

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025318.D
 Acq On : 06 May 2023 16:32
 Operator : CG/JU
 Sample : 02588-11
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023

Quant Time: May 08 04:01:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 02:37:05 2023
 Response via : Initial Calibration

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

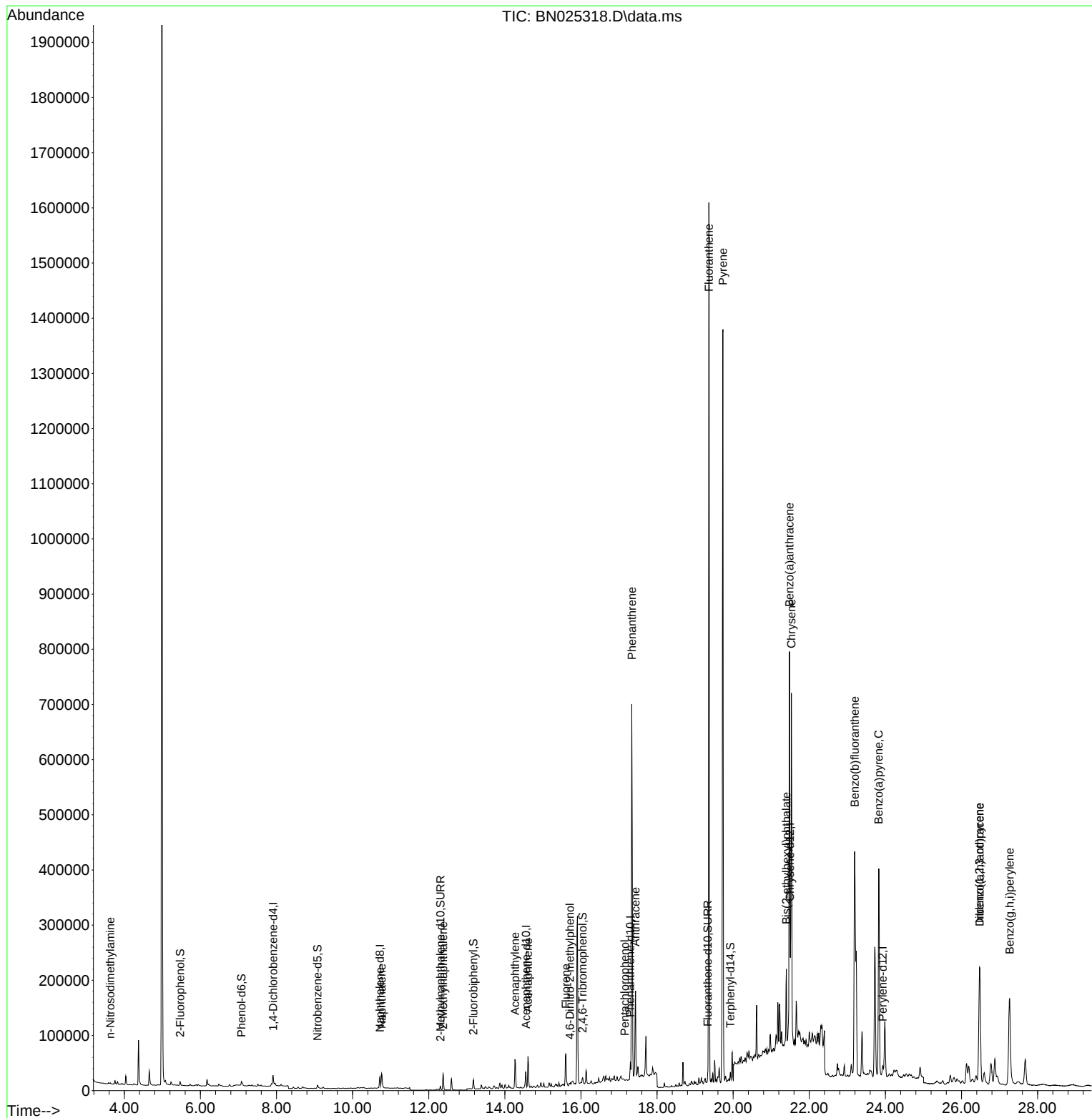
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	8820	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	28450	0.400	ng	-0.01
13) Acenaphthene-d10	14.555	164	17286	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	38214	0.400	ng	#-0.01
29) Chrysene-d12	21.495	240	27761	0.400	ng	#-0.01
35) Perylene-d12	23.932	264	25252	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.470	112	6084	0.283	ng	0.00
5) Phenol-d6	7.080	99	8016	0.298	ng	0.00
8) Nitrobenzene-d5	9.073	82	5740	0.245	ng	-0.02
11) 2-Methylnaphthalene-d10	12.305	152	9991	0.257	ng	-0.01
14) 2,4,6-Tribromophenol	16.045	330	1830	0.207	ng	-0.02
15) 2-Fluorobiphenyl	13.176	172	14913	0.252	ng	-0.01
27) Fluoranthene-d10	19.334	212	20257	0.214	ng	0.00
31) Terphenyl-d14	19.924	244	15433	0.276	ng	-0.01
Target Compounds						
3) n-Nitrosodimethylamine	3.635	42	394	0.028	ng	# 9
9) Naphthalene	10.760	128	38652	0.530	ng	99
12) 2-Methylnaphthalene	12.377	142	22164	0.429	ng	99
16) Acenaphthylene	14.266	152	64111	0.828	ng	99
17) Acenaphthene	14.608	154	27885	0.579	ng	100
18) Fluorene	15.603	166	40610	0.616	ng	# 96
20) 4,6-Dinitro-2-methylph...	15.709	198	114	0.294	ng	# 1
24) Pentachlorophenol	17.149	266	106	0.278	ng	# 67
25) Phenanthrene	17.336	178	703718	6.656	ng	100
26) Anthracene	17.435	178	166903	1.685	ng	# 95
28) Fluoranthene	19.363	202	1415951	10.718	ng	99
30) Pyrene	19.730	202	1250054	13.172	ng	# 95
32) Benzo(a)anthracene	21.477	228	609069	6.491	ng	98
33) Chrysene	21.531	228	549680	5.885	ng	98
34) Bis(2-ethylhexyl)phtha...	21.396	149	129560	1.760	ng	94
36) Indeno(1,2,3-cd)pyrene	26.475	276	343495	3.393	ng	96
37) Benzo(b)fluoranthene	23.192	252	700920	8.756	ng	97
39) Benzo(a)pyrene	23.826	252	522550	6.372	ng	93
40) Dibenzo(a,h)anthracene	26.481	278	86029	1.076	ng	# 85
41) Benzo(g,h,i)perylene	27.267	276	349596	3.982	ng	99

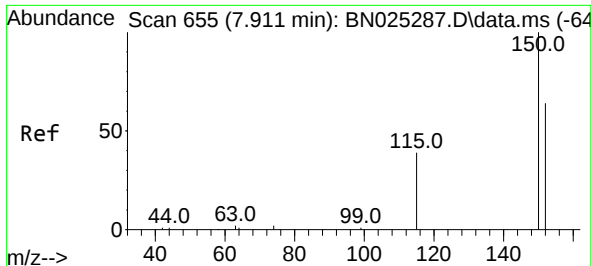
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN025318.D
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Instrument :
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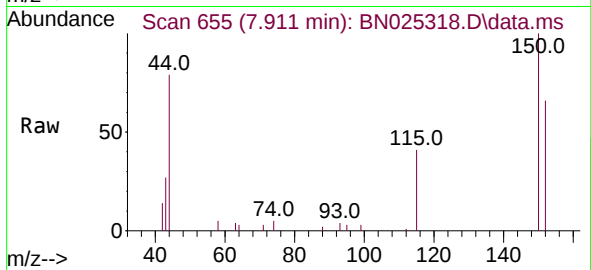
Quant Time: May 08 04:01:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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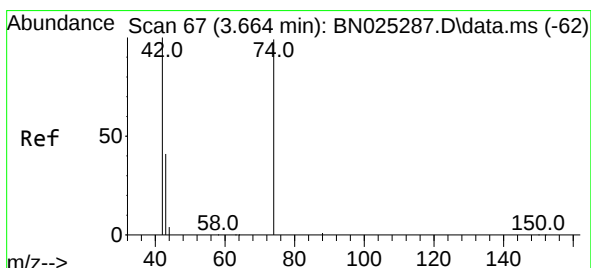
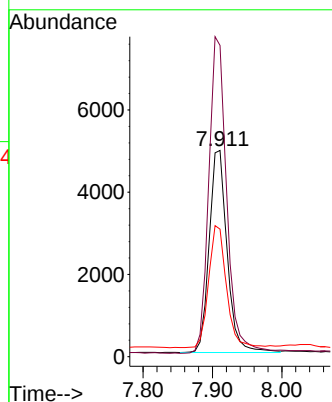
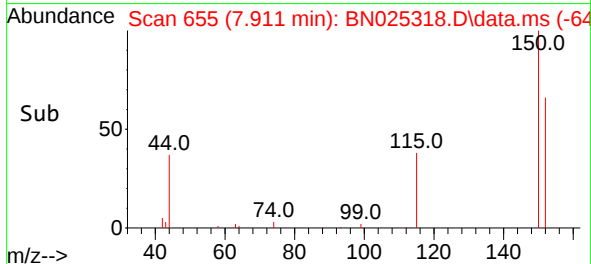


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.911 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023

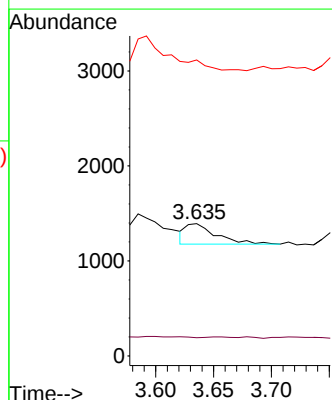
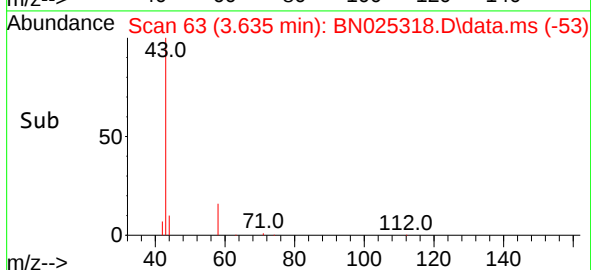
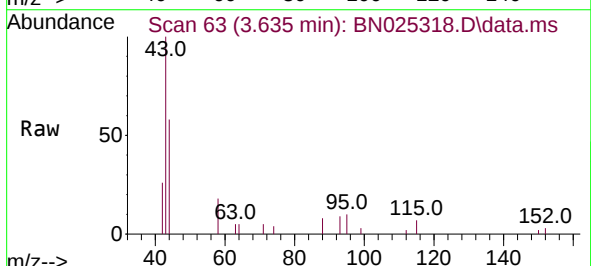


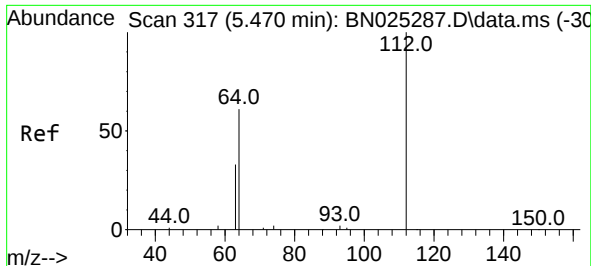
Tgt Ion:152 Resp: 8820
Ion Ratio Lower Upper
152 100
150 151.0 123.8 185.8
115 61.9 52.9 79.3



#3
n-Nitrosodimethylamine
Concen: 0.028 ng
RT: 3.635 min Scan# 63
Delta R.T. -0.029 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion: 42 Resp: 394
Ion Ratio Lower Upper
42 100
74 2.8 79.9 119.9#
44 0.0 7.0 10.6#

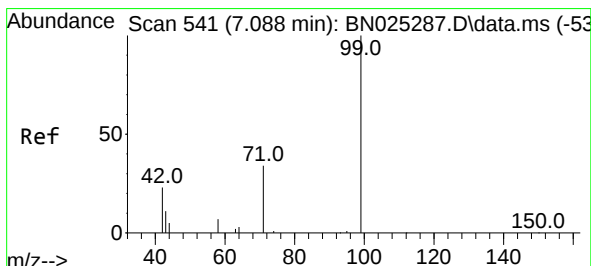
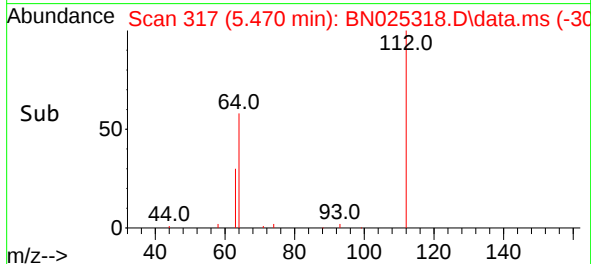
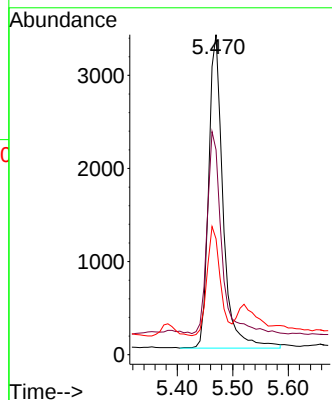
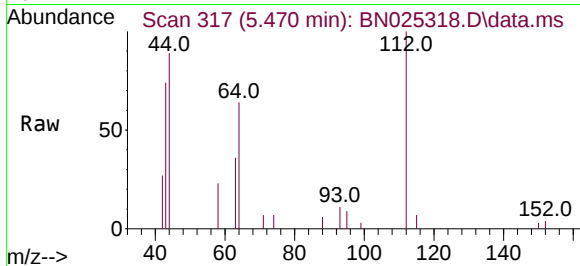




#4
2-Fluorophenol
Concen: 0.283 ng
RT: 5.470 min Scan# 317
Delta R.T. -0.000 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

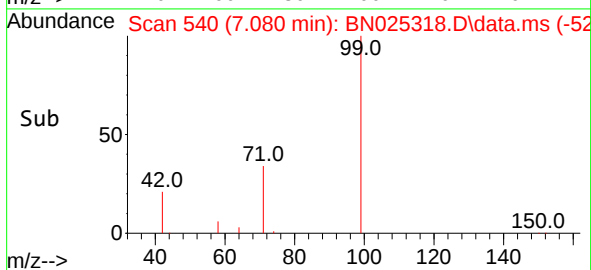
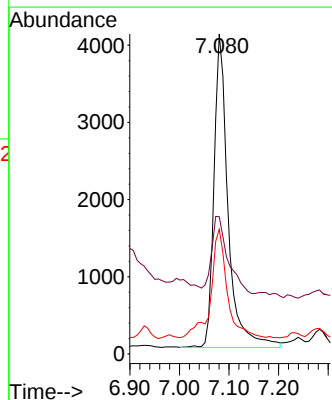
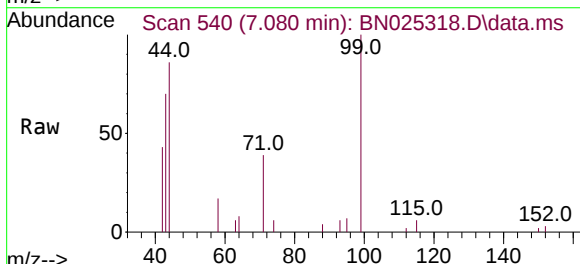
Instrument :
BNA_N
ClientSampleId :
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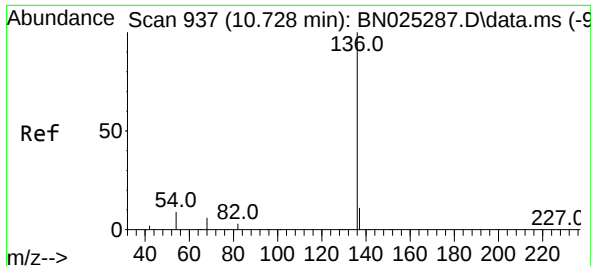
Tgt Ion:112 Resp: 6084
Ion Ratio Lower Upper
112 100
64 64.5 51.5 77.3
63 32.3 27.8 41.6



#5
Phenol-d6
Concen: 0.298 ng
RT: 7.080 min Scan# 540
Delta R.T. -0.007 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion: 99 Resp: 8016
Ion Ratio Lower Upper
99 100
42 28.5 22.0 33.0
71 40.2 28.7 43.1

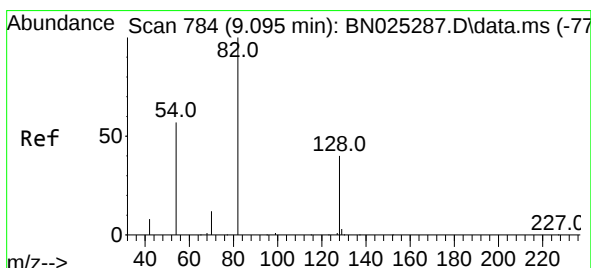
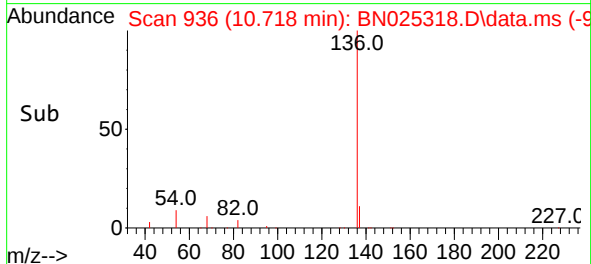
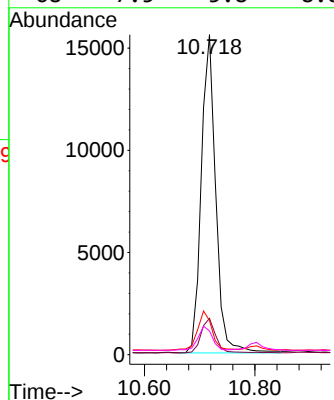
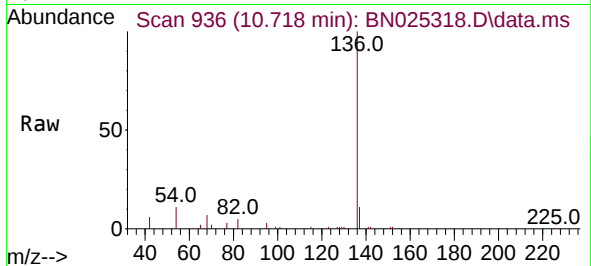




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

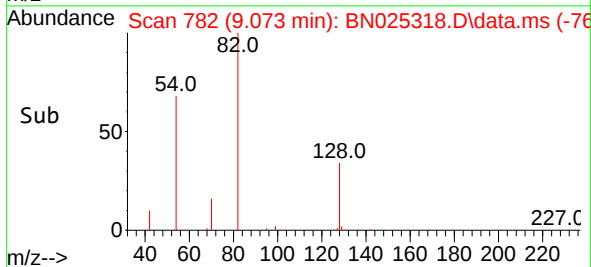
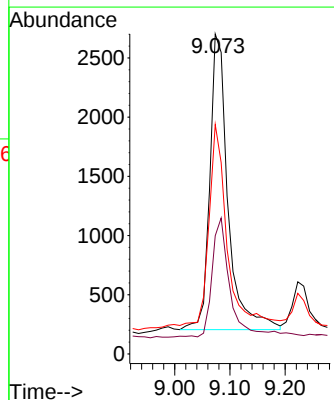
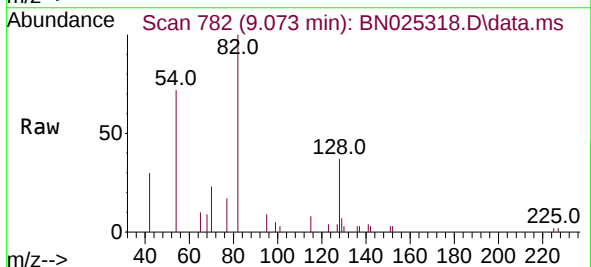
Instrument :
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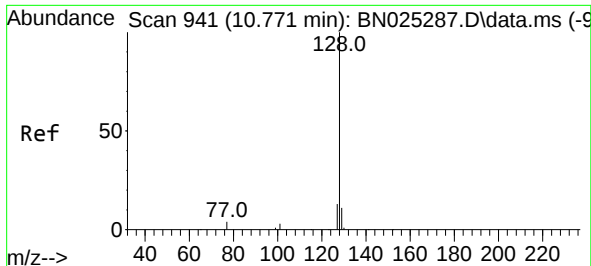
Tgt Ion:136	Resp:	28450
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.4 14.2
54	10.6	8.5 12.7
68	7.5	5.8 8.8



#8
Nitrobenzene-d5
Concen: 0.245 ng
RT: 9.073 min Scan# 782
Delta R.T. -0.022 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion: 82	Resp:	5740
Ion Ratio	Lower	Upper
82	100	
128	36.9	35.3 52.9
54	71.7	48.7 73.1

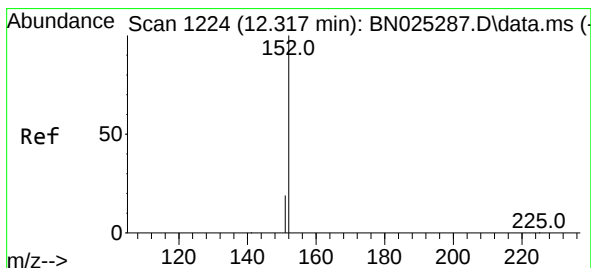
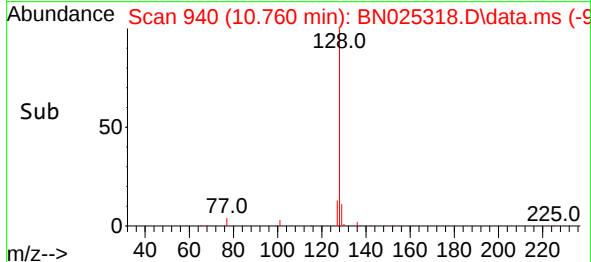
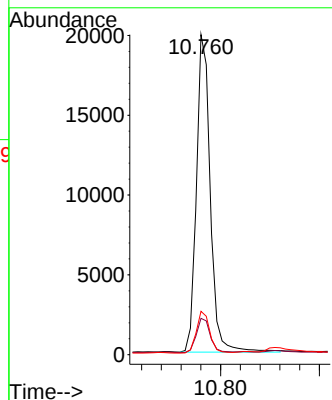
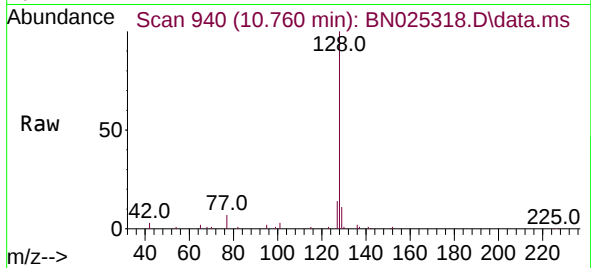




#9
Naphthalene
Concen: 0.530 ng
RT: 10.760 min Scan# 941
Delta R.T. -0.011 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

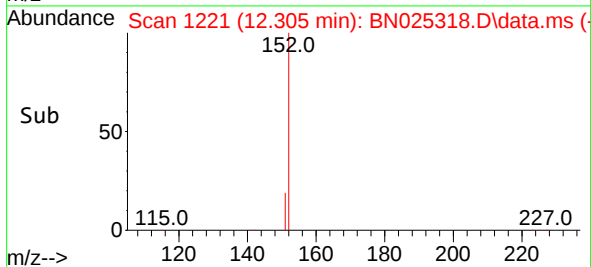
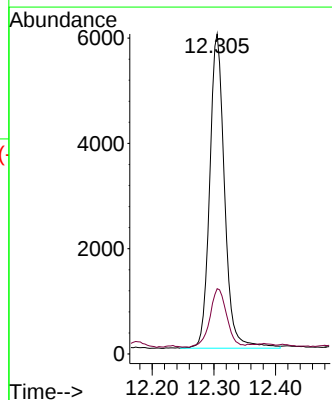
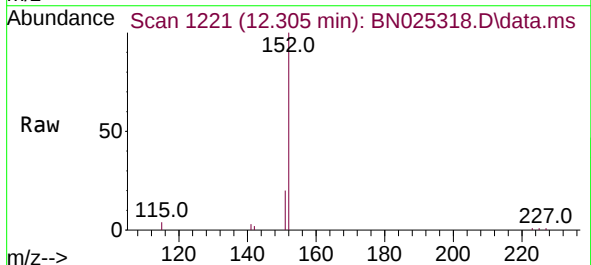
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023

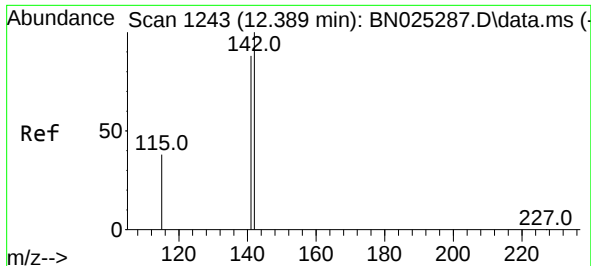
Tgt Ion:128 Resp: 38652
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.2
127 13.5 11.0 16.6



#11
2-Methylnaphthalene-d10
Concen: 0.257 ng
RT: 12.305 min Scan# 1221
Delta R.T. -0.011 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion:152 Resp: 9991
Ion Ratio Lower Upper
152 100
151 21.2 16.4 24.6

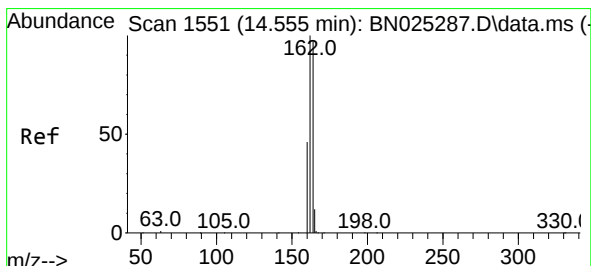
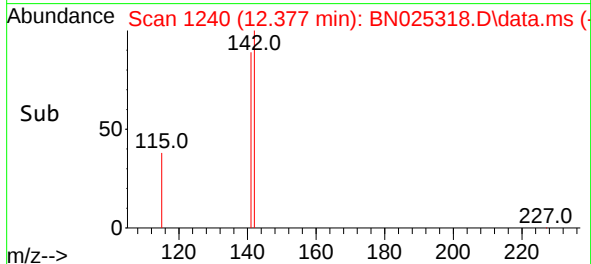
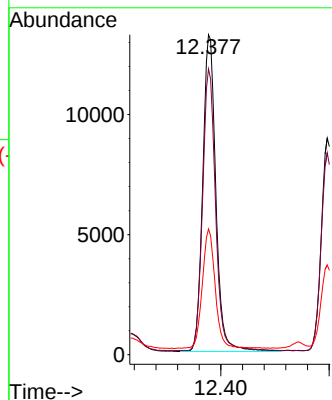
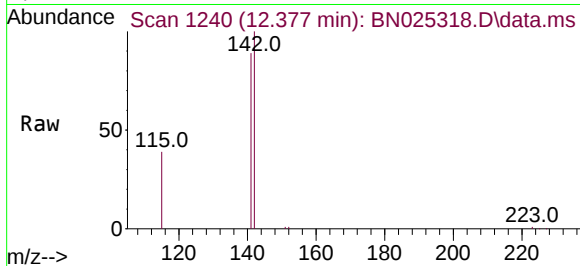




#12
2-Methylnaphthalene
Concen: 0.429 ng
RT: 12.377 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

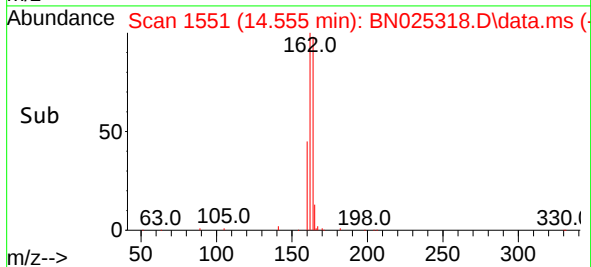
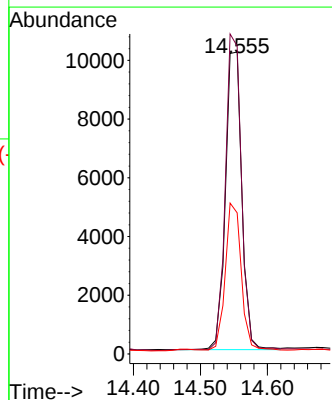
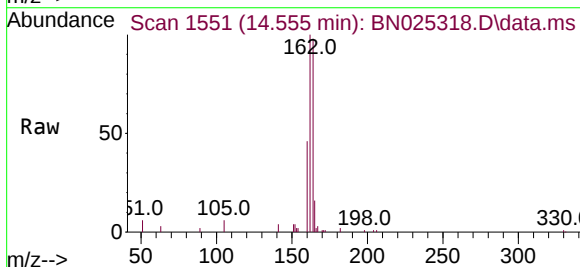
Instrument :
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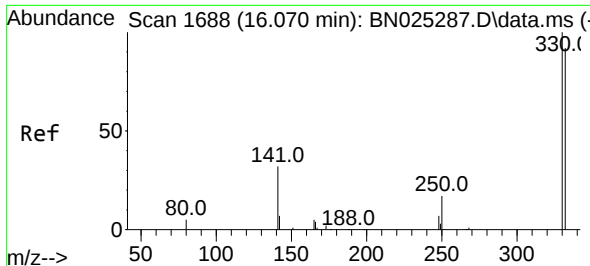
Tgt Ion:142 Resp: 22164
Ion Ratio Lower Upper
142 100
141 89.3 70.5 105.7
115 39.3 31.6 47.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion:164 Resp: 17286
Ion Ratio Lower Upper
164 100
162 102.0 82.1 123.1
160 46.8 38.3 57.5

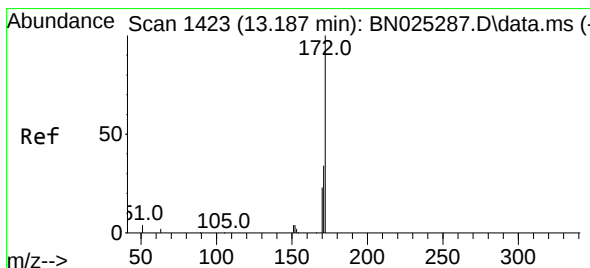
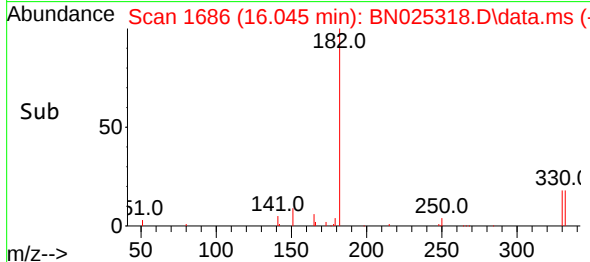
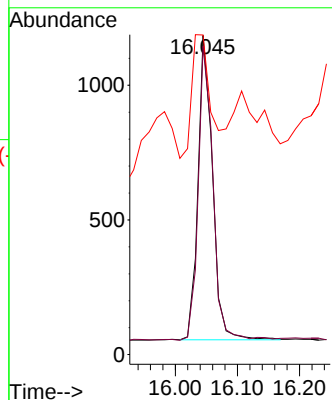
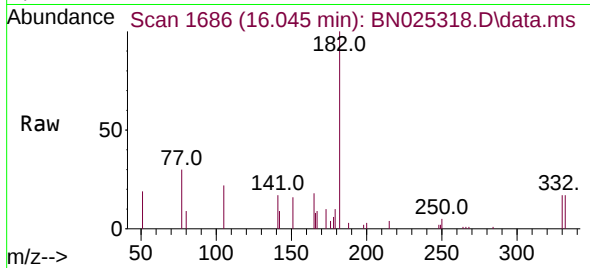




#14
2,4,6-Tribromophenol
Concen: 0.207 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.025 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

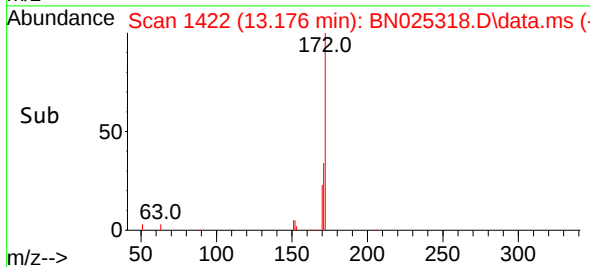
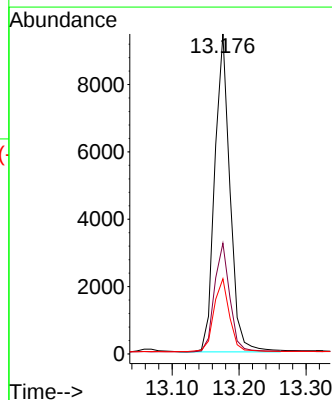
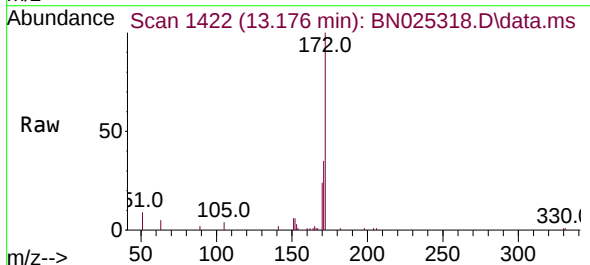
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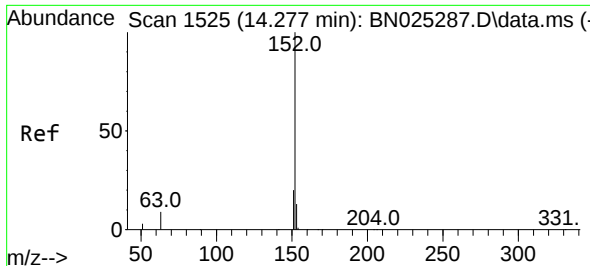
Tgt Ion:330 Resp: 1830
Ion Ratio Lower Upper
330 100
332 98.5 77.4 116.0
141 49.9 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.252 ng
RT: 13.176 min Scan# 1422
Delta R.T. -0.011 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion:172 Resp: 14913
Ion Ratio Lower Upper
172 100
171 34.6 27.9 41.9
170 23.5 19.0 28.4

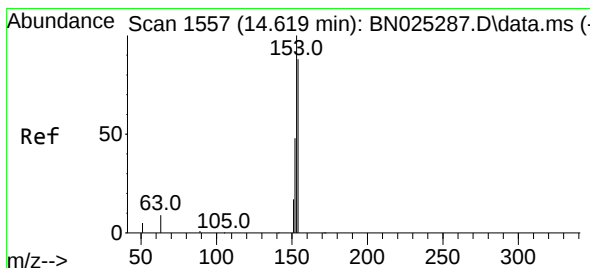
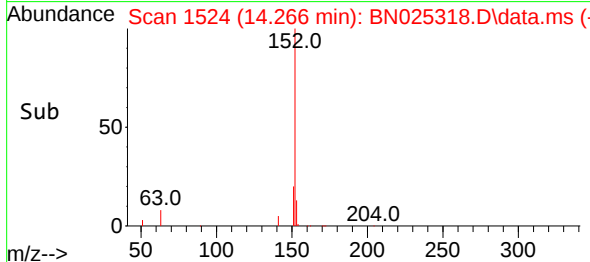
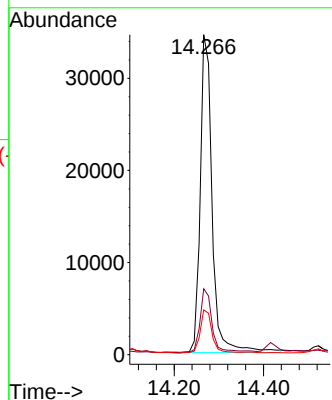
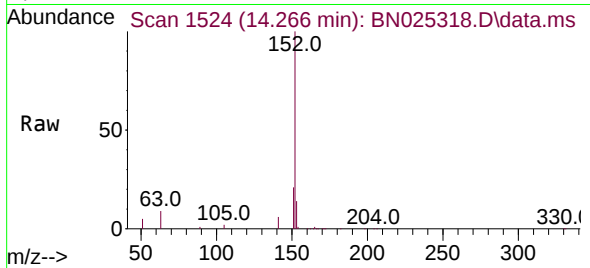




#16
Acenaphthylene
Concen: 0.828 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.011 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

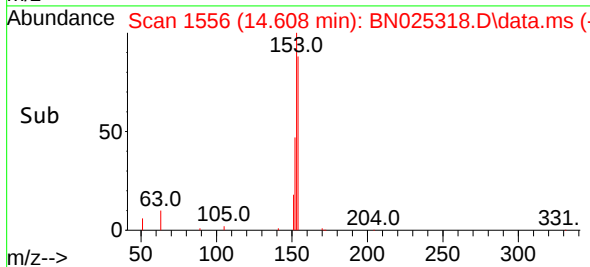
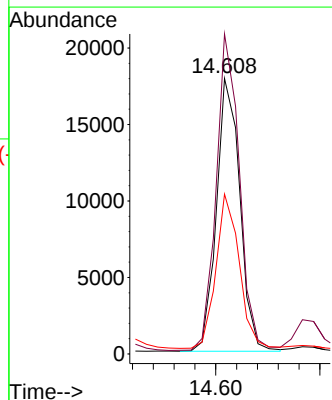
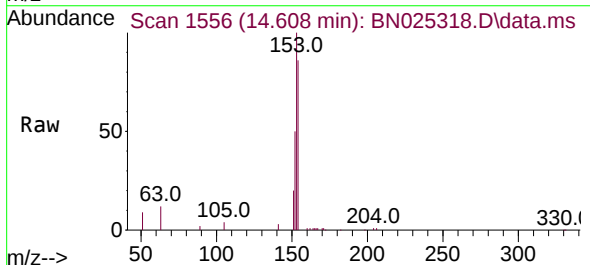
Instrument :
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ClientSampleId :
ZONE-D-3-6-05022023

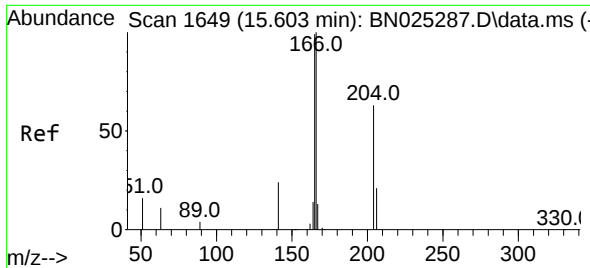
Tgt Ion:152 Resp: 64111
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 13.4 10.3 15.5



#17
Acenaphthene
Concen: 0.579 ng
RT: 14.608 min Scan# 1556
Delta R.T. -0.011 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion:154 Resp: 27885
Ion Ratio Lower Upper
154 100
153 114.8 91.3 136.9
152 56.0 44.7 67.1

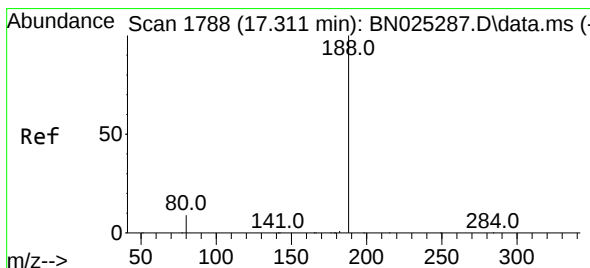
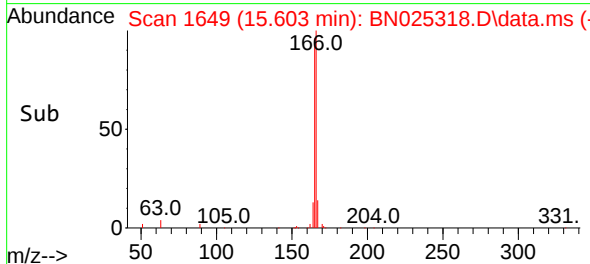
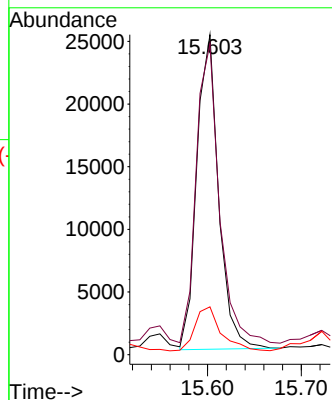
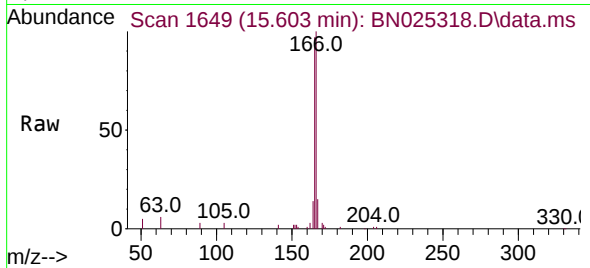




#18
Fluorene
Concen: 0.616 ng
RT: 15.603 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

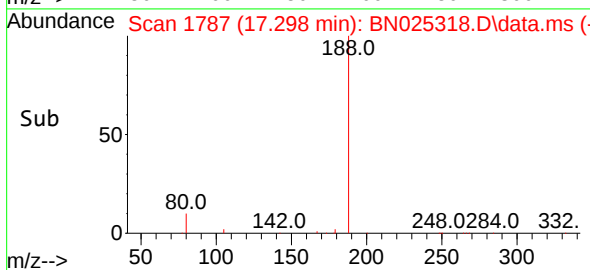
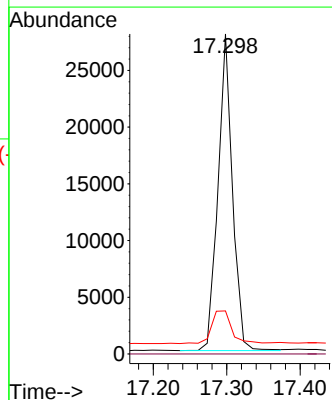
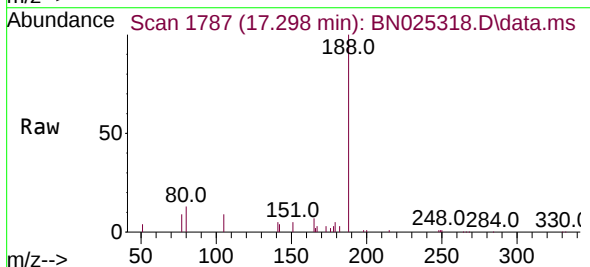
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023

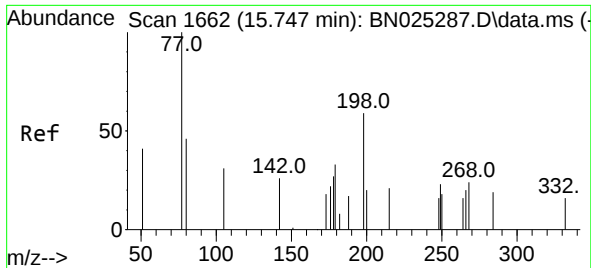
Tgt Ion:166 Resp: 40610
Ion Ratio Lower Upper
166 100
165 101.5 79.0 118.4
167 16.9 10.3 15.5#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.298 min Scan# 1787
Delta R.T. -0.013 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion:188 Resp: 38214
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.5 8.0 12.0#

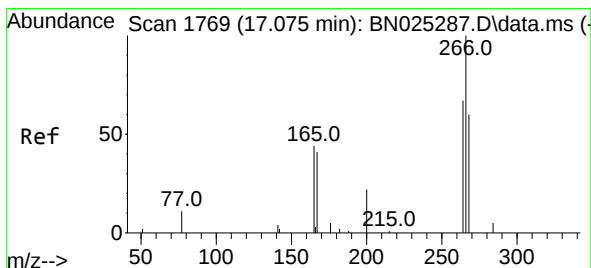
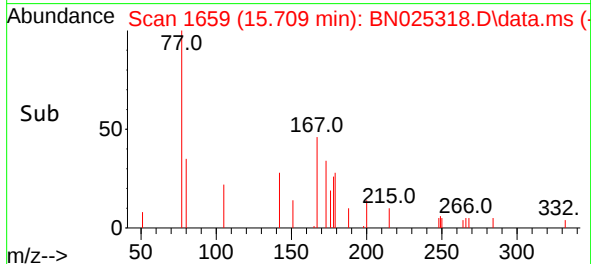
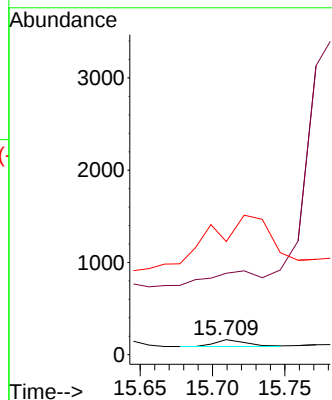
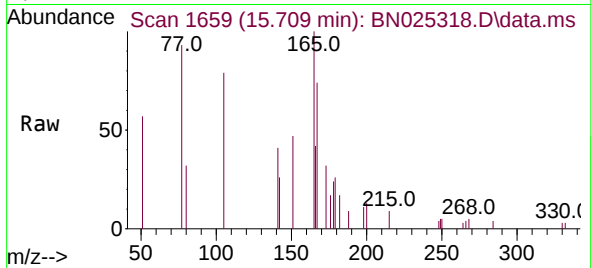




#20
4,6-Dinitro-2-methylphenol
Concen: 0.294 ng
RT: 15.709 min Scan# 1114
Delta R.T. -0.038 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

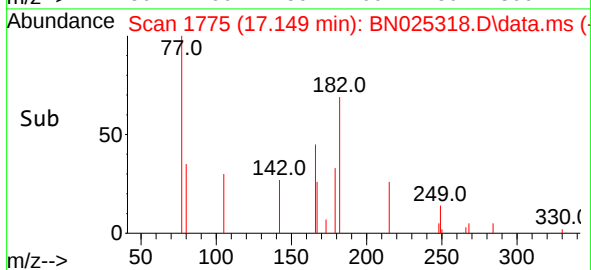
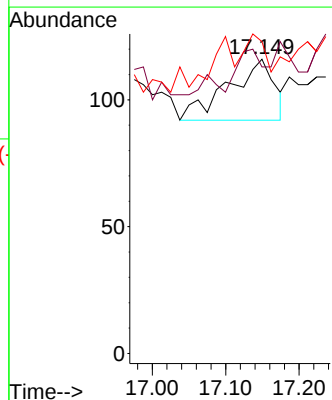
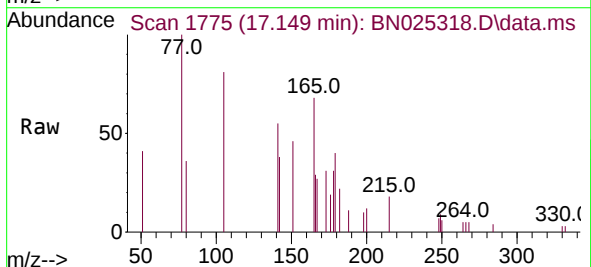
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023

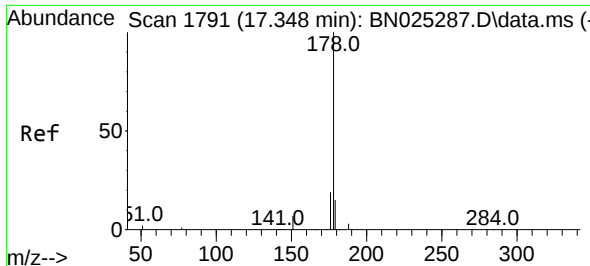
Tgt Ion:198 Resp: 114
Ion Ratio Lower Upper
198 100
51 538.4 162.1 243.1#
105 747.6 83.1 124.7#



#24
Pentachlorophenol
Concen: 0.278 ng
RT: 17.149 min Scan# 1775
Delta R.T. 0.074 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion:266 Resp: 106
Ion Ratio Lower Upper
266 100
264 35.8 43.0 64.4#
268 29.2 47.4 71.2#

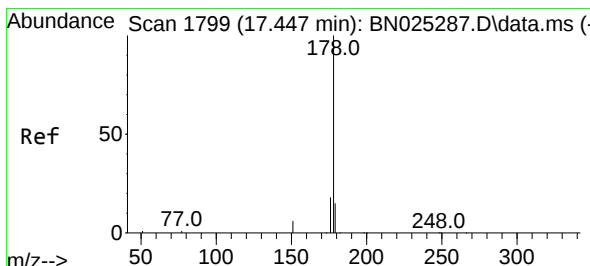
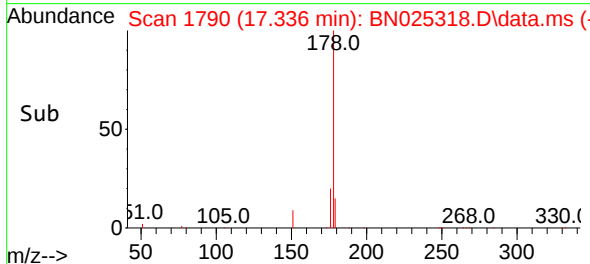
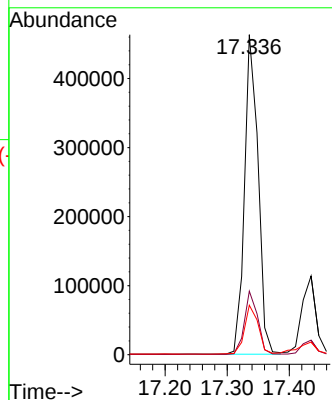
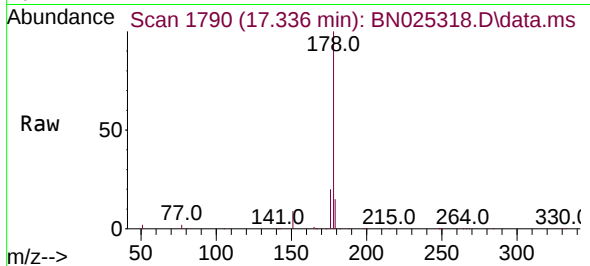




#25
Phenanthrene
Concen: 6.656 ng
RT: 17.336 min Scan# 1790
Delta R.T. -0.013 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

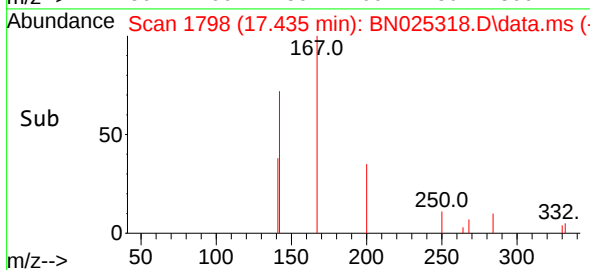
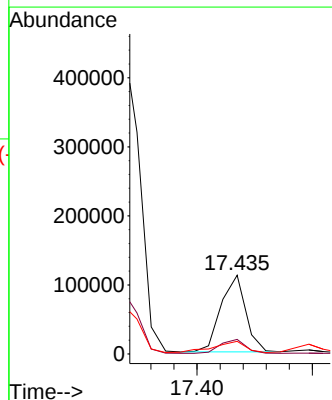
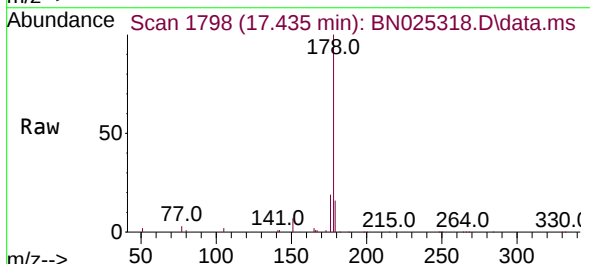
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023

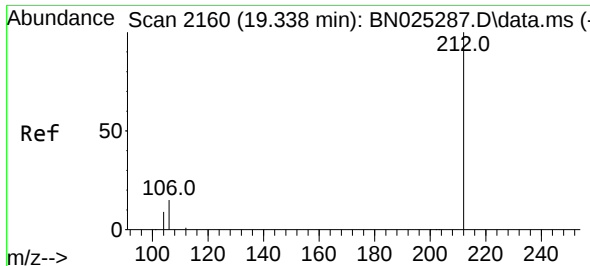
Tgt Ion:178 Resp: 703718
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.5 12.4 18.6



#26
Anthracene
Concen: 1.685 ng
RT: 17.435 min Scan# 1798
Delta R.T. -0.013 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion:178 Resp: 166903
Ion Ratio Lower Upper
178 100
176 19.4 14.9 22.3
179 18.7 12.0 18.0#

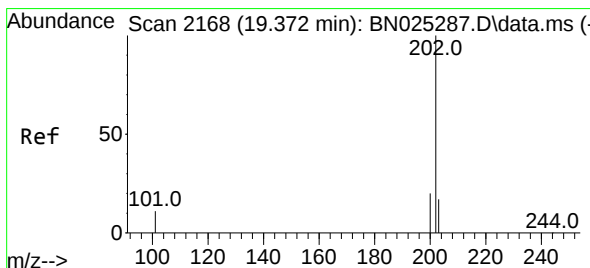
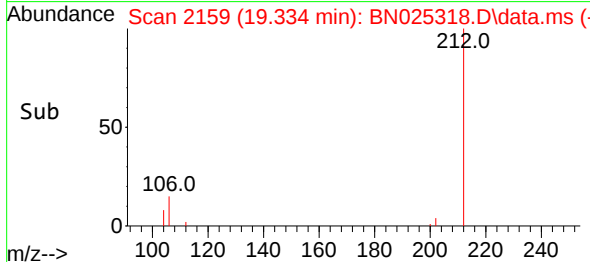
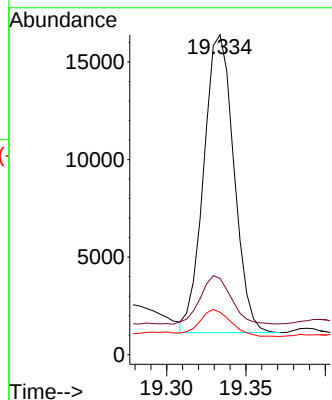
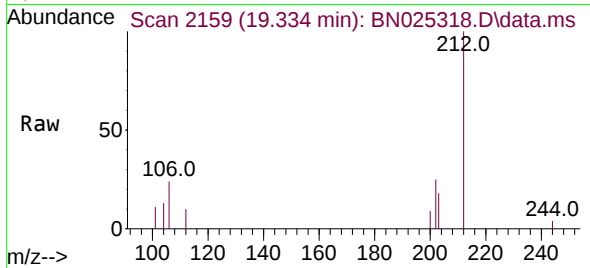




#27
Fluoranthene-d10
Concen: 0.214 ng
RT: 19.334 min Scan# 2159
Delta R.T. -0.004 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

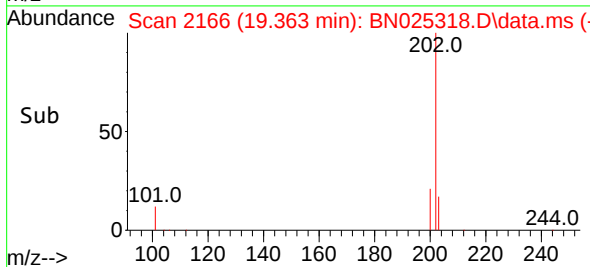
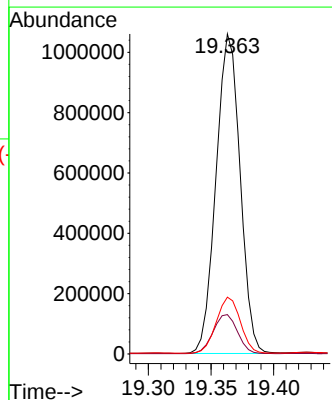
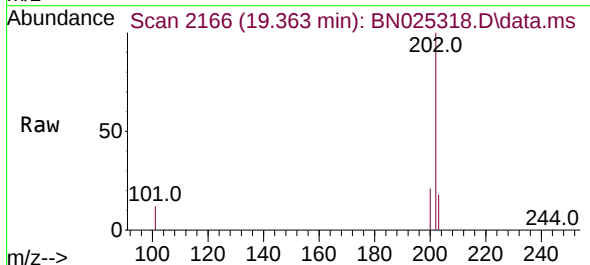
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023

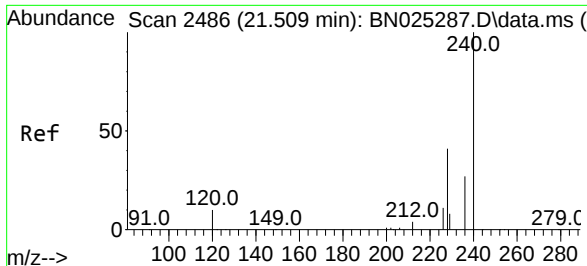
Tgt Ion:212 Resp: 20257
Ion Ratio Lower Upper
212 100
106 16.3 12.6 19.0
104 9.6 7.0 10.6



#28
Fluoranthene
Concen: 10.718 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.009 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion:202 Resp: 1415951
Ion Ratio Lower Upper
202 100
101 12.4 9.8 14.8
203 17.4 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.495 min Scan# 2486

Delta R.T. -0.014 min

Lab File: BN025318.D

Acq: 06 May 2023 16:32

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023

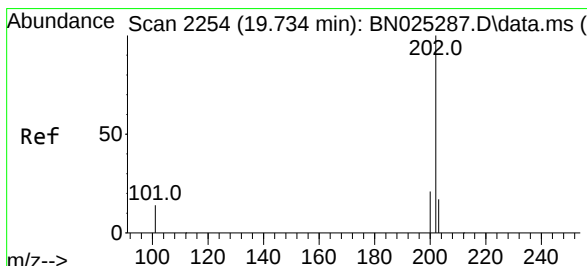
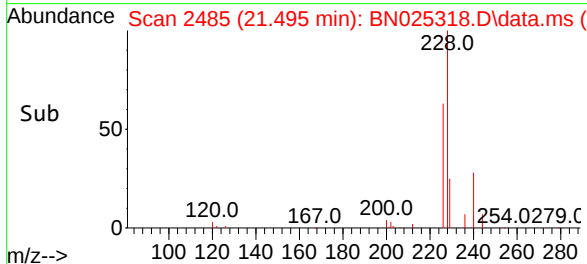
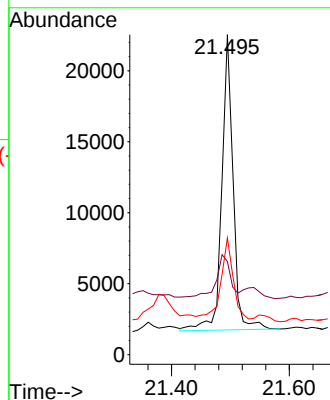
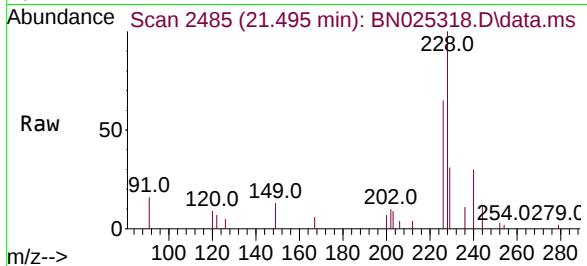
Tgt Ion:240 Resp: 27761

Ion Ratio Lower Upper

240 100

120 29.1 10.3 15.5#

236 36.5 22.3 33.5#



#30

Pyrene

Concen: 13.172 ng

RT: 19.730 min Scan# 2253

Delta R.T. -0.004 min

Lab File: BN025318.D

Acq: 06 May 2023 16:32

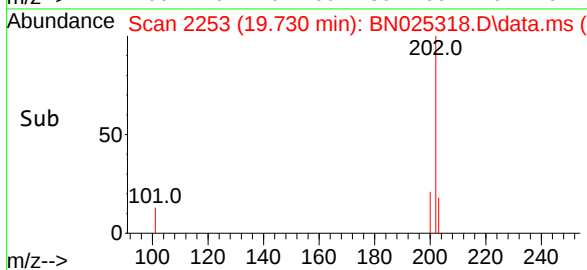
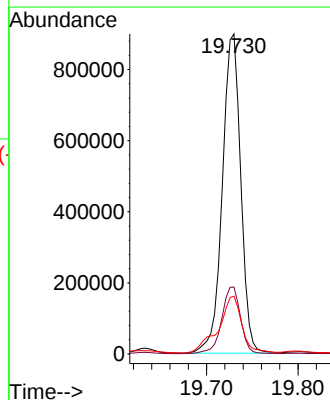
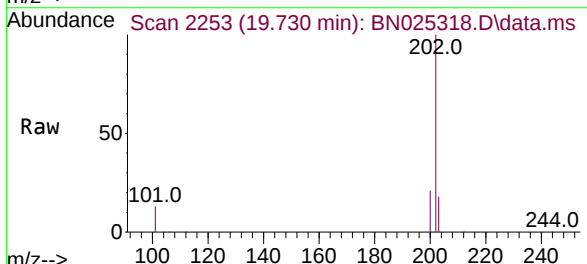
Tgt Ion:202 Resp: 1250054

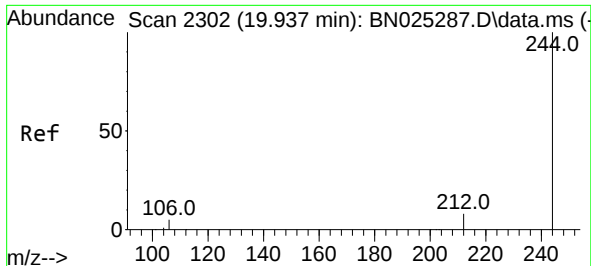
Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

203 22.4 14.4 21.6#

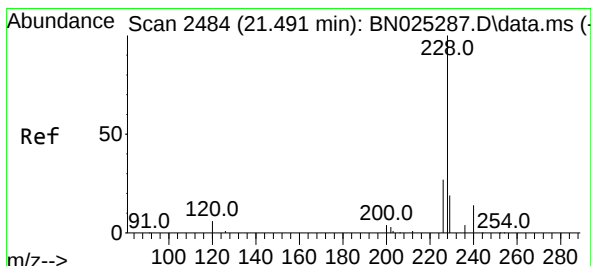
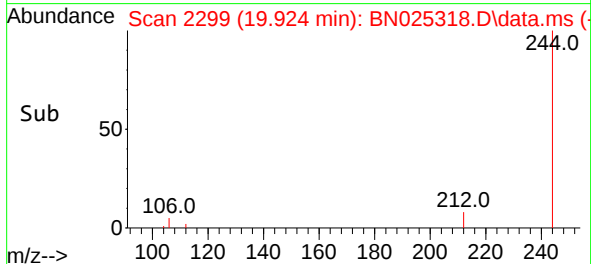
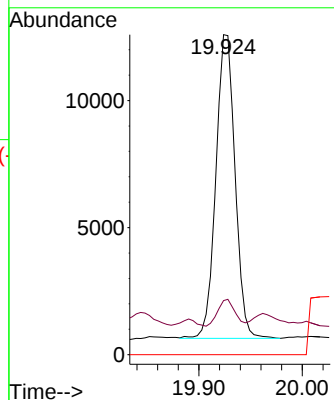
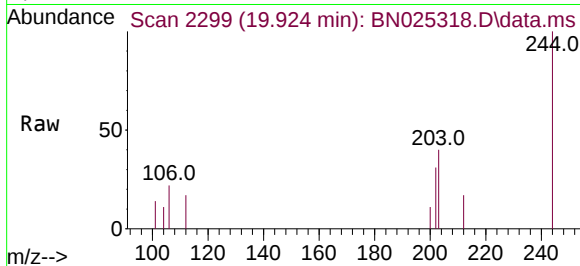




#31
 Terphenyl-d14
 Concen: 0.276 ng
 RT: 19.924 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: BN025318.D
 Acq: 06 May 2023 16:32

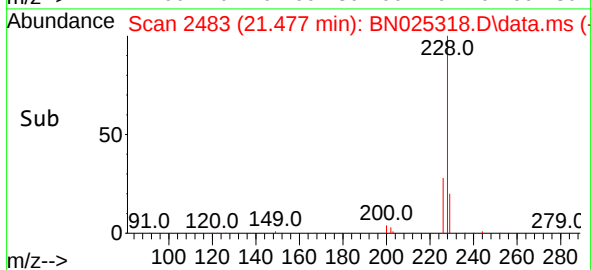
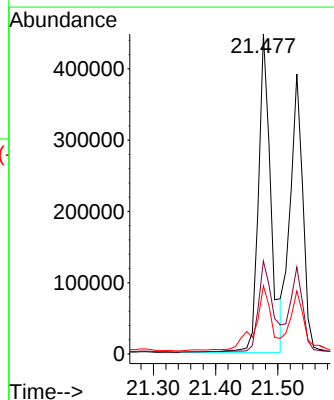
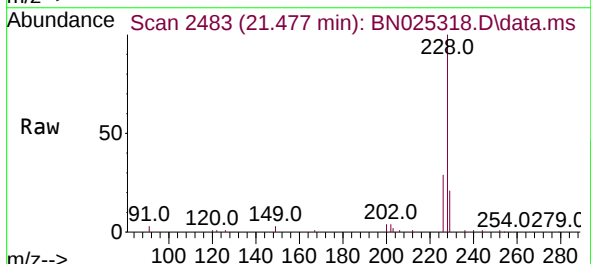
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023

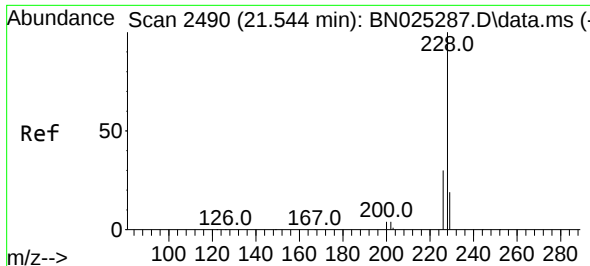
Tgt Ion:244 Resp: 15433
 Ion Ratio Lower Upper
 244 100
 212 16.9 7.1 10.7#
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 6.491 ng
 RT: 21.477 min Scan# 2483
 Delta R.T. -0.014 min
 Lab File: BN025318.D
 Acq: 06 May 2023 16:32

Tgt Ion:228 Resp: 609069
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.5 33.7
 229 21.3 16.2 24.2





#33

Chrysene

Concen: 5.885 ng

RT: 21.531 min Scan# 2490

Delta R.T. -0.014 min

Lab File: BN025318.D

Acq: 06 May 2023 16:32

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023

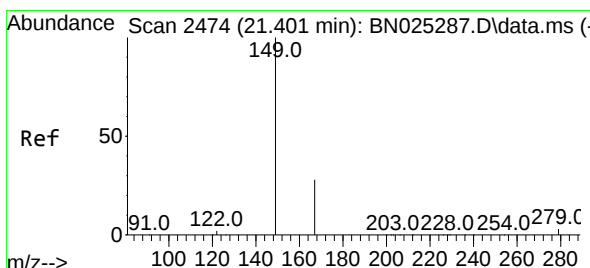
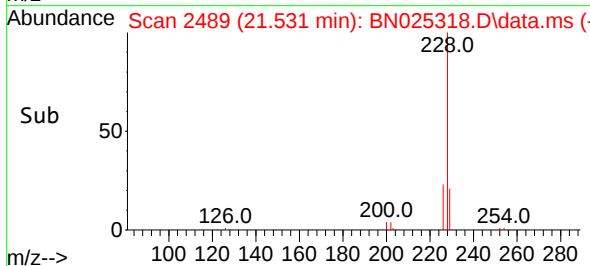
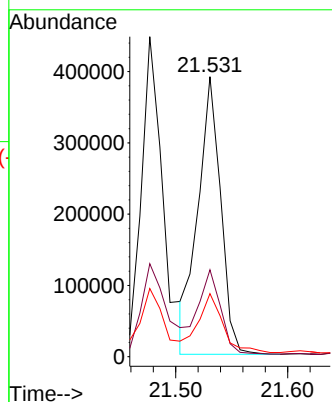
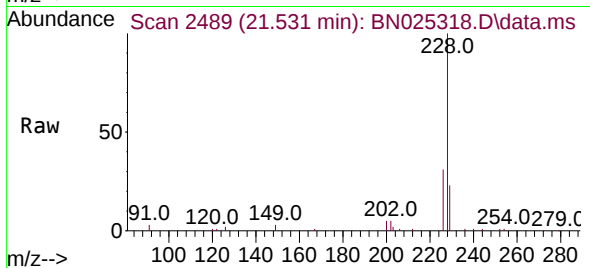
Tgt Ion:228 Resp: 549680

Ion Ratio Lower Upper

228 100

226 31.0 24.6 36.8

229 22.5 16.2 24.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.760 ng

RT: 21.396 min Scan# 2474

Delta R.T. -0.005 min

Lab File: BN025318.D

Acq: 06 May 2023 16:32

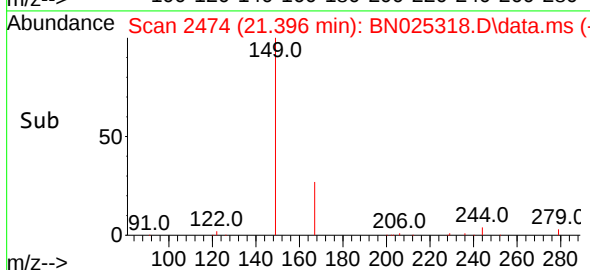
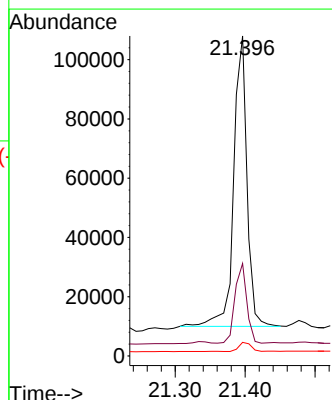
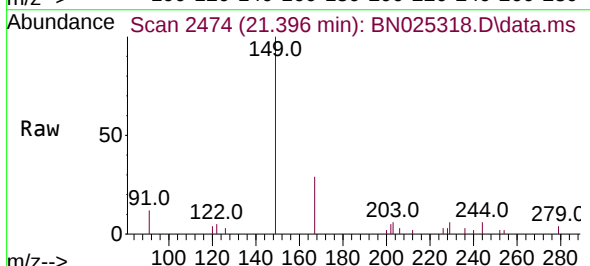
Tgt Ion:149 Resp: 129560

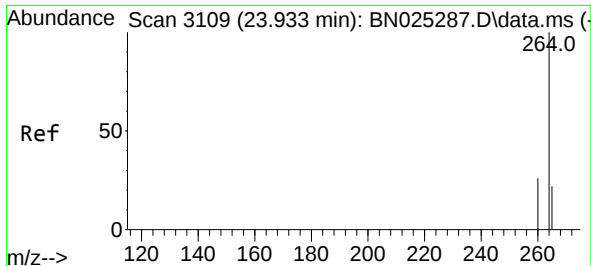
Ion Ratio Lower Upper

149 100

167 24.3 22.2 33.4

279 2.9 2.6 4.0





#35
Perylene-d12

Concen: 0.400 ng

RT: 23.932 min Scan# 3109

Delta R.T. -0.002 min

Lab File: BN025318.D

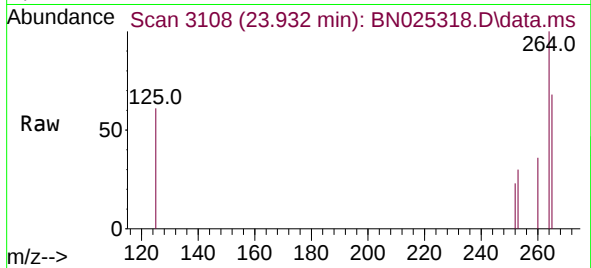
Acq: 06 May 2023 16:32

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023



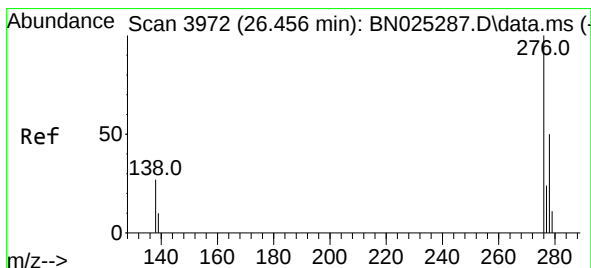
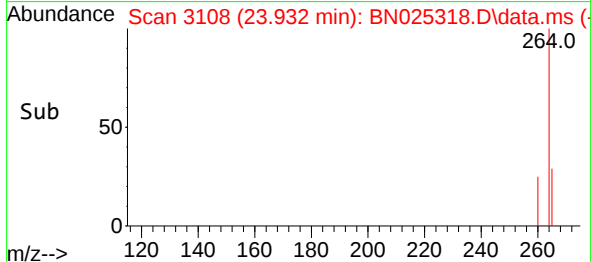
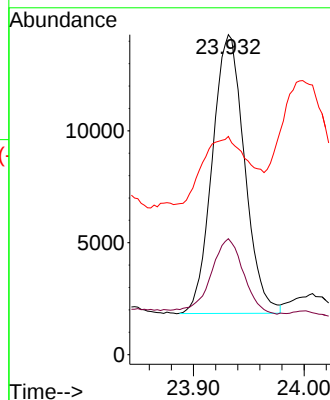
Tgt Ion:264 Resp: 25252

Ion Ratio Lower Upper

264 100

260 36.2 21.5 32.3#

265 68.2 46.2 69.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.393 ng

RT: 26.475 min Scan# 3978

Delta R.T. 0.019 min

Lab File: BN025318.D

Acq: 06 May 2023 16:32

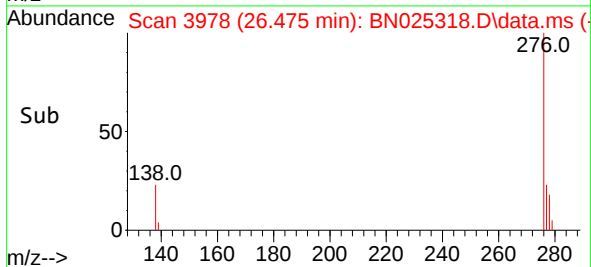
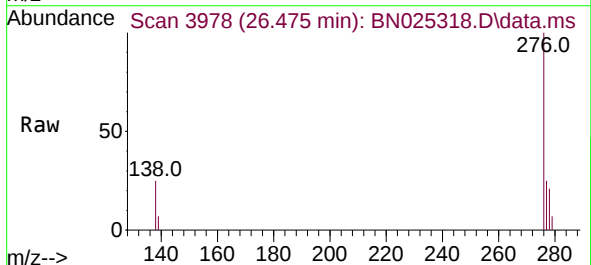
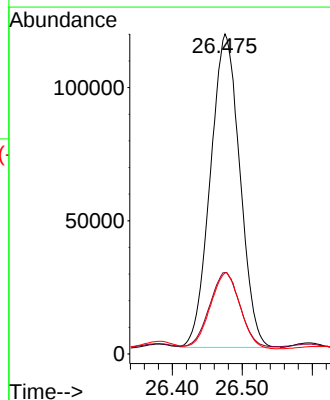
Tgt Ion:276 Resp: 343495

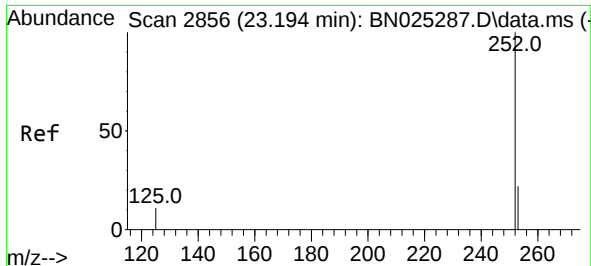
Ion Ratio Lower Upper

276 100

138 24.0 22.5 33.7

277 24.7 19.8 29.6

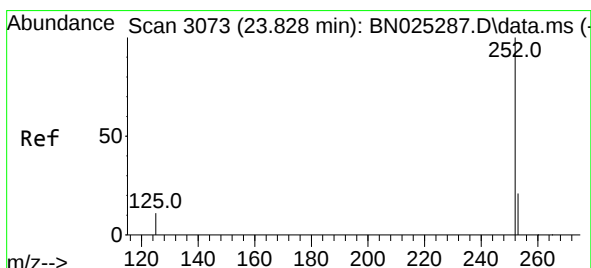
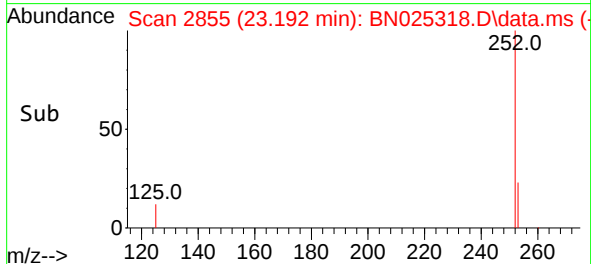
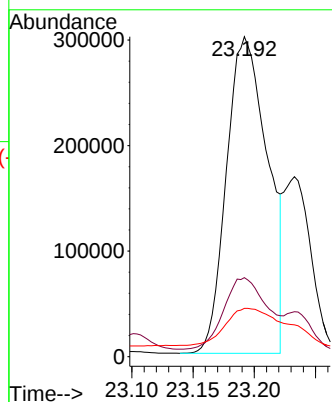
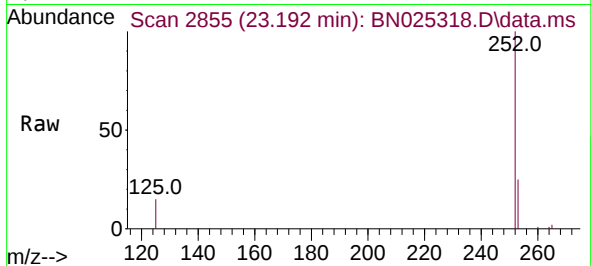




#37
Benzo(b)fluoranthene
Concen: 8.756 ng
RT: 23.192 min Scan# 21
Delta R.T. -0.002 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

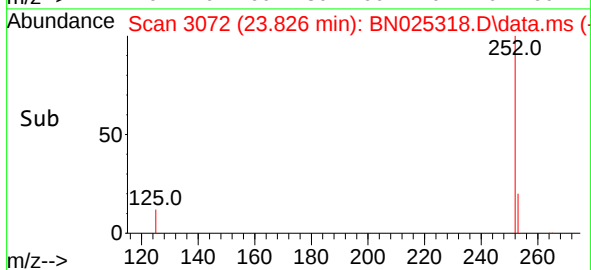
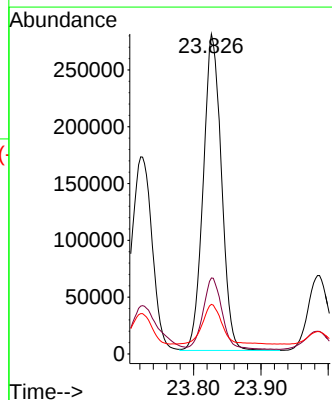
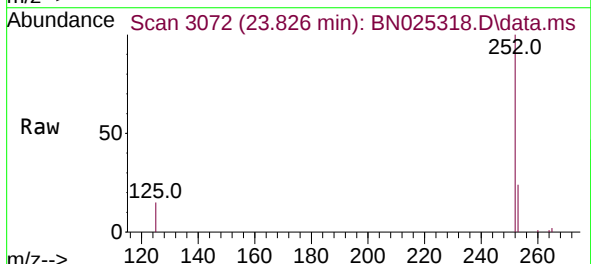
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023

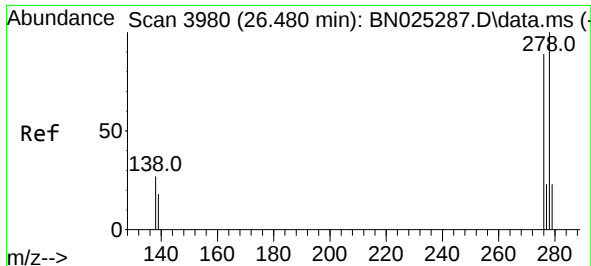
Tgt Ion:252 Resp: 700920
Ion Ratio Lower Upper
252 100
253 24.7 20.8 31.2
125 15.1 13.4 20.2



#39
Benzo(a)pyrene
Concen: 6.372 ng
RT: 23.826 min Scan# 3072
Delta R.T. -0.002 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

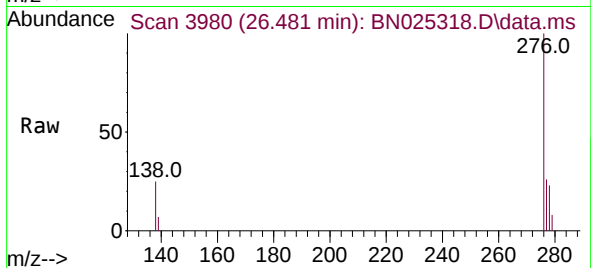
Tgt Ion:252 Resp: 522550
Ion Ratio Lower Upper
252 100
253 23.8 21.4 32.0
125 15.5 15.4 23.2



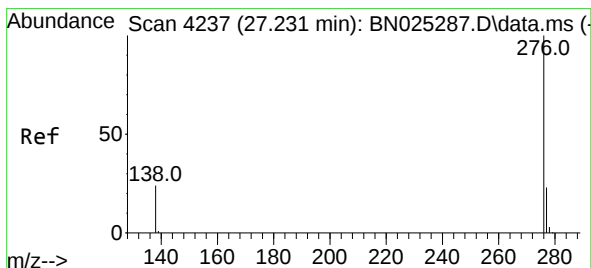
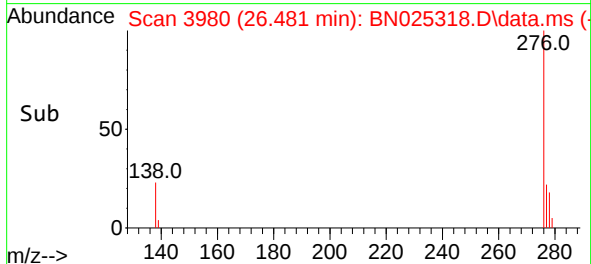
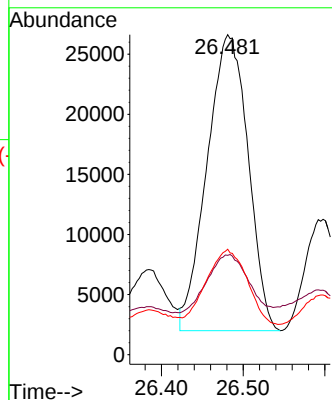


#40
Dibenzo(a,h)anthracene
Concen: 1.076 ng
RT: 26.481 min Scan# 3980
Delta R.T. 0.001 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:278 Resp: 86029
Ion Ratio Lower Upper
278 100
139 31.1 17.6 26.4#
279 32.9 21.6 32.4#



#41
Benzo(g,h,i)perylene
Concen: 3.982 ng
RT: 27.267 min Scan# 4249
Delta R.T. 0.036 min
Lab File: BN025318.D
Acq: 06 May 2023 16:32

Tgt Ion:276 Resp: 349596
Ion Ratio Lower Upper
276 100
277 25.2 20.1 30.1
138 25.8 21.0 31.6

