

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100722\
 Data File : BN022033.D
 Acq On : 07 Oct 2022 11:32
 Operator : CG/JU
 Sample : N4785-21DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

Quant Time: Oct 10 03:15:16 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)

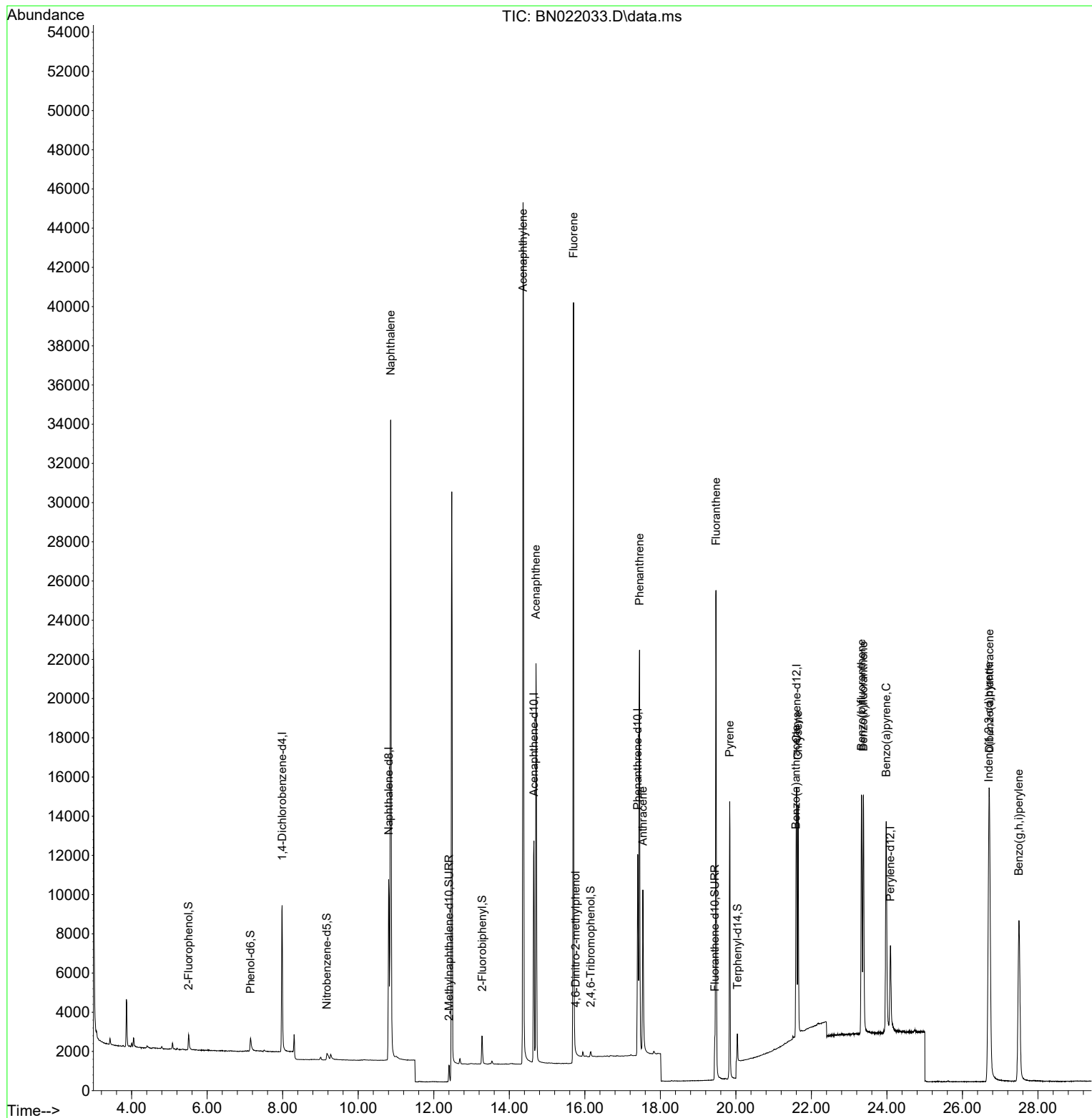
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	4279	0.400	ng	0.00
7) Naphthalene-d8	10.805	136	13200	0.400	ng	#-0.01
13) Acenaphthene-d10	14.653	164	6971	0.400	ng	0.00
19) Phenanthrene-d10	17.400	188	13999	0.400	ng	#-0.01
29) Chrysene-d12	21.609	240	9859	0.400	ng	0.00
35) Perylene-d12	24.093	264	6903	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.508	112	842	0.085	ng	0.00
5) Phenol-d6	7.148	99	1054	0.082	ng	0.00
8) Nitrobenzene-d5	9.172	82	526	0.050	ng	0.01
11) 2-Methylnaphthalene-d10	12.406	152	1242	0.051	ng	0.00
14) 2,4,6-Tribromophenol	16.158	330	192	0.072	ng	0.01
15) 2-Fluorobiphenyl	13.285	172	1575	0.052	ng	0.00
27) Fluoranthene-d10	19.445	212	2380	0.064	ng	0.00
31) Terphenyl-d14	20.041	244	1316	0.066	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.859	128	44718	1.122	ng	99
16) Acenaphthylene	14.364	152	54324	1.638	ng	100
17) Acenaphthene	14.707	154	10856	0.466	ng	99
18) Fluorene	15.701	166	23958	0.852	ng	100
20) 4,6-Dinitro-2-methylph...	15.761	198	3	0.193	ng	# 1
25) Phenanthrene	17.449	178	24397	0.507	ng	100
26) Anthracene	17.536	178	10342	0.268	ng	100
28) Fluoranthene	19.474	202	24072	0.467	ng	100
30) Pyrene	19.837	202	13216	0.305	ng	100
32) Benzo(a)anthracene	21.591	228	6277	0.169	ng	98
33) Chrysene	21.645	228	10361	0.252	ng	99
36) Indeno(1,2,3-cd)pyrene	26.695	276	21150	0.606	ng	99
37) Benzo(b)fluoranthene	23.327	252	16894	0.516	ng	99
38) Benzo(k)fluoranthene	23.377	252	16753	0.514	ng	97
39) Benzo(a)pyrene	23.982	252	18541	0.743	ng	91
40) Dibenzo(a,h)anthracene	26.715	278	18274	0.657	ng	99
41) Benzo(g,h,i)perylene	27.496	276	19071	0.635	ng	98

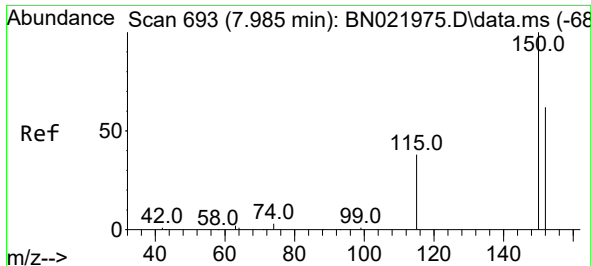
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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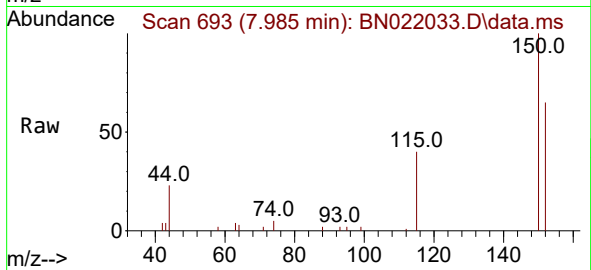
Quant Time: Oct 10 03:15:16 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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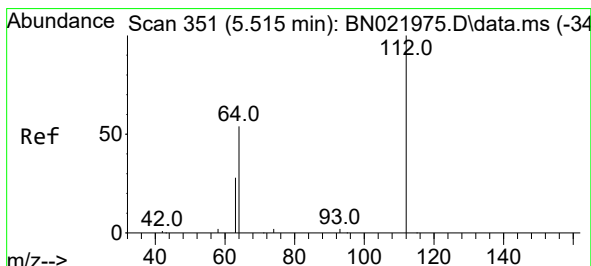
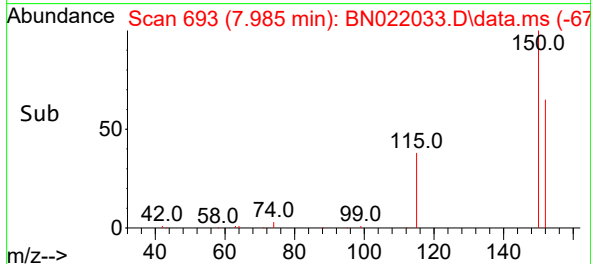
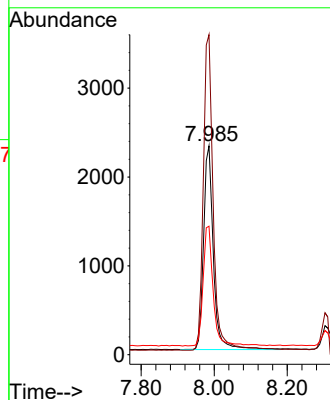


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.985 min Scan# 693
Delta R.T. 0.000 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

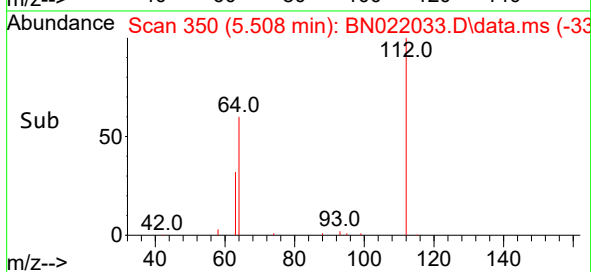
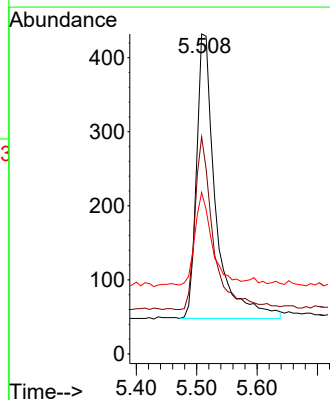
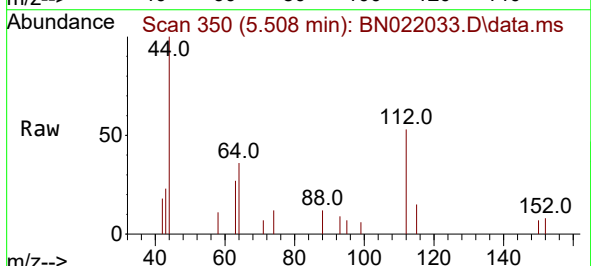


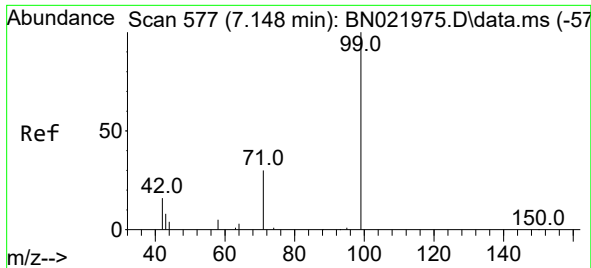
Tgt Ion:152 Resp: 4279
Ion Ratio Lower Upper
152 100
150 153.2 127.2 190.8
115 61.5 51.4 77.0



#4
2-Fluorophenol
Concen: 0.085 ng
RT: 5.508 min Scan# 350
Delta R.T. -0.007 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Tgt Ion:112 Resp: 842
Ion Ratio Lower Upper
112 100
64 58.7 46.9 70.3
63 29.2 24.6 37.0

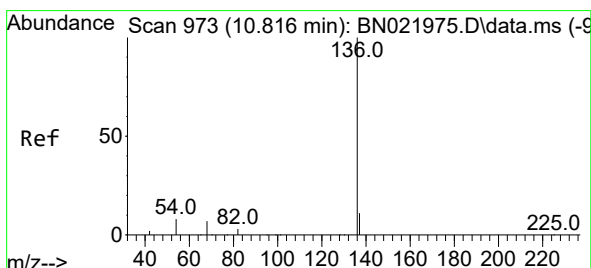
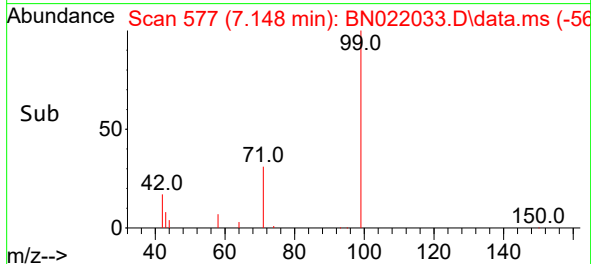
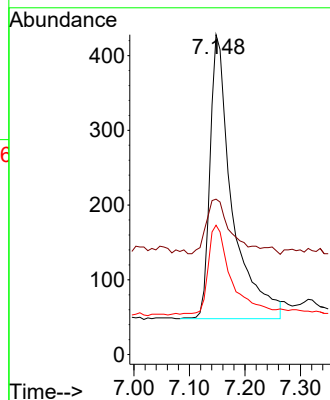
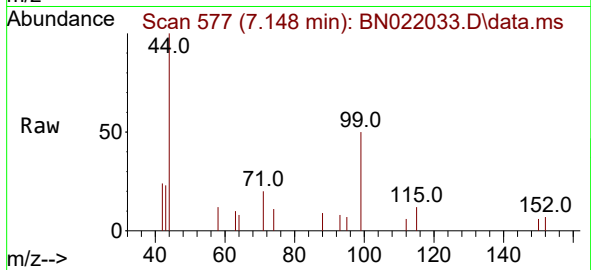




#5
Phenol-d6
Concen: 0.082 ng
RT: 7.148 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

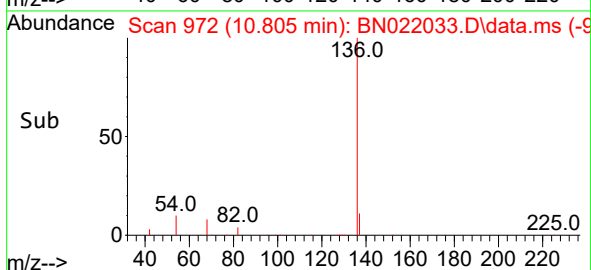
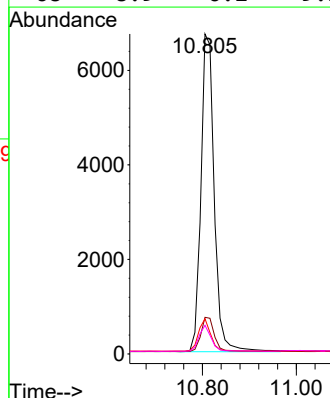
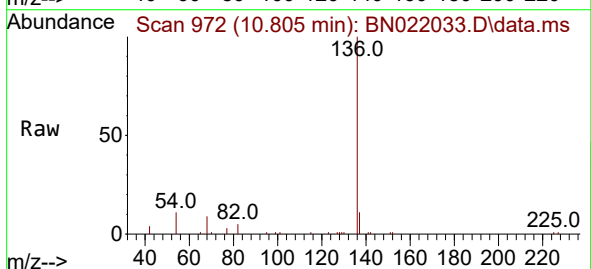
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

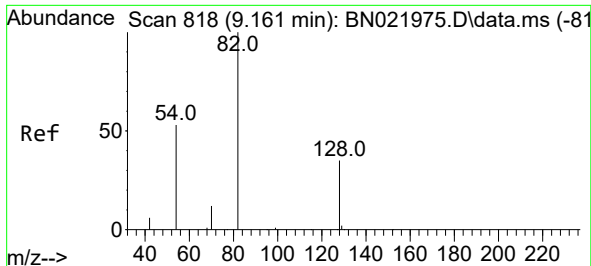
Tgt Ion: 99 Resp: 1054
Ion Ratio Lower Upper
99 100
42 22.8 15.9 23.9
71 33.4 25.6 38.4



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.805 min Scan# 972
Delta R.T. -0.011 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Tgt Ion: 136 Resp: 13200
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 11.0 7.1 10.7#
68 8.9 6.2 9.2

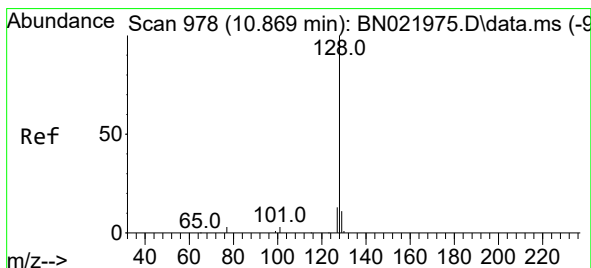
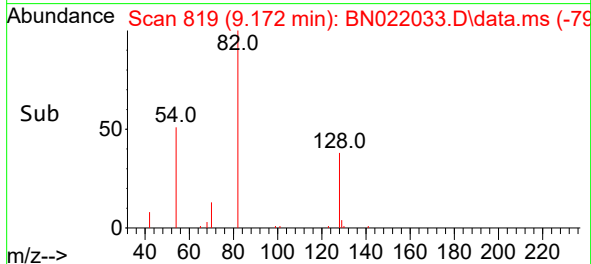
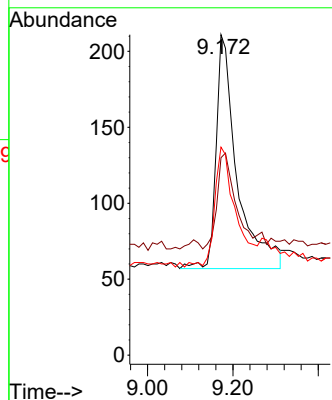
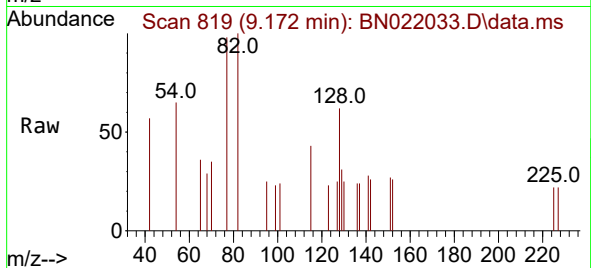




#8
Nitrobenzene-d5
Concen: 0.050 ng
RT: 9.172 min Scan# 818
Delta R.T. 0.011 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

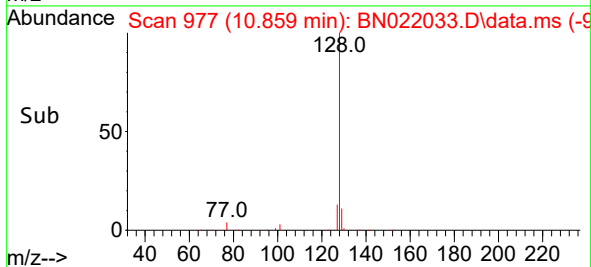
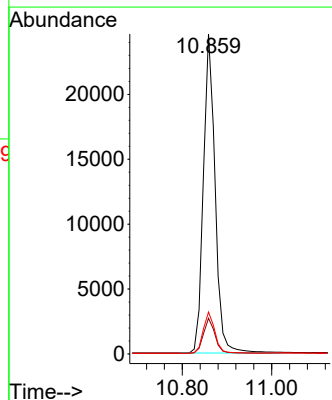
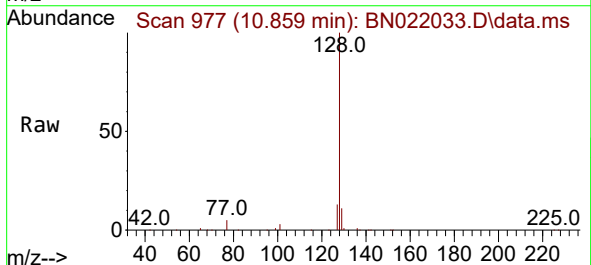
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

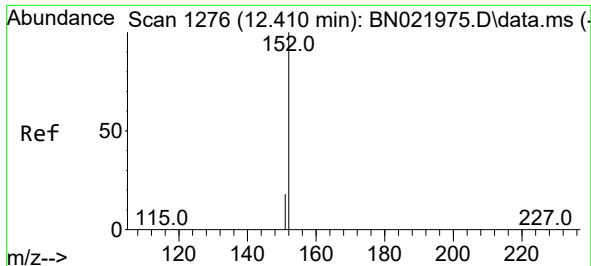
Tgt Ion: 82 Resp: 526
Ion Ratio Lower Upper
82 100
128 61.6 29.9 44.9#
54 64.9 43.5 65.3



#9
Naphthalene
Concen: 1.122 ng
RT: 10.859 min Scan# 977
Delta R.T. -0.011 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Tgt Ion: 128 Resp: 44718
Ion Ratio Lower Upper
128 100
129 11.2 9.3 13.9
127 13.1 10.6 16.0

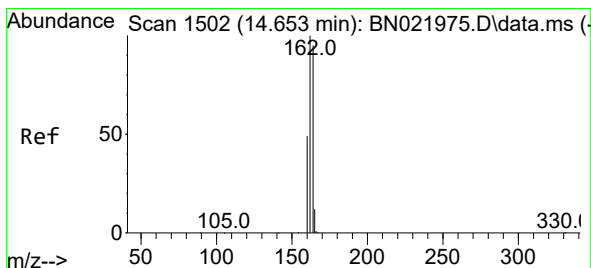
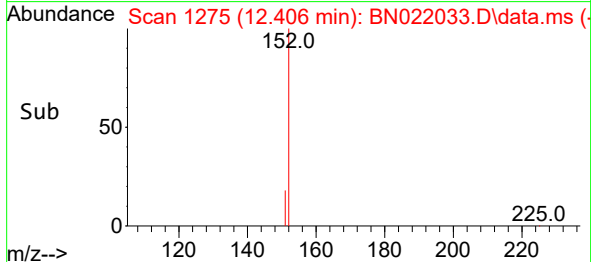
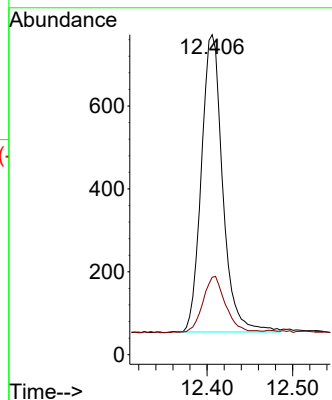
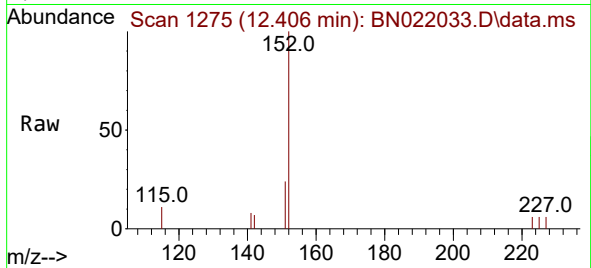




#11
2-Methylnaphthalene-d10
Concen: 0.051 ng
RT: 12.406 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

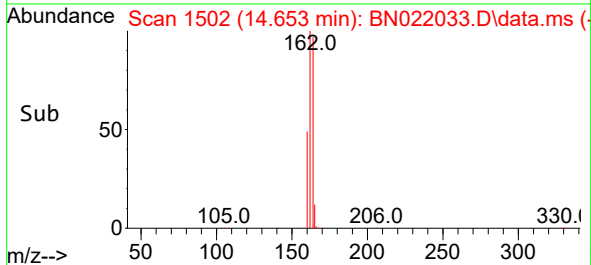
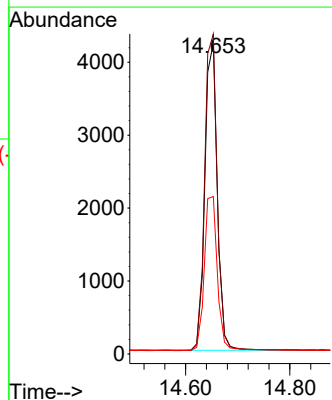
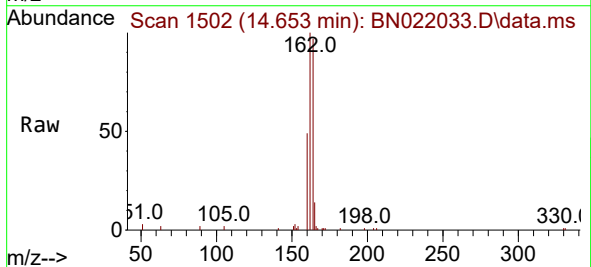
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

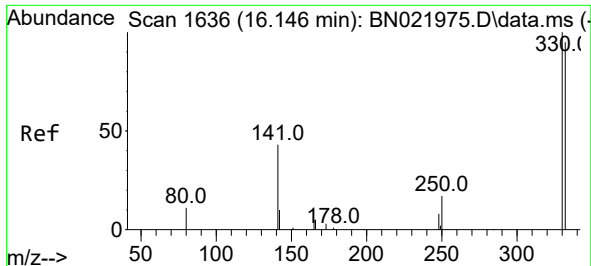
Tgt Ion:152 Resp: 1242
Ion Ratio Lower Upper
152 100
151 20.0 13.8 20.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.653 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Tgt Ion:164 Resp: 6971
Ion Ratio Lower Upper
164 100
162 102.8 84.3 126.5
160 50.6 41.7 62.5

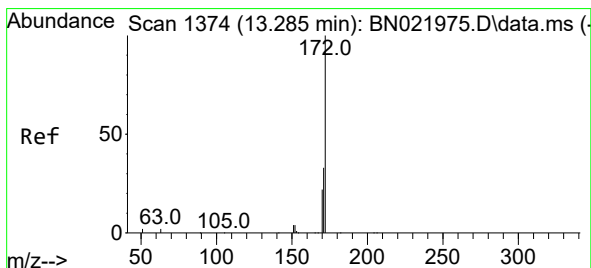
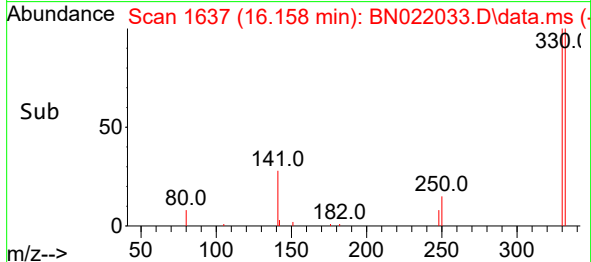
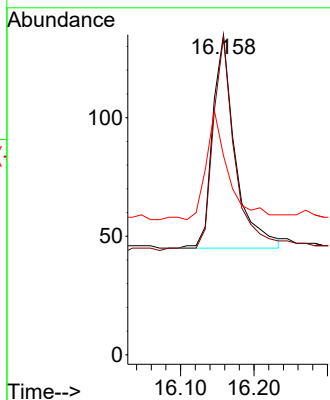
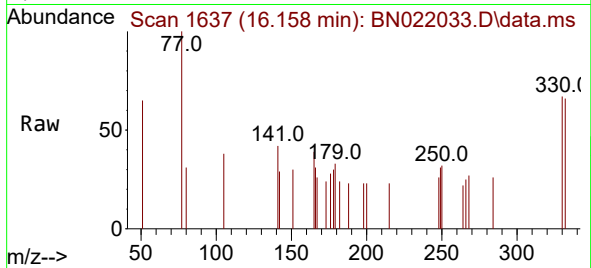




#14
2,4,6-Tribromophenol
Concen: 0.072 ng
RT: 16.158 min Scan# 1637
Delta R.T. 0.012 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

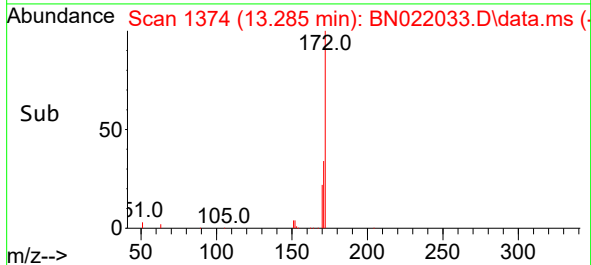
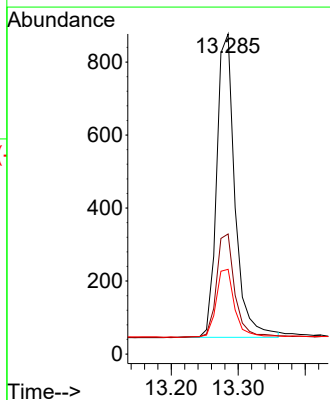
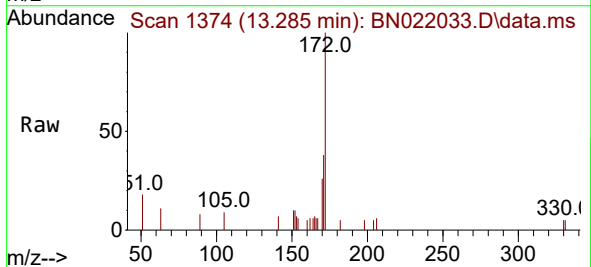
Instrument :
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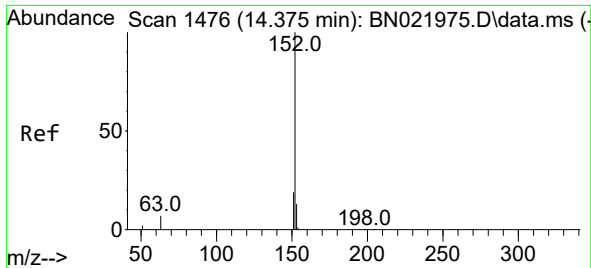
Tgt Ion:330 Resp: 192
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.4
141 51.0 35.3 52.9



#15
2-Fluorobiphenyl
Concen: 0.052 ng
RT: 13.285 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Tgt Ion:172 Resp: 1575
Ion Ratio Lower Upper
172 100
171 37.5 27.2 40.8
170 26.5 18.3 27.5

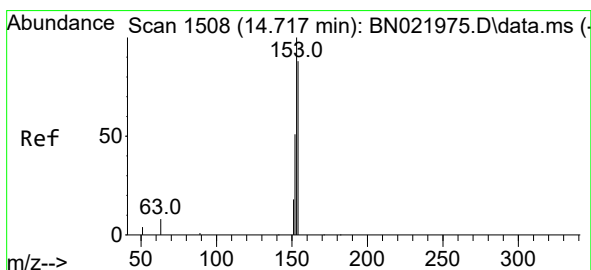
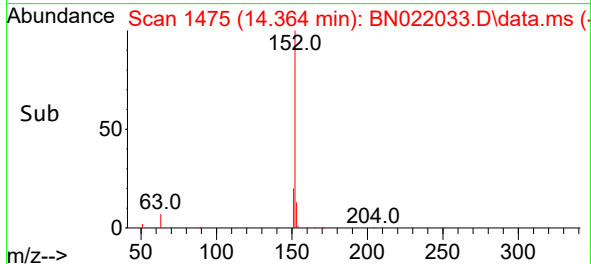
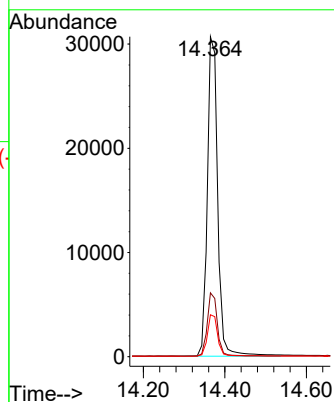
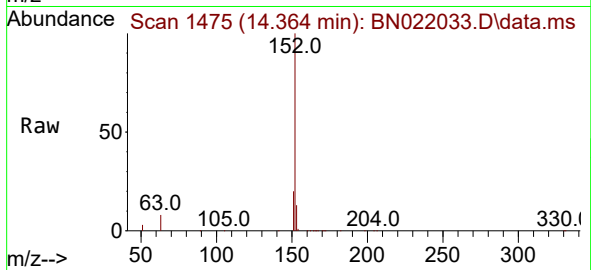




#16
Acenaphthylene
Concen: 1.638 ng
RT: 14.364 min Scan# 1476
Delta R.T. -0.011 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

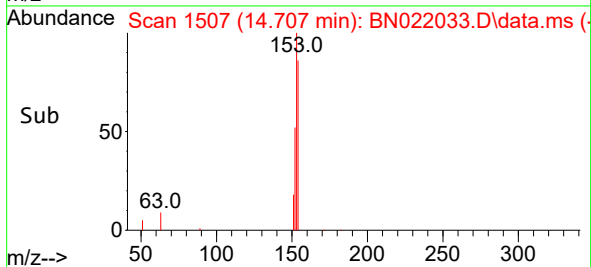
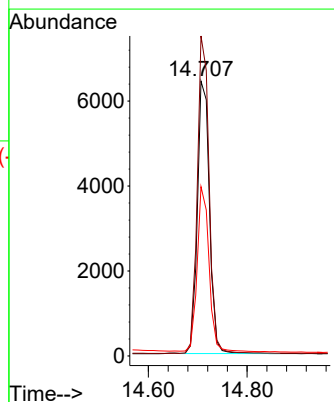
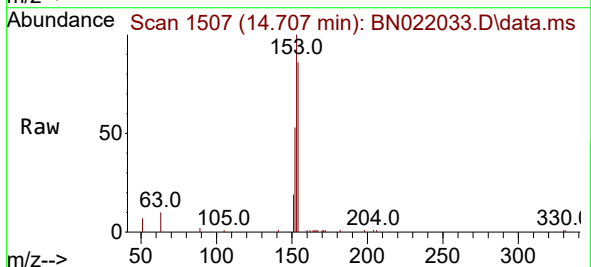
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RR-PAH-WPDL

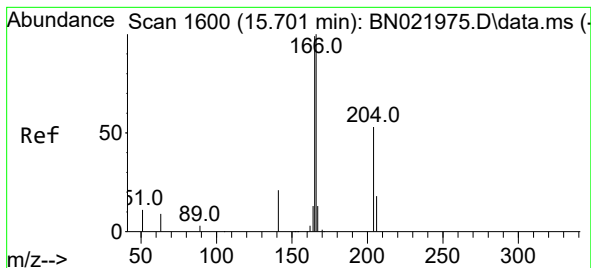
Tgt Ion:152 Resp: 54324
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 12.9 10.4 15.6



#17
Acenaphthene
Concen: 0.466 ng
RT: 14.707 min Scan# 1507
Delta R.T. -0.011 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Tgt Ion:154 Resp: 10856
Ion Ratio Lower Upper
154 100
153 114.6 92.1 138.1
152 60.2 47.8 71.6





#18

Fluorene

Concen: 0.852 ng

RT: 15.701 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN022033.D

Acq: 07 Oct 2022 11:32

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

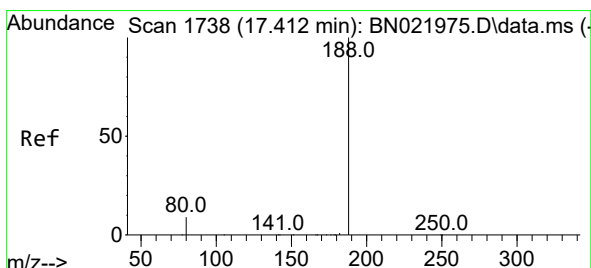
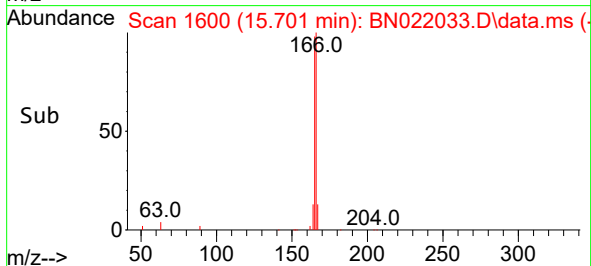
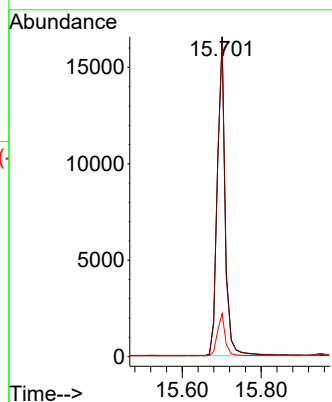
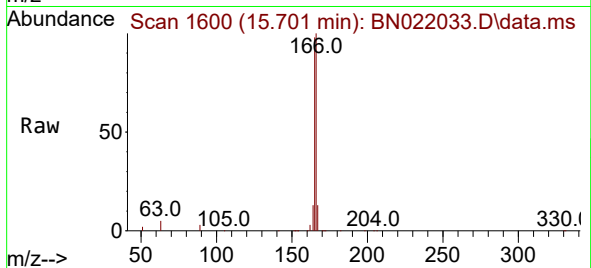
Tgt Ion:166 Resp: 23958

Ion Ratio Lower Upper

166 100

165 100.4 80.0 120.0

167 13.3 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: BN022033.D

Acq: 07 Oct 2022 11:32

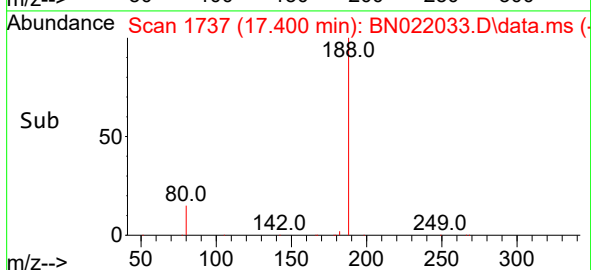
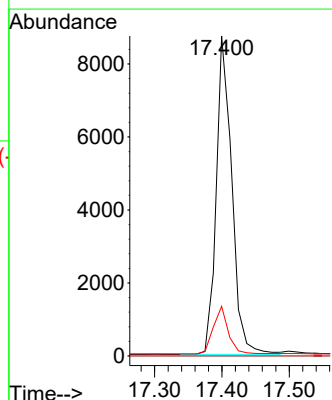
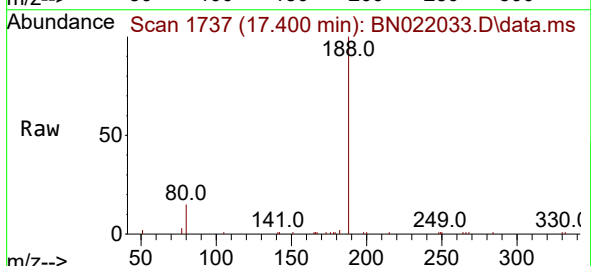
Tgt Ion:188 Resp: 13999

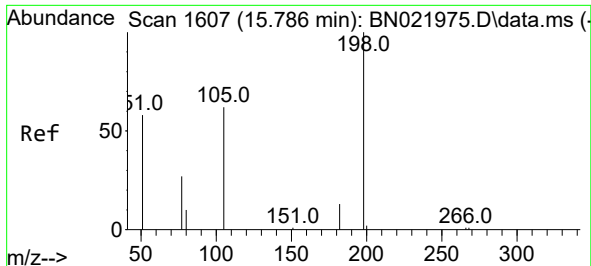
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.5 7.5 11.3#

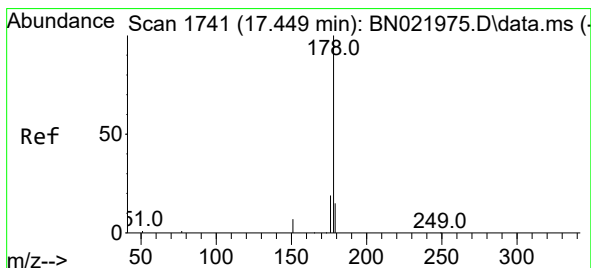
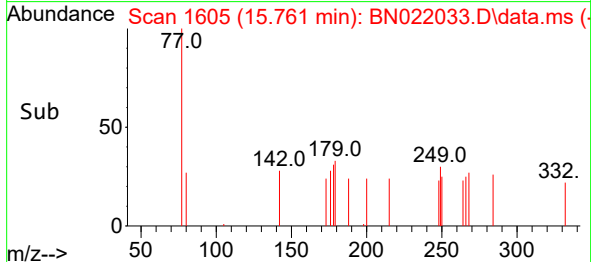
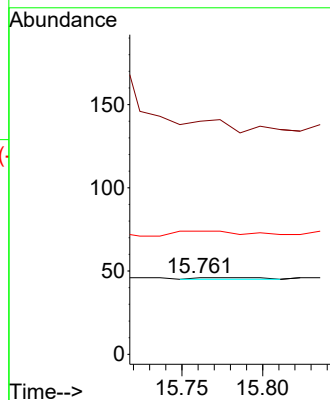
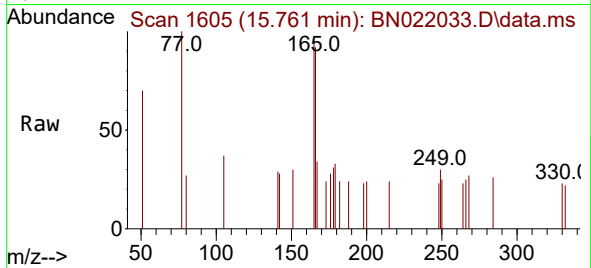




#20
4,6-Dinitro-2-methylphenol
Concen: 0.193 ng
RT: 15.761 min Scan# 1605
Delta R.T. -0.025 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

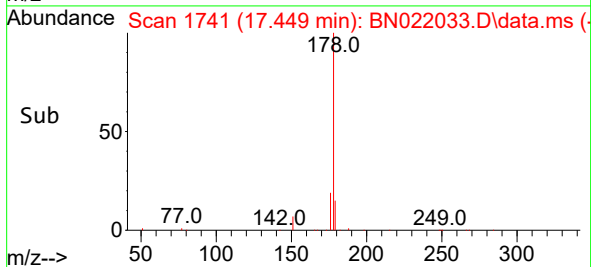
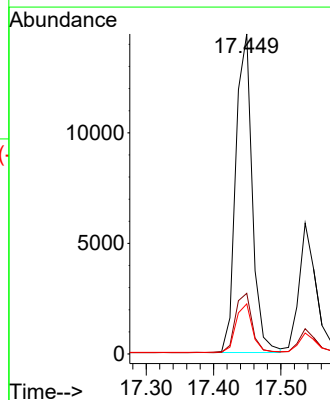
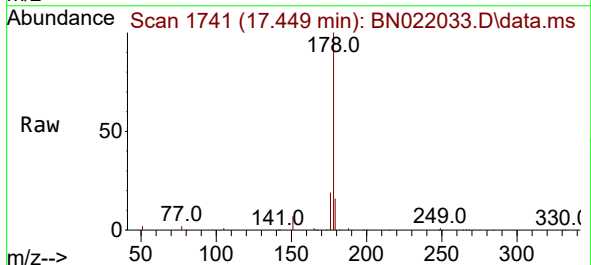
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

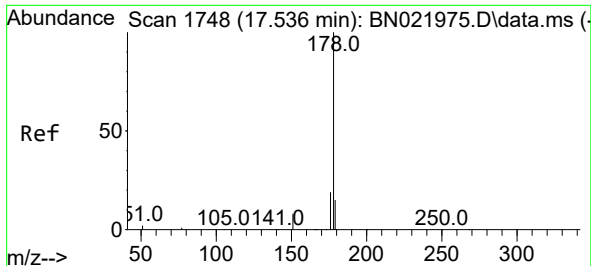
Tgt Ion:198 Resp: 3
Ion Ratio Lower Upper
198 100
51 304.3 96.6 144.8#
105 160.9 64.4 96.6#



#25
Phenanthrene
Concen: 0.507 ng
RT: 17.449 min Scan# 1741
Delta R.T. 0.000 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Tgt Ion:178 Resp: 24397
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.4 12.2 18.2

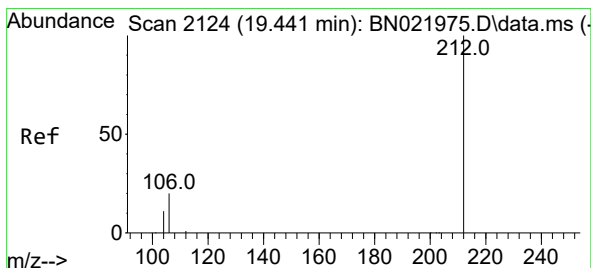
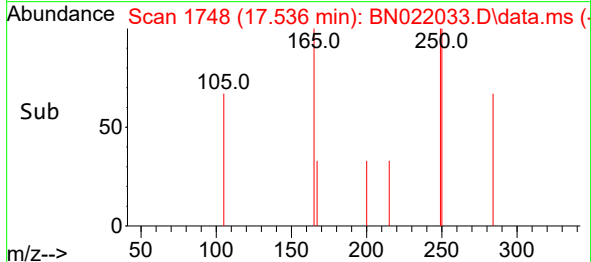
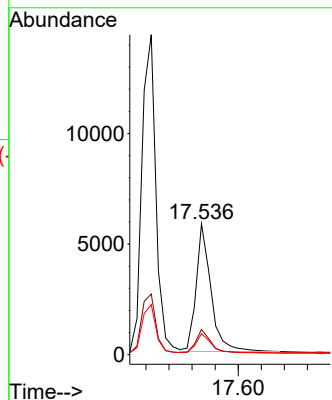
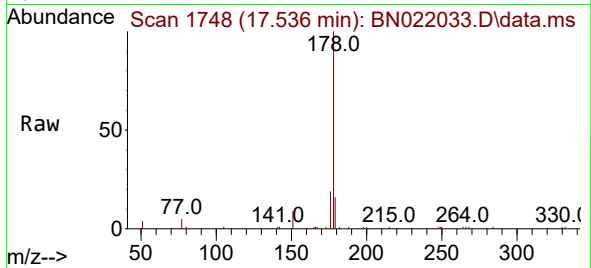




#26
 Anthracene
 Concen: 0.268 ng
 RT: 17.536 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN022033.D
 Acq: 07 Oct 2022 11:32

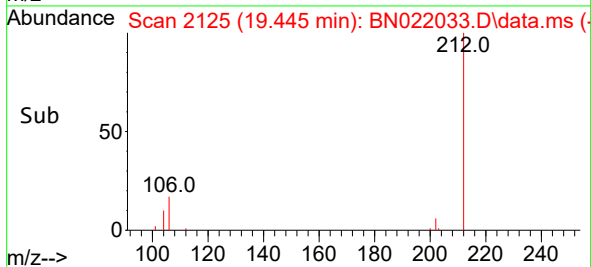
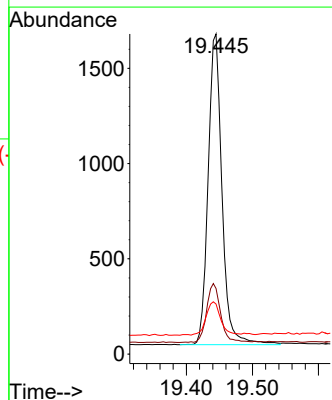
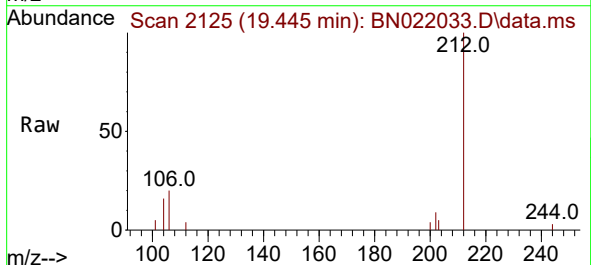
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

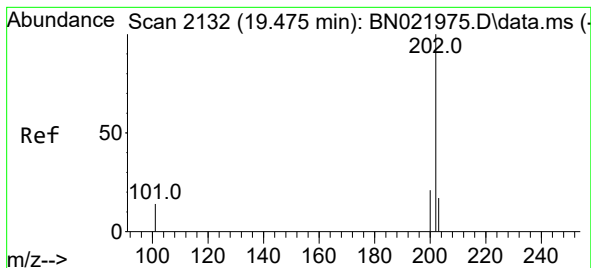
Tgt Ion:178 Resp: 10342
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.8 22.2
 179 15.0 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.064 ng
 RT: 19.445 min Scan# 2125
 Delta R.T. 0.004 min
 Lab File: BN022033.D
 Acq: 07 Oct 2022 11:32

Tgt Ion:212 Resp: 2380
 Ion Ratio Lower Upper
 212 100
 106 19.1 15.2 22.8
 104 11.1 8.6 13.0





#28

Fluoranthene

Concen: 0.467 ng

RT: 19.474 min Scan# 2132

Delta R.T. -0.000 min

Lab File: BN022033.D

Acq: 07 Oct 2022 11:32

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

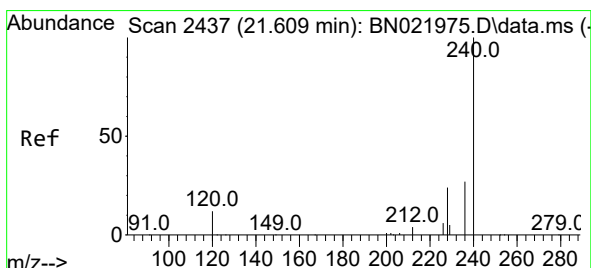
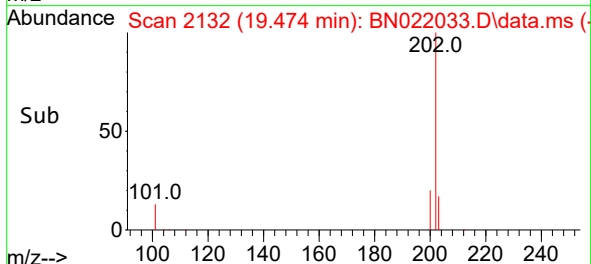
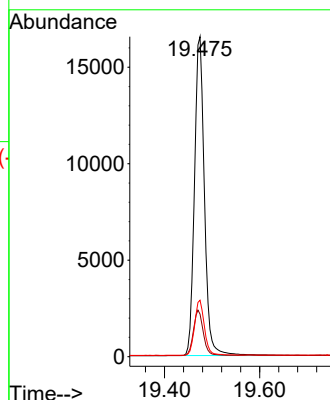
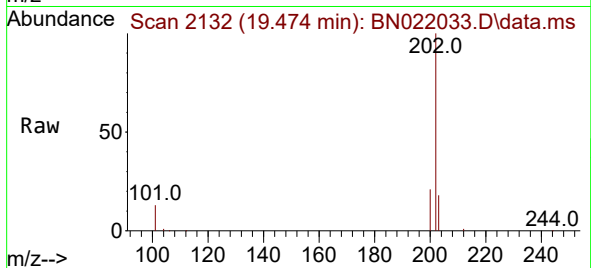
Tgt Ion:202 Resp: 24072

Ion Ratio Lower Upper

202 100

101 14.0 11.4 17.0

203 17.1 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: BN022033.D

Acq: 07 Oct 2022 11:32

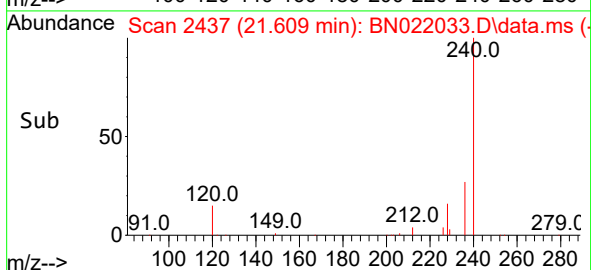
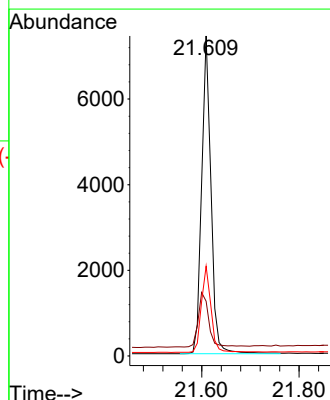
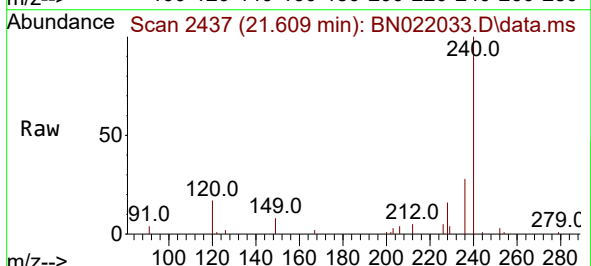
Tgt Ion:240 Resp: 9859

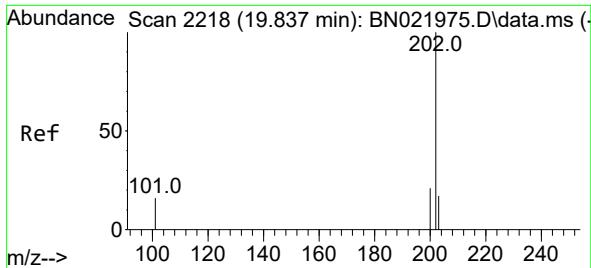
Ion Ratio Lower Upper

240 100

120 17.1 11.8 17.6

236 28.0 22.4 33.6

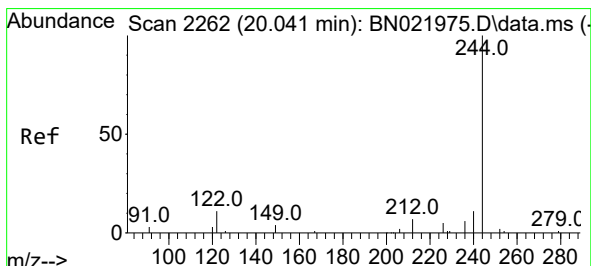
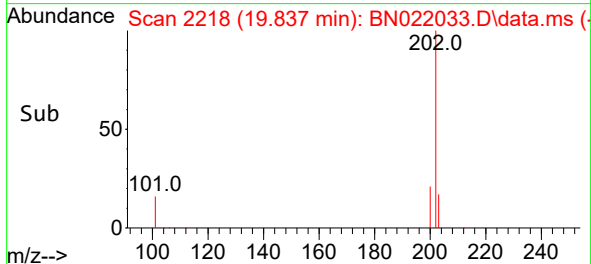
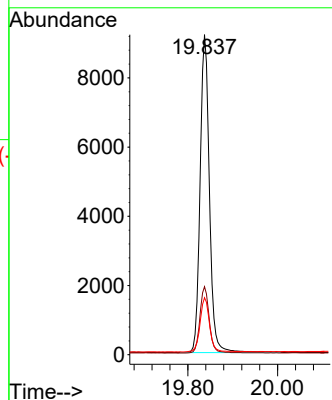
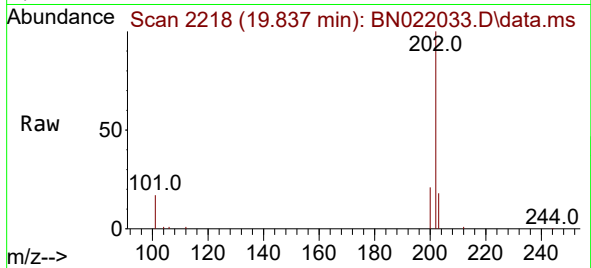




#30
Pyrene
Concen: 0.305 ng
RT: 19.837 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

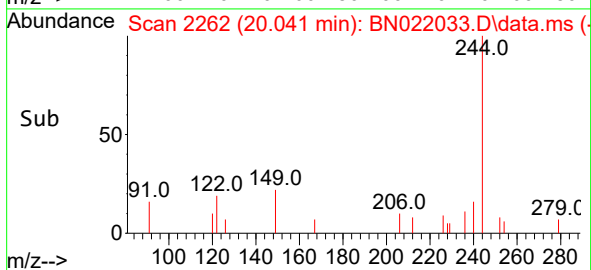
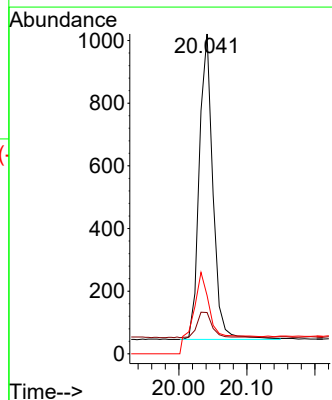
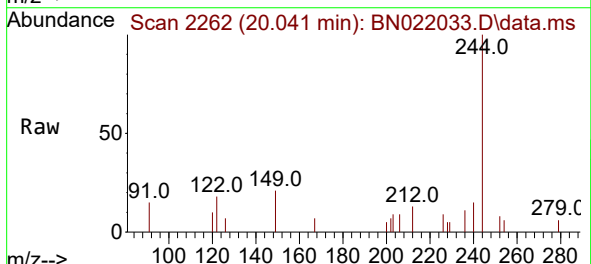
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

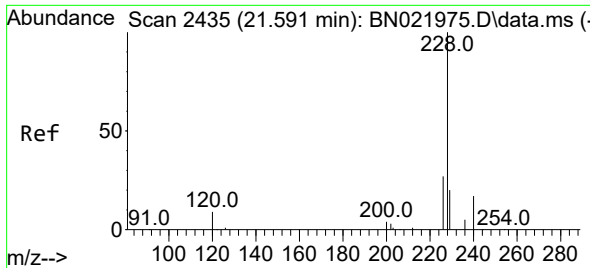
Tgt Ion:202 Resp: 13216
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 17.5 14.1 21.1



#31
Terphenyl-d14
Concen: 0.066 ng
RT: 20.041 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Tgt Ion:244 Resp: 1316
Ion Ratio Lower Upper
244 100
212 12.9 6.5 9.7#
122 18.2 9.1 13.7#

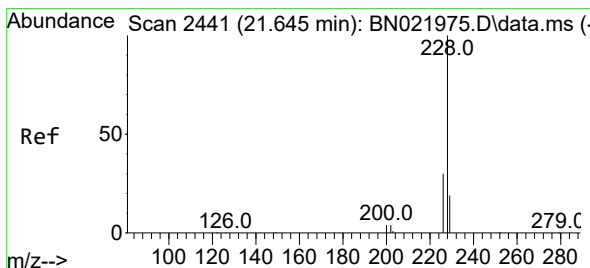
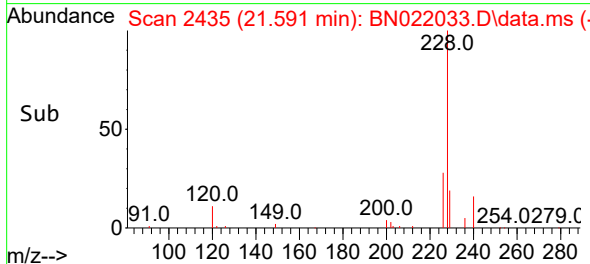
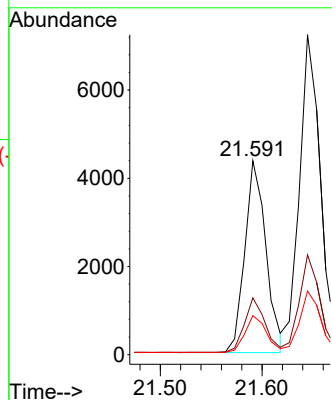
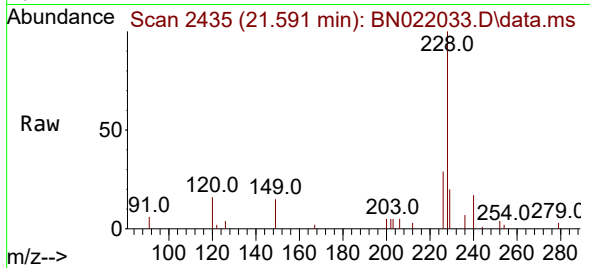




#32
Benzo(a)anthracene
Concen: 0.169 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

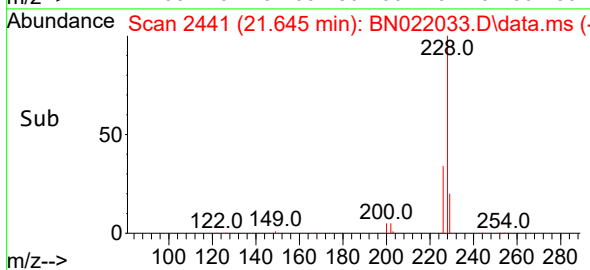
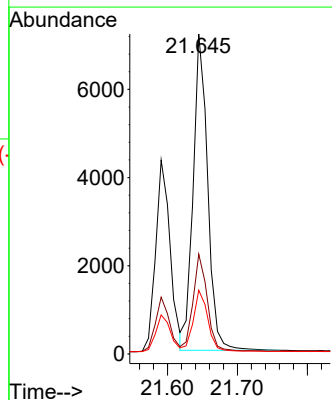
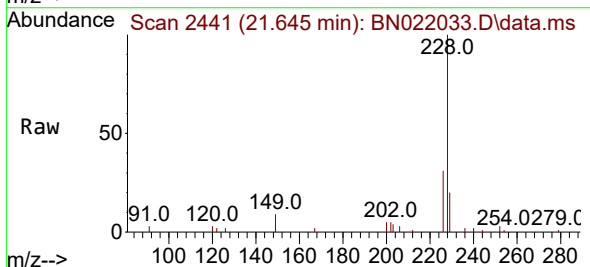
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

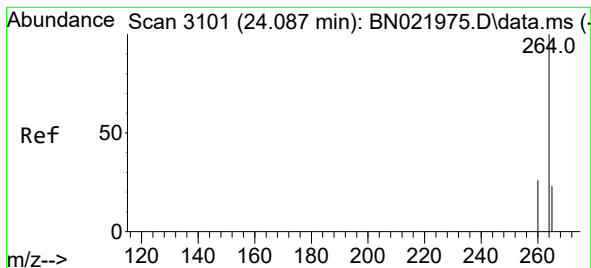
Tgt Ion:228 Resp: 6277
Ion Ratio Lower Upper
228 100
226 29.3 22.2 33.4
229 20.2 16.2 24.2



#33
Chrysene
Concen: 0.252 ng
RT: 21.645 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Tgt Ion:228 Resp: 10361
Ion Ratio Lower Upper
228 100
226 31.2 24.2 36.2
229 19.9 15.8 23.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.093 min Scan# 3101

Delta R.T. 0.006 min

Lab File: BN022033.D

Acq: 07 Oct 2022 11:32

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

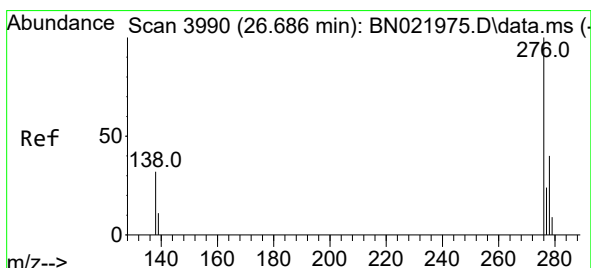
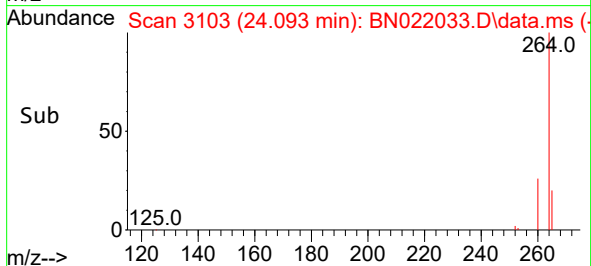
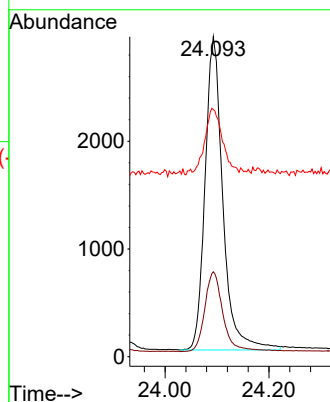
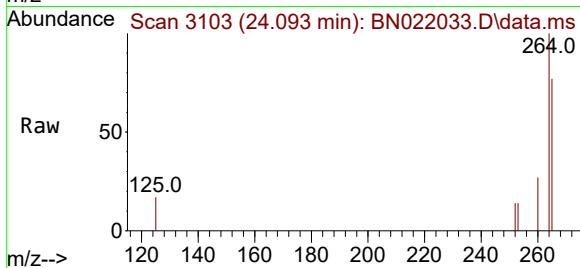
Tgt Ion:264 Resp: 6903

Ion Ratio Lower Upper

264 100

260 26.6 21.3 31.9

265 77.2 63.0 94.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.606 ng

RT: 26.695 min Scan# 3993

Delta R.T. 0.009 min

Lab File: BN022033.D

Acq: 07 Oct 2022 11:32

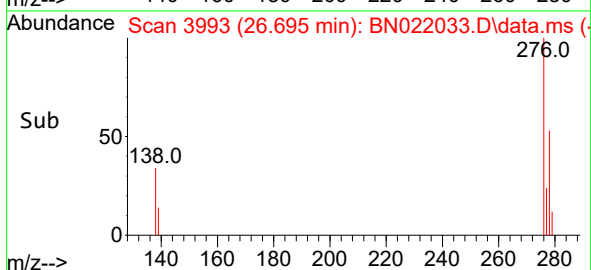
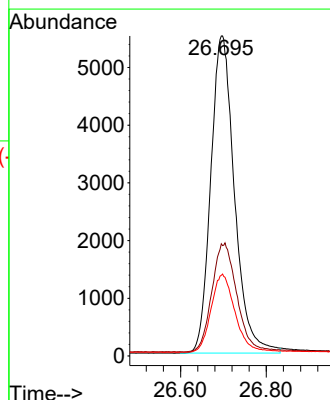
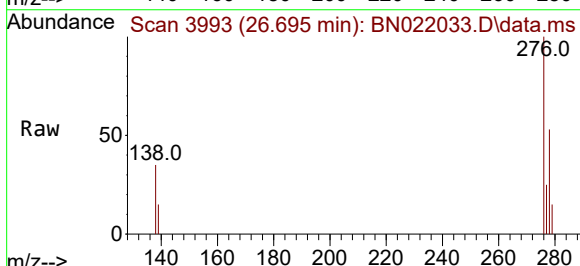
Tgt Ion:276 Resp: 21150

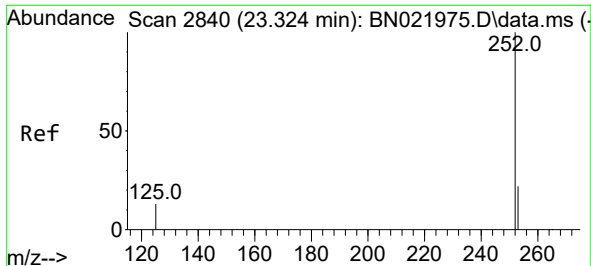
Ion Ratio Lower Upper

276 100

138 36.2 28.0 42.0

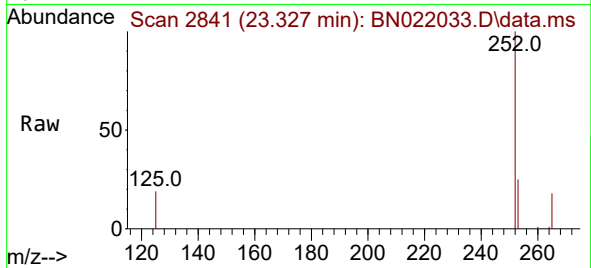
277 24.9 19.8 29.8



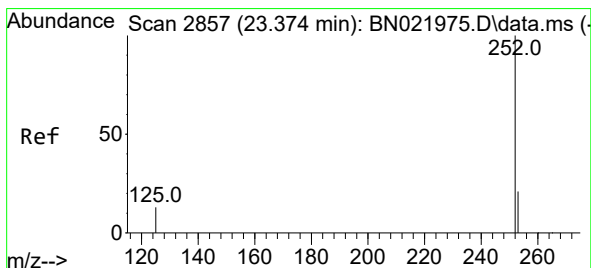
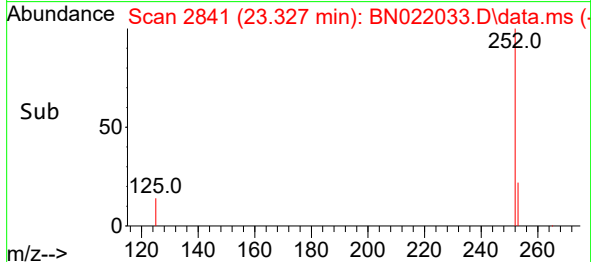
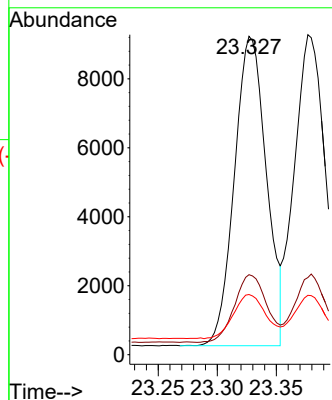


#37
Benzo(b)fluoranthene
Concen: 0.516 ng
RT: 23.327 min Scan# 2841
Delta R.T. 0.003 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

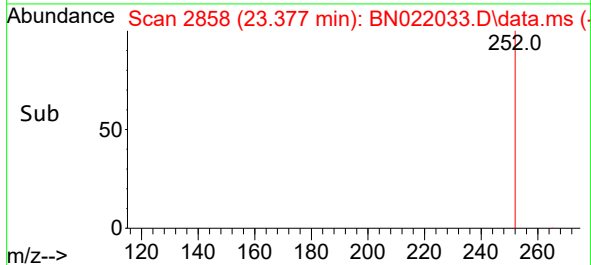
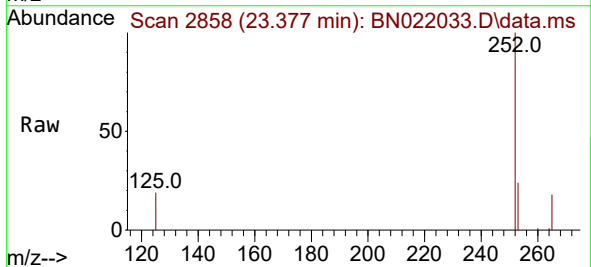
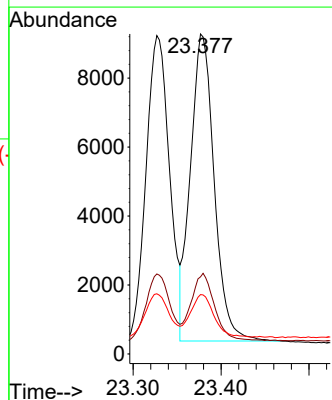


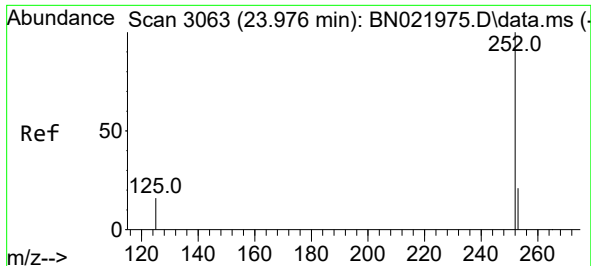
Tgt Ion:252 Resp: 16894
Ion Ratio Lower Upper
252 100
253 25.1 20.6 31.0
125 18.9 15.6 23.4



#38
Benzo(k)fluoranthene
Concen: 0.514 ng
RT: 23.377 min Scan# 2858
Delta R.T. 0.003 min
Lab File: BN022033.D
Acq: 07 Oct 2022 11:32

Tgt Ion:252 Resp: 16753
Ion Ratio Lower Upper
252 100
253 24.1 20.4 30.6
125 18.6 15.8 23.6





#39

Benzo(a)pyrene

Concen: 0.743 ng

RT: 23.982 min Scan# 3063

Delta R.T. 0.006 min

Lab File: BN022033.D

Acq: 07 Oct 2022 11:32

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

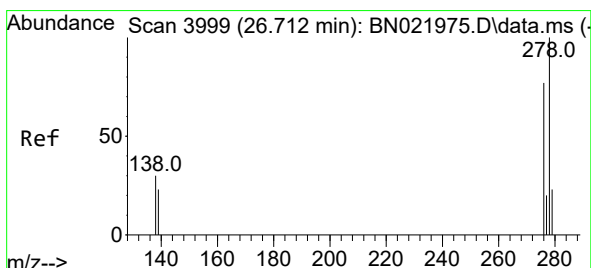
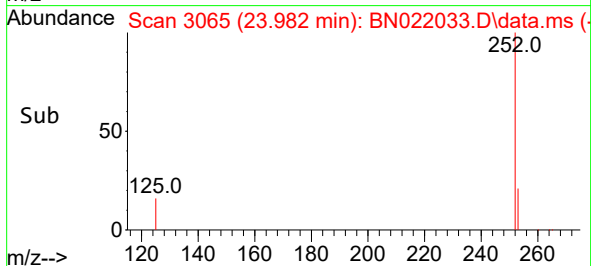
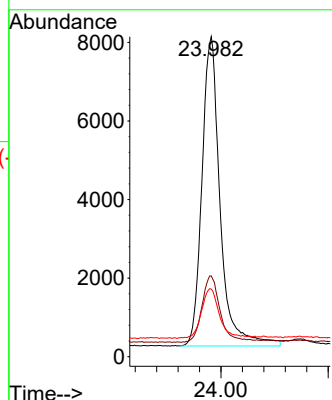
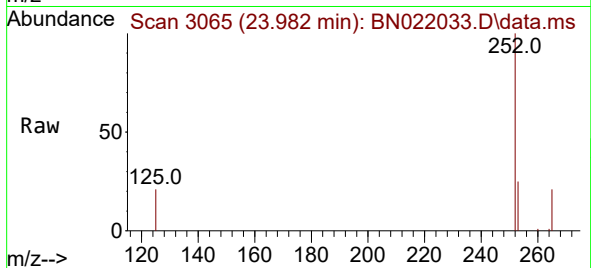
Tgt Ion:252 Resp: 18541

Ion Ratio Lower Upper

252 100

253 25.2 23.2 34.8

125 21.1 21.1 31.7



#40

Dibenzo(a,h)anthracene

Concen: 0.657 ng

RT: 26.715 min Scan# 4000

Delta R.T. 0.003 min

Lab File: BN022033.D

Acq: 07 Oct 2022 11:32

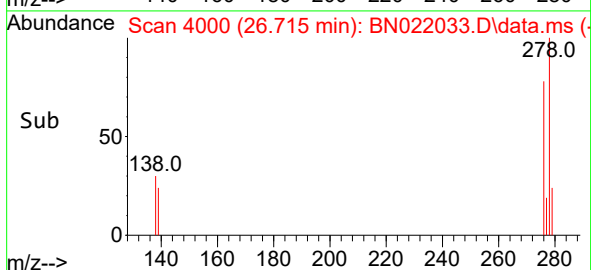
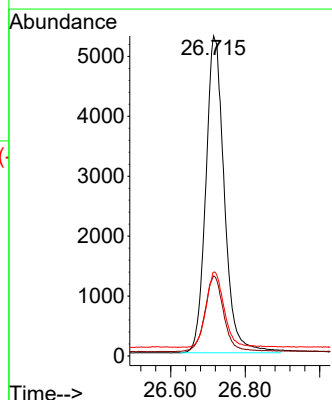
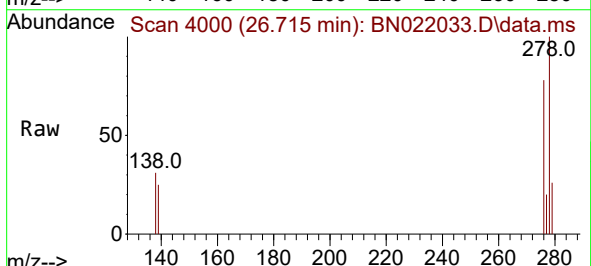
Tgt Ion:278 Resp: 18274

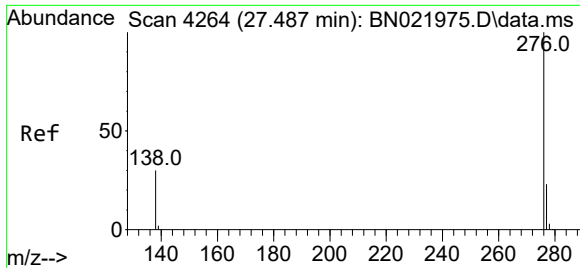
Ion Ratio Lower Upper

278 100

139 25.0 19.9 29.9

279 26.2 21.9 32.9





#41

Benzo(g,h,i)perylene

Concen: 0.635 ng

RT: 27.496 min Scan# 41

Delta R.T. 0.009 min

Lab File: BN022033.D

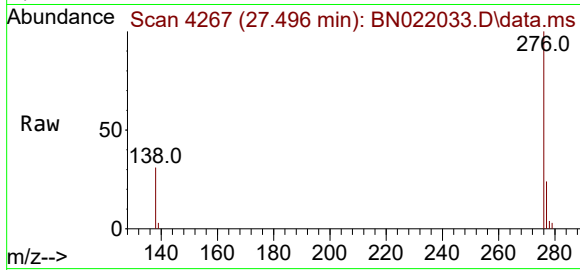
Acq: 07 Oct 2022 11:32

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL



Tgt Ion:276 Resp: 19071

Ion Ratio Lower Upper

276 100

277 23.8 20.0 30.0

138 31.0 25.2 37.8

