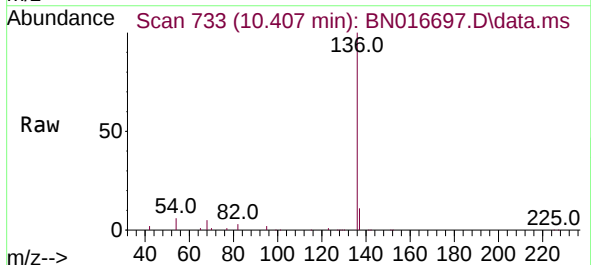
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

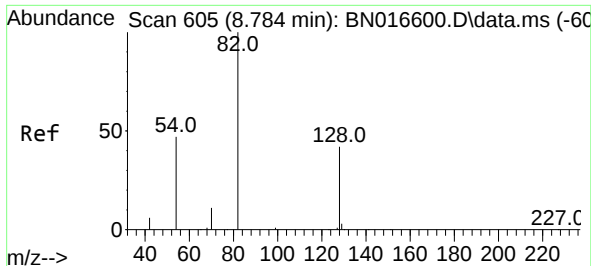
Tgt Ion: 93 Resp: 4102437
Ion Ratio Lower Upper
93 100
63 1.9 59.1 88.7#
95 2.1 26.2 39.4#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:136 Resp: 141431
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 5.7 5.9 8.9#
68 5.2 5.0 7.6

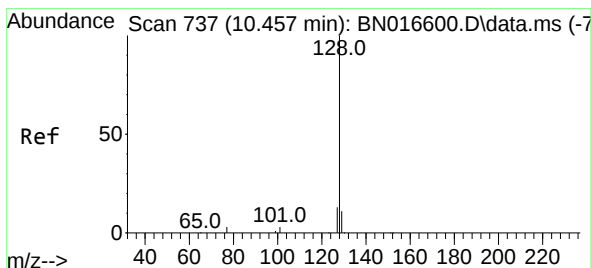
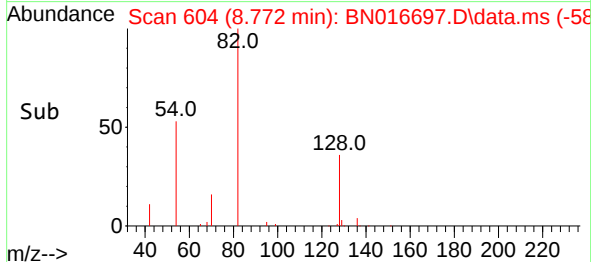
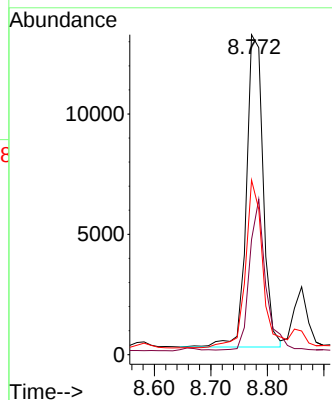
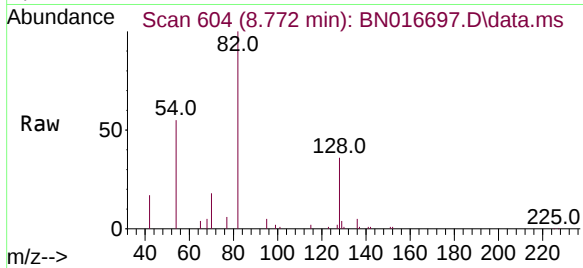




#8
Nitrobenzene-d5
Concen: 0.291 ng
RT: 8.772 min Scan# 604
Delta R.T. -0.012 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

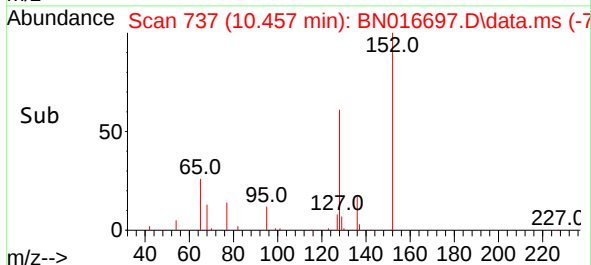
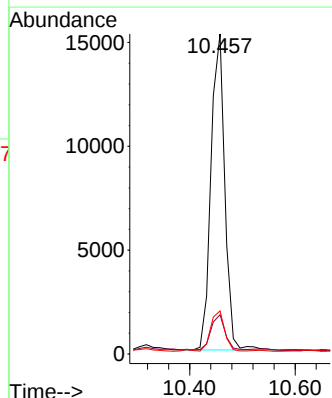
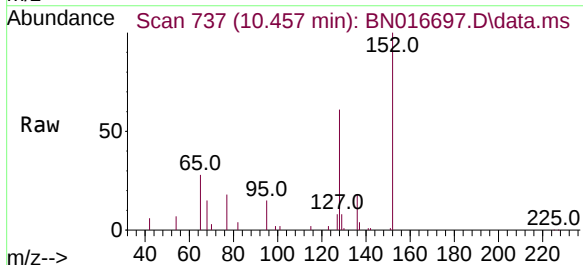
Instrument :
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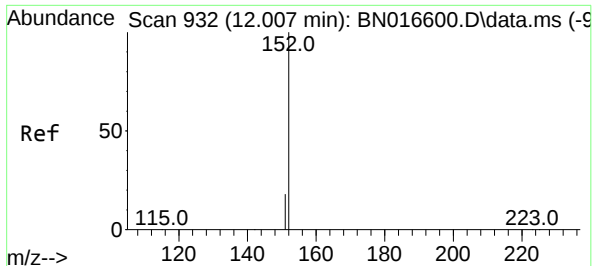
Tgt Ion: 82 Resp: 26821
Ion Ratio Lower Upper
82 100
128 36.0 33.6 50.4
54 54.5 37.6 56.4



#9
Naphthalene
Concen: 0.072 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion: 128 Resp: 27632
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 13.4 10.3 15.5

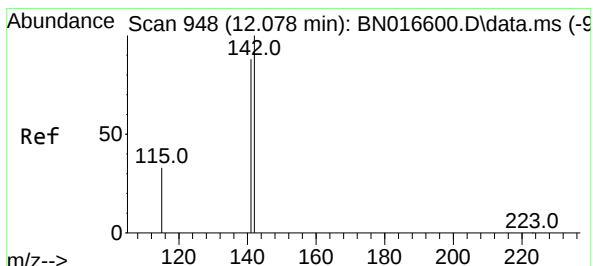
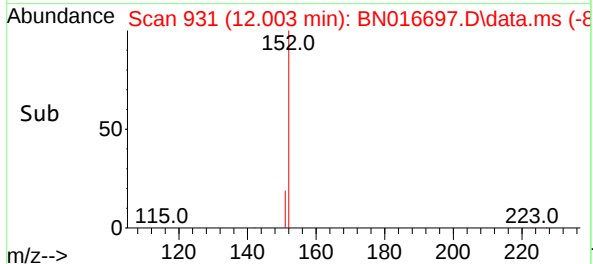
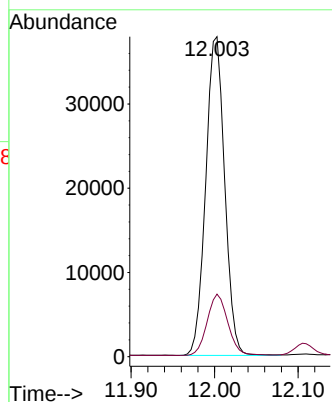
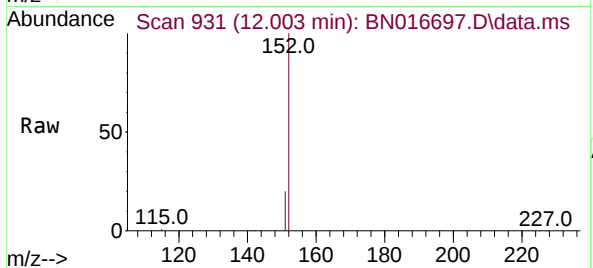




#11
2-Methylnaphthalene-d10
Concen: 0.285 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

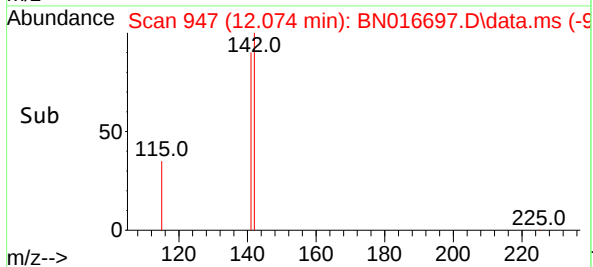
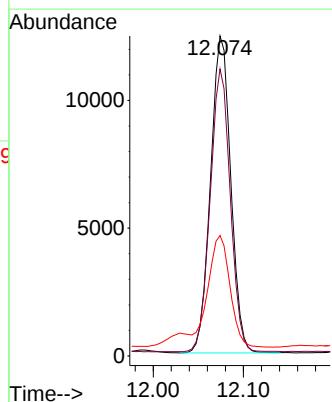
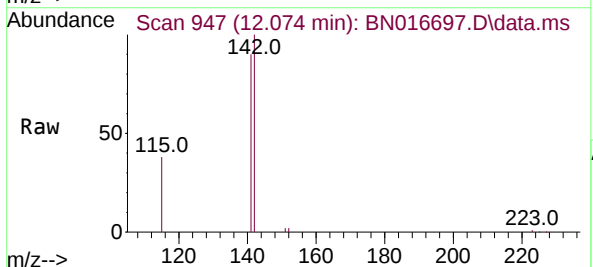
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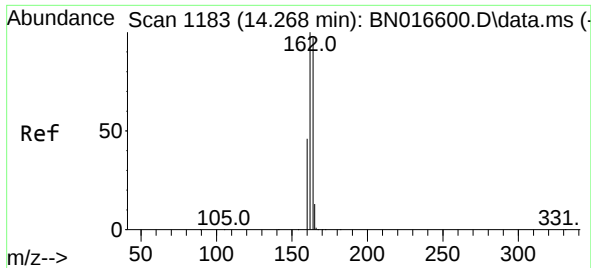
Tgt Ion:152 Resp: 59635
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.079 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.004 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:142 Resp: 19420
Ion Ratio Lower Upper
142 100
141 89.7 70.6 105.8
115 37.7 26.6 39.8

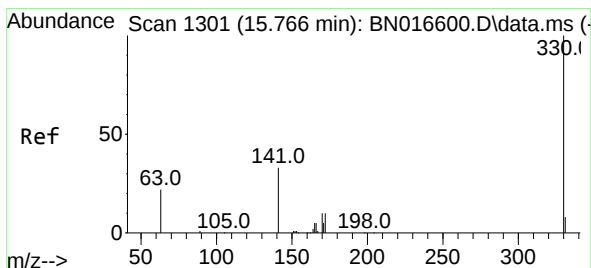
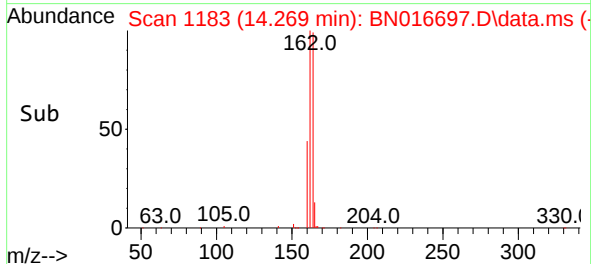
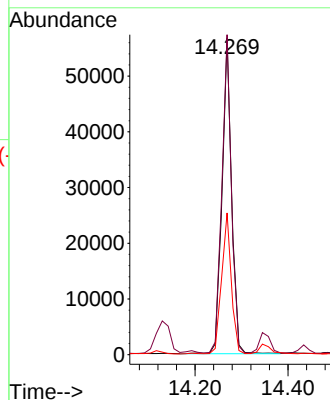
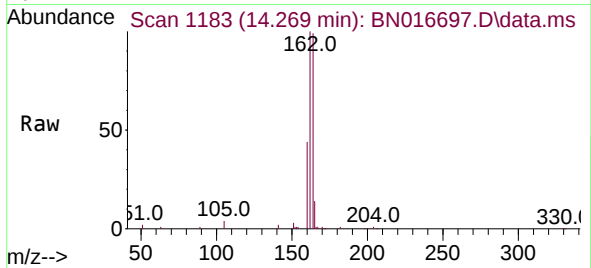




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

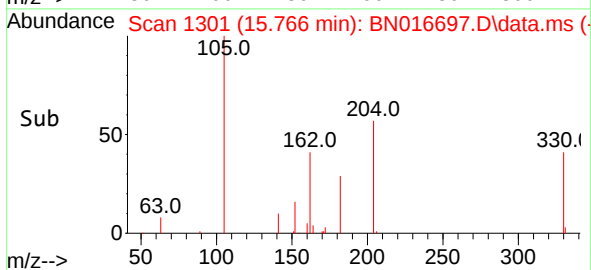
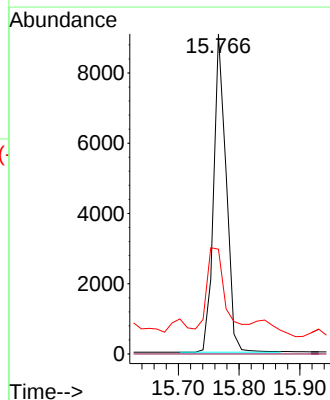
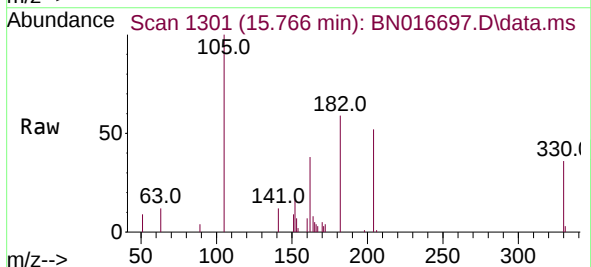
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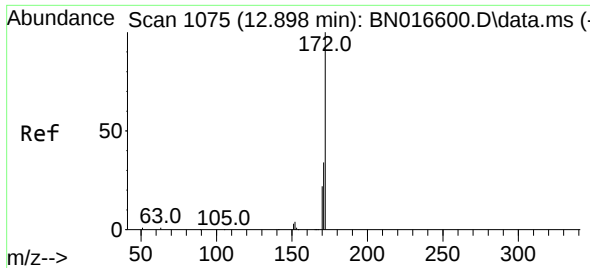
Tgt Ion:164 Resp: 80674
Ion Ratio Lower Upper
164 100
162 101.0 82.2 123.2
160 44.8 37.7 56.5



#14
2,4,6-Tribromophenol
Concen: 0.353 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:330 Resp: 12964
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.9 25.2 37.8

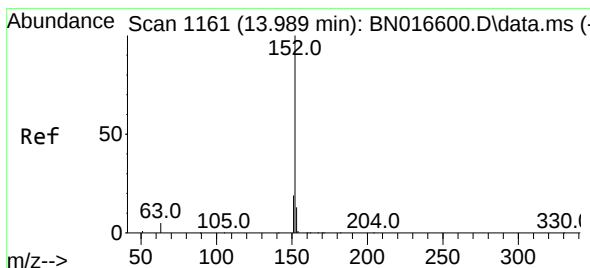
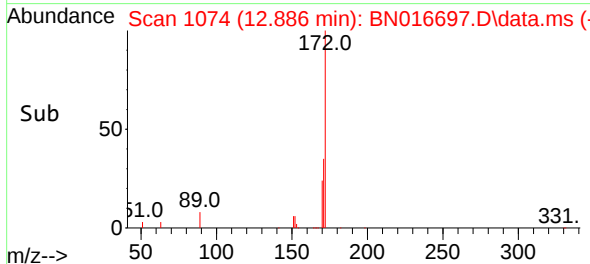
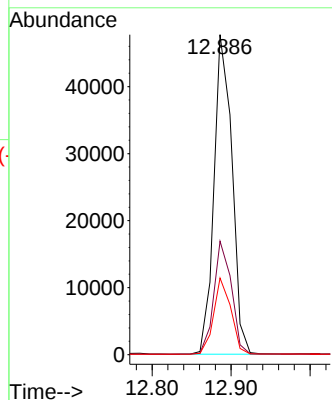
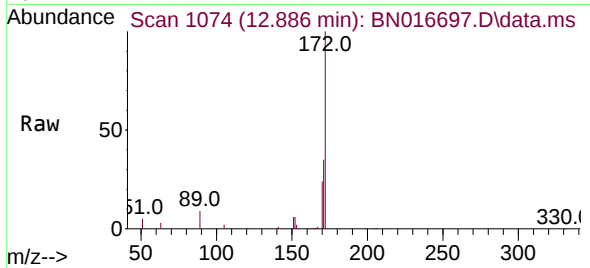




#15
2-Fluorobiphenyl
Concen: 0.232 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

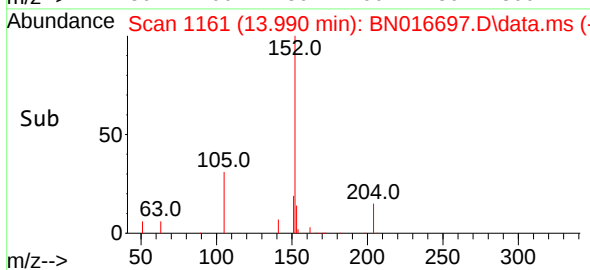
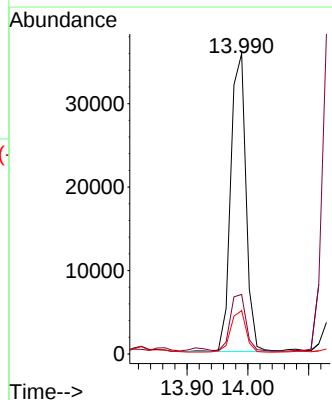
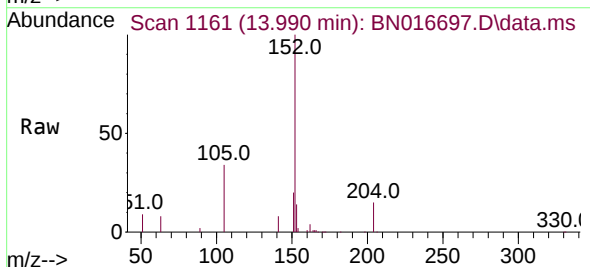
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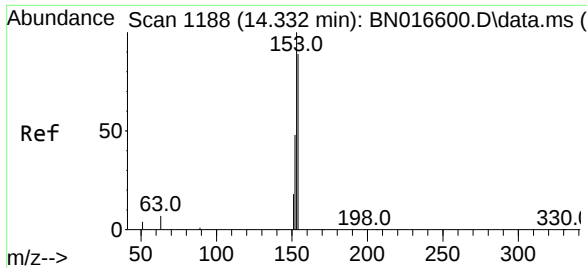
Tgt Ion:	172	Resp:	75733
Ion Ratio	Lower	Upper	
172	100		
171	35.5	27.0	40.4
170	24.0	17.4	26.2



#16
Acenaphthylene
Concen: 0.177 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:	152	Resp:	62302
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.5	23.3
153	14.1	10.4	15.6

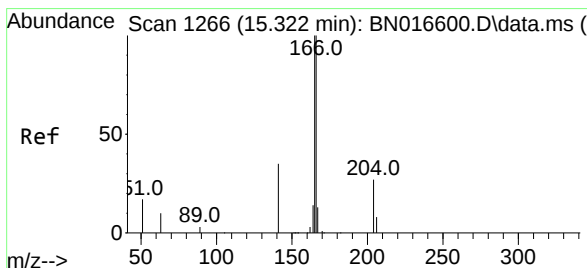
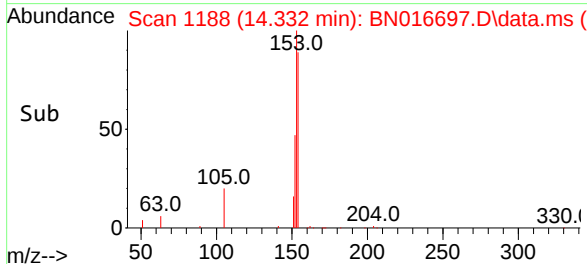
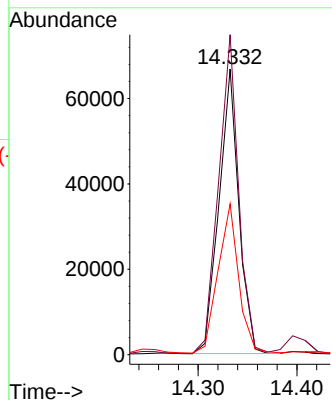
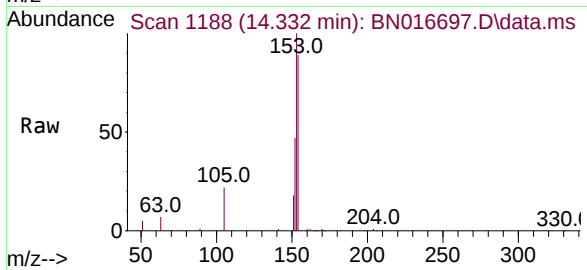




#17
Acenaphthene
Concen: 0.392 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

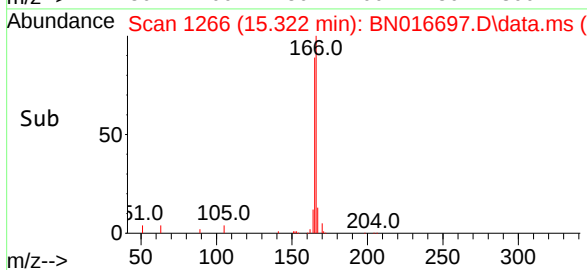
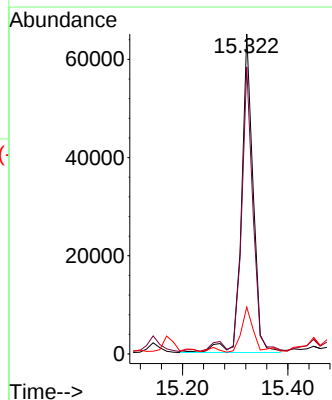
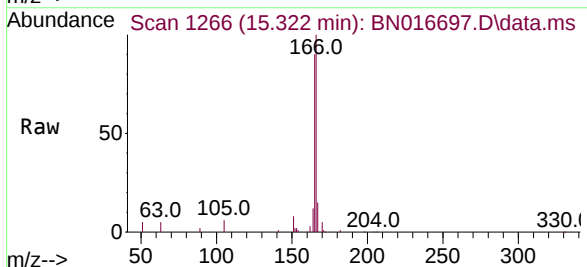
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

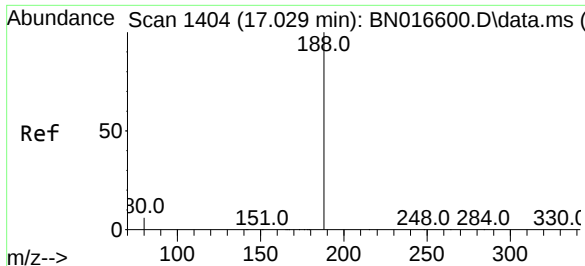
Tgt Ion:154 Resp: 93004
Ion Ratio Lower Upper
154 100
153 113.1 90.2 135.2
152 54.4 44.0 66.0



#18
Fluorene
Concen: 0.349 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:166 Resp: 98118
Ion Ratio Lower Upper
166 100
165 85.1 77.9 116.9
167 15.4 10.7 16.1

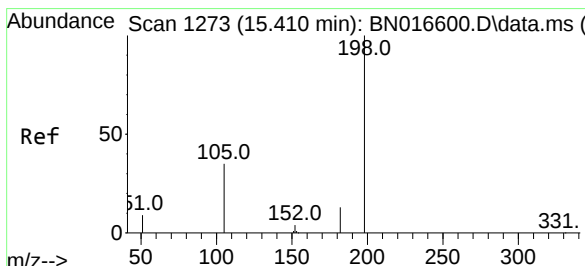
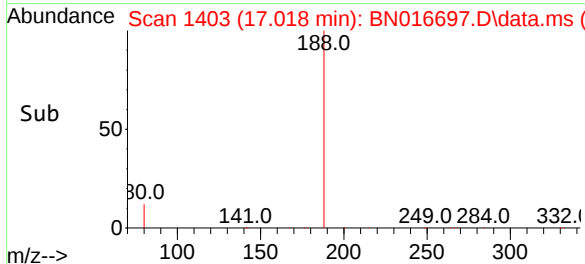
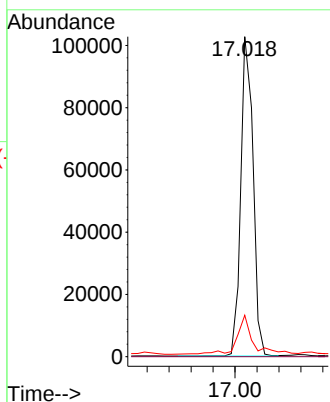
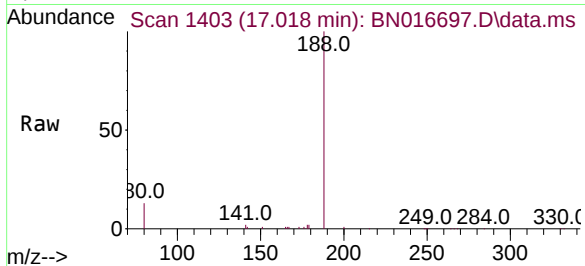




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

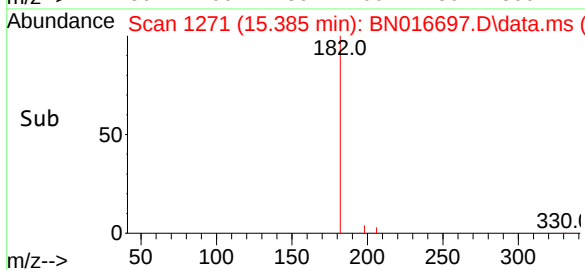
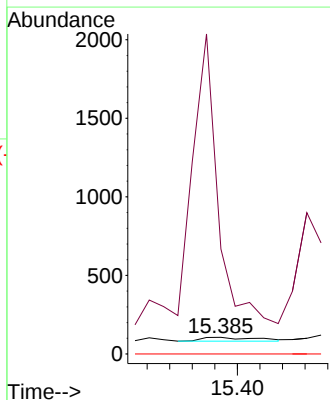
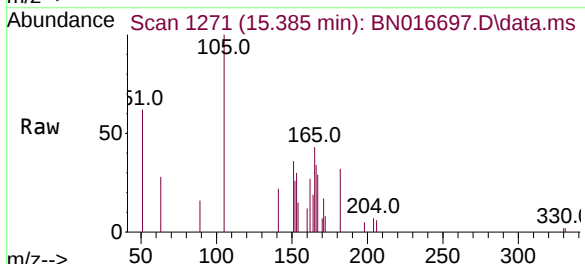
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

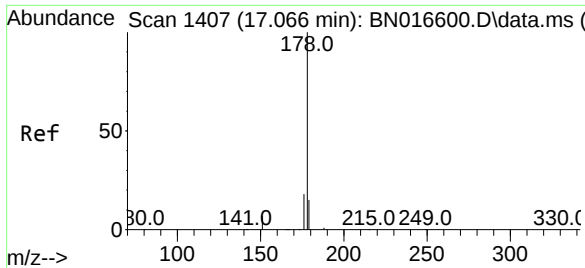
Tgt Ion:188 Resp: 159419
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.9 5.0 7.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.140 ng
RT: 15.385 min Scan# 1271
Delta R.T. -0.025 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:198 Resp: 81
Ion Ratio Lower Upper
198 100
182 630.2 11.8 17.8#
77 0.0 0.0 0.0

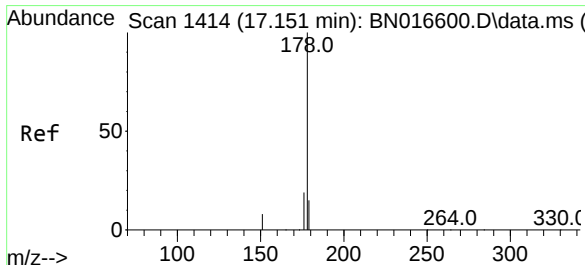
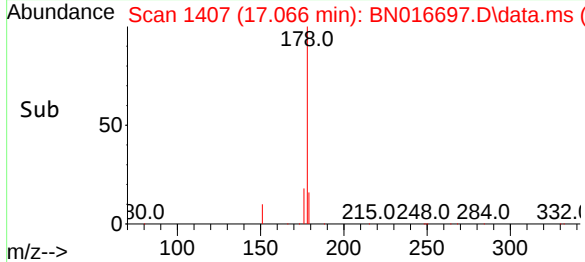
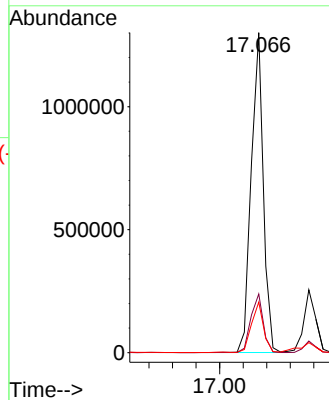
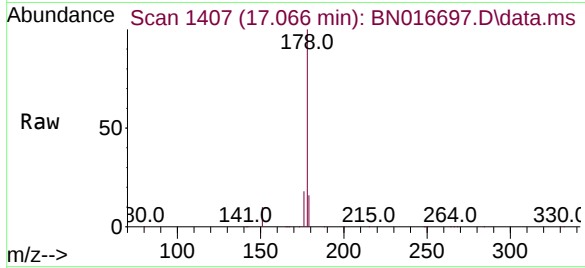




#25
Phenanthrene
Concen: 3.863 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

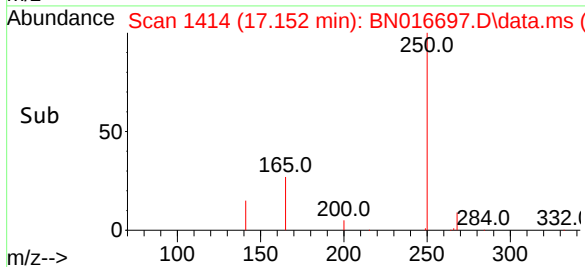
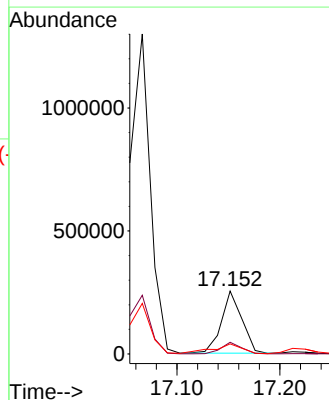
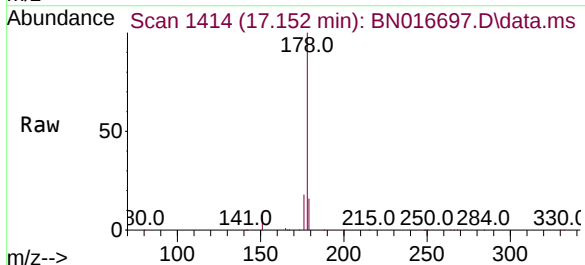
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

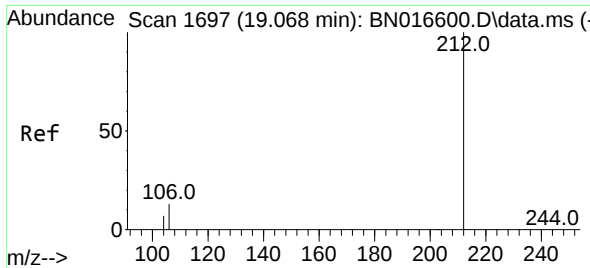
Tgt Ion:178 Resp: 1853392
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.9 12.2 18.4



#26
Anthracene
Concen: 0.836 ng
RT: 17.152 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:178 Resp: 346319
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 21.8 12.2 18.4#

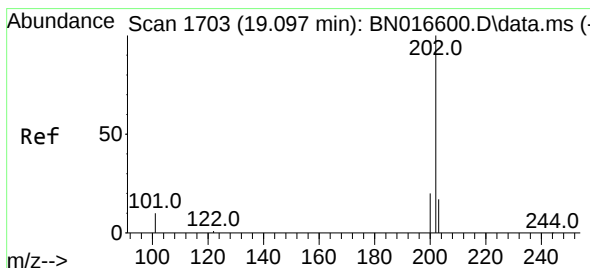
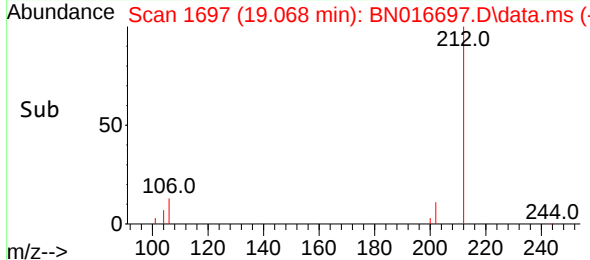
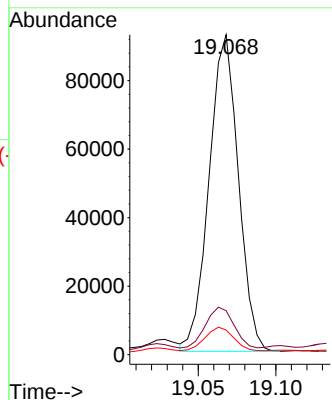
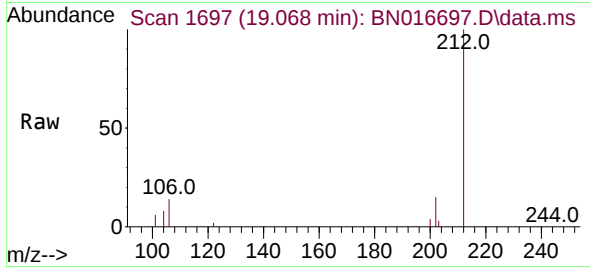




#27
Fluoranthene-d10
Concen: 0.286 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

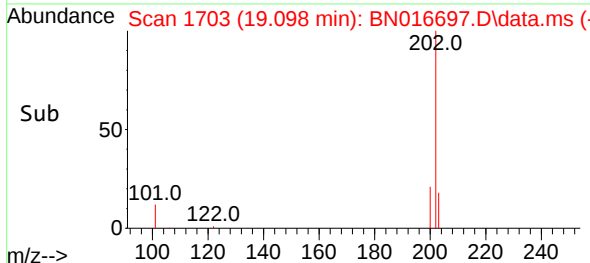
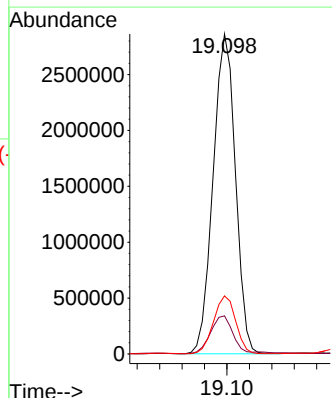
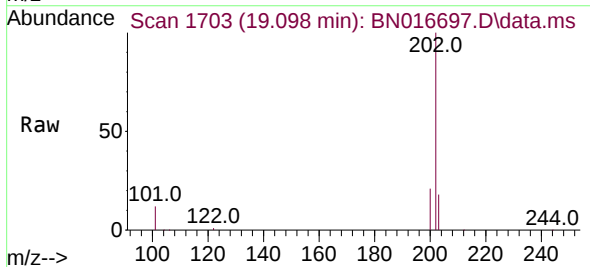
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

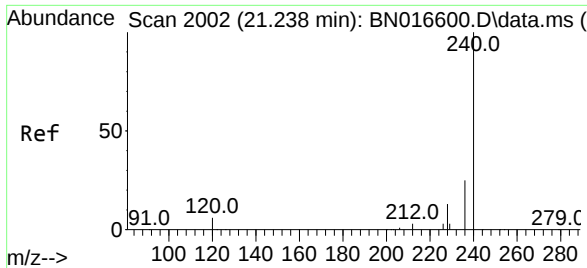
Tgt Ion:212 Resp: 121033
Ion Ratio Lower Upper
212 100
106 12.8 10.6 16.0
104 7.4 5.9 8.9



#28
Fluoranthene
Concen: 7.635 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:202 Resp: 3953910
Ion Ratio Lower Upper
202 100
101 12.5 9.0 13.4
203 18.0 13.8 20.6

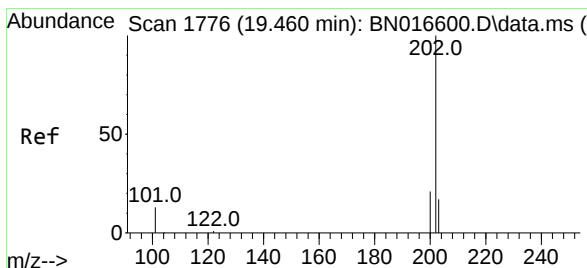
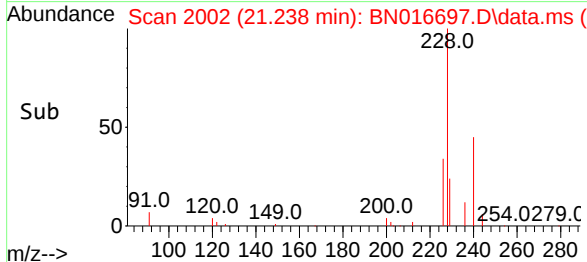
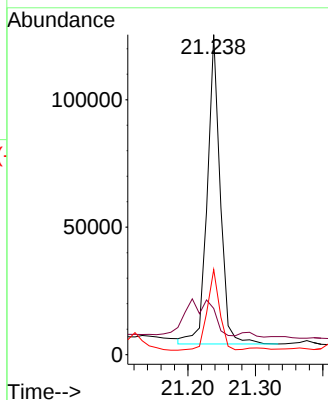
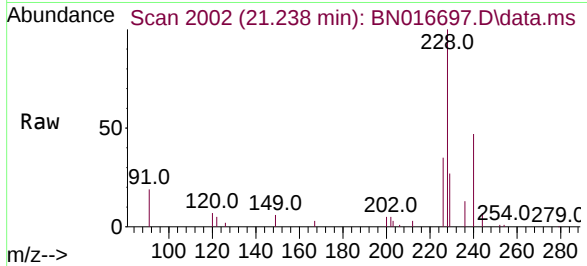




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

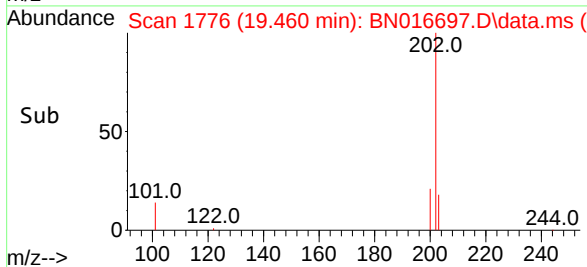
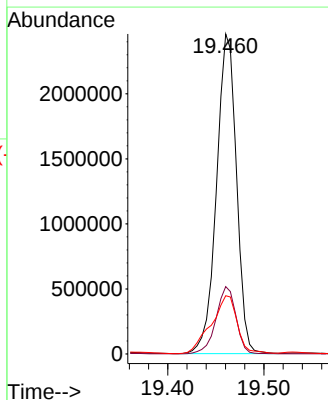
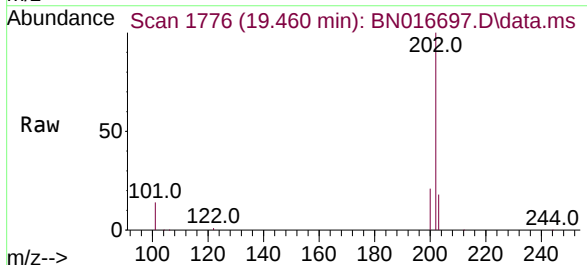
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

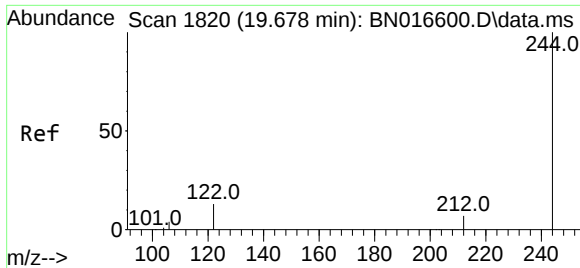
Tgt Ion:240 Resp: 161136
Ion Ratio Lower Upper
240 100
120 14.5 5.0 7.4#
236 26.6 20.4 30.6



#30
Pyrene
Concen: 6.807 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:202 Resp: 3548752
Ion Ratio Lower Upper
202 100
200 21.0 16.5 24.7
203 23.6 14.0 21.0#

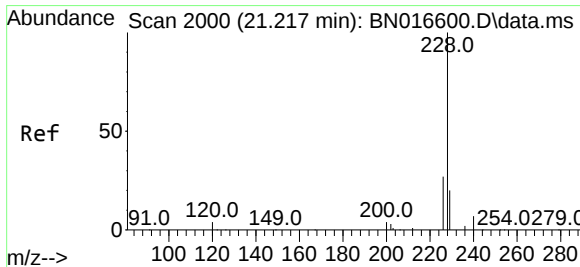
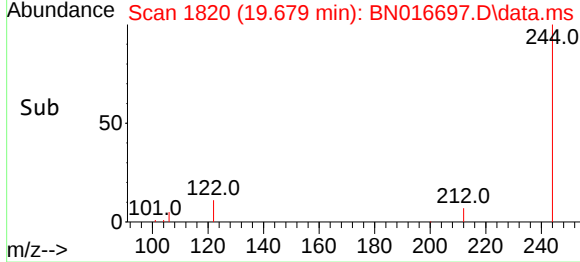
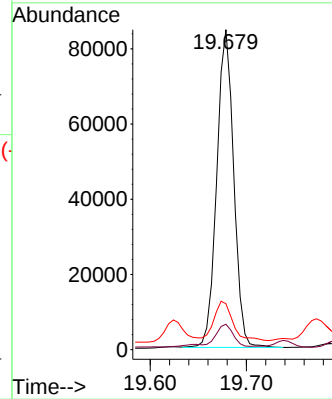
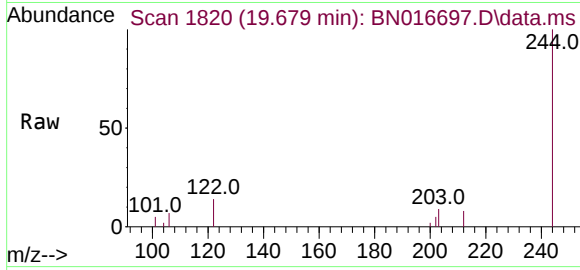




#31
 Terphenyl-d14
 Concen: 0.295 ng
 RT: 19.679 min Scan# 1820
 Delta R.T. 0.000 min
 Lab File: BN016697.D
 Acq: 03 Oct 2021 08:12

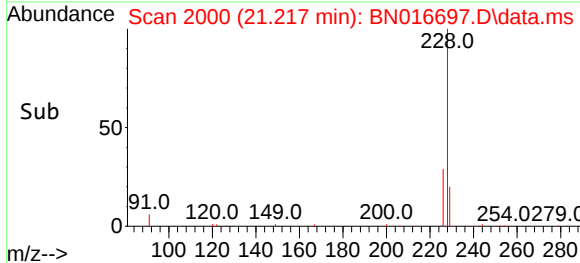
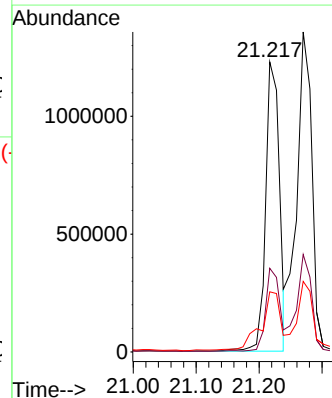
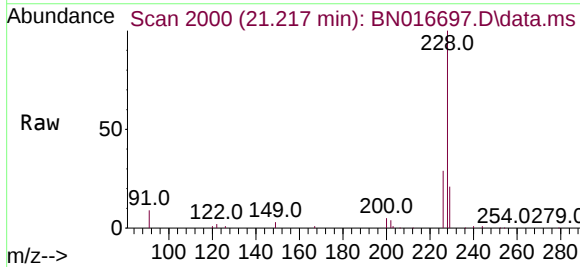
Instrument :
 BNA_N
 ClientSampleId :
 S-826-N-SO-0-0.5-092221

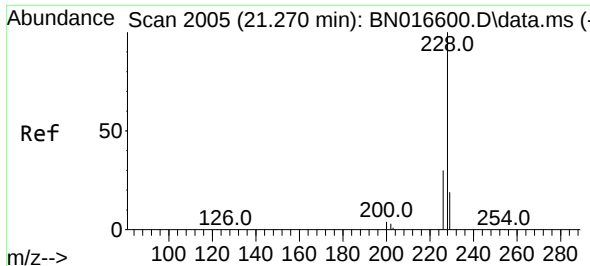
Tgt Ion:244	Resp: 103451
Ion Ratio	Lower Upper
244 100	
212 8.0	6.0 9.0
122 14.3	10.1 15.1



#32
 Benzo(a)anthracene
 Concen: 3.806 ng
 RT: 21.217 min Scan# 2000
 Delta R.T. 0.000 min
 Lab File: BN016697.D
 Acq: 03 Oct 2021 08:12

Tgt Ion:228	Resp: 1882576
Ion Ratio	Lower Upper
228 100	
226 28.8	21.9 32.9
229 20.8	15.7 23.5



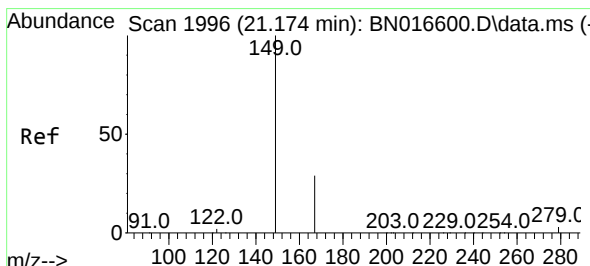
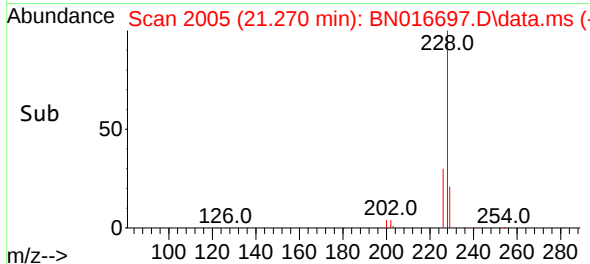
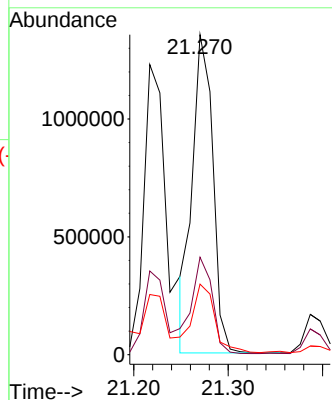
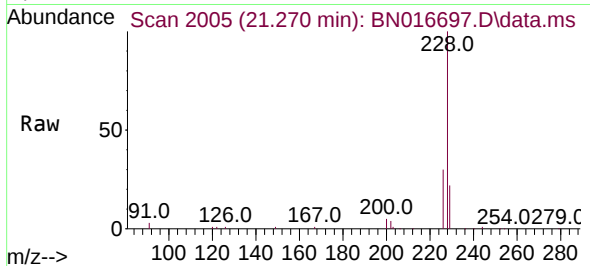


#33
Chrysene
Concen: 4.063 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

Tgt Ion:228 Resp: 2034829

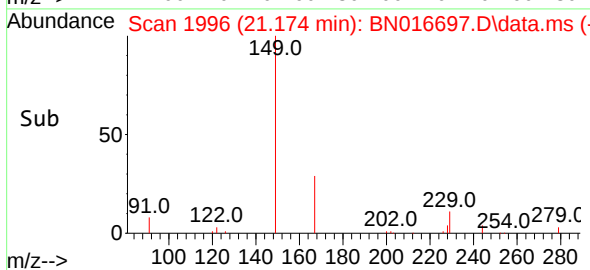
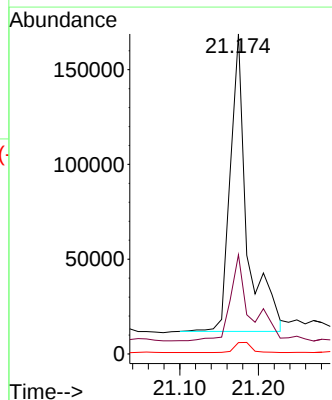
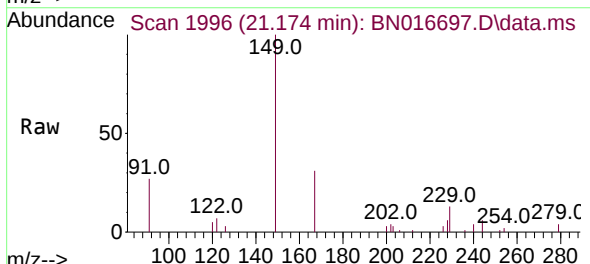
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	22.1	15.5	23.3

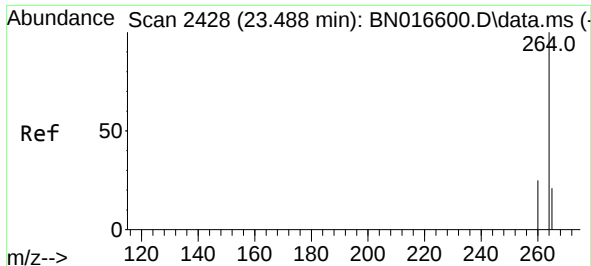


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.186 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:149 Resp: 233823

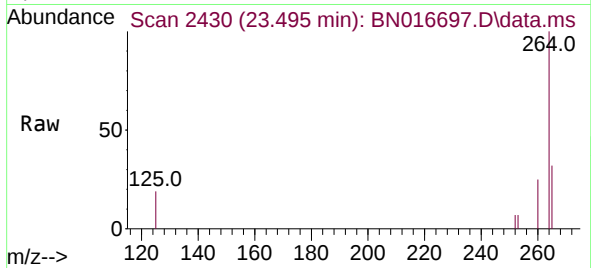
Ion	Ratio	Lower	Upper
149	100		
167	33.4	22.2	33.4#
279	3.4	3.2	4.8



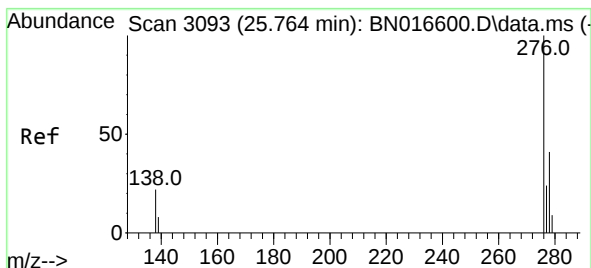
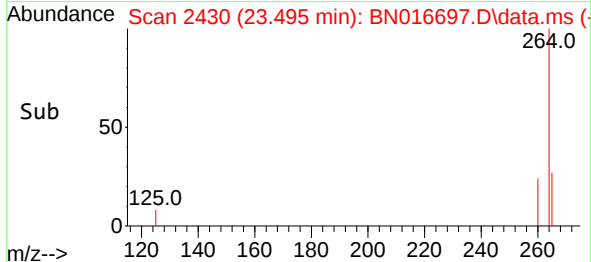
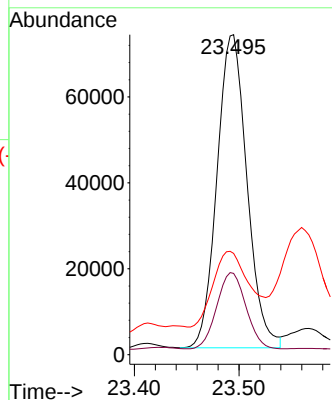


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.495 min Scan# 2430
 Delta R.T. 0.007 min
 Lab File: BN016697.D
 Acq: 03 Oct 2021 08:12

Instrument :
 BNA_N
 ClientSampleId :
 S-826-N-SO-0-0.5-092221

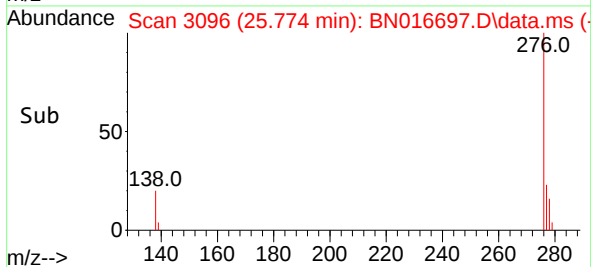
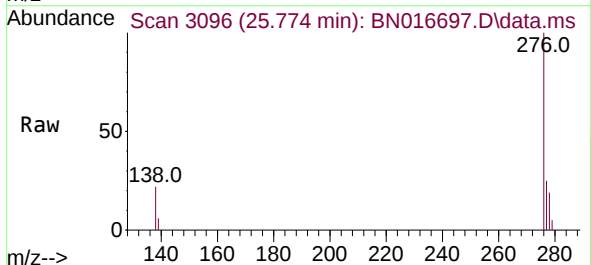
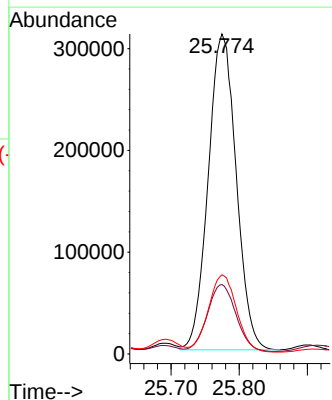


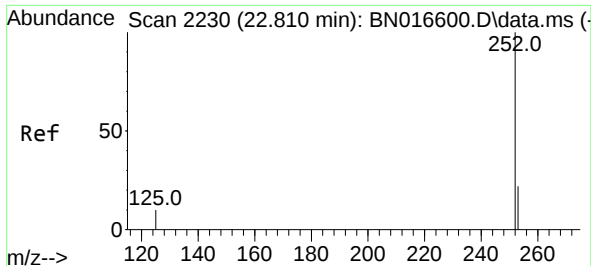
Tgt Ion:264 Resp: 144999
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.9 29.9
 265 31.7 19.2 28.8#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.713 ng
 RT: 25.774 min Scan# 3096
 Delta R.T. 0.011 min
 Lab File: BN016697.D
 Acq: 03 Oct 2021 08:12

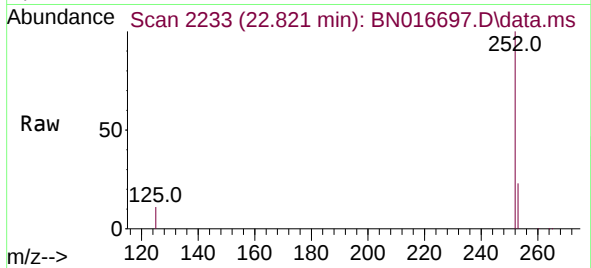
Tgt Ion:276 Resp: 886499
 Ion Ratio Lower Upper
 276 100
 138 21.8 19.5 29.3
 277 24.7 19.9 29.9



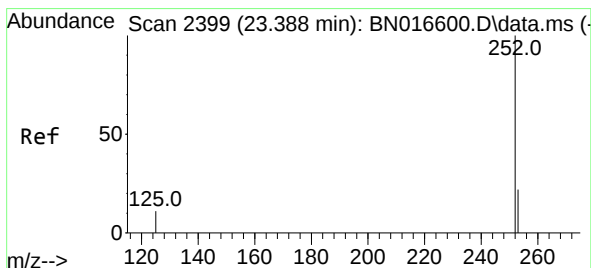
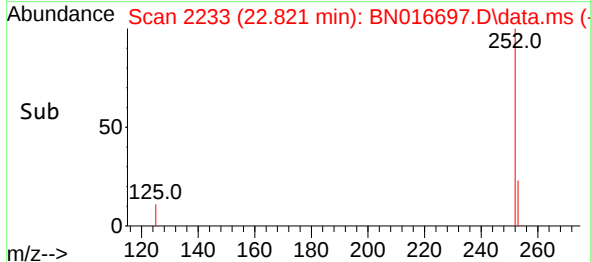
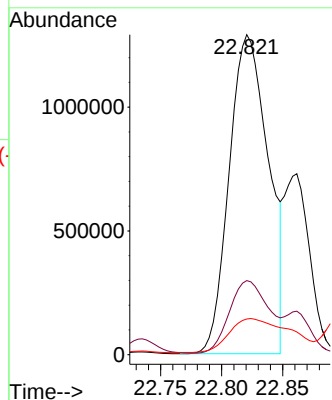


#37
Benzo(b)fluoranthene
Concen: 6.202 ng
RT: 22.821 min Scan# 2233
Delta R.T. 0.011 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

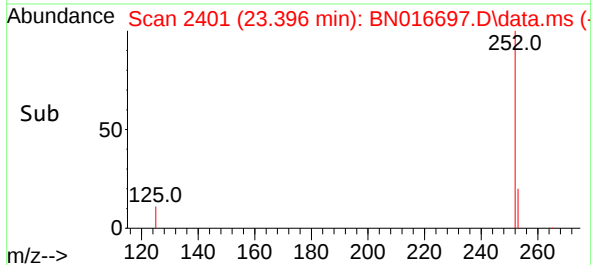
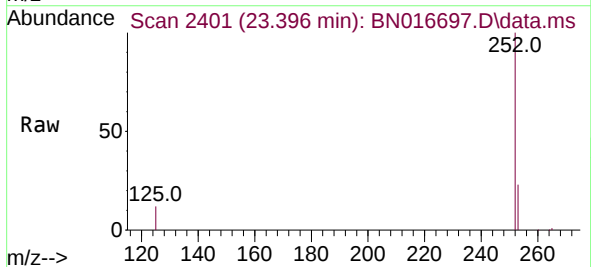
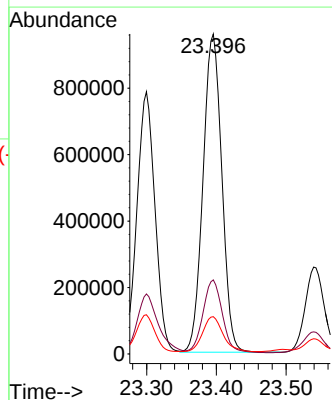


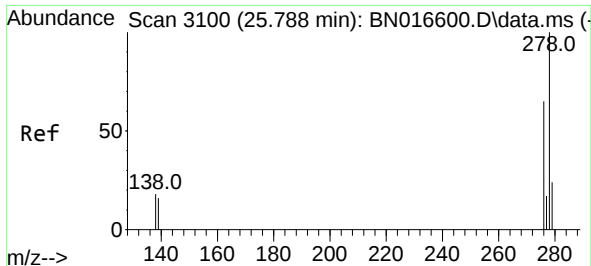
Tgt Ion:252 Resp: 2889565
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 11.2 8.0 12.0



#39
Benzo(a)pyrene
Concen: 4.318 ng
RT: 23.396 min Scan# 2401
Delta R.T. 0.007 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:252 Resp: 1791942
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 11.6 9.0 13.4

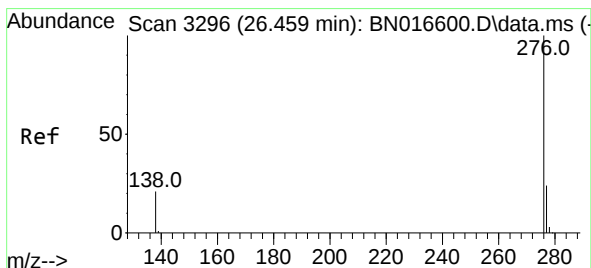
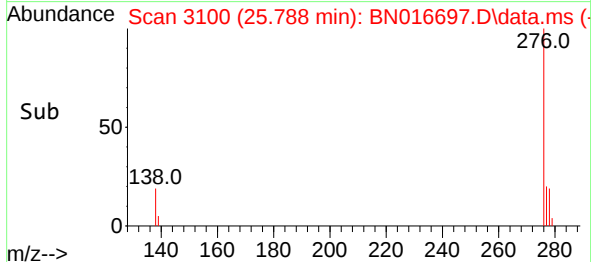
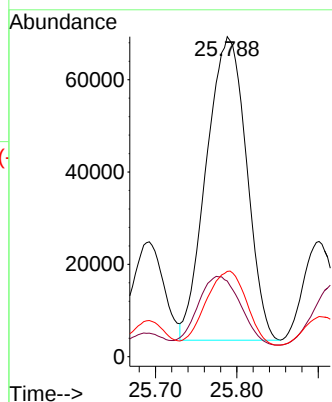
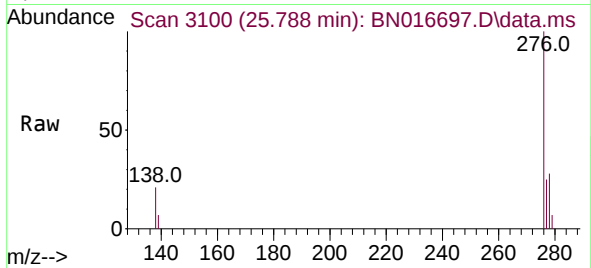




#40
Dibenzo(a,h)anthracene
Concen: 0.538 ng
RT: 25.788 min Scan# 3100
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

Tgt Ion:278 Resp: 224510
Ion Ratio Lower Upper
278 100
139 23.6 13.1 19.7#
279 26.6 19.1 28.7



#41
Benzo(g,h,i)perylene
Concen: 1.738 ng
RT: 26.476 min Scan# 3301
Delta R.T. 0.018 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:276 Resp: 795144
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 22.1 16.9 25.3

