

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033122\
 Data File : BN019312.D
 Acq On : 02 Apr 2022 07:03
 Operator : CG/JU
 Sample : N2220-08 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 04 06:03:20 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN033122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 12:41:03 2022
 Response via : Initial Calibration

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

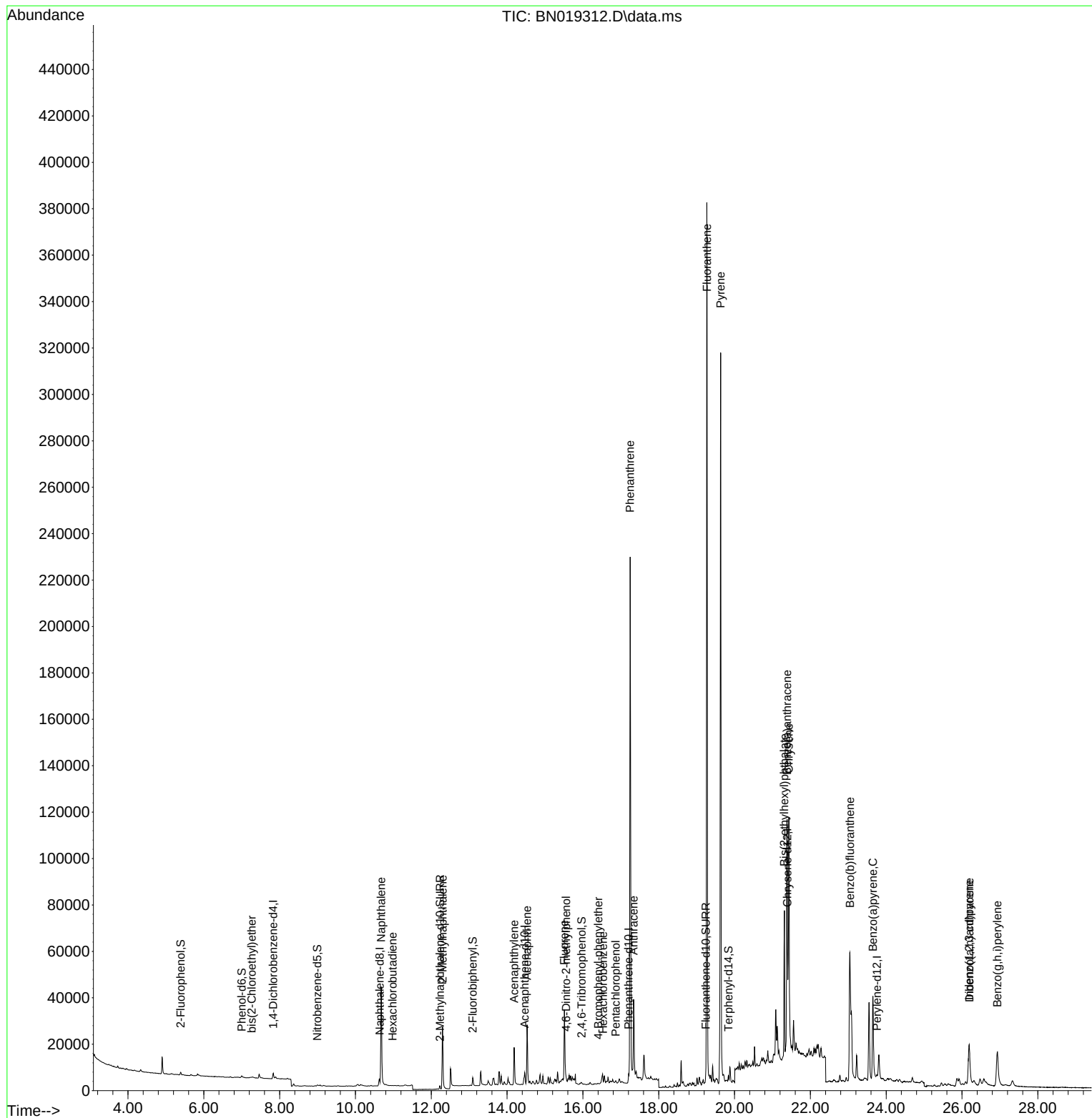
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	1272	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	4046	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	2694	0.400	ng	-0.01
19) Phenanthrene-d10	17.205	188	5196	0.400	ng	#-0.01
29) Chrysene-d12	21.395	240	3374	0.400	ng	# 0.00
35) Perylene-d12	23.755	264	2090	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	1125	0.404	ng	0.00
5) Phenol-d6	7.002	99	951	0.322	ng	0.00
8) Nitrobenzene-d5	8.993	82	862	0.297	ng	0.00
11) 2-Methylnaphthalene-d10	12.227	152	2397	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	382	0.303	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	3179	0.294	ng	-0.01
27) Fluoranthene-d10	19.240	212	4645	0.298	ng	0.00
31) Terphenyl-d14	19.839	244	2696	0.359	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.262	93	279	0.079	ng	# 40
9) Naphthalene	10.680	128	59364	5.062	ng	99
10) Hexachlorobutadiene	10.979	225	57	0.021	ng	# 99
12) 2-Methylnaphthalene	12.299	142	21352	2.822	ng	99
16) Acenaphthylene	14.185	152	18577	1.497	ng	98
17) Acenaphthene	14.527	154	12553	1.421	ng	97
18) Fluorene	15.511	166	21146	1.915	ng	99
20) 4,6-Dinitro-2-methylph...	15.554	198	9	0.100	ng	# 1
21) 4-Bromophenyl-phenylether	16.405	248	101	0.030	ng	# 1
22) Hexachlorobenzene	16.528	284	108	0.025	ng	# 53
24) Pentachlorophenol	16.867	266	64	0.051	ng	96
25) Phenanthrene	17.246	178	239101	14.616	ng	100
26) Anthracene	17.338	178	44445	3.286	ng	99
28) Fluoranthene	19.270	202	350705	17.972	ng	100
30) Pyrene	19.632	202	287082	17.223	ng	# 95
32) Benzo(a)anthracene	21.387	228	105158	9.947	ng	96
33) Chrysene	21.431	228	102134	7.558	ng	97
34) Bis(2-ethylhexyl)phtha...	21.315	149	56151	7.947	ng	100
36) Indeno(1,2,3-cd)pyrene	26.188	276	33496	3.921	ng	# 88
37) Benzo(b)fluoranthene	23.042	252	98889	12.737	ng	98
39) Benzo(a)pyrene	23.647	252	57539	8.157	ng	98
40) Dibenzo(a,h)anthracene	26.194	278	7743	1.242	ng	# 77
41) Benzo(g,h,i)perylene	26.933	276	37006	4.247	ng	99

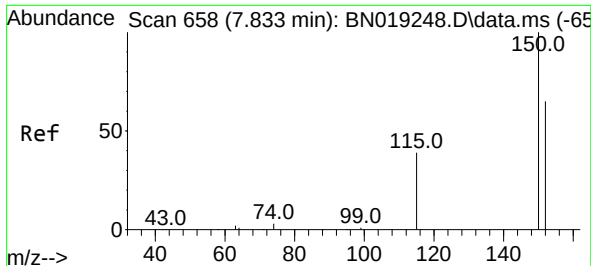
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033122\
Data File : BN019312.D
Acq On : 02 Apr 2022 07:03
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Misc :
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Instrument :
BNA_N
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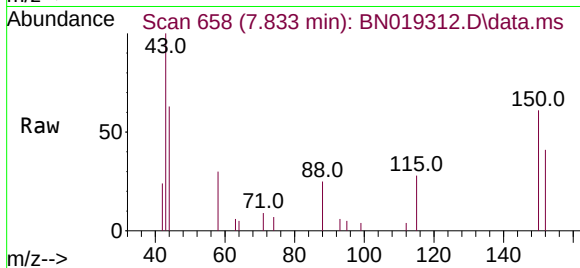
Quant Time: Apr 04 06:03:20 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN033122.M
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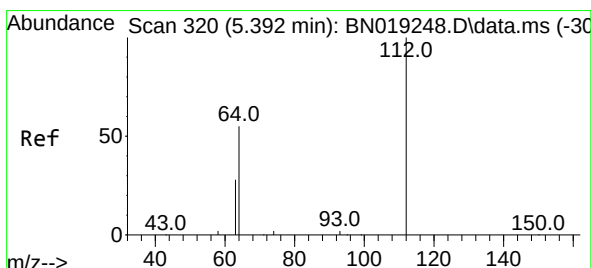
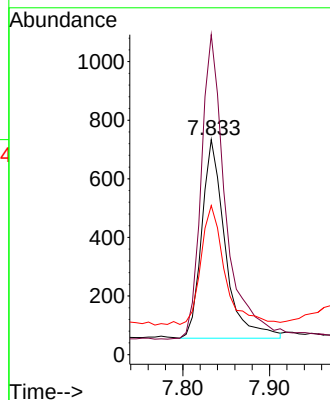
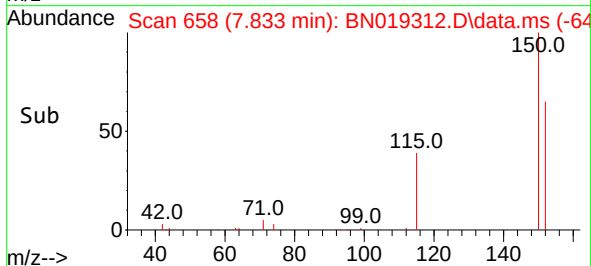


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Instrument :
BNA_N
ClientSampleId :

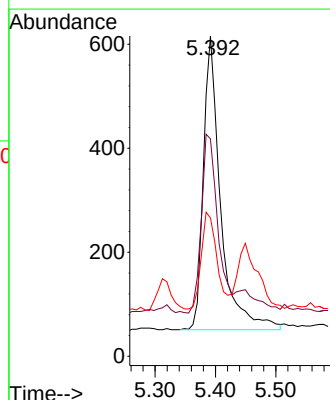
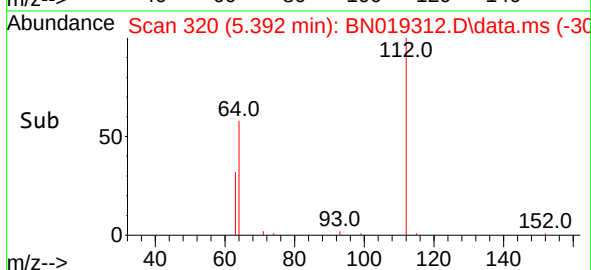
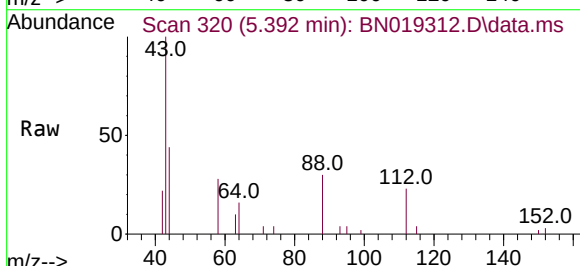


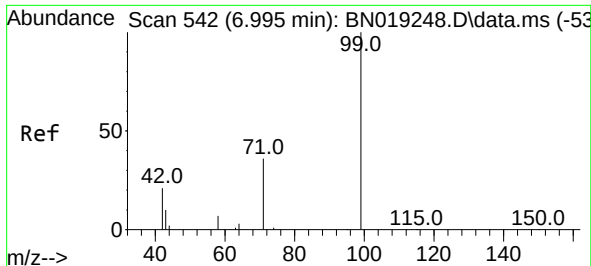
Tgt Ion:152 Resp: 1272
Ion Ratio Lower Upper
152 100
150 148.8 123.9 185.9
115 69.3 48.2 72.4



#4
2-Fluorophenol
Concen: 0.404 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.000 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion:112 Resp: 1125
Ion Ratio Lower Upper
112 100
64 59.1 47.8 71.8
63 29.4 25.7 38.5

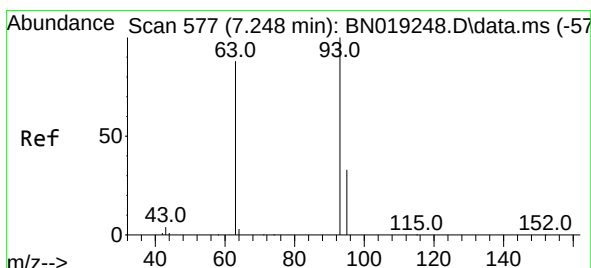
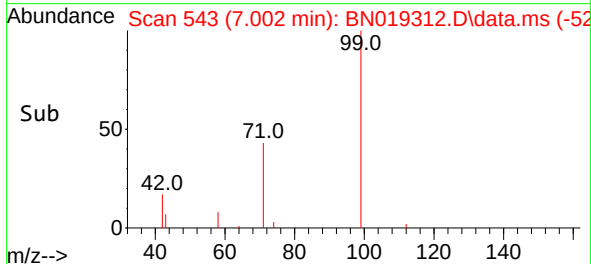
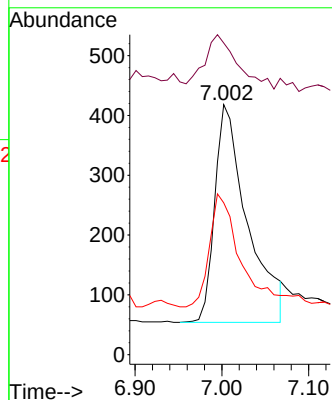
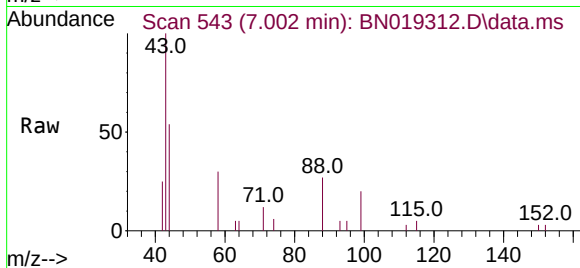




#5
Phenol-d6
Concen: 0.322 ng
RT: 7.002 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

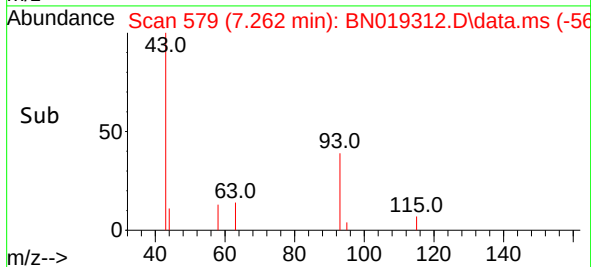
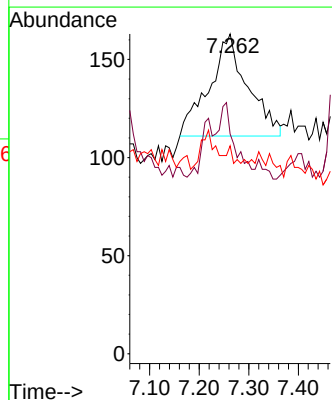
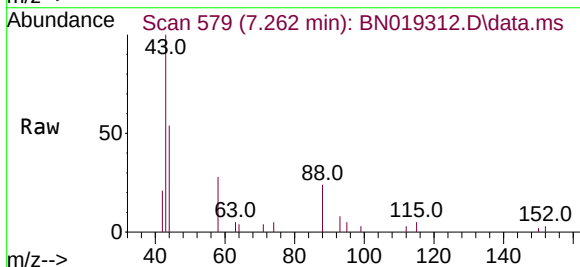
Instrument :
BNA_N
ClientSampleId :

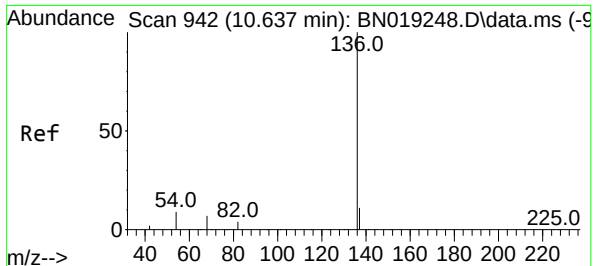
Tgt Ion: 99 Resp: 951
Ion Ratio Lower Upper
99 100
42 25.1 16.2 24.4#
71 47.9 27.7 41.5#



#6
bis(2-Chloroethyl)ether
Concen: 0.079 ng
RT: 7.262 min Scan# 579
Delta R.T. 0.014 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion: 93 Resp: 279
Ion Ratio Lower Upper
93 100
63 25.4 62.8 94.2#
95 0.0 26.2 39.4#

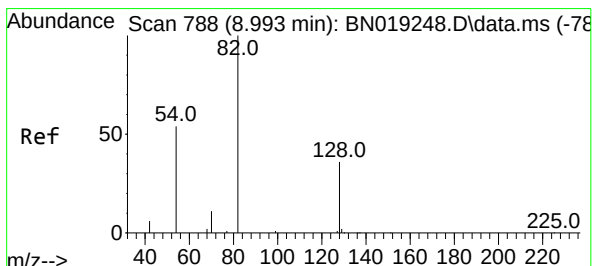
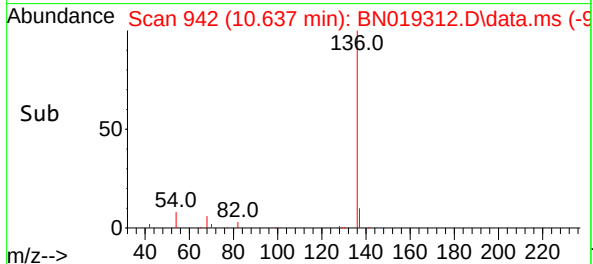
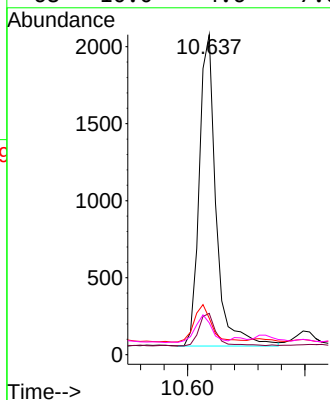
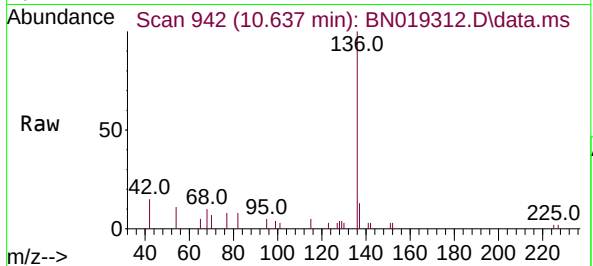




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.000 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

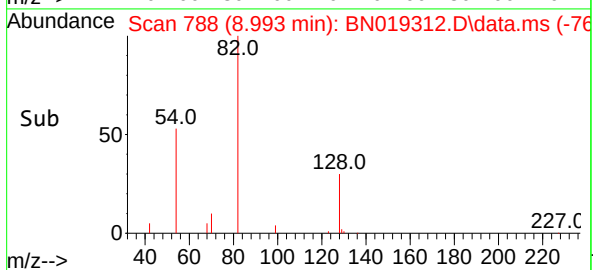
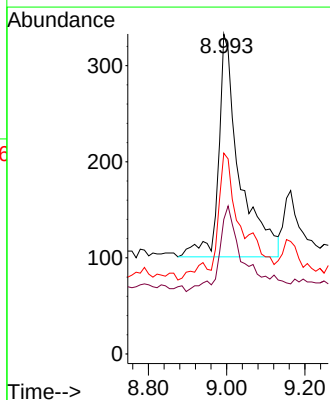
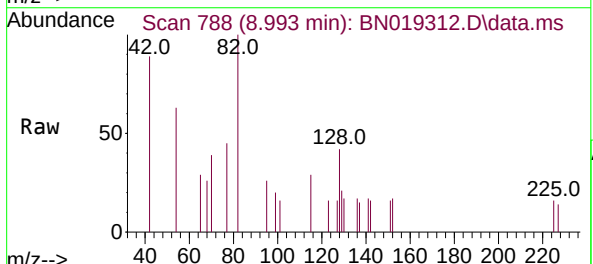
Instrument :
BNA_N
ClientSampleId :

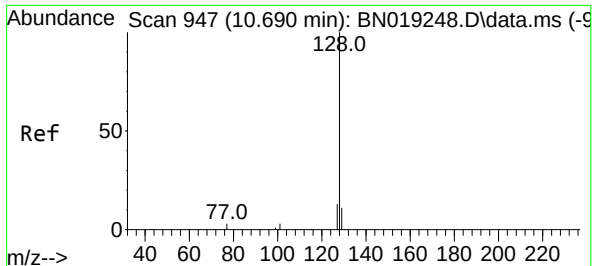
Tgt Ion:	136	Resp:	4046
Ion Ratio	Lower	Upper	
136	100		
137	12.9	9.0	13.4
54	11.4	5.8	8.6#
68	10.0	4.6	7.0#



#8
Nitrobenzene-d5
Concen: 0.297 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion:	82	Resp:	862
Ion Ratio	Lower	Upper	
82	100		
128	42.0	33.0	49.6
54	62.8	42.5	63.7

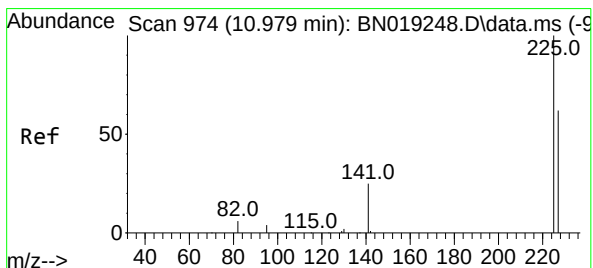
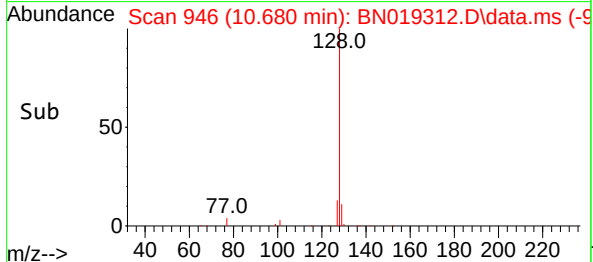
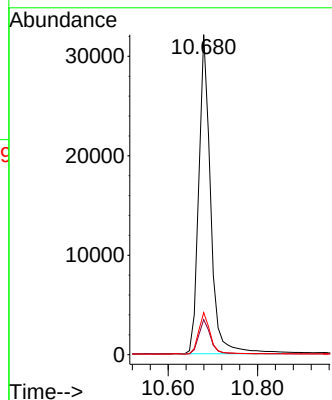
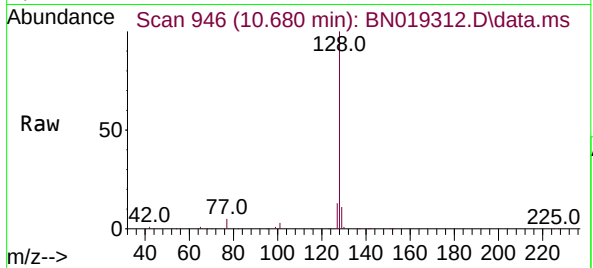




#9
Naphthalene
Concen: 5.062 ng
RT: 10.680 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

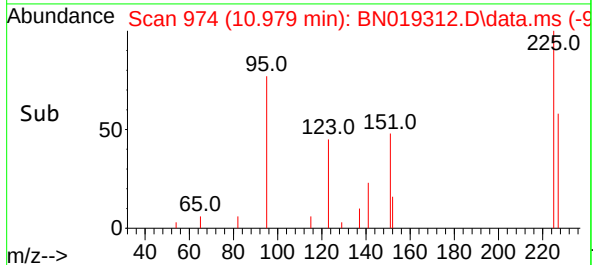
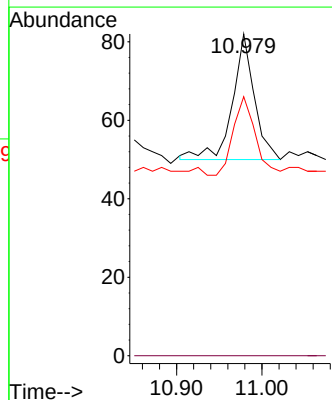
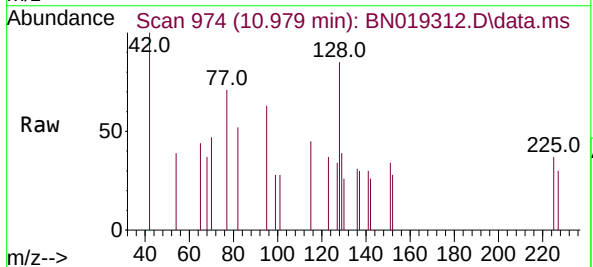
Instrument :
BNA_N
ClientSampleId :

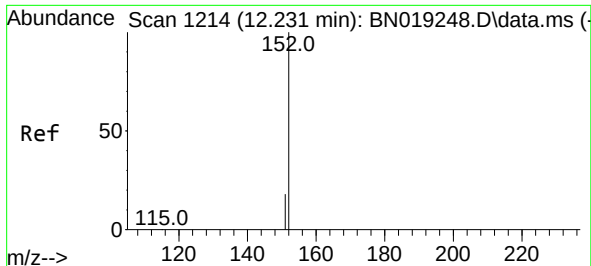
Tgt Ion:128 Resp: 59364
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.2 10.7 16.1



#10
Hexachlorobutadiene
Concen: 0.021 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion:225 Resp: 57
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.2 51.0 76.6





#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 12.227 min Scan# 11

Delta R.T. -0.004 min

Lab File: BN019312.D

Acq: 02 Apr 2022 07:03

Instrument :

BNA_N

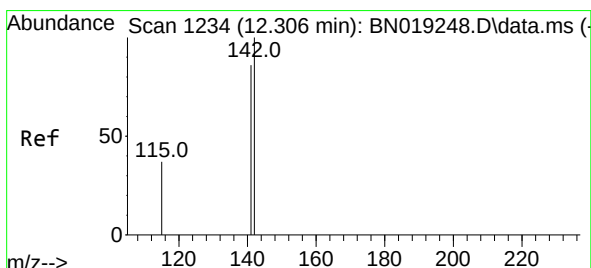
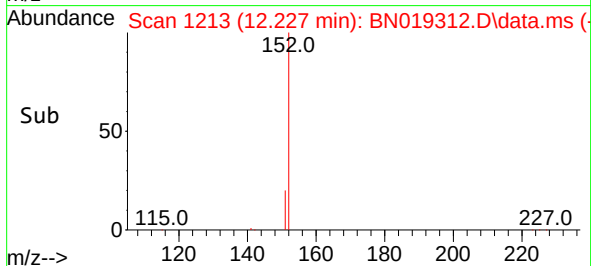
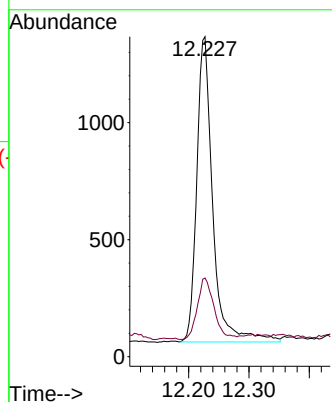
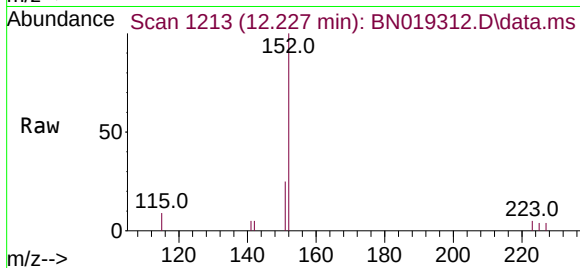
ClientSampleId :

Tgt Ion:152 Resp: 2397

Ion Ratio Lower Upper

152 100

151 21.0 16.5 24.7



#12

2-Methylnaphthalene

Concen: 2.822 ng

RT: 12.299 min Scan# 1232

Delta R.T. -0.008 min

Lab File: BN019312.D

Acq: 02 Apr 2022 07:03

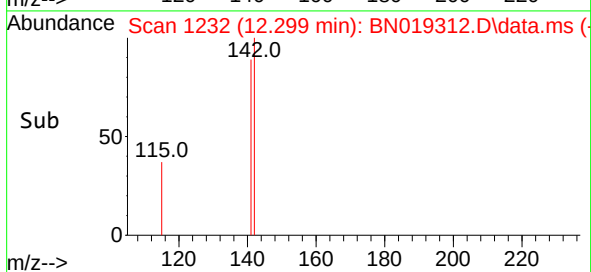
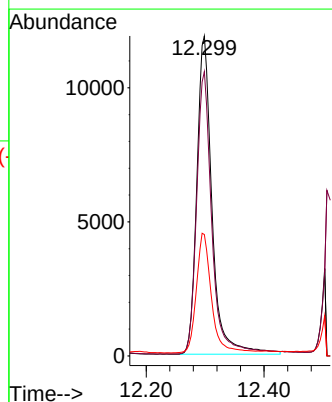
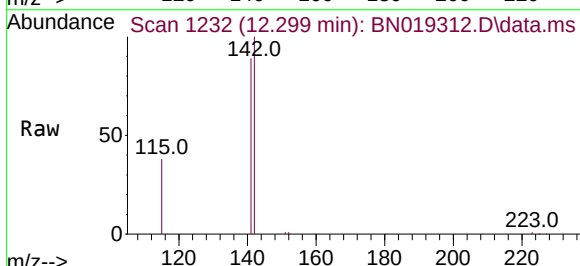
Tgt Ion:142 Resp: 21352

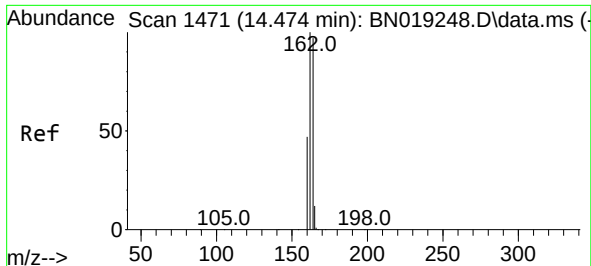
Ion Ratio Lower Upper

142 100

141 88.9 70.0 105.0

115 37.9 29.8 44.8

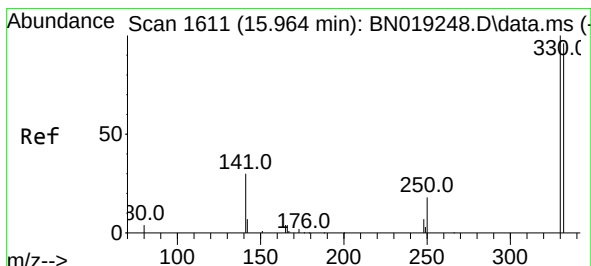
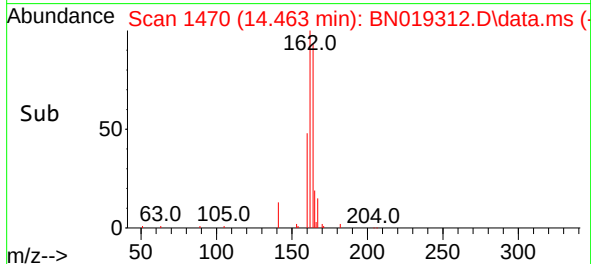
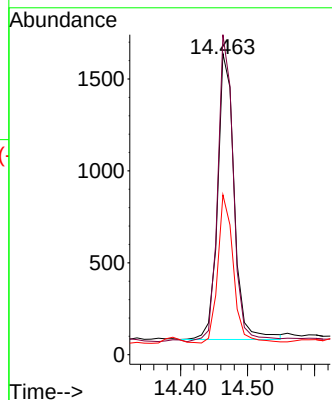
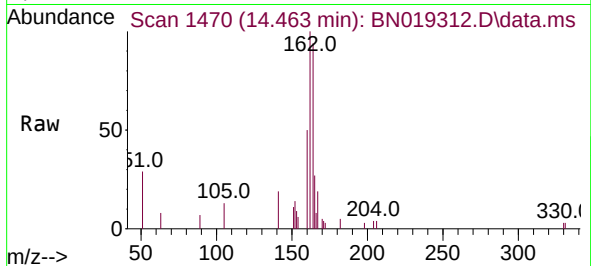




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

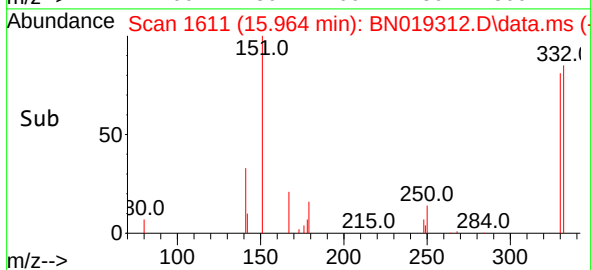
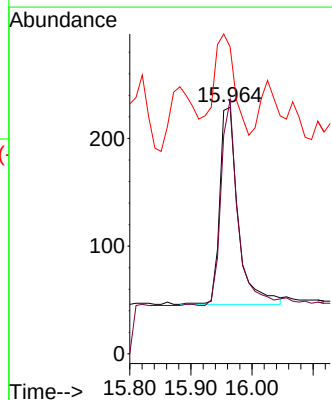
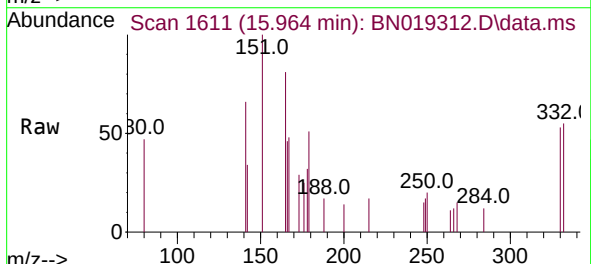
Instrument :
BNA_N
ClientSampleId :

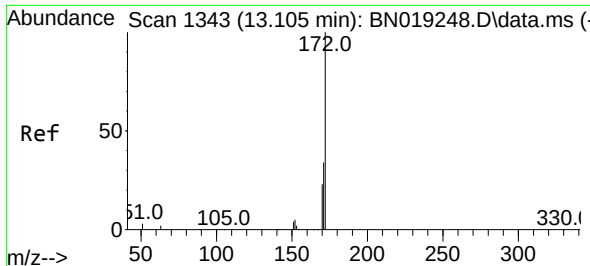
Tgt Ion:164 Resp: 2694
Ion Ratio Lower Upper
164 100
162 106.3 85.2 127.8
160 53.1 41.5 62.3



#14
2,4,6-Tribromophenol
Concen: 0.303 ng
RT: 15.964 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion:330 Resp: 382
Ion Ratio Lower Upper
330 100
332 95.5 76.8 115.2
141 56.8 32.2 48.2#

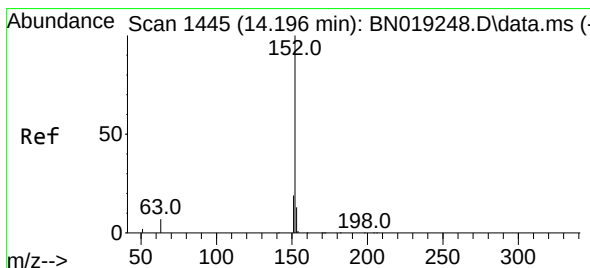
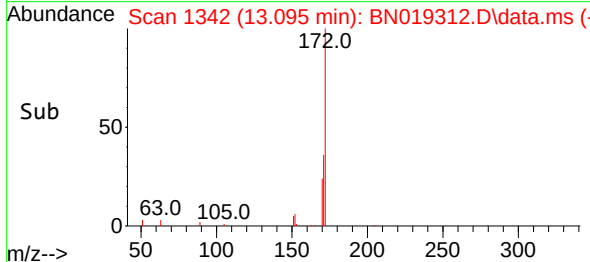
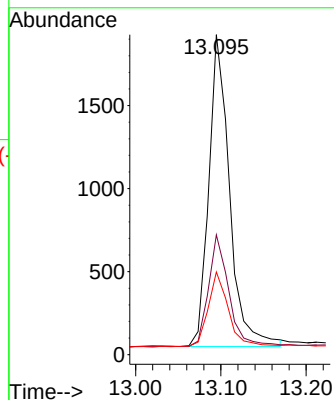
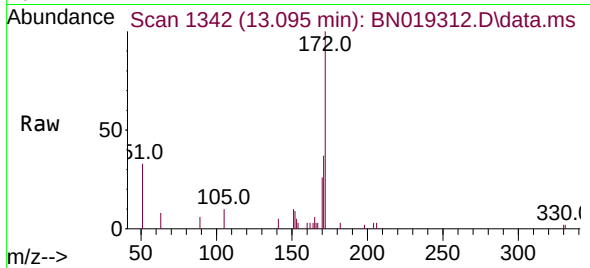




#15
2-Fluorobiphenyl
Concen: 0.294 ng
RT: 13.095 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

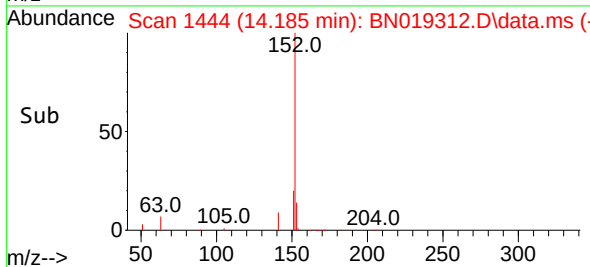
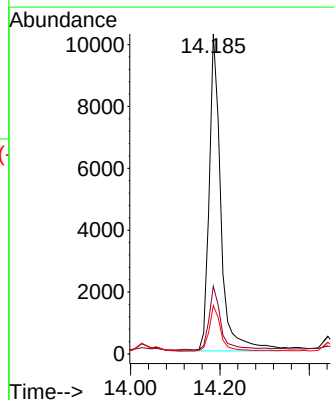
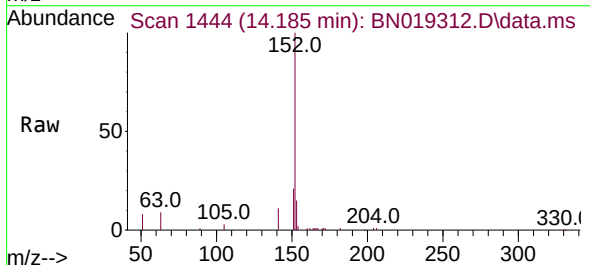
Instrument :
BNA_N
ClientSampleId :

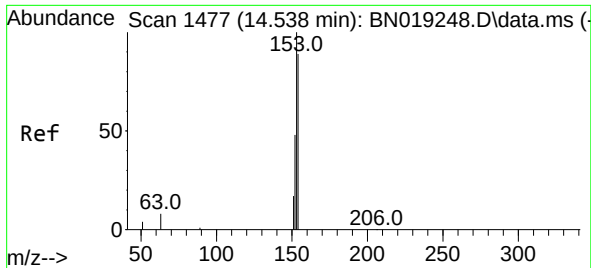
Tgt Ion:172 Resp: 3179
Ion Ratio Lower Upper
172 100
171 37.5 28.2 42.2
170 25.8 18.7 28.1



#16
Acenaphthylene
Concen: 1.497 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.011 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion:152 Resp: 18577
Ion Ratio Lower Upper
152 100
151 20.6 15.9 23.9
153 13.9 10.6 15.8

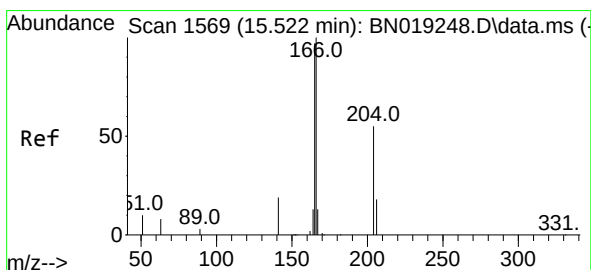
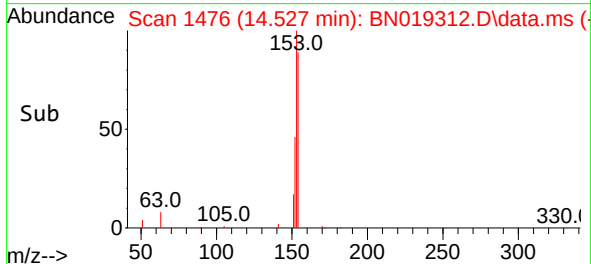
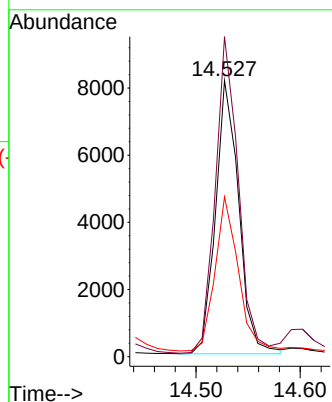
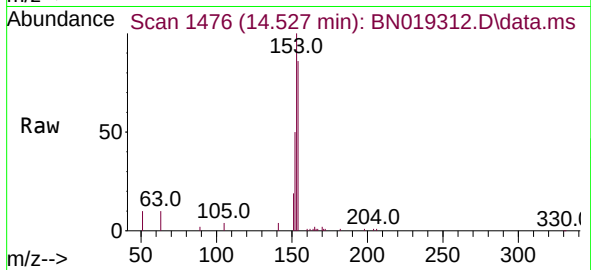




#17
Acenaphthene
Concen: 1.421 ng
RT: 14.527 min Scan# 1476
Delta R.T. -0.011 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

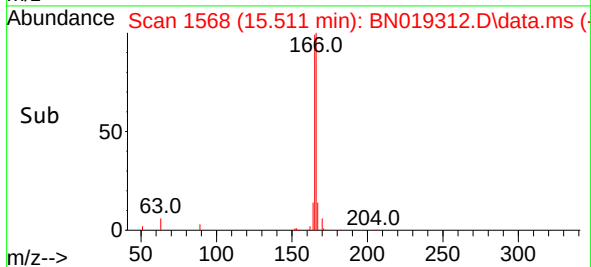
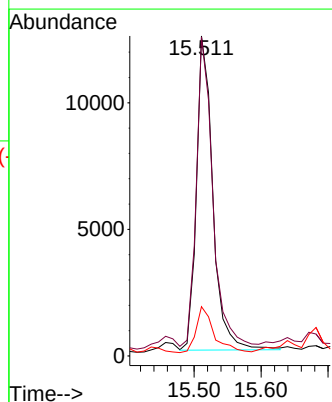
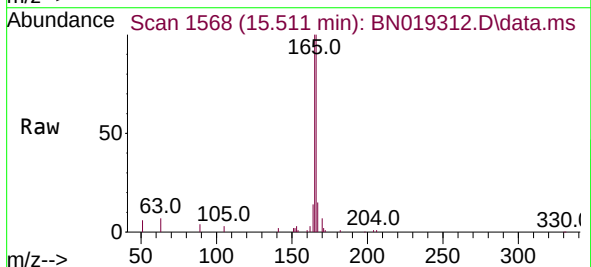
Instrument :
BNA_N
ClientSampleId :

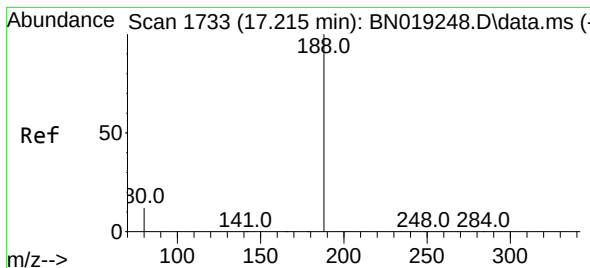
Tgt Ion:154 Resp: 12553
Ion Ratio Lower Upper
154 100
153 115.0 89.7 134.5
152 58.0 44.7 67.1



#18
Fluorene
Concen: 1.915 ng
RT: 15.511 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion:166 Resp: 21146
Ion Ratio Lower Upper
166 100
165 98.4 79.2 118.8
167 16.0 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.205 min Scan# 1

Delta R.T. -0.010 min

Lab File: BN019312.D

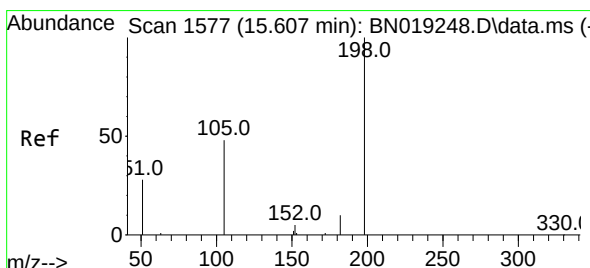
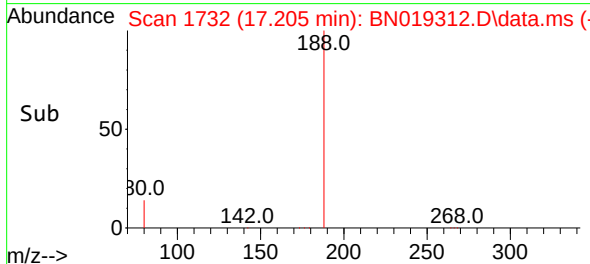
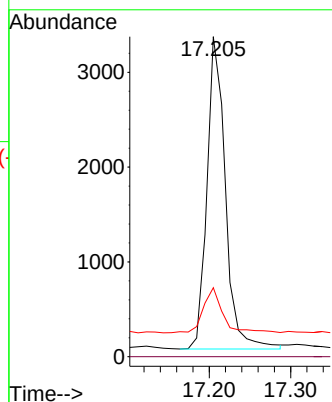
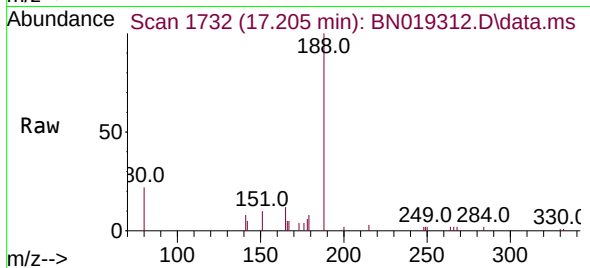
Acq: 02 Apr 2022 07:03

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:188	Resp:	5196
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	21.6	11.8



#20

4,6-Dinitro-2-methylphenol

Concen: 0.100 ng

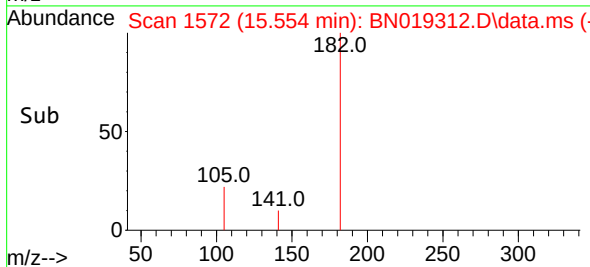
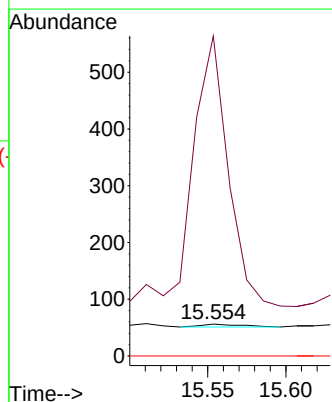
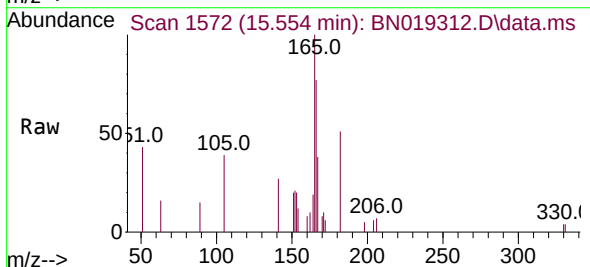
RT: 15.554 min Scan# 1572

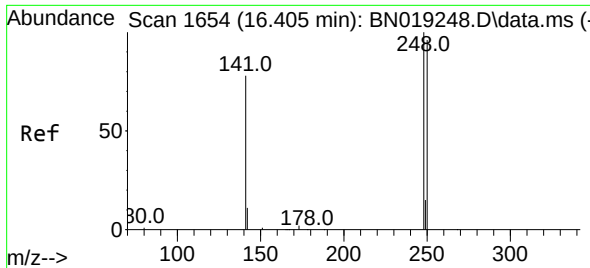
Delta R.T. -0.053 min

Lab File: BN019312.D

Acq: 02 Apr 2022 07:03

Tgt Ion:198	Resp:	9
Ion Ratio	Lower	Upper
198	100	
182	1007.1	13.0
77	0.0	0.0

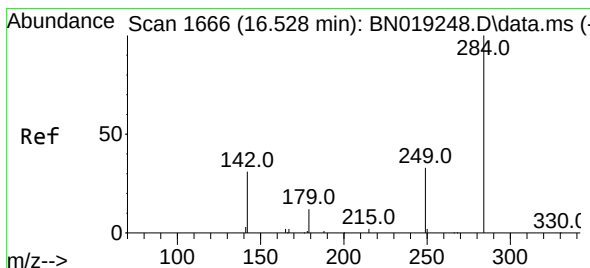
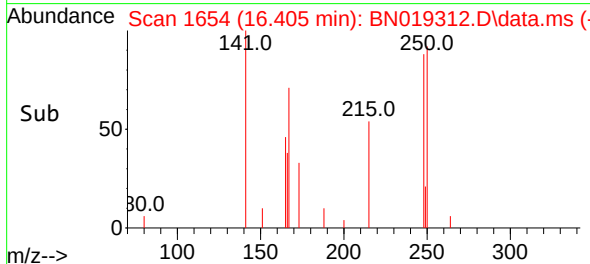
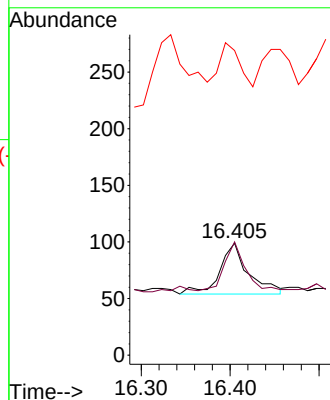
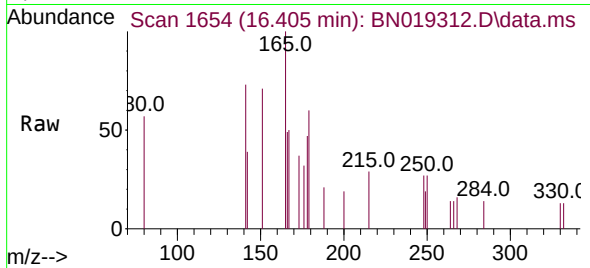




#21
4-Bromophenyl-phenylether
Concen: 0.030 ng
RT: 16.405 min Scan# 1654
Delta R.T. -0.000 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

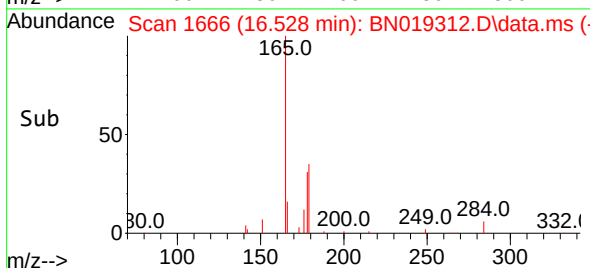
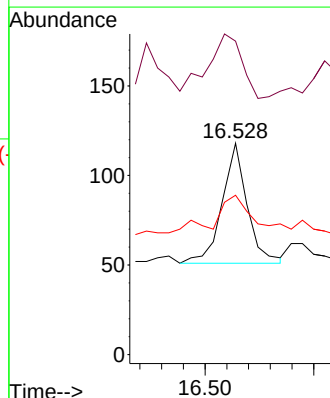
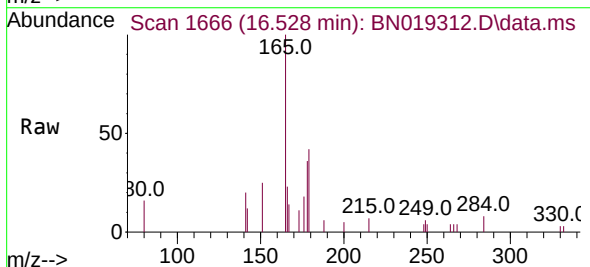
Instrument :
BNA_N
ClientSampleId :

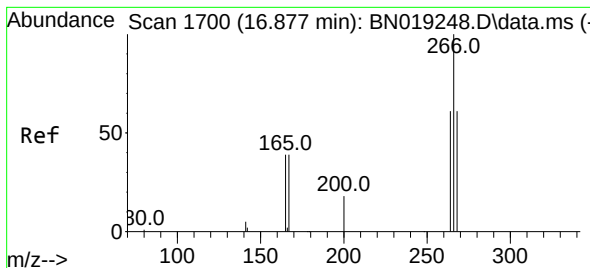
Tgt Ion:248 Resp: 101
Ion Ratio Lower Upper
248 100
250 101.0 80.7 121.1
141 271.7 39.6 59.4#



#22
Hexachlorobenzene
Concen: 0.025 ng
RT: 16.528 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion:284 Resp: 108
Ion Ratio Lower Upper
284 100
142 69.4 29.8 44.8#
249 54.6 26.2 39.2#





#24

Pentachlorophenol

Concen: 0.051 ng

RT: 16.867 min Scan# 1

Delta R.T. -0.010 min

Lab File: BN019312.D

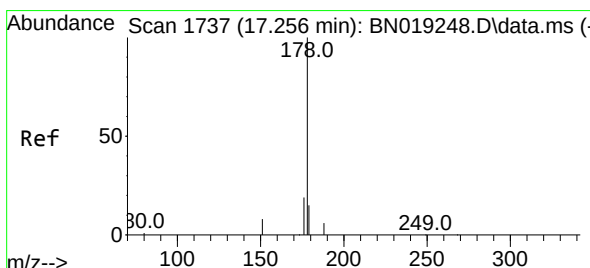
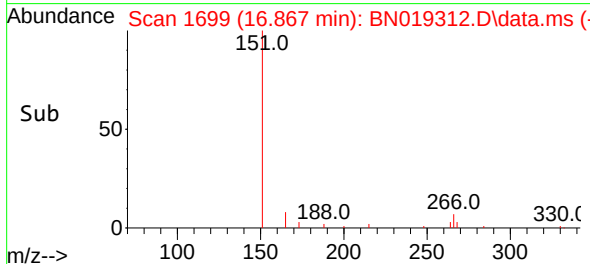
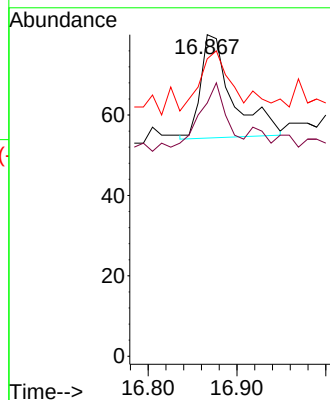
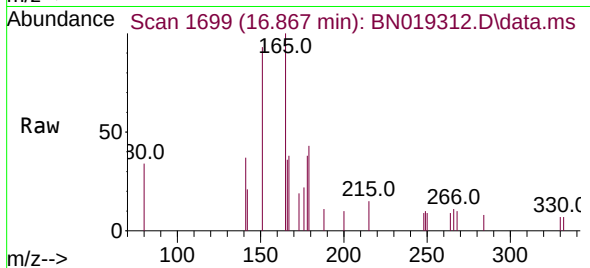
Acq: 02 Apr 2022 07:03

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:266	Resp:	64
Ion Ratio	Lower	Upper
266	100	
264	60.9	50.2 75.4
268	60.9	51.9 77.9



#25

Phenanthrene

Concen: 14.616 ng

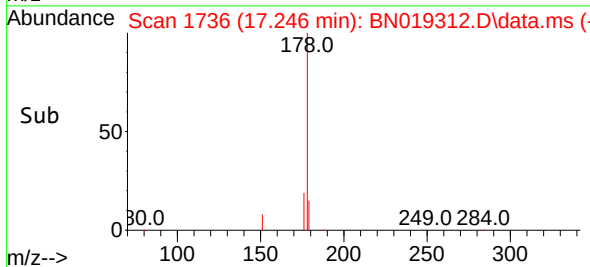
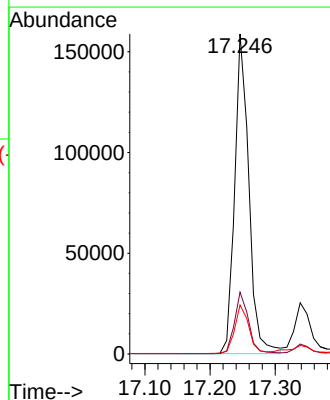
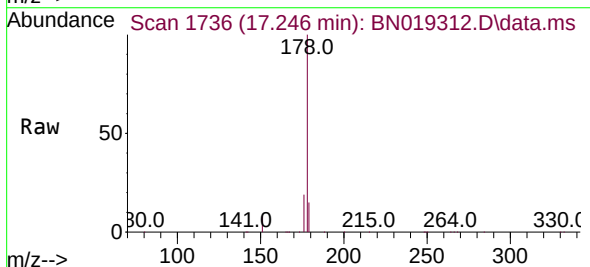
RT: 17.246 min Scan# 1736

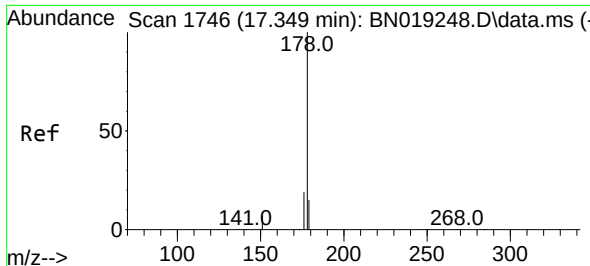
Delta R.T. -0.010 min

Lab File: BN019312.D

Acq: 02 Apr 2022 07:03

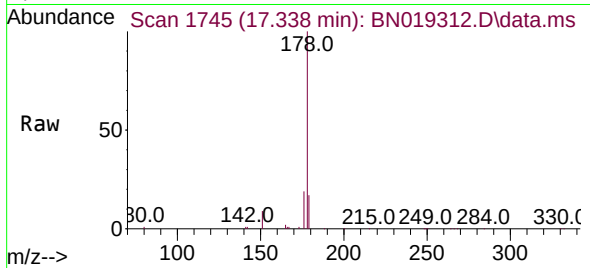
Tgt Ion:178	Resp:	239101
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.4 23.0
179	15.1	12.2 18.2



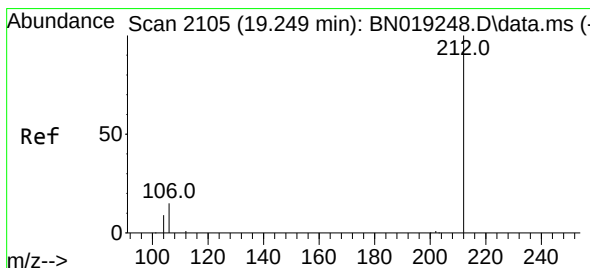
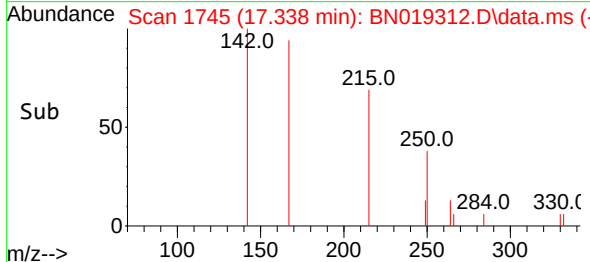
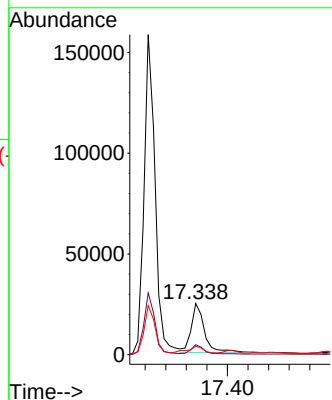


#26
 Anthracene
 Concen: 3.286 ng
 RT: 17.338 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: BN019312.D
 Acq: 02 Apr 2022 07:03

Instrument :
 BNA_N
 ClientSampleId :

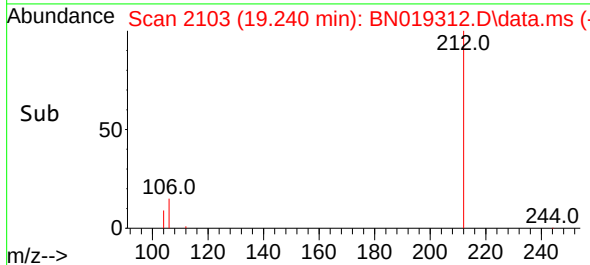
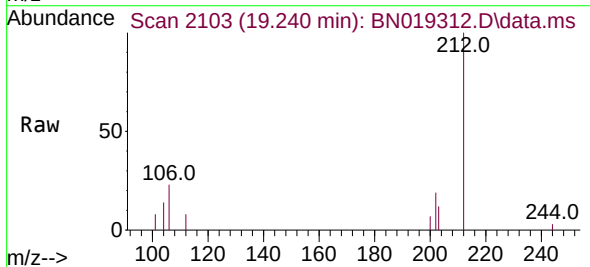
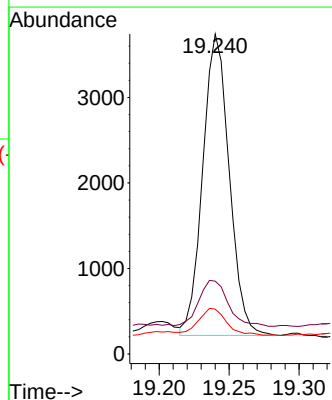


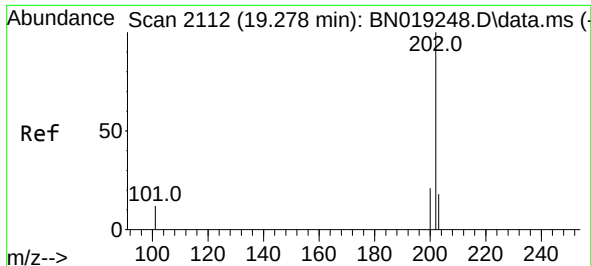
Tgt Ion:178 Resp: 44445
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.8 22.2
 179 15.5 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.298 ng
 RT: 19.240 min Scan# 2103
 Delta R.T. -0.008 min
 Lab File: BN019312.D
 Acq: 02 Apr 2022 07:03

Tgt Ion:212 Resp: 4645
 Ion Ratio Lower Upper
 212 100
 106 16.7 12.7 19.1
 104 10.0 7.1 10.7

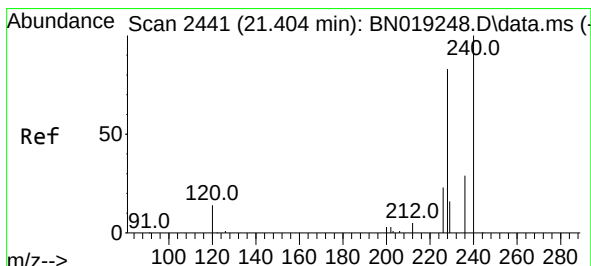
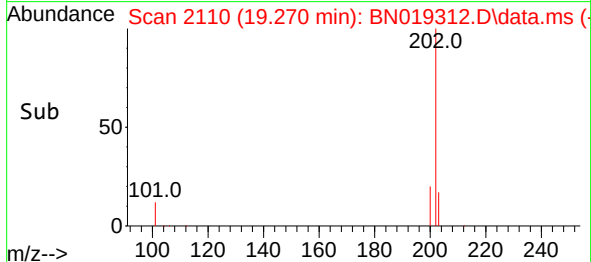
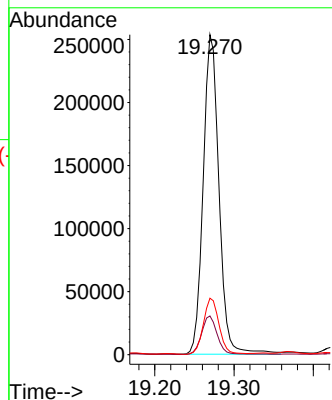
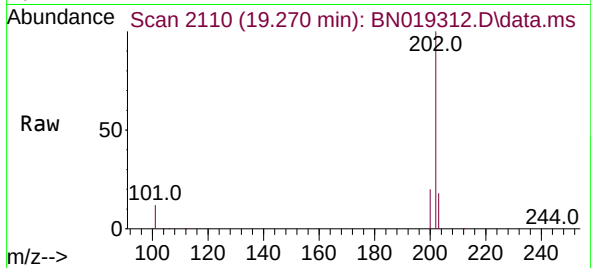




#28
Fluoranthene
Concen: 17.972 ng
RT: 19.270 min Scan# 2112
Delta R.T. -0.008 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

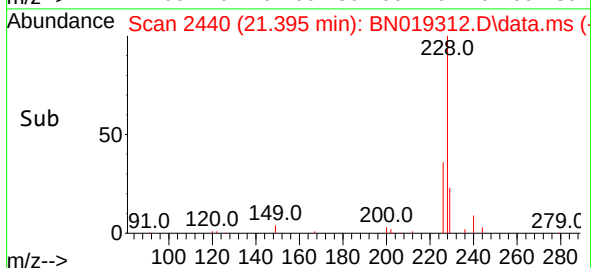
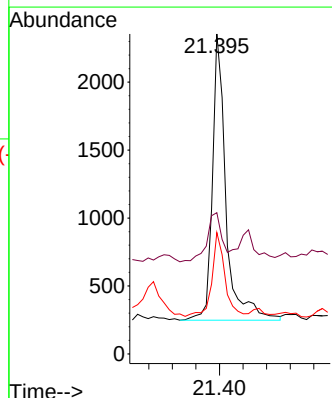
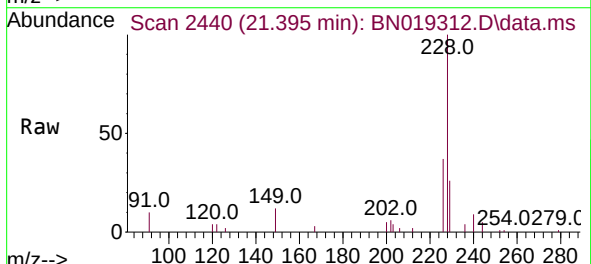
Instrument :
BNA_N
ClientSampleId :

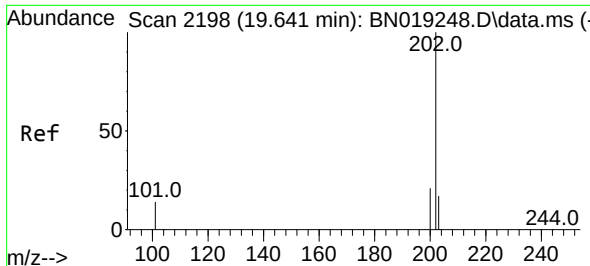
Tgt Ion:202 Resp: 350705
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.6
203 17.2 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.395 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion:240 Resp: 3374
Ion Ratio Lower Upper
240 100
120 44.2 8.5 12.7#
236 37.9 22.4 33.6#

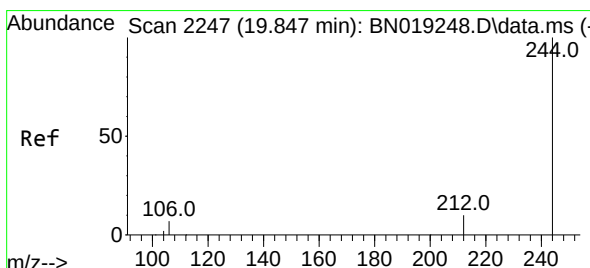
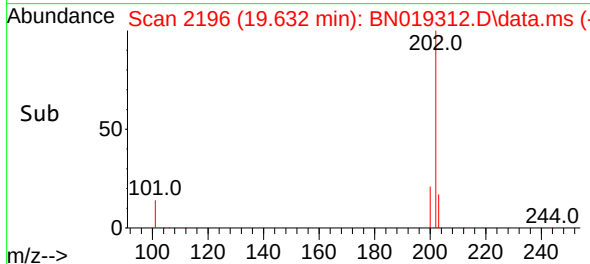
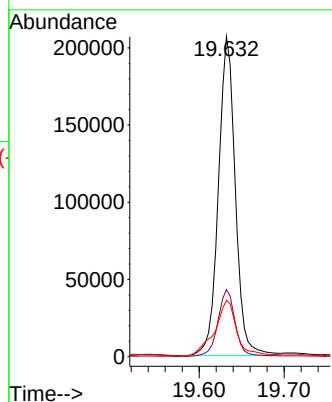
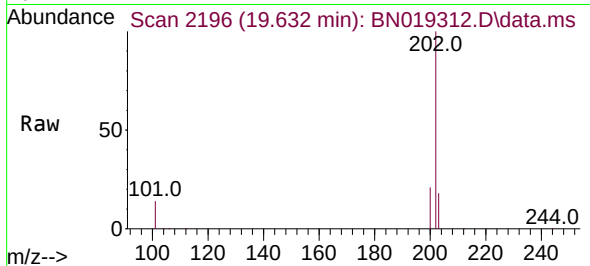




#30
Pyrene
Concen: 17.223 ng
RT: 19.632 min Scan# 2196
Delta R.T. -0.008 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

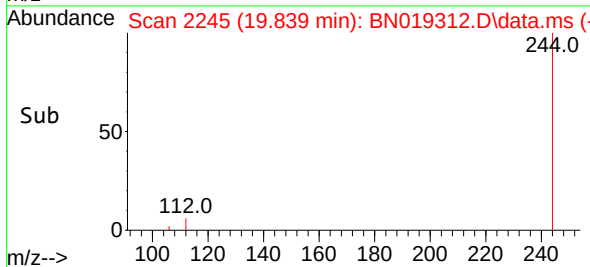
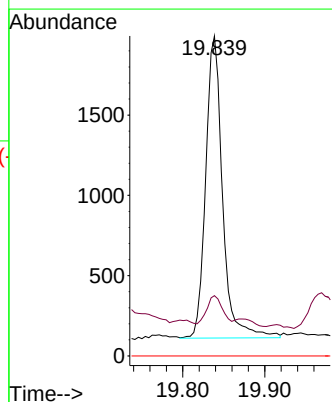
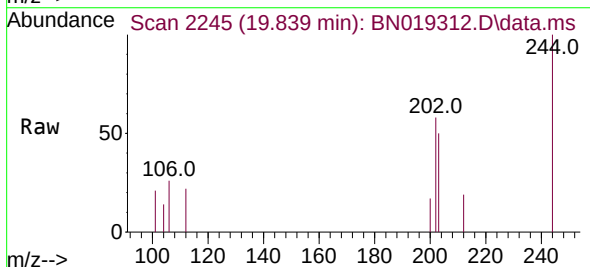
Instrument :
BNA_N
ClientSampleId :

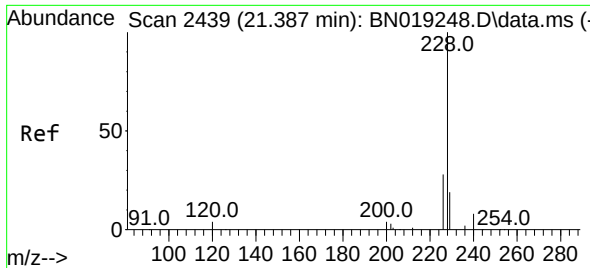
Tgt Ion:202 Resp: 287082
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 22.1 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.359 ng
RT: 19.839 min Scan# 2245
Delta R.T. -0.008 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

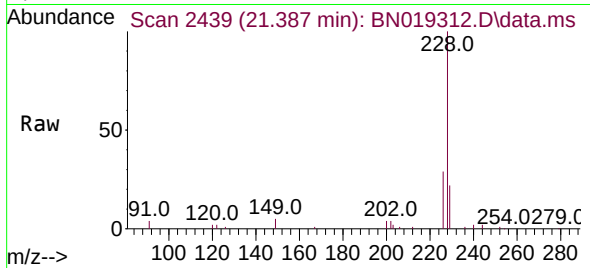
Tgt Ion:244 Resp: 2696
Ion Ratio Lower Upper
244 100
212 18.9 8.2 12.4#
122 0.0 0.0 0.0



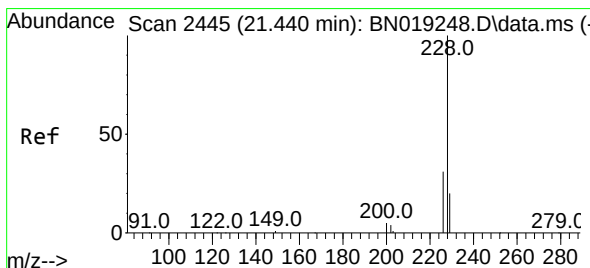
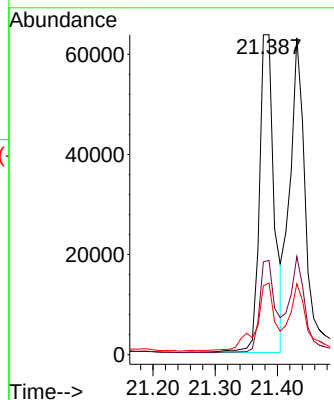


#32
Benzo(a)anthracene
Concen: 9.947 ng
RT: 21.387 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Instrument :
BNA_N
ClientSampleId :

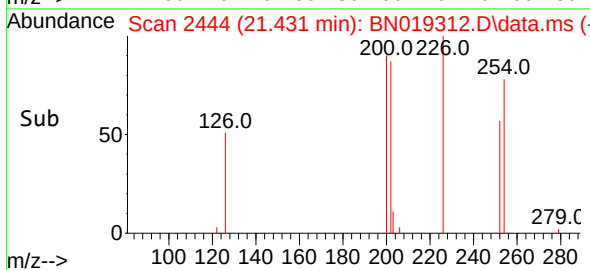
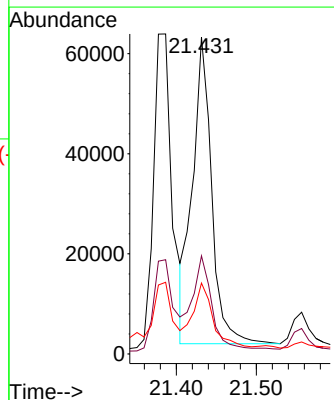
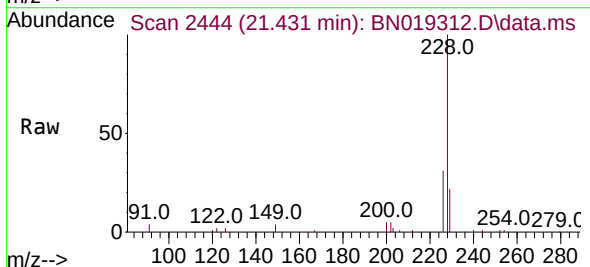


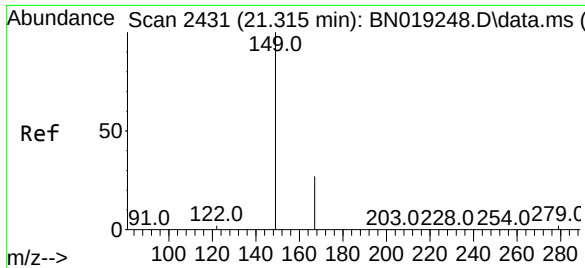
Tgt Ion:228 Resp: 105158
Ion Ratio Lower Upper
228 100
226 29.5 21.9 32.9
229 22.4 16.0 24.0



#33
Chrysene
Concen: 7.558 ng
RT: 21.431 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion:228 Resp: 102134
Ion Ratio Lower Upper
228 100
226 31.0 24.0 36.0
229 22.4 15.9 23.9

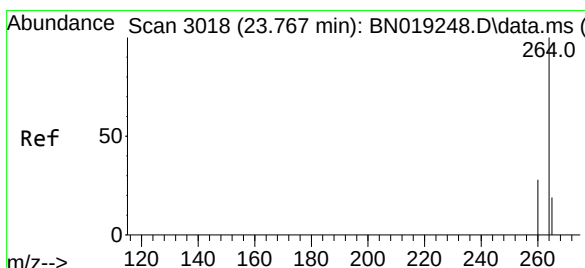
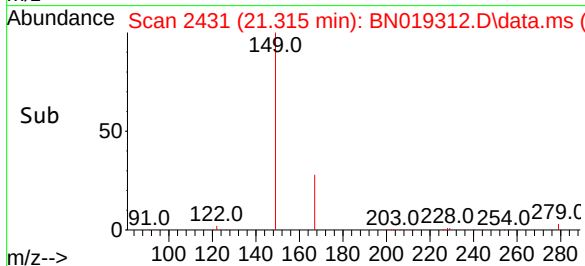
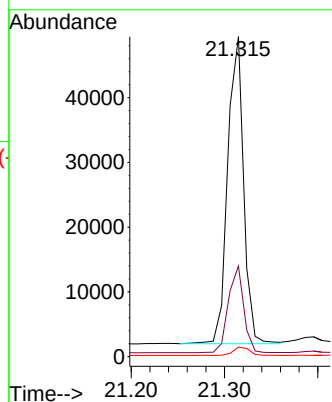
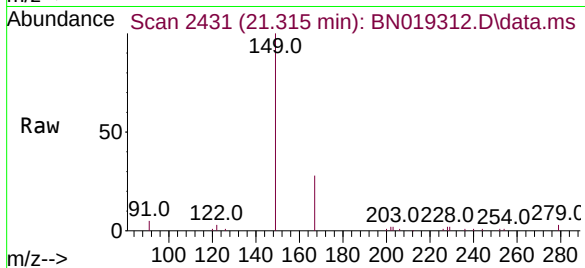




#34
Bis(2-ethylhexyl)phthalate
Concen: 7.947 ng
RT: 21.315 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

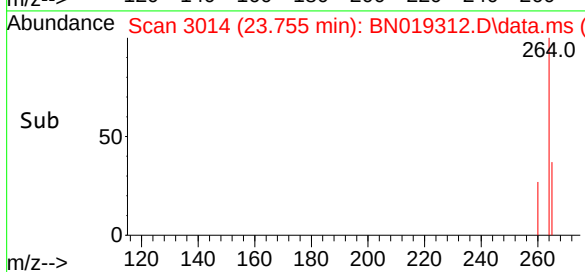
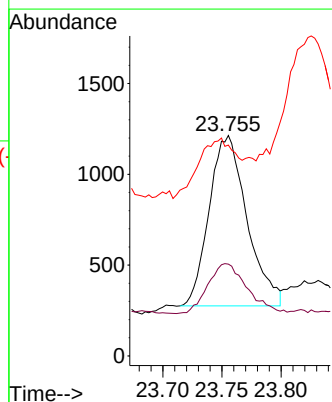
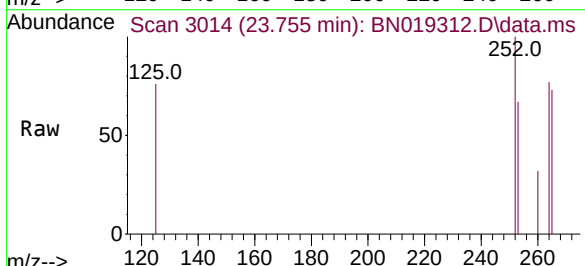
Instrument :
BNA_N
ClientSampleId :

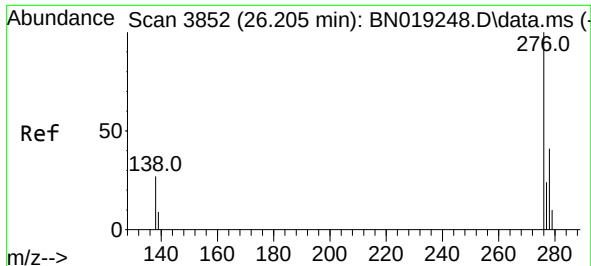
Tgt Ion:149 Resp: 56151
Ion Ratio Lower Upper
149 100
167 27.2 21.8 32.8
279 2.8 2.0 3.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.755 min Scan# 3014
Delta R.T. -0.012 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

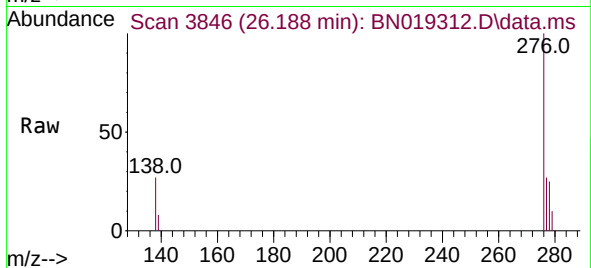
Tgt Ion:264 Resp: 2090
Ion Ratio Lower Upper
264 100
260 41.7 22.4 33.6#
265 95.6 25.3 37.9#



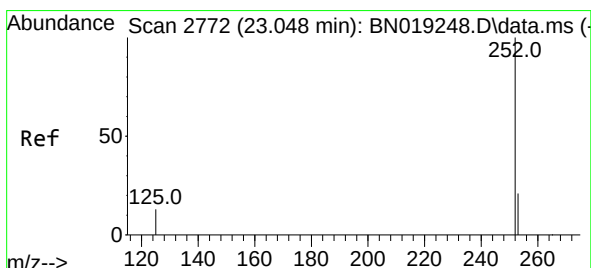
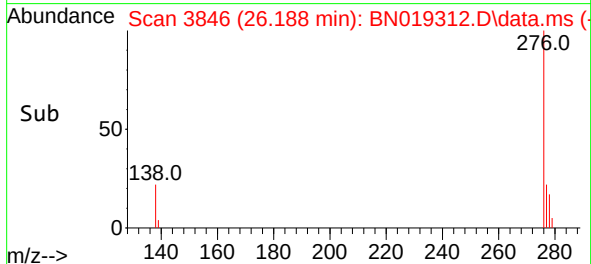
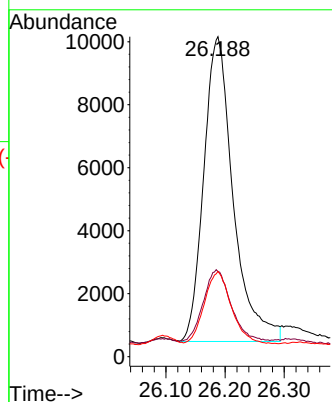


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.921 ng
RT: 26.188 min Scan# 31
Delta R.T. -0.018 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Instrument :
BNA_N
ClientSampleId :

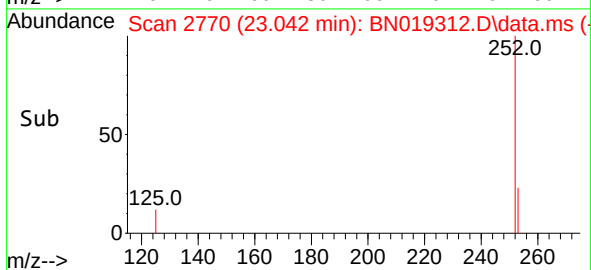
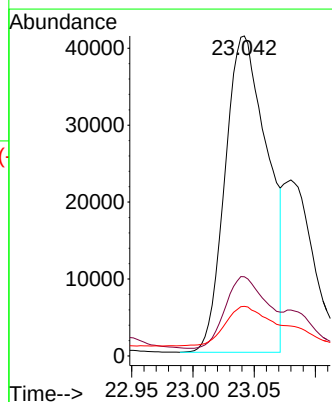
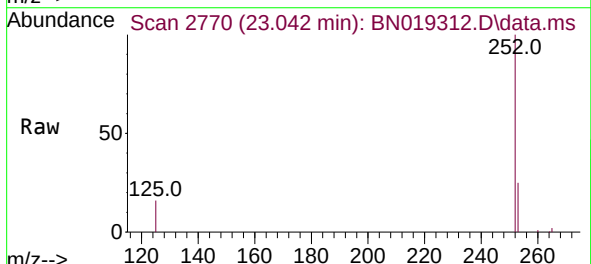


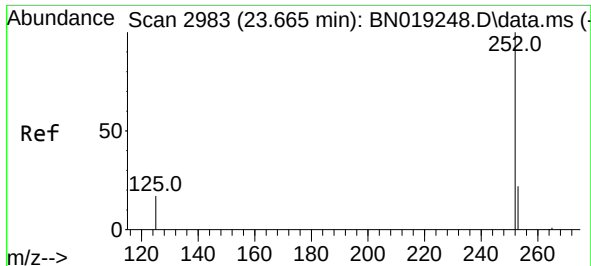
Tgt Ion:276 Resp: 33496
Ion Ratio Lower Upper
276 100
138 22.2 24.5 36.7#
277 21.2 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 12.737 ng
RT: 23.042 min Scan# 2770
Delta R.T. -0.006 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Tgt Ion:252 Resp: 98889
Ion Ratio Lower Upper
252 100
253 24.8 18.9 28.3
125 15.5 12.1 18.1





#39

Benzo(a)pyrene

Concen: 8.157 ng

RT: 23.647 min Scan# 2983

Delta R.T. -0.018 min

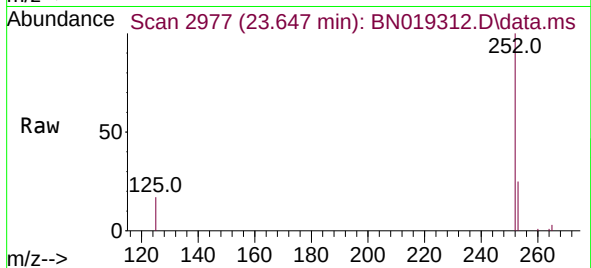
Lab File: BN019312.D

Acq: 02 Apr 2022 07:03

Instrument :

BN019312.D

ClientSampleId :



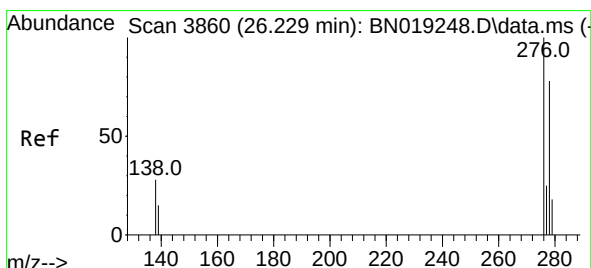
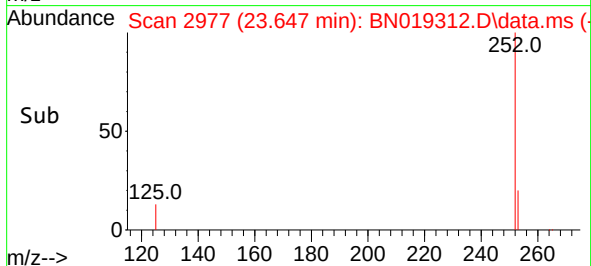
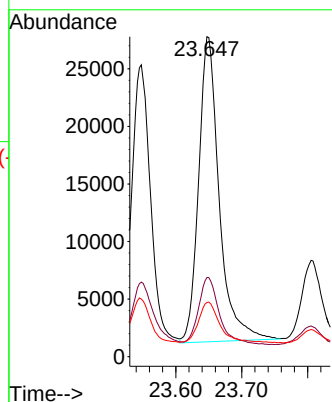
Tgt Ion:252 Resp: 57539

Ion Ratio Lower Upper

252 100

253 24.8 20.1 30.1

125 17.0 15.2 22.8



#40

Dibenzo(a,h)anthracene

Concen: 1.242 ng

RT: 26.194 min Scan# 3848

Delta R.T. -0.035 min

Lab File: BN019312.D

Acq: 02 Apr 2022 07:03

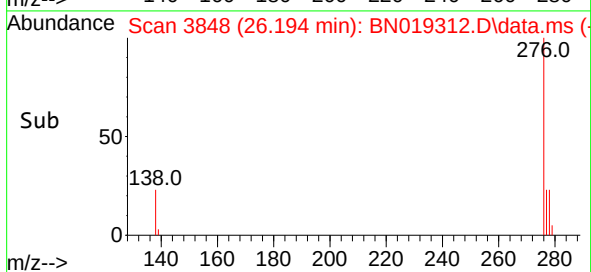
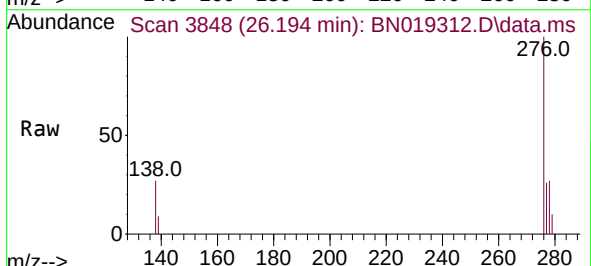
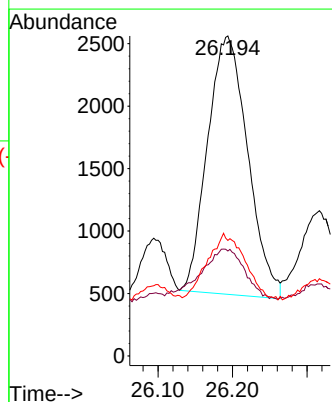
Tgt Ion:278 Resp: 7743

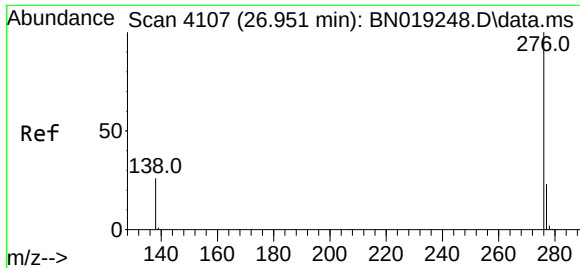
Ion Ratio Lower Upper

278 100

139 32.8 17.2 25.8#

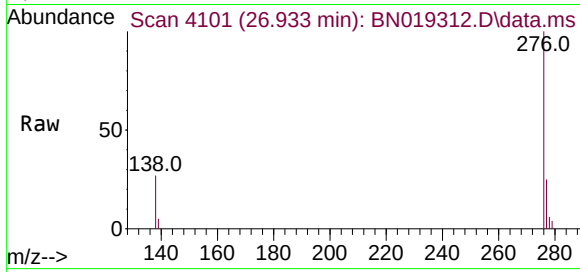
279 36.1 19.9 29.9#





#41
Benzo(g,h,i)perylene
Concen: 4.247 ng
RT: 26.933 min Scan# 41
Delta R.T. -0.018 min
Lab File: BN019312.D
Acq: 02 Apr 2022 07:03

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:276 Resp: 37006
Ion Ratio Lower Upper
276 100
277 25.5 19.4 29.0
138 26.6 21.0 31.6

