

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025315.D
 Acq On : 06 May 2023 14:45
 Operator : CG/JU
 Sample : 02588-15
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: May 08 04:00:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 02:37:05 2023
 Response via : Initial Calibration

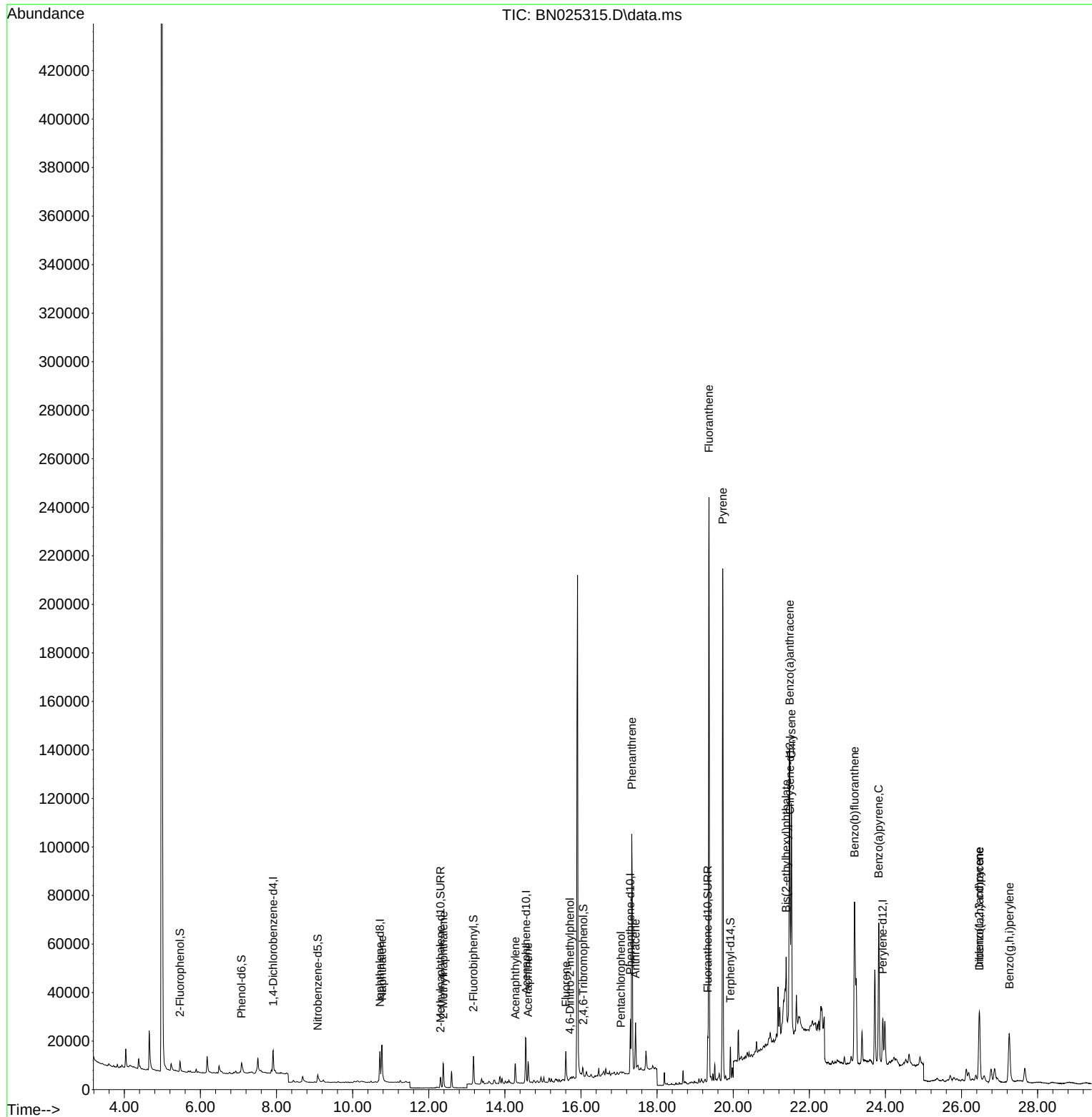
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	5626	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	18692	0.400	ng	-0.01
13) Acenaphthene-d10	14.555	164	11944	0.400	ng	0.00
19) Phenanthrene-d10	17.299	188	28369	0.400	ng	#-0.01
29) Chrysene-d12	21.491	240	27639	0.400	ng	#-0.02
35) Perylene-d12	23.930	264	26591	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	3964	0.289	ng	0.00
5) Phenol-d6	7.081	99	4997	0.291	ng	0.00
8) Nitrobenzene-d5	9.084	82	3463	0.225	ng	-0.01
11) 2-Methylnaphthalene-d10	12.309	152	7117	0.279	ng	0.00
14) 2,4,6-Tribromophenol	16.057	330	1641	0.269	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	10819	0.264	ng	-0.01
27) Fluoranthene-d10	19.334	212	19495	0.278	ng	0.00
31) Terphenyl-d14	19.928	244	14561	0.261	ng	0.00
Target Compounds						
9) Naphthalene	10.771	128	21988	0.459	ng	99
12) 2-Methylnaphthalene	12.381	142	8318	0.245	ng	99
16) Acenaphthylene	14.277	152	10535	0.197	ng	97
17) Acenaphthene	14.609	154	4478	0.135	ng	96
18) Fluorene	15.603	166	8284	0.182	ng	# 96
20) 4,6-Dinitro-2-methylph...	15.710	198	25	0.284	ng	# 1
24) Pentachlorophenol	17.050	266	9	0.268	ng	# 44
25) Phenanthrene	17.336	178	107705	1.372	ng	100
26) Anthracene	17.435	178	22782	0.310	ng	99
28) Fluoranthene	19.363	202	210994	2.151	ng	99
30) Pyrene	19.726	202	186792	1.977	ng	# 96
32) Benzo(a)anthracene	21.482	228	98383	1.053	ng	98
33) Chrysene	21.527	228	96747	1.040	ng	96
34) Bis(2-ethylhexyl)phtha...	21.392	149	38372	0.523	ng	# 73
36) Indeno(1,2,3-cd)pyrene	26.468	276	44385	0.416	ng	95
37) Benzo(b)fluoranthene	23.188	252	116471	1.382	ng	97
39) Benzo(a)pyrene	23.825	252	80814	0.936	ng	97
40) Dibenzo(a,h)anthracene	26.474	278	11199	0.133	ng	# 63
41) Benzo(g,h,i)perylene	27.258	276	43454	0.470	ng	97

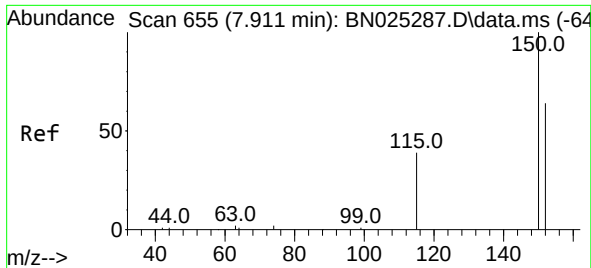
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN025315.D
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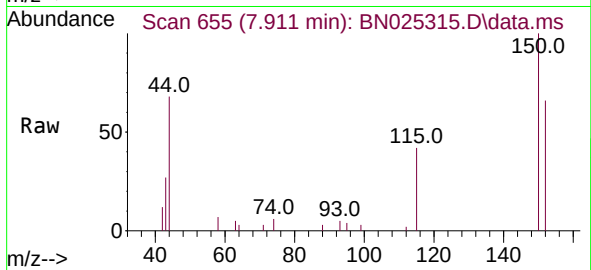
Quant Time: May 08 04:00:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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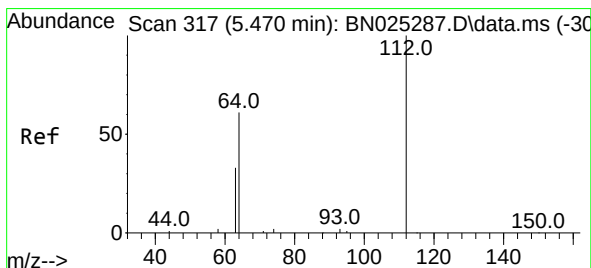
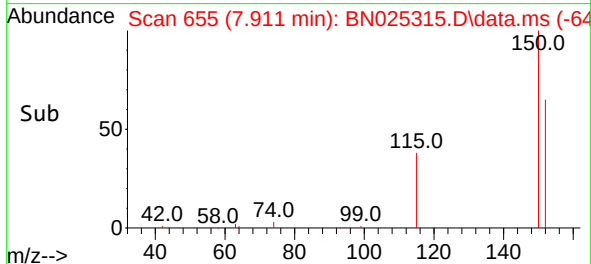
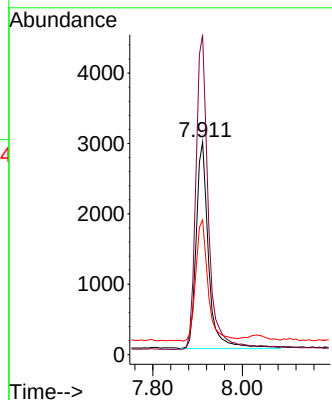
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 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.911 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN025315.D
 Acq: 06 May 2023 14:45

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 BNA_N
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 PILE-B-UNK-05022023



Tgt Ion:152 Resp: 5626

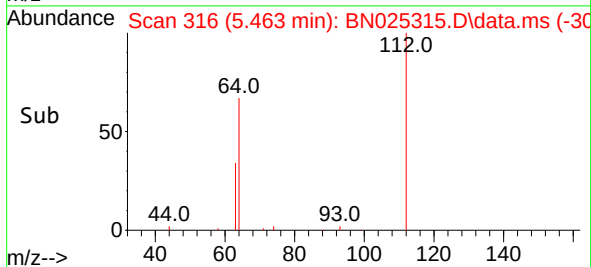
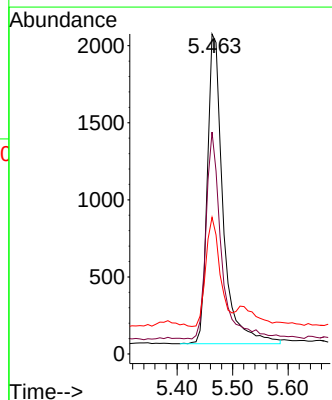
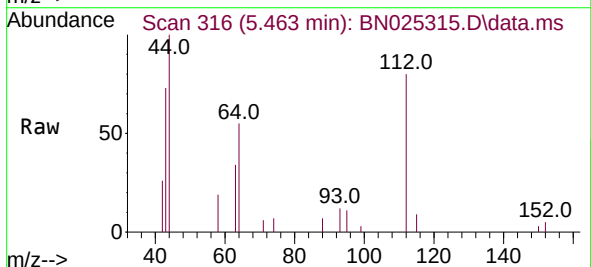
Ion	Ratio	Lower	Upper
152	100		
150	150.5	123.8	185.8
115	63.4	52.9	79.3

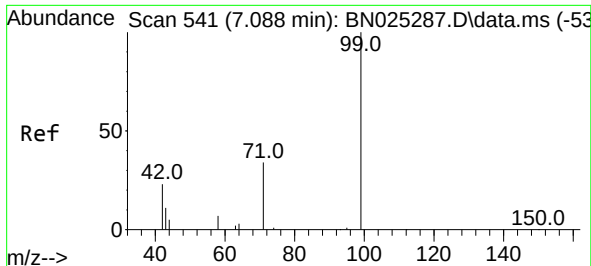


#4
 2-Fluorophenol
 Concen: 0.289 ng
 RT: 5.463 min Scan# 316
 Delta R.T. -0.007 min
 Lab File: BN025315.D
 Acq: 06 May 2023 14:45

Tgt Ion:112 Resp: 3964

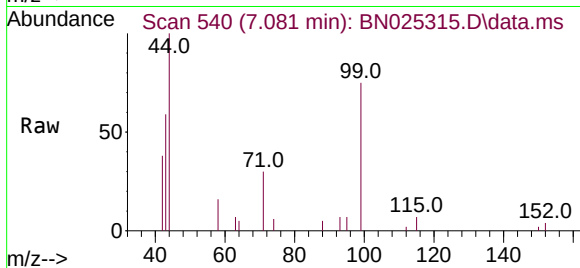
Ion	Ratio	Lower	Upper
112	100		
64	65.1	51.5	77.3
63	32.1	27.8	41.6



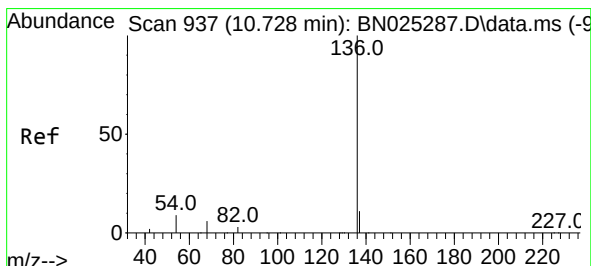
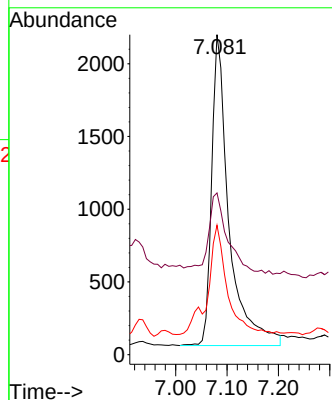
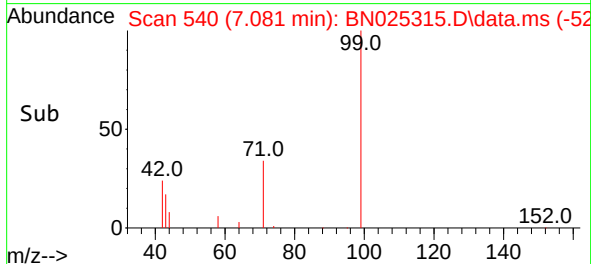


#5
Phenol-d6
Concen: 0.291 ng
RT: 7.081 min Scan# 541
Delta R.T. -0.007 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Instrument :
BNA_N
ClientSampleId :
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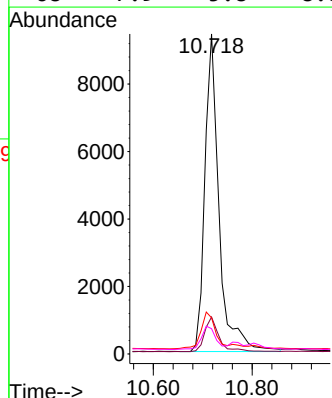
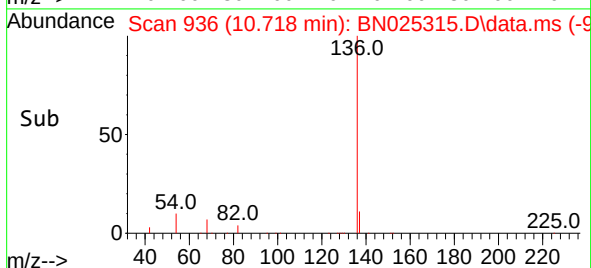
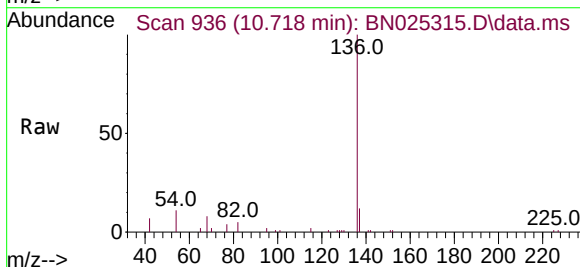


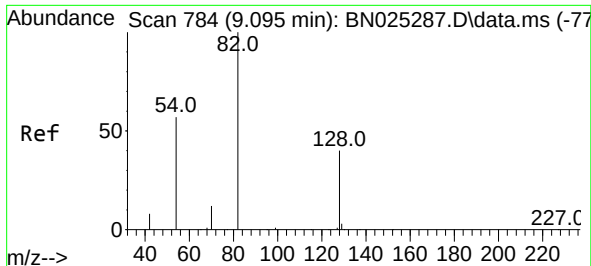
Tgt Ion:	99	Resp:	4997
Ion	Ratio	Lower	Upper
99	100		
42	27.8	22.0	33.0
71	39.7	28.7	43.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion:	136	Resp:	18692
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.2
54	11.3	8.5	12.7
68	7.9	5.8	8.8

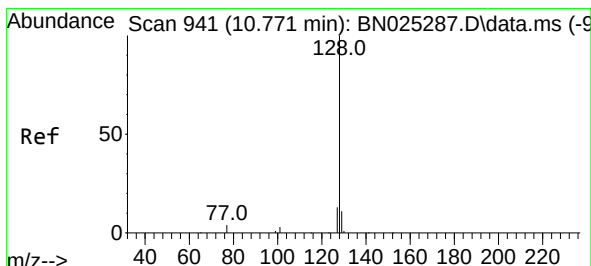
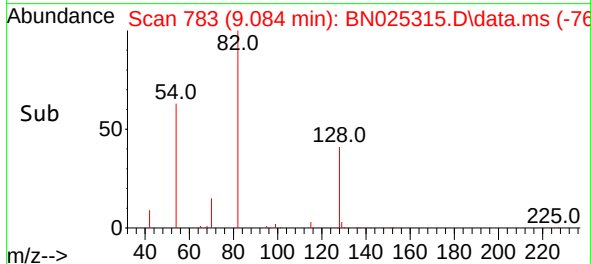
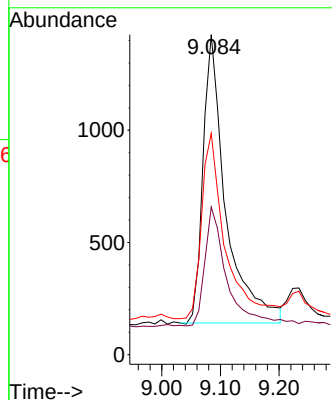
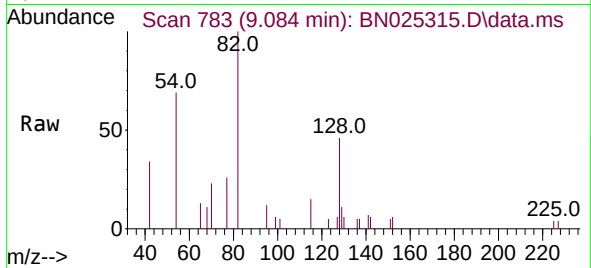




#8
Nitrobenzene-d5
Concen: 0.225 ng
RT: 9.084 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

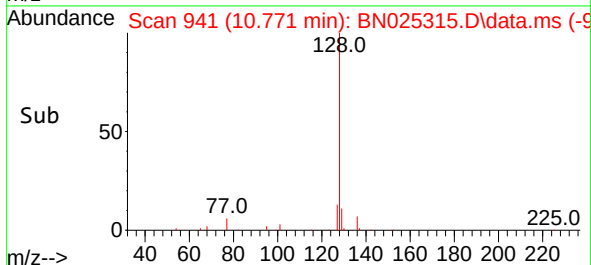
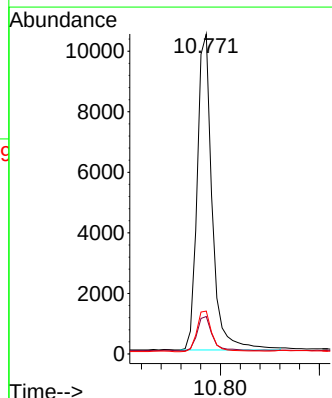
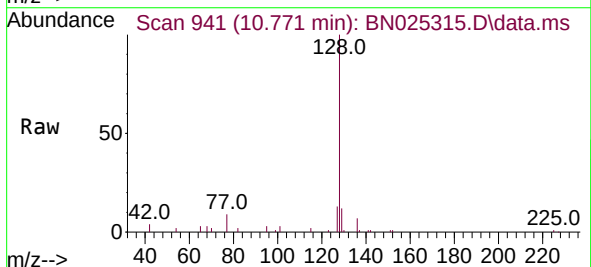
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BNA_N
ClientSampleId :
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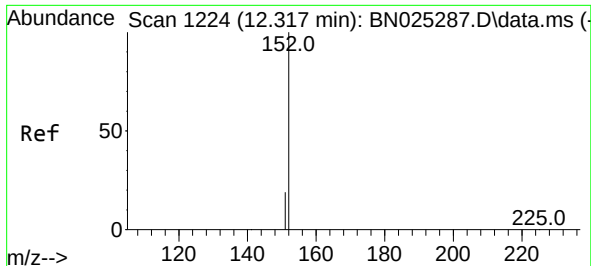
Tgt Ion: 82 Resp: 3463
Ion Ratio Lower Upper
82 100
128 46.1 35.3 52.9
54 69.1 48.7 73.1



#9
Naphthalene
Concen: 0.459 ng
RT: 10.771 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion: 128 Resp: 21988
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.2
127 13.4 11.0 16.6

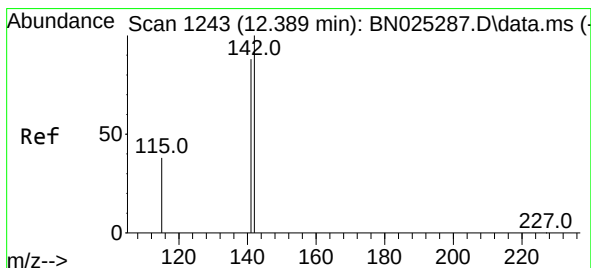
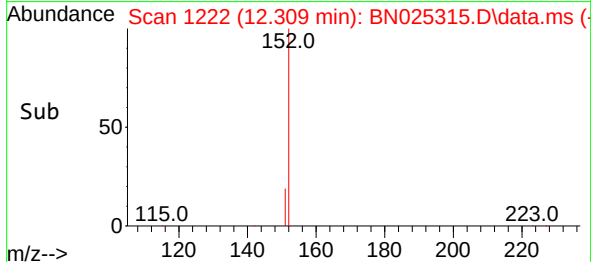
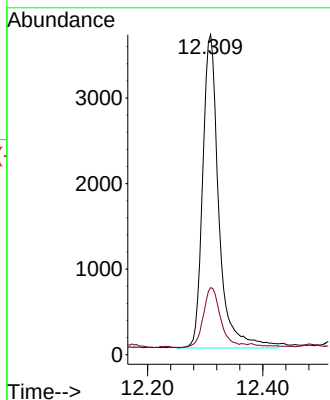
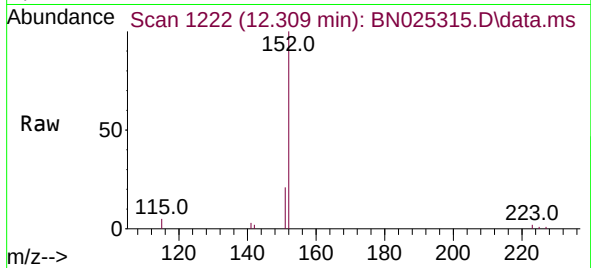




#11
2-Methylnaphthalene-d10
Concen: 0.279 ng
RT: 12.309 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

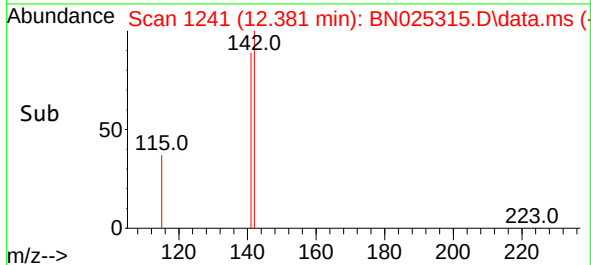
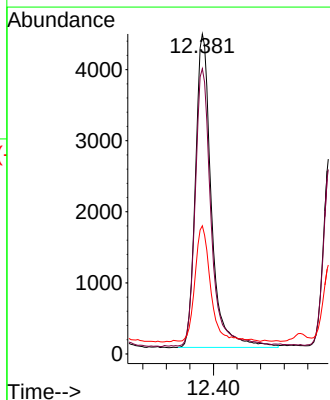
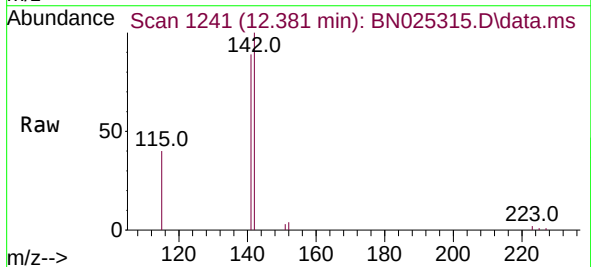
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

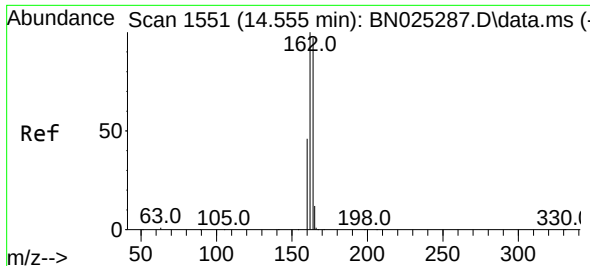
Tgt Ion:152 Resp: 7117
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6



#12
2-Methylnaphthalene
Concen: 0.245 ng
RT: 12.381 min Scan# 1241
Delta R.T. -0.007 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion:142 Resp: 8318
Ion Ratio Lower Upper
142 100
141 89.1 70.5 105.7
115 40.1 31.6 47.4

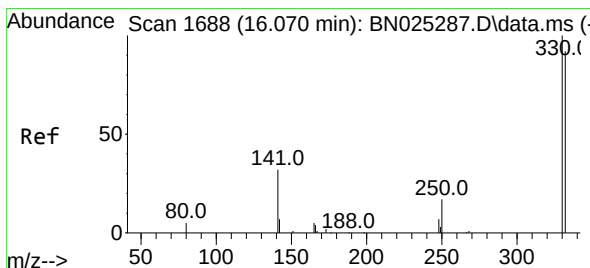
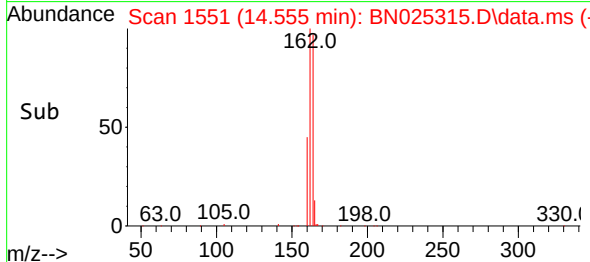
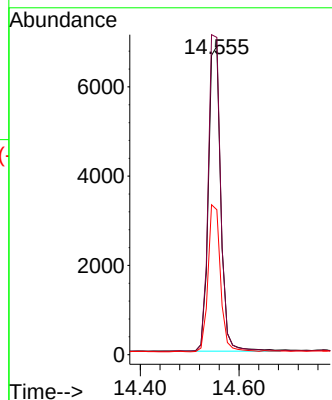
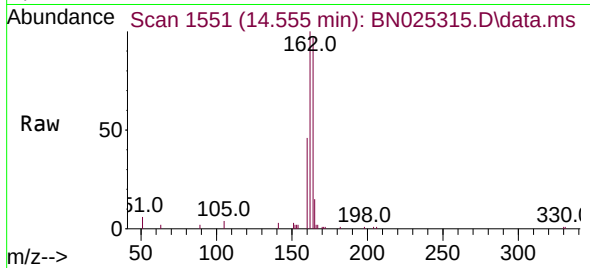




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

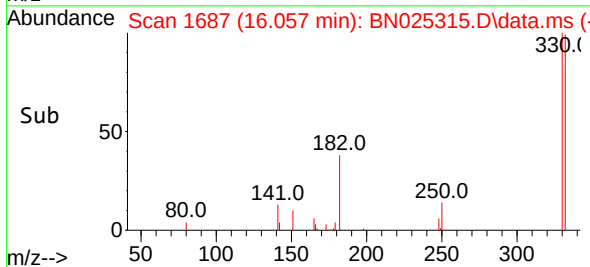
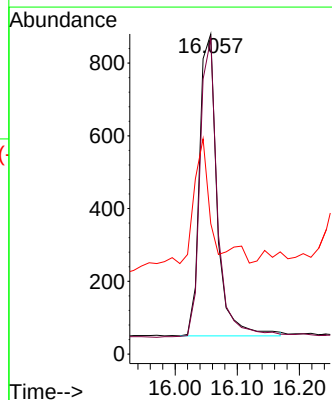
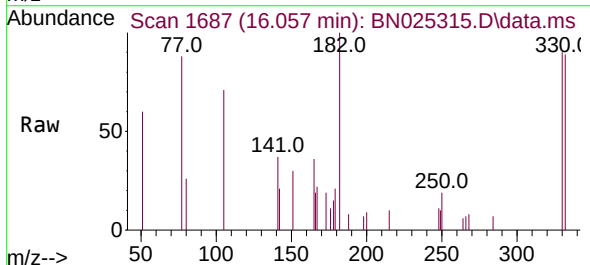
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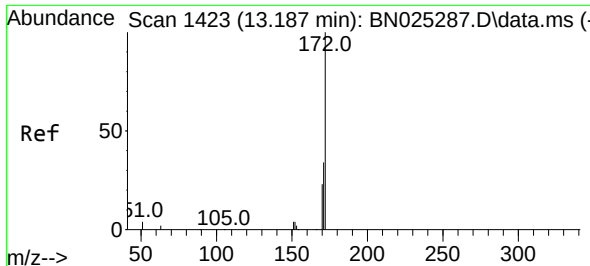
Tgt Ion:164 Resp: 11944
Ion Ratio Lower Upper
164 100
162 102.9 82.1 123.1
160 47.0 38.3 57.5



#14
2,4,6-Tribromophenol
Concen: 0.269 ng
RT: 16.057 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion:330 Resp: 1641
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 34.9 28.9 43.3

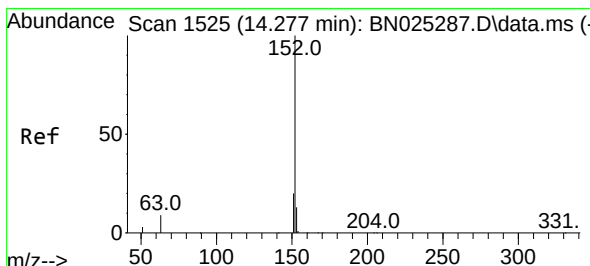
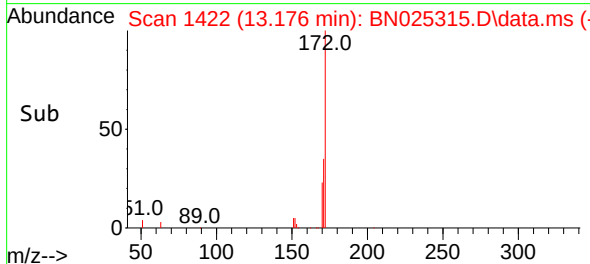
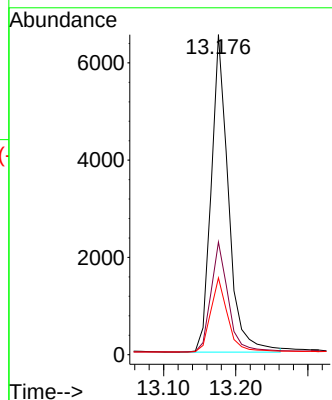
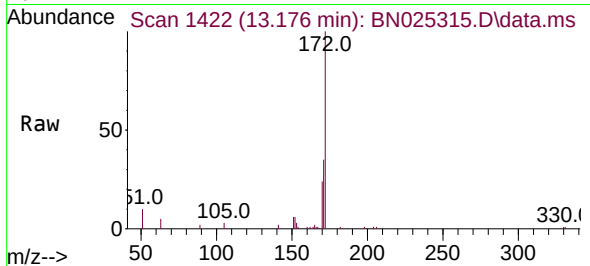




#15
2-Fluorobiphenyl
Concen: 0.264 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.011 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

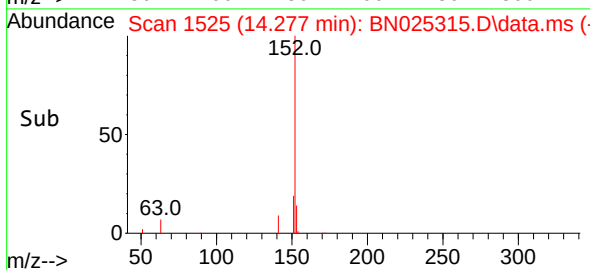
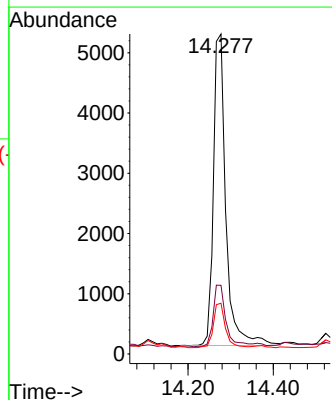
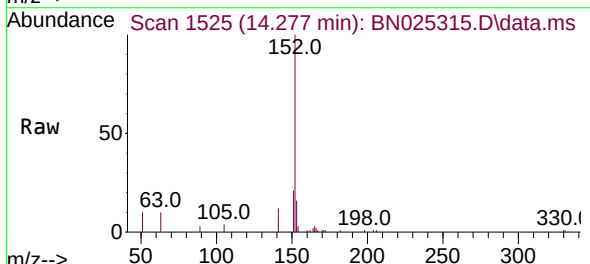
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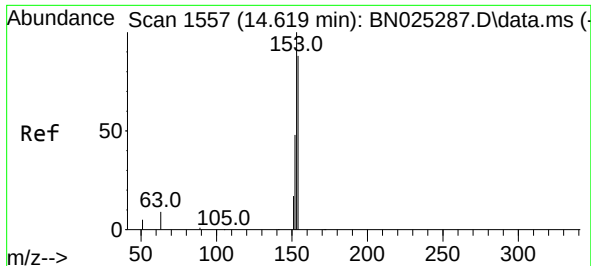
Tgt Ion:	172	Resp:	10819
Ion Ratio	Lower	Upper	
172	100		
171	35.2	27.9	41.9
170	24.0	19.0	28.4



#16
Acenaphthylene
Concen: 0.197 ng
RT: 14.277 min Scan# 1525
Delta R.T. 0.000 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion:	152	Resp:	10535
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.1	24.1
153	13.8	10.3	15.5

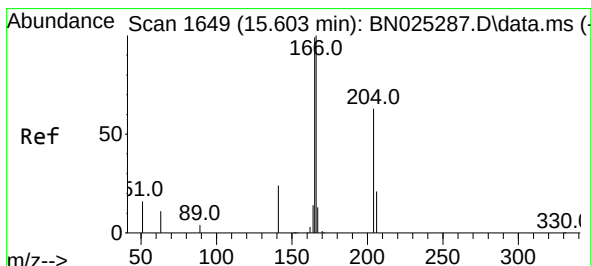
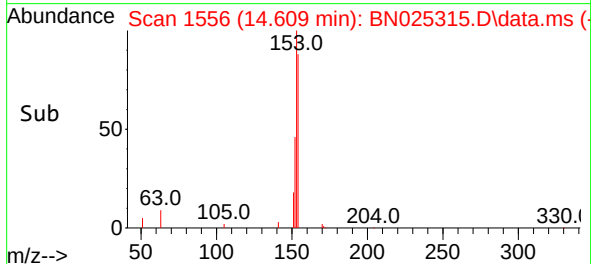
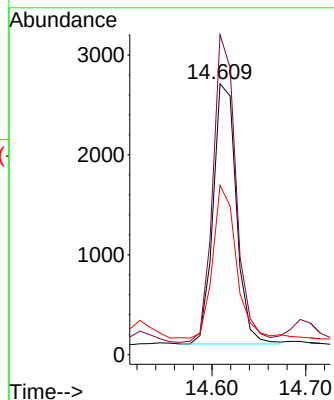
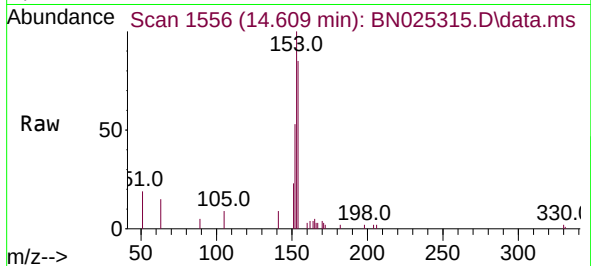




#17
Acenaphthene
Concen: 0.135 ng
RT: 14.609 min Scan# 1556
Delta R.T. -0.011 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

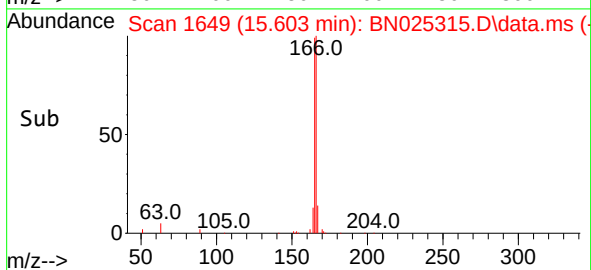
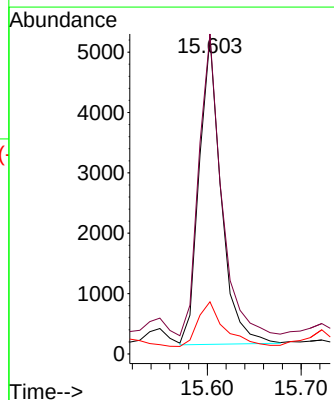
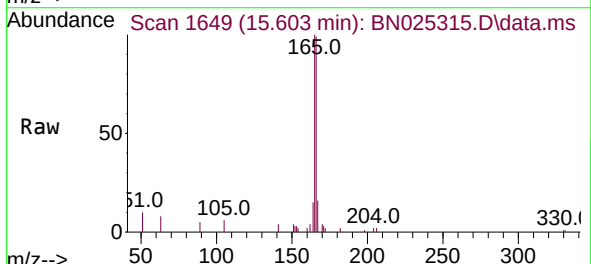
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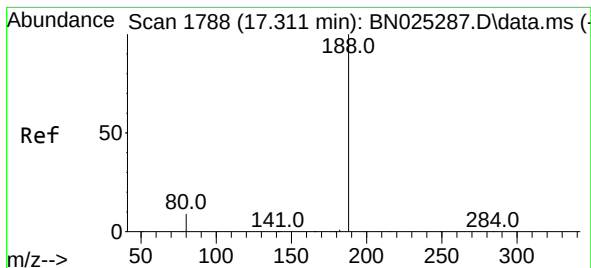
Tgt Ion:154 Resp: 4478
Ion Ratio Lower Upper
154 100
153 117.3 91.3 136.9
152 61.1 44.7 67.1



#18
Fluorene
Concen: 0.182 ng
RT: 15.603 min Scan# 1649
Delta R.T. 0.000 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion:166 Resp: 8284
Ion Ratio Lower Upper
166 100
165 101.4 79.0 118.4
167 17.6 10.3 15.5#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.299 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN025315.D

Acq: 06 May 2023 14:45

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

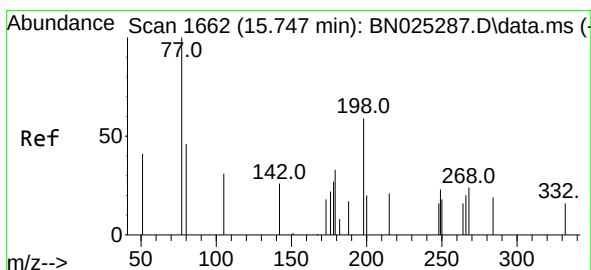
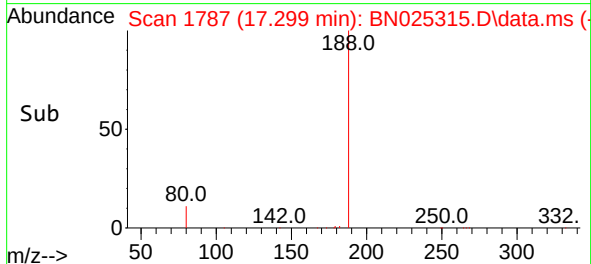
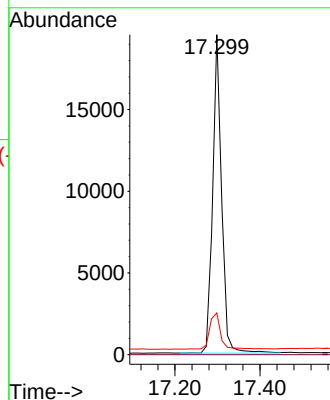
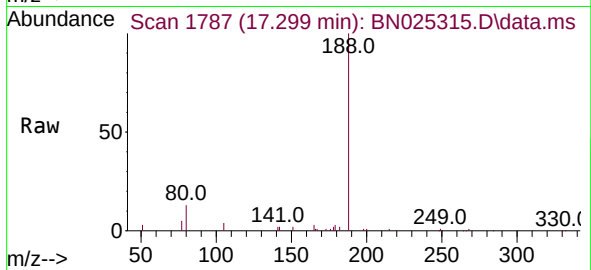
Tgt Ion:188 Resp: 28369

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.1 8.0 12.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.284 ng

RT: 15.710 min Scan# 1659

Delta R.T. -0.037 min

Lab File: BN025315.D

Acq: 06 May 2023 14:45

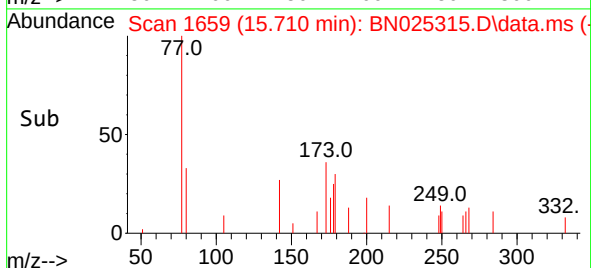
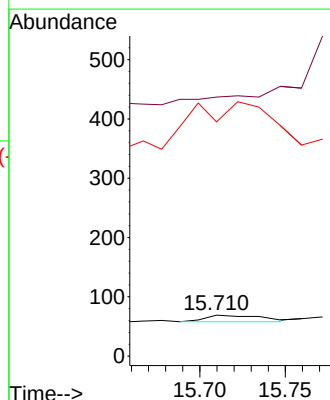
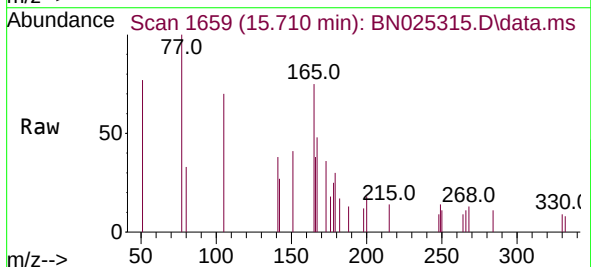
Tgt Ion:198 Resp: 25

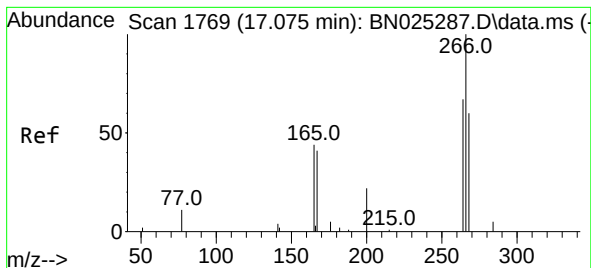
Ion Ratio Lower Upper

198 100

51 633.3 162.1 243.1#

105 572.5 83.1 124.7#





#24

Pentachlorophenol

Concen: 0.268 ng

RT: 17.050 min Scan# 1767

Delta R.T. -0.025 min

Lab File: BN025315.D

Acq: 06 May 2023 14:45

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

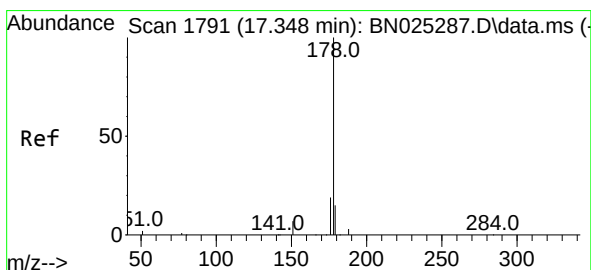
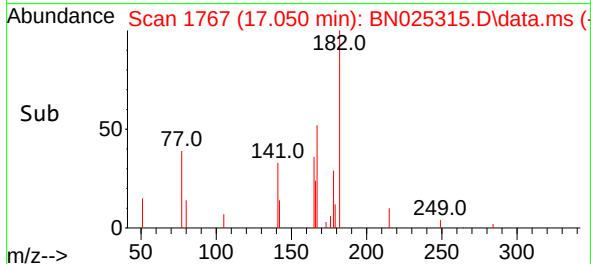
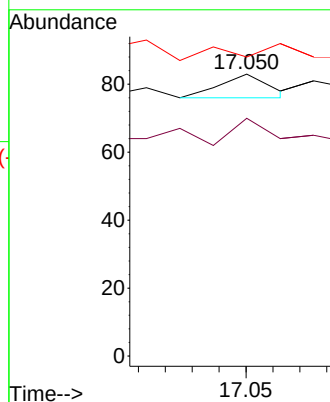
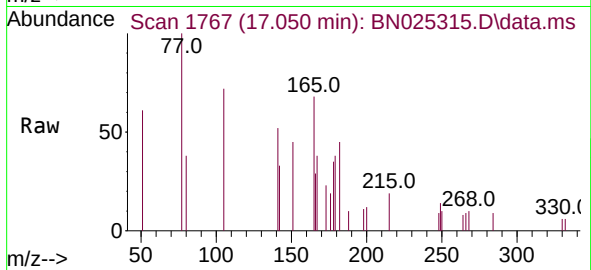
Tgt Ion:266 Resp: 9

Ion Ratio Lower Upper

266 100

264 111.1 43.0 64.4#

268 33.3 47.4 71.2#



#25

Phenanthrene

Concen: 1.372 ng

RT: 17.336 min Scan# 1790

Delta R.T. -0.012 min

Lab File: BN025315.D

Acq: 06 May 2023 14:45

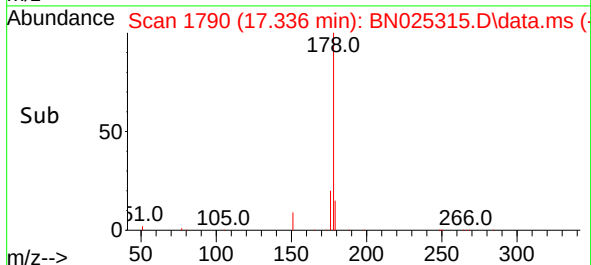
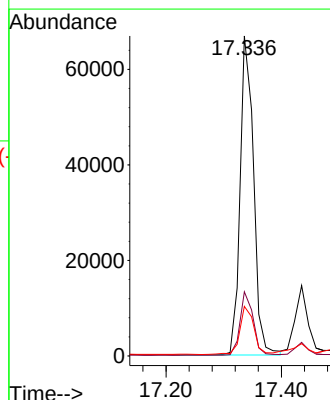
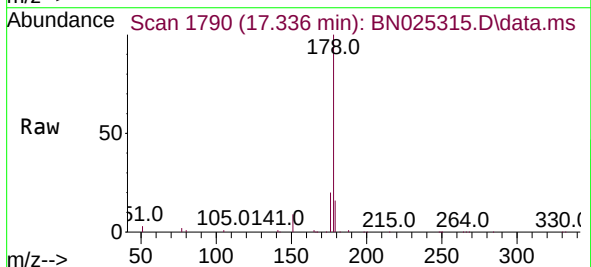
Tgt Ion:178 Resp: 107705

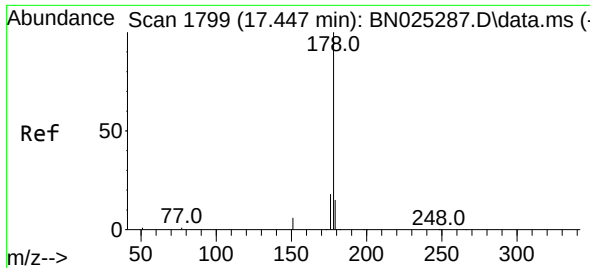
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.8 12.4 18.6

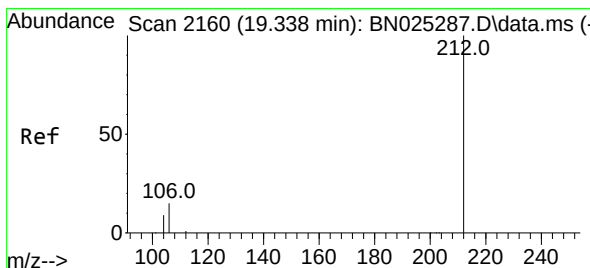
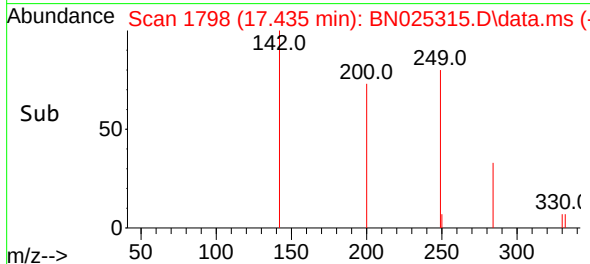
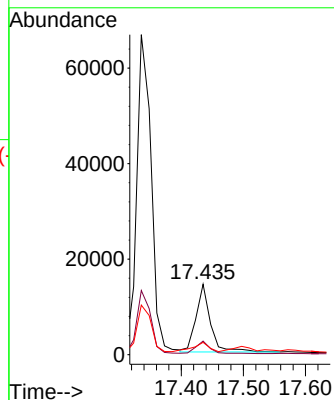
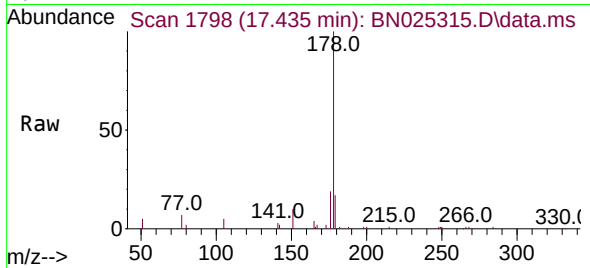




#26
 Anthracene
 Concen: 0.310 ng
 RT: 17.435 min Scan# 1798
 Delta R.T. -0.012 min
 Lab File: BN025315.D
 Acq: 06 May 2023 14:45

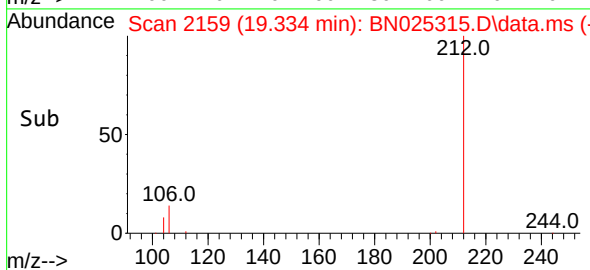
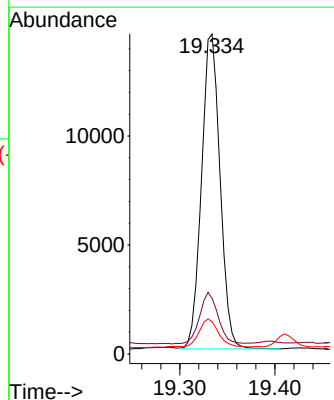
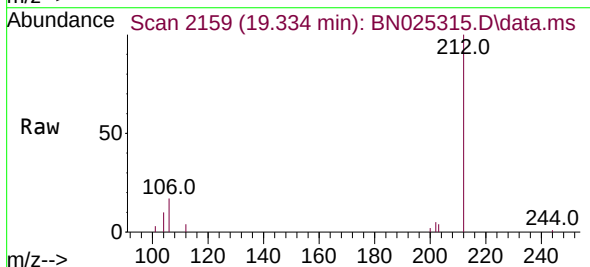
Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023

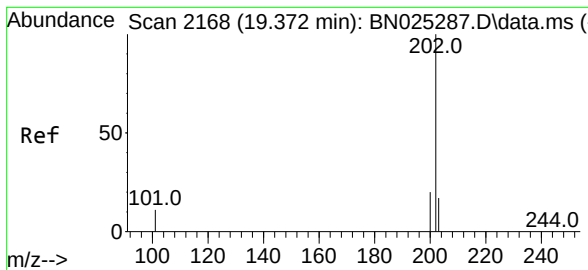
Tgt Ion:178 Resp: 22782
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.9 22.3
 179 15.1 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.278 ng
 RT: 19.334 min Scan# 2159
 Delta R.T. -0.004 min
 Lab File: BN025315.D
 Acq: 06 May 2023 14:45

Tgt Ion:212 Resp: 19495
 Ion Ratio Lower Upper
 212 100
 106 16.2 12.6 19.0
 104 9.9 7.0 10.6





#28

Fluoranthene

Concen: 2.151 ng

RT: 19.363 min Scan# 2166

Delta R.T. -0.008 min

Lab File: BN025315.D

Acq: 06 May 2023 14:45

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023

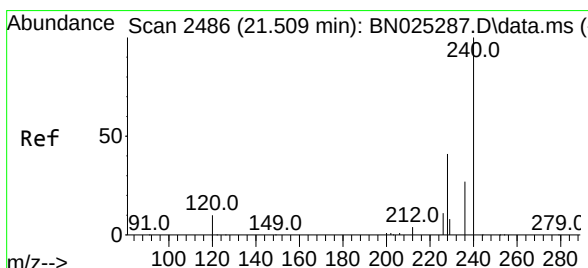
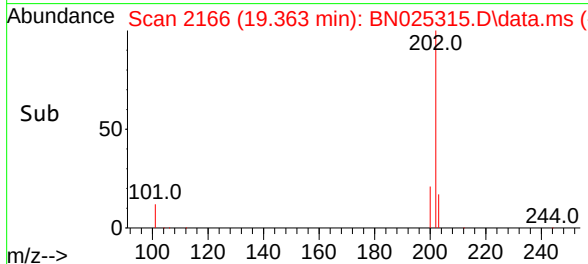
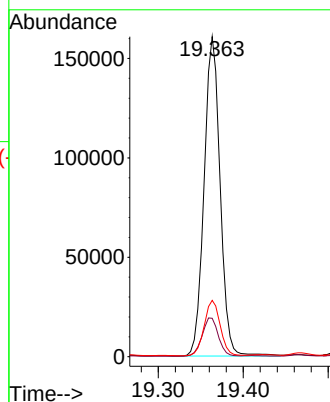
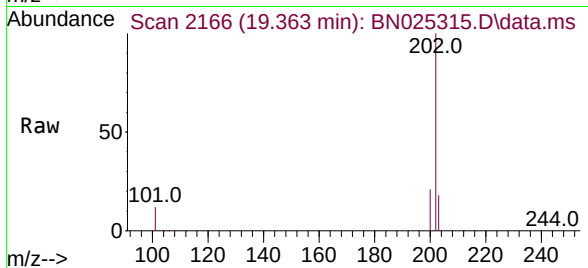
Tgt Ion:202 Resp: 210994

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. -0.018 min

Lab File: BN025315.D

Acq: 06 May 2023 14:45

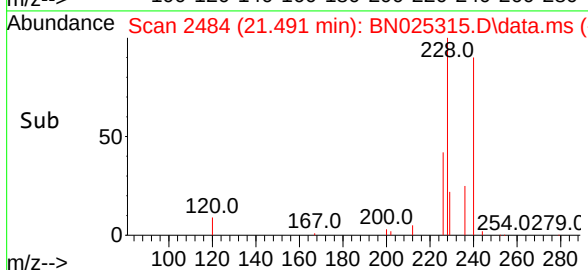
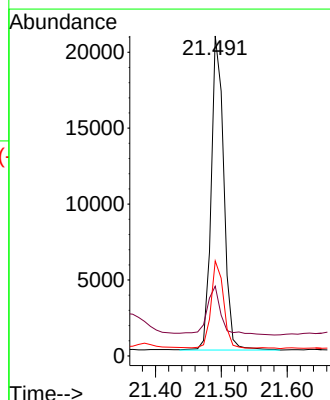
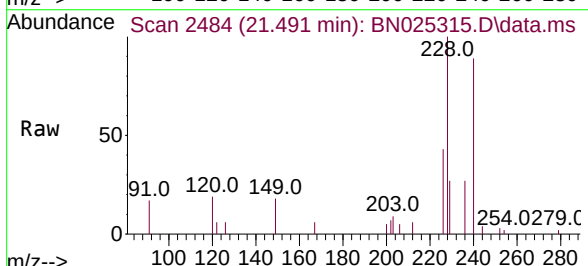
Tgt Ion:240 Resp: 27639

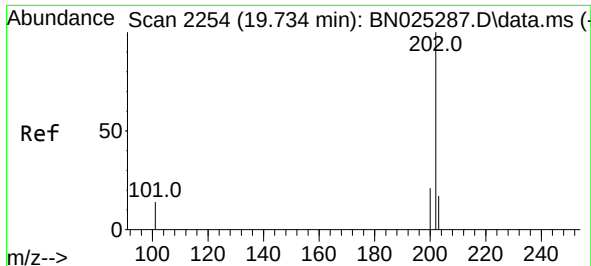
Ion Ratio Lower Upper

240 100

120 21.8 10.3 15.5#

236 29.7 22.3 33.5

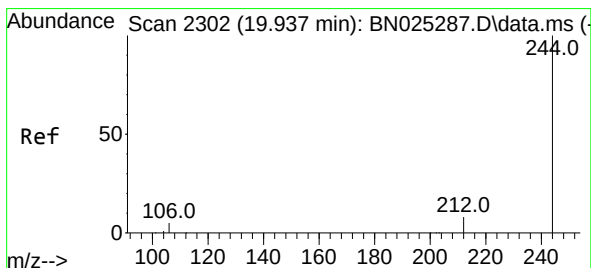
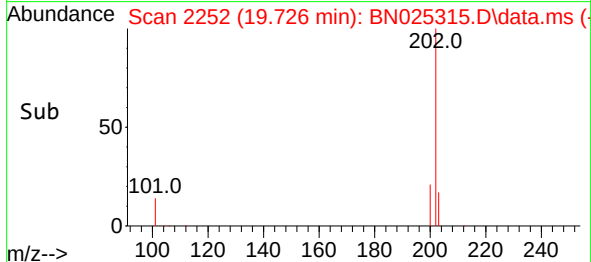
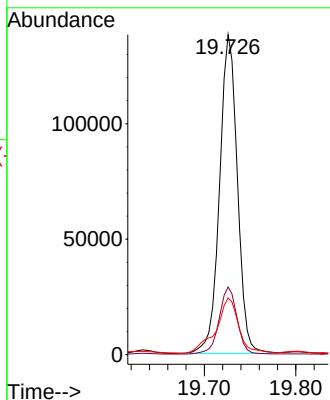
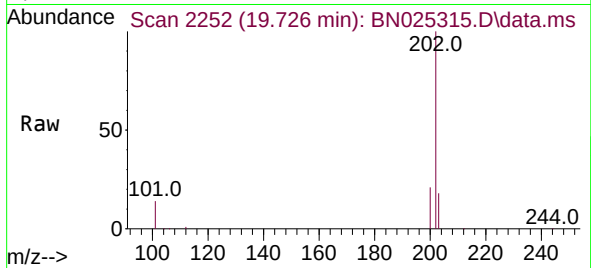




#30
Pyrene
Concen: 1.977 ng
RT: 19.726 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

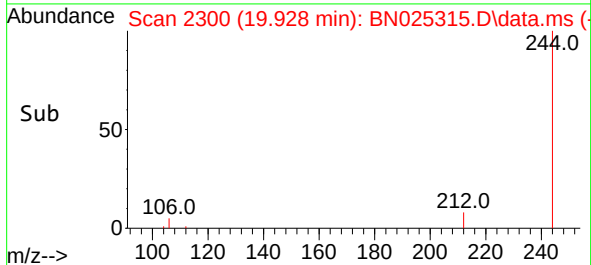
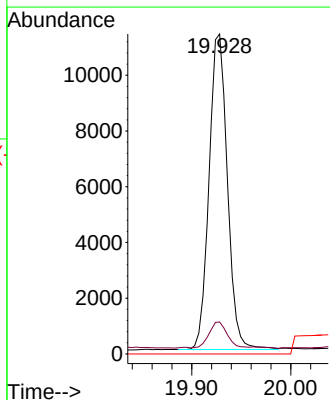
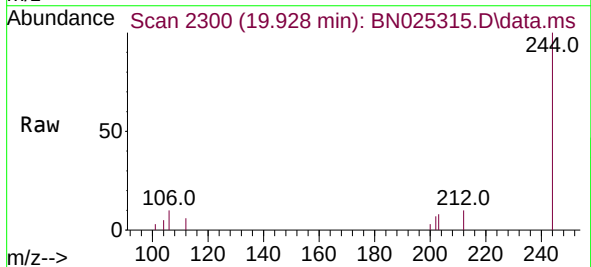
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

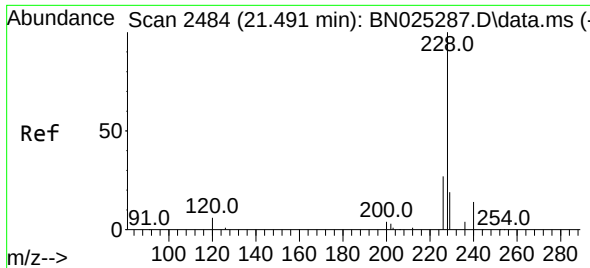
Tgt Ion:202 Resp: 186792
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 21.7 14.4 21.6#



#31
Terphenyl-d14
Concen: 0.261 ng
RT: 19.928 min Scan# 2300
Delta R.T. -0.008 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion:244 Resp: 14561
Ion Ratio Lower Upper
244 100
212 10.0 7.1 10.7
122 0.0 0.0 0.0

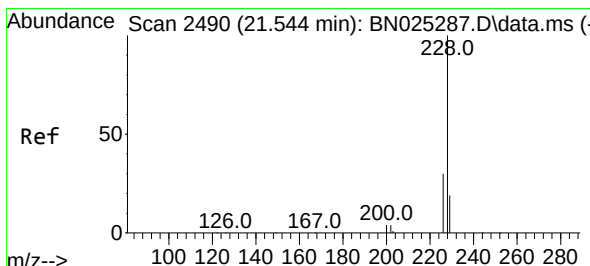
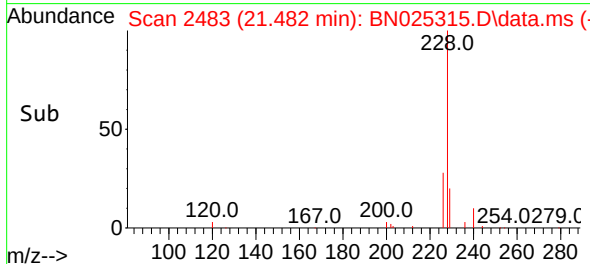
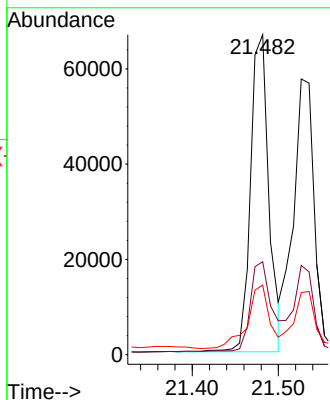
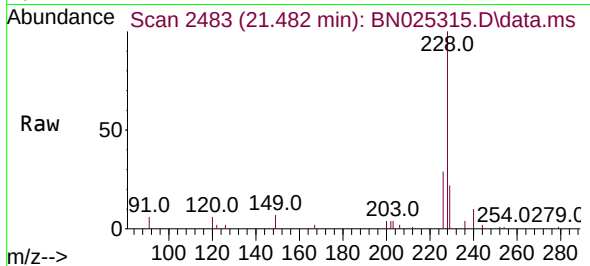




#32
Benzo(a)anthracene
Concen: 1.053 ng
RT: 21.482 min Scan# 2483
Delta R.T. -0.009 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

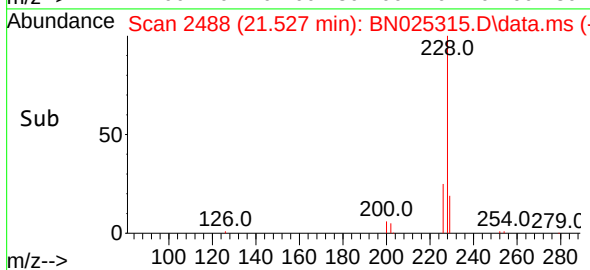
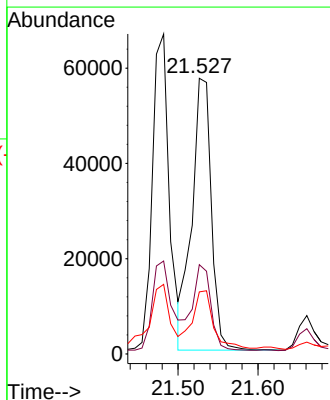
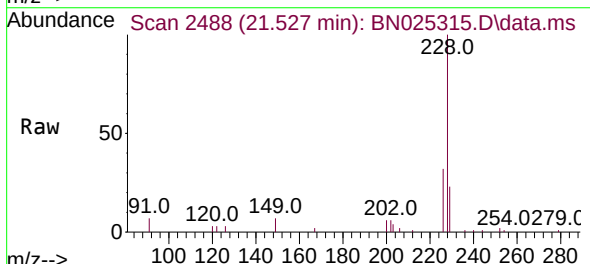
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

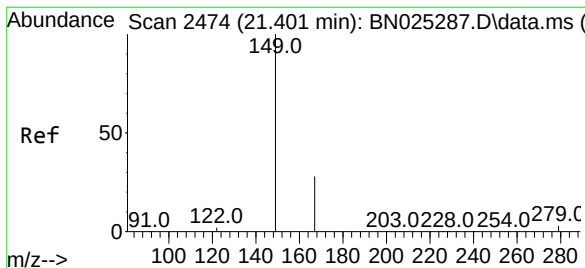
Tgt Ion:228 Resp: 98383
Ion Ratio Lower Upper
228 100
226 29.0 22.5 33.7
229 21.8 16.2 24.2



#33
Chrysene
Concen: 1.040 ng
RT: 21.527 min Scan# 2488
Delta R.T. -0.018 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion:228 Resp: 96747
Ion Ratio Lower Upper
228 100
226 32.4 24.6 36.8
229 22.5 16.2 24.4

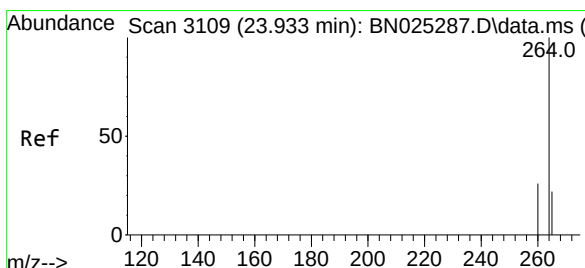
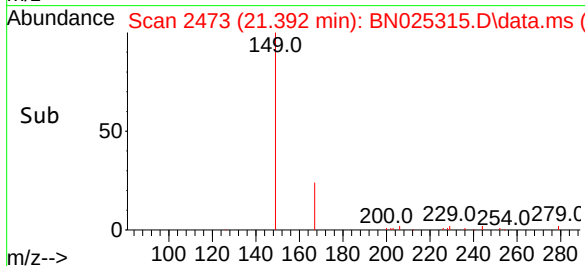
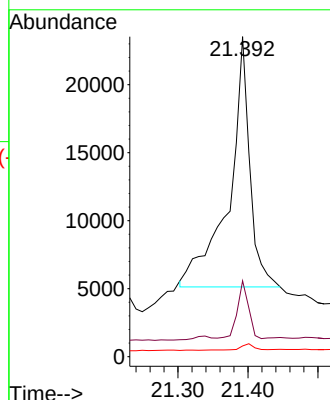
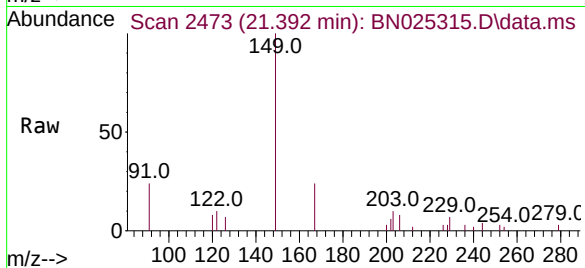




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.523 ng
RT: 21.392 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

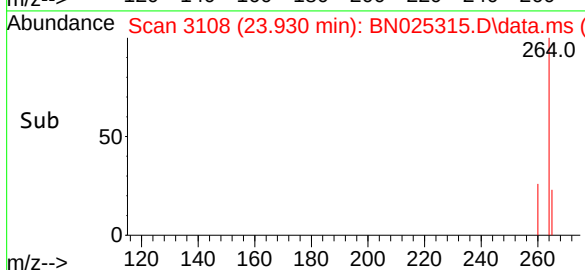
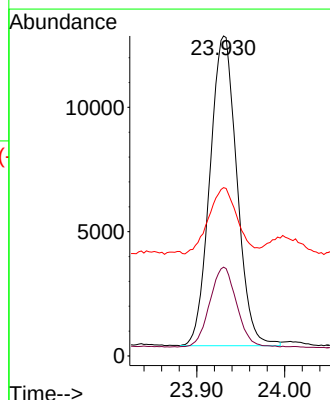
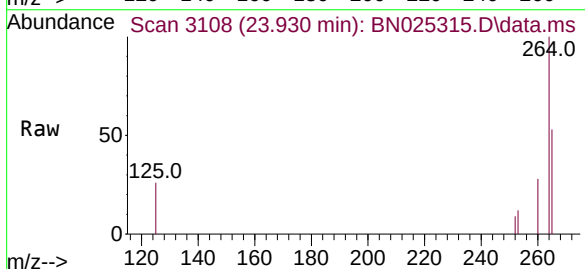
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

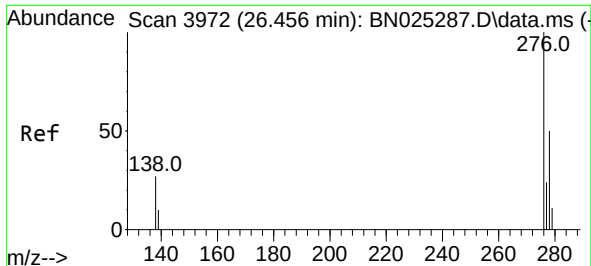
Tgt Ion:149 Resp: 38372
Ion Ratio Lower Upper
149 100
167 12.2 22.2 33.4#
279 2.0 2.6 4.0#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.930 min Scan# 3108
Delta R.T. -0.003 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion:264 Resp: 26591
Ion Ratio Lower Upper
264 100
260 27.8 21.5 32.3
265 52.6 46.2 69.4

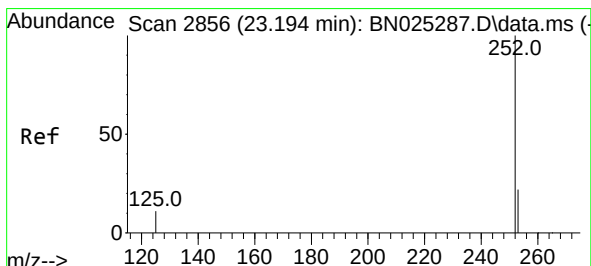
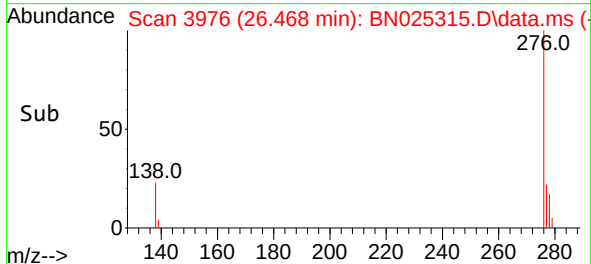
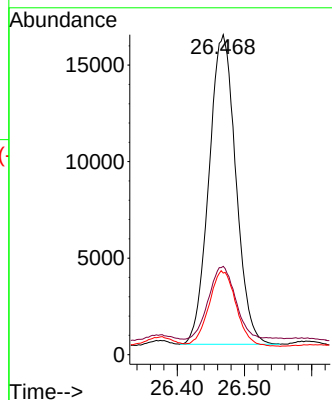
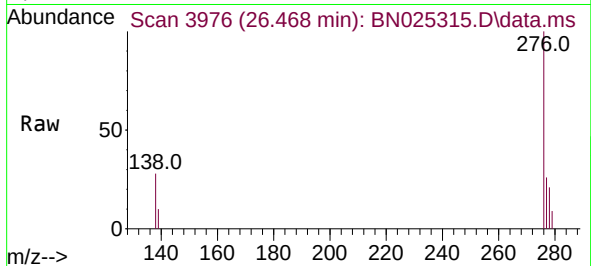




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.416 ng
 RT: 26.468 min Scan# 3976
 Delta R.T. 0.012 min
 Lab File: BN025315.D
 Acq: 06 May 2023 14:45

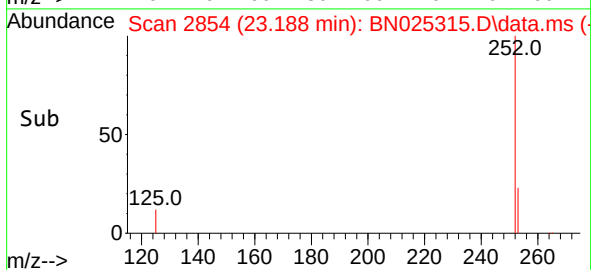
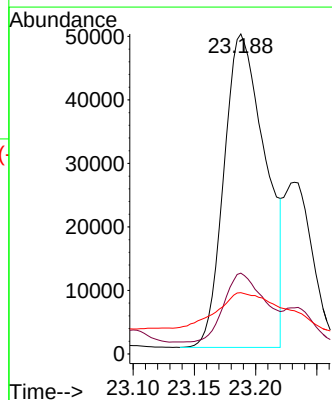
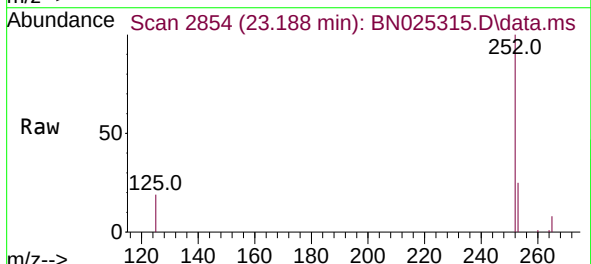
Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023

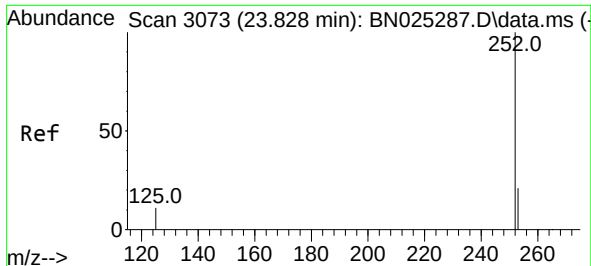
Tgt Ion:276 Resp: 44385
 Ion Ratio Lower Upper
 276 100
 138 23.6 22.5 33.7
 277 24.9 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 1.382 ng
 RT: 23.188 min Scan# 2854
 Delta R.T. -0.006 min
 Lab File: BN025315.D
 Acq: 06 May 2023 14:45

Tgt Ion:252 Resp: 116471
 Ion Ratio Lower Upper
 252 100
 253 25.3 20.8 31.2
 125 19.1 13.4 20.2





#39

Benzo(a)pyrene

Concen: 0.936 ng

RT: 23.825 min Scan# 3073

Delta R.T. -0.003 min

Lab File: BN025315.D

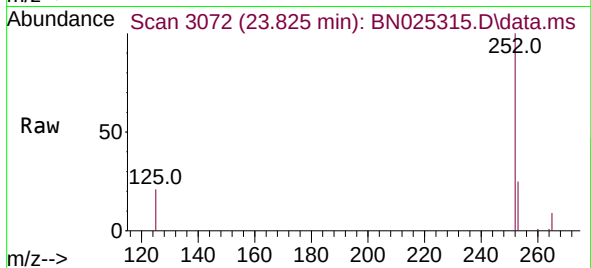
Acq: 06 May 2023 14:45

Instrument :

BN025315.D

ClientSampleId :

PILE-B-UNK-05022023



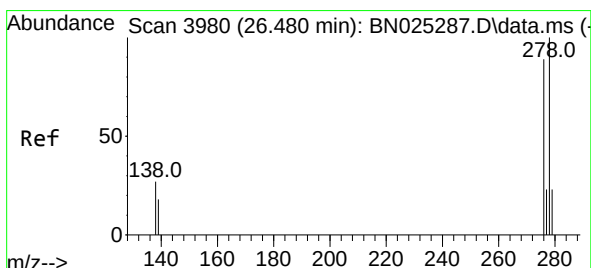
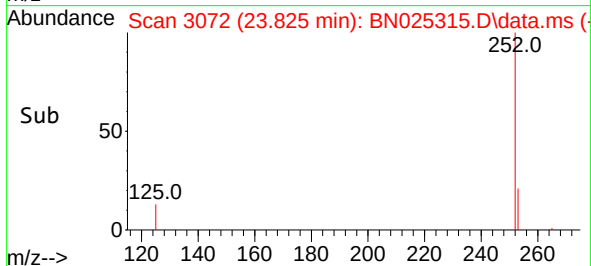
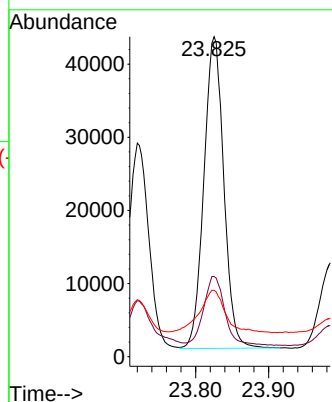
Tgt Ion:252 Resp: 80814

Ion Ratio Lower Upper

252 100

253 25.1 21.4 32.0

125 20.8 15.4 23.2



#40

Dibenzo(a,h)anthracene

Concen: 0.133 ng

RT: 26.474 min Scan# 3978

Delta R.T. -0.006 min

Lab File: BN025315.D

Acq: 06 May 2023 14:45

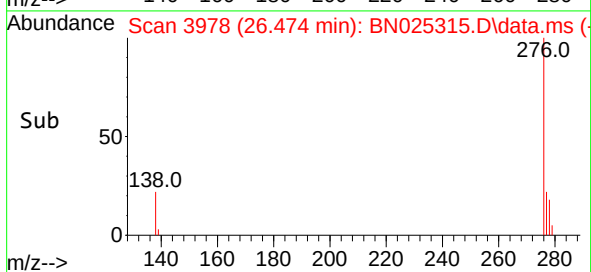
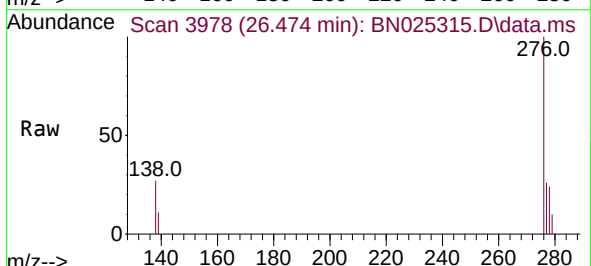
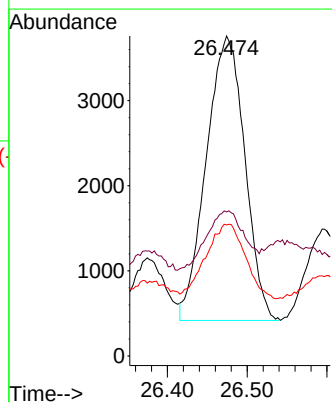
Tgt Ion:278 Resp: 11199

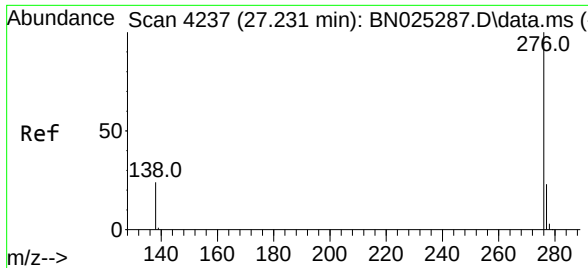
Ion Ratio Lower Upper

278 100

139 45.0 17.6 26.4#

279 41.0 21.6 32.4#





#41

Benzo(g,h,i)perylene

Concen: 0.470 ng

RT: 27.258 min Scan# 41

Delta R.T. 0.026 min

Lab File: BN025315.D

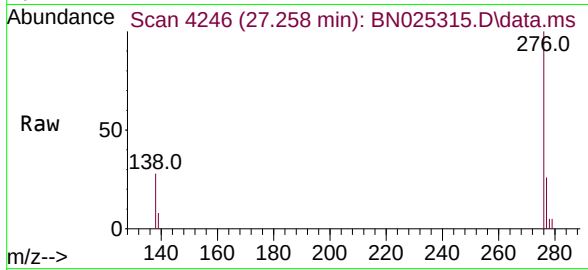
Acq: 06 May 2023 14:45

Instrument :

BNA_N

ClientSampleId :

PILE-B-UNK-05022023



Tgt Ion:276 Resp: 43454

Ion Ratio Lower Upper

276 100

277 26.0 20.1 30.1

138 28.3 21.0 31.6

