

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025336.D
 Acq On : 08 May 2023 17:09
 Operator : CG/JU
 Sample : 02588-04DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-C-0-3-05012023DL

Quant Time: May 09 04:03:09 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 18:27:02 2023
 Response via : Initial Calibration

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

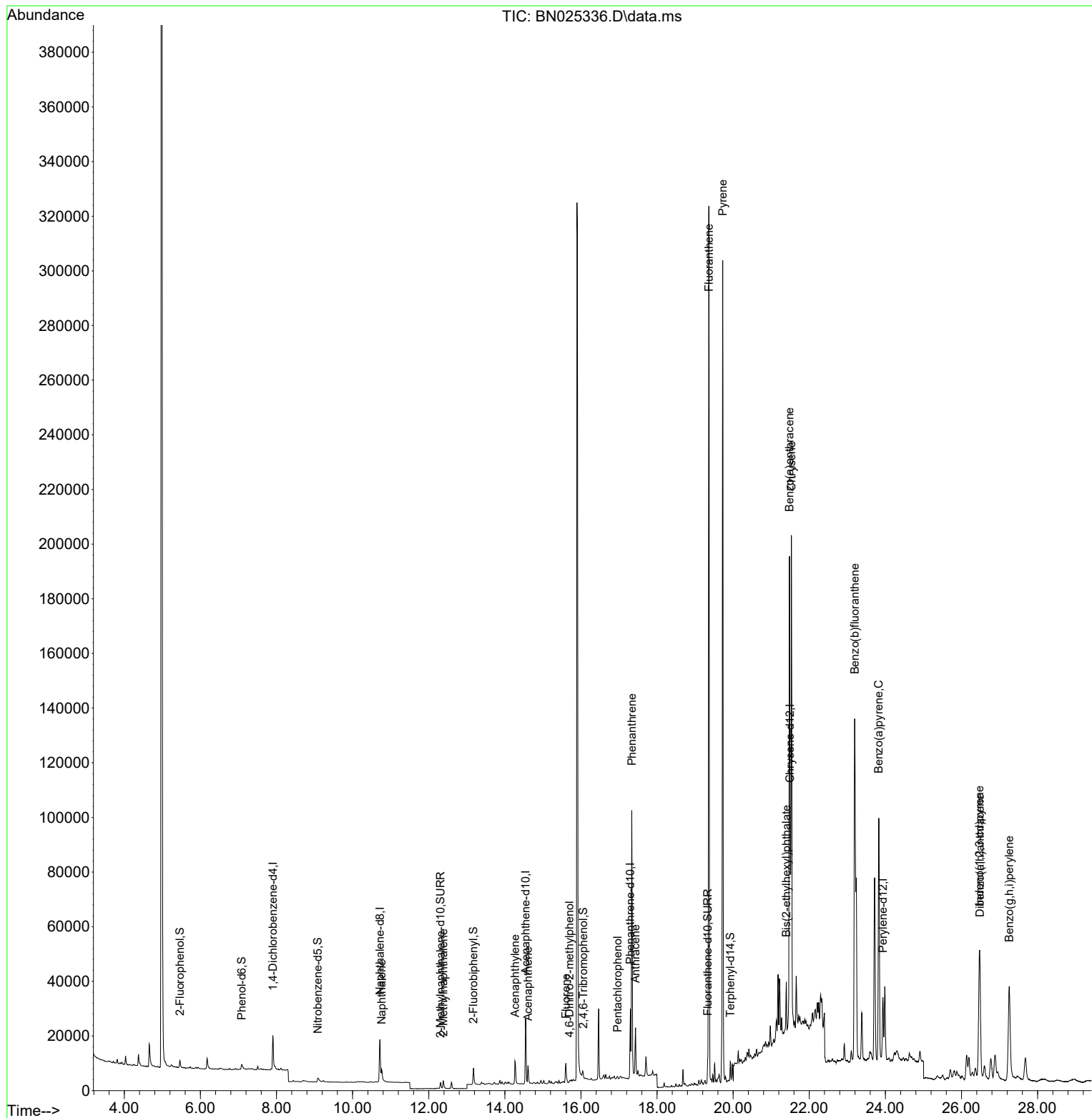
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	7643	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	24726	0.400	ng	0.00
13) Acenaphthene-d10	14.544	164	14575	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	32823	0.400	ng	0.00
29) Chrysene-d12	21.495	240	30974	0.400	ng	# 0.00
35) Perylene-d12	23.935	264	29250	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	2553	0.137	ng	0.00
5) Phenol-d6	7.088	99	2958	0.127	ng	0.01
8) Nitrobenzene-d5	9.084	82	2163	0.106	ng	0.00
11) 2-Methylnaphthalene-d10	12.309	152	4163	0.123	ng	0.00
14) 2,4,6-Tribromophenol	16.057	330	1092	0.147	ng	0.00
15) 2-Fluorobiphenyl	13.176	172	6104	0.122	ng	0.00
27) Fluoranthene-d10	19.330	212	9127	0.112	ng	0.00
31) Terphenyl-d14	19.924	244	7709	0.123	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.760	128	6249	0.099	ng	# 95
12) 2-Methylnaphthalene	12.381	142	2637	0.059	ng	# 93
16) Acenaphthylene	14.266	152	11038	0.169	ng	99
17) Acenaphthene	14.608	154	3313	0.082	ng	98
18) Fluorene	15.603	166	5182	0.093	ng	# 96
20) 4,6-Dinitro-2-methylph...	15.699	198	15	0.282	ng	# 1
24) Pentachlorophenol	16.963	266	84	0.277	ng	# 80
25) Phenanthrene	17.336	178	100953	1.112	ng	100
26) Anthracene	17.435	178	21029	0.247	ng	100
28) Fluoranthene	19.363	202	292377	2.577	ng	99
30) Pyrene	19.726	202	263579	2.489	ng	96
32) Benzo(a)anthracene	21.477	228	149208	1.425	ng	99
33) Chrysene	21.531	228	154624	1.484	ng	98
34) Bis(2-ethylhexyl)phtha...	21.396	149	17471	0.213	ng	95
36) Indeno(1,2,3-cd)pyrene	26.475	276	85030	0.725	ng	95
37) Benzo(b)fluoranthene	23.192	252	214754	2.316	ng	96
39) Benzo(a)pyrene	23.826	252	133537	1.406	ng	95
40) Dibenzo(a,h)anthracene	26.484	278	20387	0.220	ng	# 78
41) Benzo(g,h,i)perylene	27.253	276	83259	0.819	ng	99

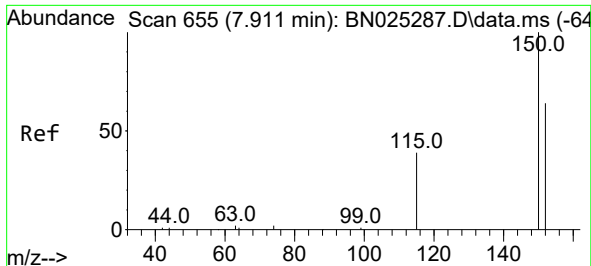
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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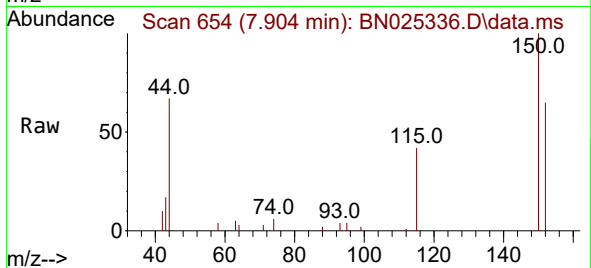
Quant Time: May 09 04:03:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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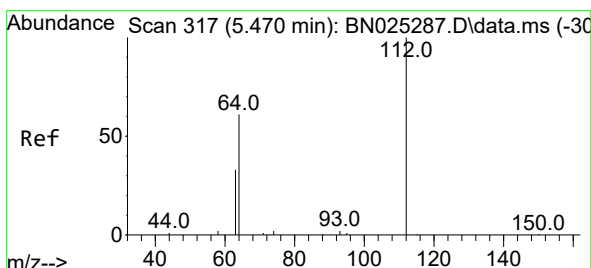
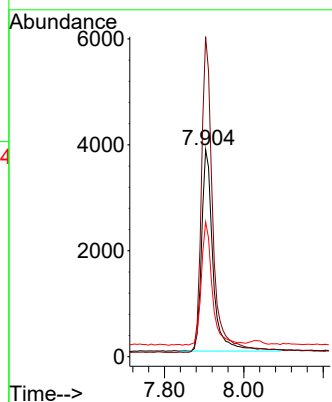
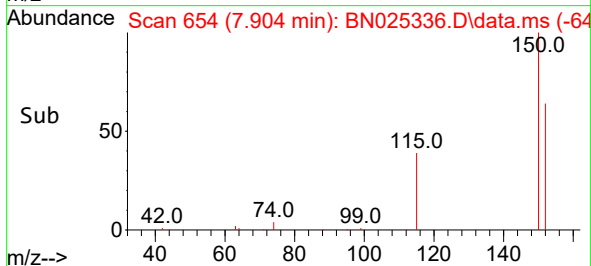


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023DL

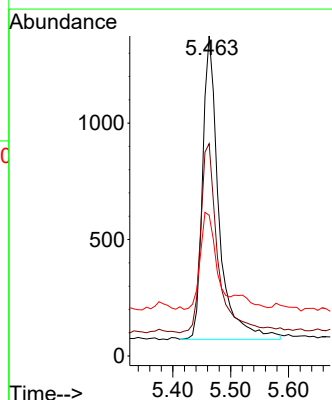
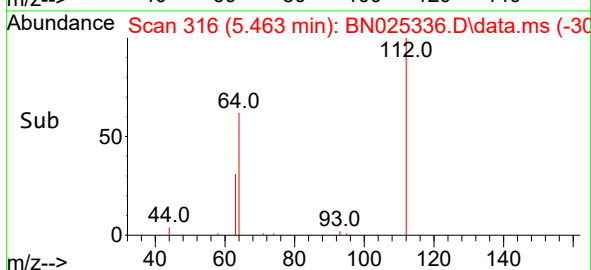
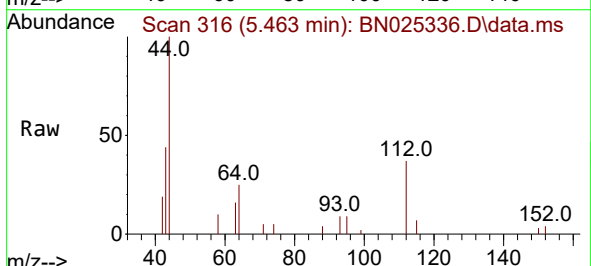


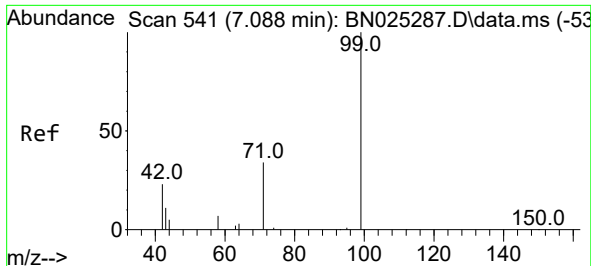
Tgt Ion:152 Resp: 7643
Ion Ratio Lower Upper
152 100
150 154.5 123.8 185.8
115 65.0 52.9 79.3



#4
2-Fluorophenol
Concen: 0.137 ng
RT: 5.463 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

Tgt Ion:112 Resp: 2553
Ion Ratio Lower Upper
112 100
64 66.5 51.5 77.3
63 31.2 27.8 41.6

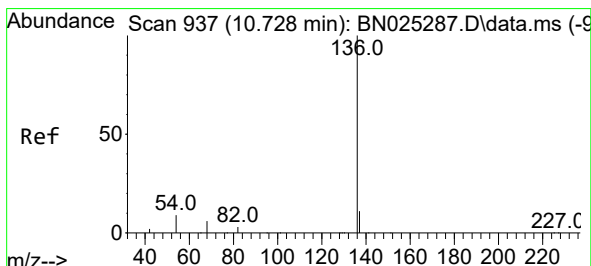
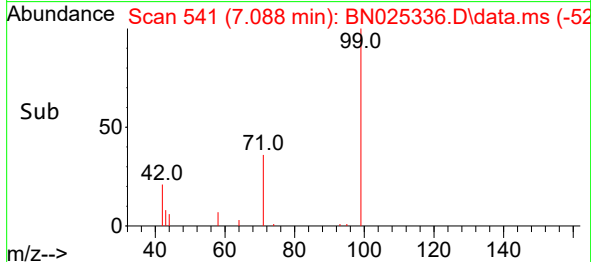
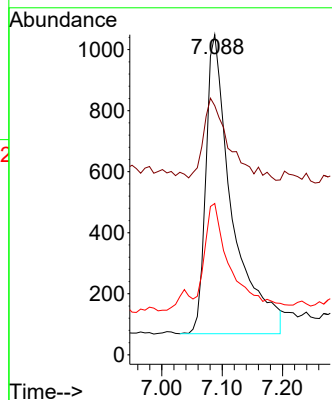
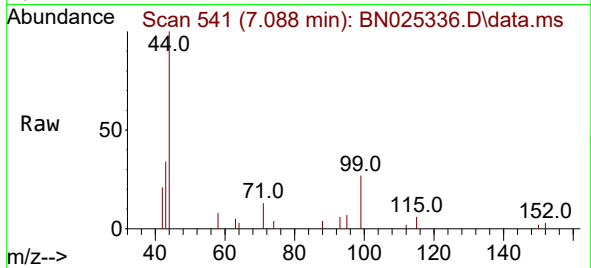




#5
Phenol-d6
Concen: 0.127 ng
RT: 7.088 min Scan# 541
Delta R.T. 0.014 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

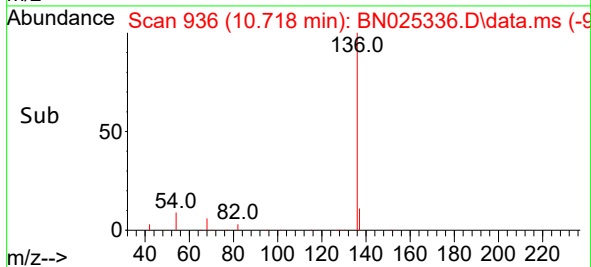
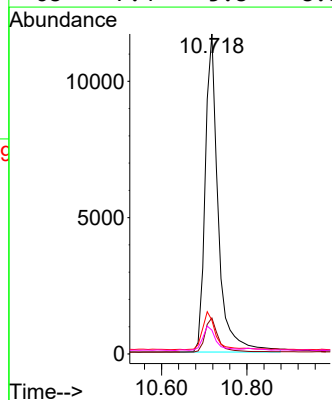
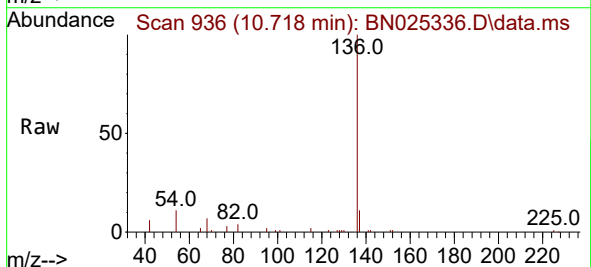
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023DL

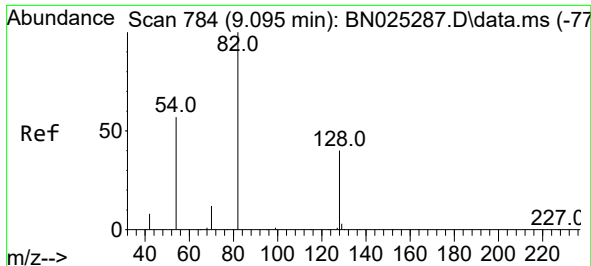
Tgt Ion: 99 Resp: 2958
Ion Ratio Lower Upper
99 100
42 26.9 22.0 33.0
71 30.9 28.7 43.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

Tgt Ion: 136 Resp: 24726
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.2
54 10.5 8.5 12.7
68 7.4 5.8 8.8

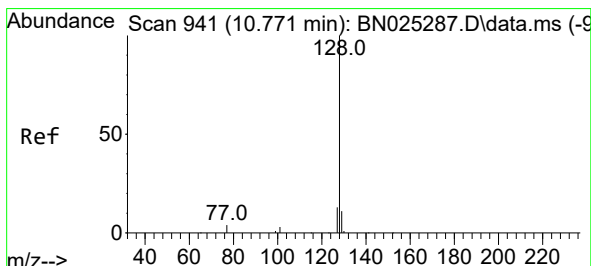
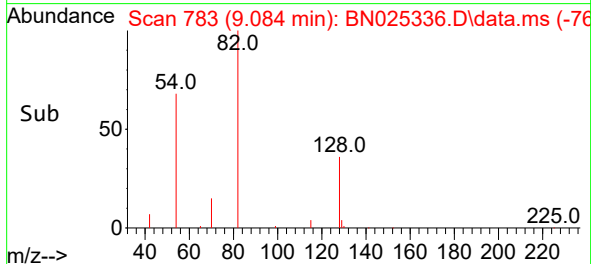
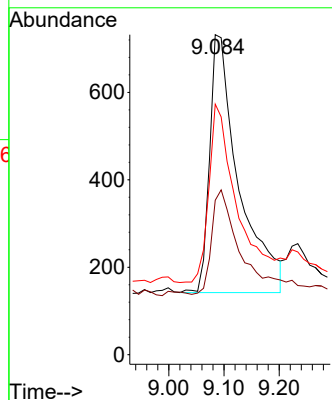
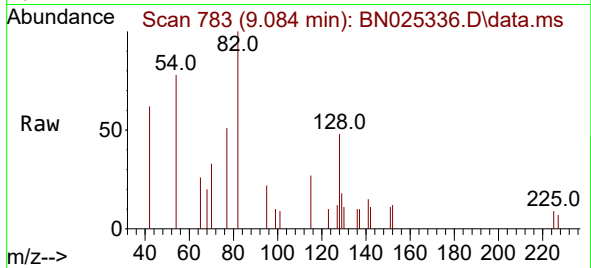




#8
Nitrobenzene-d5
Concen: 0.106 ng
RT: 9.084 min Scan# 784
Delta R.T. -0.000 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

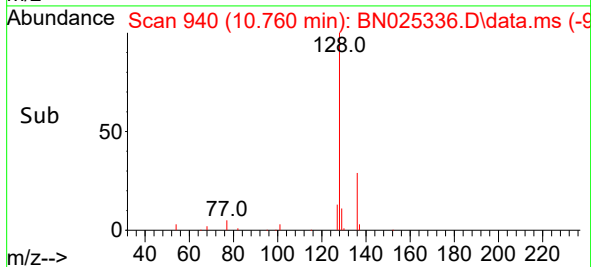
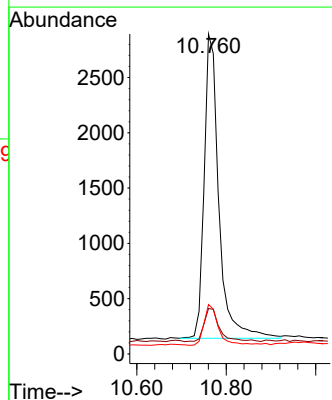
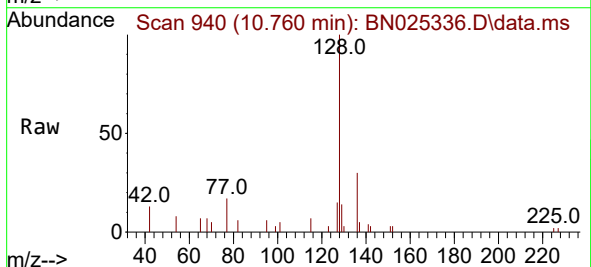
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023DL

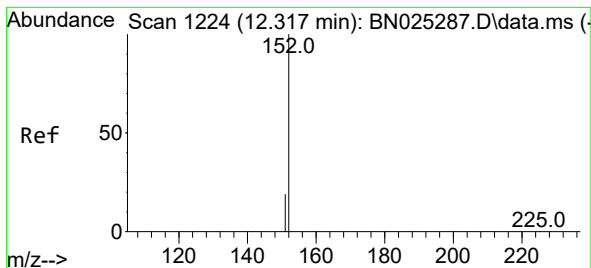
Tgt Ion: 82 Resp: 2163
Ion Ratio Lower Upper
82 100
128 48.2 35.3 52.9
54 78.3 48.7 73.1#



#9
Naphthalene
Concen: 0.099 ng
RT: 10.760 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

Tgt Ion: 128 Resp: 6249
Ion Ratio Lower Upper
128 100
129 14.2 9.4 14.2#
127 15.4 11.0 16.6

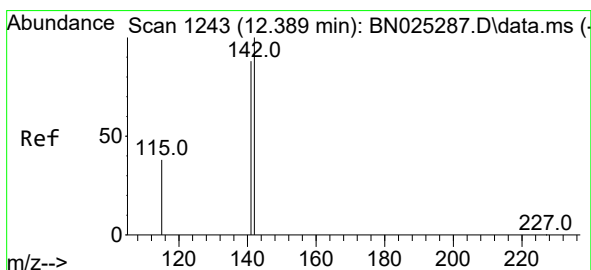
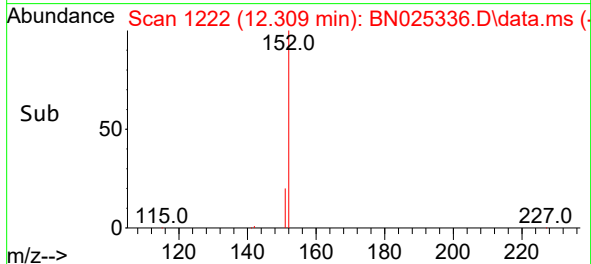
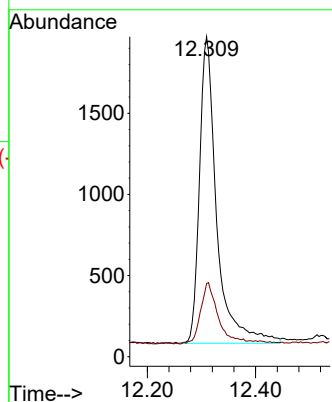
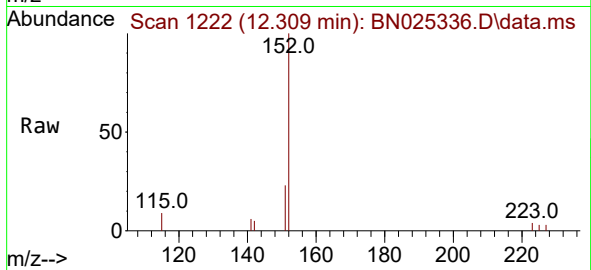




#11
2-Methylnaphthalene-d10
Concen: 0.123 ng
RT: 12.309 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

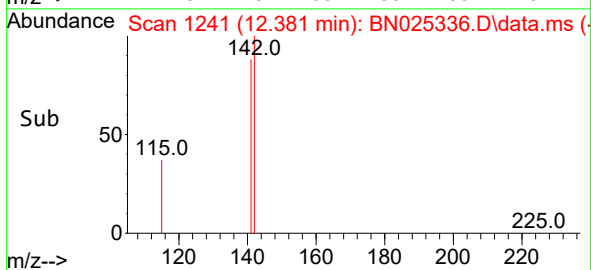
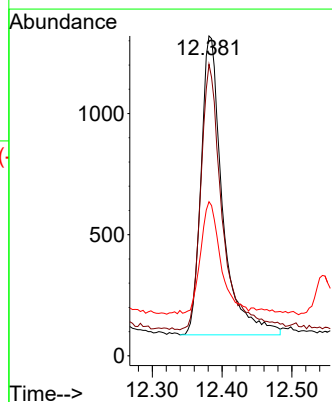
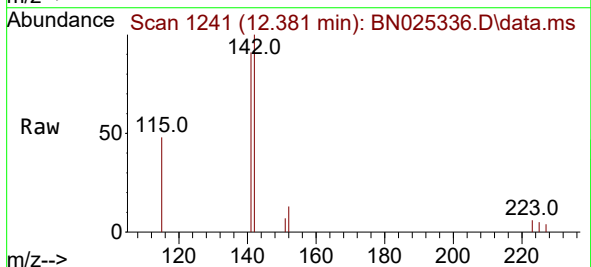
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023DL

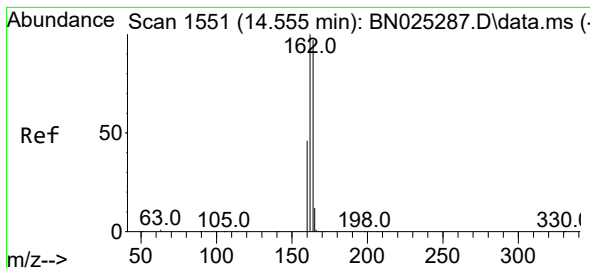
Tgt Ion:152 Resp: 4163
Ion Ratio Lower Upper
152 100
151 20.5 16.4 24.6



#12
2-Methylnaphthalene
Concen: 0.059 ng
RT: 12.381 min Scan# 1241
Delta R.T. -0.000 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

Tgt Ion:142 Resp: 2637
Ion Ratio Lower Upper
142 100
141 91.1 70.5 105.7
115 48.2 31.6 47.4#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.544 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BN025336.D

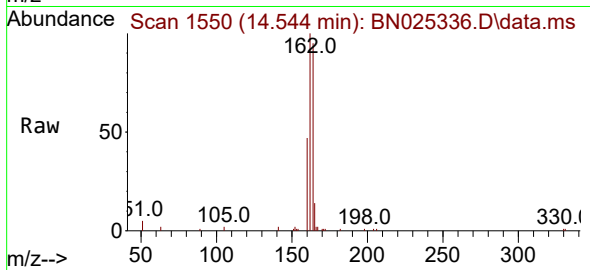
Acq: 08 May 2023 17:09

Instrument :

BNA_N

ClientSampleId :

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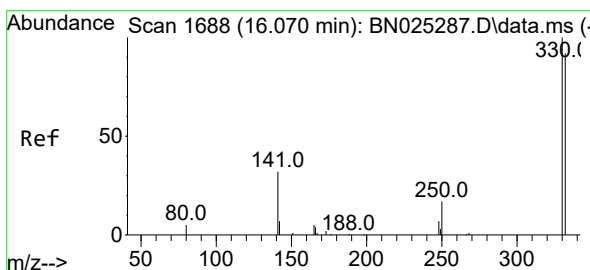
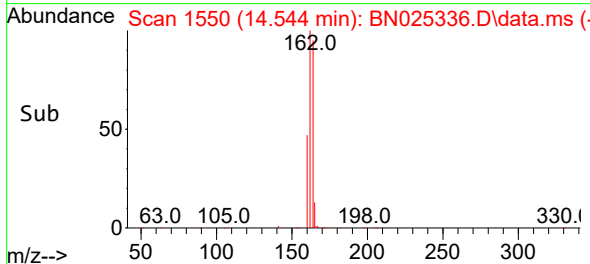
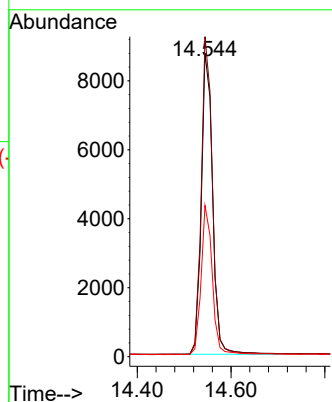
Tgt Ion:164 Resp: 14575

Ion Ratio Lower Upper

164 100

162 105.5 82.1 123.1

160 49.9 38.3 57.5



#14

2,4,6-Tribromophenol

Concen: 0.147 ng

RT: 16.057 min Scan# 1687

Delta R.T. -0.000 min

Lab File: BN025336.D

Acq: 08 May 2023 17:09

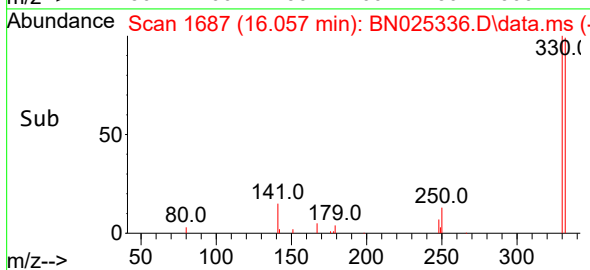
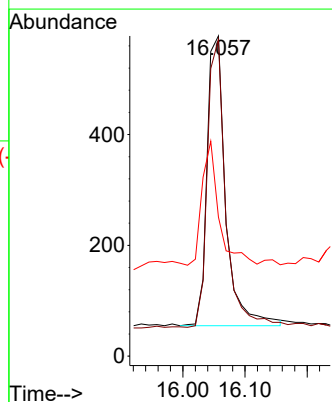
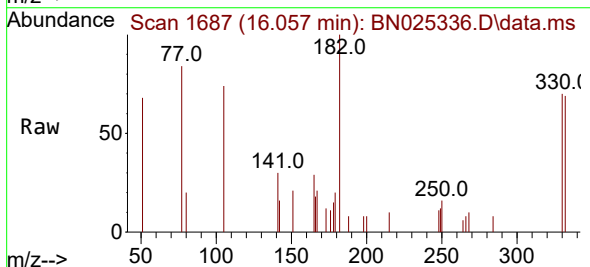
Tgt Ion:330 Resp: 1092

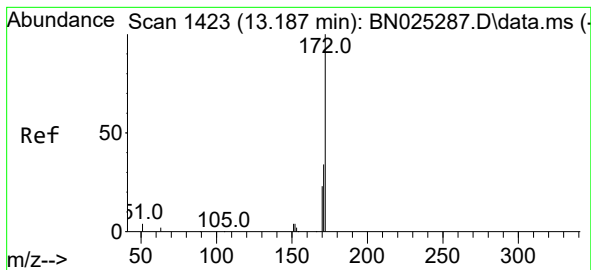
Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

141 38.6 28.9 43.3





#15

2-Fluorobiphenyl

Concen: 0.122 ng

RT: 13.176 min Scan# 1423

Delta R.T. -0.000 min

Lab File: BN025336.D

Acq: 08 May 2023 17:09

Instrument :

BNA_N

ClientSampleId :

ZONE-C-0-3-05012023DL

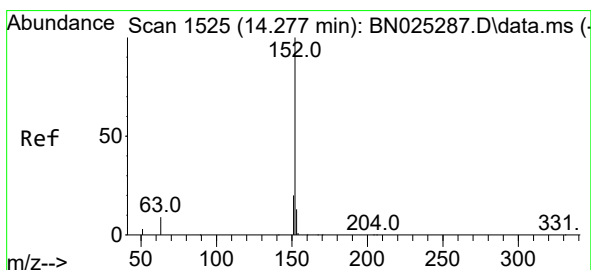
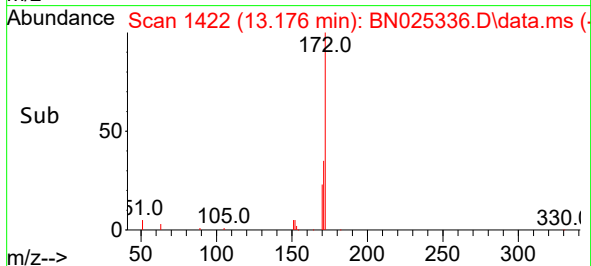
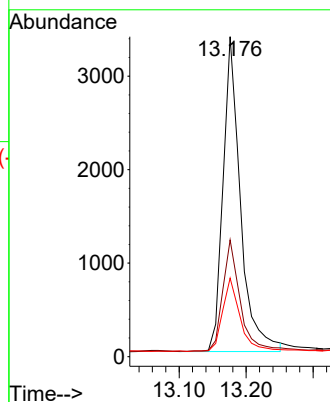
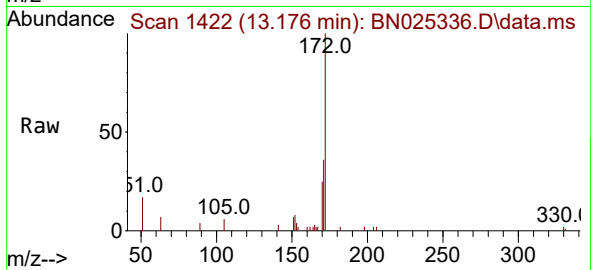
Tgt Ion:172 Resp: 6104

Ion Ratio Lower Upper

172 100

171 36.5 27.9 41.9

170 24.5 19.0 28.4



#16

Acenaphthylene

Concen: 0.169 ng

RT: 14.266 min Scan# 1524

Delta R.T. -0.000 min

Lab File: BN025336.D

Acq: 08 May 2023 17:09

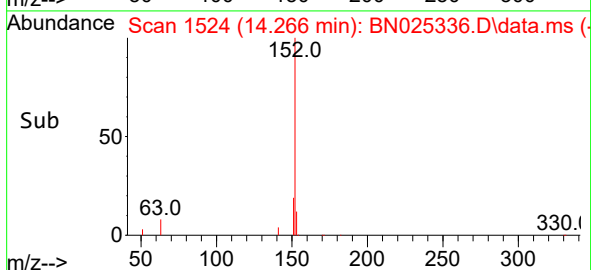
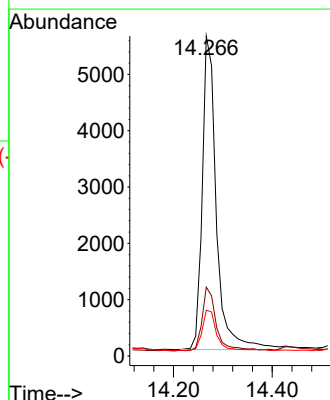
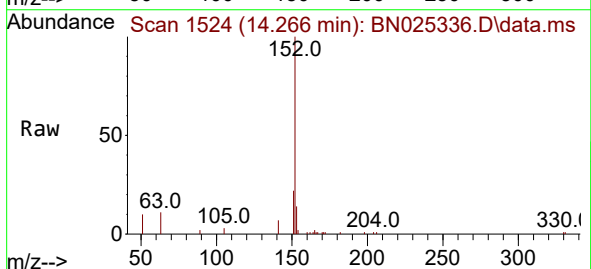
Tgt Ion:152 Resp: 11038

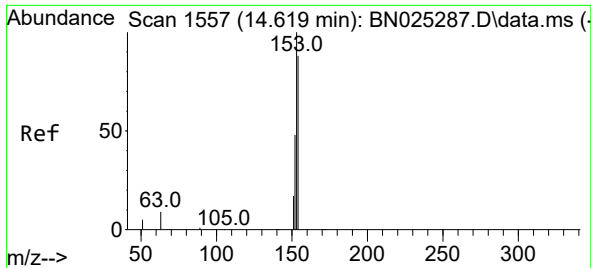
Ion Ratio Lower Upper

152 100

151 20.7 16.1 24.1

153 12.9 10.3 15.5

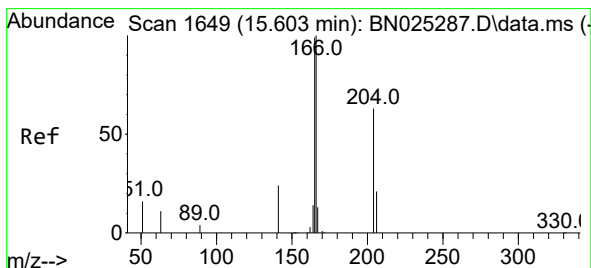
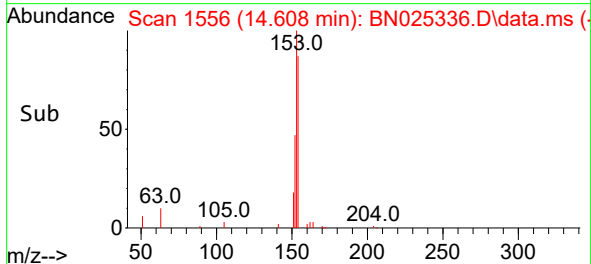
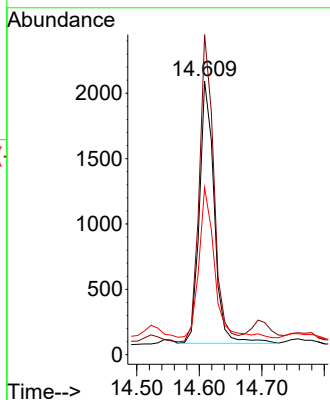
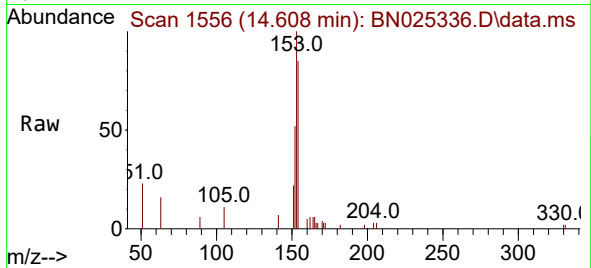




#17
Acenaphthene
Concen: 0.082 ng
RT: 14.608 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

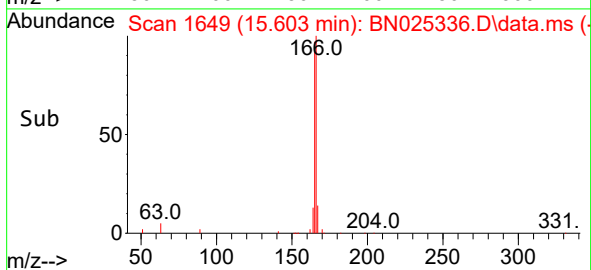
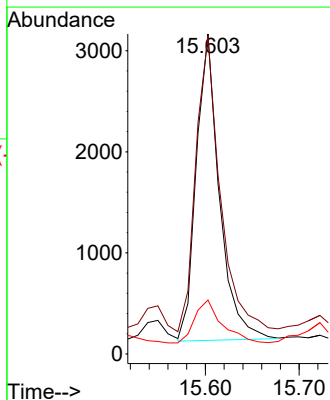
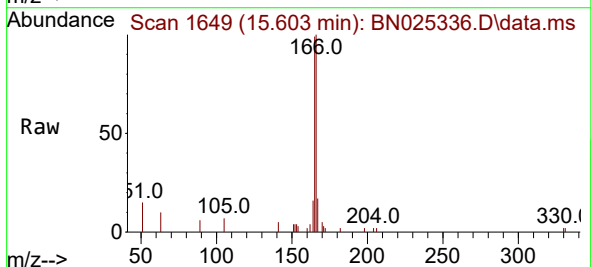
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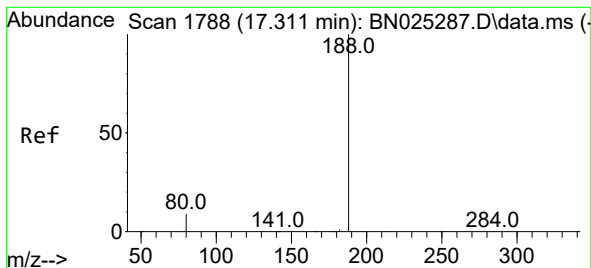
Tgt Ion:154 Resp: 3313
Ion Ratio Lower Upper
154 100
153 114.9 91.3 136.9
152 59.6 44.7 67.1



#18
Fluorene
Concen: 0.093 ng
RT: 15.603 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

Tgt Ion:166 Resp: 5182
Ion Ratio Lower Upper
166 100
165 102.4 79.0 118.4
167 16.7 10.3 15.5#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.298 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN025336.D

Acq: 08 May 2023 17:09

Instrument :

BNA_N

ClientSampleId :

ZONE-C-0-3-05012023DL

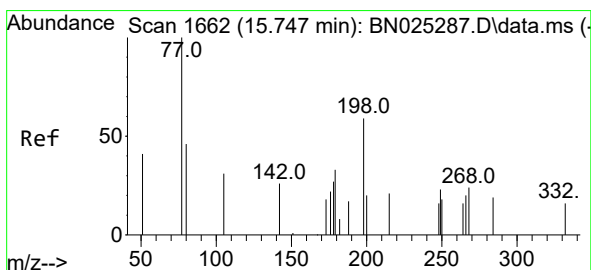
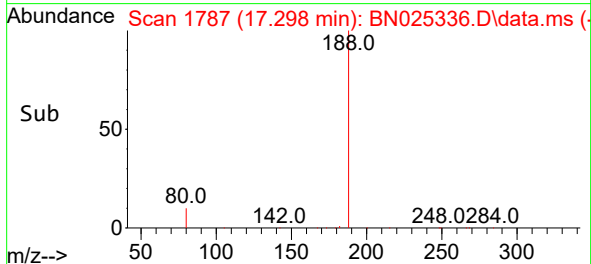
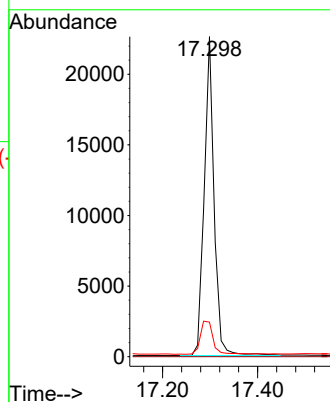
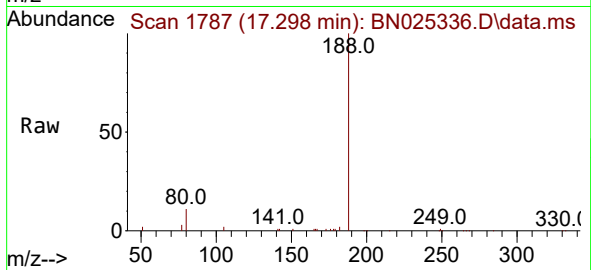
Tgt Ion:188 Resp: 32823

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.8 8.0 12.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.282 ng

RT: 15.699 min Scan# 1658

Delta R.T. -0.011 min

Lab File: BN025336.D

Acq: 08 May 2023 17:09

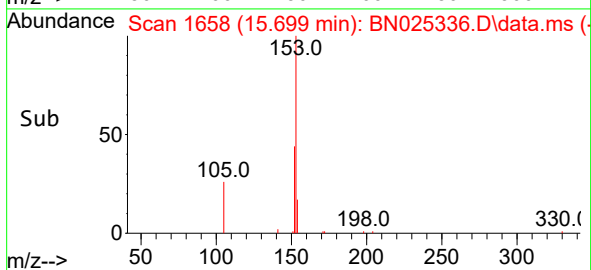
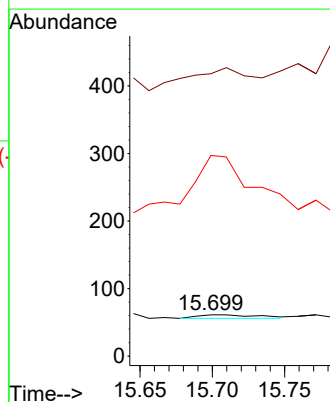
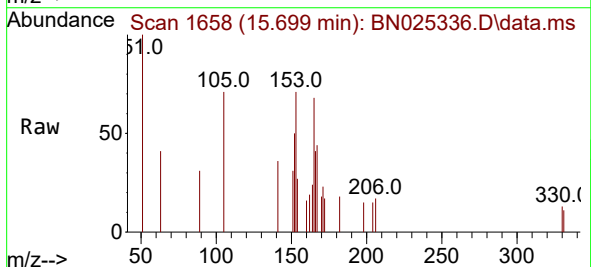
Tgt Ion:198 Resp: 15

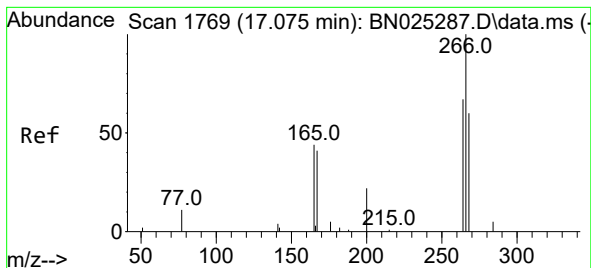
Ion Ratio Lower Upper

198 100

51 685.2 162.1 243.1#

105 486.9 83.1 124.7#





#24

Pentachlorophenol

Concen: 0.277 ng

RT: 16.963 min Scan# 1760

Delta R.T. -0.000 min

Lab File: BN025336.D

Acq: 08 May 2023 17:09

Instrument :

BNA_N

ClientSampleId :

ZONE-C-0-3-05012023DL

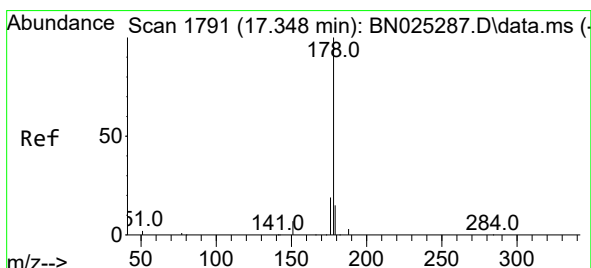
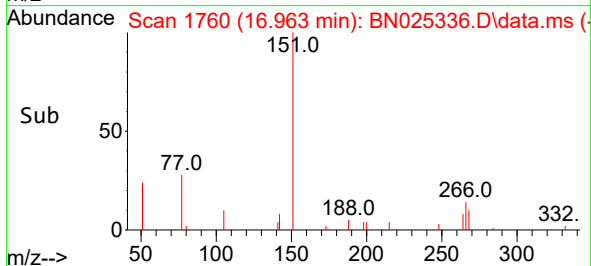
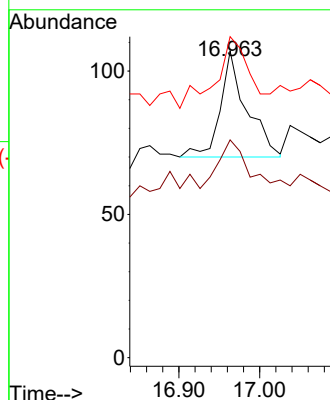
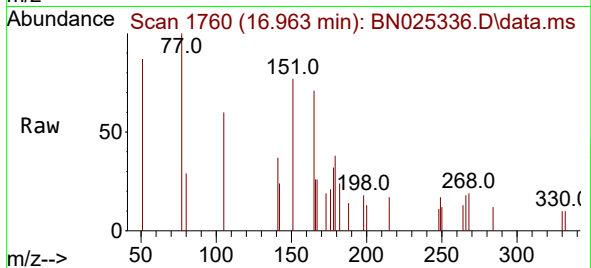
Tgt Ion:266 Resp: 84

Ion Ratio Lower Upper

266 100

264 52.4 43.0 64.4

268 86.9 47.4 71.2#



#25

Phenanthrene

Concen: 1.112 ng

RT: 17.336 min Scan# 1790

Delta R.T. -0.000 min

Lab File: BN025336.D

Acq: 08 May 2023 17:09

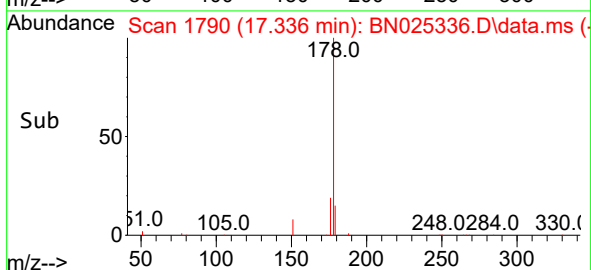
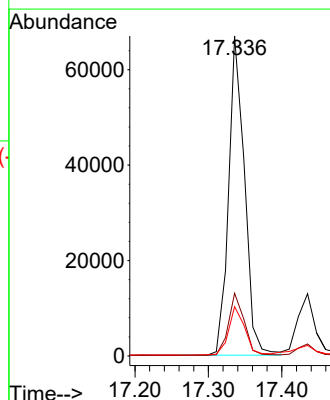
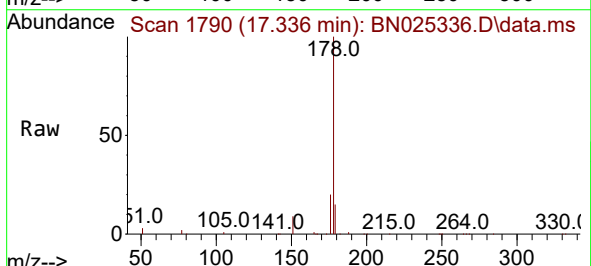
Tgt Ion:178 Resp: 100953

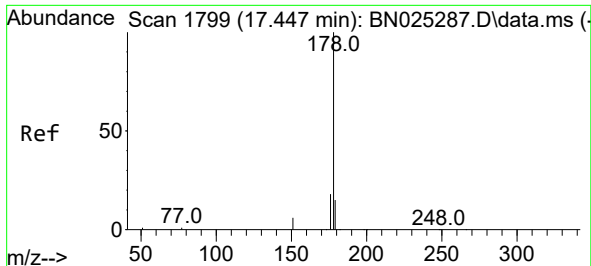
Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.4 12.4 18.6

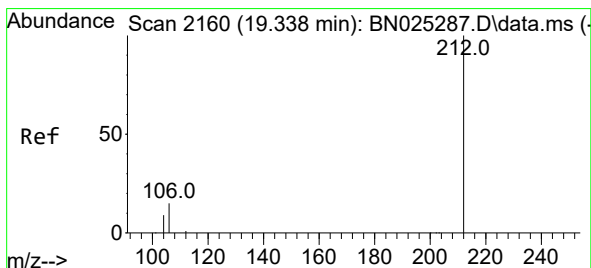
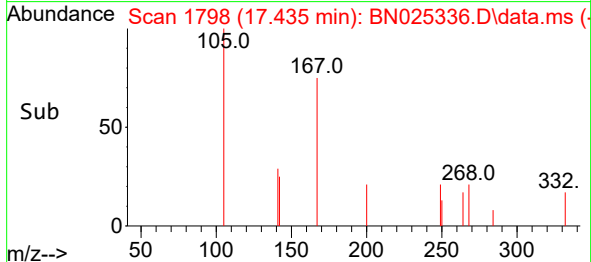
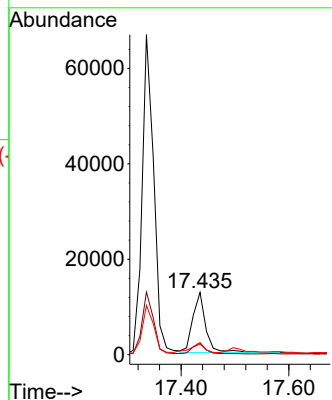
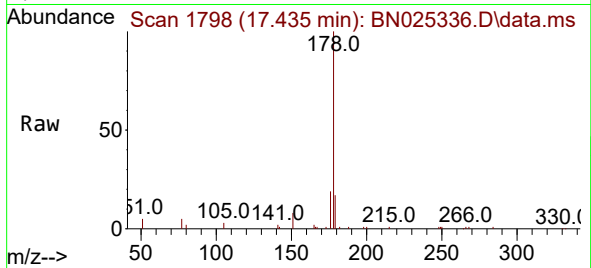




#26
 Anthracene
 Concen: 0.247 ng
 RT: 17.435 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN025336.D
 Acq: 08 May 2023 17:09

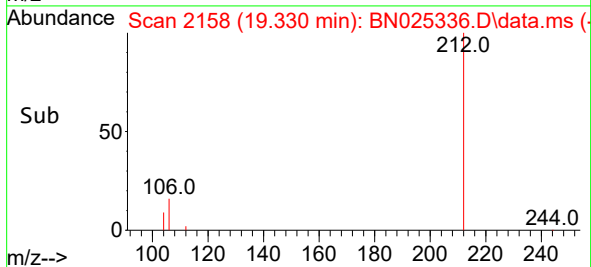
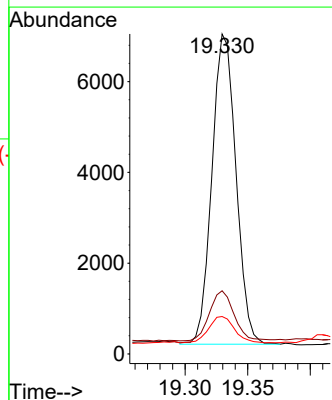
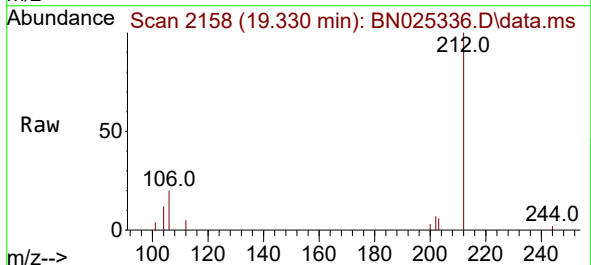
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-C-0-3-05012023DL

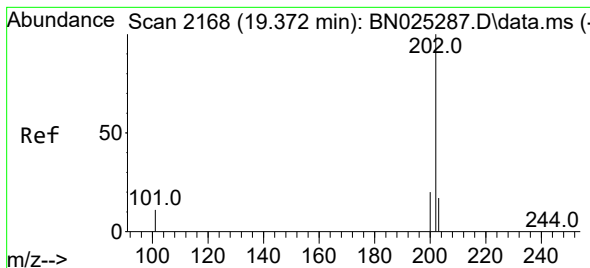
Tgt Ion:178 Resp: 21029
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 14.8 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.112 ng
 RT: 19.330 min Scan# 2158
 Delta R.T. -0.004 min
 Lab File: BN025336.D
 Acq: 08 May 2023 17:09

Tgt Ion:212 Resp: 9127
 Ion Ratio Lower Upper
 212 100
 106 16.5 12.6 19.0
 104 9.4 7.0 10.6





#28

Fluoranthene

Concen: 2.577 ng

RT: 19.363 min Scan# 2166

Delta R.T. -0.000 min

Lab File: BN025336.D

Acq: 08 May 2023 17:09

Instrument :

BNA_N

ClientSampleId :

ZONE-C-0-3-05012023DL

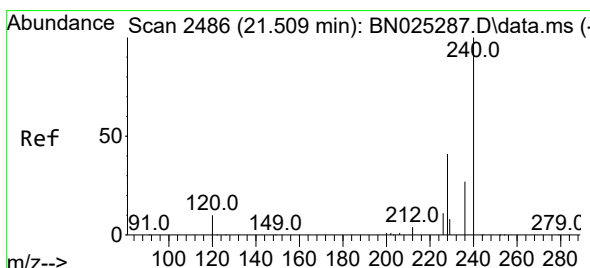
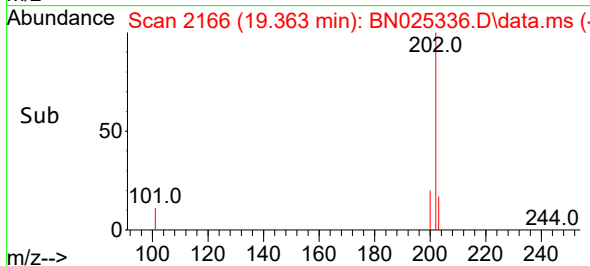
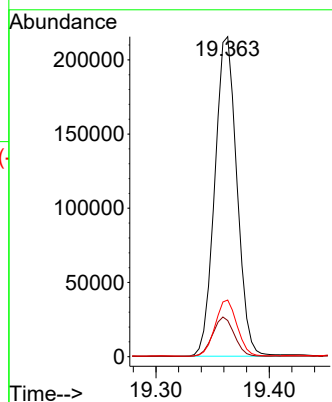
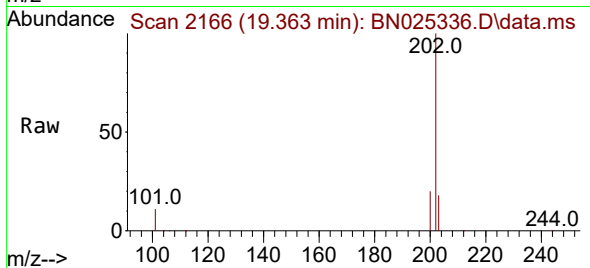
Tgt Ion:202 Resp: 292377

Ion Ratio Lower Upper

202 100

101 12.1 9.8 14.8

203 17.4 13.5 20.3



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.495 min Scan# 2485

Delta R.T. -0.005 min

Lab File: BN025336.D

Acq: 08 May 2023 17:09

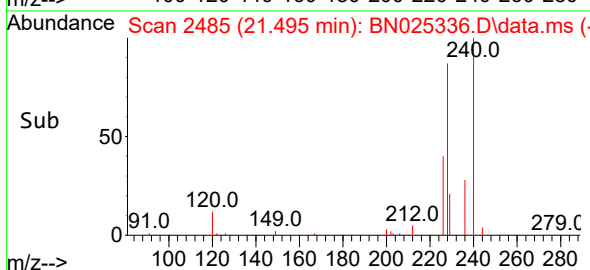
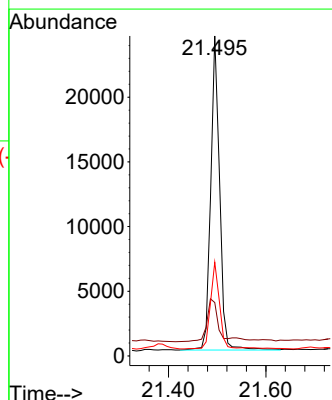
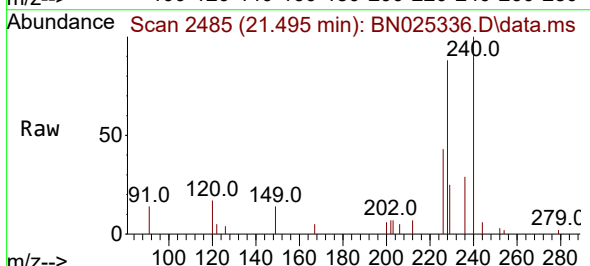
Tgt Ion:240 Resp: 30974

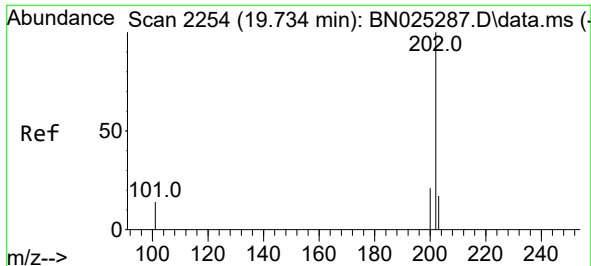
Ion Ratio Lower Upper

240 100

120 16.7 10.3 15.5

236 29.3 22.3 33.5

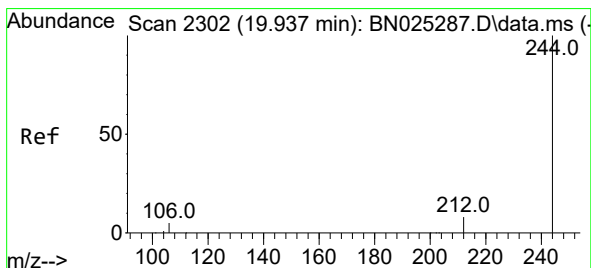
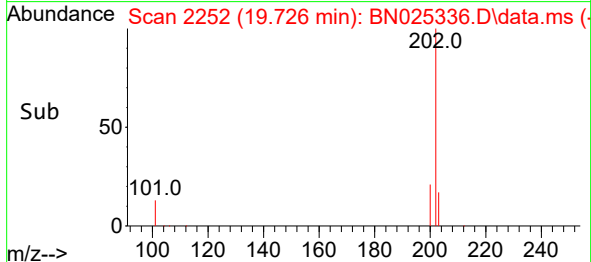
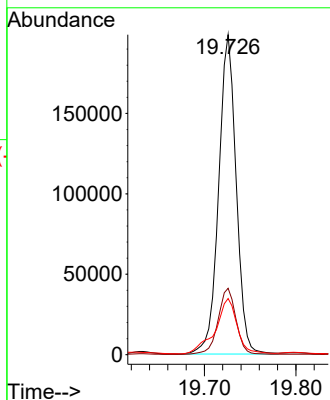
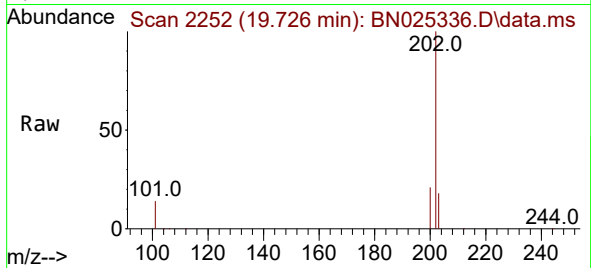




#30
Pyrene
Concen: 2.489 ng
RT: 19.726 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

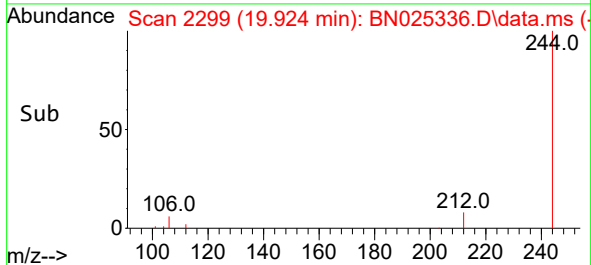
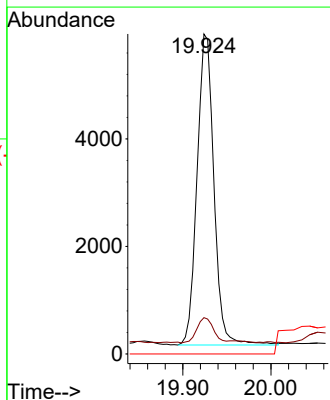
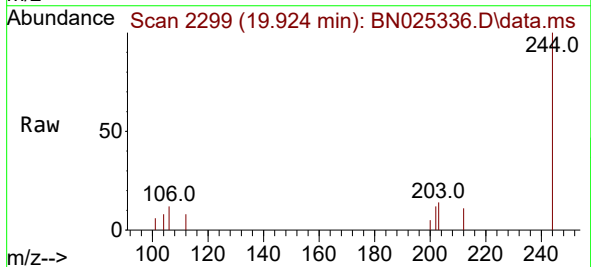
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023DL

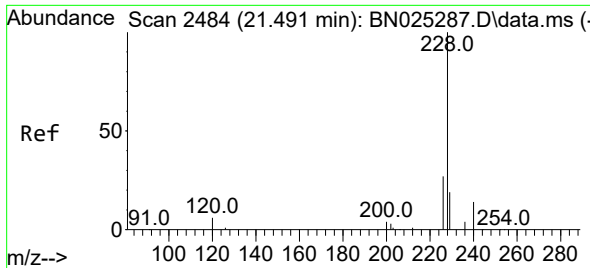
Tgt Ion:202 Resp: 263579
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 21.5 14.4 21.6



#31
Terphenyl-d14
Concen: 0.123 ng
RT: 19.924 min Scan# 2299
Delta R.T. -0.004 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

Tgt Ion:244 Resp: 7709
Ion Ratio Lower Upper
244 100
212 11.3 7.1 10.7#
122 0.0 0.0 0.0

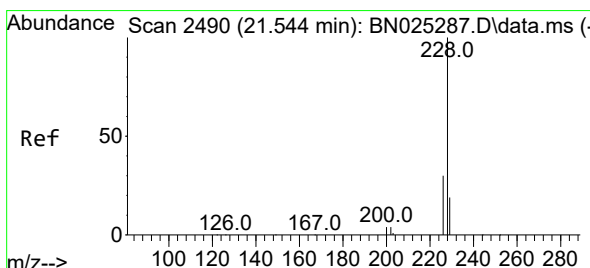
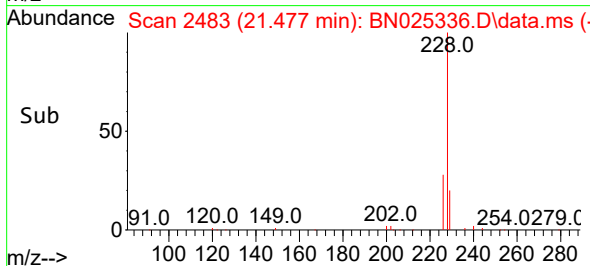
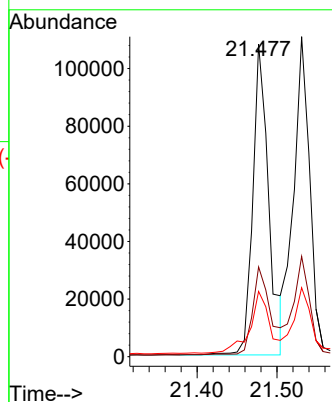
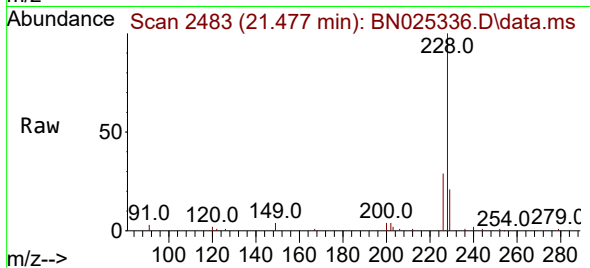




#32
Benzo(a)anthracene
Concen: 1.425 ng
RT: 21.477 min Scan# 2483
Delta R.T. -0.005 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

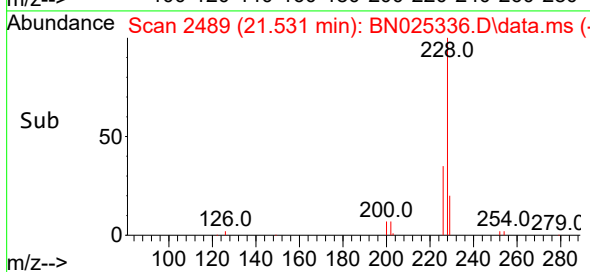
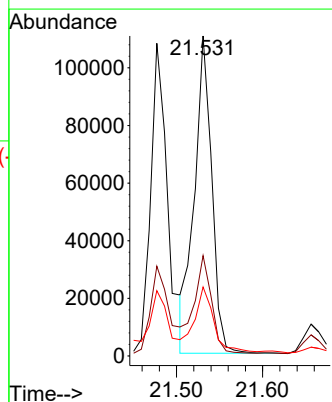
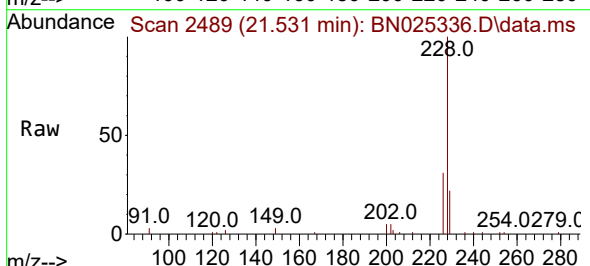
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023DL

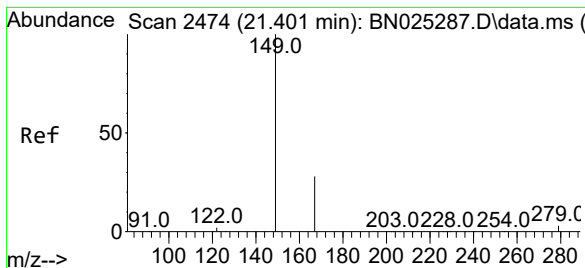
Tgt Ion:228 Resp: 149208
Ion Ratio Lower Upper
228 100
226 28.7 22.5 33.7
229 20.9 16.2 24.2



#33
Chrysene
Concen: 1.484 ng
RT: 21.531 min Scan# 2489
Delta R.T. -0.005 min
Lab File: BN025336.D
Acq: 08 May 2023 17:09

Tgt Ion:228 Resp: 154624
Ion Ratio Lower Upper
228 100
226 31.3 24.6 36.8
229 21.5 16.2 24.4

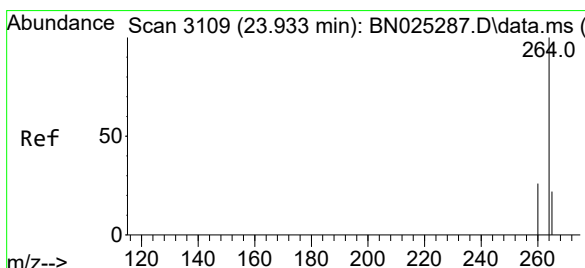
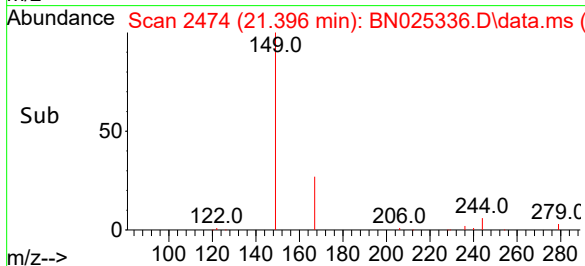
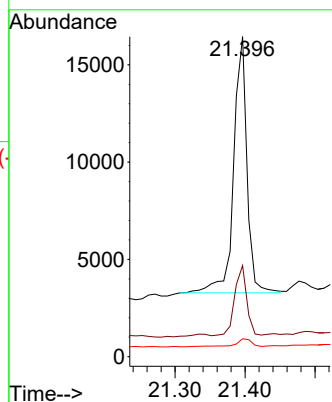
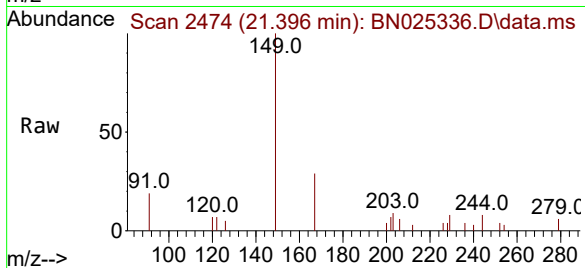




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.213 ng
 RT: 21.396 min Scan# 2474
 Delta R.T. 0.004 min
 Lab File: BN025336.D
 Acq: 08 May 2023 17:09

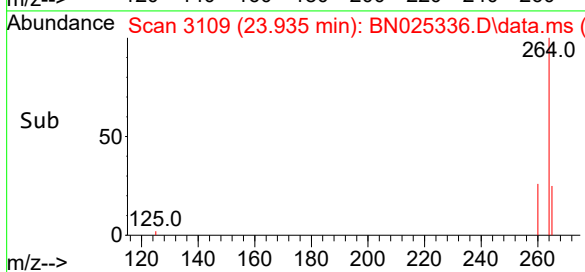
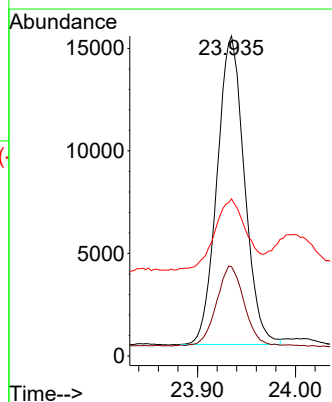
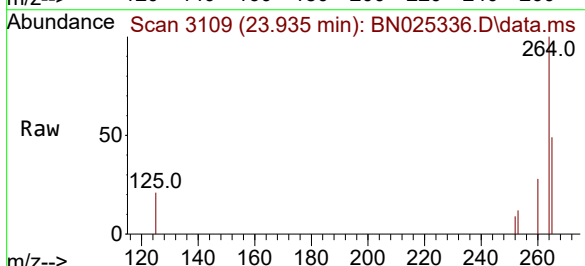
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-C-0-3-05012023DL

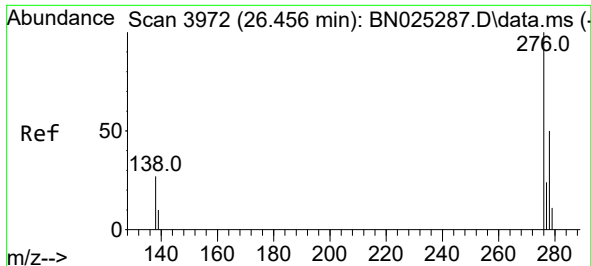
Tgt Ion:149 Resp: 17471
 Ion Ratio Lower Upper
 149 100
 167 24.7 22.2 33.4
 279 3.7 2.6 4.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.935 min Scan# 3109
 Delta R.T. 0.004 min
 Lab File: BN025336.D
 Acq: 08 May 2023 17:09

Tgt Ion:264 Resp: 29250
 Ion Ratio Lower Upper
 264 100
 260 27.9 21.5 32.3
 265 49.1 46.2 69.4

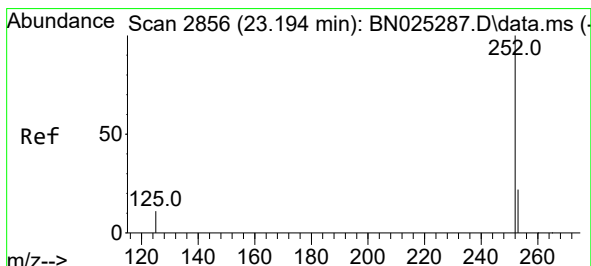
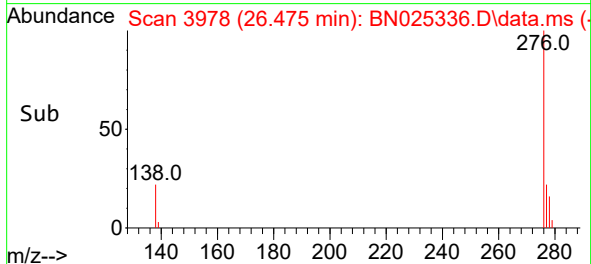
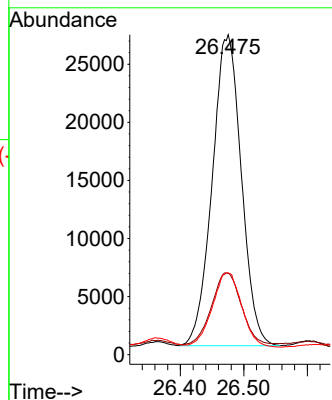
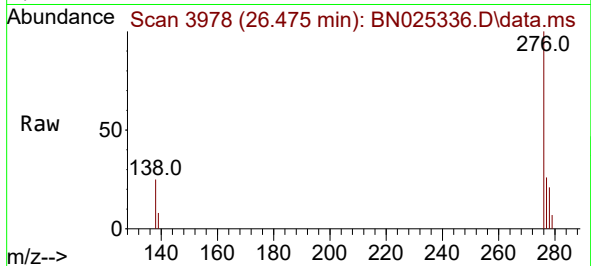




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.725 ng
 RT: 26.475 min Scan# 3978
 Delta R.T. 0.027 min
 Lab File: BN025336.D
 Acq: 08 May 2023 17:09

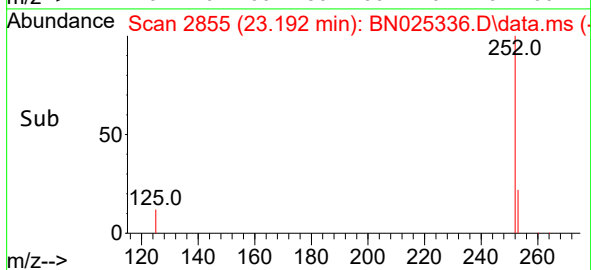
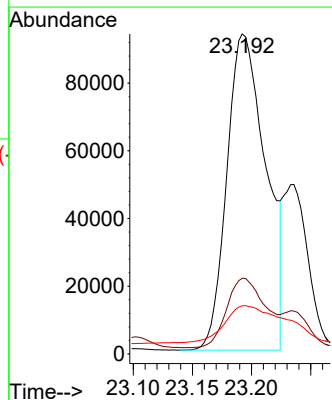
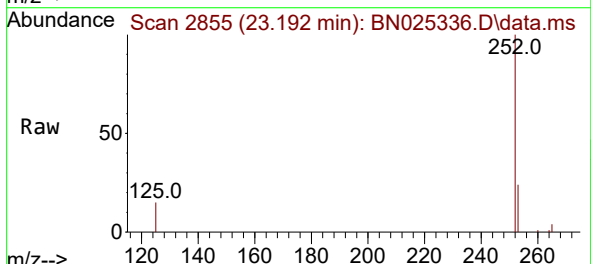
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-C-0-3-05012023DL

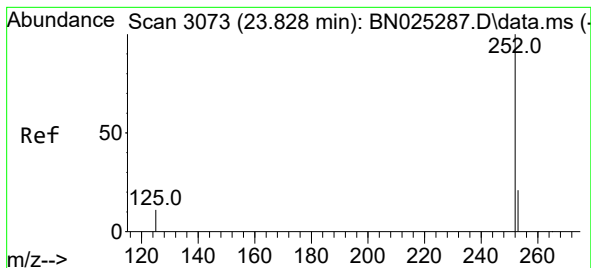
Tgt Ion:276 Resp: 85030
 Ion Ratio Lower Upper
 276 100
 138 23.5 22.5 33.7
 277 24.3 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 2.316 ng
 RT: 23.192 min Scan# 2855
 Delta R.T. 0.004 min
 Lab File: BN025336.D
 Acq: 08 May 2023 17:09

Tgt Ion:252 Resp: 214754
 Ion Ratio Lower Upper
 252 100
 253 23.6 20.8 31.2
 125 15.1 13.4 20.2





#39

Benzo(a)pyrene

Concen: 1.406 ng

RT: 23.826 min Scan# 3073

Delta R.T. 0.004 min

Lab File: BN025336.D

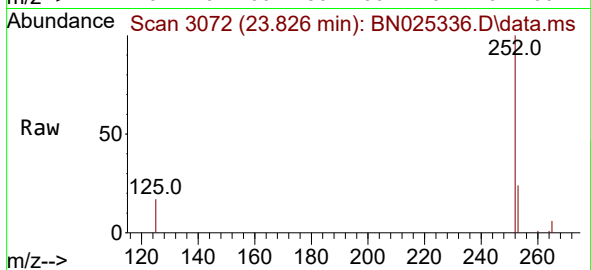
Acq: 08 May 2023 17:09

Instrument :

BNA_N

ClientSampleId :

ZONE-C-0-3-05012023DL



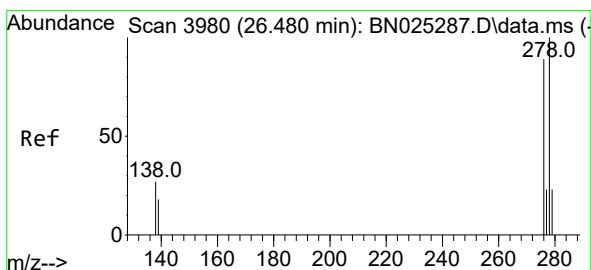
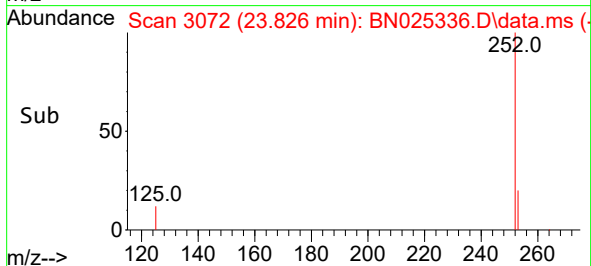
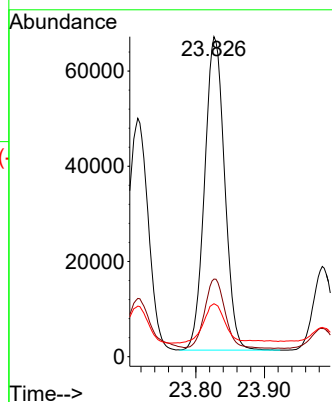
Tgt Ion:252 Resp: 133537

Ion Ratio Lower Upper

252 100

253 24.3 21.4 32.0

125 16.5 15.4 23.2



#40

Dibenzo(a,h)anthracene

Concen: 0.220 ng

RT: 26.484 min Scan# 3981

Delta R.T. 0.019 min

Lab File: BN025336.D

Acq: 08 May 2023 17:09

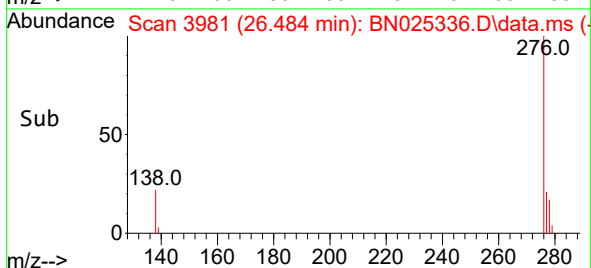
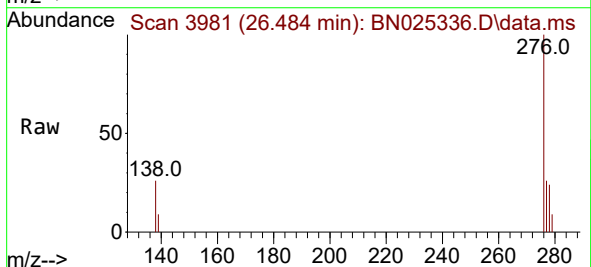
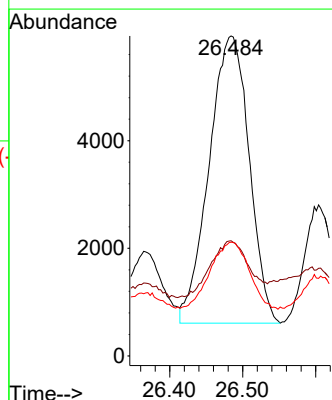
Tgt Ion:278 Resp: 20387

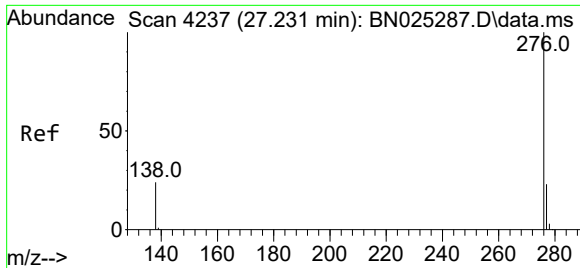
Ion Ratio Lower Upper

278 100

139 36.0 17.6 26.4#

279 35.5 21.6 32.4#





#41

Benzo(g,h,i)perylene

Concen: 0.819 ng

RT: 27.253 min Scan# 41

Delta R.T. 0.025 min

Lab File: BN025336.D

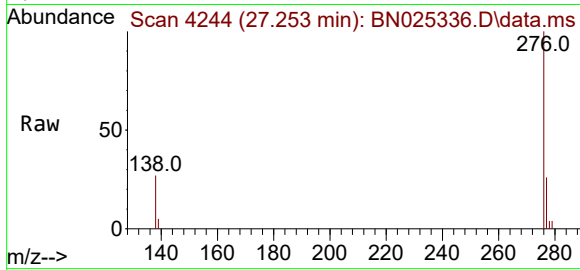
Acq: 08 May 2023 17:09

Instrument :

BNA_N

ClientSampleId :

ZONE-C-0-3-05012023DL



Tgt Ion:276 Resp: 83259

Ion Ratio Lower Upper

276 100

277 25.6 20.1 30.1

138 26.5 21.0 31.6

