

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100622\
 Data File : BN022017.D
 Acq On : 06 Oct 2022 12:12
 Operator : CG/JU
 Sample : N4785-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Quant Time: Oct 07 00:39:45 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)

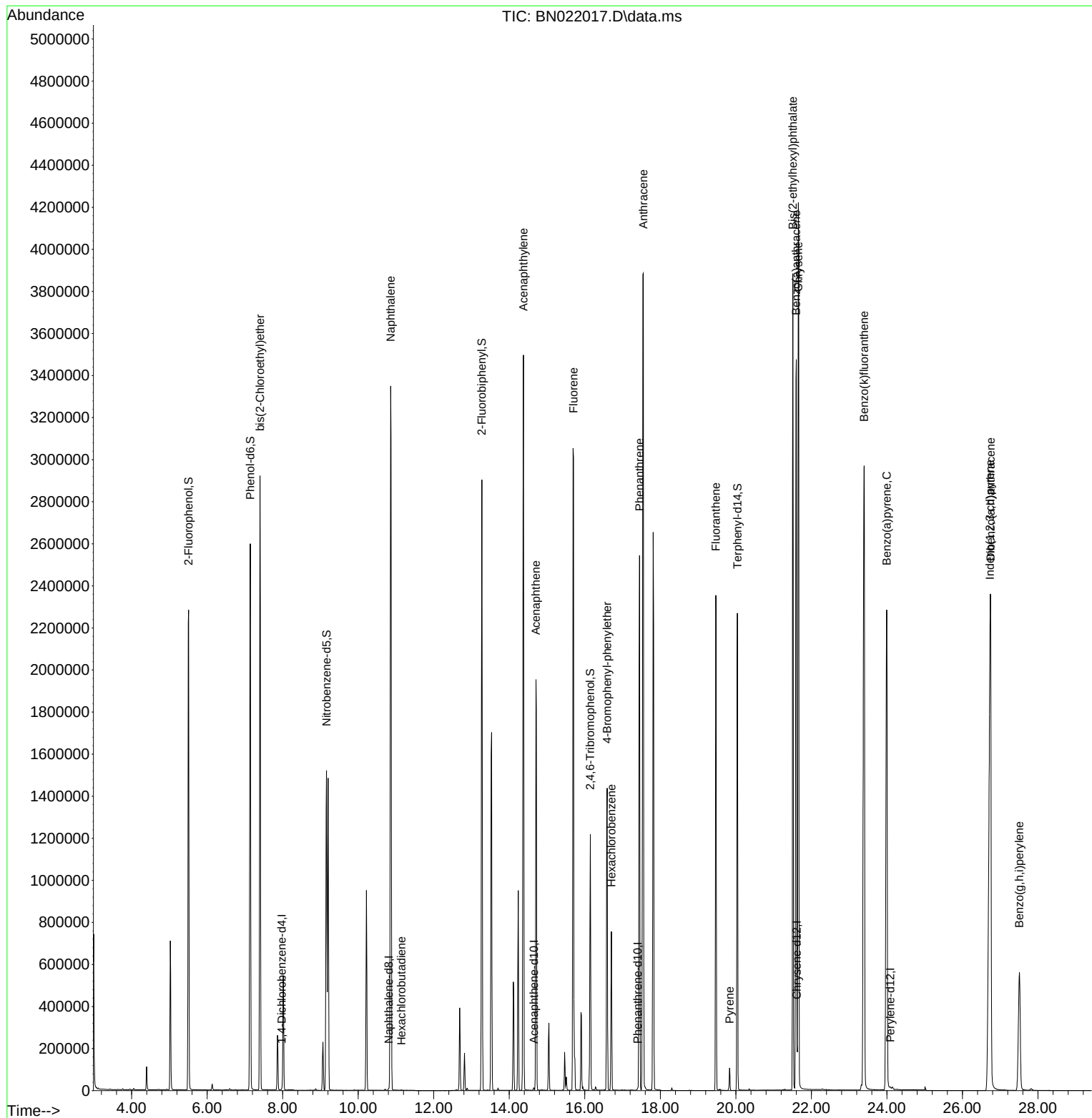
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	4598	0.400	ng	0.00
7) Naphthalene-d8	10.805	136	13325	0.400	ng	#-0.01
13) Acenaphthene-d10	14.653	164	6792	0.400	ng	0.00
19) Phenanthrene-d10	17.400	188	14647	0.400	ng	#-0.01
29) Chrysene-d12	21.618	240	11307	0.400	ng	0.00
35) Perylene-d12	24.093	264	10043	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.508	112	1839836	172.734	ng	0.00
5) Phenol-d6	7.141	99	2486356	179.903	ng	0.00
8) Nitrobenzene-d5	9.161	82	1276053	119.109	ng	0.00
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	16.146	330	636618	245.758	ng	0.00
15) 2-Fluorobiphenyl	13.274	172	2531088	85.291	ng	-0.01
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	20.042	244	2004387	88.175	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.401	93	2050832	140.421	ng	97
9) Naphthalene	10.859	128	4801618	119.329	ng	100
10) Hexachlorobutadiene	11.147	225	1546	0.222	ng	# 99
16) Acenaphthylene	14.375	152	3949249	122.205	ng	98
17) Acenaphthene	14.707	154	1055172	46.442	ng	95
18) Fluorene	15.701	166	1001272	36.550	ng	98
21) 4-Bromophenyl-phenylether	16.593	248	593097	66.470	ng	# 87
22) Hexachlorobenzene	16.705	284	553691	49.896	ng	98
25) Phenanthrene	17.449	178	2795095	55.515	ng	99
26) Anthracene	17.549	178	4979268	123.178	ng	97
28) Fluoranthene	19.470	202	2184538	40.495	ng	98
30) Pyrene	19.833	202	94283	1.899	ng	# 95
32) Benzo(a)anthracene	21.600	228	3765836	88.571	ng	98
33) Chrysene	21.654	228	4387068	92.977	ng	97
34) Bis(2-ethylhexyl)phtha...	21.510	149	4080457	200.016	ng	95
36) Indeno(1,2,3-cd)pyrene	26.730	276	4677222	92.171	ng	96
38) Benzo(k)fluoranthene	23.397	252	5262592	111.042	ng	# 91
39) Benzo(a)pyrene	23.994	252	3962895	109.137	ng	# 85
40) Dibenzo(a,h)anthracene	26.745	278	1423017	35.163	ng	95
41) Benzo(g,h,i)perylene	27.508	276	1250648	28.626	ng	97

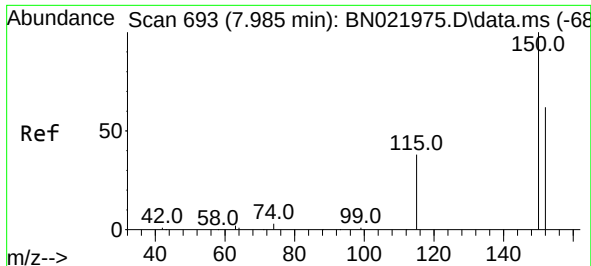
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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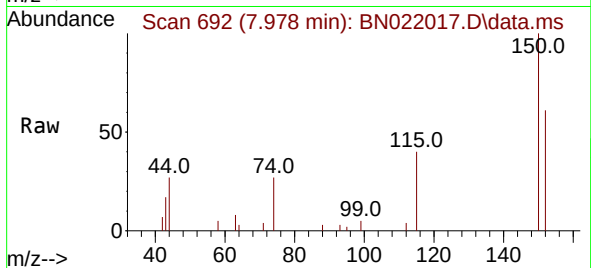
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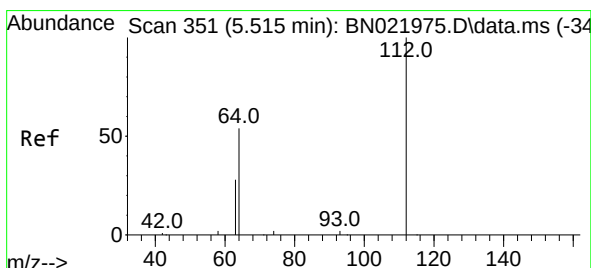
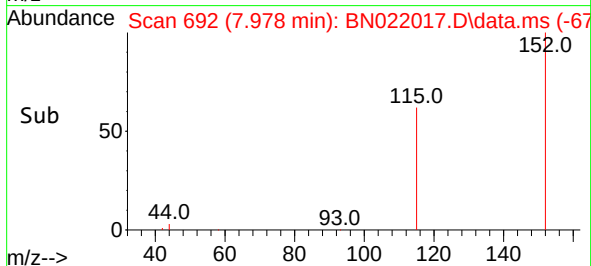
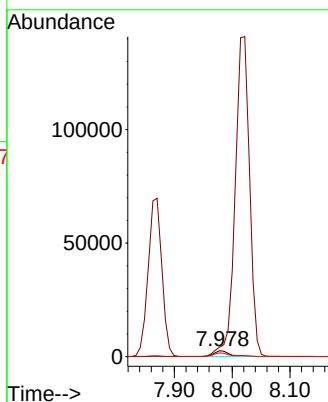


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.978 min Scan# 693
Delta R.T. -0.007 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

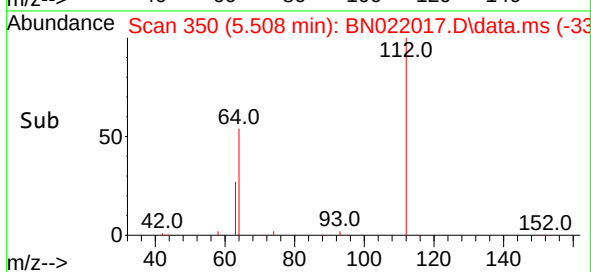
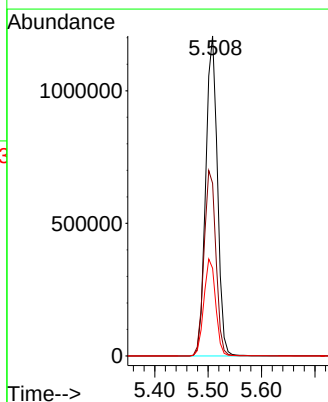
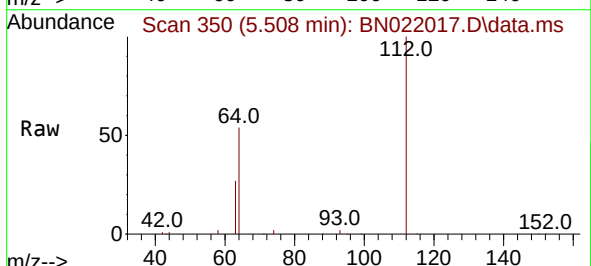


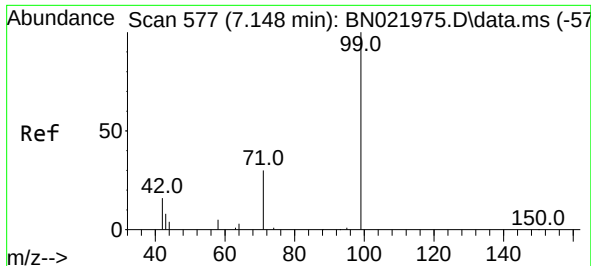
Tgt Ion:152 Resp: 4598
Ion Ratio Lower Upper
152 100
150 163.1 127.2 190.8
115 65.1 51.4 77.0



#4
2-Fluorophenol
Concen: 172.734 ng
RT: 5.508 min Scan# 350
Delta R.T. -0.007 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Tgt Ion:112 Resp: 1839836
Ion Ratio Lower Upper
112 100
64 59.1 46.9 70.3
63 30.7 24.6 37.0

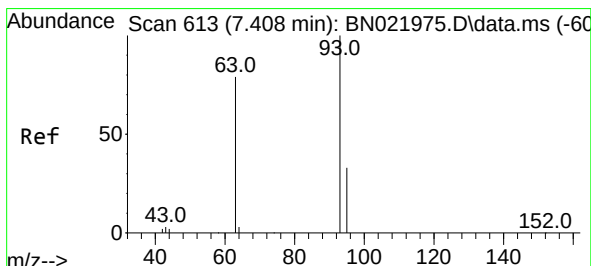
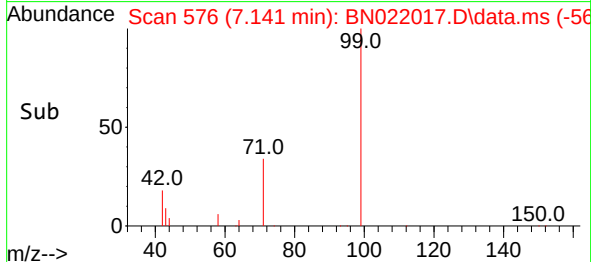
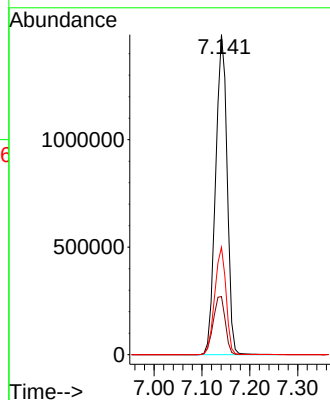
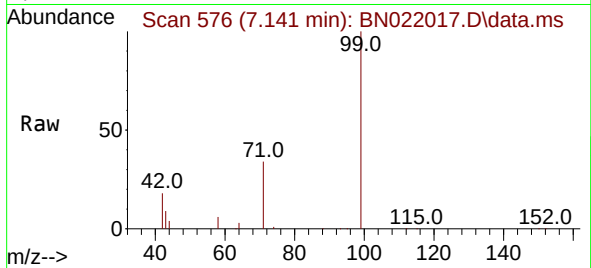




#5
Phenol-d6
Concen: 179.903 ng
RT: 7.141 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

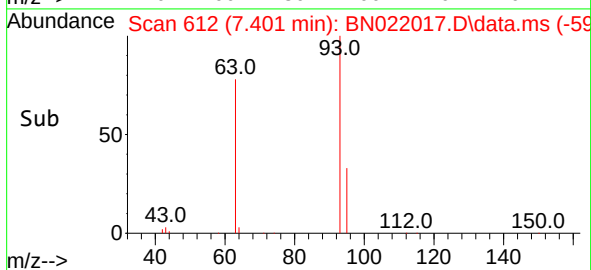
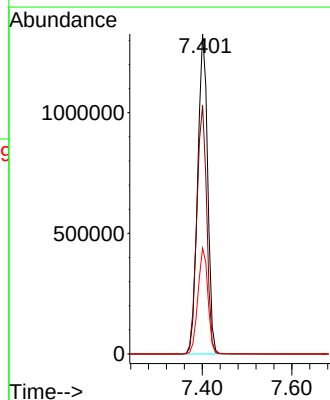
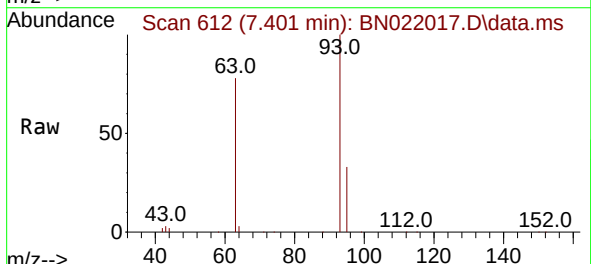
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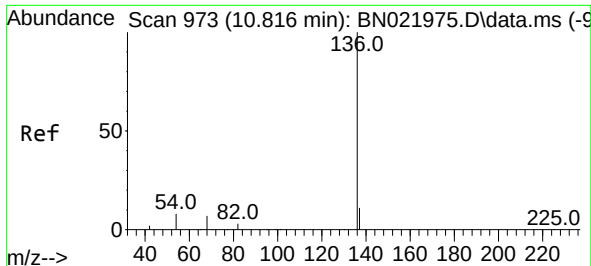
Tgt Ion: 99 Resp: 2486356
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 33.0 25.6 38.4



#6
bis(2-Chloroethyl)ether
Concen: 140.421 ng
RT: 7.401 min Scan# 612
Delta R.T. -0.007 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Tgt Ion: 93 Resp: 2050832
Ion Ratio Lower Upper
93 100
63 77.9 64.8 97.2
95 33.1 26.6 40.0

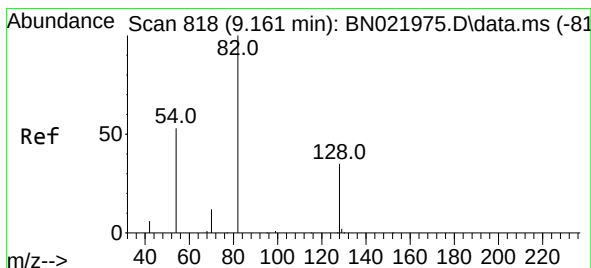
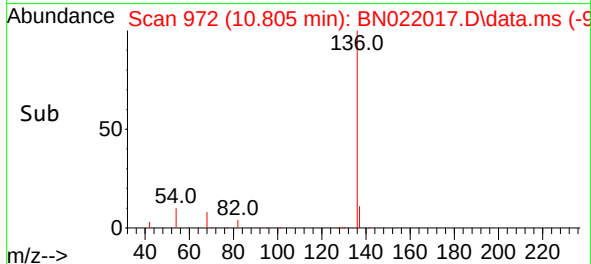
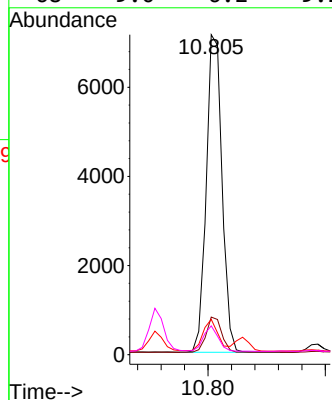
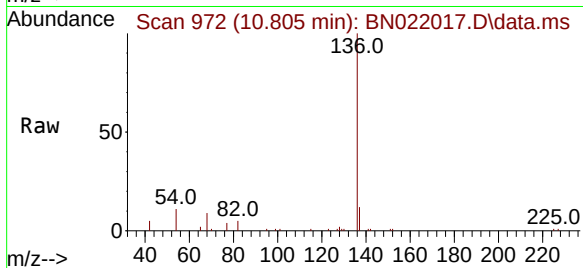




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.805 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

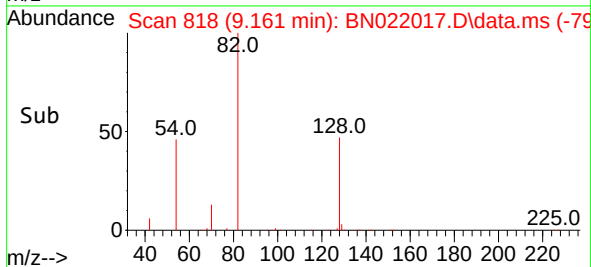
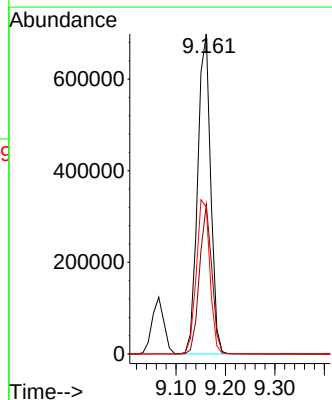
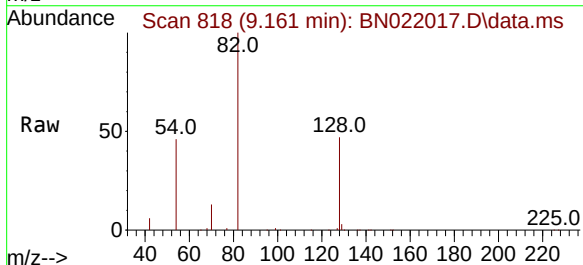
Instrument :
BNA_N
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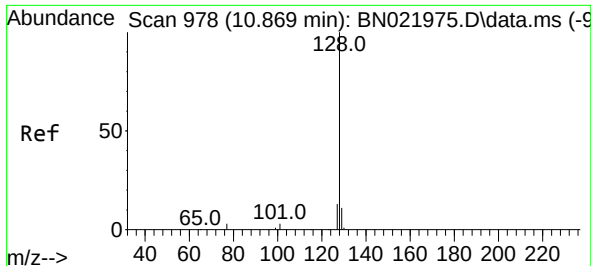
Tgt Ion:136 Resp: 13325
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 11.0 7.1 10.7#
68 9.0 6.2 9.2



#8
Nitrobenzene-d5
Concen: 119.109 ng
RT: 9.161 min Scan# 818
Delta R.T. 0.000 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Tgt Ion: 82 Resp: 1276053
Ion Ratio Lower Upper
82 100
128 46.8 29.9 44.9#
54 46.0 43.5 65.3

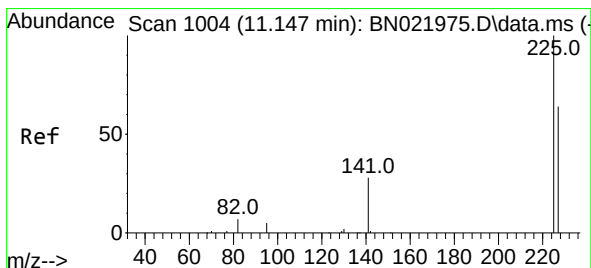
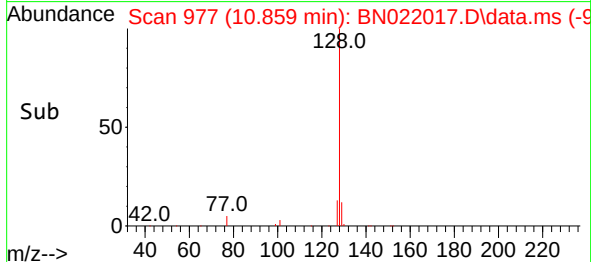
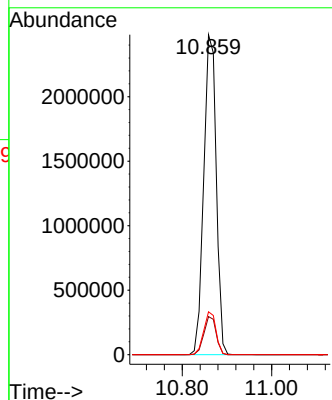
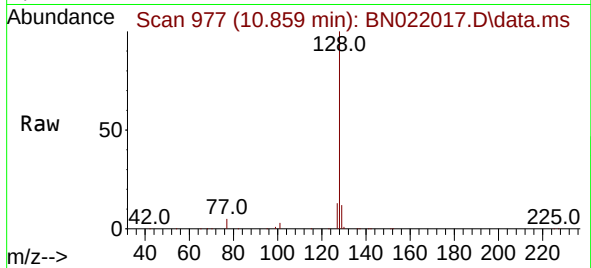




#9
Naphthalene
Concen: 119.329 ng
RT: 10.859 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

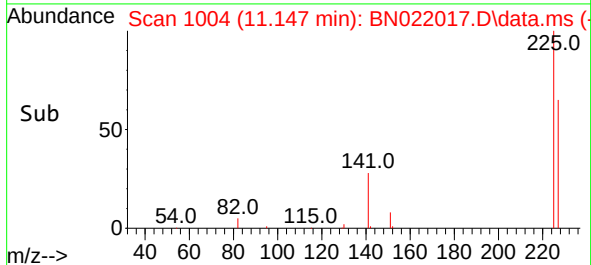
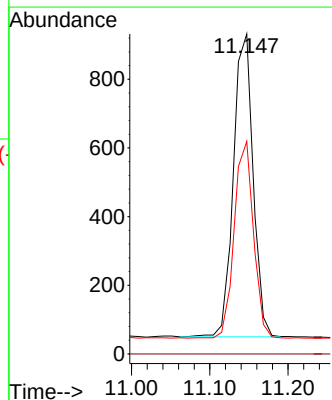
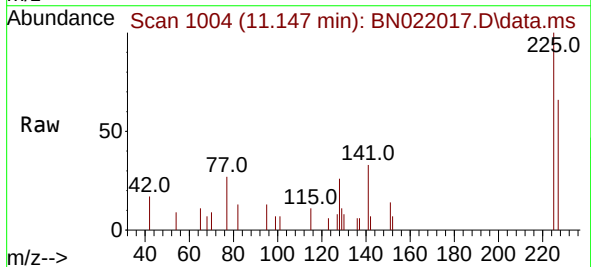
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

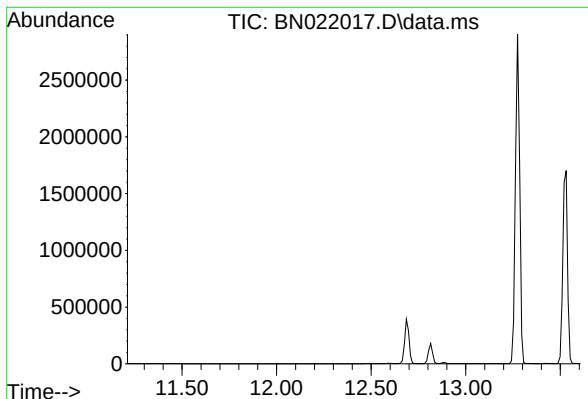
Tgt Ion:128 Resp: 4801618
Ion Ratio Lower Upper
128 100
129 11.9 9.3 13.9
127 13.4 10.6 16.0



#10
Hexachlorobutadiene
Concen: 0.222 ng
RT: 11.147 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Tgt Ion:225 Resp: 1546
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.6 51.3 76.9

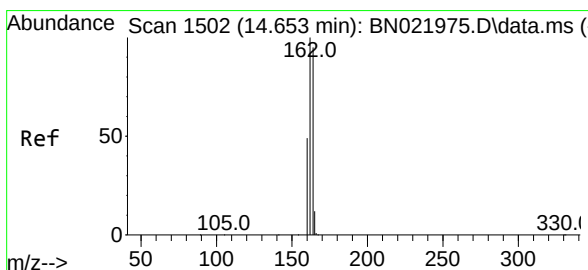
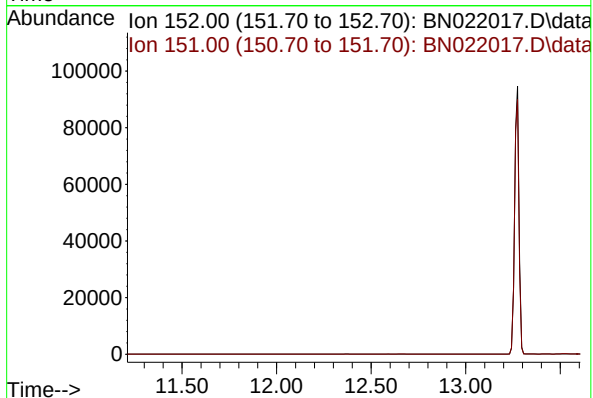




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.41 min
 Lab File: BN022017.D
 Acq: 06 Oct 2022 12:12

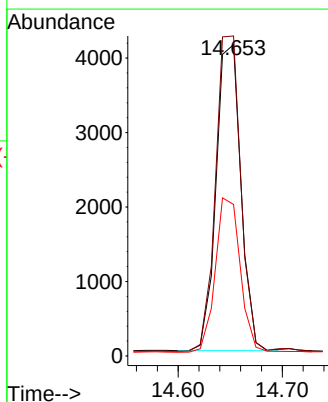
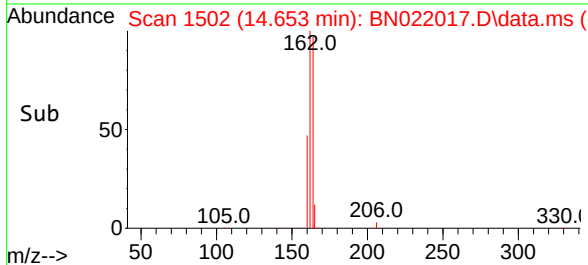
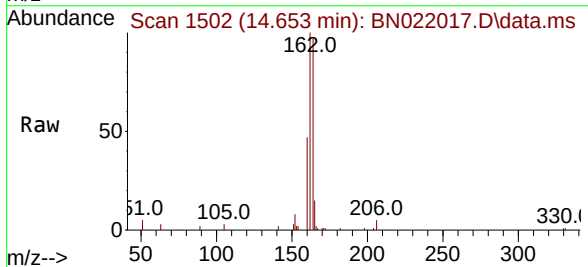
Instrument :
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 PT-BN-WP

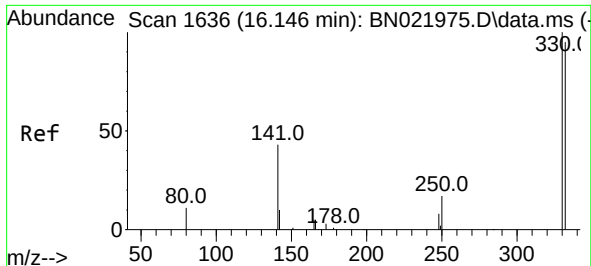
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 17.2



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.653 min Scan# 1502
 Delta R.T. 0.000 min
 Lab File: BN022017.D
 Acq: 06 Oct 2022 12:12

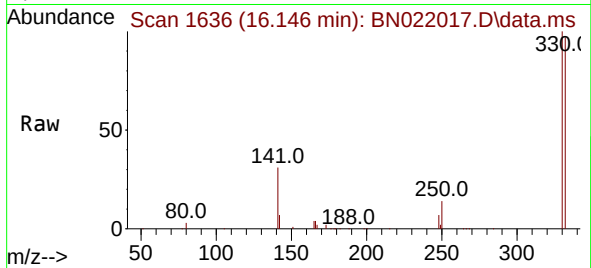
Tgt Ion: 164 Resp: 6792
 Ion Ratio Lower Upper
 164 100
 162 102.8 84.3 126.5
 160 48.7 41.7 62.5



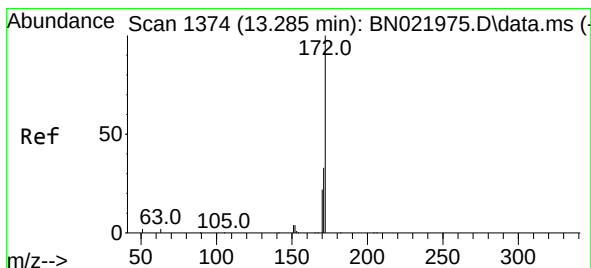
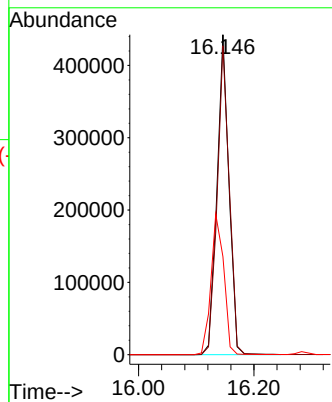
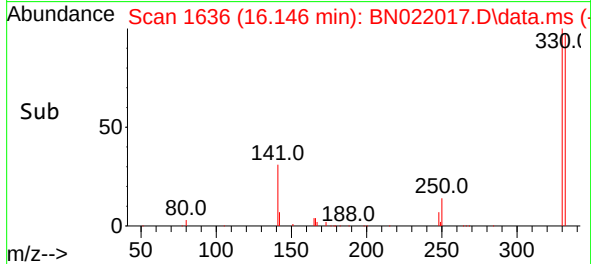


#14
2,4,6-Tribromophenol
Concen: 245.758 ng
RT: 16.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

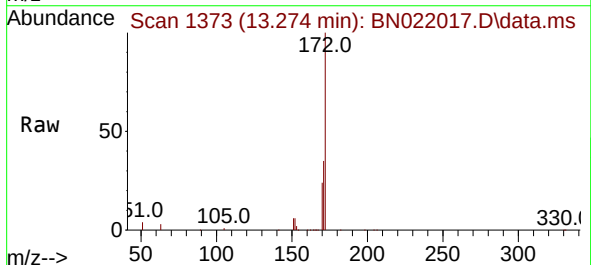
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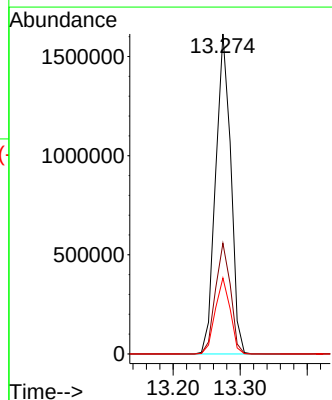
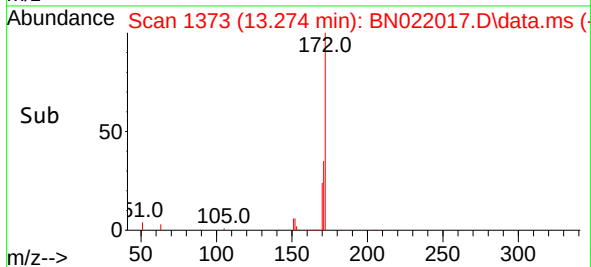
Tgt Ion:330 Resp: 636618
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.4
141 47.0 35.3 52.9

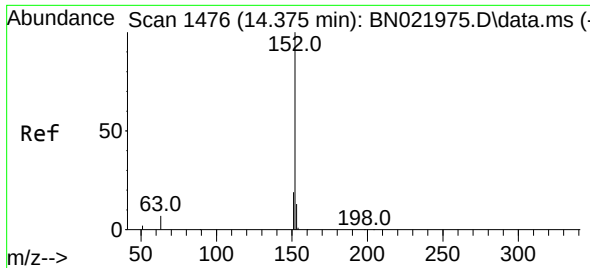


#15
2-Fluorobiphenyl
Concen: 85.291 ng
RT: 13.274 min Scan# 1373
Delta R.T. -0.011 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12



Tgt Ion:172 Resp: 2531088
Ion Ratio Lower Upper
172 100
171 34.6 27.2 40.8
170 23.7 18.3 27.5

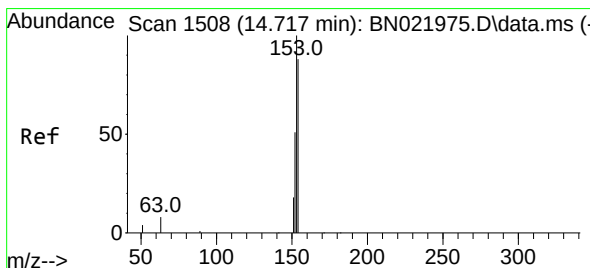
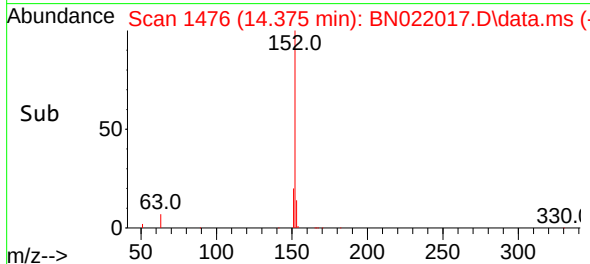
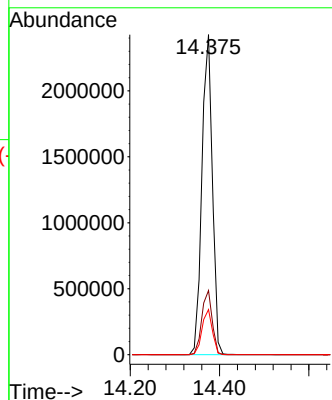
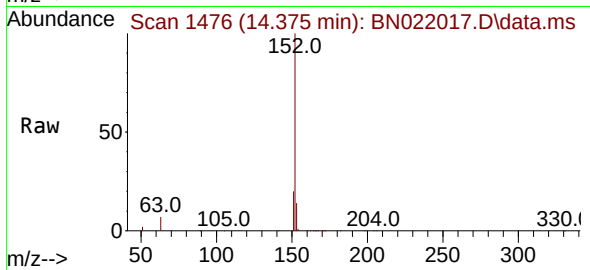




#16
Acenaphthylene
Concen: 122.205 ng
RT: 14.375 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

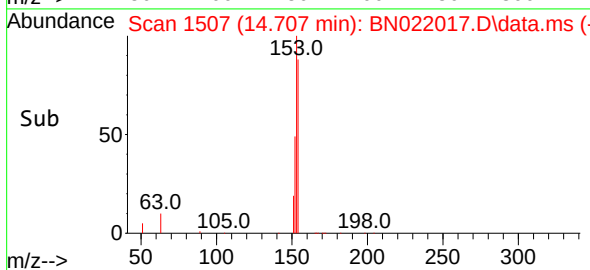
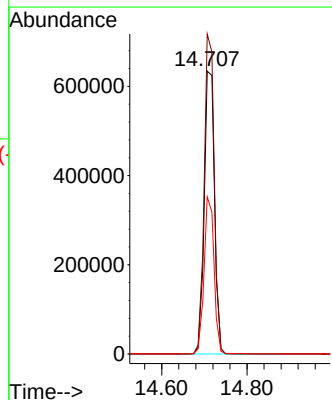
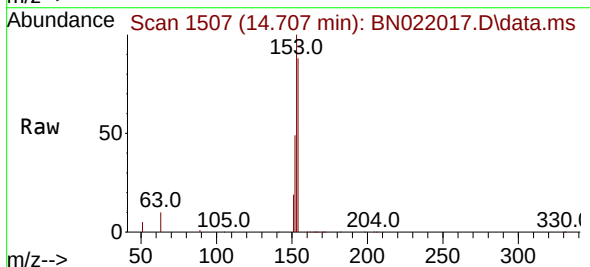
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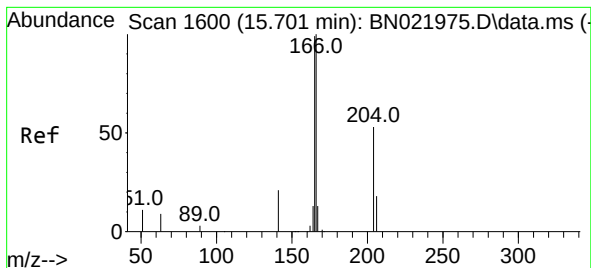
Tgt Ion:152 Resp: 3949249
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 13.9 10.4 15.6



#17
Acenaphthene
Concen: 46.442 ng
RT: 14.707 min Scan# 1507
Delta R.T. -0.011 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Tgt Ion:154 Resp: 1055172
Ion Ratio Lower Upper
154 100
153 111.3 92.1 138.1
152 53.9 47.8 71.6





#18

Fluorene

Concen: 36.550 ng

RT: 15.701 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN022017.D

Acq: 06 Oct 2022 12:12

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

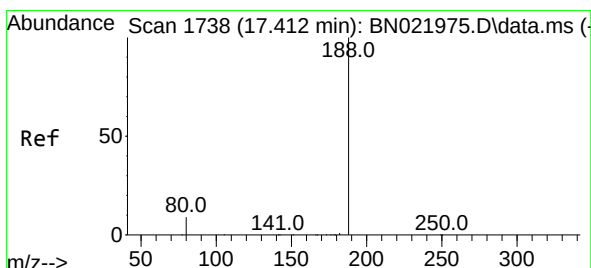
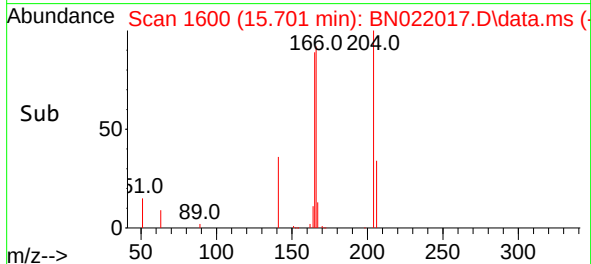
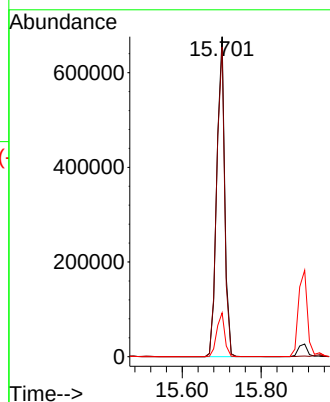
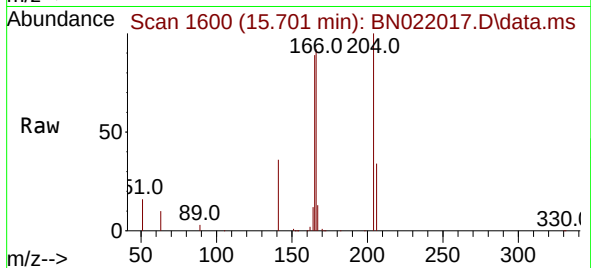
Tgt Ion:166 Resp: 1001272

Ion Ratio Lower Upper

166 100

165 97.9 80.0 120.0

167 13.7 10.9 16.3



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.400 min Scan# 1737

Delta R.T. -0.012 min

Lab File: BN022017.D

Acq: 06 Oct 2022 12:12

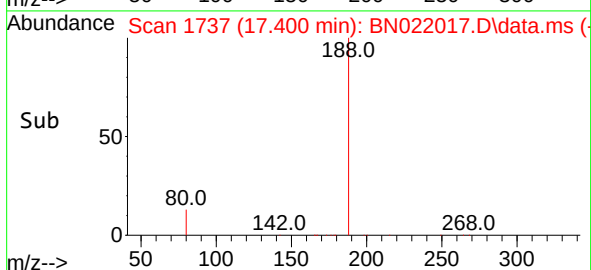
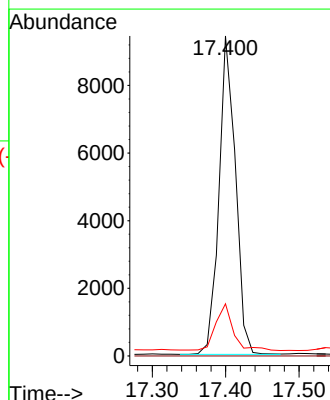
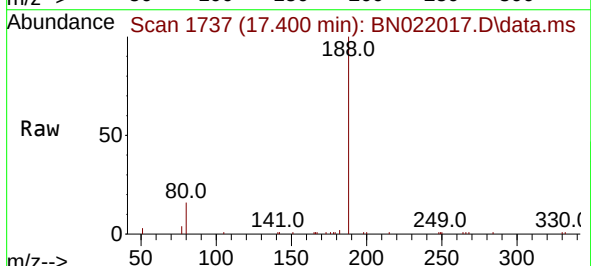
Tgt Ion:188 Resp: 14647

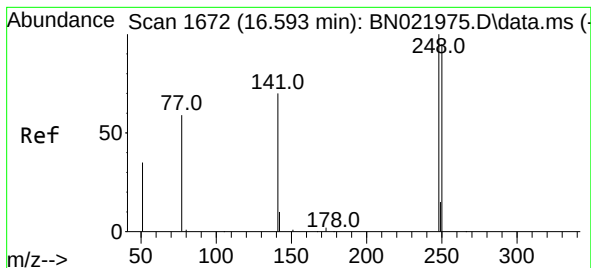
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.3 7.5 11.3#

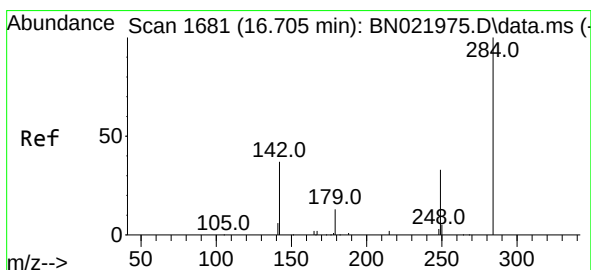
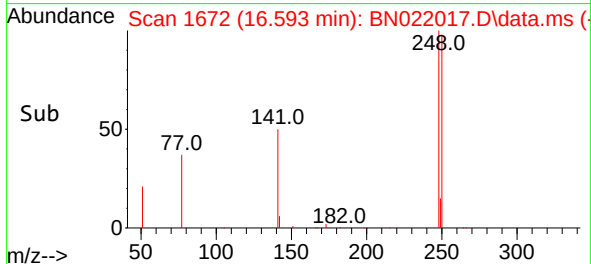
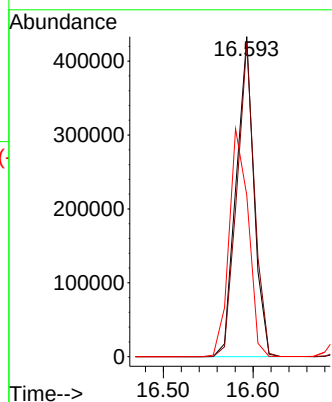
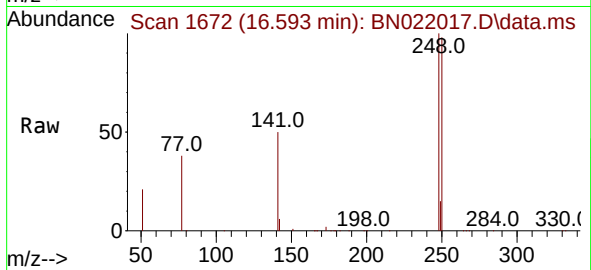




#21
4-Bromophenyl-phenylether
Concen: 66.470 ng
RT: 16.593 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

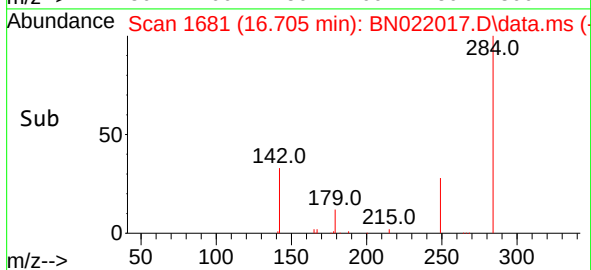
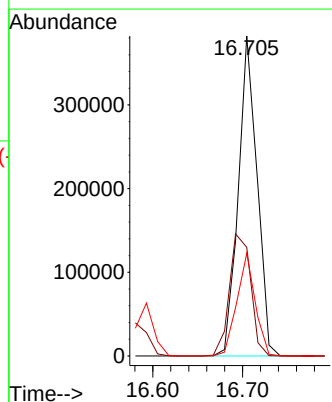
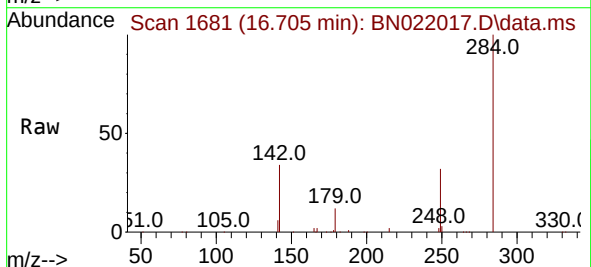
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

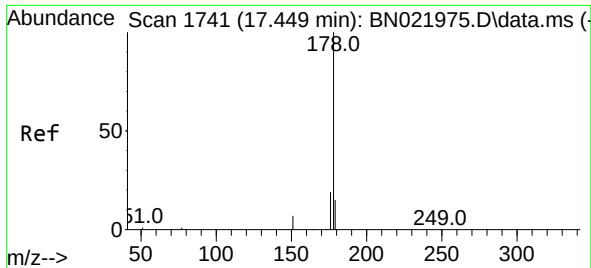
Tgt Ion:248 Resp: 593097
Ion Ratio Lower Upper
248 100
250 98.2 76.6 114.8
141 50.5 57.5 86.3#



#22
Hexachlorobenzene
Concen: 49.896 ng
RT: 16.705 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Tgt Ion:284 Resp: 553691
Ion Ratio Lower Upper
284 100
142 43.4 33.4 50.0
249 31.3 25.1 37.7

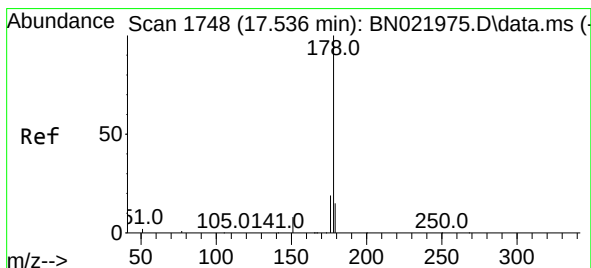
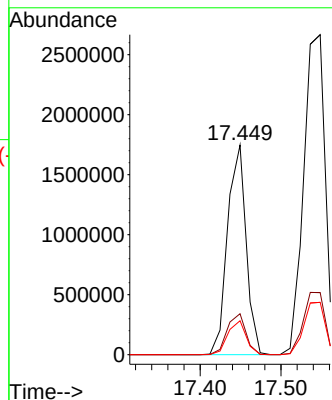
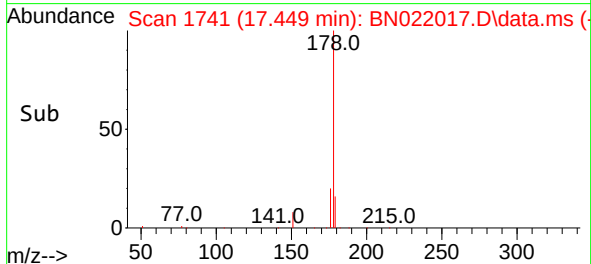
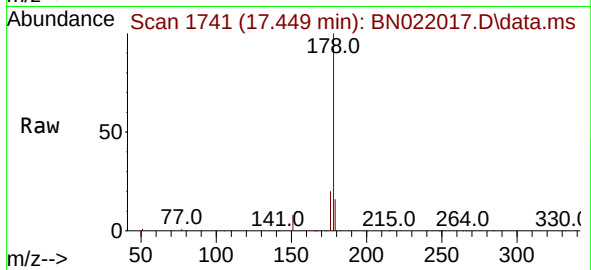




#25
Phenanthrene
Concen: 55.515 ng
RT: 17.449 min Scan# 1741
Delta R.T. 0.000 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

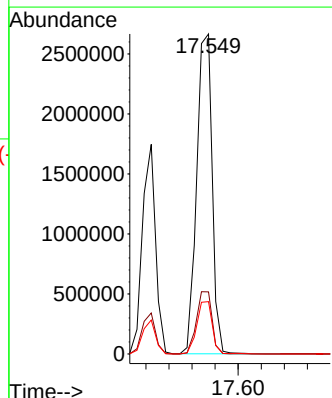
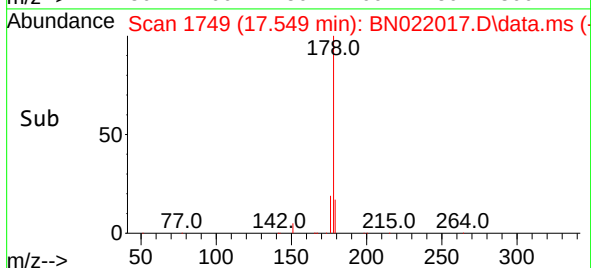
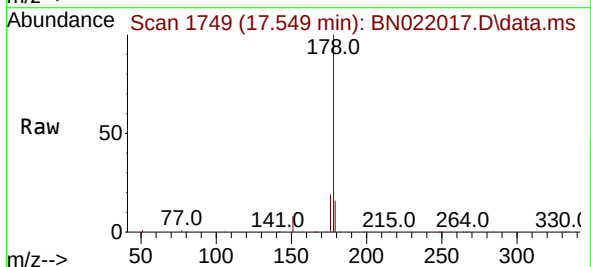
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

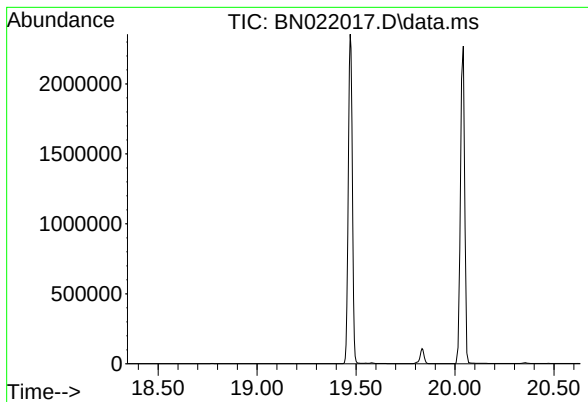
Tgt Ion:178 Resp: 2795095
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 15.9 12.2 18.2



#26
Anthracene
Concen: 123.178 ng
RT: 17.549 min Scan# 1749
Delta R.T. 0.013 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Tgt Ion:178 Resp: 4979268
Ion Ratio Lower Upper
178 100
176 19.6 14.8 22.2
179 16.3 12.2 18.2



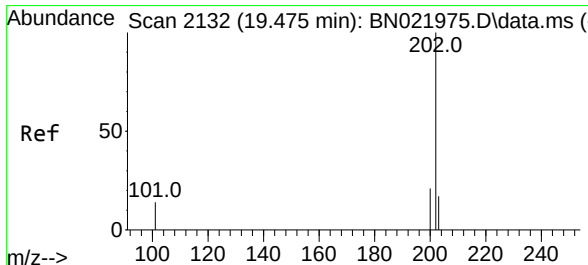
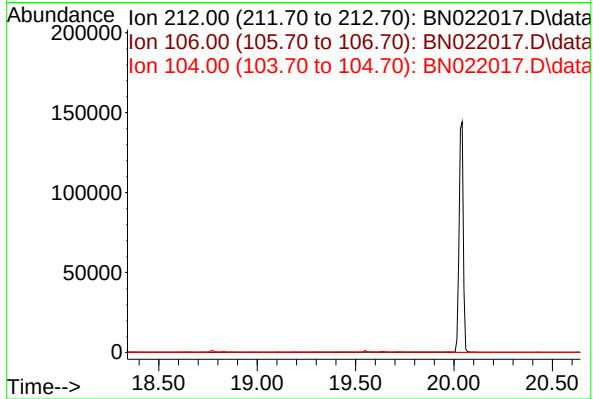


#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.44 min
 Lab File: BN022017.D
 Acq: 06 Oct 2022 12:12

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Tgt Ion: 212

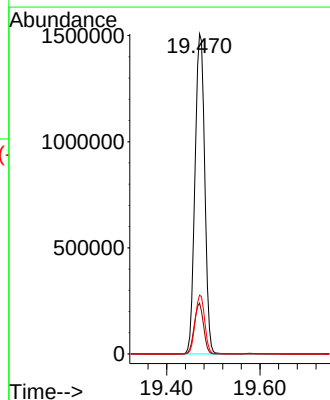
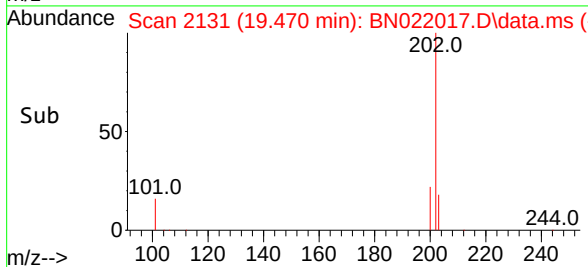
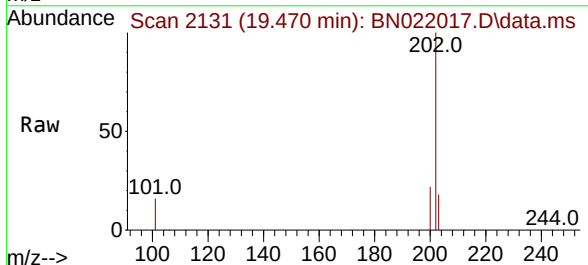
Sig	Exp Ratio
212	100
106	19.0
104	10.8

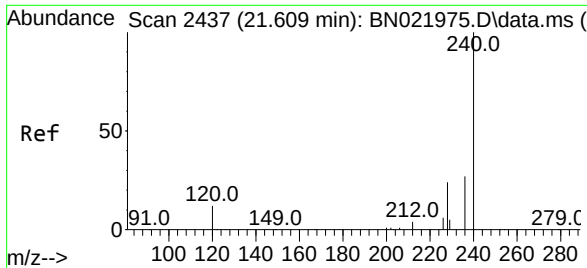


#28
 Fluoranthene
 Concen: 40.495 ng
 RT: 19.470 min Scan# 2131
 Delta R.T. -0.004 min
 Lab File: BN022017.D
 Acq: 06 Oct 2022 12:12

Tgt Ion: 202 Resp: 2184538

Ion	Ratio	Lower	Upper
202	100		
101	15.1	11.4	17.0
203	17.9	13.5	20.3

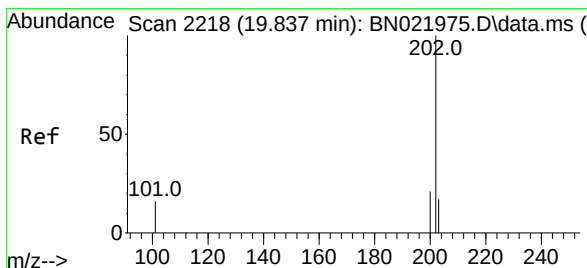
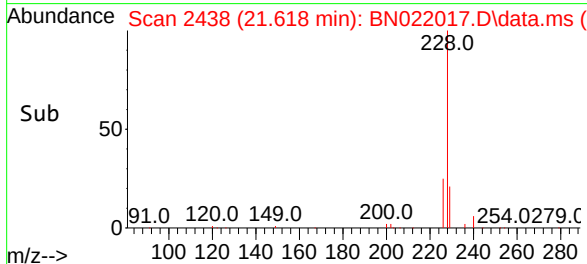
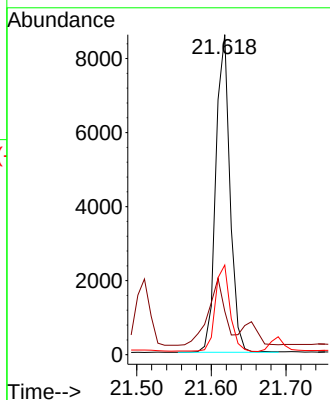
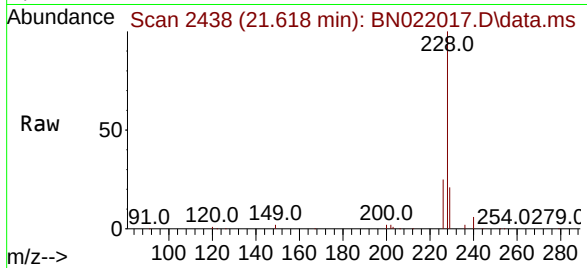




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.618 min Scan# 2438
Delta R.T. 0.009 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

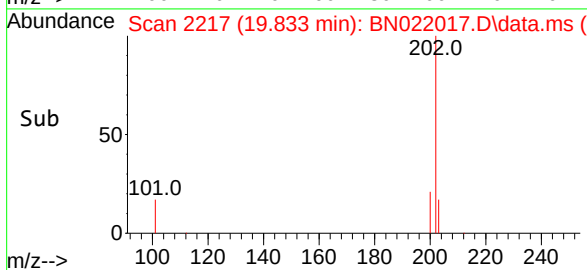
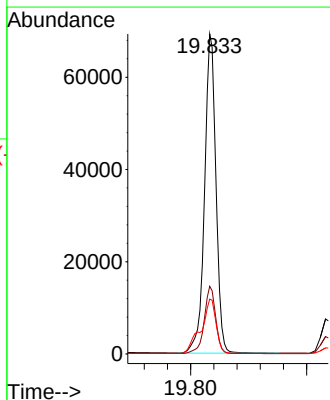
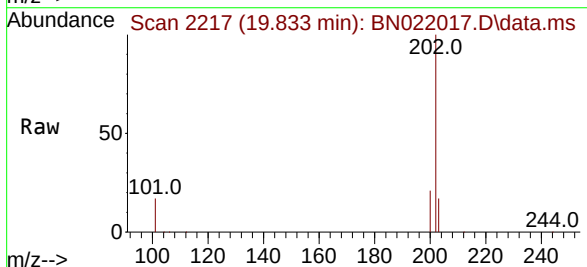
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

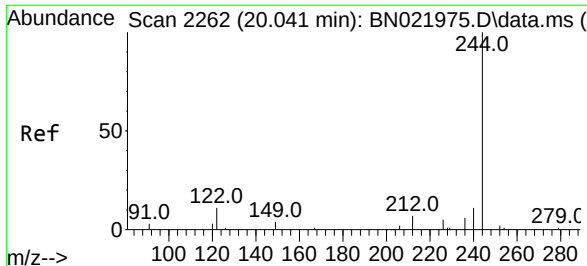
Tgt Ion:240 Resp: 11307
Ion Ratio Lower Upper
240 100
120 13.6 11.8 17.6
236 28.0 22.4 33.6



#30
Pyrene
Concen: 1.899 ng
RT: 19.833 min Scan# 2217
Delta R.T. -0.004 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Tgt Ion:202 Resp: 94283
Ion Ratio Lower Upper
202 100
200 21.2 16.6 25.0
203 22.4 14.1 21.1#

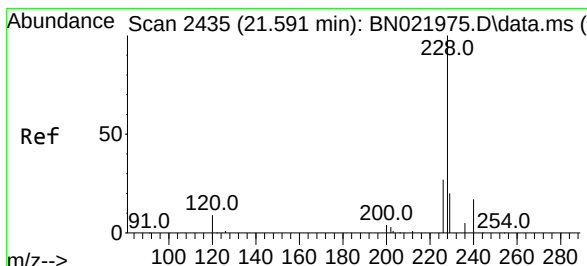
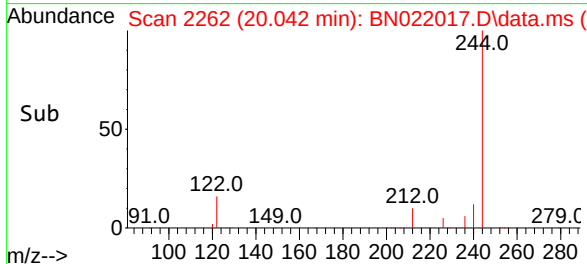
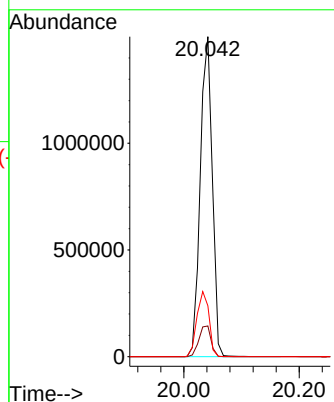
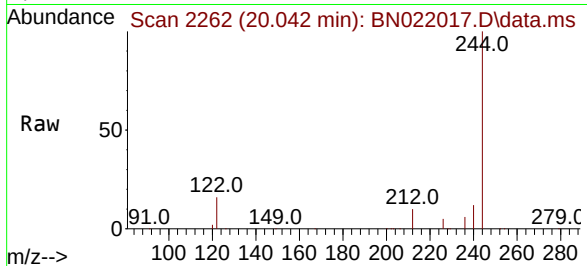




#31
 Terphenyl-d14
 Concen: 88.175 ng
 RT: 20.042 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN022017.D
 Acq: 06 Oct 2022 12:12

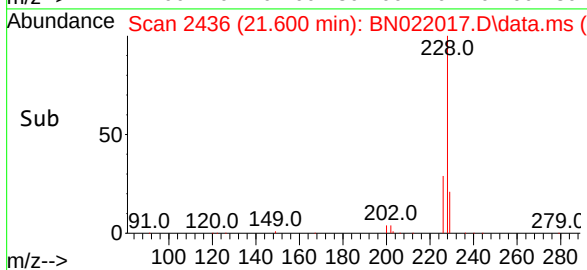
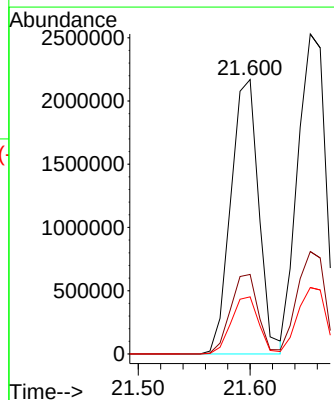
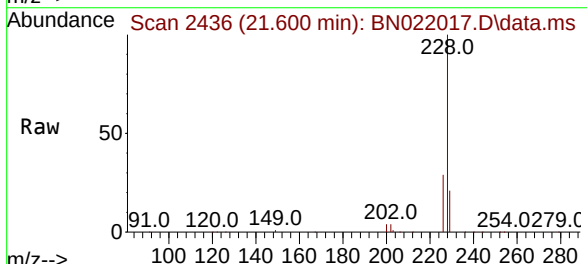
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

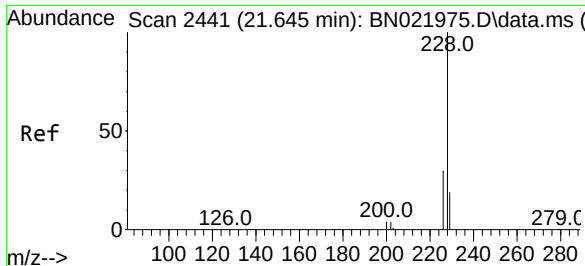
Tgt Ion:244 Resp: 2004387
 Ion Ratio Lower Upper
 244 100
 212 9.6 6.5 9.7
 122 15.9 9.1 13.7#



#32
 Benzo(a)anthracene
 Concen: 88.571 ng
 RT: 21.600 min Scan# 2436
 Delta R.T. 0.009 min
 Lab File: BN022017.D
 Acq: 06 Oct 2022 12:12

Tgt Ion:228 Resp: 3765836
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.2 33.4
 229 20.8 16.2 24.2





#33

Chrysene

Concen: 92.977 ng

RT: 21.654 min Scan# 2441

Delta R.T. 0.009 min

Lab File: BN022017.D

Acq: 06 Oct 2022 12:12

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

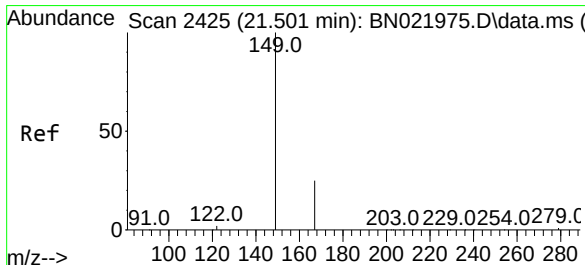
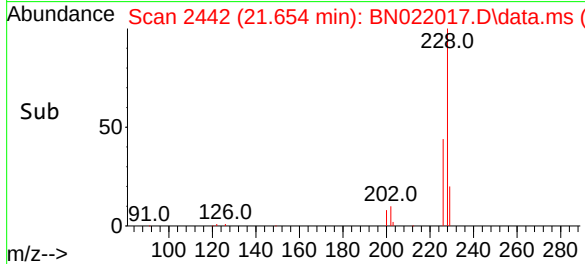
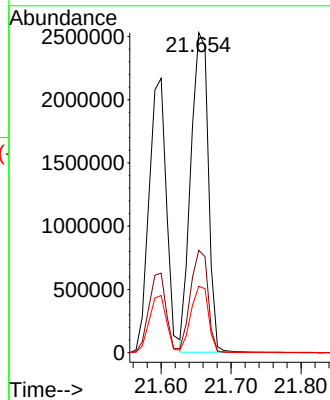
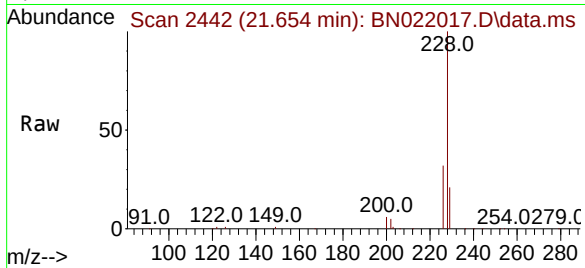
Tgt Ion:228 Resp: 4387068

Ion Ratio Lower Upper

228 100

226 32.0 24.2 36.2

229 20.7 15.8 23.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 200.016 ng

RT: 21.510 min Scan# 2426

Delta R.T. 0.009 min

Lab File: BN022017.D

Acq: 06 Oct 2022 12:12

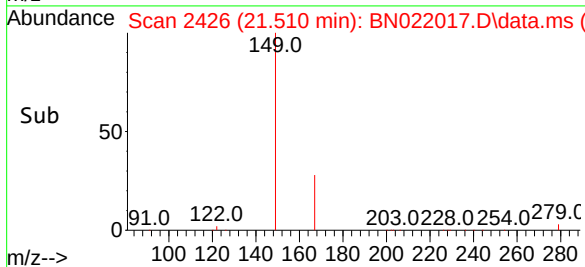
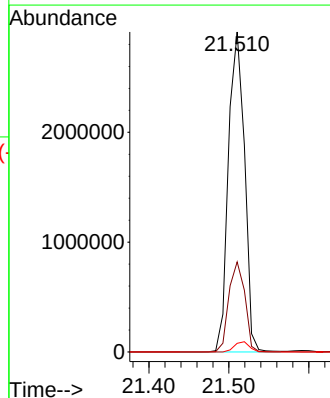
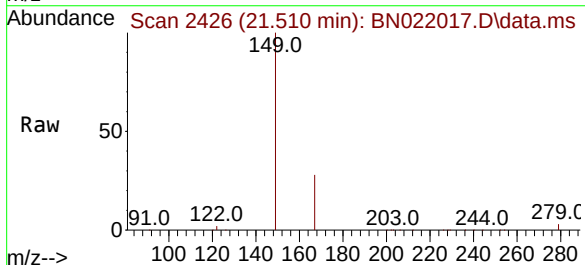
Tgt Ion:149 Resp: 4080457

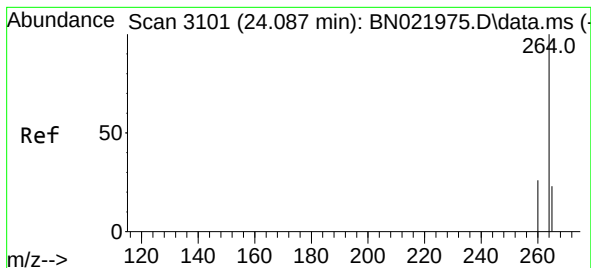
Ion Ratio Lower Upper

149 100

167 28.1 20.2 30.4

279 3.0 2.3 3.5





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.093 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN022017.D

Acq: 06 Oct 2022 12:12

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

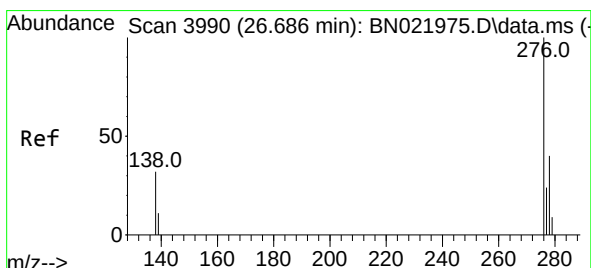
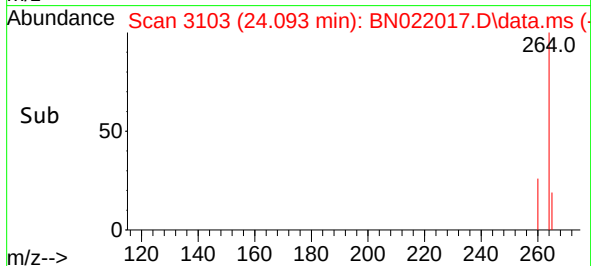
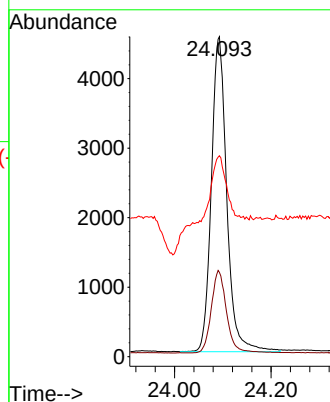
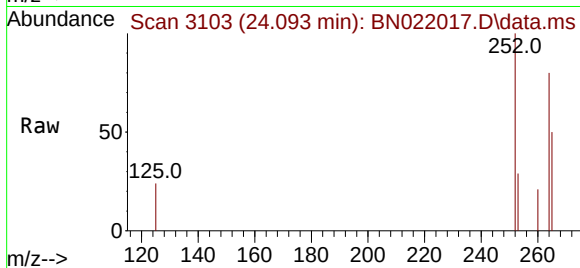
Tgt Ion:264 Resp: 10043

Ion Ratio Lower Upper

264 100

260 26.3 21.3 31.9

265 62.8 63.0 94.4#



#36

Indeno(1,2,3-cd)pyrene

Concen: 92.171 ng

RT: 26.730 min Scan# 4005

Delta R.T. 0.044 min

Lab File: BN022017.D

Acq: 06 Oct 2022 12:12

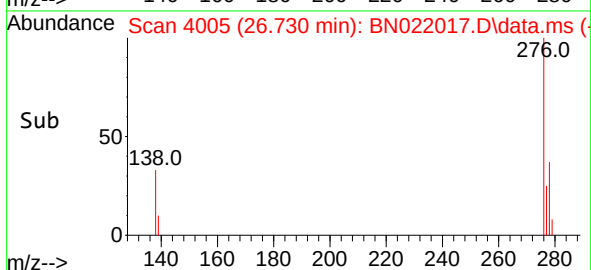
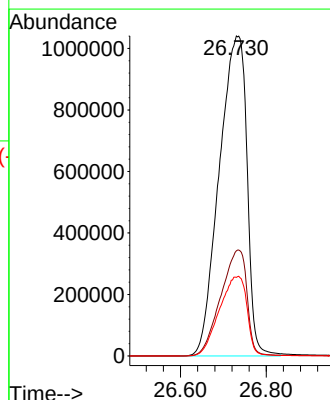
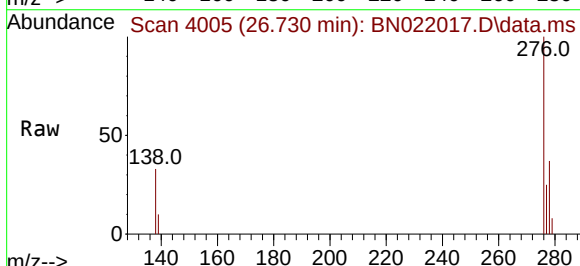
Tgt Ion:276 Resp: 4677222

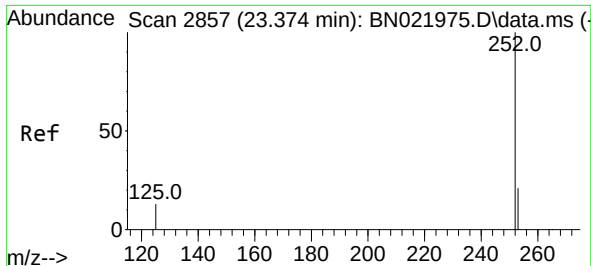
Ion Ratio Lower Upper

276 100

138 31.3 28.0 42.0

277 24.7 19.8 29.8

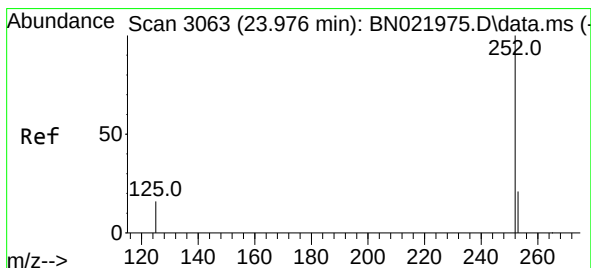
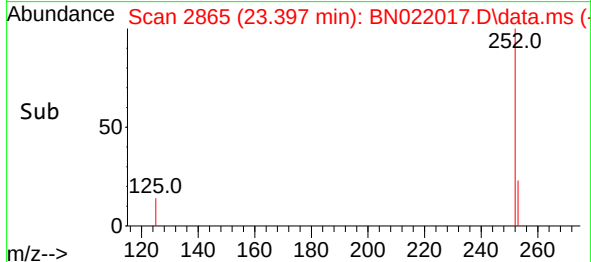
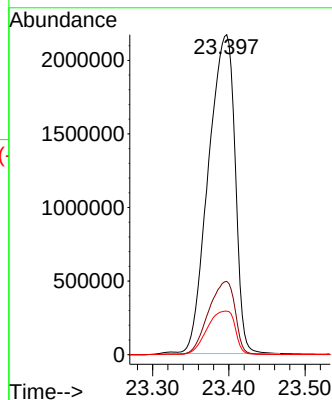
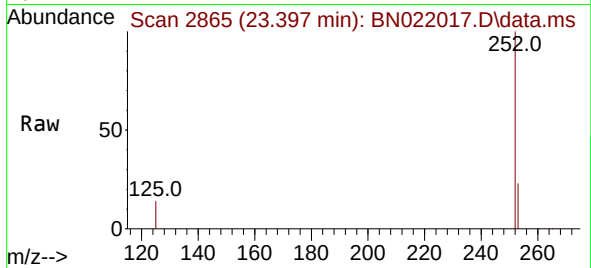




#38
Benzo(k)fluoranthene
Concen: 111.042 ng
RT: 23.397 min Scan# 21
Delta R.T. 0.023 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

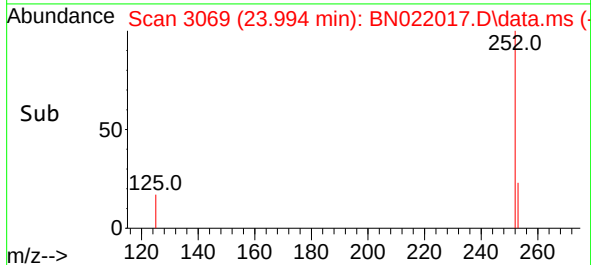
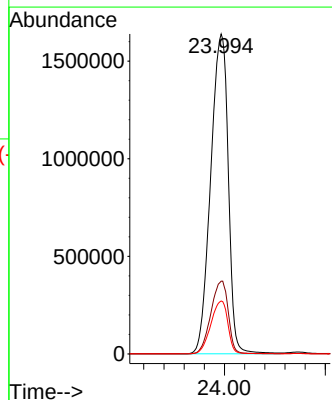
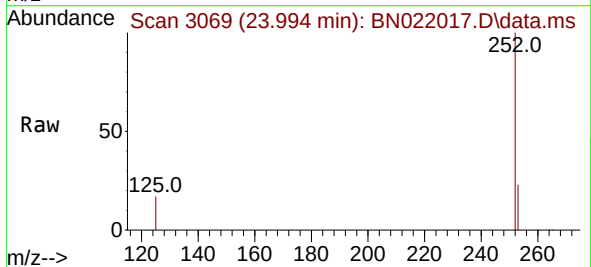
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

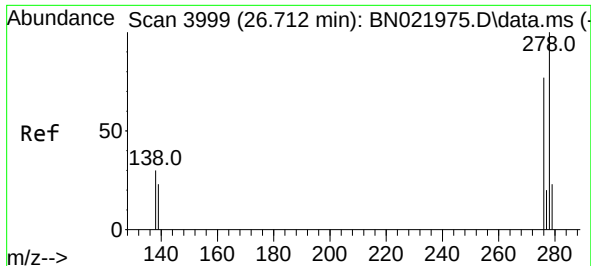
Tgt Ion:252 Resp: 5262592
Ion Ratio Lower Upper
252 100
253 22.9 20.4 30.6
125 13.6 15.8 23.6#



#39
Benzo(a)pyrene
Concen: 109.137 ng
RT: 23.994 min Scan# 3069
Delta R.T. 0.018 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Tgt Ion:252 Resp: 3962895
Ion Ratio Lower Upper
252 100
253 22.8 23.2 34.8#
125 16.6 21.1 31.7#

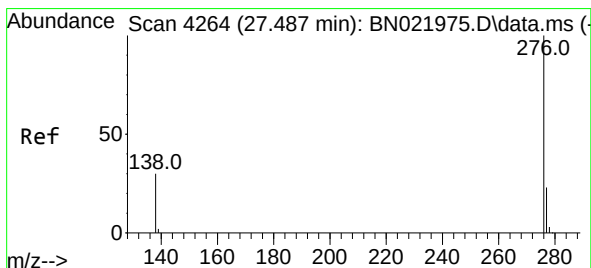
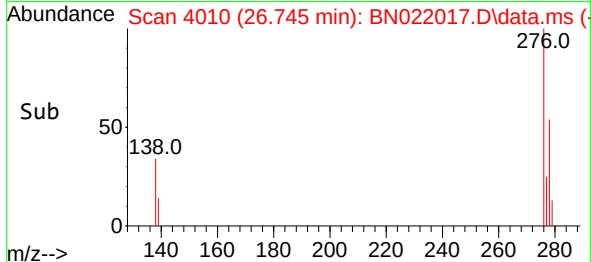
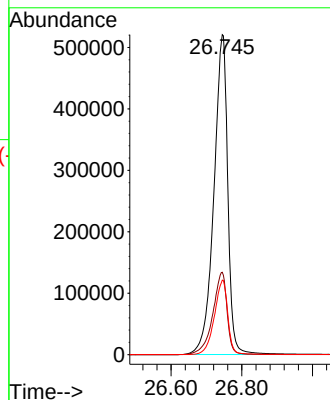
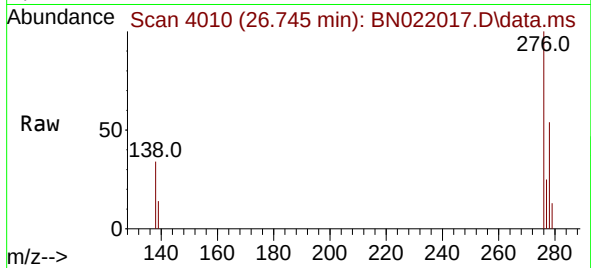




#40
Dibenzo(a,h)anthracene
Concen: 35.163 ng
RT: 26.745 min Scan# 4010
Delta R.T. 0.032 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

Tgt Ion:278 Resp: 1423017
Ion Ratio Lower Upper
278 100
139 25.8 19.9 29.9
279 23.3 21.9 32.9



#41
Benzo(g,h,i)perylene
Concen: 28.626 ng
RT: 27.508 min Scan# 4271
Delta R.T. 0.021 min
Lab File: BN022017.D
Acq: 06 Oct 2022 12:12

Tgt Ion:276 Resp: 1250648
Ion Ratio Lower Upper
276 100
277 23.7 20.0 30.0
138 29.9 25.2 37.8

