

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033122\
 Data File : BN019311.D
 Acq On : 02 Apr 2022 06:28
 Operator : CG/JU
 Sample : N2220-12 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 04 06:03:02 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)

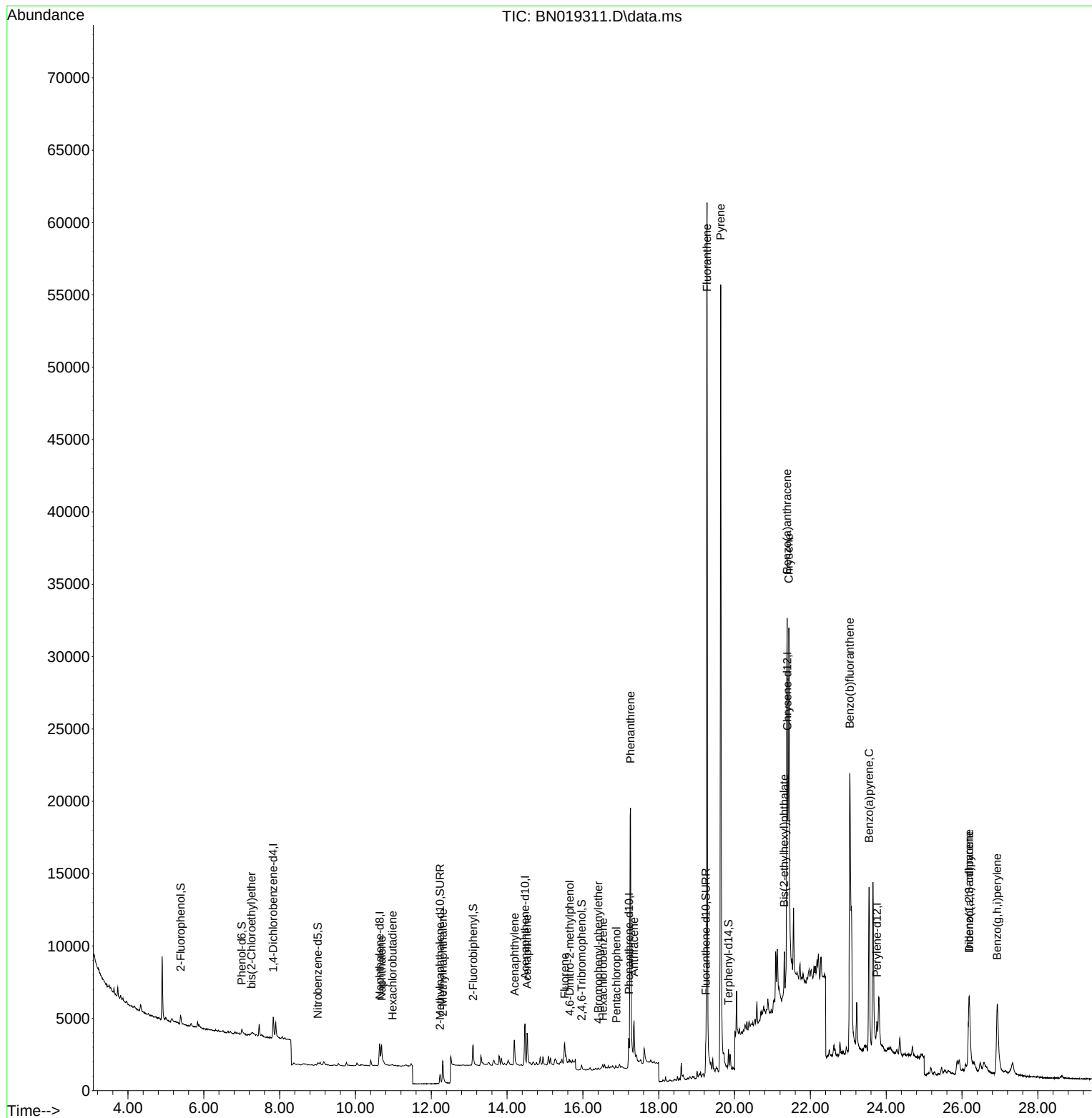
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	903	0.400	ng	# 0.00
7) Naphthalene-d8	10.637	136	2777	0.400	ng	# 0.00
13) Acenaphthene-d10	14.474	164	1904	0.400	ng	0.00
19) Phenanthrene-d10	17.215	188	3727	0.400	ng	0.00
29) Chrysene-d12	21.395	240	3508	0.400	ng	# 0.00
35) Perylene-d12	23.755	264	2479	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	576	0.292	ng	0.00
5) Phenol-d6	7.002	99	476	0.227	ng	0.00
8) Nitrobenzene-d5	9.003	82	357	0.179	ng	0.01
11) 2-Methylnaphthalene-d10	12.231	152	1259	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	186	0.209	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	1724	0.226	ng	0.00
27) Fluoranthene-d10	19.244	212	2730	0.244	ng	0.00
31) Terphenyl-d14	19.839	244	1605	0.206	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.255	93	83	0.033	ng	# 74
9) Naphthalene	10.690	128	2394	0.297	ng	# 88
10) Hexachlorobutadiene	10.979	225	49	0.026	ng	# 91
12) 2-Methylnaphthalene	12.306	142	1598	0.308	ng	# 93
16) Acenaphthylene	14.196	152	2601	0.297	ng	97
17) Acenaphthene	14.527	154	1280	0.205	ng	96
18) Fluorene	15.521	166	1041	0.133	ng	# 94
20) 4,6-Dinitro-2-methylph...	15.650	198	7	0.101	ng	# 1
21) 4-Bromophenyl-phenylether	16.405	248	50	0.021	ng	# 41
22) Hexachlorobenzene	16.528	284	73	0.023	ng	# 92
24) Pentachlorophenol	16.887	266	40	0.045	ng	# 55
25) Phenanthrene	17.256	178	24632	2.099	ng	100
26) Anthracene	17.349	178	5160	0.532	ng	# 95
28) Fluoranthene	19.274	202	60706	4.337	ng	99
30) Pyrene	19.632	202	52821	3.048	ng	# 94
32) Benzo(a)anthracene	21.386	228	25334	2.305	ng	95
33) Chrysene	21.431	228	28109	2.001	ng	96
34) Bis(2-ethylhexyl)phtha...	21.315	149	3053	0.416	ng	94
36) Indeno(1,2,3-cd)pyrene	26.188	276	11829	1.168	ng	# 86
37) Benzo(b)fluoranthene	23.042	252	33871	3.678	ng	# 90
39) Benzo(a)pyrene	23.548	252	17576	2.101	ng	94
40) Dibenzo(a,h)anthracene	26.191	278	2357	0.319	ng	# 49
41) Benzo(g,h,i)perylene	26.927	276	12927	1.251	ng	95

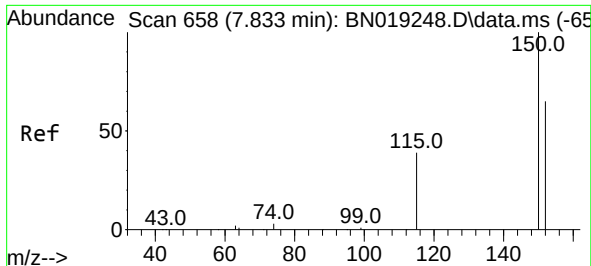
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

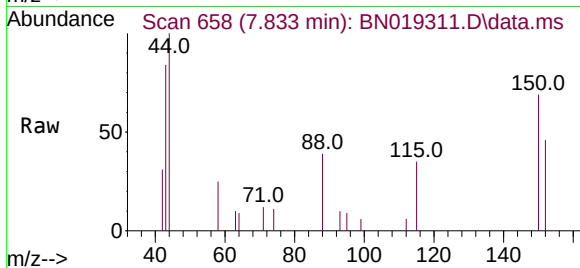
Quant Time: Apr 04 06:03:02 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN033122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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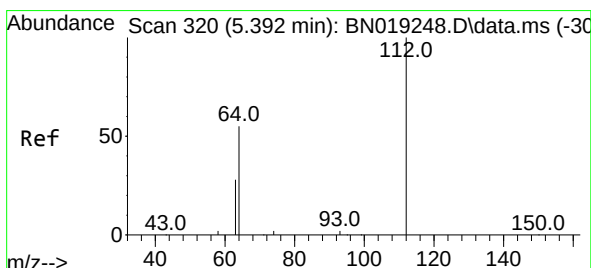
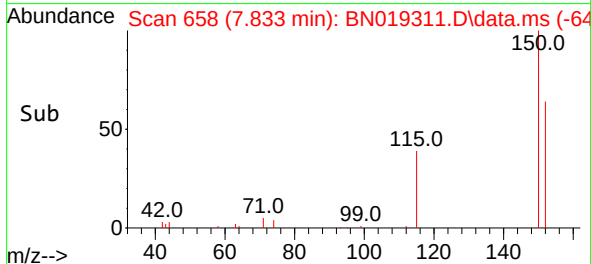
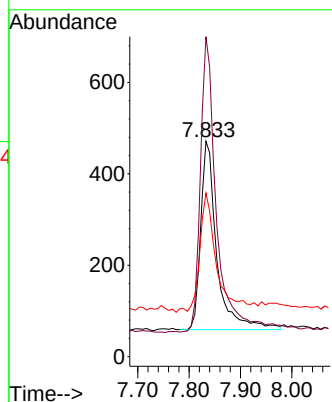


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.833 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN019311.D
 Acq: 02 Apr 2022 06:28

Instrument :
 BNA_N
 ClientSampleId :

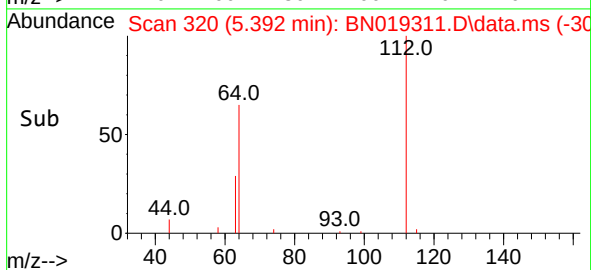
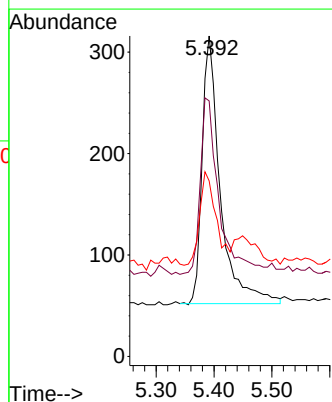
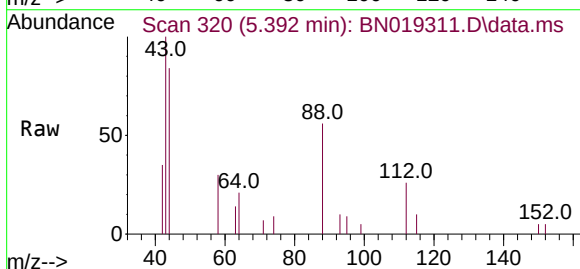


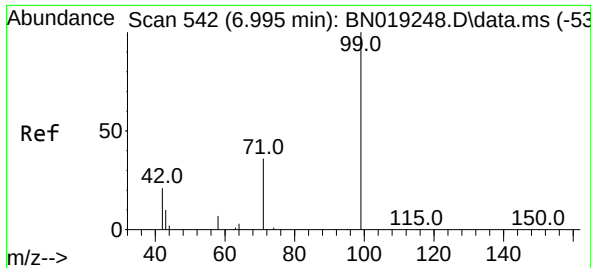
Tgt Ion:152 Resp: 903
 Ion Ratio Lower Upper
 152 100
 150 148.6 123.9 185.9
 115 76.0 48.2 72.4#



#4
 2-Fluorophenol
 Concen: 0.292 ng
 RT: 5.392 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: BN019311.D
 Acq: 02 Apr 2022 06:28

Tgt Ion:112 Resp: 576
 Ion Ratio Lower Upper
 112 100
 64 67.7 47.8 71.8
 63 31.6 25.7 38.5

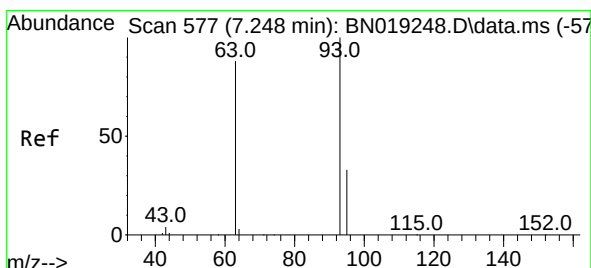
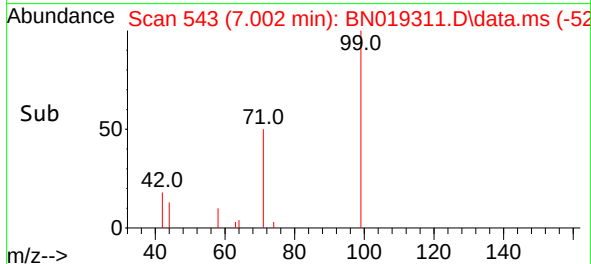
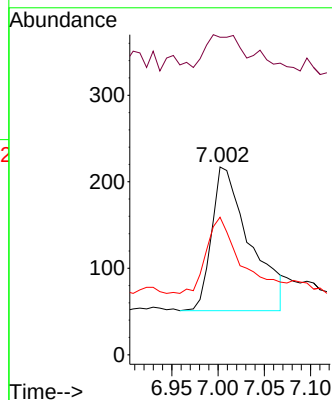
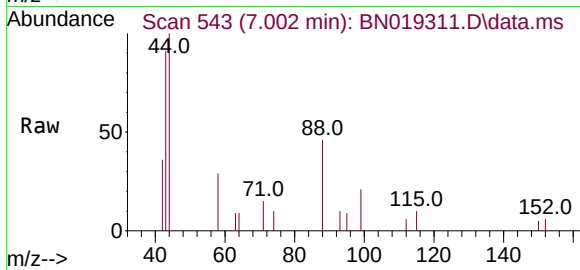




#5
Phenol-d6
Concen: 0.227 ng
RT: 7.002 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

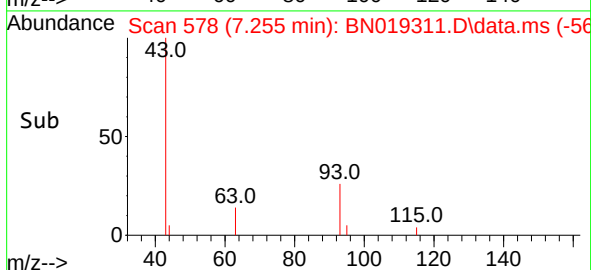
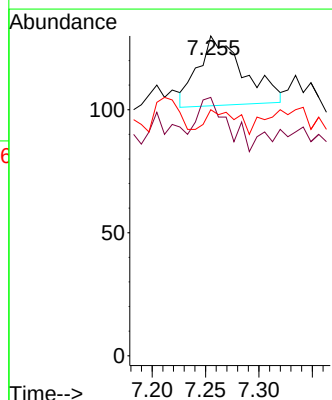
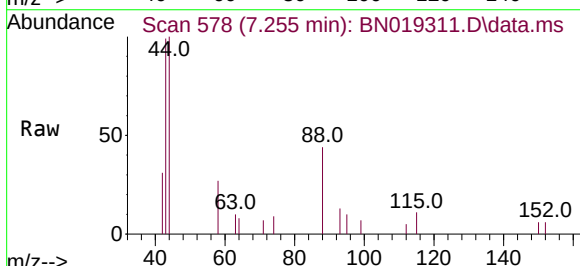
Instrument :
BNA_N
ClientSampleId :

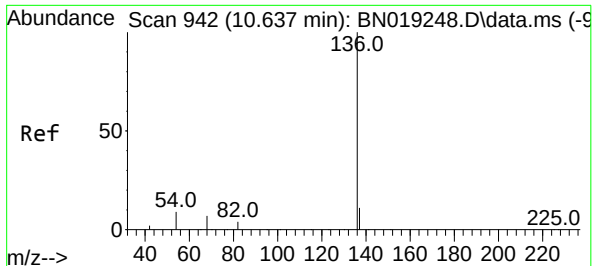
Tgt Ion: 99 Resp: 476
Ion Ratio Lower Upper
99 100
42 25.0 16.2 24.4#
71 47.3 27.7 41.5#



#6
bis(2-Chloroethyl)ether
Concen: 0.033 ng
RT: 7.255 min Scan# 578
Delta R.T. 0.007 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

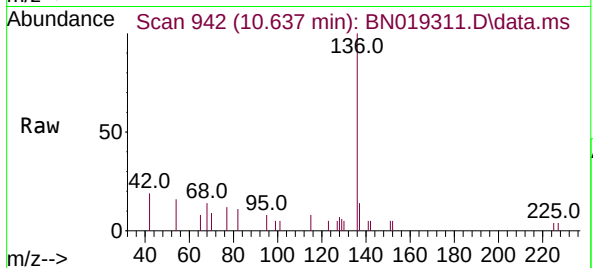
Tgt Ion: 93 Resp: 83
Ion Ratio Lower Upper
93 100
63 51.8 62.8 94.2#
95 24.1 26.2 39.4#



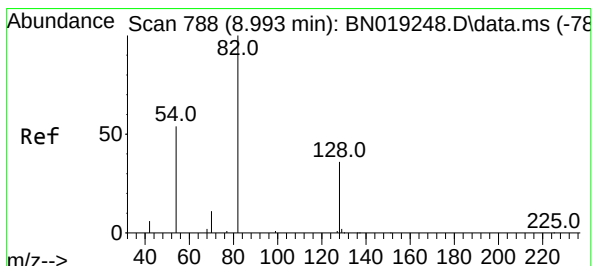
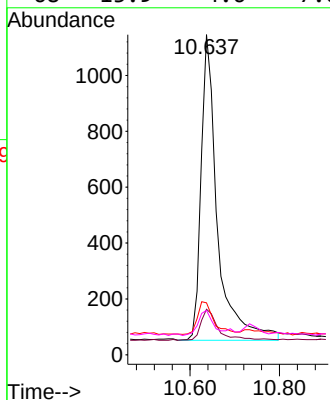
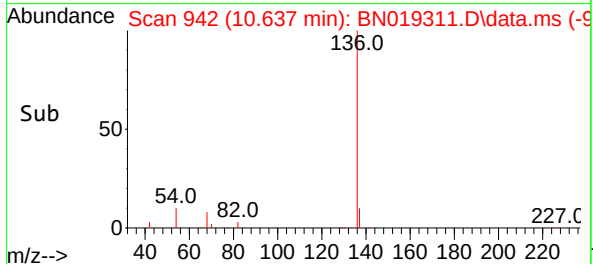


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Instrument :
BNA_N
ClientSampleId :

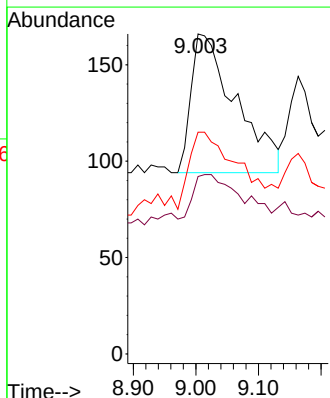
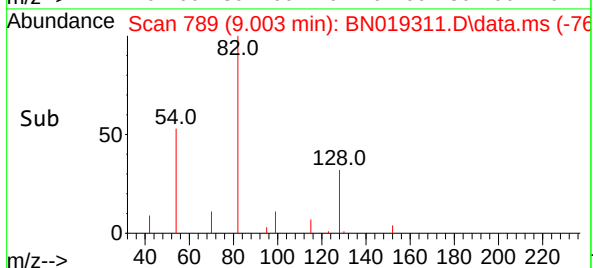
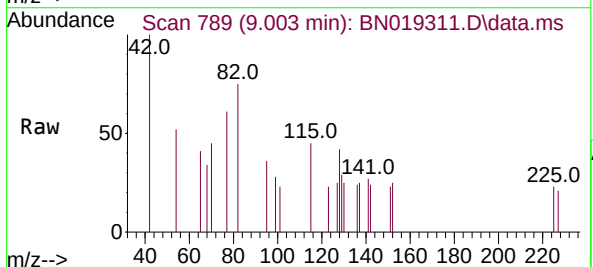


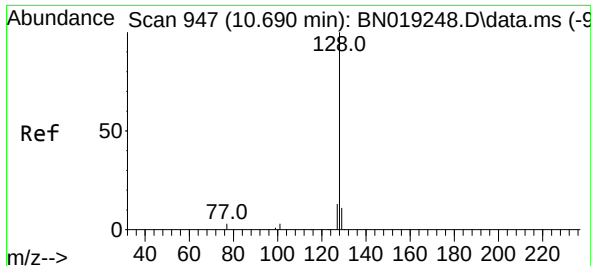
Tgt Ion:	136	Resp:	2777
Ion	Ratio	Lower	Upper
136	100		
137	14.2	9.0	13.4#
54	16.2	5.8	8.6#
68	13.9	4.6	7.0#



#8
Nitrobenzene-d5
Concen: 0.179 ng
RT: 9.003 min Scan# 789
Delta R.T. 0.011 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

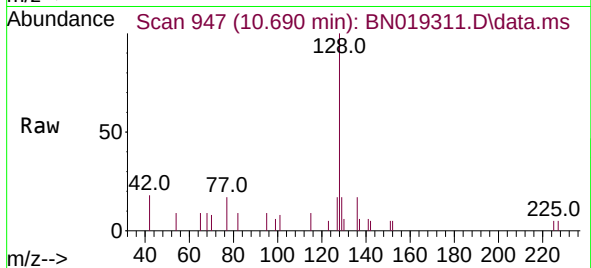
Tgt Ion:	82	Resp:	357
Ion	Ratio	Lower	Upper
82	100		
128	55.4	33.0	49.6#
54	69.3	42.5	63.7#



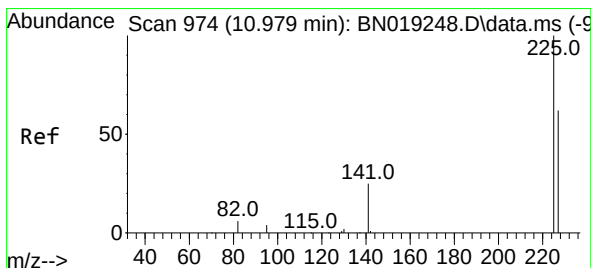
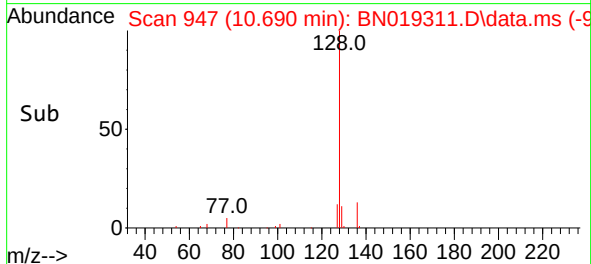
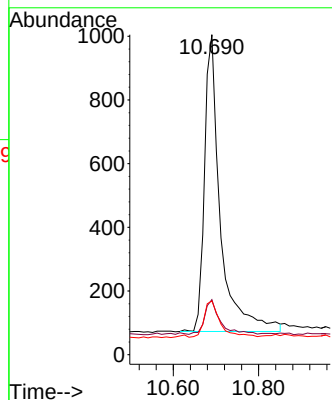


#9
Naphthalene
Concen: 0.297 ng
RT: 10.690 min Scan# 947
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Instrument :
BNA_N
ClientSampleId :

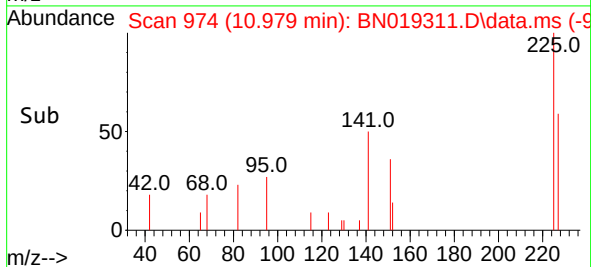
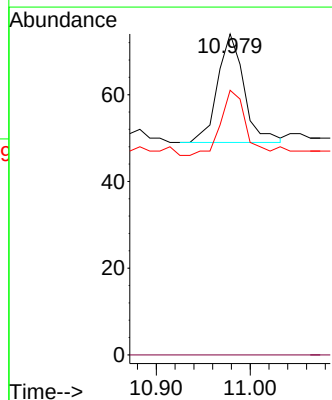
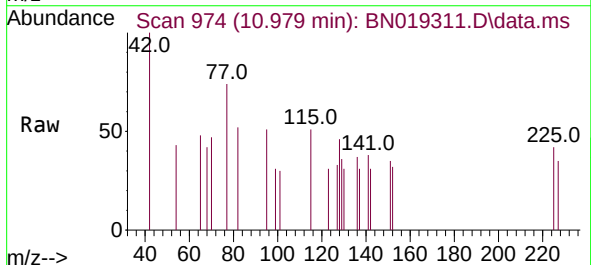


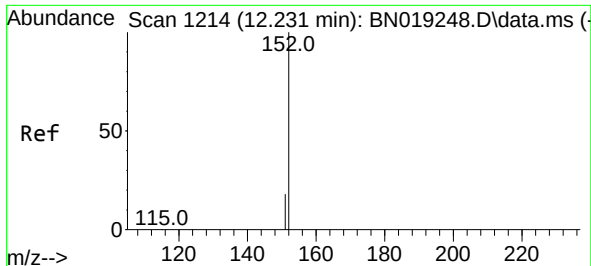
Tgt Ion:128 Resp: 2394
Ion Ratio Lower Upper
128 100
129 17.2 9.0 13.4#
127 16.8 10.7 16.1#



#10
Hexachlorobutadiene
Concen: 0.026 ng
RT: 10.979 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Tgt Ion:225 Resp: 49
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 57.1 51.0 76.6

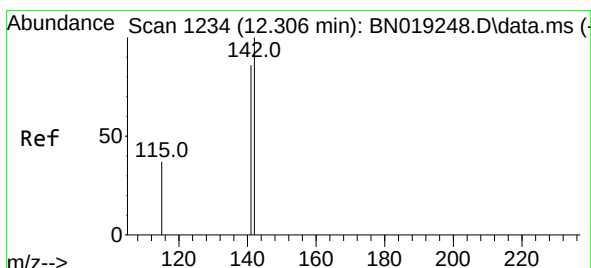
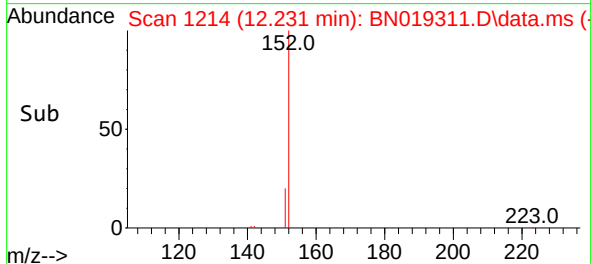
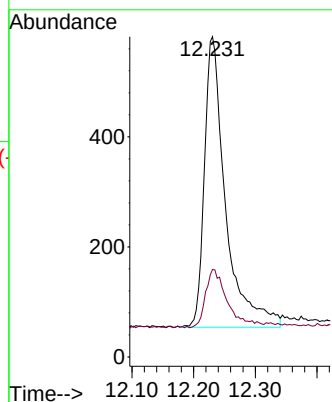
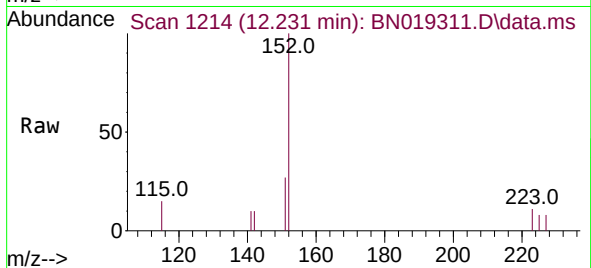




#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 12.231 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

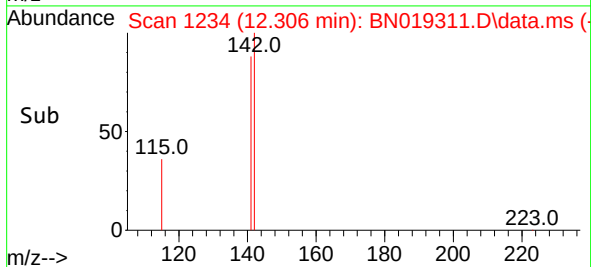
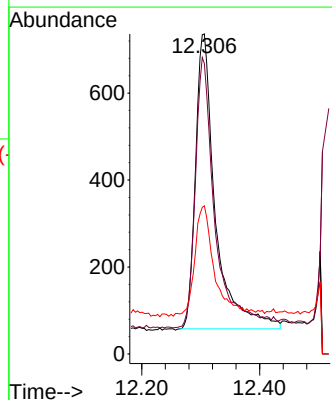
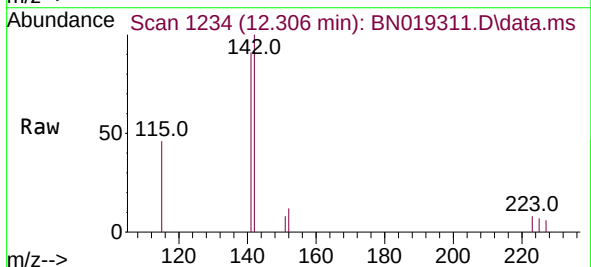
Instrument :
BNA_N
ClientSampleId :

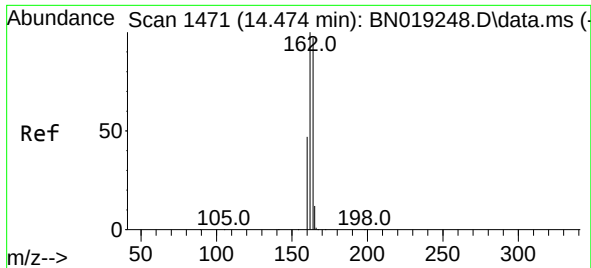
Tgt Ion:152 Resp: 1259
Ion Ratio Lower Upper
152 100
151 21.0 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.308 ng
RT: 12.306 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

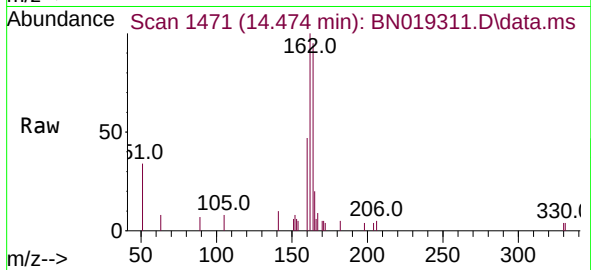
Tgt Ion:142 Resp: 1598
Ion Ratio Lower Upper
142 100
141 90.8 70.0 105.0
115 46.3 29.8 44.8#



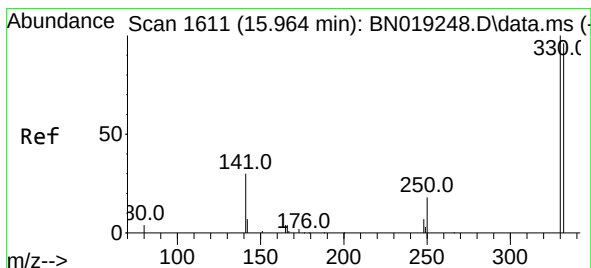
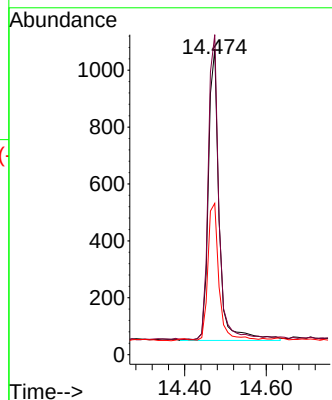
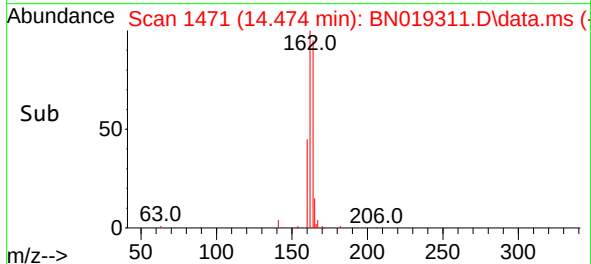


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

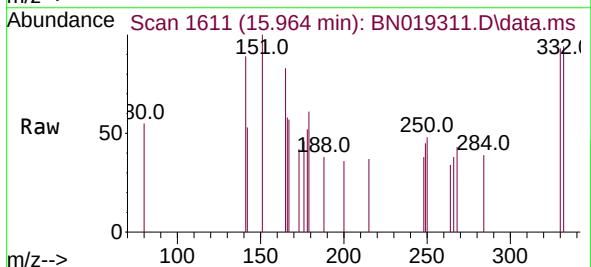
Instrument :
BNA_N
ClientSampleId :



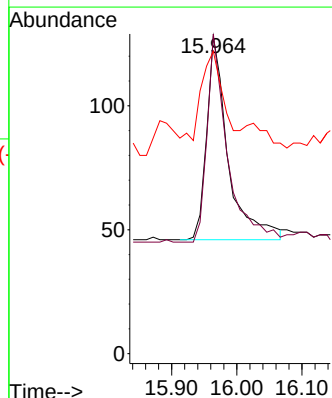
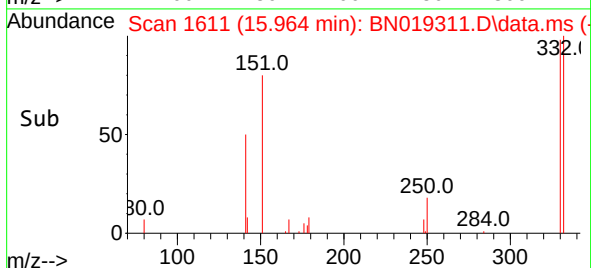
Tgt Ion:164 Resp: 1904
Ion Ratio Lower Upper
164 100
162 104.8 85.2 127.8
160 49.6 41.5 62.3

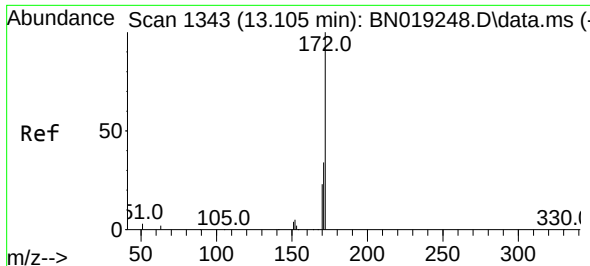


#14
2,4,6-Tribromophenol
Concen: 0.209 ng
RT: 15.964 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28



Tgt Ion:330 Resp: 186
Ion Ratio Lower Upper
330 100
332 98.9 76.8 115.2
141 40.3 32.2 48.2

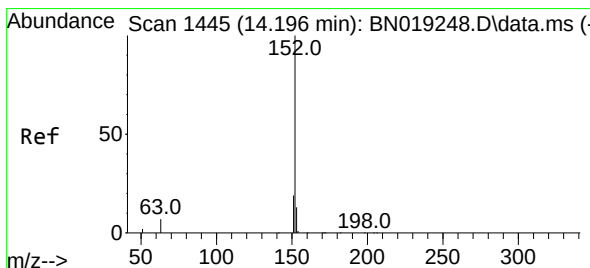
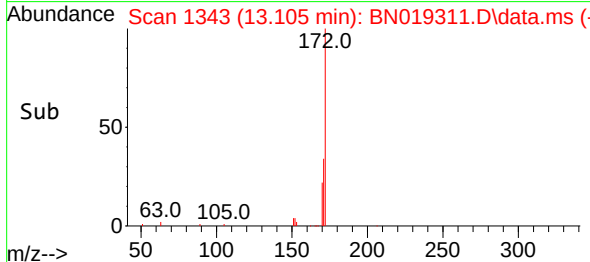
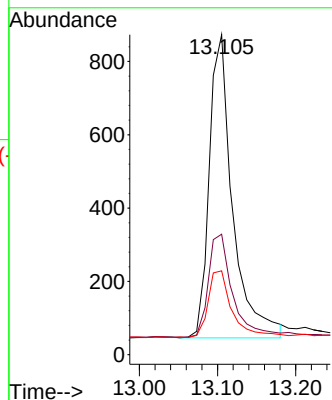
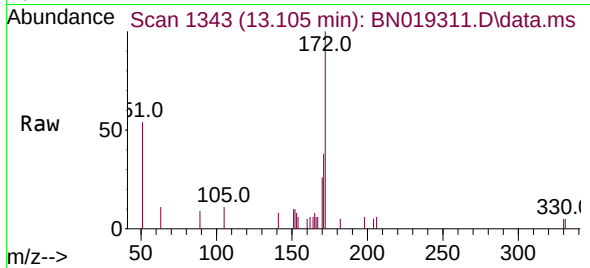




#15
2-Fluorobiphenyl
Concen: 0.226 ng
RT: 13.105 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

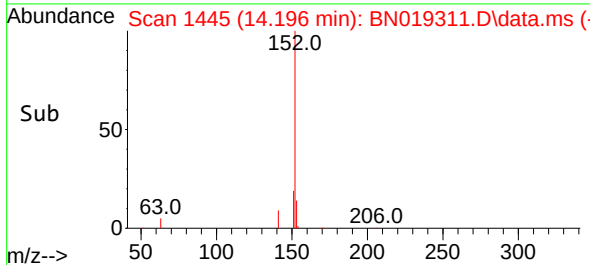
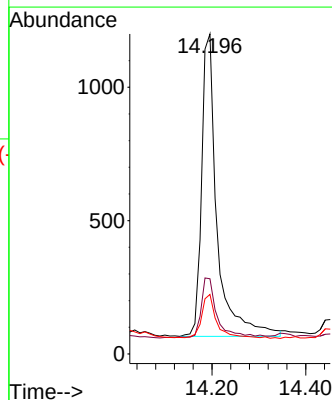
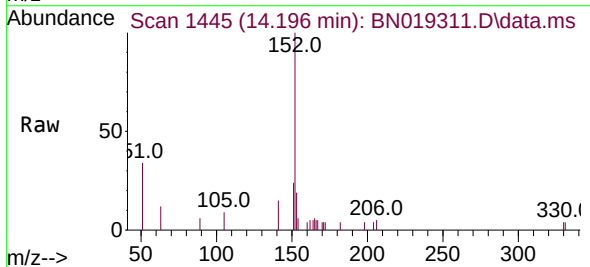
Instrument :
BNA_N
ClientSampleId :

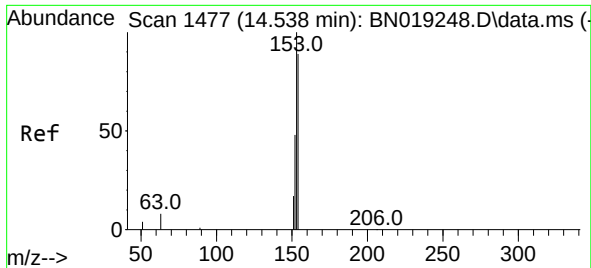
Tgt Ion:172 Resp: 1724
Ion Ratio Lower Upper
172 100
171 37.7 28.2 42.2
170 26.2 18.7 28.1



#16
Acenaphthylene
Concen: 0.297 ng
RT: 14.196 min Scan# 1445
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Tgt Ion:152 Resp: 2601
Ion Ratio Lower Upper
152 100
151 20.8 15.9 23.9
153 14.7 10.6 15.8

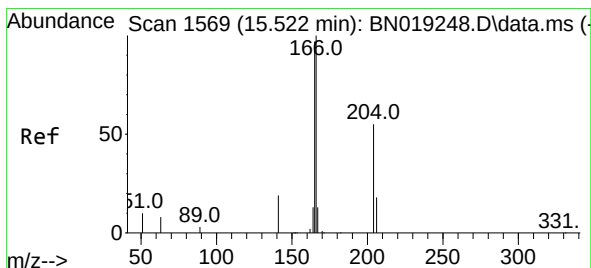
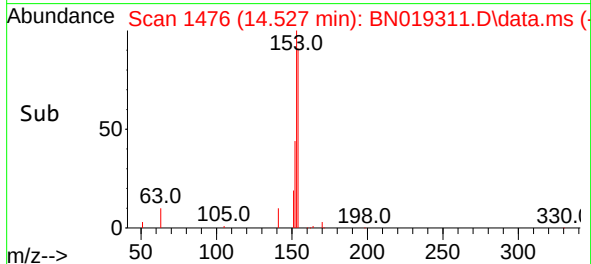
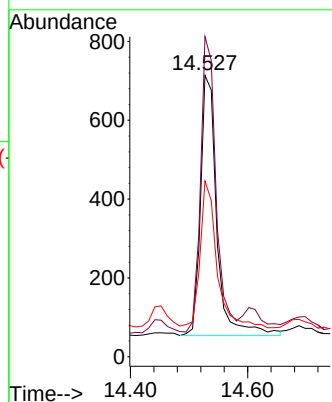
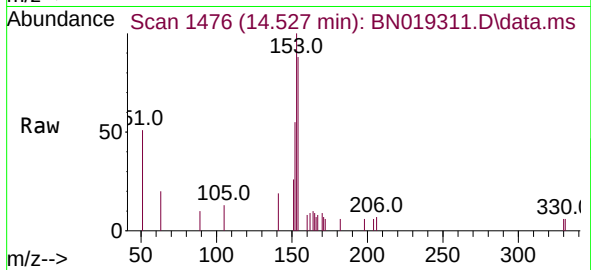




#17
Acenaphthene
Concen: 0.205 ng
RT: 14.527 min Scan# 1476
Delta R.T. -0.011 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

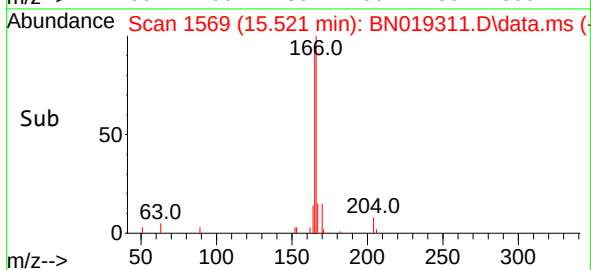
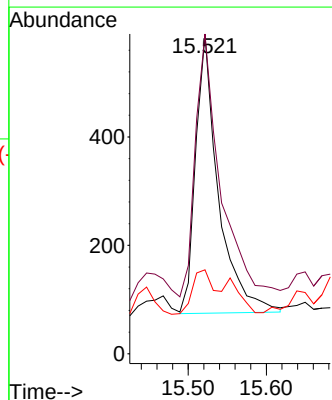
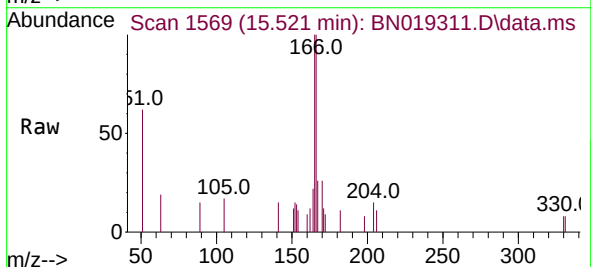
Instrument :
BNA_N
ClientSampleId :

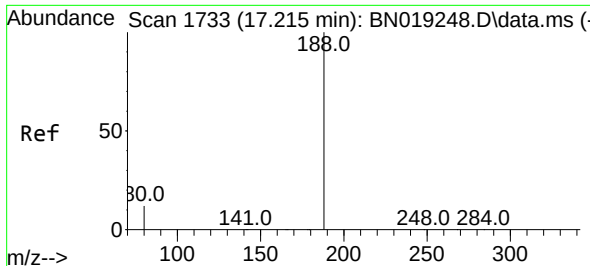
Tgt Ion:154 Resp: 1280
Ion Ratio Lower Upper
154 100
153 106.8 89.7 134.5
152 57.4 44.7 67.1



#18
Fluorene
Concen: 0.133 ng
RT: 15.521 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Tgt Ion:166 Resp: 1041
Ion Ratio Lower Upper
166 100
165 104.3 79.2 118.8
167 16.3 10.7 16.1#

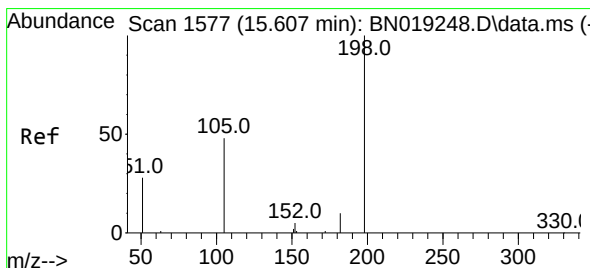
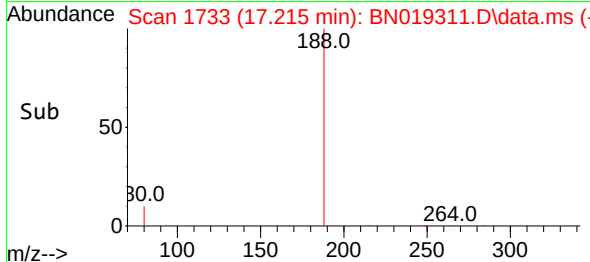
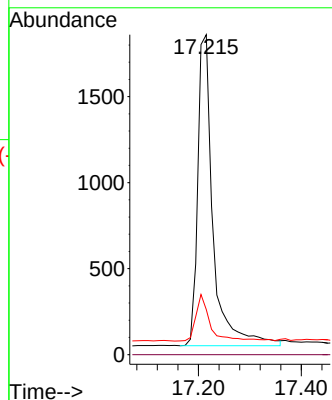
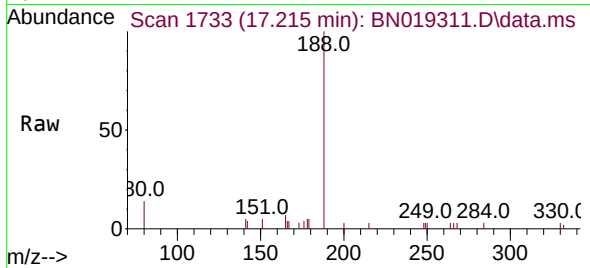




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

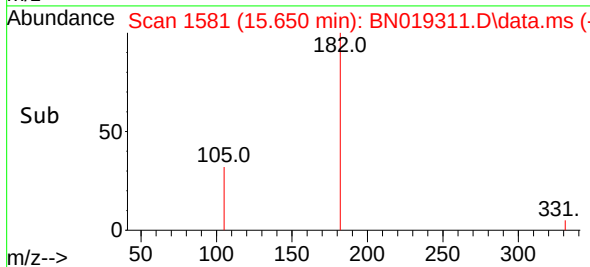
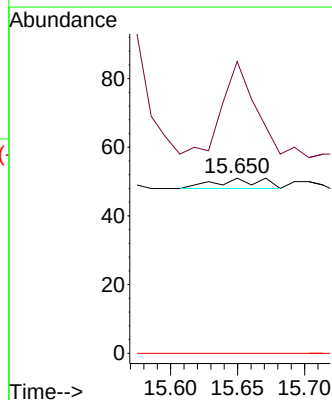
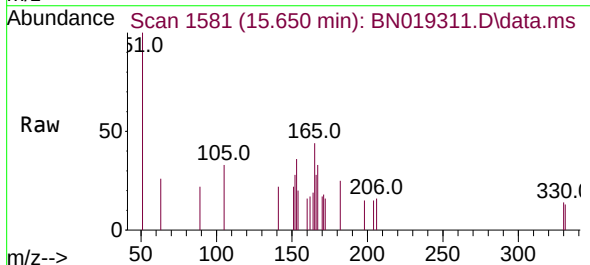
Instrument :
BNA_N
ClientSampleId :

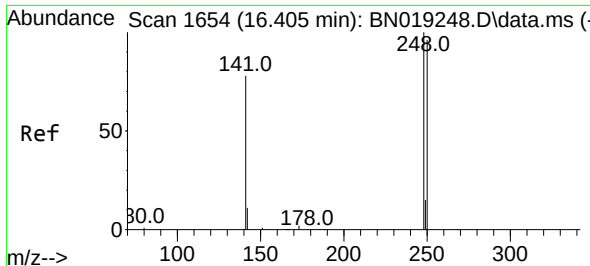
Tgt Ion:188 Resp: 3727
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.1 11.8 17.8



#20
4,6-Dinitro-2-methylphenol
Concen: 0.101 ng
RT: 15.650 min Scan# 1581
Delta R.T. 0.043 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Tgt Ion:198 Resp: 7
Ion Ratio Lower Upper
198 100
182 166.7 13.0 19.4#
77 0.0 0.0 0.0

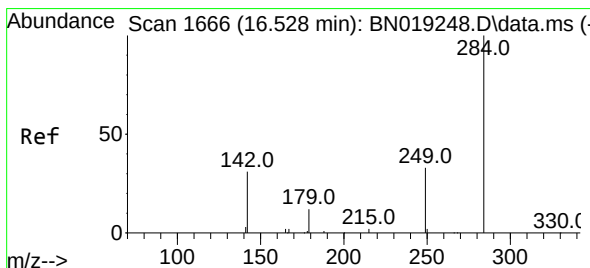
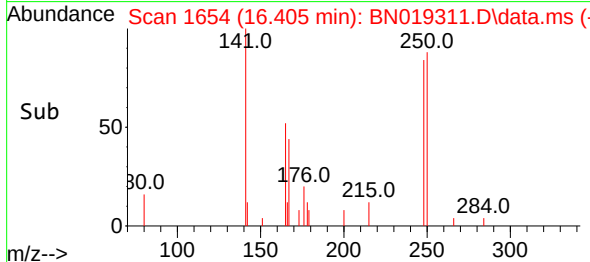
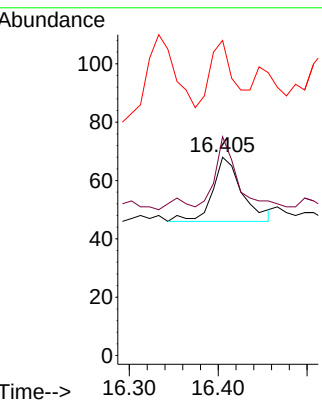
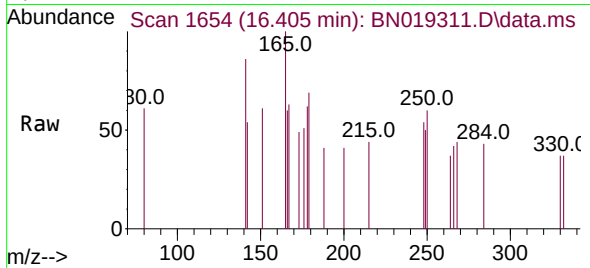




#21
4-Bromophenyl-phenylether
Concen: 0.021 ng
RT: 16.405 min Scan# 1654
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

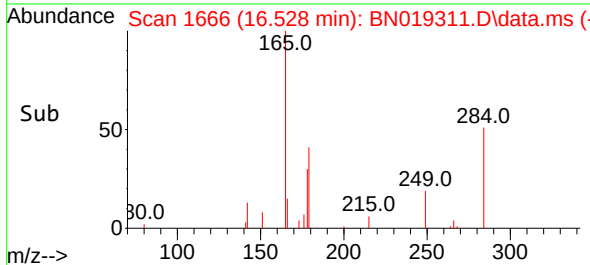
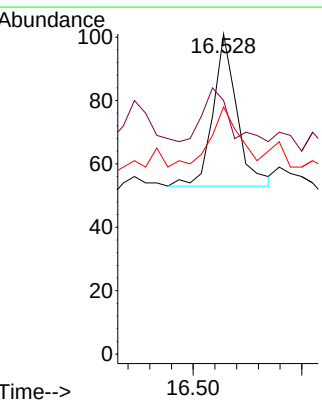
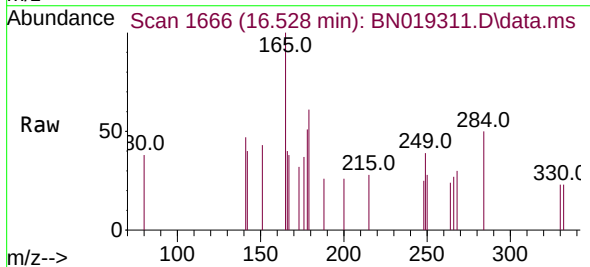
Instrument :
BNA_N
ClientSampleId :

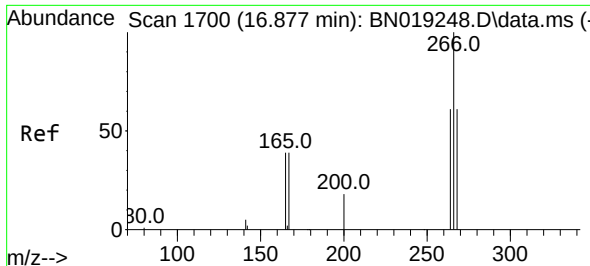
Tgt Ion:248 Resp: 50
Ion Ratio Lower Upper
248 100
250 110.3 80.7 121.1
141 158.8 39.6 59.4#



#22
Hexachlorobenzene
Concen: 0.023 ng
RT: 16.528 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Tgt Ion:284 Resp: 73
Ion Ratio Lower Upper
284 100
142 38.4 29.8 44.8
249 41.1 26.2 39.2#

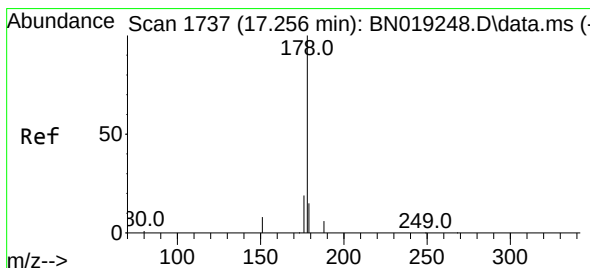
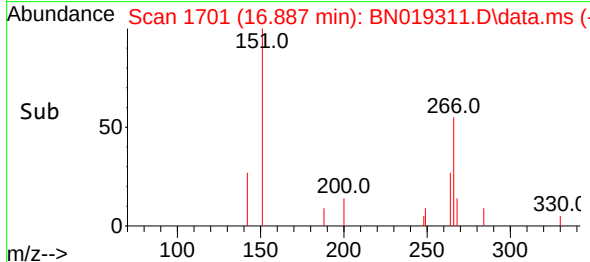
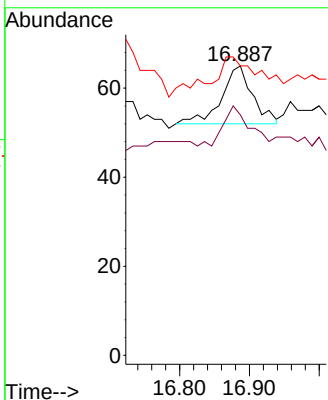
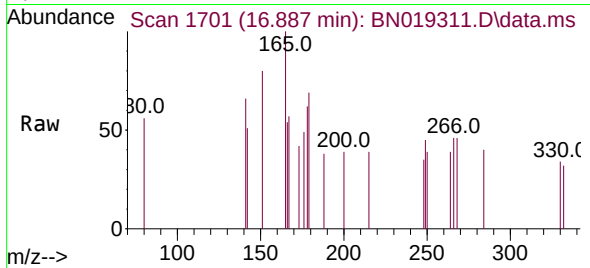




#24
 Pentachlorophenol
 Concen: 0.045 ng
 RT: 16.887 min Scan# 1701
 Delta R.T. 0.010 min
 Lab File: BN019311.D
 Acq: 02 Apr 2022 06:28

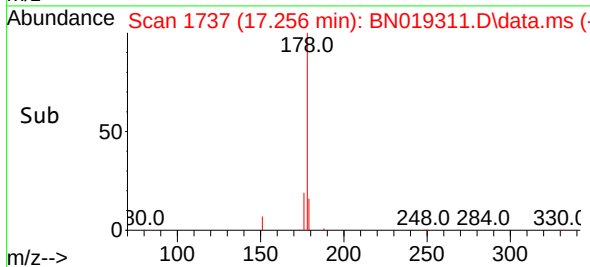
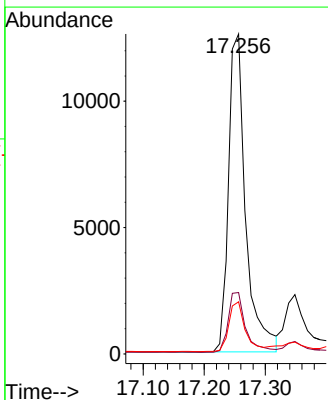
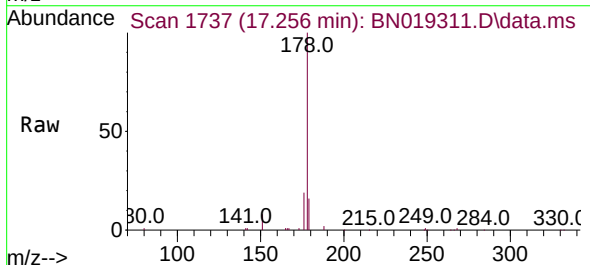
Instrument :
 BNA_N
 ClientSampleId :

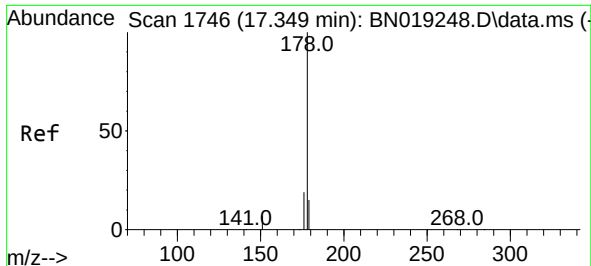
Tgt Ion:266 Resp: 40
 Ion Ratio Lower Upper
 266 100
 264 57.5 50.2 75.4
 268 0.0 51.9 77.9#



#25
 Phenanthrene
 Concen: 2.099 ng
 RT: 17.256 min Scan# 1737
 Delta R.T. -0.000 min
 Lab File: BN019311.D
 Acq: 02 Apr 2022 06:28

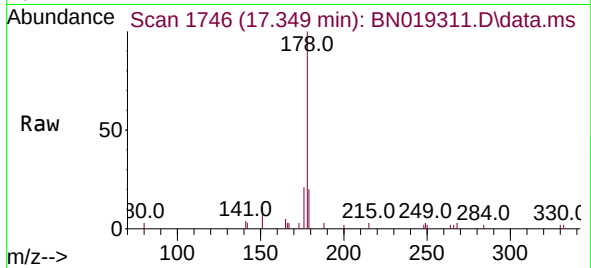
Tgt Ion:178 Resp: 24632
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 15.1 12.2 18.2



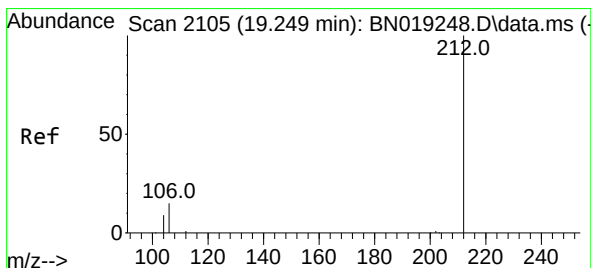
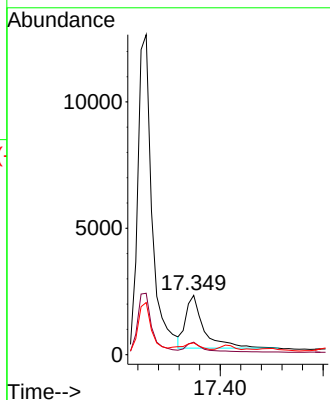
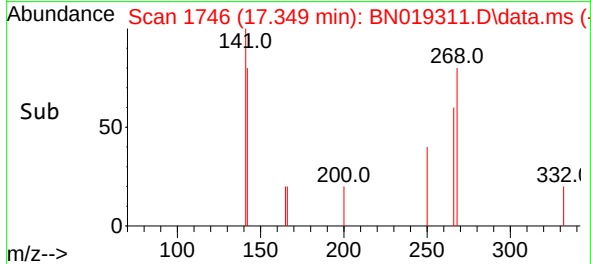


#26
 Anthracene
 Concen: 0.532 ng
 RT: 17.349 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN019311.D
 Acq: 02 Apr 2022 06:28

Instrument :
 BNA_N
 ClientSampleId :

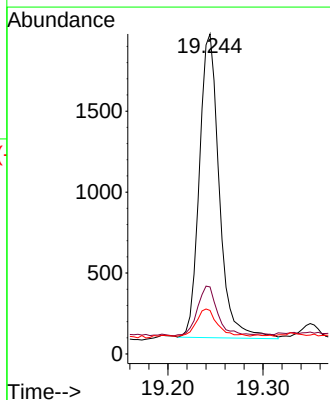
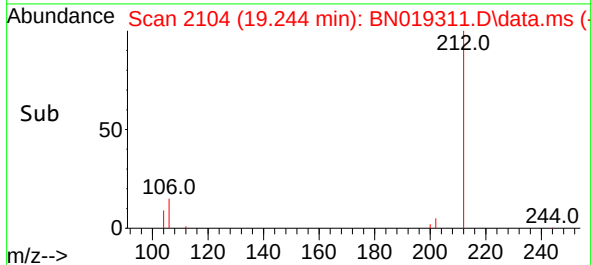
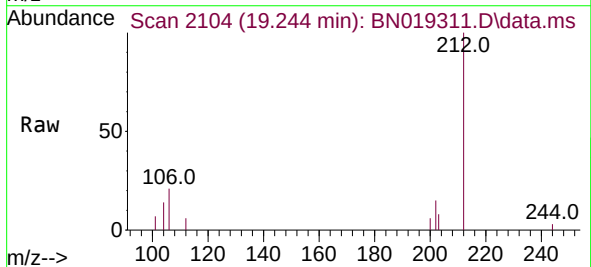


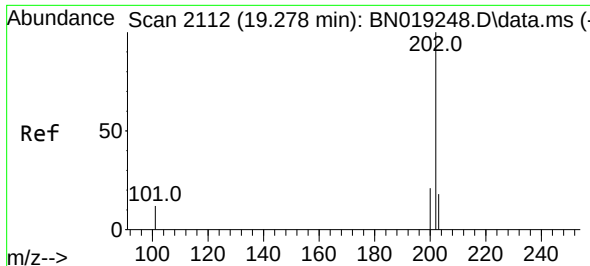
Tgt Ion:178 Resp: 5160
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.8 22.2
 179 11.8 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.244 ng
 RT: 19.244 min Scan# 2104
 Delta R.T. -0.004 min
 Lab File: BN019311.D
 Acq: 02 Apr 2022 06:28

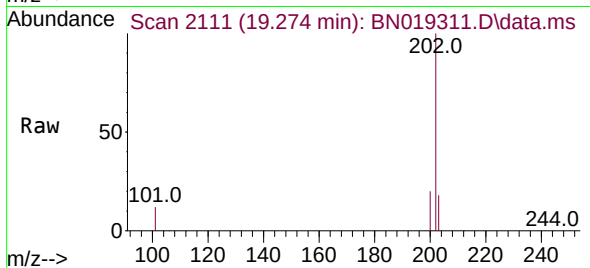
Tgt Ion:212 Resp: 2730
 Ion Ratio Lower Upper
 212 100
 106 16.7 12.7 19.1
 104 10.0 7.1 10.7



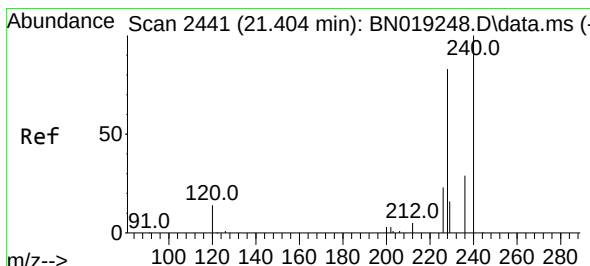
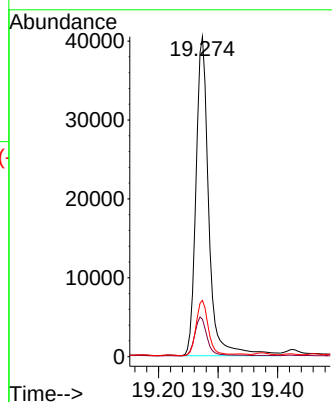
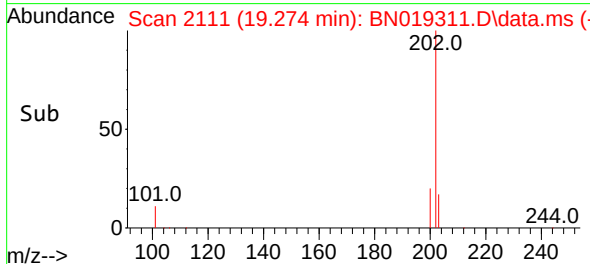


#28
Fluoranthene
Concen: 4.337 ng
RT: 19.274 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Instrument :
BNA_N
ClientSampleId :

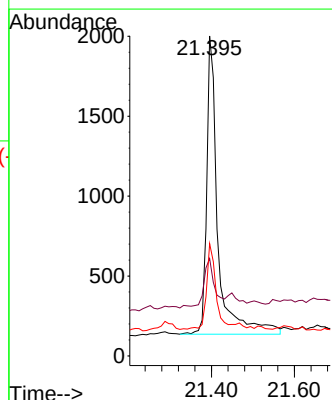
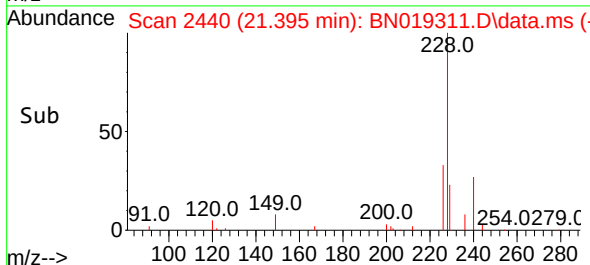
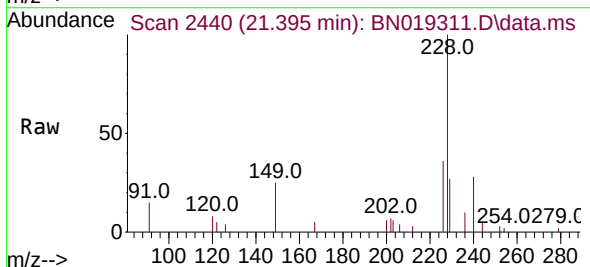


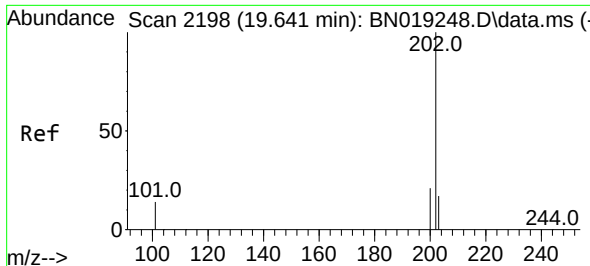
Tgt Ion:202 Resp: 60706
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.6
203 16.5 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.395 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Tgt Ion:240 Resp: 3508
Ion Ratio Lower Upper
240 100
120 30.5 8.5 12.7#
236 35.1 22.4 33.6#

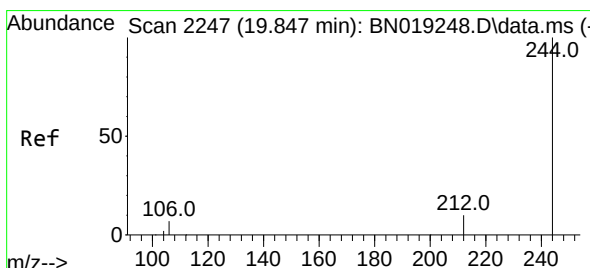
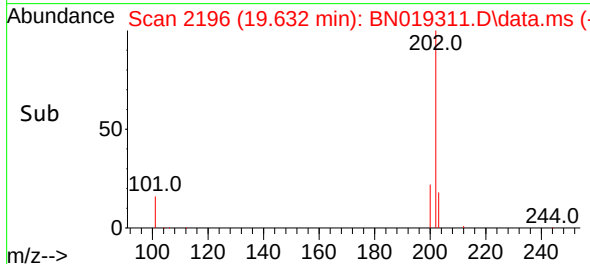
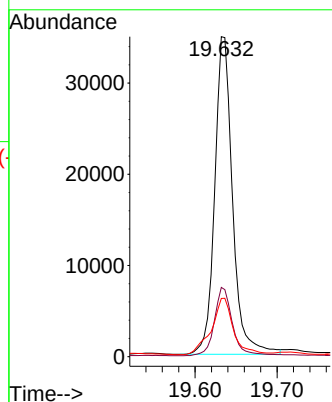
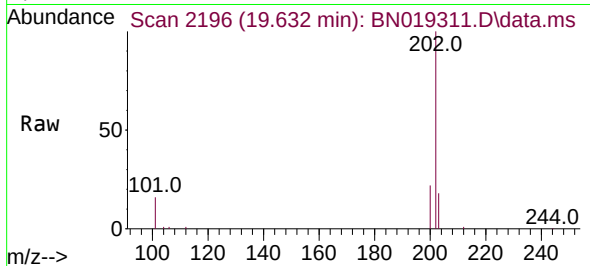




#30
Pyrene
Concen: 3.048 ng
RT: 19.632 min Scan# 2196
Delta R.T. -0.009 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

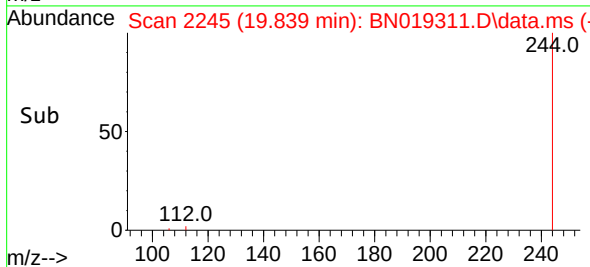
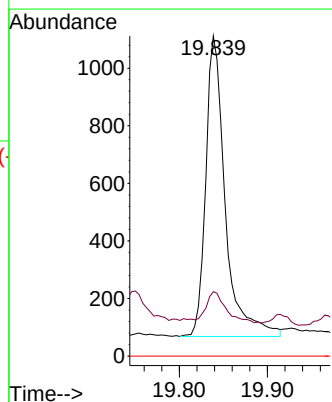
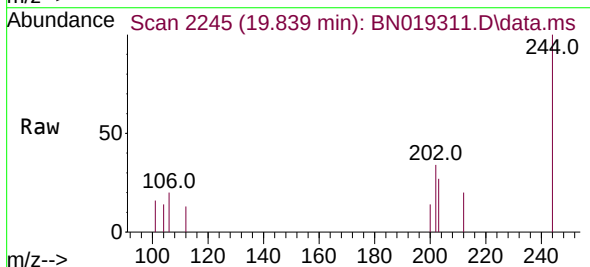
Instrument :
BNA_N
ClientSampleId :

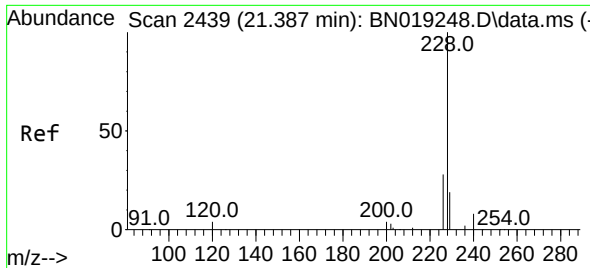
Tgt Ion:202 Resp: 52821
Ion Ratio Lower Upper
202 100
200 22.1 16.9 25.3
203 21.9 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.206 ng
RT: 19.839 min Scan# 2245
Delta R.T. -0.009 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

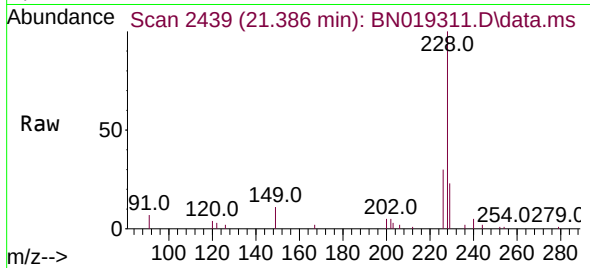
Tgt Ion:244 Resp: 1605
Ion Ratio Lower Upper
244 100
212 20.1 8.2 12.4#
122 0.0 0.0 0.0



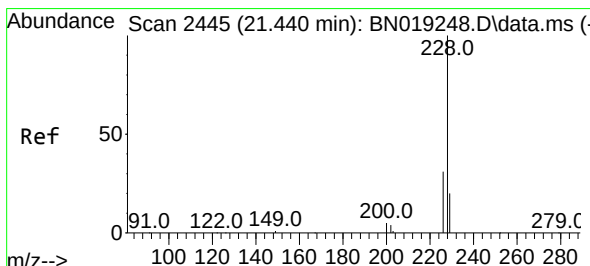
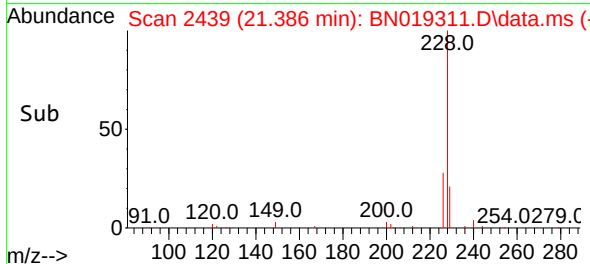
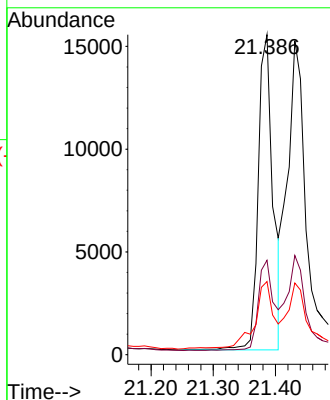


#32
Benzo(a)anthracene
Concen: 2.305 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Instrument :
BNA_N
ClientSampleId :

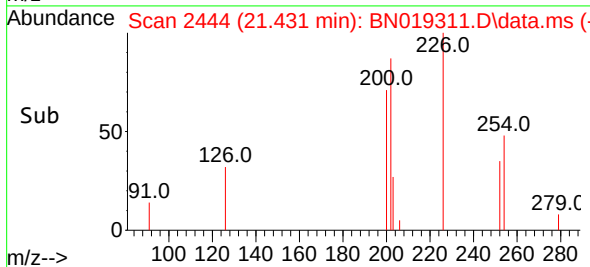
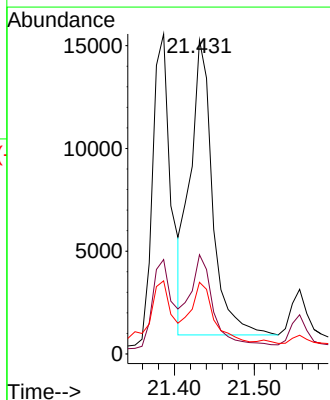
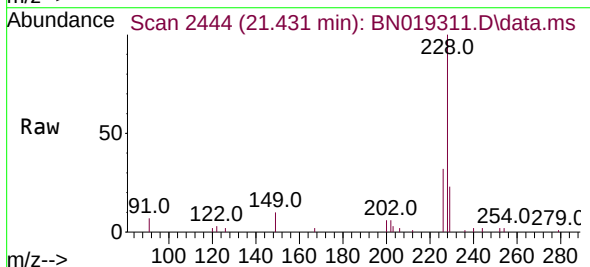


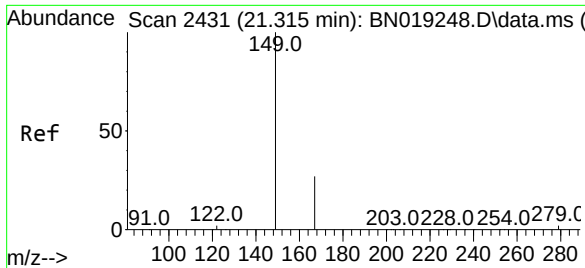
Tgt Ion:228 Resp: 25334
Ion Ratio Lower Upper
228 100
226 29.5 21.9 32.9
229 22.9 16.0 24.0



#33
Chrysene
Concen: 2.001 ng
RT: 21.431 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Tgt Ion:228 Resp: 28109
Ion Ratio Lower Upper
228 100
226 31.6 24.0 36.0
229 22.8 15.9 23.9

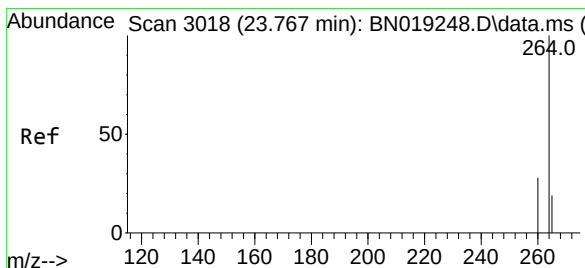
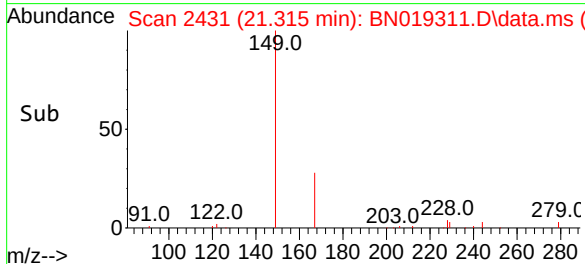
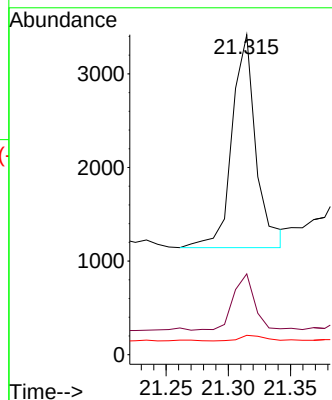
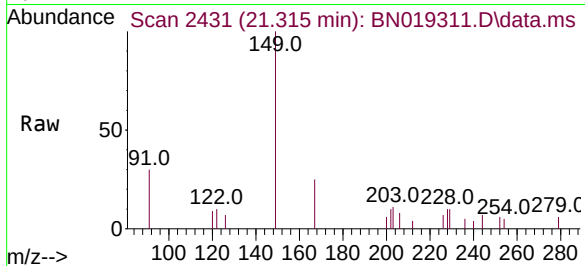




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.416 ng
 RT: 21.315 min Scan# 2431
 Delta R.T. -0.000 min
 Lab File: BN019311.D
 Acq: 02 Apr 2022 06:28

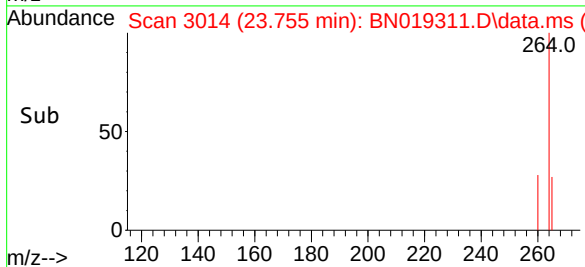
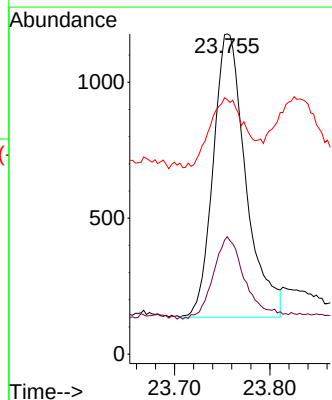
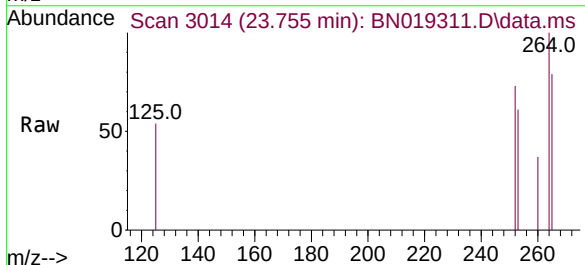
Instrument :
 BNA_N
 ClientSampleId :

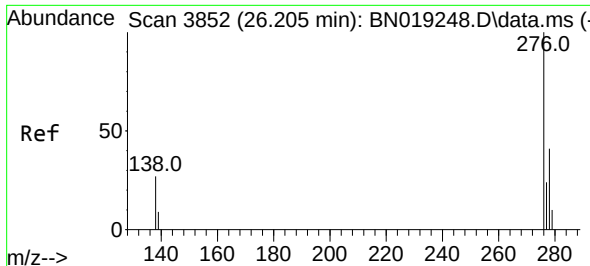
Tgt Ion:	149	Resp:	3053
Ion Ratio	Lower	Upper	
149	100		
167	23.9	21.8	32.8
279	2.9	2.0	3.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.755 min Scan# 3014
 Delta R.T. -0.012 min
 Lab File: BN019311.D
 Acq: 02 Apr 2022 06:28

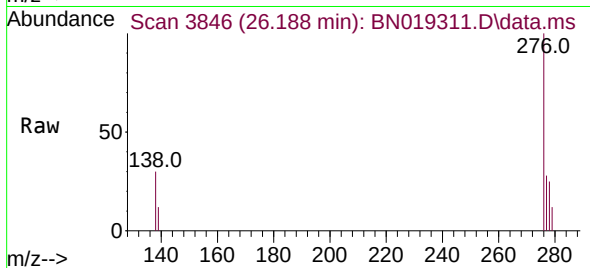
Tgt Ion:	264	Resp:	2479
Ion Ratio	Lower	Upper	
264	100		
260	36.7	22.4	33.6#
265	79.5	25.3	37.9#



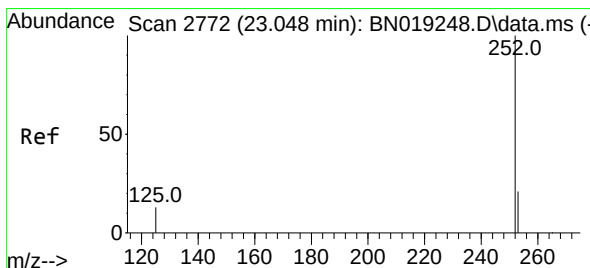
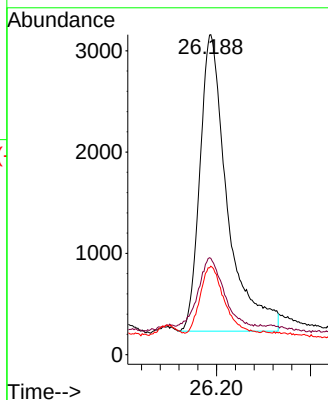
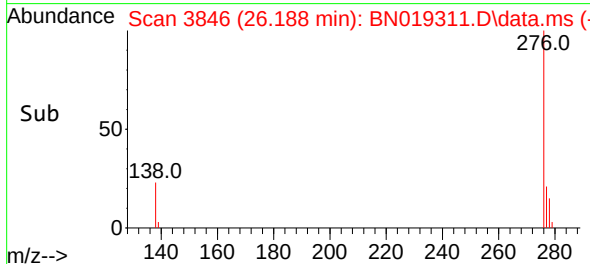


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.168 ng
RT: 26.188 min Scan# 31
Delta R.T. -0.018 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Instrument :
BNA_N
ClientSampleId :

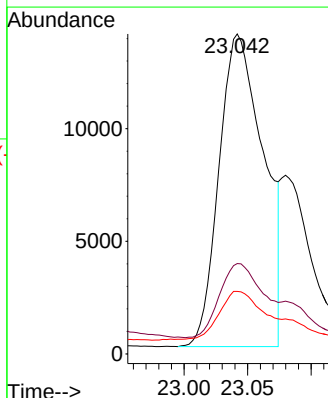
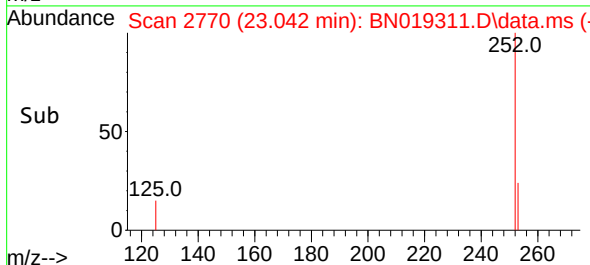
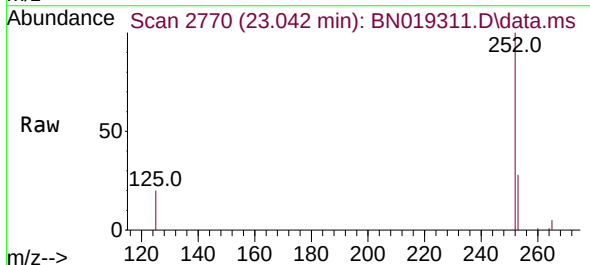


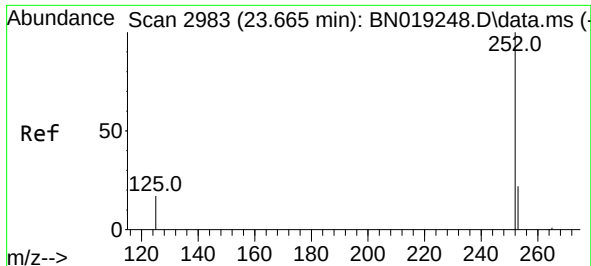
Tgt Ion:276 Resp: 11829
Ion Ratio Lower Upper
276 100
138 20.9 24.5 36.7#
277 19.8 19.8 29.8#



#37
Benzo(b)fluoranthene
Concen: 3.678 ng
RT: 23.042 min Scan# 2770
Delta R.T. -0.006 min
Lab File: BN019311.D
Acq: 02 Apr 2022 06:28

Tgt Ion:252 Resp: 33871
Ion Ratio Lower Upper
252 100
253 28.2 18.9 28.3
125 19.6 12.1 18.1#





#39

Benzo(a)pyrene

Concen: 2.101 ng

RT: 23.548 min Scan# 2983

Delta R.T. -0.117 min

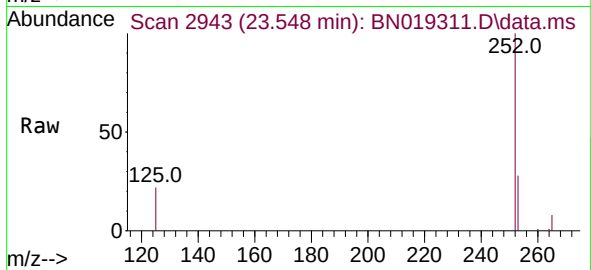
Lab File: BN019311.D

Acq: 02 Apr 2022 06:28

Instrument :

BNA_N

ClientSampleId :



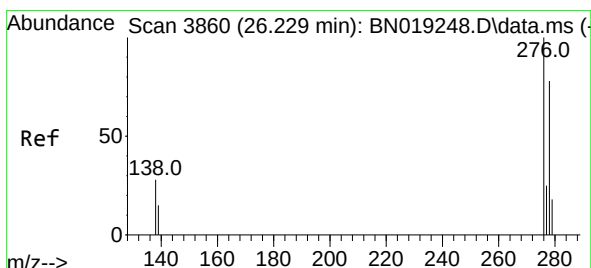
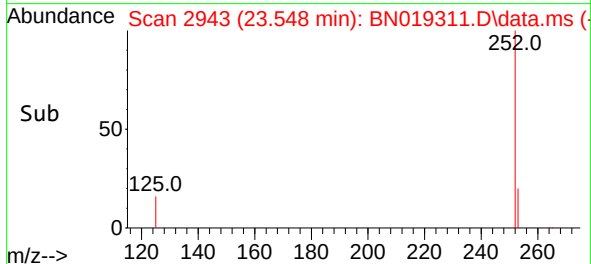
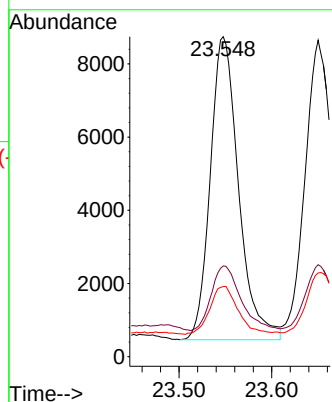
Tgt Ion:252 Resp: 17576

Ion Ratio Lower Upper

252 100

253 28.4 20.1 30.1

125 21.9 15.2 22.8



#40

Dibenzo(a,h)anthracene

Concen: 0.319 ng

RT: 26.191 min Scan# 3847

Delta R.T. -0.038 min

Lab File: BN019311.D

Acq: 02 Apr 2022 06:28

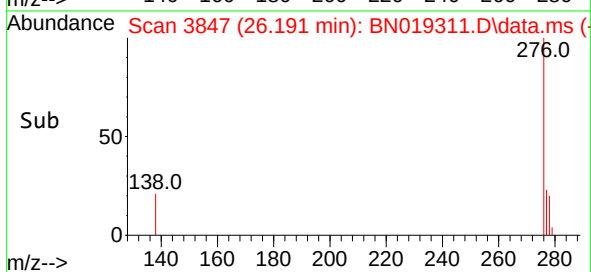
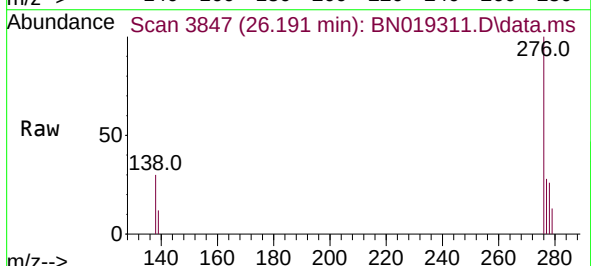
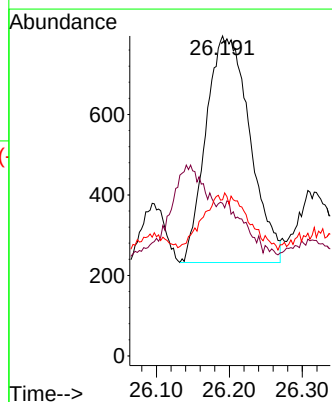
Tgt Ion:278 Resp: 2357

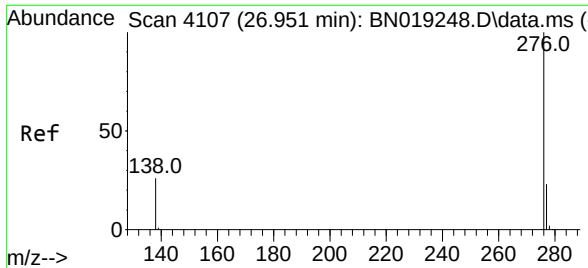
Ion Ratio Lower Upper

278 100

139 47.7 17.2 25.8#

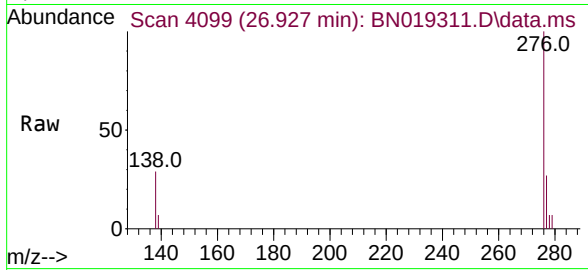
279 48.8 19.9 29.9#





#41
 Benzo(g,h,i)perylene
 Concen: 1.251 ng
 RT: 26.927 min Scan# 4099
 Delta R.T. -0.024 min
 Lab File: BN019311.D
 Acq: 02 Apr 2022 06:28

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion:	276	Resp:	12927
Ion Ratio	Lower	Upper	
276	100		
277	26.9	19.4	29.0
138	28.7	21.0	31.6

