

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040523\
 Data File : BN024764.D
 Acq On : 05 Apr 2023 10:25
 Operator : CG/JU
 Sample : 01950-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Quant Time: Apr 05 10:55:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN040523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 05 09:38:43 2023
 Response via : Initial Calibration

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

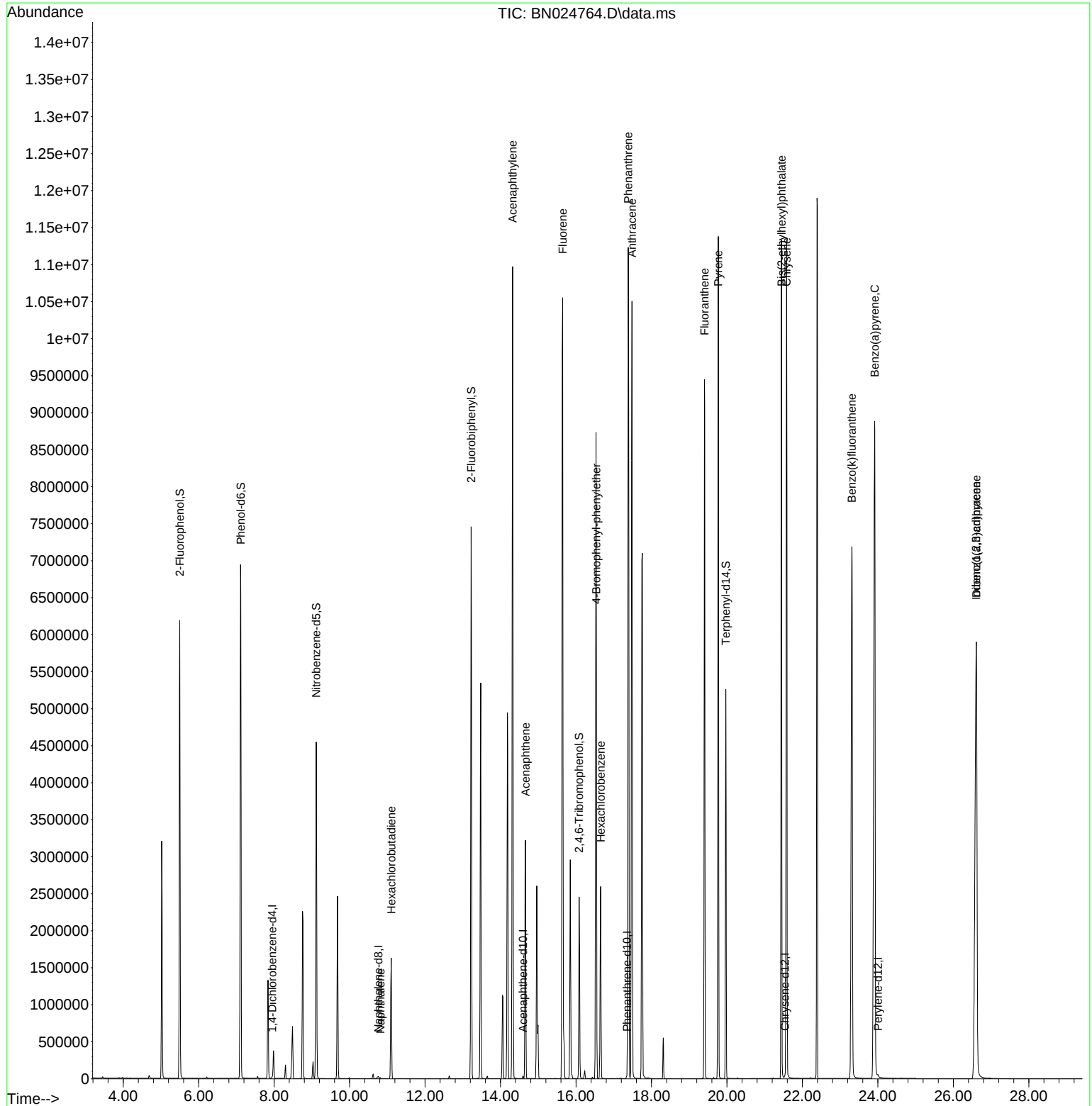
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	11480	0.400	ng	-0.01
7) Naphthalene-d8	10.761	136	33492	0.400	ng	0.00
13) Acenaphthene-d10	14.598	164	19493	0.400	ng	0.00
19) Phenanthrene-d10	17.348	188	41407	0.400	ng	# 0.00
29) Chrysene-d12	21.536	240	36313	0.400	ng	# 0.00
35) Perylene-d12	24.004	264	33963	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.499	112	4408102	166.272	ng	0.00
5) Phenol-d6	7.117	99	6068240	181.487	ng	0.00
8) Nitrobenzene-d5	9.116	82	3184990	117.977	ng	0.00
11) 2-Methylnaphthalene-d10	12.525	152	10	0.000	ng	0.17
14) 2,4,6-Tribromophenol	16.082	330	1351255	154.164	ng	0.00
15) 2-Fluorobiphenyl	13.219	172	6554731	88.033	ng	0.00
27) Fluoranthene-d10	19.372	212	46	0.000	ng	0.00
31) Terphenyl-d14	19.970	244	7742372	94.052	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.814	128	18859	0.219	ng	100
10) Hexachlorobutadiene	11.102	225	1303260	79.314	ng	# 99
16) Acenaphthylene	14.320	152	12157572	148.378	ng	97
17) Acenaphthene	14.662	154	1753645	31.635	ng	96
18) Fluorene	15.646	166	4608328	60.558	ng	98
21) 4-Bromophenyl-phenylether	16.541	248	3309418	135.681	ng	# 85
22) Hexachlorobenzene	16.653	284	2074679	75.071	ng	97
25) Phenanthrene	17.385	178	13417408	111.605	ng	97
26) Anthracene	17.485	178	11644700	111.089	ng	97
28) Fluoranthene	19.406	202	8623206	63.183	ng	96
30) Pyrene	19.772	202	10597085	82.096	ng	97
33) Chrysene	21.580	228	10970613	85.302	ng	95
34) Bis(2-ethylhexyl)phtha...	21.446	149	11321752	171.654	ng	97
36) Indeno(1,2,3-cd)pyrene	26.606	276	2839805	19.072	ng	# 63
38) Benzo(k)fluoranthene	23.311	252	12010311	94.076	ng	97
39) Benzo(a)pyrene	23.916	252	17409852	141.325	ng	# 88
40) Dibenzo(a,h)anthracene	26.609	278	11328819	96.677	ng	98

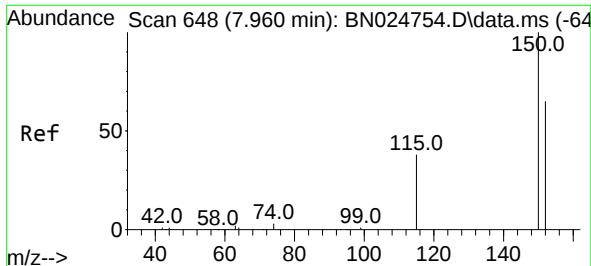
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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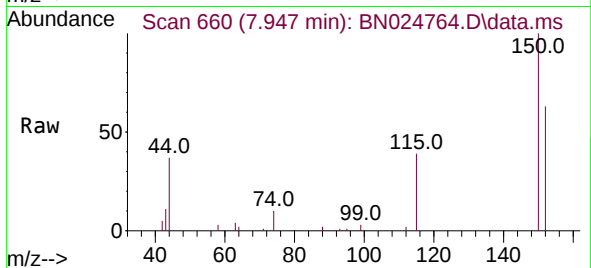
Quant Time: Apr 05 10:55:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN040523.M
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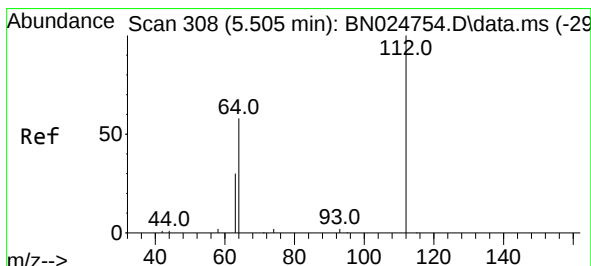
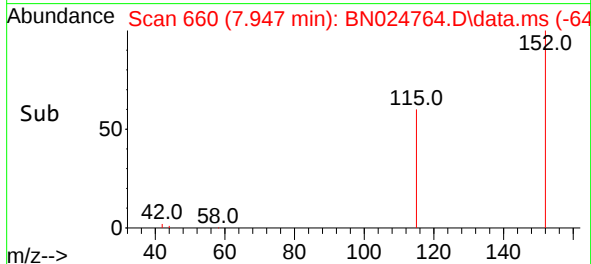
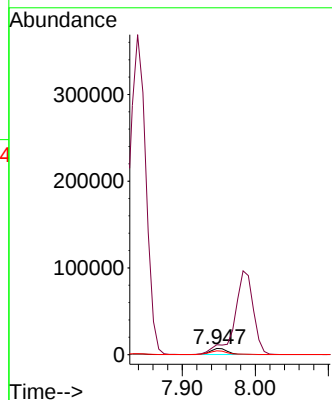


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.947 min Scan# 60
Delta R.T. -0.013 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

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ClientSampleId :
PT-BN-WP

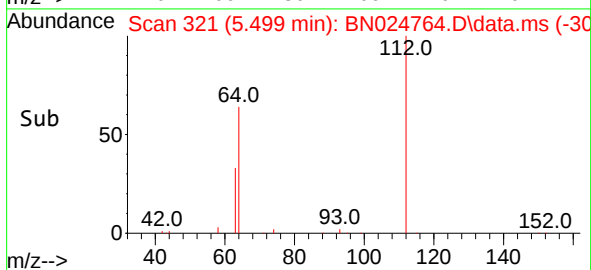
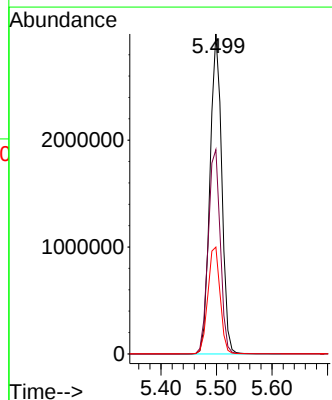
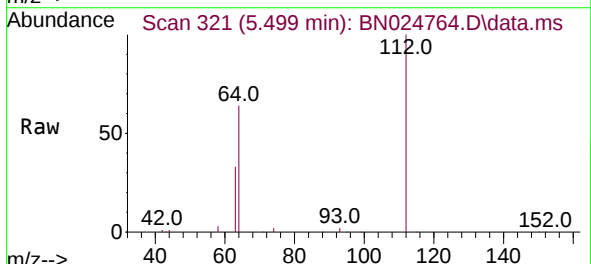


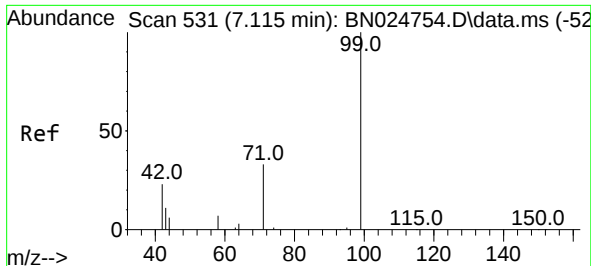
Tgt Ion:152 Resp: 11480
Ion Ratio Lower Upper
152 100
150 159.6 121.8 182.8
115 61.6 48.3 72.5



#4
2-Fluorophenol
Concen: 166.272 ng
RT: 5.499 min Scan# 321
Delta R.T. -0.006 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion:112 Resp: 4408102
Ion Ratio Lower Upper
112 100
64 65.7 52.5 78.7
63 34.8 27.9 41.9

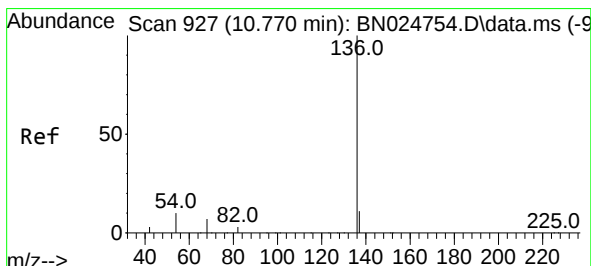
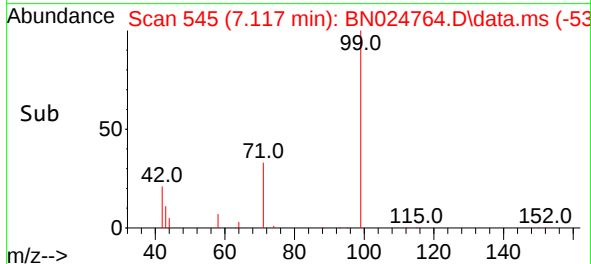
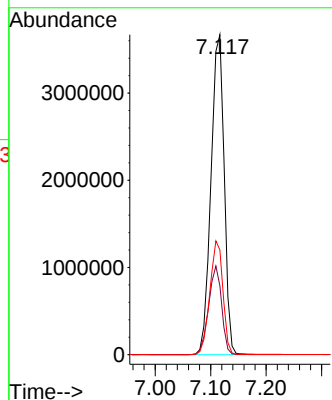
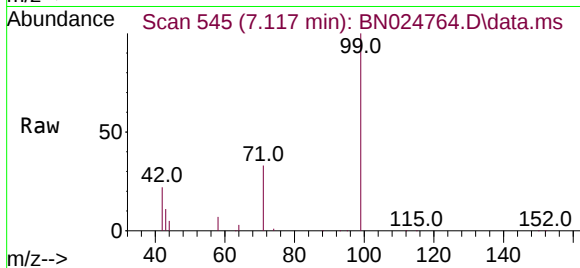




#5
Phenol-d6
Concen: 181.487 ng
RT: 7.117 min Scan# 54
Delta R.T. 0.001 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

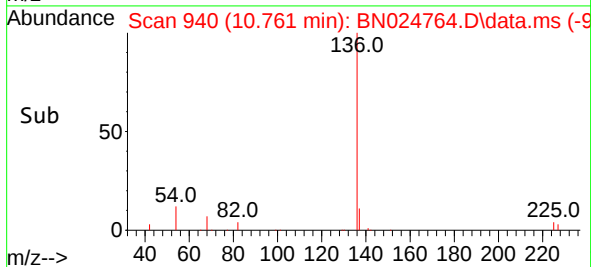
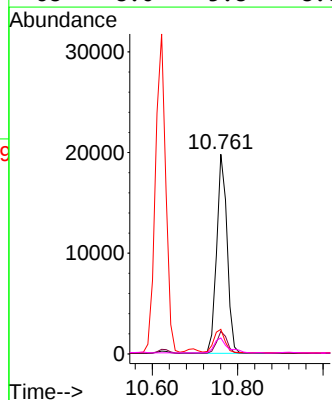
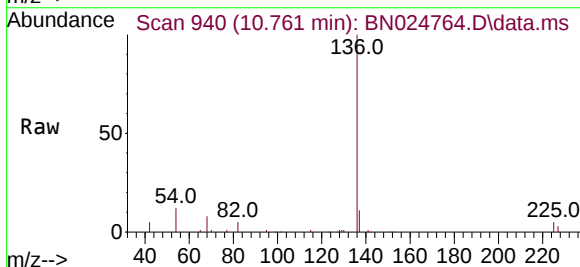
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

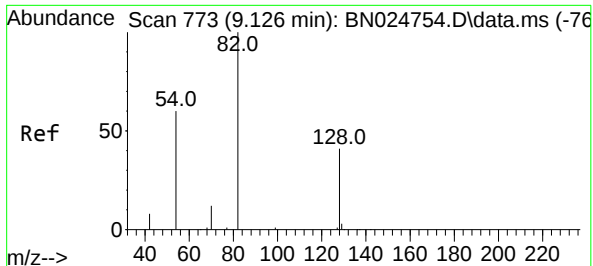
Tgt Ion: 99 Resp: 6068240
Ion Ratio Lower Upper
99 100
42 27.1 22.8 34.2
71 35.2 28.2 42.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.761 min Scan# 940
Delta R.T. -0.009 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion: 136 Resp: 33492
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 12.3 8.2 12.4
68 8.0 5.8 8.6





#8
Nitrobenzene-d5
Concen: 117.977 ng
RT: 9.116 min Scan# 773
Delta R.T. -0.009 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

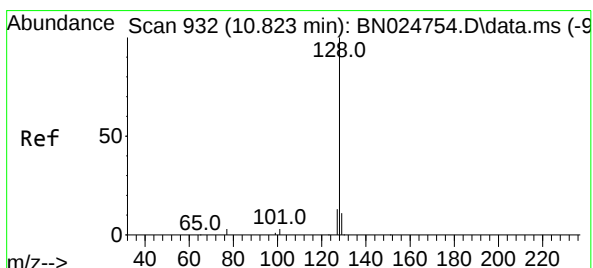
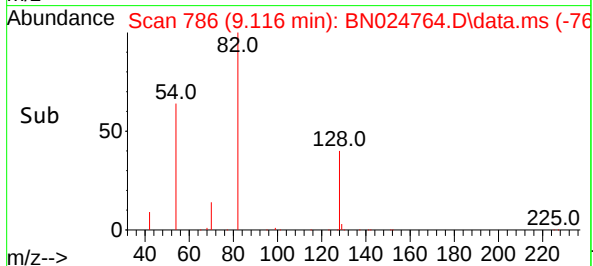
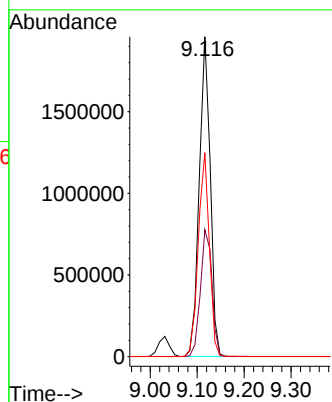
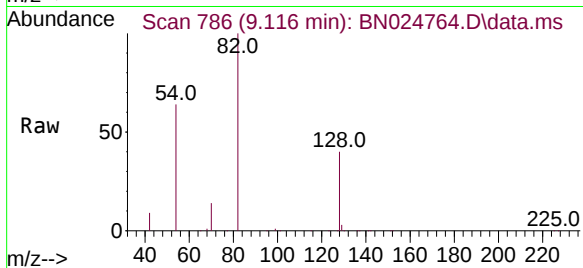
Instrument :

BNA_N

ClientSampleId :

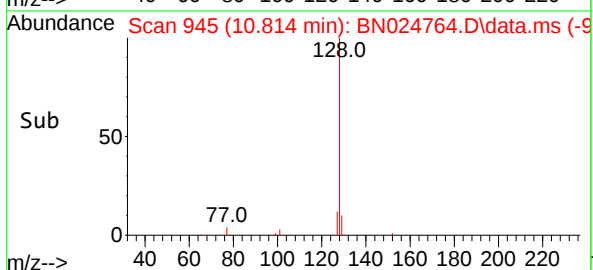
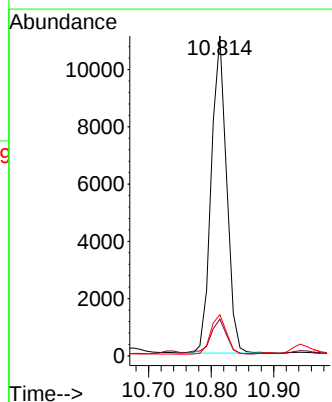
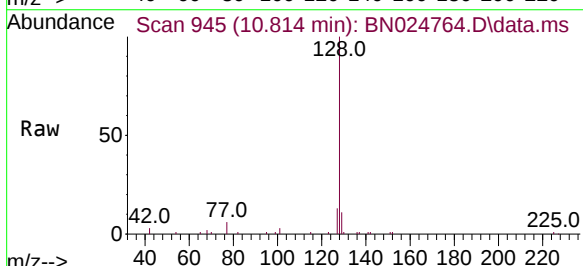
PT-BN-WP

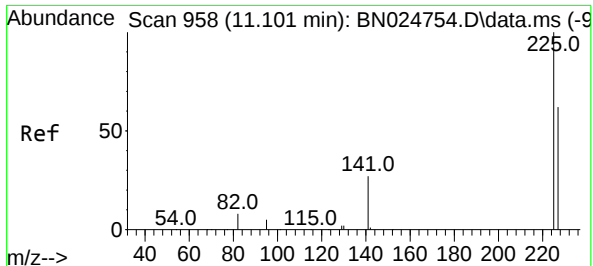
Tgt Ion: 82 Resp: 3184990
Ion Ratio Lower Upper
82 100
128 39.7 33.8 50.6
54 63.8 49.4 74.0



#9
Naphthalene
Concen: 0.219 ng
RT: 10.814 min Scan# 945
Delta R.T. -0.009 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion: 128 Resp: 18859
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 12.9 10.4 15.6

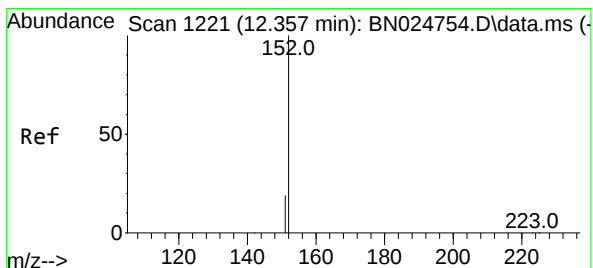
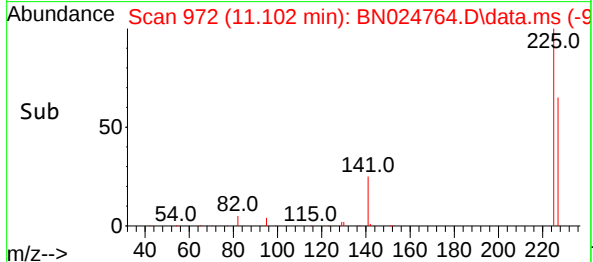
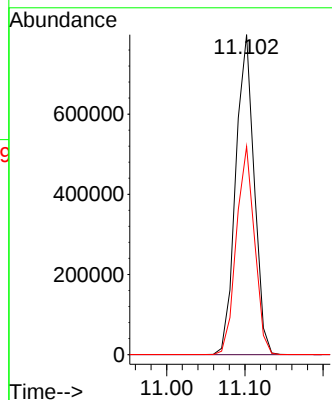
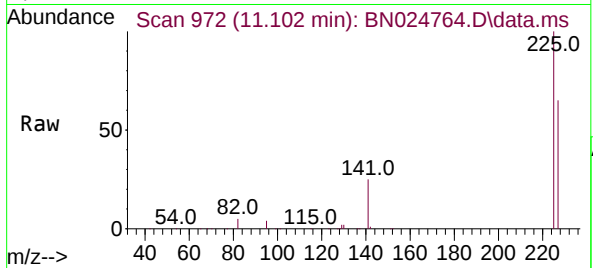




#10
 Hexachlorobutadiene
 Concen: 79.314 ng
 RT: 11.102 min Scan# 91
 Delta R.T. 0.001 min
 Lab File: BN024764.D
 Acq: 05 Apr 2023 10:25

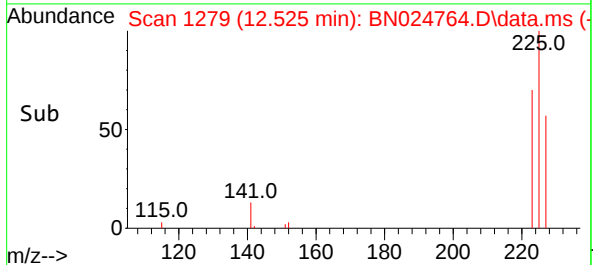
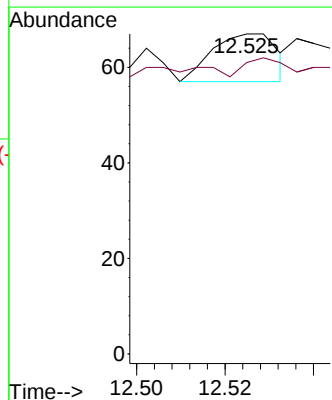
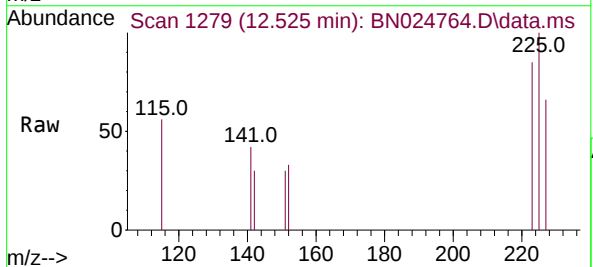
Instrument :
 BNA_N
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 PT-BN-WP

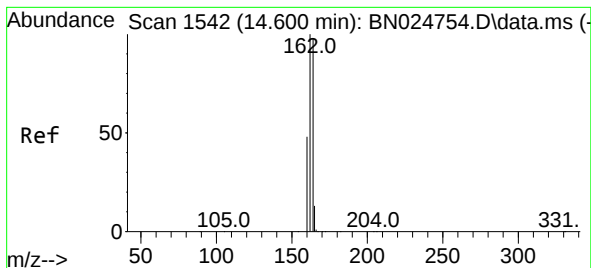
Tgt Ion:225 Resp: 1303260
 Ion Ratio Lower Upper
 225 100
 223 0.0 0.0 0.0
 227 64.3 50.5 75.7



#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 RT: 12.525 min Scan# 1279
 Delta R.T. 0.168 min
 Lab File: BN024764.D
 Acq: 05 Apr 2023 10:25

Tgt Ion:152 Resp: 10
 Ion Ratio Lower Upper
 152 100
 151 20.0 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.598 min Scan# 1555

Delta R.T. -0.003 min

Lab File: BN024764.D

Acq: 05 Apr 2023 10:25

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

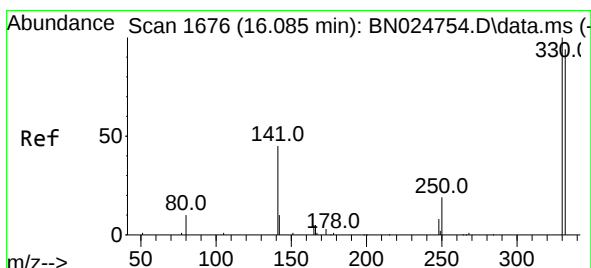
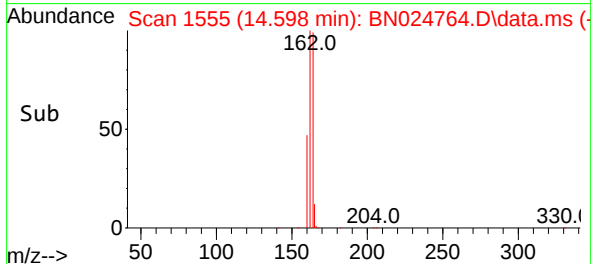
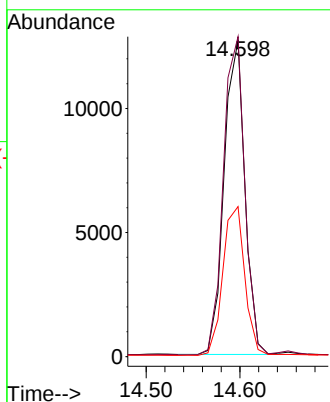
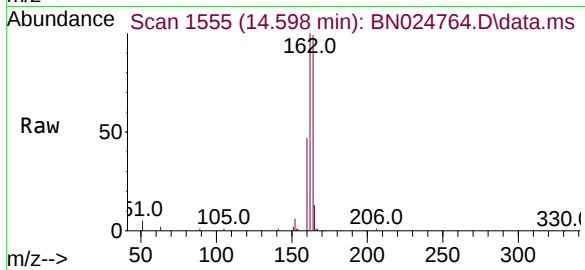
Tgt Ion:164 Resp: 19493

Ion Ratio Lower Upper

164 100

162 101.1 81.9 122.9

160 47.4 39.2 58.8



#14

2,4,6-Tribromophenol

Concen: 154.164 ng

RT: 16.082 min Scan# 1689

Delta R.T. -0.002 min

Lab File: BN024764.D

Acq: 05 Apr 2023 10:25

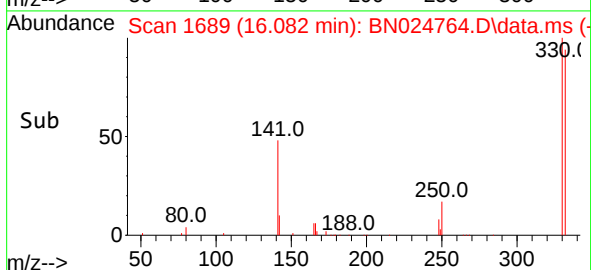
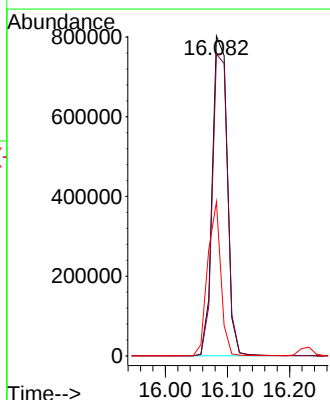
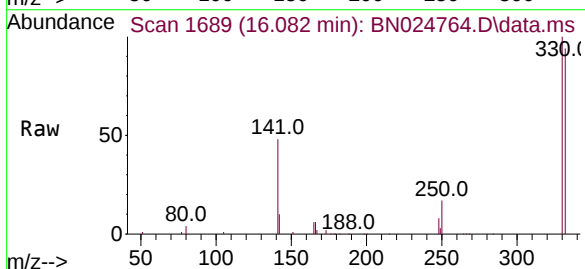
Tgt Ion:330 Resp: 1351255

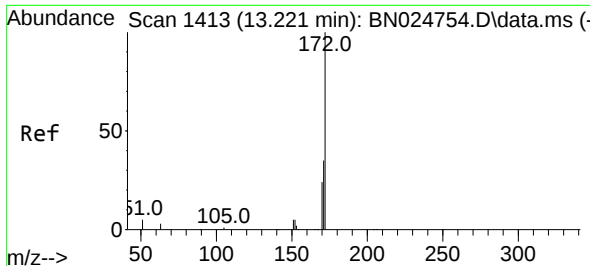
Ion Ratio Lower Upper

330 100

332 95.9 77.9 116.9

141 42.3 31.0 46.6

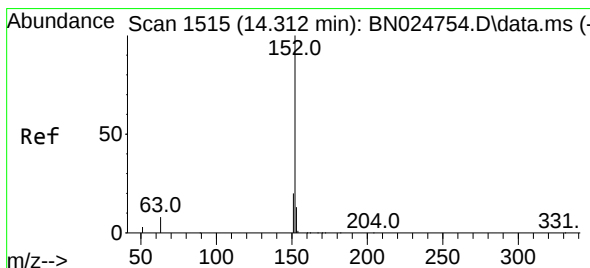
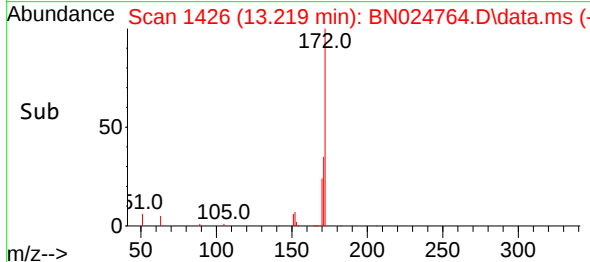
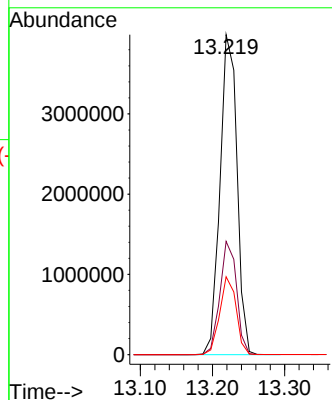
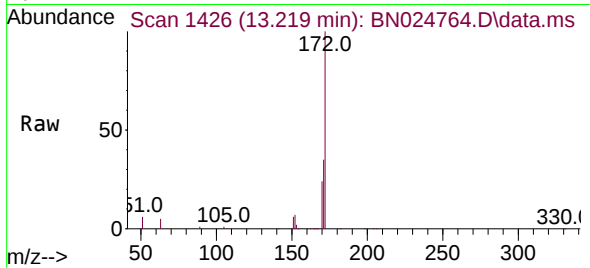




#15
2-Fluorobiphenyl
Concen: 88.033 ng
RT: 13.219 min Scan# 1413
Delta R.T. -0.003 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

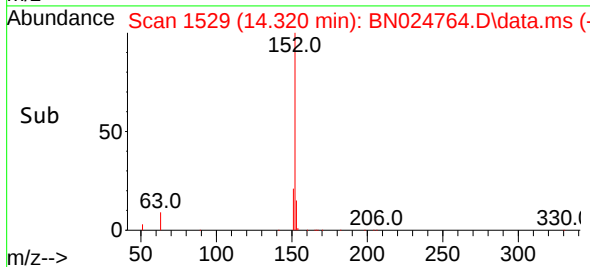
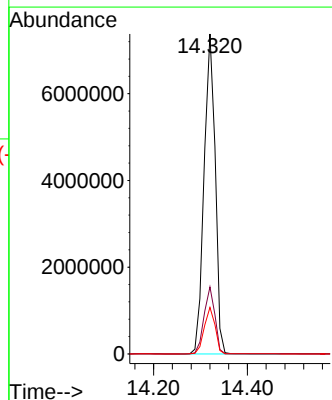
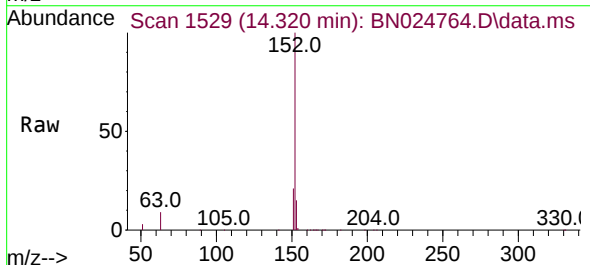
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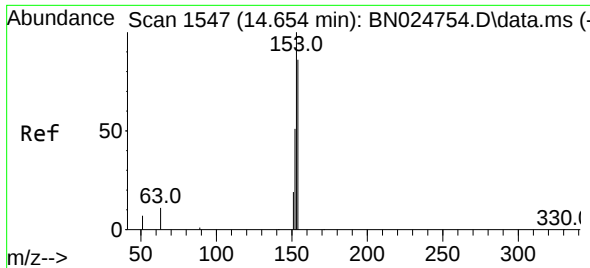
Tgt Ion:172 Resp: 6554731
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 24.3 19.2 28.8



#16
Acenaphthylene
Concen: 148.378 ng
RT: 14.320 min Scan# 1529
Delta R.T. 0.008 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion:152 Resp:12157572
Ion Ratio Lower Upper
152 100
151 20.3 15.3 22.9
153 14.2 10.3 15.5

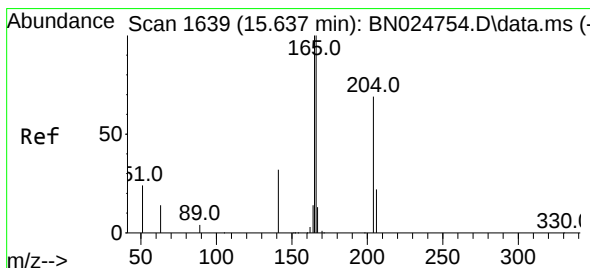
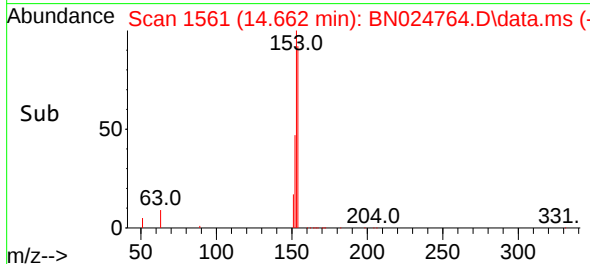
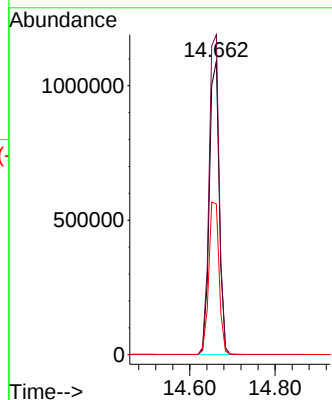
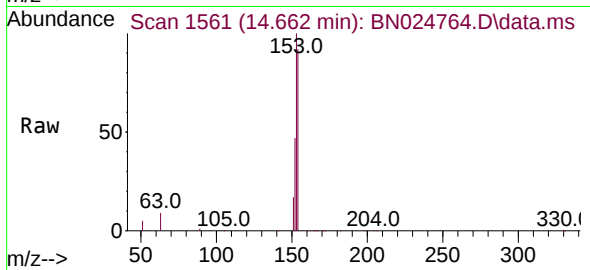




#17
Acenaphthene
Concen: 31.635 ng
RT: 14.662 min Scan# 1561
Delta R.T. 0.008 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

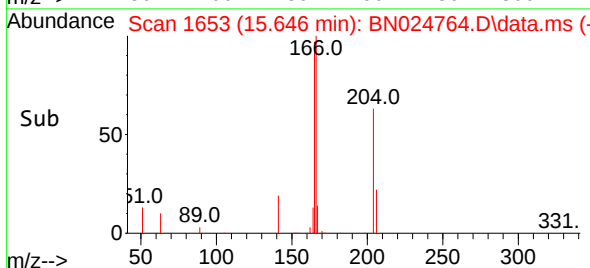
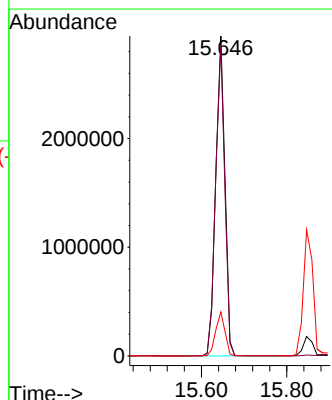
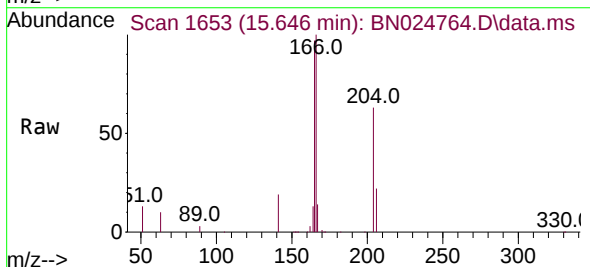
Instrument :
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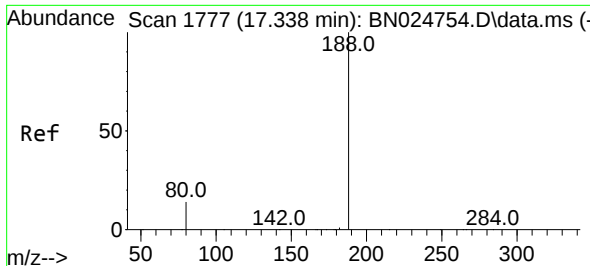
Tgt Ion:154 Resp: 1753645
Ion Ratio Lower Upper
154 100
153 111.9 92.2 138.4
152 54.1 47.1 70.7



#18
Fluorene
Concen: 60.558 ng
RT: 15.646 min Scan# 1653
Delta R.T. 0.008 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion:166 Resp: 4608328
Ion Ratio Lower Upper
166 100
165 96.1 78.3 117.5
167 13.7 10.4 15.6

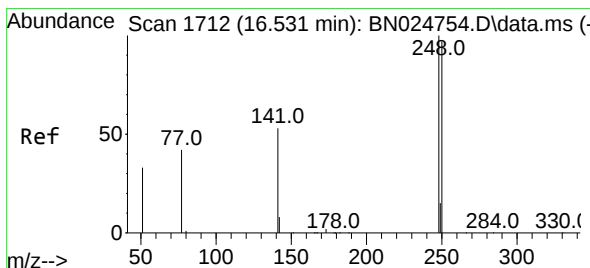
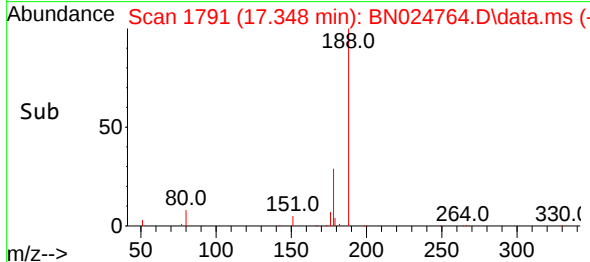
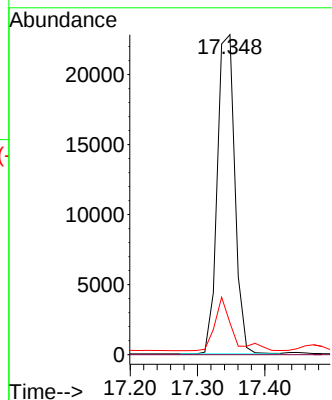
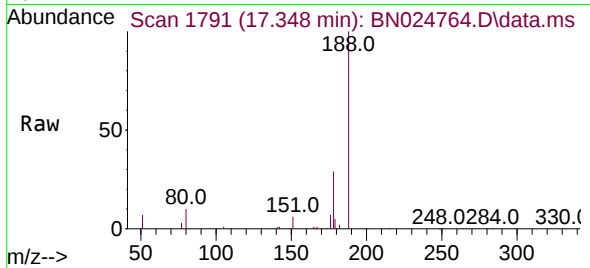




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.348 min Scan# 1777
Delta R.T. 0.010 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

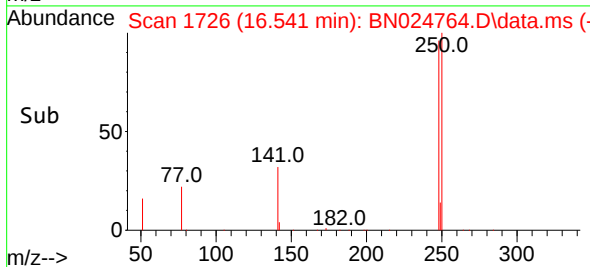
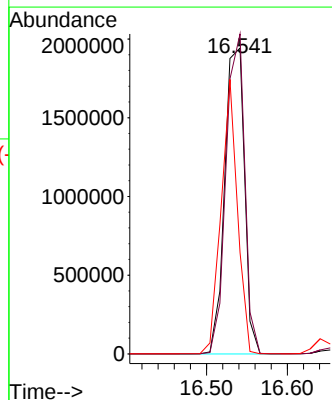
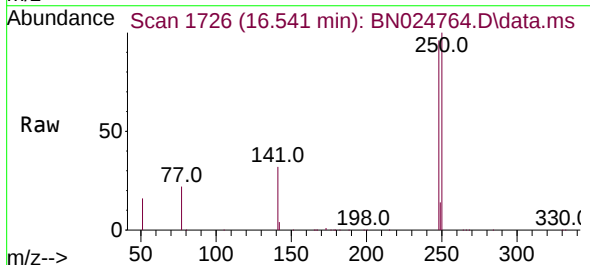
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

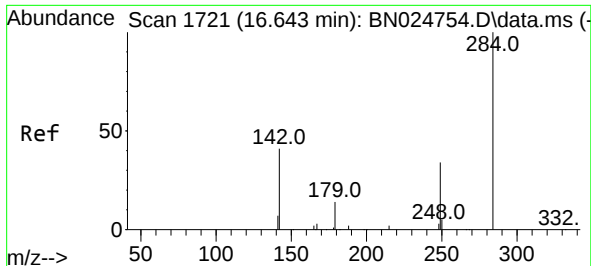
Tgt Ion:188 Resp: 41407
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 11.3 16.9#



#21
4-Bromophenyl-phenylether
Concen: 135.681 ng
RT: 16.541 min Scan# 1726
Delta R.T. 0.010 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion:248 Resp: 3309418
Ion Ratio Lower Upper
248 100
250 104.6 77.7 116.5
141 33.2 43.4 65.2#

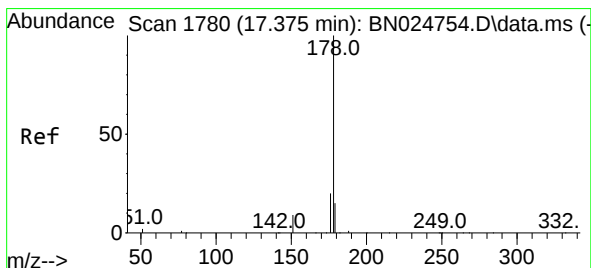
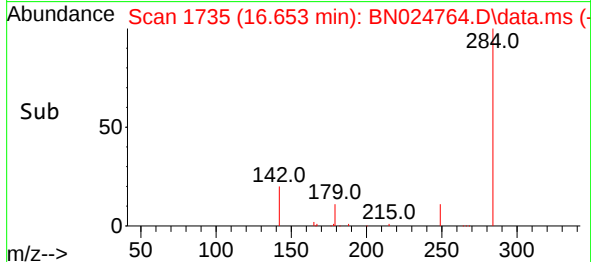
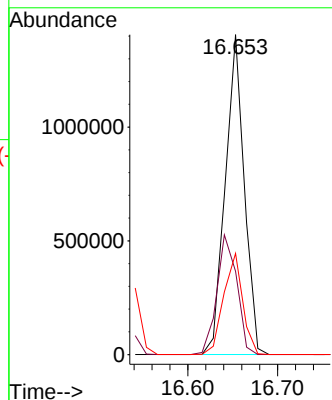
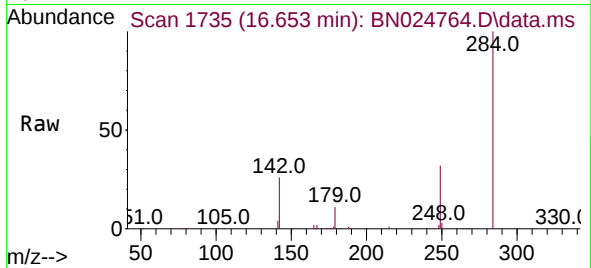




#22
Hexachlorobenzene
Concen: 75.071 ng
RT: 16.653 min Scan# 1735
Delta R.T. 0.010 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

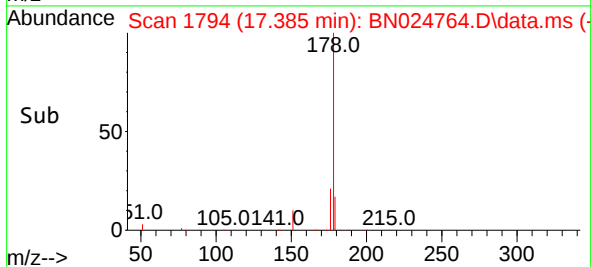
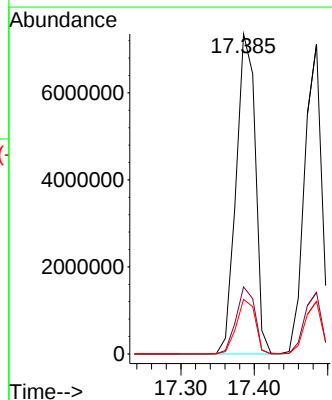
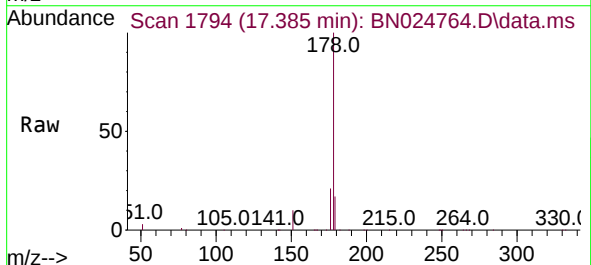
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

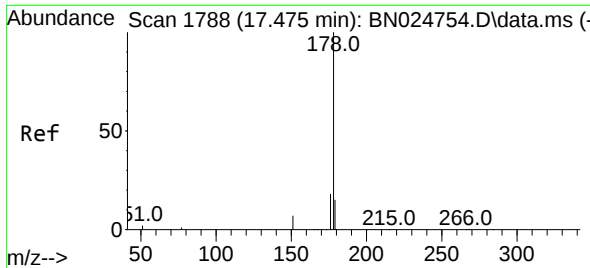
Tgt Ion:284 Resp: 2074679
Ion Ratio Lower Upper
284 100
142 39.3 29.6 44.4
249 31.7 24.6 37.0



#25
Phenanthrene
Concen: 111.605 ng
RT: 17.385 min Scan# 1794
Delta R.T. 0.010 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion:178 Resp:13417408
Ion Ratio Lower Upper
178 100
176 20.4 15.4 23.2
179 16.7 12.2 18.2

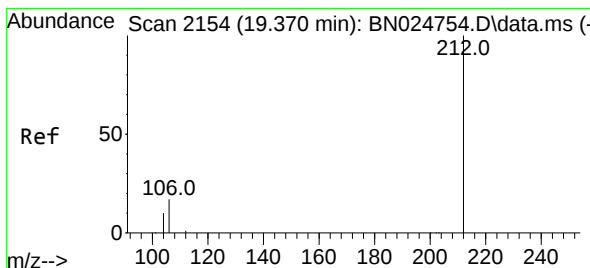
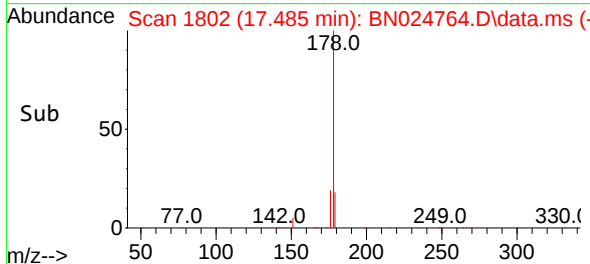
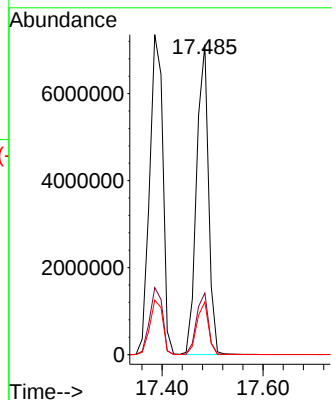
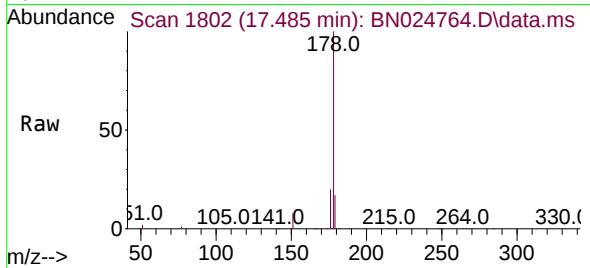




#26
 Anthracene
 Concen: 111.089 ng
 RT: 17.485 min Scan# 1802
 Delta R.T. 0.010 min
 Lab File: BN024764.D
 Acq: 05 Apr 2023 10:25

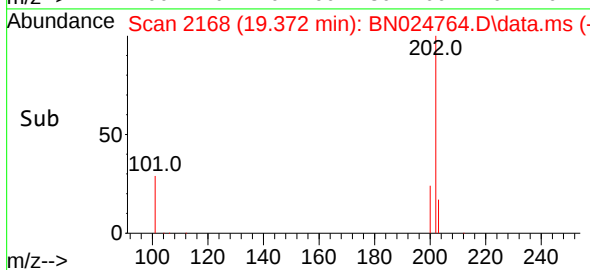
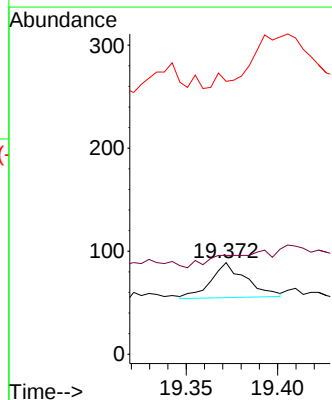
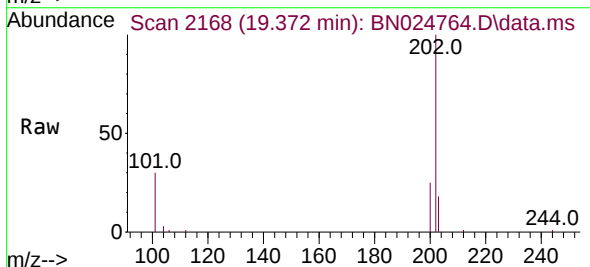
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

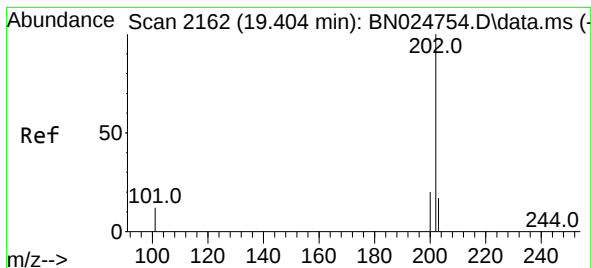
Tgt Ion:178 Resp:11644700
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.9 22.3
 179 16.6 12.4 18.6



#27
 Fluoranthene-d10
 Concen: 0.000 ng
 RT: 19.372 min Scan# 2168
 Delta R.T. 0.002 min
 Lab File: BN024764.D
 Acq: 05 Apr 2023 10:25

Tgt Ion:212 Resp: 46
 Ion Ratio Lower Upper
 212 100
 106 6.5 13.2 19.8#
 104 15.2 7.6 11.4#





#28

Fluoranthene

Concen: 63.183 ng

RT: 19.406 min Scan# 2162

Delta R.T. 0.002 min

Lab File: BN024764.D

Acq: 05 Apr 2023 10:25

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

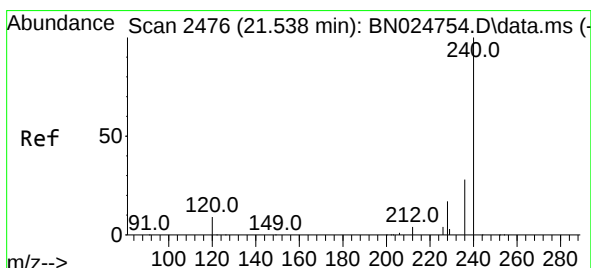
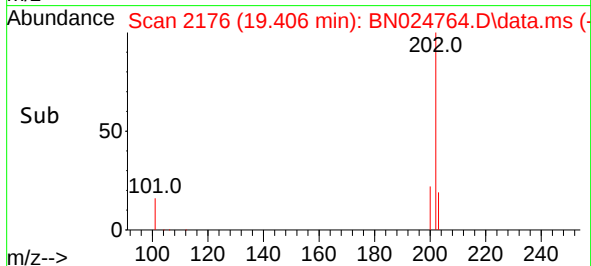
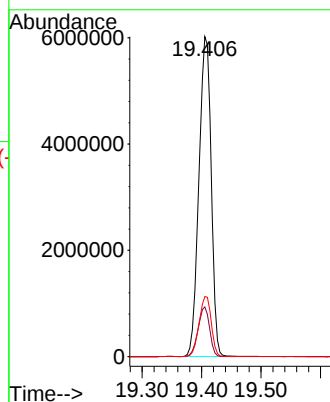
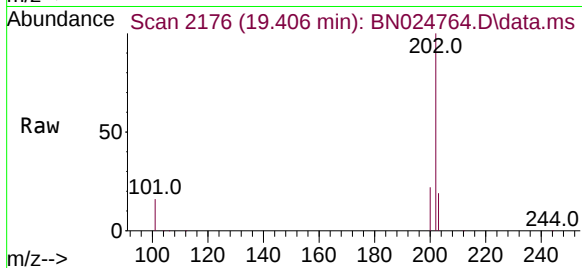
Tgt Ion:202 Resp: 8623206

Ion Ratio Lower Upper

202 100

101 14.5 10.2 15.4

203 18.6 13.4 20.2



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.536 min Scan# 2489

Delta R.T. -0.003 min

Lab File: BN024764.D

Acq: 05 Apr 2023 10:25

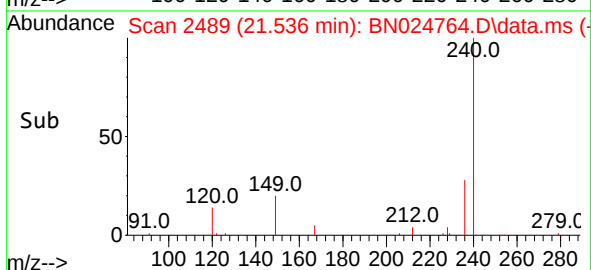
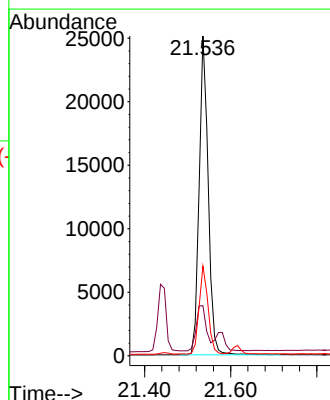
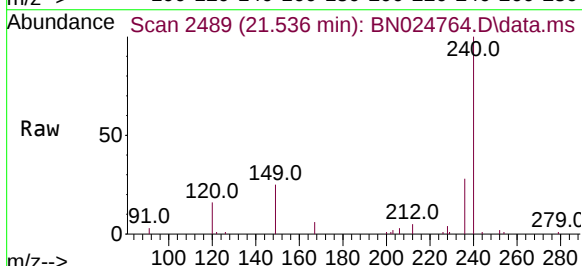
Tgt Ion:240 Resp: 36313

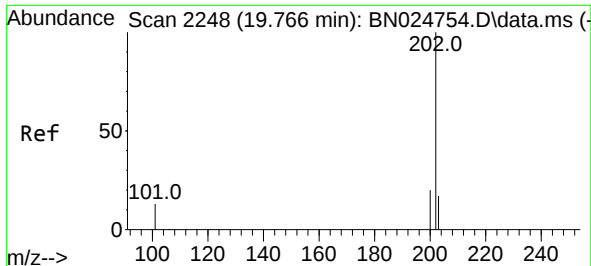
Ion Ratio Lower Upper

240 100

120 15.7 8.8 13.2#

236 28.1 22.6 34.0

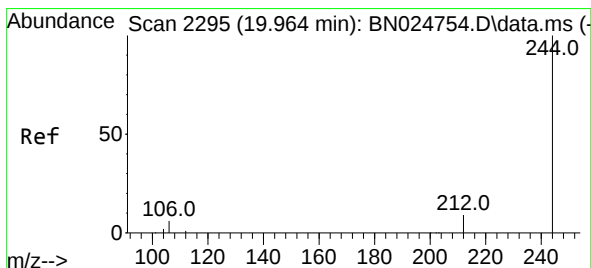
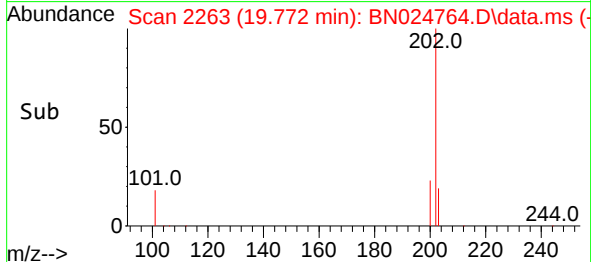
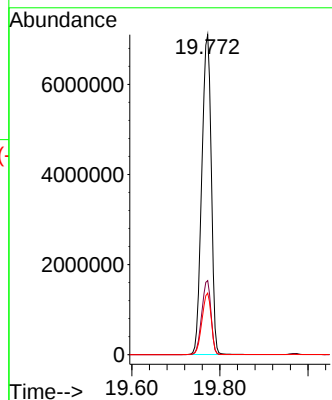
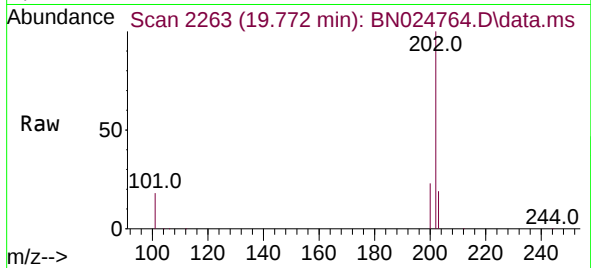




#30
Pyrene
Concen: 82.096 ng
RT: 19.772 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

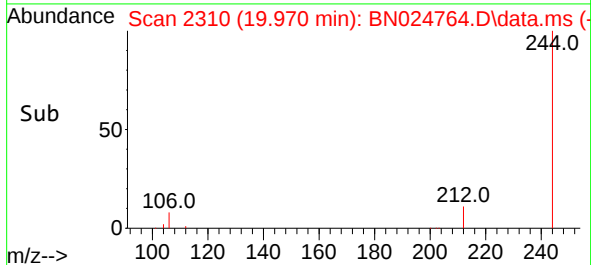
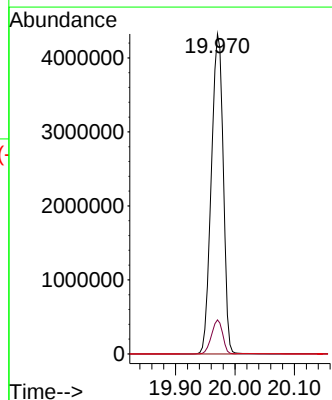
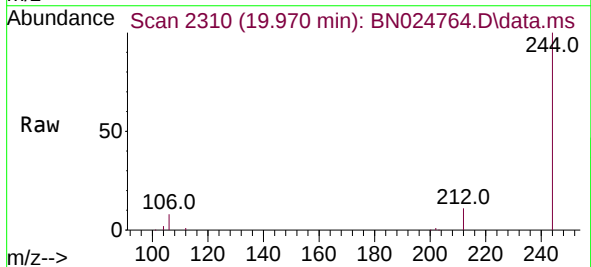
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

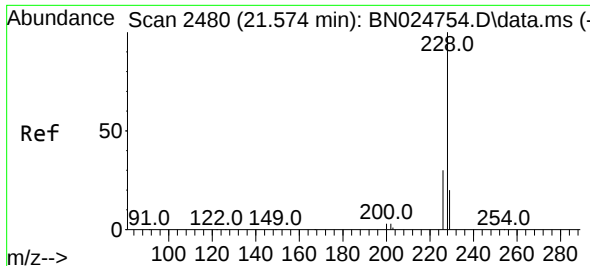
Tgt Ion:202 Resp:10597085
Ion Ratio Lower Upper
202 100
200 22.4 16.7 25.1
203 18.8 14.2 21.4



#31
Terphenyl-d14
Concen: 94.052 ng
RT: 19.970 min Scan# 2310
Delta R.T. 0.006 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion:244 Resp: 7742372
Ion Ratio Lower Upper
244 100
212 10.6 7.4 11.0
122 0.0 0.0 0.0

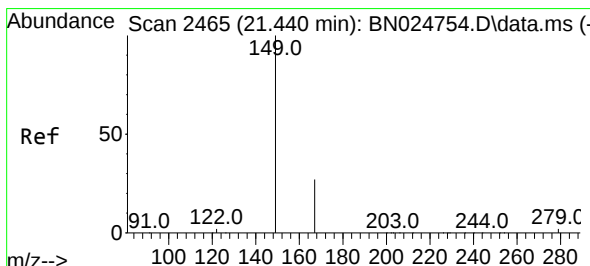
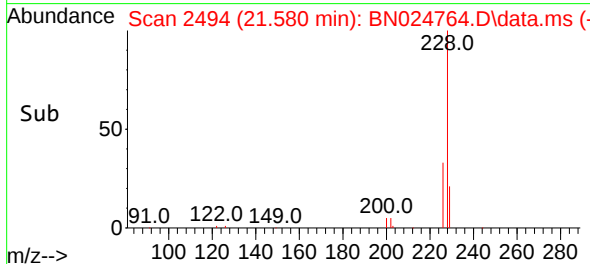
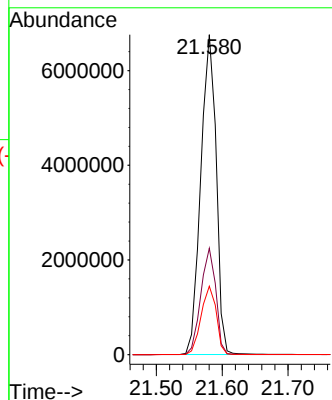
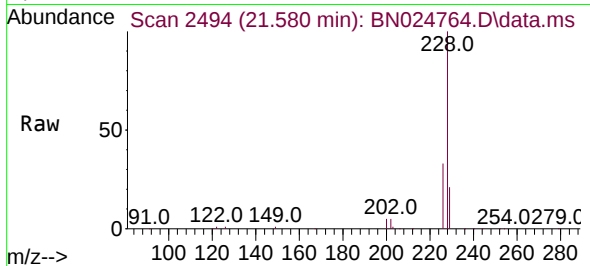




#33
Chrysene
Concen: 85.302 ng
RT: 21.580 min Scan# 2480
Delta R.T. 0.006 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

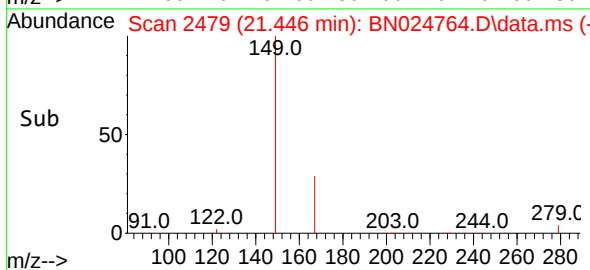
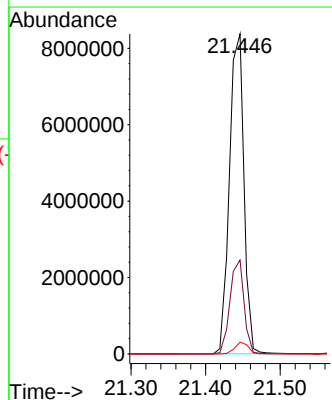
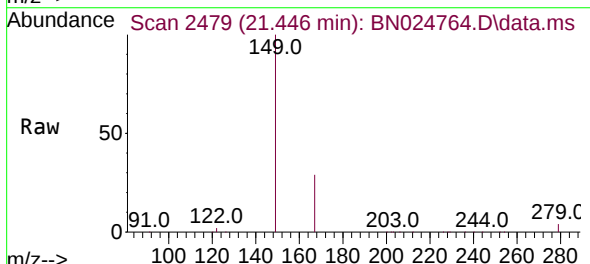
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

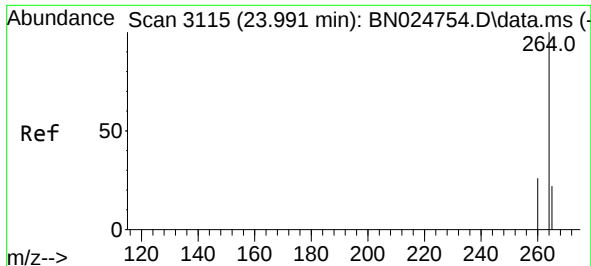
Tgt Ion:228 Resp:10970613
Ion Ratio Lower Upper
228 100
226 33.2 23.9 35.9
229 21.4 16.0 24.0



#34
Bis(2-ethylhexyl)phthalate
Concen: 171.654 ng
RT: 21.446 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion:149 Resp:11321752
Ion Ratio Lower Upper
149 100
167 28.5 21.4 32.2
279 3.4 2.6 4.0

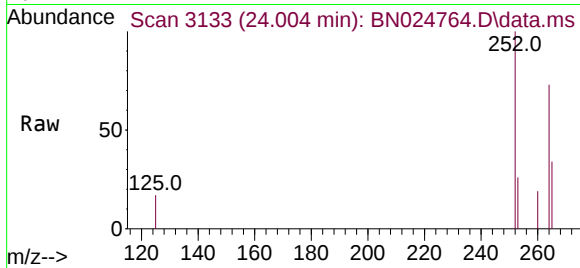




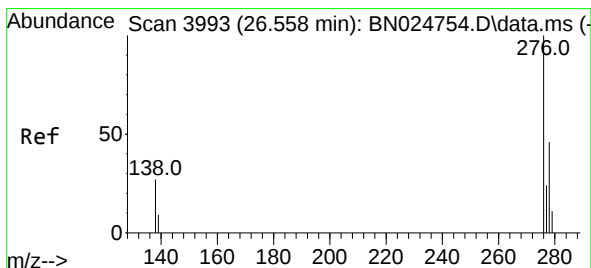
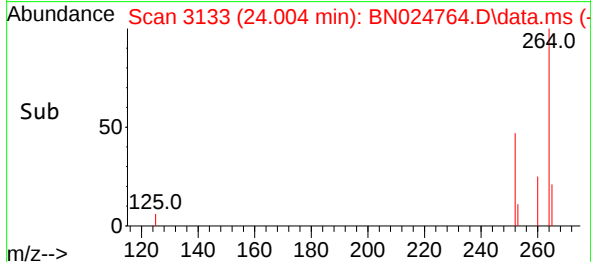
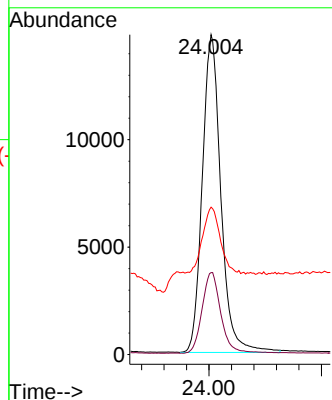
#35
Perylene-d12

Concen: 0.400 ng
RT: 24.004 min Scan# 31
Delta R.T. 0.012 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

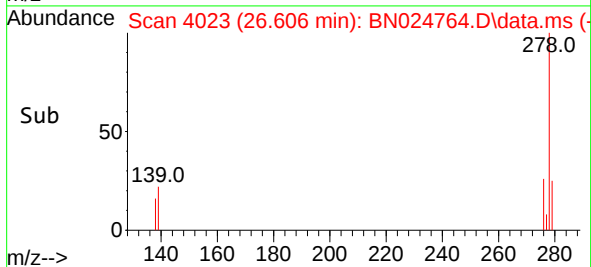
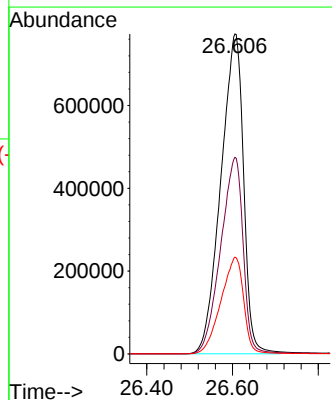
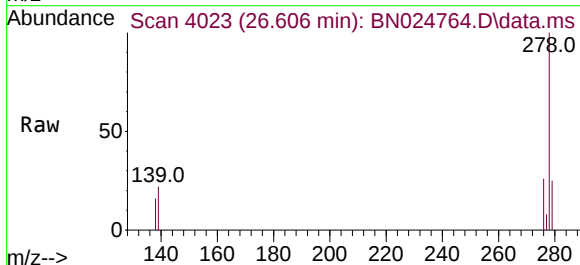


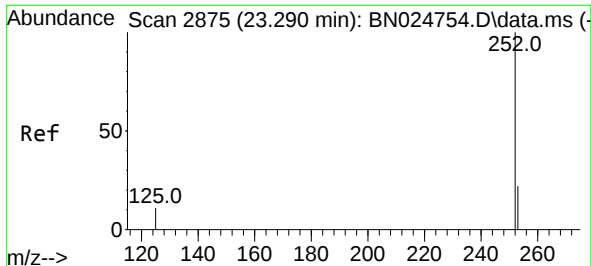
Tgt Ion:264 Resp: 33963
Ion Ratio Lower Upper
264 100
260 25.6 20.8 31.2
265 46.1 46.5 69.7#



#36
Indeno(1,2,3-cd)pyrene
Concen: 19.072 ng
RT: 26.606 min Scan# 4023
Delta R.T. 0.047 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion:276 Resp: 2839805
Ion Ratio Lower Upper
276 100
138 60.7 23.4 35.0#
277 30.3 19.8 29.8#

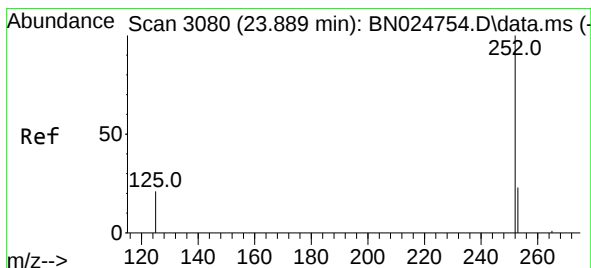
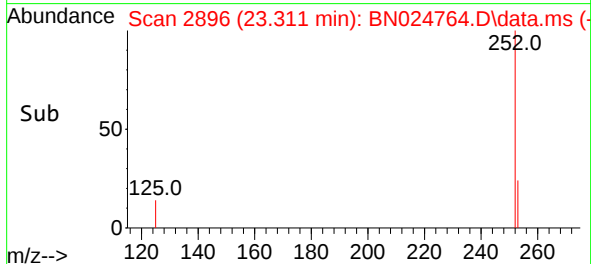
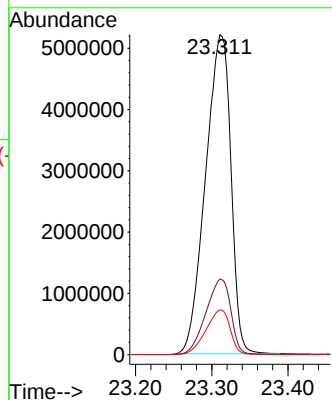
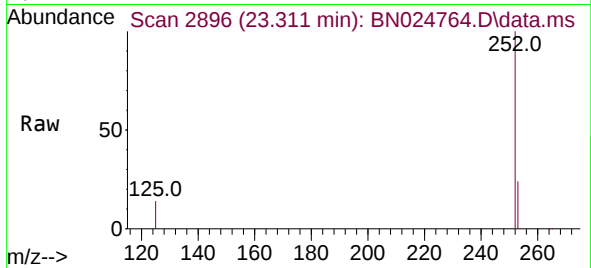




#38
Benzo(k)fluoranthene
Concen: 94.076 ng
RT: 23.311 min Scan# 2875
Delta R.T. 0.021 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

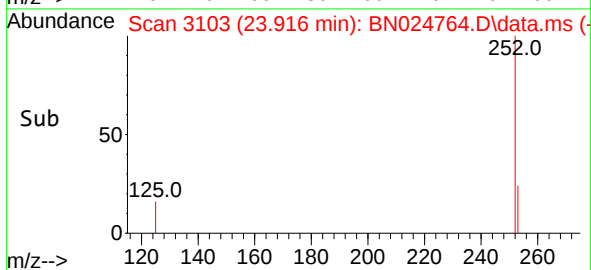
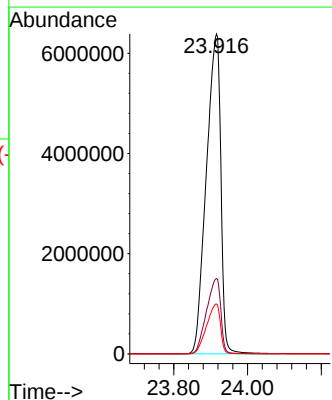
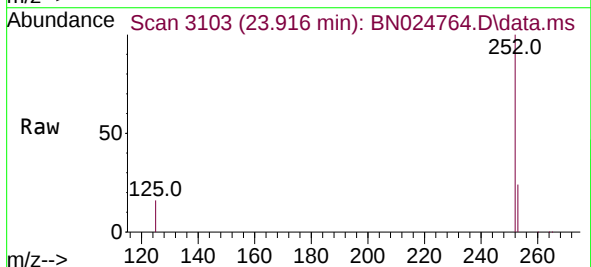
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

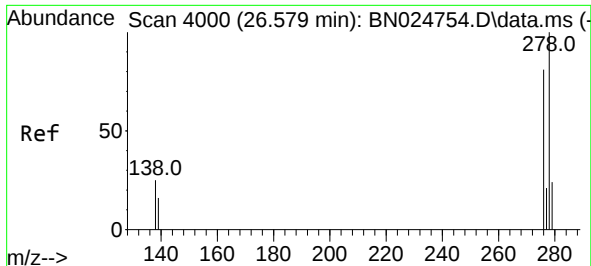
Tgt Ion:252 Resp:12010311
Ion Ratio Lower Upper
252 100
253 23.6 20.0 30.0
125 14.0 11.9 17.9



#39
Benzo(a)pyrene
Concen: 141.325 ng
RT: 23.916 min Scan# 3103
Delta R.T. 0.027 min
Lab File: BN024764.D
Acq: 05 Apr 2023 10:25

Tgt Ion:252 Resp:17409852
Ion Ratio Lower Upper
252 100
253 23.5 21.0 31.6
125 15.6 20.2 30.4#





#40

Dibenzo(a,h)anthracene

Concen: 96.677 ng

RT: 26.609 min Scan# 40

Delta R.T. 0.030 min

Lab File: BN024764.D

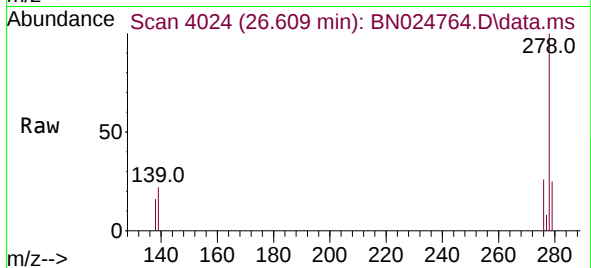
Acq: 05 Apr 2023 10:25

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP



Tgt Ion:278 Resp:11328819

Ion Ratio Lower Upper

278 100

139 22.1 17.1 25.7

279 24.9 20.7 31.1

