

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050923\
 Data File : BN025368.D
 Acq On : 09 May 2023 15:41
 Operator : CG/JU
 Sample : 02588-01DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 10 03:59:13 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

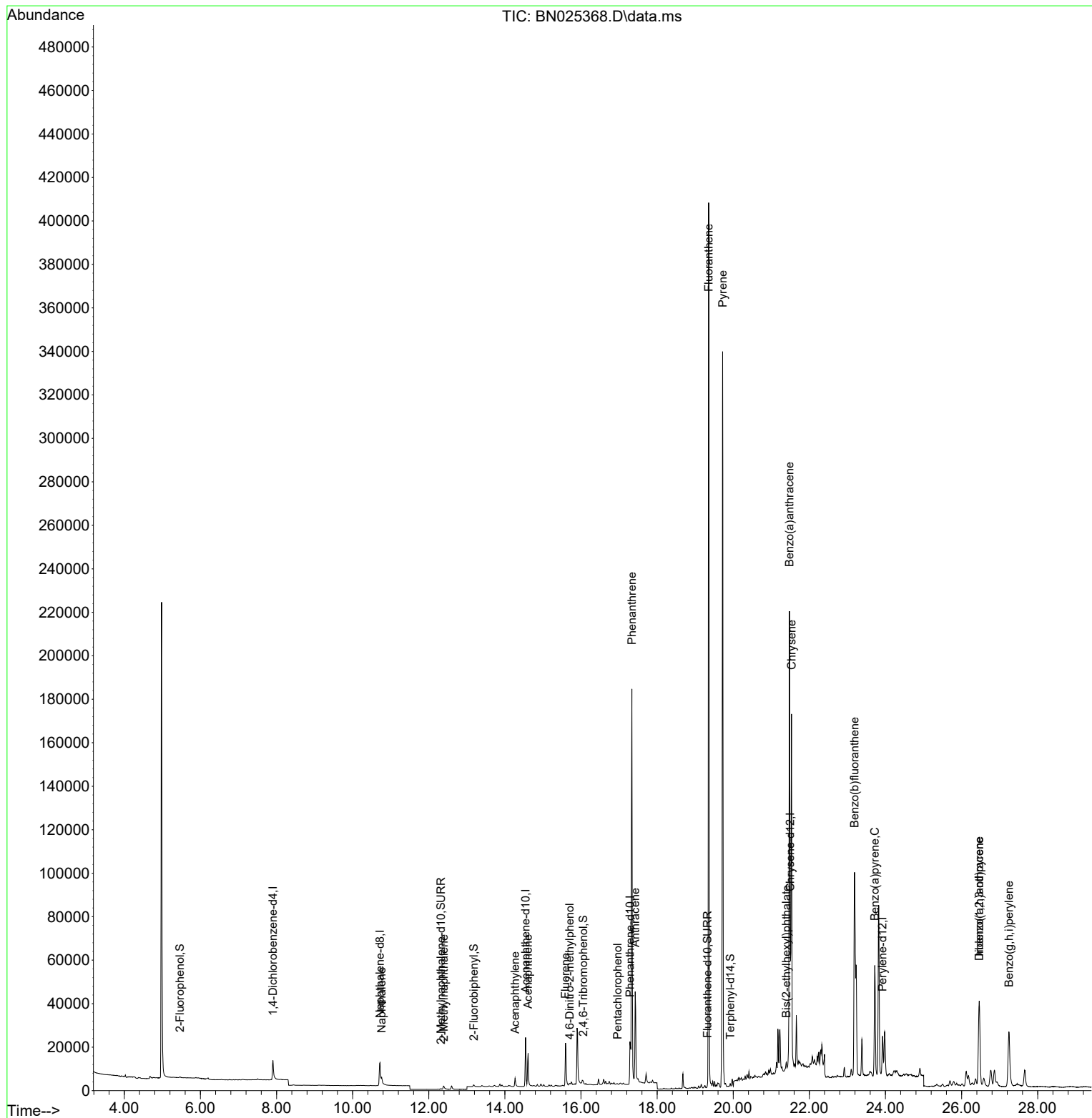
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	6639	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	21483	0.400	ng	0.01
13) Acenaphthene-d10	14.544	164	13370	0.400	ng	0.00
19) Phenanthrene-d10	17.286	188	29899	0.400	ng	#-0.01
29) Chrysene-d12	21.495	240	28294	0.400	ng	0.00
35) Perylene-d12	23.923	264	24877	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	445	0.028	ng	0.00
5) Phenol-d6	7.095	99	386	0.019	ng	0.02
8) Nitrobenzene-d5	9.138	82	235	0.013	ng	0.06
11) 2-Methylnaphthalene-d10	12.317	152	745	0.025	ng	0.02
14) 2,4,6-Tribromophenol	16.057	330	170	0.025	ng	0.01
15) 2-Fluorobiphenyl	13.187	172	1122	0.024	ng	0.01
27) Fluoranthene-d10	19.325	212	1875	0.025	ng	0.00
31) Terphenyl-d14	19.924	244	1528	0.027	ng	0.00
Target Compounds						
9) Naphthalene	10.761	128	4507	0.082	ng	# 93
12) 2-Methylnaphthalene	12.393	142	1971	0.051	ng	# 94
16) Acenaphthylene	14.266	152	5057	0.084	ng	98
17) Acenaphthene	14.609	154	8306	0.223	ng	97
18) Fluorene	15.592	166	15952	0.313	ng	97
20) 4,6-Dinitro-2-methylph...	15.699	198	1	0.280	ng	# 1
24) Pentachlorophenol	16.963	266	34	0.271	ng	# 86
25) Phenanthrene	17.336	178	195368	2.362	ng	99
26) Anthracene	17.423	178	53338	0.688	ng	98
28) Fluoranthene	19.355	202	370123	3.581	ng	99
30) Pyrene	19.722	202	301827	3.120	ng	# 95
32) Benzo(a)anthracene	21.477	228	175067	1.831	ng	99
33) Chrysene	21.531	228	142859	1.501	ng	98
34) Bis(2-ethylhexyl)phtha...	21.396	149	2694	0.036	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.464	276	60796	0.610	ng	96
37) Benzo(b)fluoranthene	23.186	252	162428	2.060	ng	# 94
39) Benzo(a)pyrene	23.718	252	72021	0.892	ng	97
40) Dibenzo(a,h)anthracene	26.467	278	15812	0.201	ng	# 88
41) Benzo(g,h,i)perylene	27.244	276	54784	0.633	ng	99

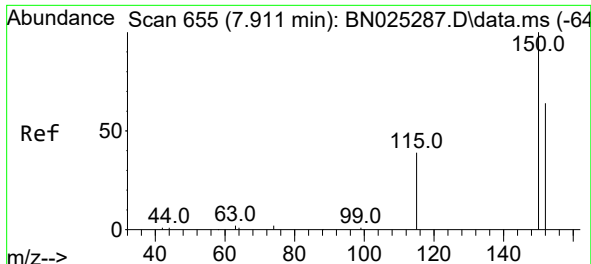
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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050923\
Data File : BN025368.D
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Instrument :
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ClientSampleId :
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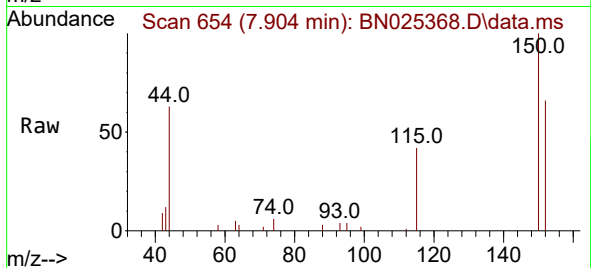
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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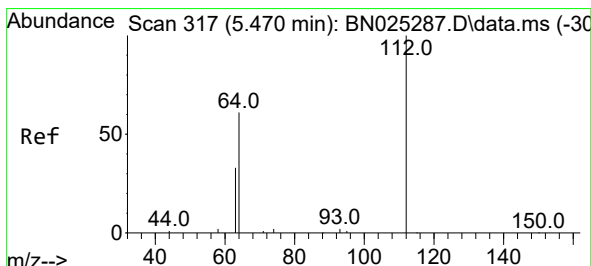
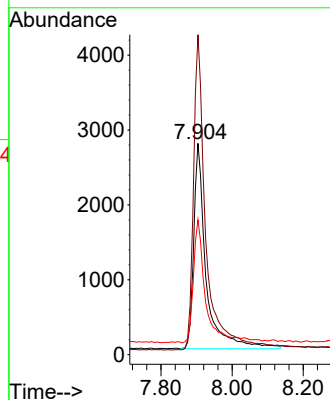
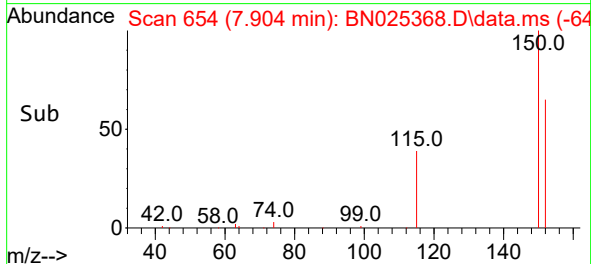


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

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

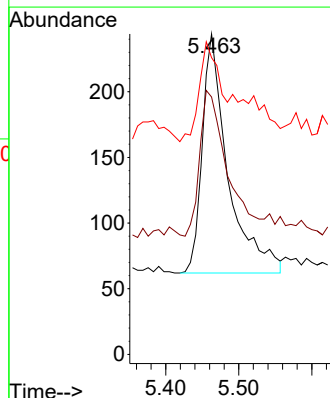
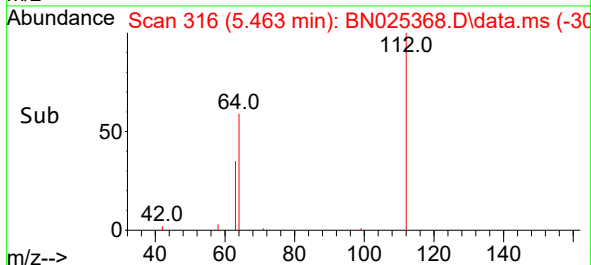
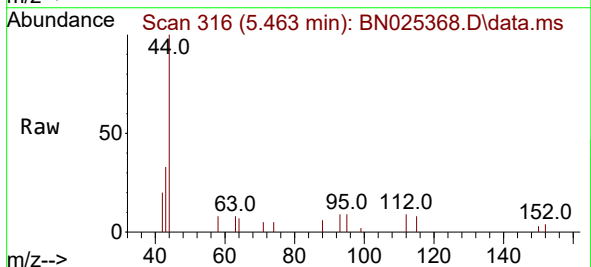


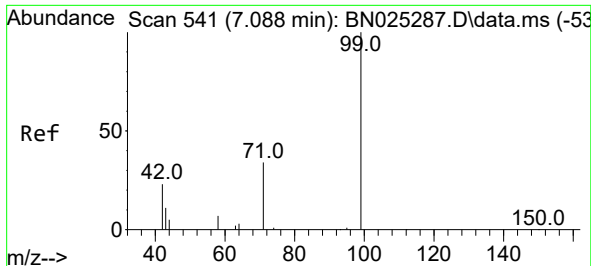
Tgt Ion:152 Resp: 6639
Ion Ratio Lower Upper
152 100
150 151.4 123.8 185.8
115 63.8 52.9 79.3



#4
2-Fluorophenol
Concen: 0.028 ng
RT: 5.463 min Scan# 316
Delta R.T. 0.007 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion:112 Resp: 445
Ion Ratio Lower Upper
112 100
64 66.3 51.5 77.3
63 33.7 27.8 41.6

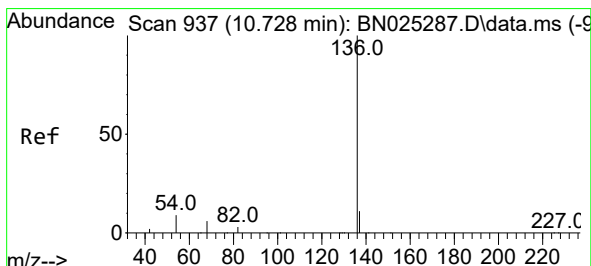
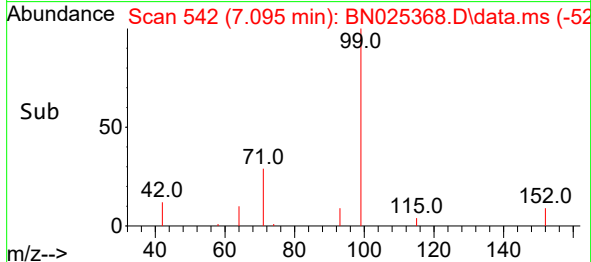
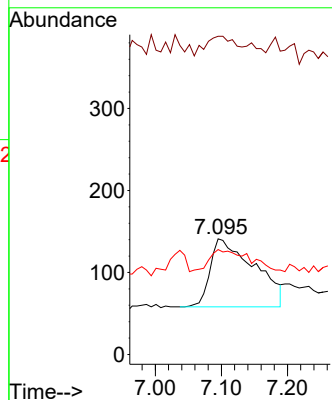
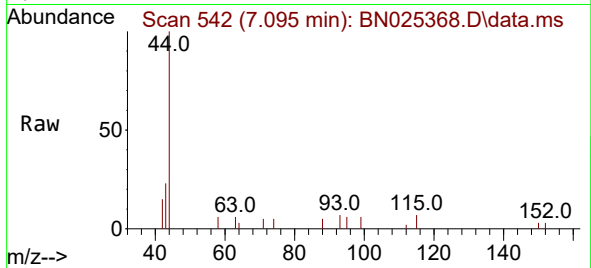




#5
Phenol-d6
Concen: 0.019 ng
RT: 7.095 min Scan# 541
Delta R.T. 0.022 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

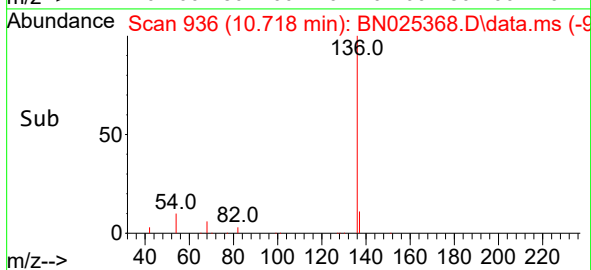
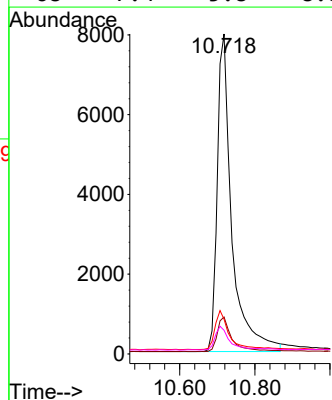
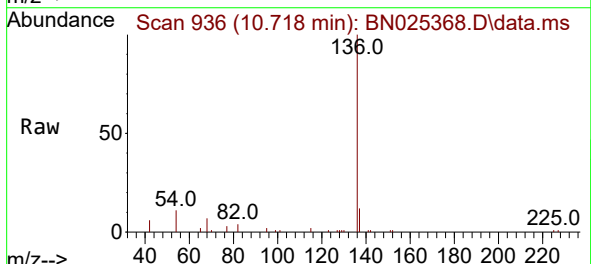
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL

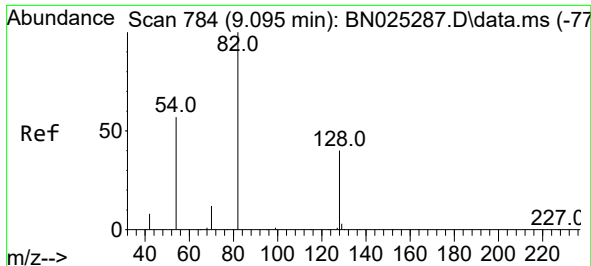
Tgt Ion: 99 Resp: 386
Ion Ratio Lower Upper
99 100
42 19.2 22.0 33.0#
71 29.5 28.7 43.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. 0.011 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion: 136 Resp: 21483
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 10.9 8.5 12.7
68 7.4 5.8 8.8

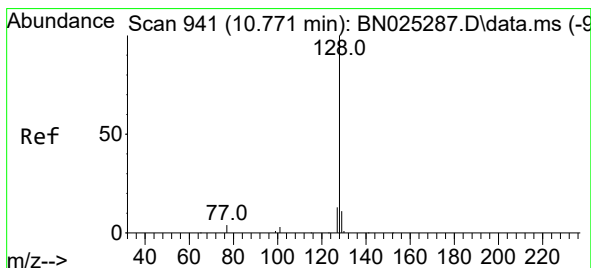
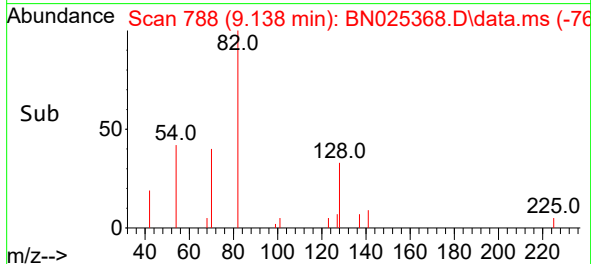
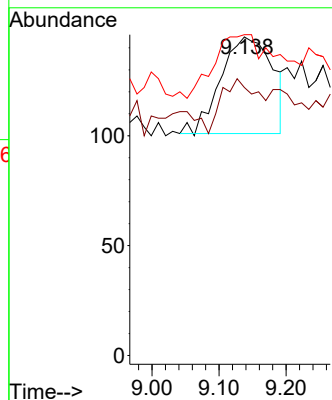
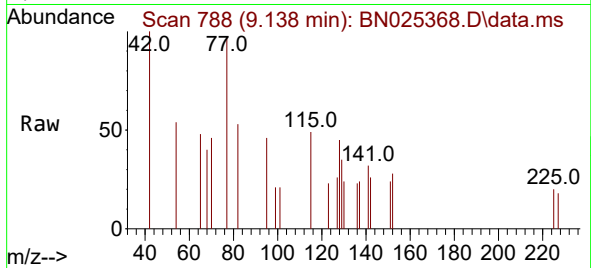




#8
Nitrobenzene-d5
Concen: 0.013 ng
RT: 9.138 min Scan# 71
Delta R.T. 0.064 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

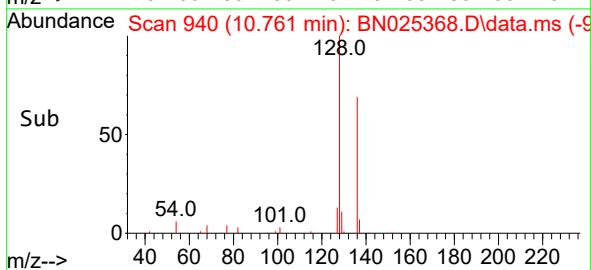
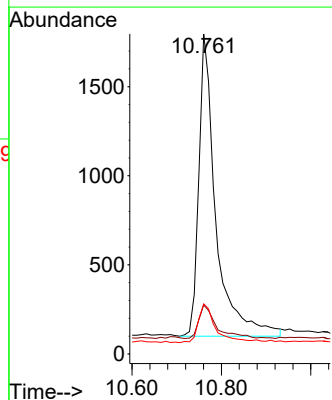
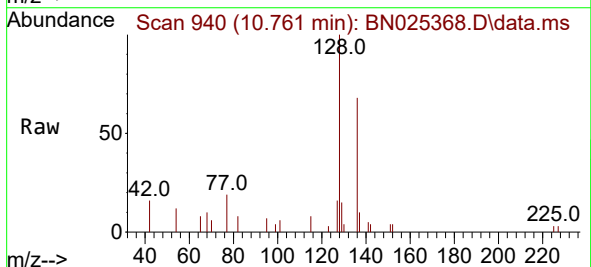
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL

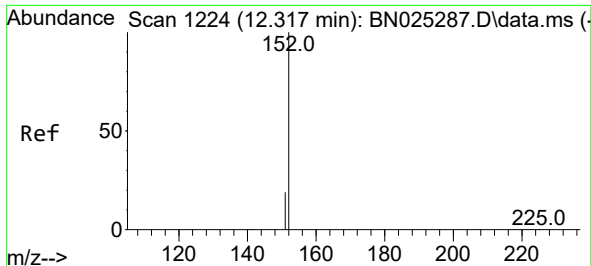
Tgt Ion: 82 Resp: 235
Ion Ratio Lower Upper
82 100
128 84.1 35.3 52.9#
54 100.7 48.7 73.1#



#9
Naphthalene
Concen: 0.082 ng
RT: 10.761 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion: 128 Resp: 4507
Ion Ratio Lower Upper
128 100
129 15.3 9.4 14.2#
127 15.6 11.0 16.6

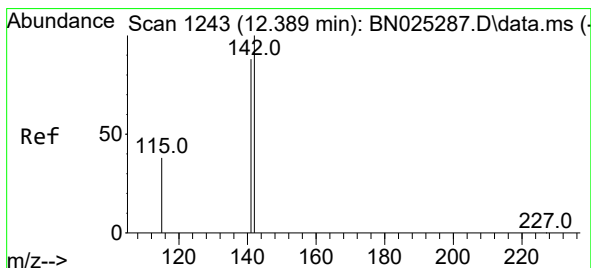
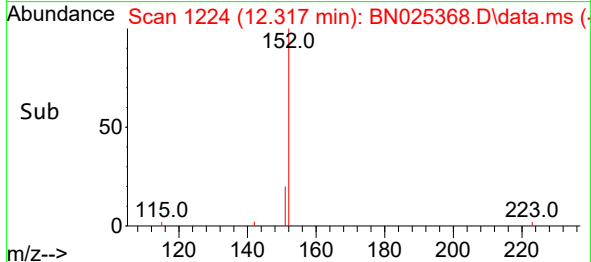
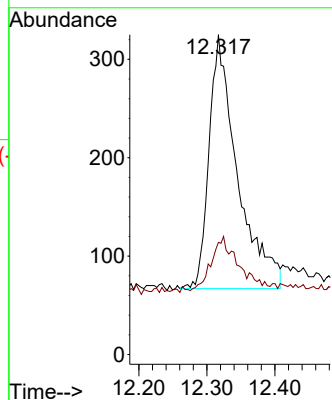
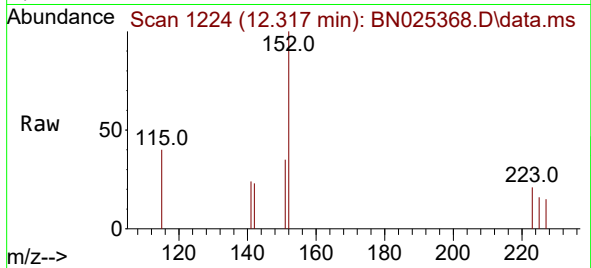




#11
2-Methylnaphthalene-d10
Concen: 0.025 ng
RT: 12.317 min Scan# 11
Delta R.T. 0.015 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

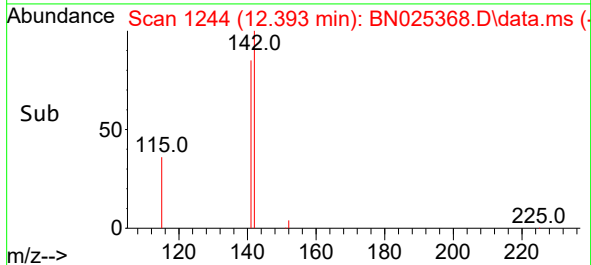
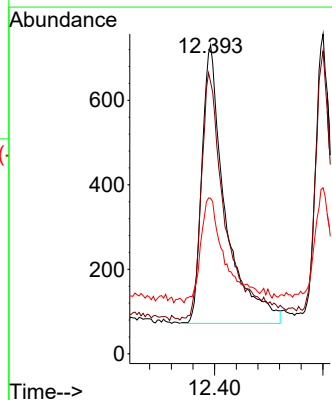
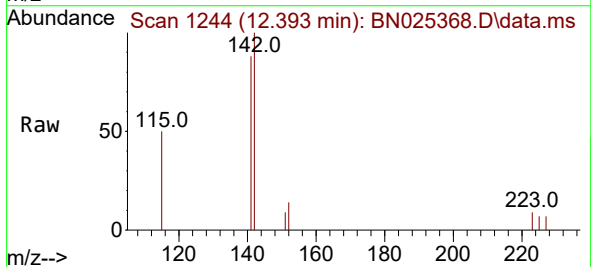
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ZONE-B-0-3-05012023DL

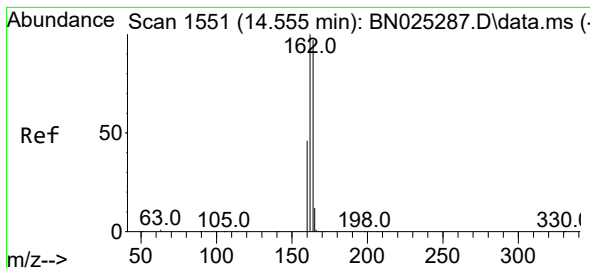
Tgt Ion:152 Resp: 745
Ion Ratio Lower Upper
152 100
151 17.7 16.4 24.6



#12
2-Methylnaphthalene
Concen: 0.051 ng
RT: 12.393 min Scan# 1244
Delta R.T. 0.015 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion:142 Resp: 1971
Ion Ratio Lower Upper
142 100
141 88.0 70.5 105.7
115 50.3 31.6 47.4#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.544 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN025368.D

Acq: 09 May 2023 15:41

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023DL

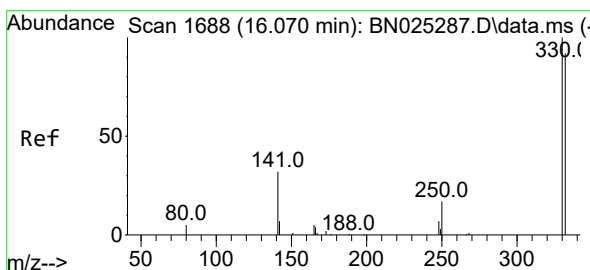
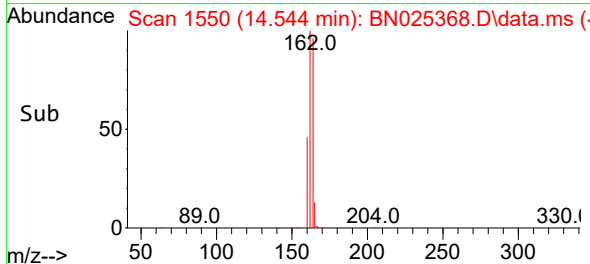
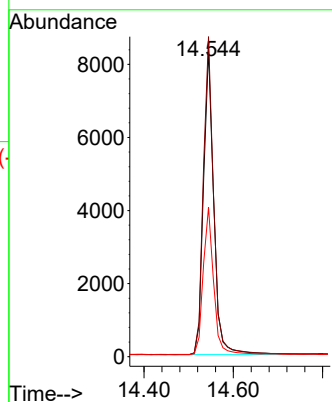
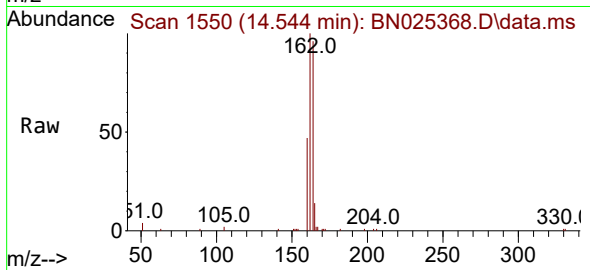
Tgt Ion:164 Resp: 13370

Ion Ratio Lower Upper

164 100

162 104.3 82.1 123.1

160 48.7 38.3 57.5



#14

2,4,6-Tribromophenol

Concen: 0.025 ng

RT: 16.057 min Scan# 1687

Delta R.T. 0.013 min

Lab File: BN025368.D

Acq: 09 May 2023 15:41

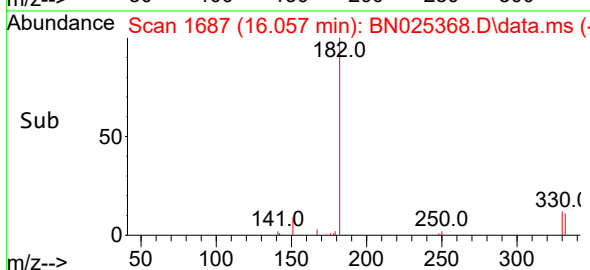
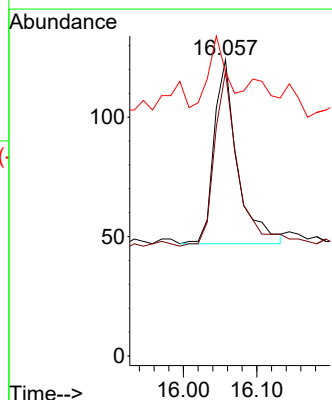
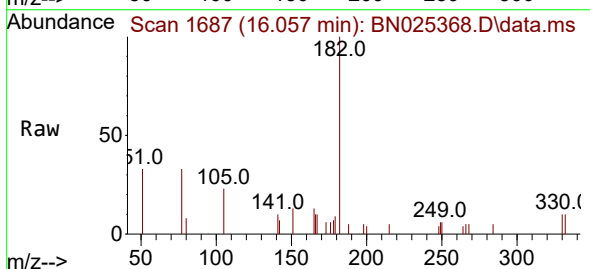
Tgt Ion:330 Resp: 170

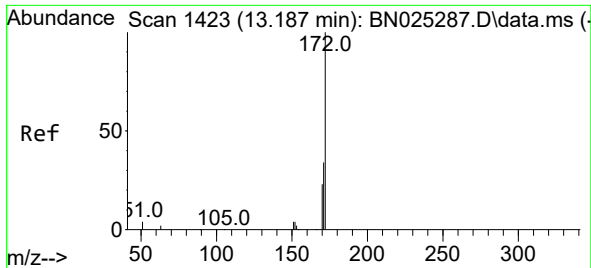
Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.0

141 28.2 28.9 43.3#

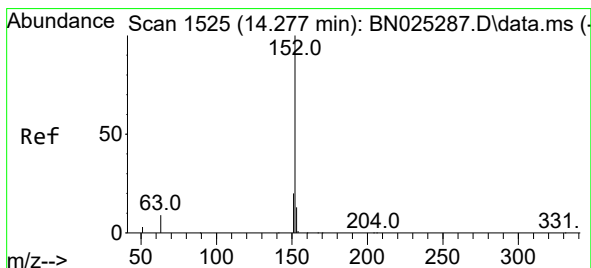
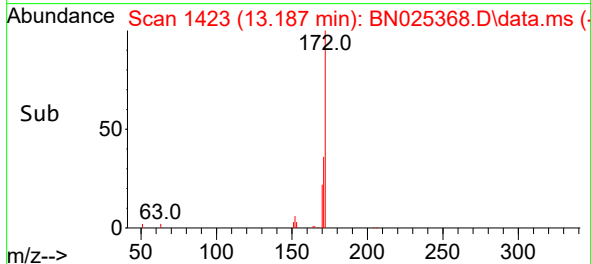
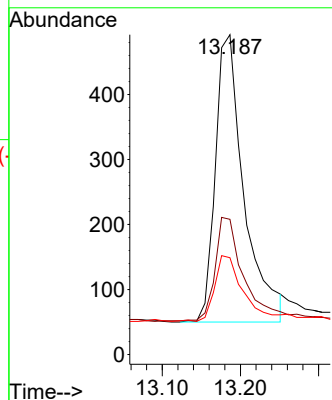
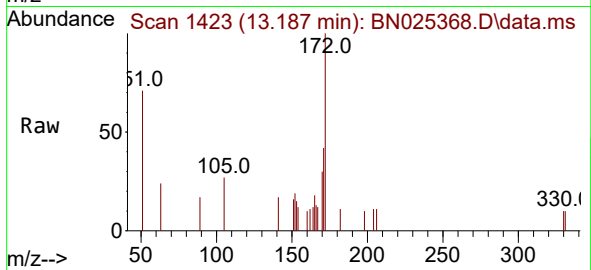




#15
2-Fluorobiphenyl
Concen: 0.024 ng
RT: 13.187 min Scan# 1423
Delta R.T. 0.011 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

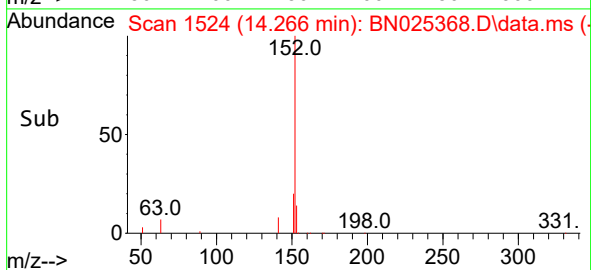
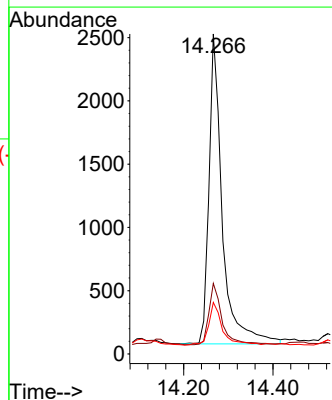
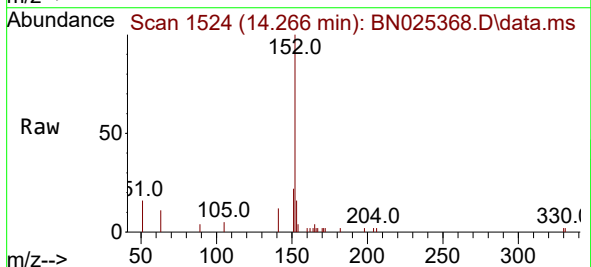
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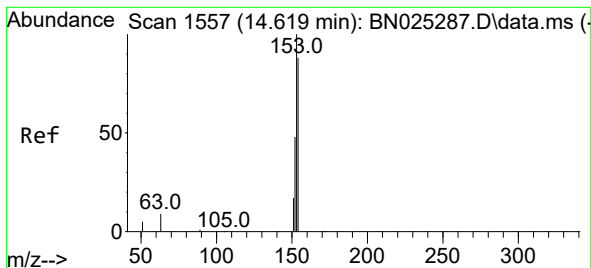
Tgt Ion:172 Resp: 1122
Ion Ratio Lower Upper
172 100
171 42.3 27.9 41.9#
170 30.3 19.0 28.4#



#16
Acenaphthylene
Concen: 0.084 ng
RT: 14.266 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion:152 Resp: 5057
Ion Ratio Lower Upper
152 100
151 19.5 16.1 24.1
153 14.3 10.3 15.5





#17

Acenaphthene

Concen: 0.223 ng

RT: 14.609 min Scan# 1556

Delta R.T. 0.000 min

Lab File: BN025368.D

Acq: 09 May 2023 15:41

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023DL

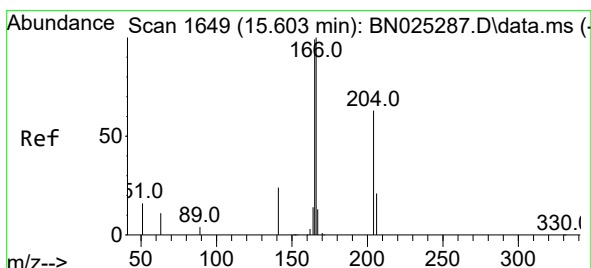
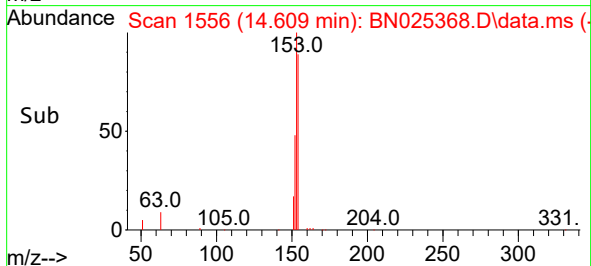
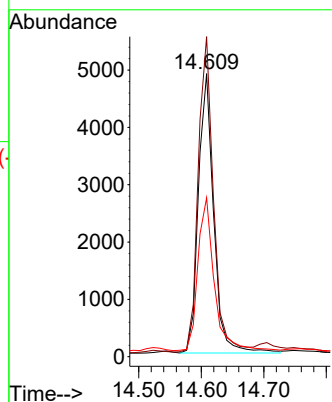
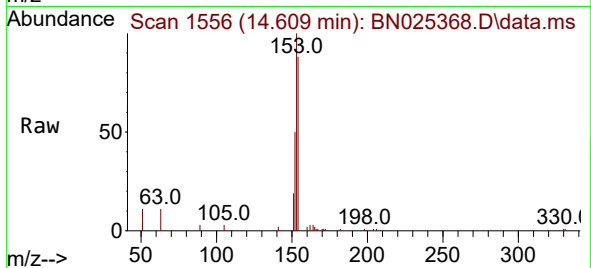
Tgt Ion:154 Resp: 8306

Ion Ratio Lower Upper

154 100

153 111.7 91.3 136.9

152 58.3 44.7 67.1



#18

Fluorene

Concen: 0.313 ng

RT: 15.592 min Scan# 1648

Delta R.T. 0.000 min

Lab File: BN025368.D

Acq: 09 May 2023 15:41

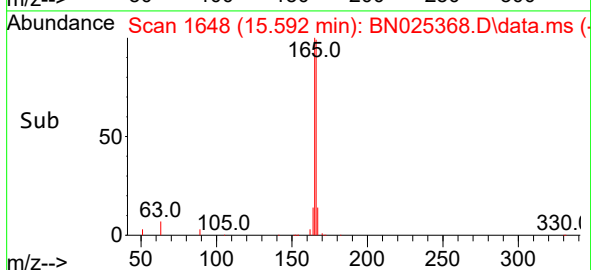
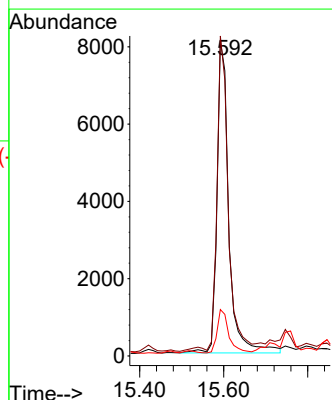
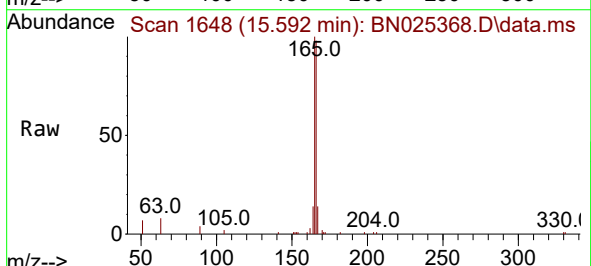
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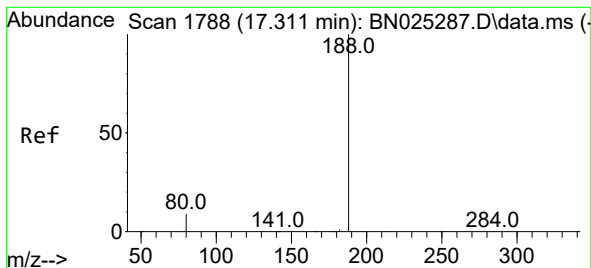
Ion Ratio Lower Upper

166 100

165 96.1 79.0 118.4

167 13.6 10.3 15.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.286 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN025368.D

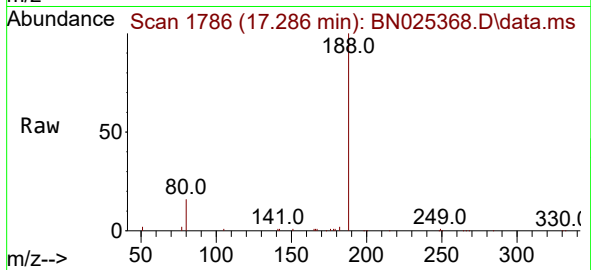
Acq: 09 May 2023 15:41

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023DL



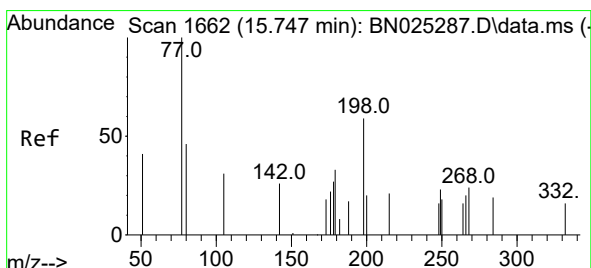
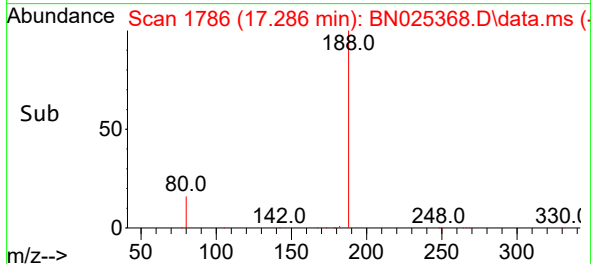
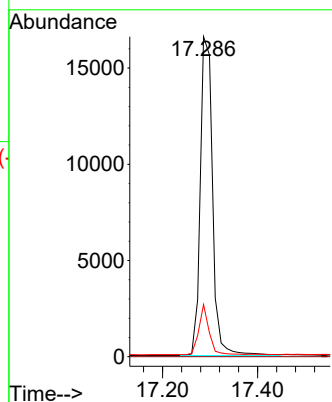
Tgt Ion:188 Resp: 29899

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.3 8.0 12.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.280 ng

RT: 15.699 min Scan# 1658

Delta R.T. -0.023 min

Lab File: BN025368.D

Acq: 09 May 2023 15:41

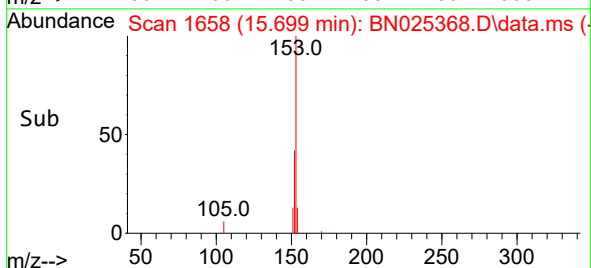
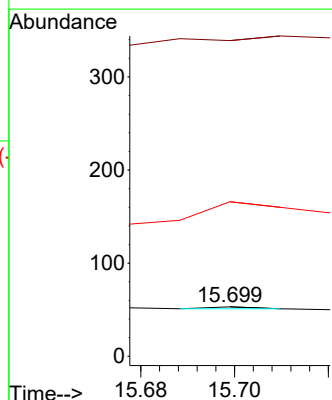
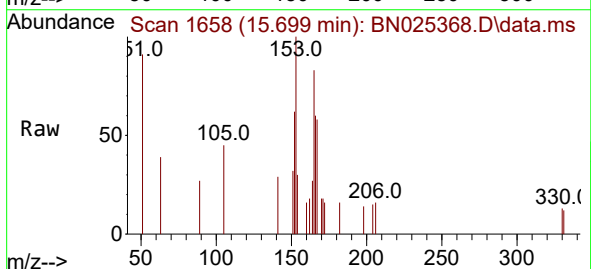
Tgt Ion:198 Resp: 1

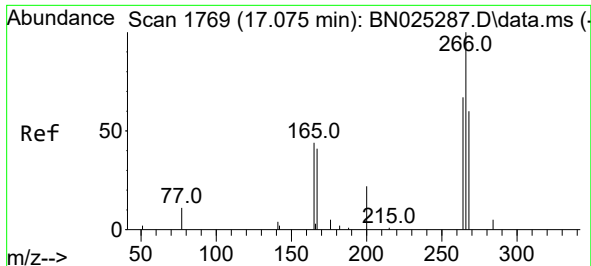
Ion Ratio Lower Upper

198 100

51 639.6 162.1 243.1#

105 313.2 83.1 124.7#

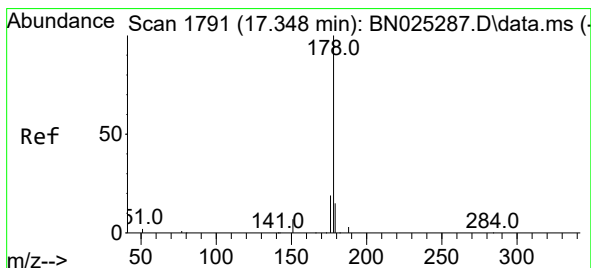
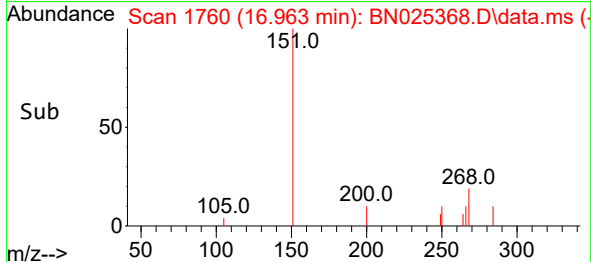
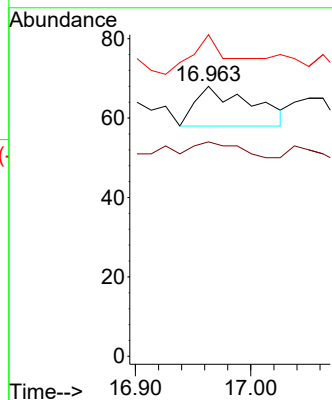
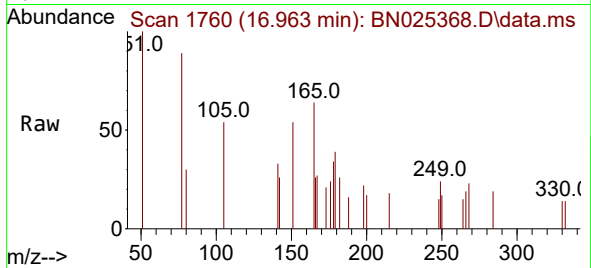




#24
Pentachlorophenol
Concen: 0.271 ng
RT: 16.963 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

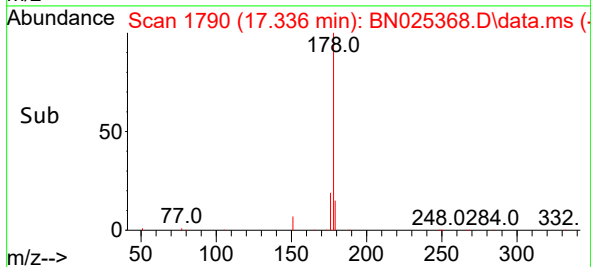
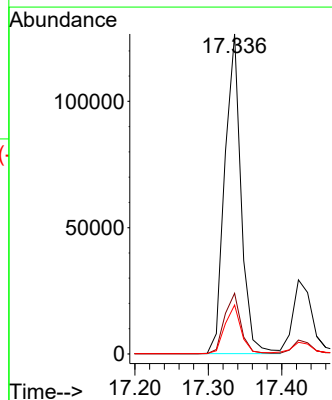
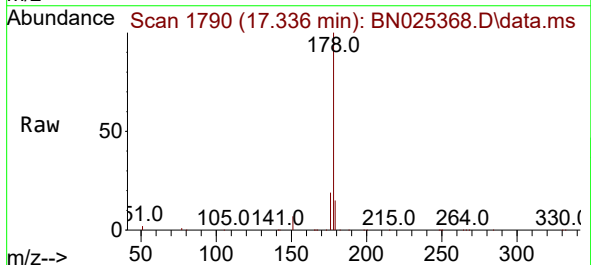
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL

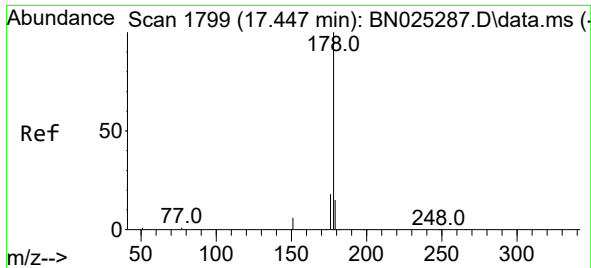
Tgt Ion:266 Resp: 34
Ion Ratio Lower Upper
266 100
264 70.6 43.0 64.4#
268 55.9 47.4 71.2



#25
Phenanthrene
Concen: 2.362 ng
RT: 17.336 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion:178 Resp: 195368
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.3 12.4 18.6

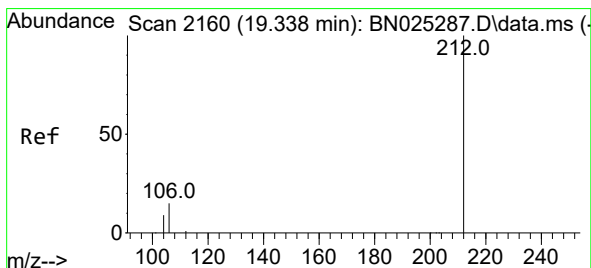
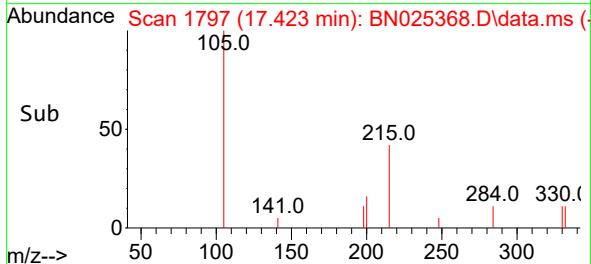
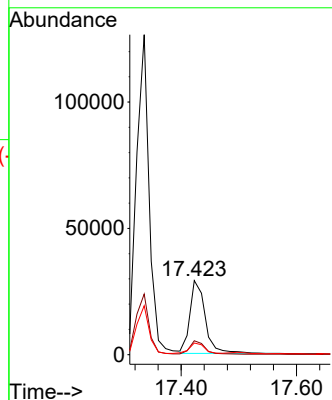
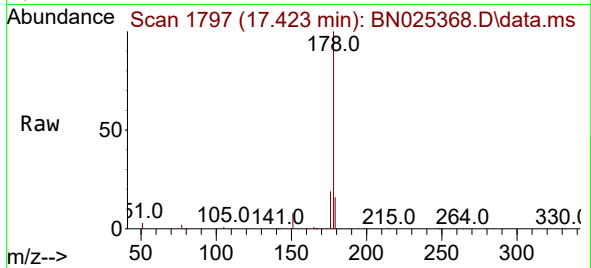




#26
 Anthracene
 Concen: 0.688 ng
 RT: 17.423 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN025368.D
 Acq: 09 May 2023 15:41

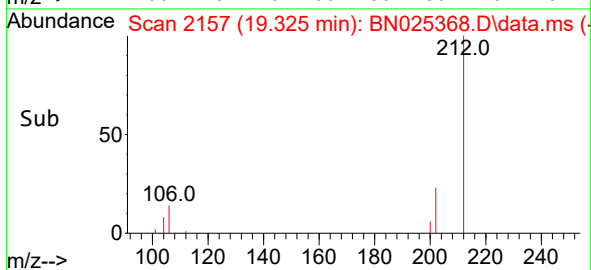
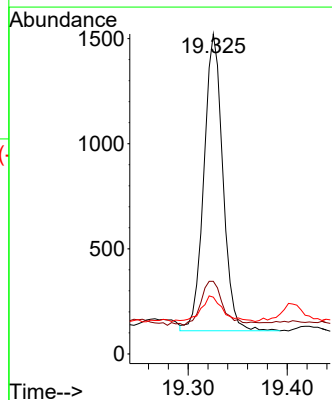
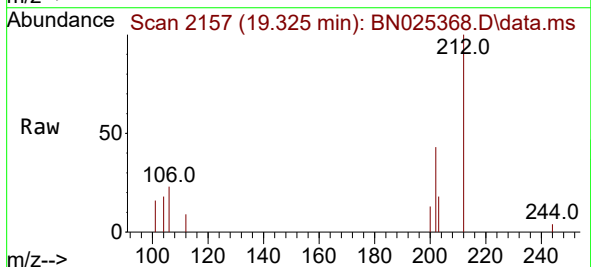
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-0-3-05012023DL

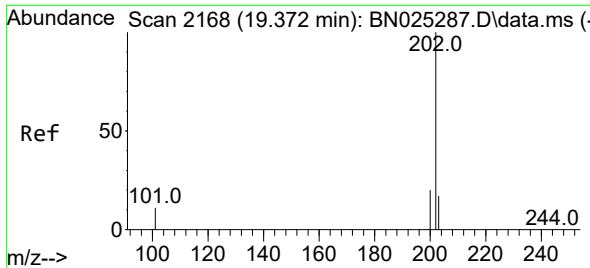
Tgt Ion:178 Resp: 53338
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.9 22.3
 179 13.8 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.025 ng
 RT: 19.325 min Scan# 2157
 Delta R.T. -0.004 min
 Lab File: BN025368.D
 Acq: 09 May 2023 15:41

Tgt Ion:212 Resp: 1875
 Ion Ratio Lower Upper
 212 100
 106 17.0 12.6 19.0
 104 10.2 7.0 10.6

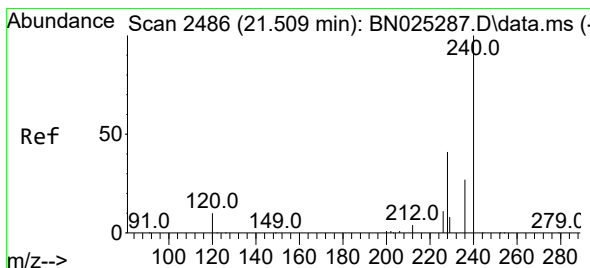
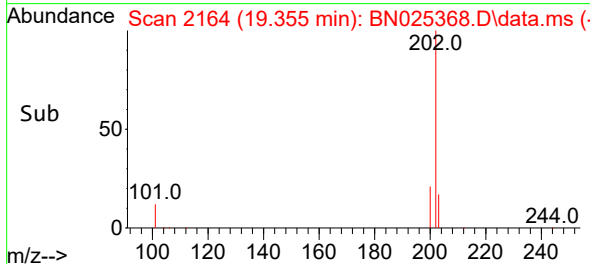
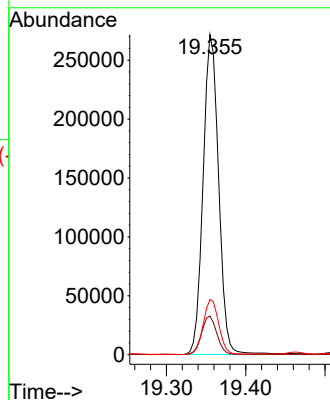
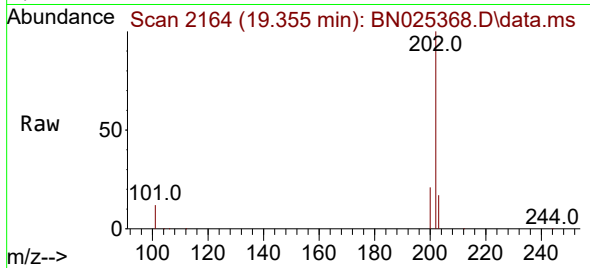




#28
Fluoranthene
Concen: 3.581 ng
RT: 19.355 min Scan# 2164
Delta R.T. -0.004 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

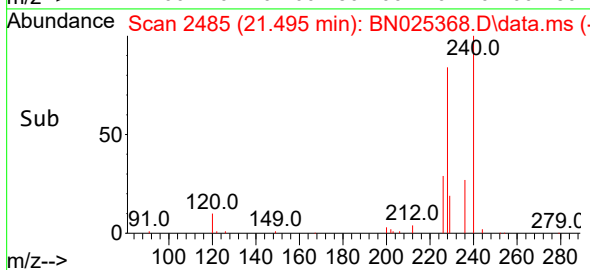
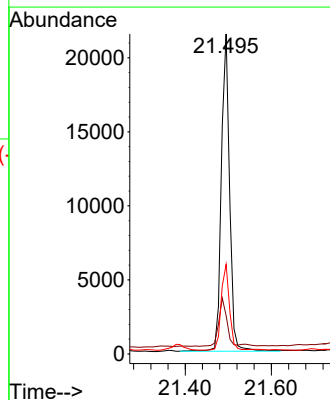
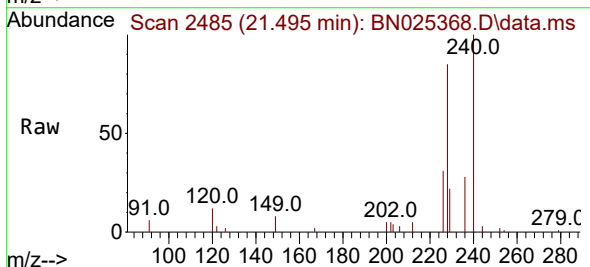
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL

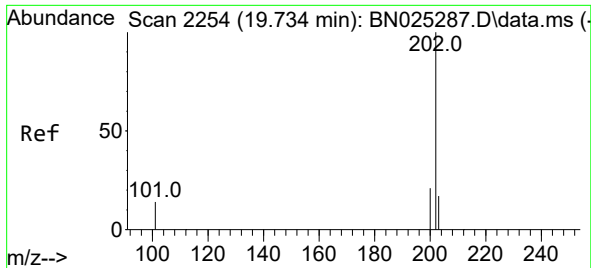
Tgt Ion:202 Resp: 370123
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.8
203 17.2 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.495 min Scan# 2485
Delta R.T. 0.009 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion:240 Resp: 28294
Ion Ratio Lower Upper
240 100
120 12.0 10.3 15.5
236 28.0 22.3 33.5

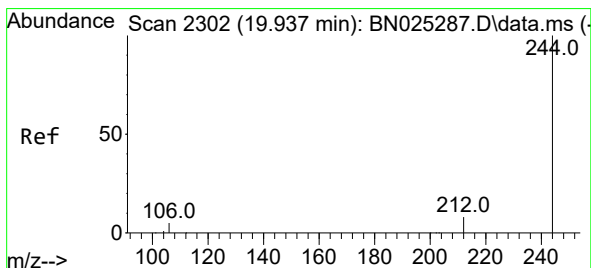
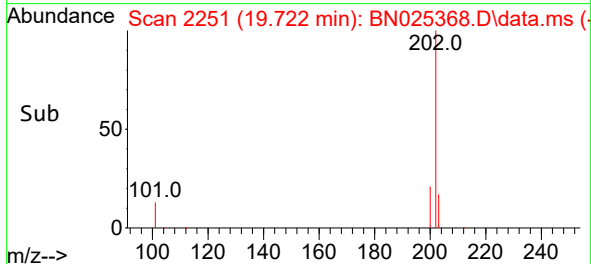
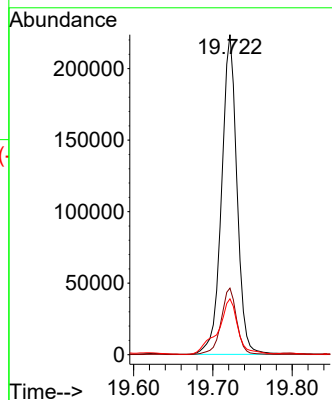
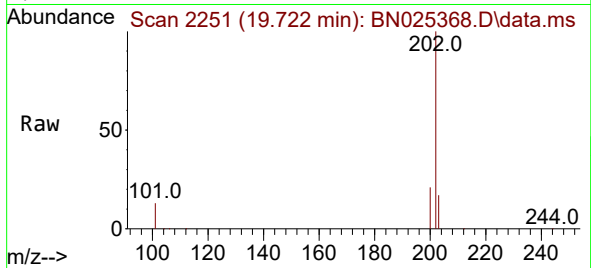




#30
Pyrene
Concen: 3.120 ng
RT: 19.722 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

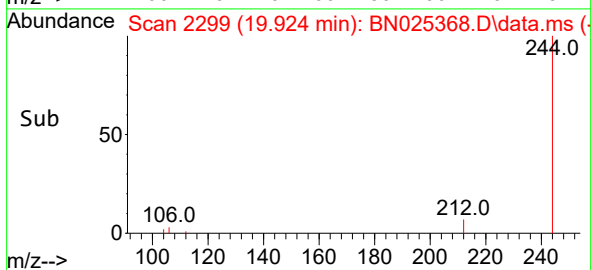
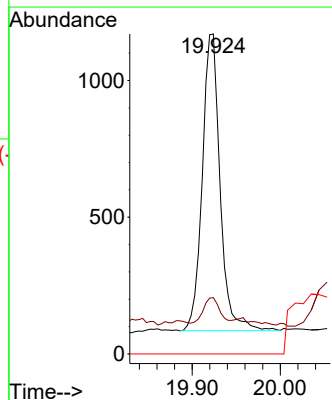
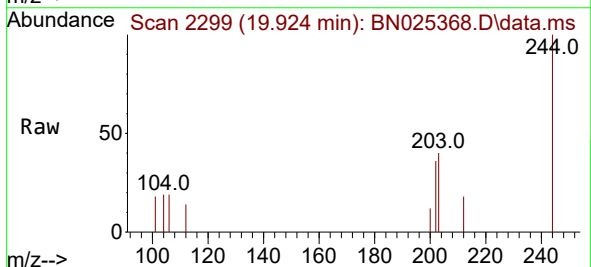
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL

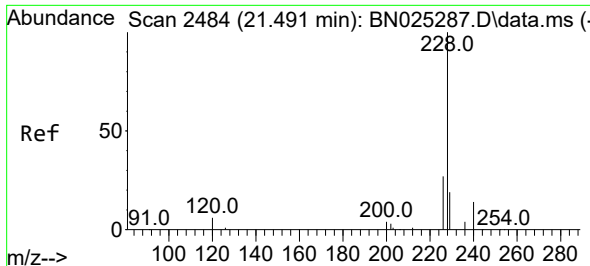
Tgt Ion:202 Resp: 301827
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 22.3 14.4 21.6#



#31
Terphenyl-d14
Concen: 0.027 ng
RT: 19.924 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion:244 Resp: 1528
Ion Ratio Lower Upper
244 100
212 17.6 7.1 10.7#
122 0.0 0.0 0.0

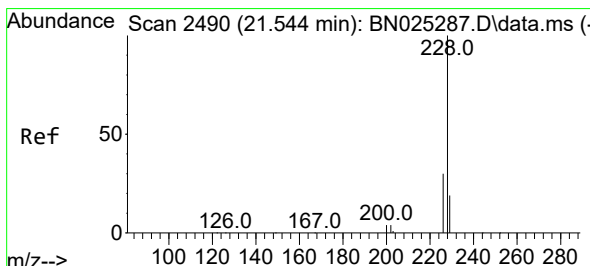
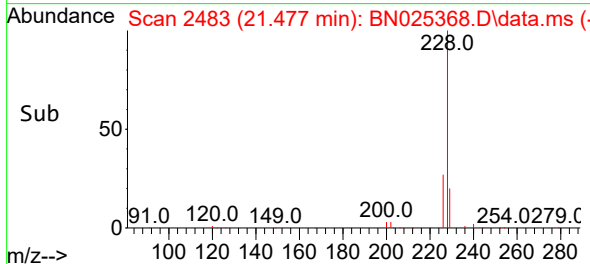
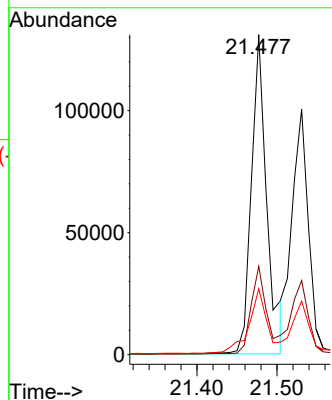
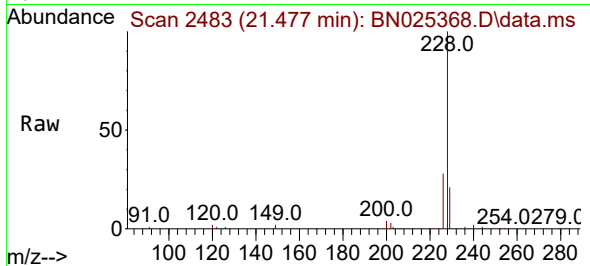




#32
Benzo(a)anthracene
Concen: 1.831 ng
RT: 21.477 min Scan# 2483
Delta R.T. 0.009 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

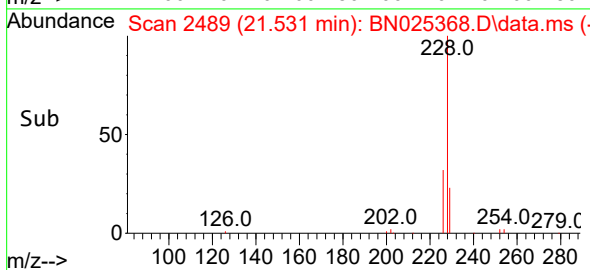
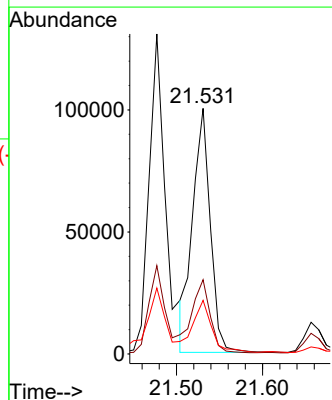
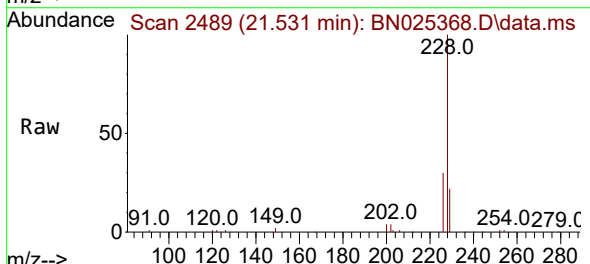
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL

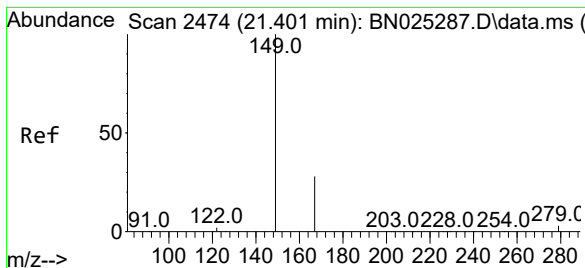
Tgt Ion:228 Resp: 175067
Ion Ratio Lower Upper
228 100
226 27.6 22.5 33.7
229 20.6 16.2 24.2



#33
Chrysene
Concen: 1.501 ng
RT: 21.531 min Scan# 2489
Delta R.T. 0.009 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion:228 Resp: 142859
Ion Ratio Lower Upper
228 100
226 30.2 24.6 36.8
229 21.8 16.2 24.4

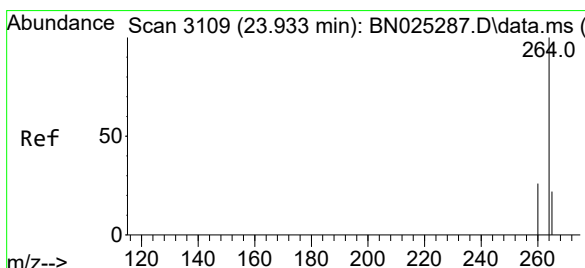
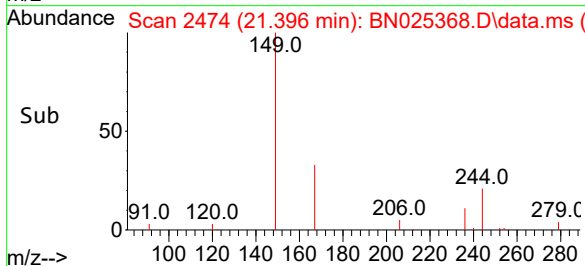
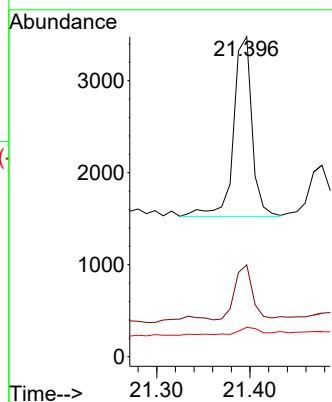
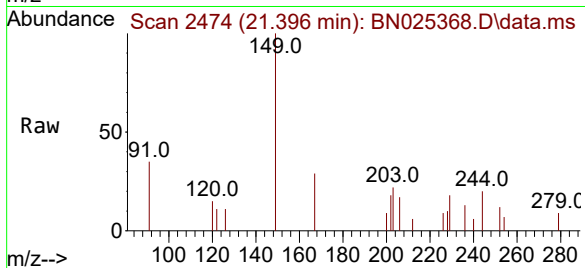




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.036 ng
 RT: 21.396 min Scan# 2474
 Delta R.T. 0.018 min
 Lab File: BN025368.D
 Acq: 09 May 2023 15:41

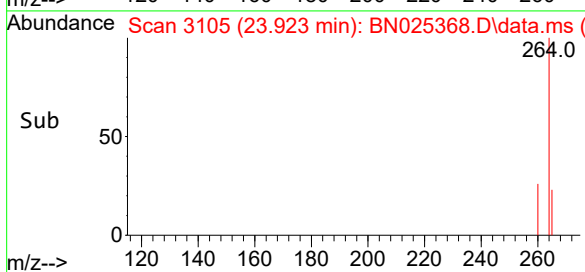
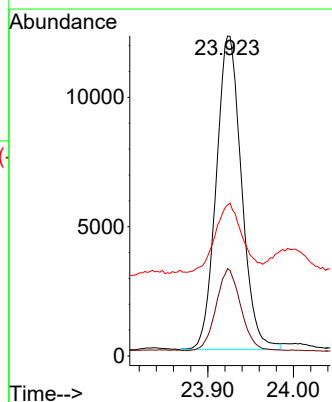
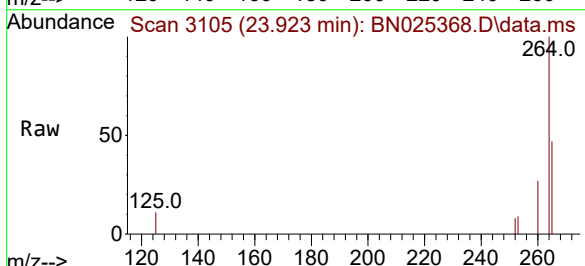
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-0-3-05012023DL

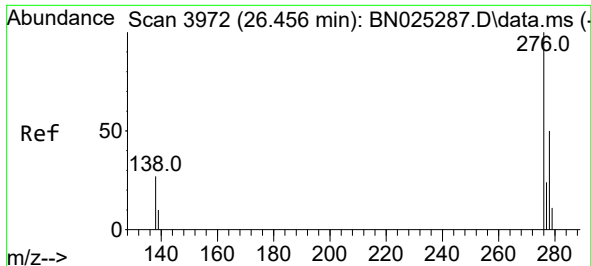
Tgt Ion:149 Resp: 2694
 Ion Ratio Lower Upper
 149 100
 167 29.3 22.2 33.4
 279 6.5 2.6 4.0#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.923 min Scan# 3105
 Delta R.T. 0.012 min
 Lab File: BN025368.D
 Acq: 09 May 2023 15:41

Tgt Ion:264 Resp: 24877
 Ion Ratio Lower Upper
 264 100
 260 27.3 21.5 32.3
 265 47.2 46.2 69.4

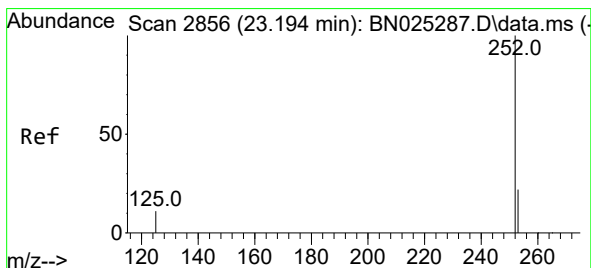
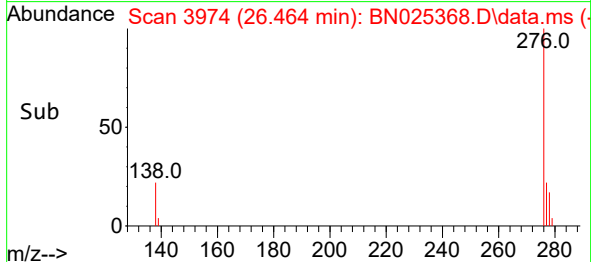
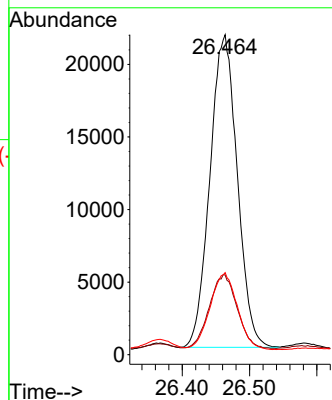
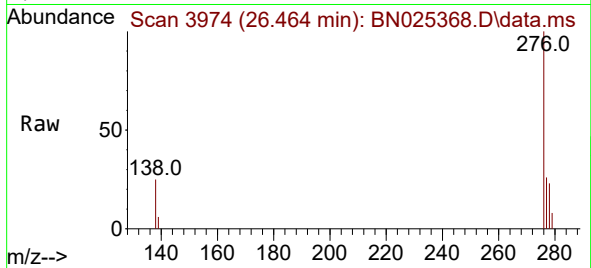




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.610 ng
RT: 26.464 min Scan# 3974
Delta R.T. 0.006 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

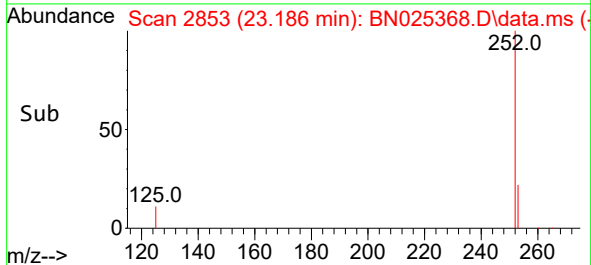
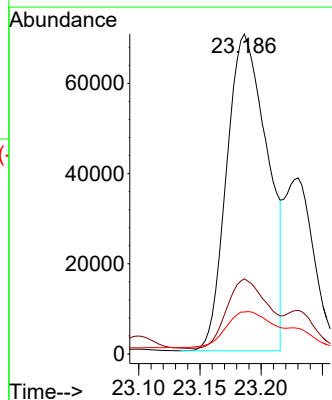
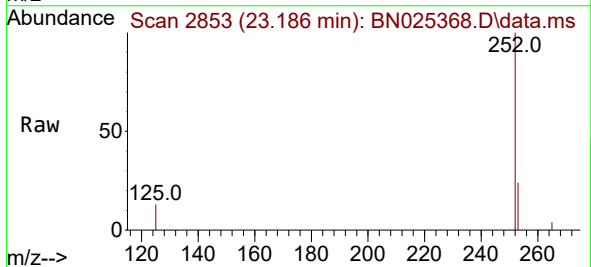
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL

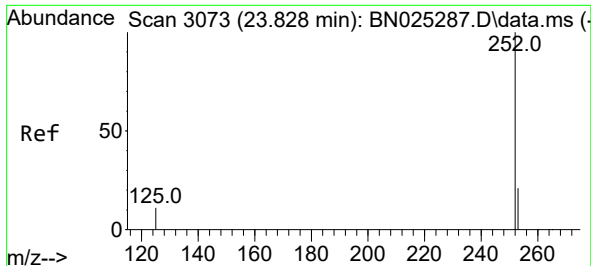
Tgt Ion:276 Resp: 60796
Ion Ratio Lower Upper
276 100
138 23.9 22.5 33.7
277 24.6 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 2.060 ng
RT: 23.186 min Scan# 2853
Delta R.T. 0.015 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion:252 Resp: 162428
Ion Ratio Lower Upper
252 100
253 23.5 20.8 31.2
125 13.1 13.4 20.2#





#39

Benzo(a)pyrene

Concen: 0.892 ng

RT: 23.718 min Scan# 3073

Delta R.T. -0.093 min

Lab File: BN025368.D

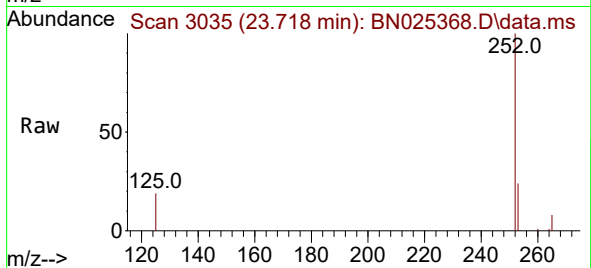
Acq: 09 May 2023 15:41

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023DL



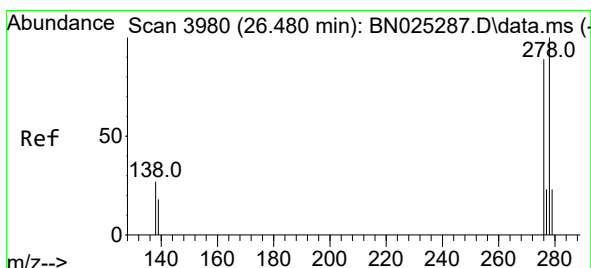
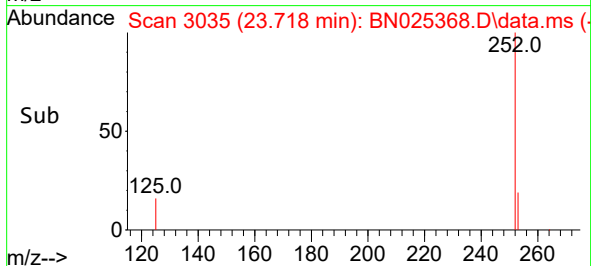
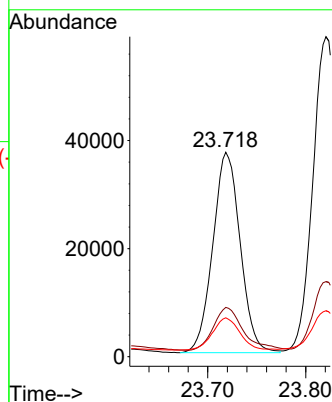
Tgt Ion:252 Resp: 72021

Ion Ratio Lower Upper

252 100

253 24.1 21.4 32.0

125 19.0 15.4 23.2



#40

Dibenzo(a,h)anthracene

Concen: 0.201 ng

RT: 26.467 min Scan# 3975

Delta R.T. -0.006 min

Lab File: BN025368.D

Acq: 09 May 2023 15:41

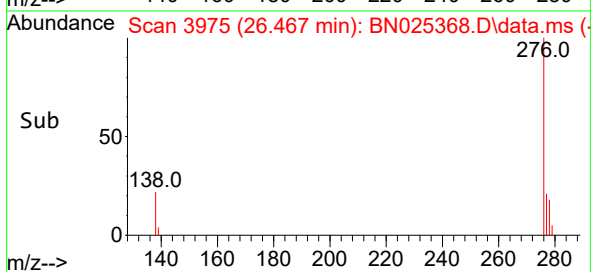
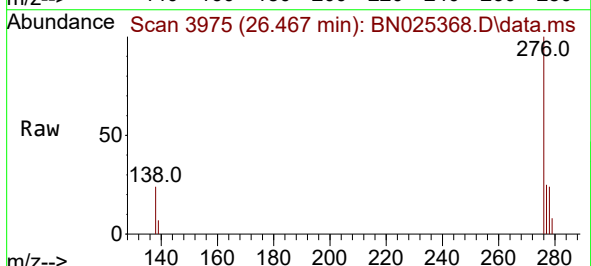
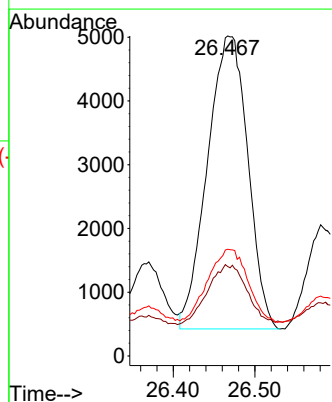
Tgt Ion:278 Resp: 15812

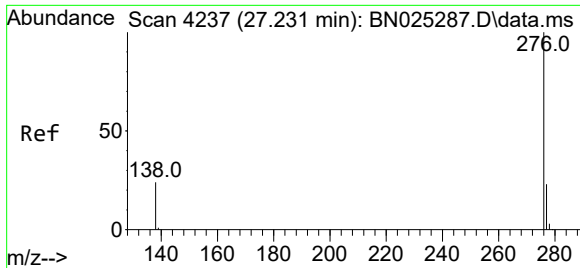
Ion Ratio Lower Upper

278 100

139 28.0 17.6 26.4#

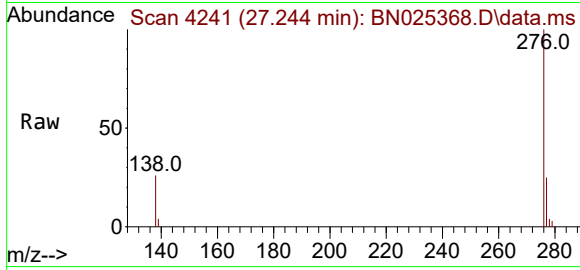
279 33.3 21.6 32.4#





#41
Benzo(g,h,i)perylene
Concen: 0.633 ng
RT: 27.244 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

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



Tgt Ion:276 Resp: 54784
Ion Ratio Lower Upper
276 100
277 25.1 20.1 30.1
138 25.5 21.0 31.6

