

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092622\
 Data File : BN021918.D
 Acq On : 26 Sep 2022 15:00
 Operator : CG/JU
 Sample : SP6013
 Misc : 8270 SIM SPIKE
 ALS Vial : 8 Sample Multiplier: 1

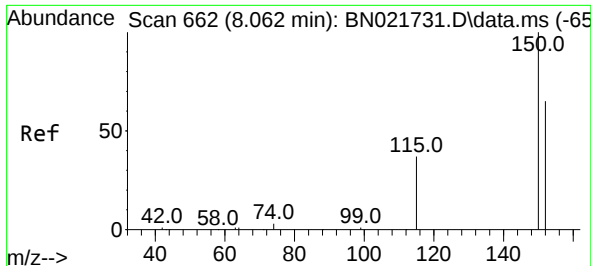
Instrument :
 BNA_N
 ClientSampleId :
 SP6013

Quant Time: Sep 26 18:16:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 14 01:55:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.047	152	3874	0.400	ng	-0.01
7) Naphthalene-d8	10.877	136	11606	0.400	ng	-0.01
13) Acenaphthene-d10	14.696	164	5702	0.400	ng	-0.01
19) Phenanthrene-d10	17.456	188	9736	0.400	ng	0.00
29) Chrysene-d12	21.647	240	6457	0.400	ng	# 0.00
35) Perylene-d12	24.160	264	5327	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.000	ng	
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.396	88	2038	0.407	ng	# 94
3) n-Nitrosodimethylamine	3.728	42	2317	0.456	ng	# 92
6) bis(2-Chloroethyl)ether	7.462	93	5449	0.427	ng	98
9) Naphthalene	10.920	128	14411	0.421	ng	99
10) Hexachlorobutadiene	11.208	225	2500	0.437	ng	# 99
12) 2-Methylnaphthalene	12.191	142	2440	0.332	ng	# 85
16) Acenaphthylene	14.418	152	10636	0.391	ng	99
17) Acenaphthene	14.761	154	7730	0.415	ng	99
18) Fluorene	15.747	166	9218	0.373	ng	99
21) 4-Bromophenyl-phenylether	16.647	248	2608	0.435	ng	93
22) Hexachlorobenzene	16.751	284	3156	0.468	ng	98
23) Atrazine	16.913	200	1923	0.388	ng	# 94
24) Pentachlorophenol	17.109	266	1268	0.501	ng	99
25) Phenanthrene	17.490	178	12892	0.395	ng	99
26) Anthracene	17.594	178	10658	0.385	ng	100
28) Fluoranthene	19.519	202	12024	0.342	ng	100
30) Pyrene	19.882	202	13473	0.420	ng	99
32) Benzo(a)anthracene	21.629	228	9521	0.385	ng	98
33) Chrysene	21.683	228	10576	0.411	ng	99
34) Bis(2-ethylhexyl)phtha...	21.540	149	5810	0.351	ng	98
36) Indeno(1,2,3-cd)pyrene	26.803	276	9161	0.362	ng	99
37) Benzo(b)fluoranthene	23.385	252	9771	0.404	ng	# 88
38) Benzo(k)fluoranthene	23.435	252	9407	0.398	ng	# 86
39) Benzo(a)pyrene	24.046	252	7687	0.399	ng	# 83
40) Dibenzo(a,h)anthracene	26.832	278	7399	0.369	ng	# 89
41) Benzo(g,h,i)perylene	27.612	276	9022	0.438	ng	96

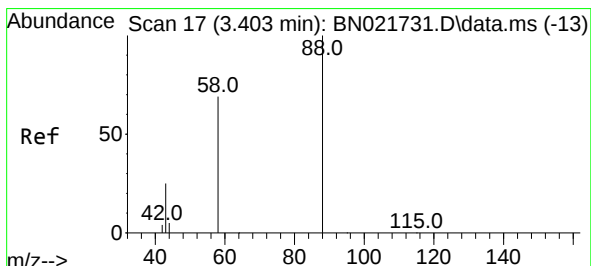
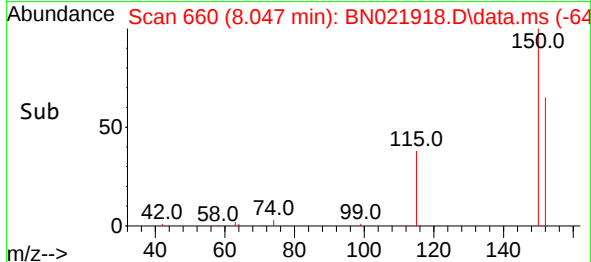
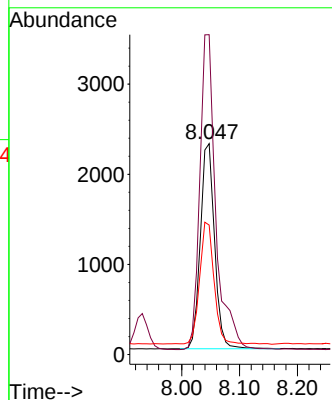
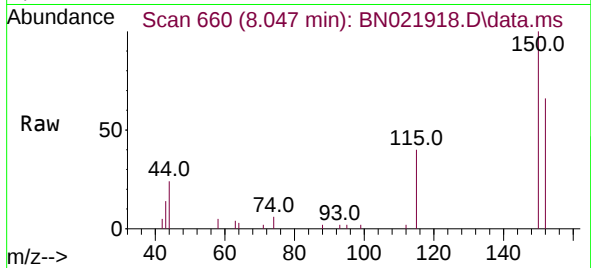
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.047 min Scan# 60
 Delta R.T. -0.015 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

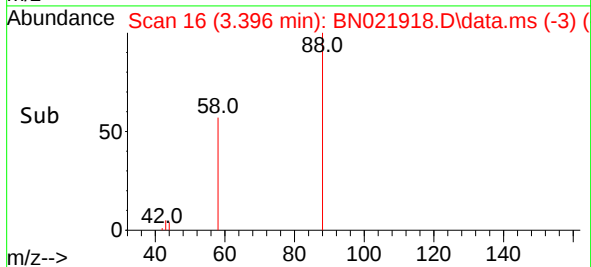
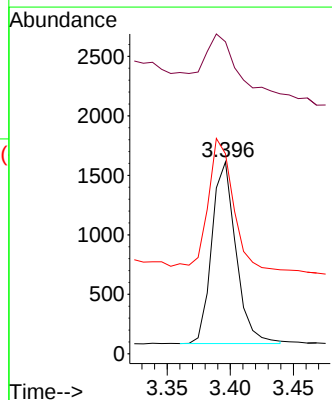
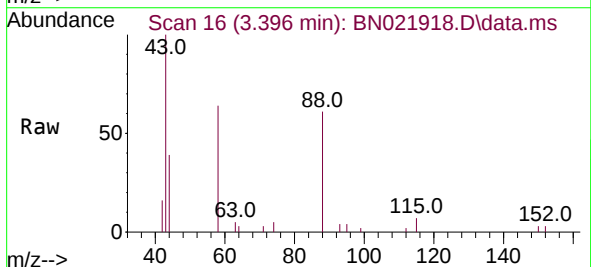
Instrument :
 BNA_N
 ClientSampleId :
 SP6013

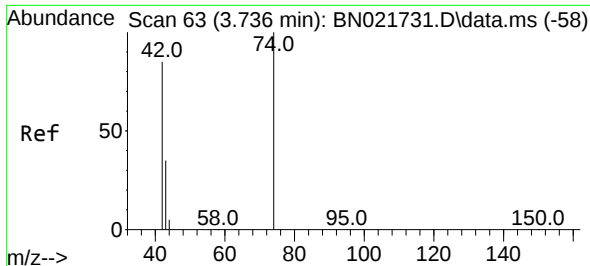
Tgt Ion:152 Resp: 3874
 Ion Ratio Lower Upper
 152 100
 150 151.6 121.8 182.8
 115 61.3 48.3 72.5



#2
 1,4-Dioxane
 Concen: 0.407 ng
 RT: 3.396 min Scan# 16
 Delta R.T. -0.007 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

Tgt Ion: 88 Resp: 2038
 Ion Ratio Lower Upper
 88 100
 43 41.2 24.2 36.2#
 58 74.6 60.2 90.4

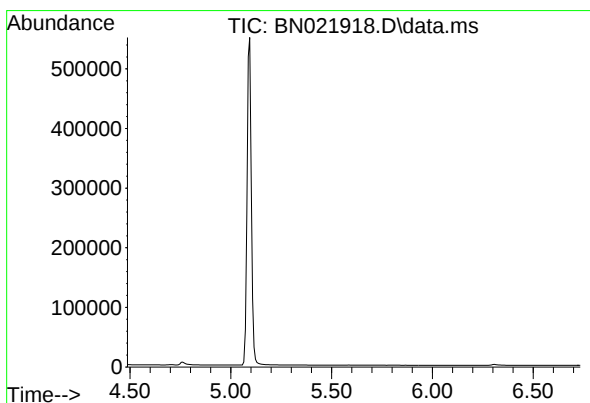
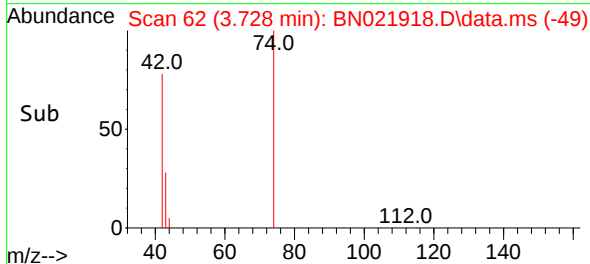
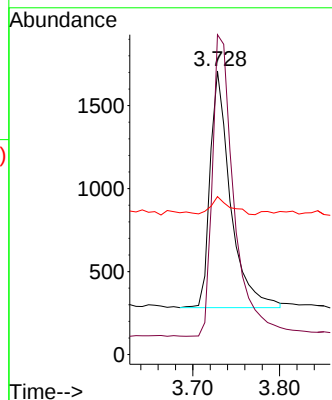
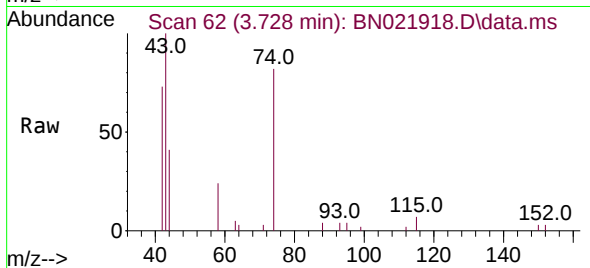




#3
 n-Nitrosodimethylamine
 Concen: 0.456 ng
 RT: 3.728 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

Instrument :
 BNA_N
 ClientSampleId :
 SP6013

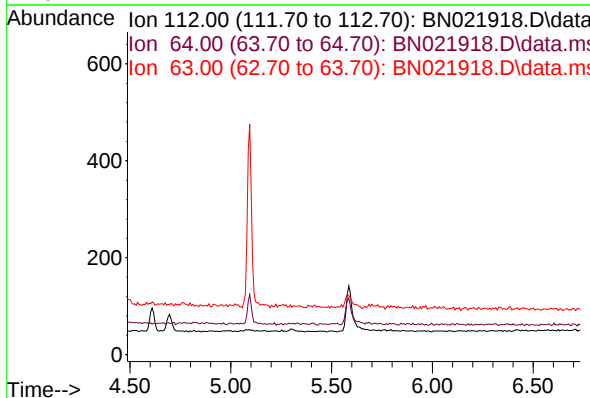
Tgt Ion: 42 Resp: 2317
 Ion Ratio Lower Upper
 42 100
 74 135.8 116.3 174.5
 44 6.9 9.0 13.4#

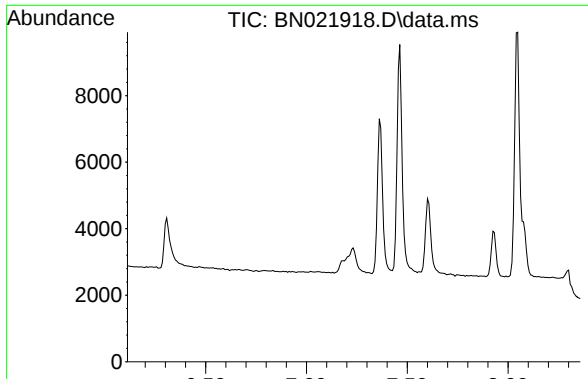


#4
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.58 min

Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 56.8
 63 29.1



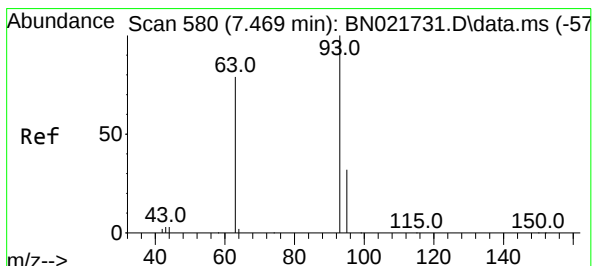
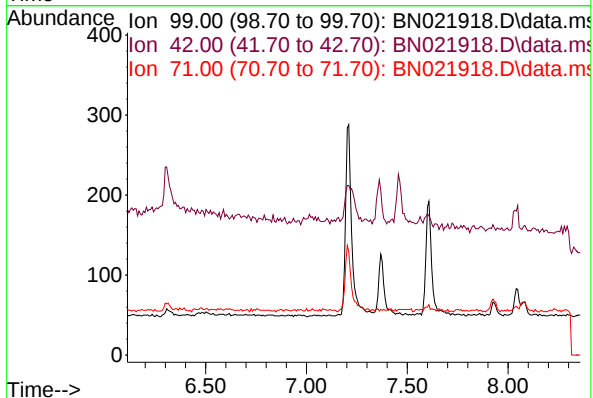


#5
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 7.21 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

Instrument :
 BNA_N
 ClientSampleId :
 SP6013

Tgt Ion: 99

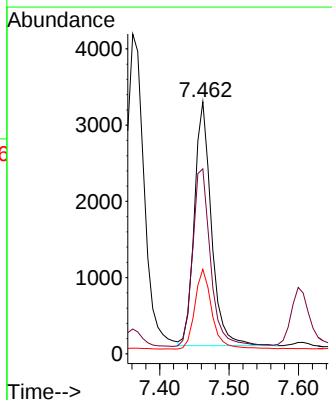
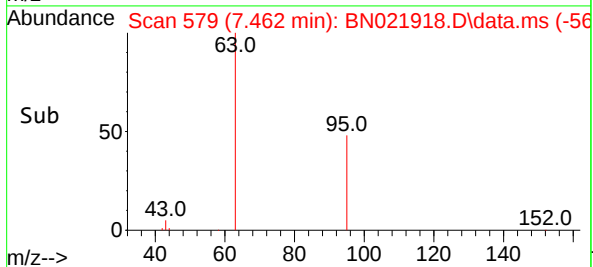
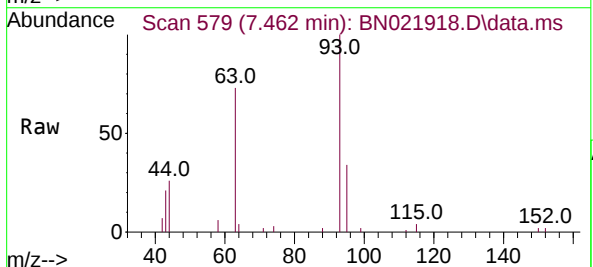
Sig	Exp Ratio
99	100
42	18.9
71	31.6

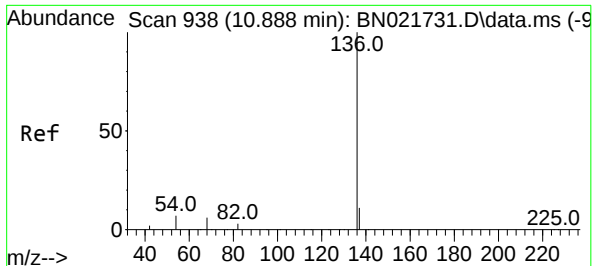


#6
 bis(2-Chloroethyl)ether
 Concen: 0.427 ng
 RT: 7.462 min Scan# 579
 Delta R.T. -0.007 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

Tgt Ion: 93 Resp: 5449

Ion	Ratio	Lower	Upper
93	100		
63	77.0	60.0	90.0
95	32.9	26.2	39.4

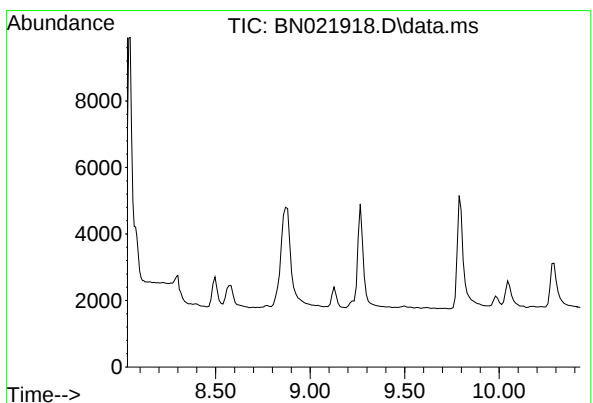
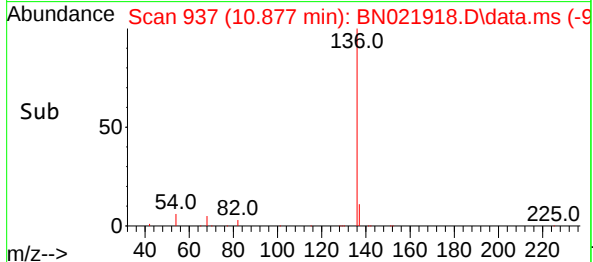
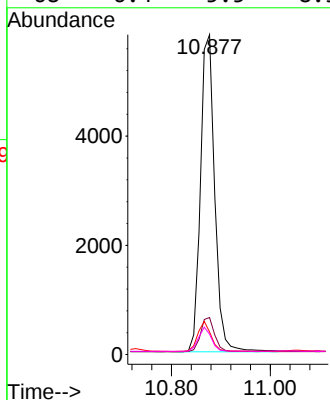
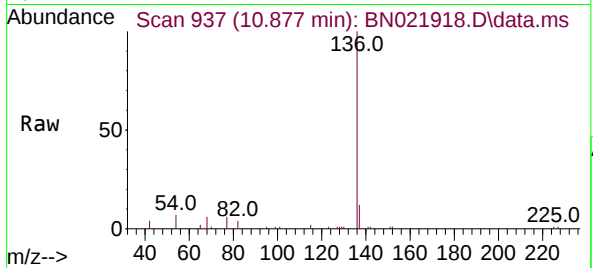




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.877 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Instrument :
BNA_N
ClientSampleId :
SP6013

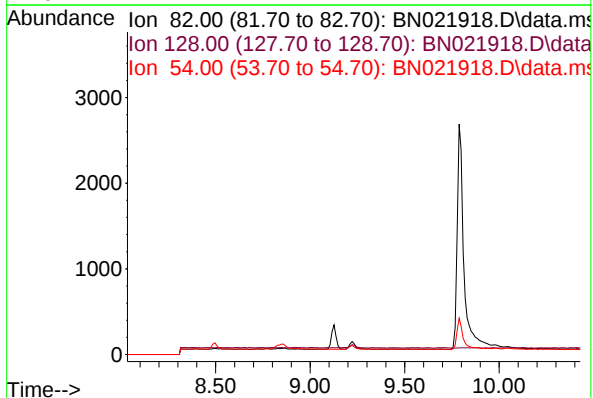
Tgt Ion:	136	Resp:	11606
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	7.1	6.4	9.6
68	6.4	5.5	8.3

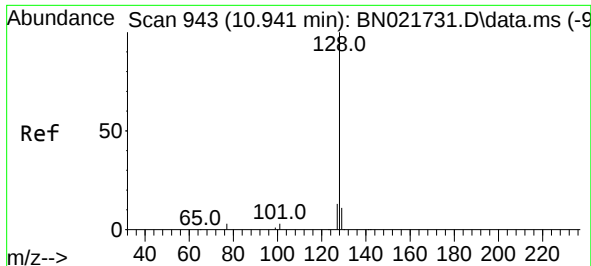


#8
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.23 min

Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion:	82
Sig	Exp Ratio
82	100
128	44.5
54	47.3

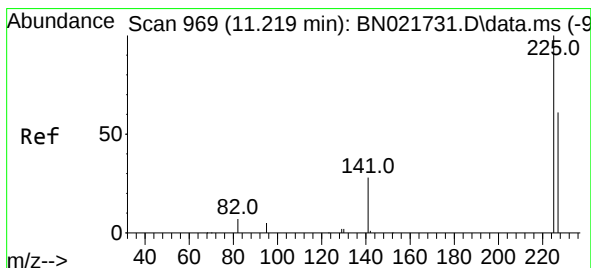
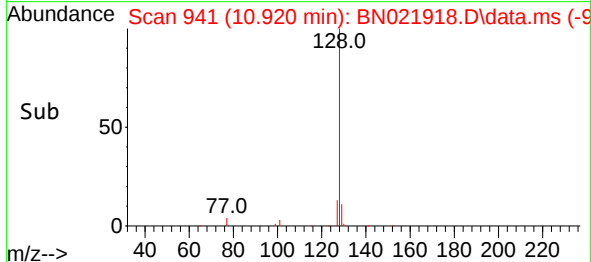
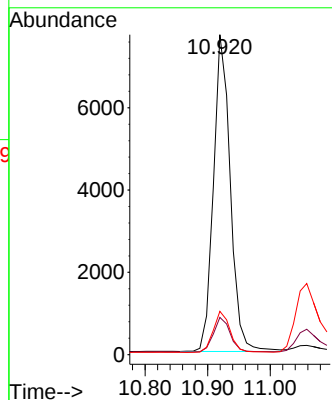
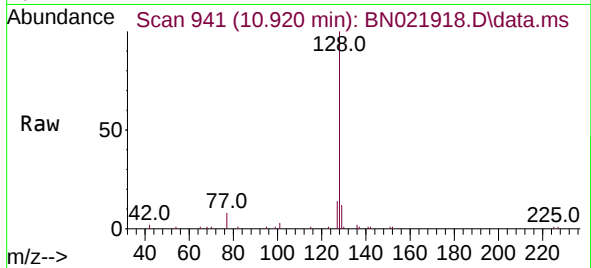




#9
Naphthalene
Concen: 0.421 ng
RT: 10.920 min Scan# 941
Delta R.T. -0.021 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

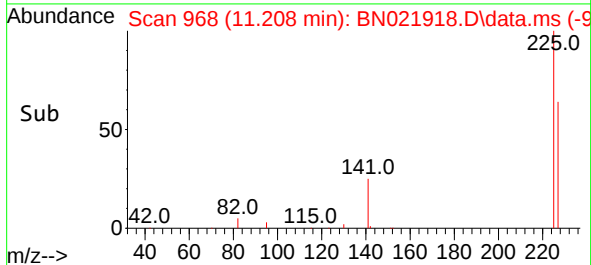
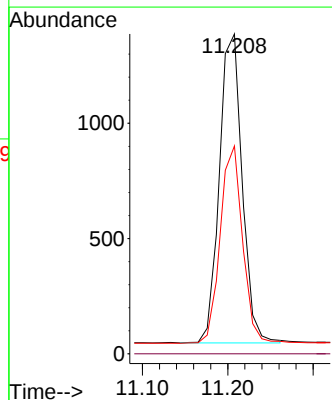
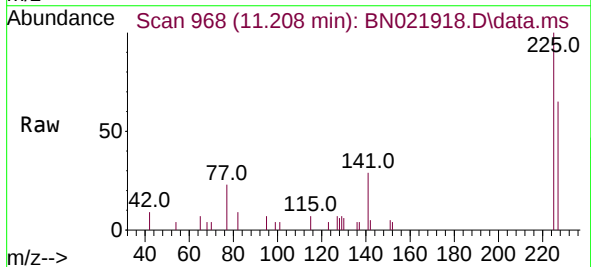
Instrument :
BNA_N
ClientSampleId :
SP6013

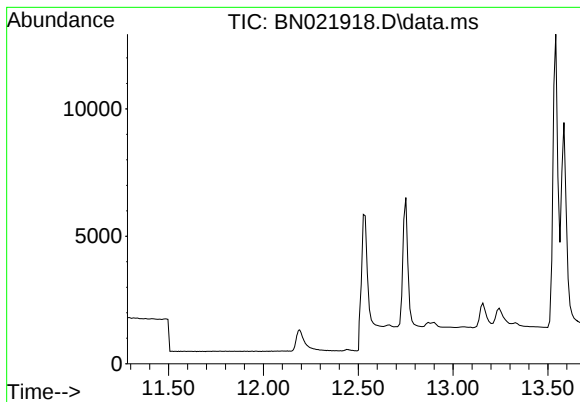
Tgt Ion:128 Resp: 14411
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.5 10.5 15.7



#10
Hexachlorobutadiene
Concen: 0.437 ng
RT: 11.208 min Scan# 968
Delta R.T. -0.011 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion:225 Resp: 2500
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.3 50.4 75.6

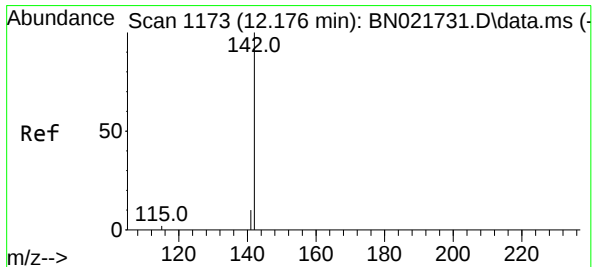
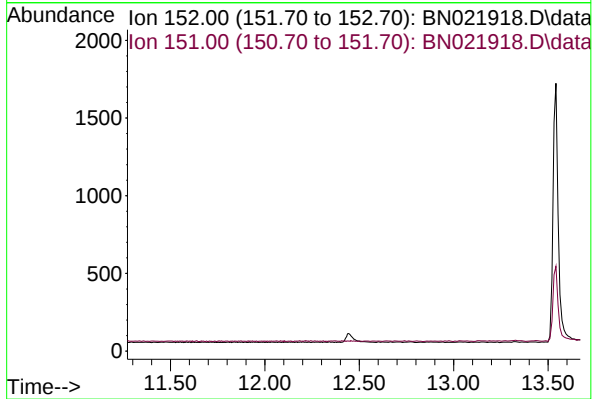




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.47 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

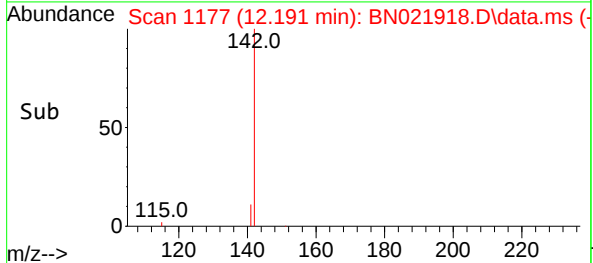
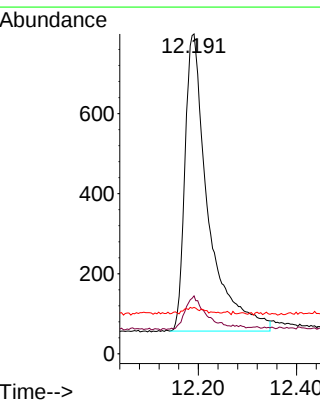
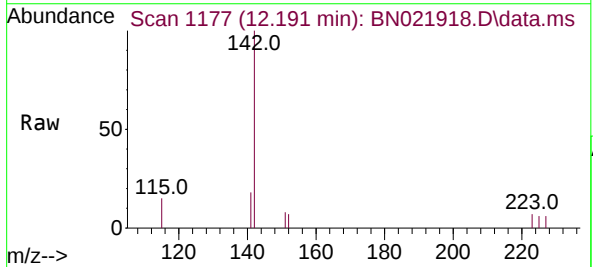
Instrument :
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 ClientSampleId :
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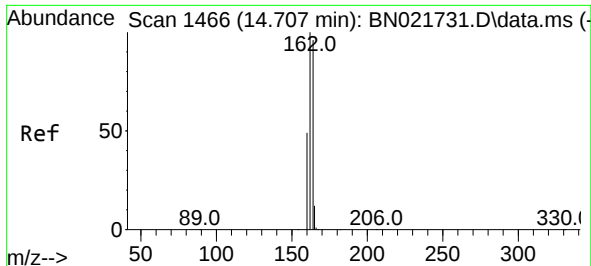
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 19.5



#12
 2-Methylnaphthalene
 Concen: 0.332 ng
 RT: 12.191 min Scan# 1177
 Delta R.T. 0.015 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

Tgt Ion: 142 Resp: 2440
 Ion Ratio Lower Upper
 142 100
 141 18.1 10.6 16.0#
 115 14.5 5.6 8.4#

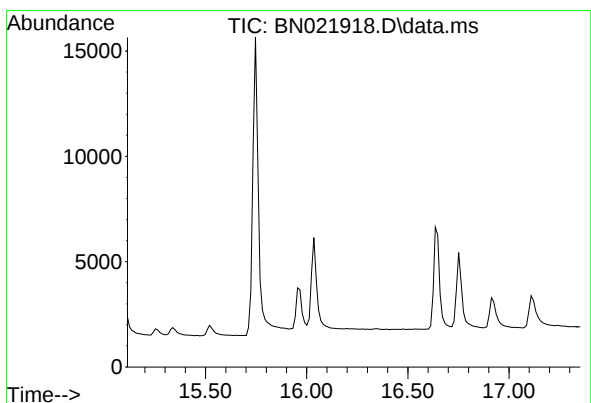
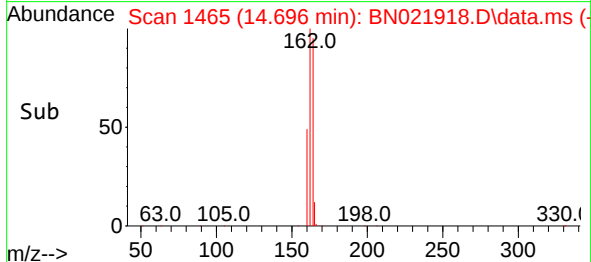
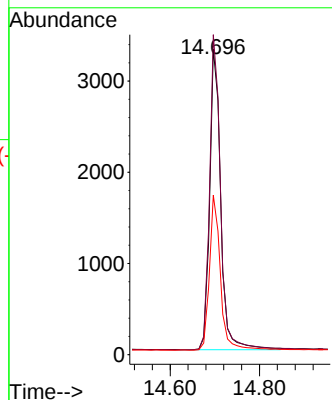
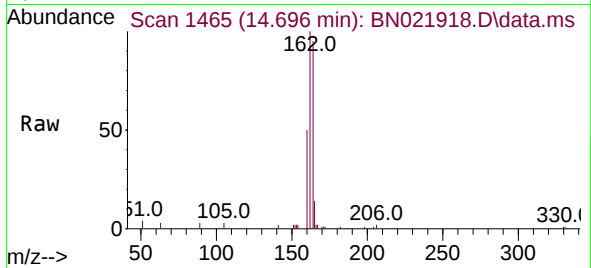




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.696 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Instrument :
BNA_N
ClientSampleId :
SP6013

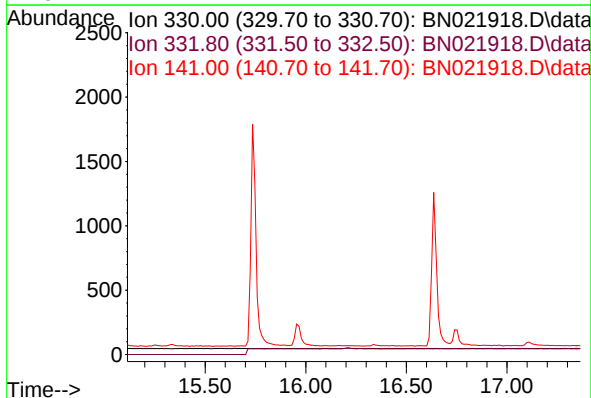
Tgt Ion:164 Resp: 5702
Ion Ratio Lower Upper
164 100
162 104.8 83.2 124.8
160 52.2 40.9 61.3

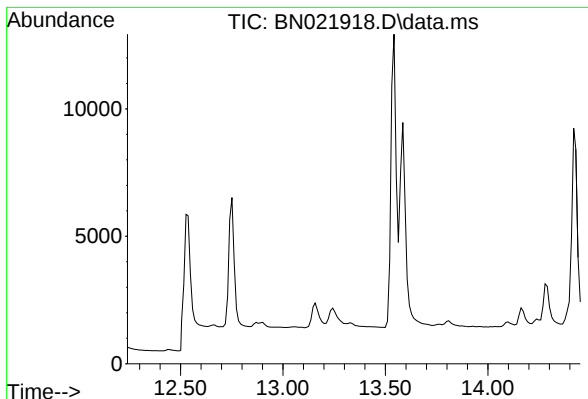


#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.21 min

Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion: 330
Sig Exp Ratio
330 100
332 96.0
141 46.5

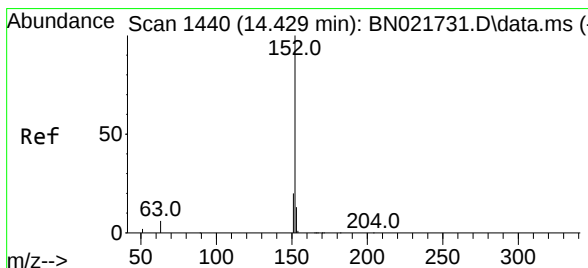
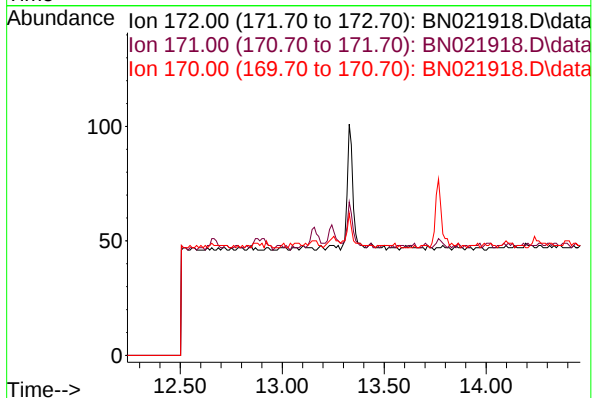




#15
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.34 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

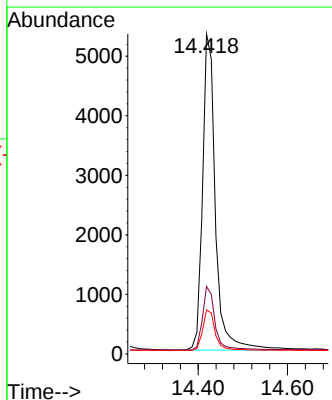
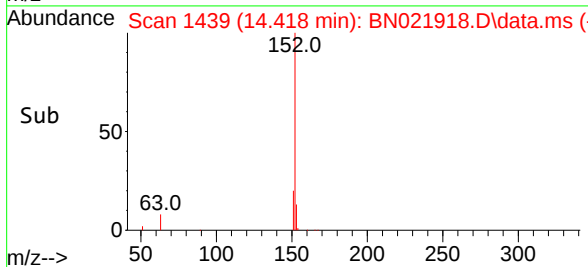
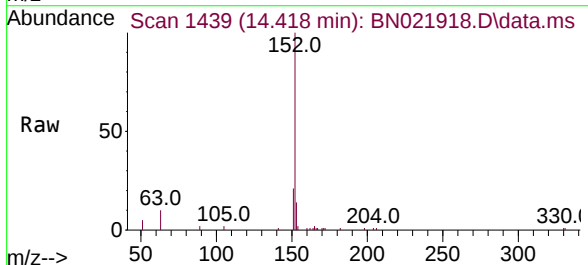
Instrument :
BNA_N
ClientSampleId :
SP6013

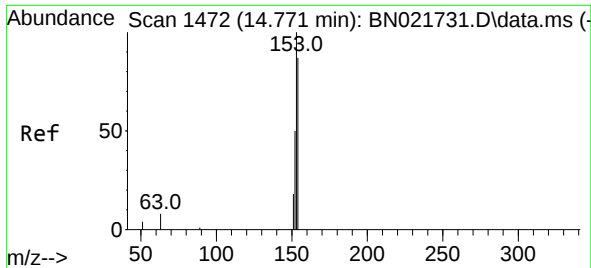
Tgt Ion: 172
Sig Exp Ratio
172 100
171 34.6
170 23.5



#16
Acenaphthylene
Concen: 0.391 ng
RT: 14.418 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion: 152 Resp: 10636
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.0
153 12.8 10.3 15.5

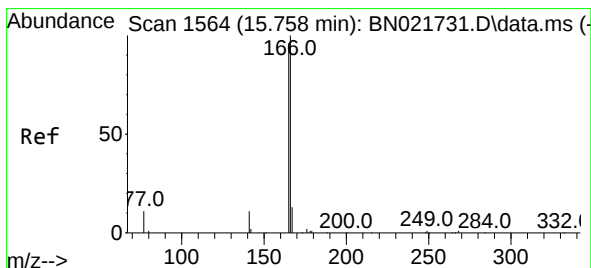
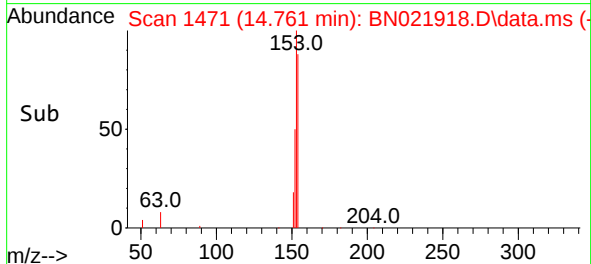
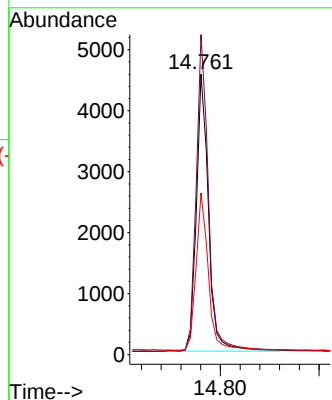
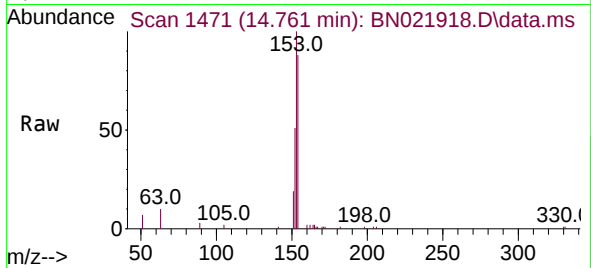




#17
Acenaphthene
Concen: 0.415 ng
RT: 14.761 min Scan# 1472
Delta R.T. -0.011 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

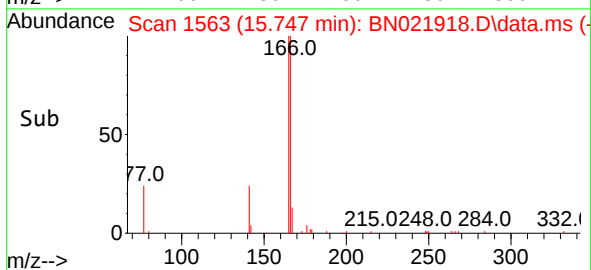
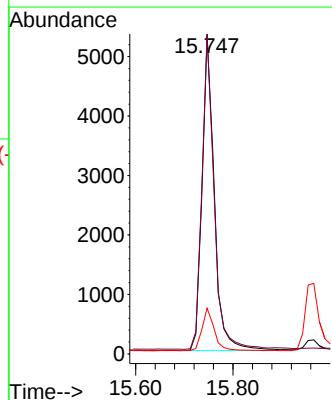
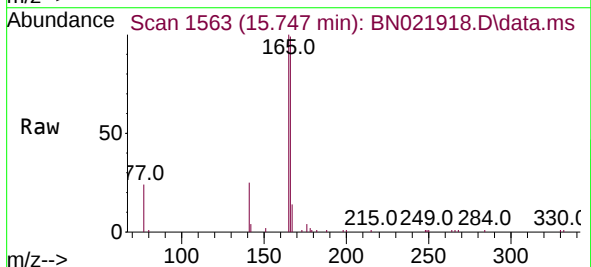
Instrument :
BNA_N
ClientSampleId :
SP6013

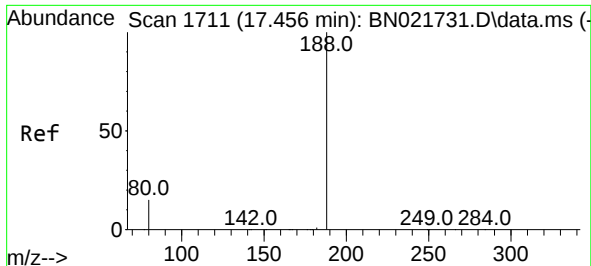
Tgt Ion:154 Resp: 7730
Ion Ratio Lower Upper
154 100
153 115.1 91.0 136.4
152 57.7 46.0 69.0



#18
Fluorene
Concen: 0.373 ng
RT: 15.747 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion:166 Resp: 9218
Ion Ratio Lower Upper
166 100
165 98.4 79.4 119.0
167 13.3 10.6 15.8

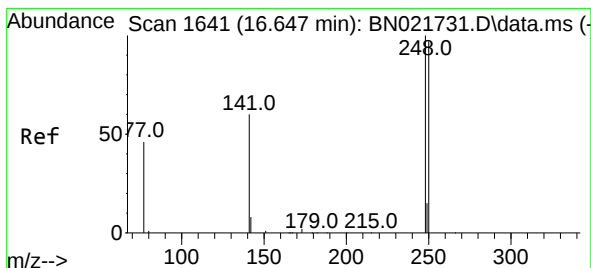
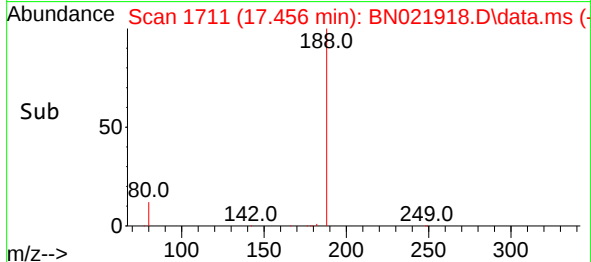
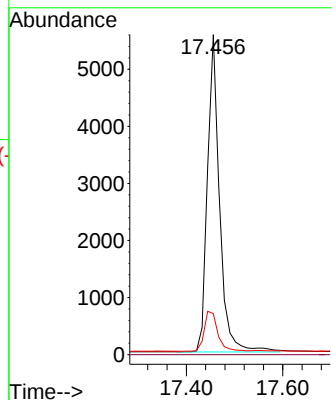
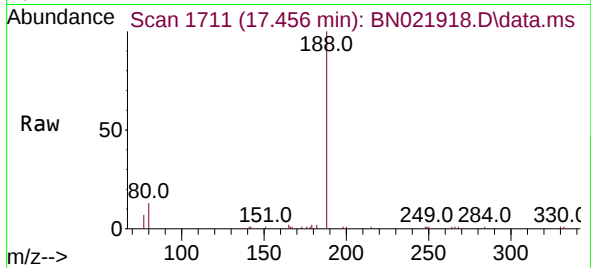




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.456 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

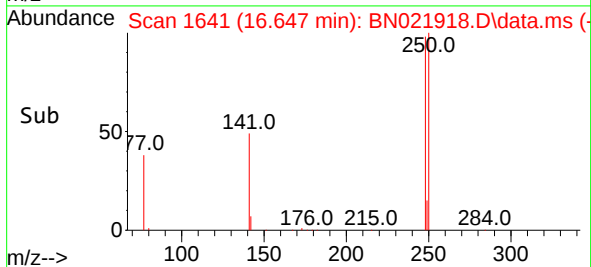
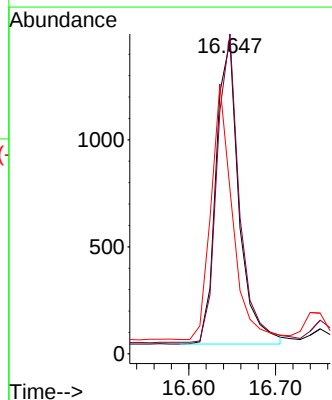
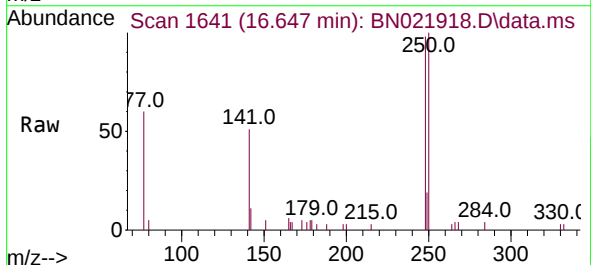
Instrument :
BNA_N
ClientSampleId :
SP6013

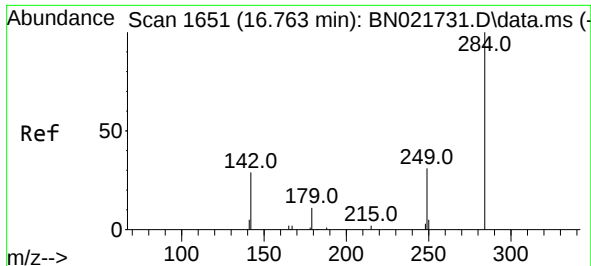
Tgt Ion:188 Resp: 9736
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.8 12.6 19.0



#21
4-Bromophenyl-phenylether
Concen: 0.435 ng
RT: 16.647 min Scan# 1641
Delta R.T. -0.000 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion:248 Resp: 2608
Ion Ratio Lower Upper
248 100
250 102.3 77.8 116.8
141 52.5 49.0 73.4

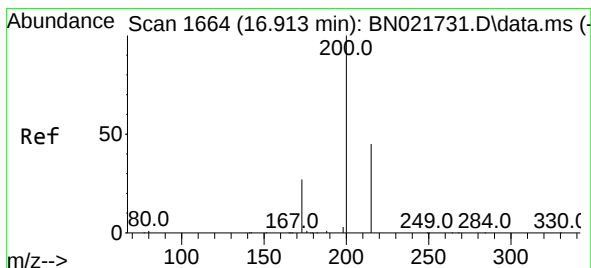
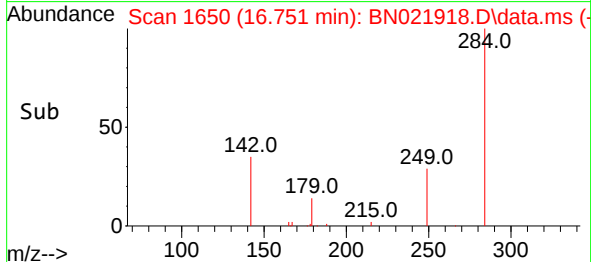
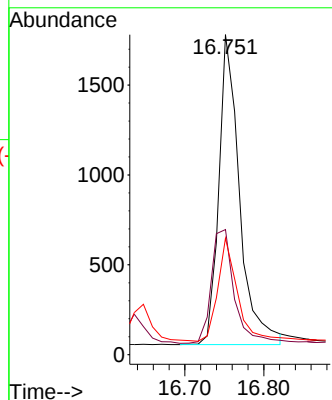
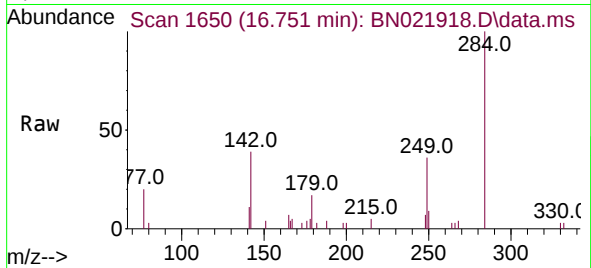




#22
Hexachlorobenzene
Concen: 0.468 ng
RT: 16.751 min Scan# 1650
Delta R.T. -0.012 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

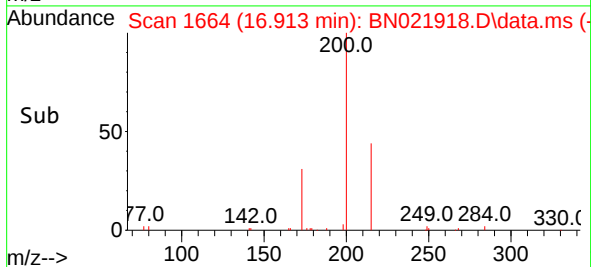
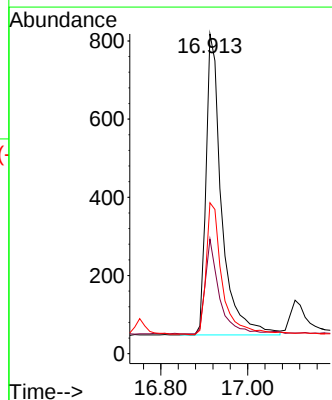
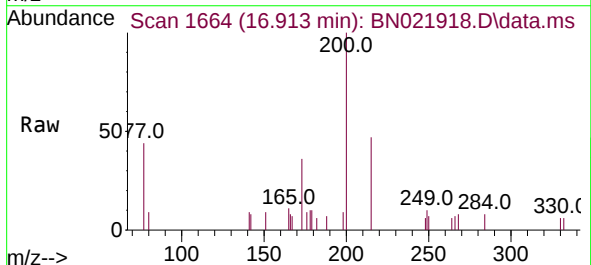
Instrument :
BNA_N
ClientSampleId :
SP6013

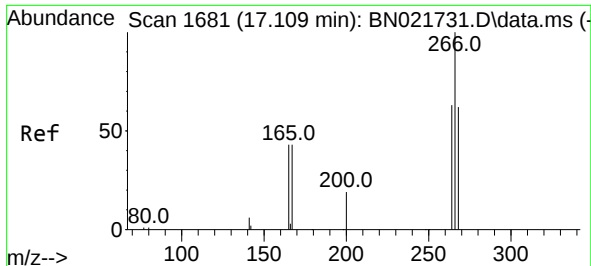
Tgt Ion:284 Resp: 3156
Ion Ratio Lower Upper
284 100
142 40.6 33.4 50.2
249 30.8 25.1 37.7



#23
Atrazine
Concen: 0.388 ng
RT: 16.913 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion:200 Resp: 1923
Ion Ratio Lower Upper
200 100
173 35.8 22.9 34.3#
215 47.2 36.9 55.3

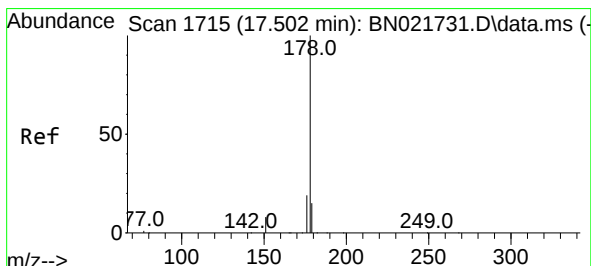
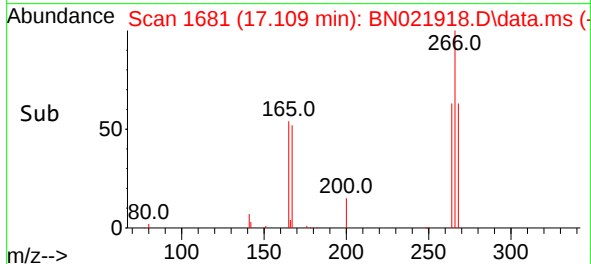
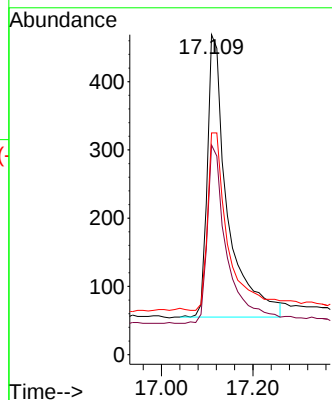
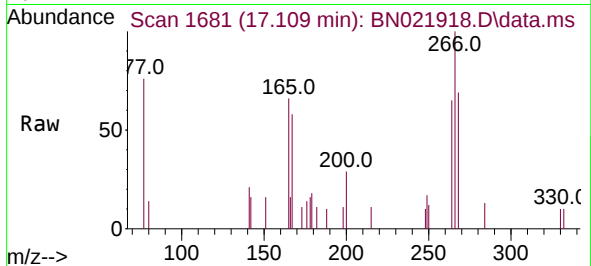




#24
Pentachlorophenol
Concen: 0.501 ng
RT: 17.109 min Scan# 1681
Delta R.T. -0.000 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

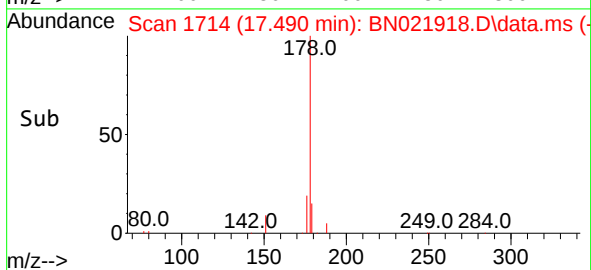
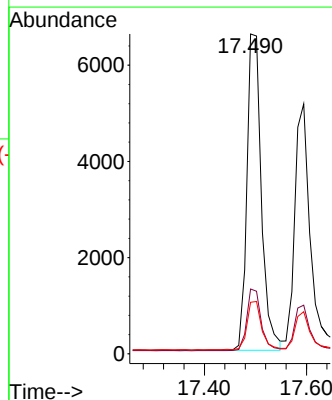
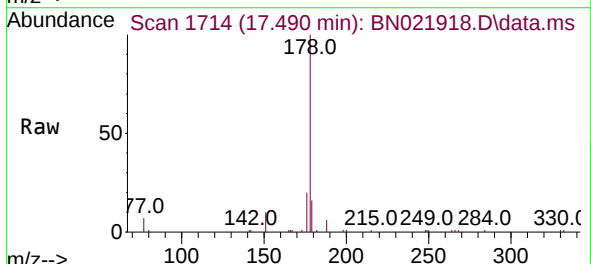
Instrument :
BNA_N
ClientSampleId :
SP6013

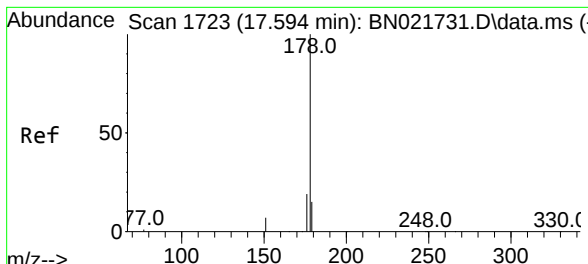
Tgt Ion:	266	Resp:	1268
Ion Ratio	Lower	Upper	
266	100		
264	62.1	50.0	75.0
268	64.0	50.2	75.2



#25
Phenanthrene
Concen: 0.395 ng
RT: 17.490 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion:	178	Resp:	12892
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.3	22.9
179	15.6	12.2	18.4

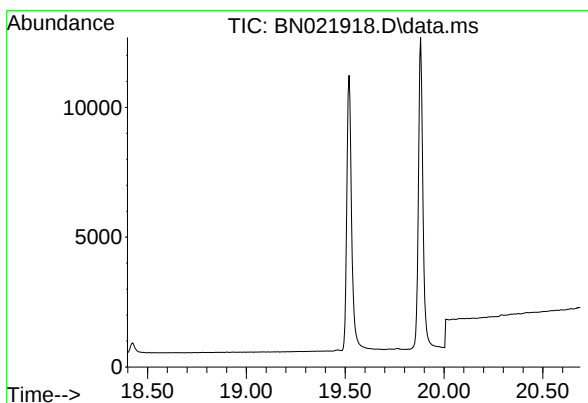
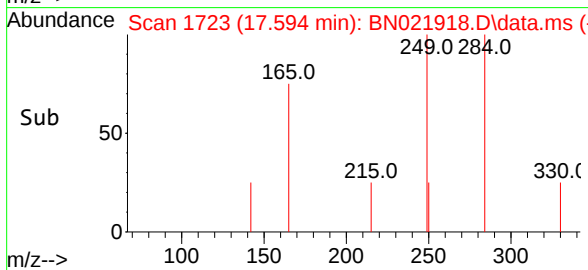
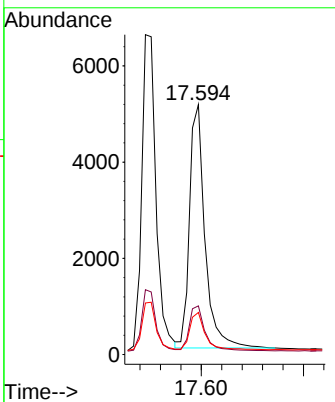
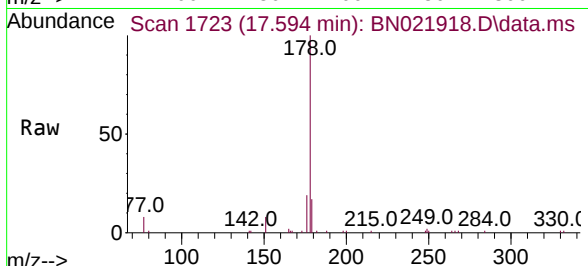




#26
 Anthracene
 Concen: 0.385 ng
 RT: 17.594 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

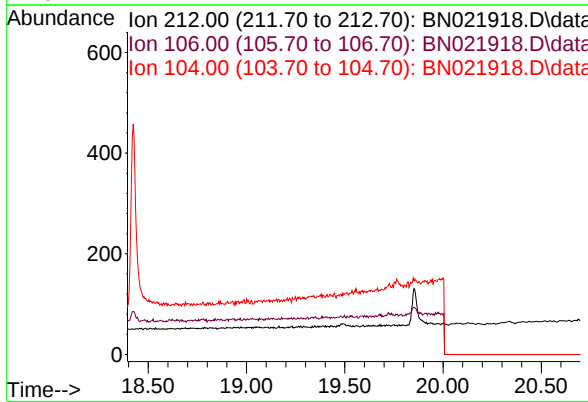
Instrument :
 BNA_N
 ClientSampleId :
 SP6013

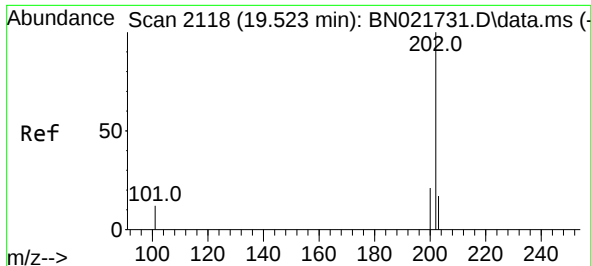
Tgt Ion:	178	Resp:	10658
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.0	22.6
179	14.9	12.2	18.2



#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.49 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

Tgt Ion:	212
Sig	Exp Ratio
212	100
106	17.9
104	10.0

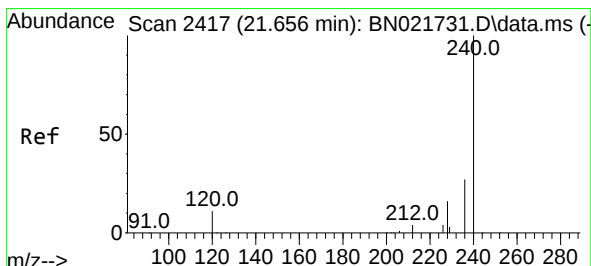
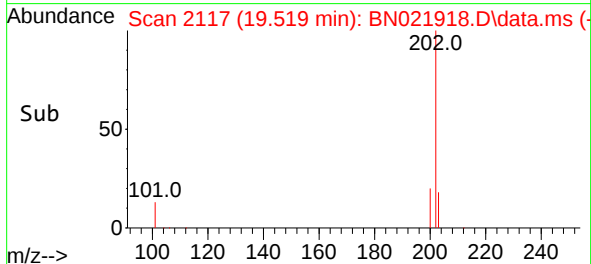
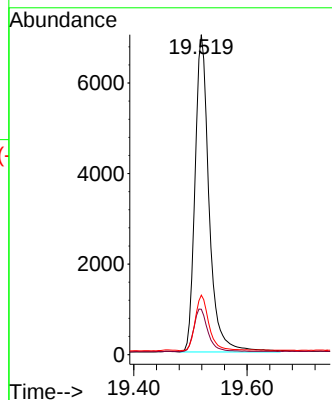
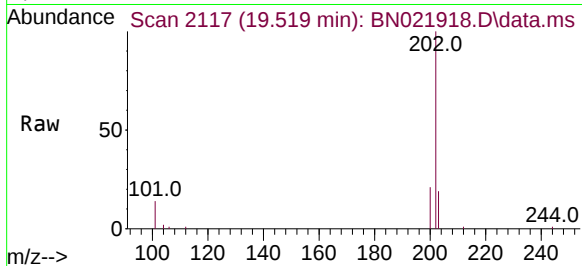




#28
Fluoranthene
Concen: 0.342 ng
RT: 19.519 min Scan# 2117
Delta R.T. -0.004 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

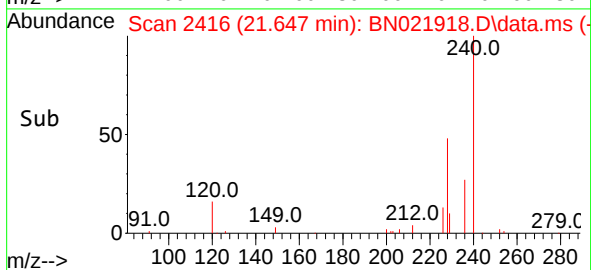
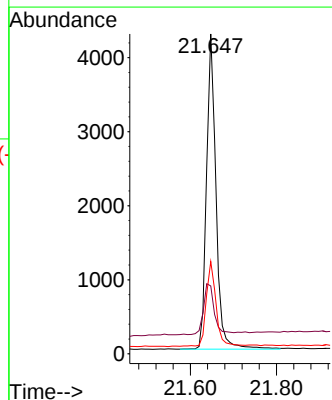
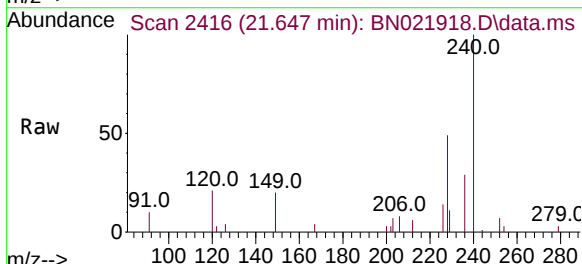
Instrument :
BNA_N
ClientSampleId :
SP6013

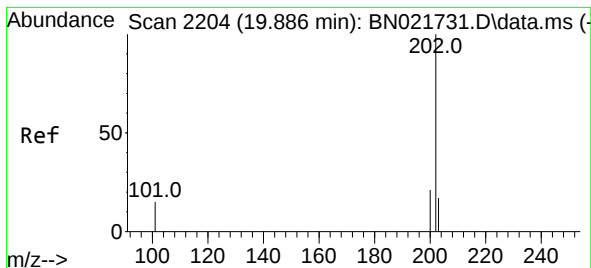
Tgt Ion:202 Resp: 12024
Ion Ratio Lower Upper
202 100
101 13.6 11.0 16.4
203 17.4 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.647 min Scan# 2416
Delta R.T. -0.009 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion:240 Resp: 6457
Ion Ratio Lower Upper
240 100
120 21.2 9.8 14.8#
236 28.9 22.2 33.4





#30

Pyrene

Concen: 0.420 ng

RT: 19.882 min Scan# 21

Delta R.T. -0.004 min

Lab File: BN021918.D

Acq: 26 Sep 2022 15:00

Instrument :

BNA_N

ClientSampleId :

SP6013

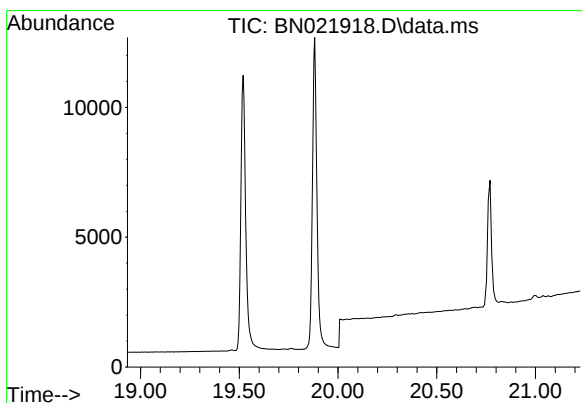
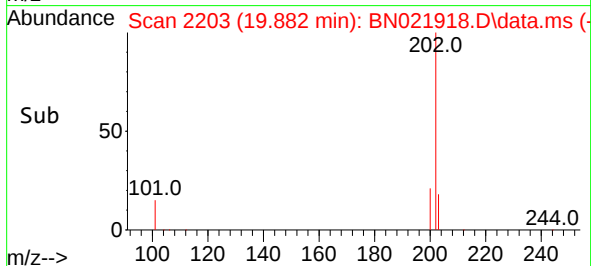
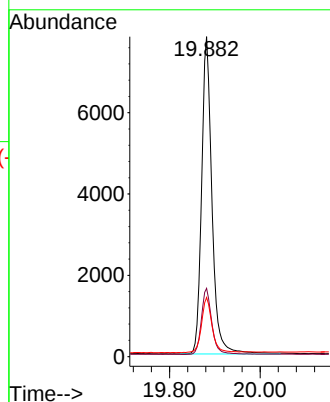
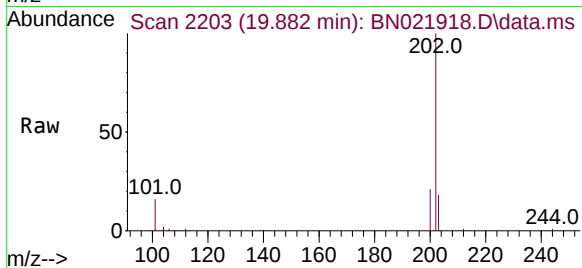
Tgt Ion: 202 Resp: 13473

Ion Ratio Lower Upper

202 100

200 19.3 15.0 22.4

203 16.2 12.8 19.2



#31

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 20.08 min

Lab File: BN021918.D

Acq: 26 Sep 2022 15:00

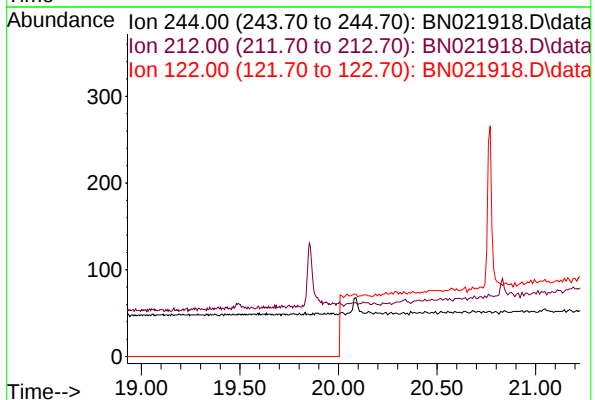
Tgt Ion: 244

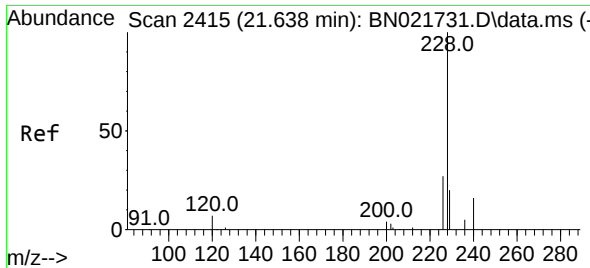
Sig Exp Ratio

244 100

212 9.9

122 19.8

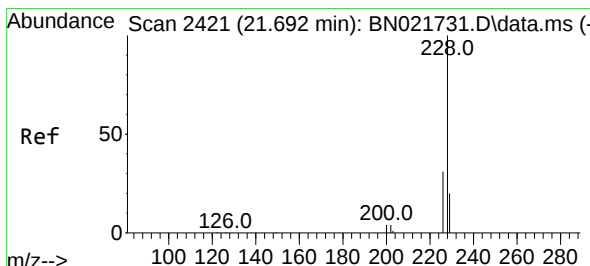
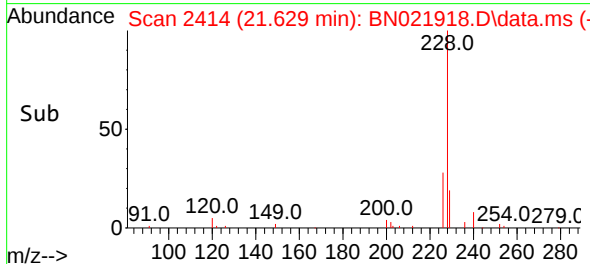
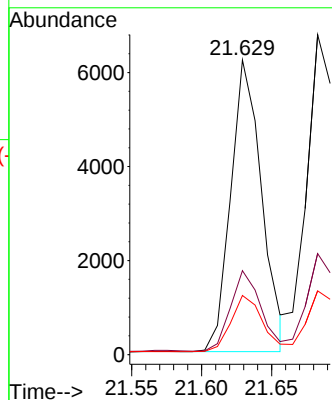
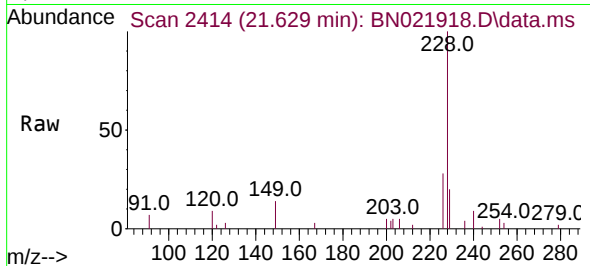




#32
Benzo(a)anthracene
Concen: 0.385 ng
RT: 21.629 min Scan# 2415
Delta R.T. -0.009 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

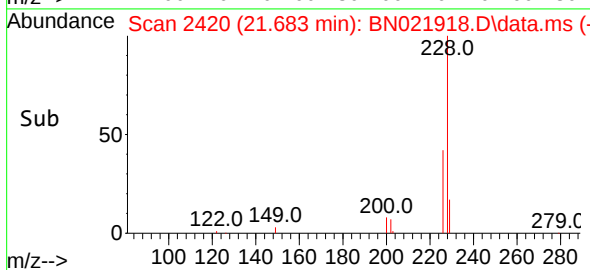
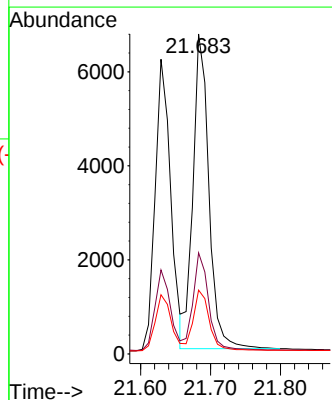
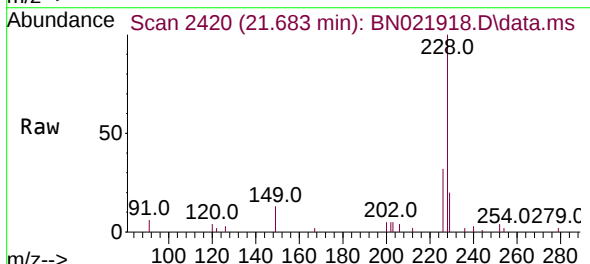
Instrument :
BNA_N
ClientSampleId :
SP6013

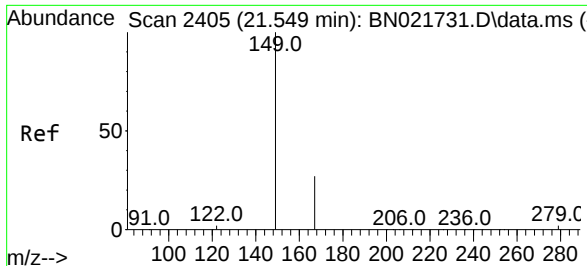
Tgt Ion:228 Resp: 9521
Ion Ratio Lower Upper
228 100
226 28.5 21.5 32.3
229 20.1 15.8 23.8



#33
Chrysene
Concen: 0.411 ng
RT: 21.683 min Scan# 2420
Delta R.T. -0.009 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion:228 Resp: 10576
Ion Ratio Lower Upper
228 100
226 31.6 24.5 36.7
229 19.9 16.0 24.0

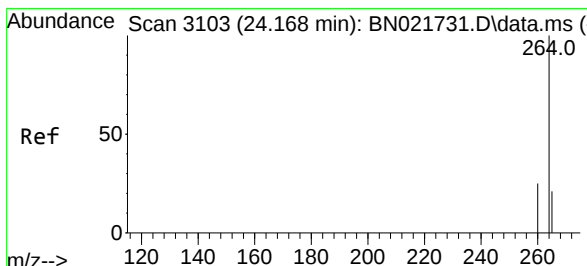
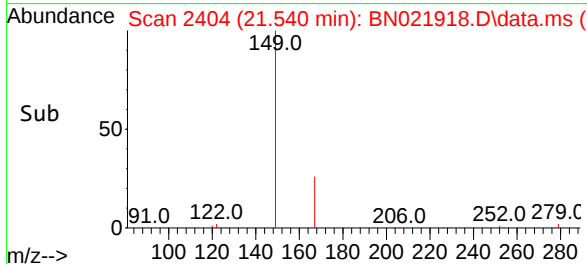
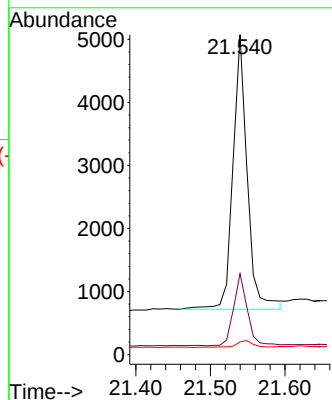
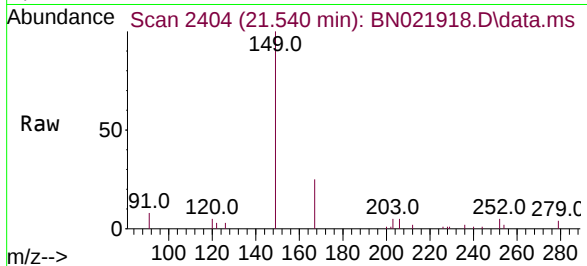




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.351 ng
 RT: 21.540 min Scan# 2405
 Delta R.T. -0.009 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

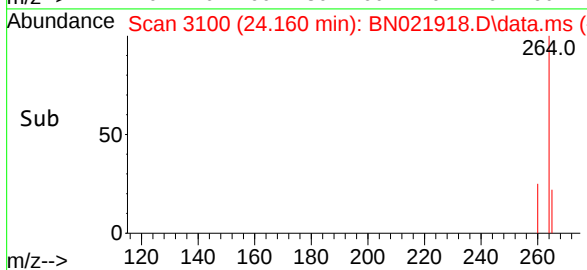
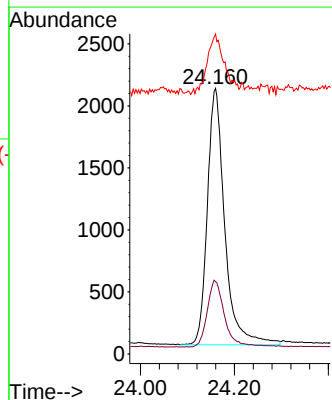
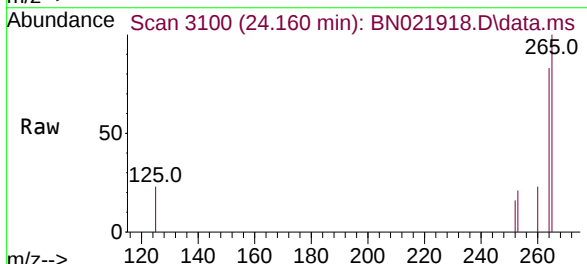
Instrument :
 BNA_N
 ClientSampleId :
 SP6013

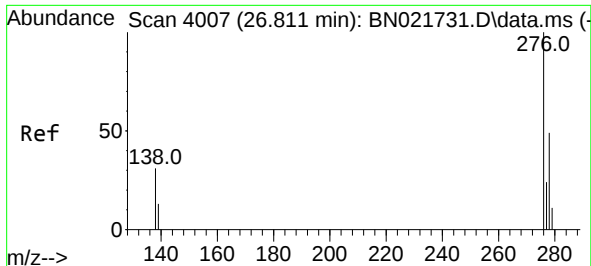
Tgt Ion:149 Resp: 5810
 Ion Ratio Lower Upper
 149 100
 167 25.1 20.8 31.2
 279 3.0 2.1 3.1



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.160 min Scan# 3100
 Delta R.T. -0.009 min
 Lab File: BN021918.D
 Acq: 26 Sep 2022 15:00

Tgt Ion:264 Resp: 5327
 Ion Ratio Lower Upper
 264 100
 260 27.2 20.6 31.0
 265 120.5 34.4 51.6#

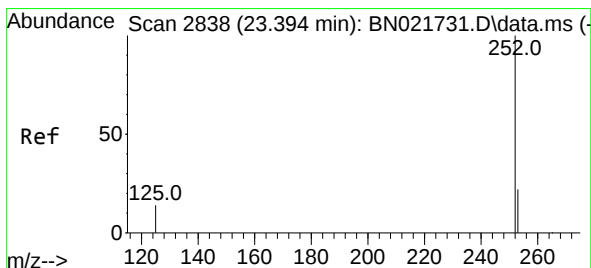
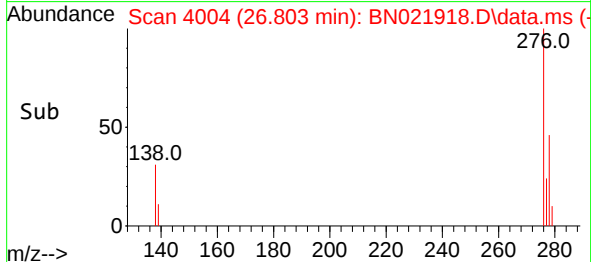
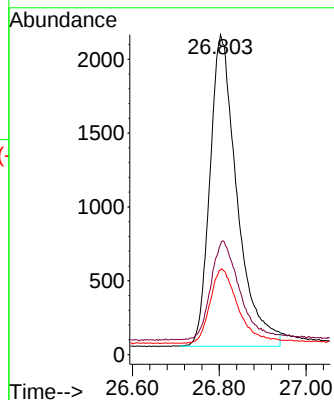
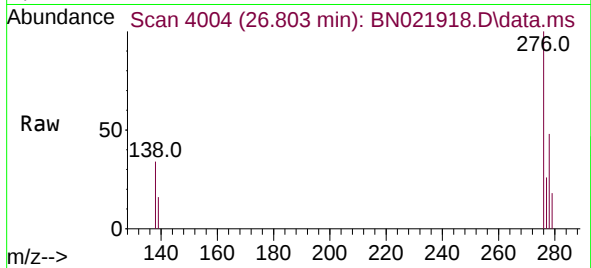




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.362 ng
RT: 26.803 min Scan# 4004
Delta R.T. -0.009 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

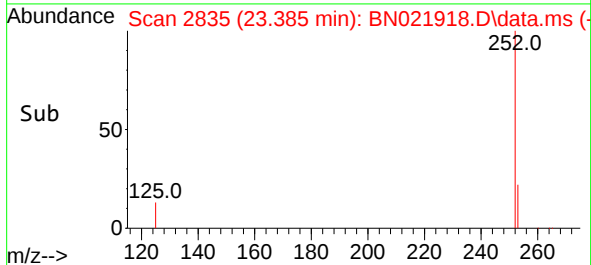
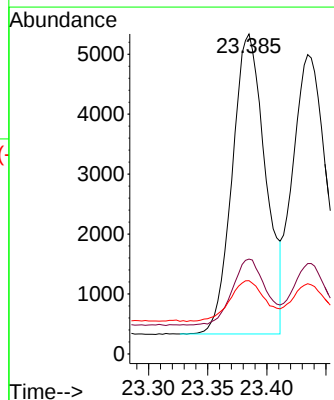
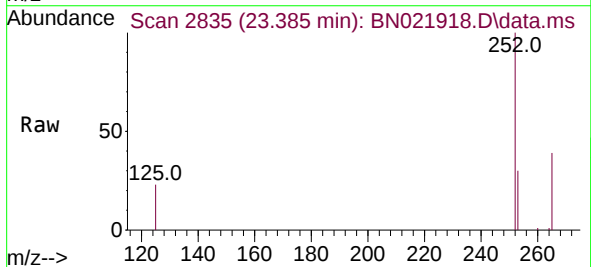
Instrument :
BNA_N
ClientSampleId :
SP6013

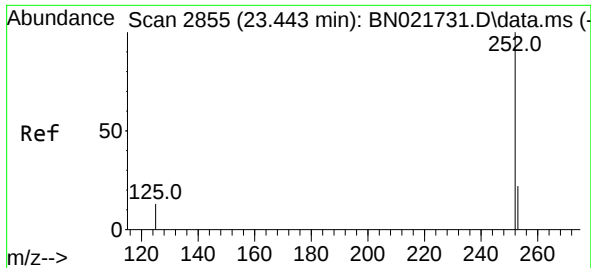
Tgt Ion:276 Resp: 9161
Ion Ratio Lower Upper
276 100
138 33.7 27.4 41.0
277 24.4 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 0.404 ng
RT: 23.385 min Scan# 2835
Delta R.T. -0.009 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion:252 Resp: 9771
Ion Ratio Lower Upper
252 100
253 29.6 19.6 29.4#
125 22.9 13.0 19.4#

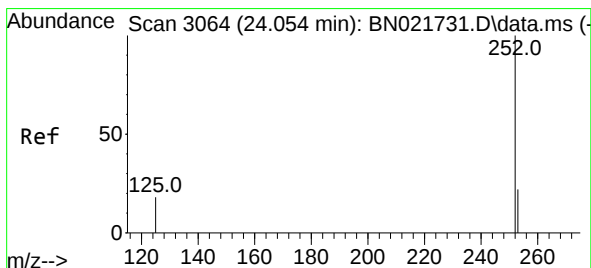
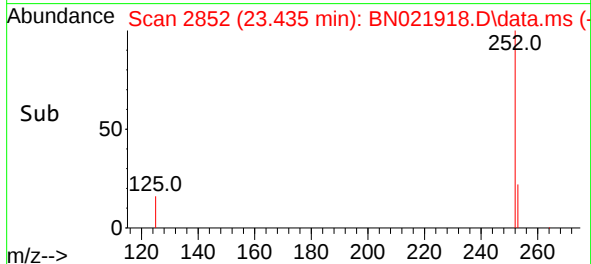
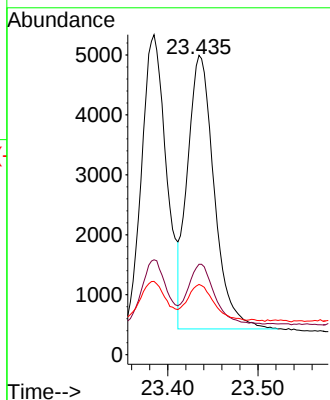
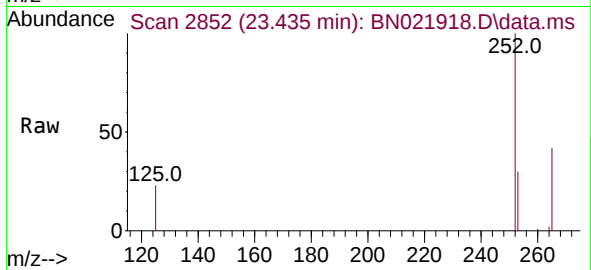




#38
Benzo(k)fluoranthene
Concen: 0.398 ng
RT: 23.435 min Scan# 2852
Delta R.T. -0.009 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

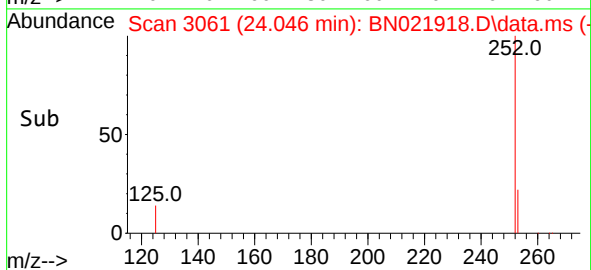
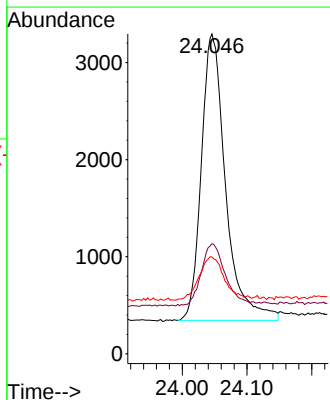
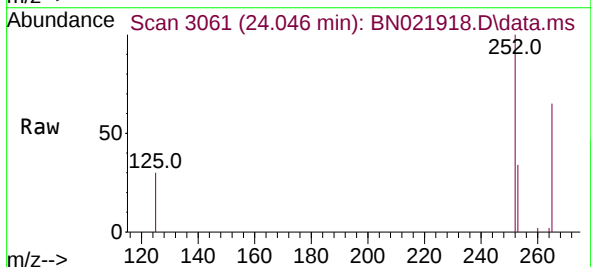
Instrument :
BNA_N
ClientSampleId :
SP6013

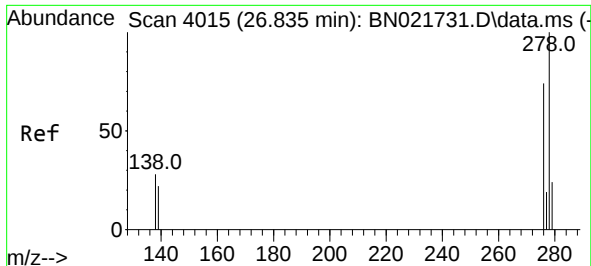
Tgt Ion:252 Resp: 9407
Ion Ratio Lower Upper
252 100
253 30.2 19.4 29.2#
125 23.5 12.6 18.8#



#39
Benzo(a)pyrene
Concen: 0.399 ng
RT: 24.046 min Scan# 3061
Delta R.T. -0.009 min
Lab File: BN021918.D
Acq: 26 Sep 2022 15:00

Tgt Ion:252 Resp: 7687
Ion Ratio Lower Upper
252 100
253 34.4 20.8 31.2#
125 30.3 17.4 26.0#





#40

Dibenzo(a,h)anthracene

Concen: 0.369 ng

RT: 26.832 min Scan# 4015

Delta R.T. -0.003 min

Lab File: BN021918.D

Acq: 26 Sep 2022 15:00

Instrument :

BNA_N

ClientSampleId :

SP6013

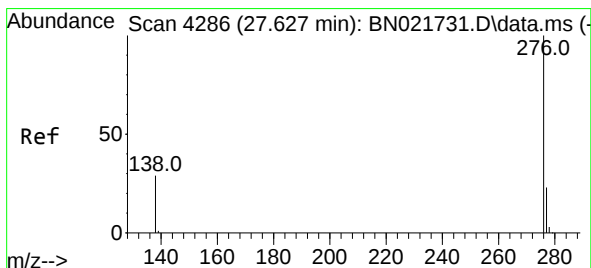
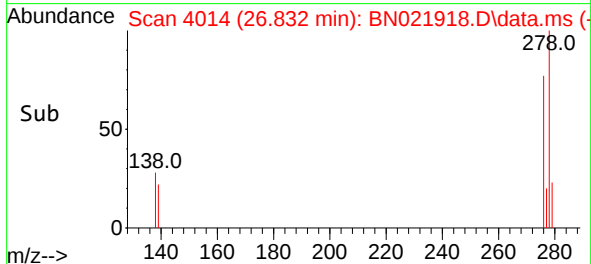
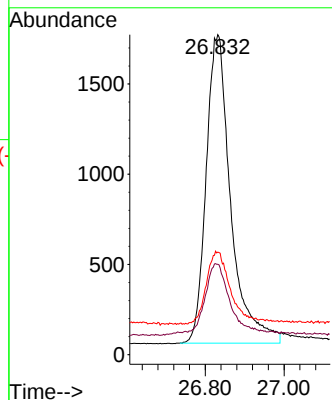
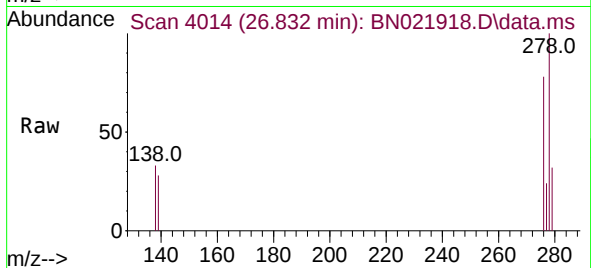
Tgt Ion:278 Resp: 7399

Ion Ratio Lower Upper

278 100

139 28.2 19.2 28.8

279 32.0 20.5 30.7#



#41

Benzo(g,h,i)perylene

Concen: 0.438 ng

RT: 27.612 min Scan# 4281

Delta R.T. -0.015 min

Lab File: BN021918.D

Acq: 26 Sep 2022 15:00

Tgt Ion:276 Resp: 9022

Ion Ratio Lower Upper

276 100

277 25.6 19.2 28.8

138 32.8 24.2 36.2

