

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017679.D
 Acq On : 02 Dec 2021 10:03
 Operator : CG/JU
 Sample : M4895-08RE 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 02 10:35:42 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

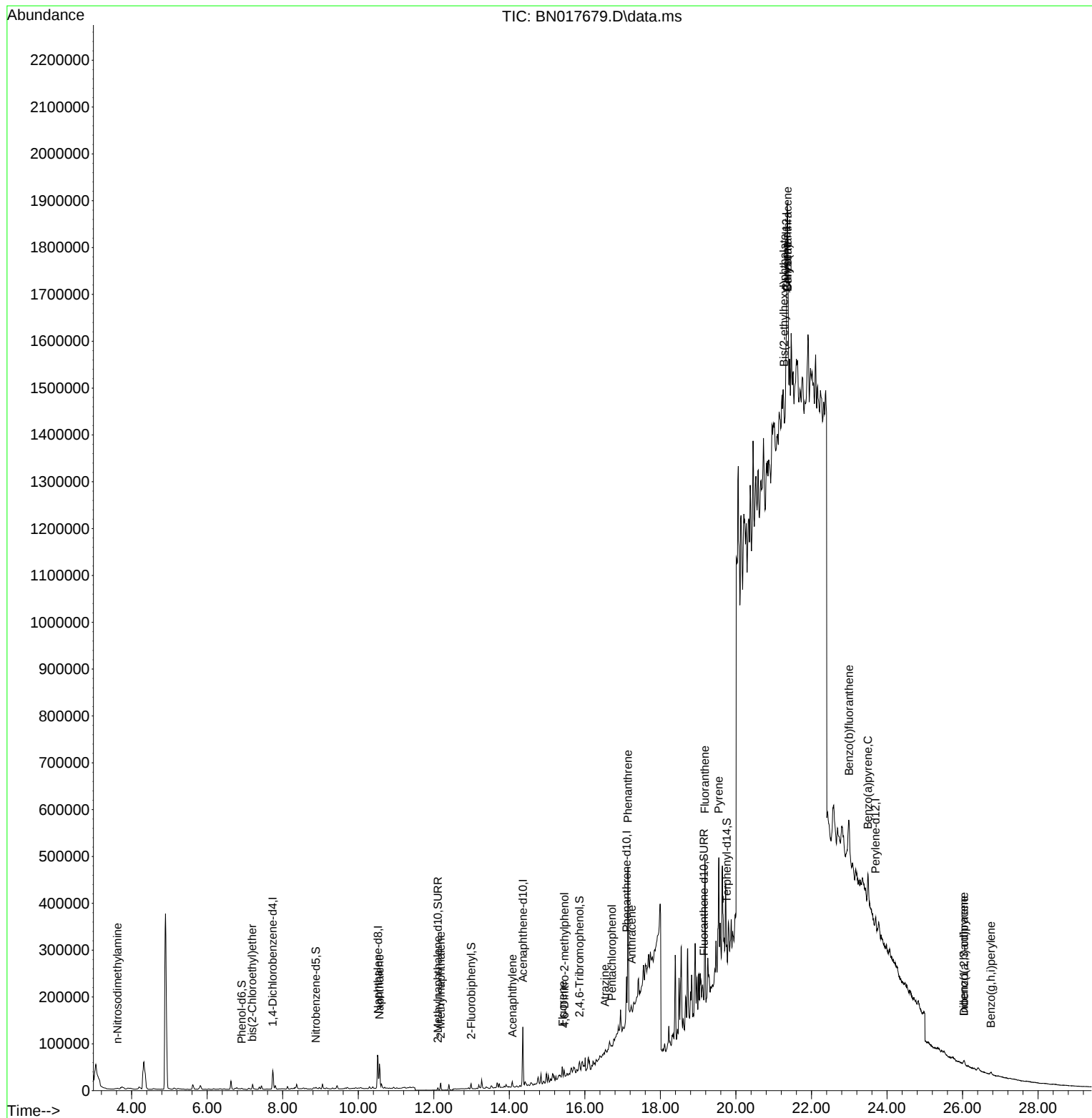
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	22276	0.400	ng	0.00
7) Naphthalene-d8	10.522	136	102150	0.400	ng	# 0.01
13) Acenaphthene-d10	14.359	164	71358	0.400	ng	0.00
19) Phenanthrene-d10	17.104	188	138449	0.400	ng	# 0.00
29) Chrysene-d12	21.335	240	60399	0.400	ng	# 0.05
35) Perylene-d12	23.695	264	35883	0.400	ng	# 0.11
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	323	0.006	ng	0.00
5) Phenol-d6	6.915	99	1303	0.024	ng	0.00
8) Nitrobenzene-d5	8.875	82	2481	0.057	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	7236	0.041	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	85	0.127	ng	0.01
15) 2-Fluorobiphenyl	12.989	172	10467	0.038	ng	0.00
27) Fluoranthene-d10	19.149	212	14583	0.034	ng	0.01
31) Terphenyl-d14	19.759	244	15155	0.114	ng	0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.624	42	755	0.036	ng	# 1
6) bis(2-Chloroethyl)ether	7.192	93	1640	0.026	ng	# 23
9) Naphthalene	10.560	128	71292	0.277	ng	100
12) 2-Methylnaphthalene	12.182	142	10641	0.063	ng	# 95
16) Acenaphthylene	14.080	152	9786	0.035	ng	# 78
18) Fluorene	15.412	166	7959	0.034	ng	# 69
20) 4,6-Dinitro-2-methylph...	15.463	198	447	0.130	ng	# 1
23) Atrazine	16.532	200	1887	0.159	ng	# 1
24) Pentachlorophenol	16.715	266	260	0.198	ng	# 19
25) Phenanthrene	17.141	178	311072	0.819	ng	# 90
26) Anthracene	17.238	178	16631	0.051	ng	# 70
28) Fluoranthene	19.179	202	284047	0.661	ng	# 92
30) Pyrene	19.546	202	236709	1.214	ng	99
32) Benzo(a)anthracene	21.367	228	777386	4.238	ng	# 60
33) Chrysene	21.367	228	725791	3.637	ng	# 64
34) Bis(2-ethylhexyl)phtha...	21.271	149	50525	1.161	ng	# 27
36) Indeno(1,2,3-cd)pyrene	26.039	276	11266	0.097	ng	# 53
37) Benzo(b)fluoranthene	22.993	252	122248	1.027	ng	# 1
39) Benzo(a)pyrene	23.496	252	123374	1.158	ng	# 1
40) Dibenzo(a,h)anthracene	26.039	278	11180	0.117	ng	# 1
41) Benzo(g,h,i)perylene	26.751	276	11456	0.117	ng	# 1

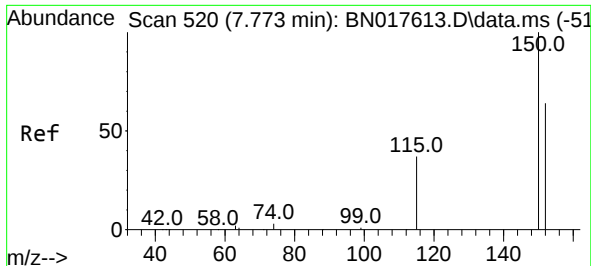
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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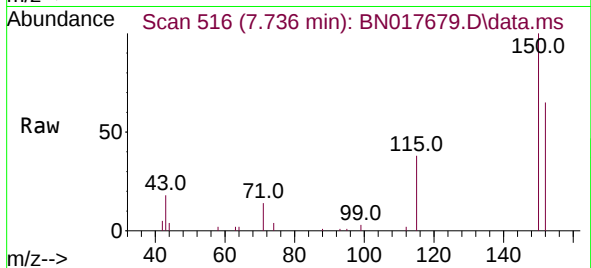
Quant Time: Dec 02 10:35:42 2021
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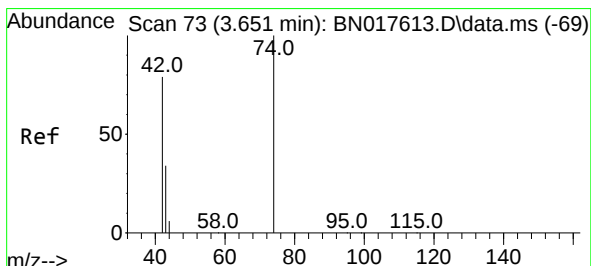
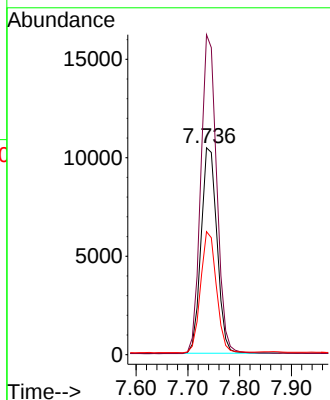
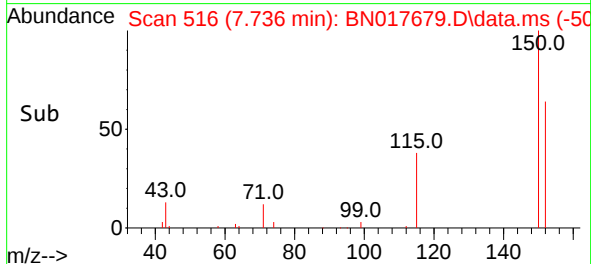


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

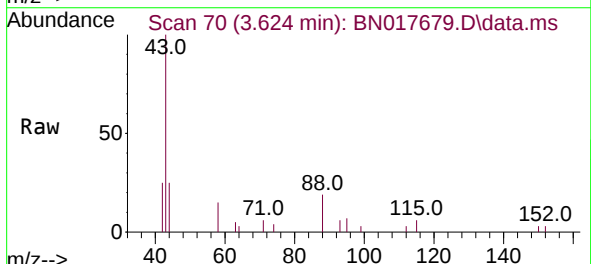
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BNA_N
ClientSampleId :



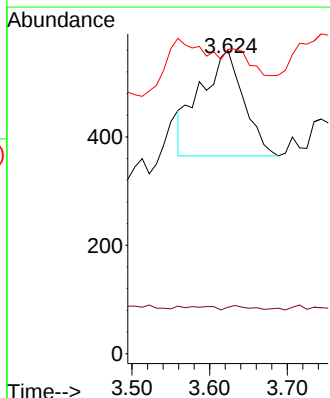
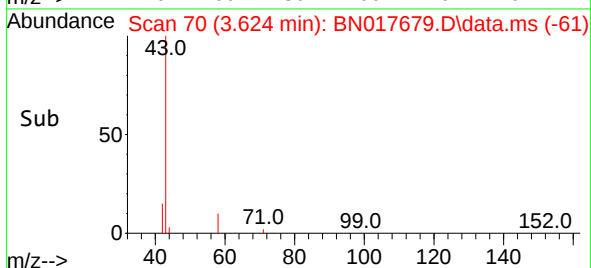
Tgt Ion:152 Resp: 22276
Ion Ratio Lower Upper
152 100
150 154.7 123.0 184.4
115 59.5 45.6 68.4

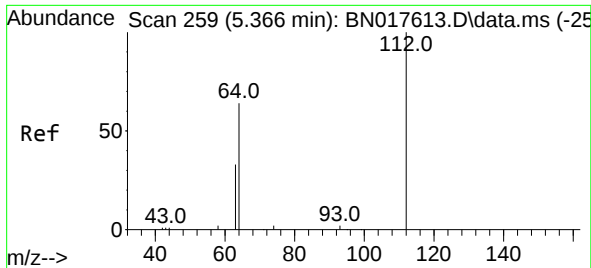


#3
n-Nitrosodimethylamine
Concen: 0.036 ng
RT: 3.624 min Scan# 70
Delta R.T. -0.018 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03



Tgt Ion: 42 Resp: 755
Ion Ratio Lower Upper
42 100
74 2.0 97.8 146.6#
44 13.2 5.5 8.3#

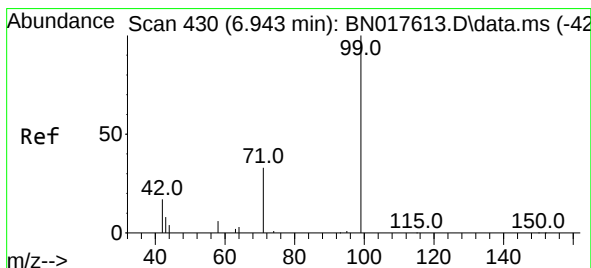
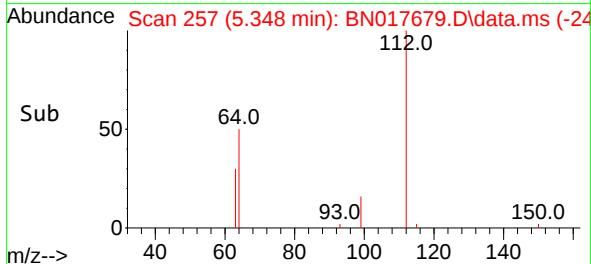
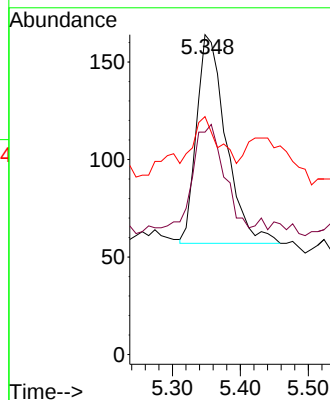
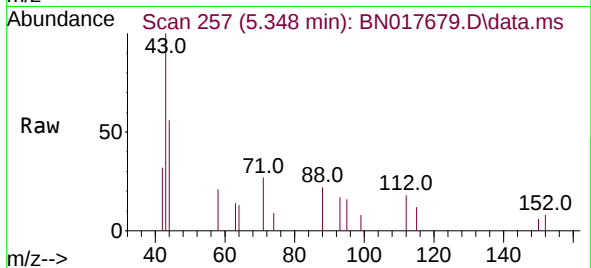




#4
2-Fluorophenol
Concen: 0.006 ng
RT: 5.348 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

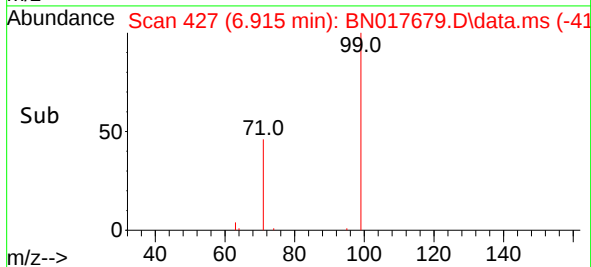
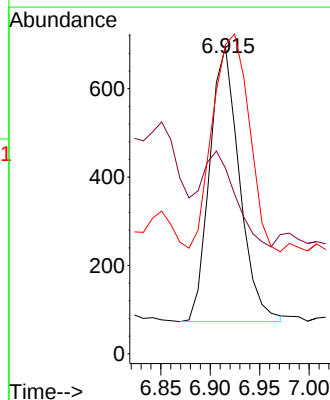
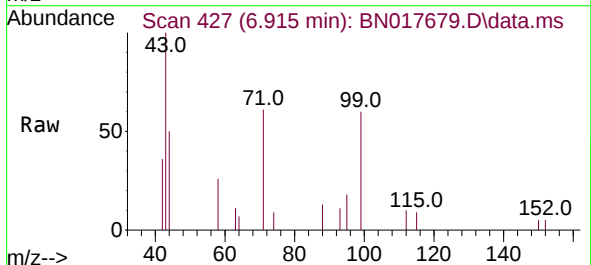
Instrument :
BNA_N
ClientSampleId :

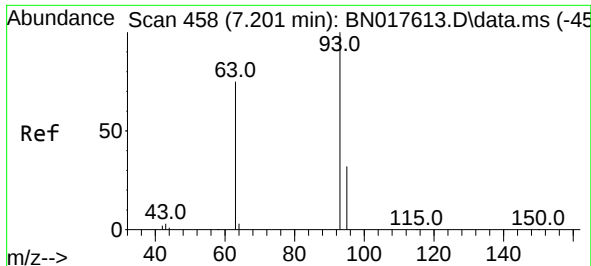
Tgt Ion:112 Resp: 323
Ion Ratio Lower Upper
112 100
64 51.7 47.6 71.4
63 18.6 24.6 37.0#



#5
Phenol-d6
Concen: 0.024 ng
RT: 6.915 min Scan# 427
Delta R.T. 0.009 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

Tgt Ion: 99 Resp: 1303
Ion Ratio Lower Upper
99 100
42 40.0 17.0 25.6#
71 96.9 24.8 37.2#

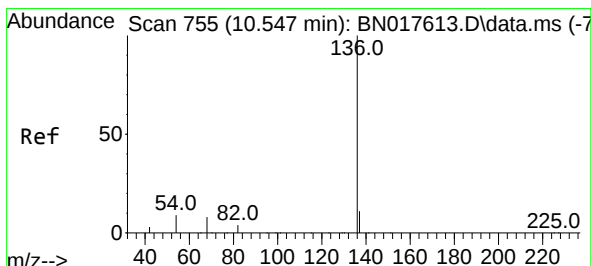
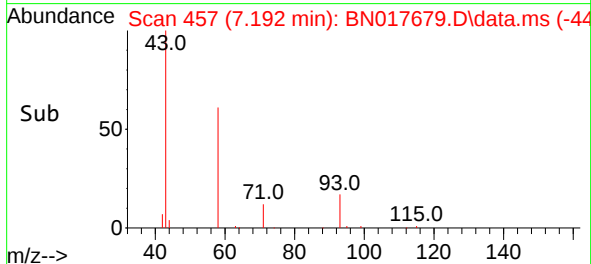
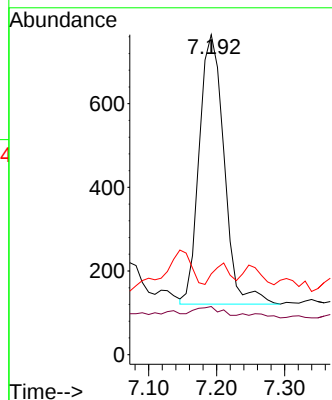
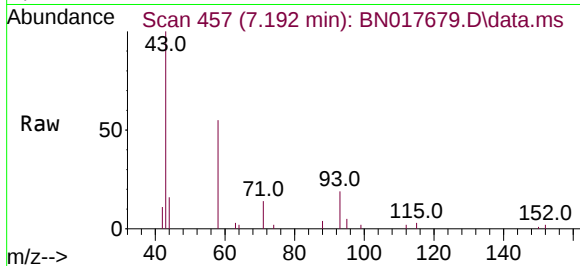




#6
bis(2-Chloroethyl)ether
Concen: 0.026 ng
RT: 7.192 min Scan# 41
Delta R.T. 0.028 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

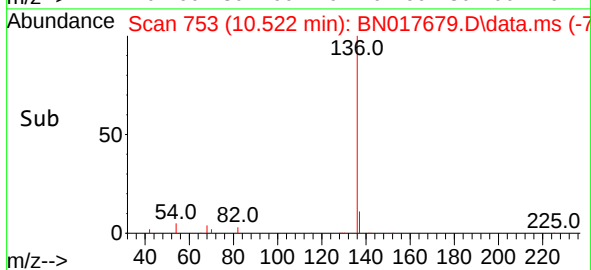
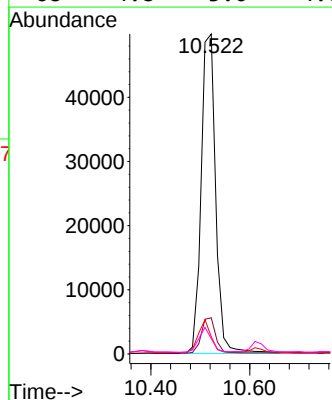
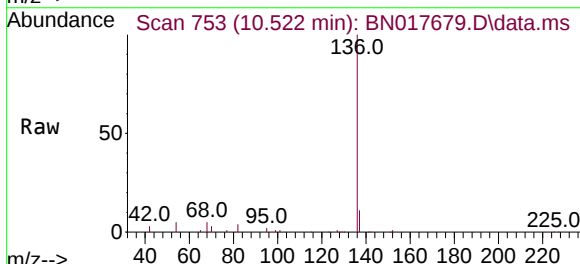
Instrument :
BNA_N
ClientSampleId :

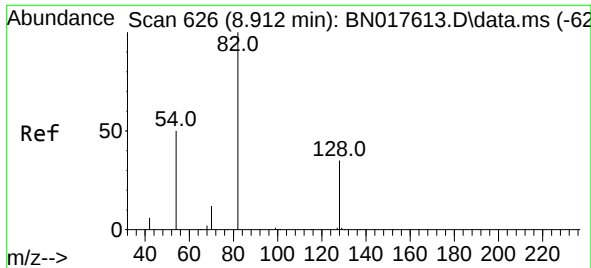
Tgt Ion: 93 Resp: 1640
Ion Ratio Lower Upper
93 100
63 3.0 65.8 98.6#
95 5.6 26.6 39.8#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 753
Delta R.T. 0.013 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

Tgt Ion: 136 Resp: 102150
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 5.4 4.0 6.0
68 4.8 3.0 4.6#

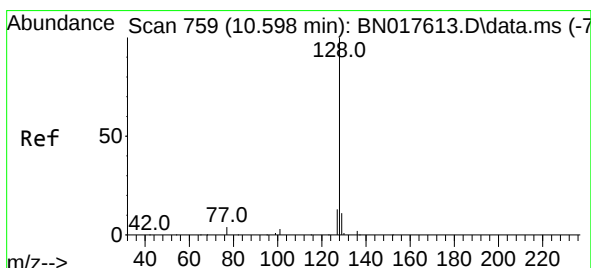
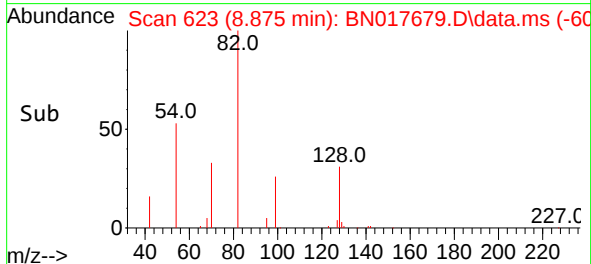
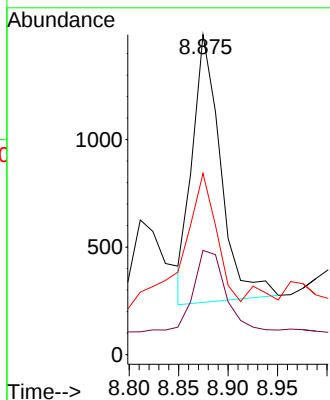
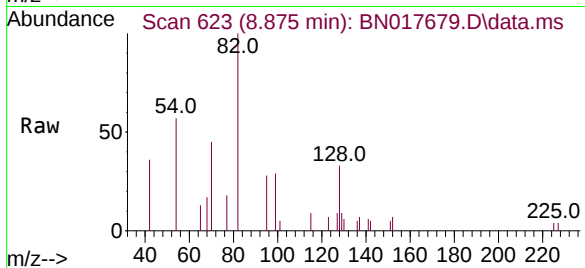




#8
Nitrobenzene-d5
Concen: 0.057 ng
RT: 8.875 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

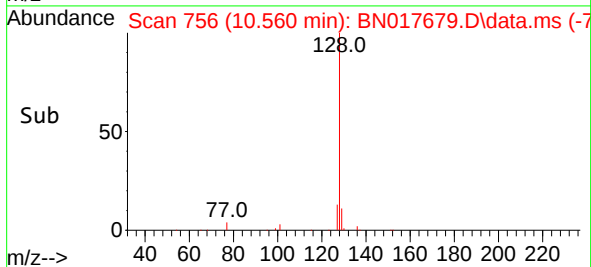
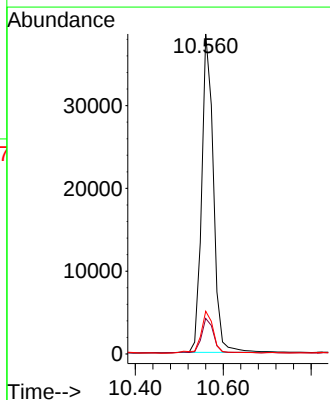
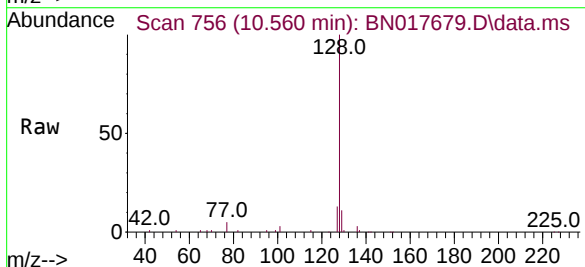
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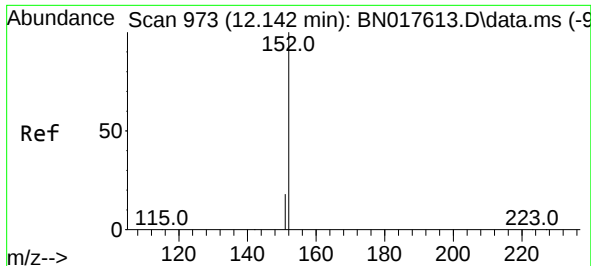
Tgt Ion: 82 Resp: 2481
Ion Ratio Lower Upper
82 100
128 32.6 27.7 41.5
54 56.7 49.2 73.8



#9
Naphthalene
Concen: 0.277 ng
RT: 10.560 min Scan# 756
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

Tgt Ion: 128 Resp: 71292
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.4 10.6 15.8

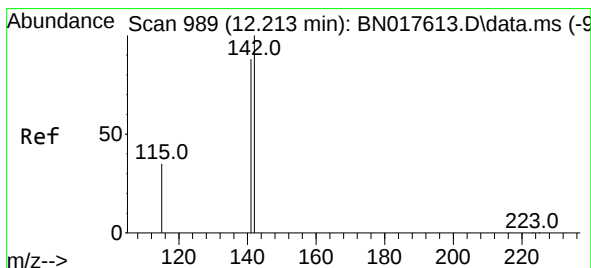
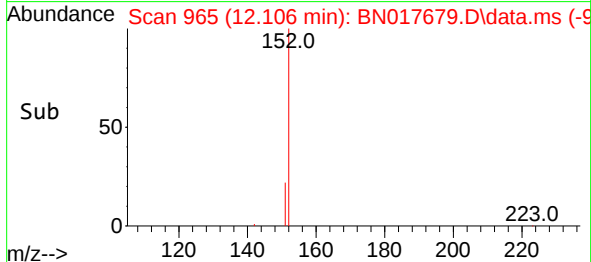
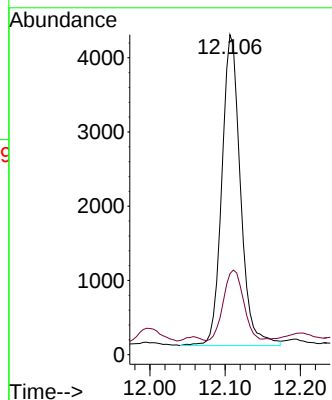
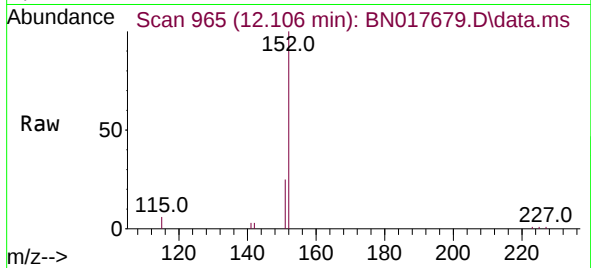




#11
2-Methylnaphthalene-d10
Concen: 0.041 ng
RT: 12.106 min Scan# 90
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

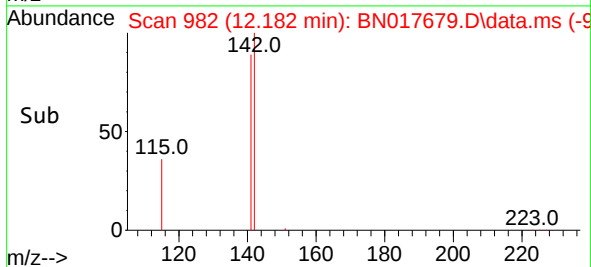
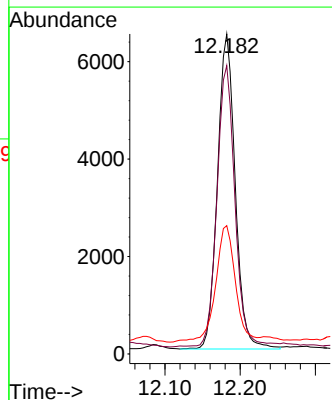
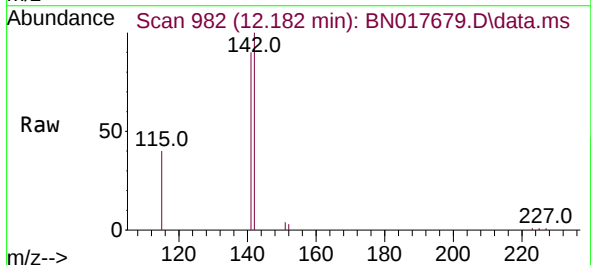
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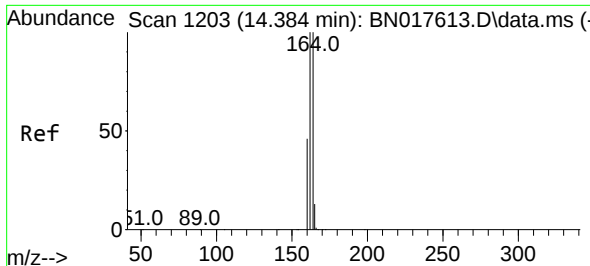
Tgt Ion:152 Resp: 7236
Ion Ratio Lower Upper
152 100
151 24.9 16.2 24.4#



#12
2-Methylnaphthalene
Concen: 0.063 ng
RT: 12.182 min Scan# 982
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

Tgt Ion:142 Resp: 10641
Ion Ratio Lower Upper
142 100
141 90.1 70.6 106.0
115 40.1 25.8 38.6#

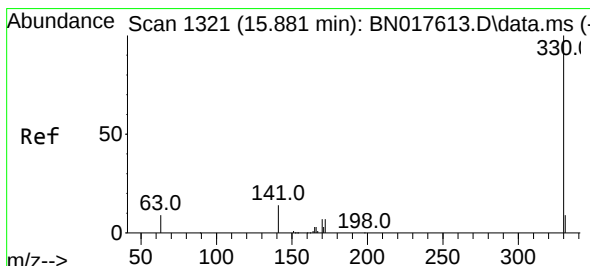
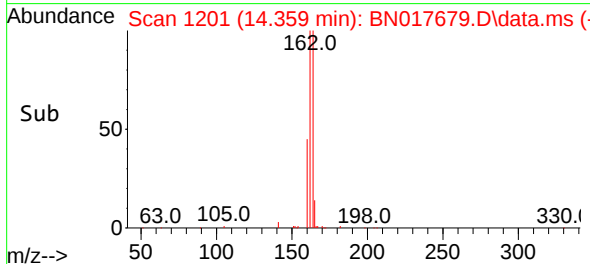
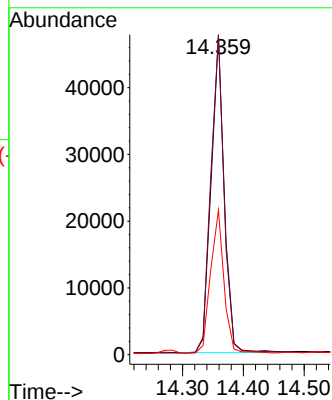
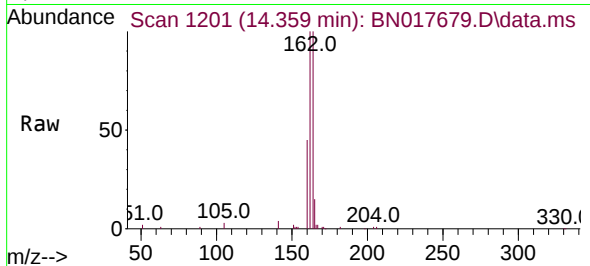




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.359 min Scan# 1319
 Delta R.T. 0.000 min
 Lab File: BN017679.D
 Acq: 02 Dec 2021 10:03

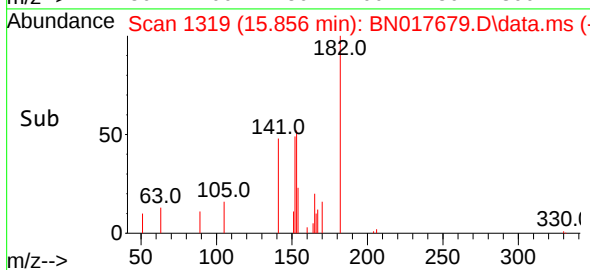
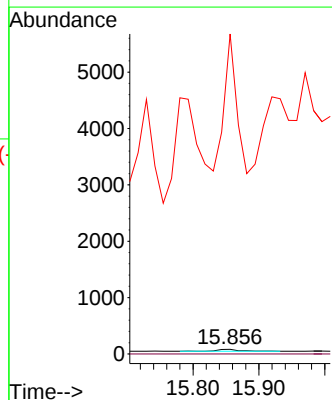
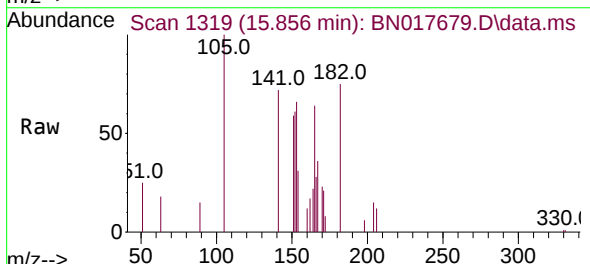
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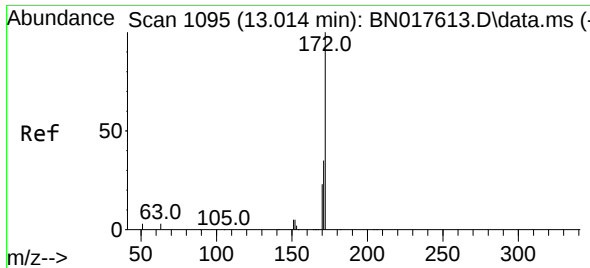
Tgt Ion:164 Resp: 71358
 Ion Ratio Lower Upper
 164 100
 162 100.1 81.4 122.2
 160 45.2 36.8 55.2



#14
 2,4,6-Tribromophenol
 Concen: 0.127 ng
 RT: 15.856 min Scan# 1319
 Delta R.T. 0.013 min
 Lab File: BN017679.D
 Acq: 02 Dec 2021 10:03

Tgt Ion:330 Resp: 85
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 3650.6 28.9 43.3#

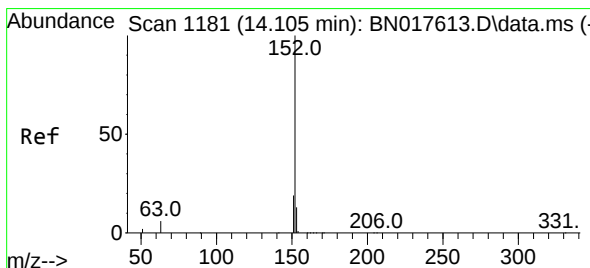
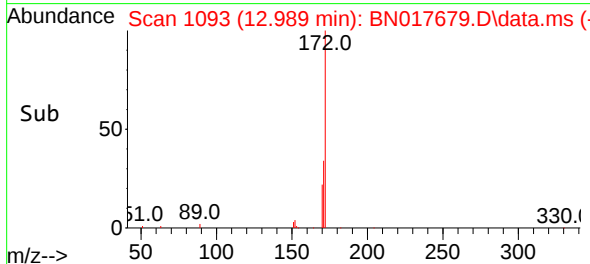
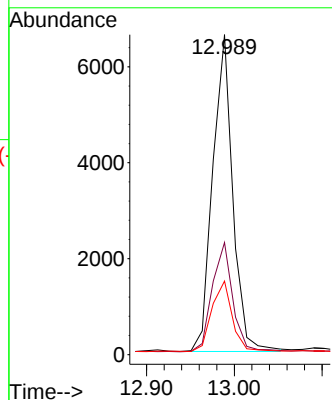
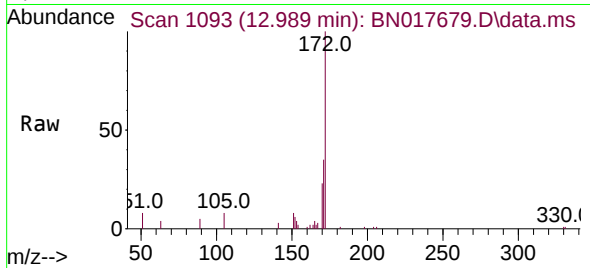




#15
2-Fluorobiphenyl
Concen: 0.038 ng
RT: 12.989 min Scan# 1093
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

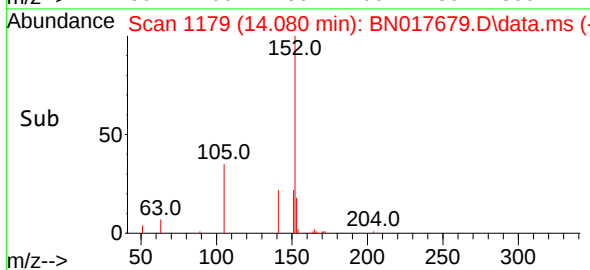
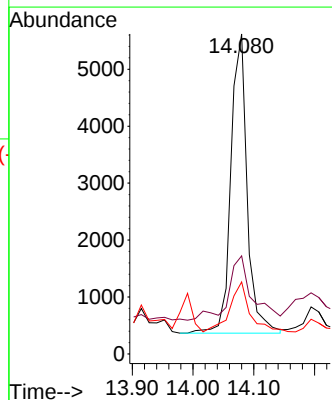
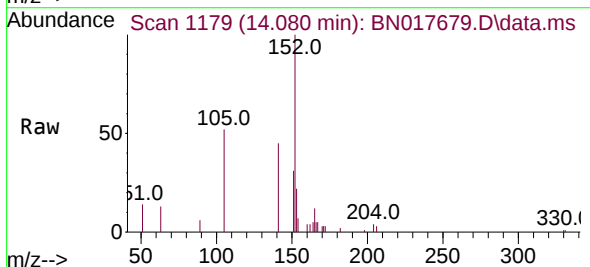
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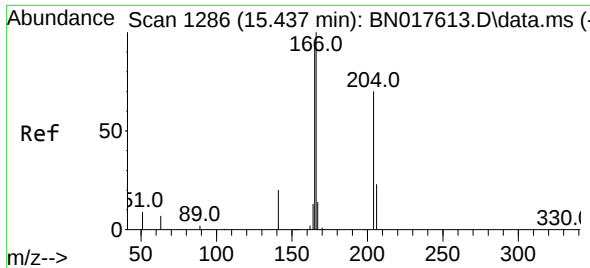
Tgt Ion:172 Resp: 10467
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 23.0 19.4 29.2



#16
Acenaphthylene
Concen: 0.035 ng
RT: 14.080 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

Tgt Ion:152 Resp: 9786
Ion Ratio Lower Upper
152 100
151 30.7 15.5 23.3#
153 20.4 10.4 15.6#

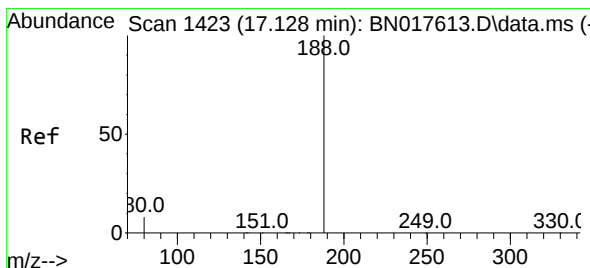
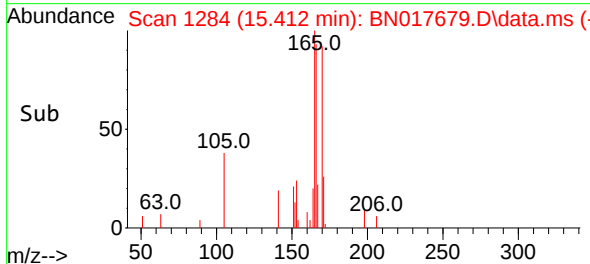
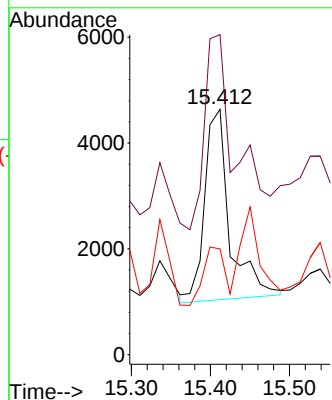
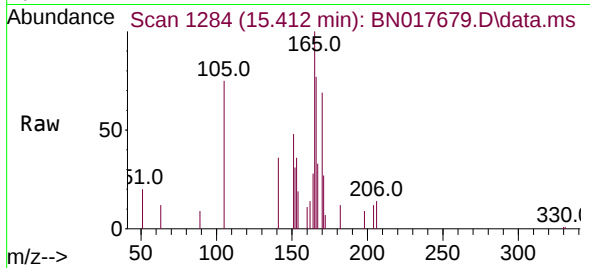




#18
Fluorene
Concen: 0.034 ng
RT: 15.412 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

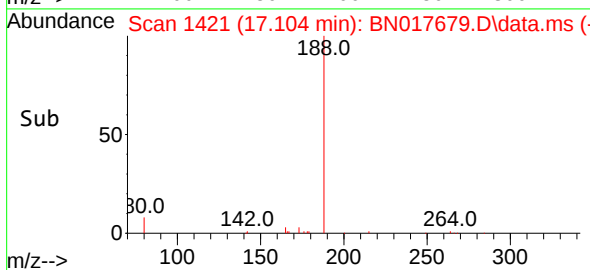
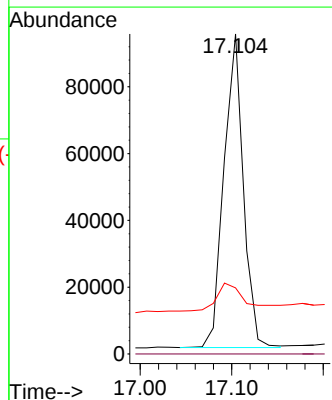
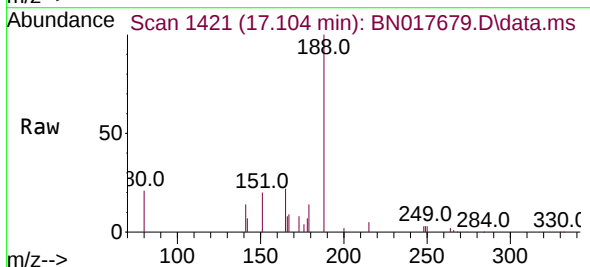
Instrument :
BNA_N
ClientSampleId :

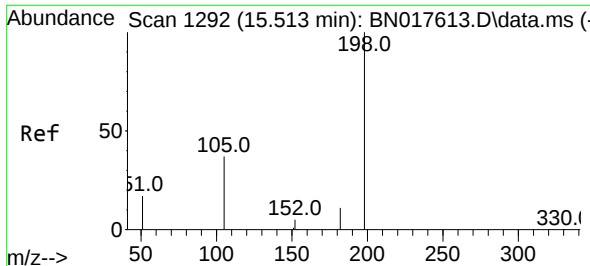
Tgt Ion:166 Resp: 7959
Ion Ratio Lower Upper
166 100
165 128.1 77.9 116.9#
167 26.4 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

Tgt Ion:188 Resp: 138449
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 20.7 6.1 9.1#

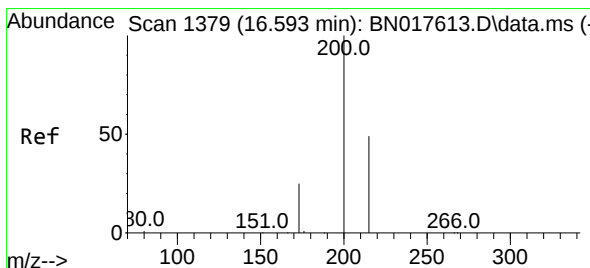
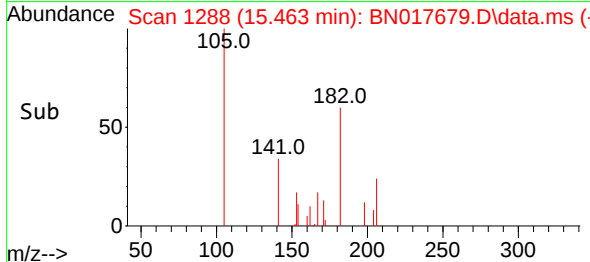
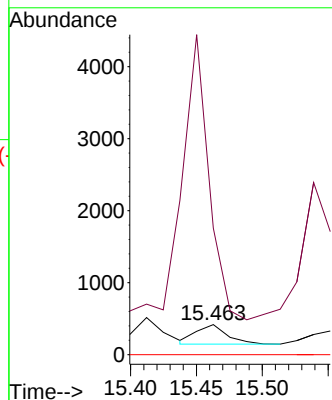
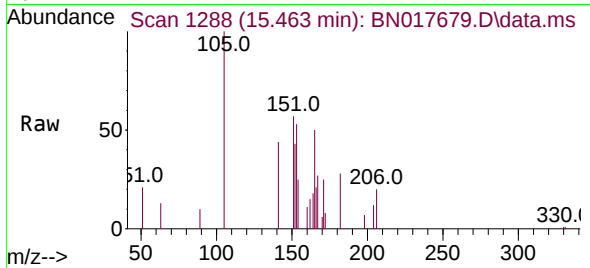




#20
4,6-Dinitro-2-methylphenol
Concen: 0.130 ng
RT: 15.463 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

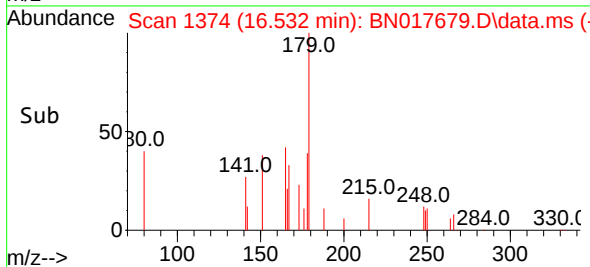
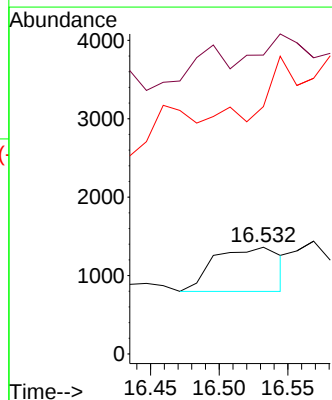
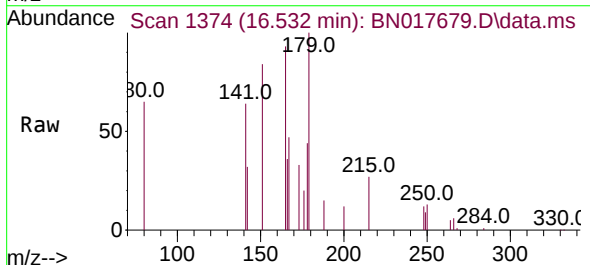
Instrument :
BNA_N
ClientSampleId :

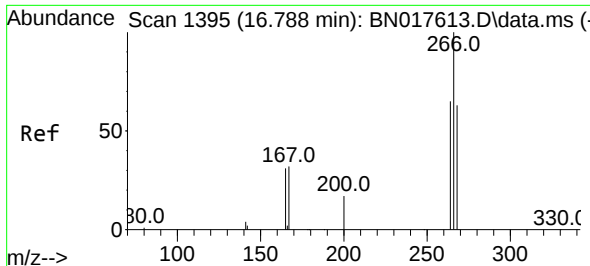
Tgt Ion:198 Resp: 447
Ion Ratio Lower Upper
198 100
182 420.6 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.159 ng
RT: 16.532 min Scan# 1374
Delta R.T. -0.036 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

Tgt Ion:200 Resp: 1887
Ion Ratio Lower Upper
200 100
173 280.0 17.6 26.4#
215 231.8 40.2 60.4#

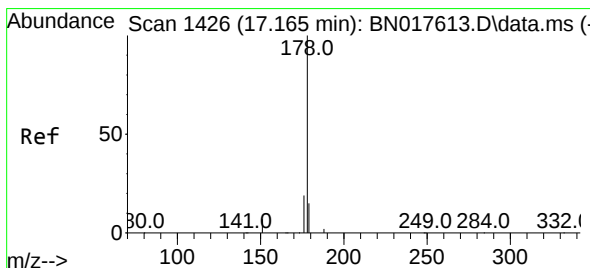
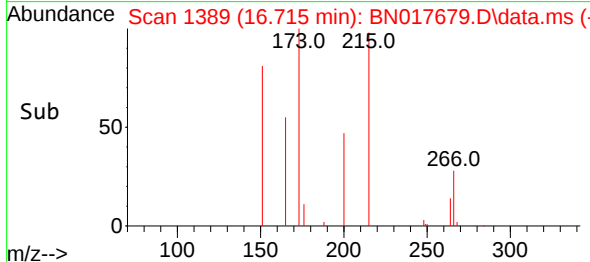
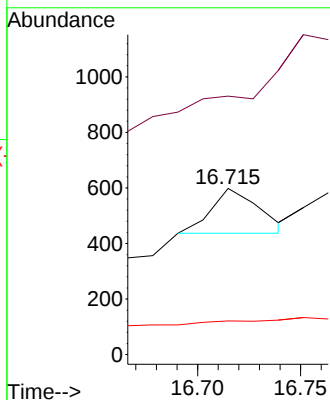
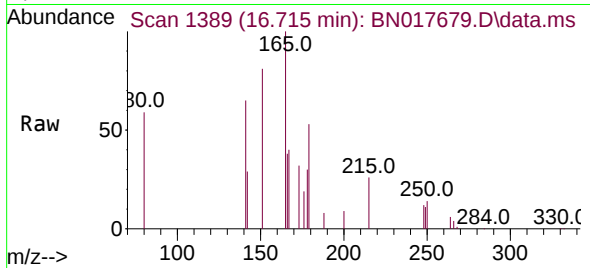




#24
Pentachlorophenol
Concen: 0.198 ng
RT: 16.715 min Scan# 1389
Delta R.T. -0.049 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

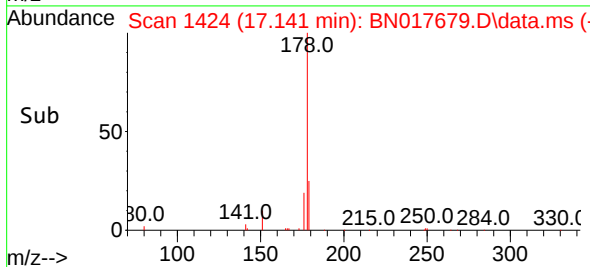
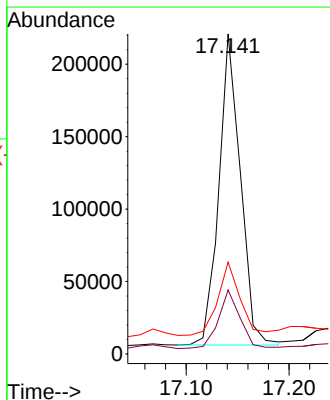
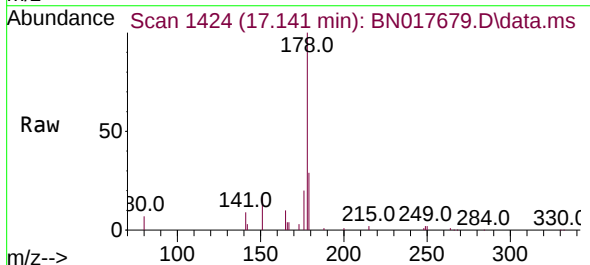
Instrument :
BNA_N
ClientSampleId :

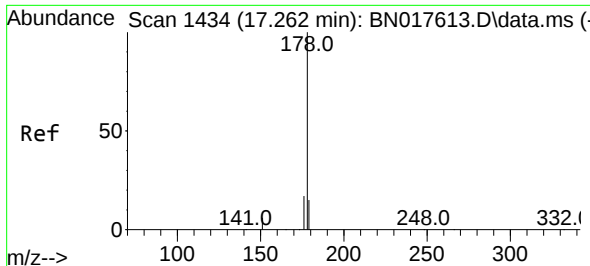
Tgt Ion:266 Resp: 260
Ion Ratio Lower Upper
266 100
264 0.0 49.8 74.8#
268 0.0 51.3 76.9#



#25
Phenanthrene
Concen: 0.819 ng
RT: 17.141 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

Tgt Ion:178 Resp: 311072
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 24.5 12.3 18.5#

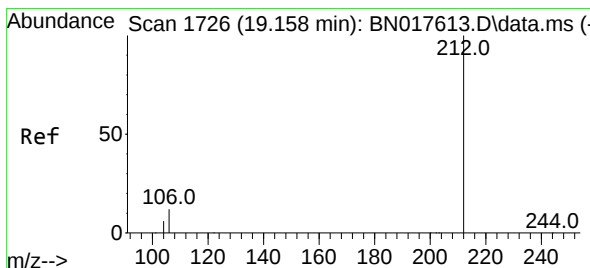
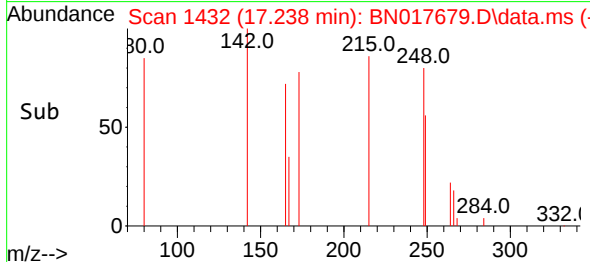
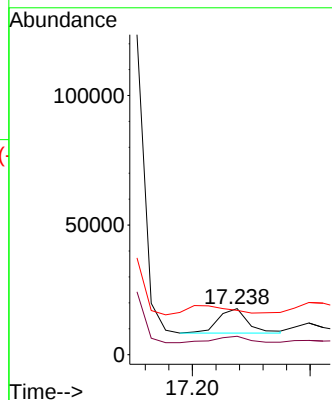
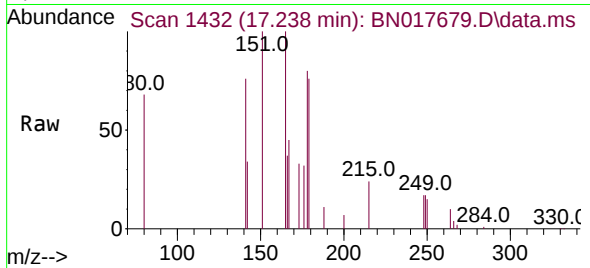




#26
 Anthracene
 Concen: 0.051 ng
 RT: 17.238 min Scan# 1434
 Delta R.T. 0.000 min
 Lab File: BN017679.D
 Acq: 02 Dec 2021 10:03

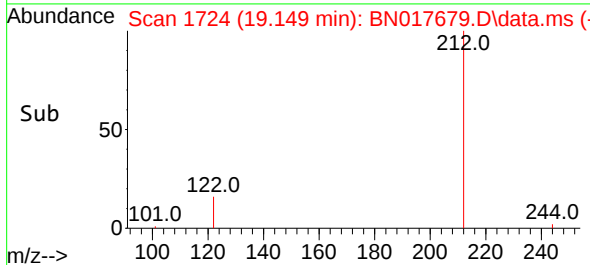
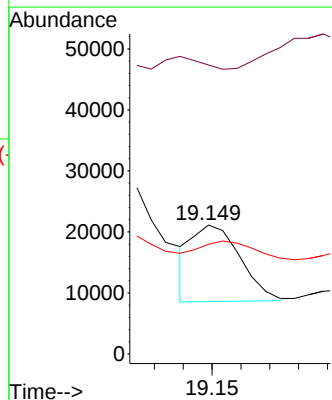
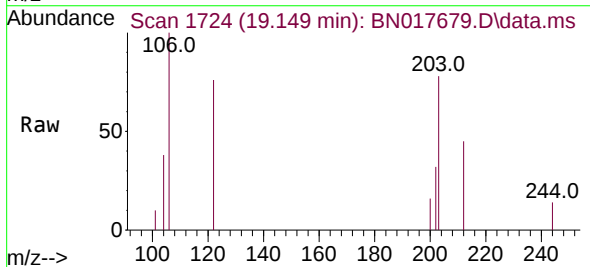
Instrument :
 BNA_N
 ClientSampleId :

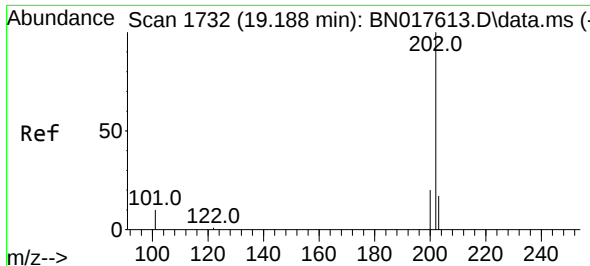
Tgt Ion:178 Resp: 16631
 Ion Ratio Lower Upper
 178 100
 176 29.2 14.6 22.0#
 179 0.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.034 ng
 RT: 19.149 min Scan# 1724
 Delta R.T. 0.015 min
 Lab File: BN017679.D
 Acq: 02 Dec 2021 10:03

Tgt Ion:212 Resp: 14583
 Ion Ratio Lower Upper
 212 100
 106 39.0 10.5 15.7#
 104 26.5 5.8 8.6#

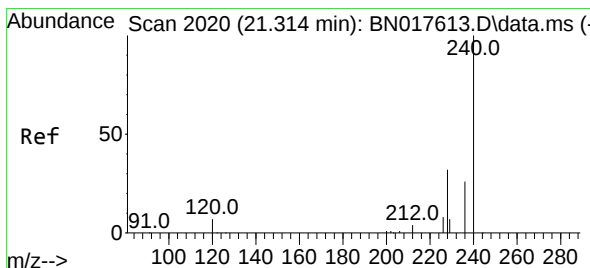
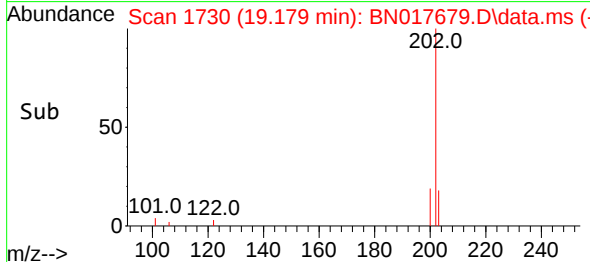
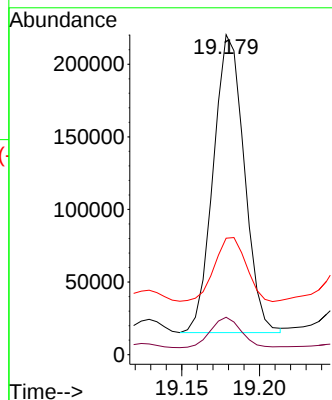
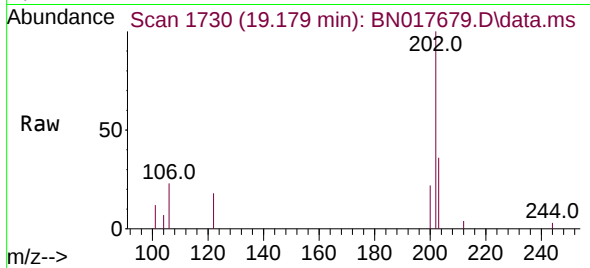




#28
Fluoranthene
Concen: 0.661 ng
RT: 19.179 min Scan# 11
Delta R.T. 0.015 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

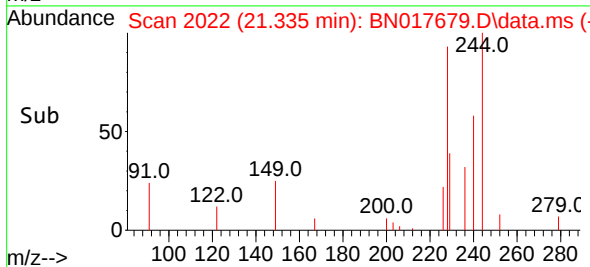
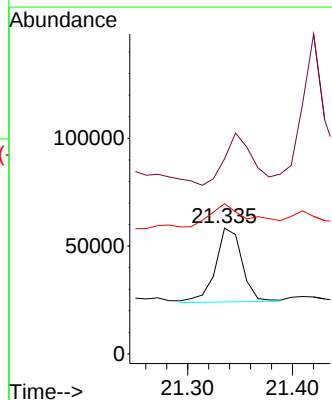
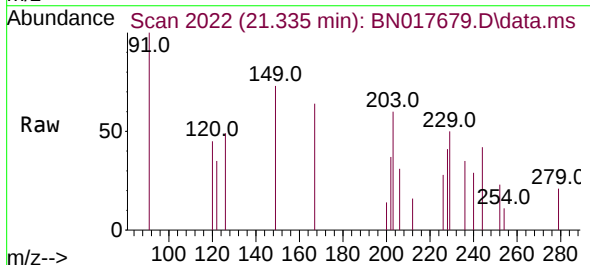
Instrument :
BNA_N
ClientSampleId :

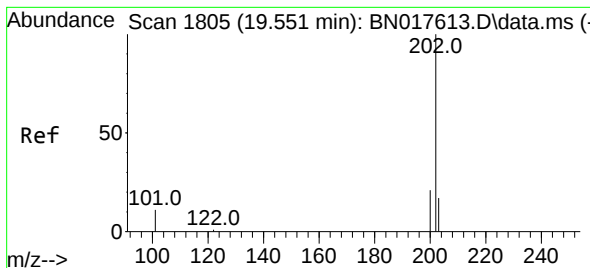
Tgt Ion:202 Resp: 284047
Ion Ratio Lower Upper
202 100
101 10.1 8.9 13.3
203 22.0 13.8 20.6#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.335 min Scan# 2022
Delta R.T. 0.053 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

Tgt Ion:240 Resp: 60399
Ion Ratio Lower Upper
240 100
120 155.0 4.2 6.2#
236 119.5 20.0 30.0#





#30

Pyrene

Concen: 1.214 ng

RT: 19.546 min Scan# 1804

Delta R.T. 0.020 min

Lab File: BN017679.D

Acq: 02 Dec 2021 10:03

Instrument :

BNA_N

ClientSampleId :

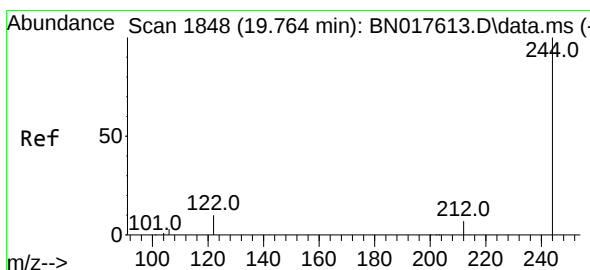
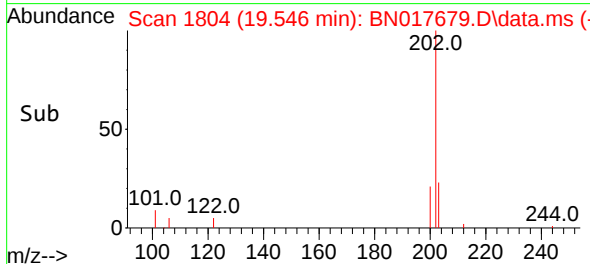
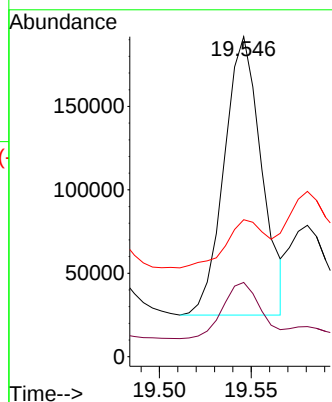
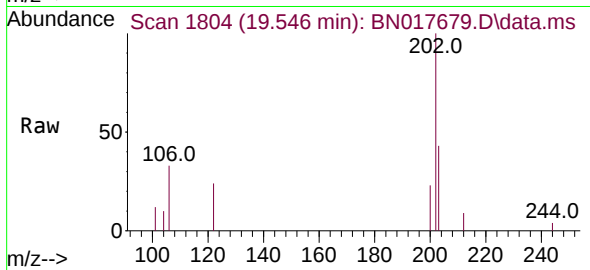
Tgt Ion:202 Resp: 236709

Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

203 18.4 14.0 21.0



#31

Terphenyl-d14

Concen: 0.114 ng

RT: 19.759 min Scan# 1847

Delta R.T. 0.020 min

Lab File: BN017679.D

Acq: 02 Dec 2021 10:03

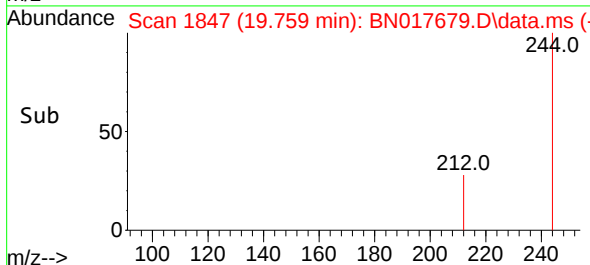
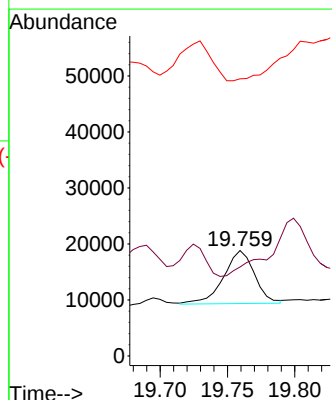
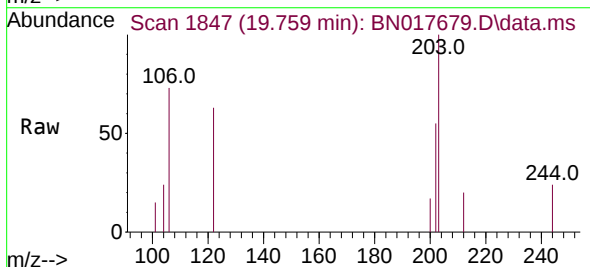
Tgt Ion:244 Resp: 15155

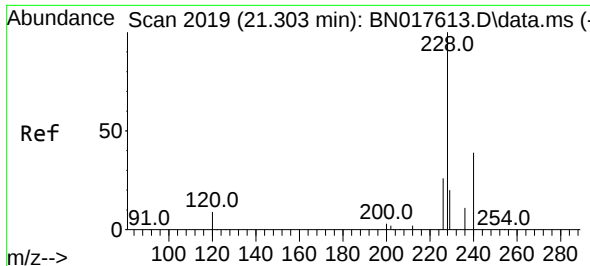
Ion Ratio Lower Upper

244 100

212 84.4 5.7 8.5#

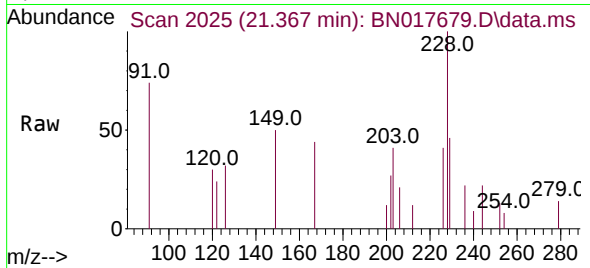
122 262.9 8.6 13.0#



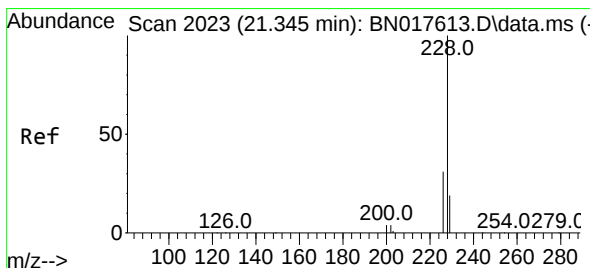
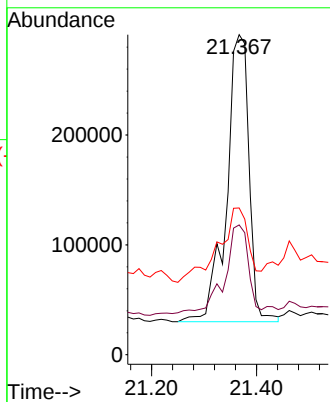
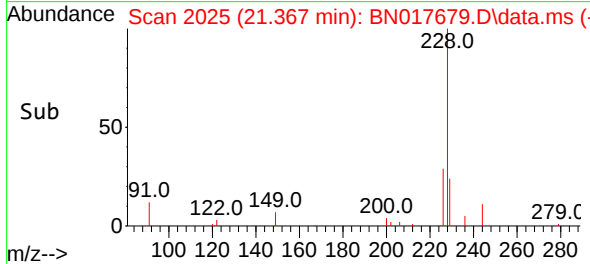


#32
Benzo(a)anthracene
Concen: 4.238 ng
RT: 21.367 min Scan# 2019
Delta R.T. 0.096 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

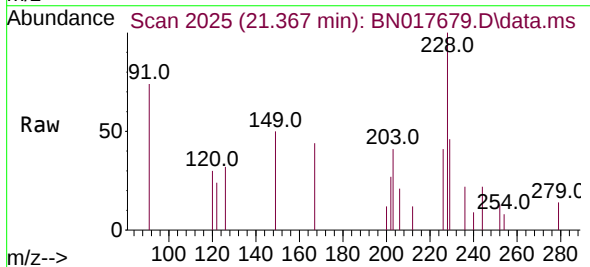
Instrument :
BNA_N
ClientSampleId :



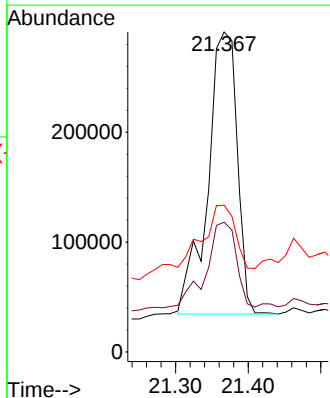
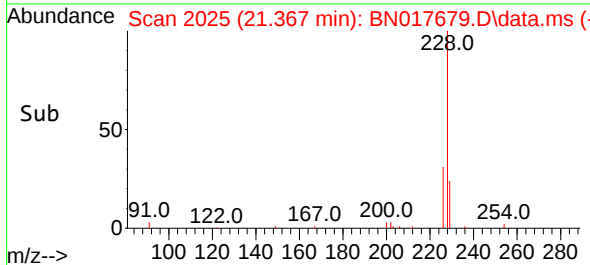
Tgt Ion:228 Resp: 777386
Ion Ratio Lower Upper
228 100
226 40.6 21.3 31.9#
229 45.8 15.7 23.5#

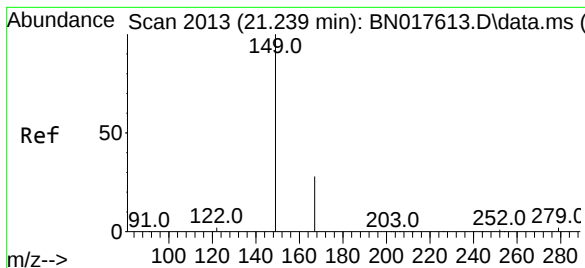


#33
Chrysene
Concen: 3.637 ng
RT: 21.367 min Scan# 2025
Delta R.T. 0.043 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03



Tgt Ion:228 Resp: 725791
Ion Ratio Lower Upper
228 100
226 40.6 23.3 34.9#
229 45.8 15.6 23.4#





#34

Bis(2-ethylhexyl)phthalate

Concen: 1.161 ng

RT: 21.271 min Scan# 20

Delta R.T. 0.053 min

Lab File: BN017679.D

Acq: 02 Dec 2021 10:03

Instrument :

BNA_N

ClientSampleId :

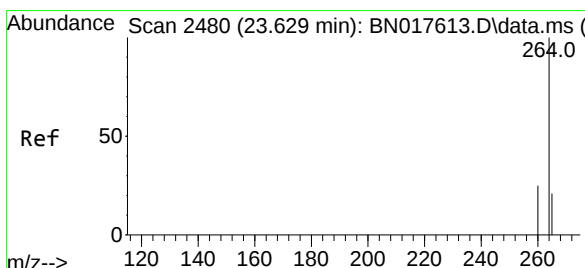
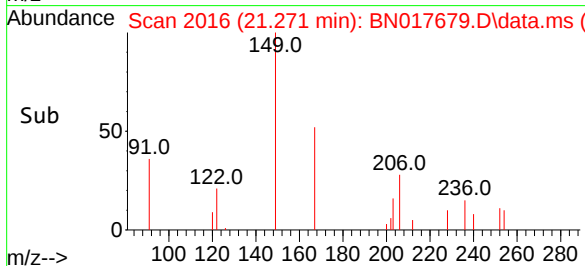
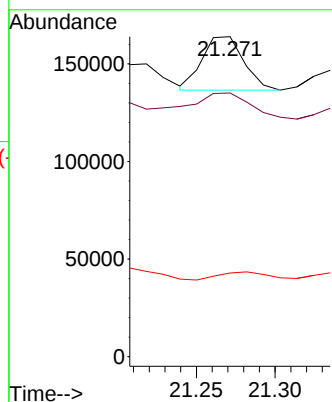
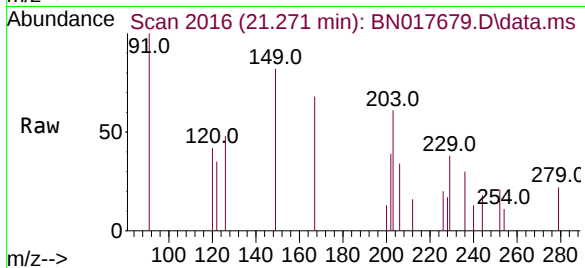
Tgt Ion:149 Resp: 50525

Ion Ratio Lower Upper

149 100

167 67.5 21.8 32.6#

279 18.3 3.4 5.0#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.695 min Scan# 2499

Delta R.T. 0.113 min

Lab File: BN017679.D

Acq: 02 Dec 2021 10:03

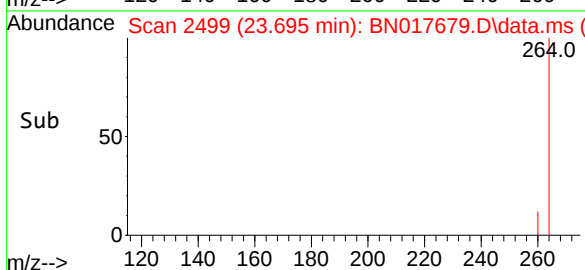
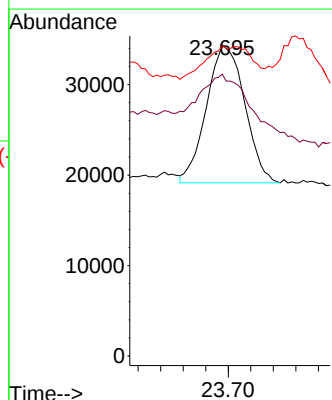
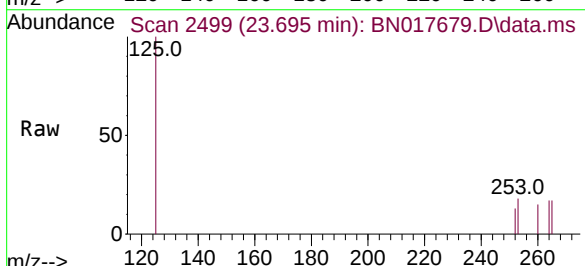
Tgt Ion:264 Resp: 35883

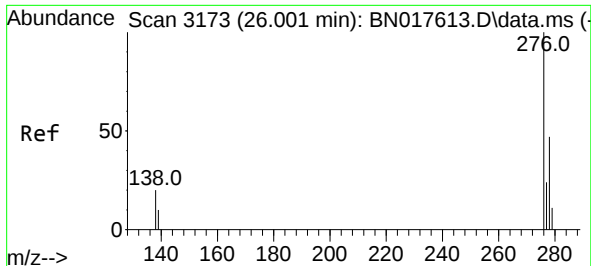
Ion Ratio Lower Upper

264 100

260 90.6 19.4 29.2#

265 99.7 18.6 28.0#

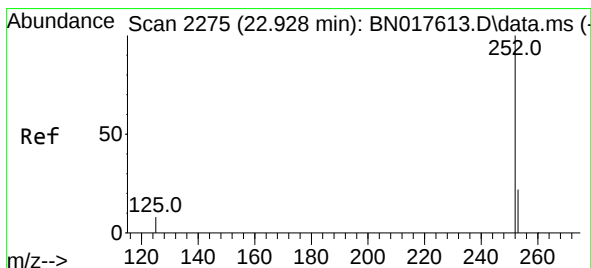
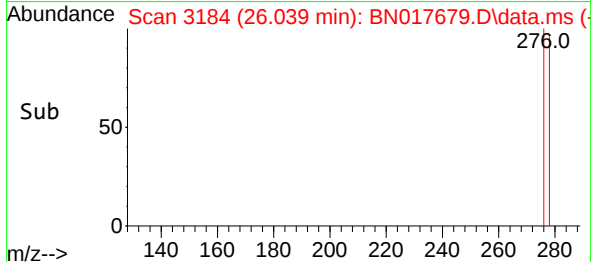
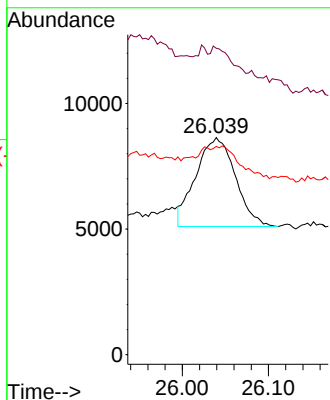
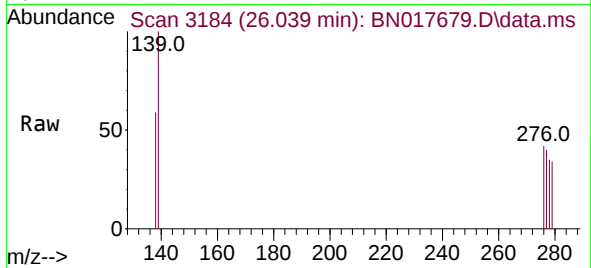




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.097 ng
RT: 26.039 min Scan# 3173
Delta R.T. 0.099 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

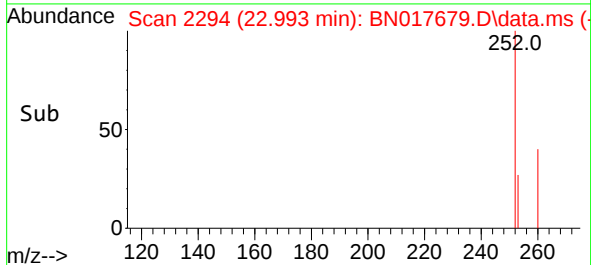
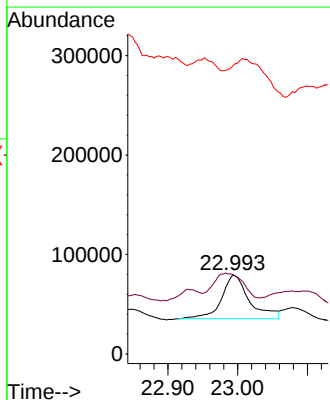
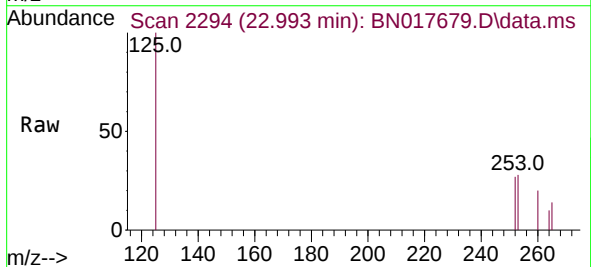
Instrument :
BNA_N
ClientSampleId :

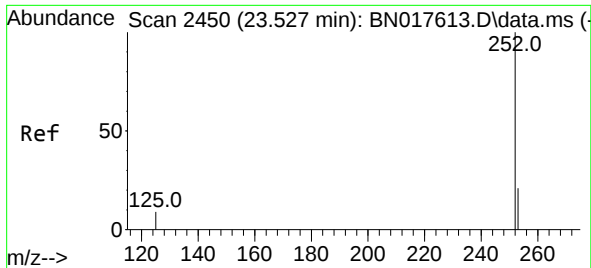
Tgt Ion:276 Resp: 11266
Ion Ratio Lower Upper
276 100
138 0.0 19.7 29.5#
277 2.9 20.0 30.0#



#37
Benzo(b)fluoranthene
Concen: 1.027 ng
RT: 22.993 min Scan# 2294
Delta R.T. 0.106 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

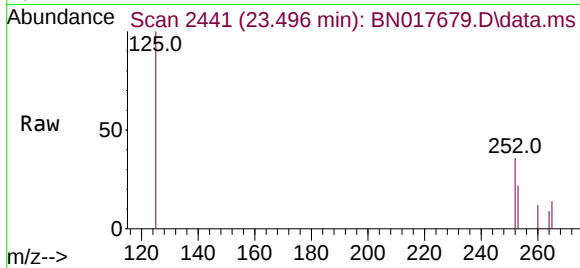
Tgt Ion:252 Resp: 122248
Ion Ratio Lower Upper
252 100
253 101.0 17.7 26.5#
125 364.7 7.8 11.8#



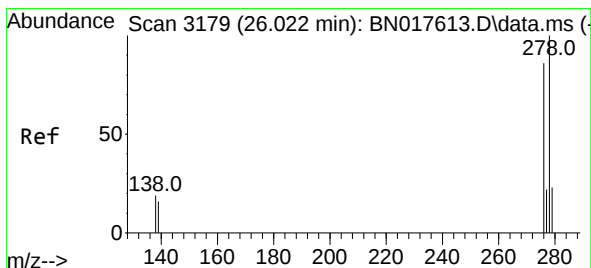
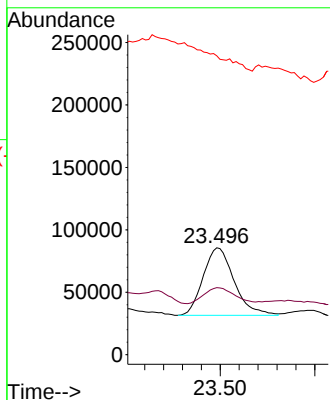
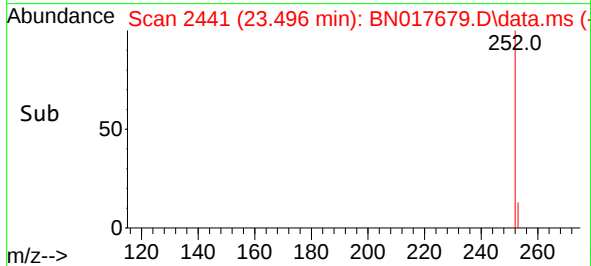


#39
Benzo(a)pyrene
Concen: 1.158 ng
RT: 23.496 min Scan# 2441
Delta R.T. 0.017 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

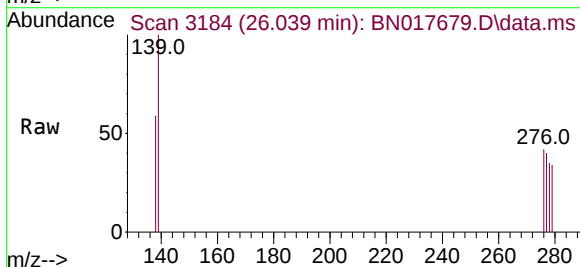
Instrument :
BNA_N
ClientSampleId :



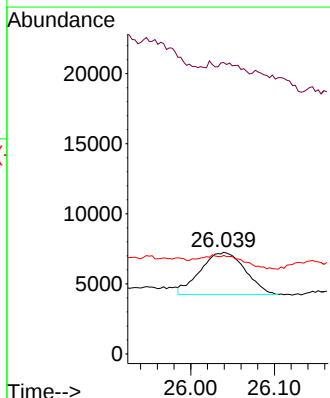
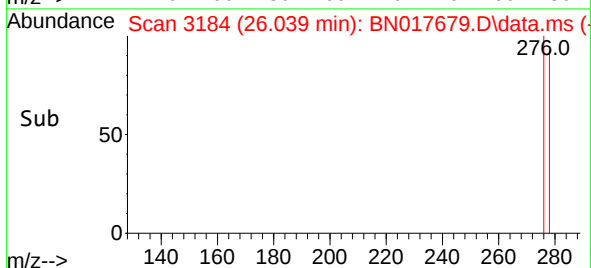
Tgt Ion:252 Resp: 123374
Ion Ratio Lower Upper
252 100
253 62.7 17.9 26.9#
125 279.5 9.2 13.8#

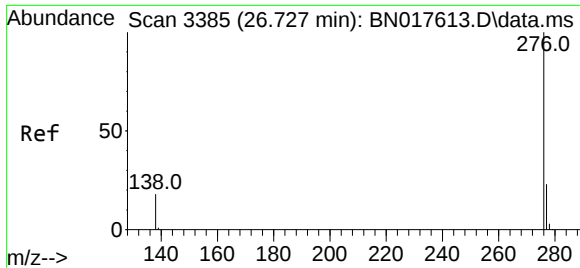


#40
Dibenzo(a,h)anthracene
Concen: 0.117 ng
RT: 26.039 min Scan# 3184
Delta R.T. 0.086 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03



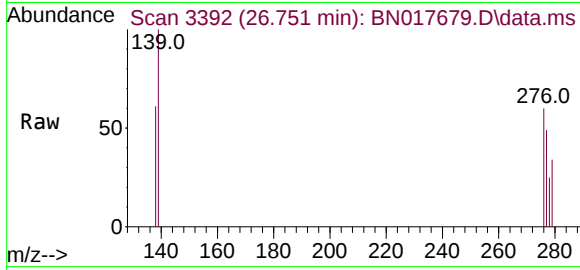
Tgt Ion:278 Resp: 11180
Ion Ratio Lower Upper
278 100
139 286.2 13.0 19.6#
279 96.8 19.2 28.8#





#41
Benzo(g,h,i)perylene
Concen: 0.117 ng
RT: 26.751 min Scan# 31
Delta R.T. 0.096 min
Lab File: BN017679.D
Acq: 02 Dec 2021 10:03

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:276 Resp: 11456
Ion Ratio Lower Upper
276 100
277 80.9 19.0 28.4#
138 100.4 17.1 25.7#

