

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025342.D
 Acq On : 08 May 2023 20:46
 Operator : CG/JU
 Sample : 02588-07 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 09 04:04:19 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)

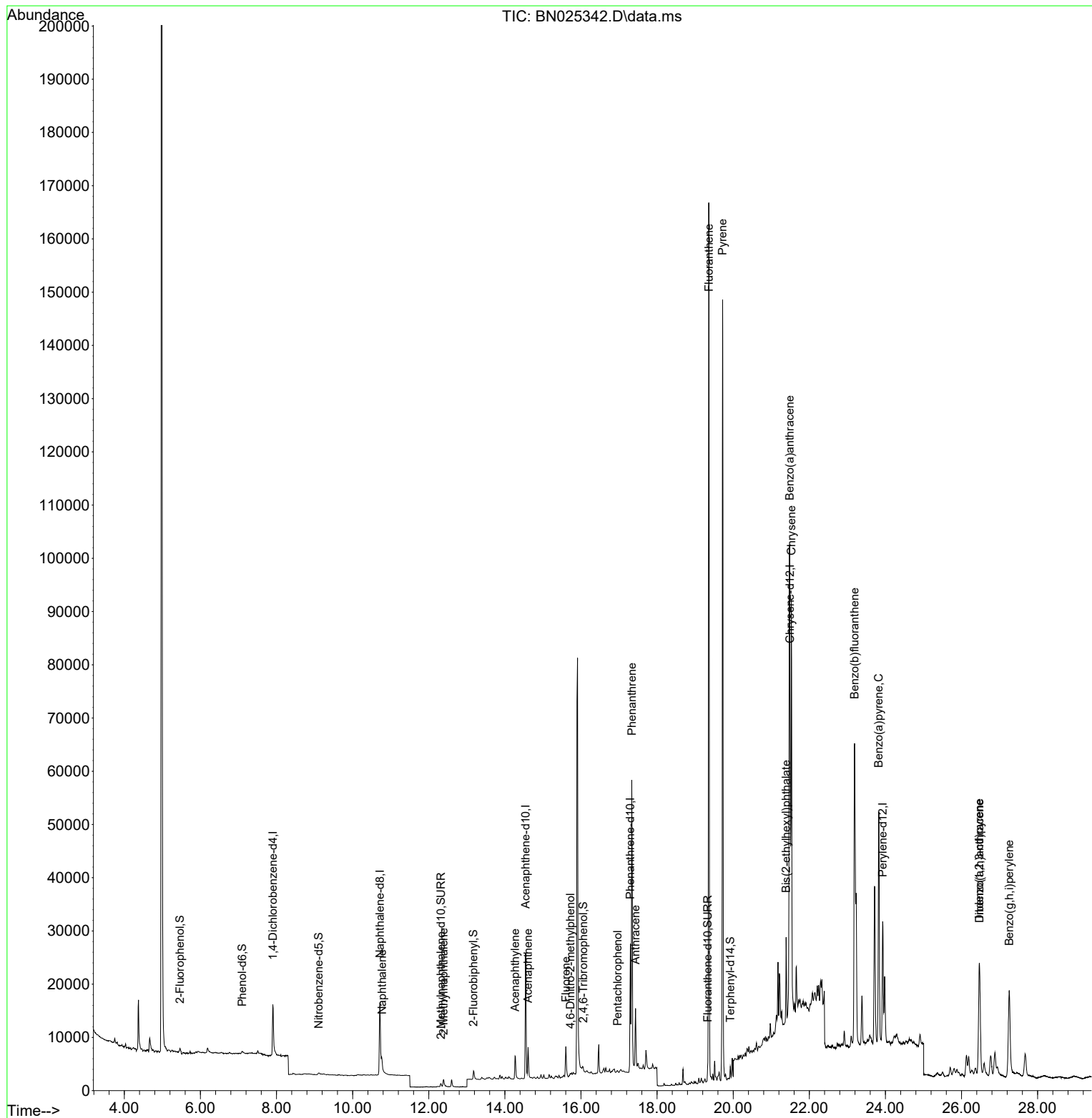
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	6752	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	23611	0.400	ng	0.00
13) Acenaphthene-d10	14.544	164	14410	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	31956	0.400	ng	0.00
29) Chrysene-d12	21.491	240	31347	0.400	ng	# 0.00
35) Perylene-d12	23.927	264	30317	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	725	0.044	ng	0.00
5) Phenol-d6	7.095	99	919	0.045	ng	0.02
8) Nitrobenzene-d5	9.105	82	597	0.031	ng	0.02
11) 2-Methylnaphthalene-d10	12.317	152	1320	0.041	ng	0.01
14) 2,4,6-Tribromophenol	16.057	330	276	0.037	ng	0.00
15) 2-Fluorobiphenyl	13.176	172	2052	0.042	ng	0.00
27) Fluoranthene-d10	19.329	212	3050	0.039	ng	0.00
31) Terphenyl-d14	19.924	244	2671	0.042	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.771	128	3859	0.064	ng	# 89
12) 2-Methylnaphthalene	12.389	142	1481	0.035	ng	# 87
16) Acenaphthylene	14.266	152	6417	0.099	ng	99
17) Acenaphthene	14.608	154	2953	0.074	ng	99
18) Fluorene	15.603	166	4346	0.079	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.722	198	14	0.282	ng	# 1
24) Pentachlorophenol	16.963	266	36	0.271	ng	# 85
25) Phenanthrene	17.336	178	57068	0.645	ng	100
26) Anthracene	17.435	178	14107	0.170	ng	98
28) Fluoranthene	19.359	202	146346	1.325	ng	99
30) Pyrene	19.721	202	130712	1.220	ng	96
32) Benzo(a)anthracene	21.482	228	73399	0.693	ng	98
33) Chrysene	21.526	228	74429	0.706	ng	98
34) Bis(2-ethylhexyl)phtha...	21.392	149	12871	0.155	ng	99
36) Indeno(1,2,3-cd)pyrene	26.468	276	37162	0.306	ng	95
37) Benzo(b)fluoranthene	23.188	252	96193	1.001	ng	99
39) Benzo(a)pyrene	23.825	252	62735	0.637	ng	99
40) Dibenzo(a,h)anthracene	26.474	278	4360	0.045	ng	# 61
41) Benzo(g,h,i)perylene	27.255	276	37514	0.356	ng	98

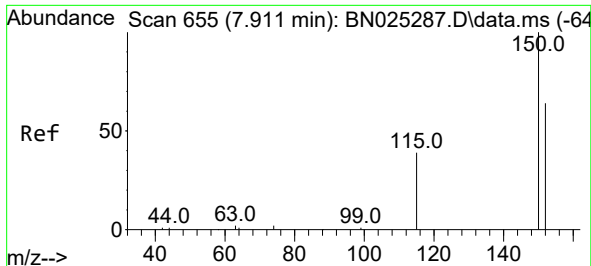
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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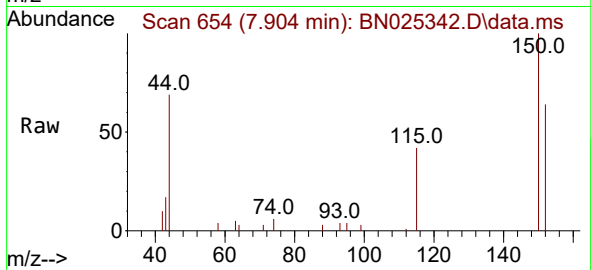
Quant Time: May 09 04:04:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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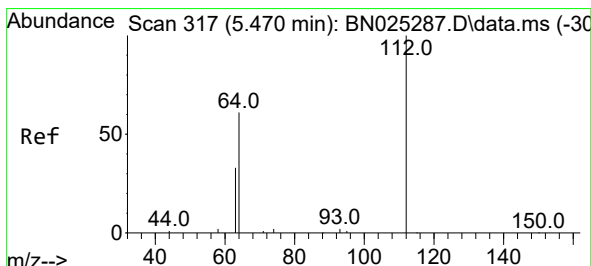
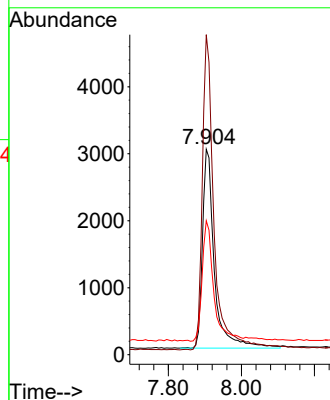
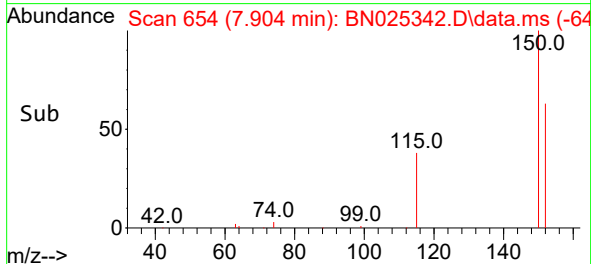


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

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

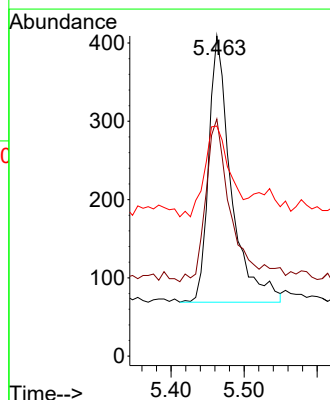
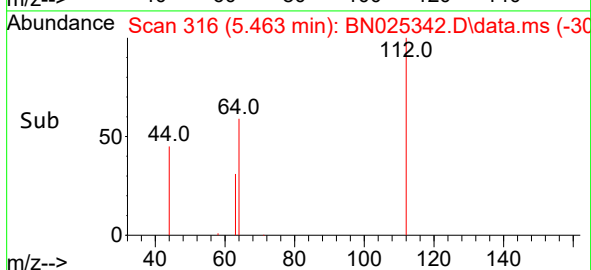
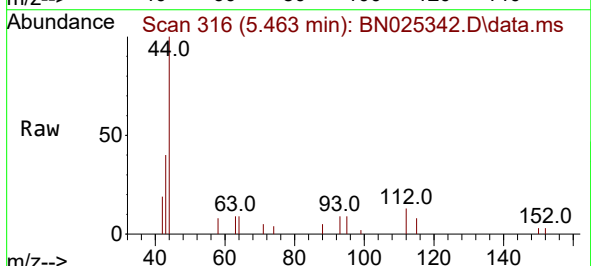


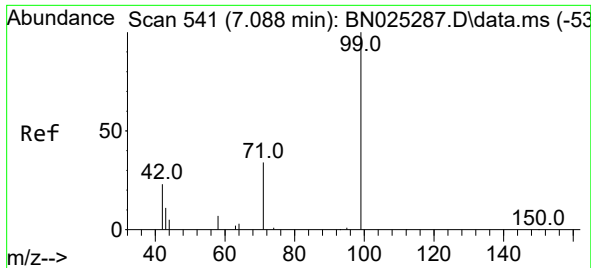
Tgt Ion:152 Resp: 6752
Ion Ratio Lower Upper
152 100
150 155.7 123.8 185.8
115 65.2 52.9 79.3



#4
2-Fluorophenol
Concen: 0.044 ng
RT: 5.463 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

Tgt Ion:112 Resp: 725
Ion Ratio Lower Upper
112 100
64 65.1 51.5 77.3
63 39.0 27.8 41.6

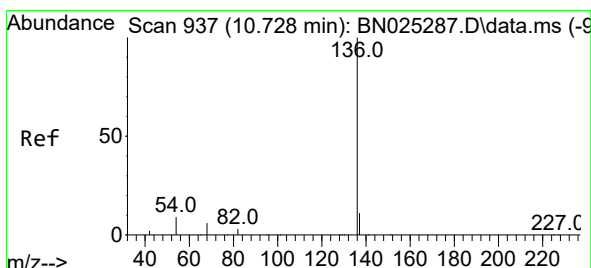
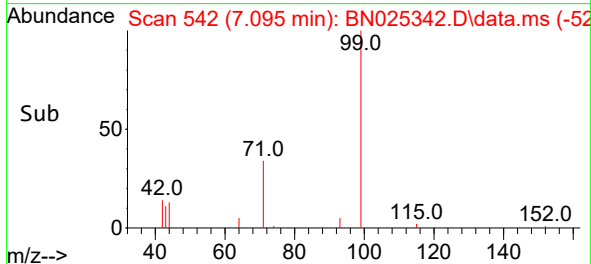
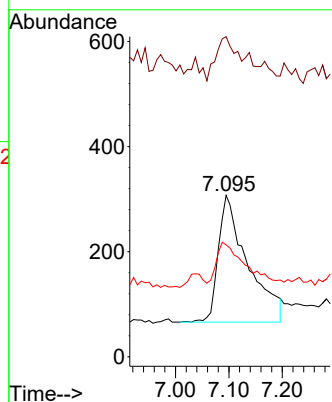
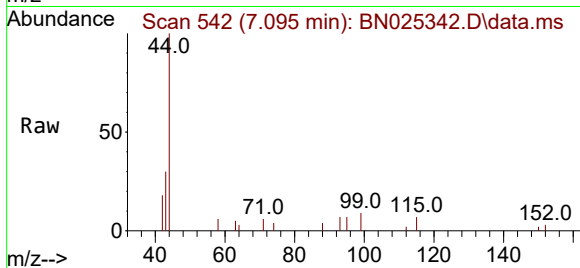




#5
Phenol-d6
Concen: 0.045 ng
RT: 7.095 min Scan# 541
Delta R.T. 0.021 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

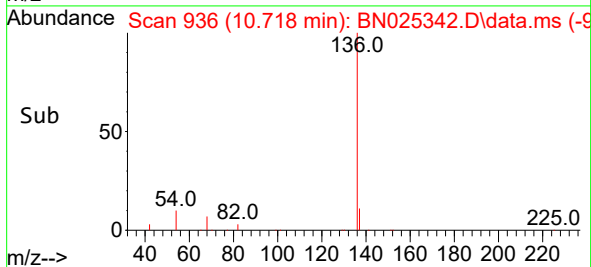
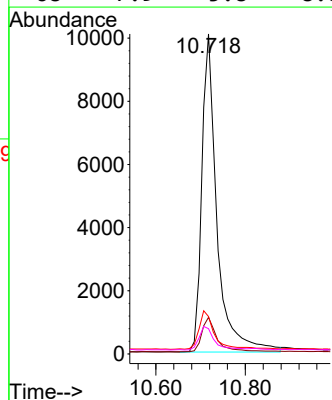
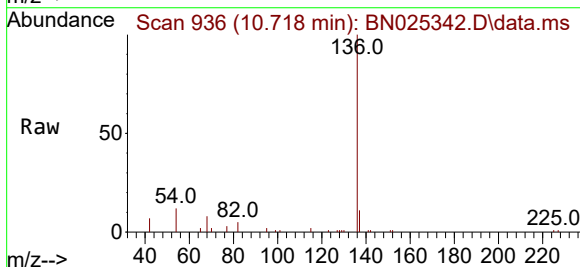
Instrument :
BNA_N
ClientSampleId :
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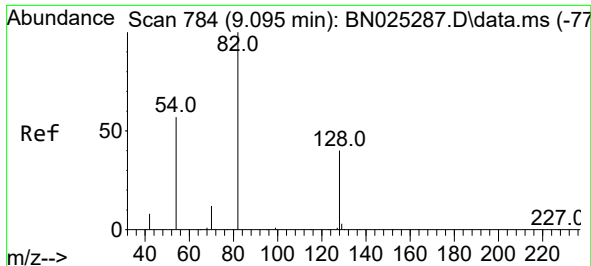
Tgt Ion: 99 Resp: 919
Ion Ratio Lower Upper
99 100
42 31.0 22.0 33.0
71 30.5 28.7 43.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

Tgt Ion: 136 Resp: 23611
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 11.7 8.5 12.7
68 7.9 5.8 8.8

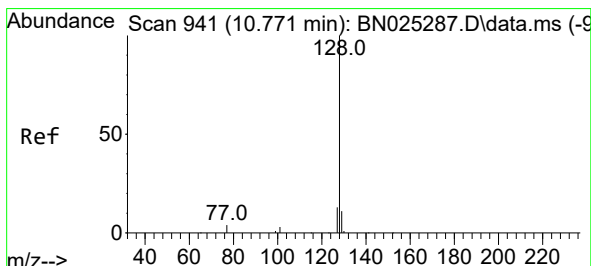
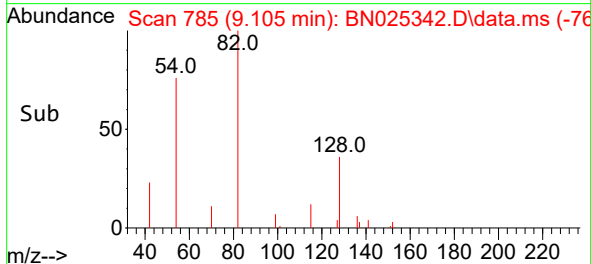
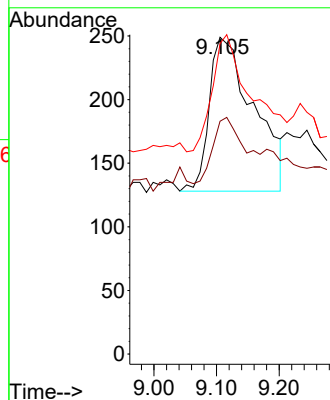
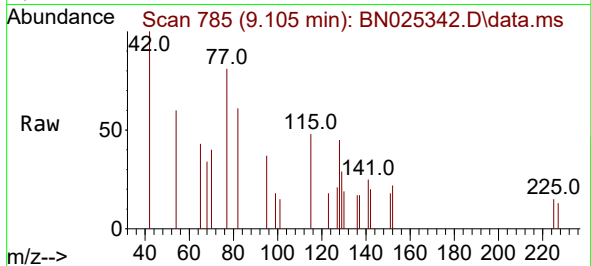




#8
Nitrobenzene-d5
Concen: 0.031 ng
RT: 9.105 min Scan# 784
Delta R.T. 0.021 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

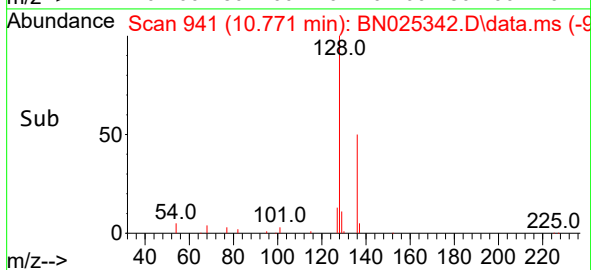
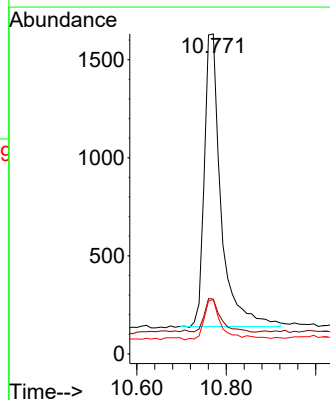
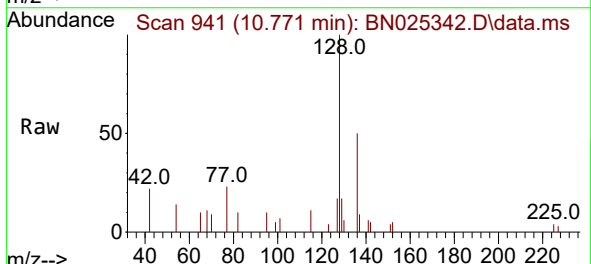
Instrument :
BNA_N
ClientSampleId :
ZONE-A-0-3-05022023DL

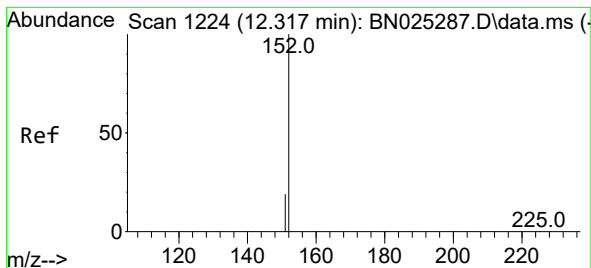
Tgt Ion: 82 Resp: 597
Ion Ratio Lower Upper
82 100
128 73.5 35.3 52.9#
54 98.0 48.7 73.1#



#9
Naphthalene
Concen: 0.064 ng
RT: 10.771 min Scan# 941
Delta R.T. 0.010 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

Tgt Ion: 128 Resp: 3859
Ion Ratio Lower Upper
128 100
129 17.2 9.4 14.2#
127 17.0 11.0 16.6#

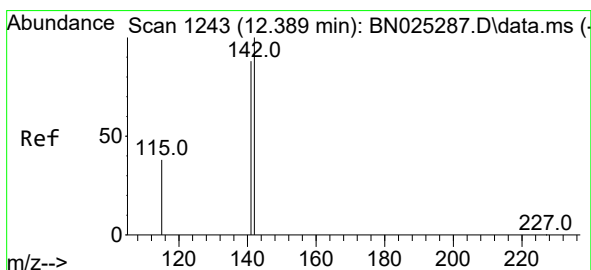
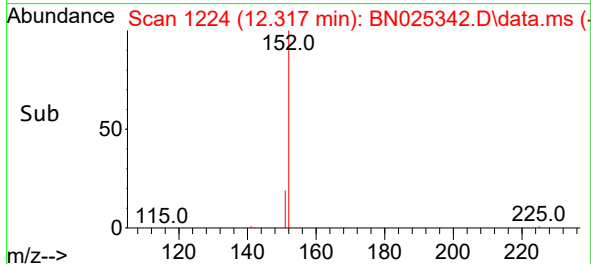
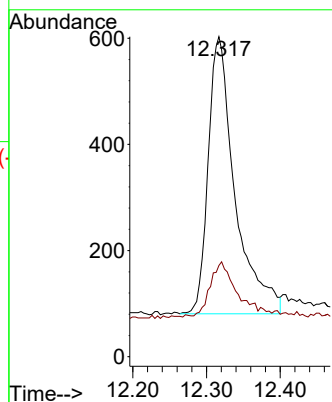
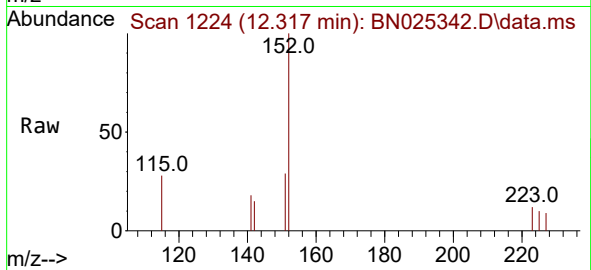




#11
2-Methylnaphthalene-d10
Concen: 0.041 ng
RT: 12.317 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

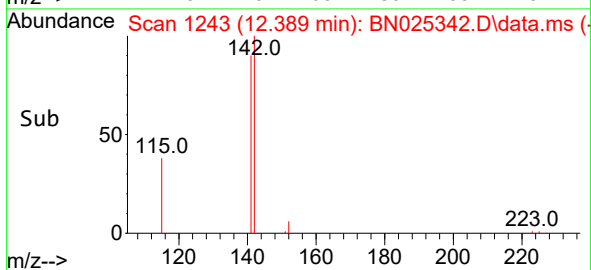
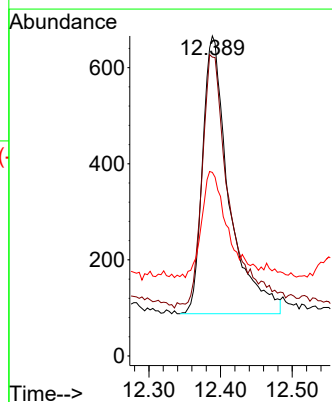
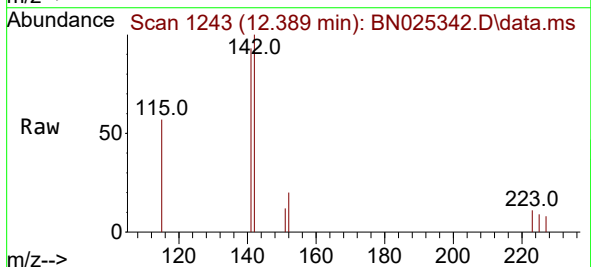
Instrument :
BNA_N
ClientSampleId :
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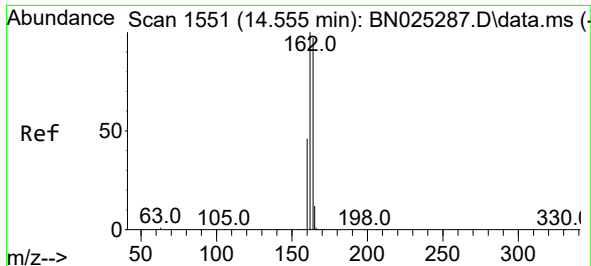
Tgt Ion:152 Resp: 1320
Ion Ratio Lower Upper
152 100
151 19.1 16.4 24.6



#12
2-Methylnaphthalene
Concen: 0.035 ng
RT: 12.389 min Scan# 1243
Delta R.T. 0.007 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

Tgt Ion:142 Resp: 1481
Ion Ratio Lower Upper
142 100
141 93.4 70.5 105.7
115 57.4 31.6 47.4#

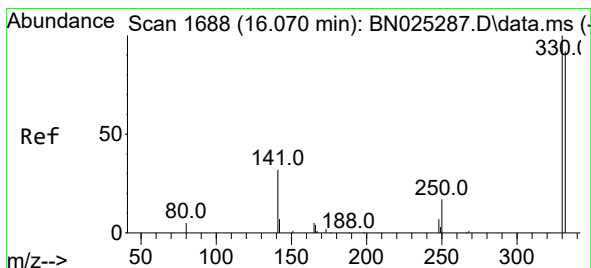
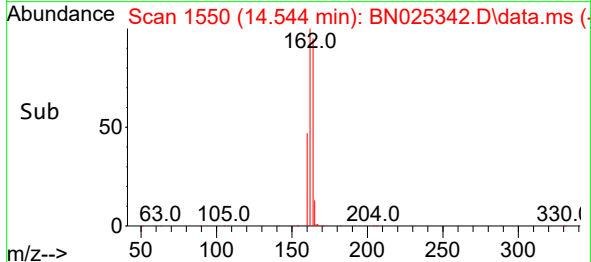
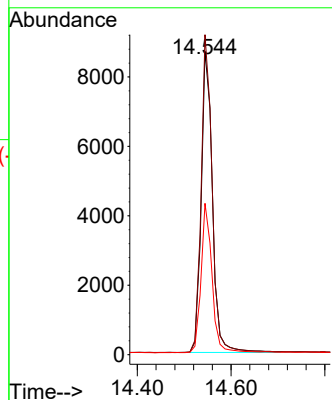
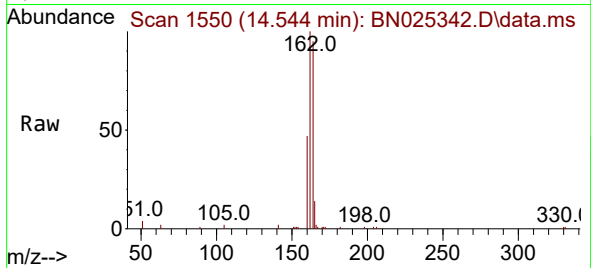




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

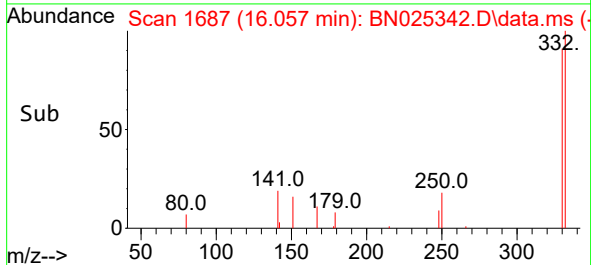
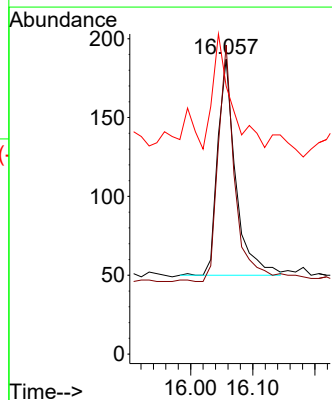
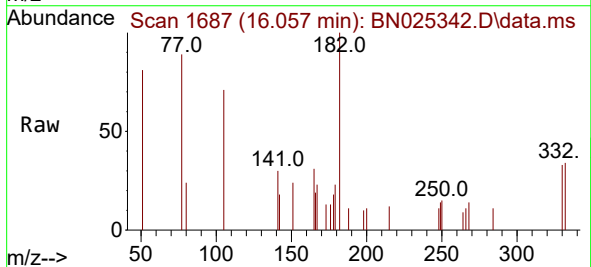
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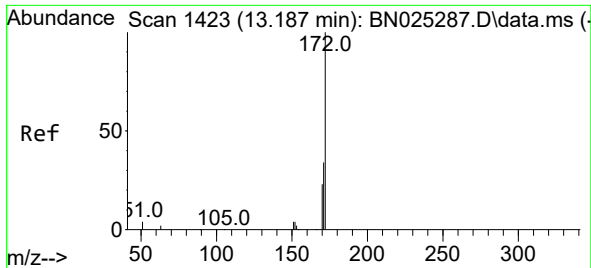
Tgt Ion:164 Resp: 14410
Ion Ratio Lower Upper
164 100
162 105.5 82.1 123.1
160 49.9 38.3 57.5



#14
2,4,6-Tribromophenol
Concen: 0.037 ng
RT: 16.057 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

Tgt Ion:330 Resp: 276
Ion Ratio Lower Upper
330 100
332 102.5 77.4 116.0
141 53.6 28.9 43.3#

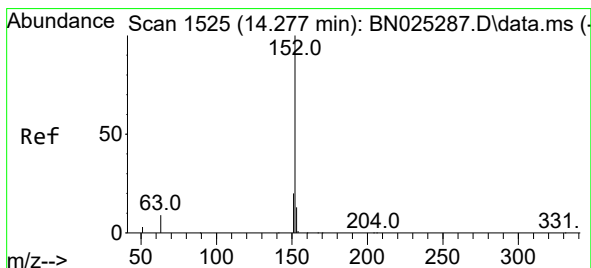
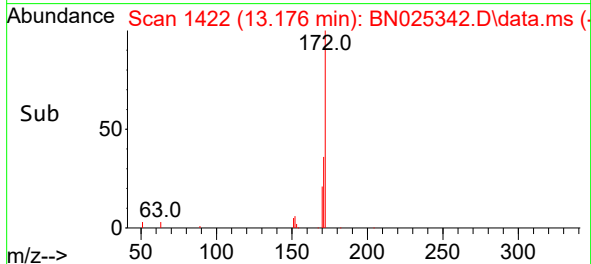
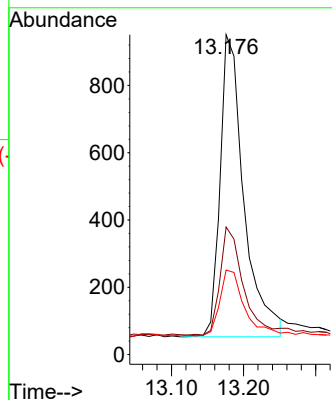
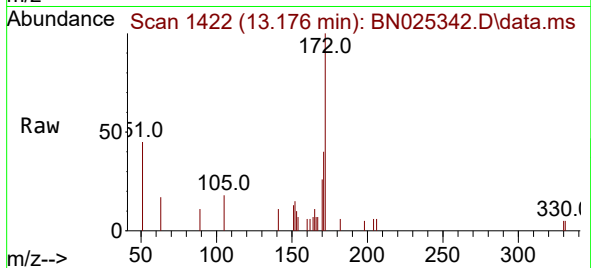




#15
2-Fluorobiphenyl
Concen: 0.042 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

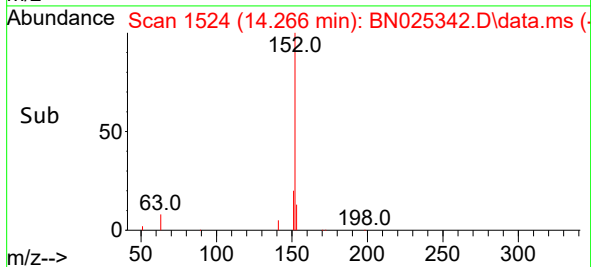
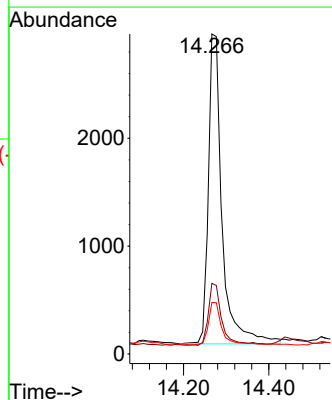
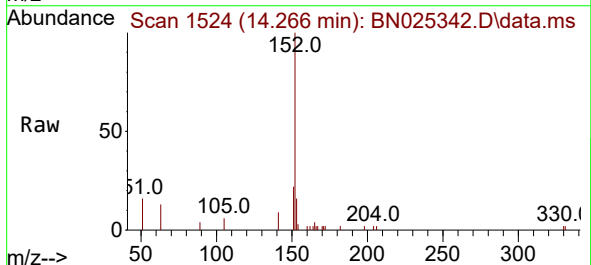
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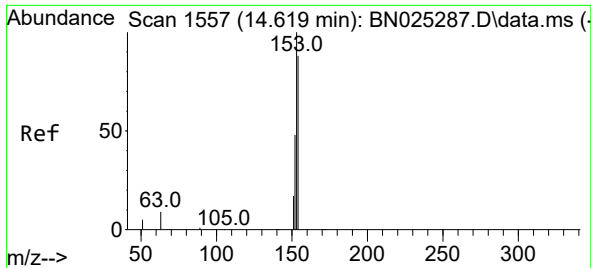
Tgt Ion:	172	Resp:	2052
Ion Ratio	Lower	Upper	
172	100		
171	39.9	27.9	41.9
170	26.4	19.0	28.4



#16
Acenaphthylene
Concen: 0.099 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

Tgt Ion:	152	Resp:	6417
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.1	24.1
153	13.4	10.3	15.5

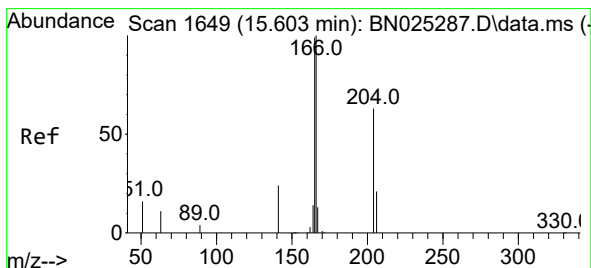
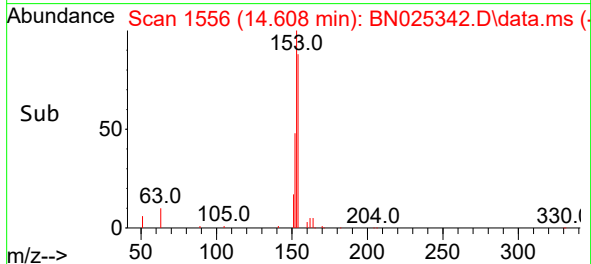
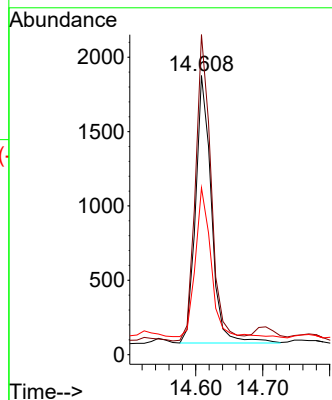
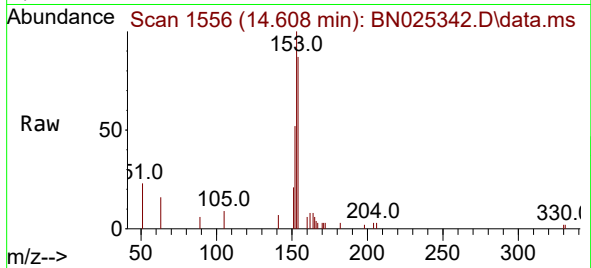




#17
Acenaphthene
Concen: 0.074 ng
RT: 14.608 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

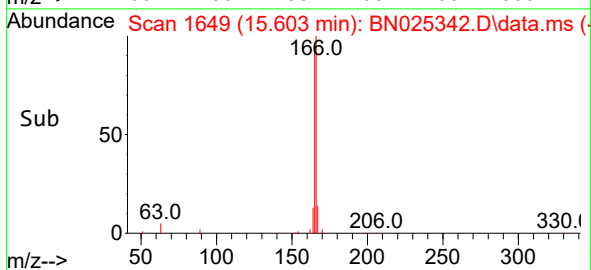
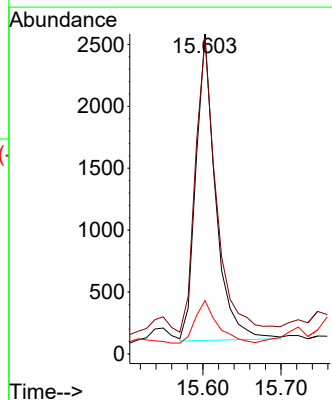
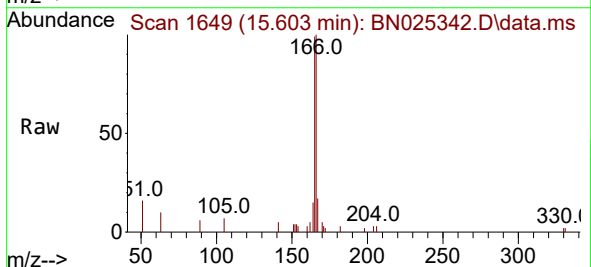
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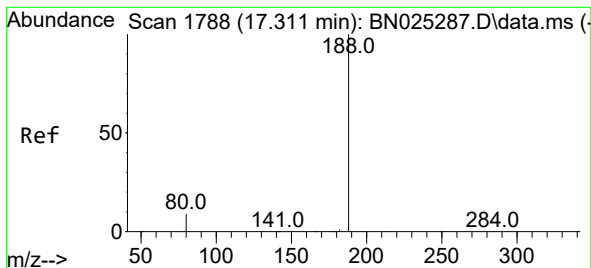
Tgt Ion:154 Resp: 2953
Ion Ratio Lower Upper
154 100
153 113.2 91.3 136.9
152 56.5 44.7 67.1



#18
Fluorene
Concen: 0.079 ng
RT: 15.603 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

Tgt Ion:166 Resp: 4346
Ion Ratio Lower Upper
166 100
165 100.6 79.0 118.4
167 15.6 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: BN025342.D

Acq: 08 May 2023 20:46

Instrument :

BNA_N

ClientSampleId :

ZONE-A-0-3-05022023DL

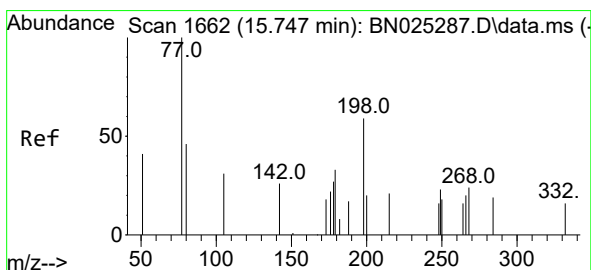
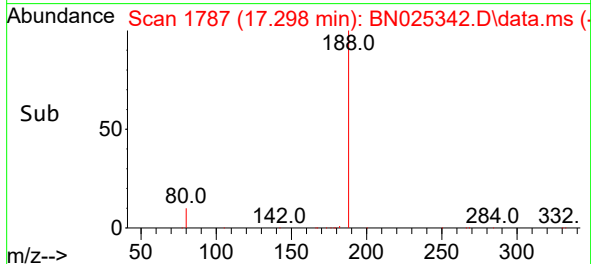
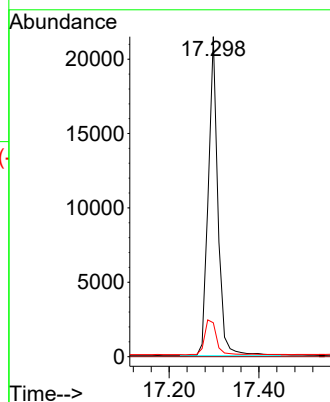
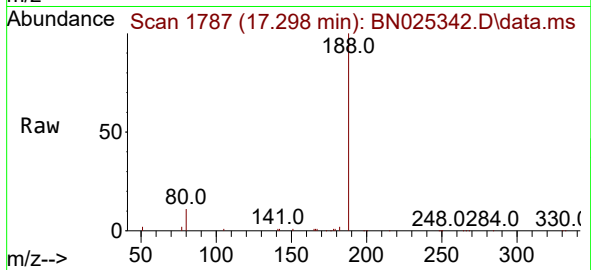
Tgt Ion:188 Resp: 31956

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.0 12.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.282 ng

RT: 15.722 min Scan# 1660

Delta R.T. 0.012 min

Lab File: BN025342.D

Acq: 08 May 2023 20:46

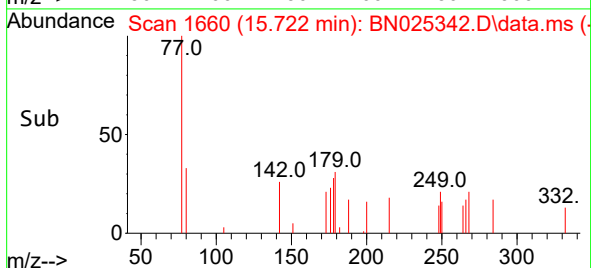
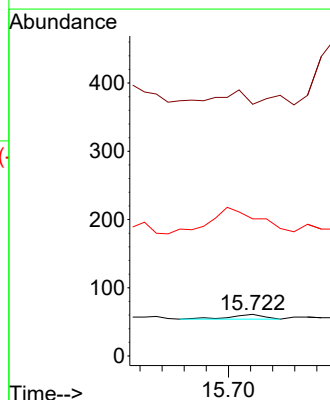
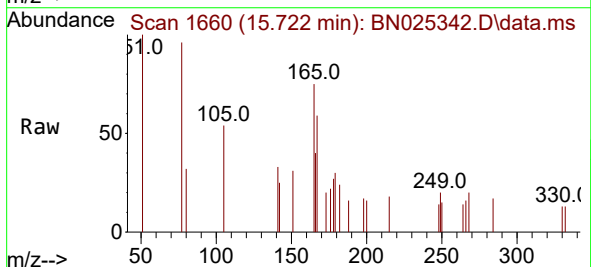
Tgt Ion:198 Resp: 14

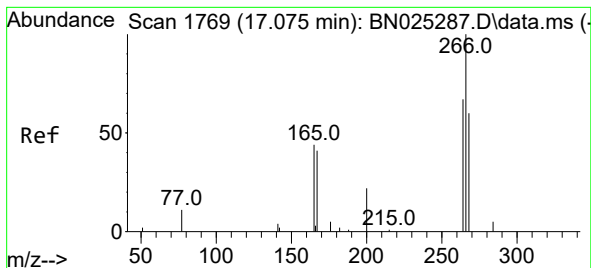
Ion Ratio Lower Upper

198 100

51 604.9 162.1 243.1#

105 329.5 83.1 124.7#





#24

Pentachlorophenol

Concen: 0.271 ng

RT: 16.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN025342.D

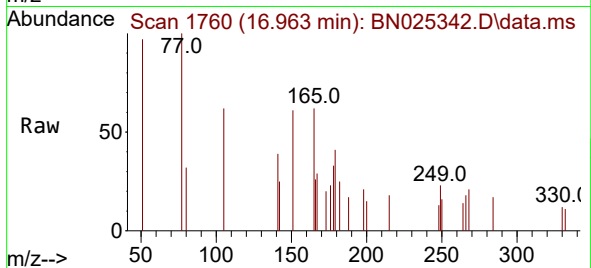
Acq: 08 May 2023 20:46

Instrument :

BNA_N

ClientSampleId :

ZONE-A-0-3-05022023DL



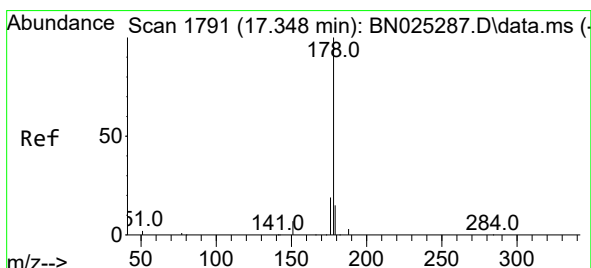
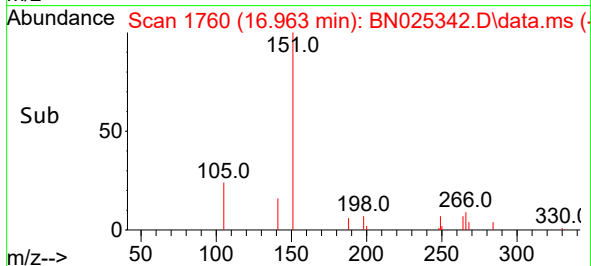
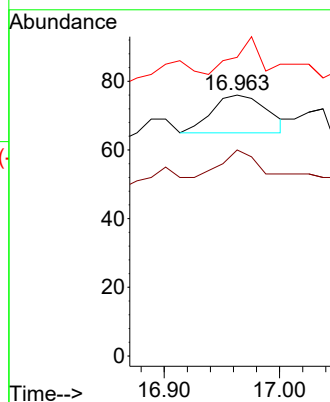
Tgt Ion:266 Resp: 36

Ion Ratio Lower Upper

266 100

264 50.0 43.0 64.4

268 77.8 47.4 71.2#



#25

Phenanthrene

Concen: 0.645 ng

RT: 17.336 min Scan# 1790

Delta R.T. -0.000 min

Lab File: BN025342.D

Acq: 08 May 2023 20:46

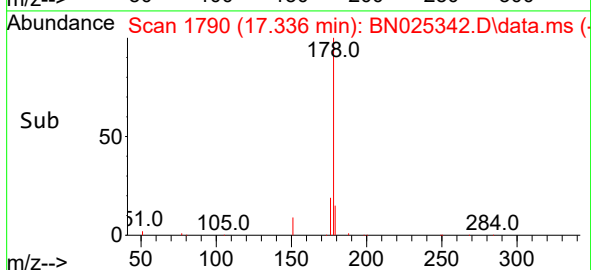
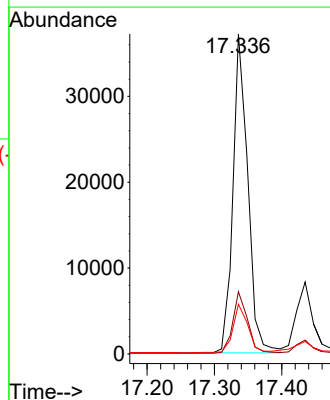
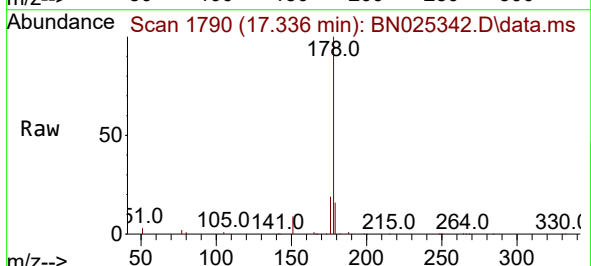
Tgt Ion:178 Resp: 57068

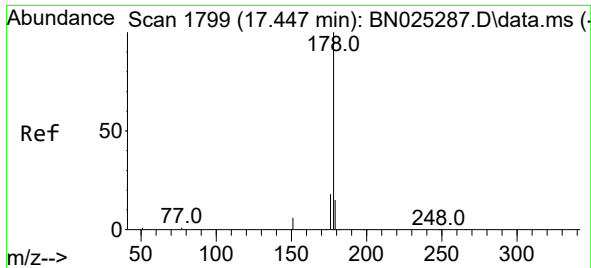
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.5 12.4 18.6

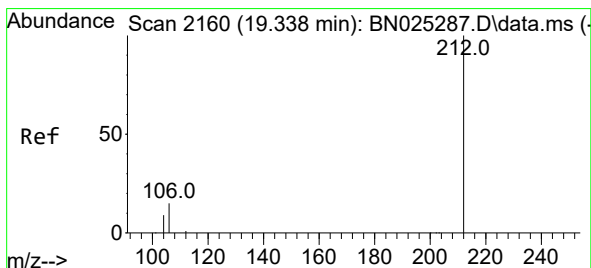
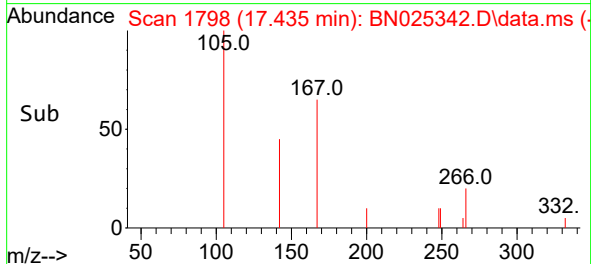
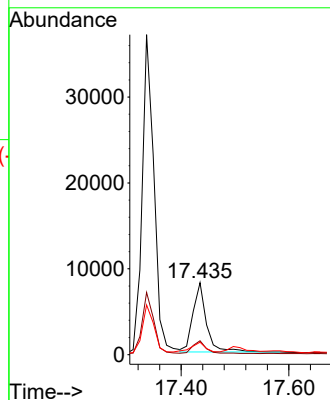
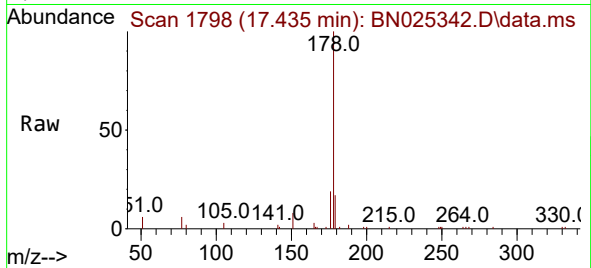




#26
 Anthracene
 Concen: 0.170 ng
 RT: 17.435 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN025342.D
 Acq: 08 May 2023 20:46

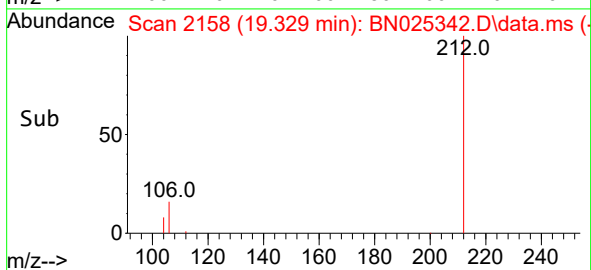
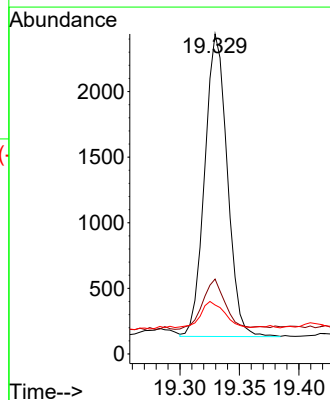
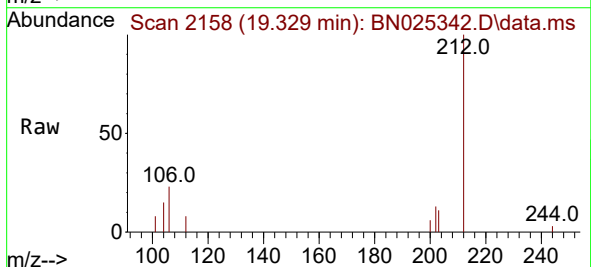
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-A-0-3-05022023DL

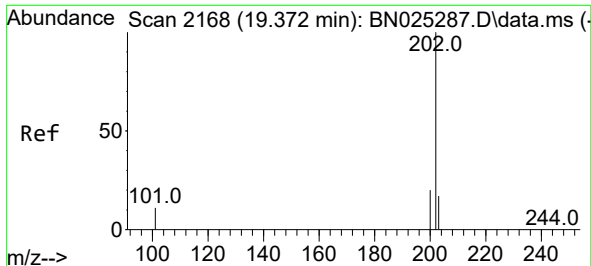
Tgt Ion:178 Resp: 14107
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.9 22.3
 179 13.9 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.039 ng
 RT: 19.329 min Scan# 2158
 Delta R.T. -0.004 min
 Lab File: BN025342.D
 Acq: 08 May 2023 20:46

Tgt Ion:212 Resp: 3050
 Ion Ratio Lower Upper
 212 100
 106 16.5 12.6 19.0
 104 9.5 7.0 10.6

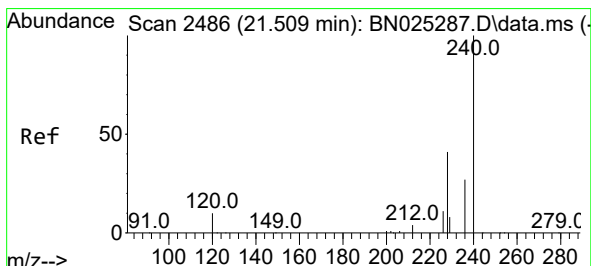
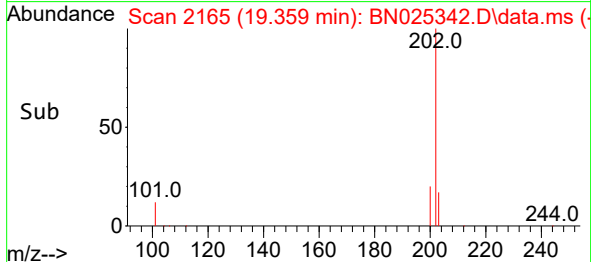
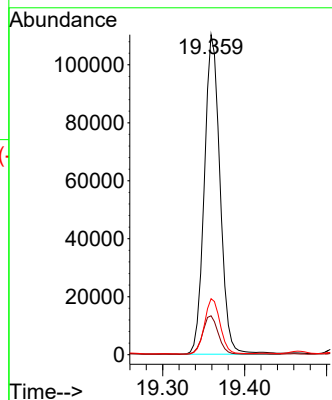
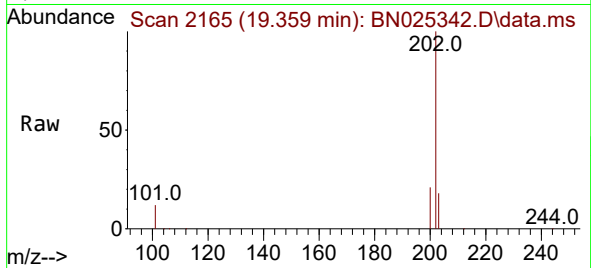




#28
Fluoranthene
Concen: 1.325 ng
RT: 19.359 min Scan# 2165
Delta R.T. -0.004 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

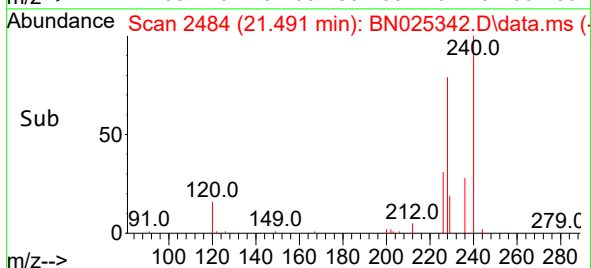
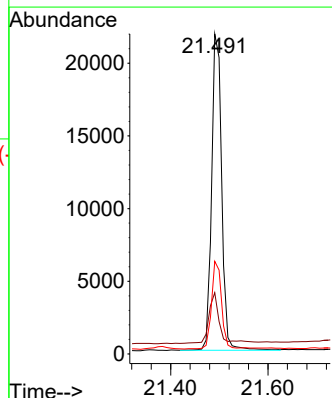
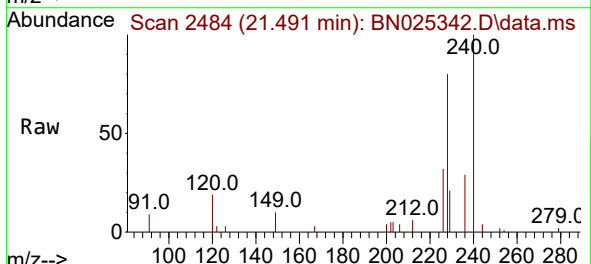
Instrument :
BNA_N
ClientSampleId :
ZONE-A-0-3-05022023DL

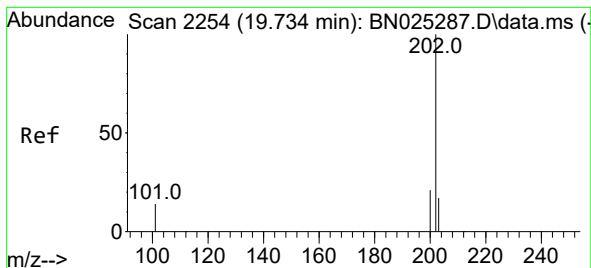
Tgt Ion:202 Resp: 146346
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.8
203 17.2 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.491 min Scan# 2484
Delta R.T. -0.009 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

Tgt Ion:240 Resp: 31347
Ion Ratio Lower Upper
240 100
120 19.2 10.3 15.5#
236 28.9 22.3 33.5





#30

Pyrene

Concen: 1.220 ng

RT: 19.721 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN025342.D

Acq: 08 May 2023 20:46

Instrument :

BNA_N

ClientSampleId :

ZONE-A-0-3-05022023DL

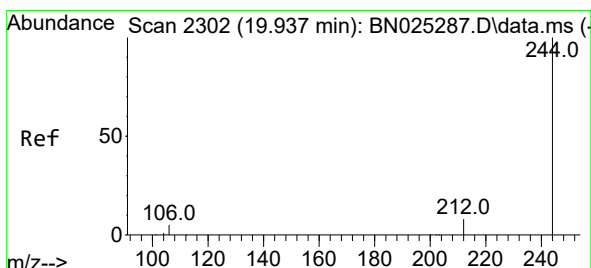
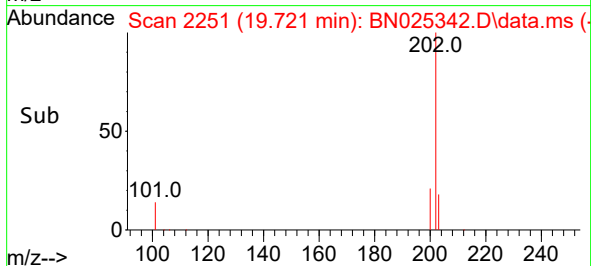
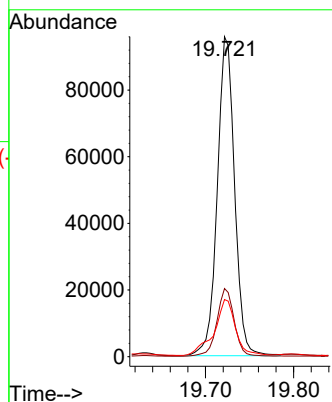
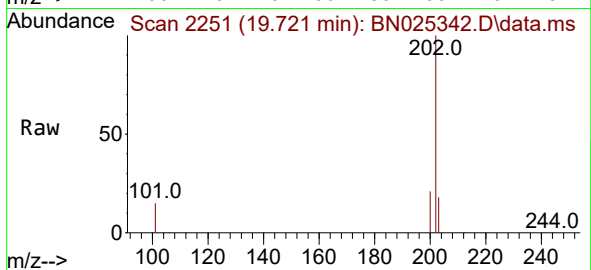
Tgt Ion:202 Resp: 130712

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 21.5 14.4 21.6



#31

Terphenyl-d14

Concen: 0.042 ng

RT: 19.924 min Scan# 2299

Delta R.T. -0.004 min

Lab File: BN025342.D

Acq: 08 May 2023 20:46

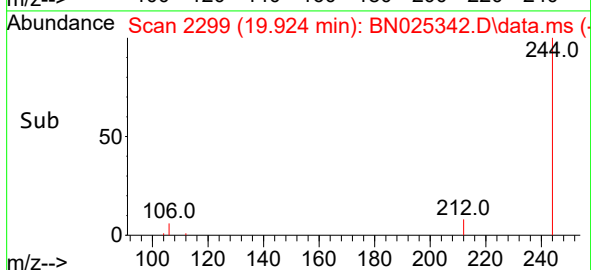
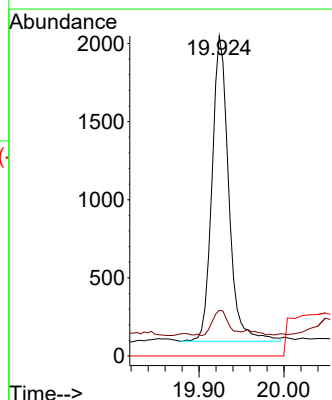
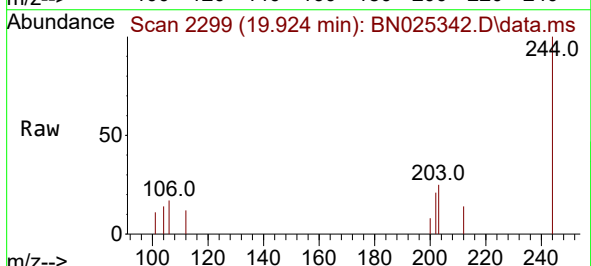
Tgt Ion:244 Resp: 2671

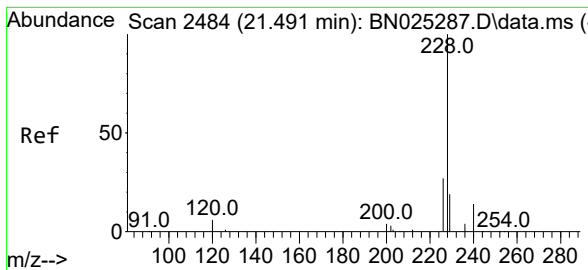
Ion Ratio Lower Upper

244 100

212 14.3 7.1 10.7#

122 0.0 0.0 0.0





#32

Benzo(a)anthracene

Concen: 0.693 ng

RT: 21.482 min Scan# 2483

Delta R.T. -0.000 min

Lab File: BN025342.D

Acq: 08 May 2023 20:46

Instrument :

BNA_N

ClientSampleId :

ZONE-A-0-3-05022023DL

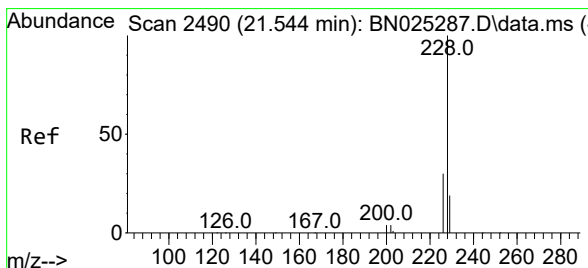
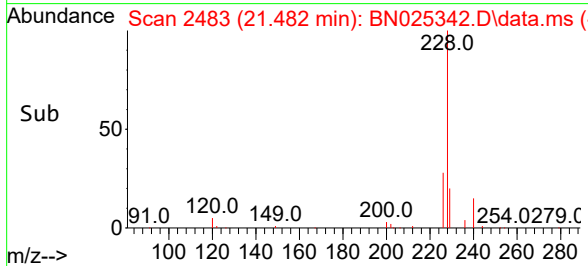
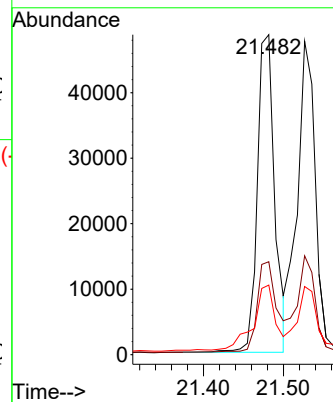
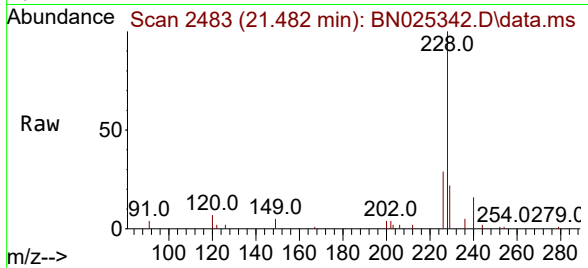
Tgt Ion:228 Resp: 73399

Ion Ratio Lower Upper

228 100

226 29.0 22.5 33.7

229 21.8 16.2 24.2



#33

Chrysene

Concen: 0.706 ng

RT: 21.526 min Scan# 2488

Delta R.T. -0.009 min

Lab File: BN025342.D

Acq: 08 May 2023 20:46

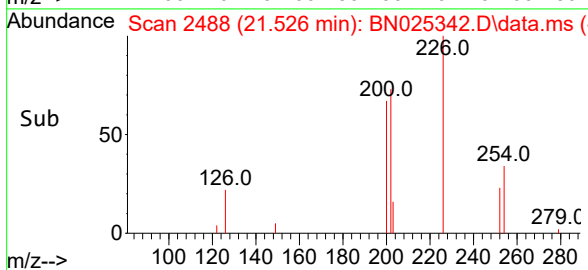
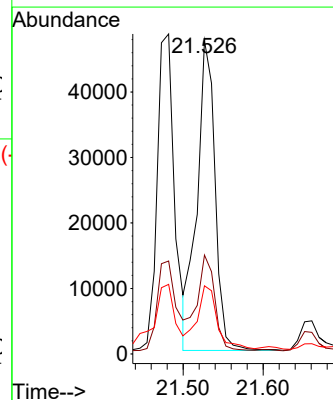
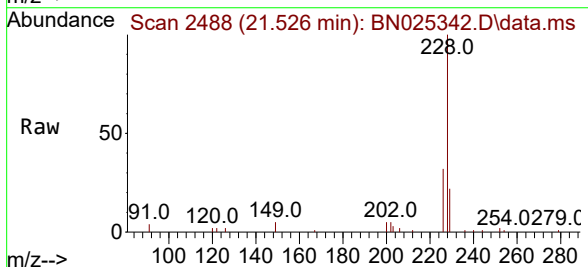
Tgt Ion:228 Resp: 74429

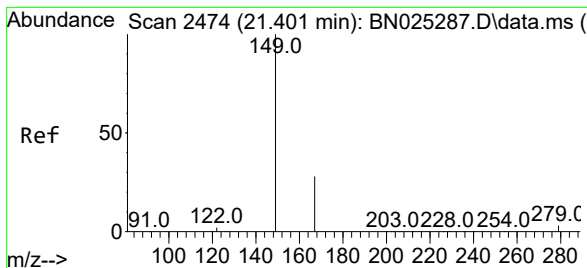
Ion Ratio Lower Upper

228 100

226 31.6 24.6 36.8

229 21.7 16.2 24.4





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.155 ng

RT: 21.392 min Scan# 2473

Delta R.T. -0.000 min

Lab File: BN025342.D

Acq: 08 May 2023 20:46

Instrument :

BNA_N

ClientSampleId :

ZONE-A-0-3-05022023DL

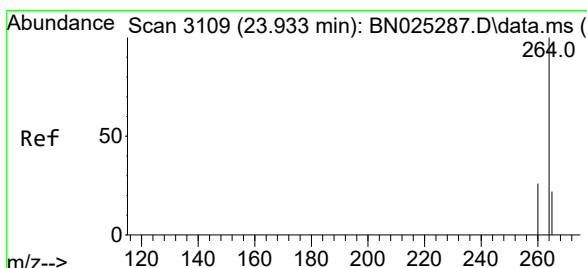
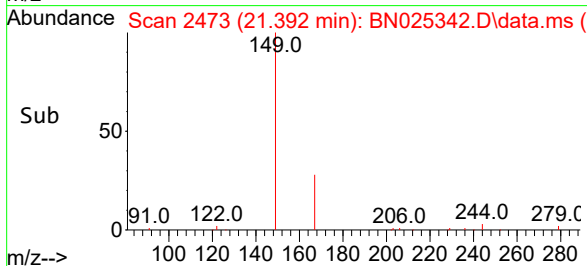
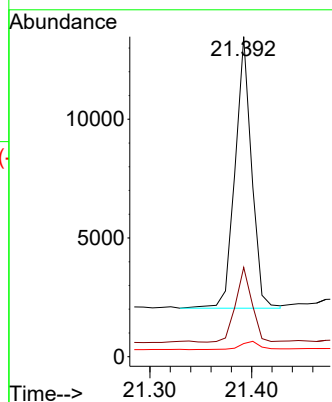
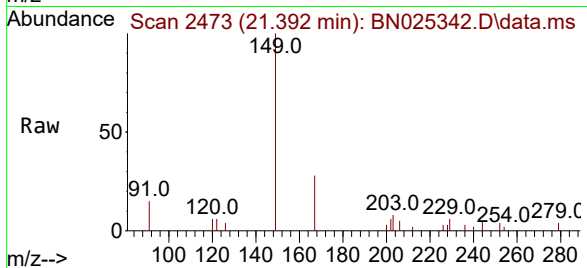
Tgt Ion:149 Resp: 12871

Ion Ratio Lower Upper

149 100

167 27.1 22.2 33.4

279 3.6 2.6 4.0



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.927 min Scan# 3107

Delta R.T. -0.003 min

Lab File: BN025342.D

Acq: 08 May 2023 20:46

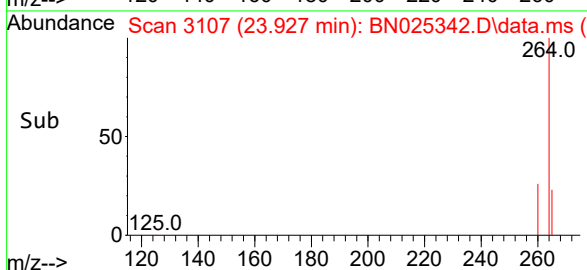
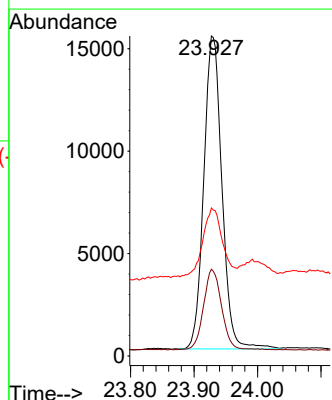
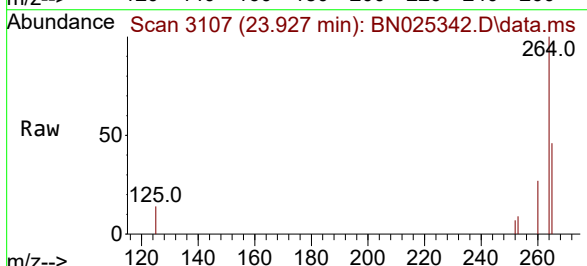
Tgt Ion:264 Resp: 30317

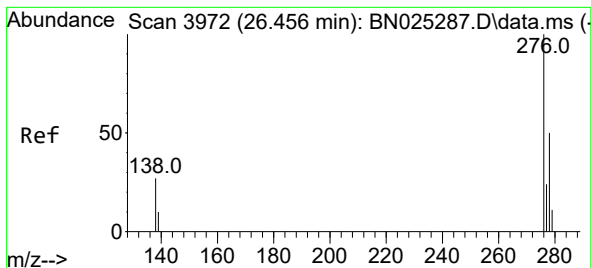
Ion Ratio Lower Upper

264 100

260 27.1 21.5 32.3

265 46.2 46.2 69.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.306 ng

RT: 26.468 min Scan# 3976

Delta R.T. 0.020 min

Lab File: BN025342.D

Acq: 08 May 2023 20:46

Instrument :

BNA_N

ClientSampleId :

ZONE-A-0-3-05022023DL

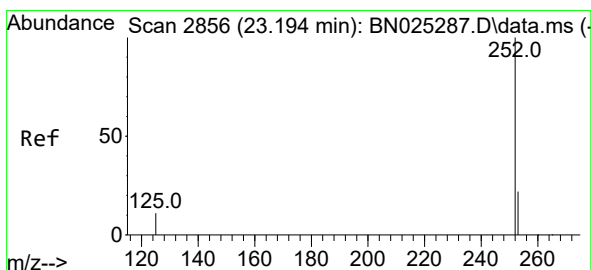
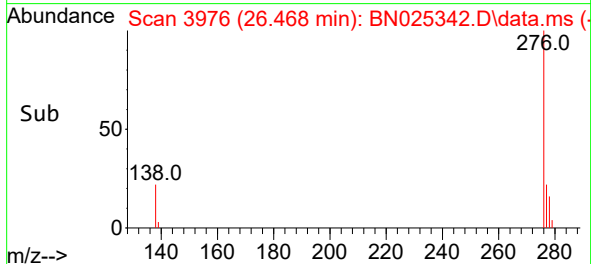
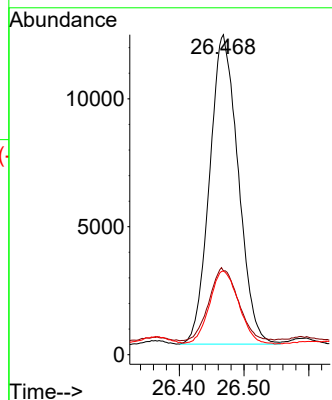
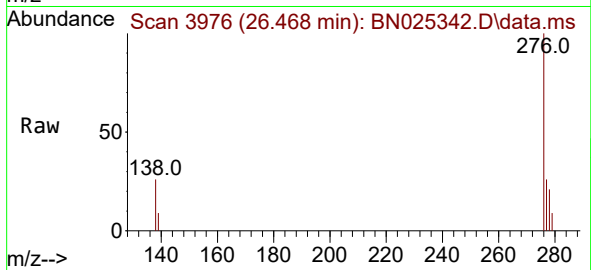
Tgt Ion:276 Resp: 37162

Ion Ratio Lower Upper

276 100

138 23.9 22.5 33.7

277 23.9 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 1.001 ng

RT: 23.188 min Scan# 2854

Delta R.T. -0.000 min

Lab File: BN025342.D

Acq: 08 May 2023 20:46

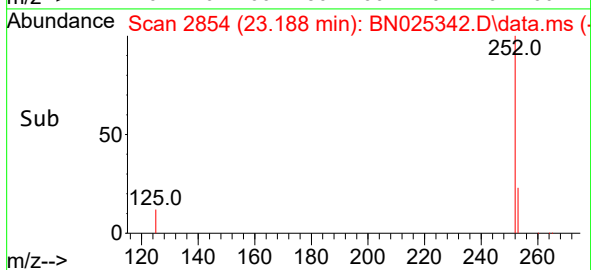
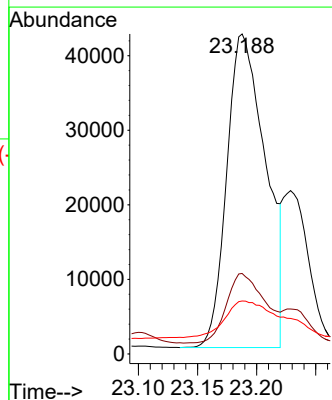
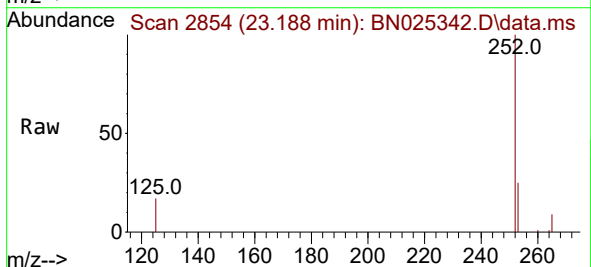
Tgt Ion:252 Resp: 96193

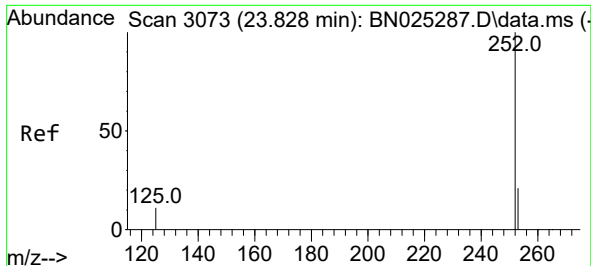
Ion Ratio Lower Upper

252 100

253 25.1 20.8 31.2

125 16.6 13.4 20.2

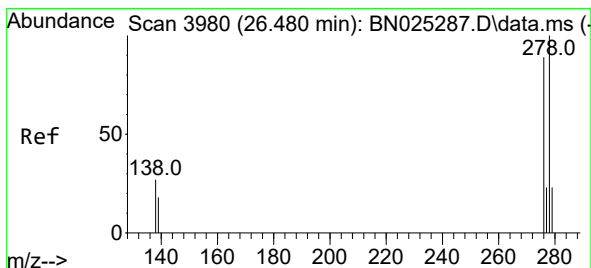
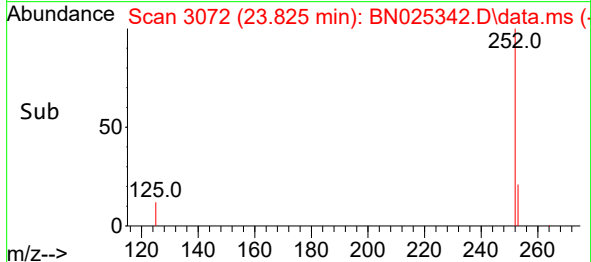
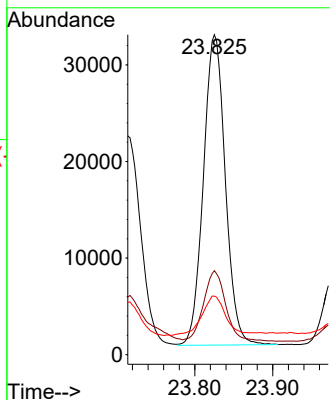
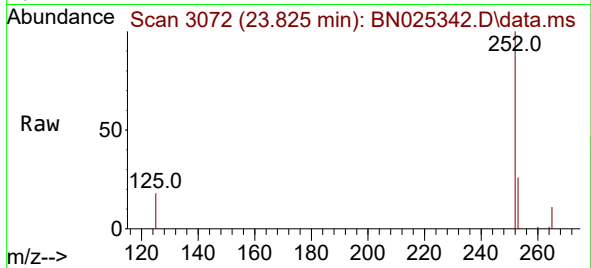




#39
Benzo(a)pyrene
Concen: 0.637 ng
RT: 23.825 min Scan# 3073
Delta R.T. 0.003 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

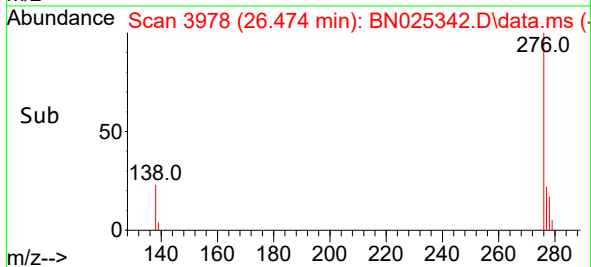
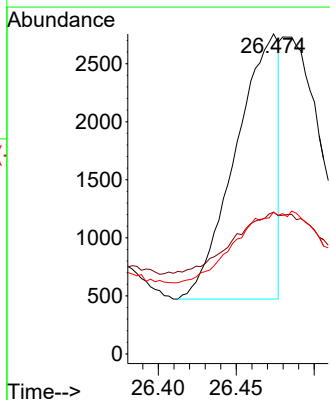
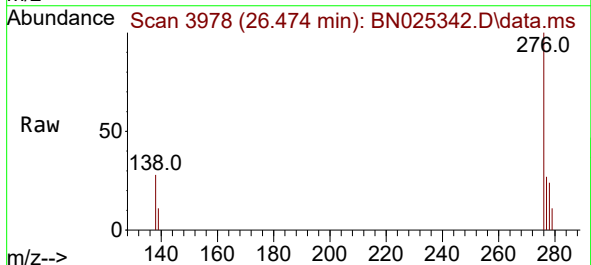
Instrument :
BNA_N
ClientSampleId :
ZONE-A-0-3-05022023DL

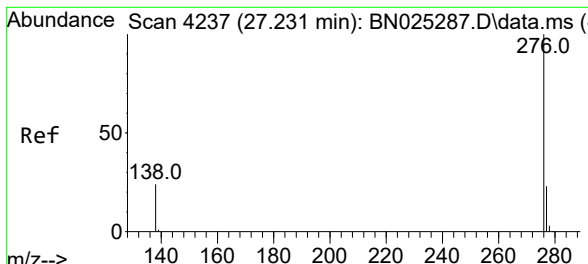
Tgt Ion:252 Resp: 62735
Ion Ratio Lower Upper
252 100
253 26.3 21.4 32.0
125 18.3 15.4 23.2



#40
Dibenzo(a,h)anthracene
Concen: 0.045 ng
RT: 26.474 min Scan# 3978
Delta R.T. 0.009 min
Lab File: BN025342.D
Acq: 08 May 2023 20:46

Tgt Ion:278 Resp: 4360
Ion Ratio Lower Upper
278 100
139 44.3 17.6 26.4#
279 44.3 21.6 32.4#





#41
 Benzo(g,h,i)perylene
 Concen: 0.356 ng
 RT: 27.255 min Scan# 41
 Delta R.T. 0.026 min
 Lab File: BN025342.D
 Acq: 08 May 2023 20:46

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

Tgt Ion:	276	Resp:	37514
Ion Ratio	Lower	Upper	
276	100		
277	26.1	20.1	30.1
138	27.6	21.0	31.6

