

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050622\
 Data File : BN019698.D
 Acq On : 06 May 2022 14:01
 Operator : CG/JU
 Sample : N2735-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-120920

Quant Time: May 07 00:51:52 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN050422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:20:22 2022
 Response via : Initial Calibration

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

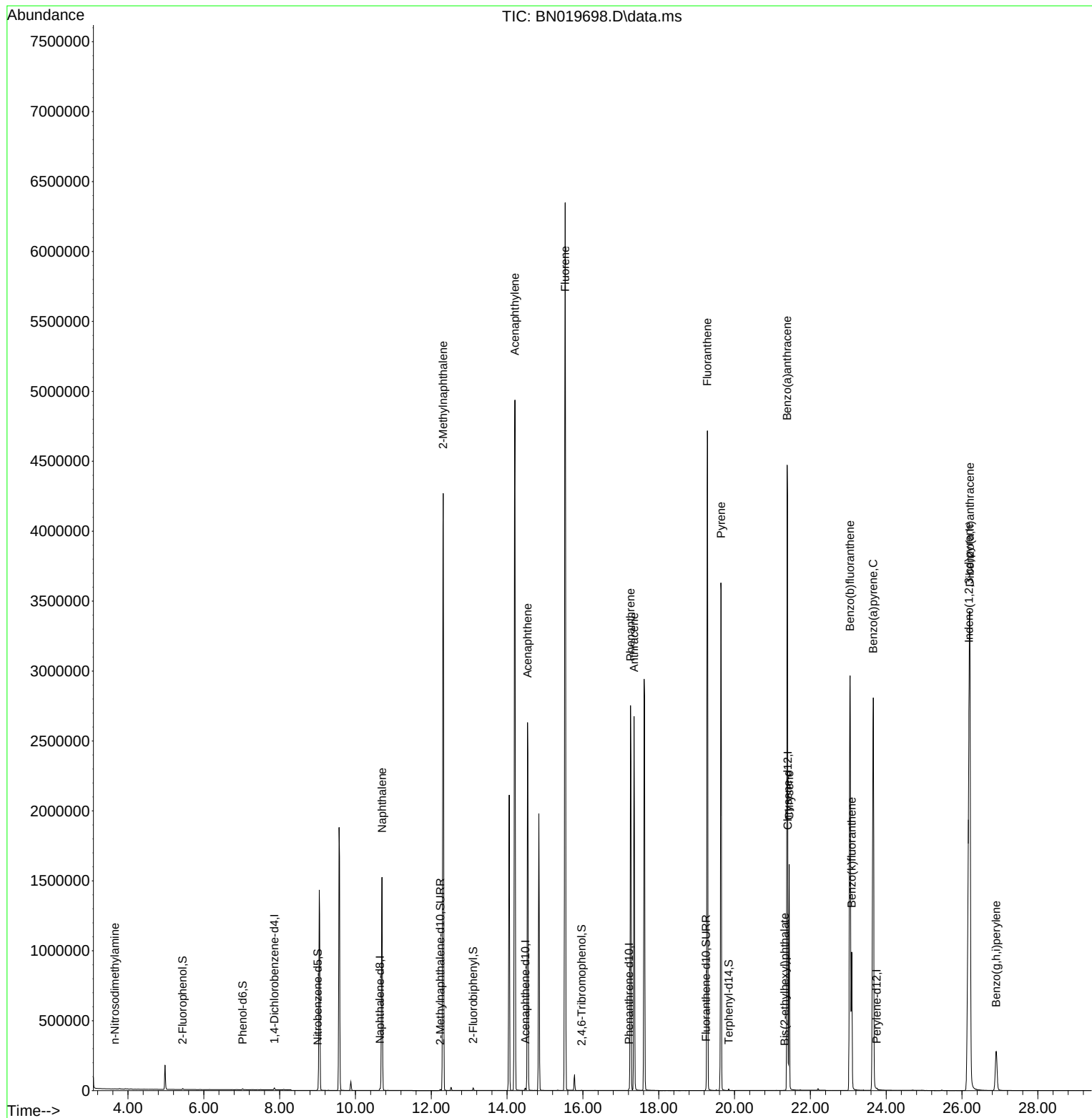
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	5896	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	18429	0.400	ng	0.00
13) Acenaphthene-d10	14.485	164	9774	0.400	ng	0.00
19) Phenanthrene-d10	17.215	188	17957	0.400	ng	0.00
29) Chrysene-d12	21.404	240	9695	0.400	ng	0.00
35) Perylene-d12	23.750	264	8629	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.442	112	5237	0.381	ng	0.00
5) Phenol-d6	7.024	99	6269	0.372	ng	0.00
8) Nitrobenzene-d5	9.003	82	5493	0.368	ng	0.00
11) 2-Methylnaphthalene-d10	12.238	152	12006	0.400	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	964	0.267	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	16429	0.390	ng	0.00
27) Fluoranthene-d10	19.249	212	18118	0.364	ng	0.00
31) Terphenyl-d14	19.847	244	11392	0.502	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.658	42	712	0.101	ng	# 1
9) Naphthalene	10.701	128	2069636	39.256	ng	99
12) 2-Methylnaphthalene	12.314	142	3376823	97.665	ng	98
16) Acenaphthylene	14.207	152	6132169	130.025	ng	99
17) Acenaphthene	14.538	154	1466923	45.211	ng	99
18) Fluorene	15.532	166	4645851	116.561	ng	96
25) Phenanthrene	17.256	178	3075787	51.692	ng	99
26) Anthracene	17.349	178	2888244	57.148	ng	99
28) Fluoranthene	19.282	202	5028203	80.870	ng	98
30) Pyrene	19.641	202	3678327	91.786	ng	98
32) Benzo(a)anthracene	21.387	228	4503230	131.060	ng	99
33) Chrysene	21.440	228	1220261	32.482	ng	99
34) Bis(2-ethylhexyl)phtha...	21.324	149	1076	0.059	ng	# 92
36) Indeno(1,2,3-cd)pyrene	26.185	276	4673309	119.164	ng	100
37) Benzo(b)fluoranthene	23.048	252	4602603	129.072	ng	# 89
38) Benzo(k)fluoranthene	23.089	252	1150658	30.485	ng	# 86
39) Benzo(a)pyrene	23.659	252	4851742	179.345	ng	# 83
40) Dibenzo(a,h)anthracene	26.208	278	4104854	128.472	ng	94
41) Benzo(g,h,i)perylene	26.901	276	605805	19.156	ng	97

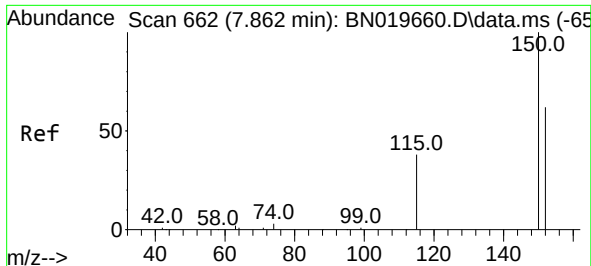
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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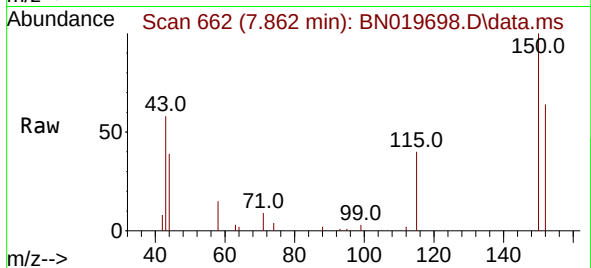
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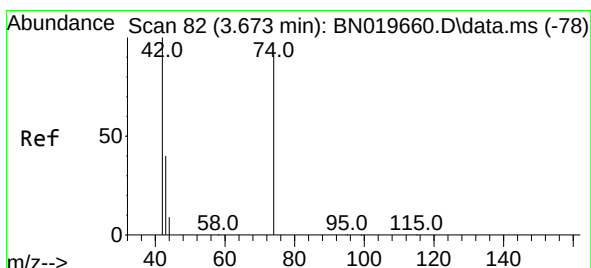
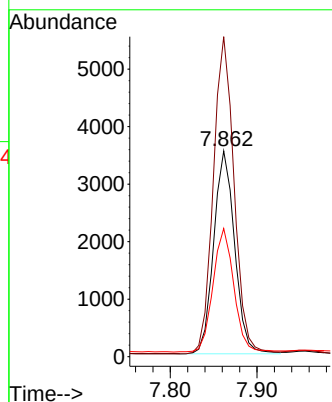
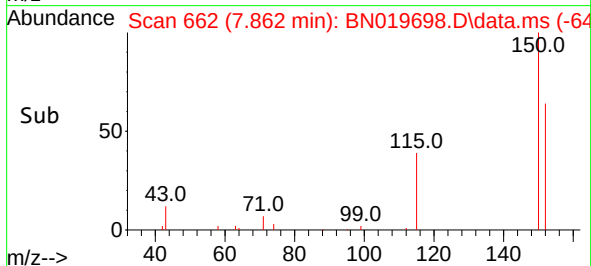


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.862 min Scan# 60
 Delta R.T. -0.000 min
 Lab File: BN019698.D
 Acq: 06 May 2022 14:01

Instrument :
 BNA_N
 ClientSampleId :
 38072-120920

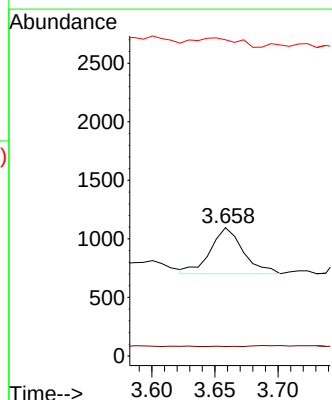
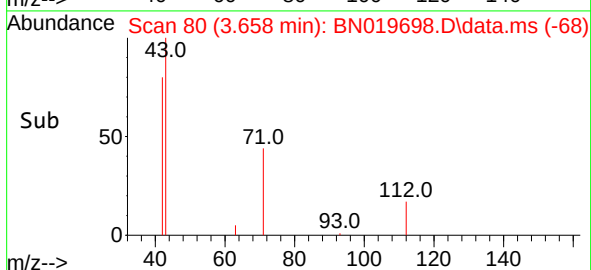
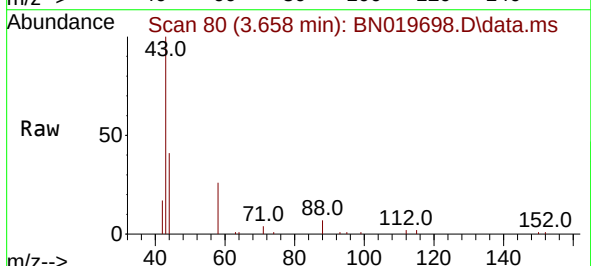


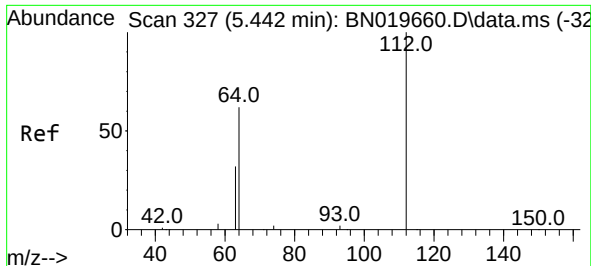
Tgt Ion:152 Resp: 5896
 Ion Ratio Lower Upper
 152 100
 150 155.5 122.6 183.8
 115 62.3 49.0 73.6



#3
 n-Nitrosodimethylamine
 Concen: 0.101 ng
 RT: 3.658 min Scan# 80
 Delta R.T. -0.014 min
 Lab File: BN019698.D
 Acq: 06 May 2022 14:01

Tgt Ion: 42 Resp: 712
 Ion Ratio Lower Upper
 42 100
 74 0.4 101.8 152.6#
 44 27.0 8.4 12.6#





#4

2-Fluorophenol

Concen: 0.381 ng

RT: 5.442 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN019698.D

Acq: 06 May 2022 14:01

Instrument :

BNA_N

ClientSampleId :

38072-120920

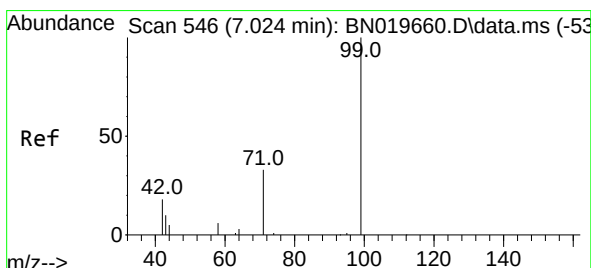
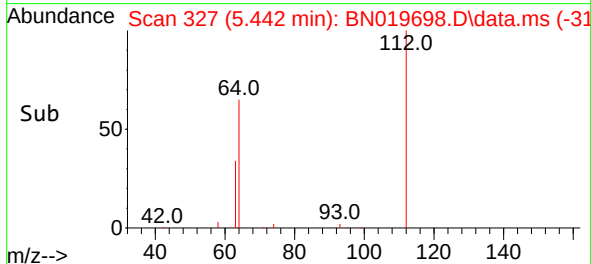
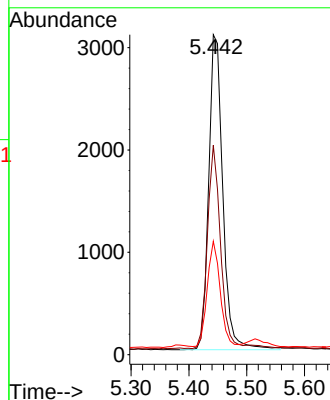
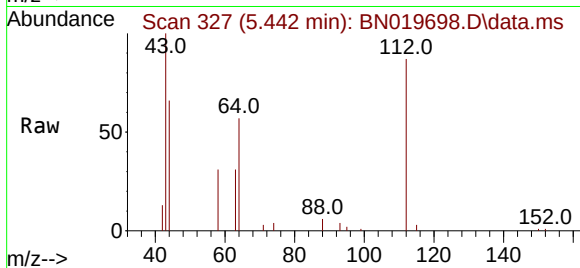
Tgt Ion:112 Resp: 5237

Ion Ratio Lower Upper

112 100

64 59.7 47.3 70.9

63 31.2 24.6 36.8



#5

Phenol-d6

Concen: 0.372 ng

RT: 7.024 min Scan# 546

Delta R.T. 0.000 min

Lab File: BN019698.D

Acq: 06 May 2022 14:01

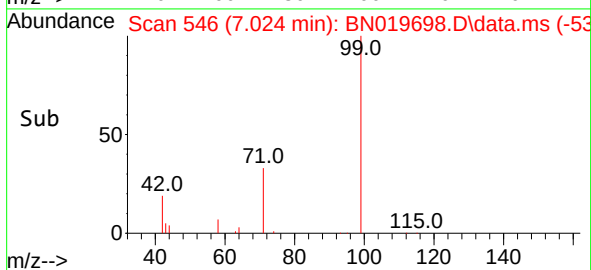
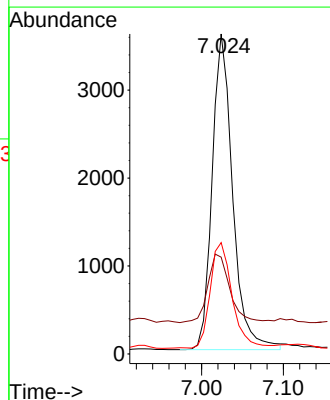
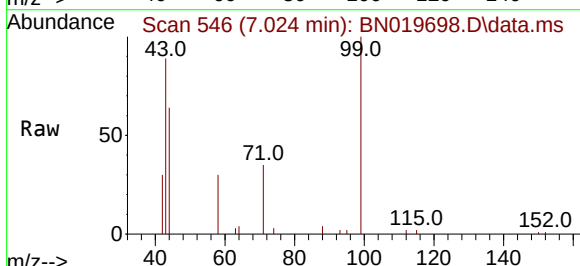
Tgt Ion: 99 Resp: 6269

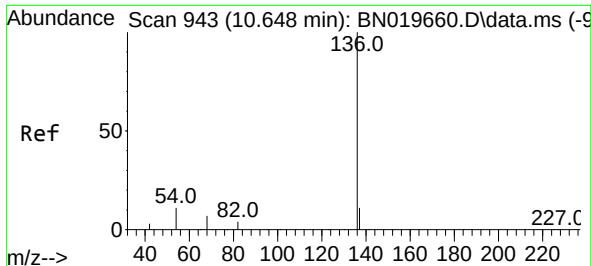
Ion Ratio Lower Upper

99 100

42 23.1 15.8 23.8

71 36.2 26.5 39.7

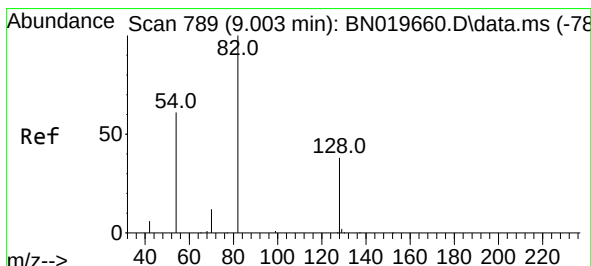
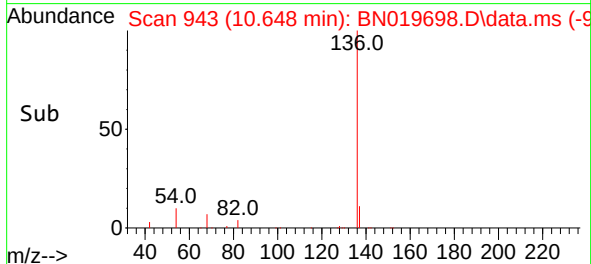
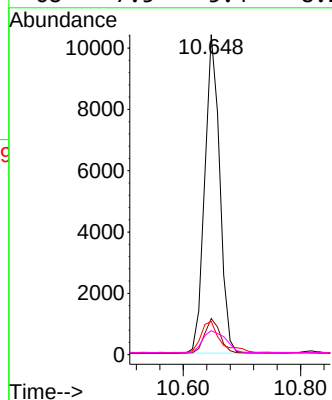
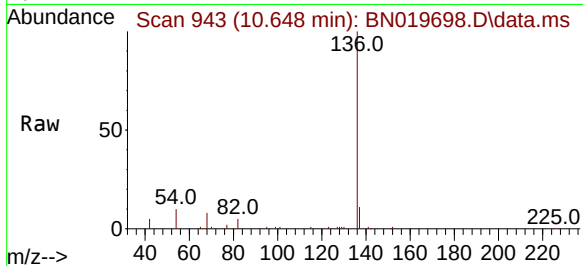




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

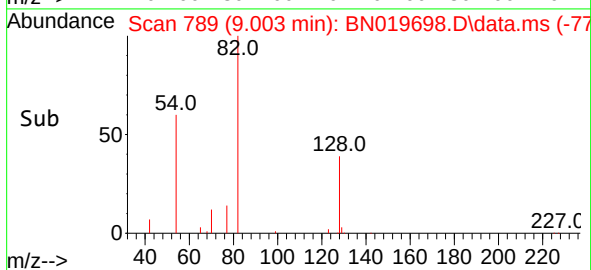
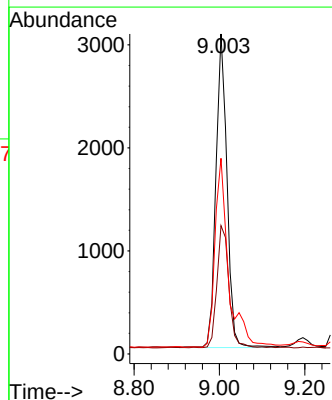
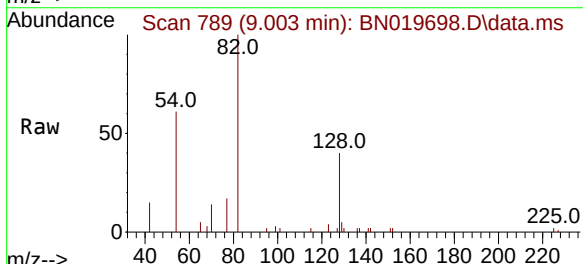
Instrument :
BNA_N
ClientSampleId :
38072-120920

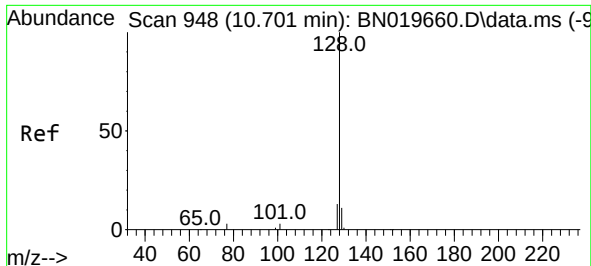
Tgt Ion:	136	Resp:	18429
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	10.4	7.8	11.6
68	7.5	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.368 ng
RT: 9.003 min Scan# 789
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

Tgt Ion:	82	Resp:	5493
Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.4	48.6
54	61.1	44.4	66.6

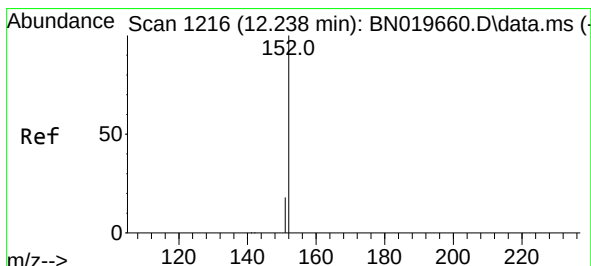
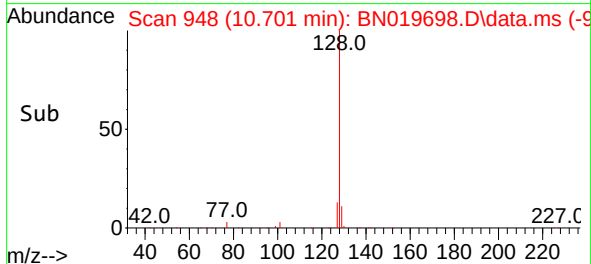
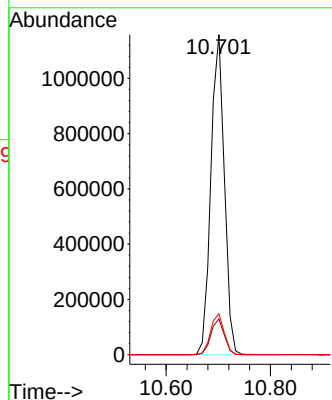
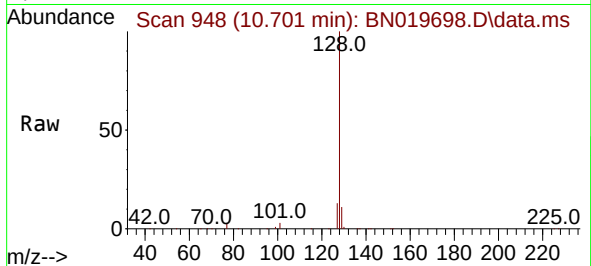




#9
Naphthalene
Concen: 39.256 ng
RT: 10.701 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

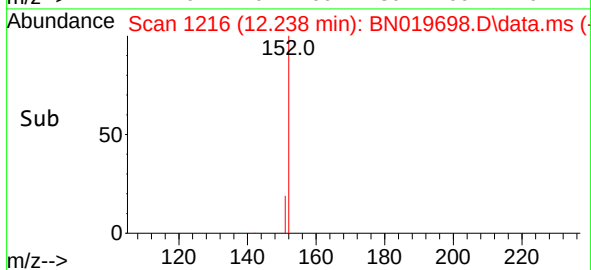
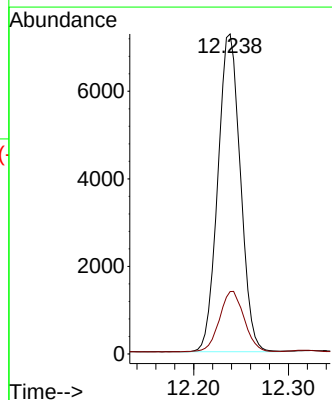
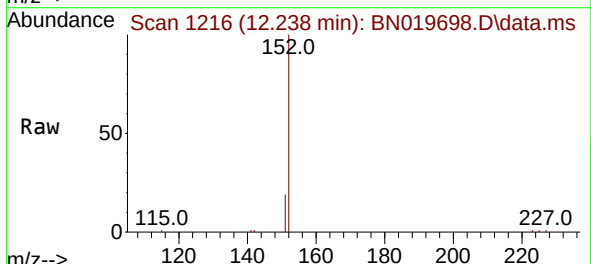
Instrument :
BNA_N
ClientSampleId :
38072-120920

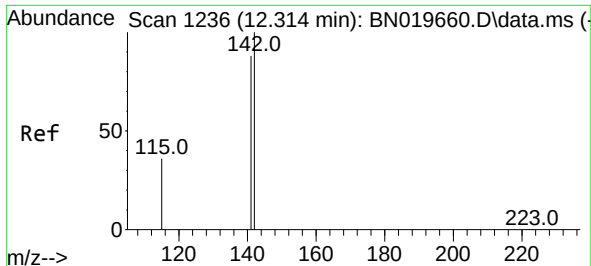
Tgt Ion:128 Resp: 2069636
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.8 10.8 16.2



#11
2-Methylnaphthalene-d10
Concen: 0.400 ng
RT: 12.238 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

Tgt Ion:152 Resp: 12006
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.4





#12

2-Methylnaphthalene

Concen: 97.665 ng

RT: 12.314 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN019698.D

Acq: 06 May 2022 14:01

Instrument :

BNA_N

ClientSampleId :

38072-120920

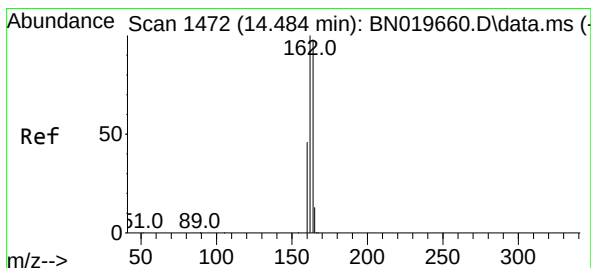
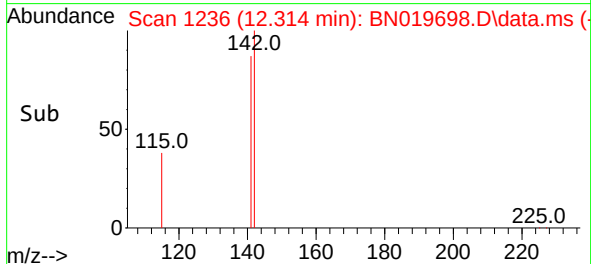
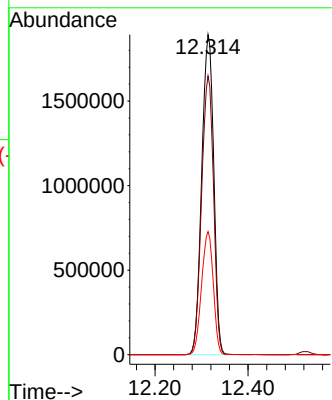
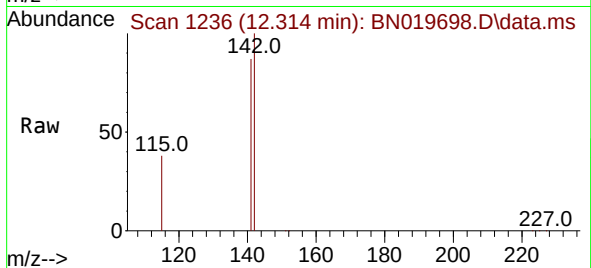
Tgt Ion:142 Resp: 3376823

Ion Ratio Lower Upper

142 100

141 87.1 71.0 106.6

115 38.5 29.6 44.4



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.485 min Scan# 1472

Delta R.T. 0.000 min

Lab File: BN019698.D

Acq: 06 May 2022 14:01

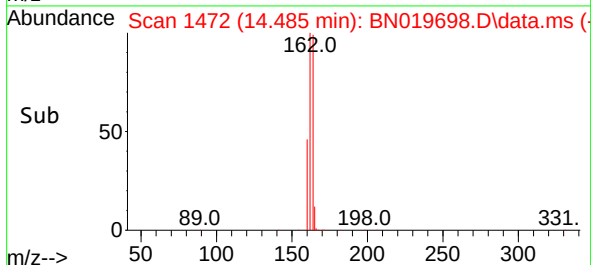
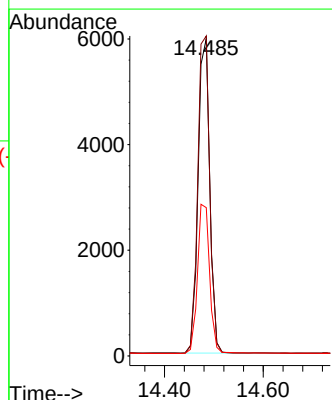
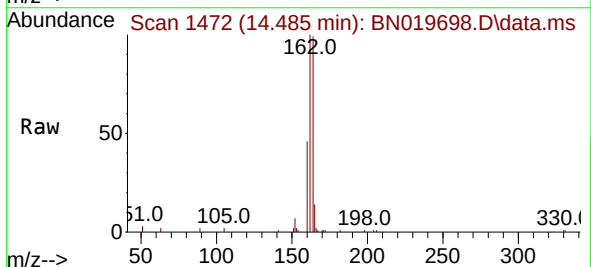
Tgt Ion:164 Resp: 9774

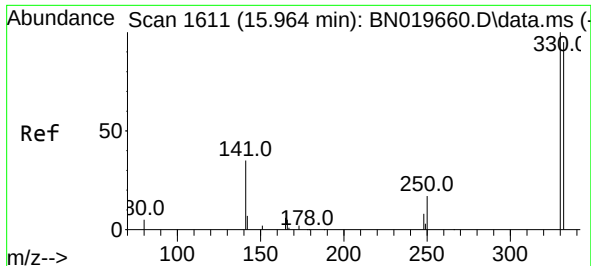
Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.6

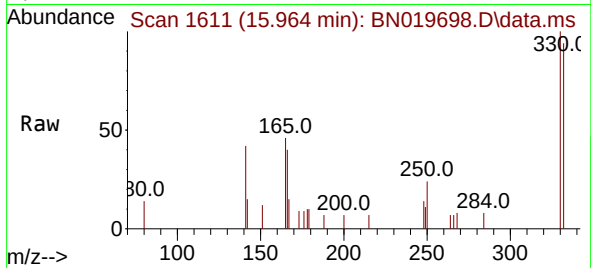
160 46.7 38.3 57.5



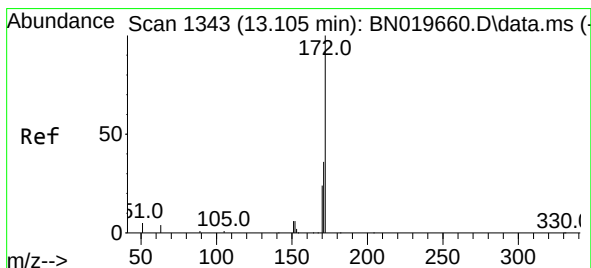
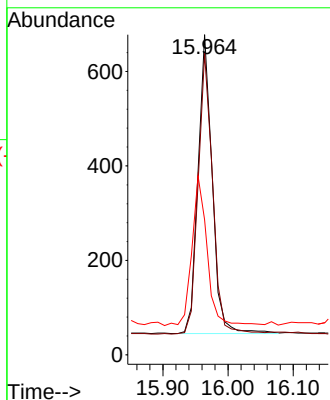
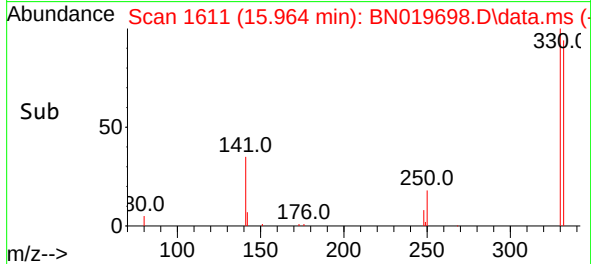


#14
2,4,6-Tribromophenol
Concen: 0.267 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

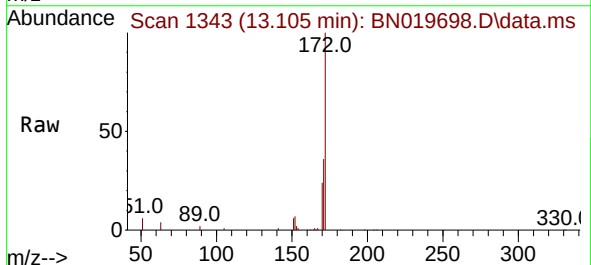
Instrument :
BNA_N
ClientSampleId :
38072-120920



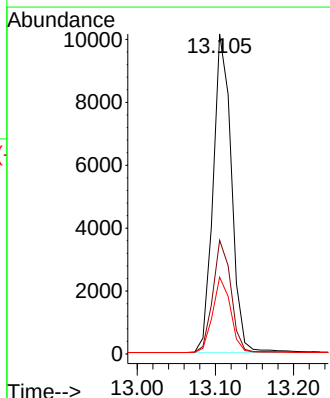
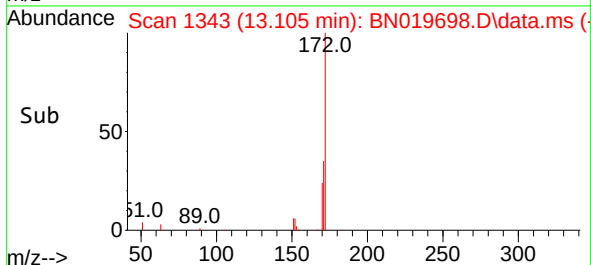
Tgt Ion:330 Resp: 964
Ion Ratio Lower Upper
330 100
332 95.7 76.2 114.4
141 53.2 39.7 59.5

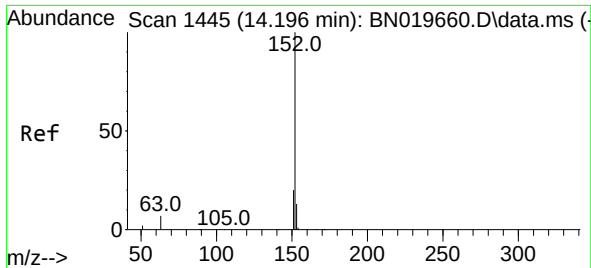


#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 13.105 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01



Tgt Ion:172 Resp: 16429
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 24.0 19.0 28.4

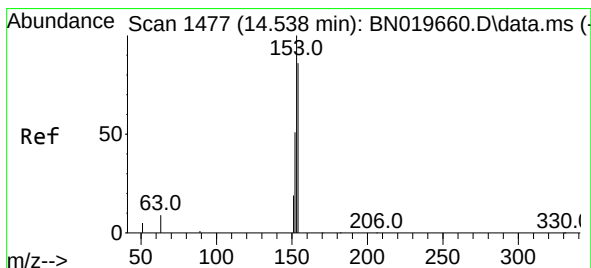
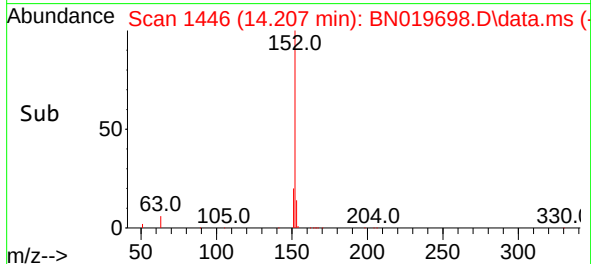
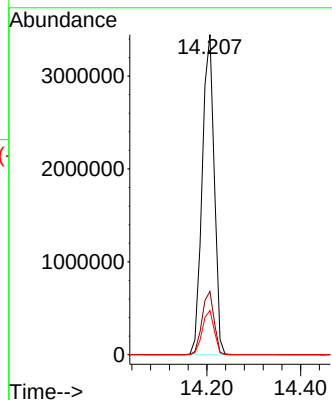
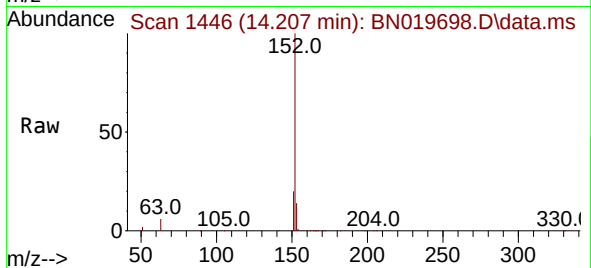




#16
Acenaphthylene
Concen: 130.025 ng
RT: 14.207 min Scan# 1445
Delta R.T. 0.011 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

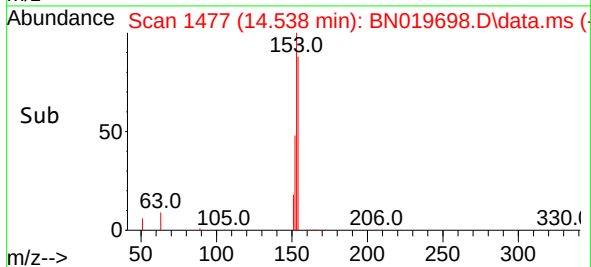
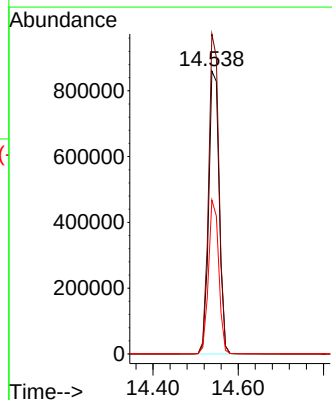
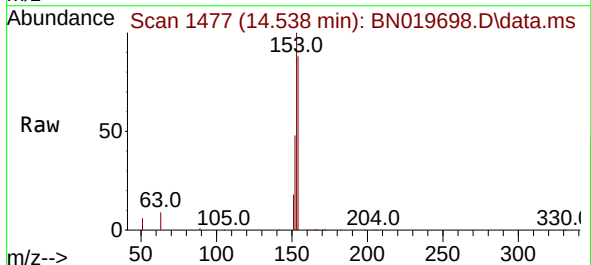
Instrument :
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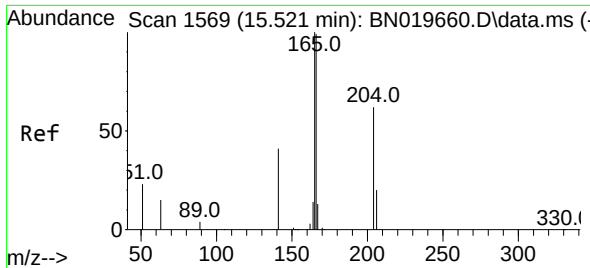
Tgt Ion:152 Resp: 6132169
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.4
153 13.7 10.5 15.7



#17
Acenaphthene
Concen: 45.211 ng
RT: 14.538 min Scan# 1477
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

Tgt Ion:154 Resp: 1466923
Ion Ratio Lower Upper
154 100
153 111.5 89.3 133.9
152 53.1 44.1 66.1

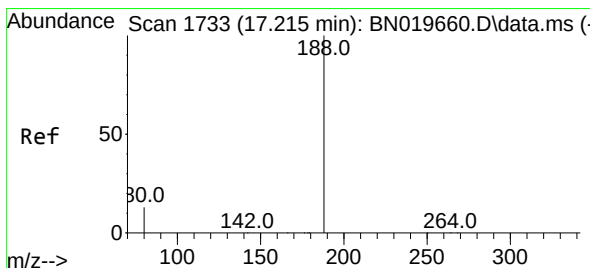
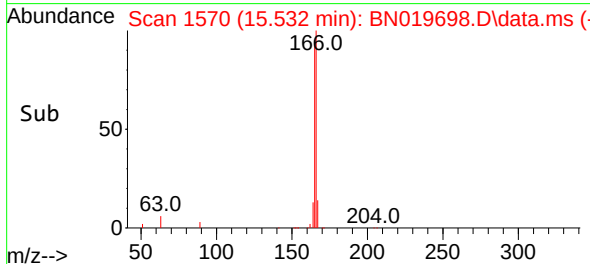
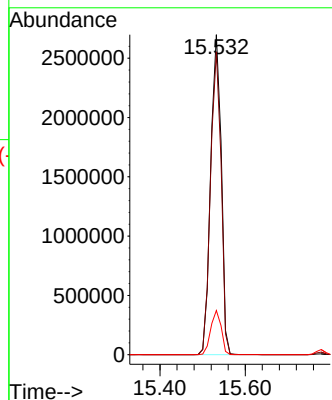
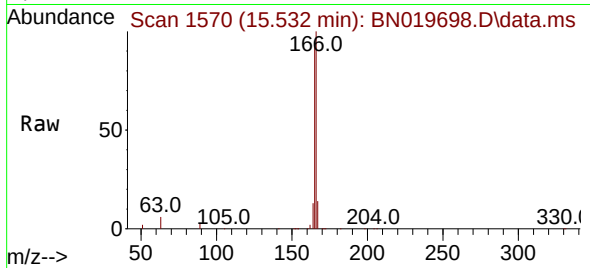




#18
Fluorene
Concen: 116.561 ng
RT: 15.532 min Scan# 1570
Delta R.T. 0.011 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

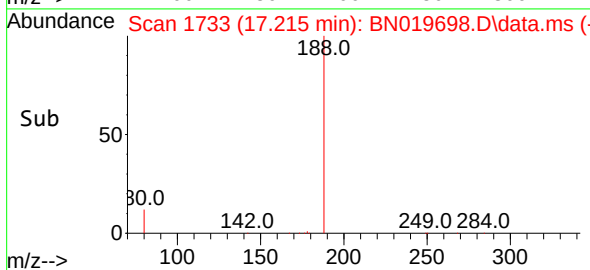
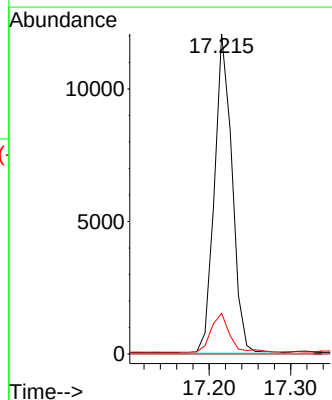
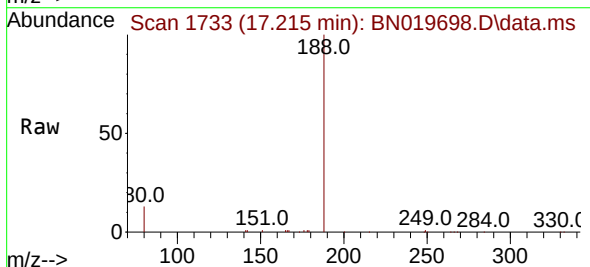
Instrument :
BNA_N
ClientSampleId :
38072-120920

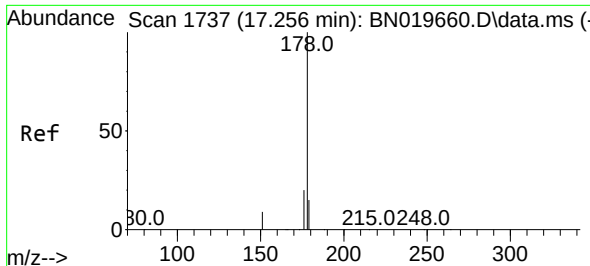
Tgt Ion:166 Resp: 4645851
Ion Ratio Lower Upper
166 100
165 95.0 79.1 118.7
167 13.7 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

Tgt Ion:188 Resp: 17957
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.7 8.6 12.8

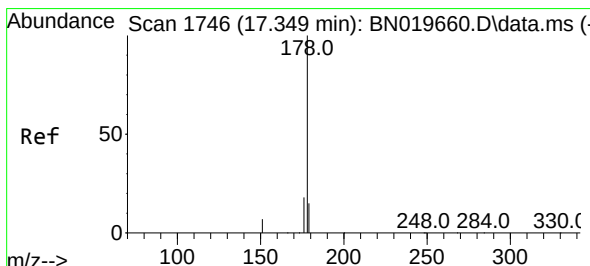
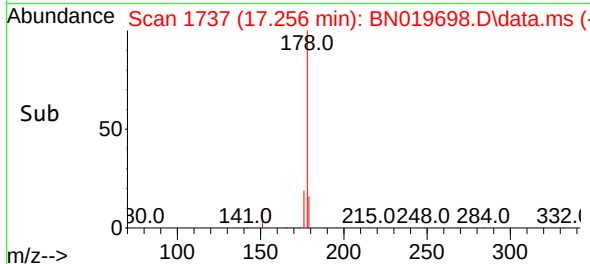
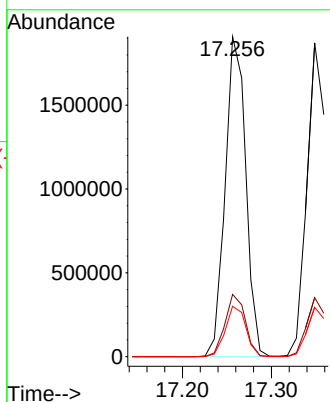
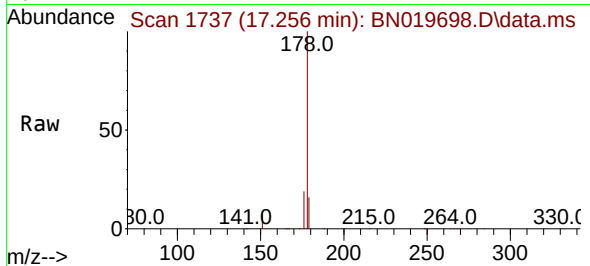




#25
Phenanthrene
Concen: 51.692 ng
RT: 17.256 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

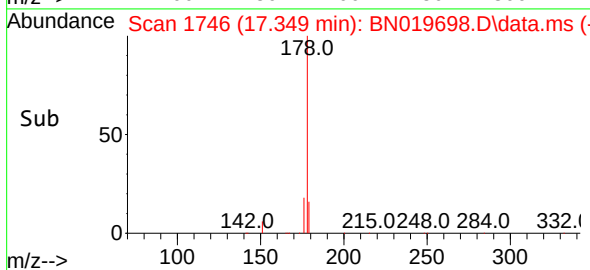
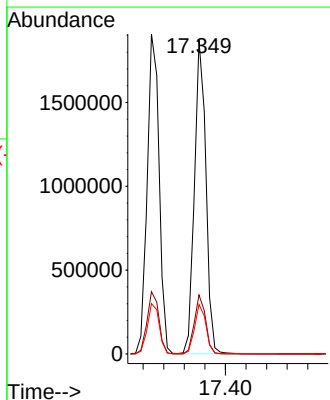
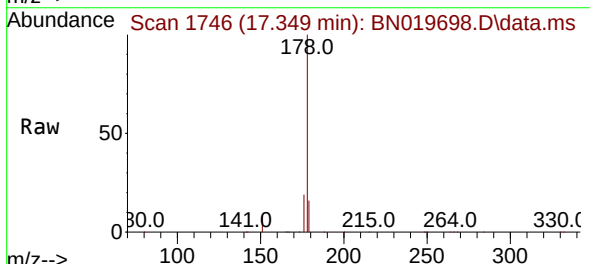
Instrument :
BNA_N
ClientSampleId :
38072-120920

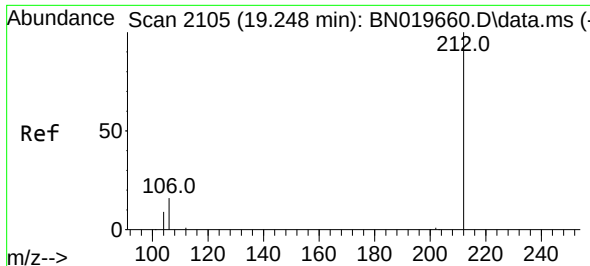
Tgt Ion:178 Resp: 3075787
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.7 12.1 18.1



#26
Anthracene
Concen: 57.148 ng
RT: 17.349 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

Tgt Ion:178 Resp: 2888244
Ion Ratio Lower Upper
178 100
176 18.6 14.3 21.5
179 15.6 12.2 18.4

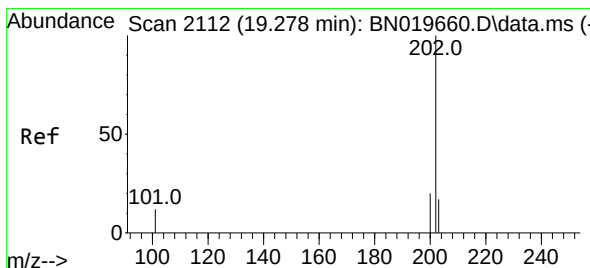
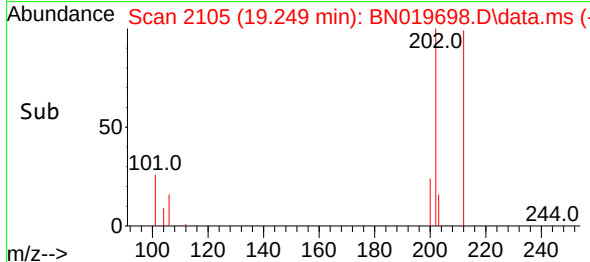
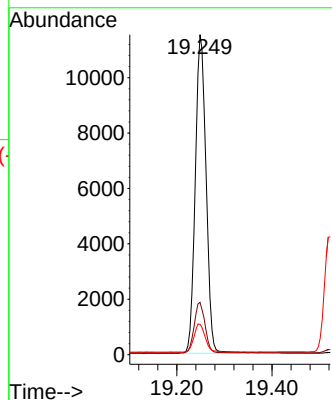
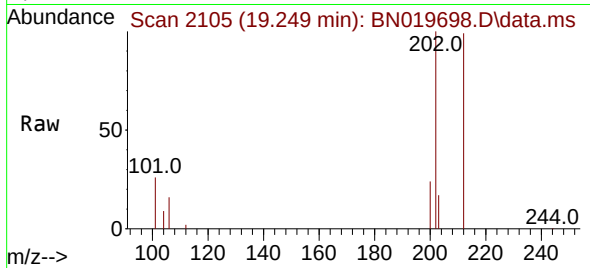




#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.249 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

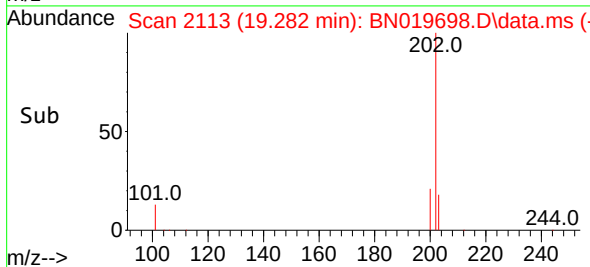
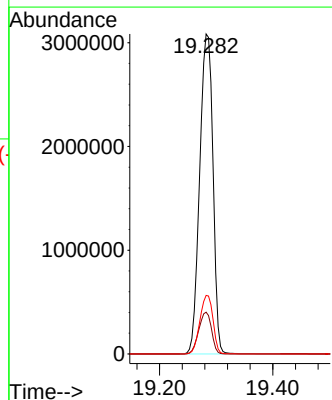
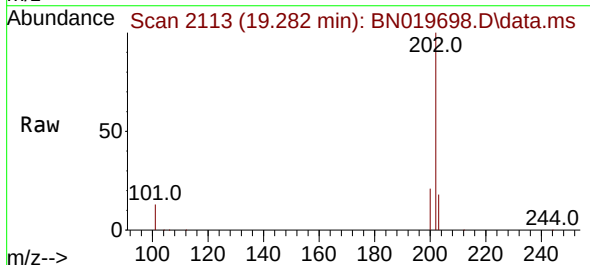
Instrument :
BNA_N
ClientSampleId :
38072-120920

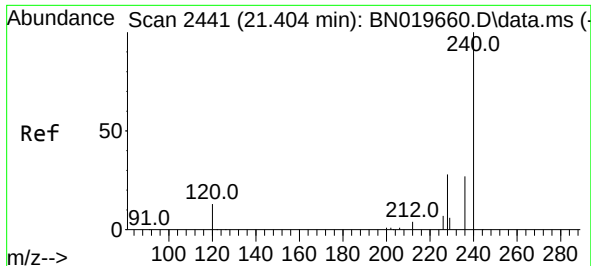
Tgt Ion:212 Resp: 18118
Ion Ratio Lower Upper
212 100
106 15.7 13.5 20.3
104 9.2 7.6 11.4



#28
Fluoranthene
Concen: 80.870 ng
RT: 19.282 min Scan# 2113
Delta R.T. 0.004 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

Tgt Ion:202 Resp: 5028203
Ion Ratio Lower Upper
202 100
101 12.6 10.6 15.8
203 18.0 13.6 20.4

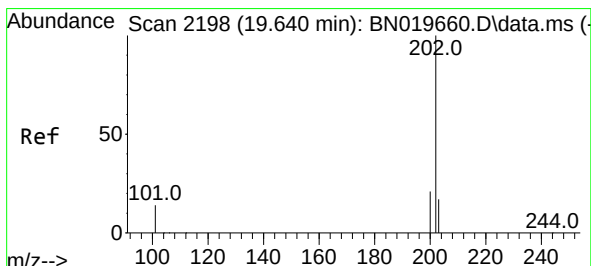
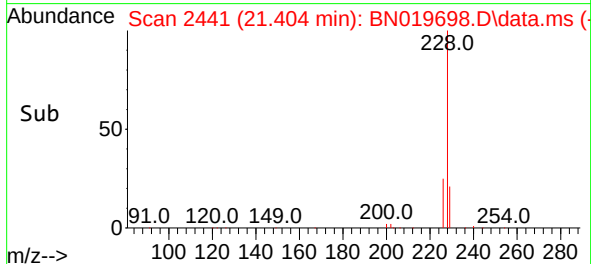
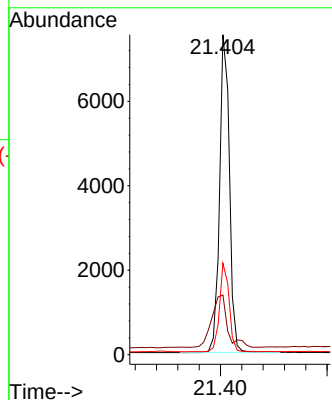
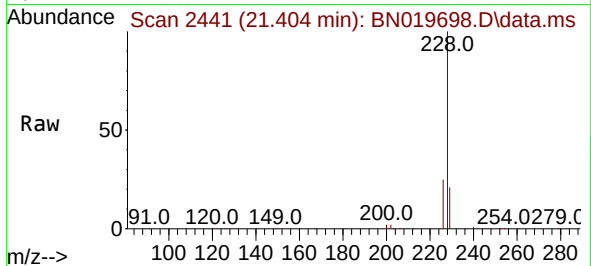




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.404 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

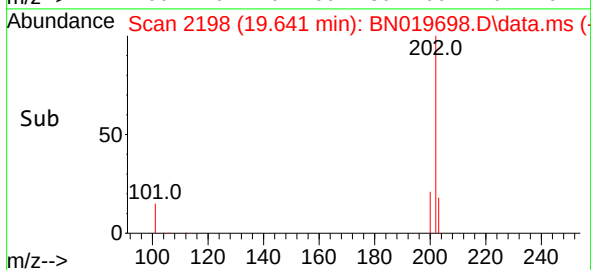
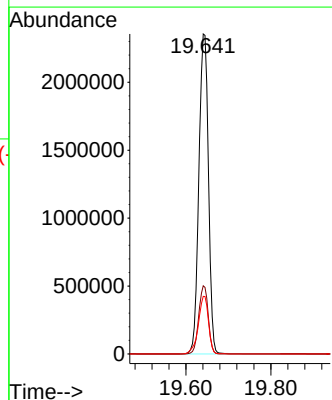
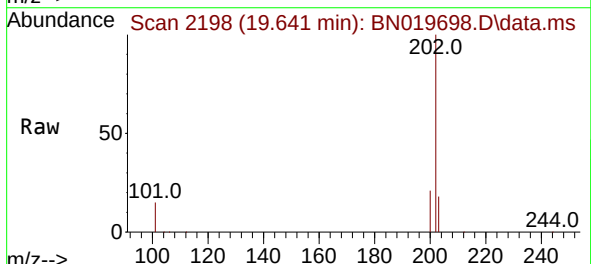
Instrument :
BNA_N
ClientSampleId :
38072-120920

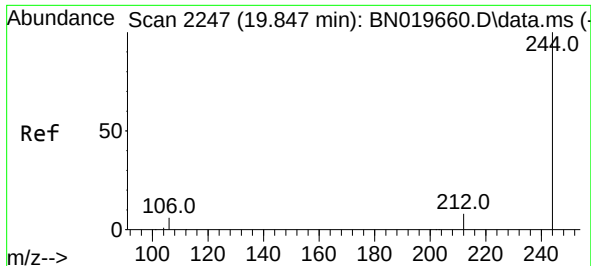
Tgt Ion:240 Resp: 9695
Ion Ratio Lower Upper
240 100
120 18.6 17.4 26.2
236 28.6 23.0 34.4



#30
Pyrene
Concen: 91.786 ng
RT: 19.641 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

Tgt Ion:202 Resp: 3678327
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 19.1 14.2 21.4

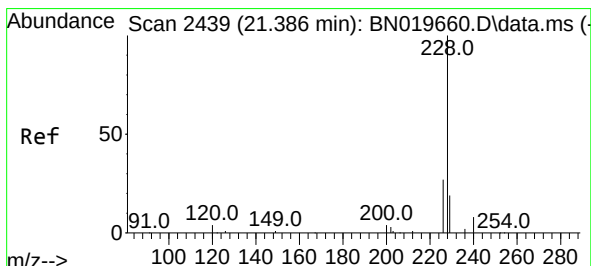
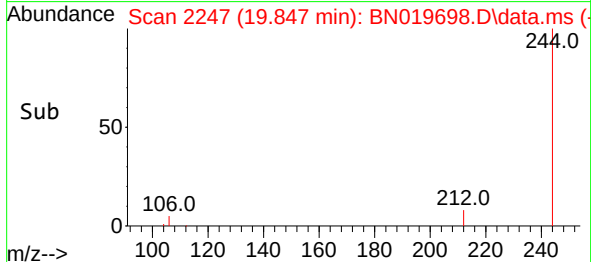
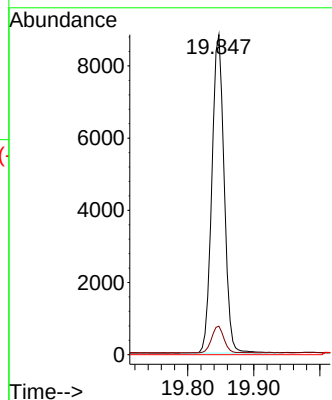
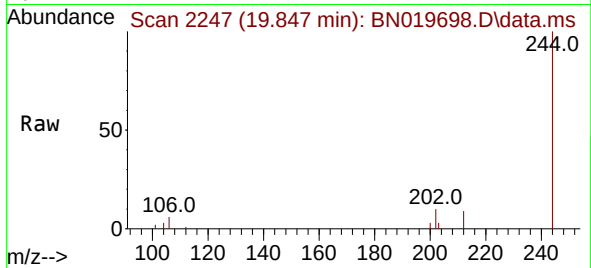




#31
 Terphenyl-d14
 Concen: 0.502 ng
 RT: 19.847 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN019698.D
 Acq: 06 May 2022 14:01

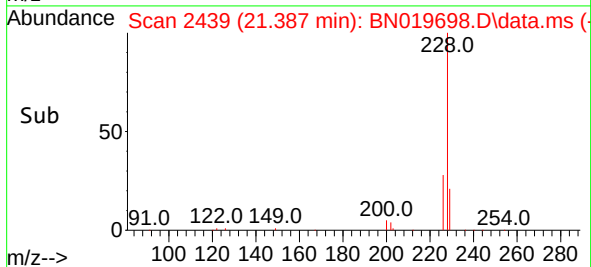
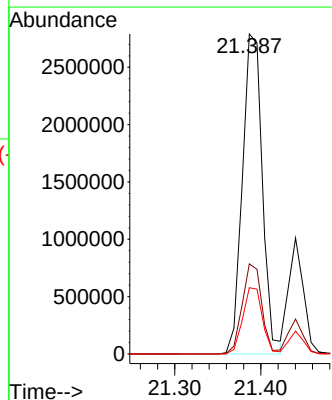
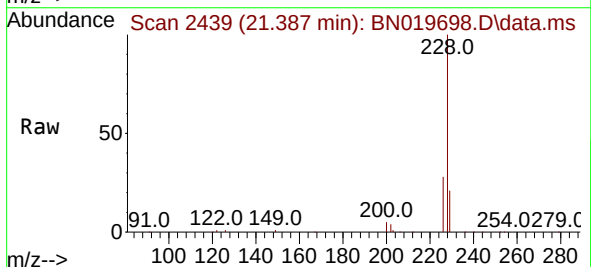
Instrument :
 BNA_N
 ClientSampleId :
 38072-120920

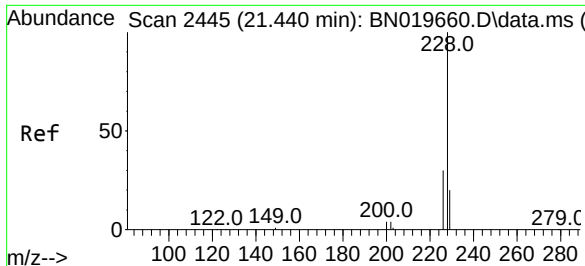
Tgt Ion:244 Resp: 11392
 Ion Ratio Lower Upper
 244 100
 212 8.9 7.6 11.4
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 131.060 ng
 RT: 21.387 min Scan# 2439
 Delta R.T. 0.000 min
 Lab File: BN019698.D
 Acq: 06 May 2022 14:01

Tgt Ion:228 Resp: 4503230
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.6 32.4
 229 20.7 16.5 24.7





#33

Chrysene

Concen: 32.482 ng

RT: 21.440 min Scan# 2445

Delta R.T. 0.000 min

Lab File: BN019698.D

Acq: 06 May 2022 14:01

Instrument :

BNA_N

ClientSampleId :

38072-120920

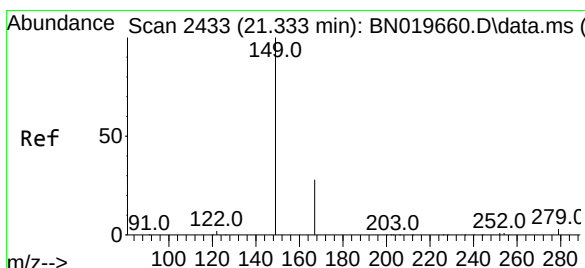
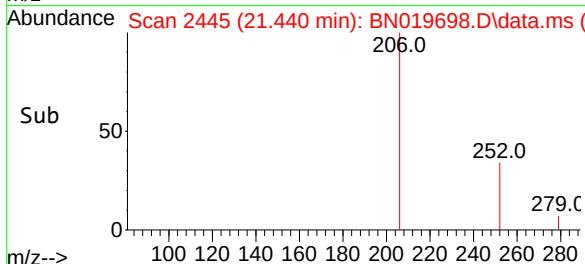
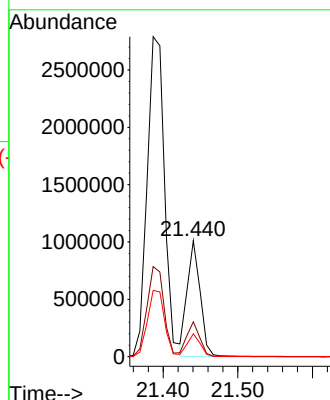
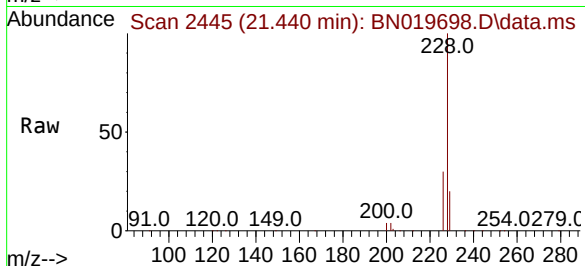
Tgt Ion:228 Resp: 1220261

Ion Ratio Lower Upper

228 100

226 30.0 24.6 36.8

229 19.7 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.059 ng

RT: 21.324 min Scan# 2432

Delta R.T. -0.009 min

Lab File: BN019698.D

Acq: 06 May 2022 14:01

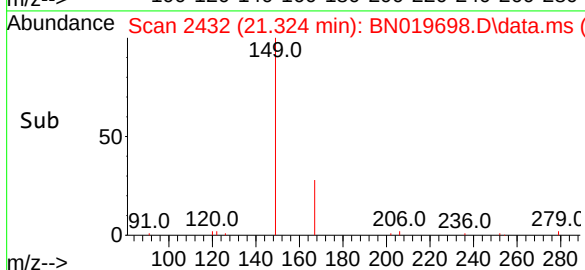
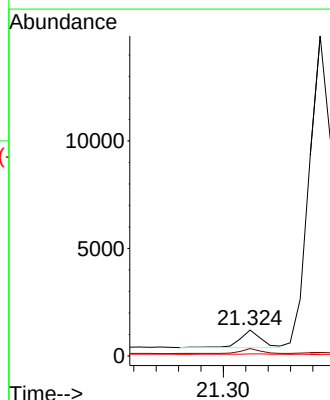
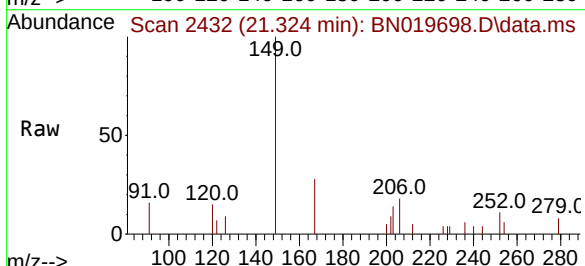
Tgt Ion:149 Resp: 1076

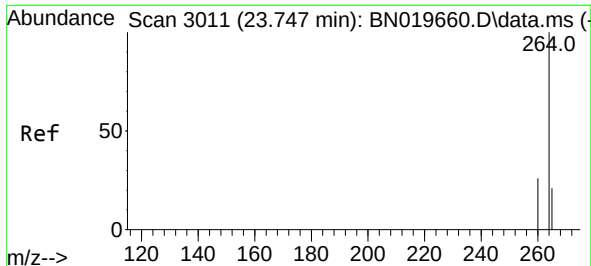
Ion Ratio Lower Upper

149 100

167 22.9 21.7 32.5

279 5.0 2.8 4.2#

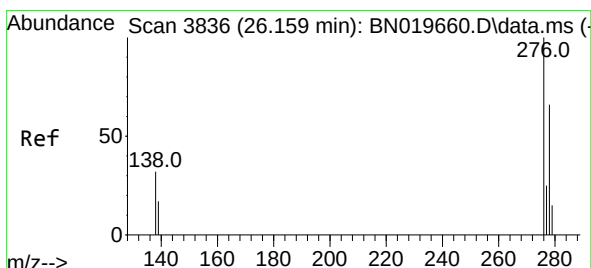
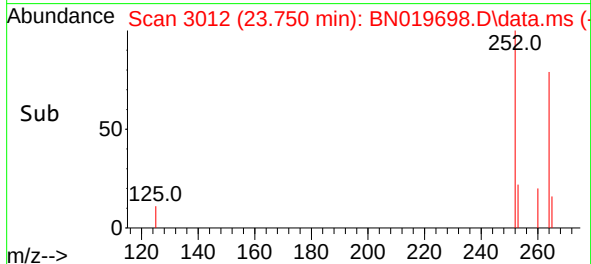
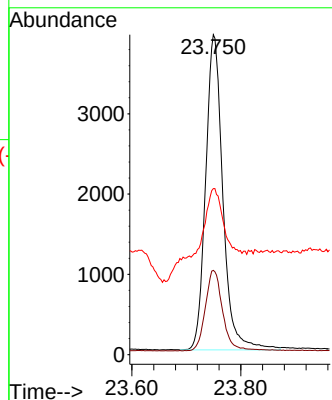
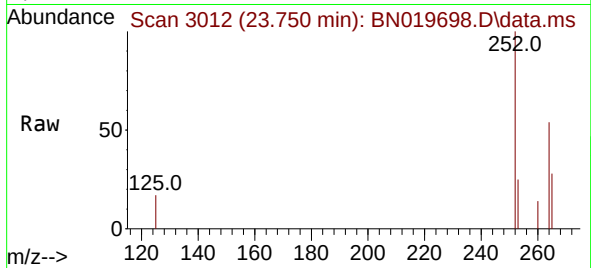




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.750 min Scan# 3011
Delta R.T. 0.003 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

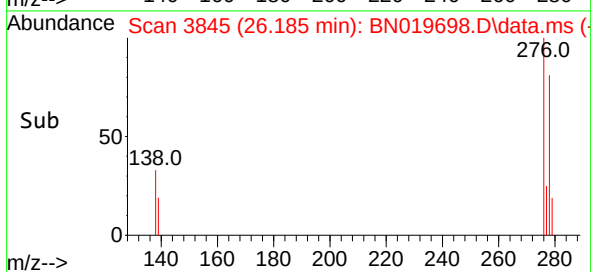
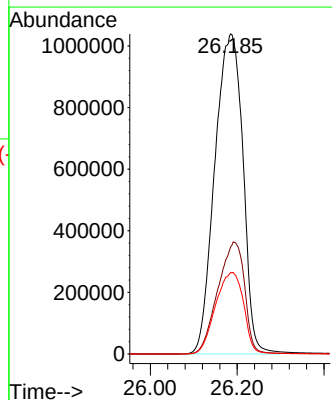
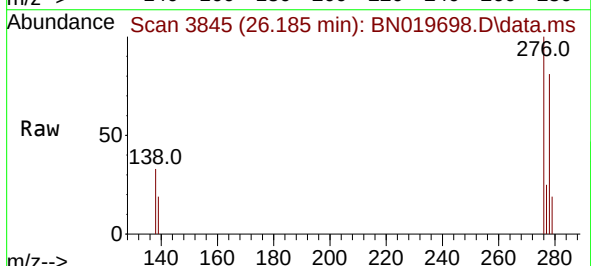
Instrument :
BNA_N
ClientSampleId :
38072-120920

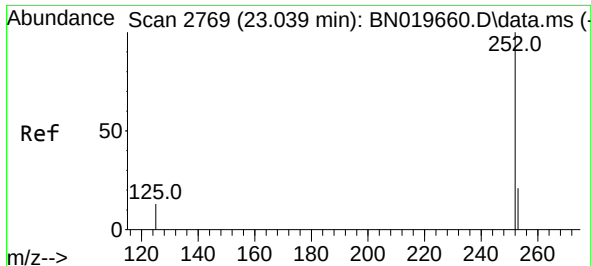
Tgt Ion:264 Resp: 8629
Ion Ratio Lower Upper
264 100
260 26.4 21.0 31.6
265 51.9 67.9 101.9#



#36
Indeno(1,2,3-cd)pyrene
Concen: 119.164 ng
RT: 26.185 min Scan# 3845
Delta R.T. 0.026 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

Tgt Ion:276 Resp: 4673309
Ion Ratio Lower Upper
276 100
138 33.3 26.6 40.0
277 25.4 20.0 30.0

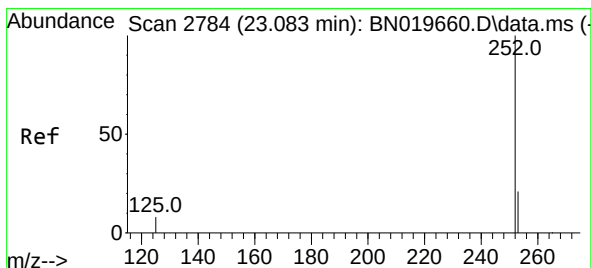
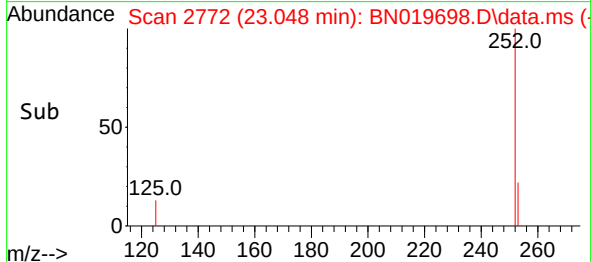
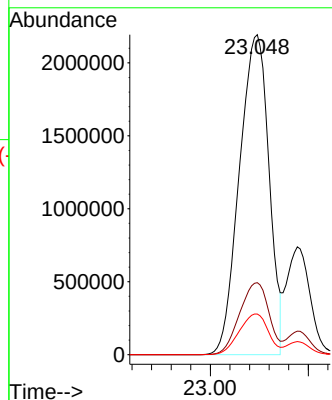
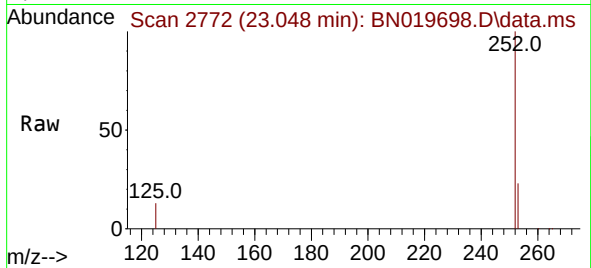




#37
Benzo(b)fluoranthene
Concen: 129.072 ng
RT: 23.048 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

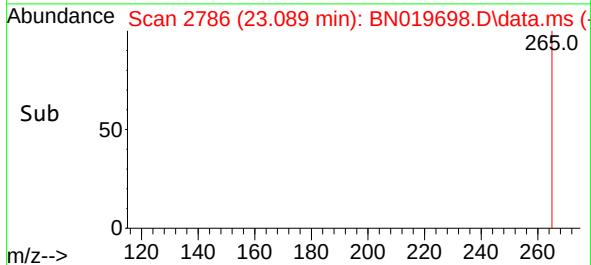
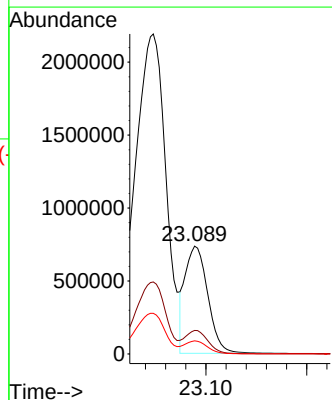
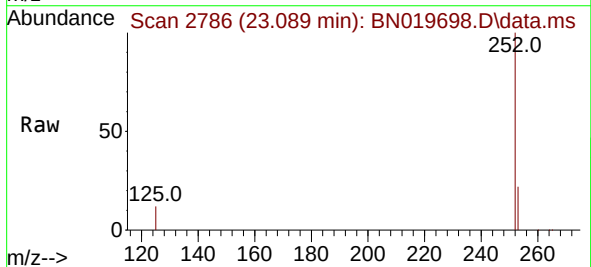
Instrument :
BNA_N
ClientSampleId :
38072-120920

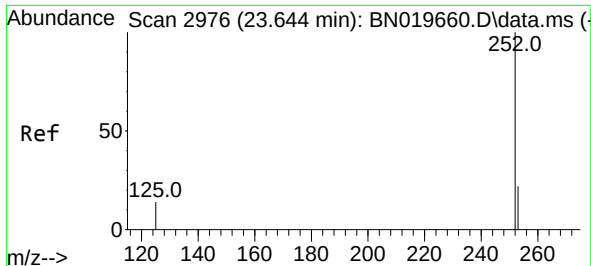
Tgt Ion:252 Resp: 4602603
Ion Ratio Lower Upper
252 100
253 22.5 21.2 31.8
125 12.7 15.9 23.9#



#38
Benzo(k)fluoranthene
Concen: 30.485 ng
RT: 23.089 min Scan# 2786
Delta R.T. 0.006 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

Tgt Ion:252 Resp: 1150658
Ion Ratio Lower Upper
252 100
253 21.9 21.7 32.5
125 12.1 17.0 25.4#

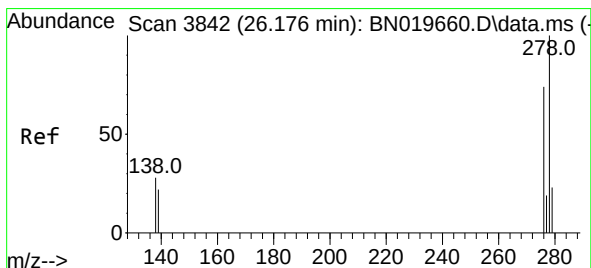
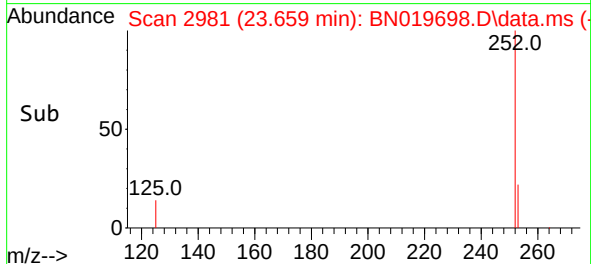
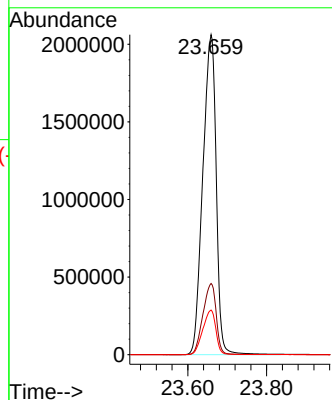
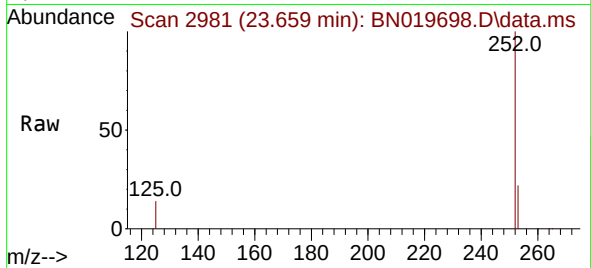




#39
Benzo(a)pyrene
Concen: 179.345 ng
RT: 23.659 min Scan# 2976
Delta R.T. 0.015 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

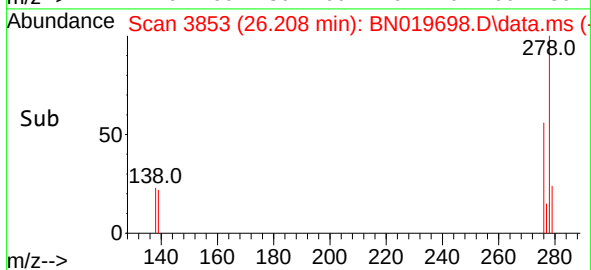
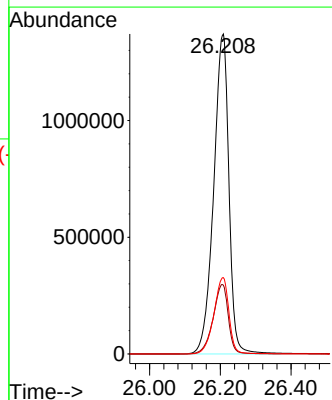
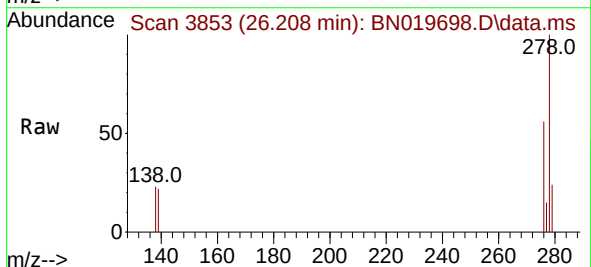
Instrument :
BNA_N
ClientSampleId :
38072-120920

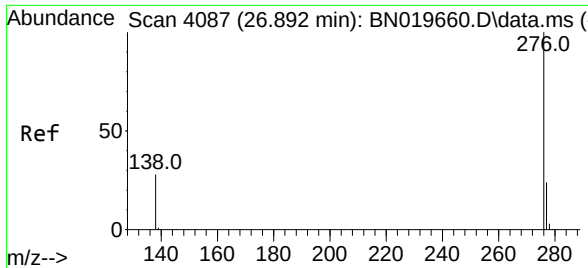
Tgt Ion:252 Resp: 4851742
Ion Ratio Lower Upper
252 100
253 22.2 23.1 34.7#
125 13.9 20.4 30.6#



#40
Dibenzo(a,h)anthracene
Concen: 128.472 ng
RT: 26.208 min Scan# 3853
Delta R.T. 0.032 min
Lab File: BN019698.D
Acq: 06 May 2022 14:01

Tgt Ion:278 Resp: 4104854
Ion Ratio Lower Upper
278 100
139 21.5 19.4 29.2
279 23.8 21.8 32.8





#41
 Benzo(g,h,i)perylene
 Concen: 19.156 ng
 RT: 26.901 min Scan# 4090
 Delta R.T. 0.009 min
 Lab File: BN019698.D
 Acq: 06 May 2022 14:01

Instrument :
 BNA_N
 ClientSampleId :
 38072-120920

Tgt Ion:276 Resp: 605805
 Ion Ratio Lower Upper
 276 100
 277 23.6 20.2 30.2
 138 27.6 23.5 35.3

