

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028203.D
 Acq On : 10 Oct 2023 18:39
 Operator : MA/JU
 Sample : 04657-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 11 02:33:22 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

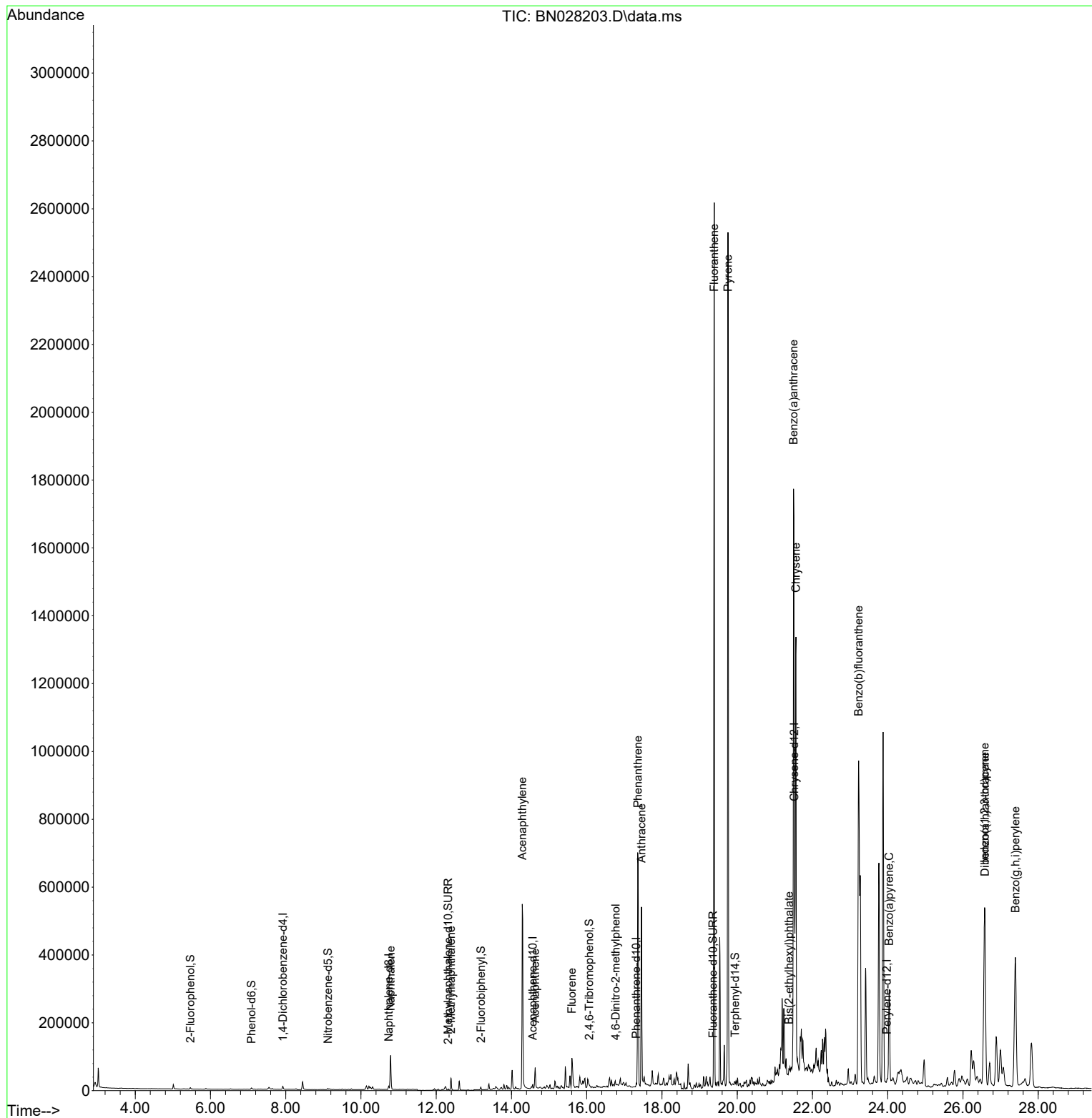
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	4228	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	13108	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	7213	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	14172	0.400	ng	0.00
29) Chrysene-d12	21.515	240	15142	0.400	ng	# 0.00
35) Perylene-d12	23.984	264	18902	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	3719	0.295	ng	0.00
5) Phenol-d6	7.091	99	4449	0.280	ng	0.00
8) Nitrobenzene-d5	9.123	82	3539	0.317	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	4873	0.251	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	857	0.259	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	6762	0.260	ng	0.00
27) Fluoranthene-d10	19.356	212	8046	0.226	ng	0.00
31) Terphenyl-d14	19.941	244	8505	0.241	ng	0.00
Target Compounds						
9) Naphthalene	10.789	128	135166	3.991	ng	98
12) 2-Methylnaphthalene	12.392	142	24275	1.025	ng	# 89
16) Acenaphthylene	14.288	152	680868	21.308	ng	100
17) Acenaphthene	14.630	154	35819	1.759	ng	99
18) Fluorene	15.606	166	81787	3.092	ng	89
20) 4,6-Dinitro-2-methylph...	16.772	198	211	1.120	ng	# 66
25) Phenanthrene	17.356	178	812615	21.269	ng	100
26) Anthracene	17.455	178	516548	14.303	ng	98
28) Fluoranthene	19.388	202	2285052	51.822	ng	99
30) Pyrene	19.755	202	2202641	39.670	ng	99
32) Benzo(a)anthracene	21.497	228	1631764	31.669	ng	98
33) Chrysene	21.560	228	1244466	25.062	ng	97
34) Bis(2-ethylhexyl)phtha...	21.372	149	15664	0.462	ng	# 90
36) Indeno(1,2,3-cd)pyrene	26.577	276	947986	14.910	ng	97
37) Benzo(b)fluoranthene	23.227	252	1802939	29.534	ng	# 89
39) Benzo(a)pyrene	24.039	252	353004	6.115	ng	91
40) Dibenzo(a,h)anthracene	26.586	278	275896	5.305	ng	97
41) Benzo(g,h,i)perylene	27.393	276	887412	16.622	ng	95

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

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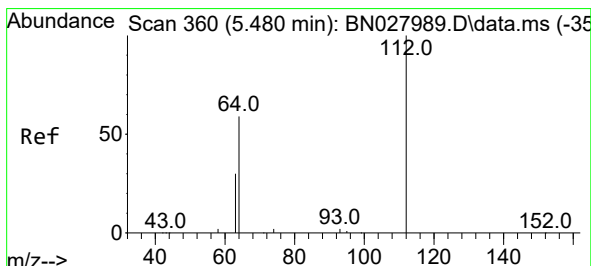
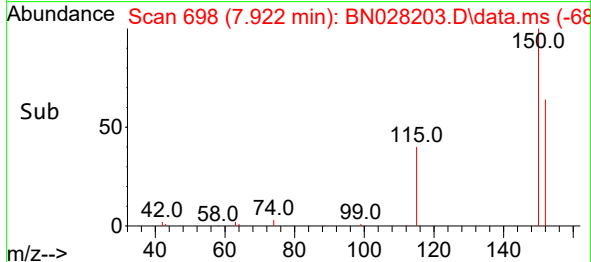
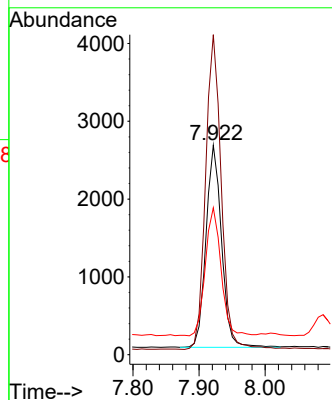
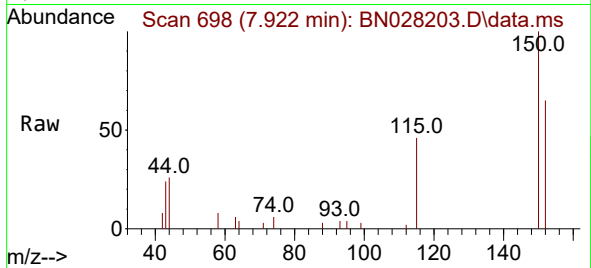




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

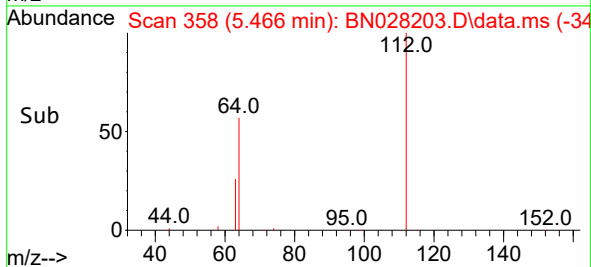
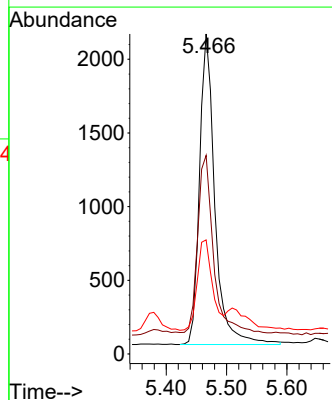
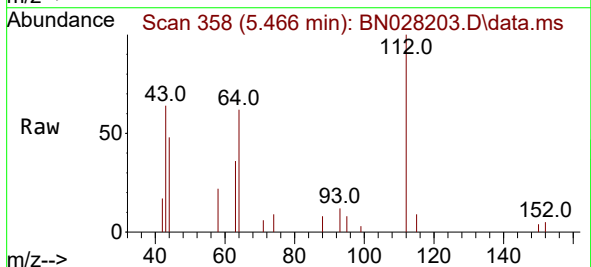
Instrument :
BNA_N
ClientSampleId :
W-1(0-2IN)

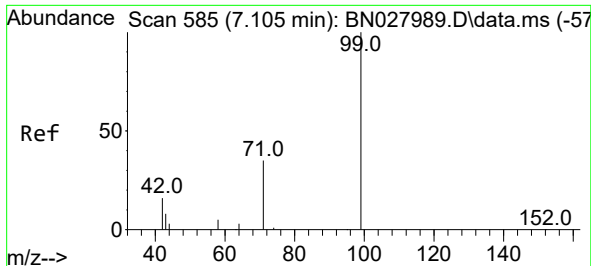
Tgt Ion:152 Resp: 4228
Ion Ratio Lower Upper
152 100
150 152.7 125.6 188.4
115 70.1 54.8 82.2



#4
2-Fluorophenol
Concen: 0.295 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

Tgt Ion:112 Resp: 3719
Ion Ratio Lower Upper
112 100
64 57.9 45.0 67.6
63 29.1 23.4 35.0

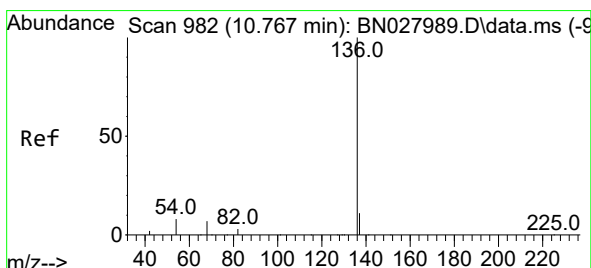
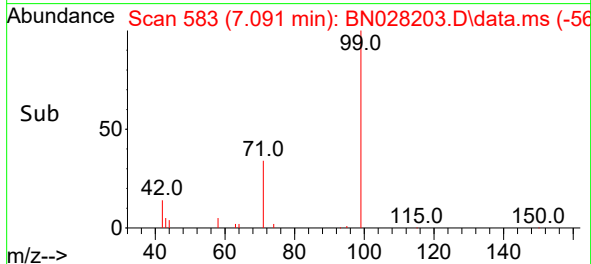
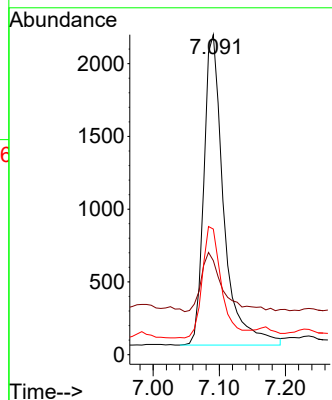
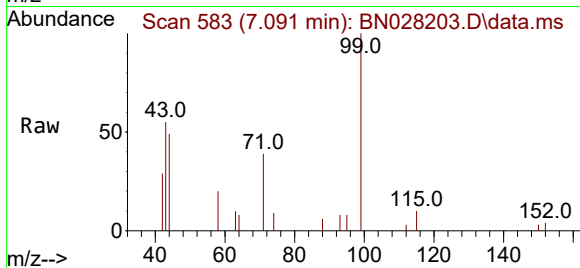




#5
Phenol-d6
Concen: 0.280 ng
RT: 7.091 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

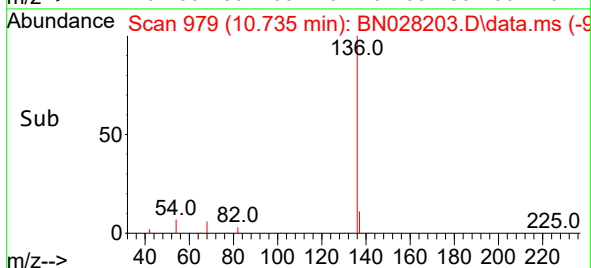
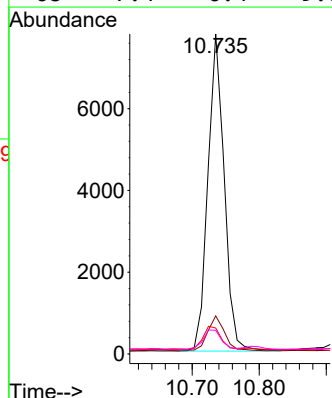
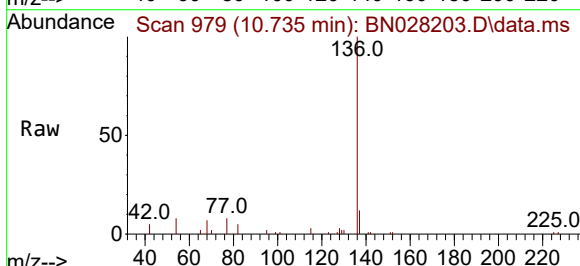
Instrument :
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ClientSampleId :
W-1(0-2IN)

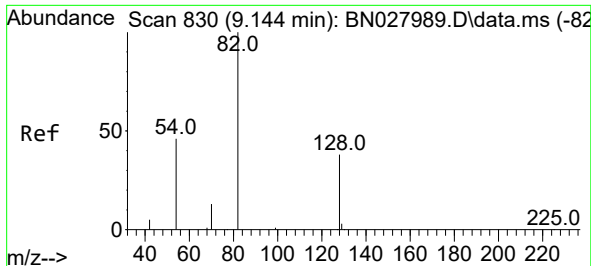
Tgt Ion:	99	Resp:	4449
Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.6	22.0
71	34.9	28.3	42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

Tgt Ion:	136	Resp:	13108
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.4	14.0
54	8.1	7.0	10.6
68	7.4	6.4	9.6

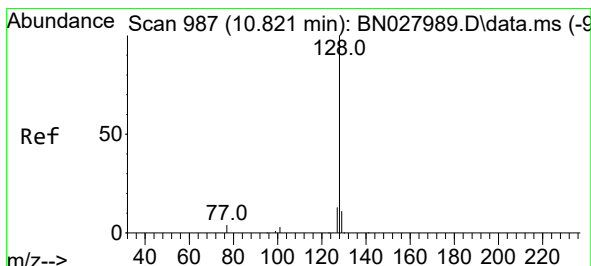
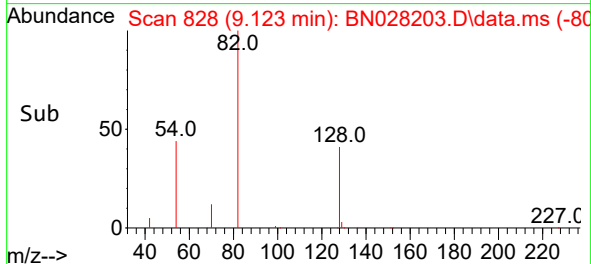
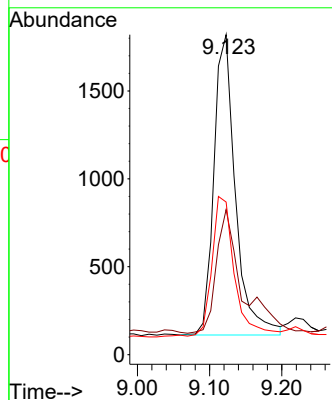
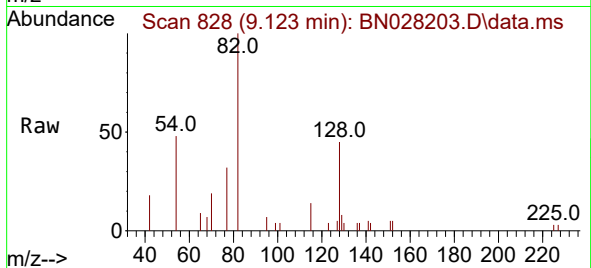




#8
Nitrobenzene-d5
Concen: 0.317 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

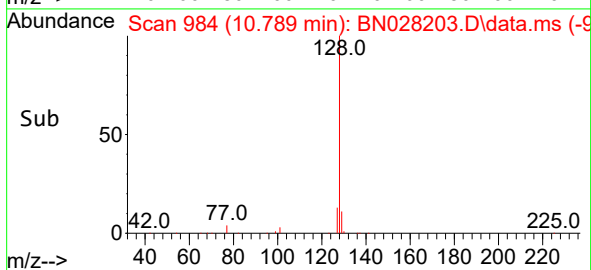
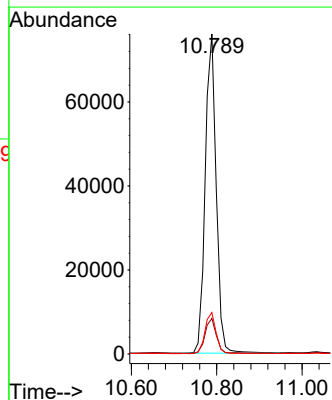
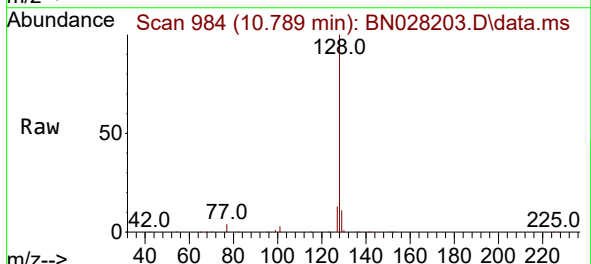
Instrument :
BNA_N
ClientSampleId :
W-1(0-2IN)

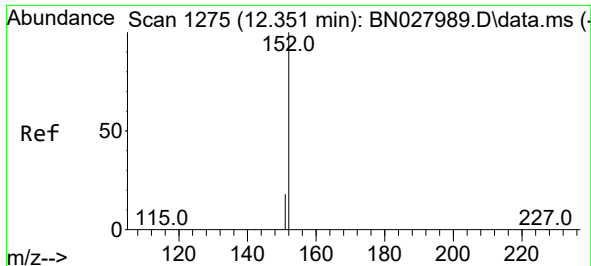
Tgt Ion: 82 Resp: 3539
Ion Ratio Lower Upper
82 100
128 45.3 32.7 49.1
54 47.7 38.7 58.1



#9
Naphthalene
Concen: 3.991 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

Tgt Ion: 128 Resp: 135166
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.9 10.9 16.3

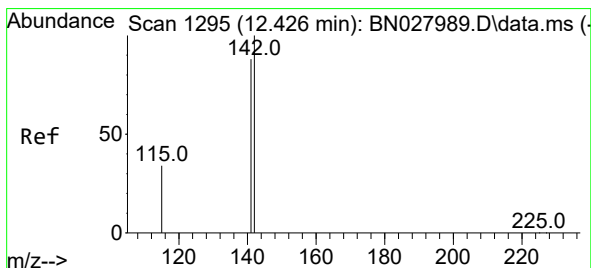
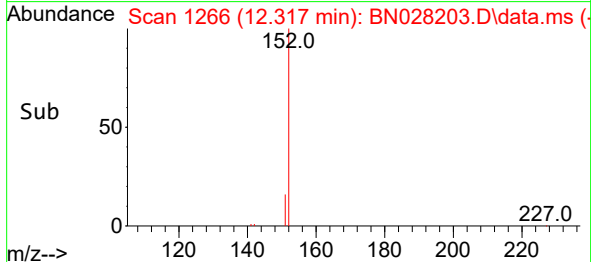
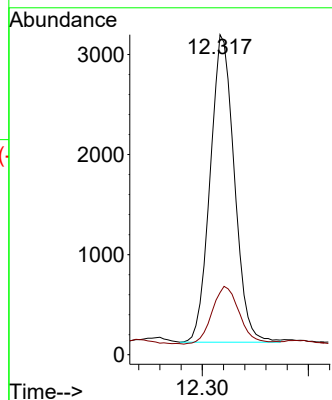
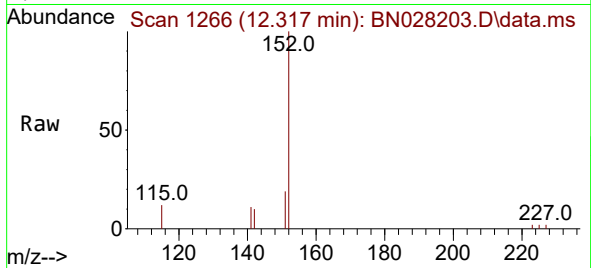




#11
2-Methylnaphthalene-d10
Concen: 0.251 ng
RT: 12.317 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

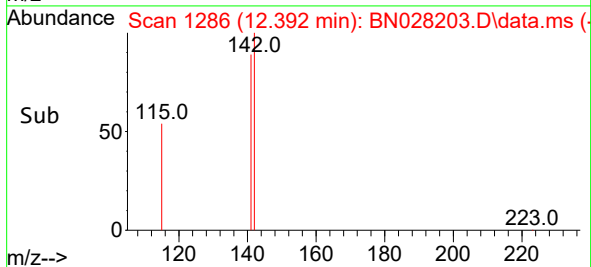
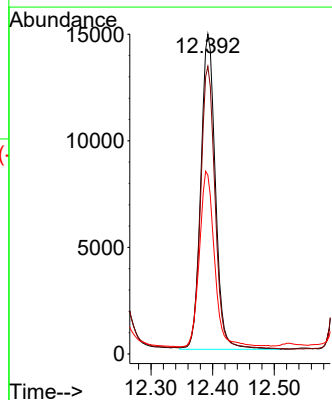
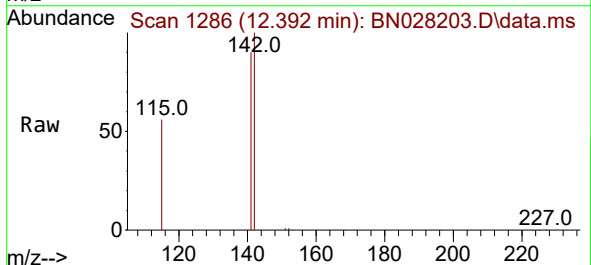
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BNA_N
ClientSampleId :
W-1(0-2IN)

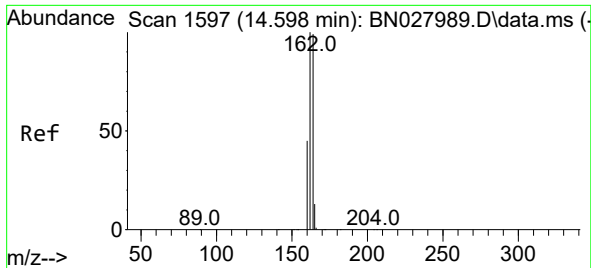
Tgt Ion:152 Resp: 4873
Ion Ratio Lower Upper
152 100
151 21.3 16.5 24.7



#12
2-Methylnaphthalene
Concen: 1.025 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

Tgt Ion:142 Resp: 24275
Ion Ratio Lower Upper
142 100
141 89.8 70.7 106.1
115 55.8 28.6 42.8#

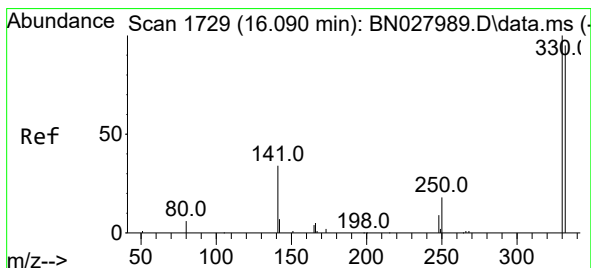
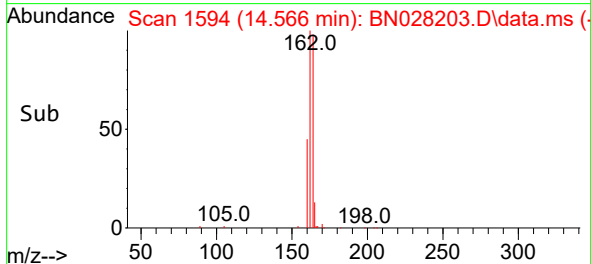
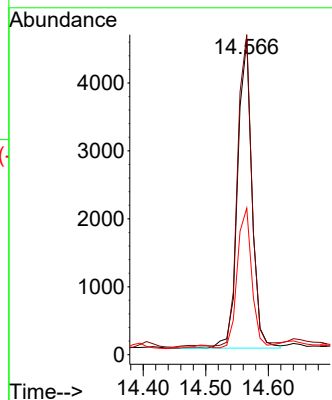
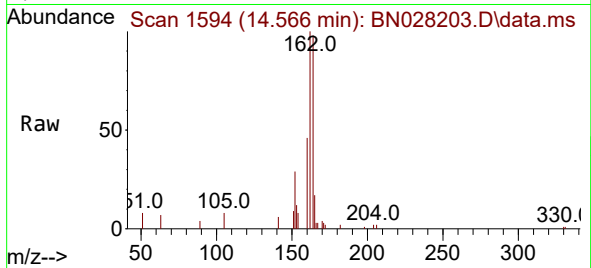




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

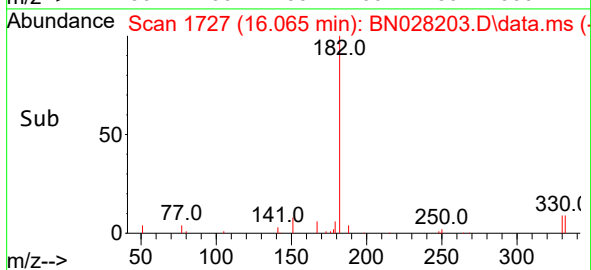
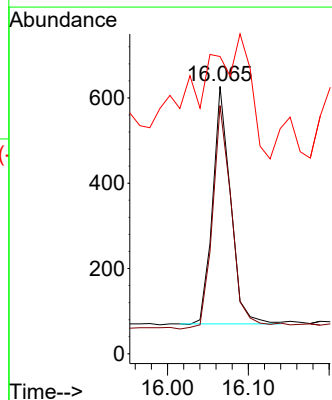
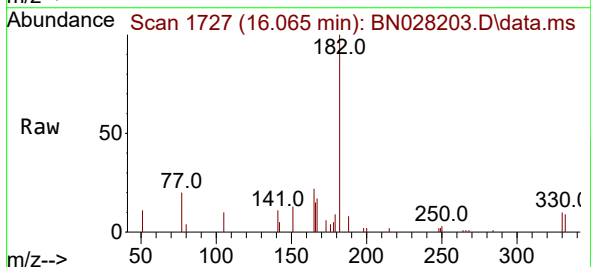
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ClientSampleId :
W-1(0-2IN)

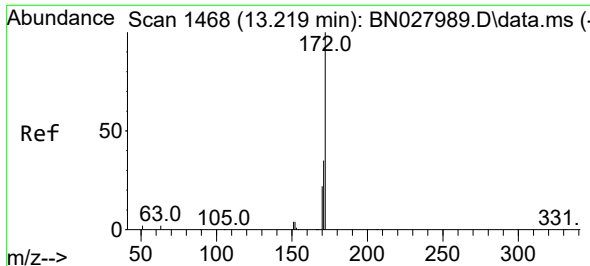
Tgt Ion:164 Resp: 7213
Ion Ratio Lower Upper
164 100
162 101.6 80.8 121.2
160 46.5 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.259 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

Tgt Ion:330 Resp: 857
Ion Ratio Lower Upper
330 100
332 103.5 78.1 117.1
141 0.0 33.4 50.2#

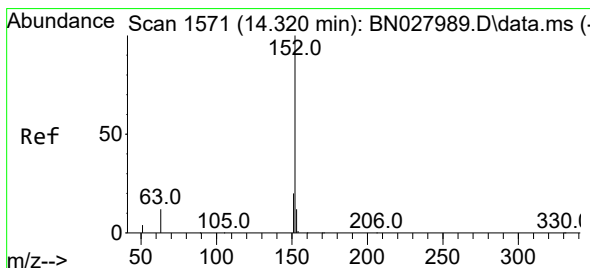
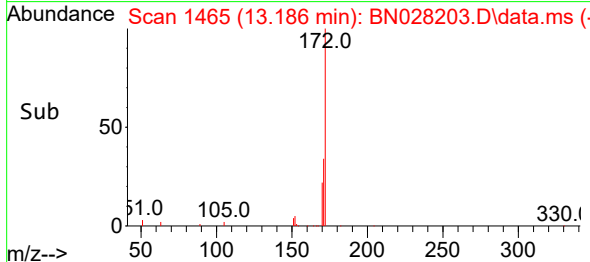
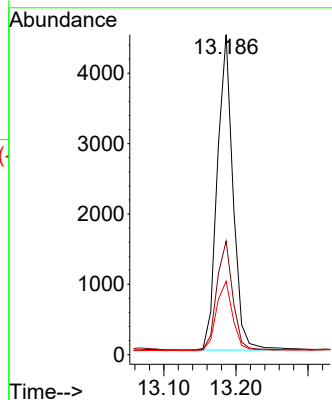
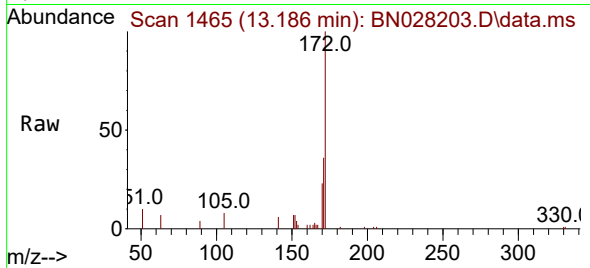




#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 13.186 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

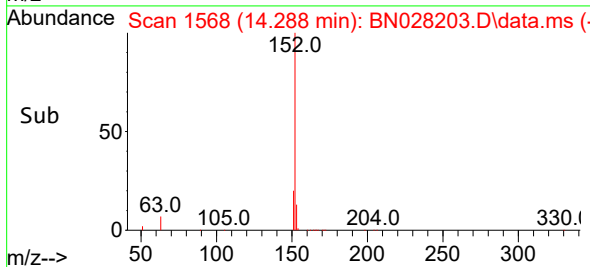
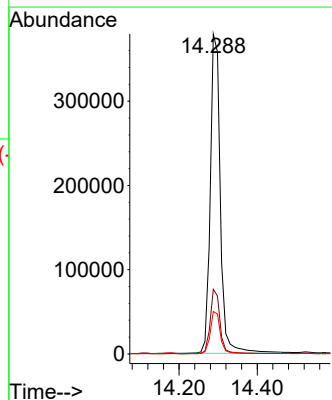
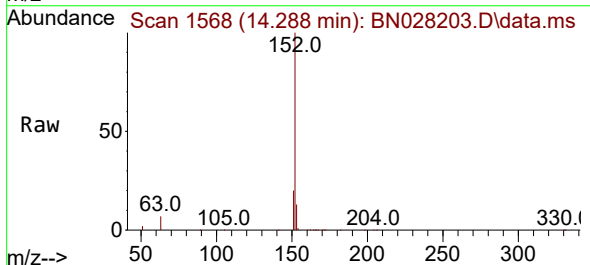
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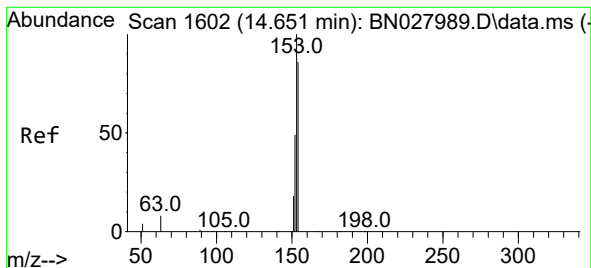
Tgt Ion:172 Resp: 6762
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.0 18.4 27.6



#16
Acenaphthylene
Concen: 21.308 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

Tgt Ion:152 Resp: 680868
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.1 10.2 15.4





#17

Acenaphthene

Concen: 1.759 ng

RT: 14.630 min Scan# 1600

Delta R.T. -0.000 min

Lab File: BN028203.D

Acq: 10 Oct 2023 18:39

Instrument :

BNA_N

ClientSampleId :

W-1(0-2IN)

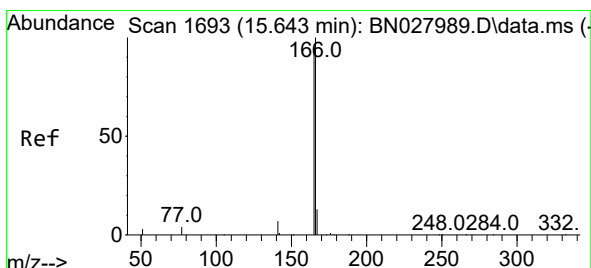
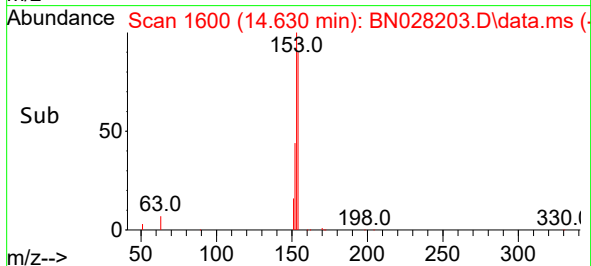
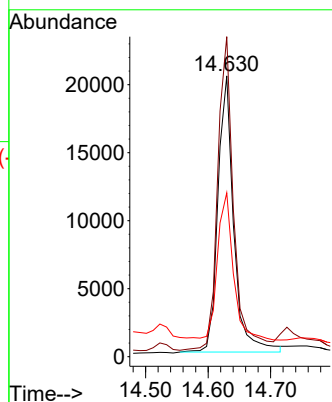
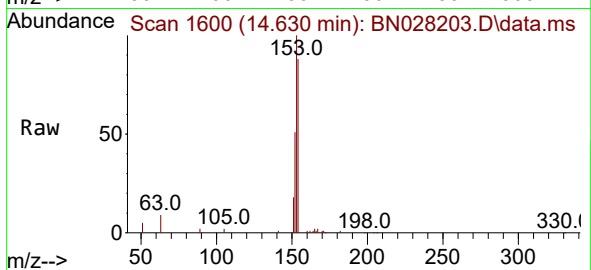
Tgt Ion:154 Resp: 35819

Ion Ratio Lower Upper

154 100

153 114.8 90.8 136.2

152 53.6 43.9 65.9



#18

Fluorene

Concen: 3.092 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.013 min

Lab File: BN028203.D

Acq: 10 Oct 2023 18:39

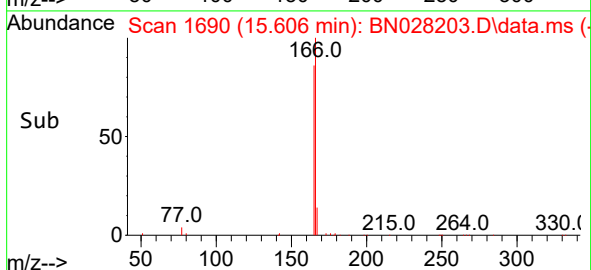
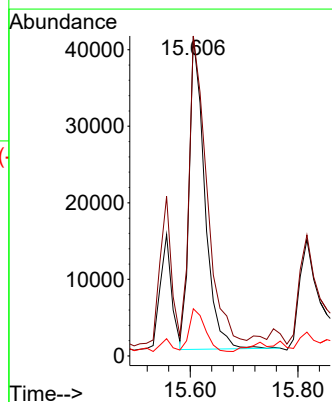
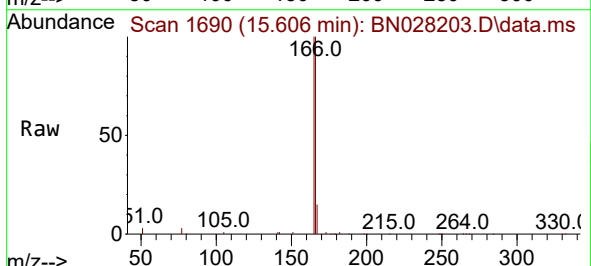
Tgt Ion:166 Resp: 81787

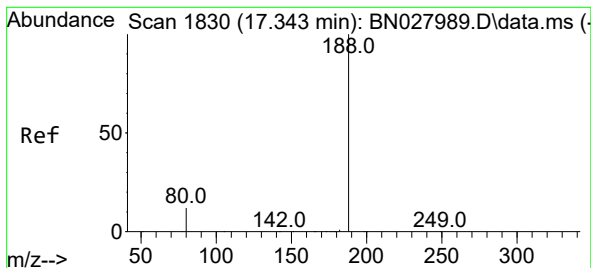
Ion Ratio Lower Upper

166 100

165 109.2 77.8 116.8

167 13.9 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: BN028203.D

Acq: 10 Oct 2023 18:39

Instrument :

BNA_N

ClientSampleId :

W-1(0-2IN)

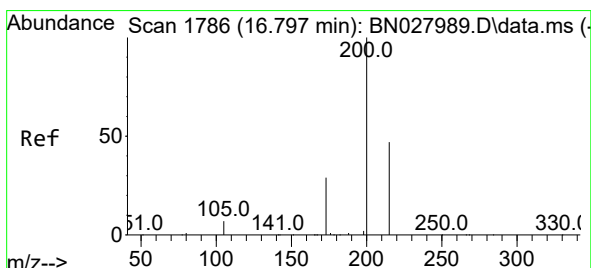
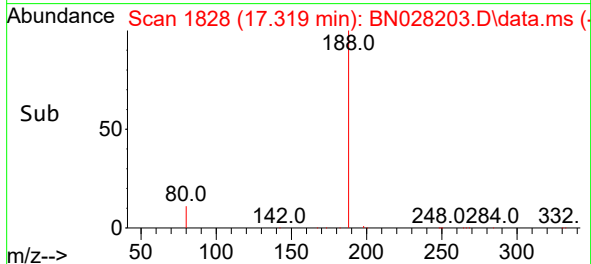
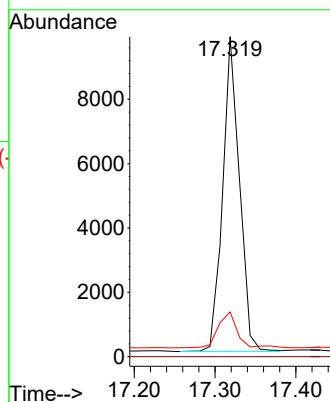
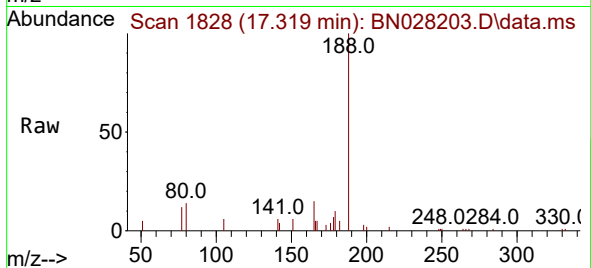
Tgt Ion:188 Resp: 14172

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.0 10.2 15.4



#20

4,6-Dinitro-2-methylphenol

Concen: 1.120 ng

RT: 16.772 min Scan# 1784

Delta R.T. -0.013 min

Lab File: BN028203.D

Acq: 10 Oct 2023 18:39

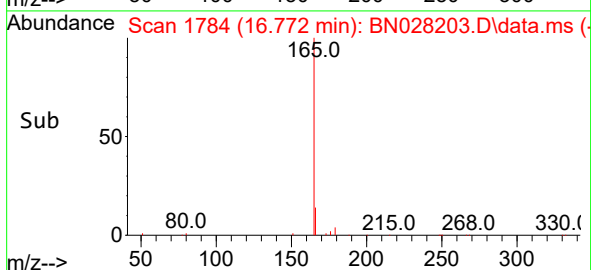
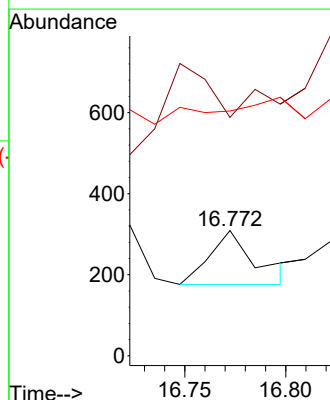
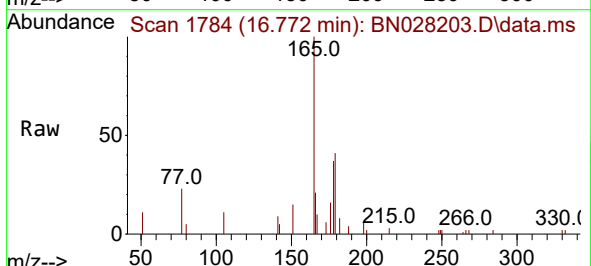
Tgt Ion:198 Resp: 211

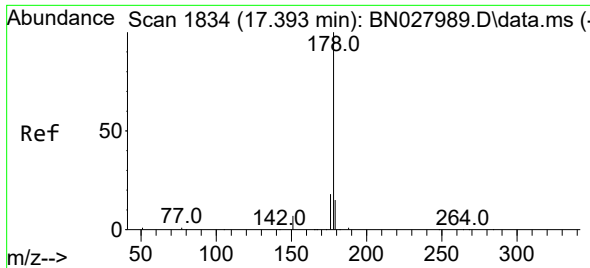
Ion Ratio Lower Upper

198 100

51 190.3 180.7 271.1

105 195.5 222.2 333.2#

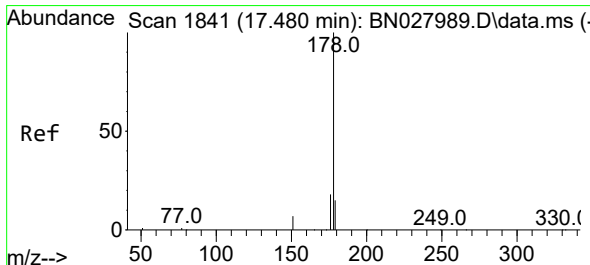
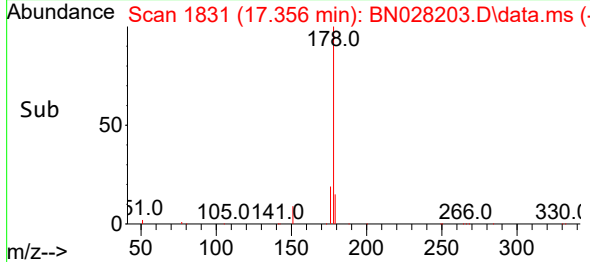
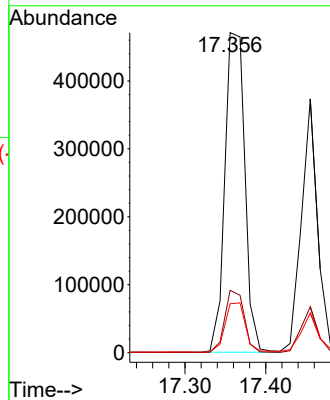
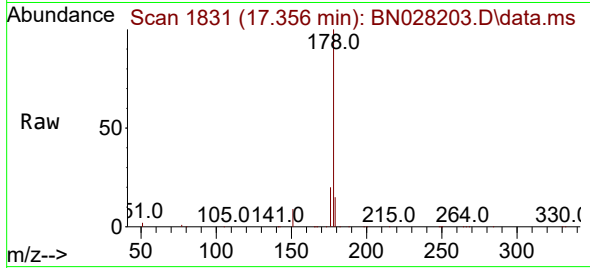




#25
Phenanthrene
Concen: 21.269 ng
RT: 17.356 min Scan# 1831
Delta R.T. -0.013 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

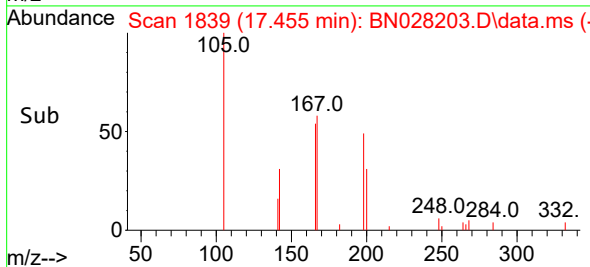
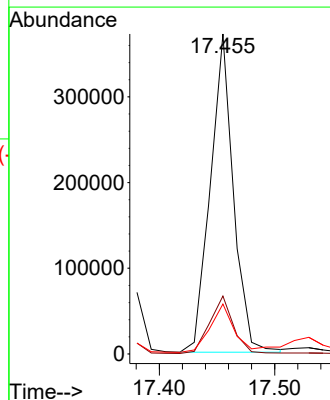
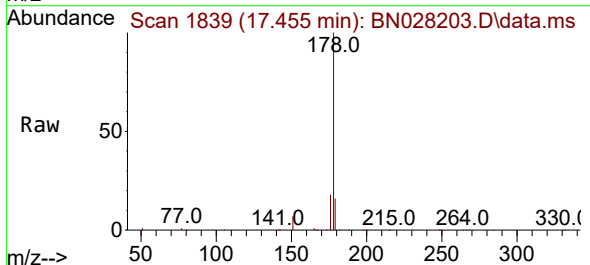
Instrument :
BNA_N
ClientSampleId :
W-1(0-2IN)

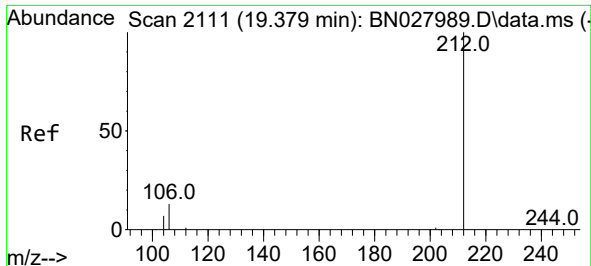
Tgt Ion:178 Resp: 812615
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.6 12.4 18.6



#26
Anthracene
Concen: 14.303 ng
RT: 17.455 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

Tgt Ion:178 Resp: 516548
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 16.5 12.2 18.2

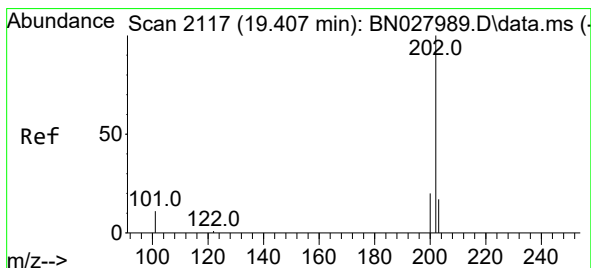
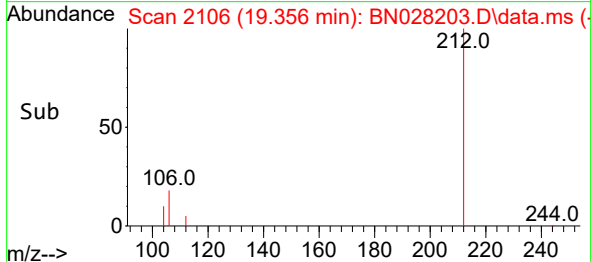
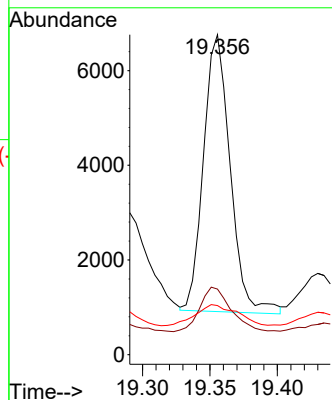
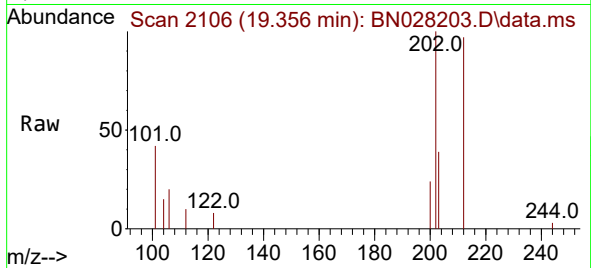




#27
Fluoranthene-d10
Concen: 0.226 ng
RT: 19.356 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

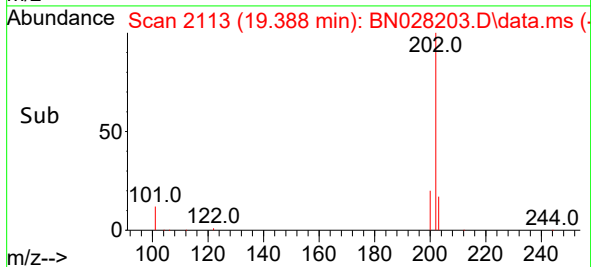
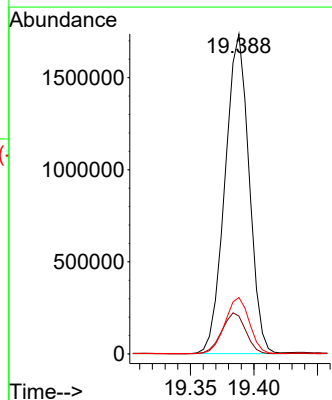
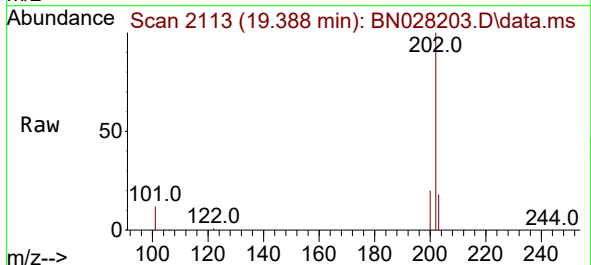
Instrument :
BNA_N
ClientSampleId :
W-1(0-2IN)

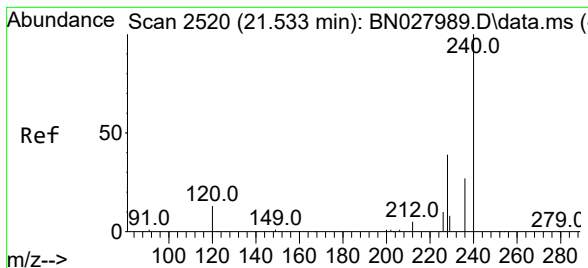
Tgt Ion:212 Resp: 8046
Ion Ratio Lower Upper
212 100
106 18.8 11.3 16.9#
104 12.2 6.4 9.6#



#28
Fluoranthene
Concen: 51.822 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.004 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

Tgt Ion:202 Resp: 2285052
Ion Ratio Lower Upper
202 100
101 12.8 9.8 14.6
203 17.8 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.515 min Scan# 2118

Delta R.T. -0.000 min

Lab File: BN028203.D

Acq: 10 Oct 2023 18:39

Instrument :

BNA_N

ClientSampleId :

W-1(0-2IN)

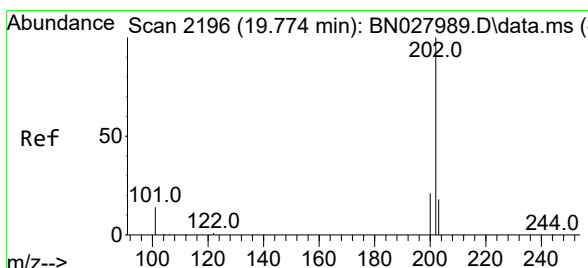
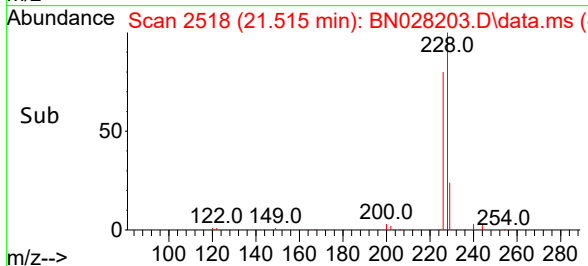
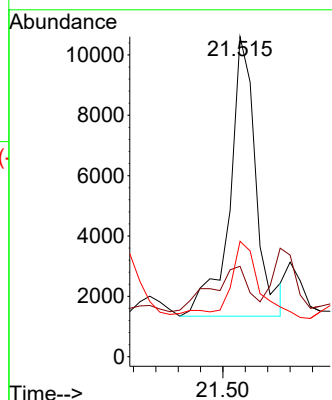
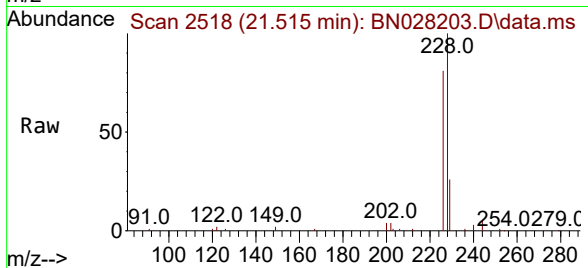
Tgt Ion:240 Resp: 15142

Ion Ratio Lower Upper

240 100

120 28.3 13.8 20.6#

236 36.1 22.6 33.8#



#30

Pyrene

Concen: 39.670 ng

RT: 19.755 min Scan# 2192

Delta R.T. 0.004 min

Lab File: BN028203.D

Acq: 10 Oct 2023 18:39

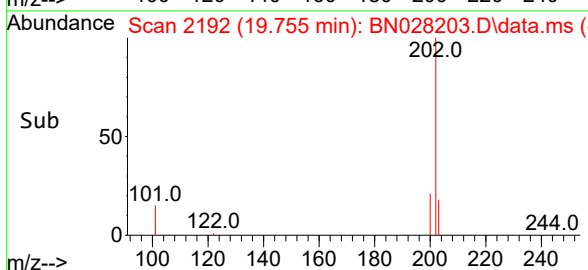
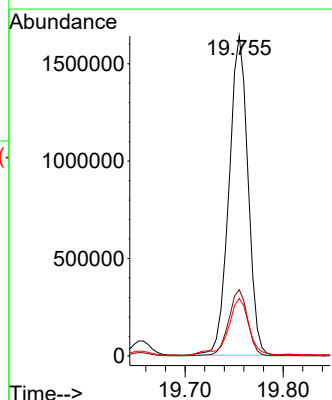
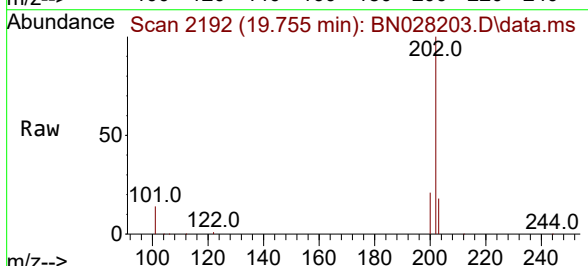
Tgt Ion:202 Resp: 2202641

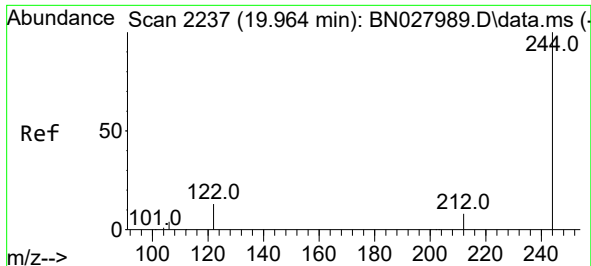
Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

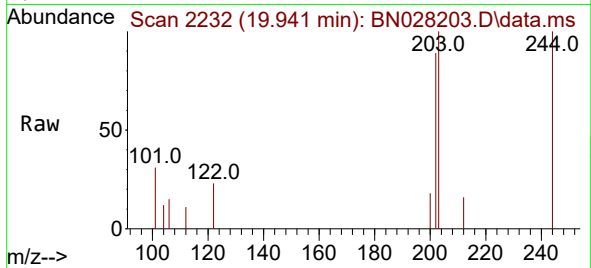
203 19.6 14.7 22.1



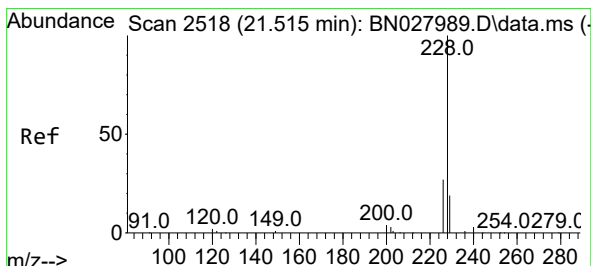
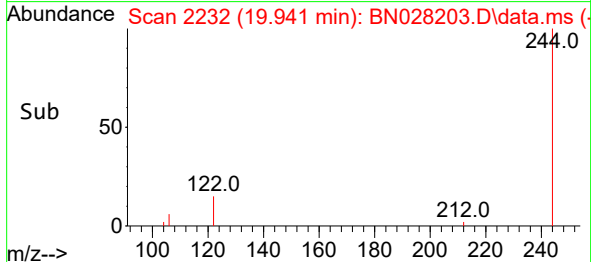
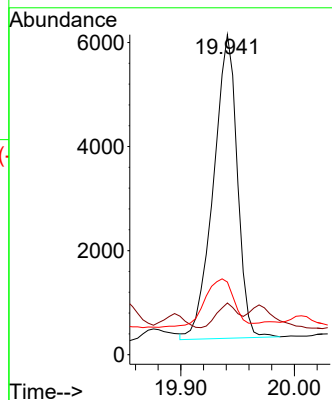


#31
 Terphenyl-d14
 Concen: 0.241 ng
 RT: 19.941 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN028203.D
 Acq: 10 Oct 2023 18:39

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

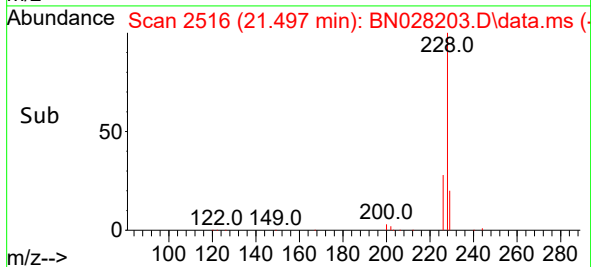
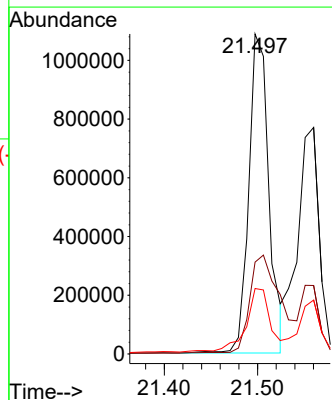
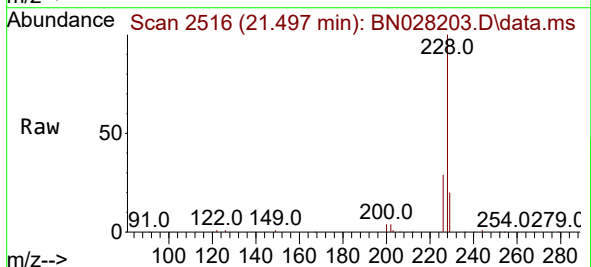


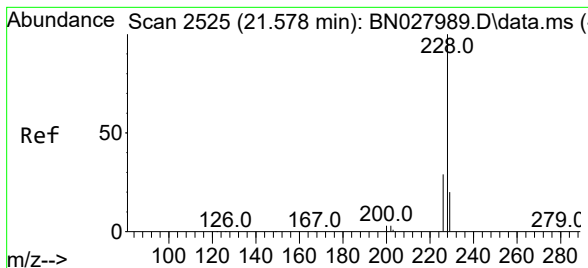
Tgt Ion:244 Resp: 8505
 Ion Ratio Lower Upper
 244 100
 212 16.1 6.6 9.8#
 122 22.7 11.4 17.0#



#32
 Benzo(a)anthracene
 Concen: 31.669 ng
 RT: 21.497 min Scan# 2516
 Delta R.T. -0.000 min
 Lab File: BN028203.D
 Acq: 10 Oct 2023 18:39

Tgt Ion:228 Resp: 1631764
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.0 33.0
 229 20.5 16.0 24.0





#33

Chrysene

Concen: 25.062 ng

RT: 21.560 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN028203.D

Acq: 10 Oct 2023 18:39

Instrument :

BNA_N

ClientSampleId :

W-1(0-2IN)

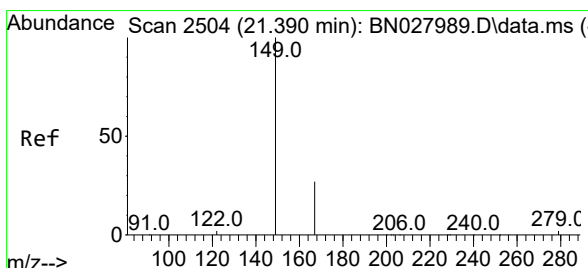
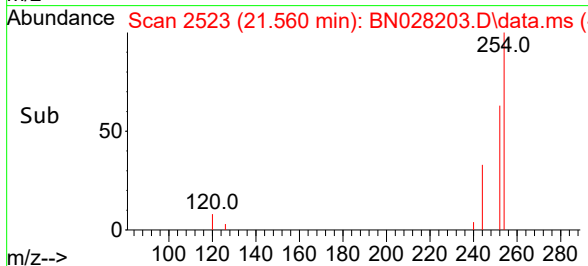
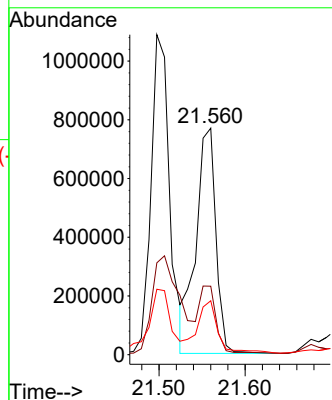
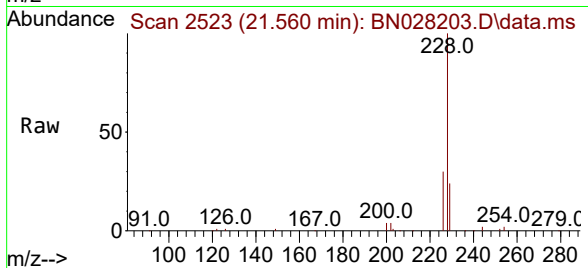
Tgt Ion:228 Resp: 1244466

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

229 23.8 16.6 25.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.462 ng

RT: 21.372 min Scan# 2502

Delta R.T. 0.009 min

Lab File: BN028203.D

Acq: 10 Oct 2023 18:39

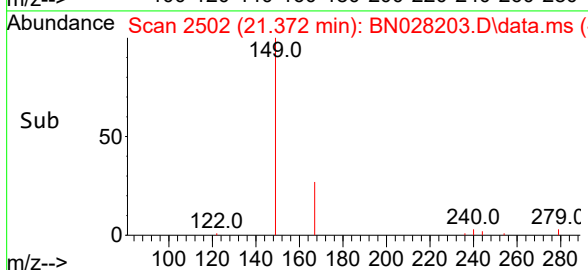
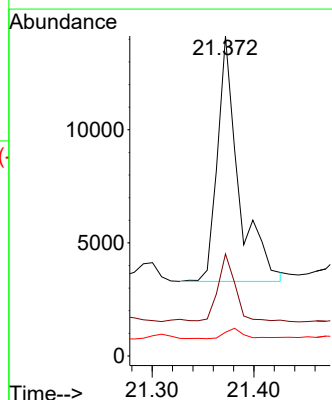
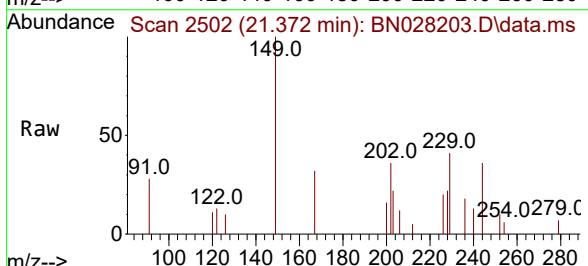
Tgt Ion:149 Resp: 15664

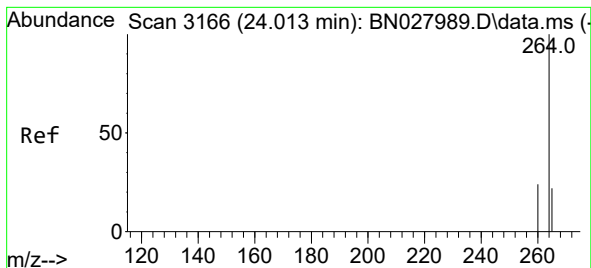
Ion Ratio Lower Upper

149 100

167 21.6 22.1 33.1#

279 3.7 3.4 5.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.984 min Scan# 3166

Delta R.T. 0.009 min

Lab File: BN028203.D

Acq: 10 Oct 2023 18:39

Instrument :

BNA_N

ClientSampleId :

W-1(0-2IN)

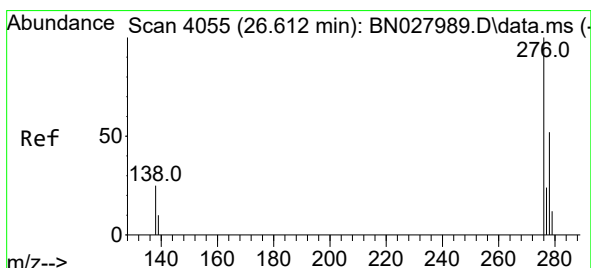
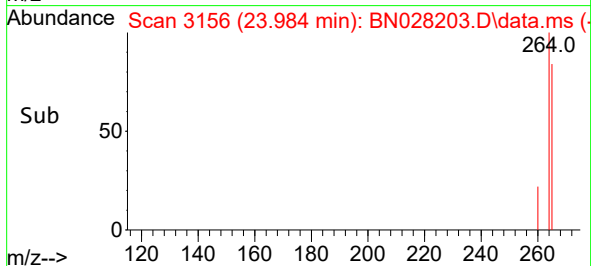
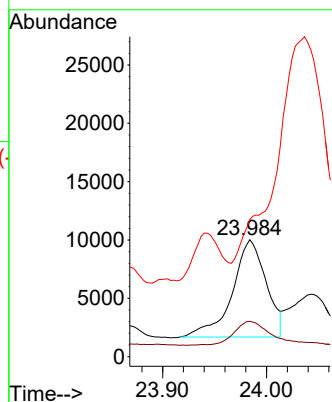
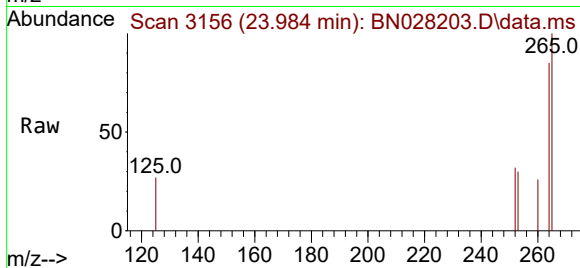
Tgt Ion:264 Resp: 18902

Ion Ratio Lower Upper

264 100

260 30.2 20.2 30.4

265 117.1 54.8 82.2#



#36

Indeno(1,2,3-cd)pyrene

Concen: 14.910 ng

RT: 26.577 min Scan# 4043

Delta R.T. 0.020 min

Lab File: BN028203.D

Acq: 10 Oct 2023 18:39

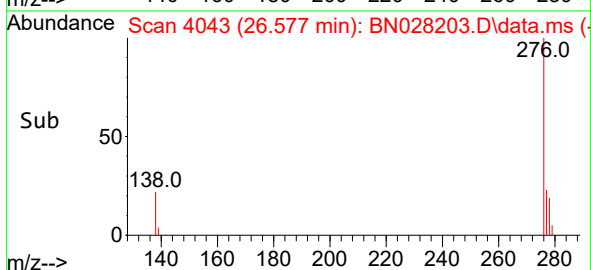
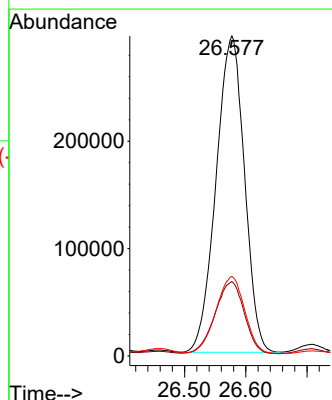
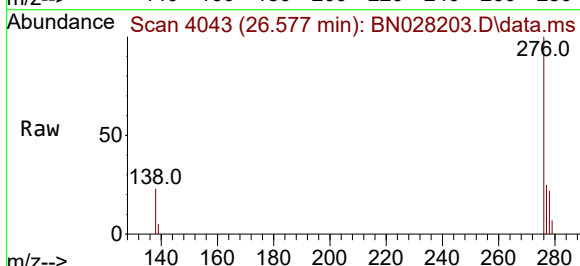
Tgt Ion:276 Resp: 947986

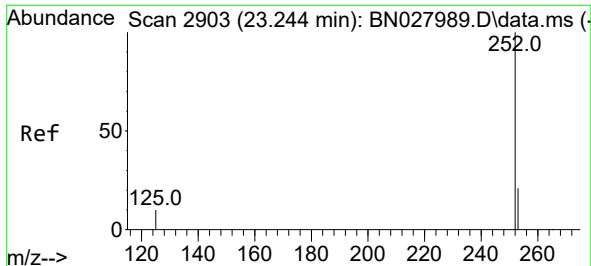
Ion Ratio Lower Upper

276 100

138 23.5 20.9 31.3

277 24.8 19.8 29.6

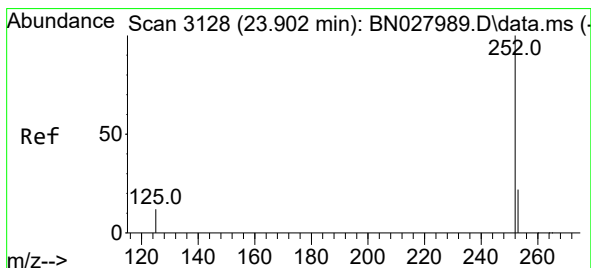
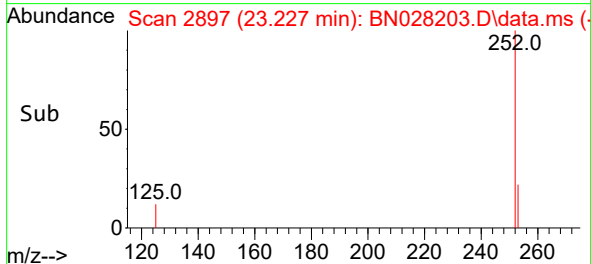
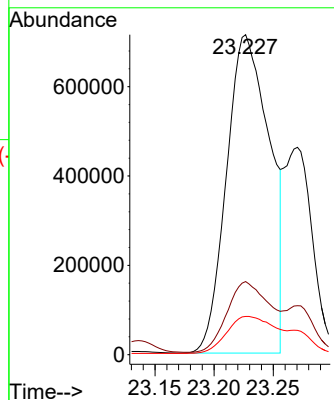
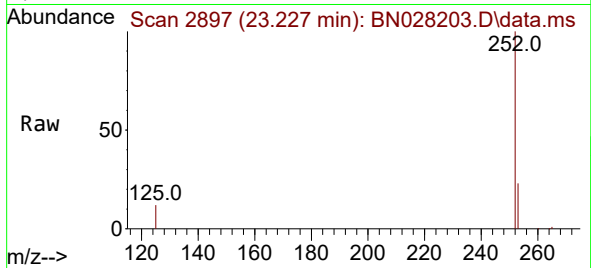




#37
Benzo(b)fluoranthene
Concen: 29.534 ng
RT: 23.227 min Scan# 21
Delta R.T. 0.014 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

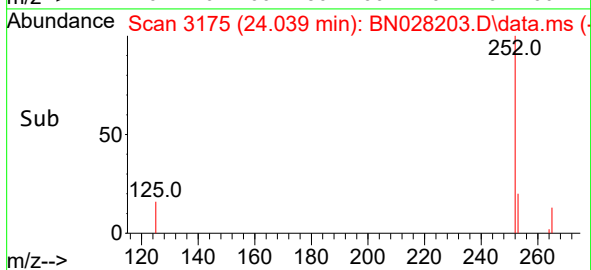
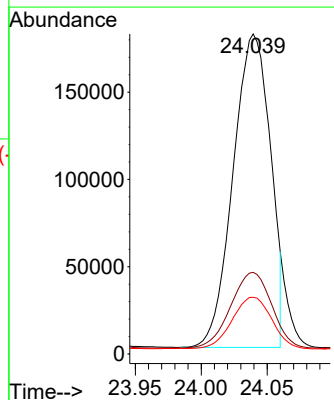
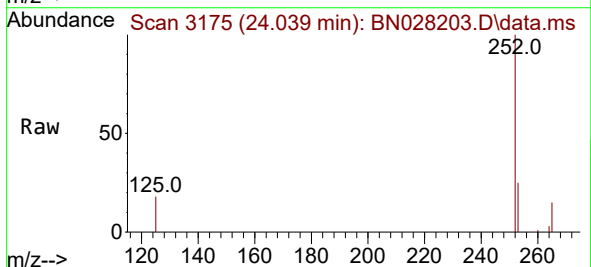
Instrument :
BNA_N
ClientSampleId :
W-1(0-2IN)

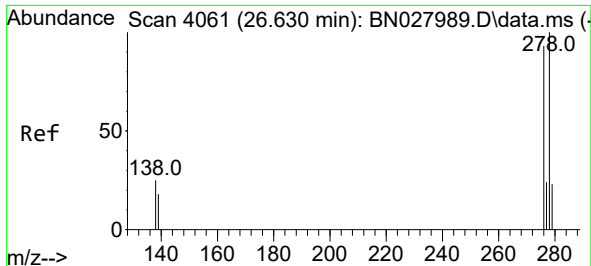
Tgt Ion:252 Resp: 1802939
Ion Ratio Lower Upper
252 100
253 22.9 22.9 34.3#
125 12.0 13.8 20.8#



#39
Benzo(a)pyrene
Concen: 6.115 ng
RT: 24.039 min Scan# 3175
Delta R.T. 0.175 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

Tgt Ion:252 Resp: 353004
Ion Ratio Lower Upper
252 100
253 25.5 25.0 37.4
125 17.7 16.6 24.8

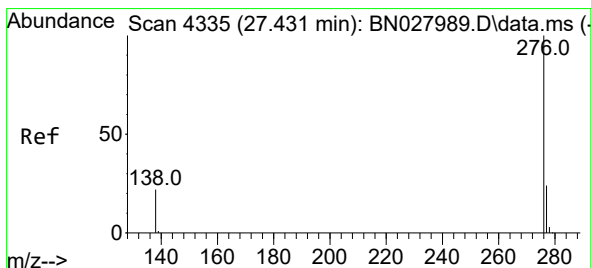
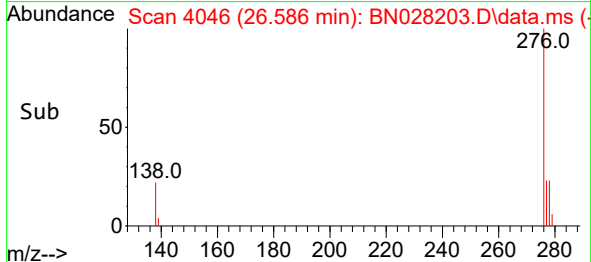
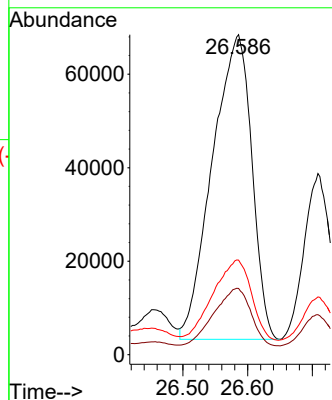
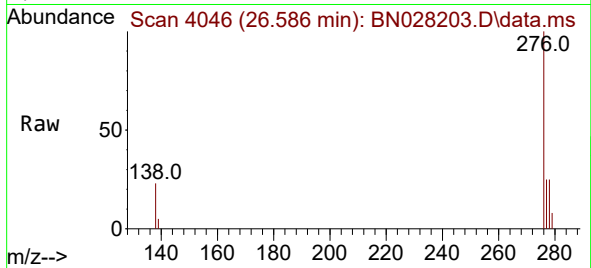




#40
Dibenzo(a,h)anthracene
Concen: 5.305 ng
RT: 26.586 min Scan# 4061
Delta R.T. 0.009 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

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

Tgt Ion:278 Resp: 275896
Ion Ratio Lower Upper
278 100
139 20.7 17.7 26.5
279 29.6 25.2 37.8



#41
Benzo(g,h,i)perylene
Concen: 16.622 ng
RT: 27.393 min Scan# 4322
Delta R.T. 0.026 min
Lab File: BN028203.D
Acq: 10 Oct 2023 18:39

Tgt Ion:276 Resp: 887412
Ion Ratio Lower Upper
276 100
277 24.6 22.1 33.1
138 23.9 20.8 31.2

