

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017669.D
 Acq On : 02 Dec 2021 04:03
 Operator : CG/JU
 Sample : M4894-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 T-5G

Quant Time: Dec 02 04:34:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 02 01:51:49 2021
 Response via : Initial Calibration

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

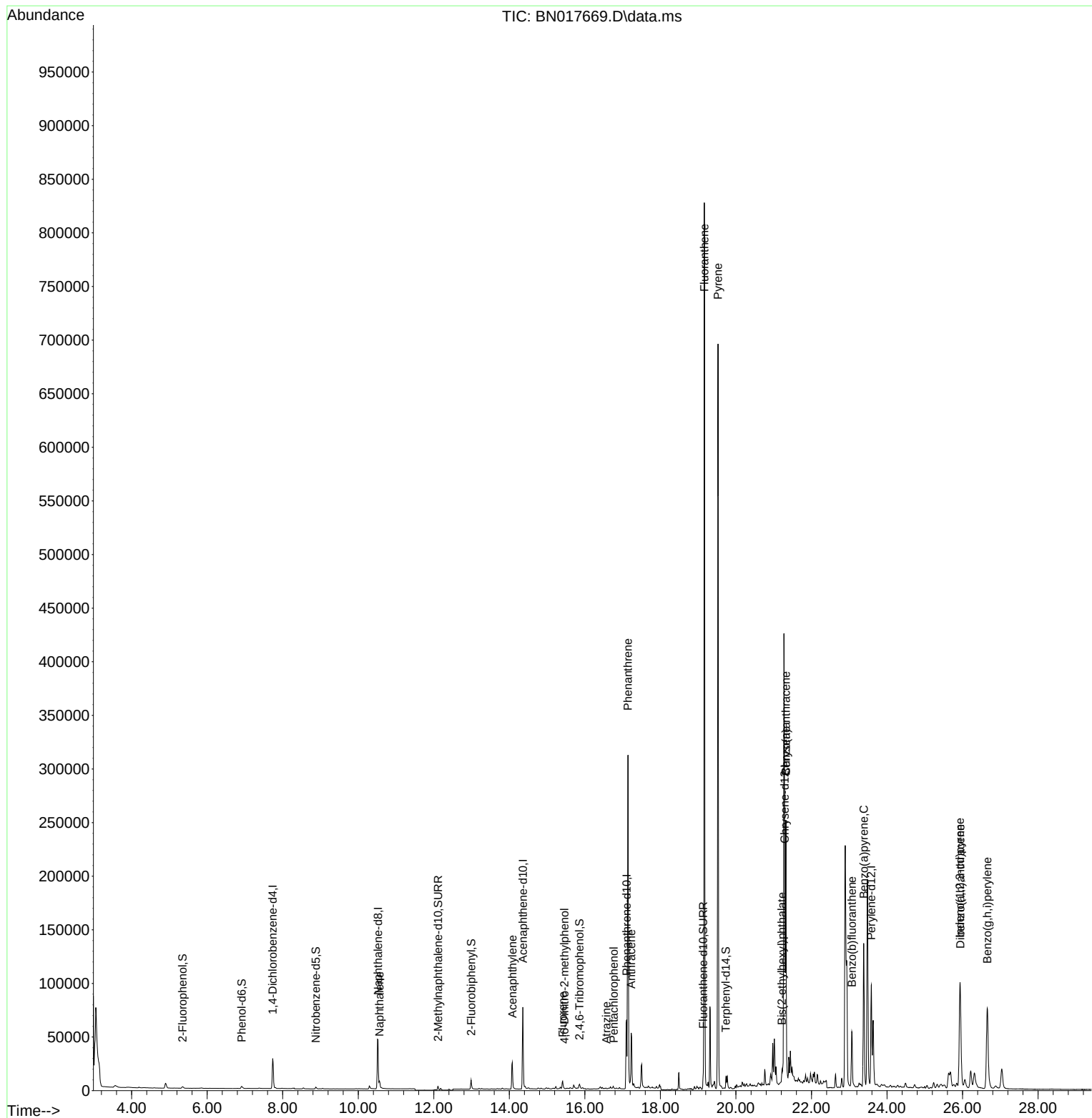
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	18427	0.400	ng	0.00
7) Naphthalene-d8	10.522	136	77711	0.400	ng	0.01
13) Acenaphthene-d10	14.359	164	47340	0.400	ng	0.00
19) Phenanthrene-d10	17.104	188	106270	0.400	ng	# 0.00
29) Chrysene-d12	21.293	240	123184	0.400	ng	# 0.01
35) Perylene-d12	23.585	264	125961	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	2237	0.053	ng	0.00
5) Phenol-d6	6.915	99	2264	0.051	ng	0.00
8) Nitrobenzene-d5	8.875	82	1889	0.057	ng	0.00
11) 2-Methylnaphthalene-d10	12.111	152	5975	0.044	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	935	0.156	ng	0.01
15) 2-Fluorobiphenyl	12.989	172	8596	0.047	ng	0.00
27) Fluoranthene-d10	19.134	212	16387	0.049	ng	0.00
31) Terphenyl-d14	19.735	244	12247	0.045	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.560	128	7910	0.040	ng	96
16) Acenaphthylene	14.080	152	34460	0.187	ng	99
18) Fluorene	15.412	166	5610	0.036	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.463	198	2	0.056	ng	# 1
23) Atrazine	16.569	200	37	0.132	ng	# 18
24) Pentachlorophenol	16.763	266	31	0.193	ng	# 50
25) Phenanthrene	17.141	178	327550	1.124	ng	100
26) Anthracene	17.226	178	69283	0.277	ng	98
28) Fluoranthene	19.164	202	743773	2.255	ng	# 97
30) Pyrene	19.526	202	629111	1.582	ng	98
32) Benzo(a)anthracene	21.325	228	226533	0.605	ng	95
33) Chrysene	21.325	228	225139	0.553	ng	98
34) Bis(2-ethylhexyl)phtha...	21.218	149	10554	0.119	ng	97
36) Indeno(1,2,3-cd)pyrene	25.933	276	186195	0.455	ng	# 90
37) Benzo(b)fluoranthene	23.068	252	52891	0.127	ng	95
39) Benzo(a)pyrene	23.383	252	189849	0.508	ng	98
40) Dibenzo(a,h)anthracene	25.944	278	33582	0.100	ng	97
41) Benzo(g,h,i)perylene	26.656	276	175602	0.511	ng	# 94

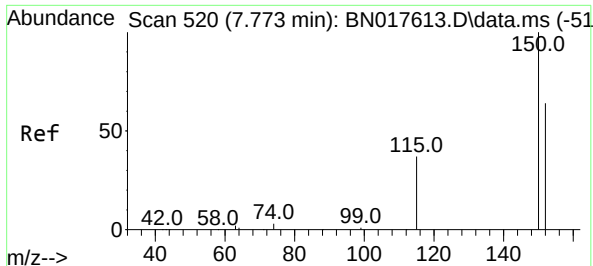
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 02 01:51:49 2021
Response via : Initial Calibration

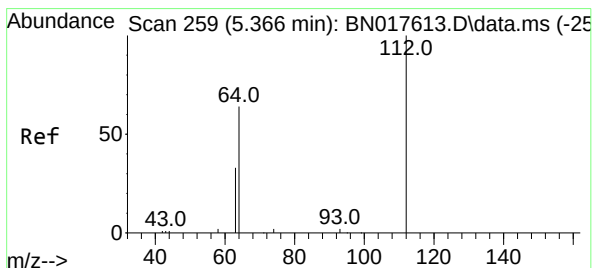
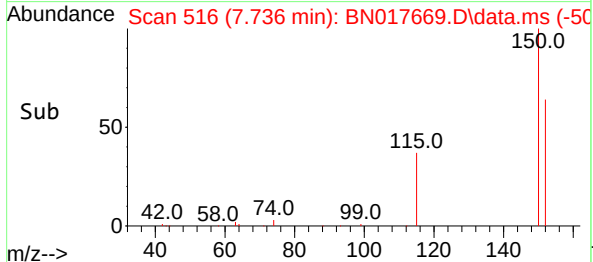
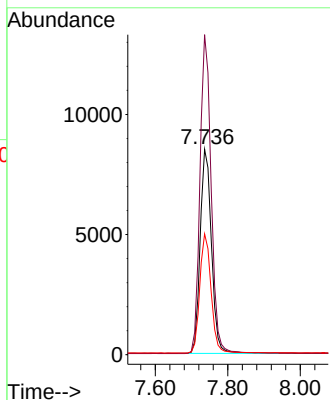
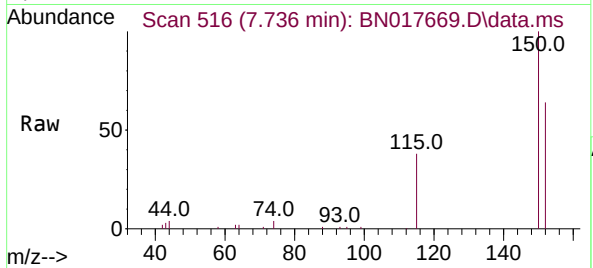




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

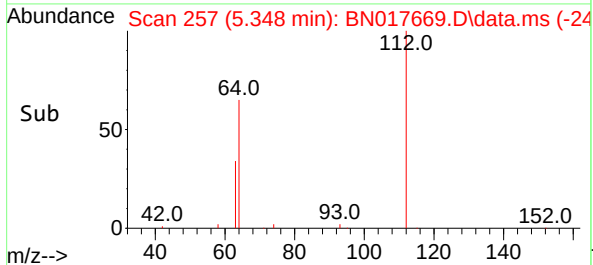
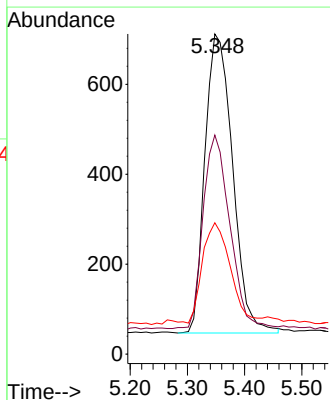
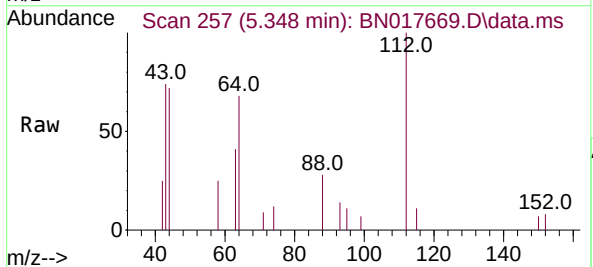
Instrument :
BNA_N
ClientSampleId :
T-5G

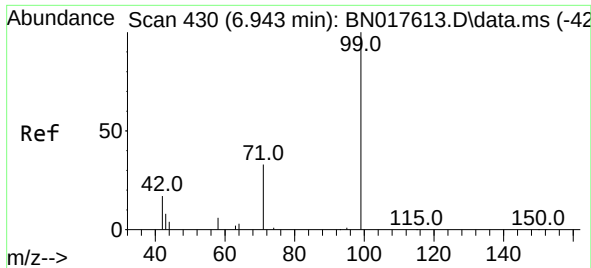
Tgt Ion:152 Resp: 18427
Ion Ratio Lower Upper
152 100
150 155.7 123.0 184.4
115 58.8 45.6 68.4



#4
2-Fluorophenol
Concen: 0.053 ng
RT: 5.348 min Scan# 257
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion:112 Resp: 2237
Ion Ratio Lower Upper
112 100
64 62.3 47.6 71.4
63 32.8 24.6 37.0

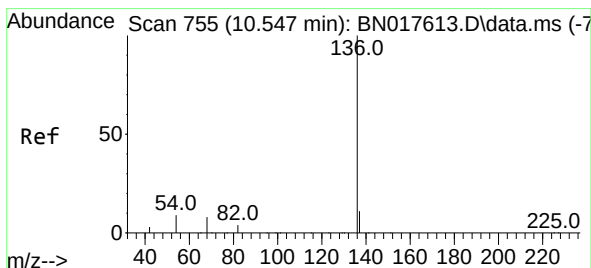
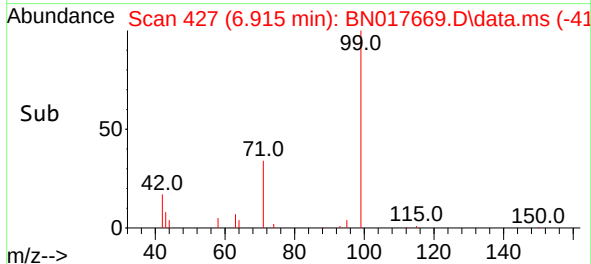
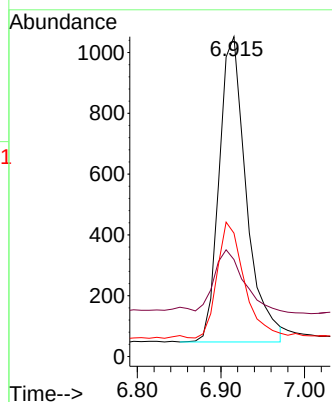
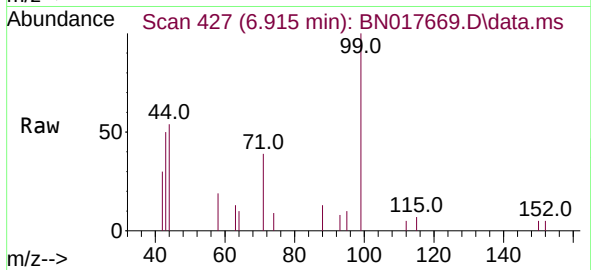




#5
Phenol-d6
Concen: 0.051 ng
RT: 6.915 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

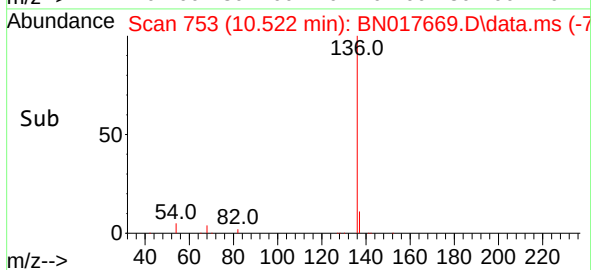
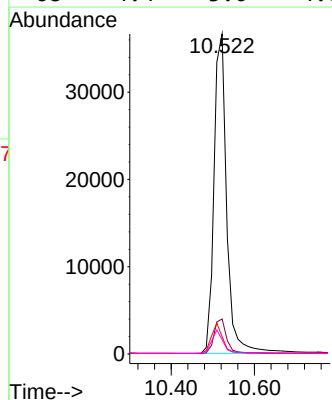
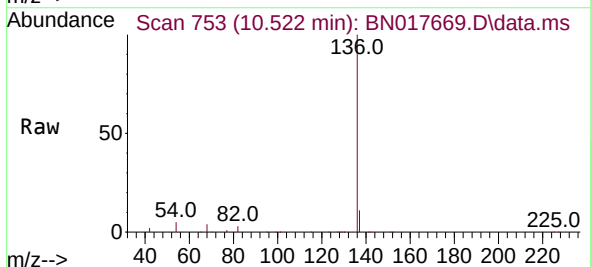
Instrument :
BNA_N
ClientSampleId :
T-5G

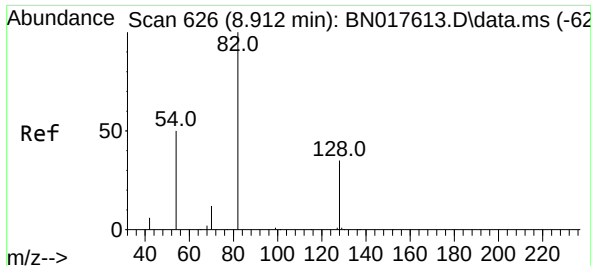
Tgt Ion: 99 Resp: 2264
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 37.9 24.8 37.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 753
Delta R.T. 0.013 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion: 136 Resp: 77711
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 5.3 4.0 6.0
68 4.4 3.0 4.6

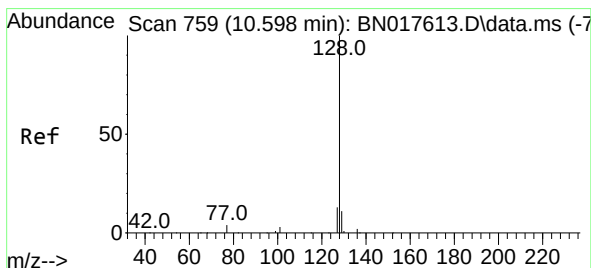
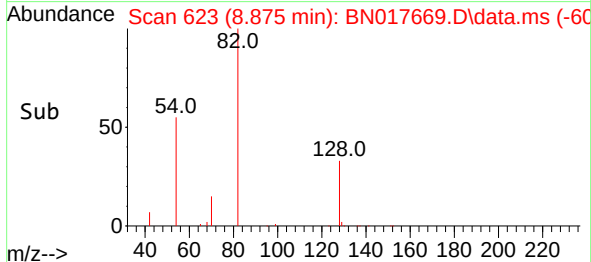
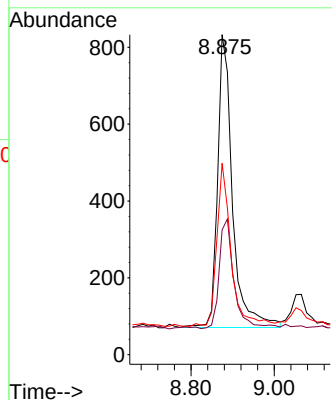
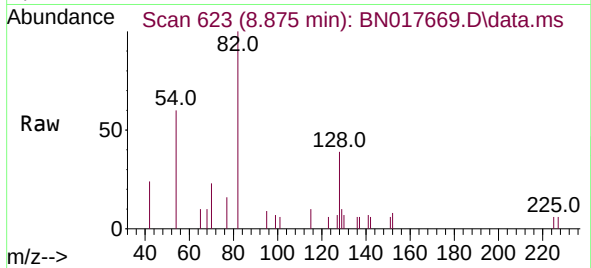




#8
Nitrobenzene-d5
Concen: 0.057 ng
RT: 8.875 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

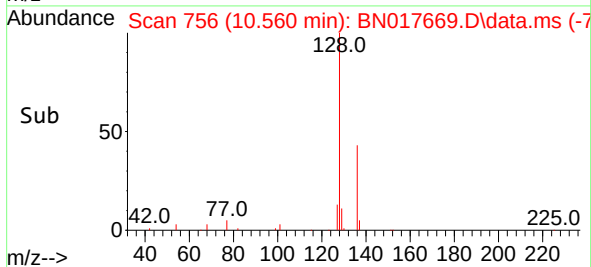
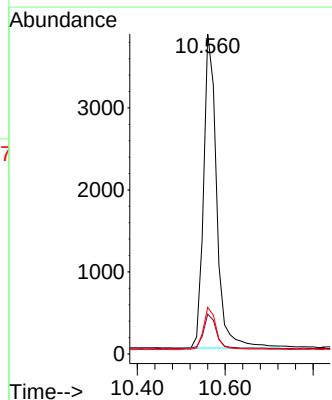
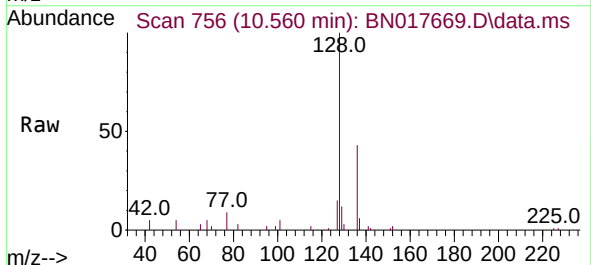
Instrument :
BNA_N
ClientSampleId :
T-5G

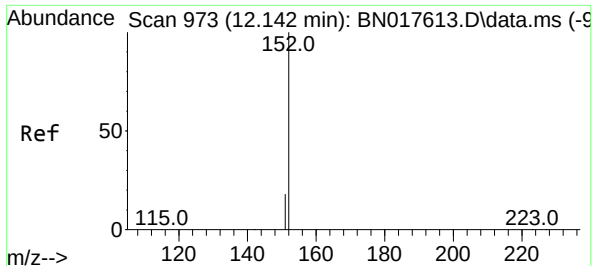
Tgt Ion: 82 Resp: 1889
Ion Ratio Lower Upper
82 100
128 39.0 27.7 41.5
54 59.8 49.2 73.8



#9
Naphthalene
Concen: 0.040 ng
RT: 10.560 min Scan# 756
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion: 128 Resp: 7910
Ion Ratio Lower Upper
128 100
129 12.4 8.8 13.2
127 14.6 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.044 ng

RT: 12.111 min Scan# 9

Delta R.T. 0.005 min

Lab File: BN017669.D

Acq: 02 Dec 2021 04:03

Instrument :

BNA_N

ClientSampleId :

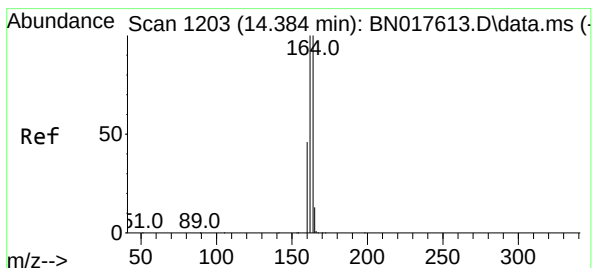
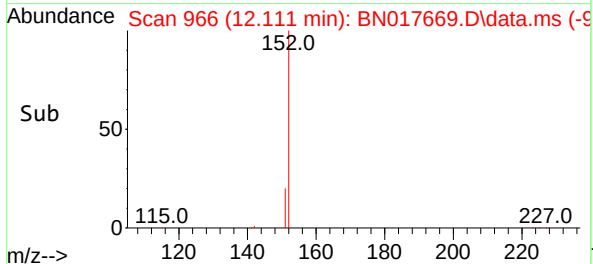
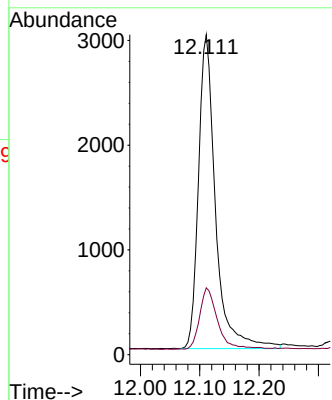
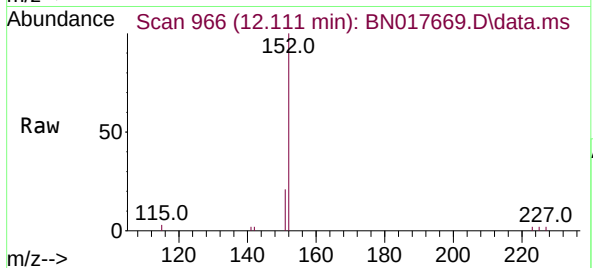
T-5G

Tgt Ion:152 Resp: 5975

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.359 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BN017669.D

Acq: 02 Dec 2021 04:03

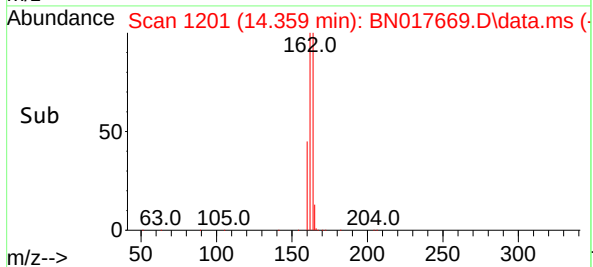
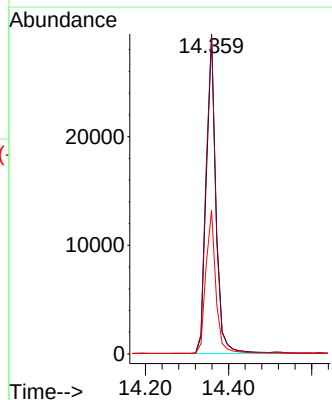
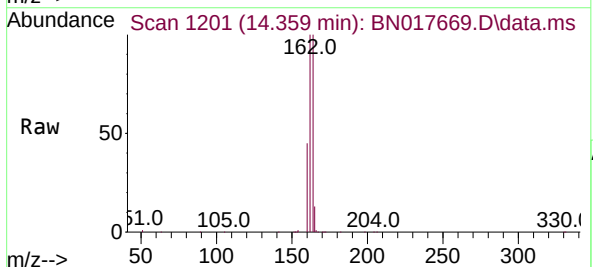
Tgt Ion:164 Resp: 47340

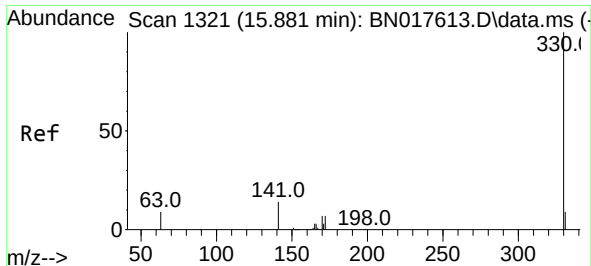
Ion Ratio Lower Upper

164 100

162 100.2 81.4 122.2

160 44.9 36.8 55.2

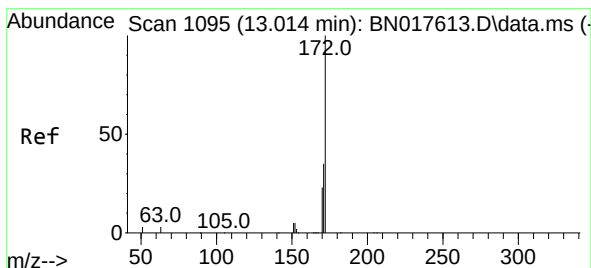
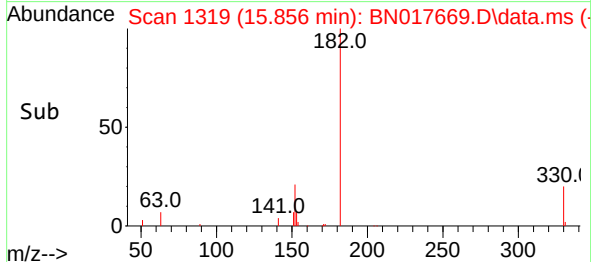
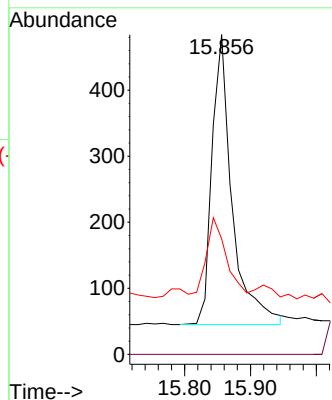
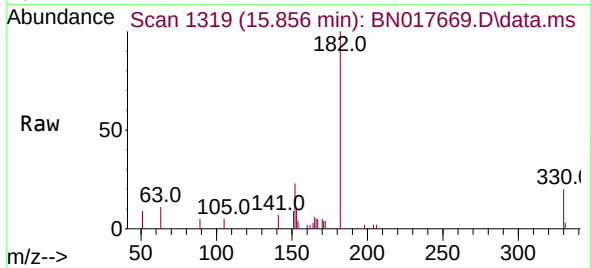




#14
2,4,6-Tribromophenol
Concen: 0.156 ng
RT: 15.856 min Scan# 11
Delta R.T. 0.013 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

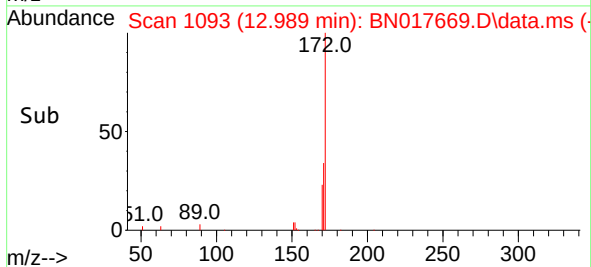
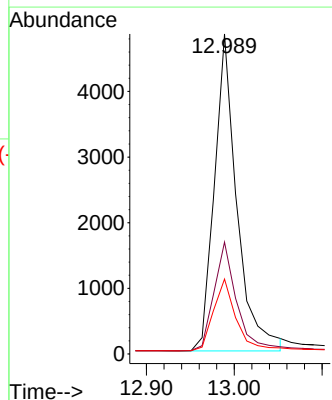
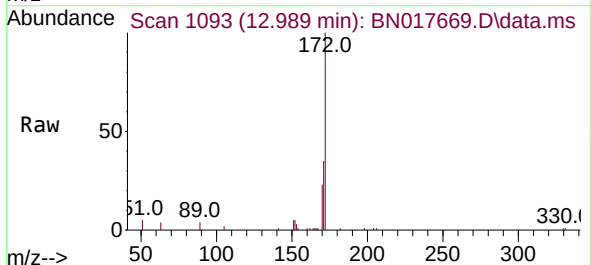
Instrument :
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ClientSampleId :
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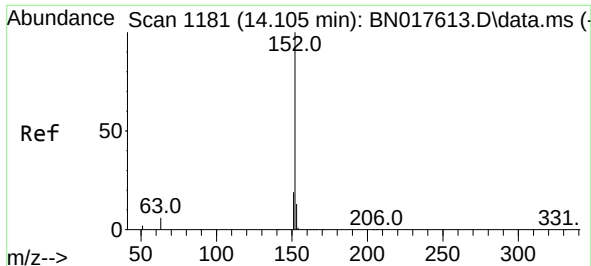
Tgt Ion:330 Resp: 935
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 28.6 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.047 ng
RT: 12.989 min Scan# 1093
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion:172 Resp: 8596
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 23.4 19.4 29.2

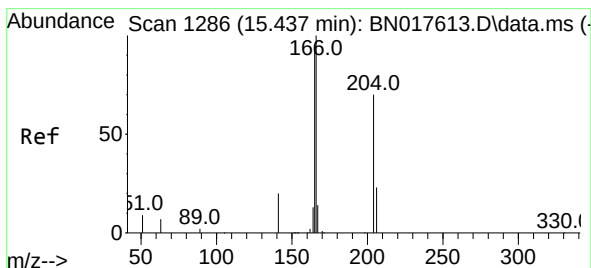
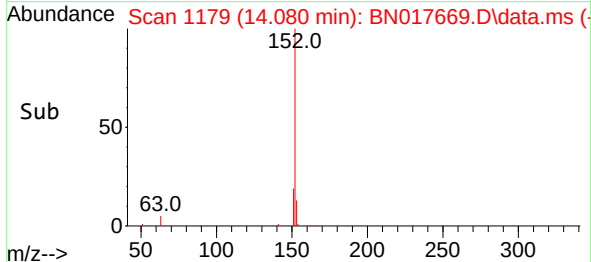
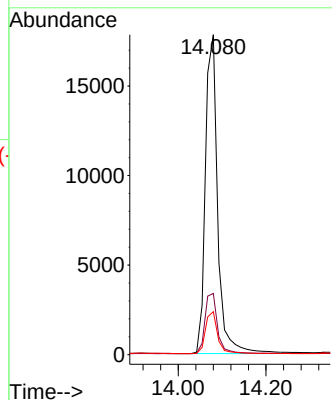
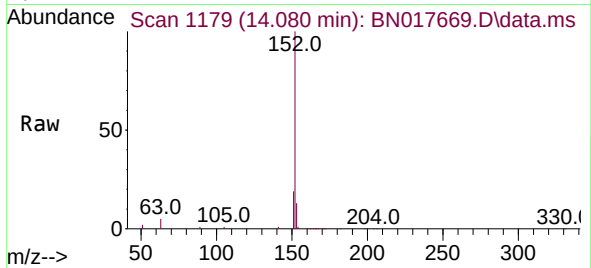




#16
Acenaphthylene
Concen: 0.187 ng
RT: 14.080 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

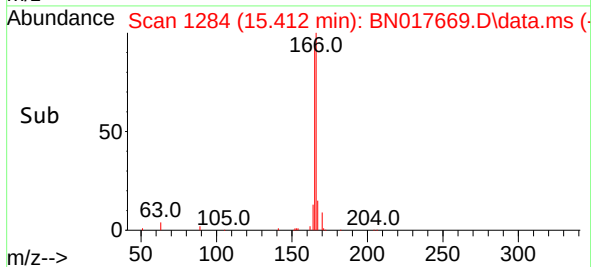
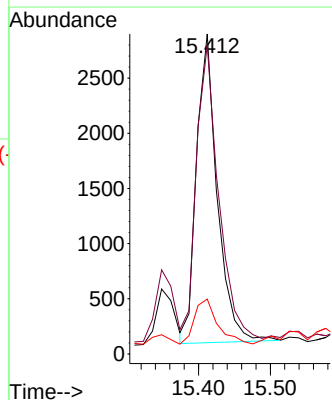
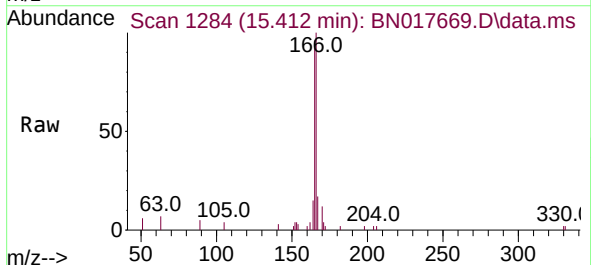
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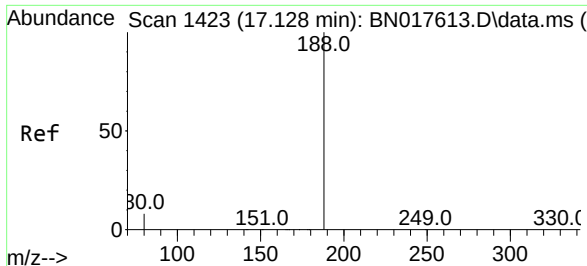
Tgt Ion:152 Resp: 34460
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 13.2 10.4 15.6



#18
Fluorene
Concen: 0.036 ng
RT: 15.412 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion:166 Resp: 5610
Ion Ratio Lower Upper
166 100
165 102.5 77.9 116.9
167 16.5 10.9 16.3

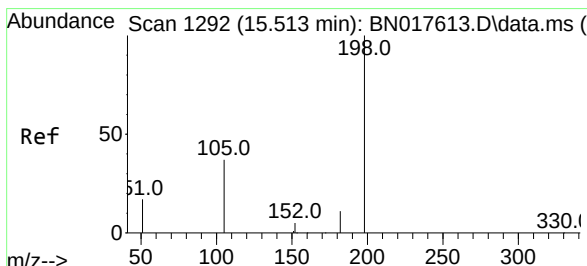
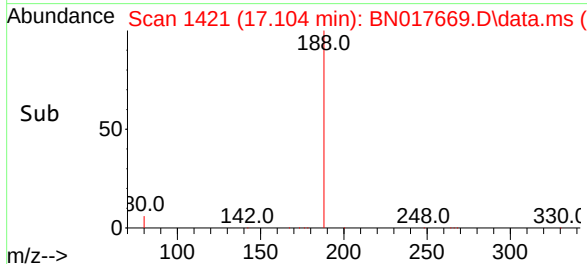
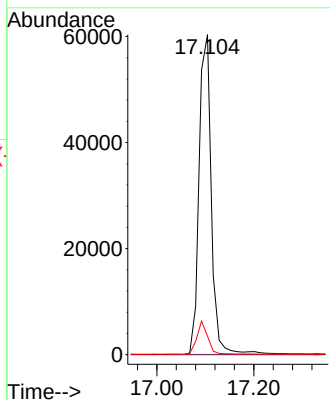
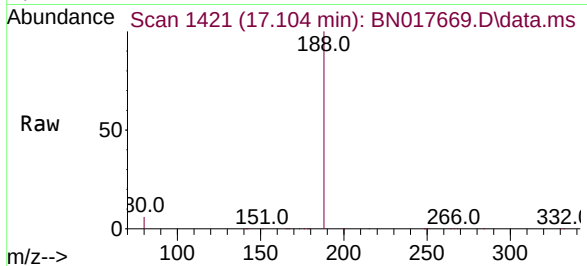




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

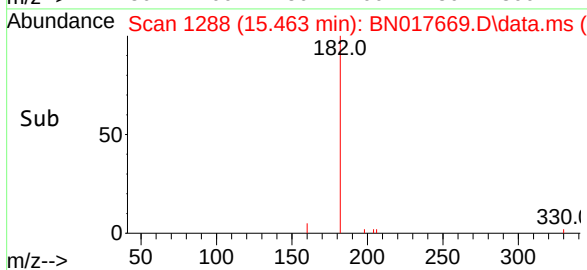
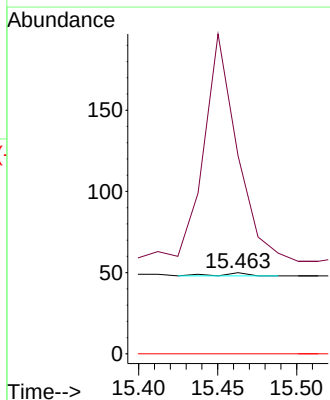
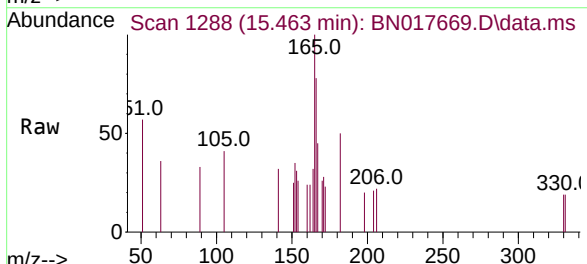
Instrument :
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ClientSampleId :
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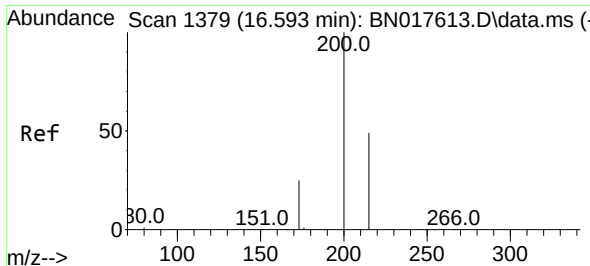
Tgt Ion:188 Resp: 106270
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.8 6.1 9.1#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.056 ng
RT: 15.463 min Scan# 1288
Delta R.T. -0.025 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
182 244.0 11.4 17.2#
77 0.0 0.0 0.0

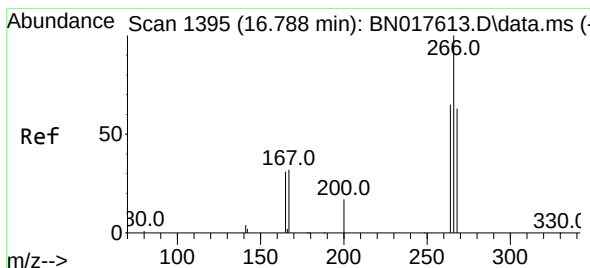
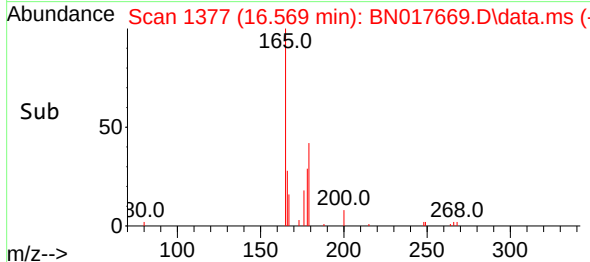
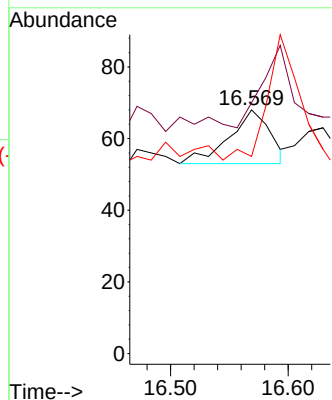
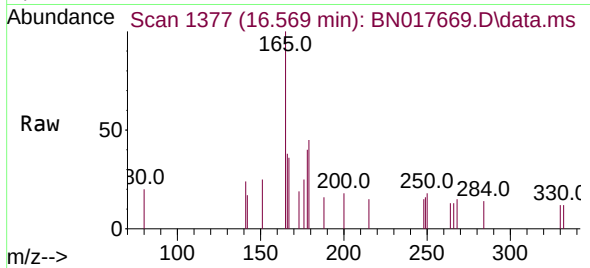




#23
 Atrazine
 Concen: 0.132 ng
 RT: 16.569 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN017669.D
 Acq: 02 Dec 2021 04:03

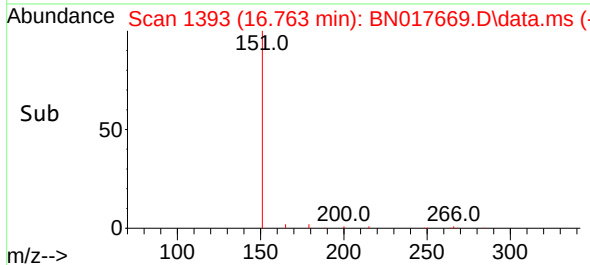
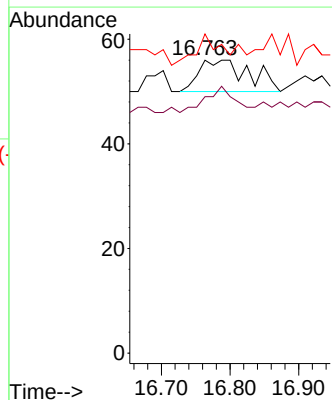
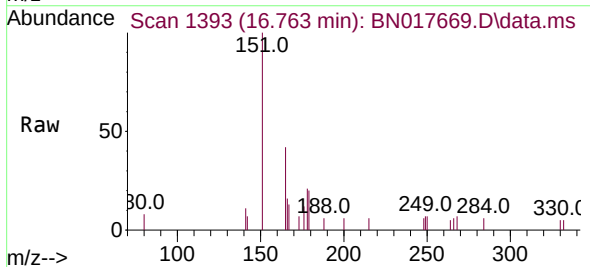
Instrument :
 BNA_N
 ClientSampleId :
 T-5G

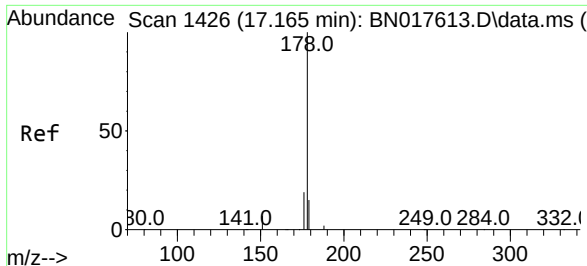
Tgt Ion:200 Resp: 37
 Ion Ratio Lower Upper
 200 100
 173 102.9 17.6 26.4#
 215 80.9 40.2 60.4#



#24
 Pentachlorophenol
 Concen: 0.193 ng
 RT: 16.763 min Scan# 1393
 Delta R.T. 0.000 min
 Lab File: BN017669.D
 Acq: 02 Dec 2021 04:03

Tgt Ion:266 Resp: 31
 Ion Ratio Lower Upper
 266 100
 264 0.0 49.8 74.8#
 268 48.4 51.3 76.9#

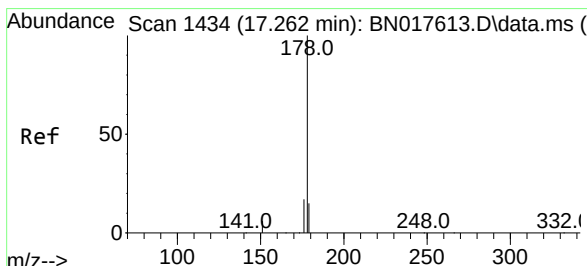
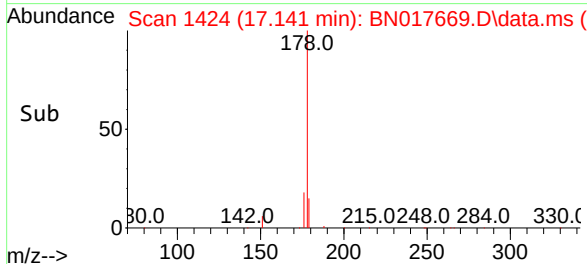
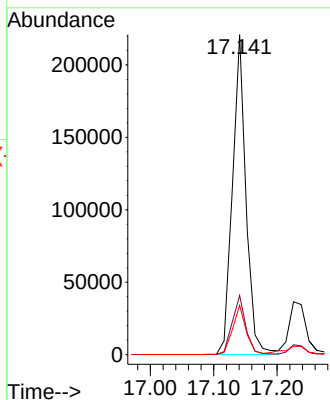
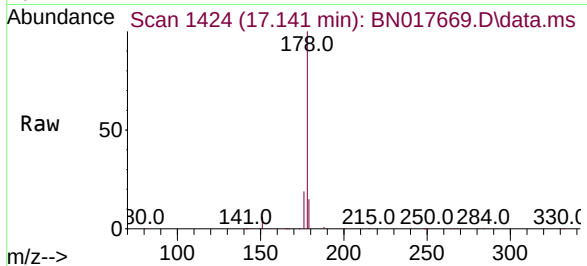




#25
Phenanthrene
Concen: 1.124 ng
RT: 17.141 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

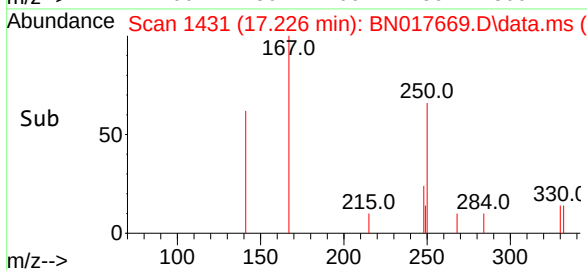
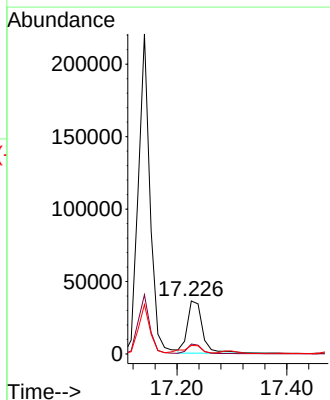
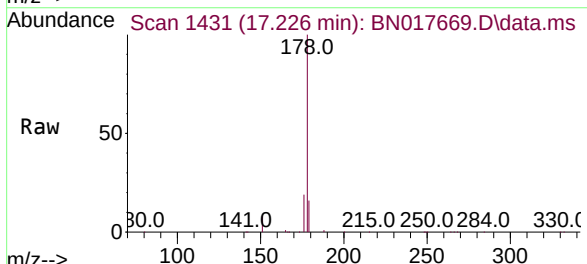
Instrument :
BNA_N
ClientSampleId :
T-5G

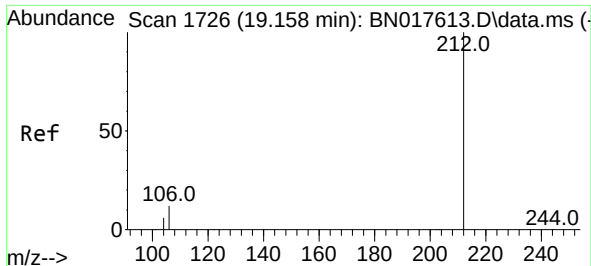
Tgt Ion:178 Resp: 327550
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.3 12.3 18.5



#26
Anthracene
Concen: 0.277 ng
RT: 17.226 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion:178 Resp: 69283
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 16.9 12.2 18.4

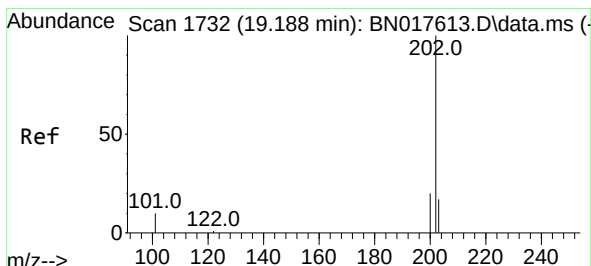
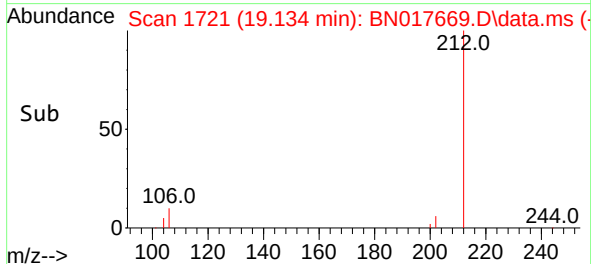
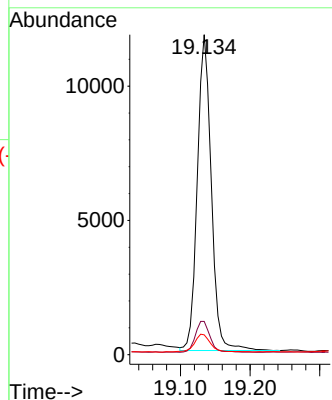
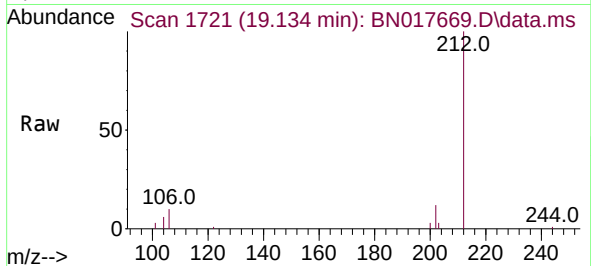




#27
Fluoranthene-d10
Concen: 0.049 ng
RT: 19.134 min Scan# 1721
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

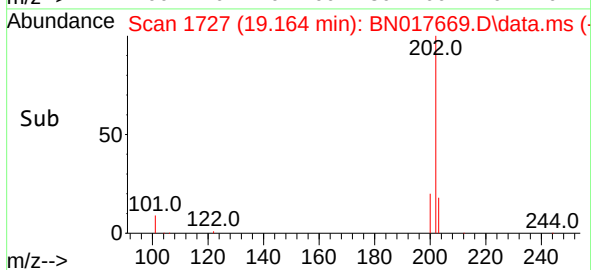
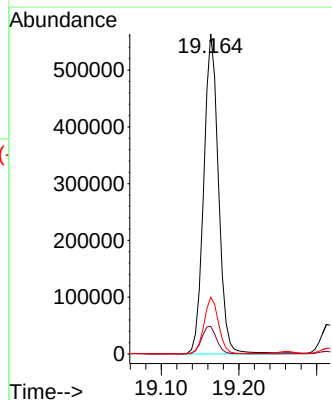
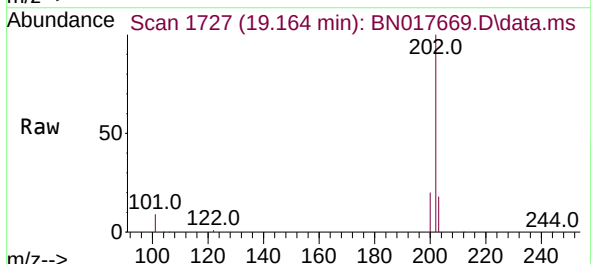
Instrument :
BNA_N
ClientSampleId :
T-5G

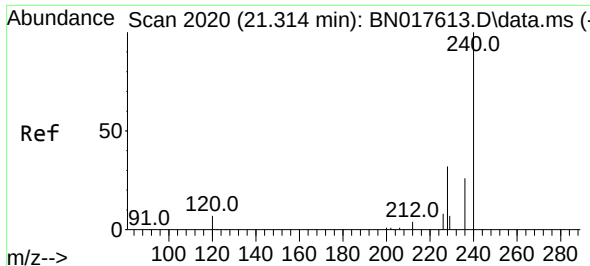
Tgt Ion:212 Resp: 16387
Ion Ratio Lower Upper
212 100
106 10.2 10.5 15.7#
104 6.6 5.8 8.6



#28
Fluoranthene
Concen: 2.255 ng
RT: 19.164 min Scan# 1727
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion:202 Resp: 743773
Ion Ratio Lower Upper
202 100
101 8.9 8.9 13.3#
203 17.5 13.8 20.6

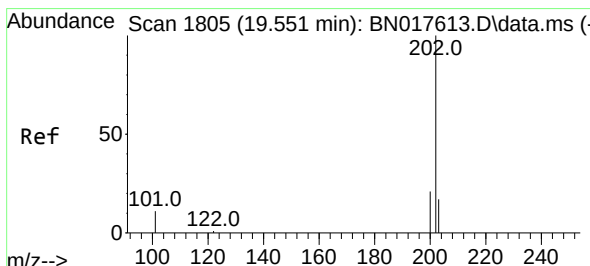
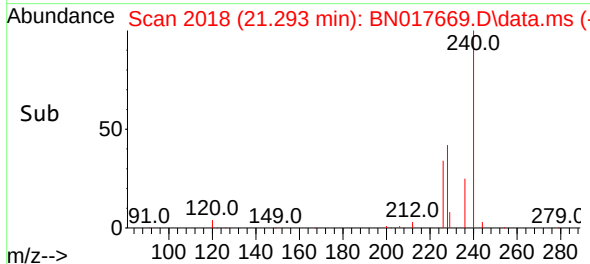
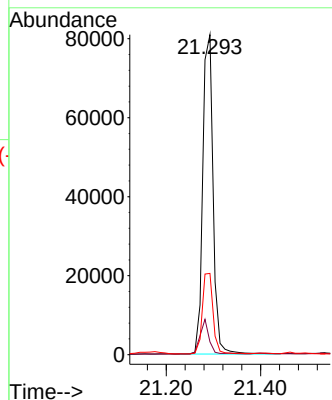
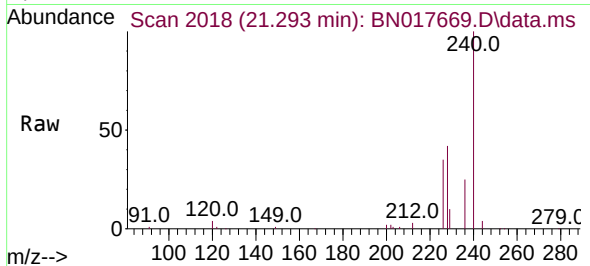




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 20
Delta R.T. 0.011 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

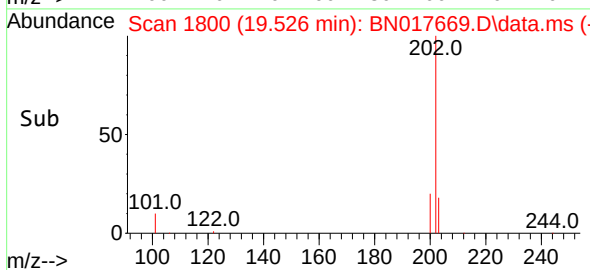
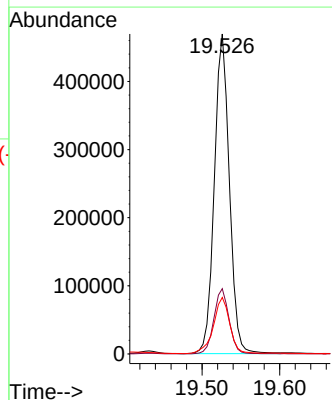
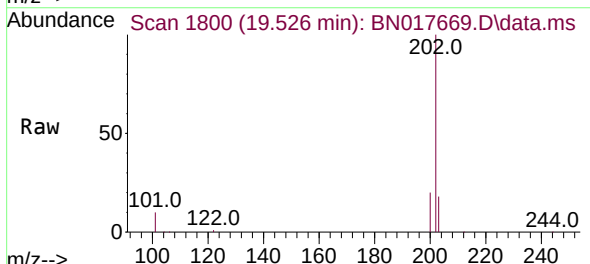
Instrument :
BNA_N
ClientSampleId :
T-5G

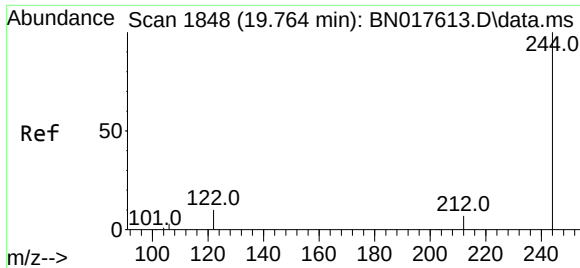
Tgt Ion:240 Resp: 123184
Ion Ratio Lower Upper
240 100
120 4.0 4.2 6.2#
236 25.4 20.0 30.0



#30
Pyrene
Concen: 1.582 ng
RT: 19.526 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion:202 Resp: 629111
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 19.2 14.0 21.0

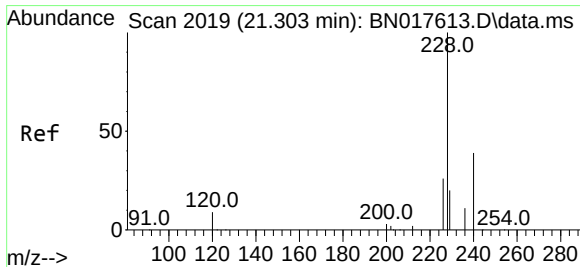
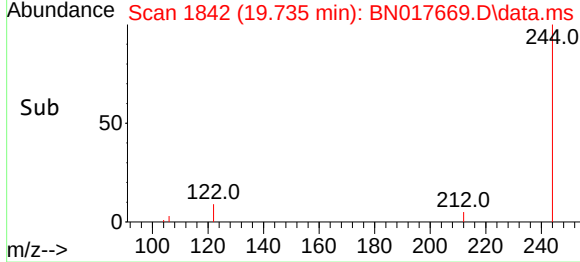
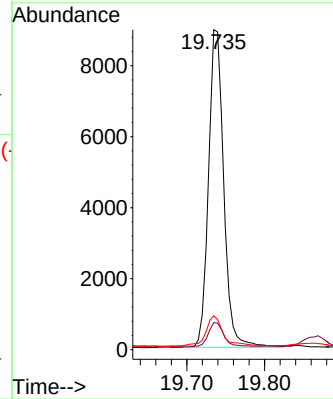
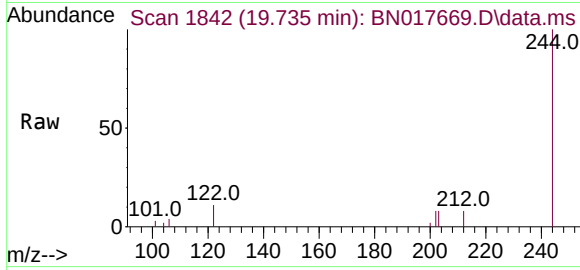




#31
 Terphenyl-d14
 Concen: 0.045 ng
 RT: 19.735 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN017669.D
 Acq: 02 Dec 2021 04:03

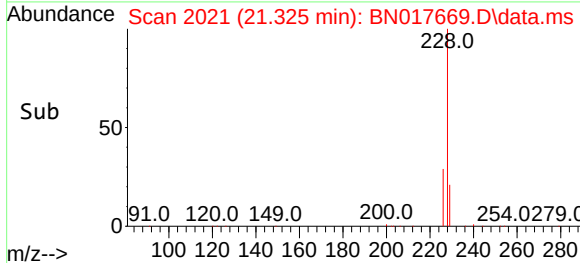
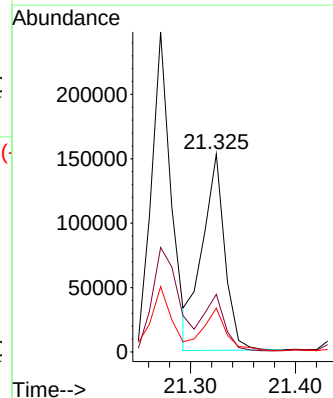
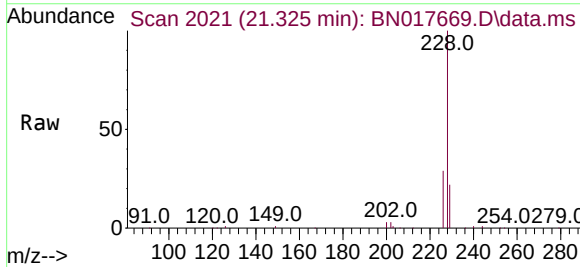
Instrument :
 BNA_N
 ClientSampleId :
 T-5G

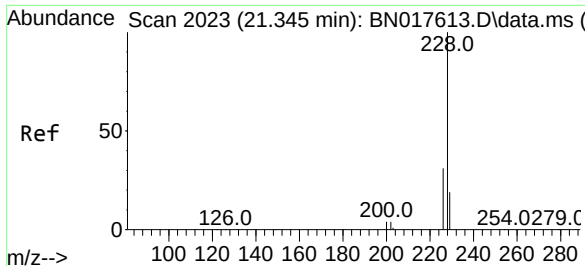
Tgt Ion:244 Resp: 12247
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.7 8.5
 122 10.6 8.6 13.0



#32
 Benzo(a)anthracene
 Concen: 0.605 ng
 RT: 21.325 min Scan# 2021
 Delta R.T. 0.053 min
 Lab File: BN017669.D
 Acq: 02 Dec 2021 04:03

Tgt Ion:228 Resp: 226533
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.3 31.9
 229 22.2 15.7 23.5





#33

Chrysene

Concen: 0.553 ng

RT: 21.325 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BN017669.D

Acq: 02 Dec 2021 04:03

Instrument :

BNA_N

ClientSampleId :

T-5G

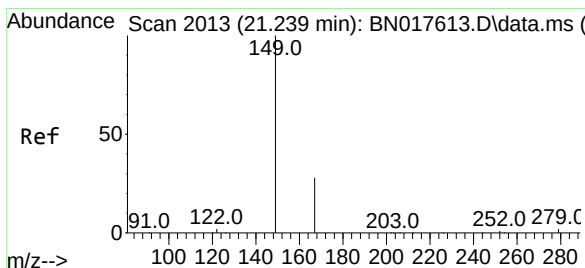
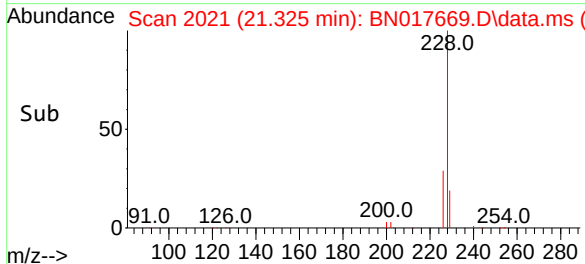
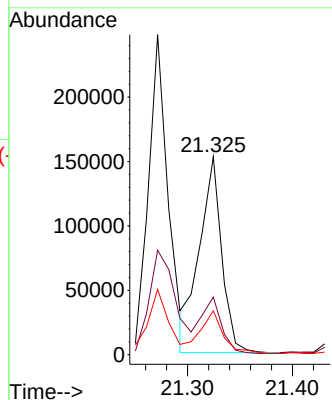
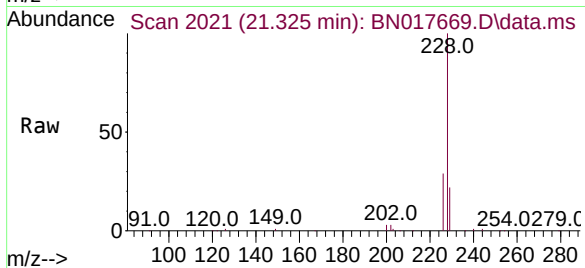
Tgt Ion:228 Resp: 225139

Ion Ratio Lower Upper

228 100

226 29.1 23.3 34.9

229 22.2 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.119 ng

RT: 21.218 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BN017669.D

Acq: 02 Dec 2021 04:03

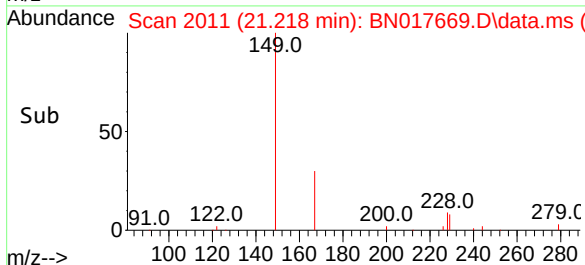
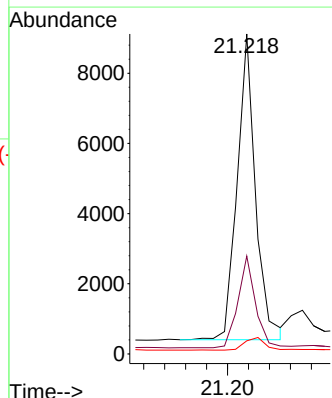
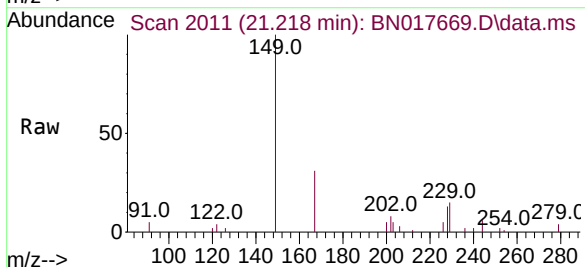
Tgt Ion:149 Resp: 10554

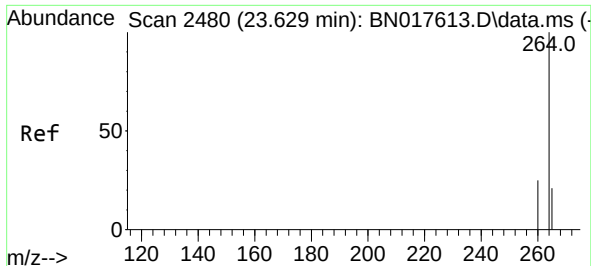
Ion Ratio Lower Upper

149 100

167 28.8 21.8 32.6

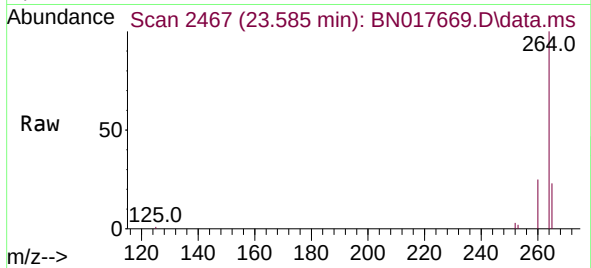
279 5.0 3.4 5.0



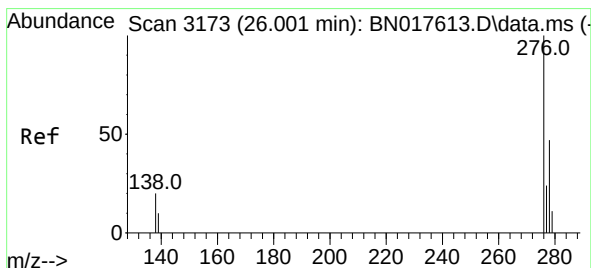
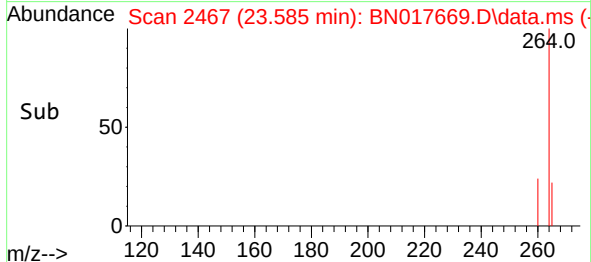
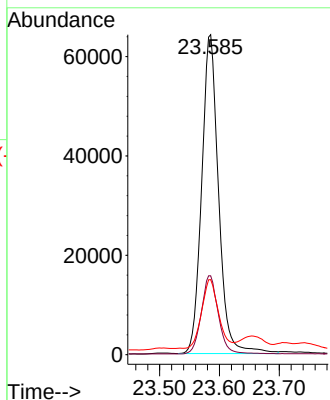


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.585 min Scan# 2480
 Delta R.T. 0.004 min
 Lab File: BN017669.D
 Acq: 02 Dec 2021 04:03

Instrument :
 BNA_N
 ClientSampleId :
 T-5G

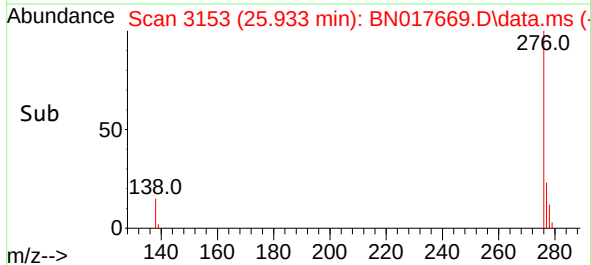
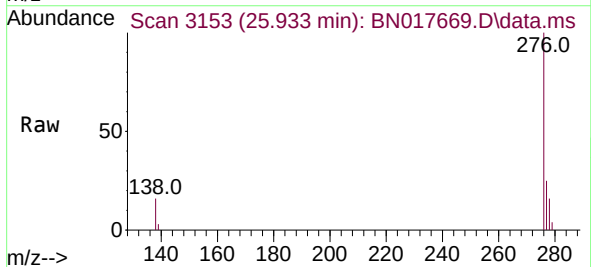
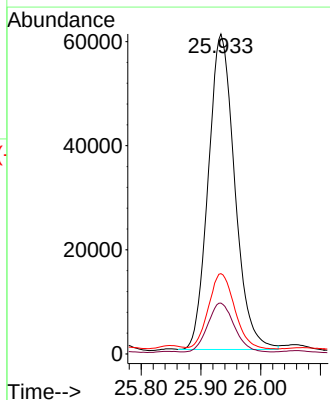


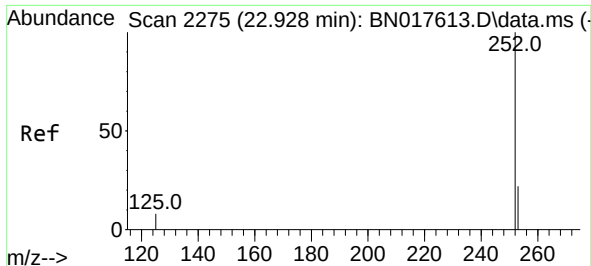
Tgt Ion:264 Resp: 125961
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.4 29.2
 265 23.4 18.6 28.0



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.455 ng
 RT: 25.933 min Scan# 3153
 Delta R.T. -0.007 min
 Lab File: BN017669.D
 Acq: 02 Dec 2021 04:03

Tgt Ion:276 Resp: 186195
 Ion Ratio Lower Upper
 276 100
 138 15.4 19.7 29.5#
 277 23.7 20.0 30.0

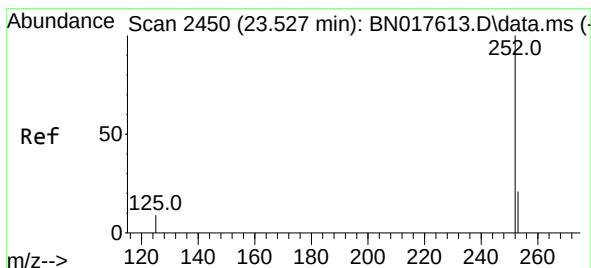
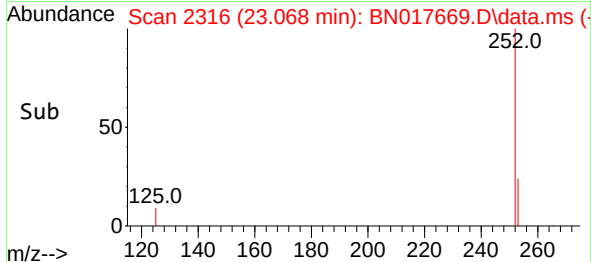
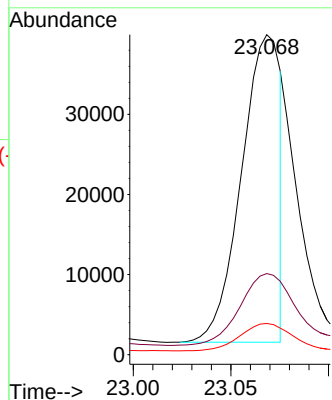
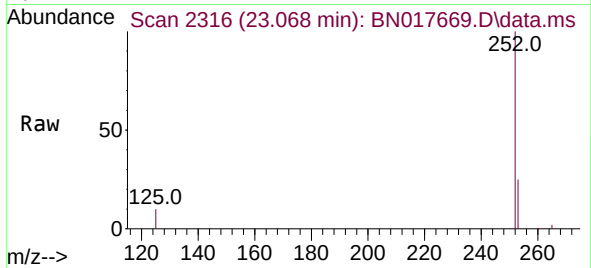




#37
Benzo(b)fluoranthene
Concen: 0.127 ng
RT: 23.068 min Scan# 21
Delta R.T. 0.182 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

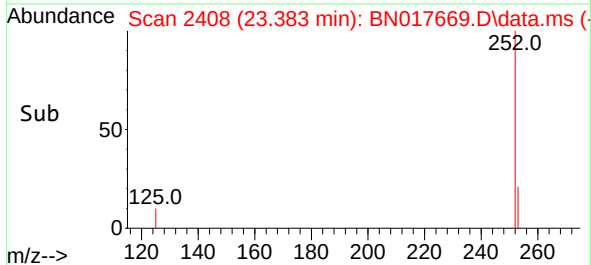
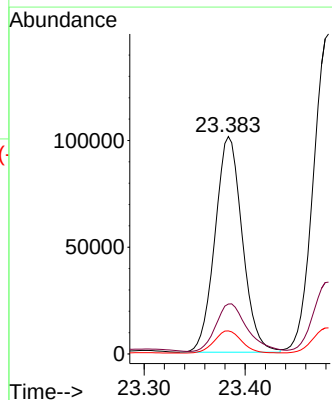
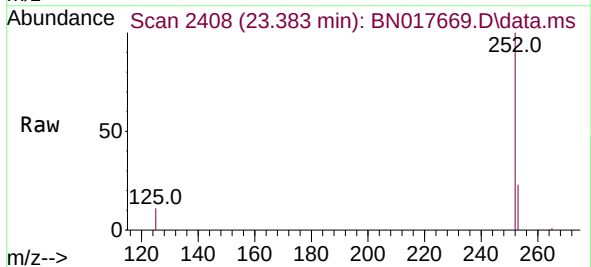
Instrument :
BNA_N
ClientSampleId :
T-5G

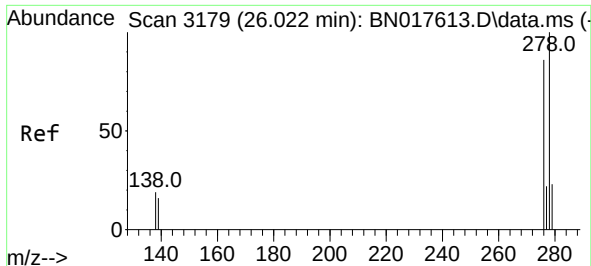
Tgt Ion:252 Resp: 52891
Ion Ratio Lower Upper
252 100
253 25.4 17.7 26.5
125 9.7 7.8 11.8



#39
Benzo(a)pyrene
Concen: 0.508 ng
RT: 23.383 min Scan# 2408
Delta R.T. -0.096 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion:252 Resp: 189849
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 10.6 9.2 13.8

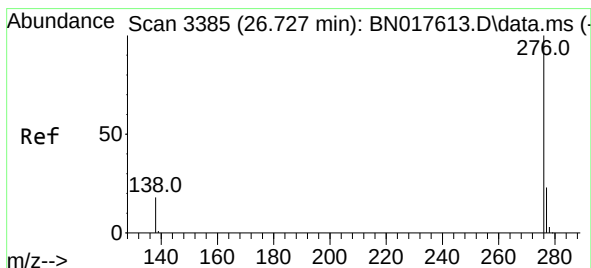
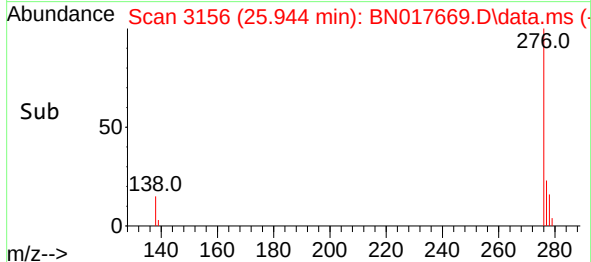
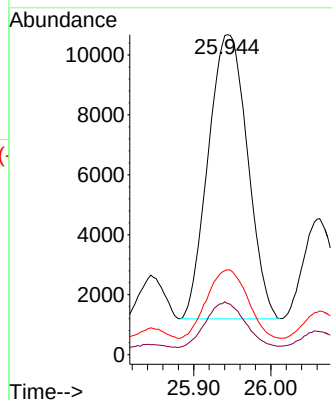
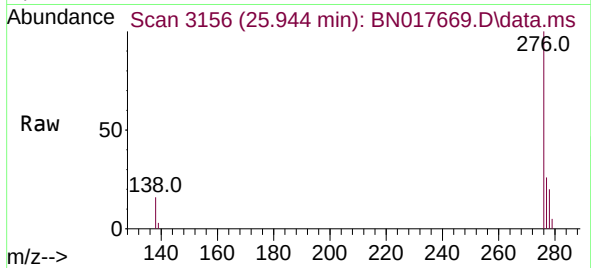




#40
Dibenzo(a,h)anthracene
Concen: 0.100 ng
RT: 25.944 min Scan# 3179
Delta R.T. -0.010 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Instrument :
BNA_N
ClientSampleId :
T-5G

Tgt Ion:278 Resp: 33582
Ion Ratio Lower Upper
278 100
139 16.0 13.0 19.6
279 26.5 19.2 28.8



#41
Benzo(g,h,i)perylene
Concen: 0.511 ng
RT: 26.656 min Scan# 3364
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion:276 Resp: 175602
Ion Ratio Lower Upper
276 100
277 24.9 19.0 28.4
138 16.5 17.1 25.7#

