

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028388.D
 Acq On : 24 Oct 2023 23:38
 Operator : MA/JU
 Sample : 04938-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-2(0-2)

Quant Time: Oct 25 01:07:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:14:08 2023
 Response via : Initial Calibration

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

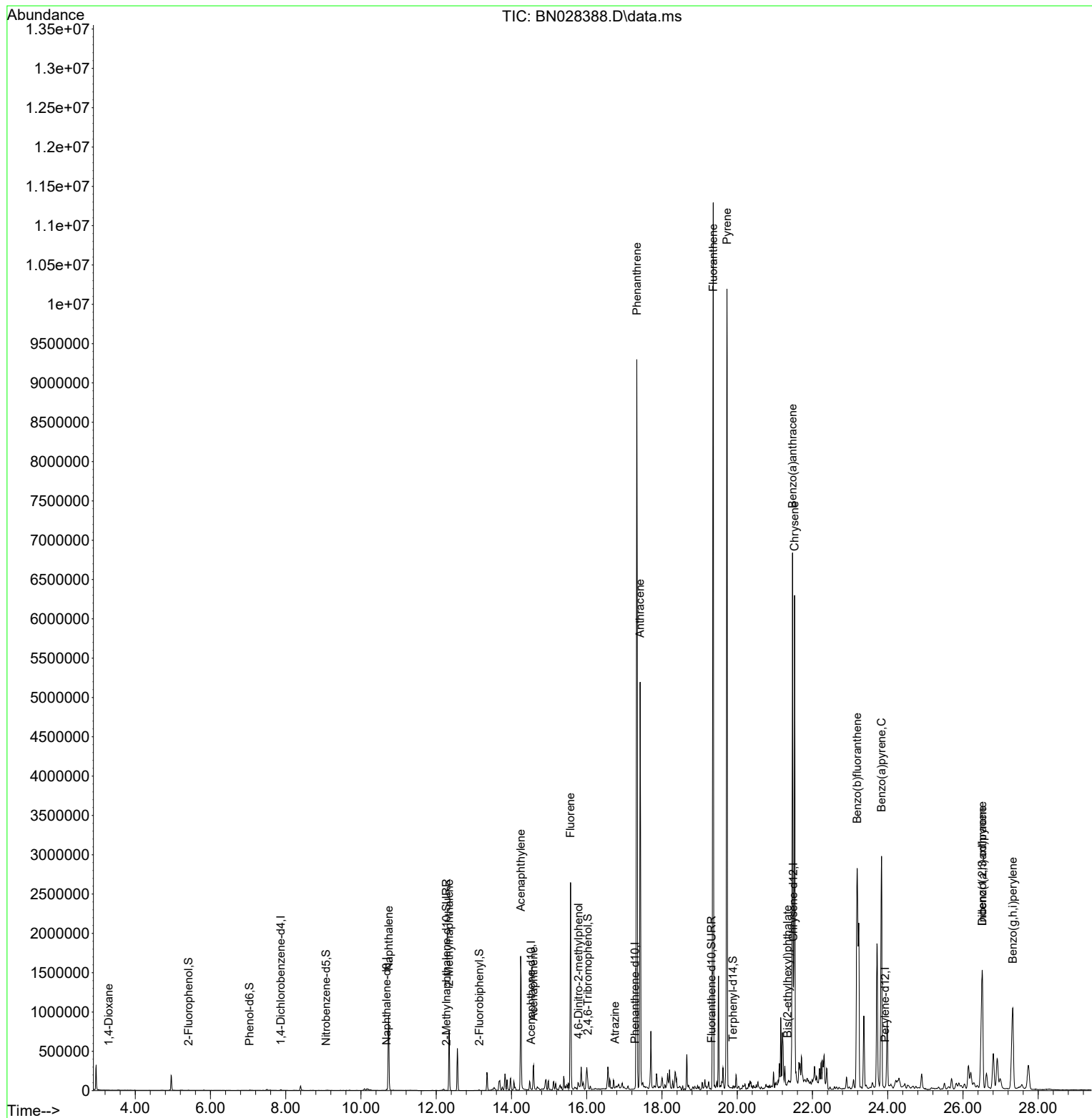
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	4676	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	15477	0.400	ng	-0.02
13) Acenaphthene-d10	14.523	164	10625	0.400	ng	-0.01
19) Phenanthrene-d10	17.281	188	12173	0.400	ng	#-0.01
29) Chrysene-d12	21.488	240	17092	0.400	ng	# 0.00
35) Perylene-d12	23.931	264	15532	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.415	112	3169	0.218	ng	-0.01
5) Phenol-d6	7.040	99	4213	0.236	ng	-0.01
8) Nitrobenzene-d5	9.070	82	3299	0.240	ng	-0.03
11) 2-Methylnaphthalene-d10	12.268	152	5311	0.228	ng	-0.03
14) 2,4,6-Tribromophenol	16.028	330	691	0.133	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	6778	0.181	ng	-0.02
27) Fluoranthene-d10	19.319	212	5126	0.157	ng	0.00
31) Terphenyl-d14	19.890	244	10937	0.301	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.292	88	133	0.024	ng	# 1
9) Naphthalene	10.735	128	1246988	31.062	ng	97
12) 2-Methylnaphthalene	12.343	142	515816	18.081	ng	100
16) Acenaphthylene	14.245	152	1965448	41.168	ng	99
17) Acenaphthene	14.587	154	167591	5.571	ng	96
18) Fluorene	15.568	166	1794571	45.316	ng	99
20) 4,6-Dinitro-2-methylph...	15.779	198	92	0.293	ng	# 1
23) Atrazine	16.748	200	221	0.038	ng	# 1
25) Phenanthrene	17.331	178	10826034	324.899	ng	99
26) Anthracene	17.418	178	5416451	170.194	ng	97
28) Fluoranthene	19.360	202	11318064	270.372	ng	97
30) Pyrene	19.727	202	9486482	162.202	ng	97
32) Benzo(a)anthracene	21.471	228	6161749	101.480	ng	96
33) Chrysene	21.524	228	5086053	87.518	ng	98
34) Bis(2-ethylhexyl)phtha...	21.336	149	20490	0.442	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.513	276	2716001	43.373	ng	97
37) Benzo(b)fluoranthene	23.189	252	5728574	117.996	ng	# 89
39) Benzo(a)pyrene	23.835	252	4533792	93.877	ng	# 87
40) Dibenzo(a,h)anthracene	26.513	278	813577	16.004	ng	96
41) Benzo(g,h,i)perylene	27.323	276	2404059	45.803	ng	94

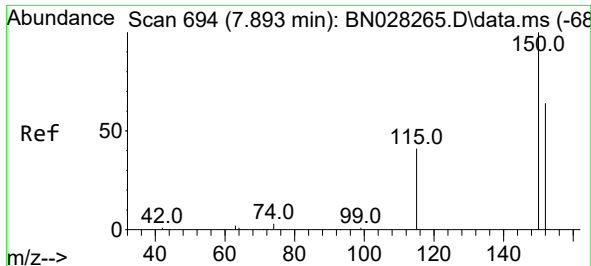
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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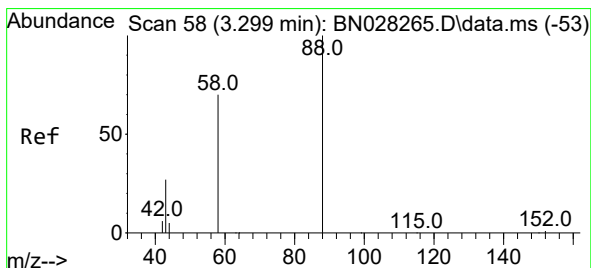
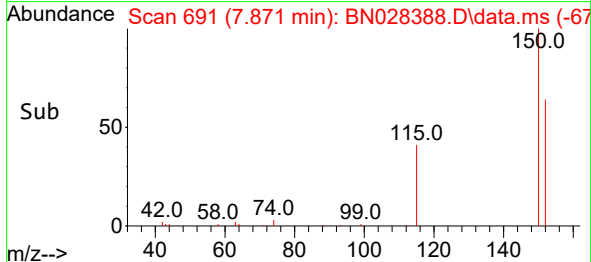
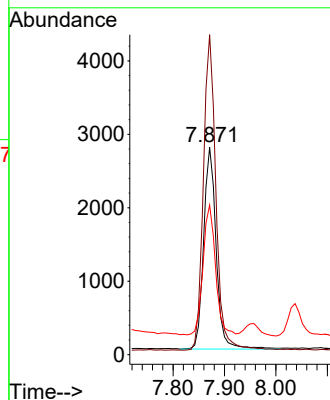
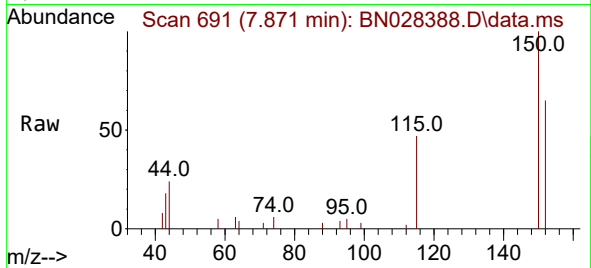




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.871 min Scan# 694
 Delta R.T. -0.007 min
 Lab File: BN028388.D
 Acq: 24 Oct 2023 23:38

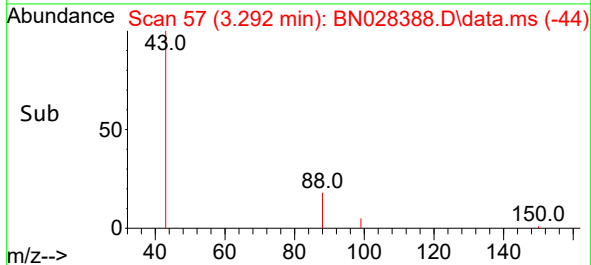
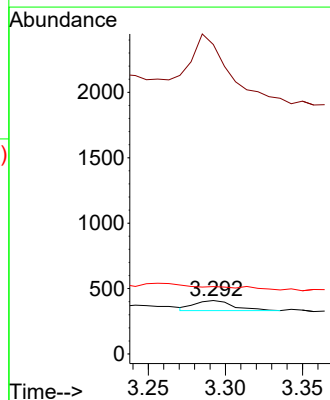
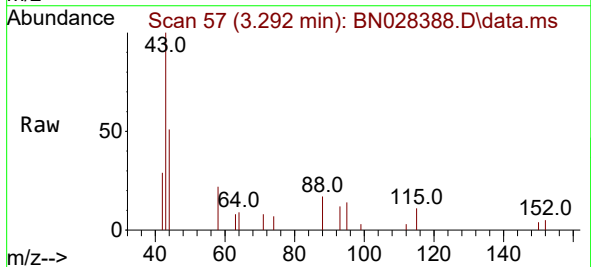
Instrument :
 BNA_N
 ClientSampleId :
 A-2(0-2)

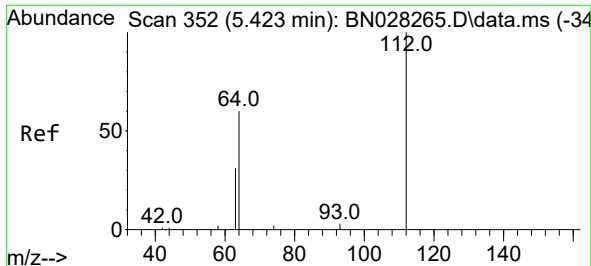
Tgt Ion:152 Resp: 4676
 Ion Ratio Lower Upper
 152 100
 150 154.2 121.6 182.4
 115 72.1 54.3 81.5



#2
 1,4-Dioxane
 Concen: 0.024 ng
 RT: 3.292 min Scan# 57
 Delta R.T. -0.007 min
 Lab File: BN028388.D
 Acq: 24 Oct 2023 23:38

Tgt Ion: 88 Resp: 133
 Ion Ratio Lower Upper
 88 100
 43 738.3 26.6 39.8#
 58 0.0 55.4 83.0#

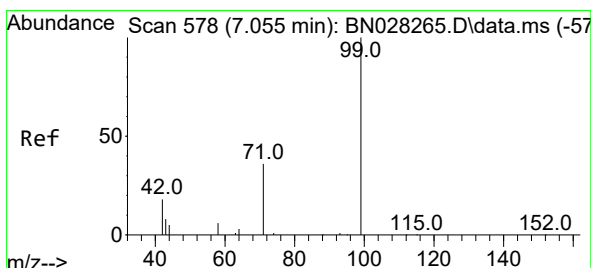
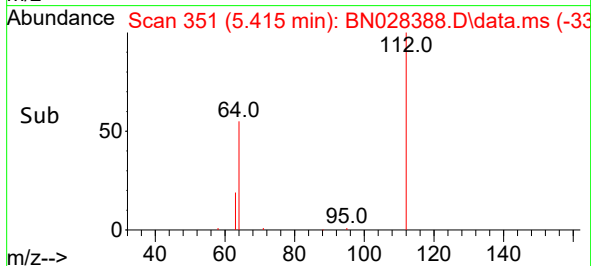
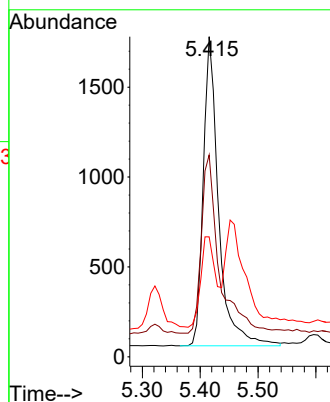
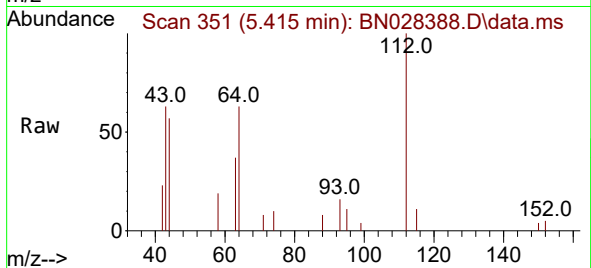




#4
2-Fluorophenol
Concen: 0.218 ng
RT: 5.415 min Scan# 31
Delta R.T. -0.014 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

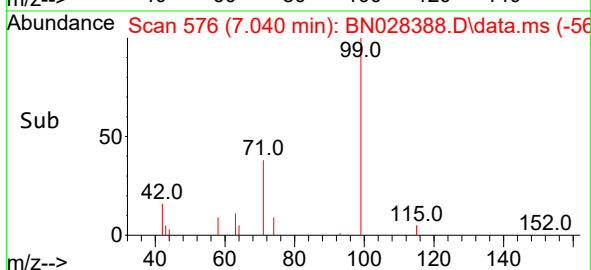
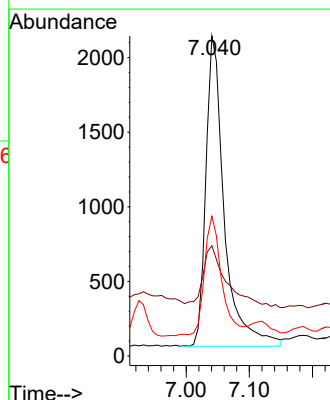
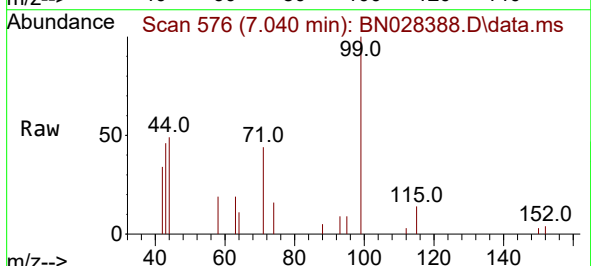
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)

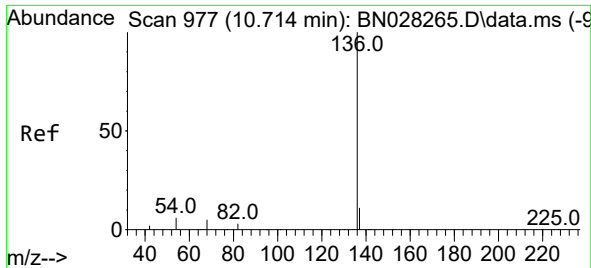
Tgt Ion:112 Resp: 3169
Ion Ratio Lower Upper
112 100
64 67.6 46.9 70.3
63 29.9 25.0 37.4



#5
Phenol-d6
Concen: 0.236 ng
RT: 7.040 min Scan# 576
Delta R.T. -0.014 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

Tgt Ion: 99 Resp: 4213
Ion Ratio Lower Upper
99 100
42 25.8 15.9 23.9#
71 36.9 28.6 42.8

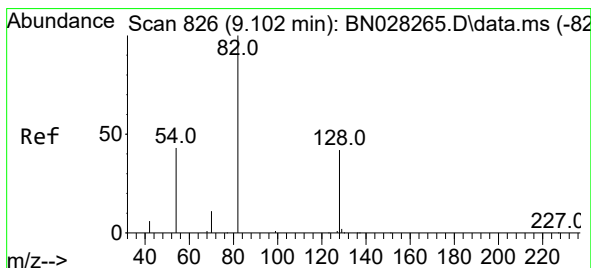
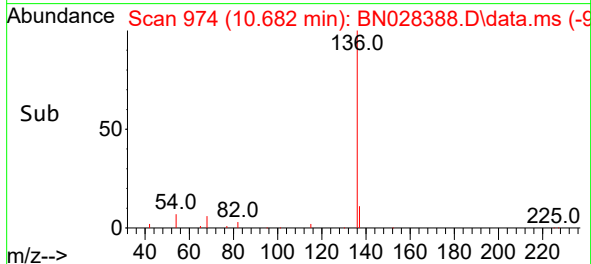
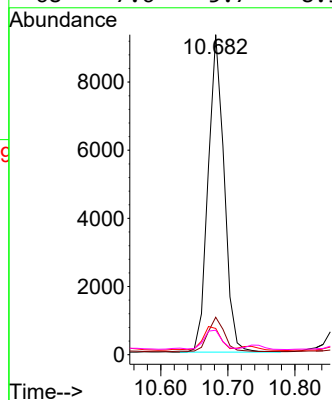
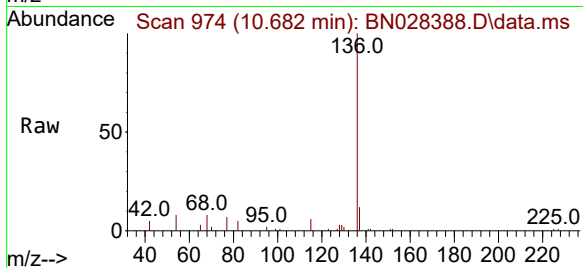




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

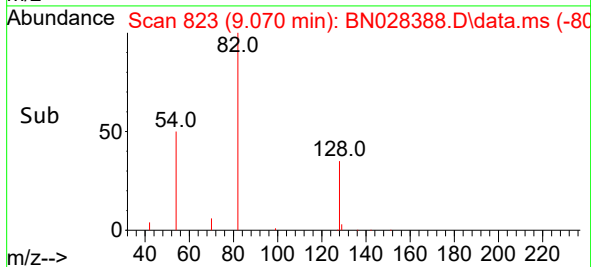
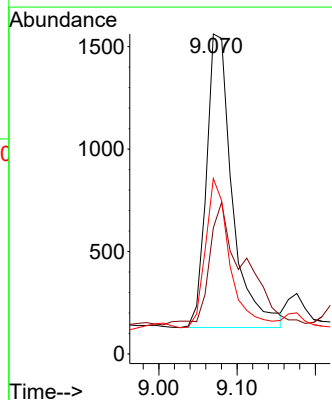
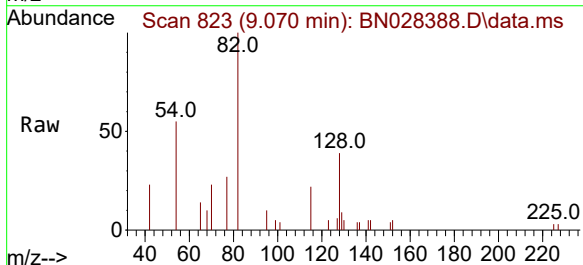
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)

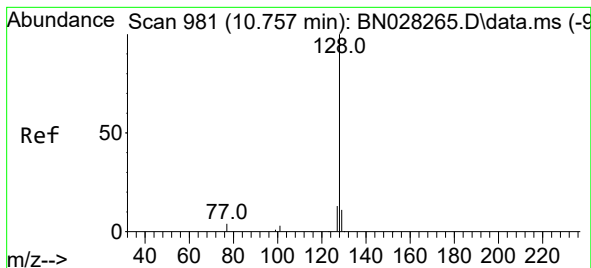
Tgt Ion:	136	Resp:	15477
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.8	14.8
54	8.2	6.2	9.4
68	7.6	5.7	8.5



#8
Nitrobenzene-d5
Concen: 0.240 ng
RT: 9.070 min Scan# 823
Delta R.T. -0.032 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

Tgt Ion:	82	Resp:	3299
Ion Ratio	Lower	Upper	
82	100		
128	39.4	36.8	55.2
54	54.9	37.4	56.2





#9

Naphthalene

Concen: 31.062 ng

RT: 10.735 min Scan# 91

Delta R.T. -0.021 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

Instrument :

BNA_N

ClientSampleId :

A-2(0-2)

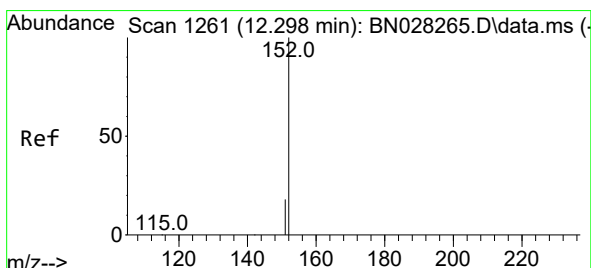
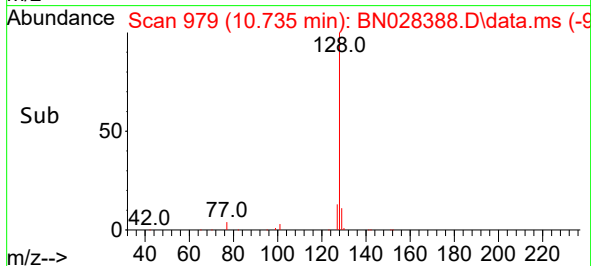
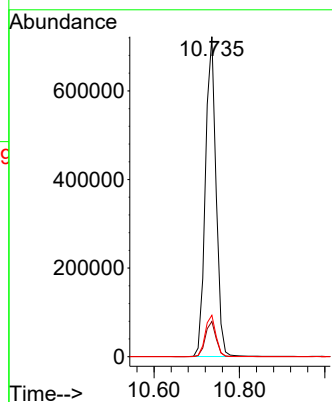
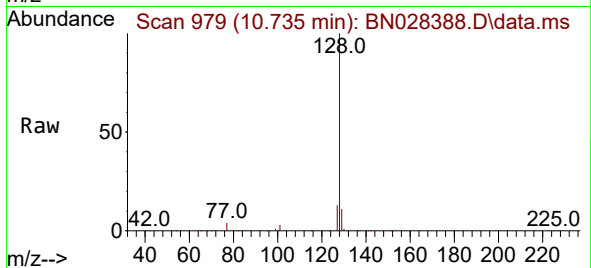
Tgt Ion:128 Resp: 1246988

Ion Ratio Lower Upper

128 100

129 11.0 9.8 14.6

127 12.9 11.4 17.0



#11

2-Methylnaphthalene-d10

Concen: 0.228 ng

RT: 12.268 min Scan# 1253

Delta R.T. -0.026 min

Lab File: BN028388.D

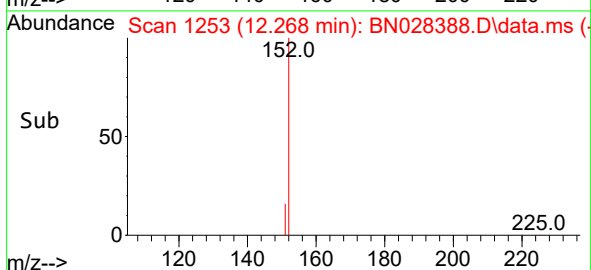
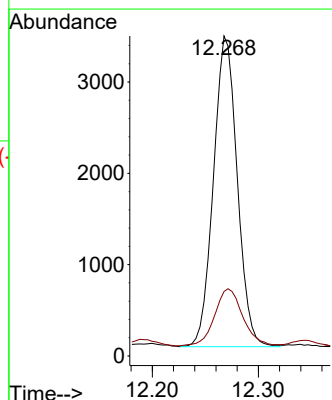
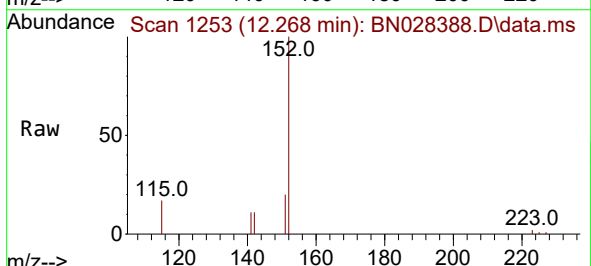
Acq: 24 Oct 2023 23:38

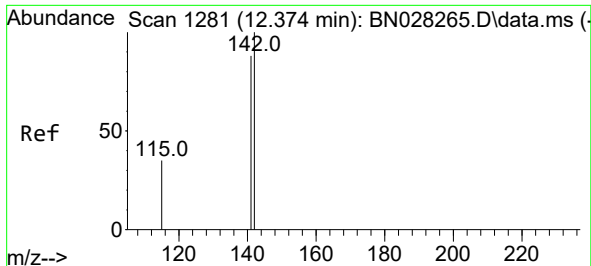
Tgt Ion:152 Resp: 5311

Ion Ratio Lower Upper

152 100

151 21.8 16.1 24.1

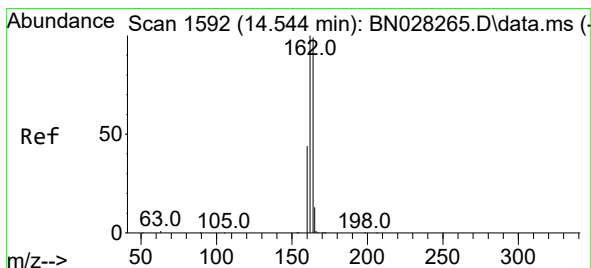
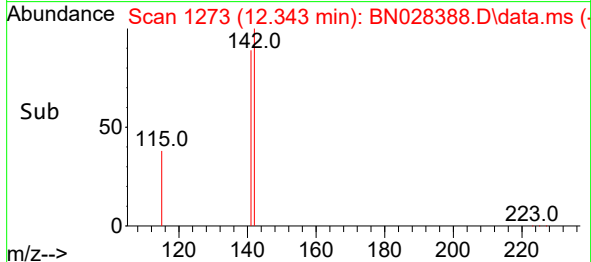
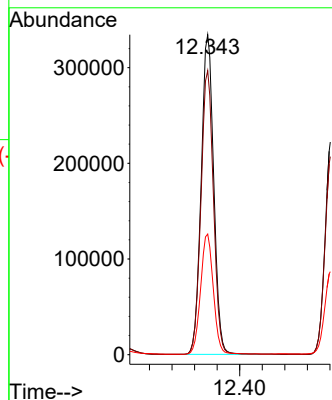
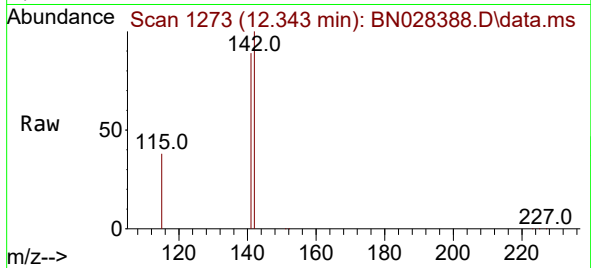




#12
2-Methylnaphthalene
Concen: 18.081 ng
RT: 12.343 min Scan# 11
Delta R.T. -0.026 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

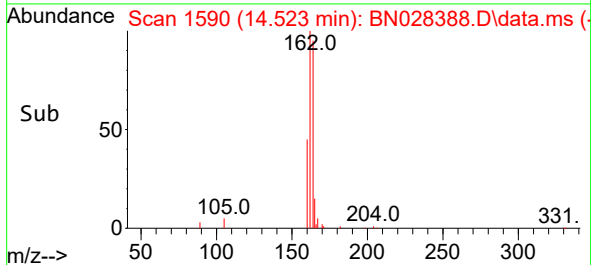
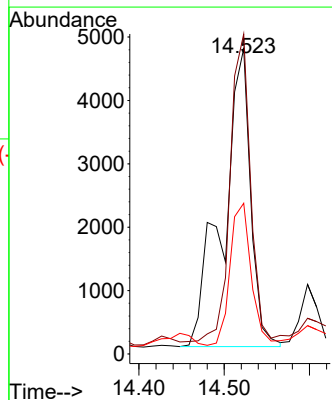
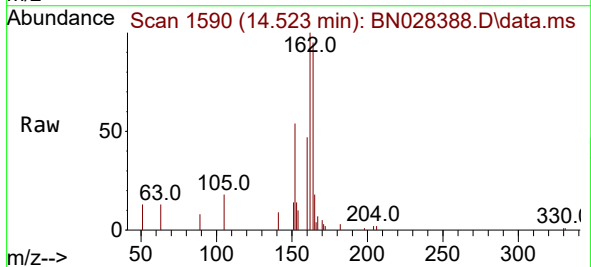
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ClientSampleId :
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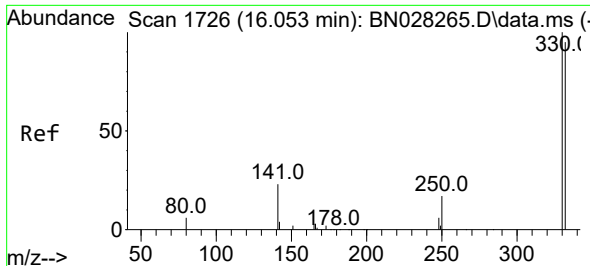
Tgt Ion:142 Resp: 515816
Ion Ratio Lower Upper
142 100
141 88.8 71.1 106.7
115 37.7 29.9 44.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 1590
Delta R.T. -0.011 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

Tgt Ion:164 Resp: 10625
Ion Ratio Lower Upper
164 100
162 104.8 81.1 121.7
160 49.4 36.6 54.8

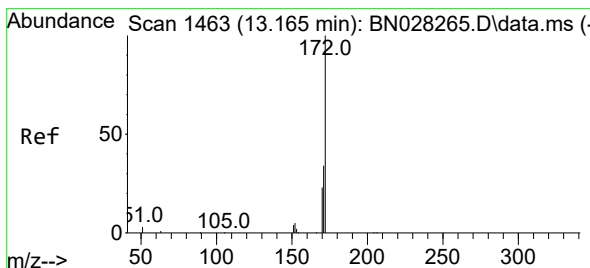
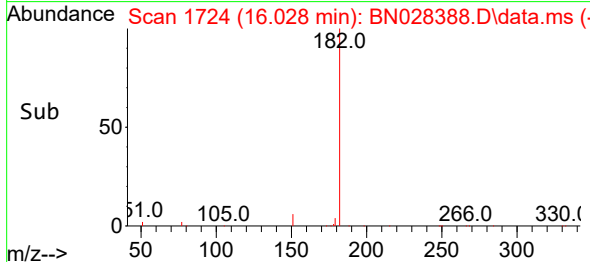
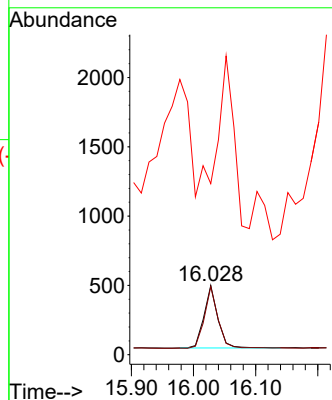
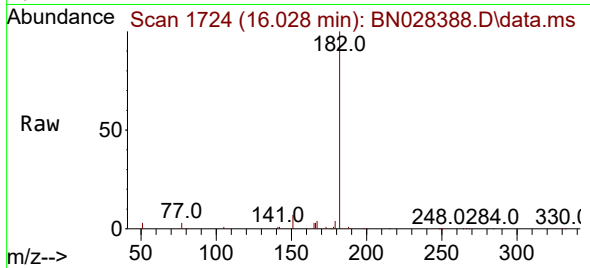




#14
2,4,6-Tribromophenol
Concen: 0.133 ng
RT: 16.028 min Scan# 1
Delta R.T. -0.037 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

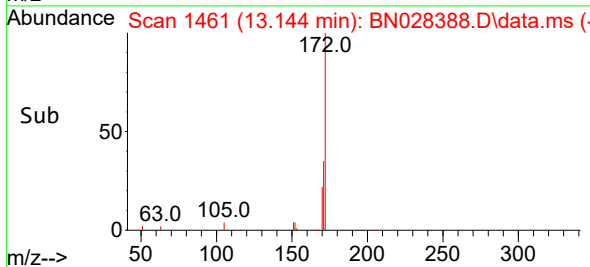
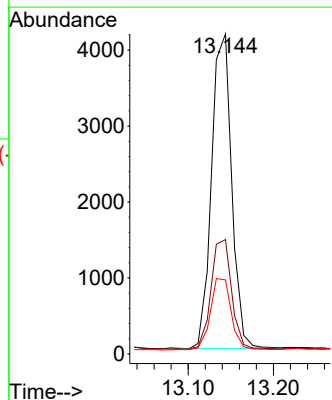
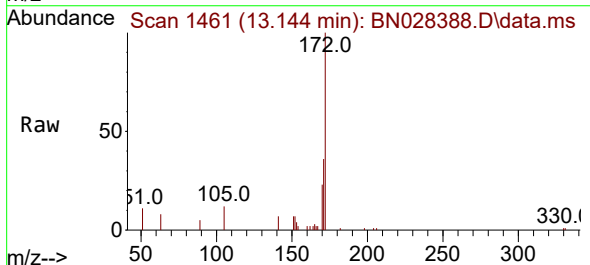
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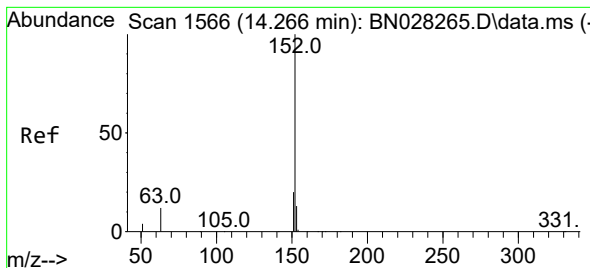
Tgt Ion:330 Resp: 691
Ion Ratio Lower Upper
330 100
332 98.0 74.1 111.1
141 0.0 32.1 48.1#



#15
2-Fluorobiphenyl
Concen: 0.181 ng
RT: 13.144 min Scan# 1461
Delta R.T. -0.021 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

Tgt Ion:172 Resp: 6778
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.2 18.7 28.1





#16

Acenaphthylene

Concen: 41.168 ng

RT: 14.245 min Scan# 1564

Delta R.T. -0.011 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

Instrument :

BNA_N

ClientSampleId :

A-2(0-2)

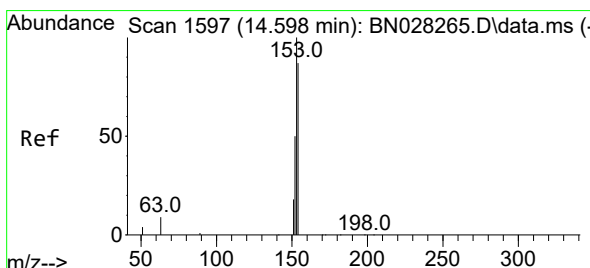
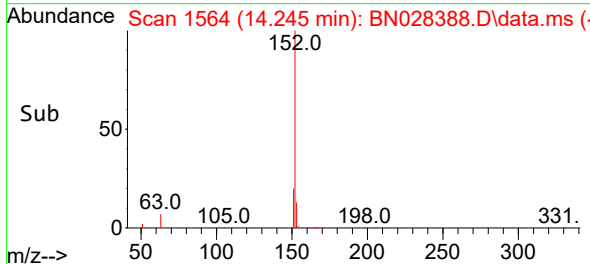
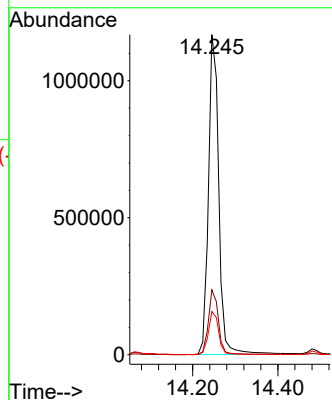
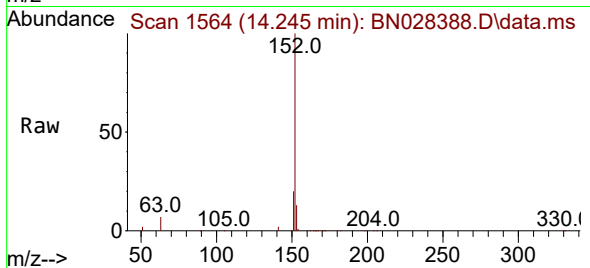
Tgt Ion:152 Resp: 1965448

Ion Ratio Lower Upper

152 100

151 19.8 15.6 23.4

153 13.4 10.6 16.0



#17

Acenaphthene

Concen: 5.571 ng

RT: 14.587 min Scan# 1596

Delta R.T. -0.011 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

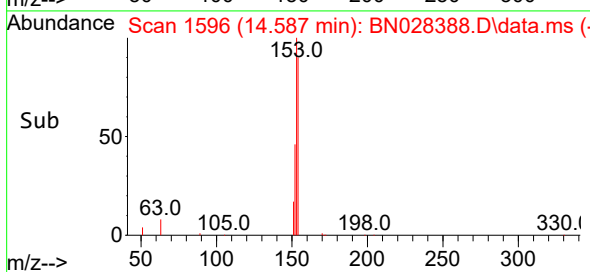
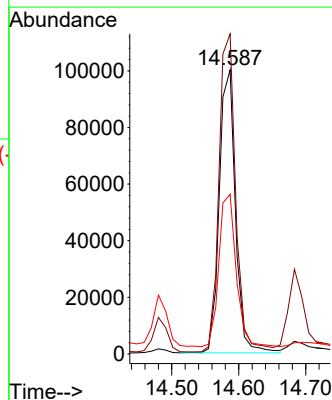
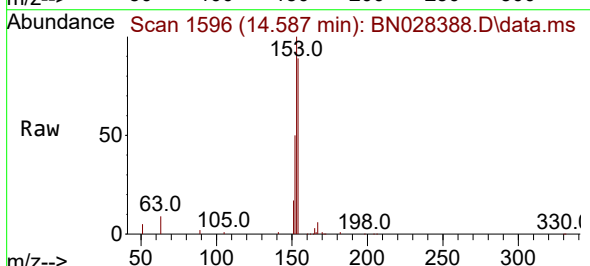
Tgt Ion:154 Resp: 167591

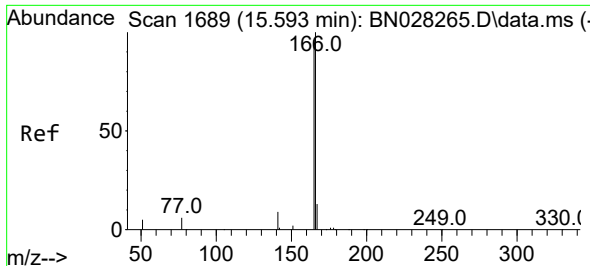
Ion Ratio Lower Upper

154 100

153 116.6 90.7 136.1

152 58.0 43.6 65.4

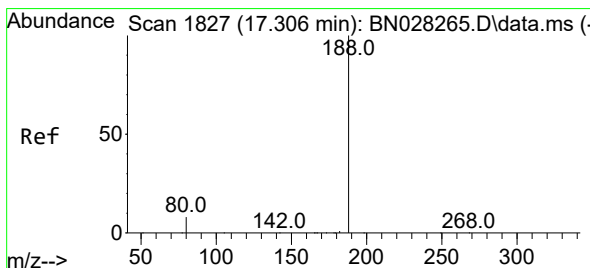
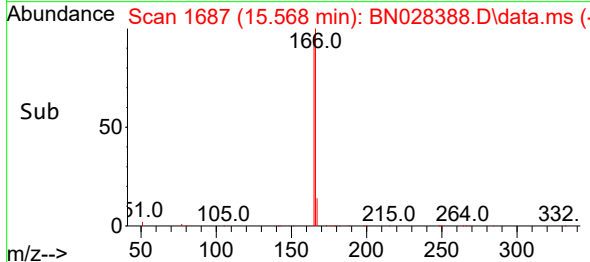
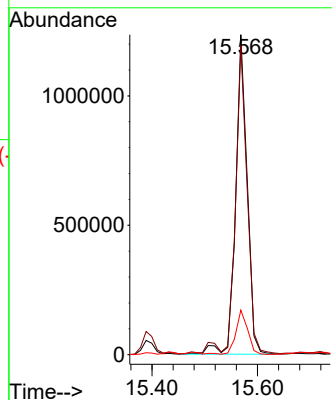
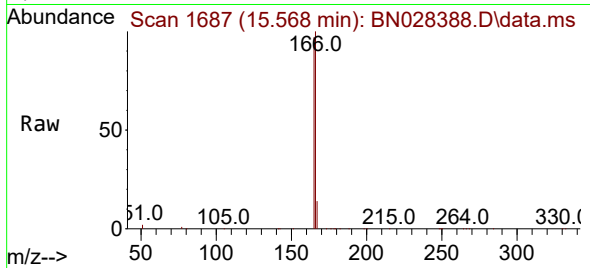




#18
 Fluorene
 Concen: 45.316 ng
 RT: 15.568 min Scan# 1687
 Delta R.T. -0.012 min
 Lab File: BN028388.D
 Acq: 24 Oct 2023 23:38

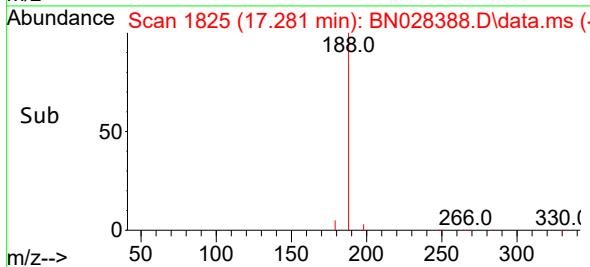
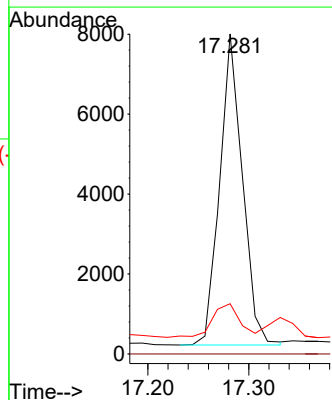
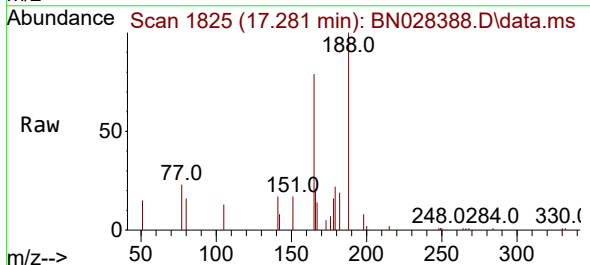
Instrument :
 BNA_N
 ClientSampleId :
 A-2(0-2)

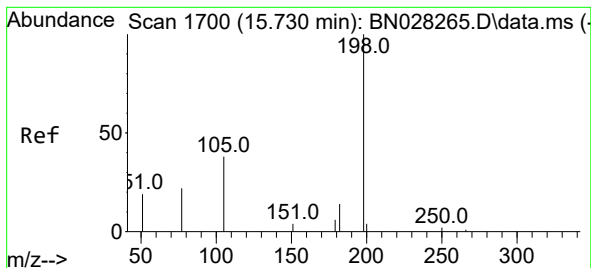
Tgt Ion:166 Resp: 1794571
 Ion Ratio Lower Upper
 166 100
 165 98.5 79.3 118.9
 167 14.6 10.9 16.3



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.281 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BN028388.D
 Acq: 24 Oct 2023 23:38

Tgt Ion:188 Resp: 12173
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 15.7 7.1 10.7#

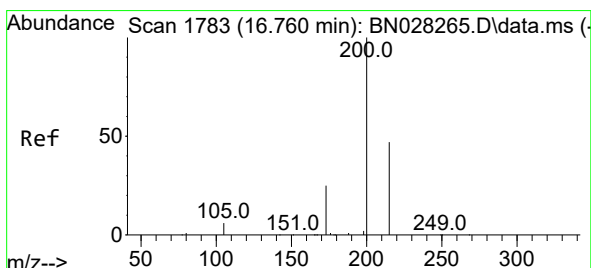
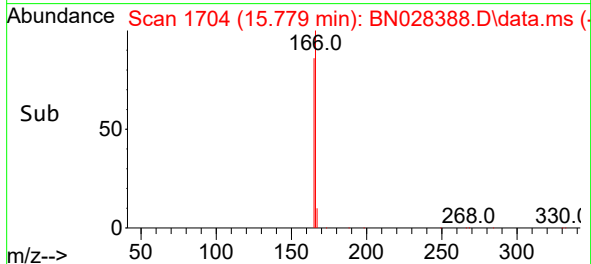
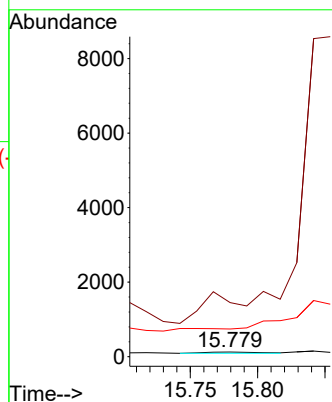
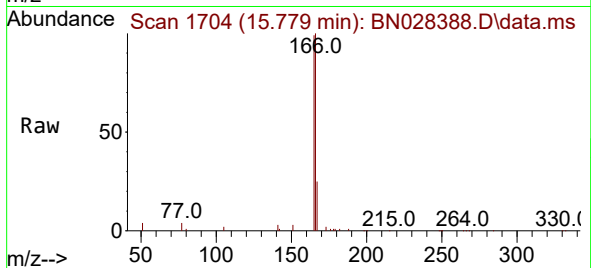




#20
4,6-Dinitro-2-methylphenol
Concen: 0.293 ng
RT: 15.779 min Scan# 1704
Delta R.T. -0.025 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

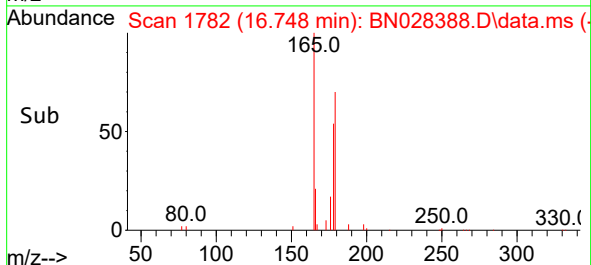
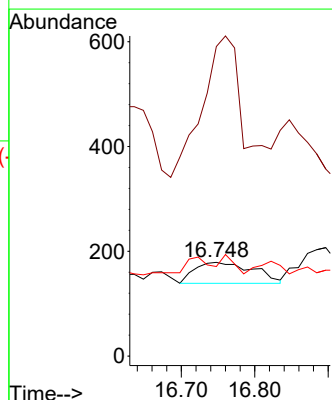
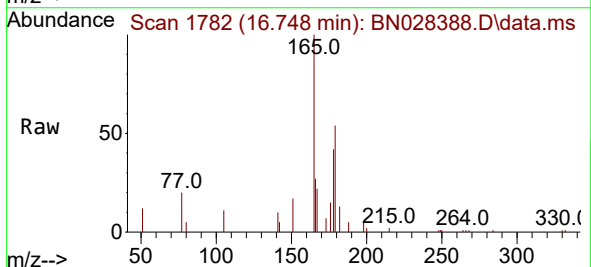
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)

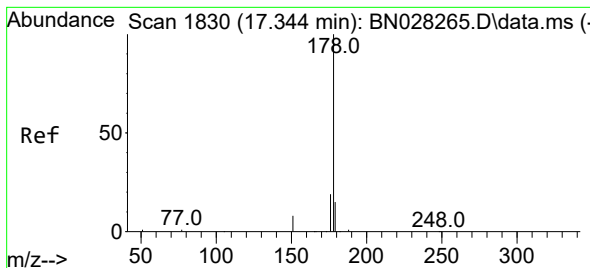
Tgt Ion:198 Resp: 92
Ion Ratio Lower Upper
198 100
51 1180.5 96.1 144.1#
105 604.9 75.4 113.0#



#23
Atrazine
Concen: 0.038 ng
RT: 16.748 min Scan# 1782
Delta R.T. -0.012 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

Tgt Ion:200 Resp: 221
Ion Ratio Lower Upper
200 100
173 330.2 21.6 32.4#
215 95.5 39.0 58.6#





#25

Phenanthrene

Concen: 324.899 ng

RT: 17.331 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

Instrument :

BNA_N

ClientSampleId :

A-2(0-2)

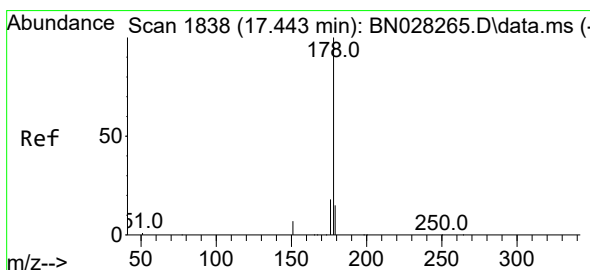
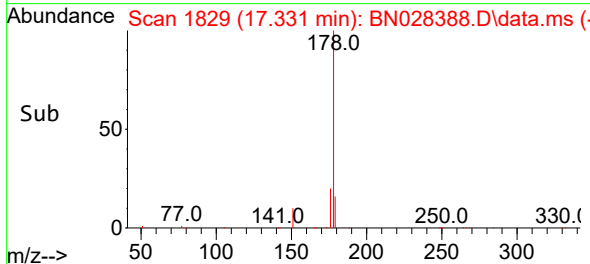
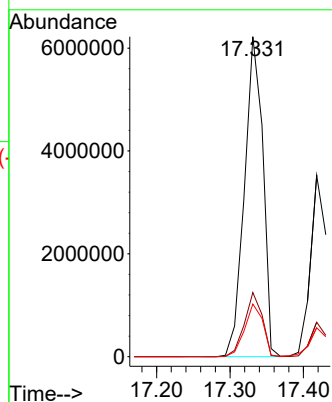
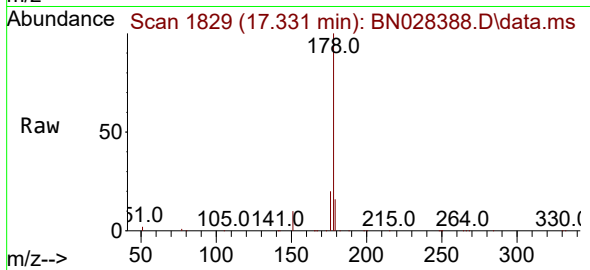
Tgt Ion:178 Resp:10826034

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 16.4 12.5 18.7



#26

Anthracene

Concen: 170.194 ng

RT: 17.418 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

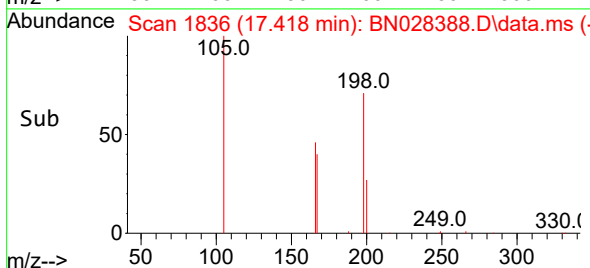
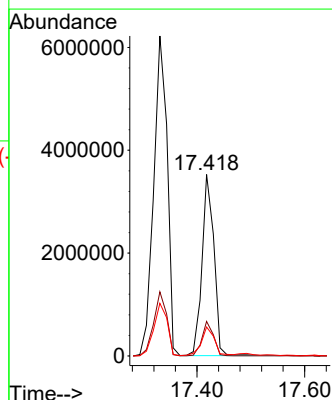
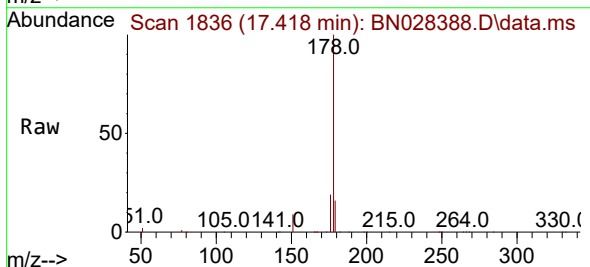
Tgt Ion:178 Resp: 5416451

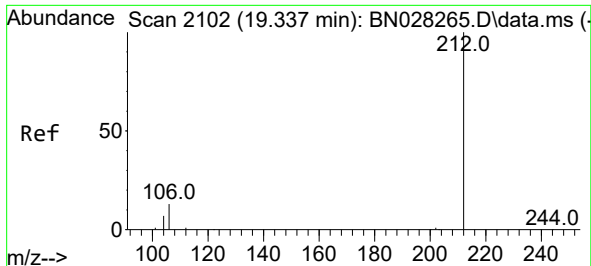
Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

179 17.4 12.2 18.4

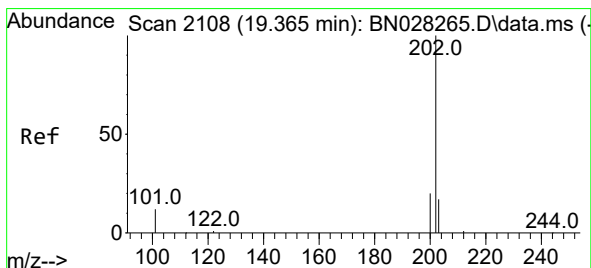
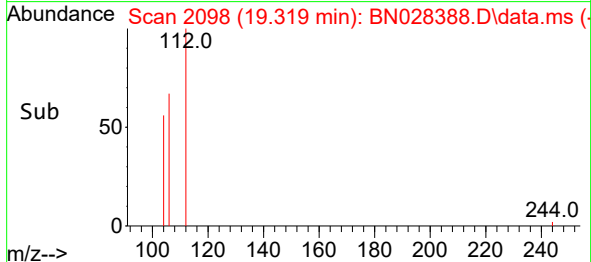
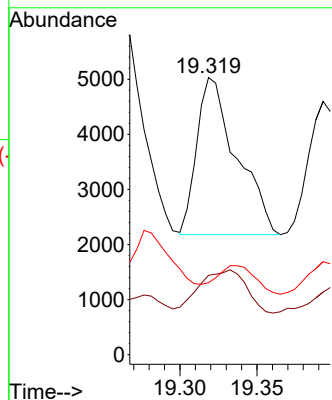
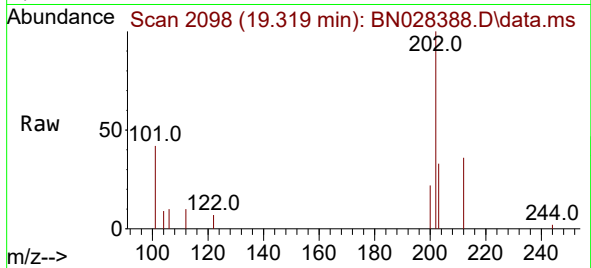




#27
Fluoranthene-d10
Concen: 0.157 ng
RT: 19.319 min Scan# 2102
Delta R.T. -0.009 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

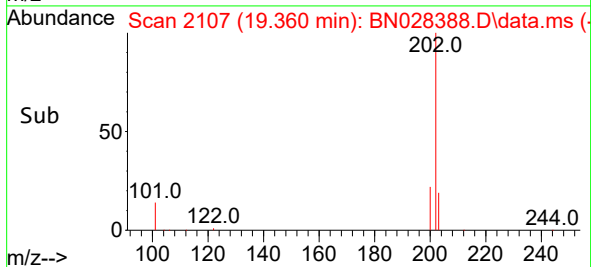
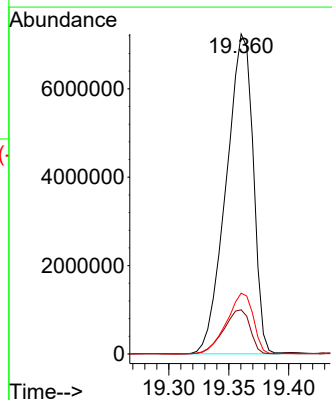
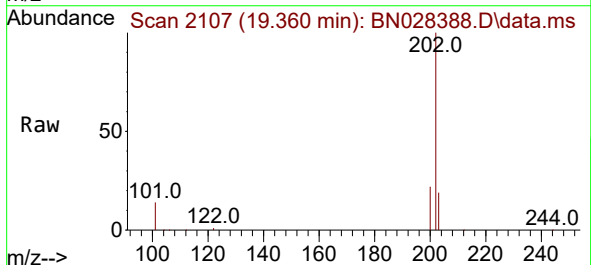
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)

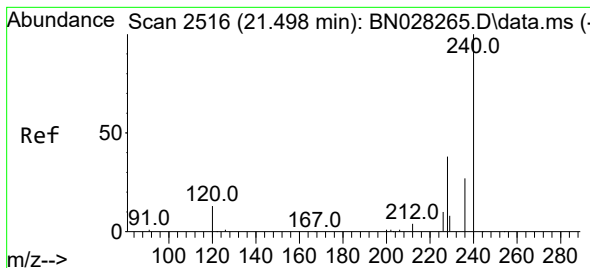
Tgt Ion:212 Resp: 5126
Ion Ratio Lower Upper
212 100
106 32.2 11.5 17.3#
104 17.3 6.7 10.1#



#28
Fluoranthene
Concen: 270.372 ng
RT: 19.360 min Scan# 2107
Delta R.T. 0.005 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

Tgt Ion:202 Resp:11318064
Ion Ratio Lower Upper
202 100
101 13.6 10.1 15.1
203 18.6 13.9 20.9





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.488 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

Instrument :

BNA_N

ClientSampleId :

A-2(0-2)

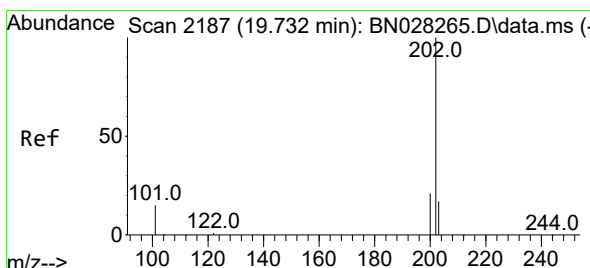
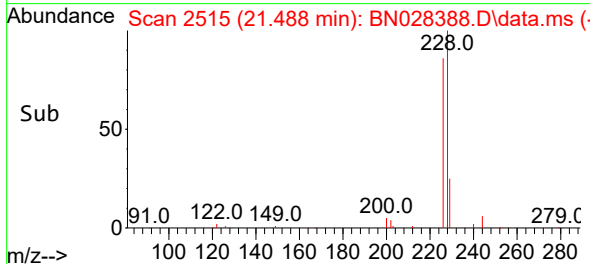
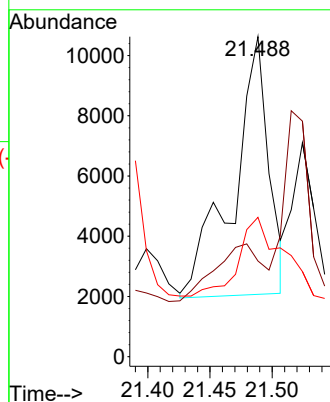
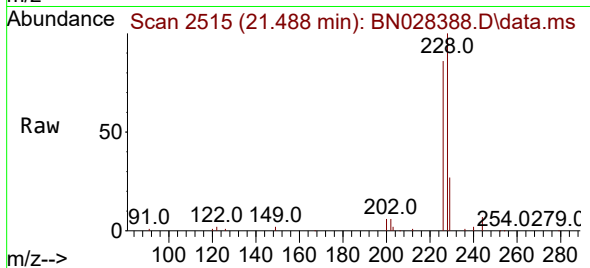
Tgt Ion:240 Resp: 17092

Ion Ratio Lower Upper

240 100

120 29.9 13.4 20.0#

236 43.5 22.7 34.1#



#30

Pyrene

Concen: 162.202 ng

RT: 19.727 min Scan# 2186

Delta R.T. 0.000 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

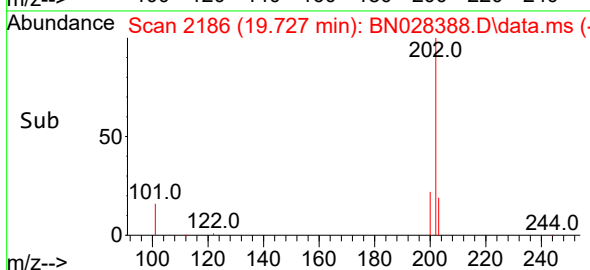
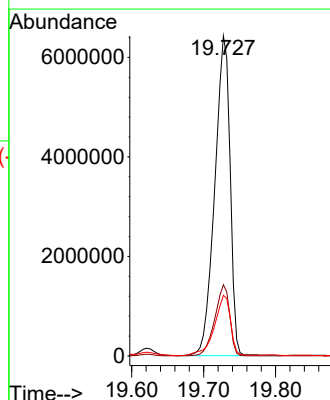
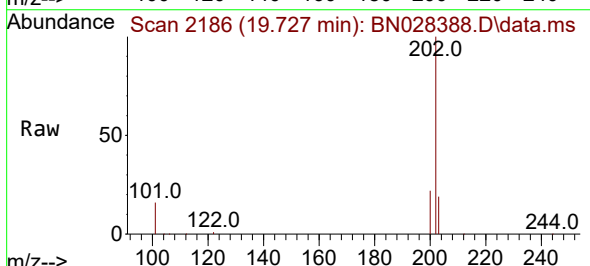
Tgt Ion:202 Resp: 9486482

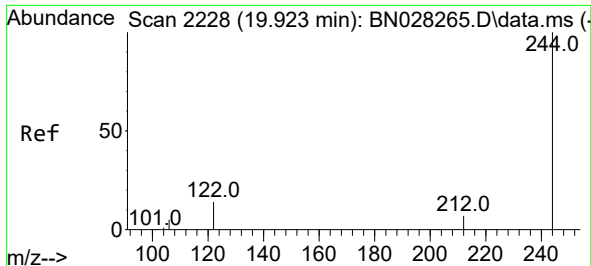
Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

203 19.8 14.5 21.7

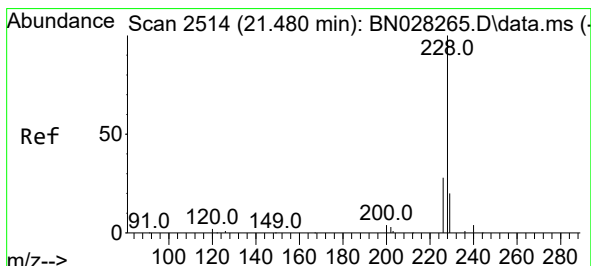
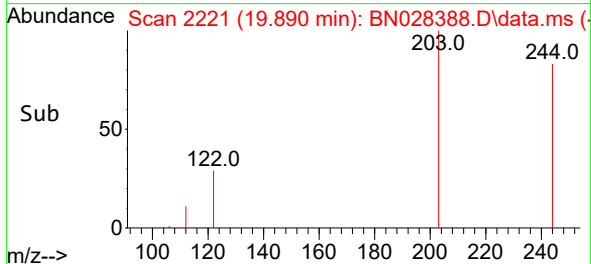
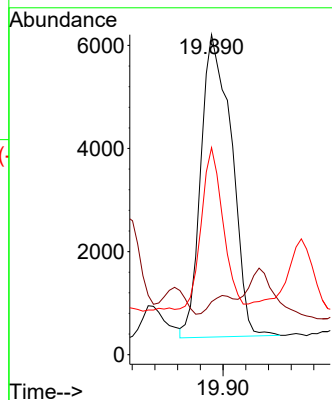
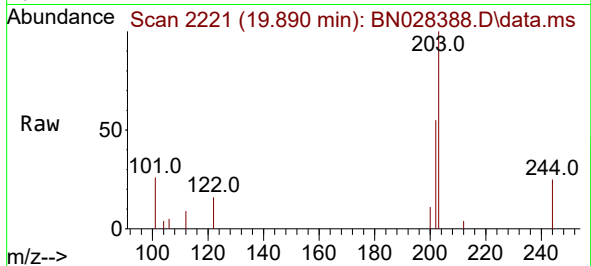




#31
 Terphenyl-d14
 Concen: 0.301 ng
 RT: 19.890 min Scan# 21
 Delta R.T. -0.028 min
 Lab File: BN028388.D
 Acq: 24 Oct 2023 23:38

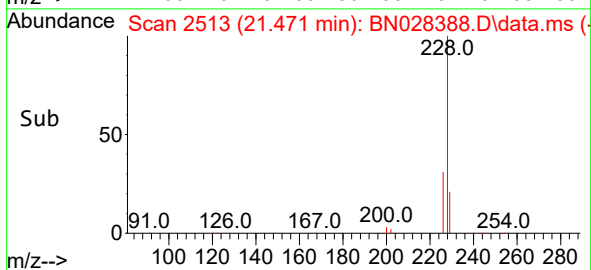
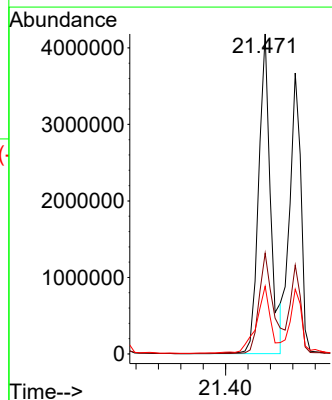
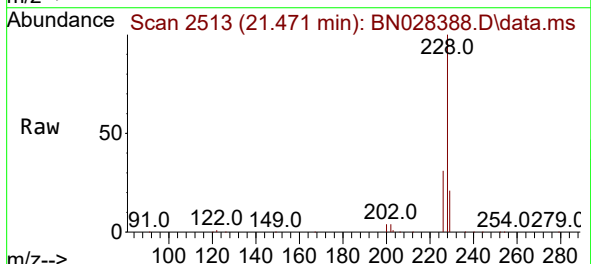
Instrument :
 BNA_N
 ClientSampleId :
 A-2(0-2)

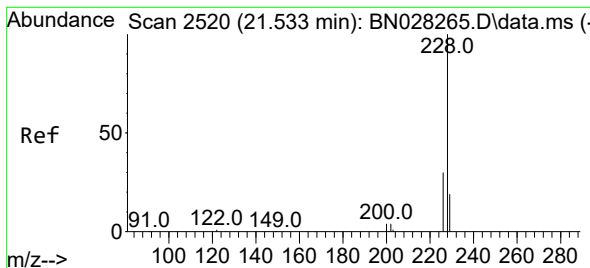
Tgt Ion:244 Resp: 10937
 Ion Ratio Lower Upper
 244 100
 212 16.6 6.6 10.0#
 122 64.7 11.7 17.5#



#32
 Benzo(a)anthracene
 Concen: 101.480 ng
 RT: 21.471 min Scan# 2513
 Delta R.T. 0.000 min
 Lab File: BN028388.D
 Acq: 24 Oct 2023 23:38

Tgt Ion:228 Resp: 6161749
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.9 34.3
 229 21.2 16.6 24.8





#33

Chrysene

Concen: 87.518 ng

RT: 21.524 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

Instrument :

BNA_N

ClientSampleId :

A-2(0-2)

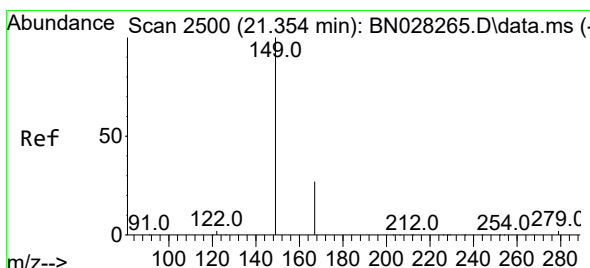
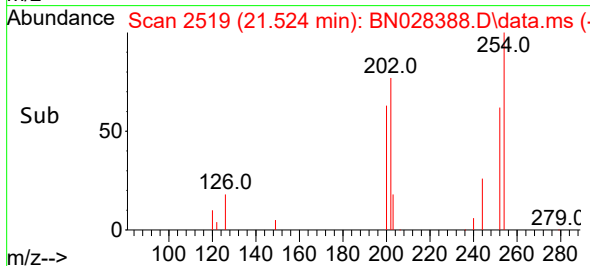
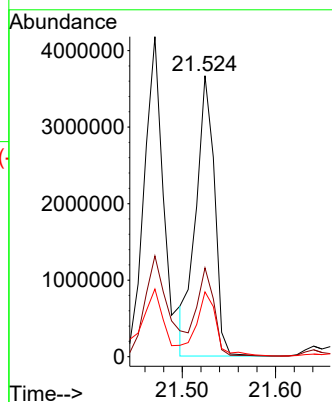
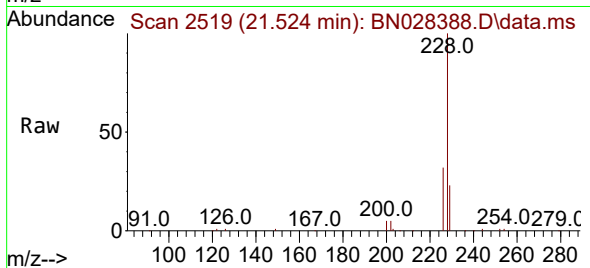
Tgt Ion:228 Resp: 5086053

Ion Ratio Lower Upper

228 100

226 31.6 25.2 37.8

229 23.1 16.6 25.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.442 ng

RT: 21.336 min Scan# 2498

Delta R.T. -0.009 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

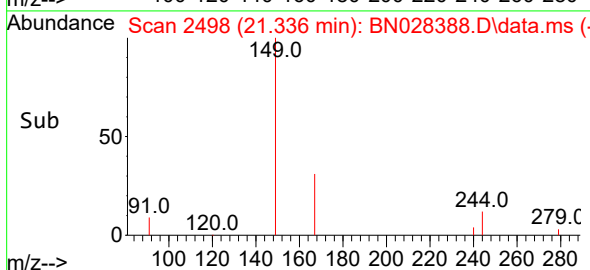
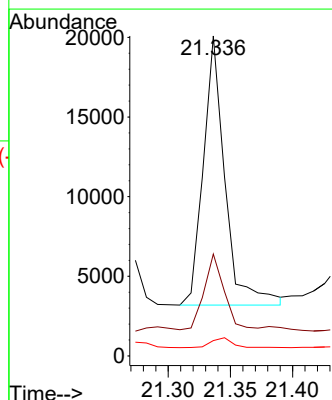
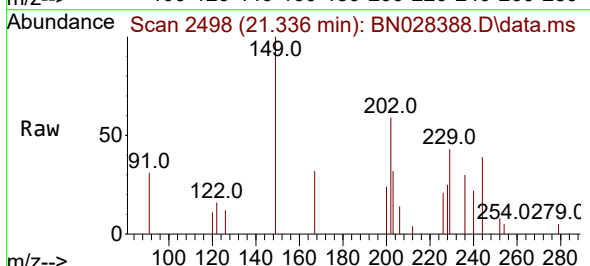
Tgt Ion:149 Resp: 20490

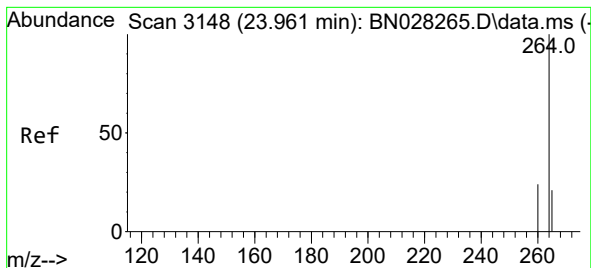
Ion Ratio Lower Upper

149 100

167 26.3 22.6 34.0

279 3.5 4.2 6.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.931 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

Instrument :

BNA_N

ClientSampleId :

A-2(0-2)

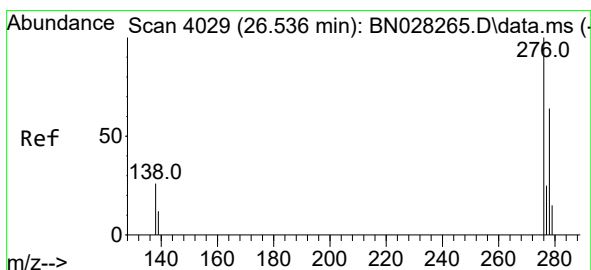
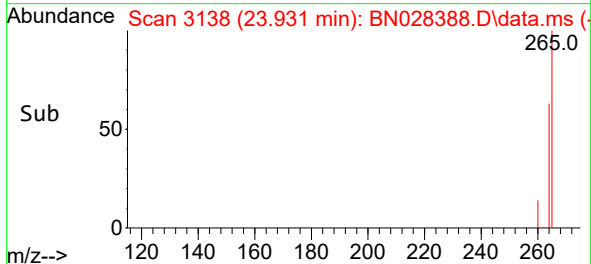
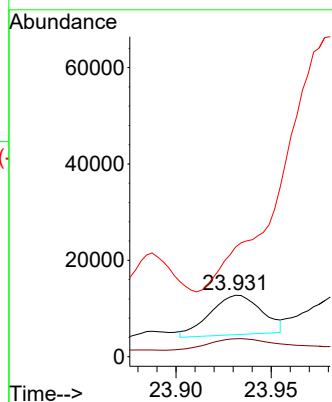
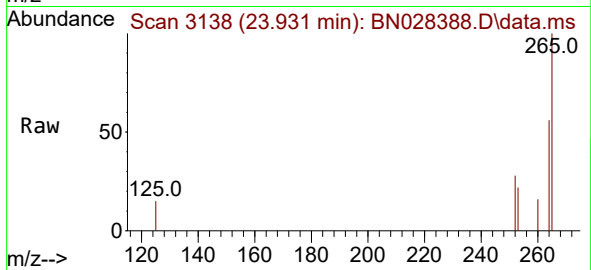
Tgt Ion:264 Resp: 15532

Ion Ratio Lower Upper

264 100

260 29.1 20.7 31.1

265 178.1 38.3 57.5#



#36

Indeno(1,2,3-cd)pyrene

Concen: 43.373 ng

RT: 26.513 min Scan# 4021

Delta R.T. 0.009 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

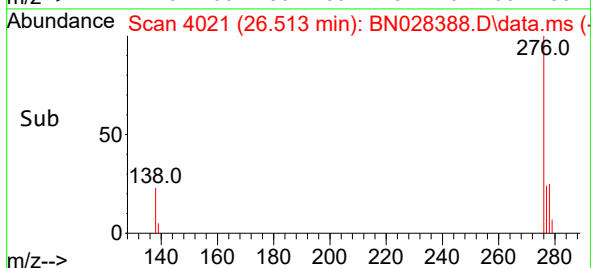
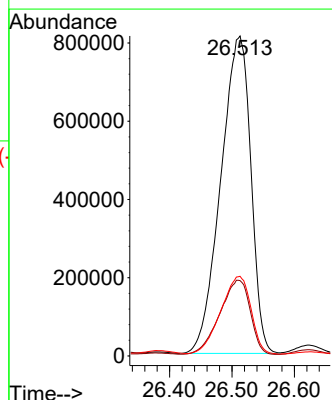
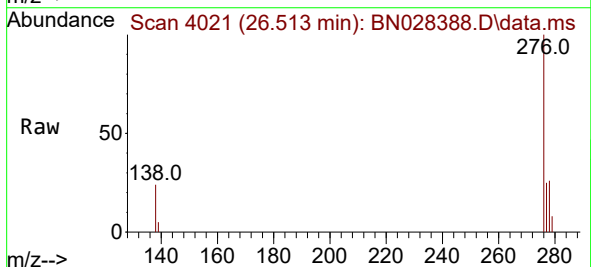
Tgt Ion:276 Resp: 2716001

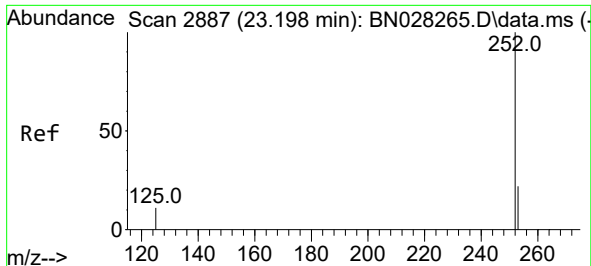
Ion Ratio Lower Upper

276 100

138 23.7 21.3 31.9

277 24.5 20.0 30.0

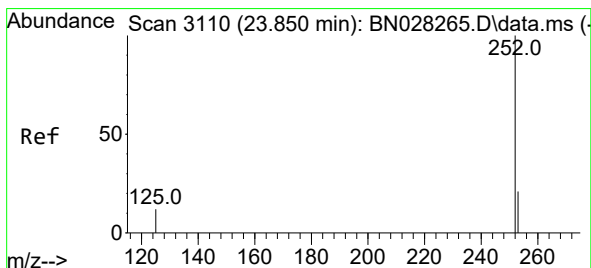
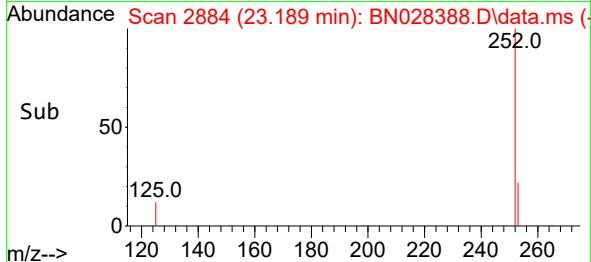
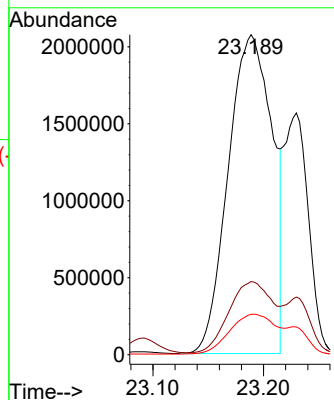
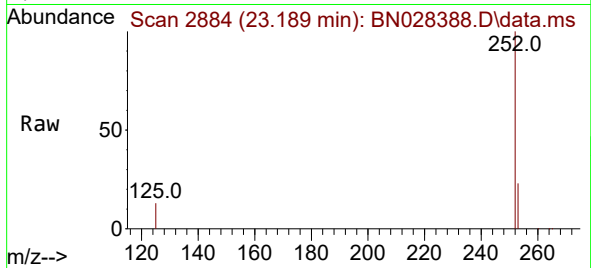




#37
Benzo(b)fluoranthene
Concen: 117.996 ng
RT: 23.189 min Scan# 21
Delta R.T. 0.012 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

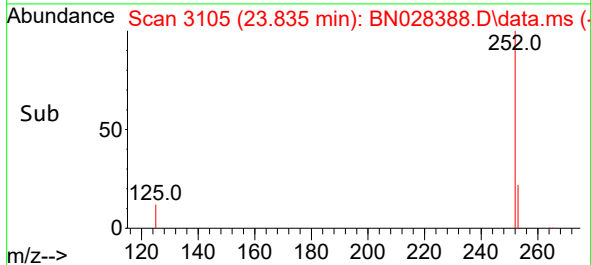
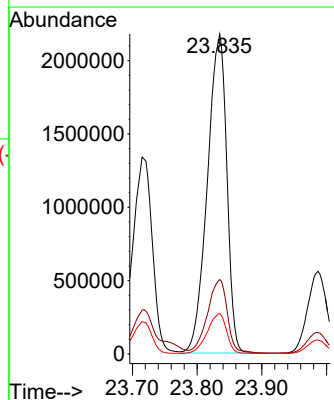
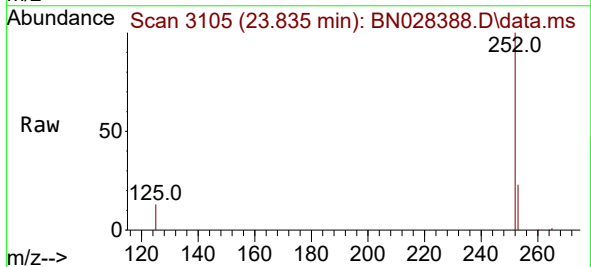
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)

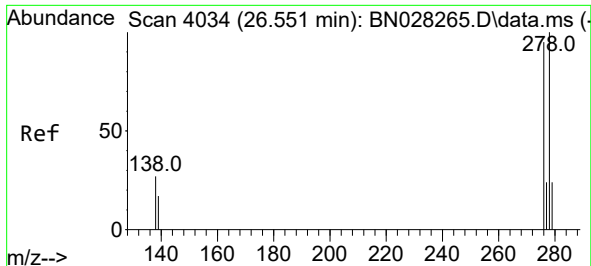
Tgt Ion:252 Resp: 5728574
Ion Ratio Lower Upper
252 100
253 22.8 21.8 32.8
125 12.6 15.6 23.4#



#39
Benzo(a)pyrene
Concen: 93.877 ng
RT: 23.835 min Scan# 3105
Delta R.T. 0.006 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

Tgt Ion:252 Resp: 4533792
Ion Ratio Lower Upper
252 100
253 23.3 22.7 34.1
125 12.6 17.0 25.6#

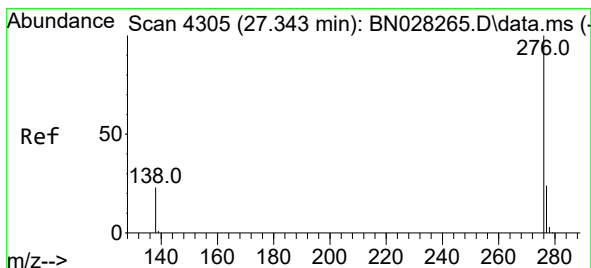
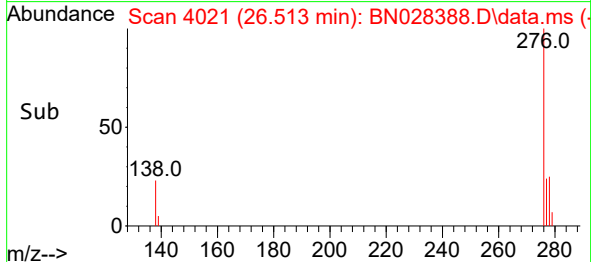
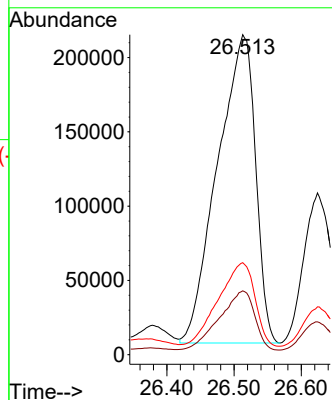
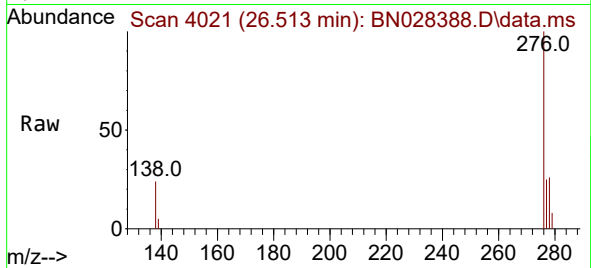




#40
Dibenzo(a,h)anthracene
Concen: 16.004 ng
RT: 26.513 min Scan# 4034
Delta R.T. -0.006 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

Instrument :
BNA_N
ClientSampleId :
A-2(0-2)

Tgt Ion:278 Resp: 813577
Ion Ratio Lower Upper
278 100
139 20.0 18.8 28.2
279 28.8 23.5 35.3



#41
Benzo(g,h,i)perylene
Concen: 45.803 ng
RT: 27.323 min Scan# 4298
Delta R.T. 0.018 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

Tgt Ion:276 Resp: 2404059
Ion Ratio Lower Upper
276 100
277 24.6 21.7 32.5
138 23.8 21.7 32.5

