

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028197.D
 Acq On : 10 Oct 2023 15:01
 Operator : MA/JU
 Sample : 04657-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 U-1(0-2IN)

Quant Time: Oct 10 15:38:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

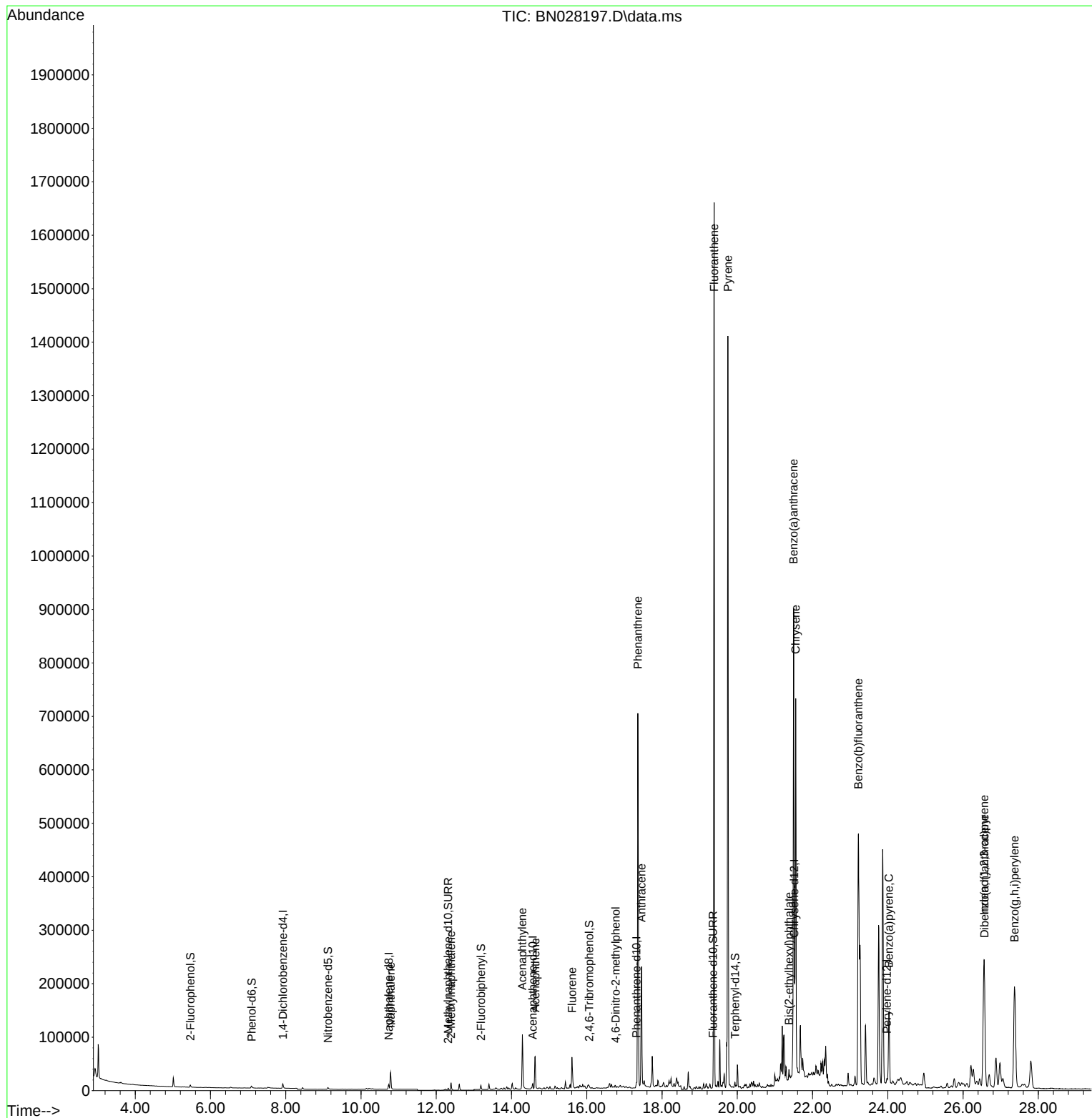
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	4179	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	12446	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	6479	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	12982	0.400	ng	0.00
29) Chrysene-d12	21.515	240	13767	0.400	ng	0.00
35) Perylene-d12	23.975	264	15911	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	3997	0.321	ng	0.00
5) Phenol-d6	7.091	99	4737	0.301	ng	0.00
8) Nitrobenzene-d5	9.123	82	3606	0.340	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	5328	0.289	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	798	0.269	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	7312	0.313	ng	0.00
27) Fluoranthene-d10	19.351	212	9477	0.291	ng	0.00
31) Terphenyl-d14	19.941	244	8546	0.266	ng	0.00
Target Compounds						
9) Naphthalene	10.789	128	44955	1.398	ng	99
12) 2-Methylnaphthalene	12.393	142	9841	0.437	ng	97
16) Acenaphthylene	14.288	152	126927	4.422	ng	100
17) Acenaphthene	14.630	154	35600	1.946	ng	99
18) Fluorene	15.606	166	51527	2.168	ng	92
20) 4,6-Dinitro-2-methylph...	16.773	198	72	0.417	ng	75
25) Phenanthrene	17.356	178	708376	20.240	ng	100
26) Anthracene	17.455	178	239637	7.244	ng	96
28) Fluoranthene	19.384	202	1404273	34.766	ng	99
30) Pyrene	19.751	202	1280273	25.361	ng	99
32) Benzo(a)anthracene	21.498	228	784571	16.748	ng	100
33) Chrysene	21.551	228	614471	13.611	ng	98
34) Bis(2-ethylhexyl)phtha...	21.372	149	15826	0.514	ng	100
36) Indeno(1,2,3-cd)pyrene	26.560	276	442427	8.267	ng	97
37) Benzo(b)fluoranthene	23.218	252	833278	16.216	ng	# 89
39) Benzo(a)pyrene	24.031	252	171115	3.522	ng	93
40) Dibenzo(a,h)anthracene	26.572	278	113716	2.597	ng	97
41) Benzo(g,h,i)perylene	27.367	276	437676	9.739	ng	95

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

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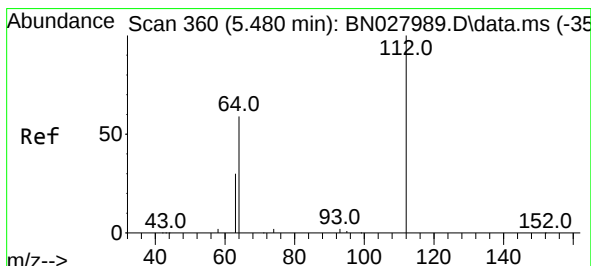
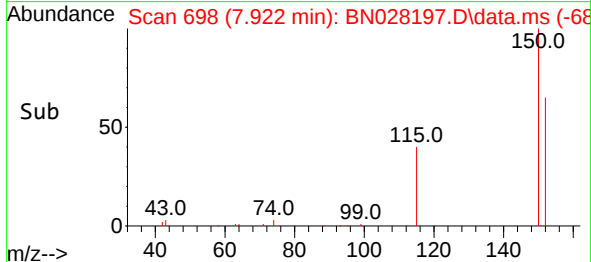
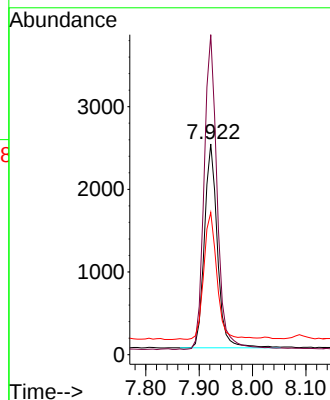
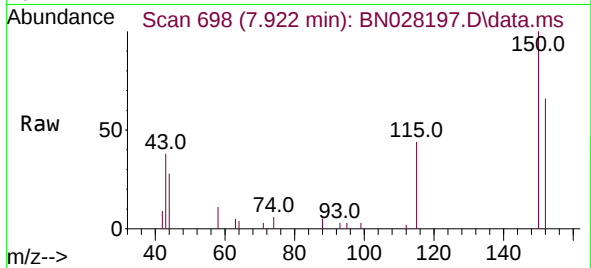




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.922 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN028197.D
 Acq: 10 Oct 2023 15:01

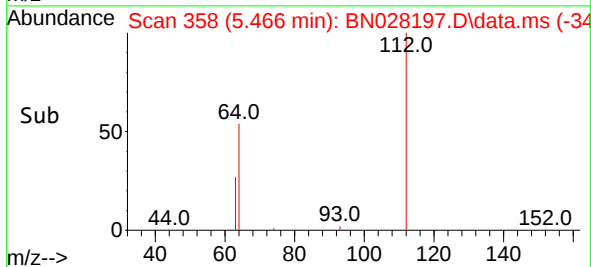
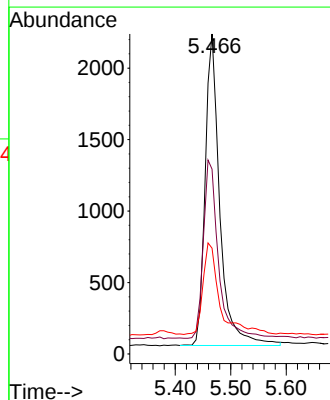
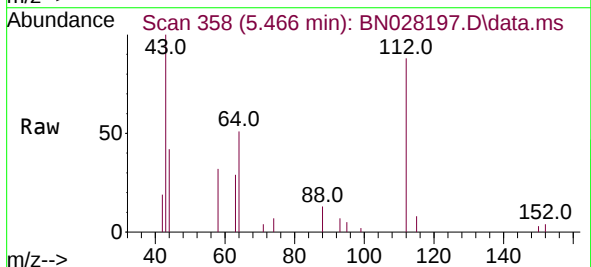
Instrument :
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 ClientSampleId :
 U-1(0-2IN)

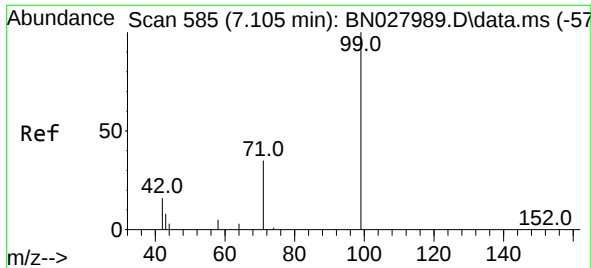
Tgt Ion:152 Resp: 4179
 Ion Ratio Lower Upper
 152 100
 150 151.9 125.6 188.4
 115 67.5 54.8 82.2



#4
 2-Fluorophenol
 Concen: 0.321 ng
 RT: 5.466 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: BN028197.D
 Acq: 10 Oct 2023 15:01

Tgt Ion:112 Resp: 3997
 Ion Ratio Lower Upper
 112 100
 64 59.3 45.0 67.6
 63 33.4 23.4 35.0

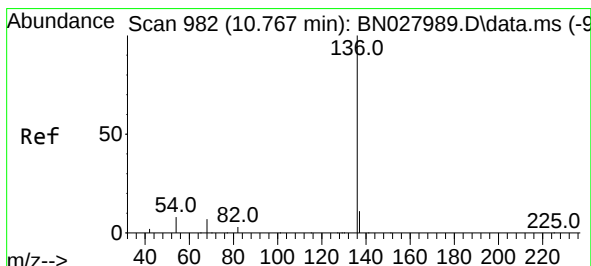
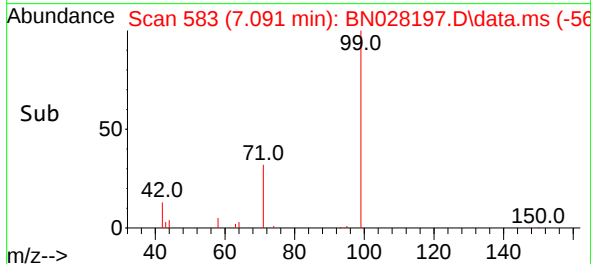
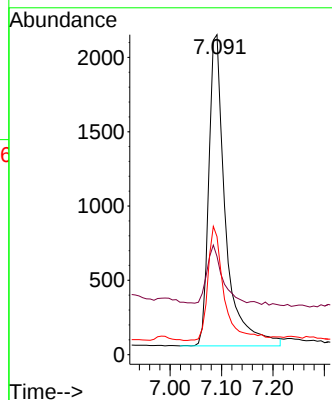
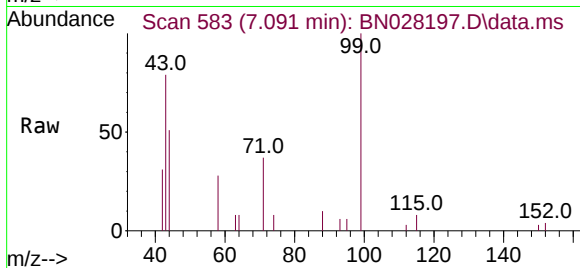




#5
Phenol-d6
Concen: 0.301 ng
RT: 7.091 min Scan# 583
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

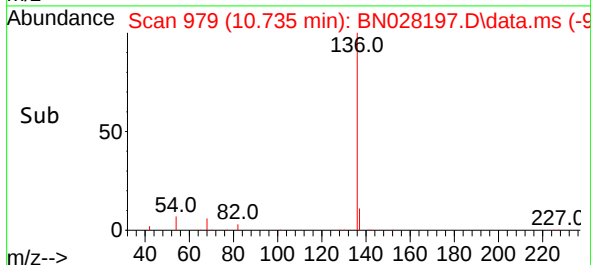
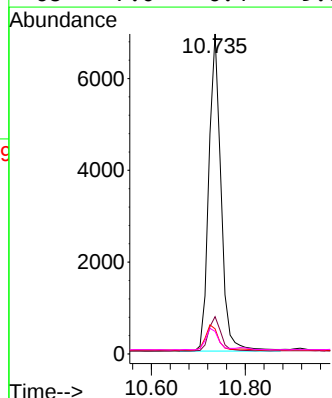
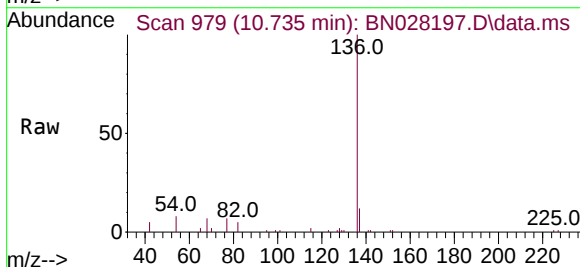
Instrument :
BNA_N
ClientSampleId :
U-1(0-2IN)

Tgt Ion:	99	Resp:	4737
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.6	22.0
71	35.5	28.3	42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:	136	Resp:	12446
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.0
54	7.8	7.0	10.6
68	7.0	6.4	9.6

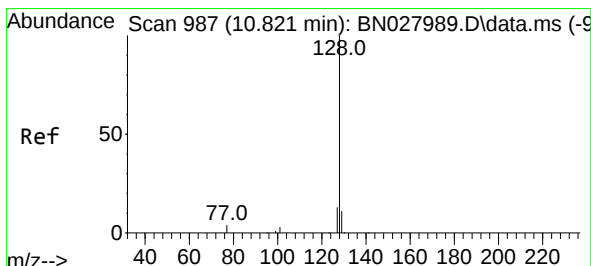
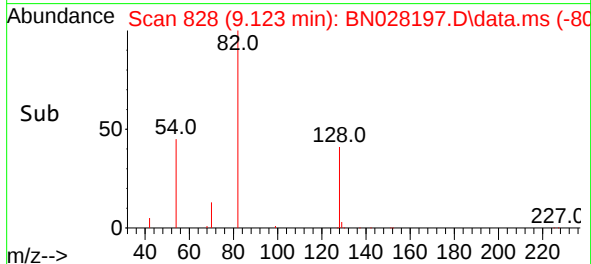
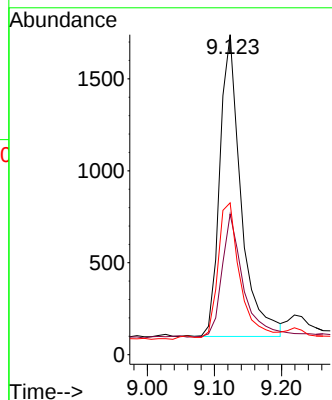
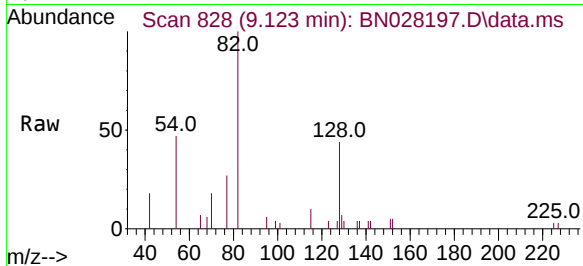




#8
 Nitrobenzene-d5
 Concen: 0.340 ng
 RT: 9.123 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BN028197.D
 Acq: 10 Oct 2023 15:01

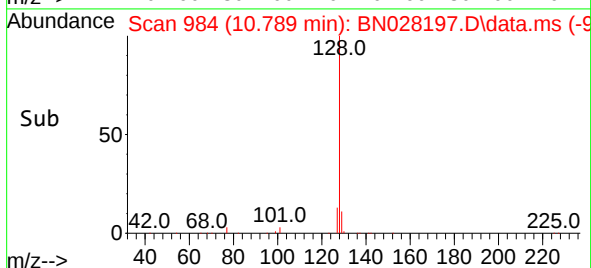
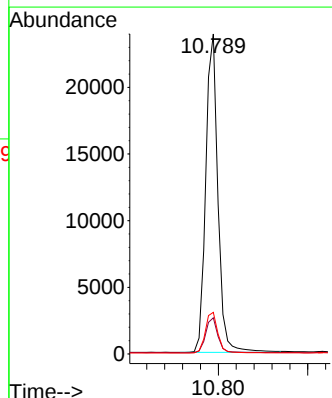
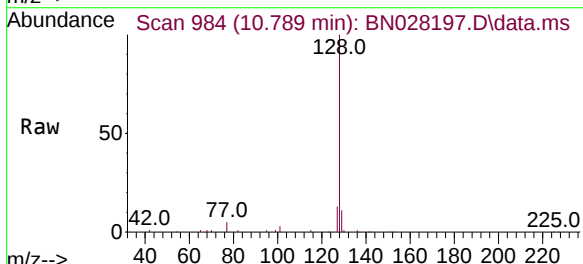
Instrument :
 BNA_N
 ClientSampleId :
 U-1(0-2IN)

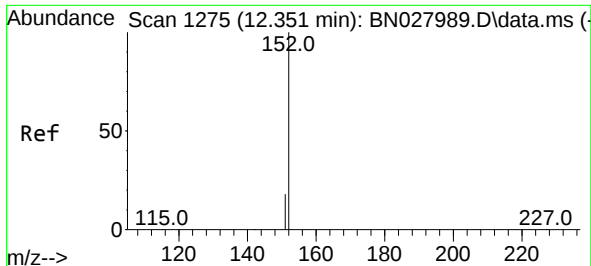
Tgt Ion: 82 Resp: 3606
 Ion Ratio Lower Upper
 82 100
 128 44.0 32.7 49.1
 54 47.5 38.7 58.1



#9
 Naphthalene
 Concen: 1.398 ng
 RT: 10.789 min Scan# 984
 Delta R.T. 0.000 min
 Lab File: BN028197.D
 Acq: 10 Oct 2023 15:01

Tgt Ion: 128 Resp: 44955
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.4 14.2
 127 13.0 10.9 16.3

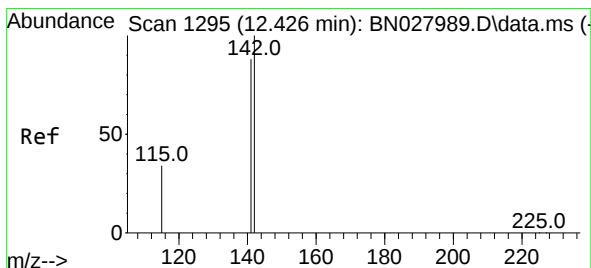
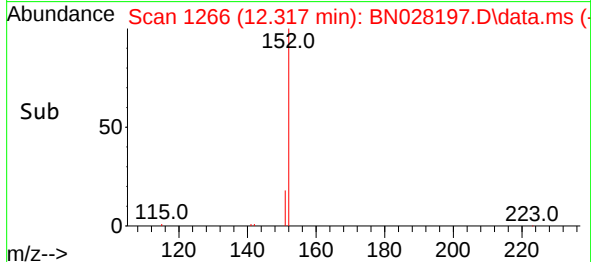
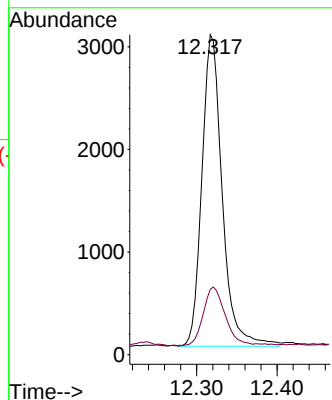
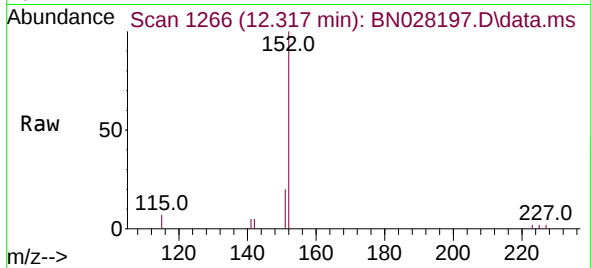




#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.317 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

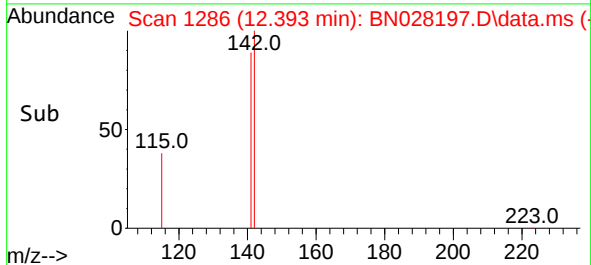
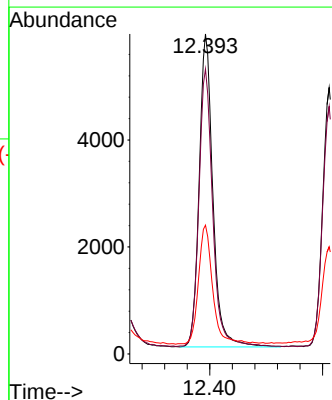
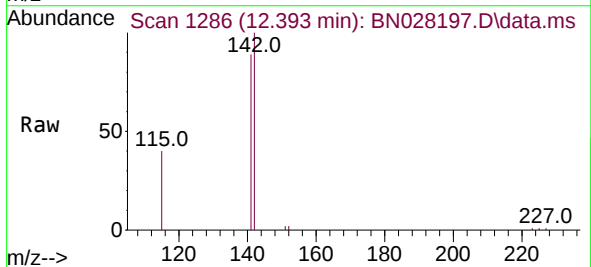
Instrument :
BNA_N
ClientSampleId :
U-1(0-2IN)

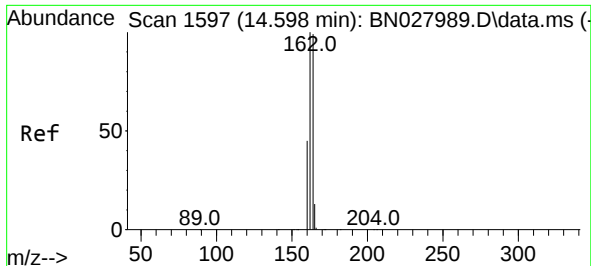
Tgt Ion:152 Resp: 5328
Ion Ratio Lower Upper
152 100
151 20.2 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.437 ng
RT: 12.393 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:142 Resp: 9841
Ion Ratio Lower Upper
142 100
141 89.1 70.7 106.1
115 40.3 28.6 42.8

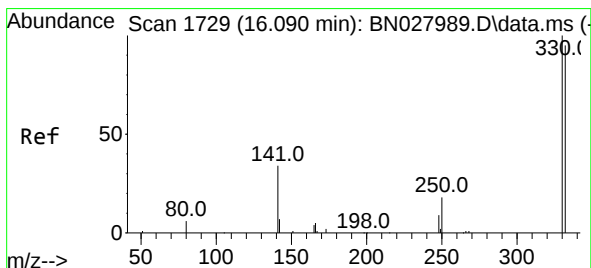
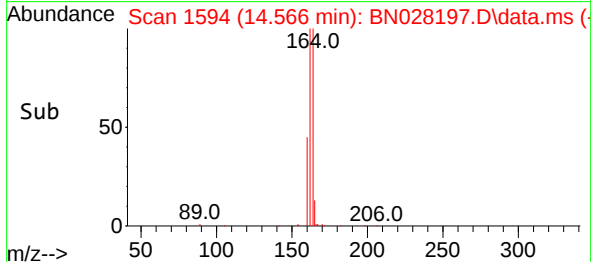
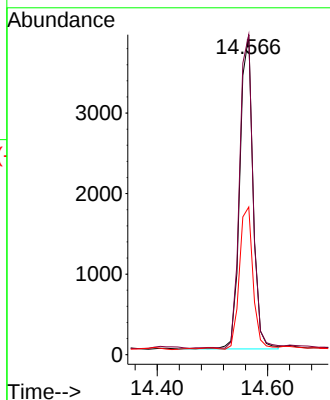
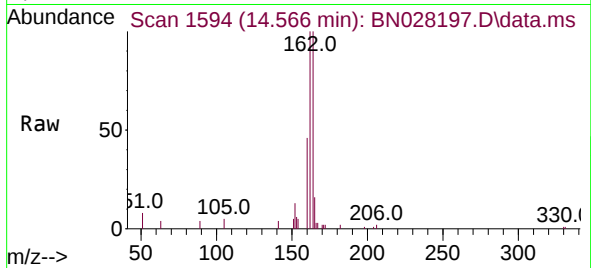




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

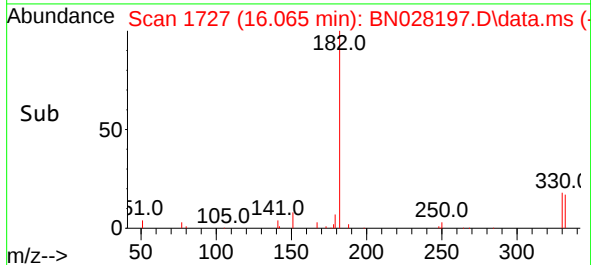
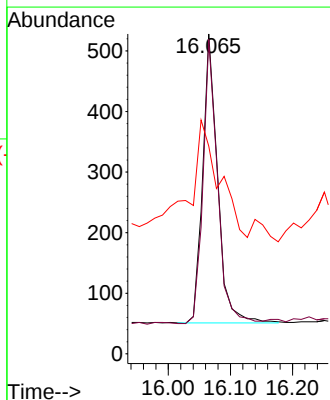
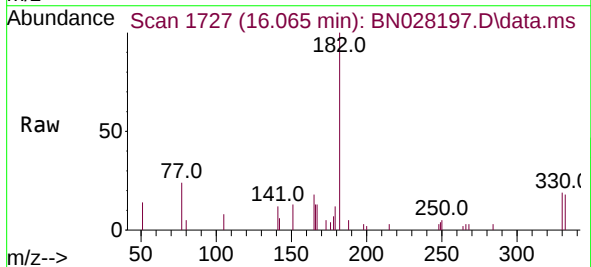
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ClientSampleId :
U-1(0-2IN)

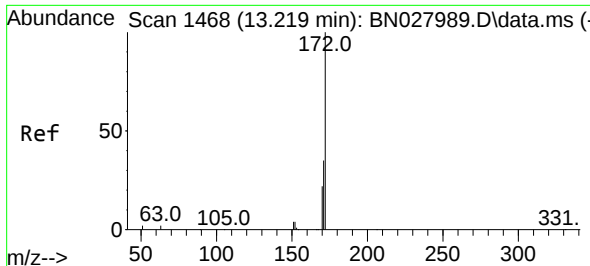
Tgt Ion:164 Resp: 6479
Ion Ratio Lower Upper
164 100
162 100.1 80.8 121.2
160 46.2 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.269 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:330 Resp: 798
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 72.6 33.4 50.2#

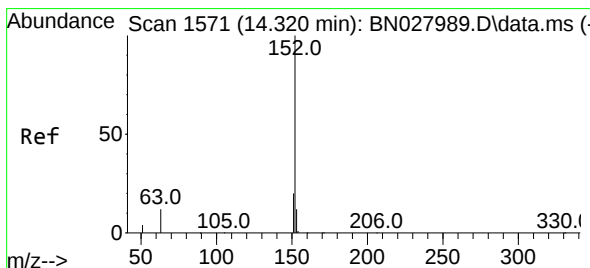
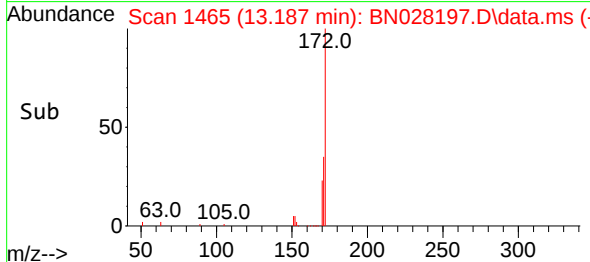
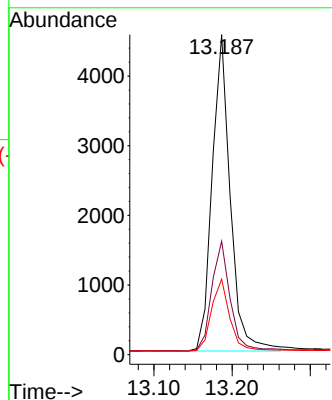
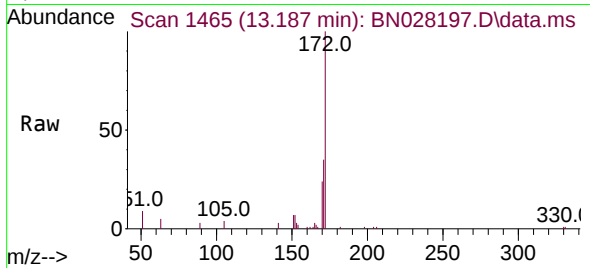




#15
2-Fluorobiphenyl
Concen: 0.313 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

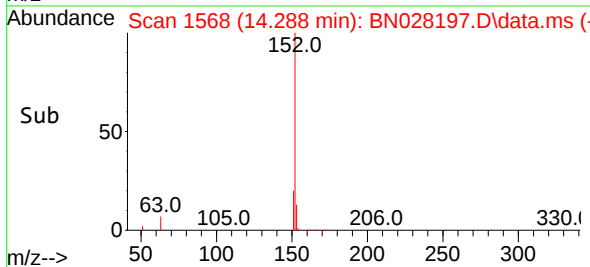
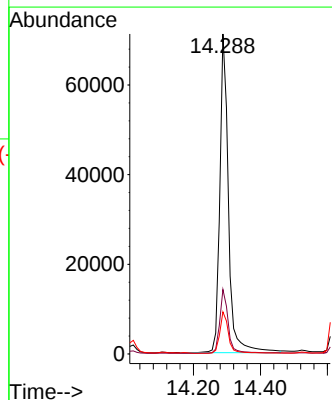
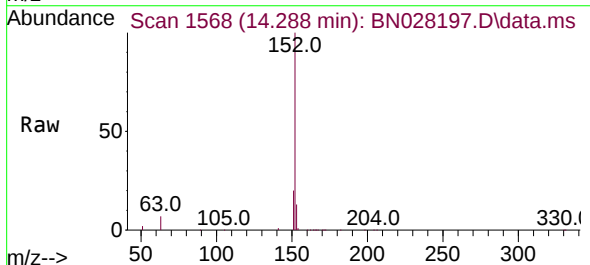
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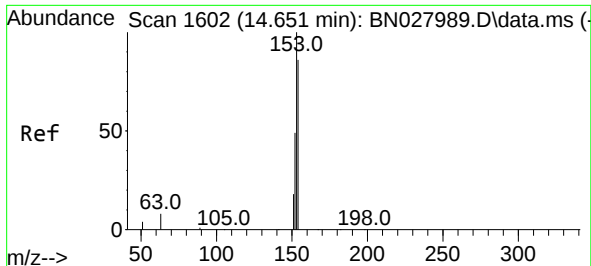
Tgt Ion:172 Resp: 7312
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.6 18.4 27.6



#16
Acenaphthylene
Concen: 4.422 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:152 Resp: 126927
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 12.9 10.2 15.4

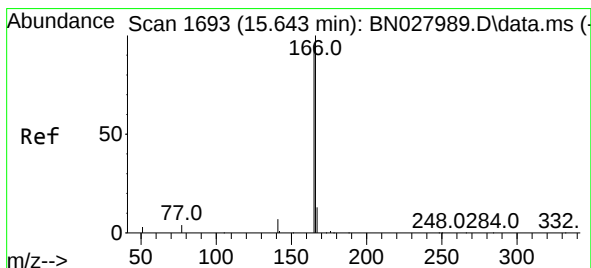
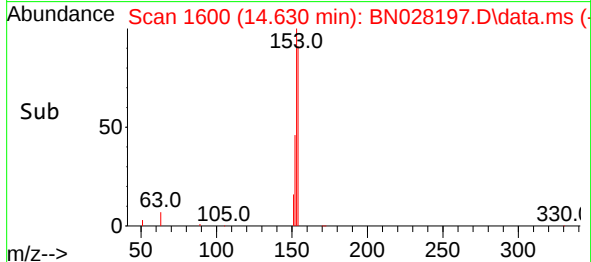
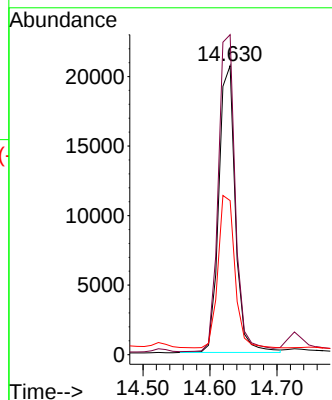
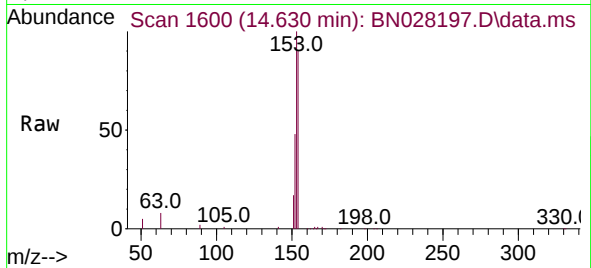




#17
Acenaphthene
Concen: 1.946 ng
RT: 14.630 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

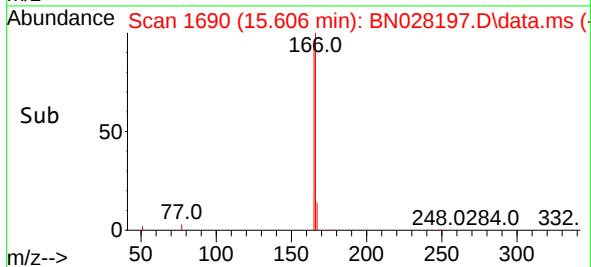
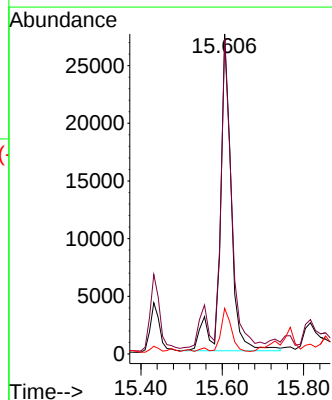
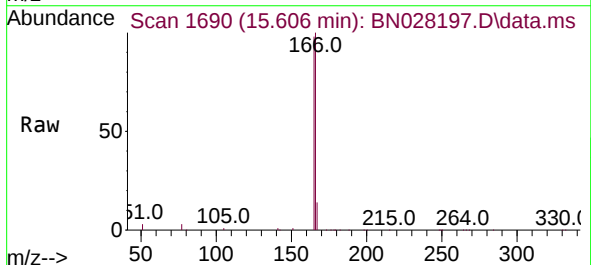
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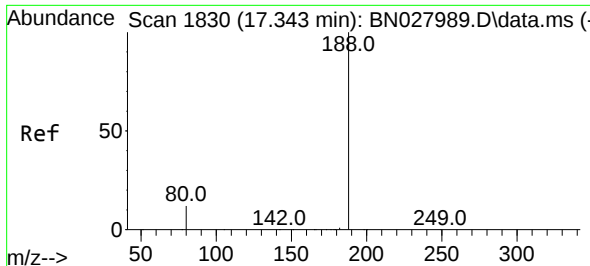
Tgt Ion:154 Resp: 35600
Ion Ratio Lower Upper
154 100
153 113.4 90.8 136.2
152 53.8 43.9 65.9



#18
Fluorene
Concen: 2.168 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:166 Resp: 51527
Ion Ratio Lower Upper
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165 88.9 77.8 116.8
167 13.4 10.7 16.1

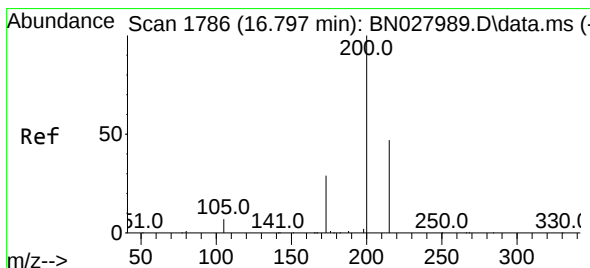
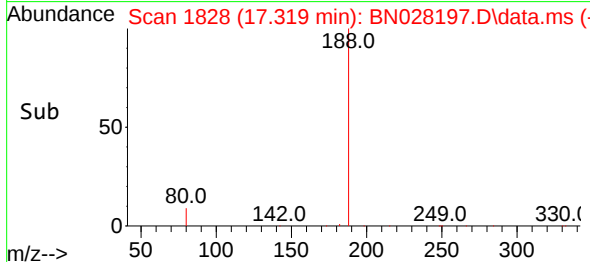
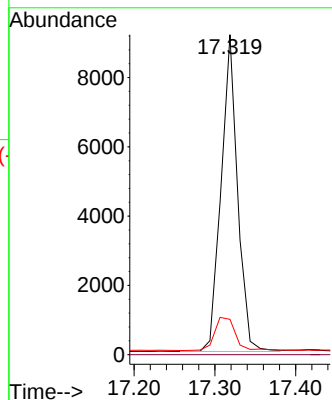
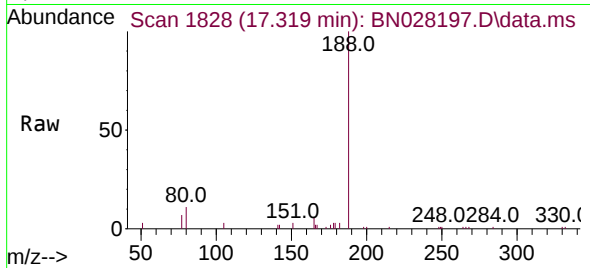




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

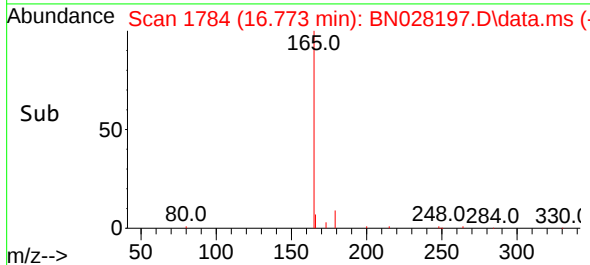
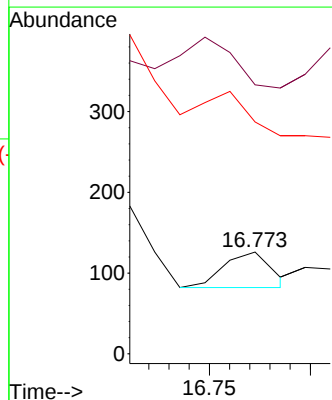
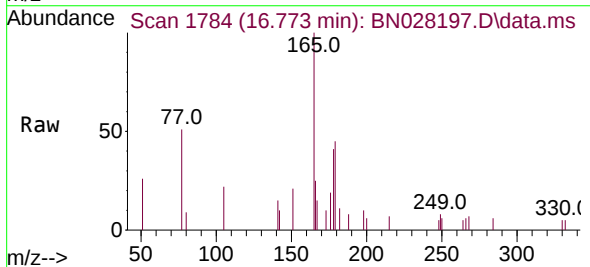
Instrument :
BNA_N
ClientSampleId :
U-1(0-2IN)

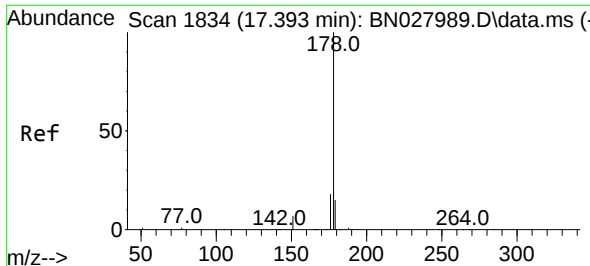
Tgt Ion:188 Resp: 12982
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.1 10.2 15.4



#20
4,6-Dinitro-2-methylphenol
Concen: 0.417 ng
RT: 16.773 min Scan# 1784
Delta R.T. -0.012 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:198 Resp: 72
Ion Ratio Lower Upper
198 100
51 264.3 180.7 271.1
105 227.8 222.2 333.2

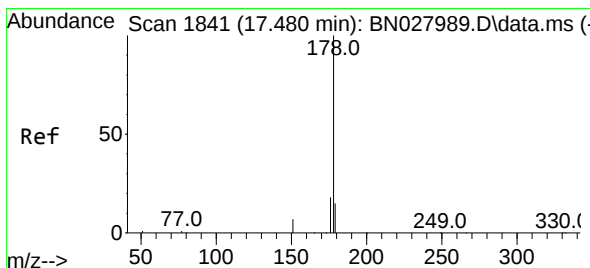
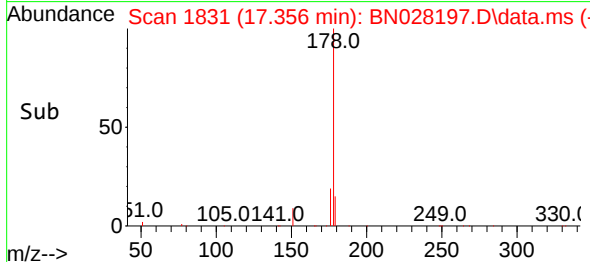
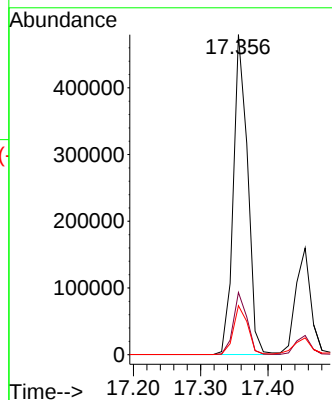
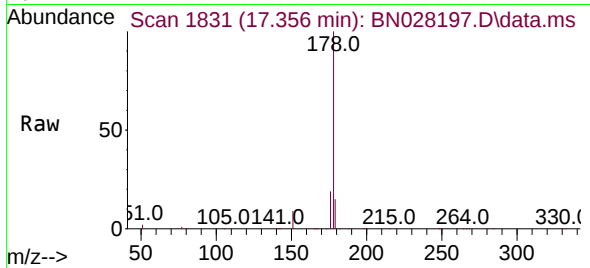




#25
Phenanthrene
Concen: 20.240 ng
RT: 17.356 min Scan# 1831
Delta R.T. -0.012 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

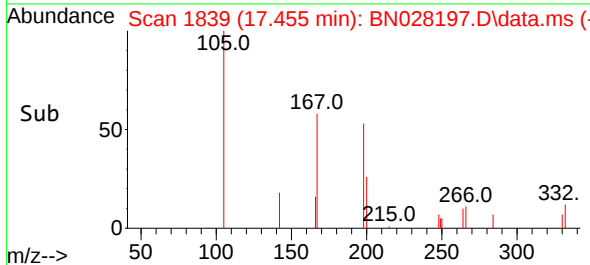
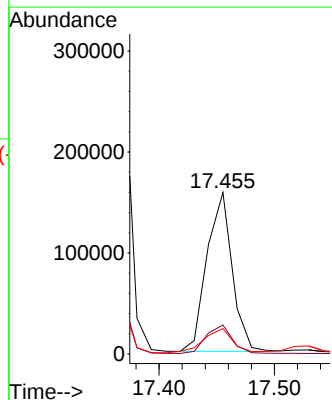
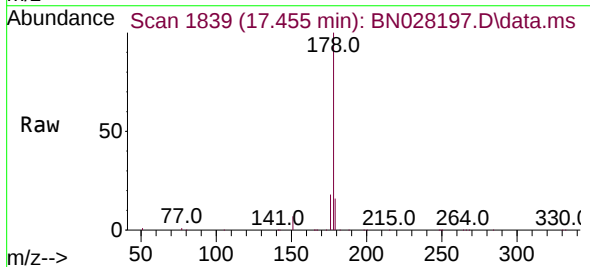
Instrument :
BNA_N
ClientSampleId :
U-1(0-2IN)

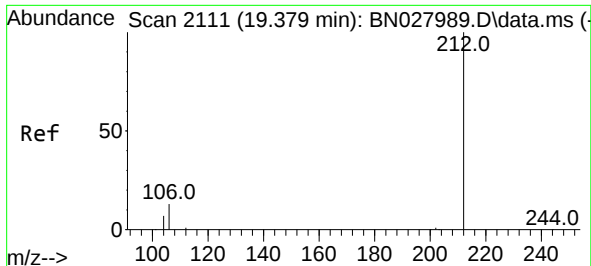
Tgt Ion:178 Resp: 708376
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.5 12.4 18.6



#26
Anthracene
Concen: 7.244 ng
RT: 17.455 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:178 Resp: 239637
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 17.8 12.2 18.2

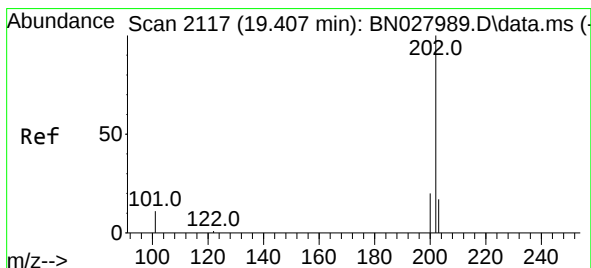
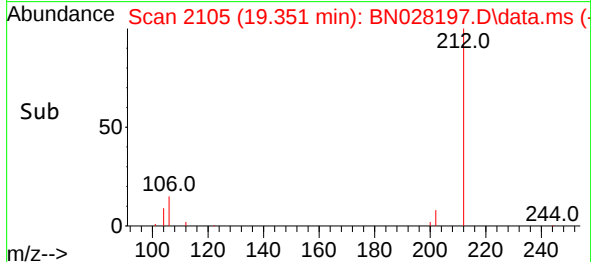
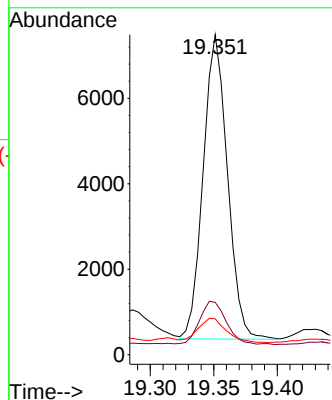
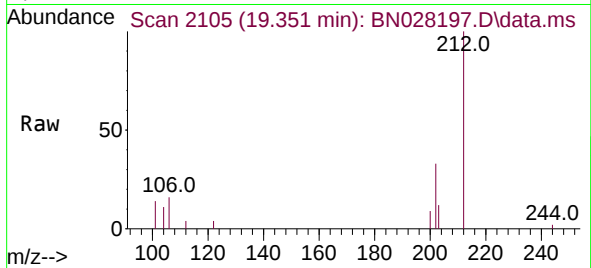




#27
Fluoranthene-d10
Concen: 0.291 ng
RT: 19.351 min Scan# 2111
Delta R.T. -0.005 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

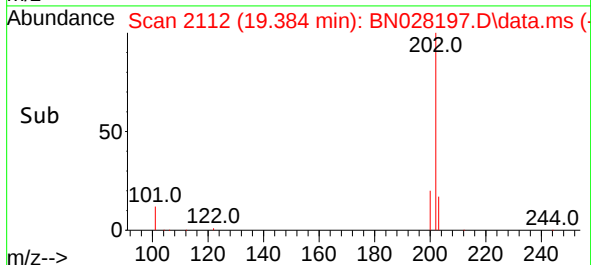
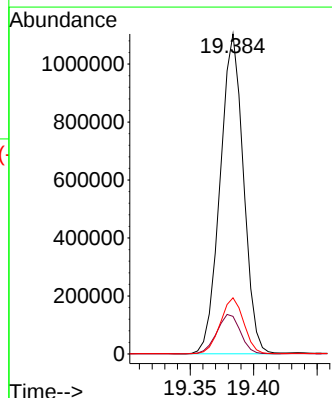
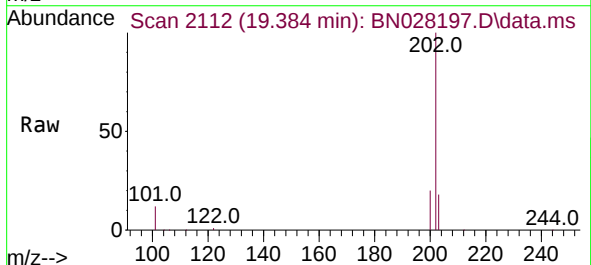
Instrument :
BNA_N
ClientSampleId :
U-1(0-2IN)

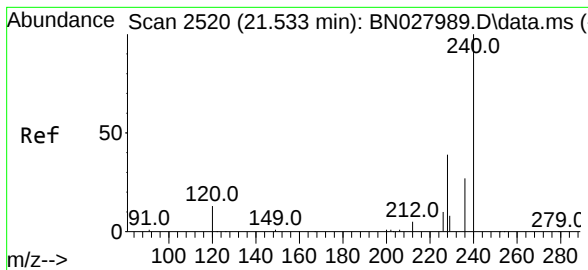
Tgt Ion:212 Resp: 9477
Ion Ratio Lower Upper
212 100
106 15.8 11.3 16.9
104 9.5 6.4 9.6



#28
Fluoranthene
Concen: 34.766 ng
RT: 19.384 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:202 Resp: 1404273
Ion Ratio Lower Upper
202 100
101 12.5 9.8 14.6
203 17.6 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.515 min Scan# 211

Delta R.T. 0.000 min

Lab File: BN028197.D

Acq: 10 Oct 2023 15:01

Instrument :

BNA_N

ClientSampleId :

U-1(0-2IN)

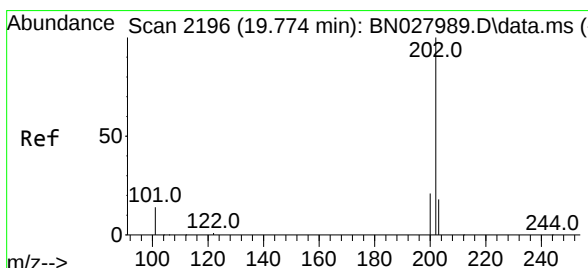
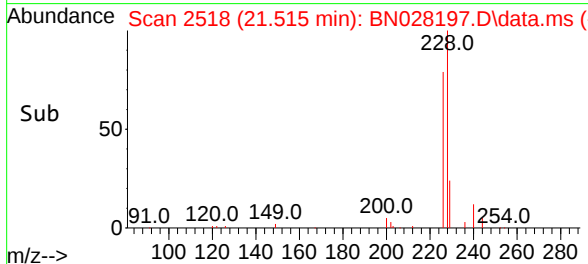
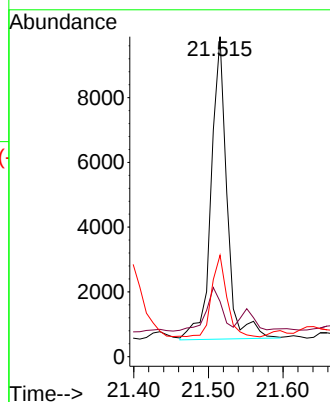
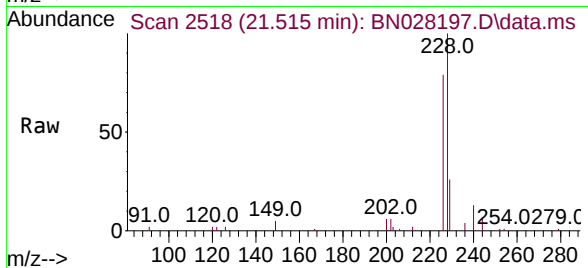
Tgt Ion:240 Resp: 13767

Ion Ratio Lower Upper

240 100

120 17.2 13.8 20.6

236 31.7 22.6 33.8



#30

Pyrene

Concen: 25.361 ng

RT: 19.751 min Scan# 2191

Delta R.T. 0.000 min

Lab File: BN028197.D

Acq: 10 Oct 2023 15:01

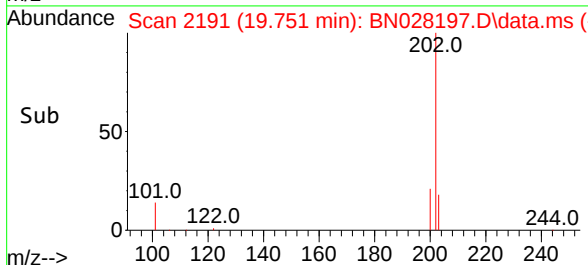
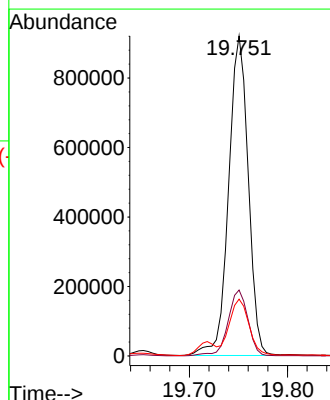
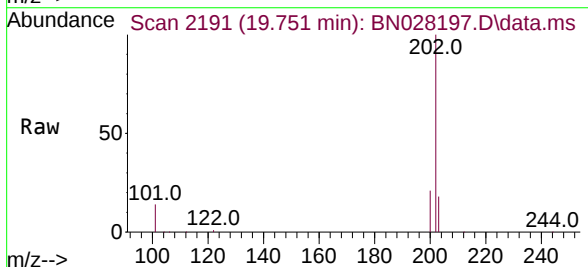
Tgt Ion:202 Resp: 1280273

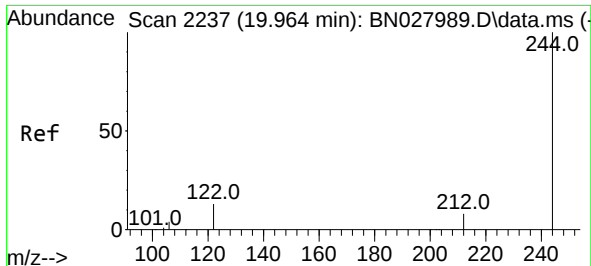
Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 17.5 14.7 22.1

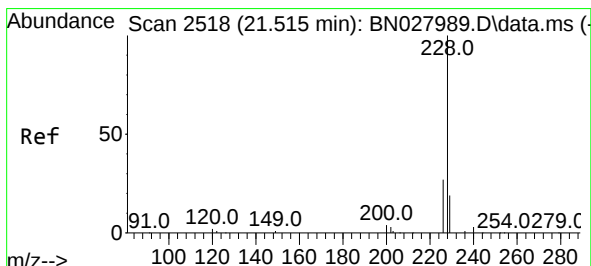
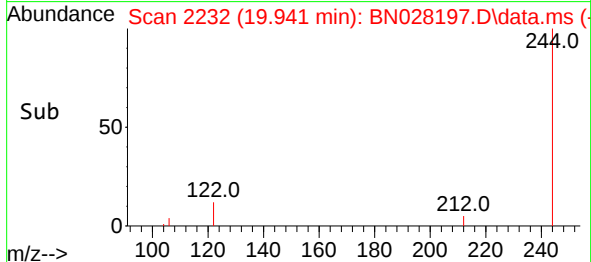
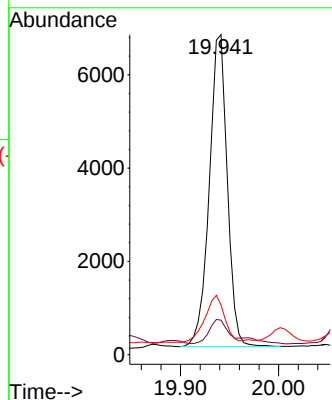
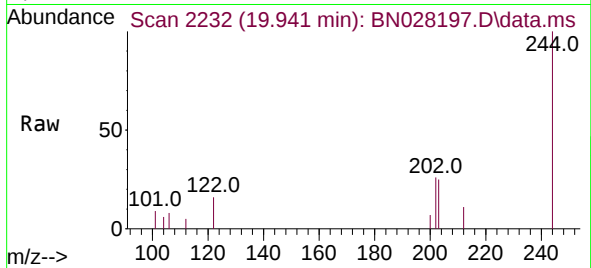




#31
Terphenyl-d14
Concen: 0.266 ng
RT: 19.941 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

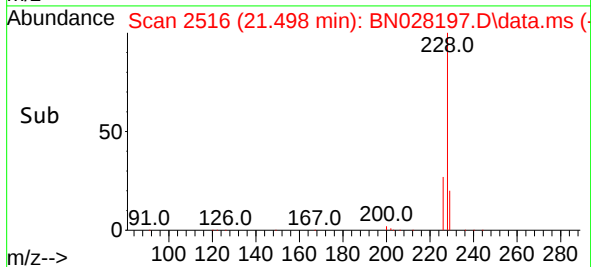
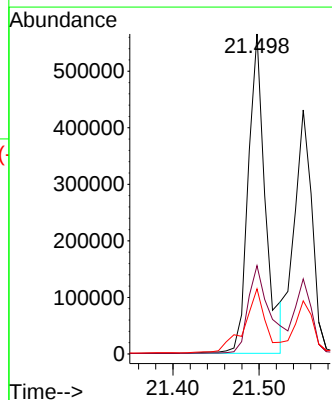
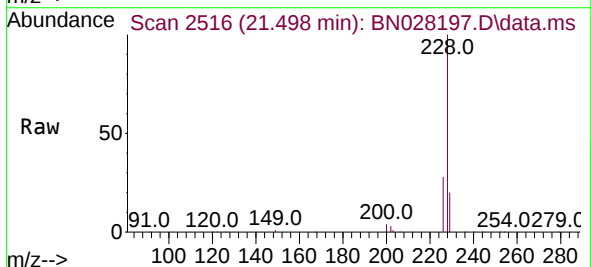
Instrument :
BNA_N
ClientSampleId :
U-1(0-2IN)

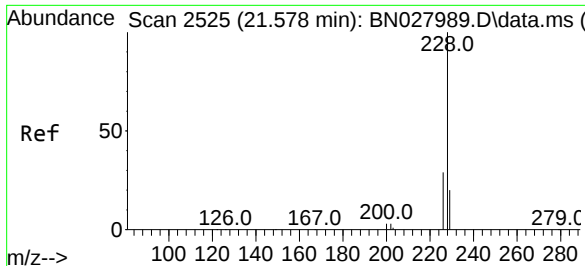
Tgt Ion:244 Resp: 8546
Ion Ratio Lower Upper
244 100
212 10.8 6.6 9.8#
122 15.6 11.4 17.0



#32
Benzo(a)anthracene
Concen: 16.748 ng
RT: 21.498 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:228 Resp: 784571
Ion Ratio Lower Upper
228 100
226 27.6 22.0 33.0
229 20.4 16.0 24.0

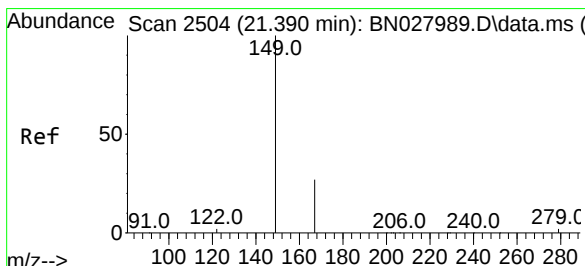
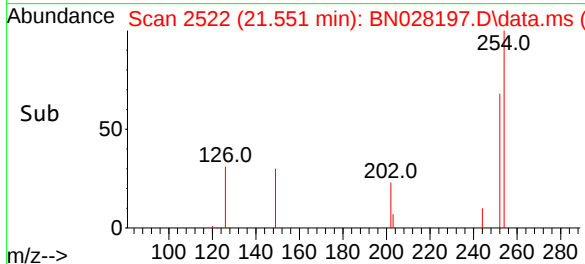
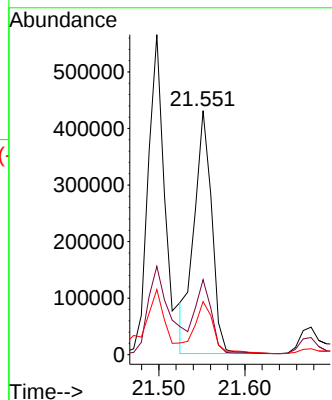
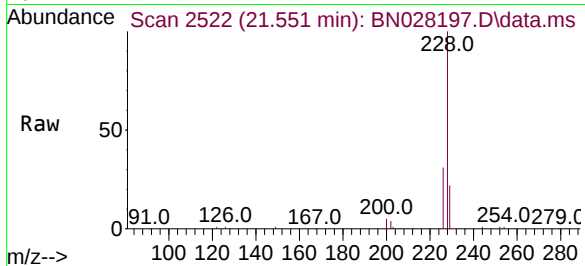




#33
Chrysene
Concen: 13.611 ng
RT: 21.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

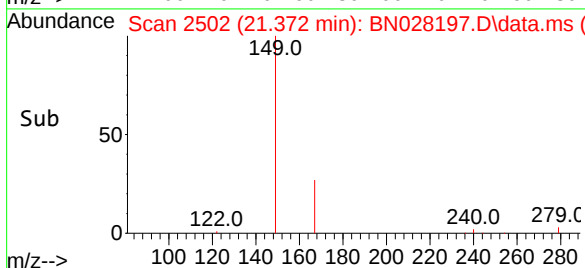
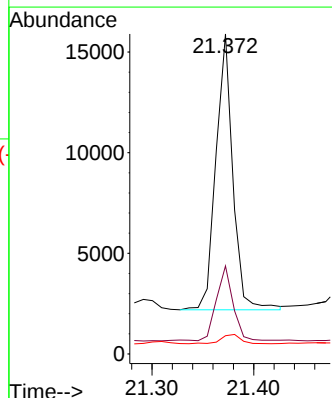
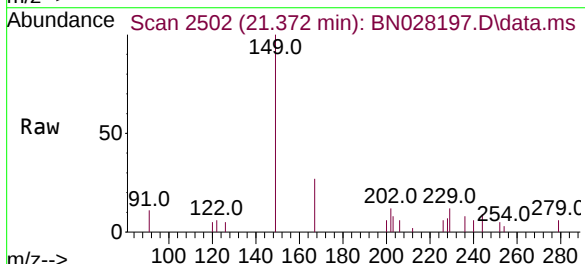
Instrument :
BNA_N
ClientSampleId :
U-1(0-2IN)

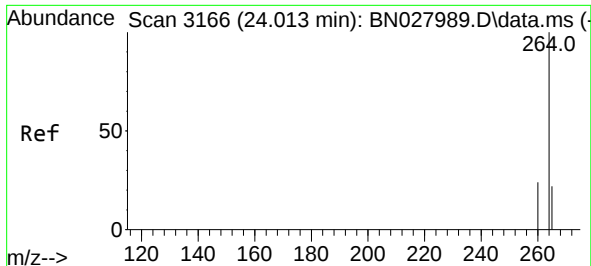
Tgt Ion:228 Resp: 614471
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.8
229 21.8 16.6 25.0



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.514 ng
RT: 21.372 min Scan# 2502
Delta R.T. 0.009 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:149 Resp: 15826
Ion Ratio Lower Upper
149 100
167 27.4 22.1 33.1
279 3.9 3.4 5.0





#35
Perylene-d12

Concen: 0.400 ng

RT: 23.975 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN028197.D

Acq: 10 Oct 2023 15:01

Instrument :

BNA_N

ClientSampleId :

U-1(0-2IN)

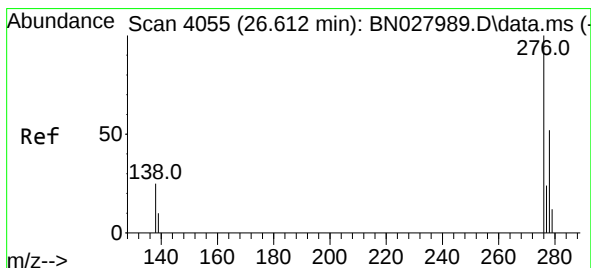
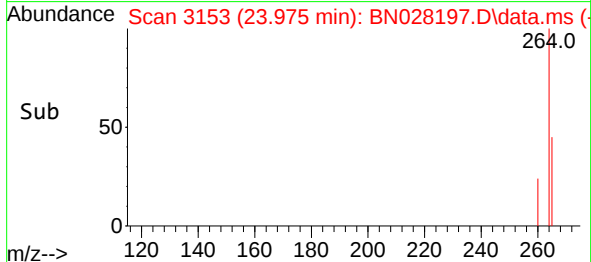
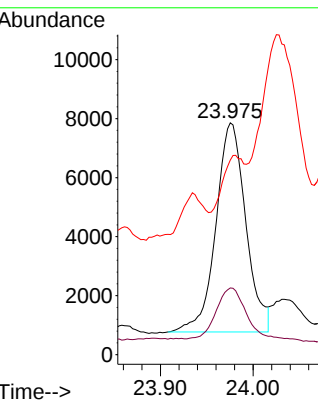
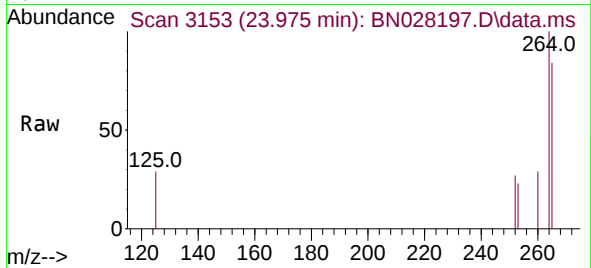
Tgt Ion:264 Resp: 15911

Ion Ratio Lower Upper

264 100

260 28.8 20.2 30.4

265 83.9 54.8 82.2#



#36

Indeno(1,2,3-cd)pyrene

Concen: 8.267 ng

RT: 26.560 min Scan# 4037

Delta R.T. 0.003 min

Lab File: BN028197.D

Acq: 10 Oct 2023 15:01

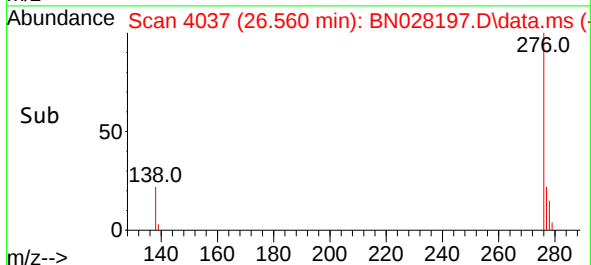
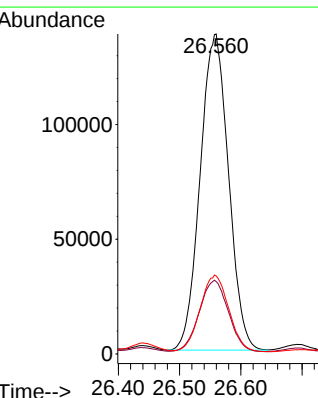
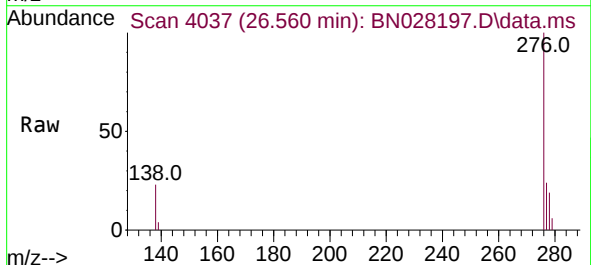
Tgt Ion:276 Resp: 442427

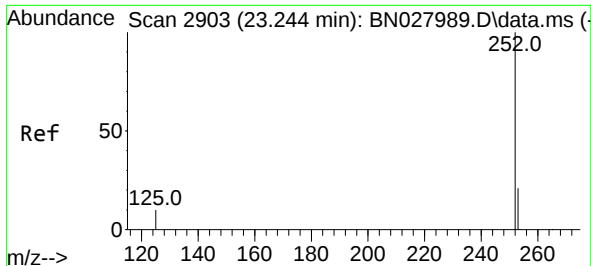
Ion Ratio Lower Upper

276 100

138 23.1 20.9 31.3

277 24.6 19.8 29.6

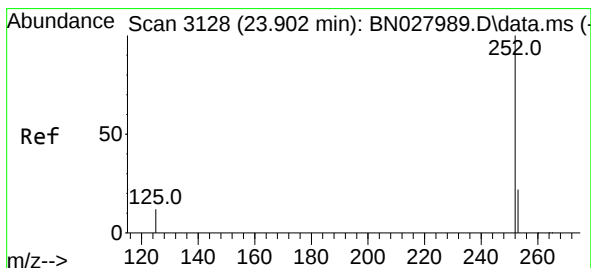
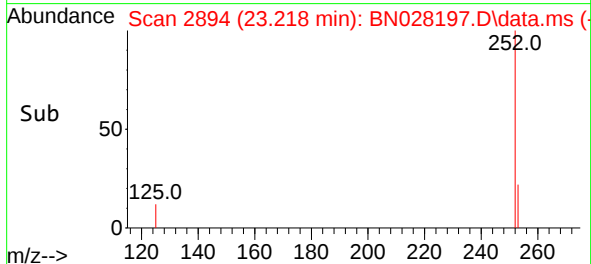
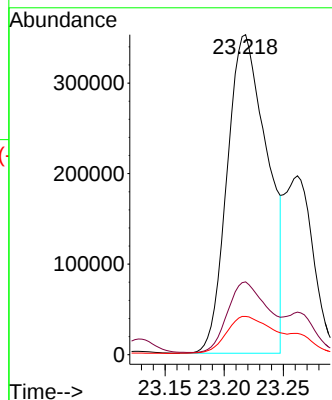
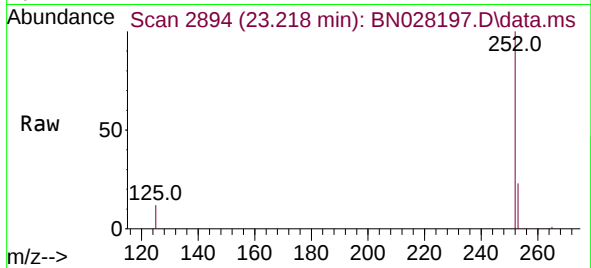




#37
Benzo(b)fluoranthene
Concen: 16.216 ng
RT: 23.218 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

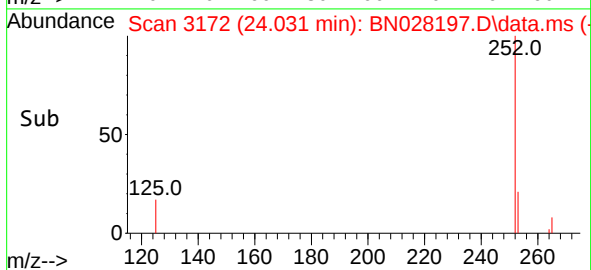
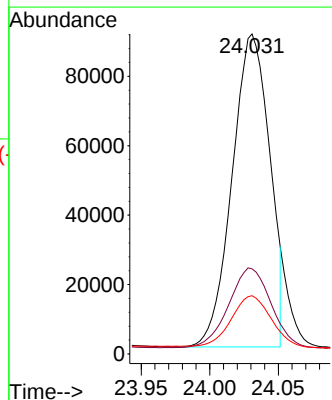
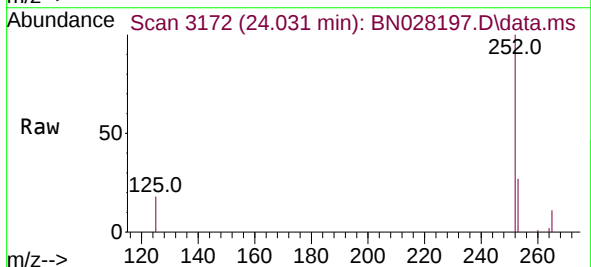
Instrument :
BNA_N
ClientSampleId :
U-1(0-2IN)

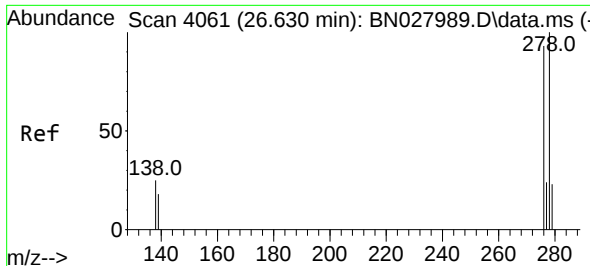
Tgt Ion:252 Resp: 833278
Ion Ratio Lower Upper
252 100
253 22.8 22.9 34.3#
125 11.9 13.8 20.8#



#39
Benzo(a)pyrene
Concen: 3.522 ng
RT: 24.031 min Scan# 3172
Delta R.T. 0.167 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:252 Resp: 171115
Ion Ratio Lower Upper
252 100
253 26.6 25.0 37.4
125 18.2 16.6 24.8

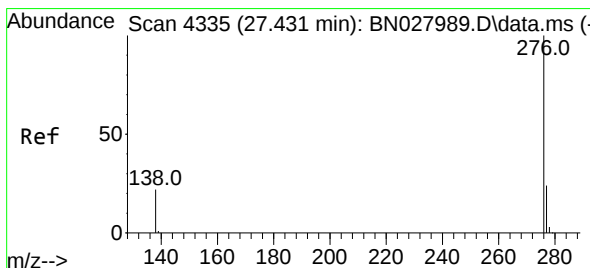
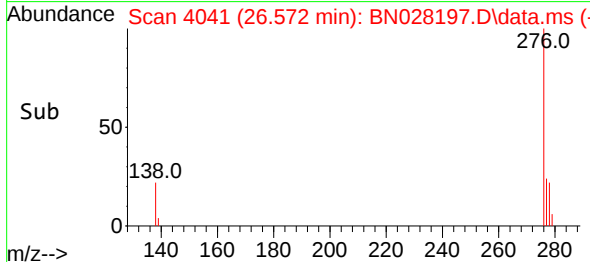
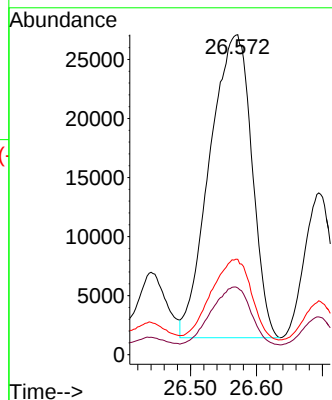
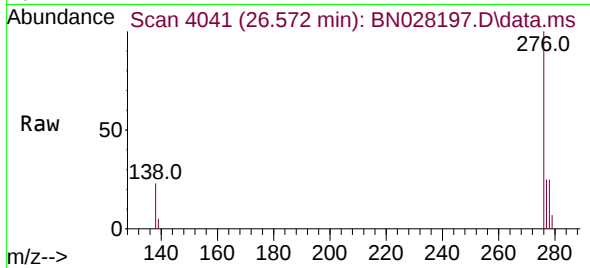




#40
Dibenzo(a,h)anthracene
Concen: 2.597 ng
RT: 26.572 min Scan# 4061
Delta R.T. -0.006 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Instrument :
BNA_N
ClientSampleId :
U-1(0-2IN)

Tgt Ion:278 Resp: 113716
Ion Ratio Lower Upper
278 100
139 20.8 17.7 26.5
279 29.8 25.2 37.8



#41
Benzo(g,h,i)perylene
Concen: 9.739 ng
RT: 27.367 min Scan# 4313
Delta R.T. 0.000 min
Lab File: BN028197.D
Acq: 10 Oct 2023 15:01

Tgt Ion:276 Resp: 437676
Ion Ratio Lower Upper
276 100
277 24.4 22.1 33.1
138 23.5 20.8 31.2

