

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100622\
 Data File : BN022018.D
 Acq On : 06 Oct 2022 13:59
 Operator : CG/JU
 Sample : N4785-05DL 25X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Oct 07 00:40:01 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 01:32:21 2022
 Response via : Initial Calibration

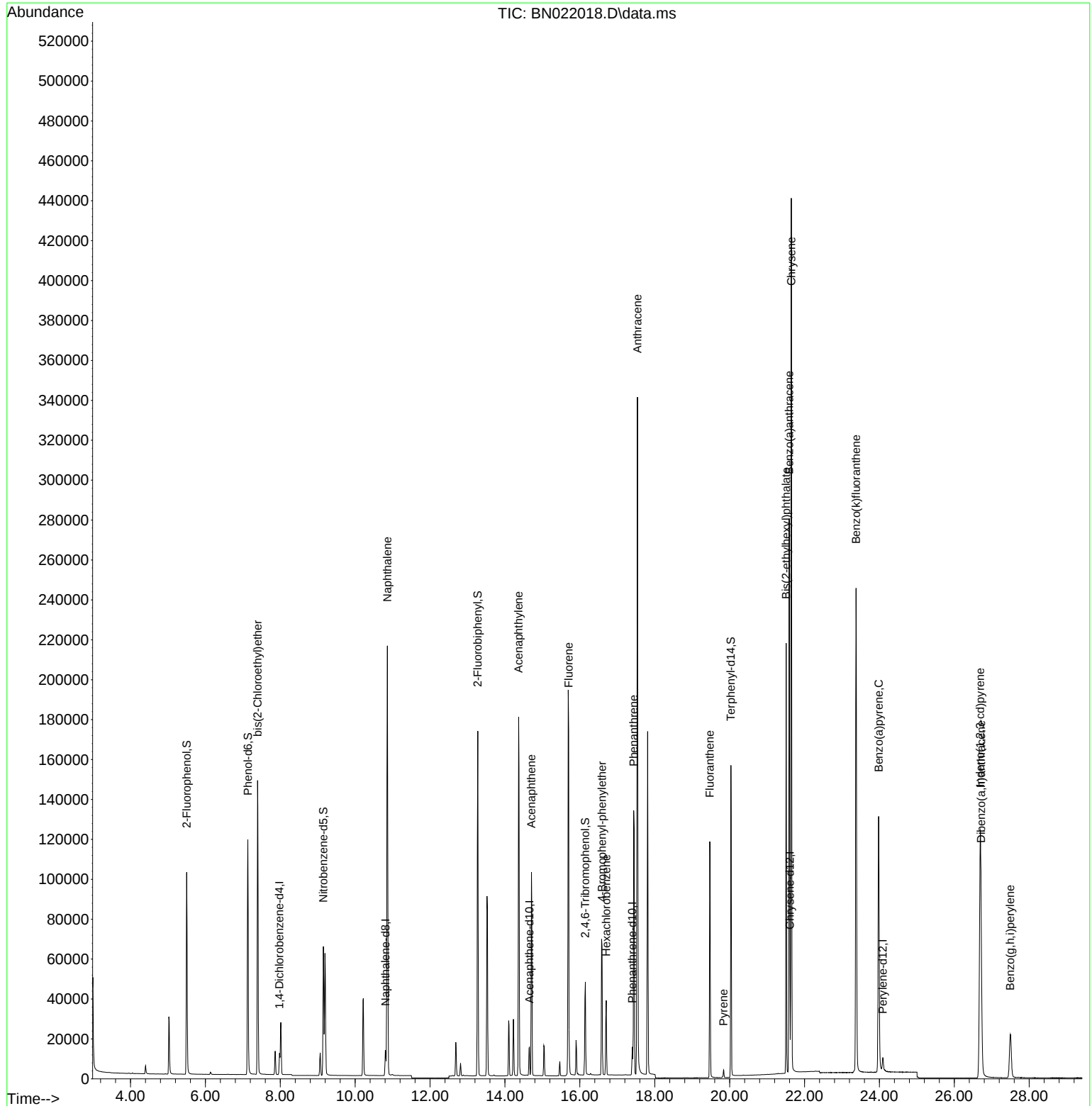
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	5160	0.400	ng	0.00
7) Naphthalene-d8	10.806	136	16353	0.400	ng	-0.01
13) Acenaphthene-d10	14.653	164	8724	0.400	ng	0.00
19) Phenanthrene-d10	17.400	188	17331	0.400	ng	#-0.01
29) Chrysene-d12	21.609	240	14984	0.400	ng	0.00
35) Perylene-d12	24.093	264	10223	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.501	112	81046	6.780	ng	-0.01
5) Phenol-d6	7.133	99	110091	7.098	ng	-0.01
8) Nitrobenzene-d5	9.151	82	51640	3.928	ng	-0.01
11) 2-Methylnaphthalene-d10	12.376	152	54	0.002	ng	-0.03
14) 2,4,6-Tribromophenol	16.146	330	26261	7.893	ng	0.00
15) 2-Fluorobiphenyl	13.274	172	145507	3.817	ng	-0.01
27) Fluoranthene-d10	19.437	212	11	0.000	ng	0.00
31) Terphenyl-d14	20.033	244	127716	4.240	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.393	93	106399	6.492	ng	97
9) Naphthalene	10.859	128	278329	5.636	ng	99
16) Acenaphthylene	14.365	152	200103	4.821	ng	100
17) Acenaphthene	14.707	154	50899	1.744	ng	98
18) Fluorene	15.701	166	58489	1.662	ng	99
21) 4-Bromophenyl-phenylether	16.593	248	29023	2.749	ng	# 82
22) Hexachlorobenzene	16.705	284	28847	2.197	ng	99
25) Phenanthrene	17.437	178	152889	2.566	ng	100
26) Anthracene	17.536	178	343032	7.172	ng	100
28) Fluoranthene	19.470	202	107151	1.679	ng	99
30) Pyrene	19.837	202	3585	0.054	ng	# 94
32) Benzo(a)anthracene	21.591	228	225521	4.003	ng	100
33) Chrysene	21.645	228	346887	5.548	ng	99
34) Bis(2-ethylhexyl)phtha...	21.510	149	169163	6.257	ng	98
36) Indeno(1,2,3-cd)pyrene	26.692	276	227168	4.398	ng	94
38) Benzo(k)fluoranthene	23.377	252	320339	6.640	ng	# 91
39) Benzo(a)pyrene	23.979	252	195448	5.288	ng	# 83
40) Dibenzo(a,h)anthracene	26.713	278	68466	1.662	ng	95
41) Benzo(g,h,i)perylene	27.496	276	50318	1.131	ng	98

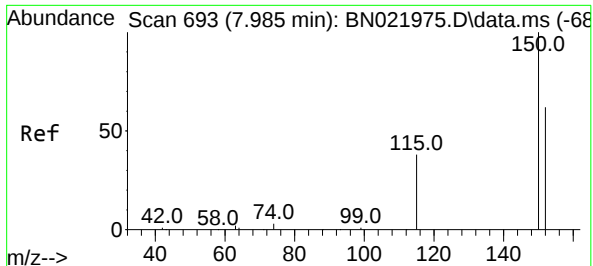
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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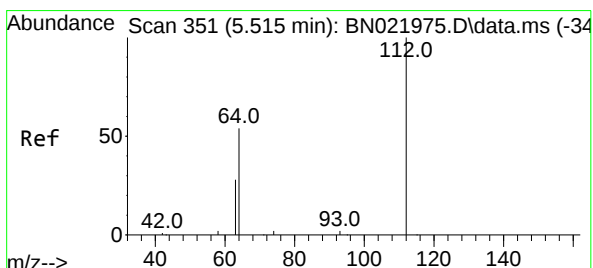
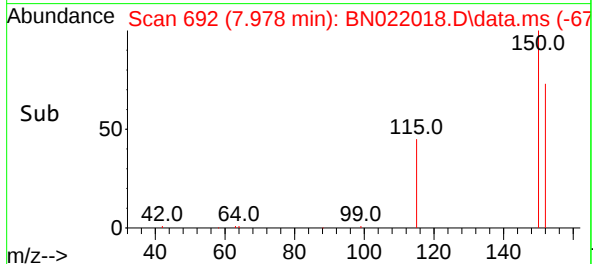
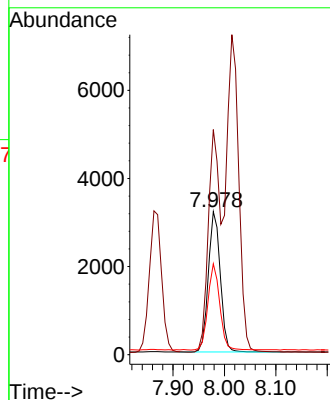
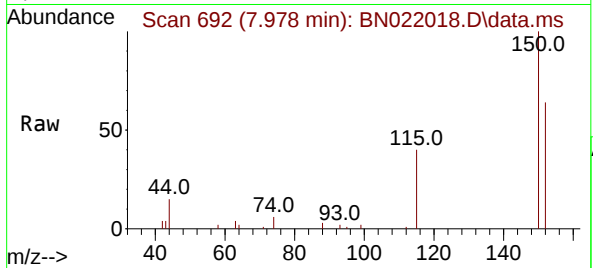




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.978 min Scan# 693
Delta R.T. -0.007 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

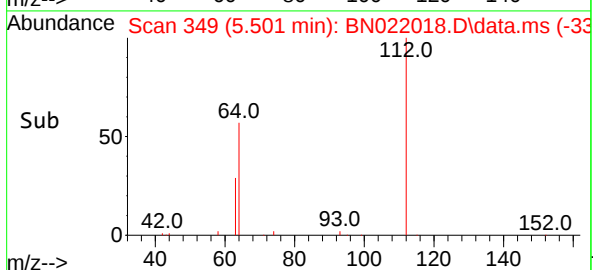
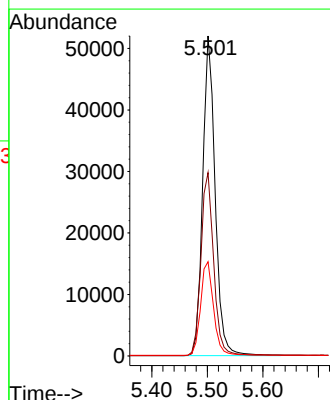
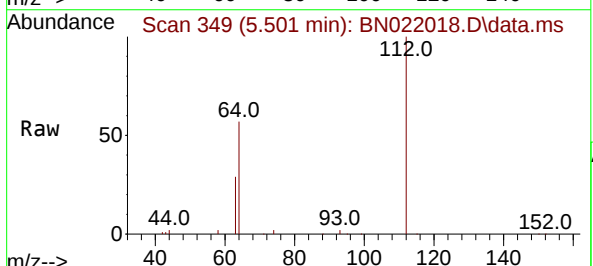
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BNA_N
ClientSampleId :
PT-BN-WPDL

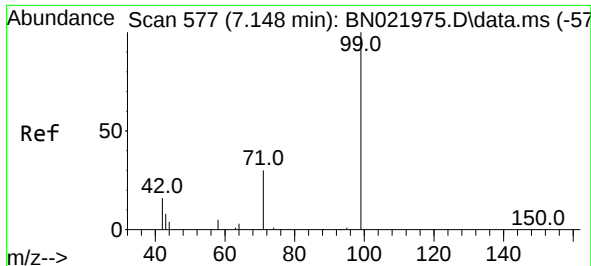
Tgt Ion:152 Resp: 5160
Ion Ratio Lower Upper
152 100
150 157.4 127.2 190.8
115 63.5 51.4 77.0



#4
2-Fluorophenol
Concen: 6.780 ng
RT: 5.501 min Scan# 349
Delta R.T. -0.014 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:112 Resp: 81046
Ion Ratio Lower Upper
112 100
64 58.6 46.9 70.3
63 30.5 24.6 37.0

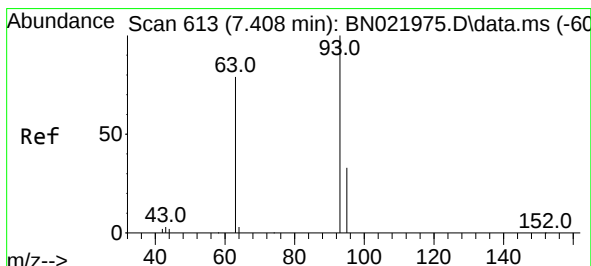
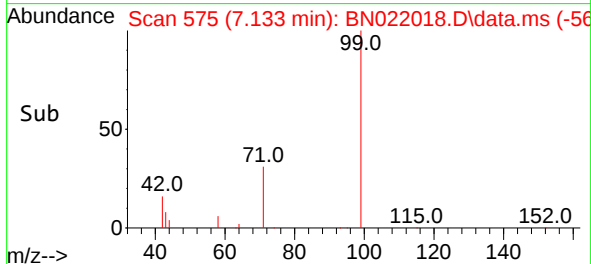
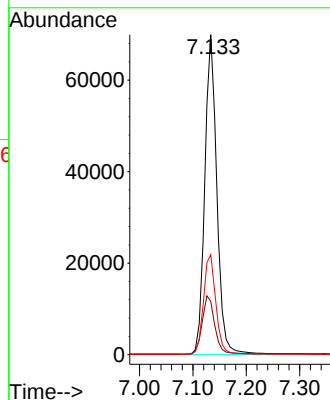
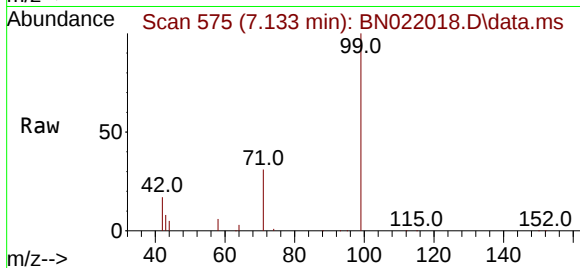




#5
Phenol-d6
Concen: 7.098 ng
RT: 7.133 min Scan# 511
Delta R.T. -0.014 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

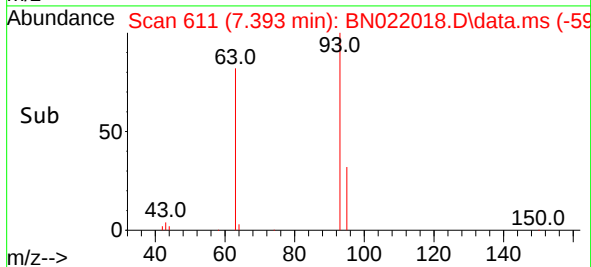
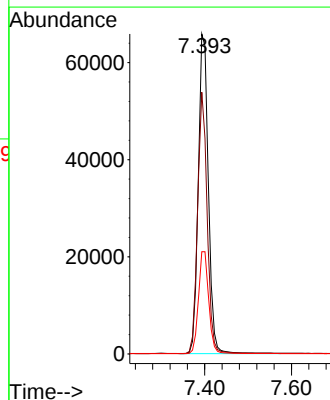
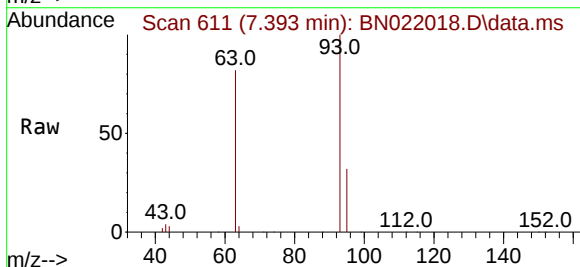
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

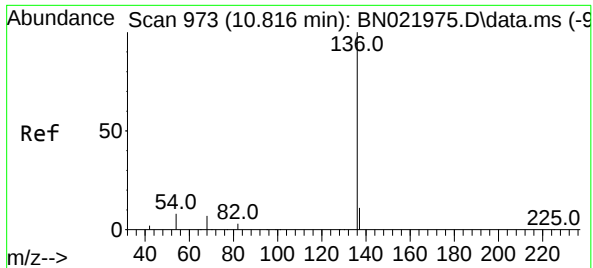
Tgt Ion: 99 Resp: 110091
Ion Ratio Lower Upper
99 100
42 18.8 15.9 23.9
71 32.2 25.6 38.4



#6
bis(2-Chloroethyl)ether
Concen: 6.492 ng
RT: 7.393 min Scan# 611
Delta R.T. -0.014 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion: 93 Resp: 106399
Ion Ratio Lower Upper
93 100
63 78.0 64.8 97.2
95 32.5 26.6 40.0

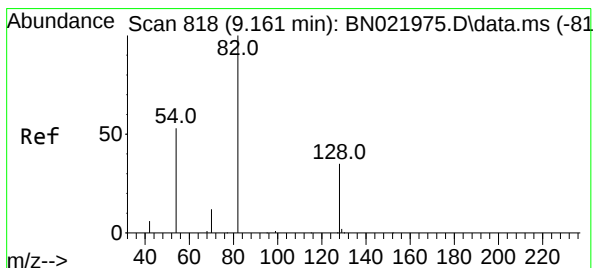
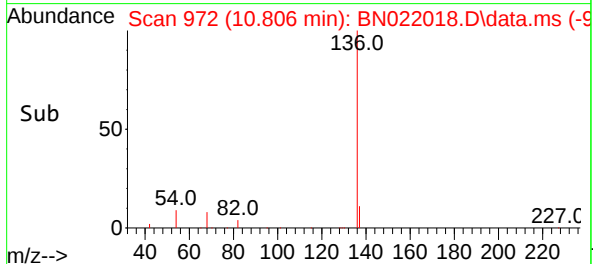
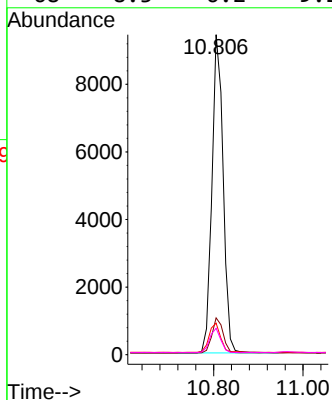
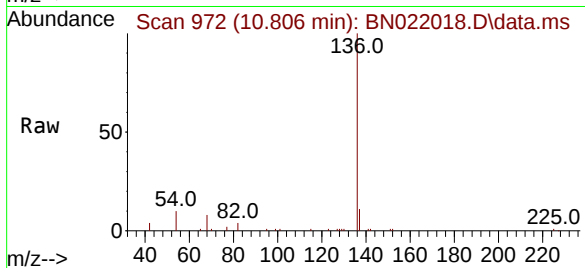




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.806 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

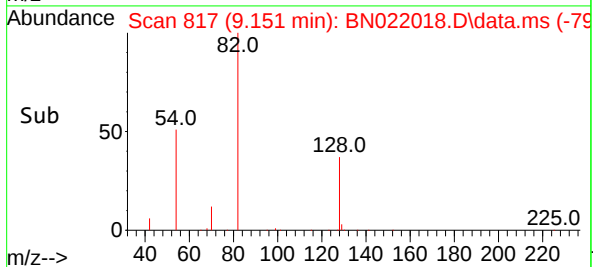
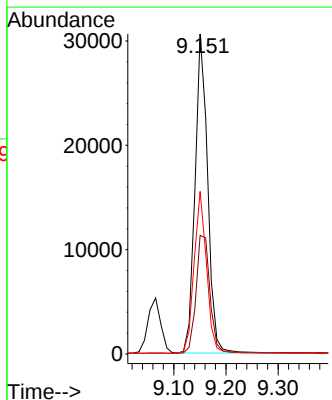
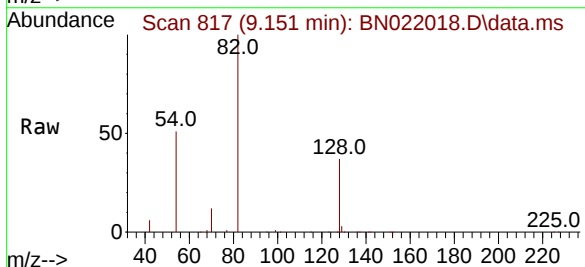
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

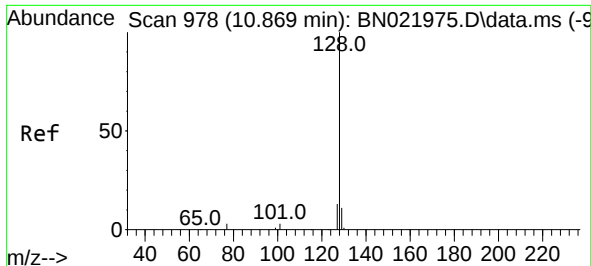
Tgt Ion:	136	Resp:	16353
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	9.9	7.1	10.7
68	8.3	6.2	9.2



#8
Nitrobenzene-d5
Concen: 3.928 ng
RT: 9.151 min Scan# 817
Delta R.T. -0.011 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:	82	Resp:	51640
Ion	Ratio	Lower	Upper
82	100		
128	37.1	29.9	44.9
54	50.8	43.5	65.3

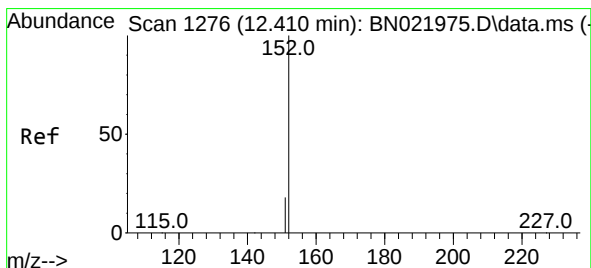
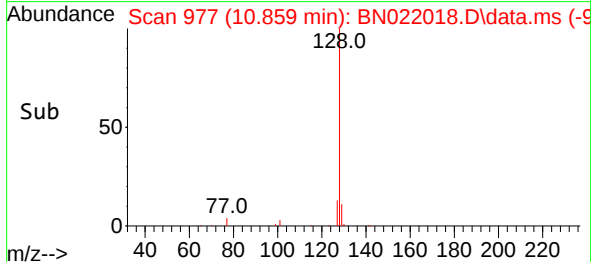
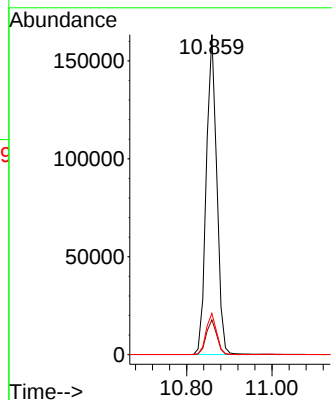
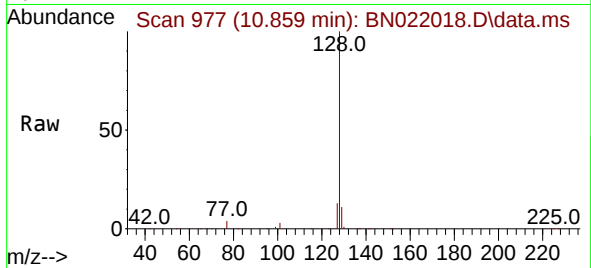




#9
Naphthalene
Concen: 5.636 ng
RT: 10.859 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

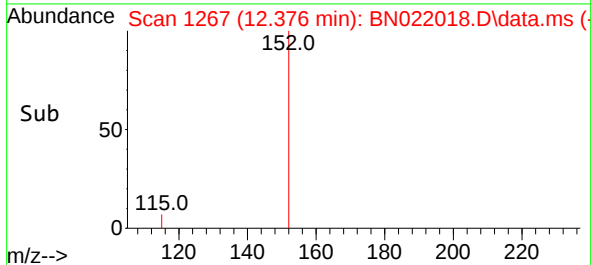
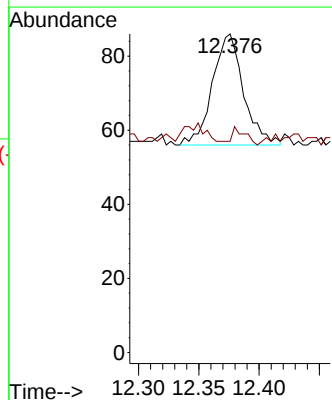
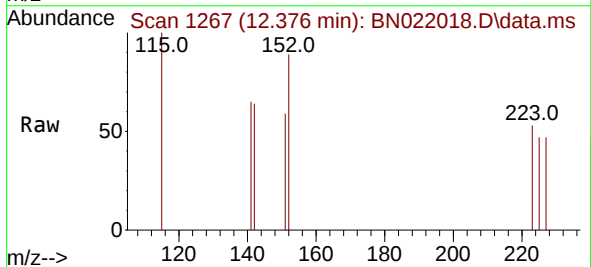
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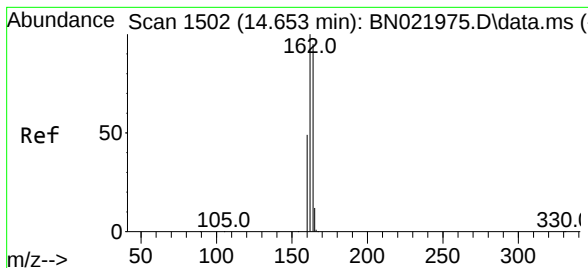
Tgt Ion:128 Resp: 278329
Ion Ratio Lower Upper
128 100
129 10.9 9.3 13.9
127 12.9 10.6 16.0



#11
2-Methylnaphthalene-d10
Concen: 0.002 ng
RT: 12.376 min Scan# 1267
Delta R.T. -0.034 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:152 Resp: 54
Ion Ratio Lower Upper
152 100
151 7.4 13.8 20.6#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.653 min Scan# 1502

Delta R.T. 0.000 min

Lab File: BN022018.D

Acq: 06 Oct 2022 13:59

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

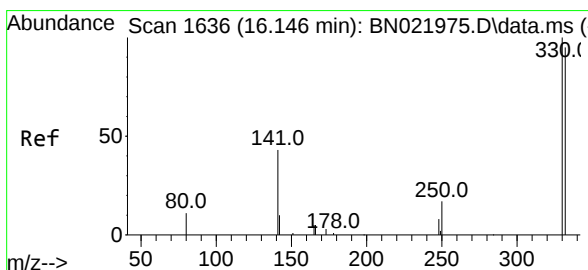
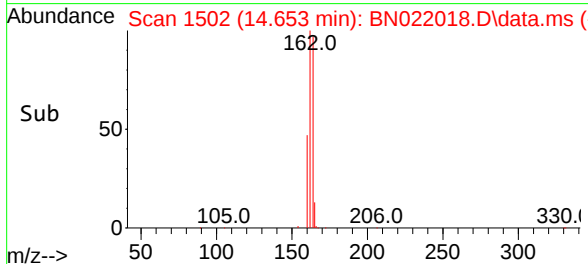
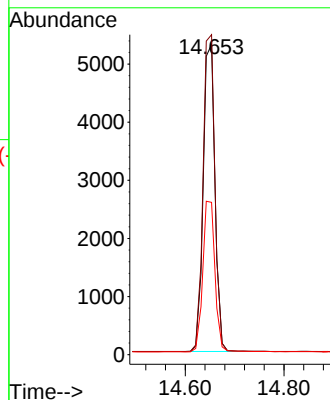
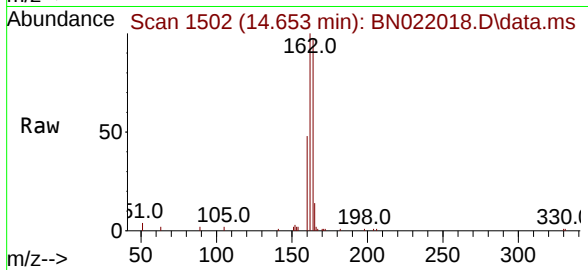
Tgt Ion:164 Resp: 8724

Ion Ratio Lower Upper

164 100

162 103.1 84.3 126.5

160 49.1 41.7 62.5



#14

2,4,6-Tribromophenol

Concen: 7.893 ng

RT: 16.146 min Scan# 1636

Delta R.T. 0.000 min

Lab File: BN022018.D

Acq: 06 Oct 2022 13:59

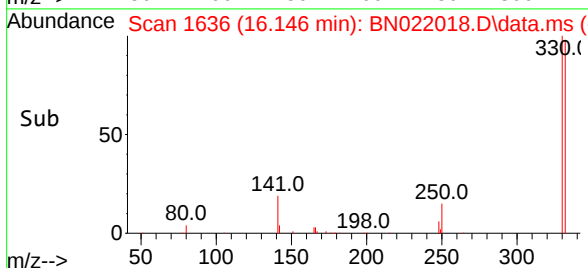
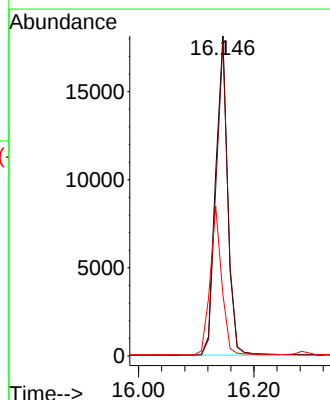
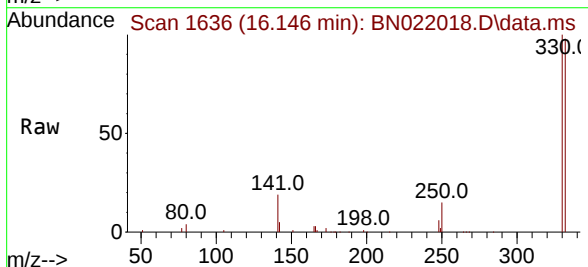
Tgt Ion:330 Resp: 26261

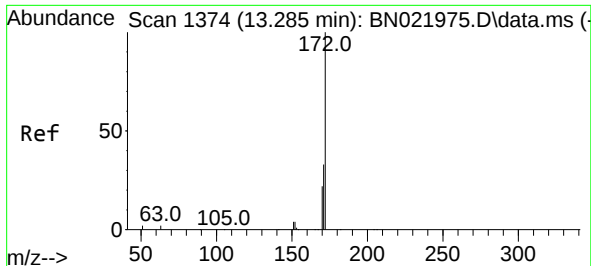
Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.4

141 45.0 35.3 52.9

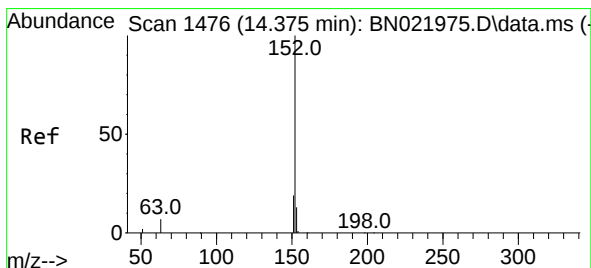
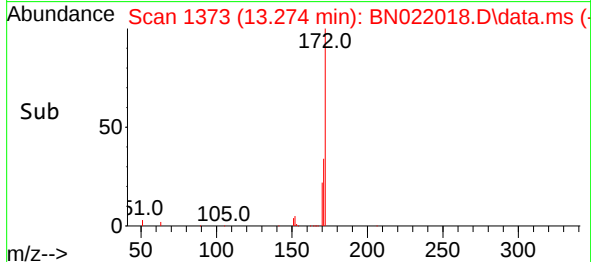
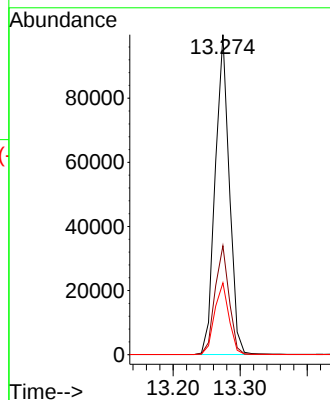
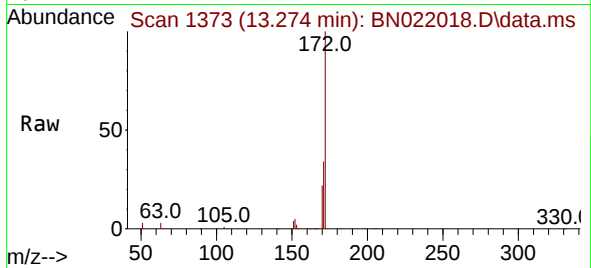




#15
2-Fluorobiphenyl
Concen: 3.817 ng
RT: 13.274 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

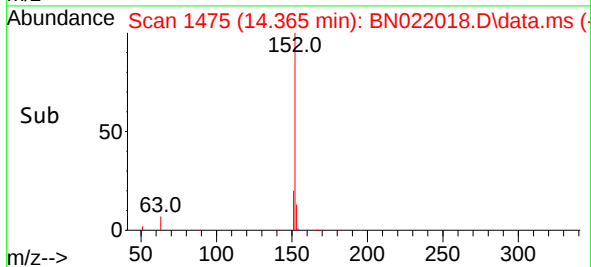
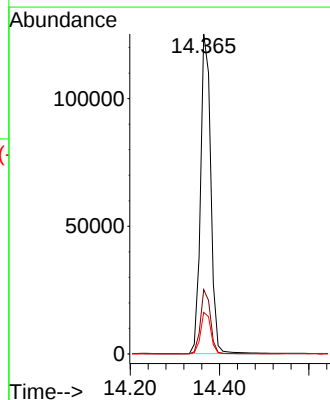
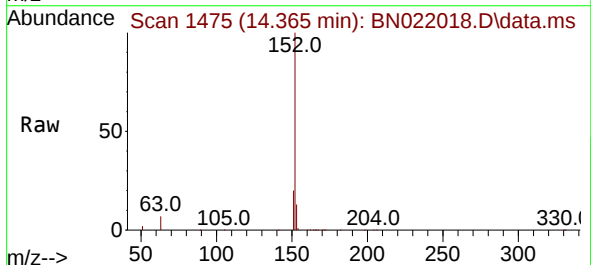
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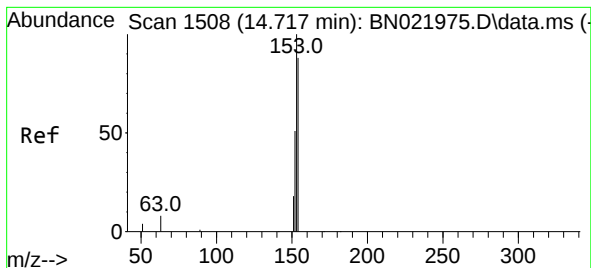
Tgt Ion:172 Resp: 145507
Ion Ratio Lower Upper
172 100
171 34.0 27.2 40.8
170 22.5 18.3 27.5



#16
Acenaphthylene
Concen: 4.821 ng
RT: 14.365 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:152 Resp: 200103
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 13.1 10.4 15.6





#17

Acenaphthene

Concen: 1.744 ng

RT: 14.707 min Scan# 1507

Delta R.T. -0.011 min

Lab File: BN022018.D

Acq: 06 Oct 2022 13:59

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

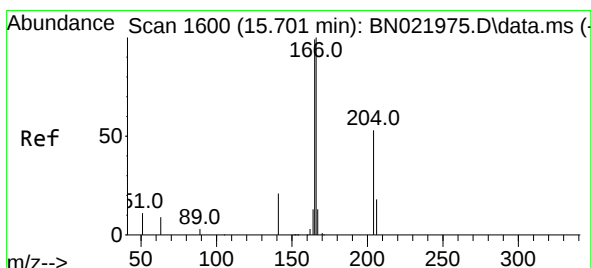
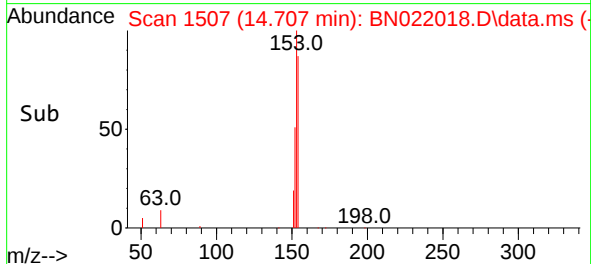
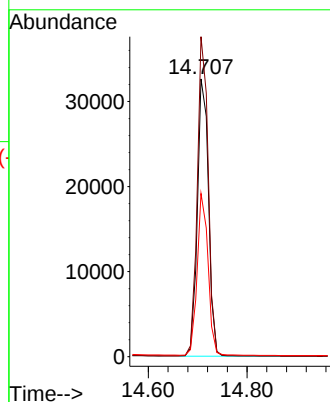
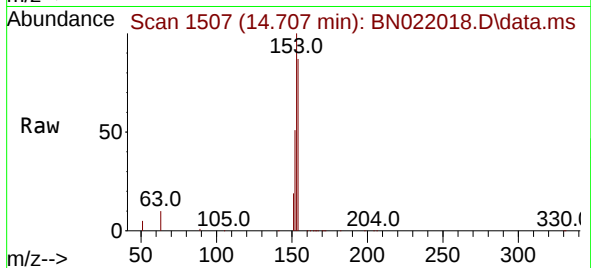
Tgt Ion:154 Resp: 50899

Ion Ratio Lower Upper

154 100

153 113.5 92.1 138.1

152 57.5 47.8 71.6



#18

Fluorene

Concen: 1.662 ng

RT: 15.701 min Scan# 1600

Delta R.T. 0.000 min

Lab File: BN022018.D

Acq: 06 Oct 2022 13:59

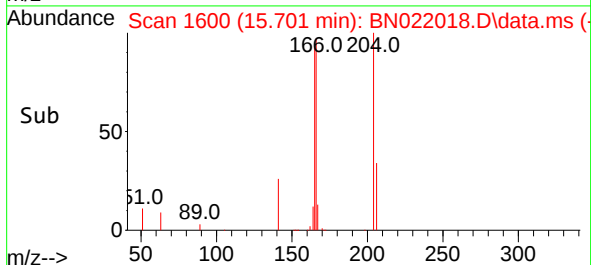
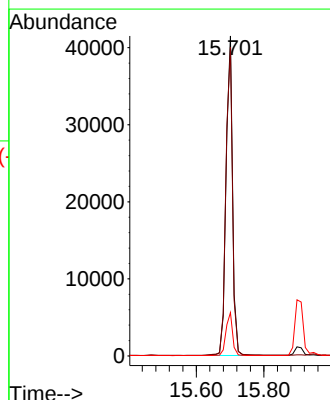
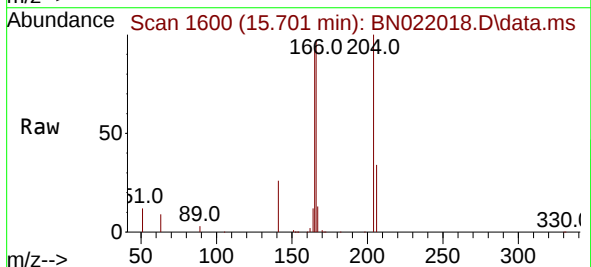
Tgt Ion:166 Resp: 58489

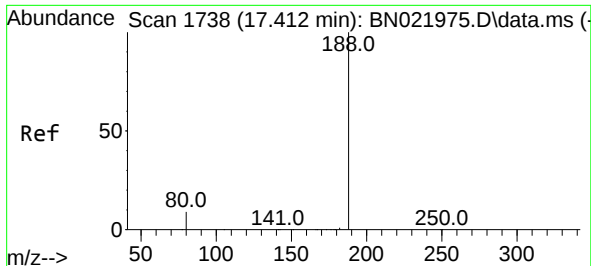
Ion Ratio Lower Upper

166 100

165 98.7 80.0 120.0

167 13.7 10.9 16.3

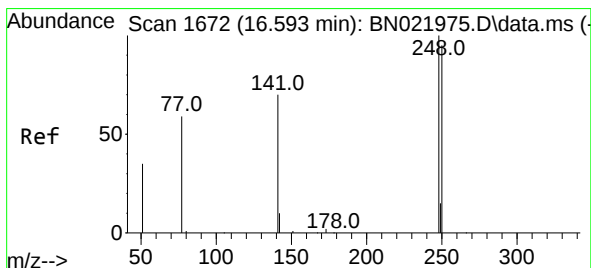
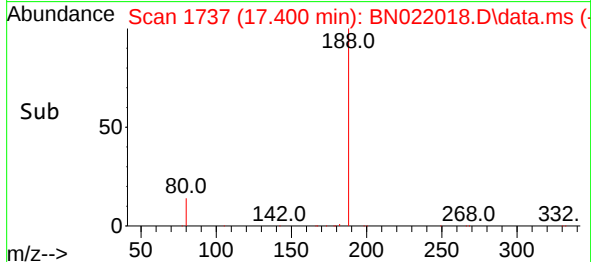
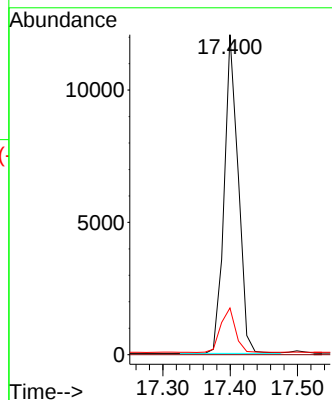
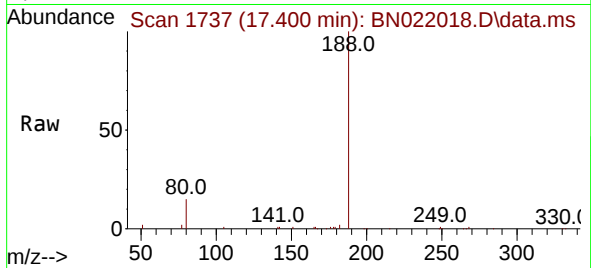




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.400 min Scan# 17331
Delta R.T. -0.012 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

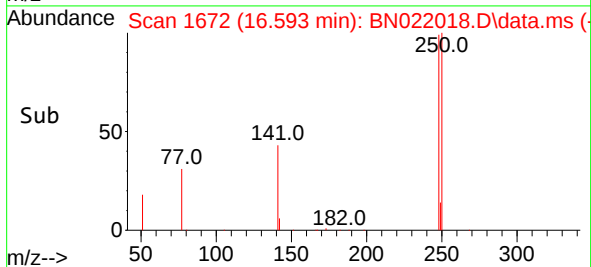
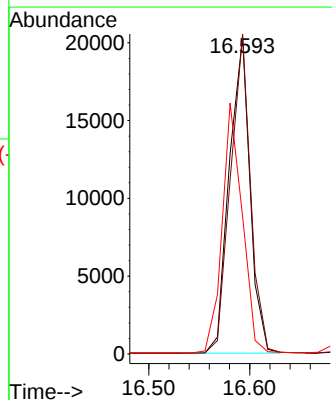
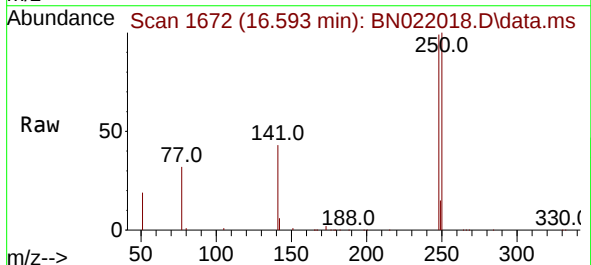
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

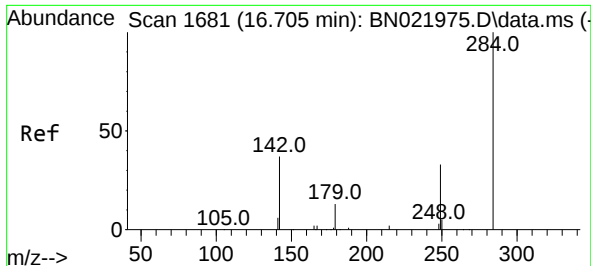
Tgt Ion:188 Resp: 17331
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.6 7.5 11.3#



#21
4-Bromophenyl-phenylether
Concen: 2.749 ng
RT: 16.593 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:248 Resp: 29023
Ion Ratio Lower Upper
248 100
250 100.8 76.6 114.8
141 43.3 57.5 86.3#

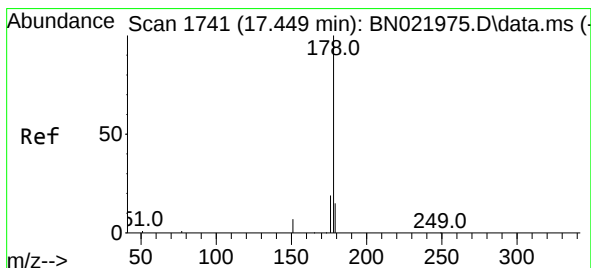
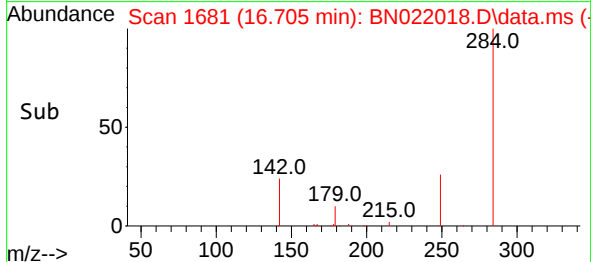
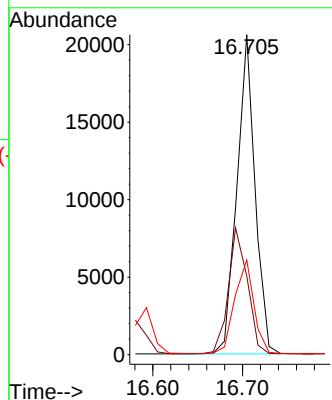
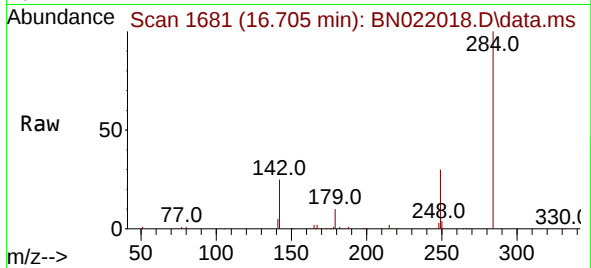




#22
Hexachlorobenzene
Concen: 2.197 ng
RT: 16.705 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

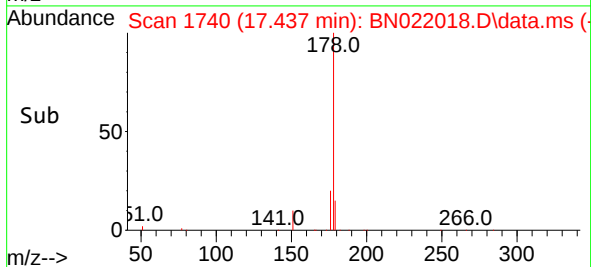
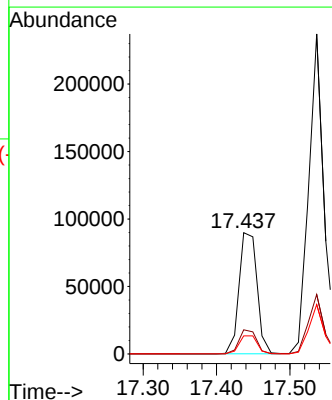
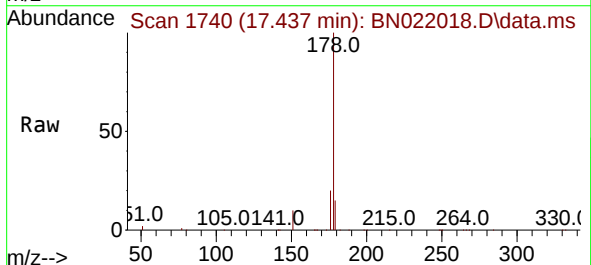
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

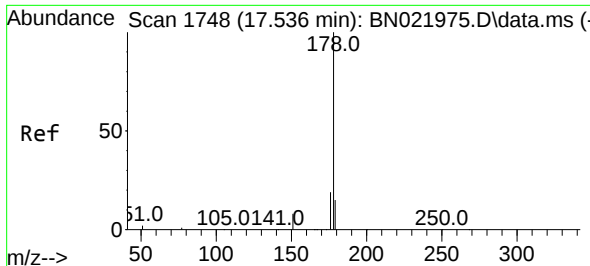
Tgt Ion:284 Resp: 28847
Ion Ratio Lower Upper
284 100
142 41.2 33.4 50.0
249 31.0 25.1 37.7



#25
Phenanthrene
Concen: 2.566 ng
RT: 17.437 min Scan# 1740
Delta R.T. -0.012 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:178 Resp: 152889
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.2 12.2 18.2

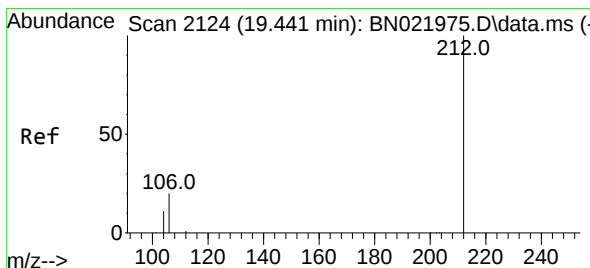
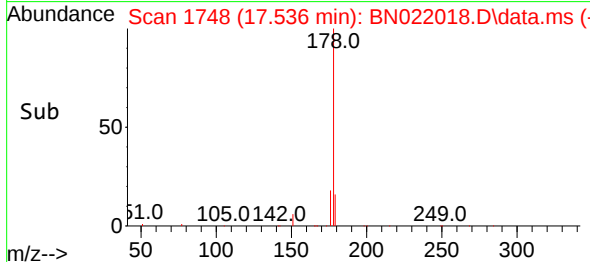
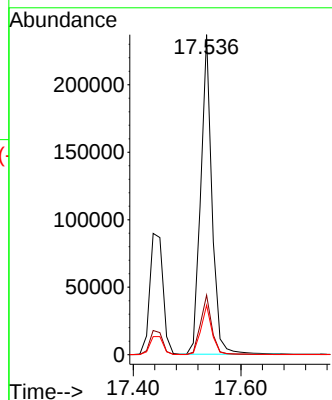
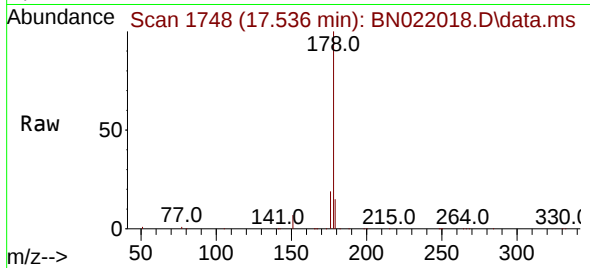




#26
 Anthracene
 Concen: 7.172 ng
 RT: 17.536 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN022018.D
 Acq: 06 Oct 2022 13:59

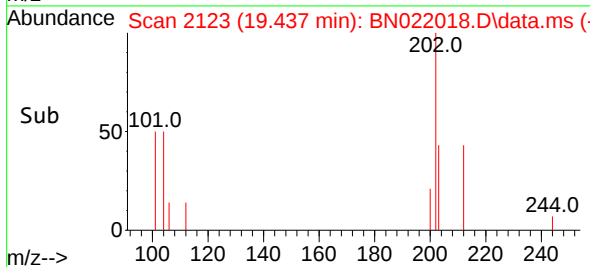
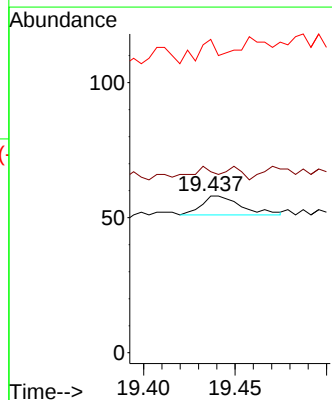
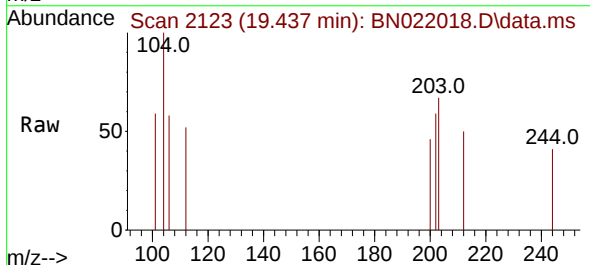
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

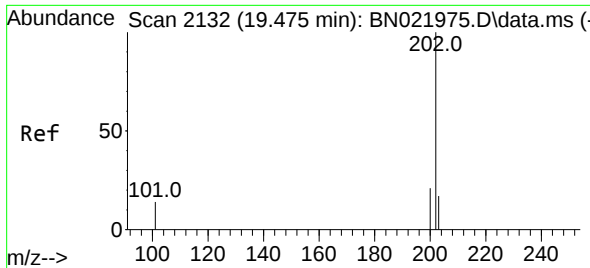
Tgt Ion:178 Resp: 343032
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.8 22.2
 179 15.4 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.000 ng
 RT: 19.437 min Scan# 2123
 Delta R.T. -0.004 min
 Lab File: BN022018.D
 Acq: 06 Oct 2022 13:59

Tgt Ion:212 Resp: 11
 Ion Ratio Lower Upper
 212 100
 106 27.3 15.2 22.8#
 104 63.6 8.6 13.0#

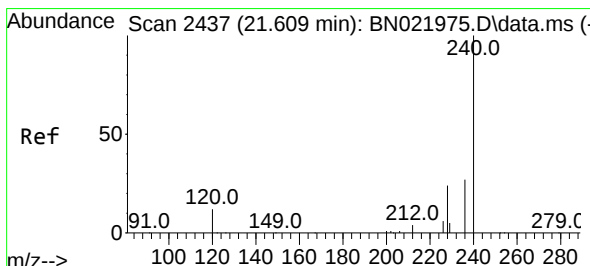
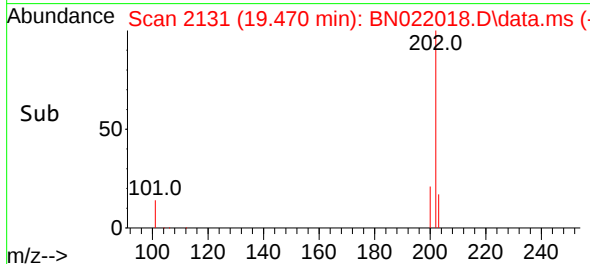
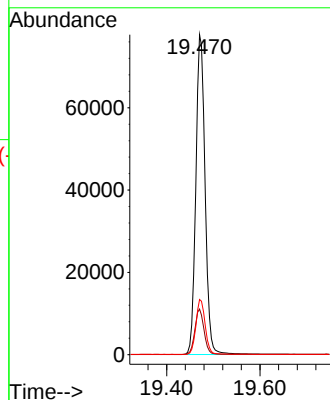
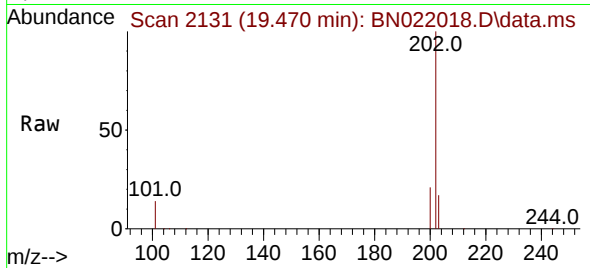




#28
Fluoranthene
Concen: 1.679 ng
RT: 19.470 min Scan# 2132
Delta R.T. -0.004 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

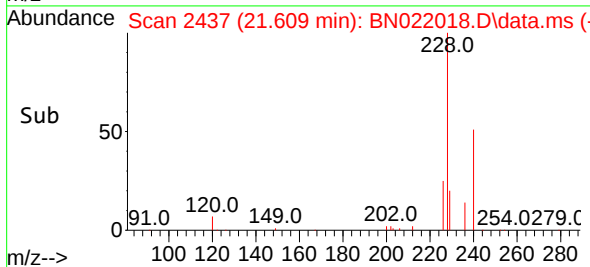
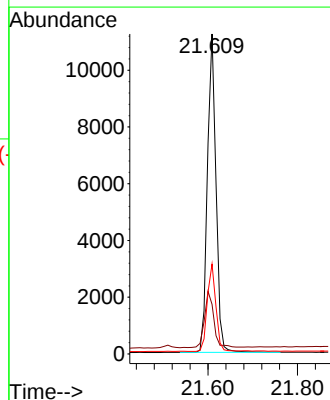
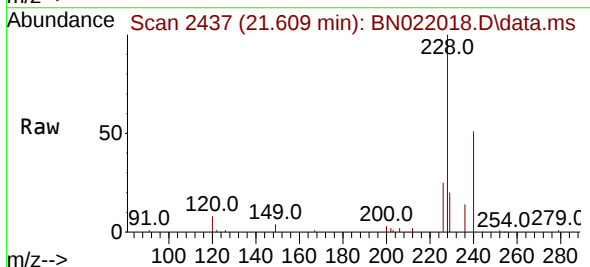
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

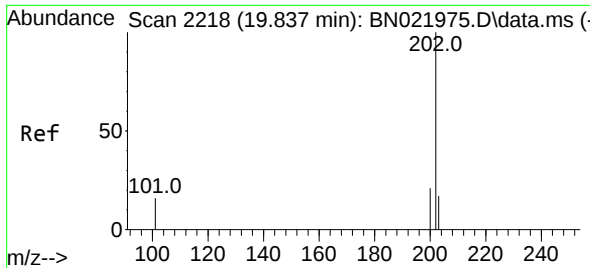
Tgt Ion:202 Resp: 107151
Ion Ratio Lower Upper
202 100
101 14.0 11.4 17.0
203 17.2 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.609 min Scan# 2437
Delta R.T. 0.000 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:240 Resp: 14984
Ion Ratio Lower Upper
240 100
120 15.5 11.8 17.6
236 28.1 22.4 33.6

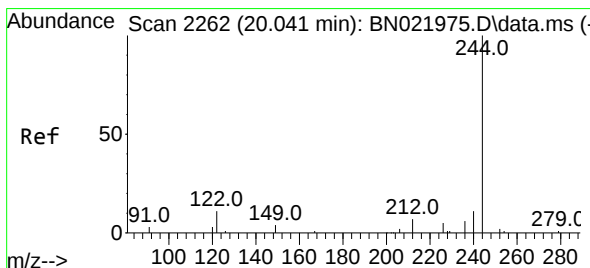
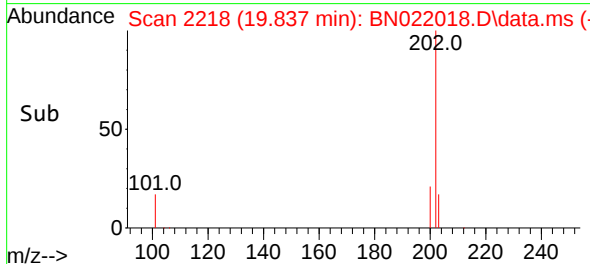
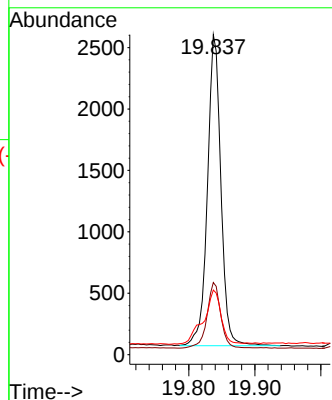
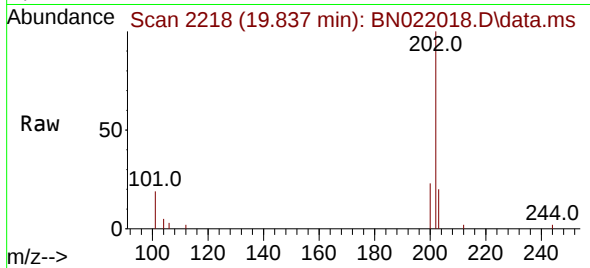




#30
Pyrene
Concen: 0.054 ng
RT: 19.837 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

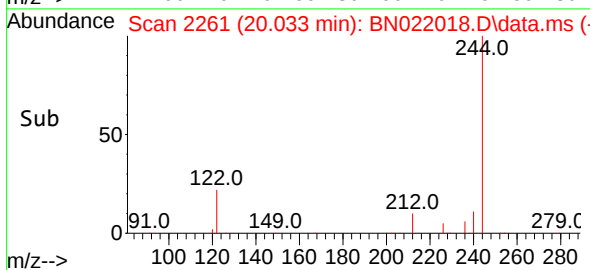
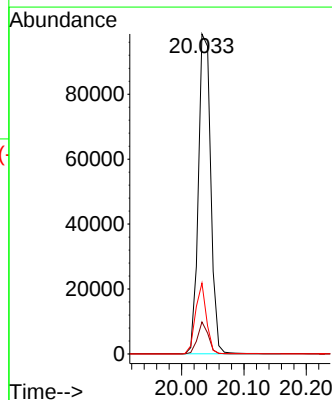
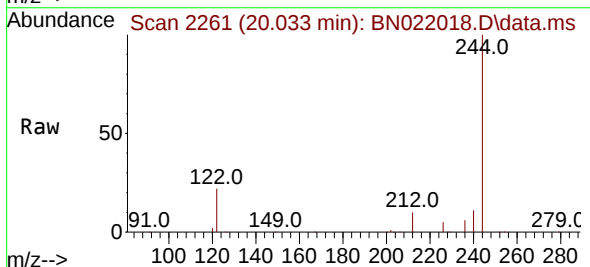
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

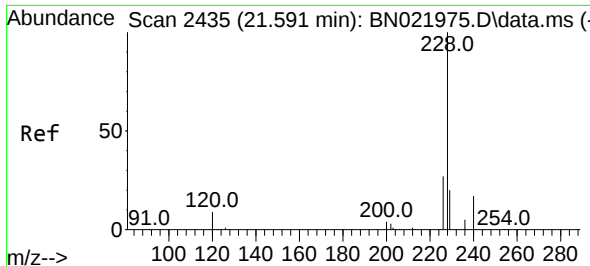
Tgt Ion:202 Resp: 3585
Ion Ratio Lower Upper
202 100
200 21.3 16.6 25.0
203 22.7 14.1 21.1#



#31
Terphenyl-d14
Concen: 4.240 ng
RT: 20.033 min Scan# 2261
Delta R.T. -0.009 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:244 Resp: 127716
Ion Ratio Lower Upper
244 100
212 10.0 6.5 9.7#
122 22.1 9.1 13.7#

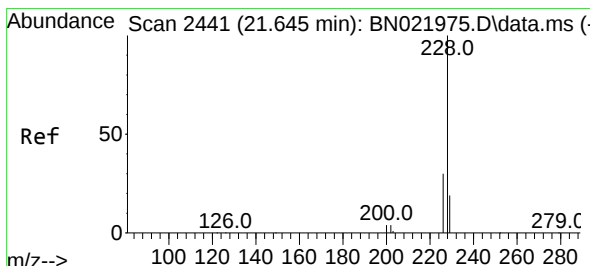
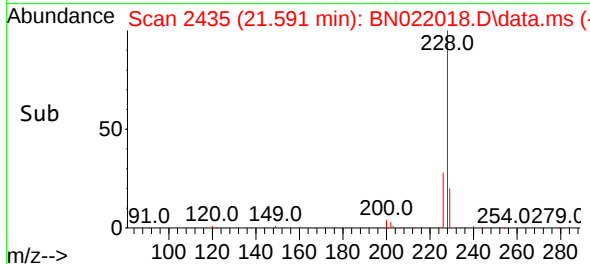
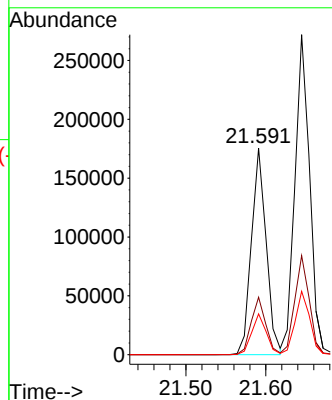
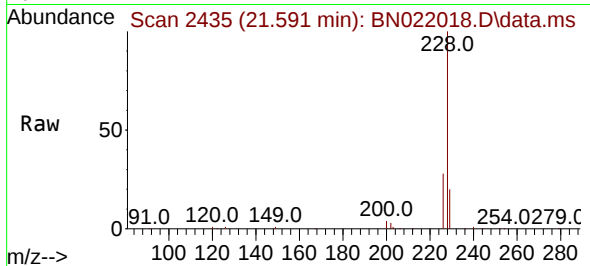




#32
Benzo(a)anthracene
Concen: 4.003 ng
RT: 21.591 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

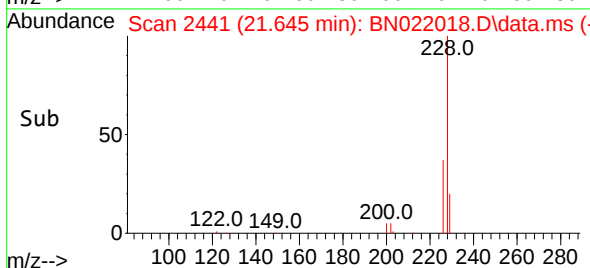
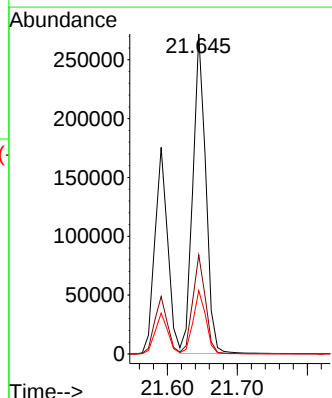
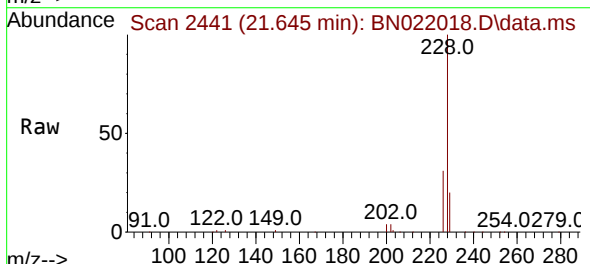
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

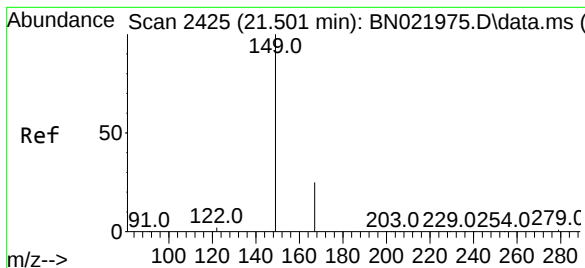
Tgt Ion:228 Resp: 225521
Ion Ratio Lower Upper
228 100
226 27.8 22.2 33.4
229 19.7 16.2 24.2



#33
Chrysene
Concen: 5.548 ng
RT: 21.645 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:228 Resp: 346887
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.2
229 19.8 15.8 23.6

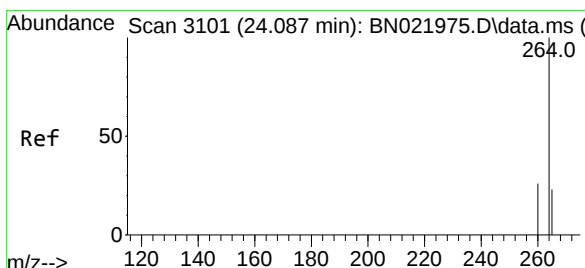
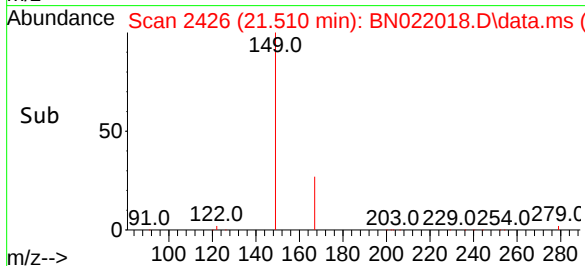
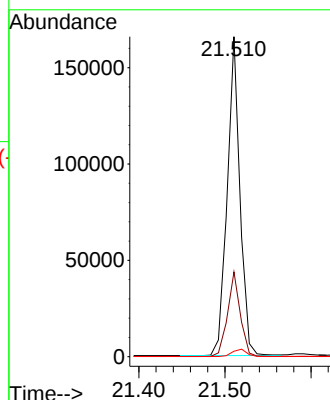
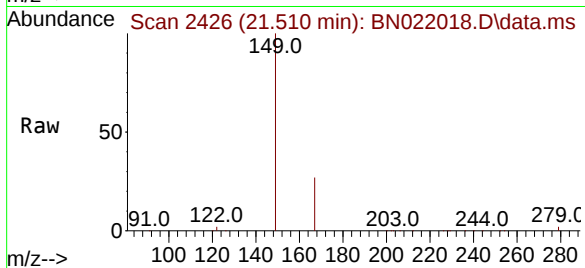




#34
Bis(2-ethylhexyl)phthalate
Concen: 6.257 ng
RT: 21.510 min Scan# 2425
Delta R.T. 0.009 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

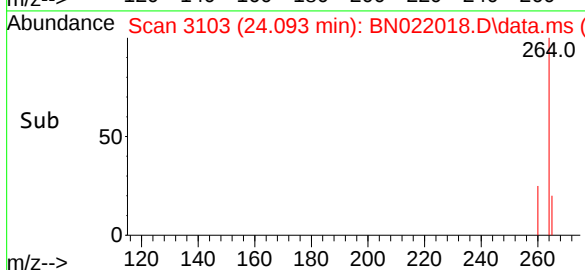
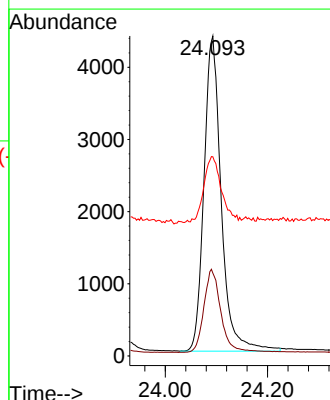
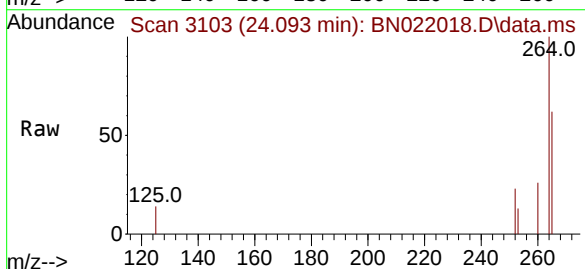
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

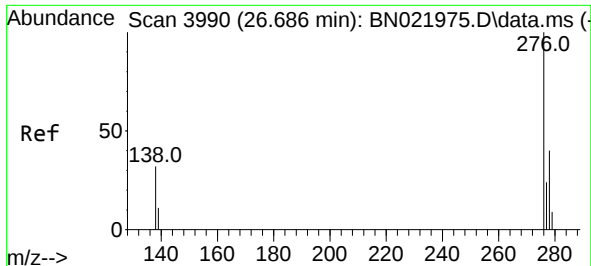
Tgt Ion:149 Resp: 169163
Ion Ratio Lower Upper
149 100
167 26.4 20.2 30.4
279 2.6 2.3 3.5



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.093 min Scan# 3103
Delta R.T. 0.006 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:264 Resp: 10223
Ion Ratio Lower Upper
264 100
260 25.9 21.3 31.9
265 62.2 63.0 94.4#

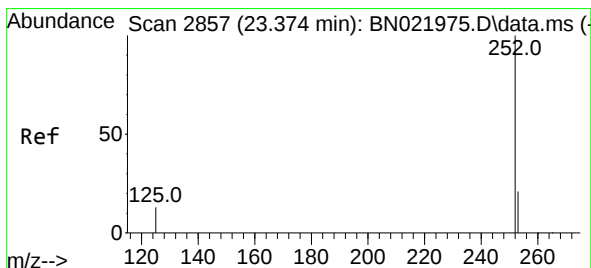
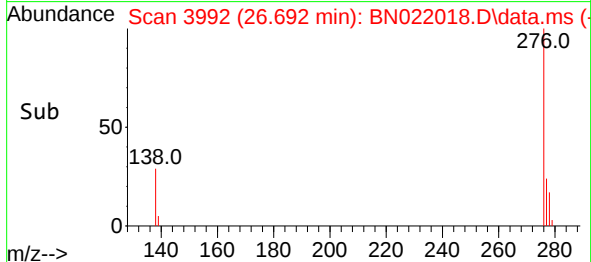
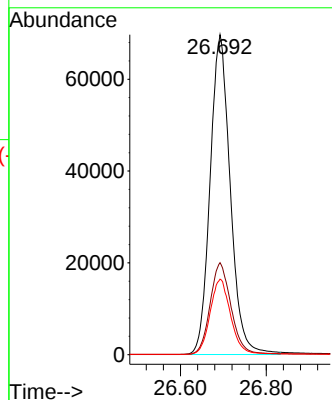
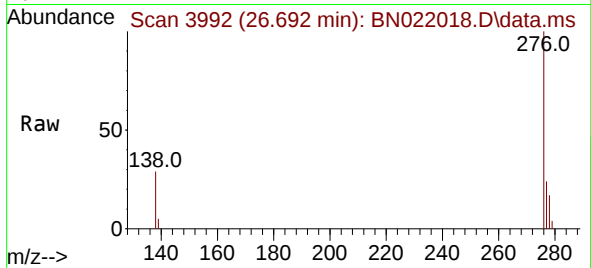




#36
Indeno(1,2,3-cd)pyrene
Concen: 4.398 ng
RT: 26.692 min Scan# 3992
Delta R.T. 0.006 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

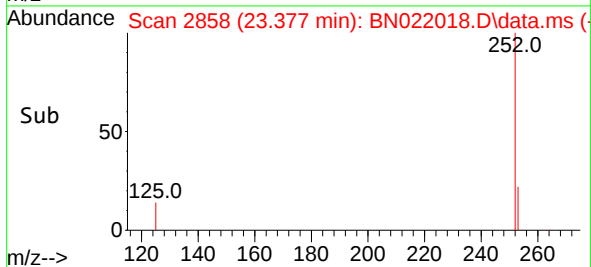
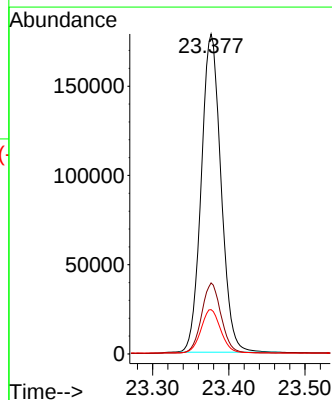
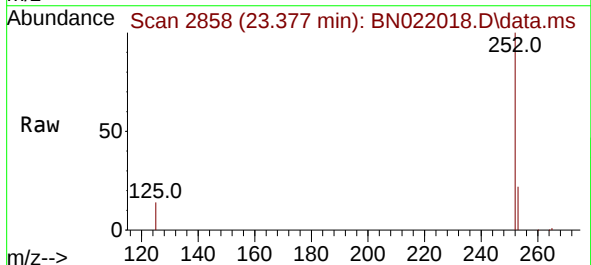
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

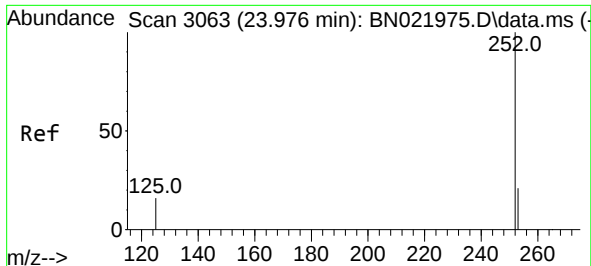
Tgt Ion:276 Resp: 227168
Ion Ratio Lower Upper
276 100
138 29.7 28.0 42.0
277 24.0 19.8 29.8



#38
Benzo(k)fluoranthene
Concen: 6.640 ng
RT: 23.377 min Scan# 2858
Delta R.T. 0.003 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:252 Resp: 320339
Ion Ratio Lower Upper
252 100
253 22.2 20.4 30.6
125 13.9 15.8 23.6#

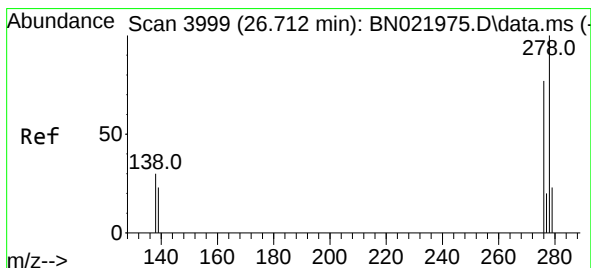
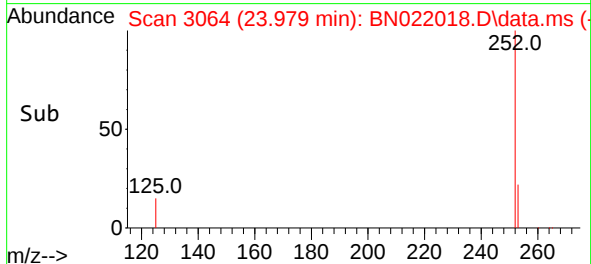
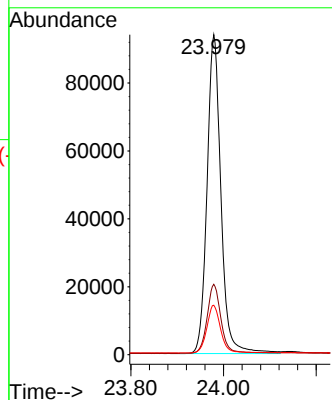
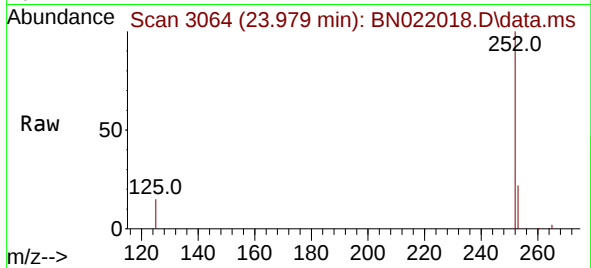




#39
Benzo(a)pyrene
Concen: 5.288 ng
RT: 23.979 min Scan# 3063
Delta R.T. 0.003 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

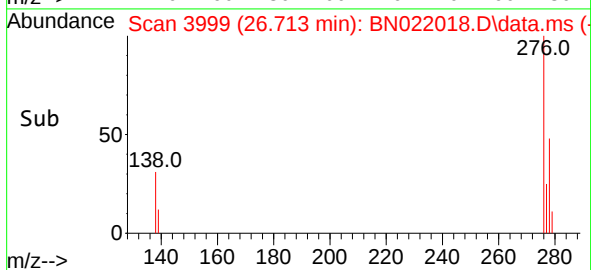
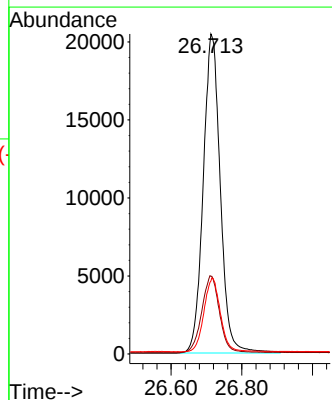
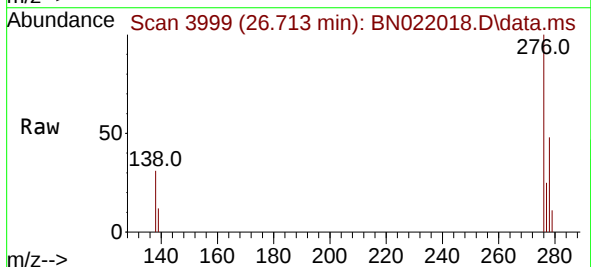
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

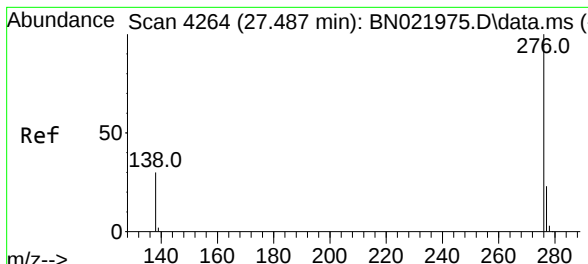
Tgt Ion:252 Resp: 195448
Ion Ratio Lower Upper
252 100
253 22.0 23.2 34.8#
125 15.5 21.1 31.7#



#40
Dibenzo(a,h)anthracene
Concen: 1.662 ng
RT: 26.713 min Scan# 3999
Delta R.T. 0.000 min
Lab File: BN022018.D
Acq: 06 Oct 2022 13:59

Tgt Ion:278 Resp: 68466
Ion Ratio Lower Upper
278 100
139 24.3 19.9 29.9
279 22.8 21.9 32.9





#41

Benzo(g,h,i)perylene

Concen: 1.131 ng

RT: 27.496 min Scan# 41

Delta R.T. 0.009 min

Lab File: BN022018.D

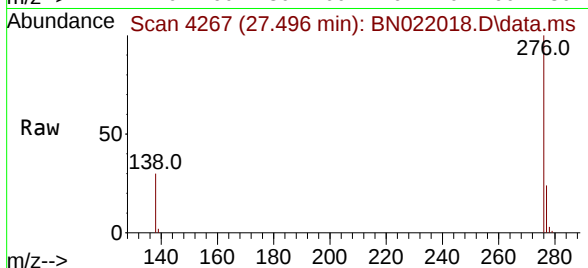
Acq: 06 Oct 2022 13:59

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL



Tgt Ion:276 Resp: 50318

Ion Ratio Lower Upper

276 100

277 23.7 20.0 30.0

138 30.3 25.2 37.8

