

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017677.D
 Acq On : 02 Dec 2021 08:51
 Operator : CG/JU
 Sample : M4985-11 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 02 09:40:43 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)

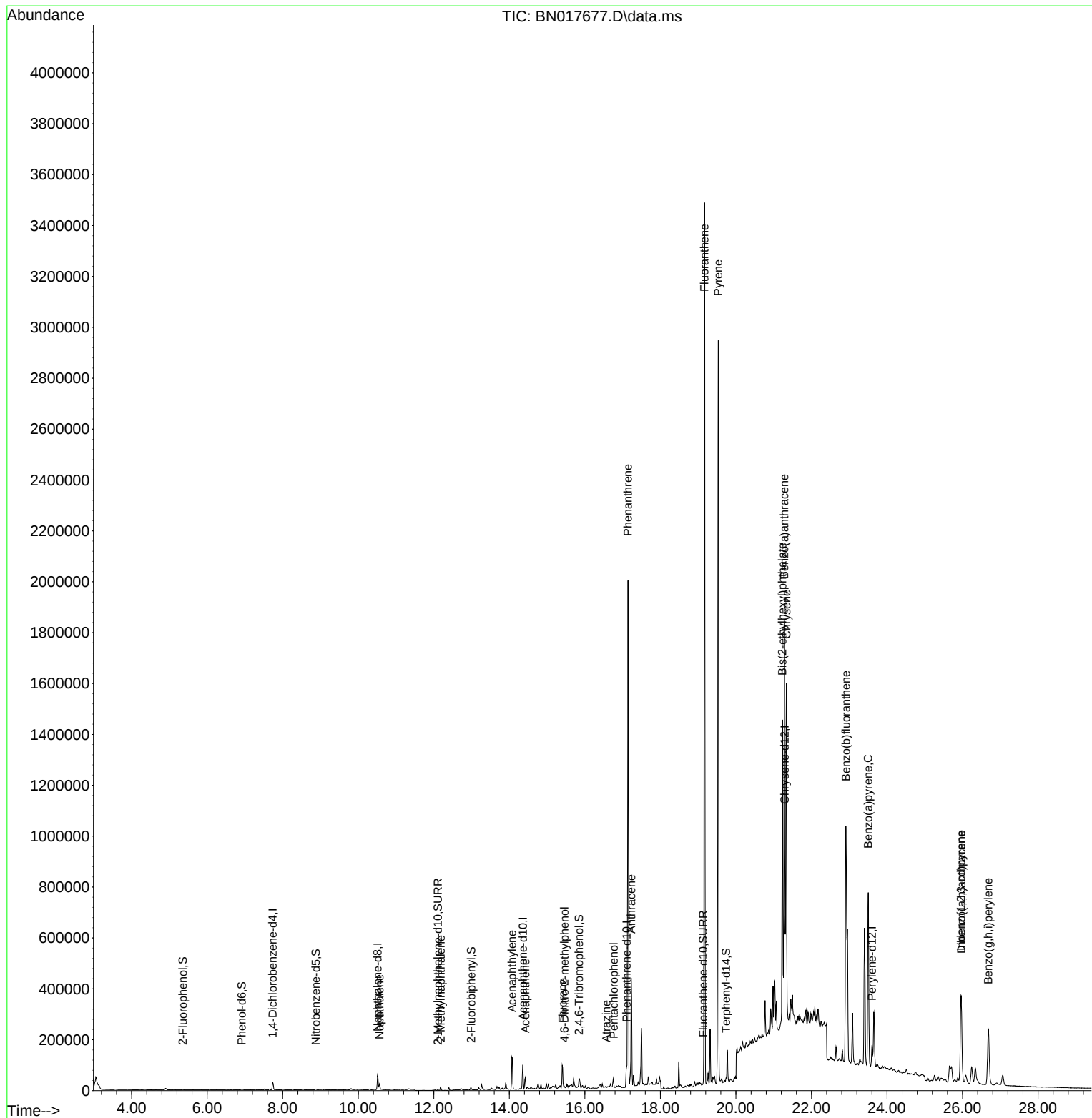
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	18103	0.400	ng	0.00
7) Naphthalene-d8	10.510	136	80116	0.400	ng	# 0.00
13) Acenaphthene-d10	14.359	164	54613	0.400	ng	0.00
19) Phenanthrene-d10	17.104	188	119034	0.400	ng	0.00
29) Chrysene-d12	21.293	240	107561	0.400	ng	# 0.01
35) Perylene-d12	23.602	264	114550	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	1764	0.043	ng	0.00
5) Phenol-d6	6.915	99	1977	0.046	ng	0.00
8) Nitrobenzene-d5	8.875	82	2216	0.065	ng	0.00
11) 2-Methylnaphthalene-d10	12.107	152	5273	0.038	ng	0.00
14) 2,4,6-Tribromophenol	15.843	330	1502	0.169	ng	0.00
15) 2-Fluorobiphenyl	12.989	172	8306	0.039	ng	0.00
27) Fluoranthene-d10	19.134	212	13744	0.037	ng	0.00
31) Terphenyl-d14	19.740	244	13989	0.059	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.560	128	29983	0.148	ng	98
12) 2-Methylnaphthalene	12.182	142	10480	0.079	ng	# 96
16) Acenaphthylene	14.067	152	160053	0.751	ng	99
17) Acenaphthene	14.422	154	23360	0.159	ng	94
18) Fluorene	15.412	166	63711	0.356	ng	# 96
20) 4,6-Dinitro-2-methylph...	15.463	198	55	0.067	ng	# 1
23) Atrazine	16.569	200	534	0.140	ng	# 32
24) Pentachlorophenol	16.763	266	4233	0.286	ng	99
25) Phenanthrene	17.141	178	2024281	6.201	ng	99
26) Anthracene	17.226	178	474268	1.691	ng	# 93
28) Fluoranthene	19.169	202	3307084	8.951	ng	# 96
30) Pyrene	19.531	202	2672383	7.697	ng	97
32) Benzo(a)anthracene	21.282	228	1375329	4.210	ng	94
33) Chrysene	21.335	228	1242573	3.496	ng	97
34) Bis(2-ethylhexyl)phtha...	21.229	149	1172167	15.126	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.961	276	578246	1.555	ng	# 90
37) Benzo(b)fluoranthene	22.911	252	1613535	4.248	ng	# 91
39) Benzo(a)pyrene	23.503	252	1056968	3.108	ng	# 91
40) Dibenzo(a,h)anthracene	25.968	278	143883	0.473	ng	# 72
41) Benzo(g,h,i)perylene	26.683	276	493780	1.579	ng	95

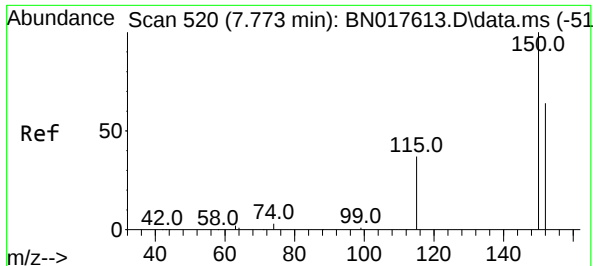
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 02 01:51:49 2021
Response via : Initial Calibration

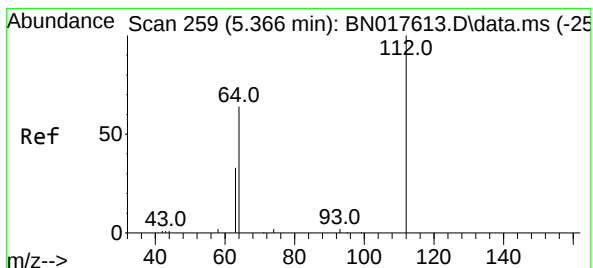
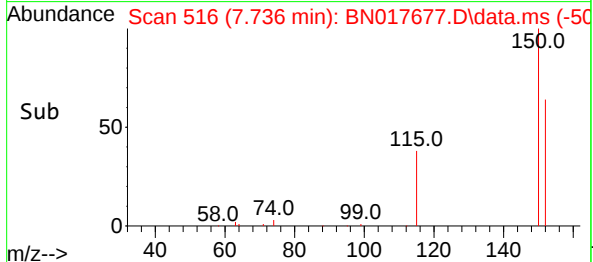
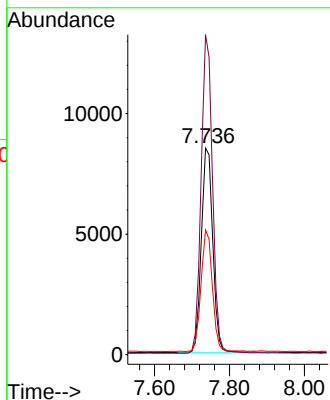
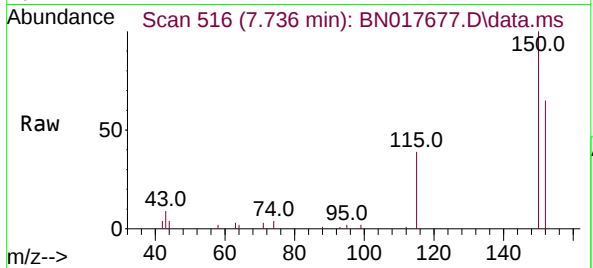




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

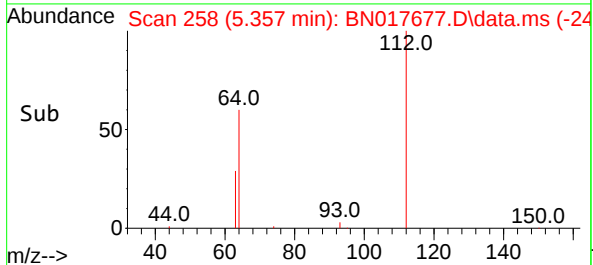
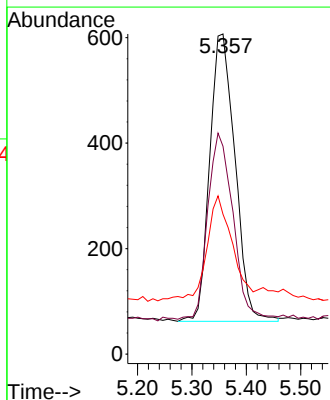
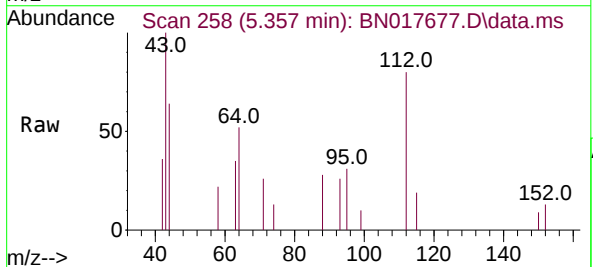
Instrument :
BNA_N
ClientSampleId :

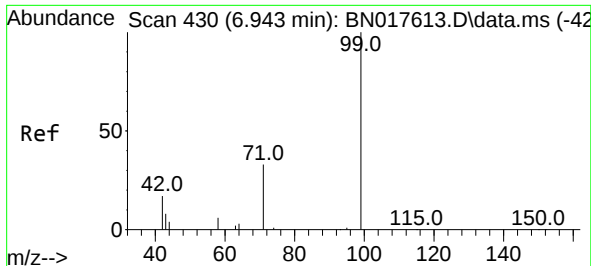
Tgt Ion:152 Resp: 18103
Ion Ratio Lower Upper
152 100
150 154.9 123.0 184.4
115 60.4 45.6 68.4



#4
2-Fluorophenol
Concen: 0.043 ng
RT: 5.357 min Scan# 258
Delta R.T. 0.009 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Tgt Ion:112 Resp: 1764
Ion Ratio Lower Upper
112 100
64 64.5 47.6 71.4
63 33.3 24.6 37.0

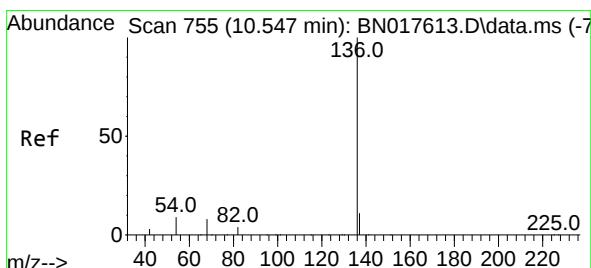
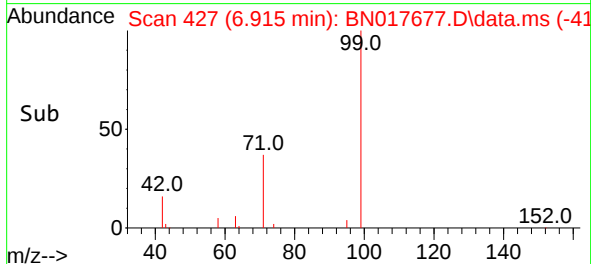
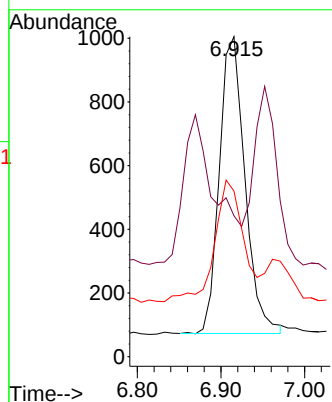
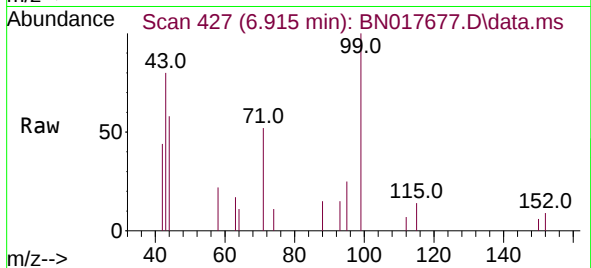




#5
Phenol-d6
Concen: 0.046 ng
RT: 6.915 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

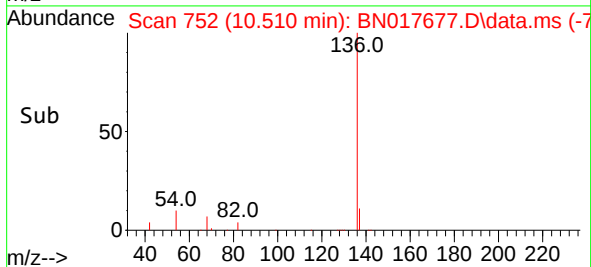
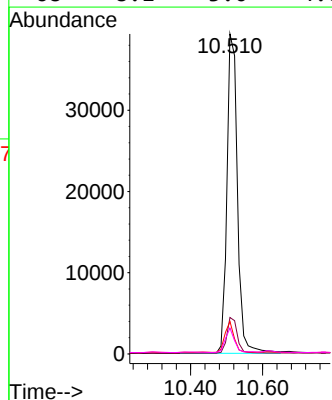
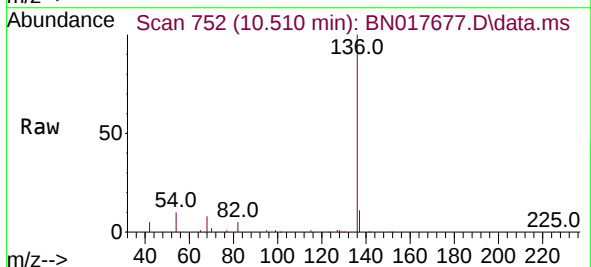
Instrument :
BNA_N
ClientSampleId :

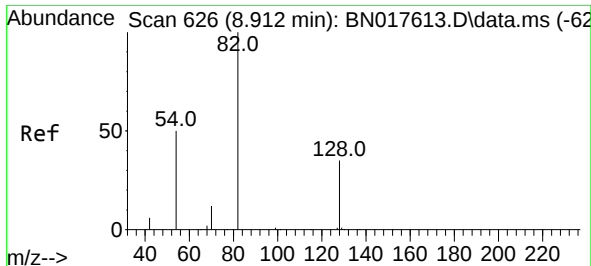
Tgt Ion: 99 Resp: 1977
Ion Ratio Lower Upper
99 100
42 0.0 17.0 25.6#
71 45.8 24.8 37.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

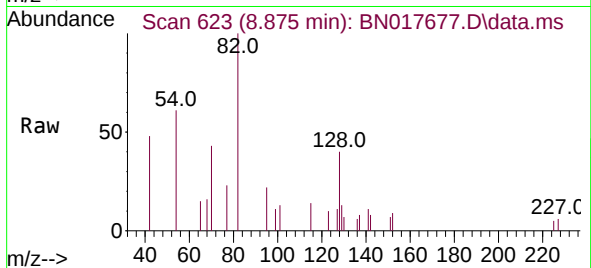
Tgt Ion: 136 Resp: 80116
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 10.2 4.0 6.0#
68 8.1 3.0 4.6#



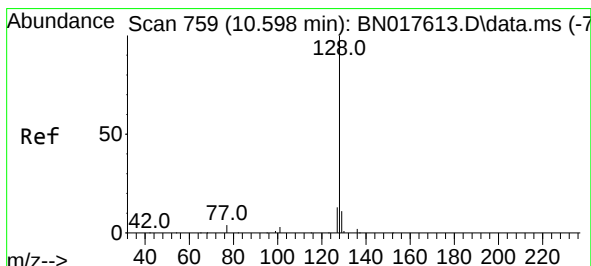
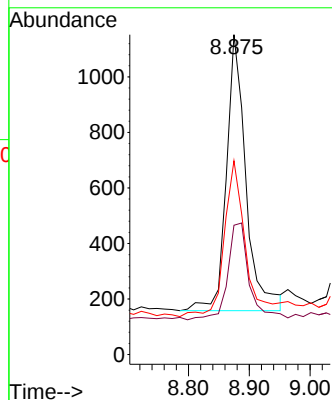
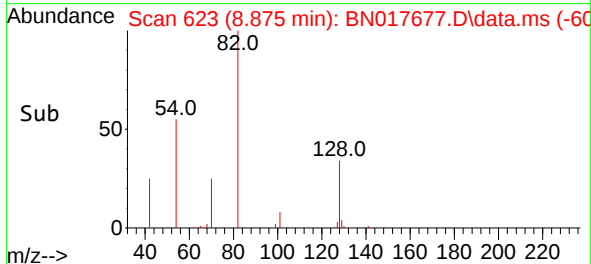


#8
Nitrobenzene-d5
Concen: 0.065 ng
RT: 8.875 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Instrument :
BNA_N
ClientSampleId :

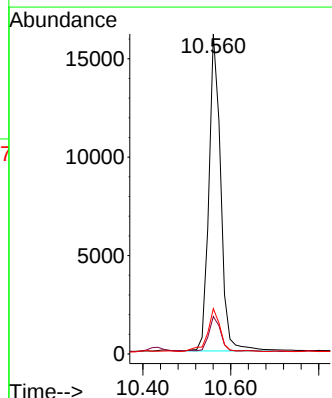
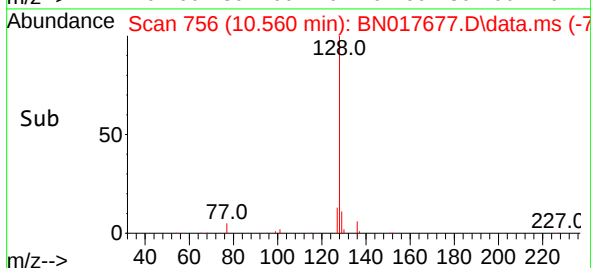
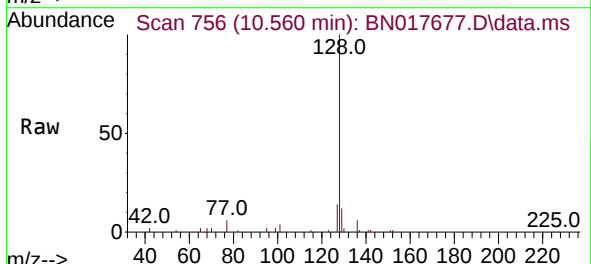


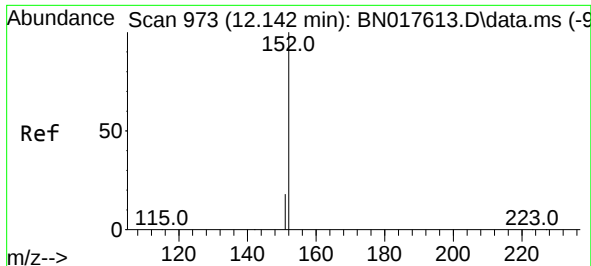
Tgt Ion: 82 Resp: 2216
Ion Ratio Lower Upper
82 100
128 40.5 27.7 41.5
54 60.6 49.2 73.8



#9
Naphthalene
Concen: 0.148 ng
RT: 10.560 min Scan# 756
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Tgt Ion: 128 Resp: 29983
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 14.1 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.038 ng

RT: 12.107 min Scan# 9

Delta R.T. 0.000 min

Lab File: BN017677.D

Acq: 02 Dec 2021 08:51

Instrument :

BNA_N

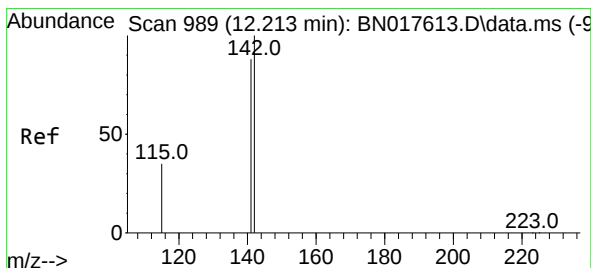
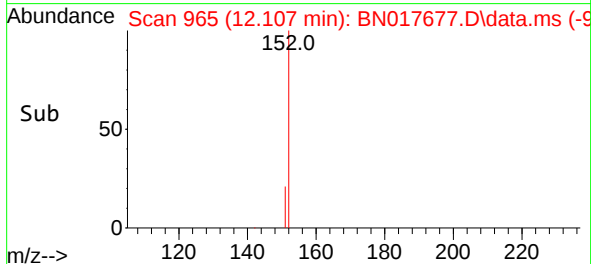
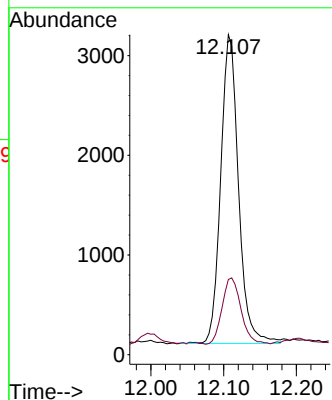
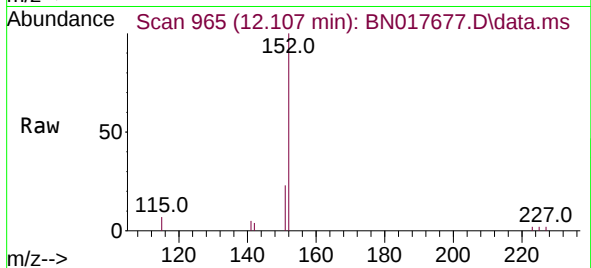
ClientSampleId :

Tgt Ion:152 Resp: 5273

Ion Ratio Lower Upper

152 100

151 22.8 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.079 ng

RT: 12.182 min Scan# 982

Delta R.T. 0.000 min

Lab File: BN017677.D

Acq: 02 Dec 2021 08:51

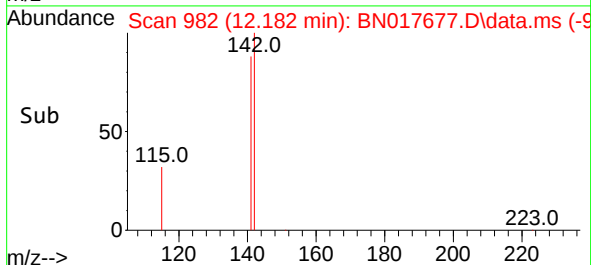
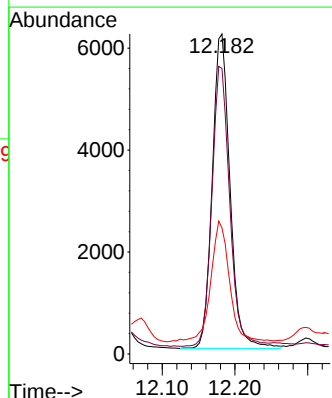
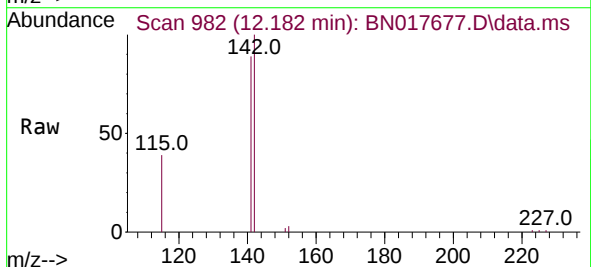
Tgt Ion:142 Resp: 10480

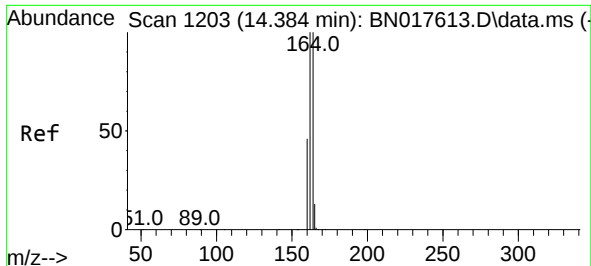
Ion Ratio Lower Upper

142 100

141 89.2 70.6 106.0

115 39.4 25.8 38.6#

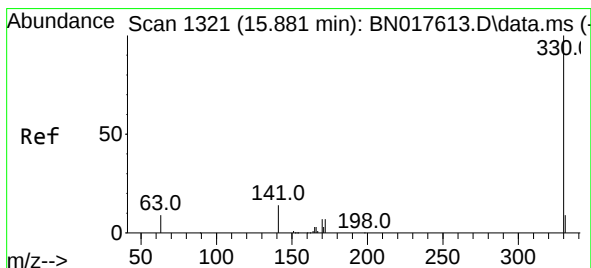
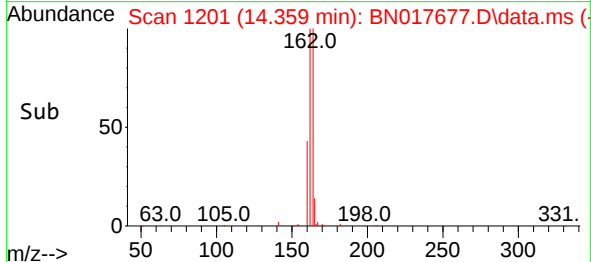
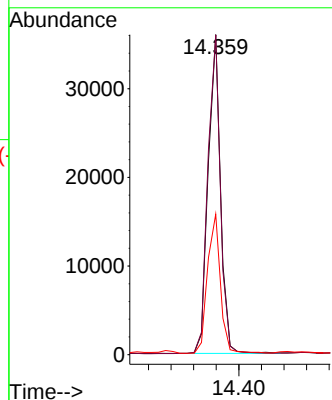
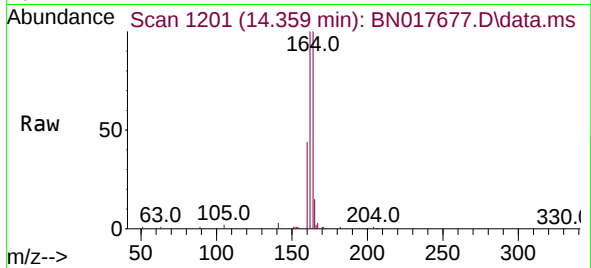




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

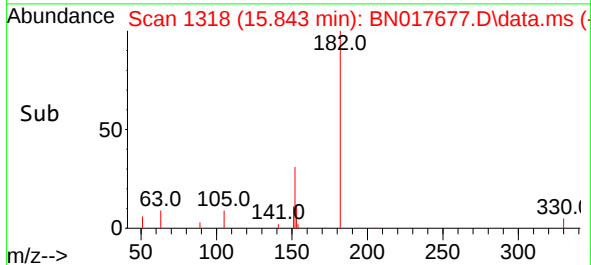
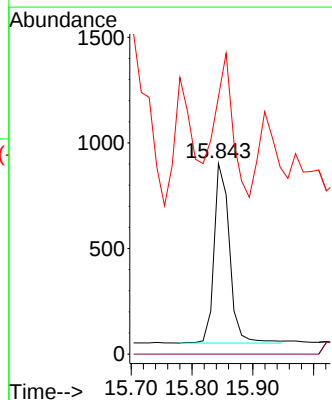
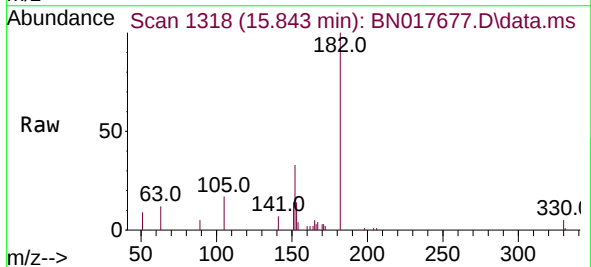
Instrument :
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ClientSampleId :

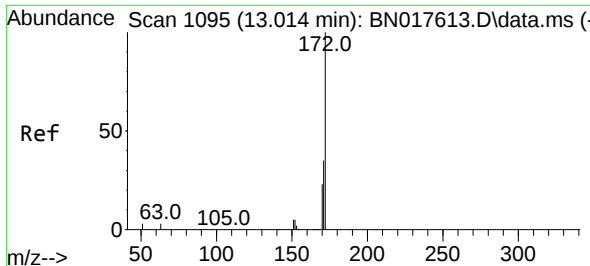
Tgt Ion:164 Resp: 54613
Ion Ratio Lower Upper
164 100
162 99.9 81.4 122.2
160 43.9 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.169 ng
RT: 15.843 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Tgt Ion:330 Resp: 1502
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 89.5 28.9 43.3#

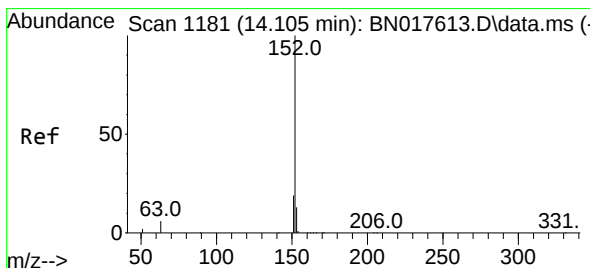
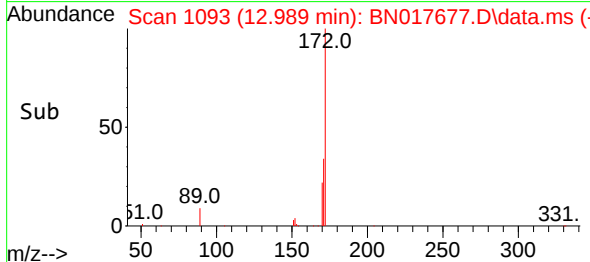
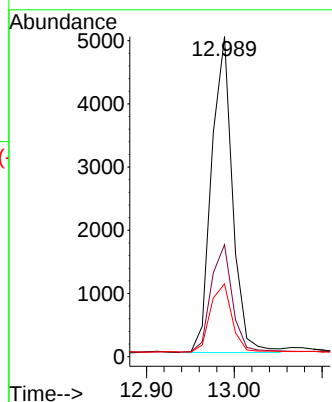
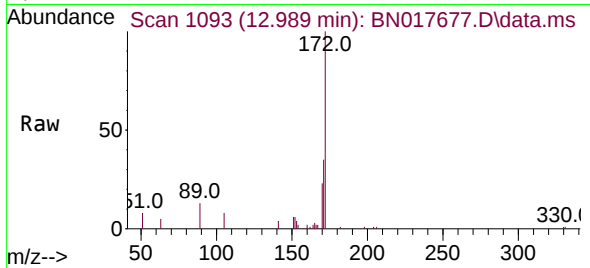




#15
2-Fluorobiphenyl
Concen: 0.039 ng
RT: 12.989 min Scan# 1093
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

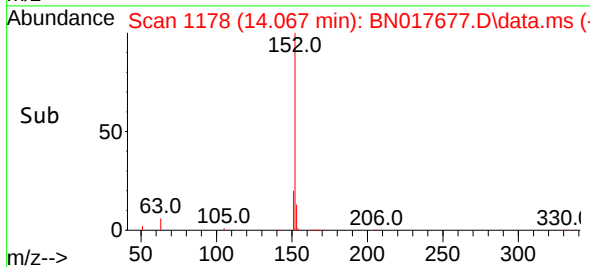
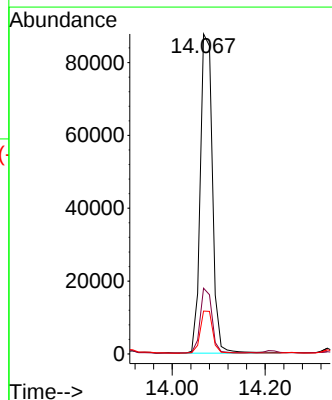
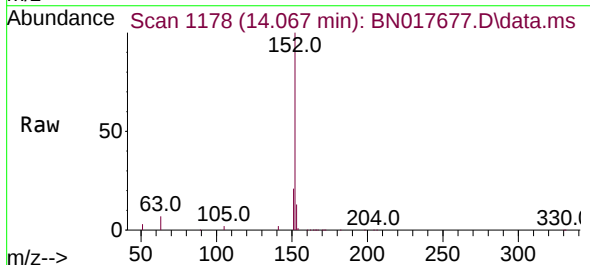
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ClientSampleId :

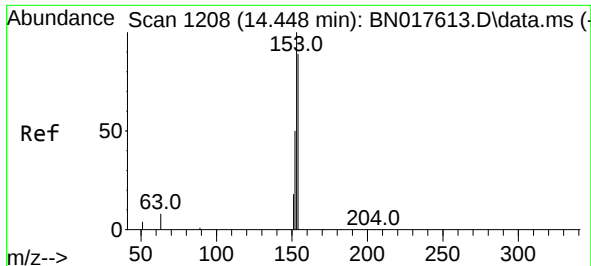
Tgt Ion:172 Resp: 8306
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 22.8 19.4 29.2



#16
Acenaphthylene
Concen: 0.751 ng
RT: 14.067 min Scan# 1178
Delta R.T. -0.013 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Tgt Ion:152 Resp: 160053
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.5 10.4 15.6

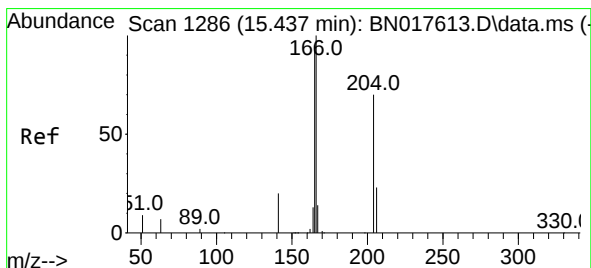
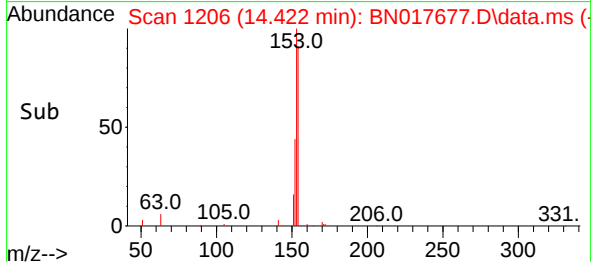
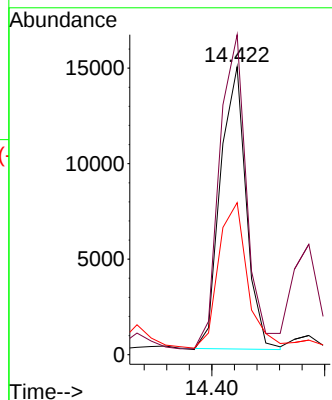
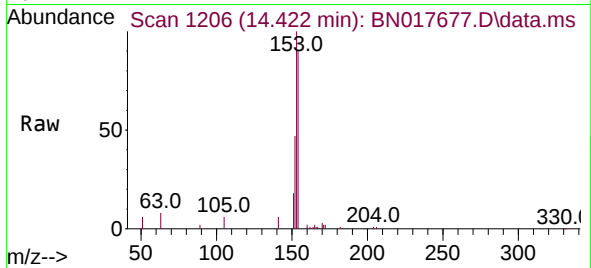




#17
Acenaphthene
Concen: 0.159 ng
RT: 14.422 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

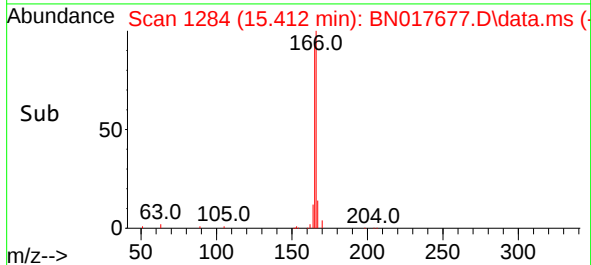
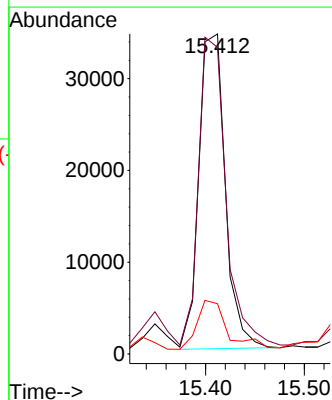
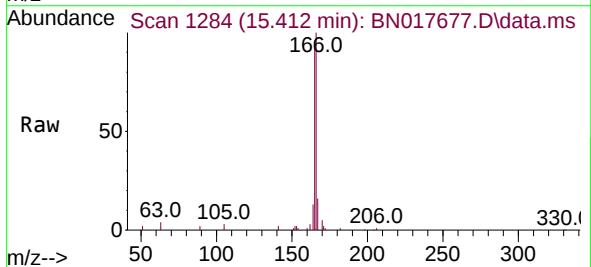
Instrument :
BNA_N
ClientSampleId :

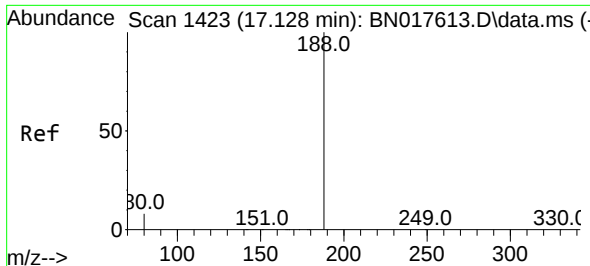
Tgt Ion:154 Resp: 23360
Ion Ratio Lower Upper
154 100
153 118.2 91.2 136.8
152 62.1 44.3 66.5



#18
Fluorene
Concen: 0.356 ng
RT: 15.412 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Tgt Ion:166 Resp: 63711
Ion Ratio Lower Upper
166 100
165 100.9 77.9 116.9
167 18.0 10.9 16.3#

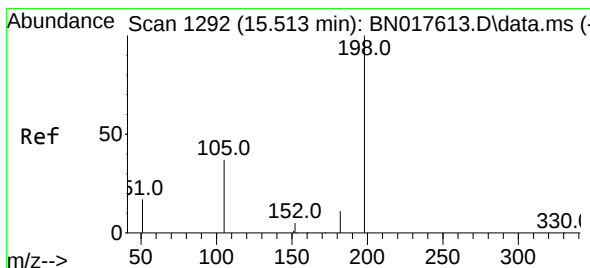
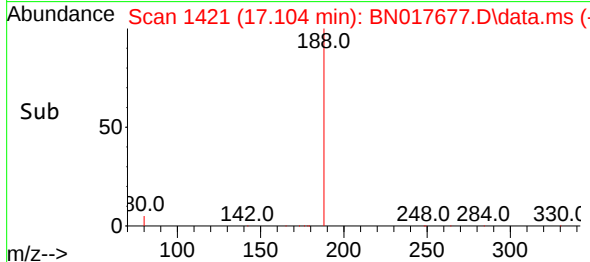
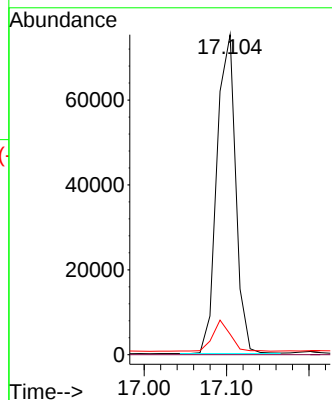
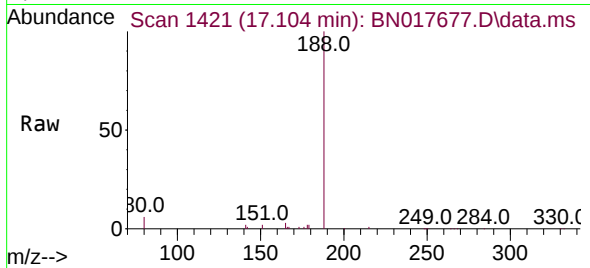




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

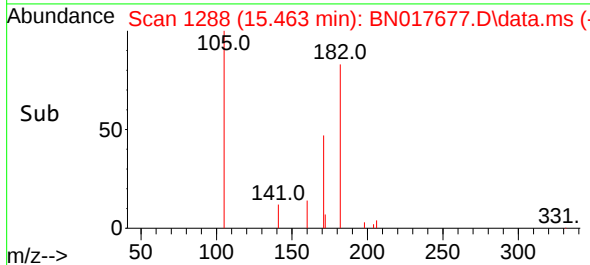
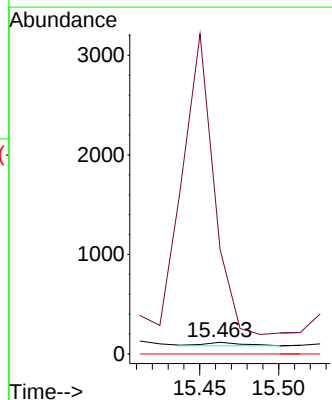
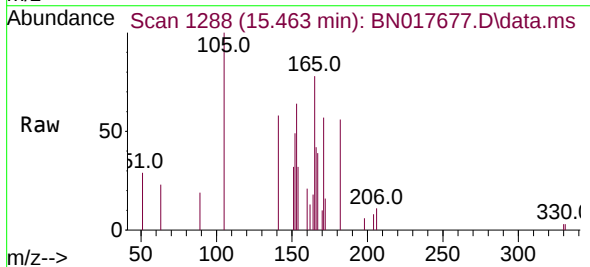
Instrument :
BNA_N
ClientSampleId :

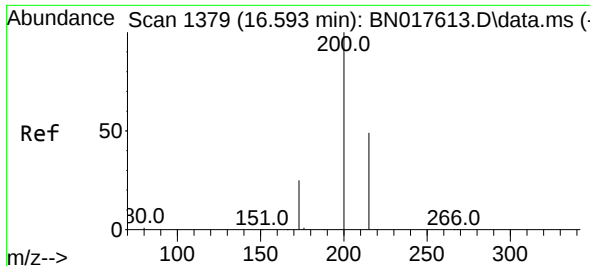
Tgt Ion:188 Resp: 119034
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.4 6.1 9.1



#20
4,6-Dinitro-2-methylphenol
Concen: 0.067 ng
RT: 15.463 min Scan# 1288
Delta R.T. -0.025 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Tgt Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
182 900.0 11.4 17.2#
77 0.0 0.0 0.0

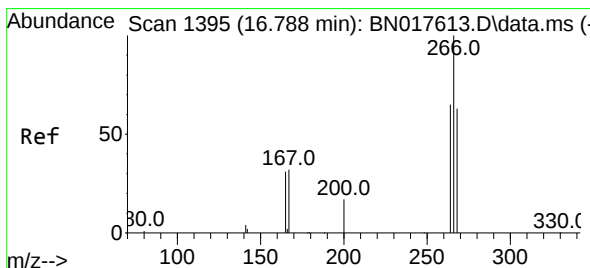
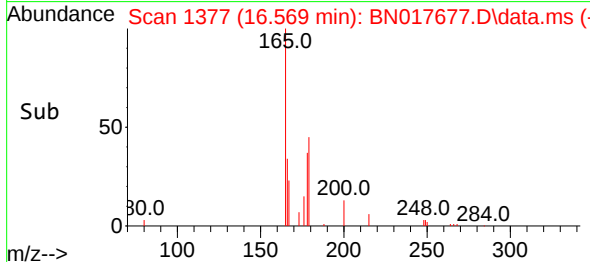
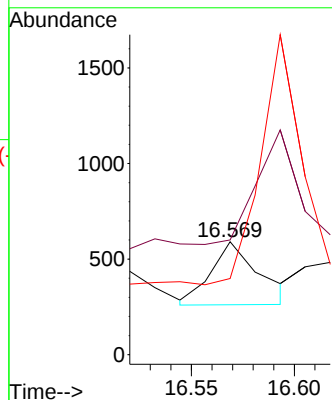
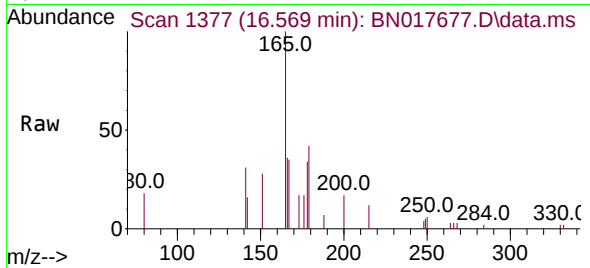




#23
Atrazine
Concen: 0.140 ng
RT: 16.569 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

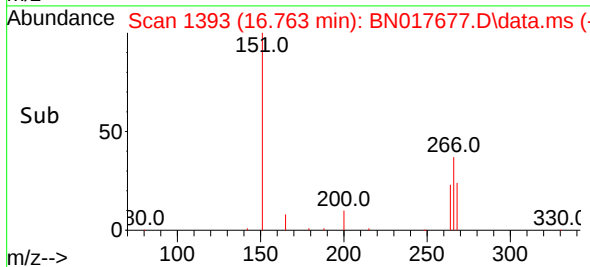
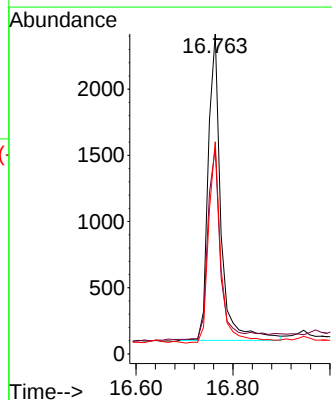
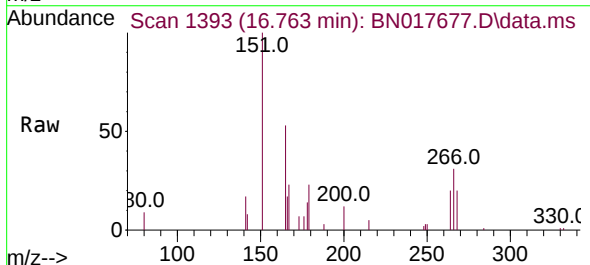
Instrument :
BNA_N
ClientSampleId :

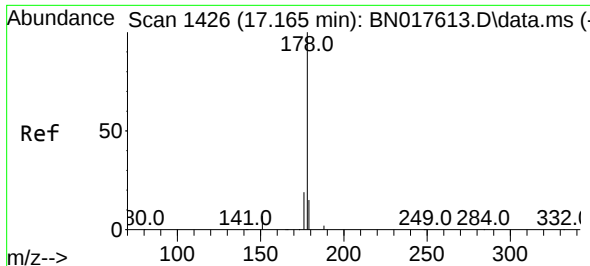
Tgt Ion:200 Resp: 534
Ion Ratio Lower Upper
200 100
173 101.5 17.6 26.4#
215 67.5 40.2 60.4#



#24
Pentachlorophenol
Concen: 0.286 ng
RT: 16.763 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Tgt Ion:266 Resp: 4233
Ion Ratio Lower Upper
266 100
264 60.7 49.8 74.8
268 63.8 51.3 76.9

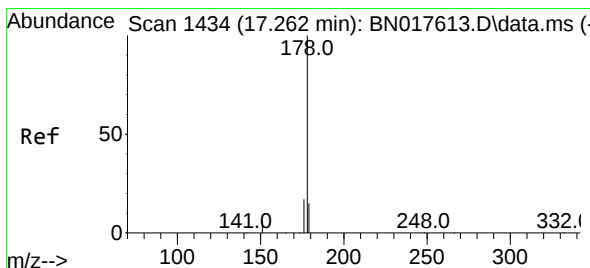
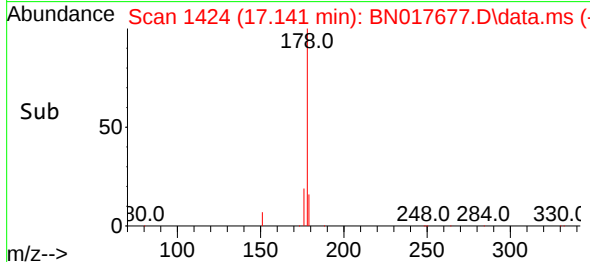
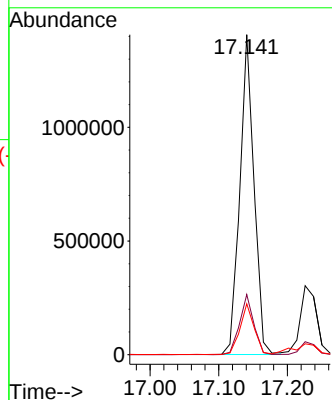
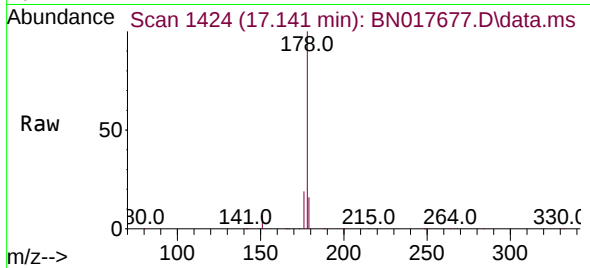




#25
Phenanthrene
Concen: 6.201 ng
RT: 17.141 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

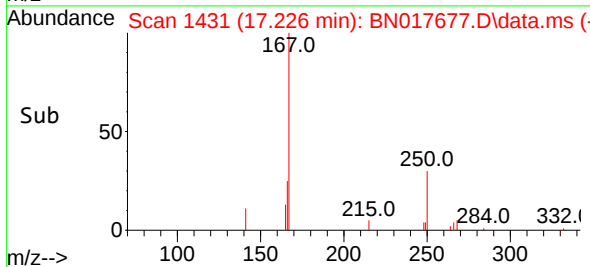
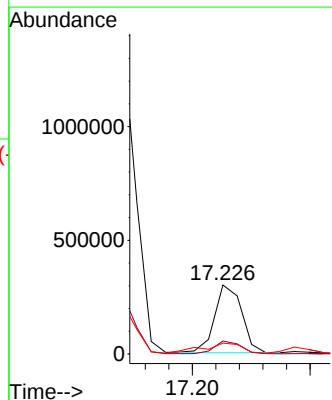
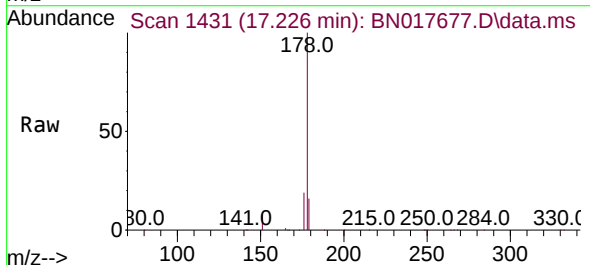
Instrument :
BNA_N
ClientSampleId :

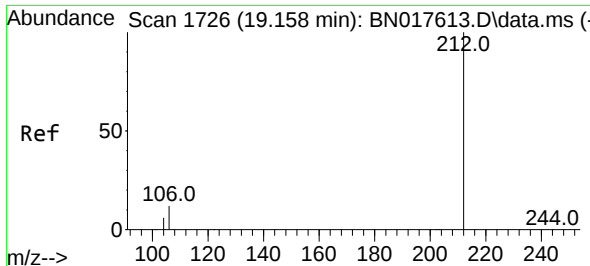
Tgt Ion:178 Resp: 2024281
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.8 12.3 18.5



#26
Anthracene
Concen: 1.691 ng
RT: 17.226 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Tgt Ion:178 Resp: 474268
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 22.2 12.2 18.4#





#27

Fluoranthene-d10

Concen: 0.037 ng

RT: 19.134 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN017677.D

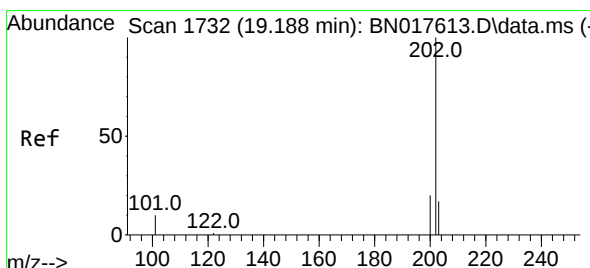
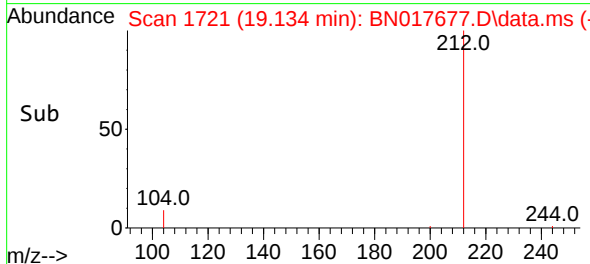
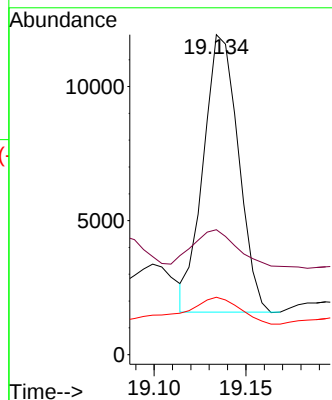
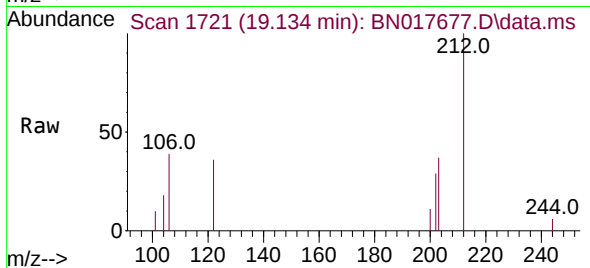
Acq: 02 Dec 2021 08:51

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:212	Resp:	13744
Ion Ratio	Lower	Upper
212	100	
106	18.3	10.5 15.7#
104	17.2	5.8 8.6#



#28

Fluoranthene

Concen: 8.951 ng

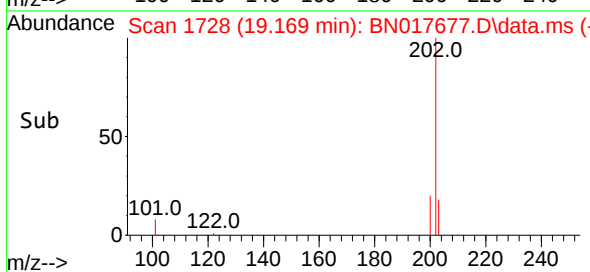
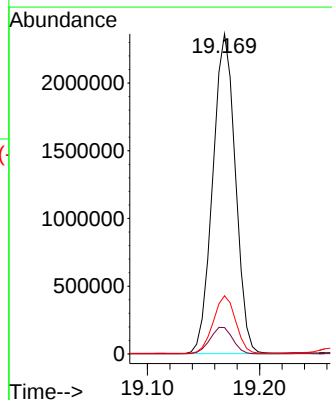
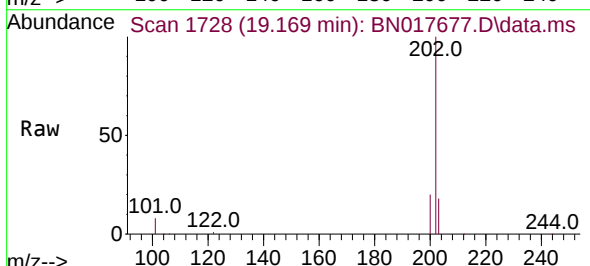
RT: 19.169 min Scan# 1728

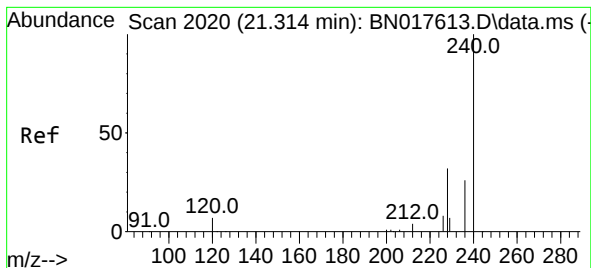
Delta R.T. 0.005 min

Lab File: BN017677.D

Acq: 02 Dec 2021 08:51

Tgt Ion:202	Resp:	3307084
Ion Ratio	Lower	Upper
202	100	
101	8.4	8.9 13.3#
203	17.8	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: BN017677.D

Acq: 02 Dec 2021 08:51

Instrument :

BNA_N

ClientSampleId :

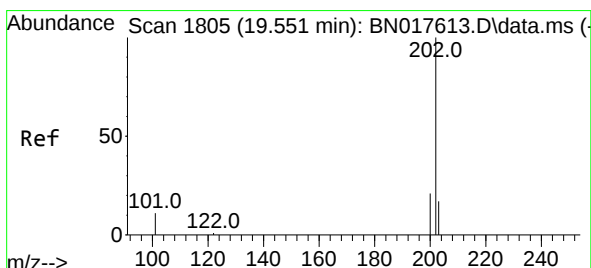
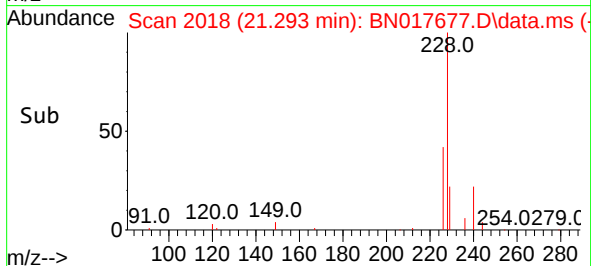
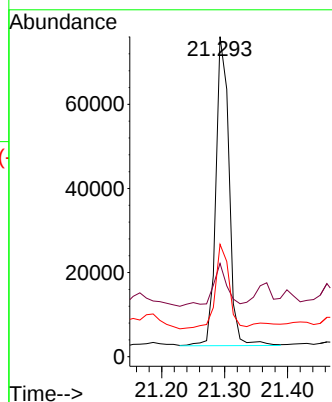
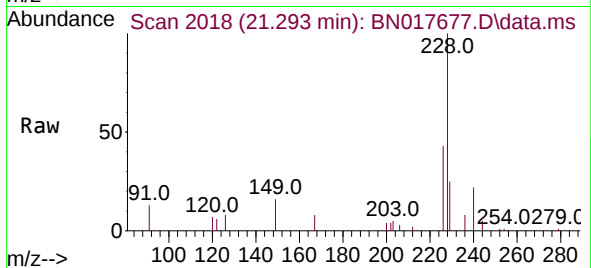
Tgt Ion:240 Resp: 107561

Ion Ratio Lower Upper

240 100

120 29.2 4.2 6.2#

236 35.1 20.0 30.0#



#30

Pyrene

Concen: 7.697 ng

RT: 19.531 min Scan# 1801

Delta R.T. 0.005 min

Lab File: BN017677.D

Acq: 02 Dec 2021 08:51

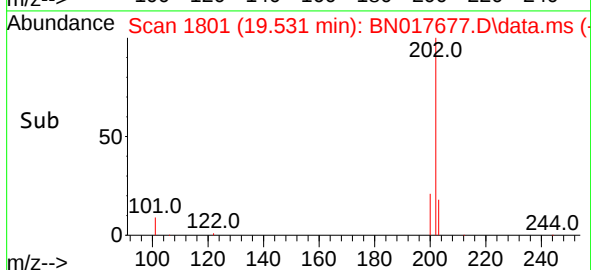
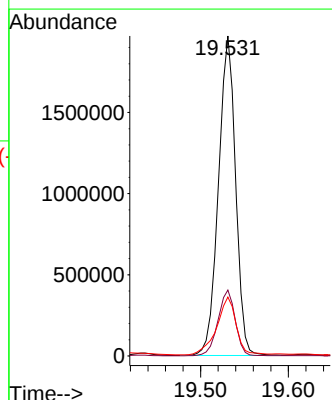
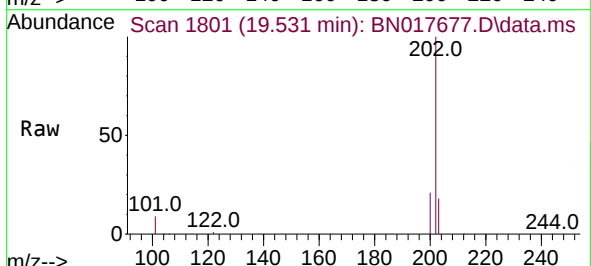
Tgt Ion:202 Resp: 2672383

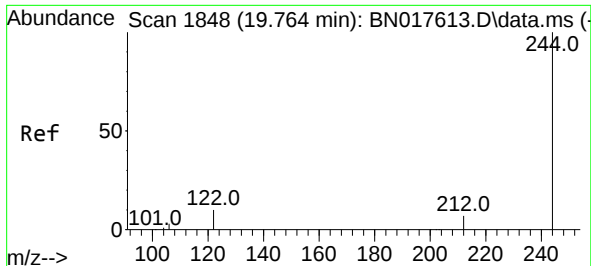
Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

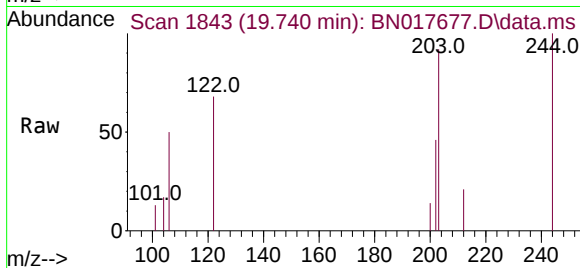
203 20.6 14.0 21.0



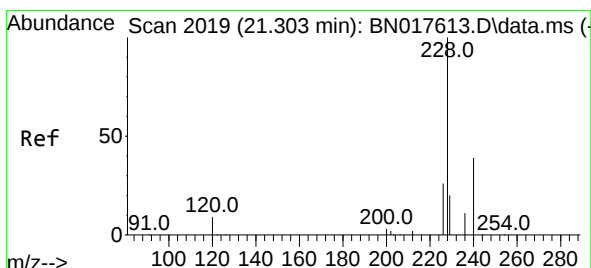
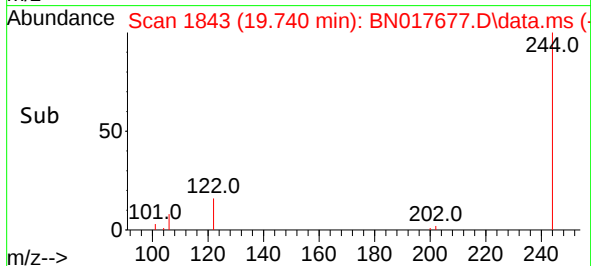
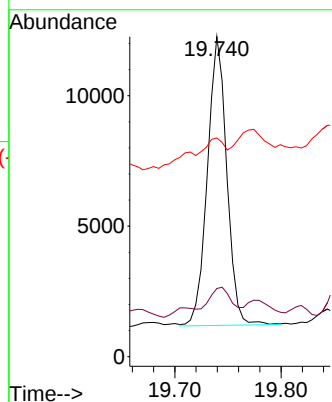


#31
 Terphenyl-d14
 Concen: 0.059 ng
 RT: 19.740 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN017677.D
 Acq: 02 Dec 2021 08:51

Instrument :
 BNA_N
 ClientSampleId :

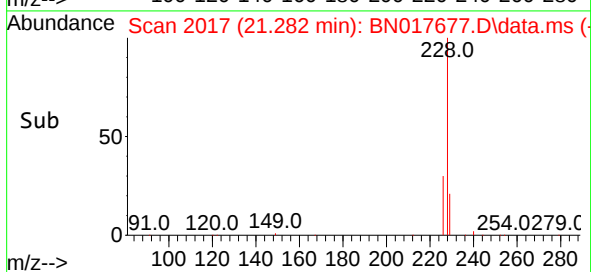
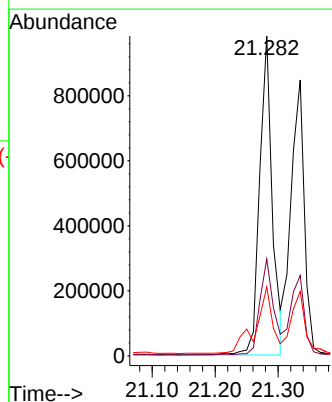
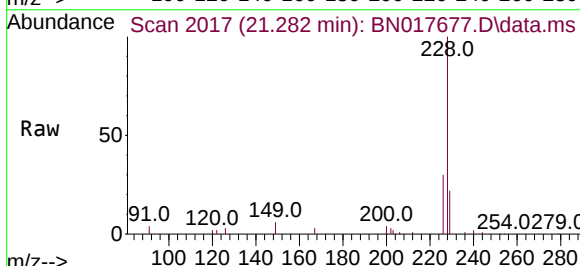


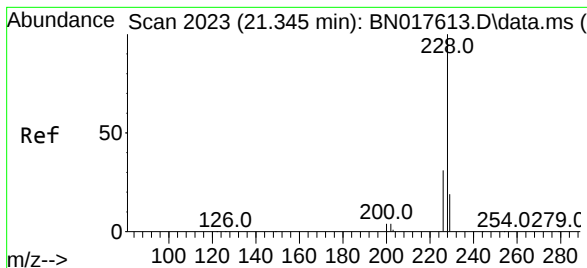
Tgt Ion:244 Resp: 13989
 Ion Ratio Lower Upper
 244 100
 212 21.3 5.7 8.5#
 122 68.3 8.6 13.0#



#32
 Benzo(a)anthracene
 Concen: 4.210 ng
 RT: 21.282 min Scan# 2017
 Delta R.T. 0.011 min
 Lab File: BN017677.D
 Acq: 02 Dec 2021 08:51

Tgt Ion:228 Resp: 1375329
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.3 31.9
 229 21.6 15.7 23.5





#33

Chrysene

Concen: 3.496 ng

RT: 21.335 min Scan# 2012

Delta R.T. 0.011 min

Lab File: BN017677.D

Acq: 02 Dec 2021 08:51

Instrument :

BNA_N

ClientSampleId :

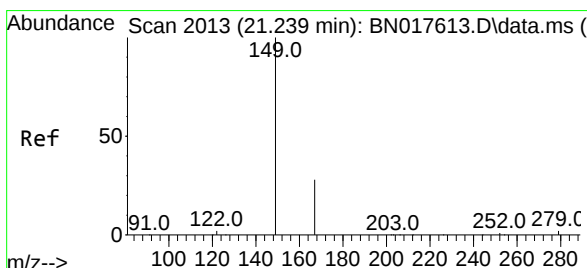
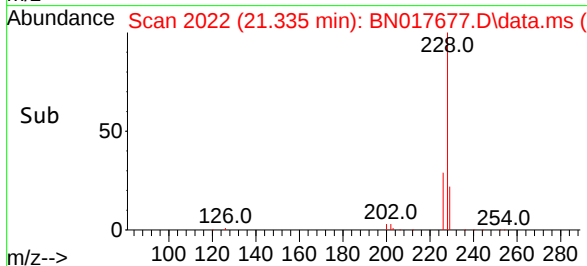
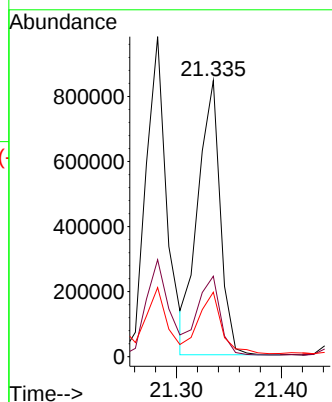
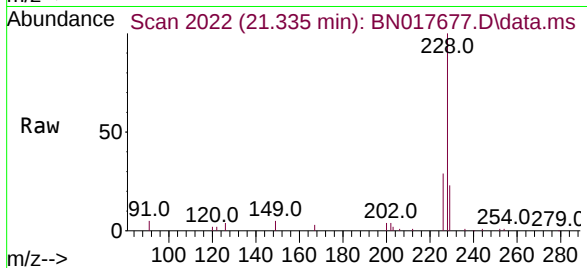
Tgt Ion:228 Resp: 1242573

Ion Ratio Lower Upper

228 100

226 29.1 23.3 34.9

229 23.4 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 15.126 ng

RT: 21.229 min Scan# 2012

Delta R.T. 0.011 min

Lab File: BN017677.D

Acq: 02 Dec 2021 08:51

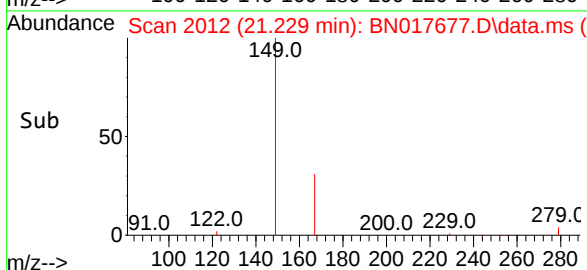
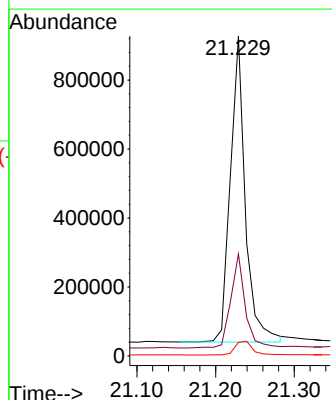
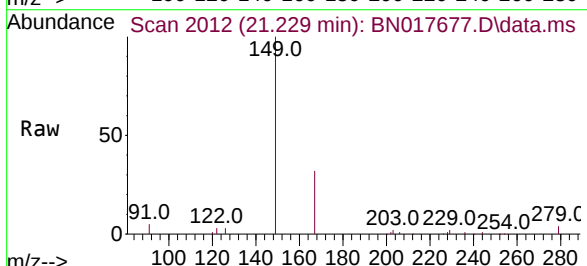
Tgt Ion:149 Resp: 1172167

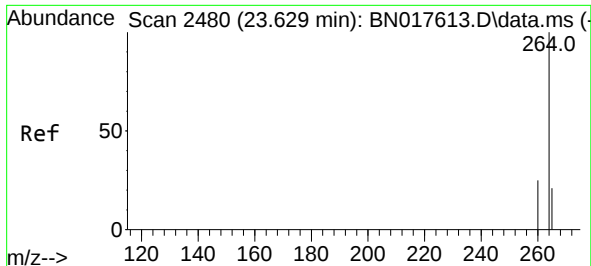
Ion Ratio Lower Upper

149 100

167 29.6 21.8 32.6

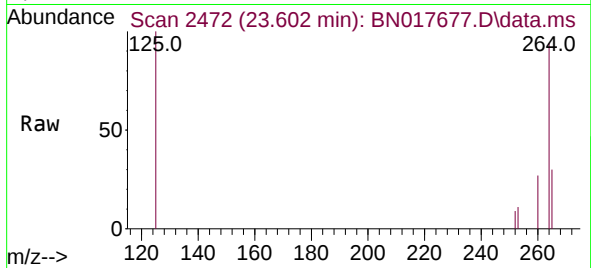
279 5.2 3.4 5.0#



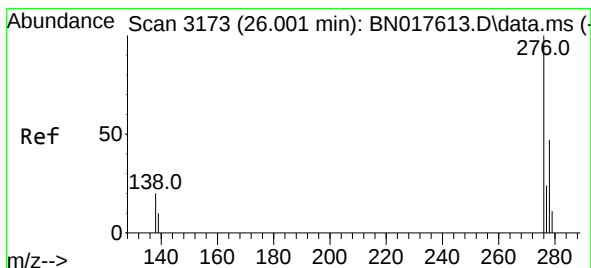
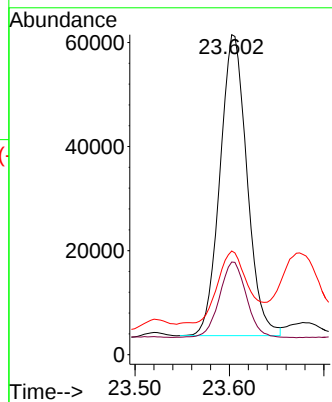
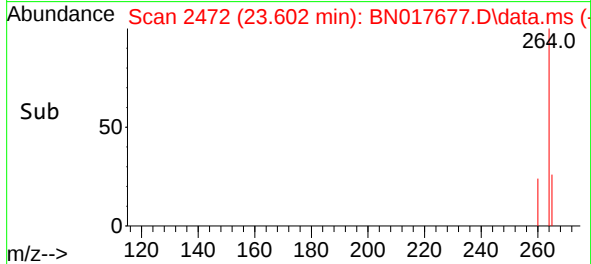


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.602 min Scan# 2480
 Delta R.T. 0.021 min
 Lab File: BN017677.D
 Acq: 02 Dec 2021 08:51

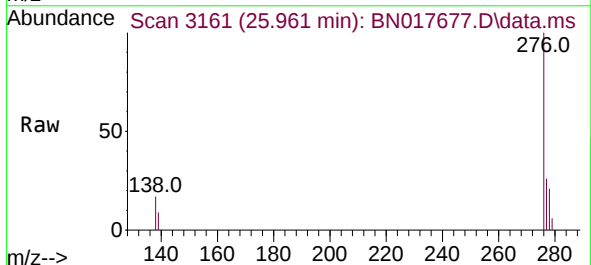
Instrument :
 BNA_N
 ClientSampleId :



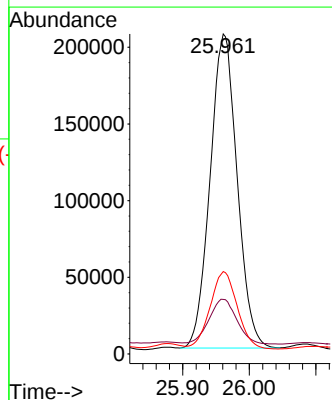
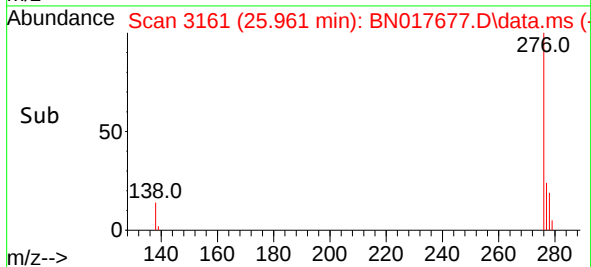
Tgt Ion:264 Resp: 114550
 Ion Ratio Lower Upper
 264 100
 260 29.0 19.4 29.2
 265 32.4 18.6 28.0#

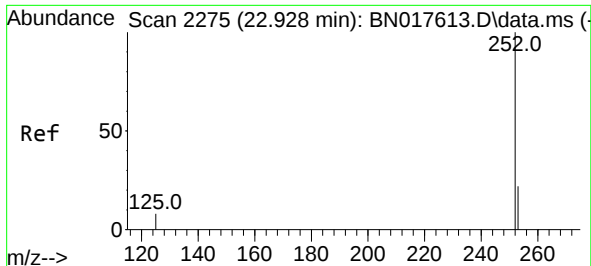


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.555 ng
 RT: 25.961 min Scan# 3161
 Delta R.T. 0.021 min
 Lab File: BN017677.D
 Acq: 02 Dec 2021 08:51



Tgt Ion:276 Resp: 578246
 Ion Ratio Lower Upper
 276 100
 138 14.7 19.7 29.5#
 277 24.8 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 4.248 ng

RT: 22.911 min Scan# 21

Delta R.T. 0.024 min

Lab File: BN017677.D

Acq: 02 Dec 2021 08:51

Instrument :

BN017677.D

ClientSampleId :

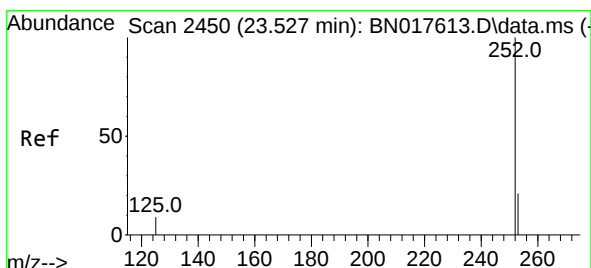
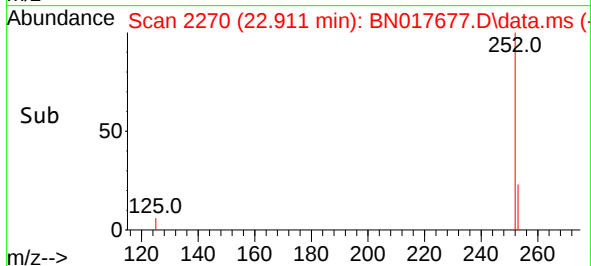
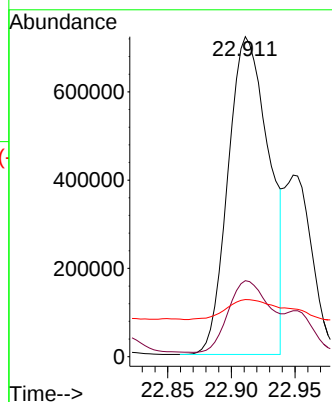
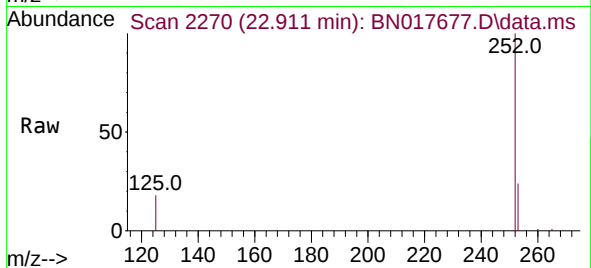
Tgt Ion:252 Resp: 1613535

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 17.9 7.8 11.8#



#39

Benzo(a)pyrene

Concen: 3.108 ng

RT: 23.503 min Scan# 2443

Delta R.T. 0.024 min

Lab File: BN017677.D

Acq: 02 Dec 2021 08:51

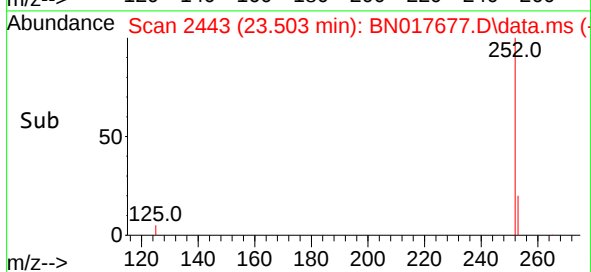
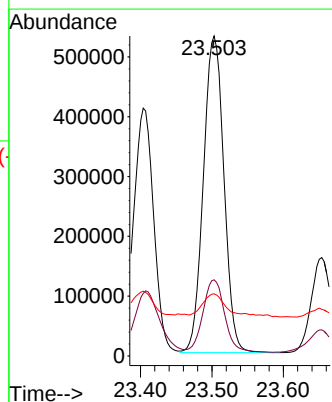
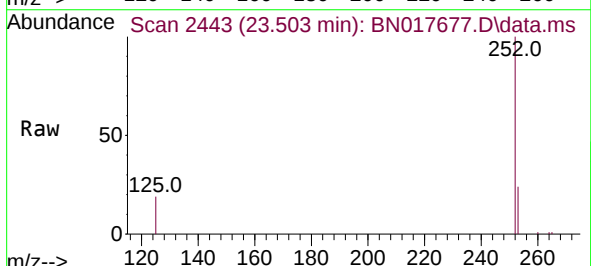
Tgt Ion:252 Resp: 1056968

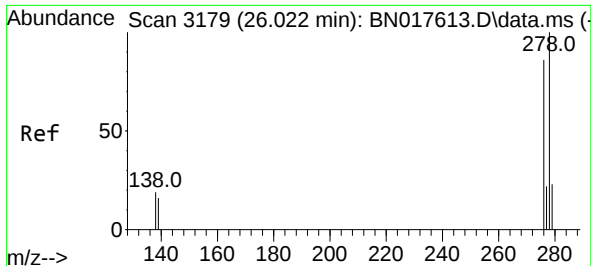
Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

125 19.4 9.2 13.8#

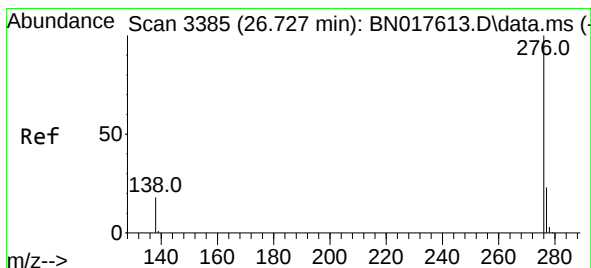
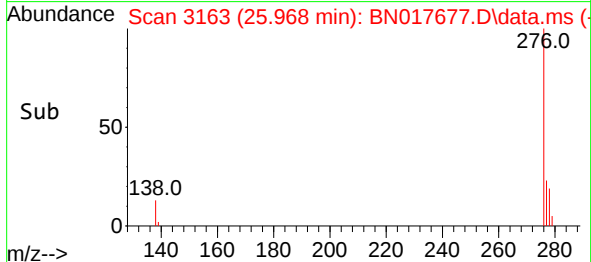
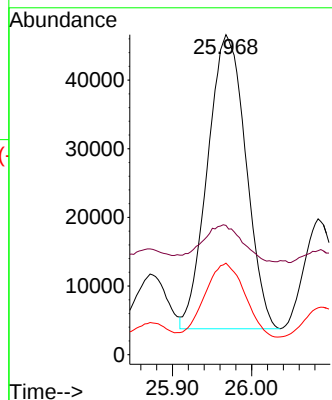
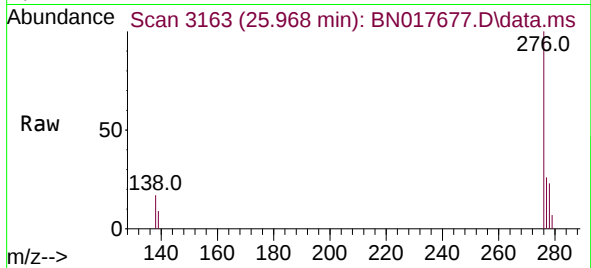




#40
Dibenzo(a,h)anthracene
Concen: 0.473 ng
RT: 25.968 min Scan# 3179
Delta R.T. 0.014 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 143883
Ion Ratio Lower Upper
278 100
139 40.4 13.0 19.6#
279 28.6 19.2 28.8



#41
Benzo(g,h,i)perylene
Concen: 1.579 ng
RT: 26.683 min Scan# 3372
Delta R.T. 0.027 min
Lab File: BN017677.D
Acq: 02 Dec 2021 08:51

Tgt Ion:276 Resp: 493780
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.4
138 17.5 17.1 25.7

