

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025343.D
 Acq On : 08 May 2023 21:22
 Operator : CG/JU
 Sample : 02588-10 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-0-3-05022023DL

Quant Time: May 09 04:04:32 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)

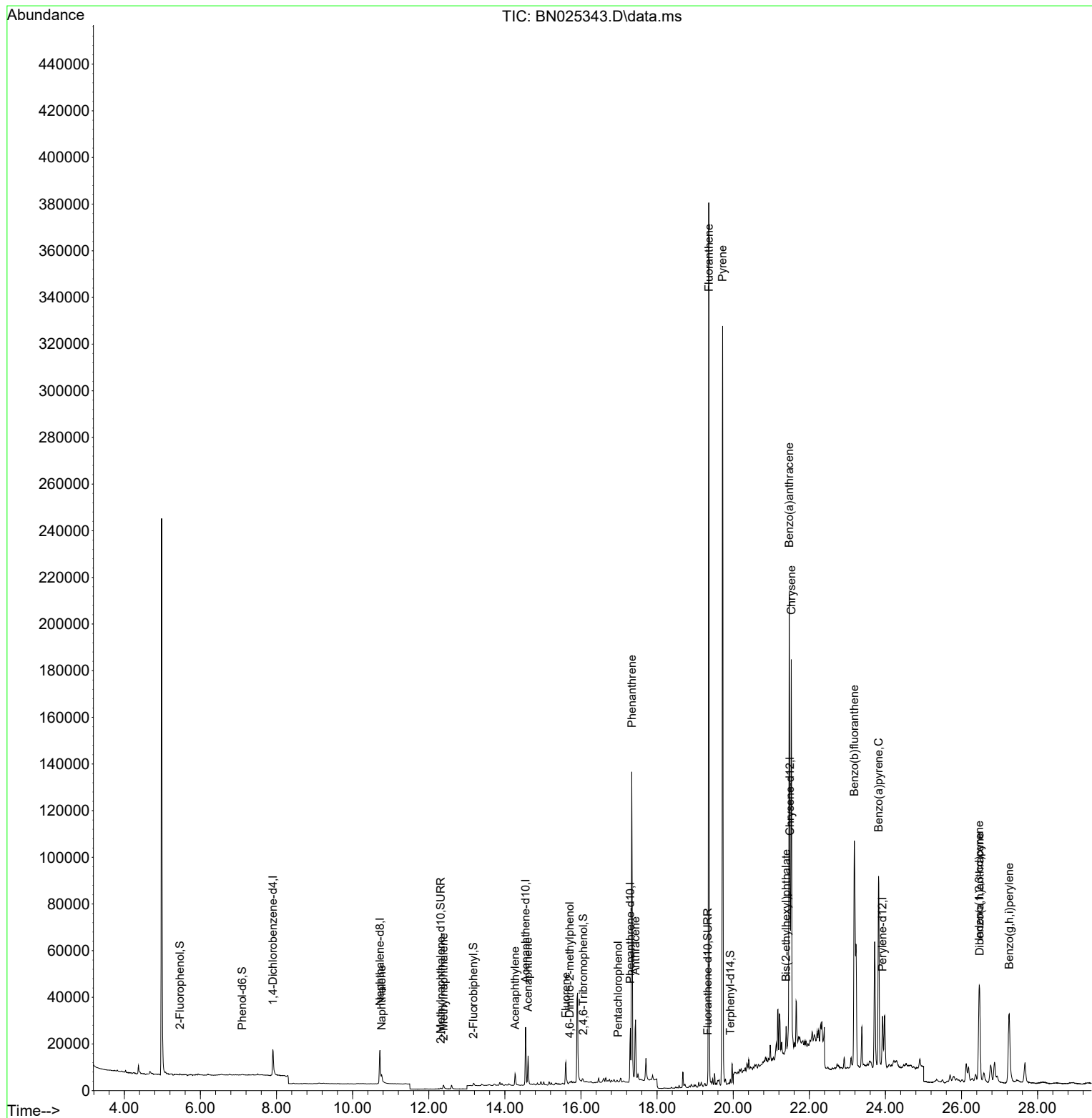
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	7797	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	24573	0.400	ng	0.00
13) Acenaphthene-d10	14.544	164	14929	0.400	ng	0.00
19) Phenanthrene-d10	17.299	188	32450	0.400	ng	0.00
29) Chrysene-d12	21.491	240	31699	0.400	ng	# 0.00
35) Perylene-d12	23.925	264	29413	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	423	0.022	ng	0.00
5) Phenol-d6	7.095	99	510	0.021	ng	0.02
8) Nitrobenzene-d5	9.127	82	331	0.016	ng	0.04
11) 2-Methylnaphthalene-d10	12.313	152	832	0.025	ng	0.00
14) 2,4,6-Tribromophenol	16.057	330	173	0.023	ng	0.00
15) 2-Fluorobiphenyl	13.176	172	1267	0.025	ng	0.00
27) Fluoranthene-d10	19.330	212	2034	0.025	ng	0.00
31) Terphenyl-d14	19.924	244	1996	0.031	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.761	128	4502	0.071	ng	# 90
12) 2-Methylnaphthalene	12.389	142	1852	0.042	ng	# 89
16) Acenaphthylene	14.266	152	6798	0.102	ng	99
17) Acenaphthene	14.609	154	6200	0.149	ng	99
18) Fluorene	15.603	166	7352	0.129	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.699	198	13	0.282	ng	# 1
24) Pentachlorophenol	16.976	266	25	0.270	ng	# 28
25) Phenanthrene	17.336	178	135768	1.512	ng	99
26) Anthracene	17.435	178	33415	0.397	ng	99
28) Fluoranthene	19.359	202	331909	2.959	ng	99
30) Pyrene	19.722	202	288200	2.659	ng	# 95
32) Benzo(a)anthracene	21.473	228	163844	1.529	ng	99
33) Chrysene	21.527	228	147200	1.380	ng	98
34) Bis(2-ethylhexyl)phtha...	21.392	149	9312	0.111	ng	94
36) Indeno(1,2,3-cd)pyrene	26.465	276	67454	0.572	ng	95
37) Benzo(b)fluoranthene	23.182	252	177399	1.903	ng	96
39) Benzo(a)pyrene	23.819	252	116853	1.223	ng	95
40) Dibenzo(a,h)anthracene	26.480	278	17089	0.184	ng	# 76
41) Benzo(g,h,i)perylene	27.252	276	65014	0.636	ng	99

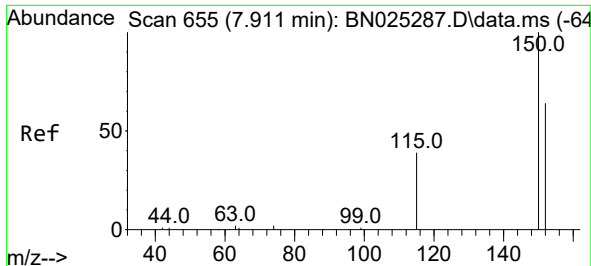
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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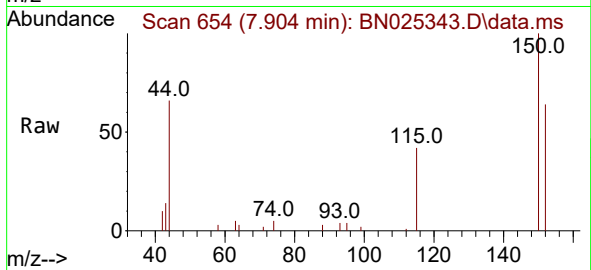
Quant Time: May 09 04:04:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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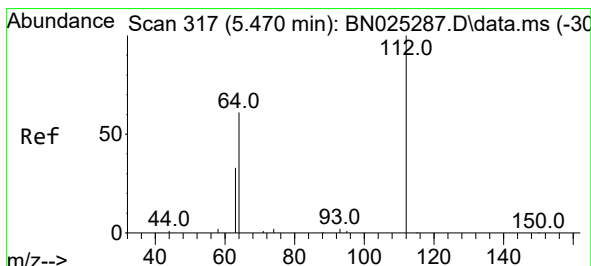
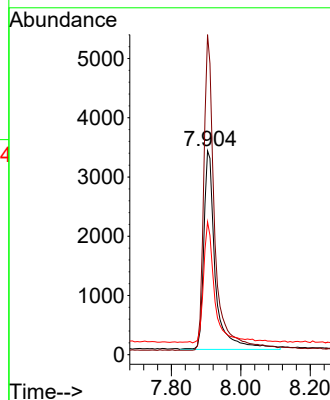
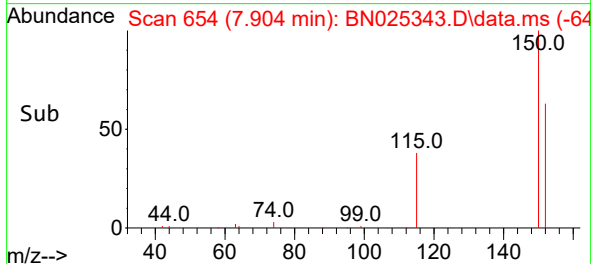


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Instrument :
BNA_N
ClientSampleId :
ZONE-D-0-3-05022023DL

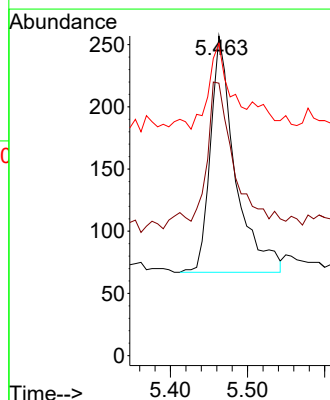
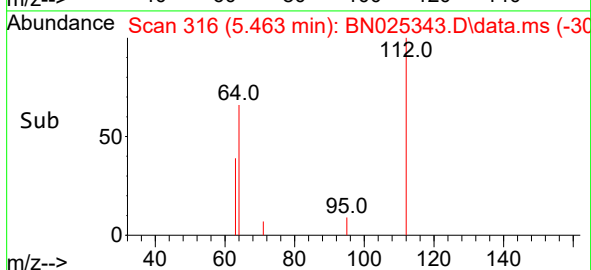
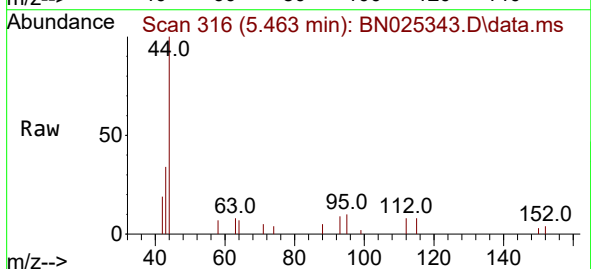


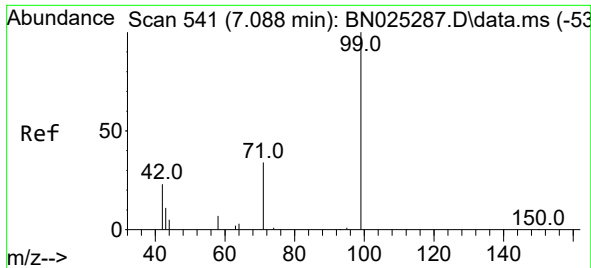
Tgt Ion:152 Resp: 7797
Ion Ratio Lower Upper
152 100
150 157.0 123.8 185.8
115 65.2 52.9 79.3



#4
2-Fluorophenol
Concen: 0.022 ng
RT: 5.463 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Tgt Ion:112 Resp: 423
Ion Ratio Lower Upper
112 100
64 62.9 51.5 77.3
63 31.2 27.8 41.6

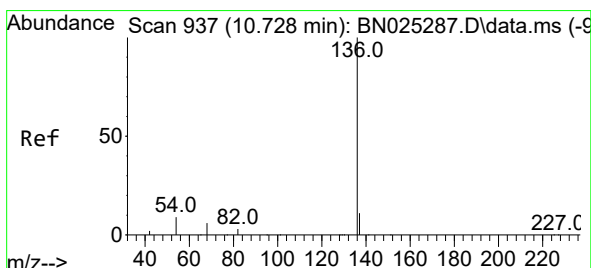
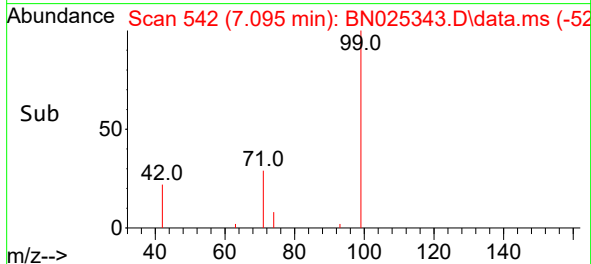
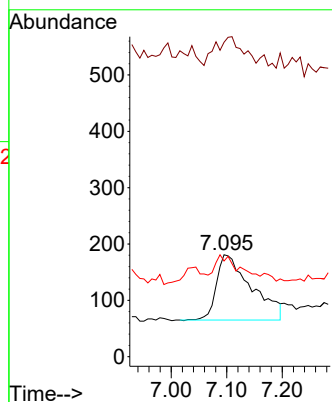
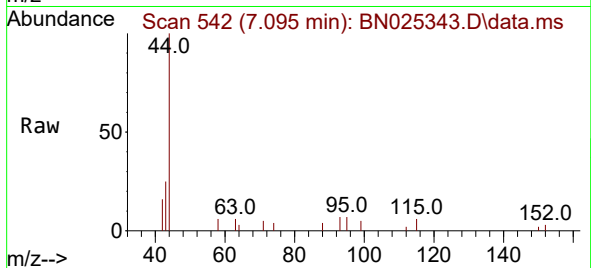




#5
Phenol-d6
Concen: 0.021 ng
RT: 7.095 min Scan# 541
Delta R.T. 0.022 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

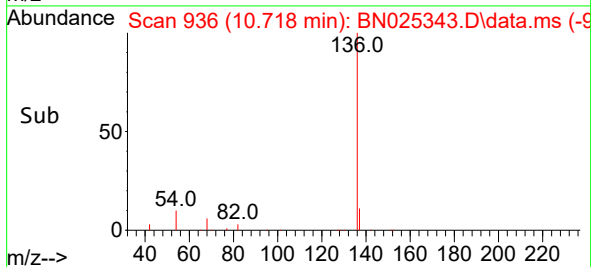
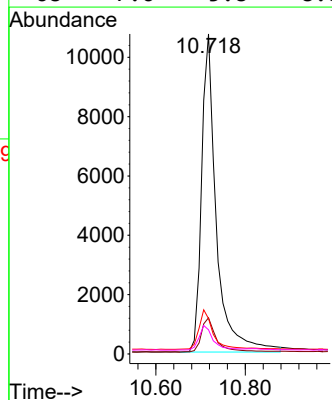
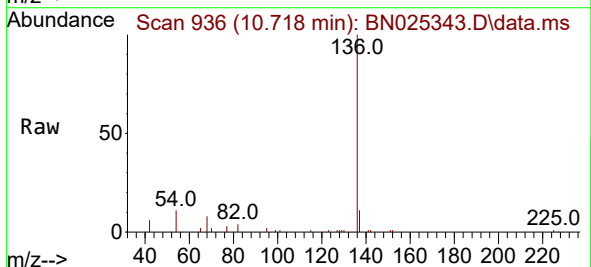
Instrument :
BNA_N
ClientSampleId :
ZONE-D-0-3-05022023DL

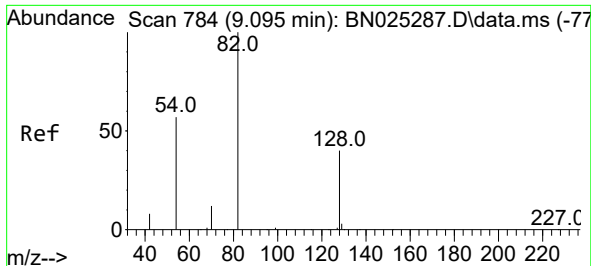
Tgt Ion: 99 Resp: 510
Ion Ratio Lower Upper
99 100
42 0.0 22.0 33.0#
71 21.4 28.7 43.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Tgt Ion: 136 Resp: 24573
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.2
54 11.0 8.5 12.7
68 7.6 5.8 8.8

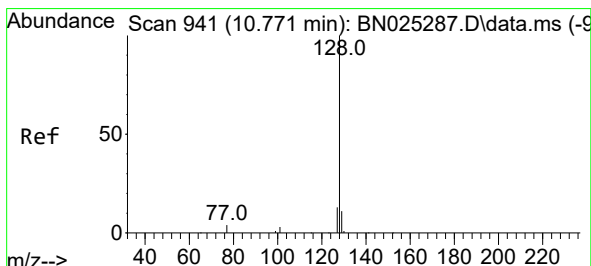
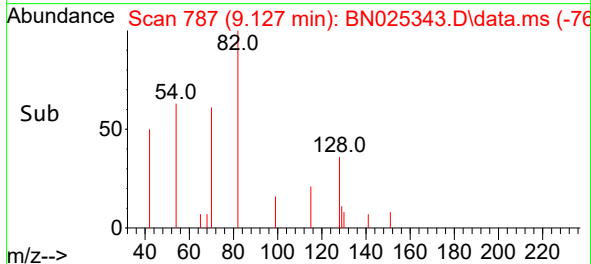
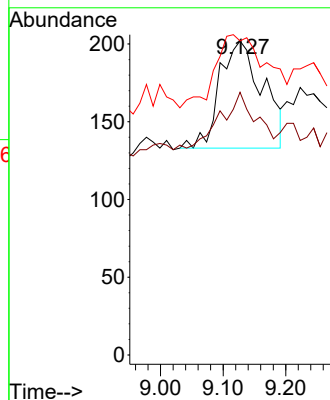
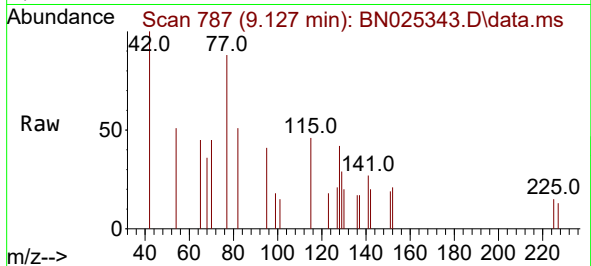




#8
Nitrobenzene-d5
Concen: 0.016 ng
RT: 9.127 min Scan# 71
Delta R.T. 0.043 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

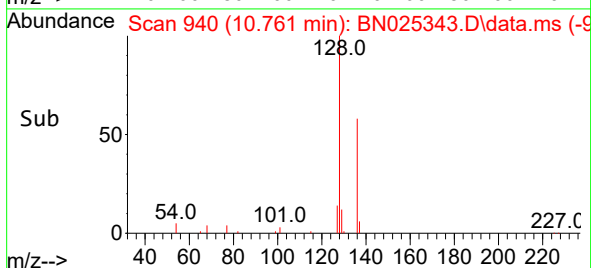
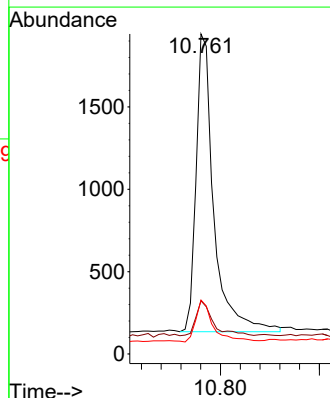
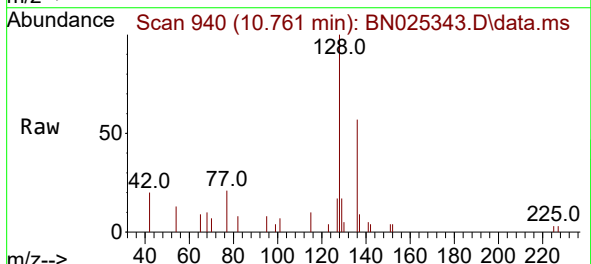
Instrument :
BNA_N
ClientSampleId :
ZONE-D-0-3-05022023DL

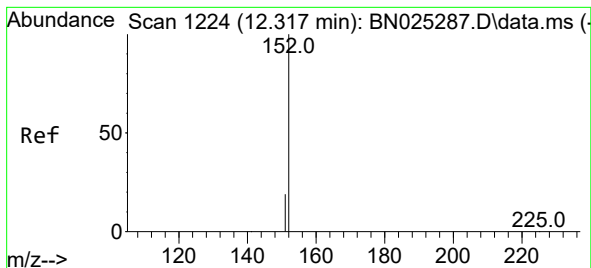
Tgt Ion: 82 Resp: 331
Ion Ratio Lower Upper
82 100
128 83.7 35.3 52.9#
54 100.0 48.7 73.1#



#9
Naphthalene
Concen: 0.071 ng
RT: 10.761 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Tgt Ion: 128 Resp: 4502
Ion Ratio Lower Upper
128 100
129 16.6 9.4 14.2#
127 16.9 11.0 16.6#





#11

2-Methylnaphthalene-d10

Concen: 0.025 ng

RT: 12.313 min Scan# 11

Delta R.T. 0.007 min

Lab File: BN025343.D

Acq: 08 May 2023 21:22

Instrument :

BNA_N

ClientSampleId :

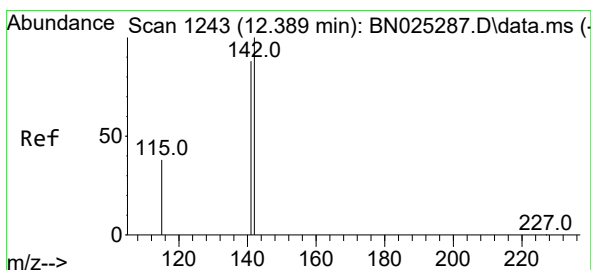
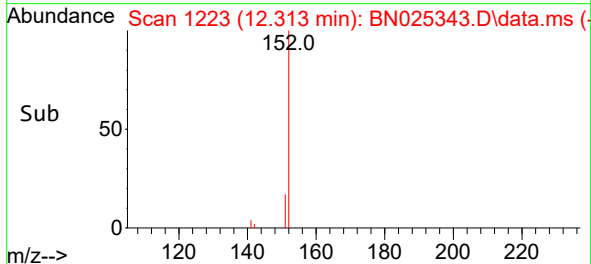
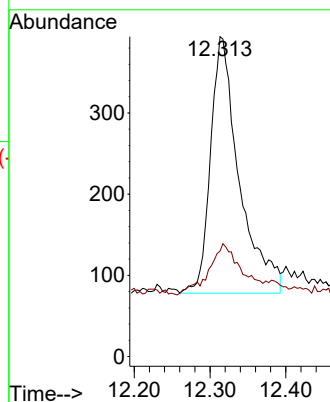
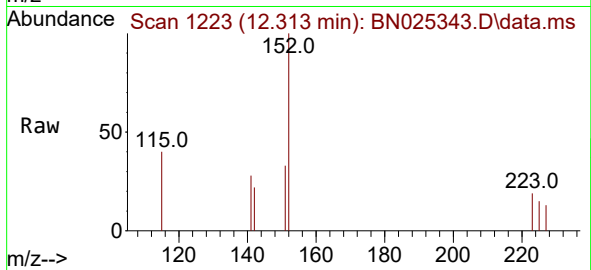
ZONE-D-0-3-05022023DL

Tgt Ion:152 Resp: 832

Ion Ratio Lower Upper

152 100

151 22.7 16.4 24.6



#12

2-Methylnaphthalene

Concen: 0.042 ng

RT: 12.389 min Scan# 1243

Delta R.T. 0.007 min

Lab File: BN025343.D

Acq: 08 May 2023 21:22

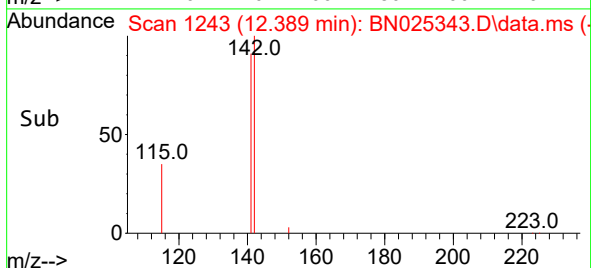
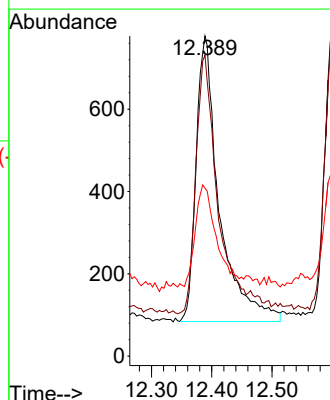
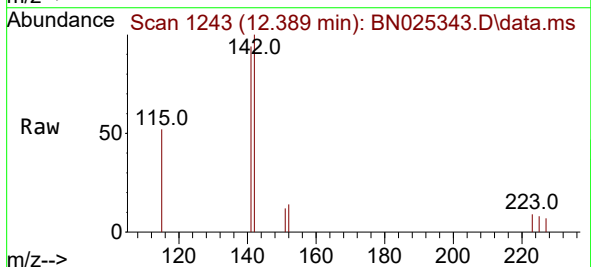
Tgt Ion:142 Resp: 1852

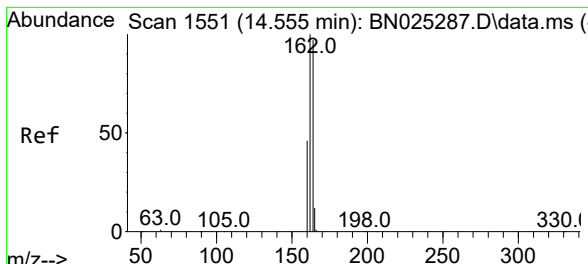
Ion Ratio Lower Upper

142 100

141 94.0 70.5 105.7

115 52.4 31.6 47.4#



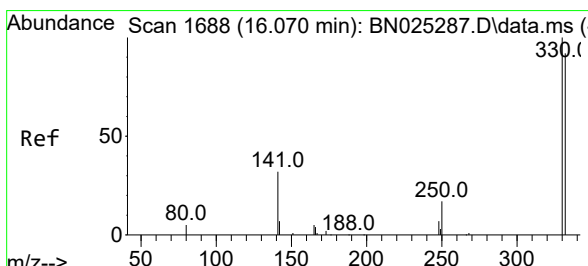
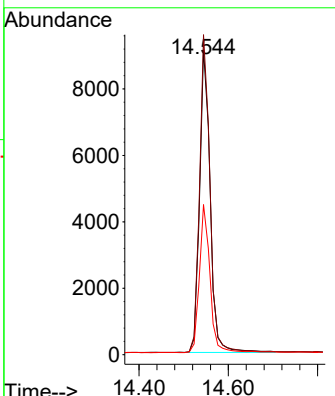
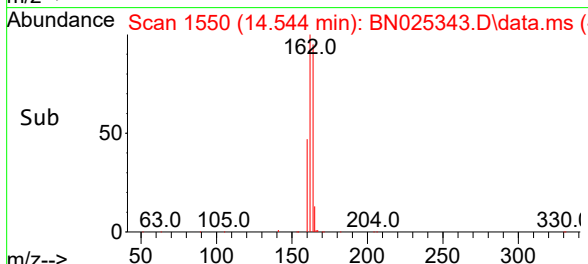
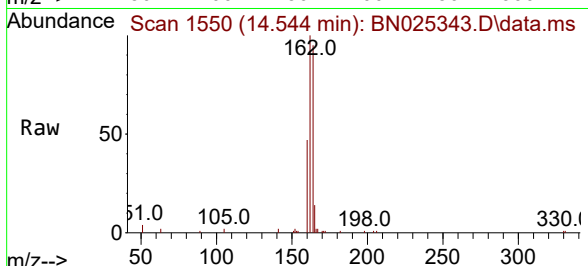


#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.544 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN025343.D
 Acq: 08 May 2023 21:22

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-0-3-05022023DL

Tgt Ion:164 Resp: 14929

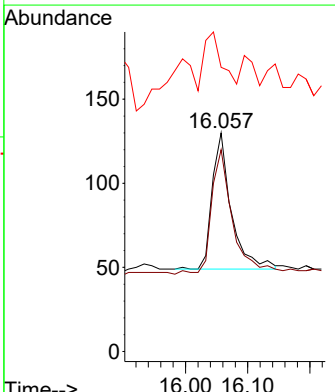
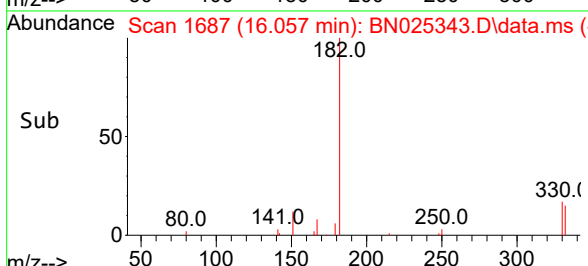
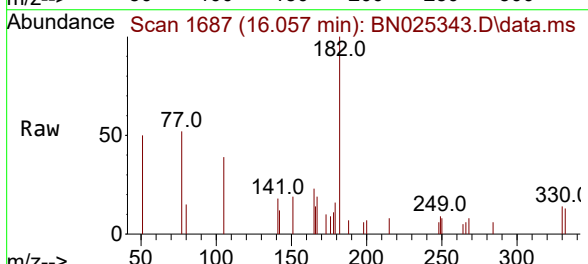
Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.1	123.1
160	49.2	38.3	57.5

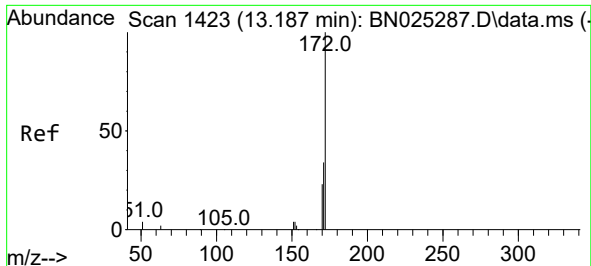


#14
 2,4,6-Tribromophenol
 Concen: 0.023 ng
 RT: 16.057 min Scan# 1687
 Delta R.T. -0.000 min
 Lab File: BN025343.D
 Acq: 08 May 2023 21:22

Tgt Ion:330 Resp: 173

Ion	Ratio	Lower	Upper
330	100		
332	101.2	77.4	116.0
141	41.0	28.9	43.3

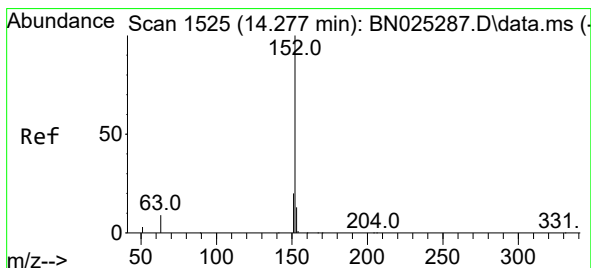
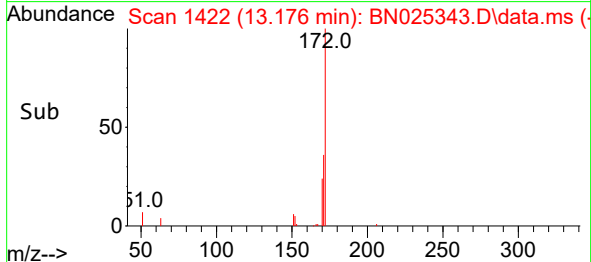
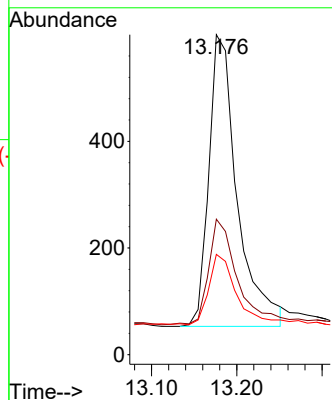
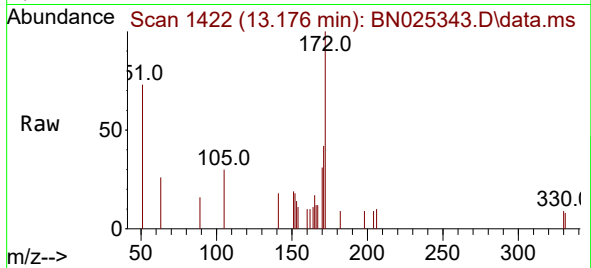




#15
2-Fluorobiphenyl
Concen: 0.025 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

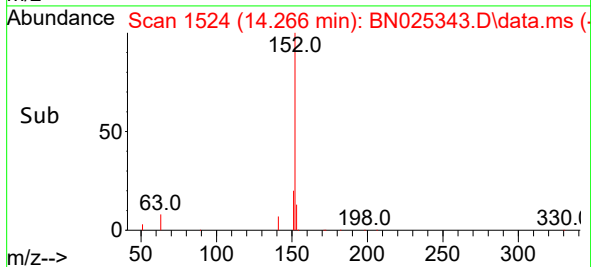
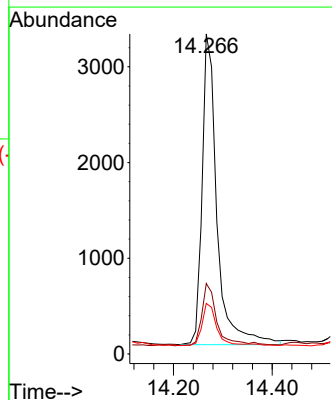
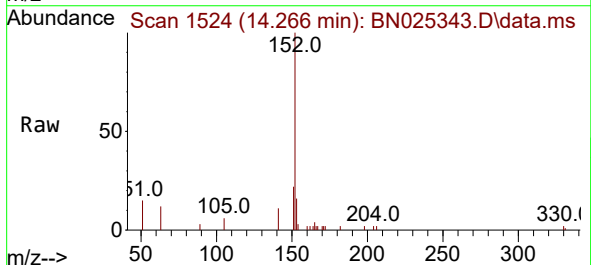
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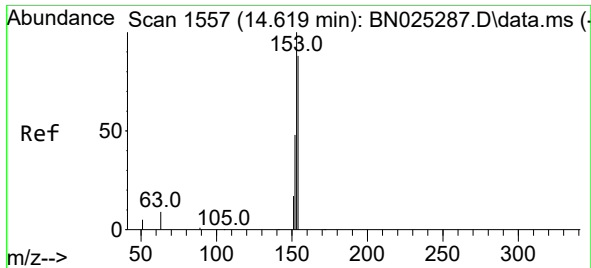
Tgt Ion:172 Resp: 1267
Ion Ratio Lower Upper
172 100
171 42.3 27.9 41.9#
170 31.3 19.0 28.4#



#16
Acenaphthylene
Concen: 0.102 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Tgt Ion:152 Resp: 6798
Ion Ratio Lower Upper
152 100
151 20.9 16.1 24.1
153 13.1 10.3 15.5

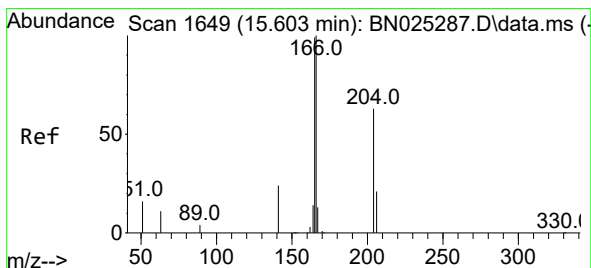
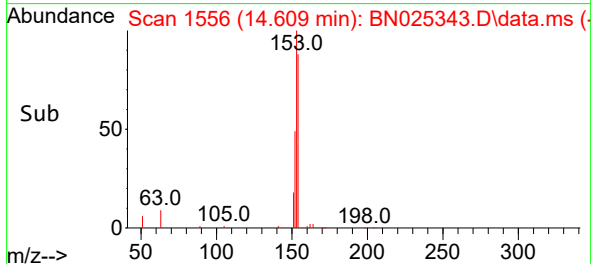
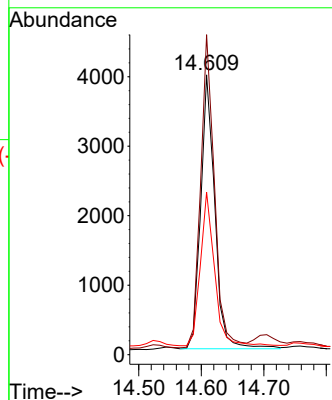
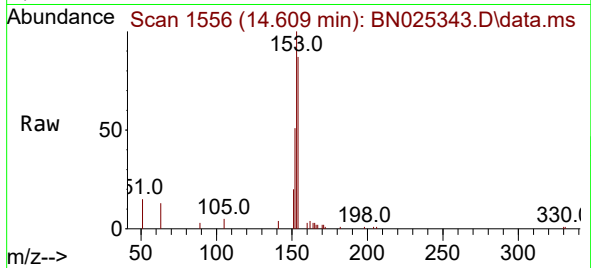




#17
Acenaphthene
Concen: 0.149 ng
RT: 14.609 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

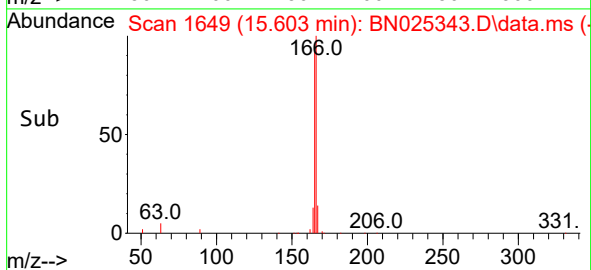
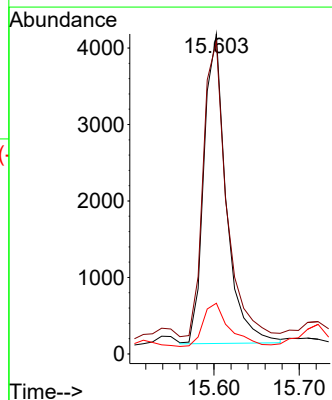
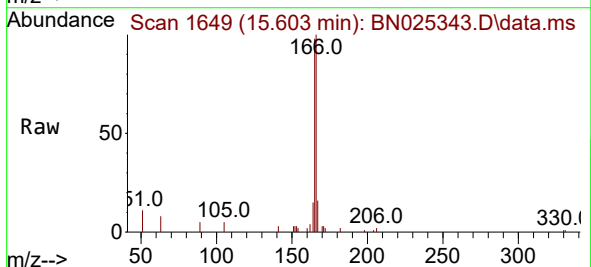
Instrument :
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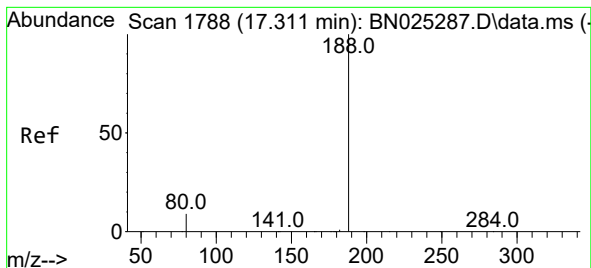
Tgt Ion:154 Resp: 6200
Ion Ratio Lower Upper
154 100
153 112.2 91.3 136.9
152 56.0 44.7 67.1



#18
Fluorene
Concen: 0.129 ng
RT: 15.603 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Tgt Ion:166 Resp: 7352
Ion Ratio Lower Upper
166 100
165 99.7 79.0 118.4
167 16.6 10.3 15.5#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.299 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN025343.D

Acq: 08 May 2023 21:22

Instrument :

BNA_N

ClientSampleId :

ZONE-D-0-3-05022023DL

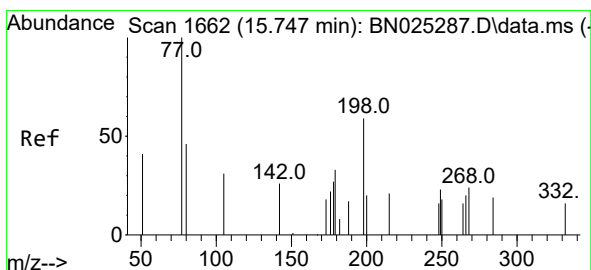
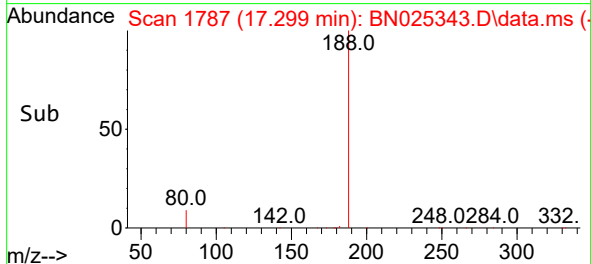
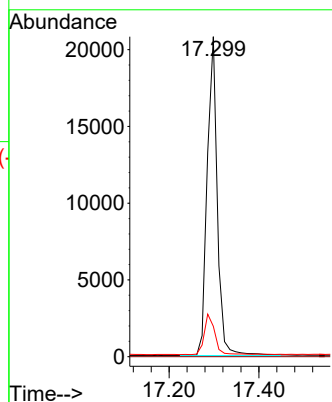
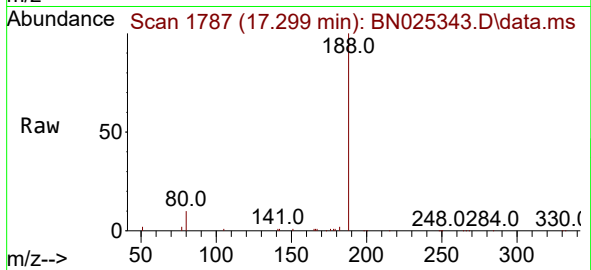
Tgt Ion:188 Resp: 32450

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.5 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: BN025343.D

Acq: 08 May 2023 21:22

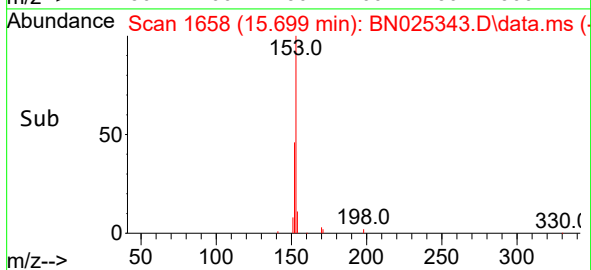
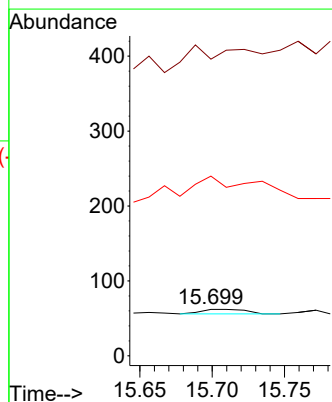
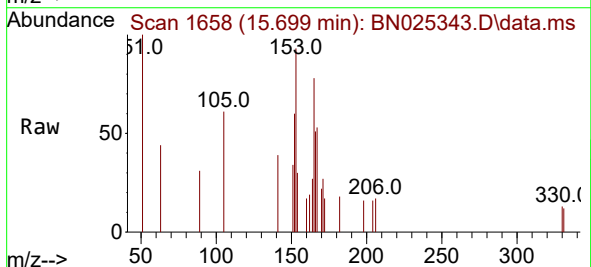
Tgt Ion:198 Resp: 13

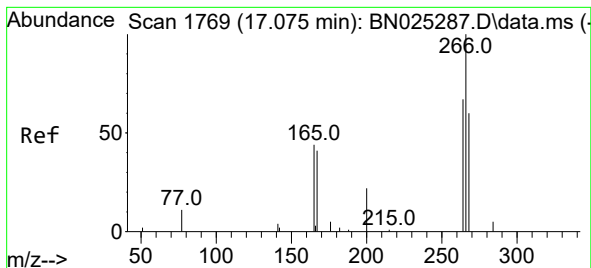
Ion Ratio Lower Upper

198 100

51 638.7 162.1 243.1#

105 387.1 83.1 124.7#





#24

Pentachlorophenol

Concen: 0.270 ng

RT: 16.976 min Scan# 1761

Delta R.T. 0.012 min

Lab File: BN025343.D

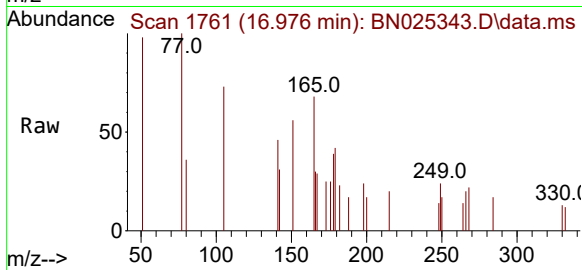
Acq: 08 May 2023 21:22

Instrument :

BNA_N

ClientSampleId :

ZONE-D-0-3-05022023DL



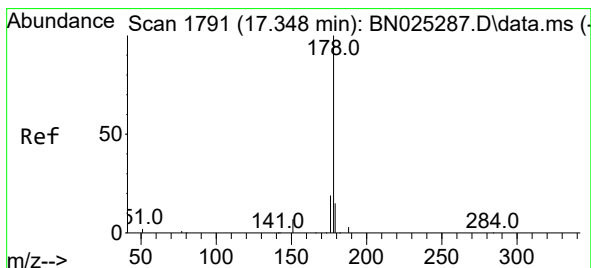
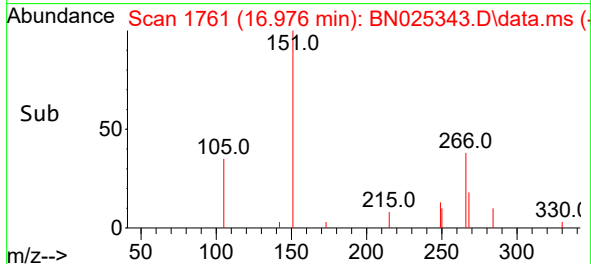
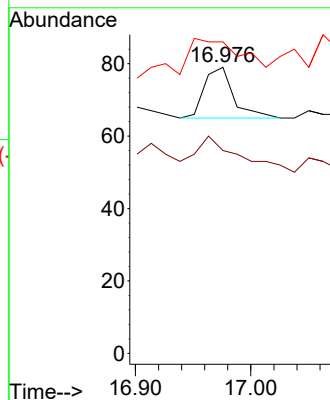
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

264 100.0 43.0 64.4#

268 0.0 47.4 71.2#



#25

Phenanthrene

Concen: 1.512 ng

RT: 17.336 min Scan# 1790

Delta R.T. -0.000 min

Lab File: BN025343.D

Acq: 08 May 2023 21:22

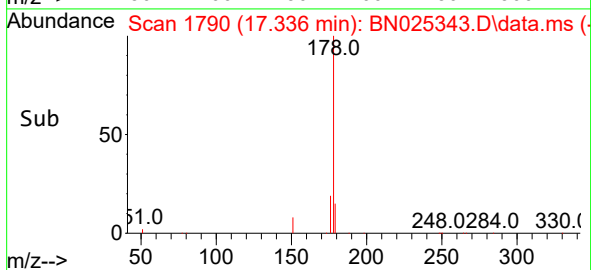
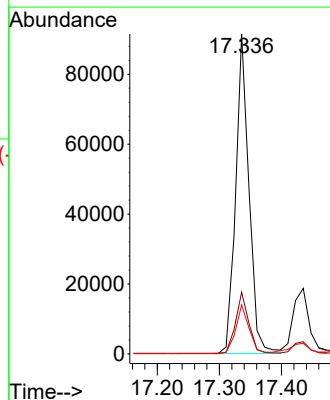
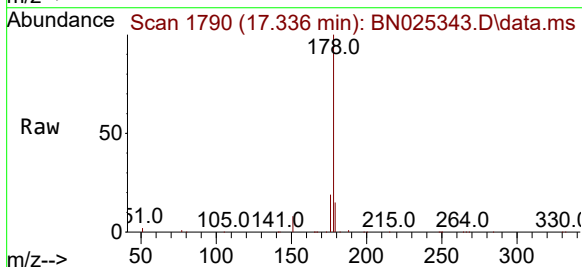
Tgt Ion:178 Resp: 135768

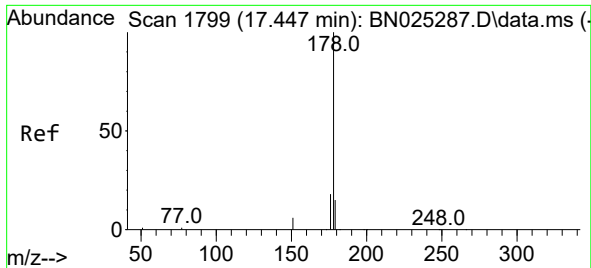
Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.2 12.4 18.6

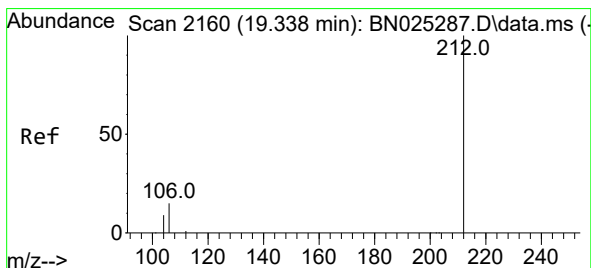
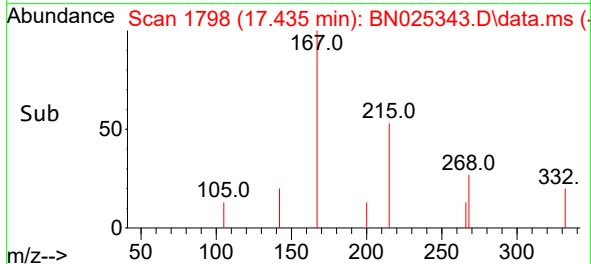
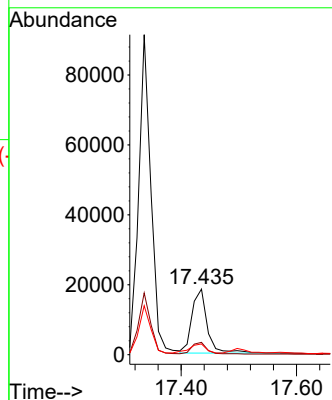
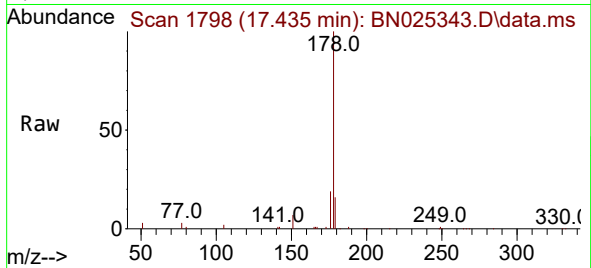




#26
 Anthracene
 Concen: 0.397 ng
 RT: 17.435 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN025343.D
 Acq: 08 May 2023 21:22

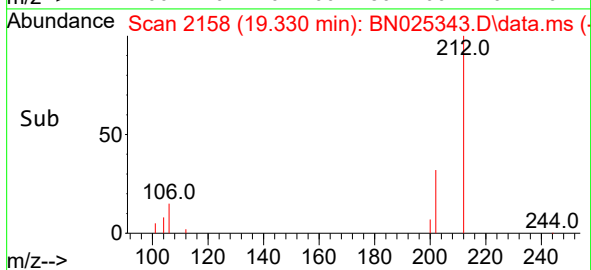
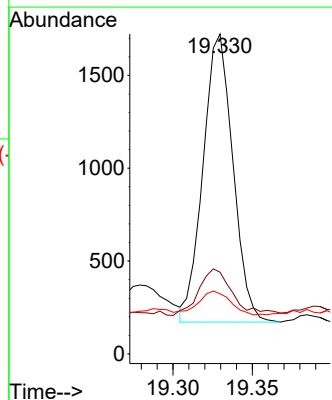
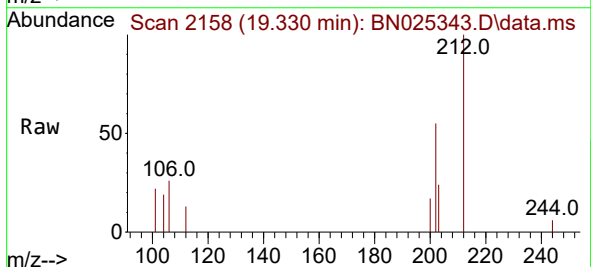
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-0-3-05022023DL

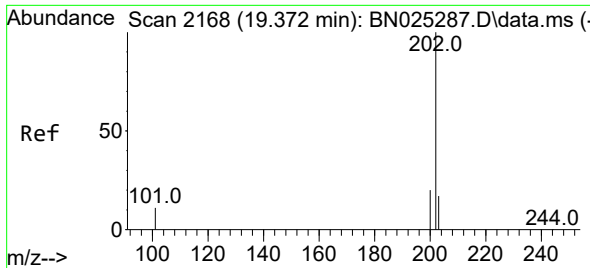
Tgt Ion:178 Resp: 33415
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 15.2 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.025 ng
 RT: 19.330 min Scan# 2158
 Delta R.T. -0.004 min
 Lab File: BN025343.D
 Acq: 08 May 2023 21:22

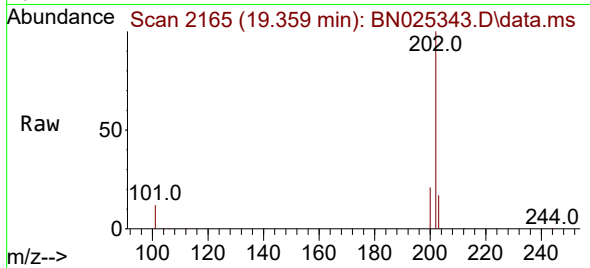
Tgt Ion:212 Resp: 2034
 Ion Ratio Lower Upper
 212 100
 106 18.5 12.6 19.0
 104 8.7 7.0 10.6



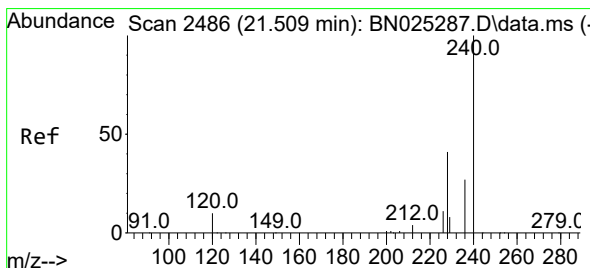
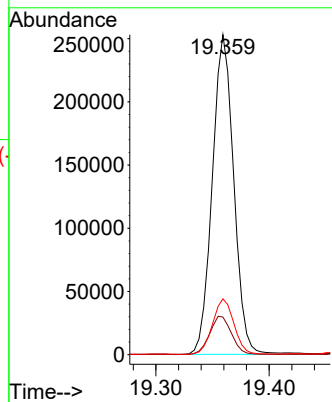
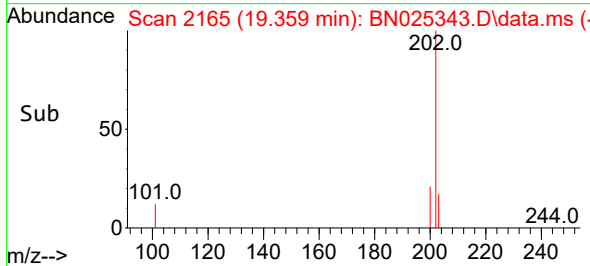


#28
Fluoranthene
Concen: 2.959 ng
RT: 19.359 min Scan# 2165
Delta R.T. -0.004 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Instrument :
BNA_N
ClientSampleId :
ZONE-D-0-3-05022023DL

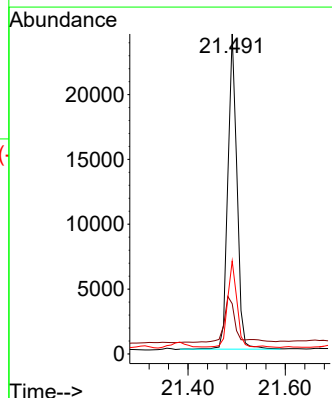
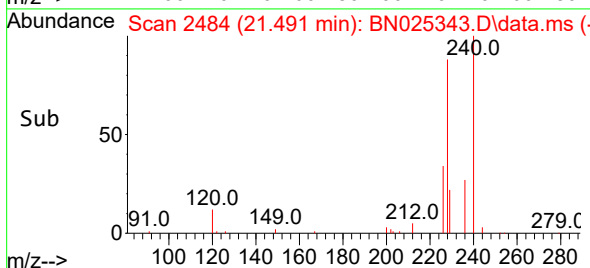
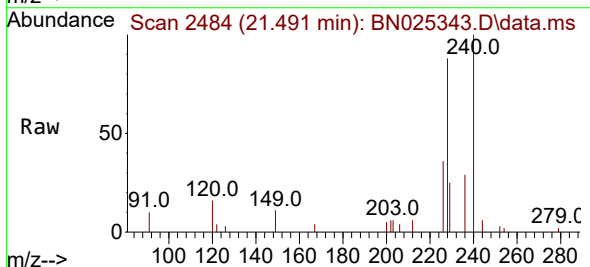


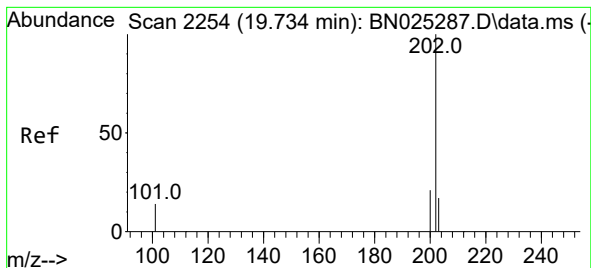
Tgt Ion:202 Resp: 331909
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.8
203 17.3 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.491 min Scan# 2484
Delta R.T. -0.009 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Tgt Ion:240 Resp: 31699
Ion Ratio Lower Upper
240 100
120 15.7 10.3 15.5#
236 29.1 22.3 33.5





#30

Pyrene

Concen: 2.659 ng

RT: 19.722 min Scan# 21

Delta R.T. -0.008 min

Lab File: BN025343.D

Acq: 08 May 2023 21:22

Instrument :

BNA_N

ClientSampleId :

ZONE-D-0-3-05022023DL

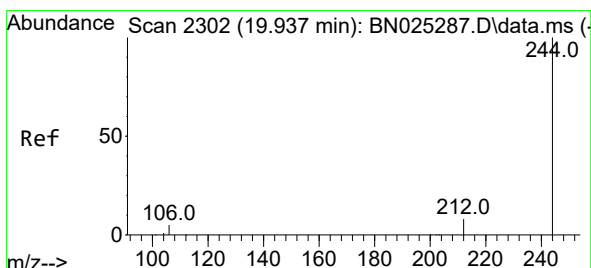
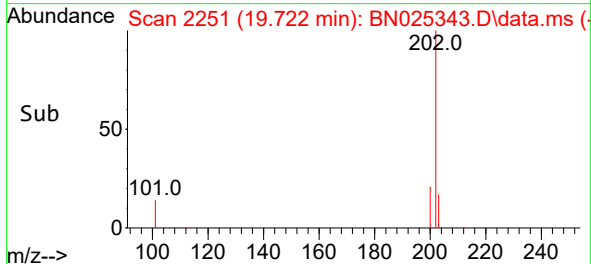
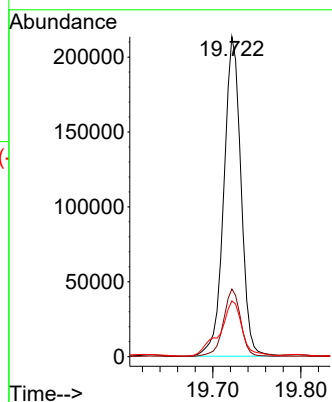
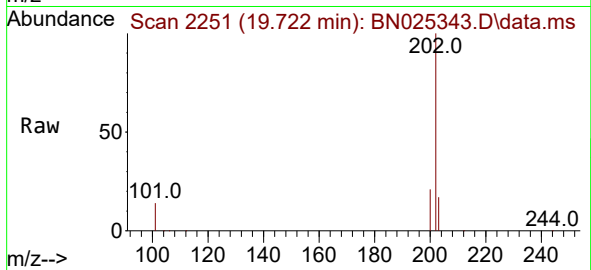
Tgt Ion:202 Resp: 288200

Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 22.3 14.4 21.6#



#31

Terphenyl-d14

Concen: 0.031 ng

RT: 19.924 min Scan# 2299

Delta R.T. -0.004 min

Lab File: BN025343.D

Acq: 08 May 2023 21:22

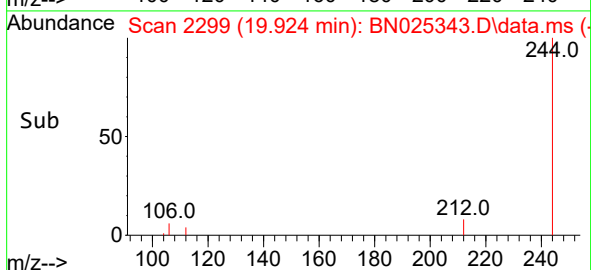
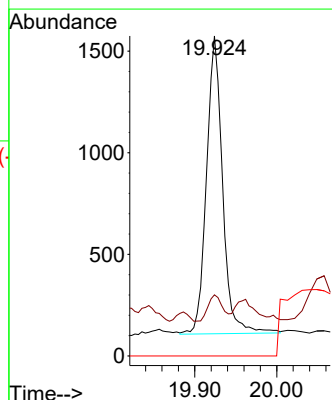
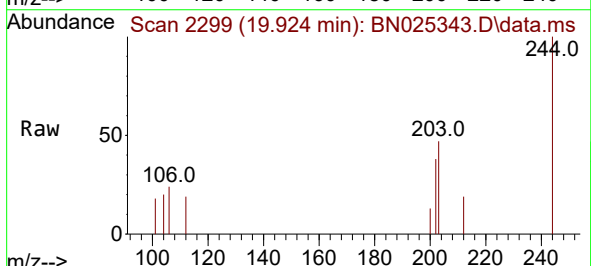
Tgt Ion:244 Resp: 1996

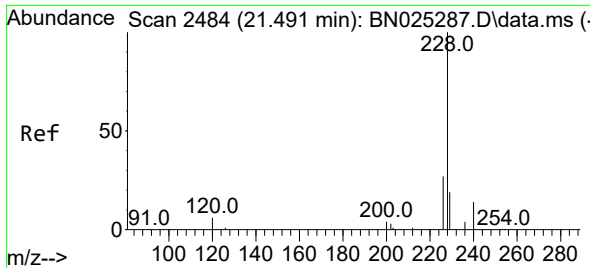
Ion Ratio Lower Upper

244 100

212 19.1 7.1 10.7#

122 0.0 0.0 0.0

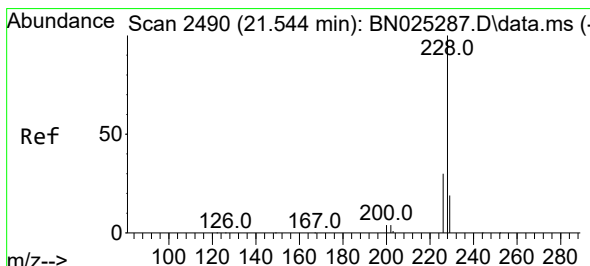
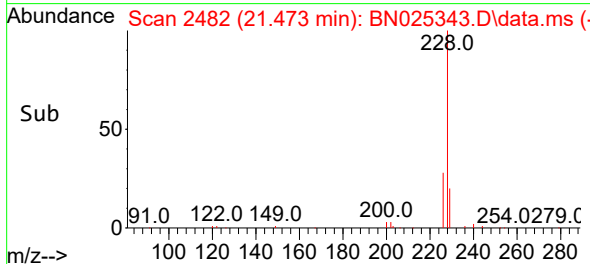
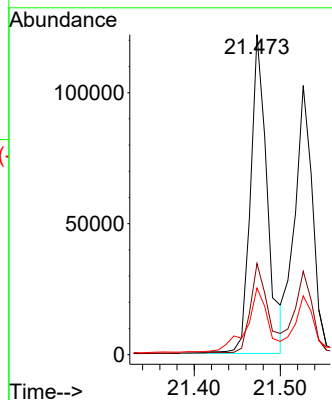
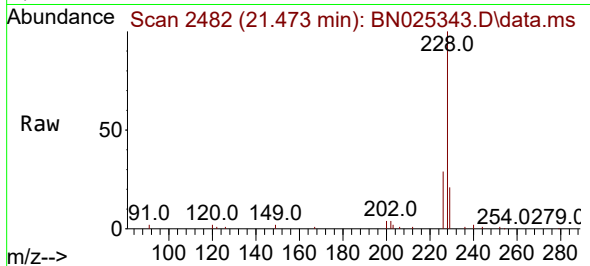




#32
Benzo(a)anthracene
Concen: 1.529 ng
RT: 21.473 min Scan# 2482
Delta R.T. -0.009 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

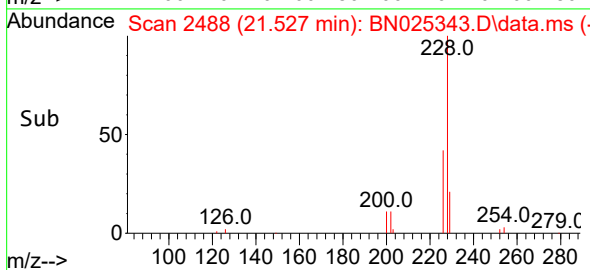
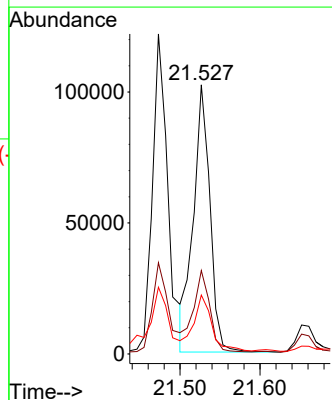
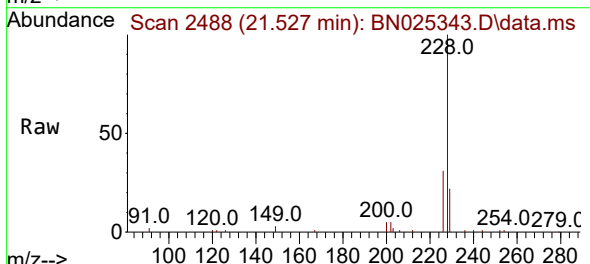
Instrument :
BNA_N
ClientSampleId :
ZONE-D-0-3-05022023DL

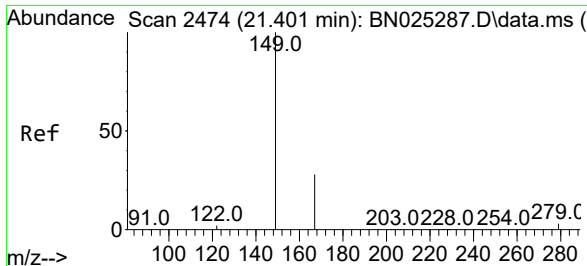
Tgt Ion:228 Resp: 163844
Ion Ratio Lower Upper
228 100
226 28.5 22.5 33.7
229 20.9 16.2 24.2



#33
Chrysene
Concen: 1.380 ng
RT: 21.527 min Scan# 2488
Delta R.T. -0.009 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Tgt Ion:228 Resp: 147200
Ion Ratio Lower Upper
228 100
226 31.0 24.6 36.8
229 21.9 16.2 24.4

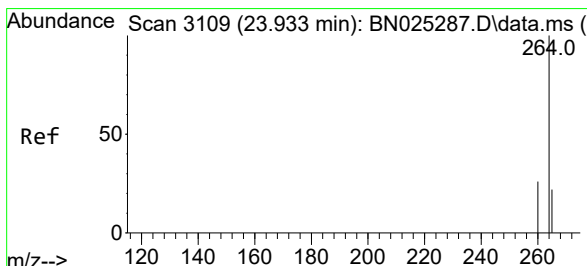
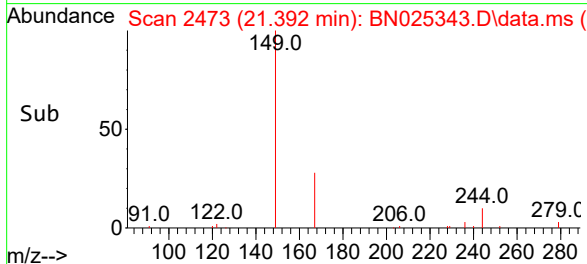
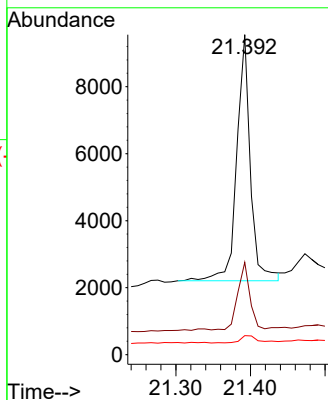
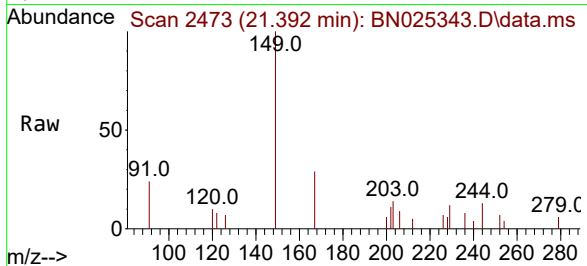




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.111 ng
RT: 21.392 min Scan# 2473
Delta R.T. -0.000 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

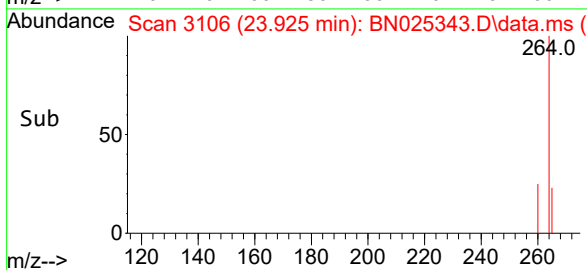
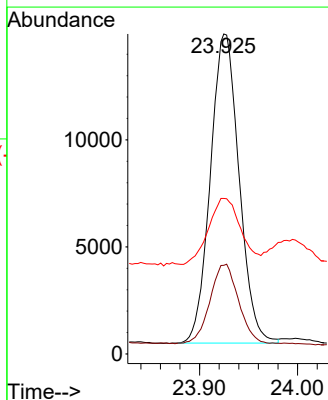
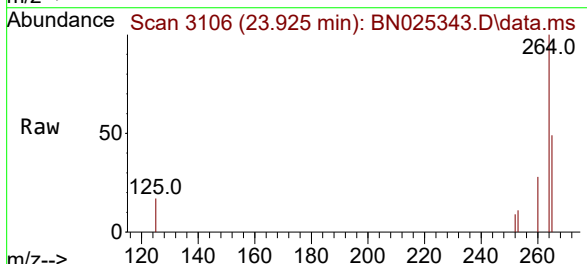
Instrument :
BNA_N
ClientSampleId :
ZONE-D-0-3-05022023DL

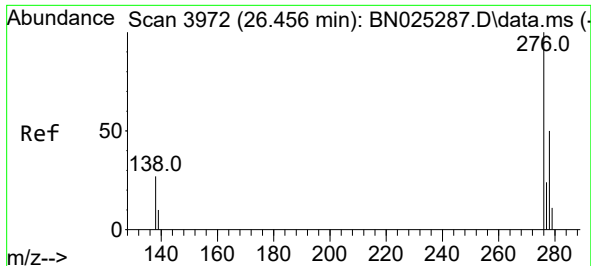
Tgt Ion:149 Resp: 9312
Ion Ratio Lower Upper
149 100
167 24.3 22.2 33.4
279 3.8 2.6 4.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.925 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Tgt Ion:264 Resp: 29413
Ion Ratio Lower Upper
264 100
260 27.7 21.5 32.3
265 48.6 46.2 69.4

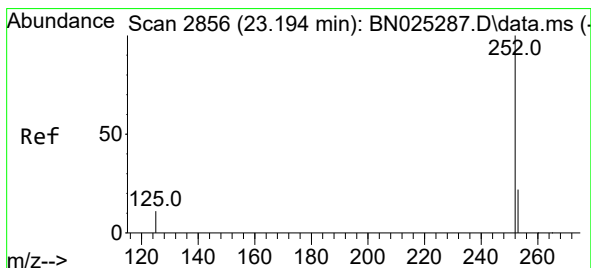
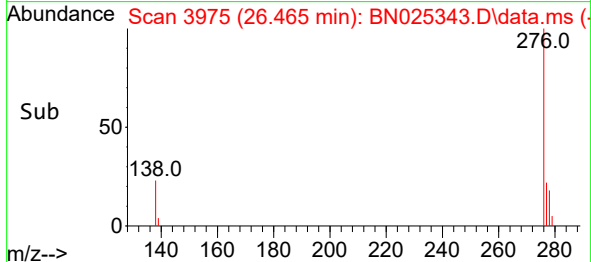
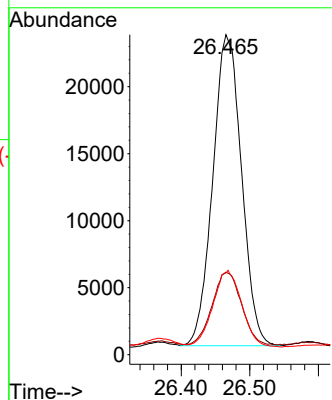
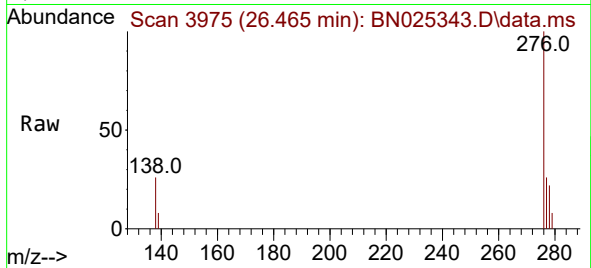




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.572 ng
RT: 26.465 min Scan# 3975
Delta R.T. 0.017 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

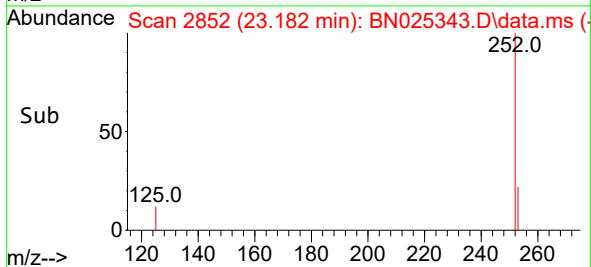
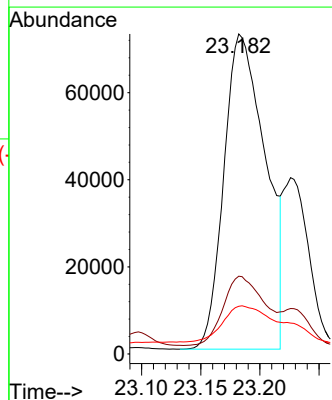
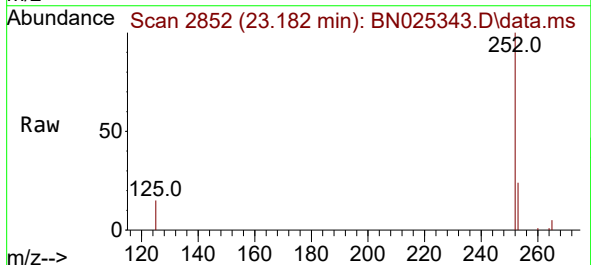
Instrument :
BNA_N
ClientSampleId :
ZONE-D-0-3-05022023DL

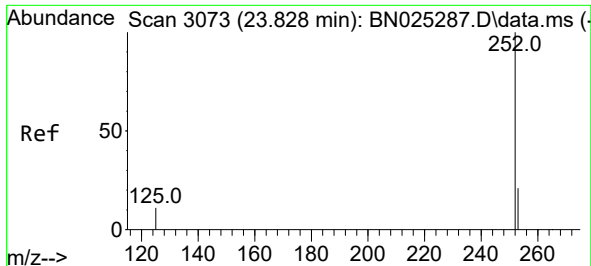
Tgt Ion:276 Resp: 67454
Ion Ratio Lower Upper
276 100
138 23.6 22.5 33.7
277 24.8 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 1.903 ng
RT: 23.182 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BN025343.D
Acq: 08 May 2023 21:22

Tgt Ion:252 Resp: 177399
Ion Ratio Lower Upper
252 100
253 24.3 20.8 31.2
125 14.9 13.4 20.2





#39

Benzo(a)pyrene

Concen: 1.223 ng

RT: 23.819 min Scan# 3073

Delta R.T. -0.003 min

Lab File: BN025343.D

Acq: 08 May 2023 21:22

Instrument :

BNA_N

ClientSampleId :

ZONE-D-0-3-05022023DL

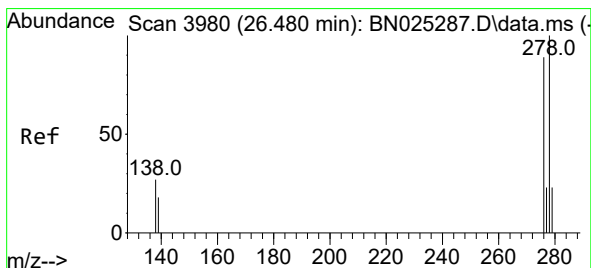
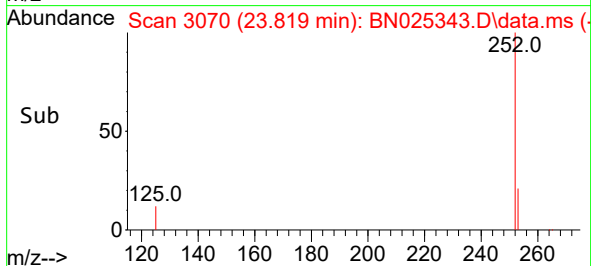
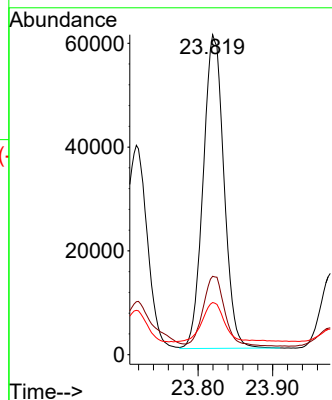
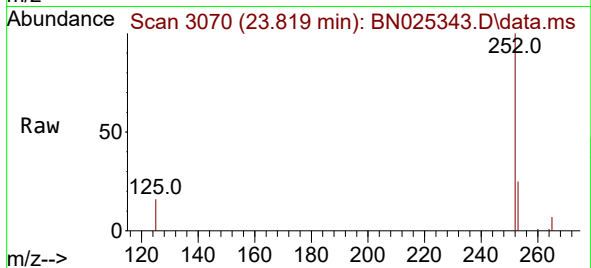
Tgt Ion:252 Resp: 116853

Ion Ratio Lower Upper

252 100

253 24.5 21.4 32.0

125 16.3 15.4 23.2



#40

Dibenzo(a,h)anthracene

Concen: 0.184 ng

RT: 26.480 min Scan# 3980

Delta R.T. 0.015 min

Lab File: BN025343.D

Acq: 08 May 2023 21:22

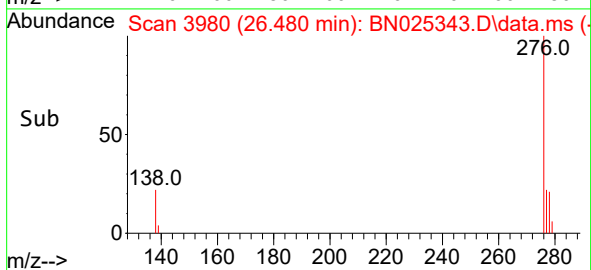
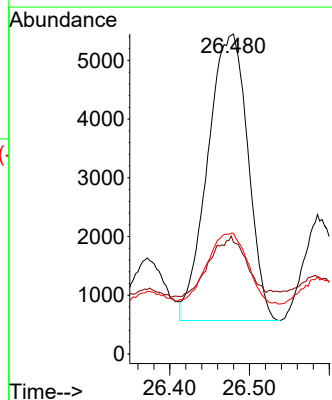
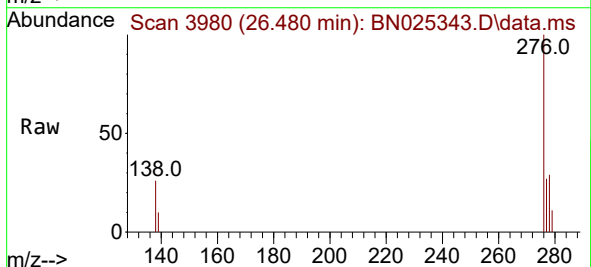
Tgt Ion:278 Resp: 17089

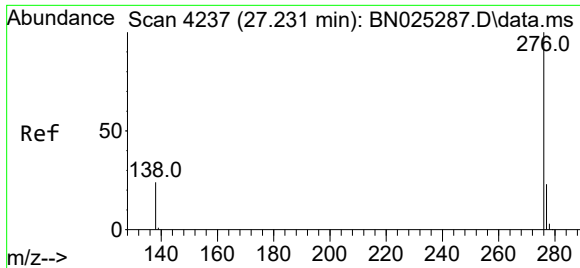
Ion Ratio Lower Upper

278 100

139 34.9 17.6 26.4#

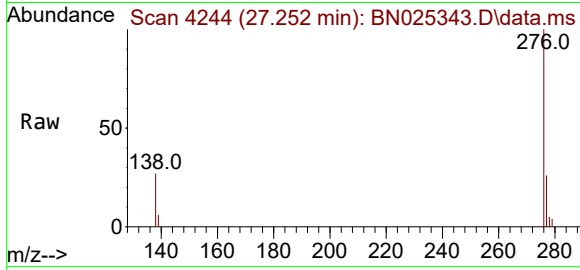
279 37.8 21.6 32.4#





#41
 Benzo(g,h,i)perylene
 Concen: 0.636 ng
 RT: 27.252 min Scan# 41
 Delta R.T. 0.023 min
 Lab File: BN025343.D
 Acq: 08 May 2023 21:22

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-0-3-05022023DL



Tgt Ion:276 Resp: 65014
 Ion Ratio Lower Upper
 276 100
 277 25.9 20.1 30.1
 138 26.6 21.0 31.6

