

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050923\
 Data File : BN025364.D
 Acq On : 09 May 2023 13:17
 Operator : CG/JU
 Sample : 02588-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023

Quant Time: May 10 03:58:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 10:18:02 2023
 Response via : Initial Calibration

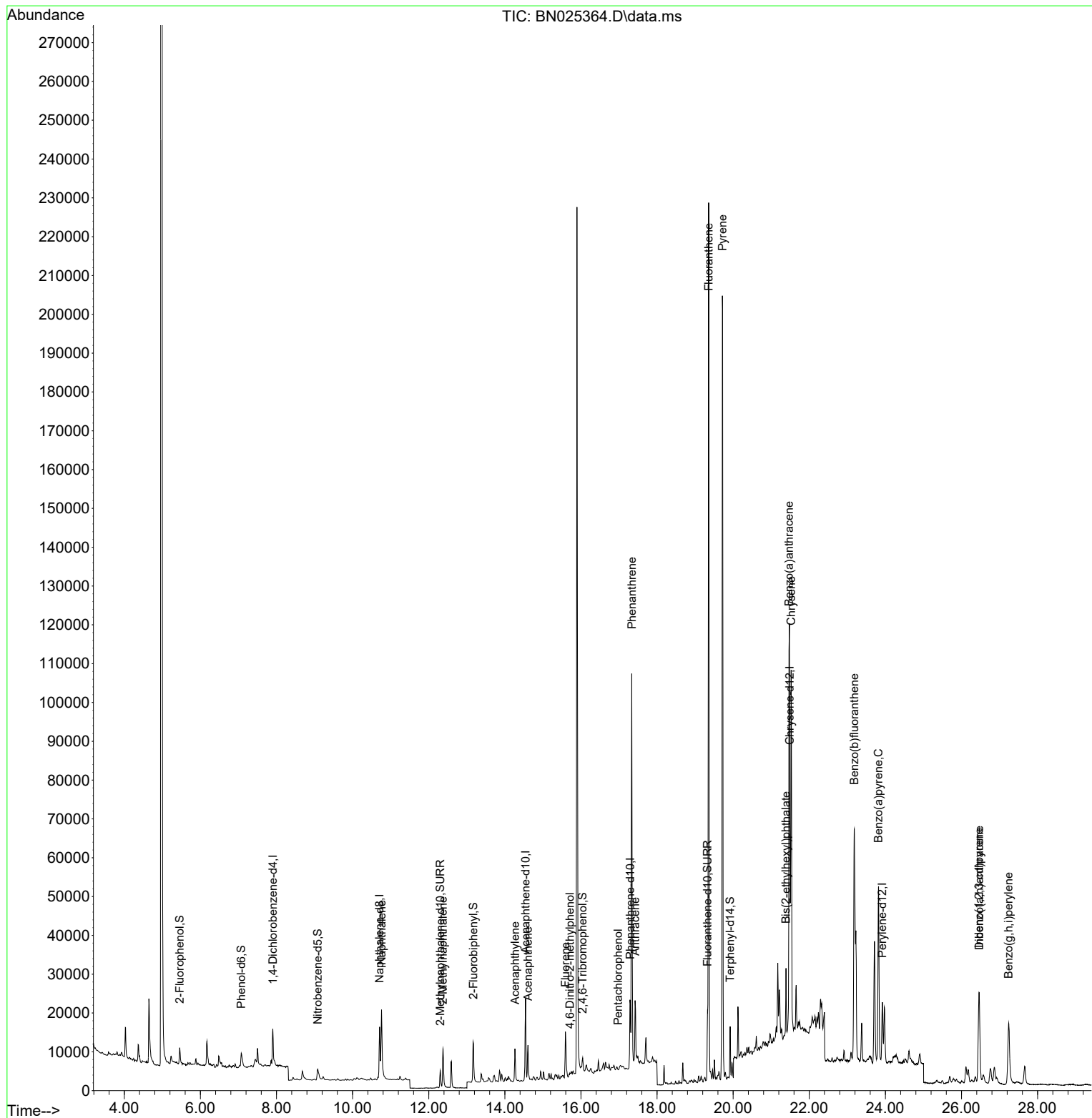
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	6065	0.400	ng	0.00
7) Naphthalene-d8	10.707	136	20792	0.400	ng	# 0.00
13) Acenaphthene-d10	14.544	164	12348	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	27138	0.400	ng	0.00
29) Chrysene-d12	21.486	240	25681	0.400	ng	# 0.00
35) Perylene-d12	23.920	264	21602	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.455	112	4067	0.275	ng	0.00
5) Phenol-d6	7.073	99	4782	0.258	ng	0.00
8) Nitrobenzene-d5	9.084	82	3687	0.216	ng	0.01
11) 2-Methylnaphthalene-d10	12.302	152	7749	0.273	ng	0.00
14) 2,4,6-Tribromophenol	16.045	330	1597	0.253	ng	0.00
15) 2-Fluorobiphenyl	13.176	172	11483	0.271	ng	0.00
27) Fluoranthene-d10	19.325	212	19079	0.284	ng	0.00
31) Terphenyl-d14	19.920	244	14269	0.276	ng	0.00
Target Compounds						
9) Naphthalene	10.760	128	24630	0.462	ng	99
12) 2-Methylnaphthalene	12.373	142	9058	0.240	ng	99
16) Acenaphthylene	14.266	152	9601	0.174	ng	99
17) Acenaphthene	14.608	154	4569	0.133	ng	96
18) Fluorene	15.592	166	8323	0.177	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.710	198	40	0.287	ng	# 1
24) Pentachlorophenol	16.976	266	58	0.275	ng	# 87
25) Phenanthrene	17.336	178	106250	1.415	ng	100
26) Anthracene	17.422	178	21850	0.311	ng	99
28) Fluoranthene	19.355	202	206728	2.204	ng	99
30) Pyrene	19.717	202	182946	2.084	ng	96
32) Benzo(a)anthracene	21.468	228	93474	1.077	ng	98
33) Chrysene	21.522	228	91161	1.055	ng	98
34) Bis(2-ethylhexyl)phtha...	21.387	149	14389	0.211	ng	97
36) Indeno(1,2,3-cd)pyrene	26.461	276	37809	0.437	ng	95
37) Benzo(b)fluoranthene	23.183	252	103672	1.514	ng	98
39) Benzo(a)pyrene	23.818	252	65073	0.928	ng	96
40) Dibenzo(a,h)anthracene	26.466	278	9118	0.133	ng	# 77
41) Benzo(g,h,i)perylene	27.238	276	35337	0.471	ng	100

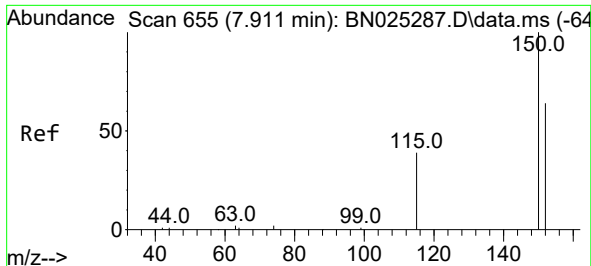
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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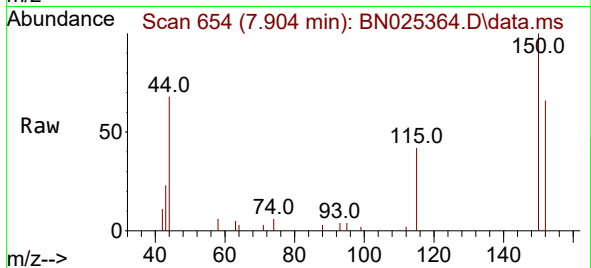
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
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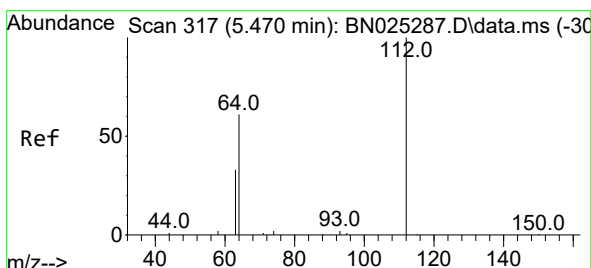
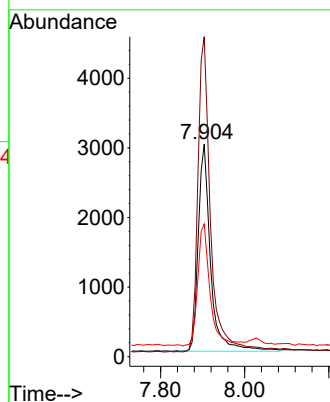
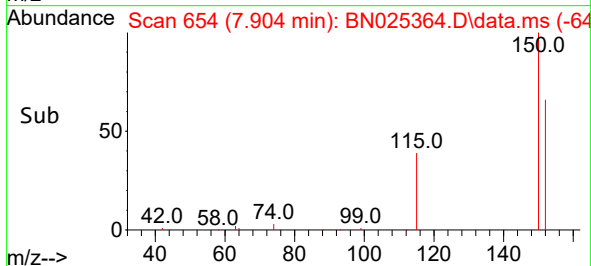


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

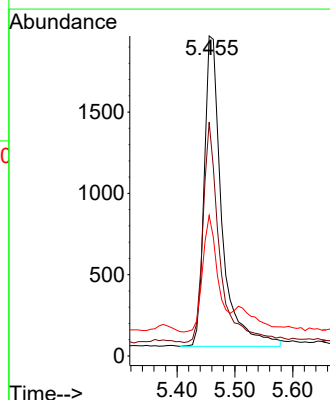
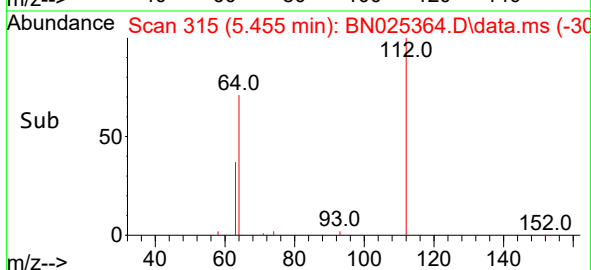
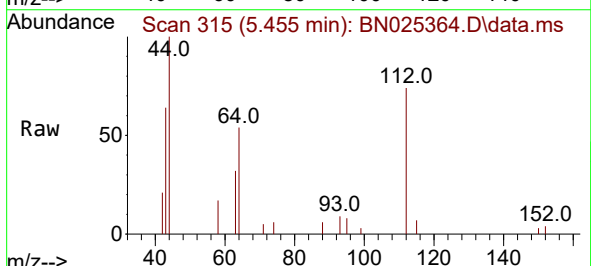


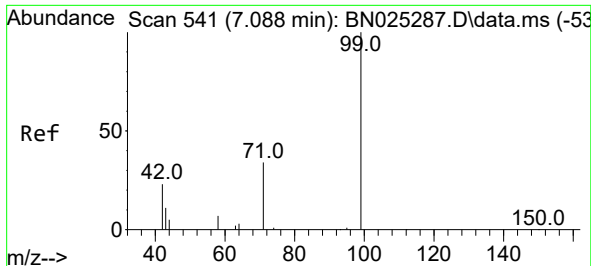
Tgt Ion:152 Resp: 6065
Ion Ratio Lower Upper
152 100
150 150.6 123.8 185.8
115 62.5 52.9 79.3



#4
2-Fluorophenol
Concen: 0.275 ng
RT: 5.455 min Scan# 315
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Tgt Ion:112 Resp: 4067
Ion Ratio Lower Upper
112 100
64 66.8 51.5 77.3
63 32.0 27.8 41.6

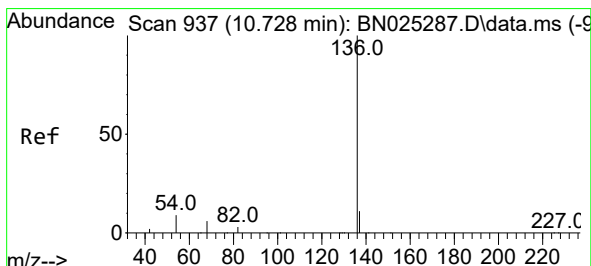
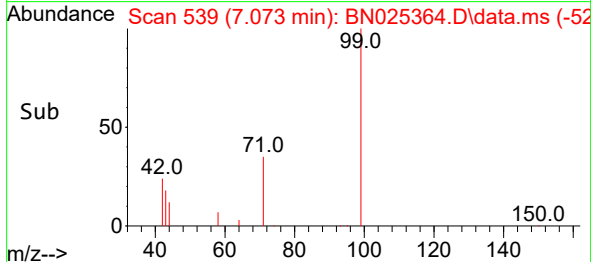
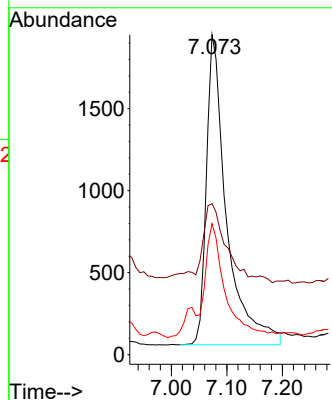
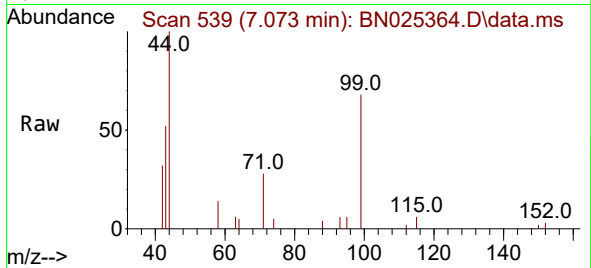




#5
Phenol-d6
Concen: 0.258 ng
RT: 7.073 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

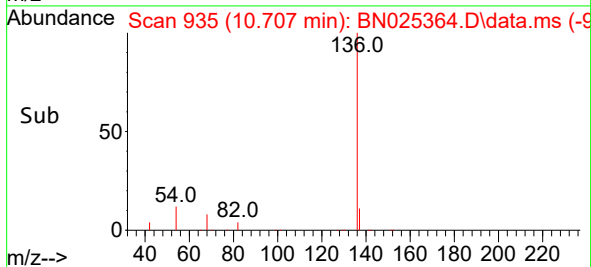
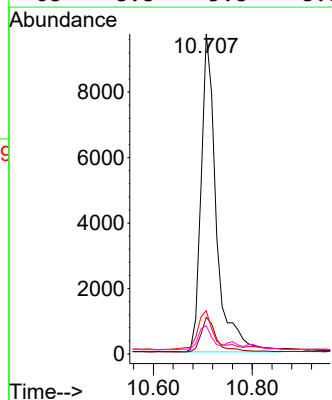
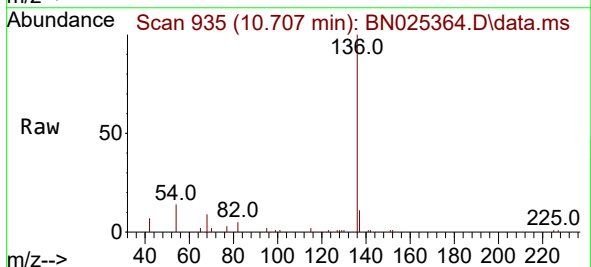
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ClientSampleId :
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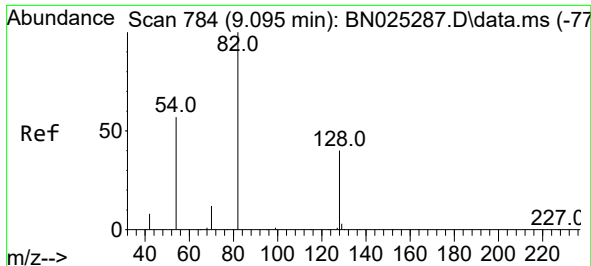
Tgt Ion: 99 Resp: 4782
Ion Ratio Lower Upper
99 100
42 30.6 22.0 33.0
71 34.0 28.7 43.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.707 min Scan# 935
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Tgt Ion: 136 Resp: 20792
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 13.5 8.5 12.7#
68 8.8 5.8 8.8#

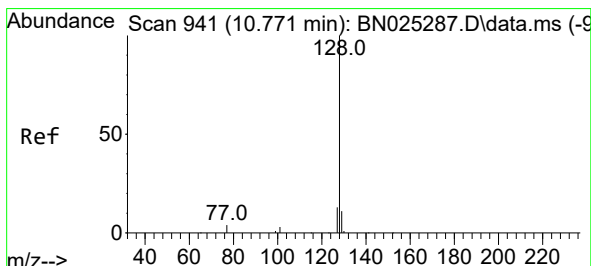
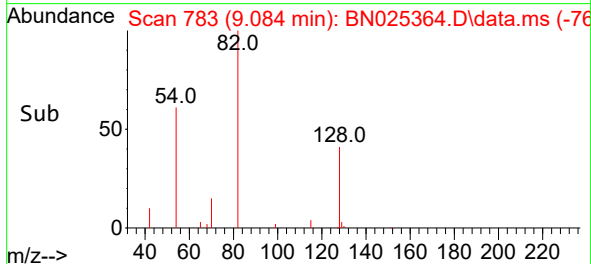
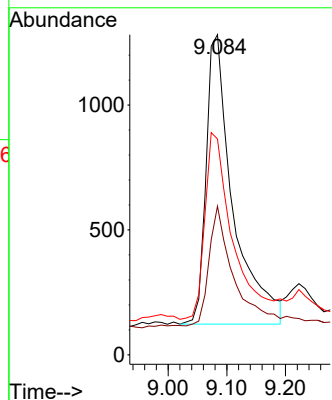
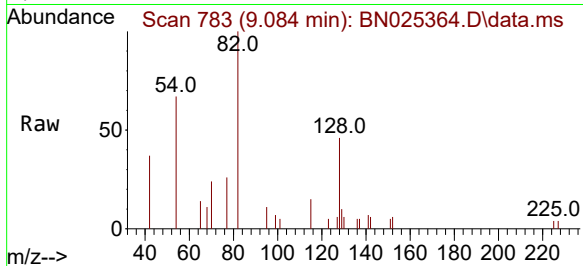




#8
Nitrobenzene-d5
Concen: 0.216 ng
RT: 9.084 min Scan# 784
Delta R.T. 0.011 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

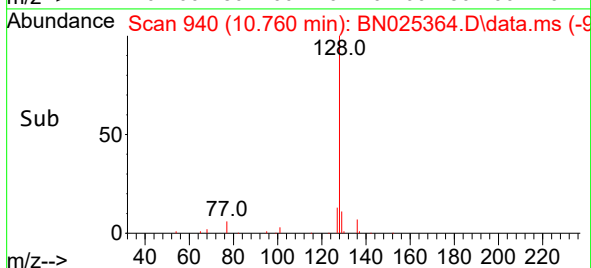
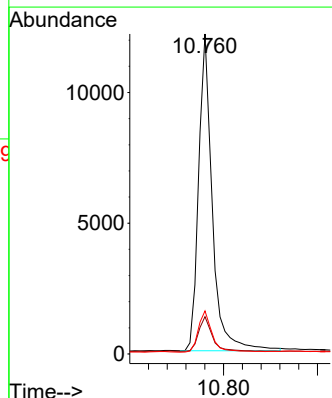
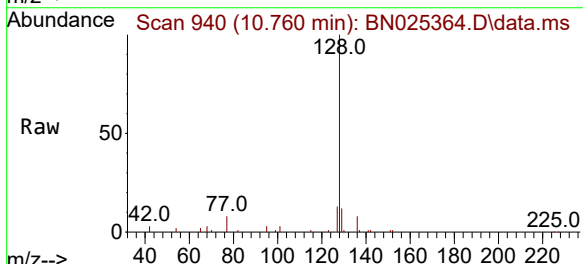
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BNA_N
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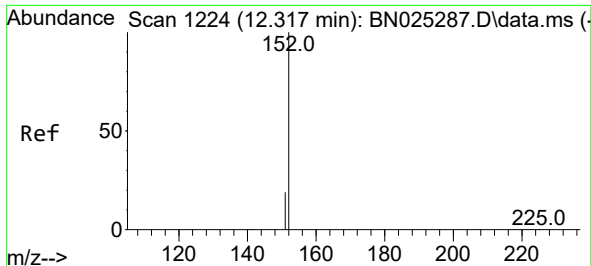
Tgt Ion: 82 Resp: 3687
Ion Ratio Lower Upper
82 100
128 46.4 35.3 52.9
54 67.4 48.7 73.1



#9
Naphthalene
Concen: 0.462 ng
RT: 10.760 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Tgt Ion: 128 Resp: 24630
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.2
127 13.4 11.0 16.6





#11

2-Methylnaphthalene-d10

Concen: 0.273 ng

RT: 12.302 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

Instrument :

BNA_N

ClientSampleId :

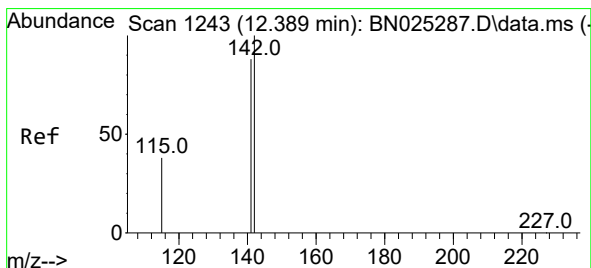
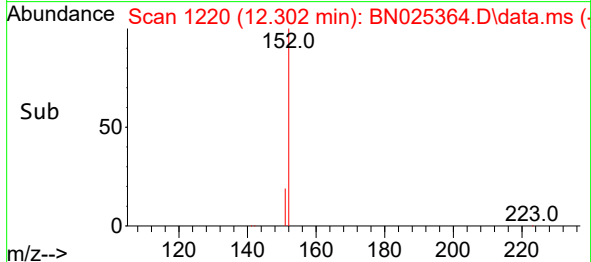
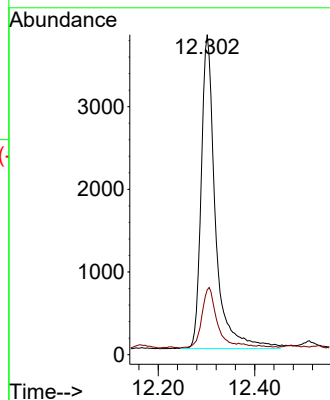
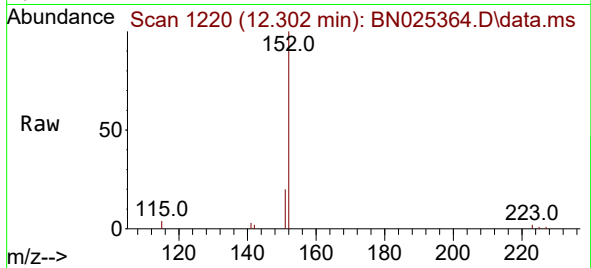
PILE-B-UNK-05022023

Tgt Ion:152 Resp: 7749

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6



#12

2-Methylnaphthalene

Concen: 0.240 ng

RT: 12.373 min Scan# 1239

Delta R.T. -0.004 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

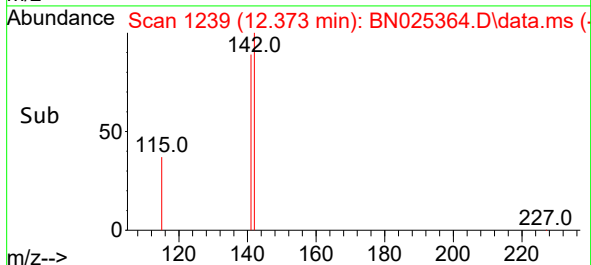
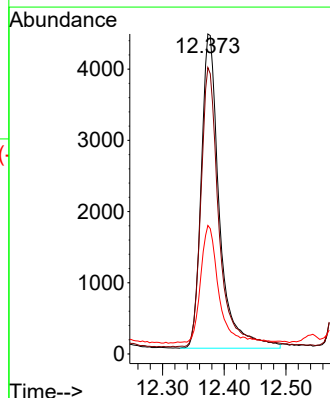
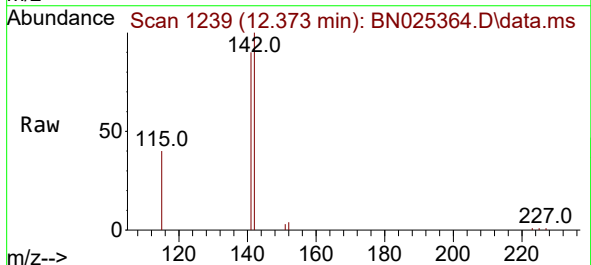
Tgt Ion:142 Resp: 9058

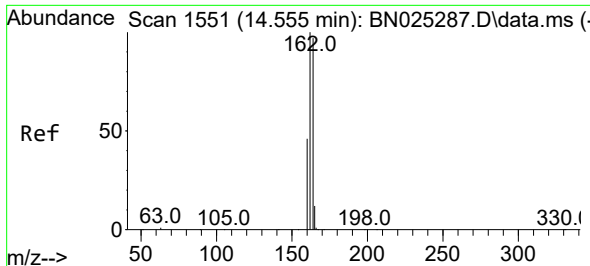
Ion Ratio Lower Upper

142 100

141 89.5 70.5 105.7

115 40.1 31.6 47.4

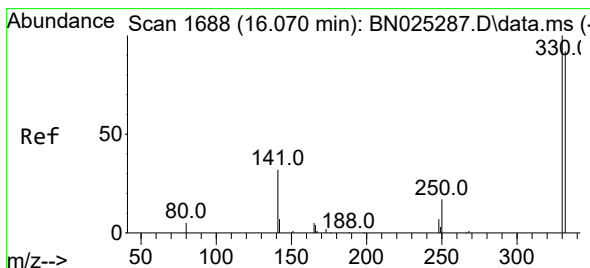
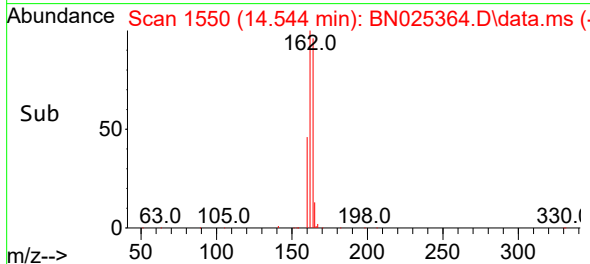
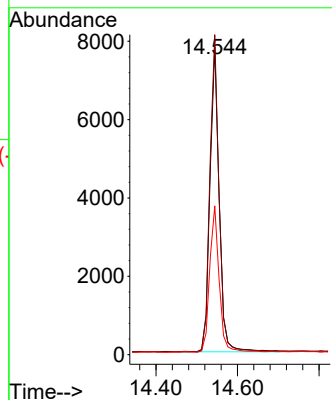
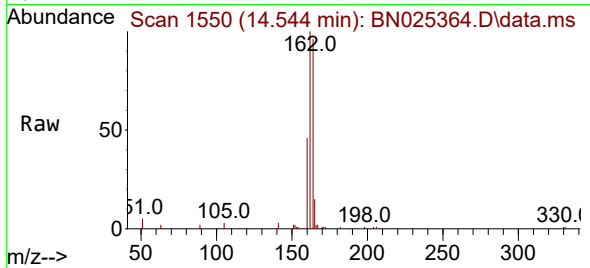




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

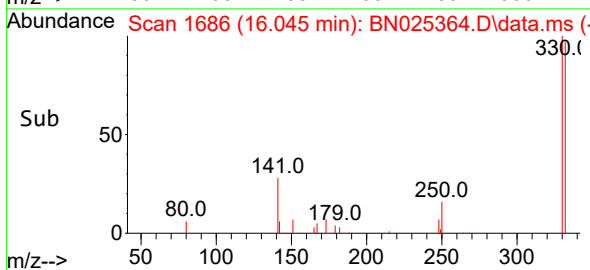
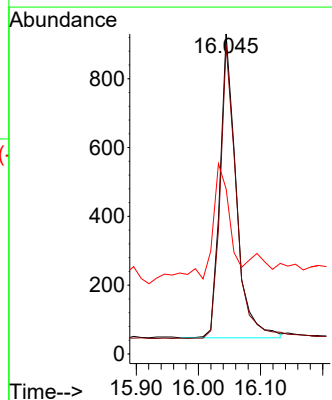
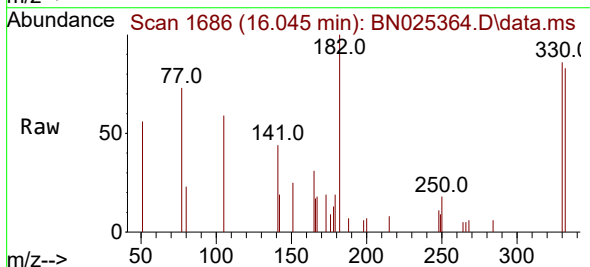
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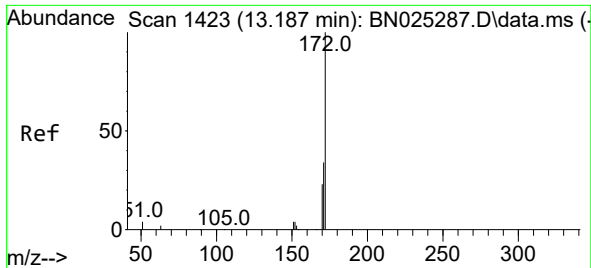
Tgt Ion:164 Resp: 12348
Ion Ratio Lower Upper
164 100
162 103.9 82.1 123.1
160 48.3 38.3 57.5



#14
2,4,6-Tribromophenol
Concen: 0.253 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Tgt Ion:330 Resp: 1597
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 33.9 28.9 43.3

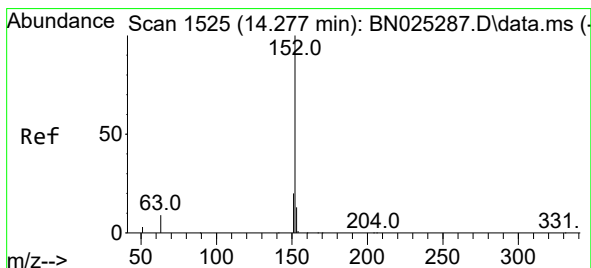
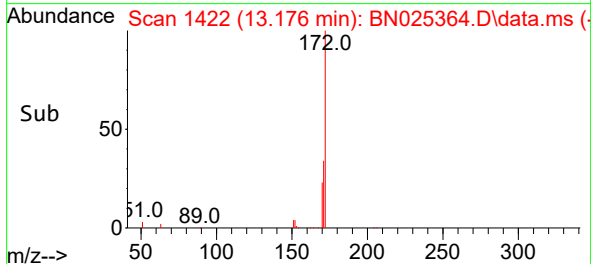
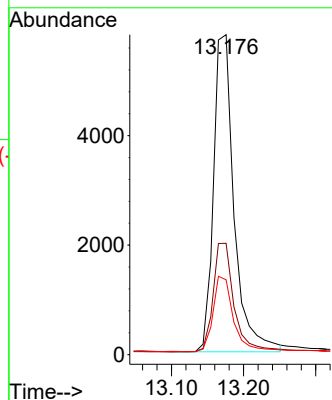
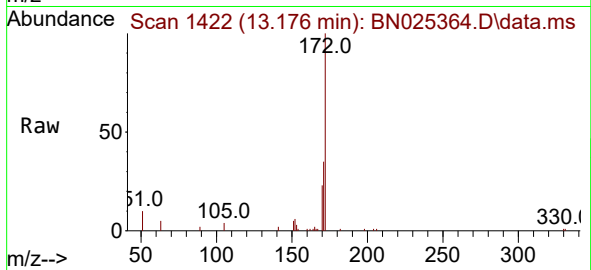




#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 13.176 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

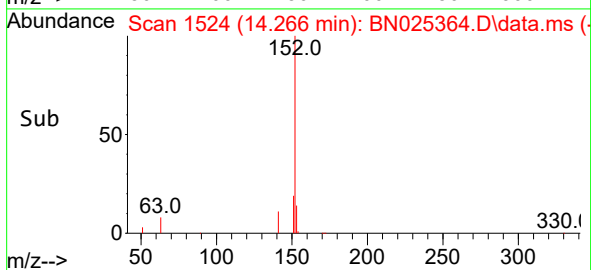
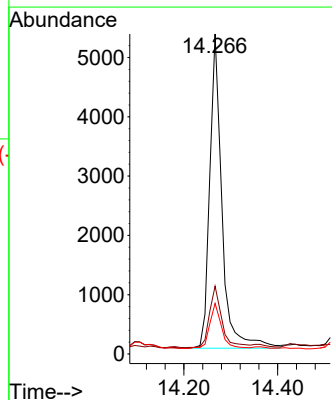
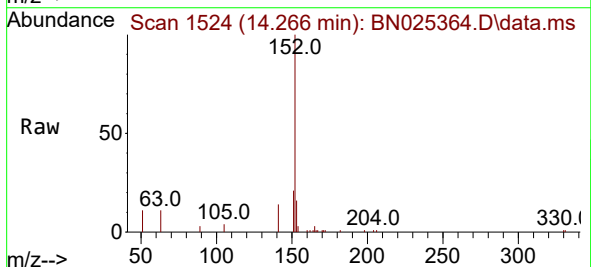
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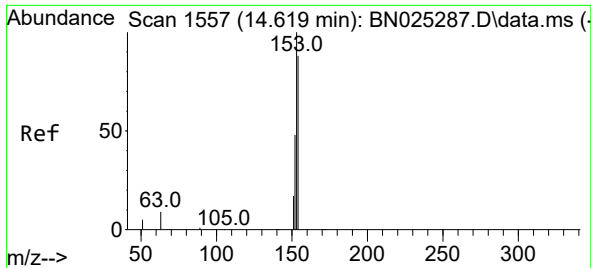
Tgt Ion:	172	Resp:	11483
Ion Ratio	Lower	Upper	
172	100		
171	34.8	27.9	41.9
170	23.4	19.0	28.4



#16
Acenaphthylene
Concen: 0.174 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Tgt Ion:	152	Resp:	9601
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.1	24.1
153	13.9	10.3	15.5

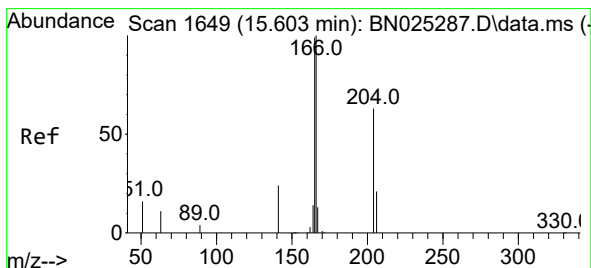
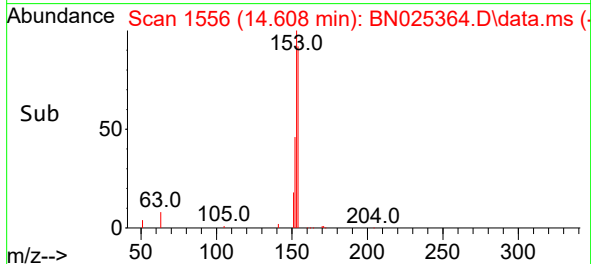
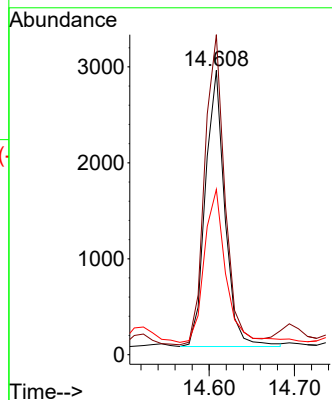
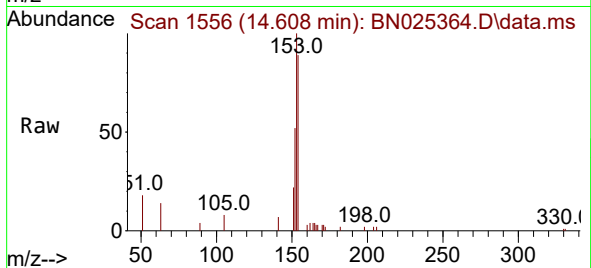




#17
Acenaphthene
Concen: 0.133 ng
RT: 14.608 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

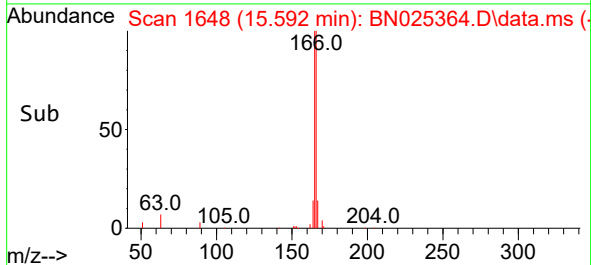
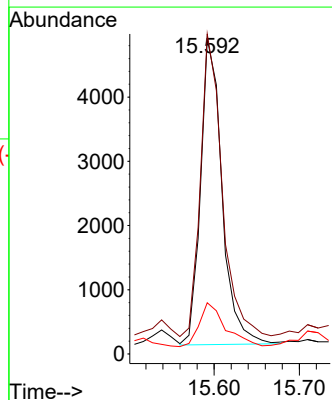
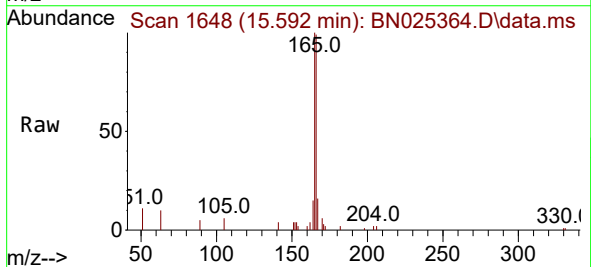
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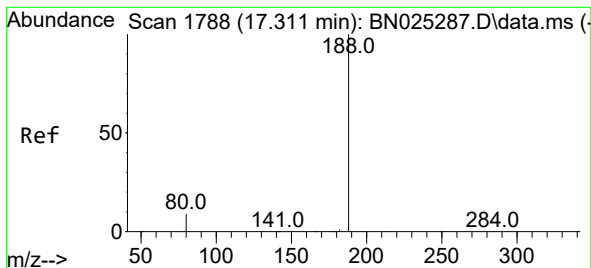
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Ion Ratio Lower Upper
154 100
153 115.9 91.3 136.9
152 61.5 44.7 67.1



#18
Fluorene
Concen: 0.177 ng
RT: 15.592 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Tgt Ion:166 Resp: 8323
Ion Ratio Lower Upper
166 100
165 100.6 79.0 118.4
167 17.5 10.3 15.5#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.298 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

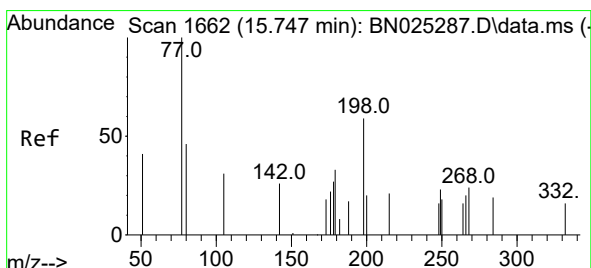
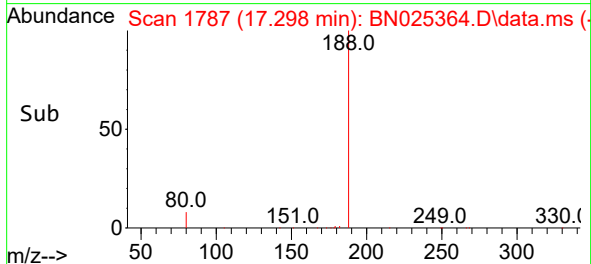
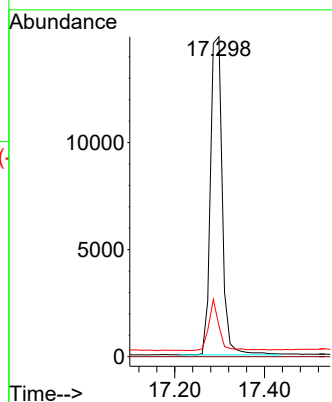
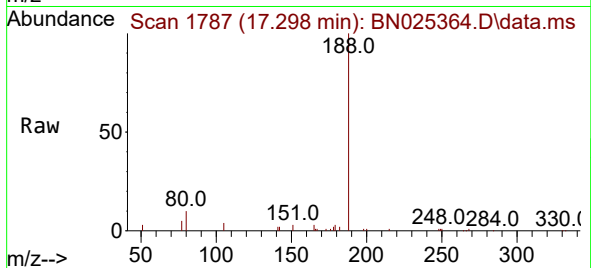
Tgt Ion:188 Resp: 27138

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 8.0 12.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.287 ng

RT: 15.710 min Scan# 1659

Delta R.T. -0.012 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

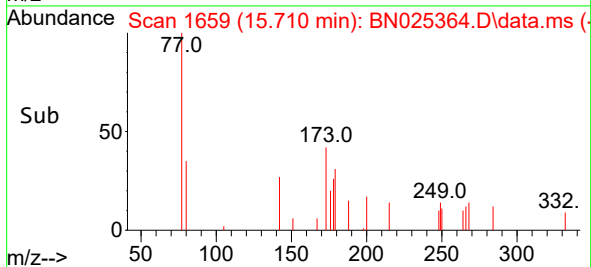
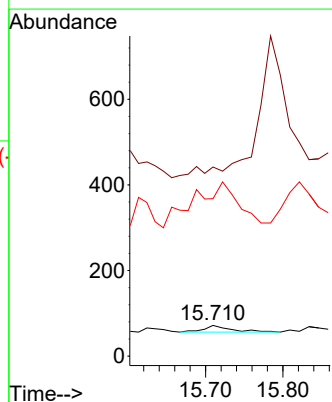
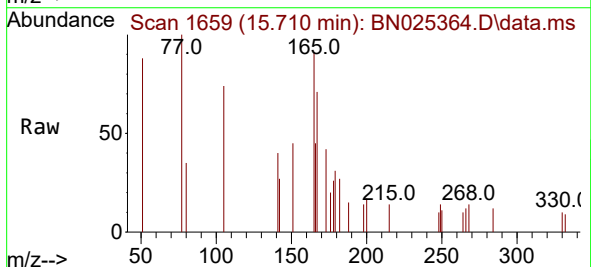
Tgt Ion:198 Resp: 40

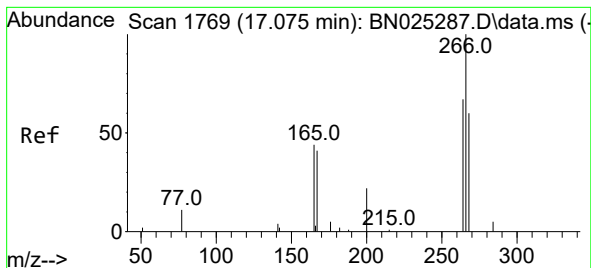
Ion Ratio Lower Upper

198 100

51 613.9 162.1 243.1#

105 511.1 83.1 124.7#





#24

Pentachlorophenol

Concen: 0.275 ng

RT: 16.976 min Scan# 1761

Delta R.T. 0.012 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

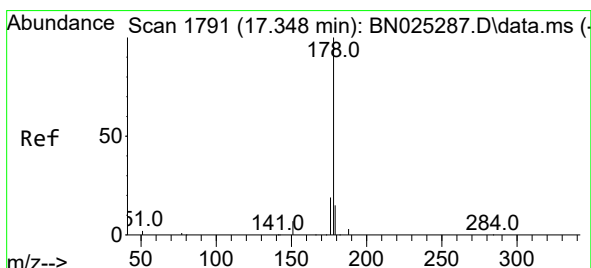
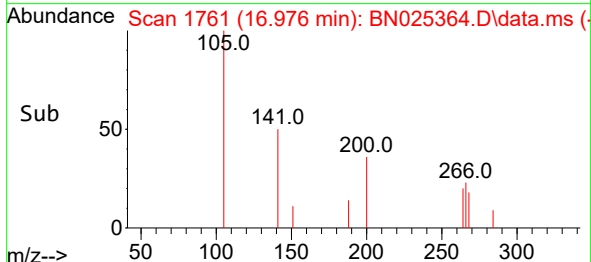
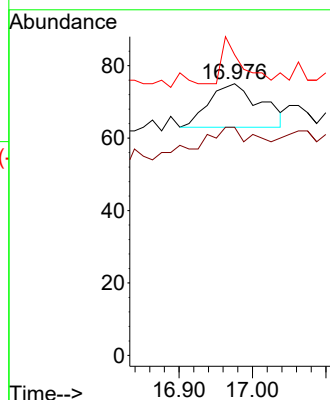
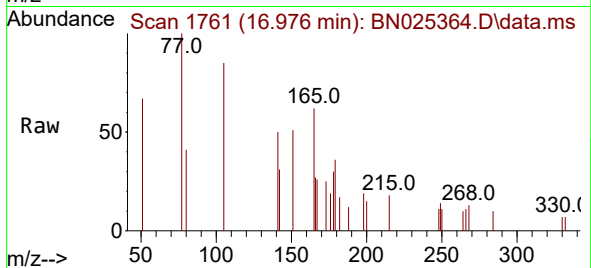
Tgt Ion:266 Resp: 58

Ion Ratio Lower Upper

266 100

264 53.4 43.0 64.4

268 41.4 47.4 71.2#



#25

Phenanthrene

Concen: 1.415 ng

RT: 17.336 min Scan# 1790

Delta R.T. -0.000 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

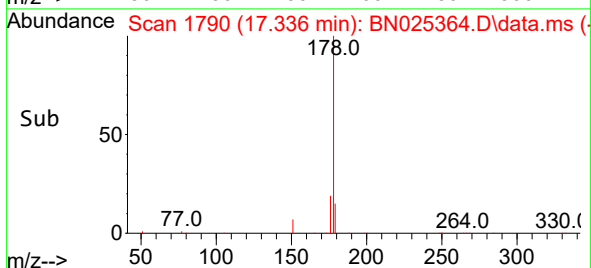
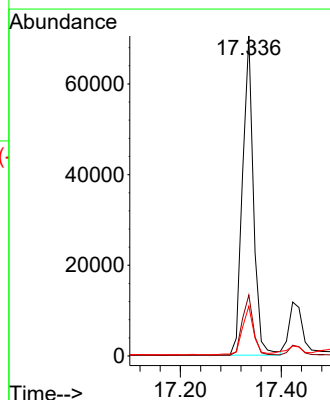
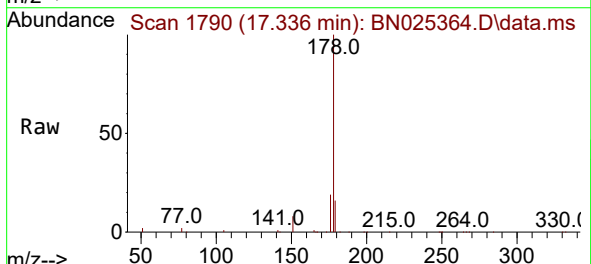
Tgt Ion:178 Resp: 106250

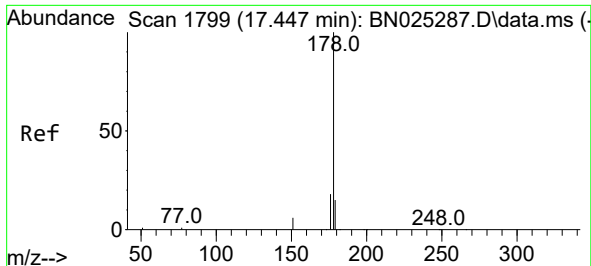
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.6 12.4 18.6

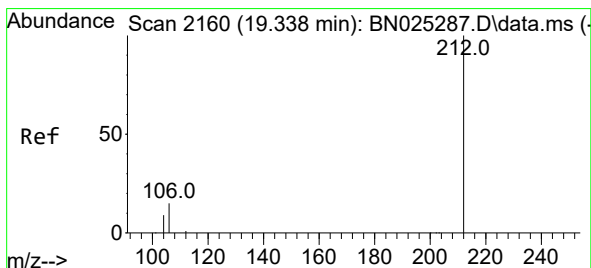
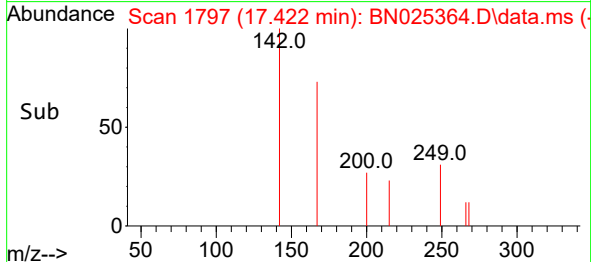
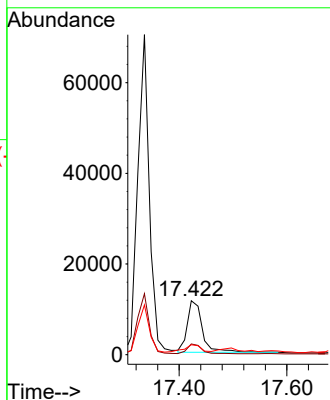
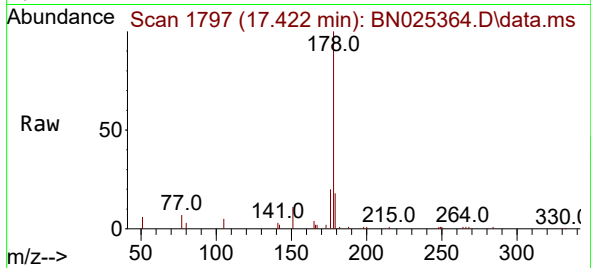




#26
 Anthracene
 Concen: 0.311 ng
 RT: 17.422 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN025364.D
 Acq: 09 May 2023 13:17

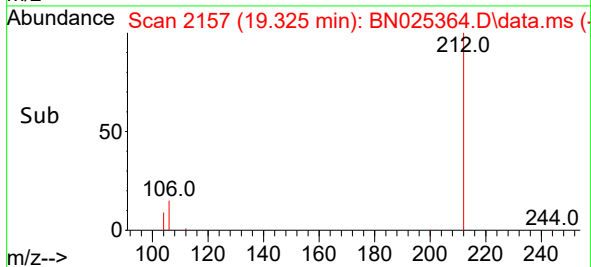
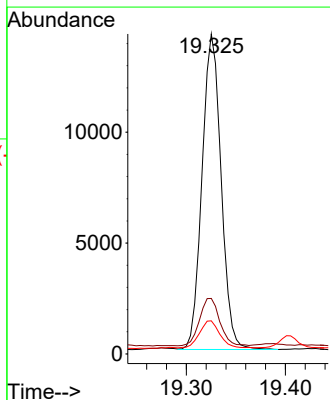
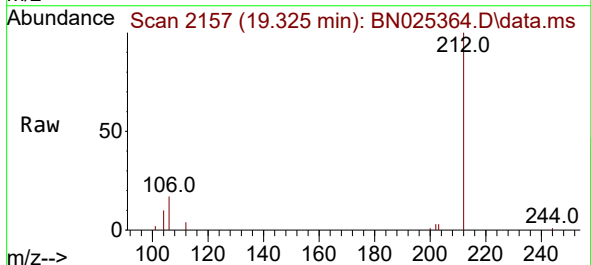
Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023

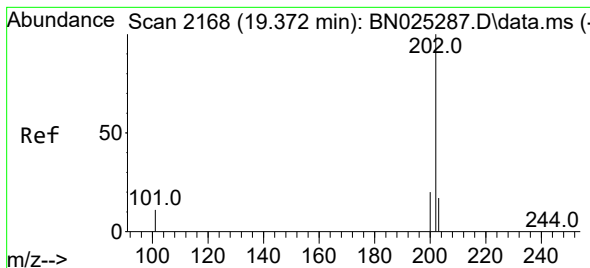
Tgt Ion:178 Resp: 21850
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 15.7 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.284 ng
 RT: 19.325 min Scan# 2157
 Delta R.T. -0.004 min
 Lab File: BN025364.D
 Acq: 09 May 2023 13:17

Tgt Ion:212 Resp: 19079
 Ion Ratio Lower Upper
 212 100
 106 15.9 12.6 19.0
 104 9.5 7.0 10.6





#28

Fluoranthene

Concen: 2.204 ng

RT: 19.355 min Scan# 2164

Delta R.T. -0.004 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

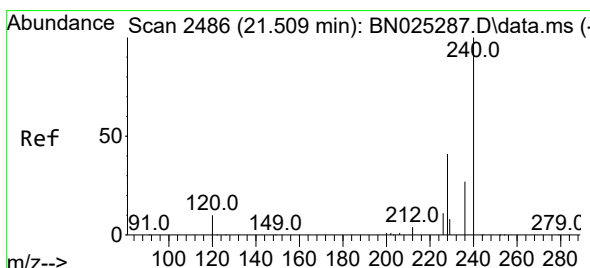
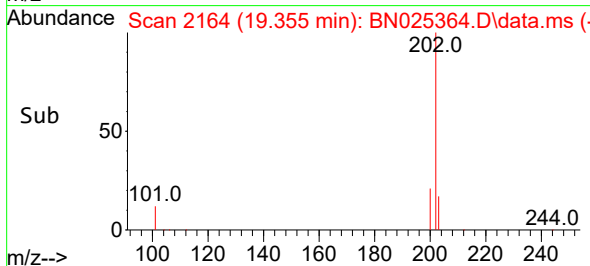
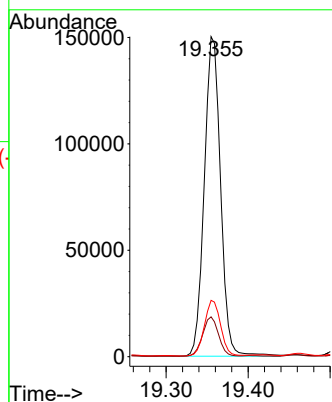
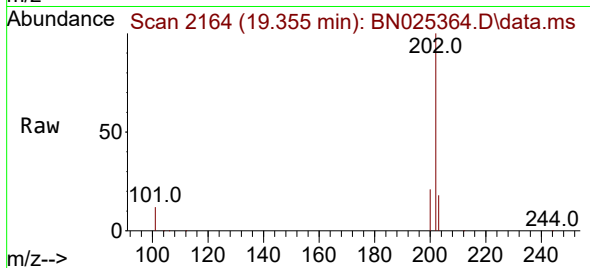
Tgt Ion:202 Resp: 206728

Ion Ratio Lower Upper

202 100

101 12.0 9.8 14.8

203 17.2 13.5 20.3



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.486 min Scan# 2484

Delta R.T. -0.000 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

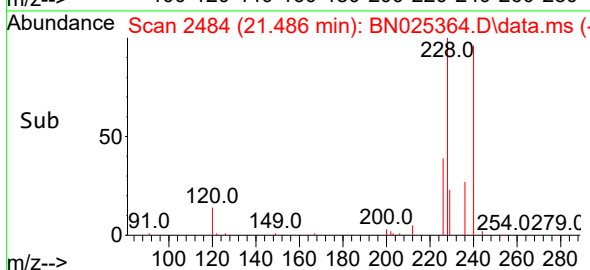
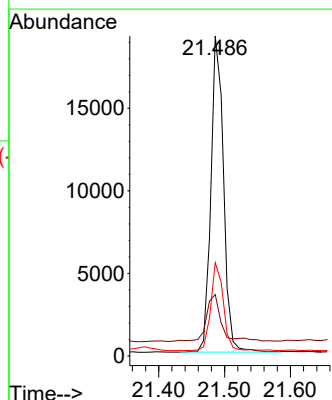
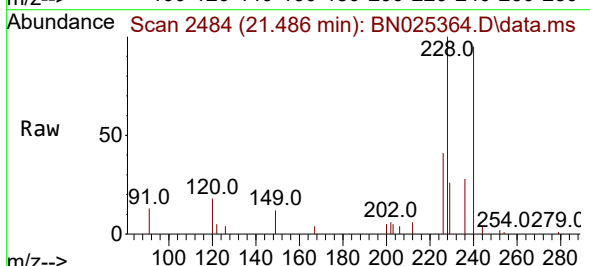
Tgt Ion:240 Resp: 25681

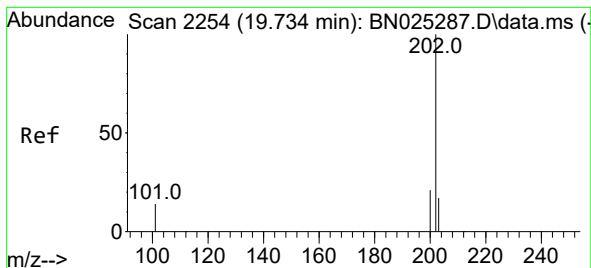
Ion Ratio Lower Upper

240 100

120 19.2 10.3 15.5#

236 29.2 22.3 33.5





#30

Pyrene

Concen: 2.084 ng

RT: 19.717 min Scan# 21

Delta R.T. -0.008 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

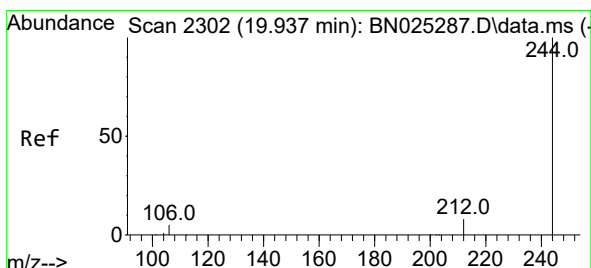
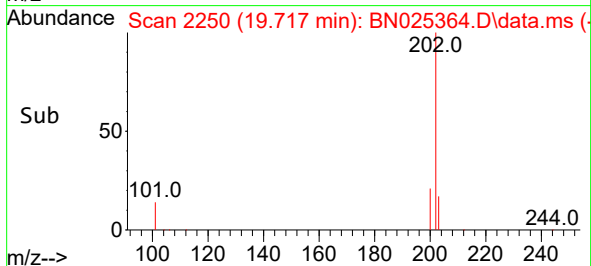
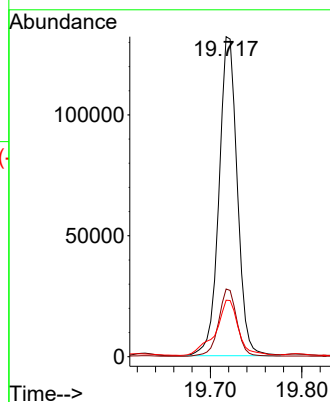
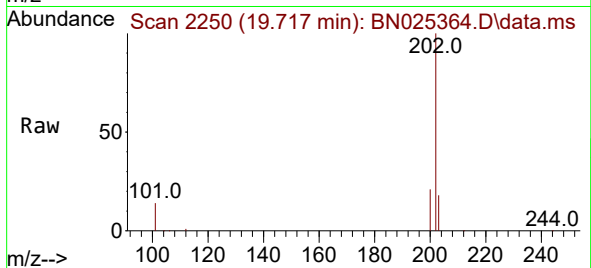
Tgt Ion:202 Resp: 182946

Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 21.5 14.4 21.6



#31

Terphenyl-d14

Concen: 0.276 ng

RT: 19.920 min Scan# 2298

Delta R.T. -0.004 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

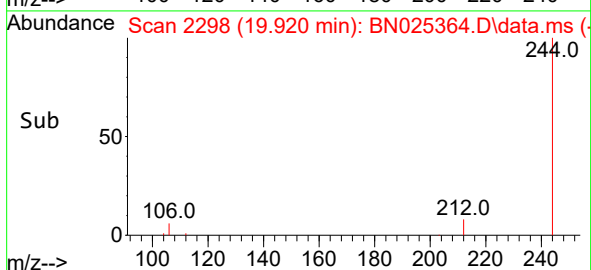
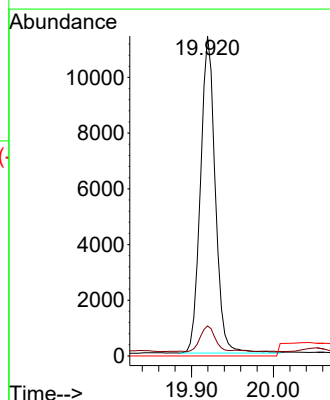
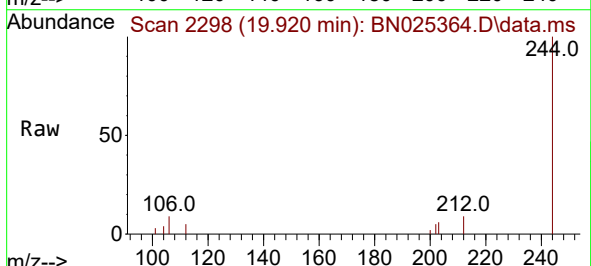
Tgt Ion:244 Resp: 14269

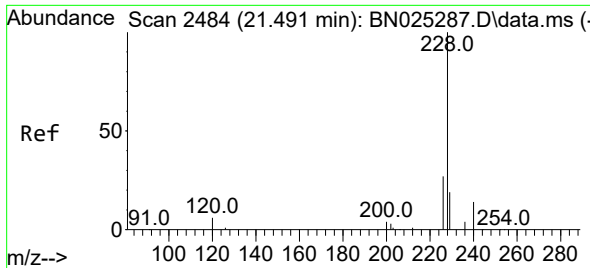
Ion Ratio Lower Upper

244 100

212 9.4 7.1 10.7

122 0.0 0.0 0.0

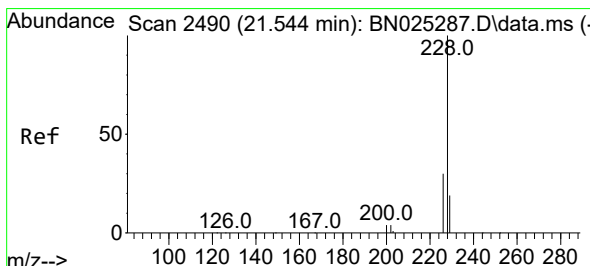
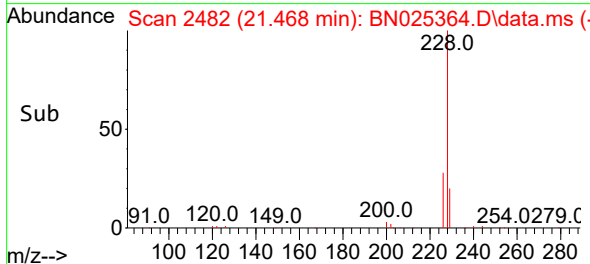
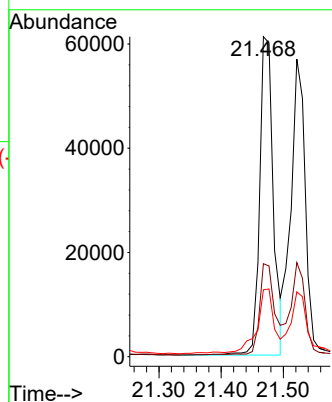
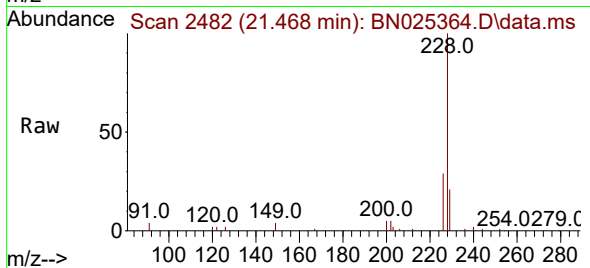




#32
Benzo(a)anthracene
Concen: 1.077 ng
RT: 21.468 min Scan# 2482
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

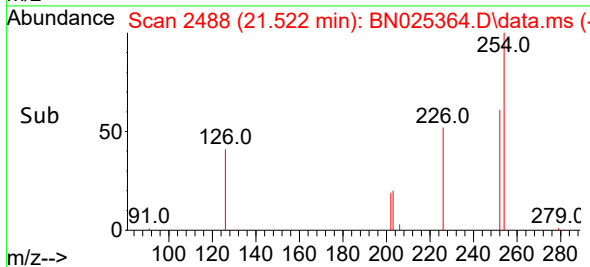
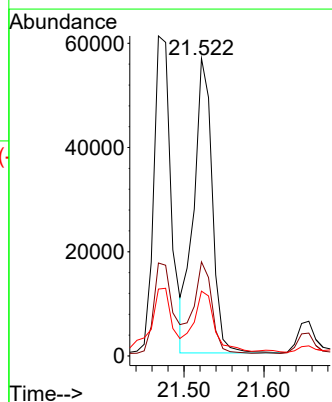
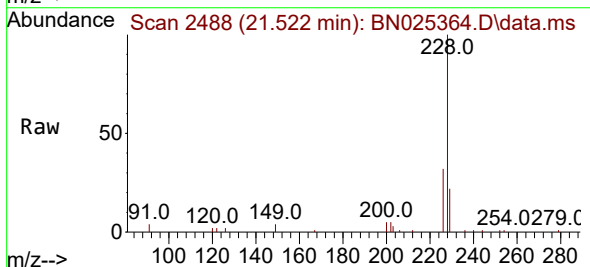
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

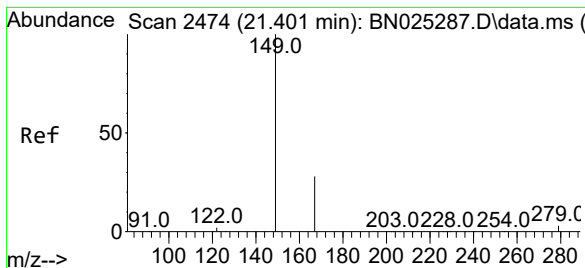
Tgt Ion:228 Resp: 93474
Ion Ratio Lower Upper
228 100
226 29.0 22.5 33.7
229 20.9 16.2 24.2



#33
Chrysene
Concen: 1.055 ng
RT: 21.522 min Scan# 2488
Delta R.T. -0.000 min
Lab File: BN025364.D
Acq: 09 May 2023 13:17

Tgt Ion:228 Resp: 91161
Ion Ratio Lower Upper
228 100
226 31.6 24.6 36.8
229 21.8 16.2 24.4

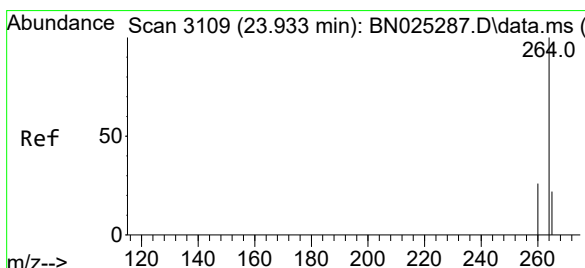
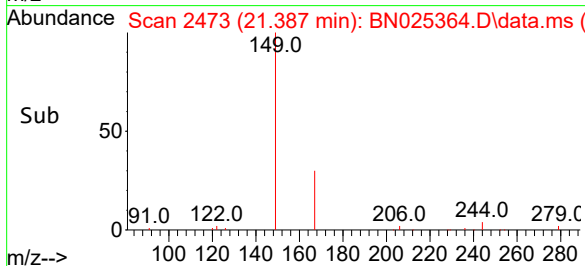
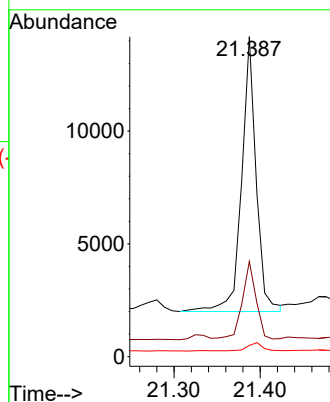
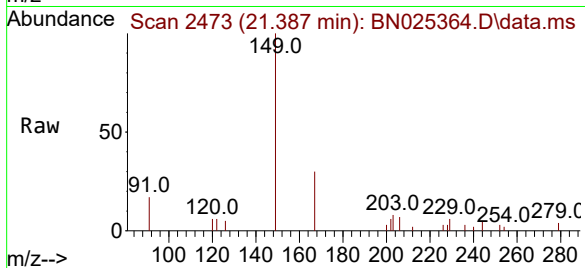




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.211 ng
 RT: 21.387 min Scan# 2473
 Delta R.T. 0.009 min
 Lab File: BN025364.D
 Acq: 09 May 2023 13:17

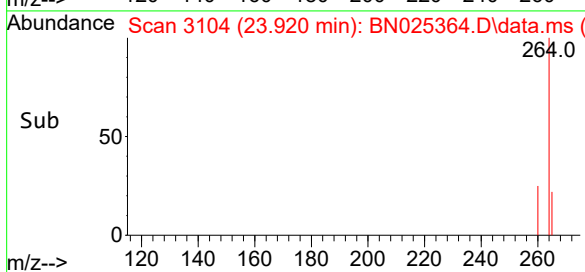
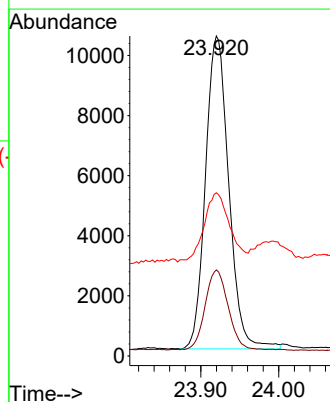
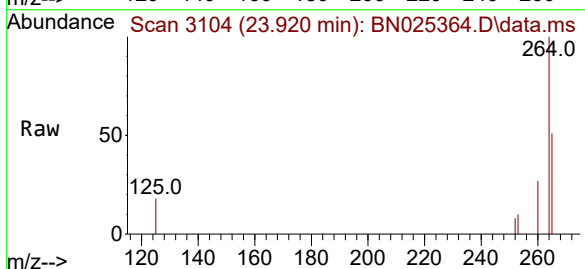
Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023

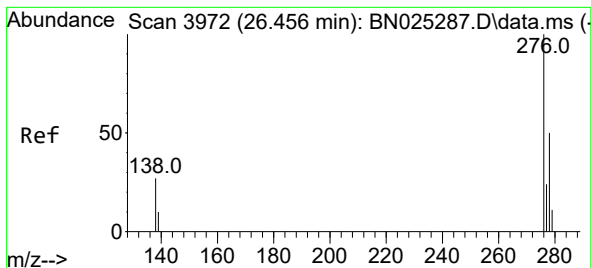
Tgt Ion:149 Resp: 14389
 Ion Ratio Lower Upper
 149 100
 167 26.0 22.2 33.4
 279 3.0 2.6 4.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.920 min Scan# 3104
 Delta R.T. 0.009 min
 Lab File: BN025364.D
 Acq: 09 May 2023 13:17

Tgt Ion:264 Resp: 21602
 Ion Ratio Lower Upper
 264 100
 260 26.9 21.5 32.3
 265 51.0 46.2 69.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.437 ng

RT: 26.461 min Scan# 3973

Delta R.T. 0.003 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

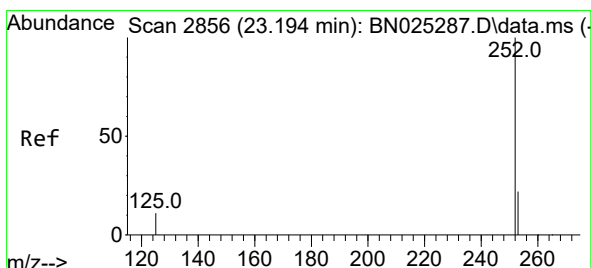
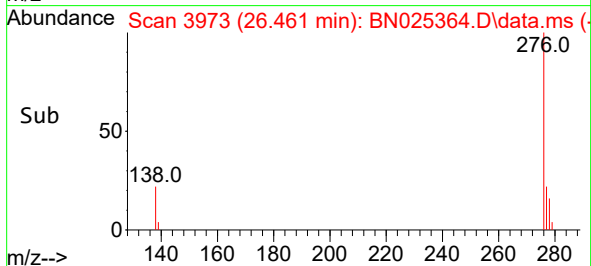
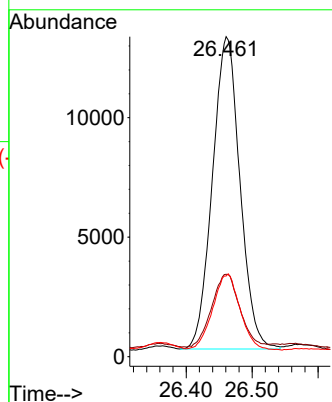
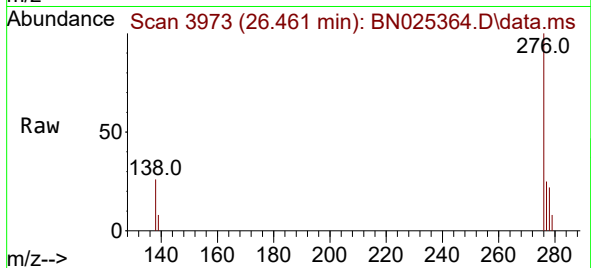
Tgt Ion:276 Resp: 37809

Ion Ratio Lower Upper

276 100

138 23.7 22.5 33.7

277 24.4 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 1.514 ng

RT: 23.183 min Scan# 2852

Delta R.T. 0.012 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

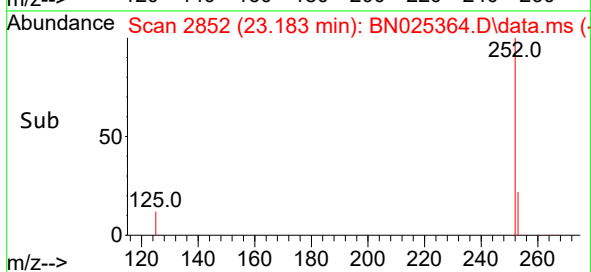
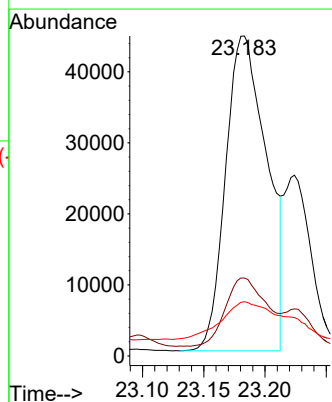
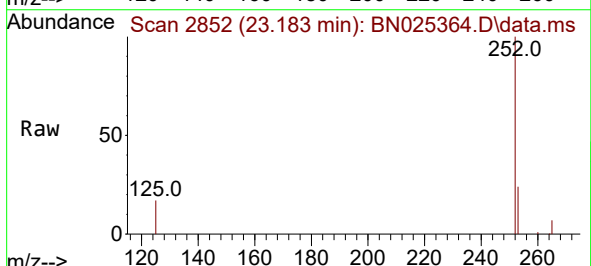
Tgt Ion:252 Resp: 103672

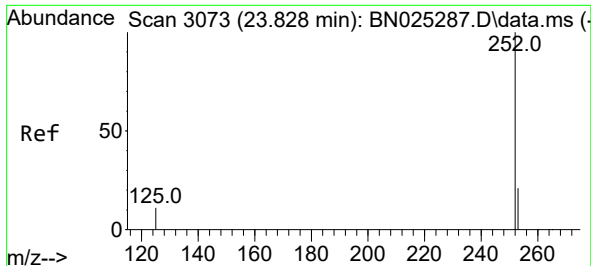
Ion Ratio Lower Upper

252 100

253 24.3 20.8 31.2

125 17.0 13.4 20.2





#39

Benzo(a)pyrene

Concen: 0.928 ng

RT: 23.818 min Scan# 3073

Delta R.T. 0.006 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

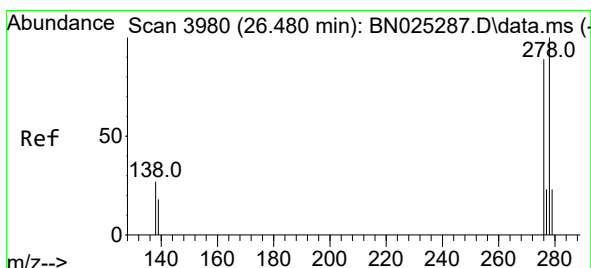
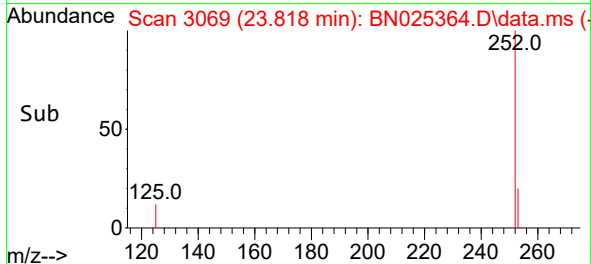
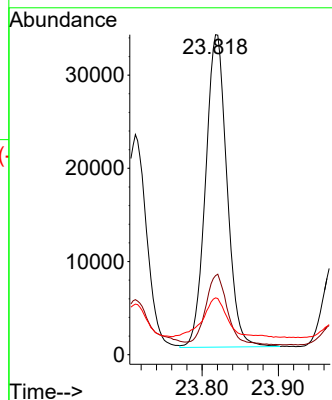
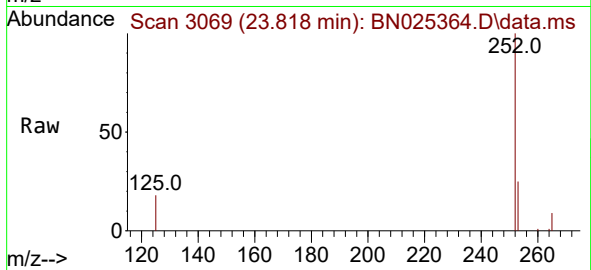
Tgt Ion:252 Resp: 65073

Ion Ratio Lower Upper

252 100

253 24.7 21.4 32.0

125 17.7 15.4 23.2



#40

Dibenzo(a,h)anthracene

Concen: 0.133 ng

RT: 26.466 min Scan# 3975

Delta R.T. -0.006 min

Lab File: BN025364.D

Acq: 09 May 2023 13:17

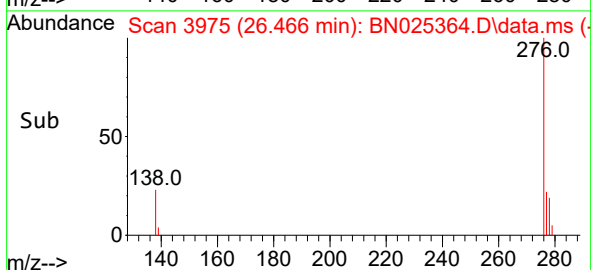
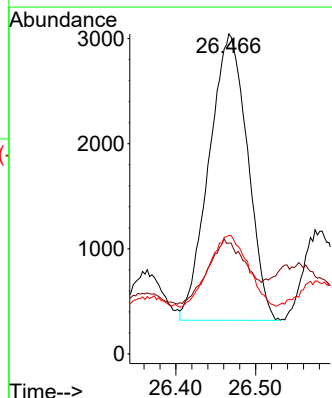
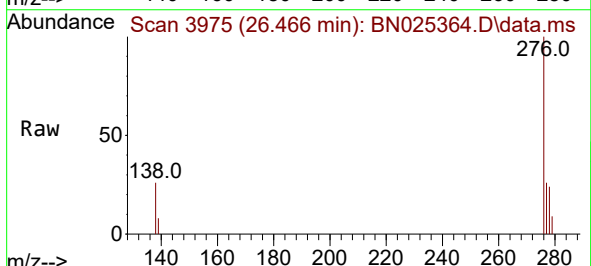
Tgt Ion:278 Resp: 9118

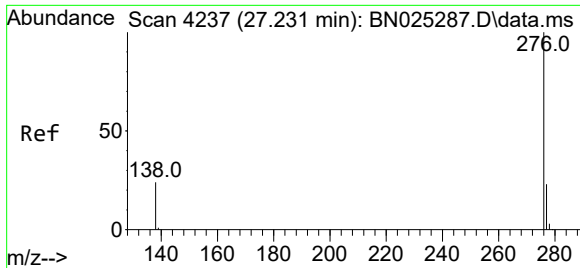
Ion Ratio Lower Upper

278 100

139 34.7 17.6 26.4#

279 37.0 21.6 32.4#





#41

Benzo(g,h,i)perylene

Concen: 0.471 ng

RT: 27.238 min Scan# 41

Delta R.T. 0.003 min

Lab File: BN025364.D

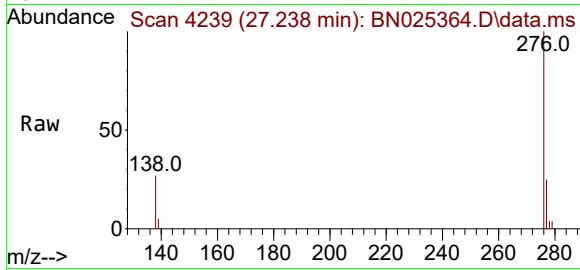
Acq: 09 May 2023 13:17

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023



Tgt Ion:276 Resp: 35337

Ion Ratio Lower Upper

276 100

277 25.3 20.1 30.1

138 26.5 21.0 31.6

