

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025334.D
 Acq On : 08 May 2023 15:57
 Operator : CG/JU
 Sample : 02588-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 50

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

Quant Time: May 09 04:02:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 18:27:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

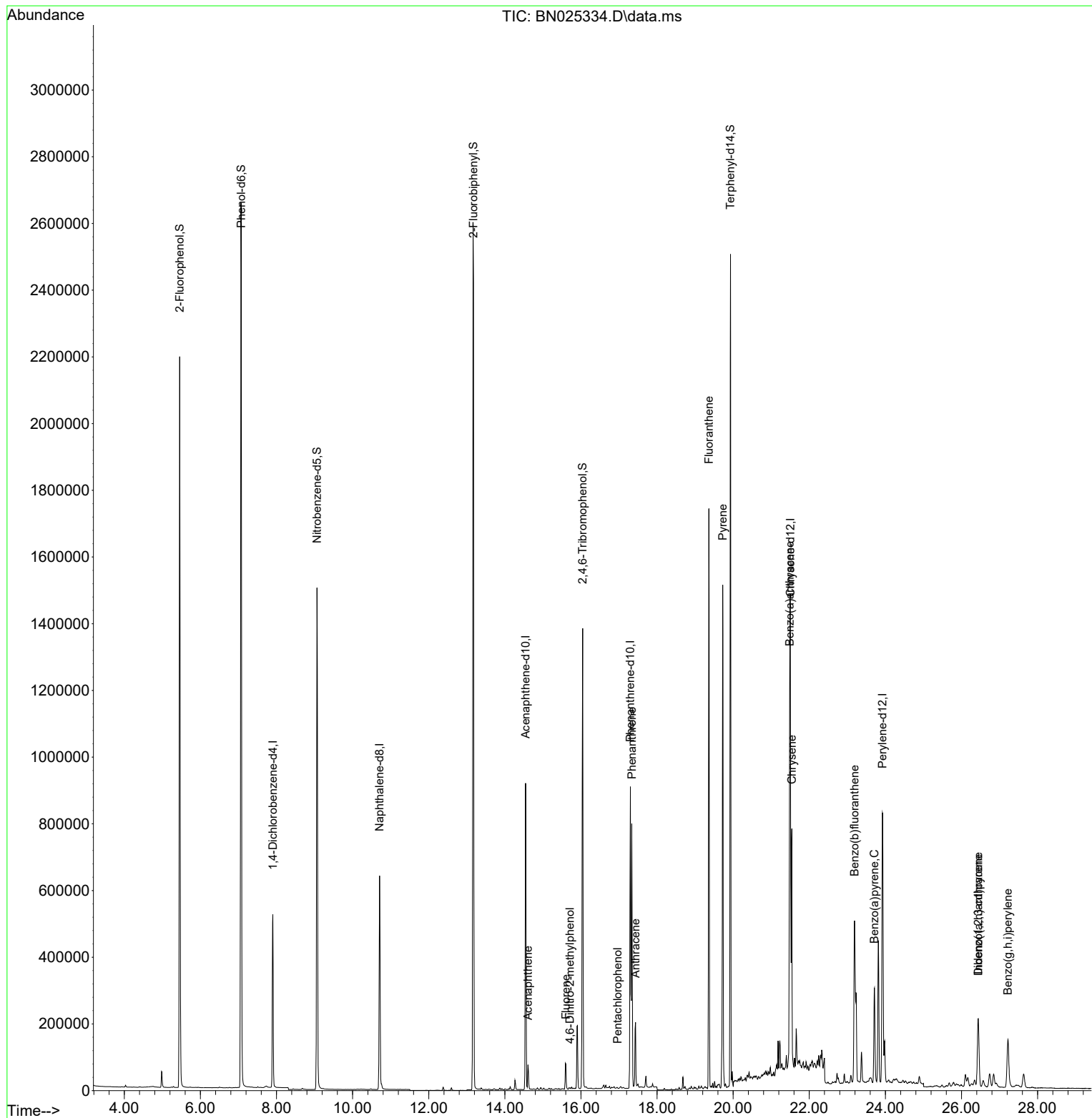
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	261092	20.000	ng	0.00
7) Naphthalene-d8	10.707	136	825842	20.000	ng	-0.01
13) Acenaphthene-d10	14.544	164	506652	20.000	ng	0.00
19) Phenanthrene-d10	17.298	188	1161534	20.000	ng	0.00
29) Chrysene-d12	21.504	240	1125922	20.000	ng	# 0.00
35) Perylene-d12	23.923	264	1177992	20.000	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.455	112	1635326	128.662	ng	0.00
5) Phenol-d6	7.073	99	2298807	144.137	ng	0.00
8) Nitrobenzene-d5	9.063	82	1152924	84.864	ng	-0.02
11) 2-Methylnaphthalene-d10	12.268	152	45	0.002	ng	-0.04
14) 2,4,6-Tribromophenol	16.045	330	755317	145.809	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	2366083	68.090	ng	0.00
27) Fluoranthene-d10	19.283	212	3233	0.056	ng	-0.05
31) Terphenyl-d14	19.928	244	3083692	67.917	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.326	93	309	0.022	ng	# 59
9) Naphthalene	10.760	128	15406	0.364	ng	99
12) 2-Methylnaphthalene	12.377	142	7789	0.260	ng	98
16) Acenaphthylene	14.266	152	32562	0.718	ng	99
17) Acenaphthene	14.608	154	30541	1.082	ng	# 76
18) Fluorene	15.603	166	54148	1.400	ng	99
20) 4,6-Dinitro-2-methylph...	15.710	198	22	14.017	ng	# 1
24) Pentachlorophenol	16.963	266	82	13.326	ng	# 39
25) Phenanthrene	17.336	178	766210	11.921	ng	100
26) Anthracene	17.435	178	230550	3.829	ng	99
28) Fluoranthene	19.363	202	1518359	18.906	ng	99
30) Pyrene	19.726	202	1309846	17.015	ng	# 94
32) Benzo(a)anthracene	21.486	228	740347	9.727	ng	98
33) Chrysene	21.540	228	691008	9.121	ng	97
34) Bis(2-ethylhexyl)phtha...	21.396	149	35626	0.596	ng	93
36) Indeno(1,2,3-cd)pyrene	26.437	276	338633	3.585	ng	96
37) Benzo(b)fluoranthene	23.189	252	846075	11.329	ng	95
39) Benzo(a)pyrene	23.712	252	407054	5.320	ng	97
40) Dibenzo(a,h)anthracene	26.443	278	87347	1.171	ng	# 88
41) Benzo(g,h,i)perylene	27.221	276	319275	3.898	ng	99

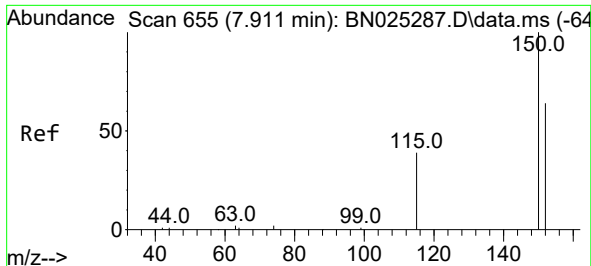
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
Data File : BN025334.D
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ALS Vial : 7 Sample Multiplier: 50

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

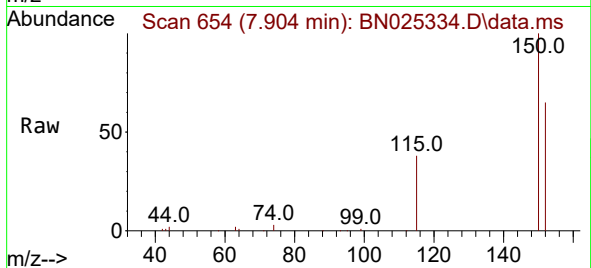
Quant Time: May 09 04:02:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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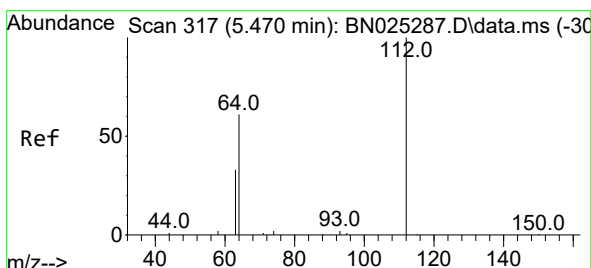
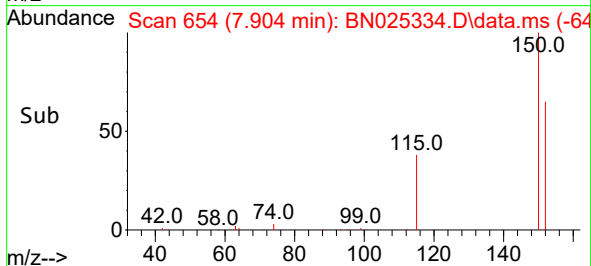
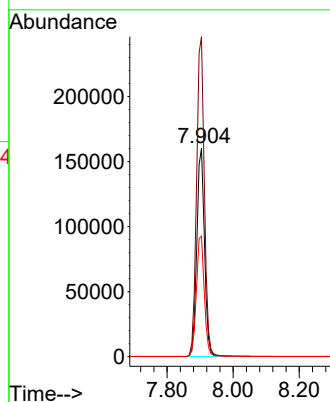


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

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

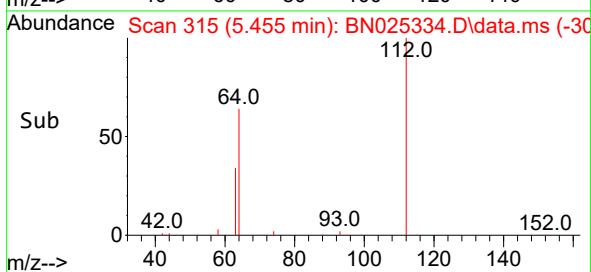
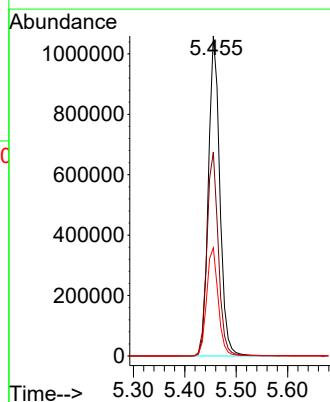
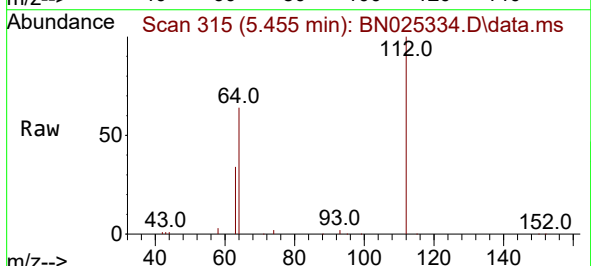


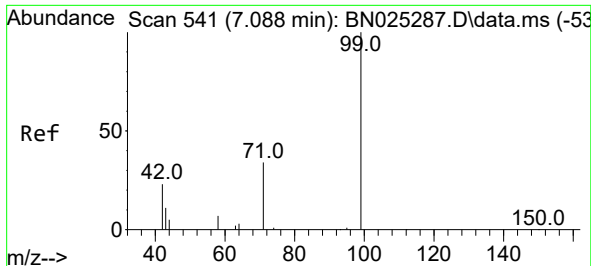
Tgt Ion:152 Resp: 261092
Ion Ratio Lower Upper
152 100
150 153.6 123.8 185.8
115 57.8 52.9 79.3



#4
2-Fluorophenol
Concen: 128.662 ng
RT: 5.455 min Scan# 315
Delta R.T. -0.007 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

Tgt Ion:112 Resp: 1635326
Ion Ratio Lower Upper
112 100
64 64.1 51.5 77.3
63 34.4 27.8 41.6

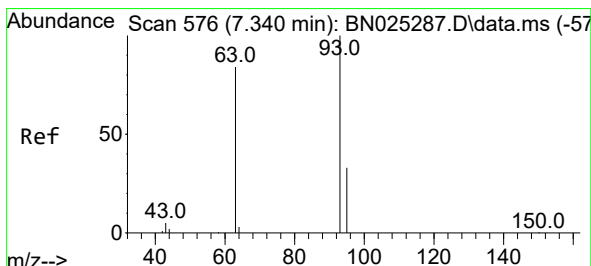
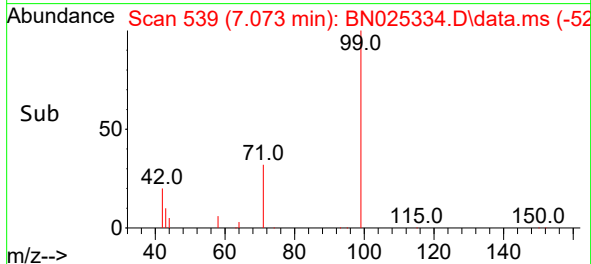
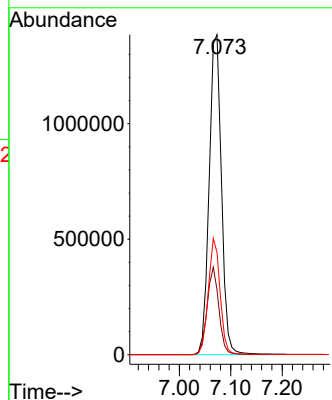
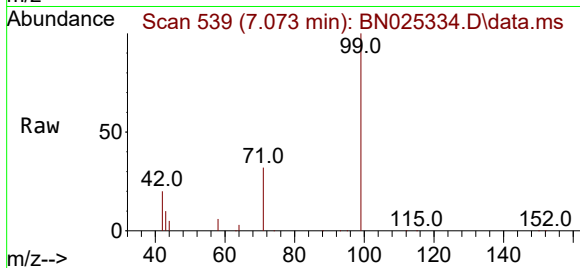




#5
Phenol-d6
Concen: 144.137 ng
RT: 7.073 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

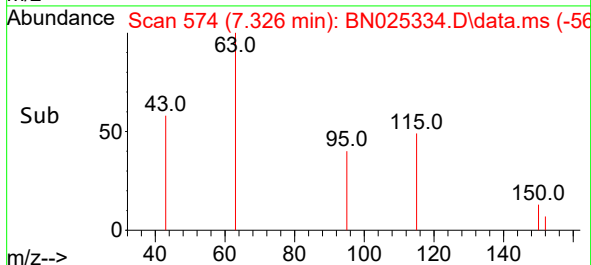
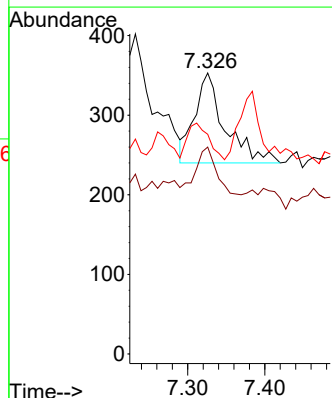
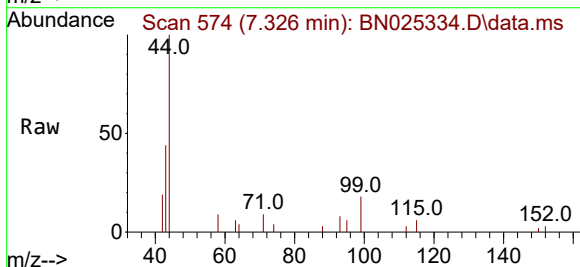
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

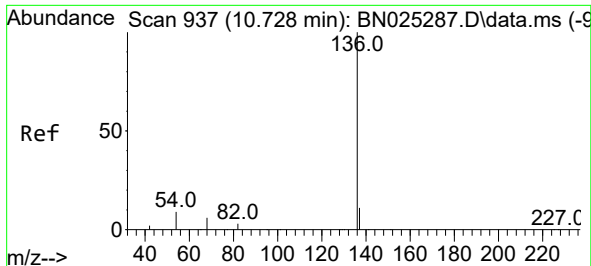
Tgt Ion: 99 Resp: 2298807
Ion Ratio Lower Upper
99 100
42 26.2 22.0 33.0
71 35.1 28.7 43.1



#6
bis(2-Chloroethyl)ether
Concen: 0.022 ng
RT: 7.326 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

Tgt Ion: 93 Resp: 309
Ion Ratio Lower Upper
93 100
63 35.3 67.8 101.6#
95 30.1 26.7 40.1

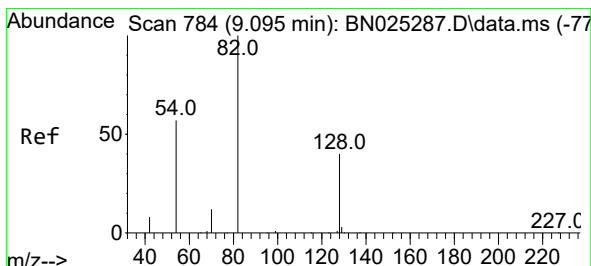
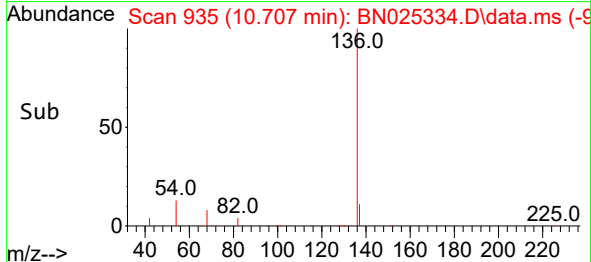
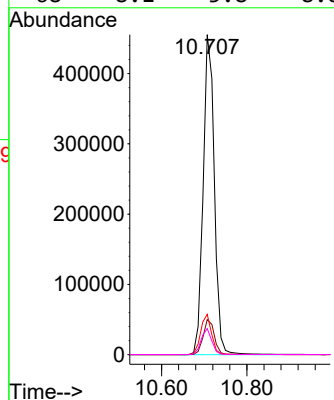
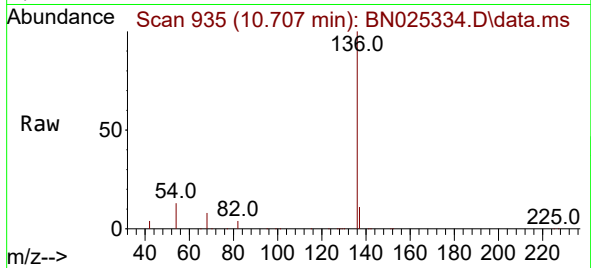




#7
Naphthalene-d8
Concen: 20.000 ng
RT: 10.707 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

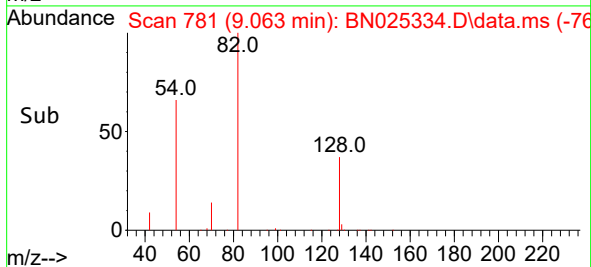
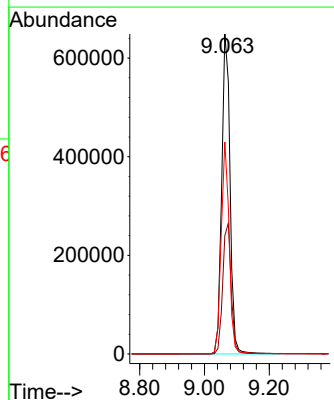
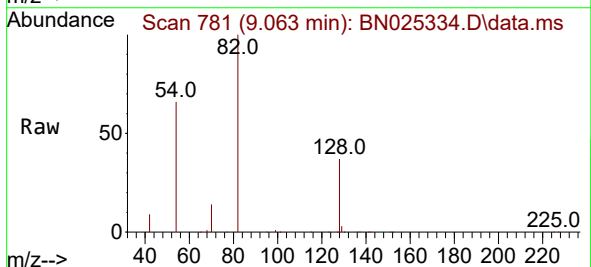
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

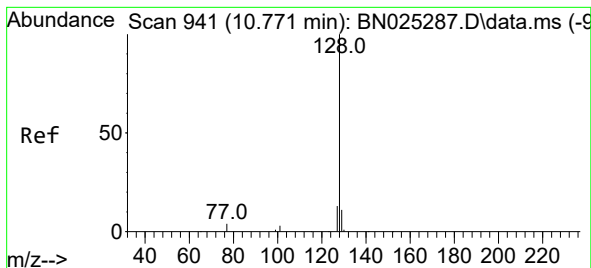
Tgt Ion:136 Resp: 825842
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.2
54 12.6 8.5 12.7
68 8.1 5.8 8.8



#8
Nitrobenzene-d5
Concen: 84.864 ng
RT: 9.063 min Scan# 781
Delta R.T. -0.022 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

Tgt Ion: 82 Resp: 1152924
Ion Ratio Lower Upper
82 100
128 37.0 35.3 52.9
54 66.2 48.7 73.1





#9

Naphthalene

Concen: 0.364 ng

RT: 10.760 min Scan# 941

Delta R.T. -0.000 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023

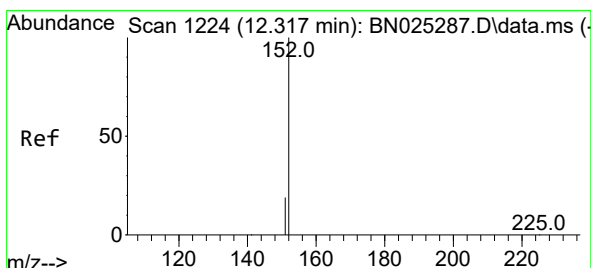
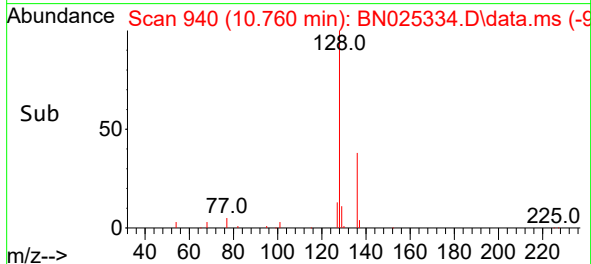
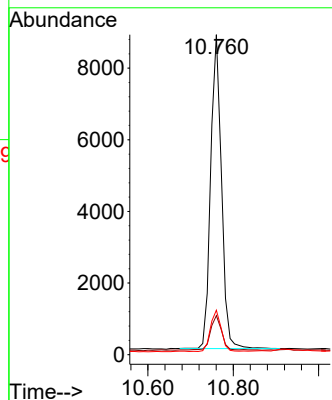
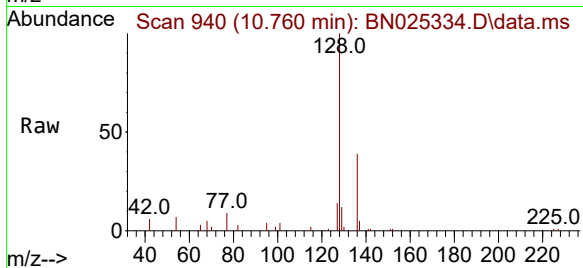
Tgt Ion:128 Resp: 15406

Ion Ratio Lower Upper

128 100

129 12.2 9.4 14.2

127 13.9 11.0 16.6



#11

2-Methylnaphthalene-d10

Concen: 0.002 ng

RT: 12.268 min Scan# 1211

Delta R.T. -0.038 min

Lab File: BN025334.D

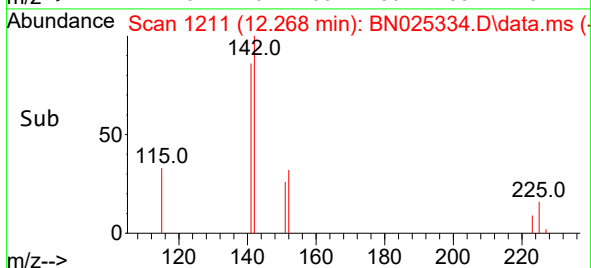
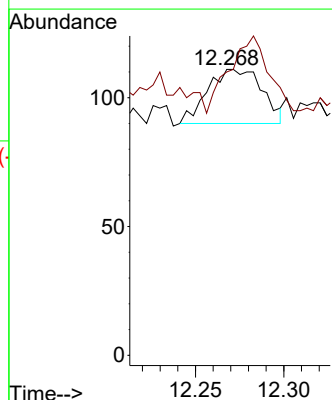
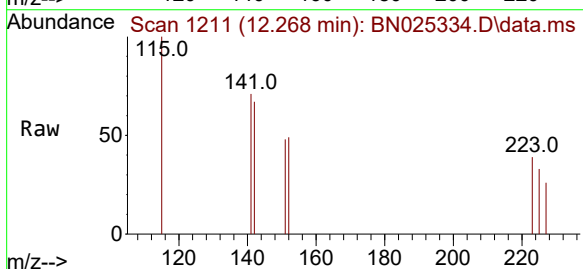
Acq: 08 May 2023 15:57

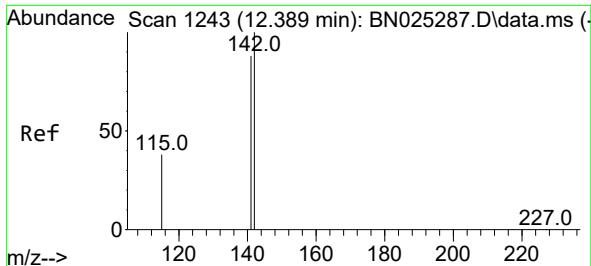
Tgt Ion:152 Resp: 45

Ion Ratio Lower Upper

152 100

151 104.4 16.4 24.6#





#12

2-Methylnaphthalene

Concen: 0.260 ng

RT: 12.377 min Scan# 11

Delta R.T. -0.004 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023

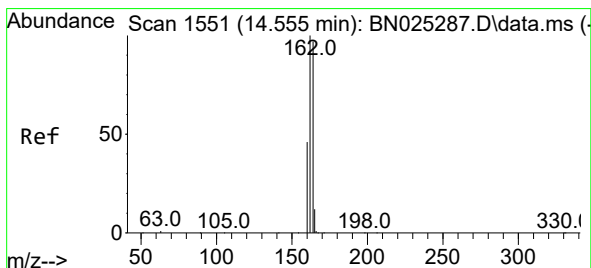
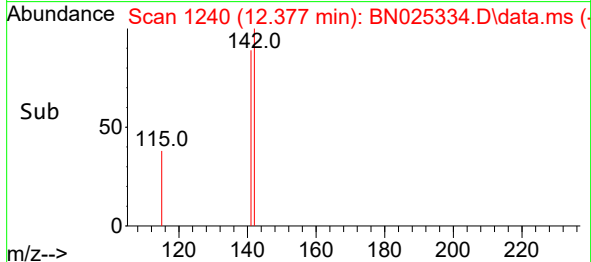
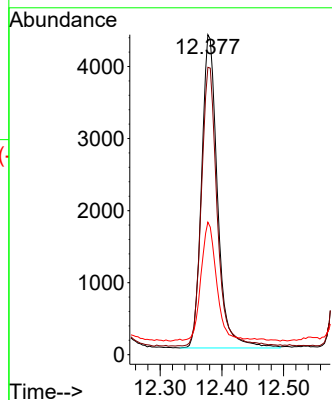
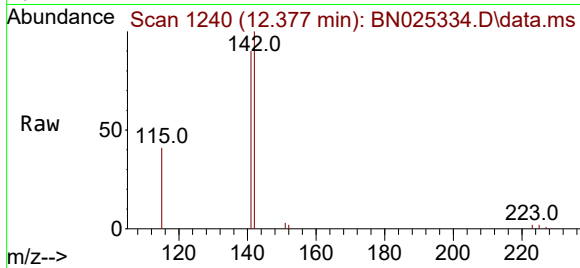
Tgt Ion:142 Resp: 7789

Ion Ratio Lower Upper

142 100

141 89.8 70.5 105.7

115 41.4 31.6 47.4



#13

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.544 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

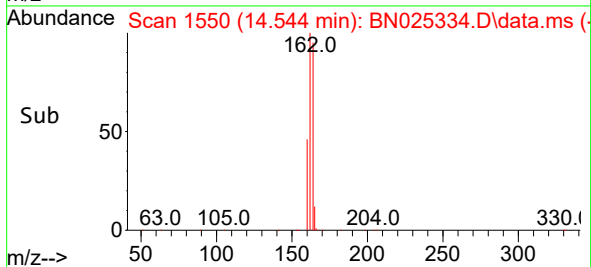
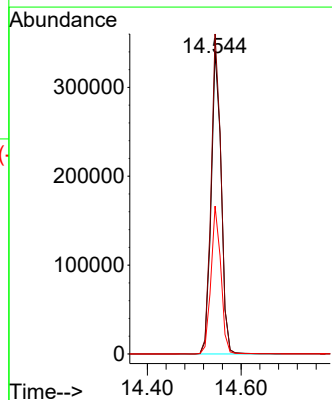
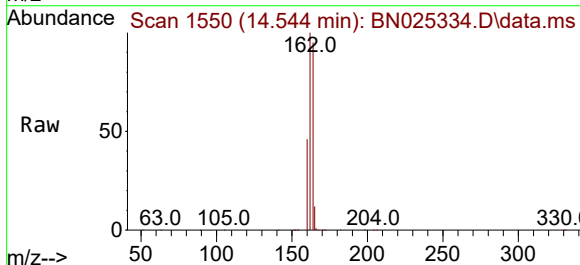
Tgt Ion:164 Resp: 506652

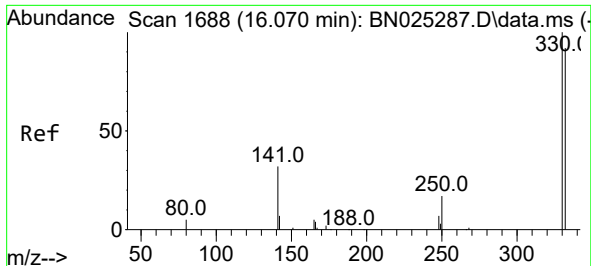
Ion Ratio Lower Upper

164 100

162 105.6 82.1 123.1

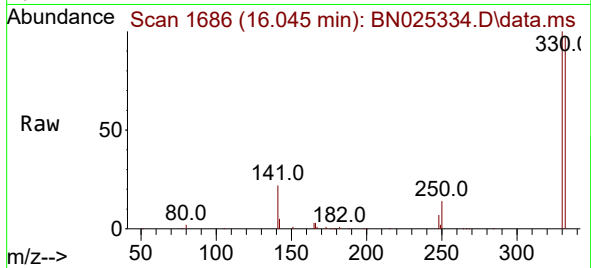
160 48.8 38.3 57.5



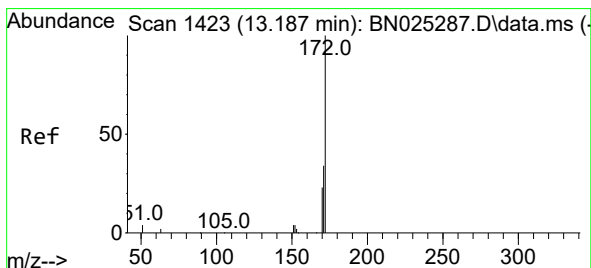
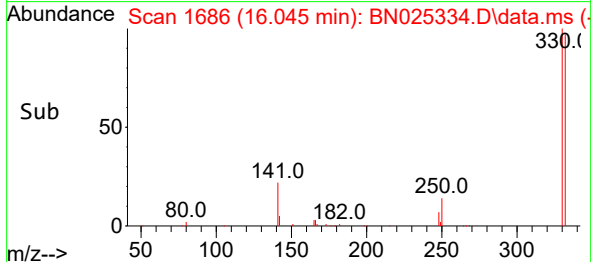
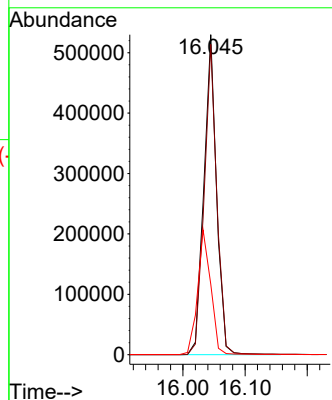


#14
2,4,6-Tribromophenol
Concen: 145.809 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.013 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

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

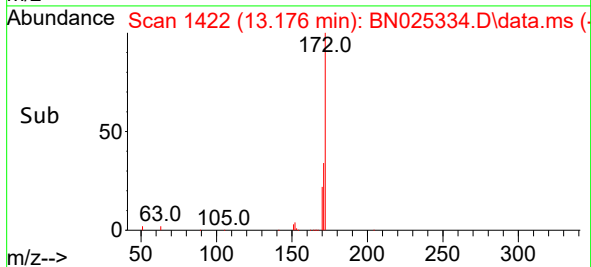
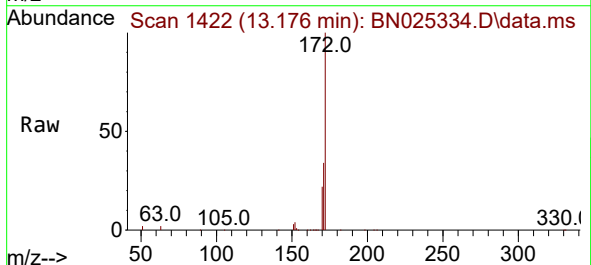
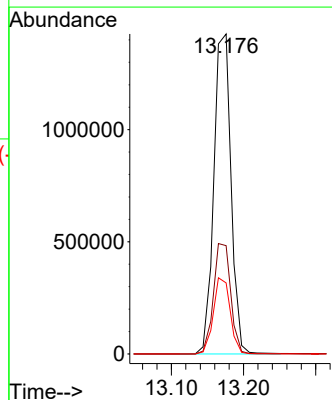


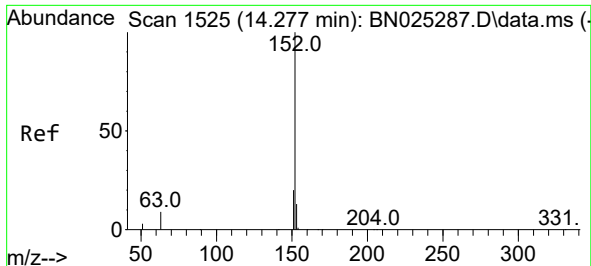
Tgt Ion:330 Resp: 755317
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 40.0 28.9 43.3



#15
2-Fluorobiphenyl
Concen: 68.090 ng
RT: 13.176 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

Tgt Ion:172 Resp: 2366083
Ion Ratio Lower Upper
172 100
171 33.8 27.9 41.9
170 22.2 19.0 28.4

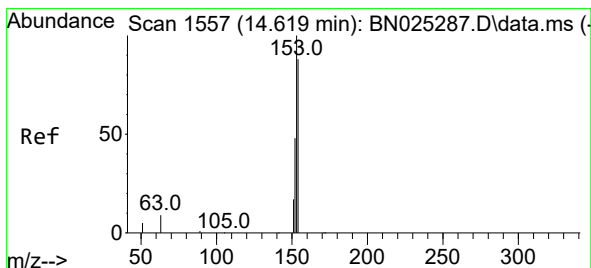
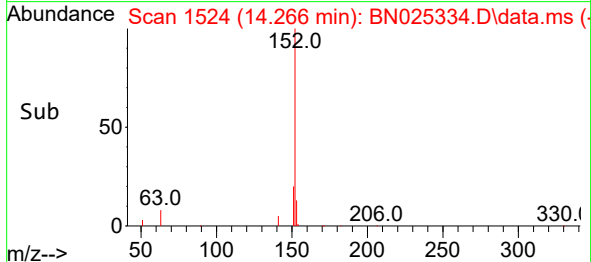
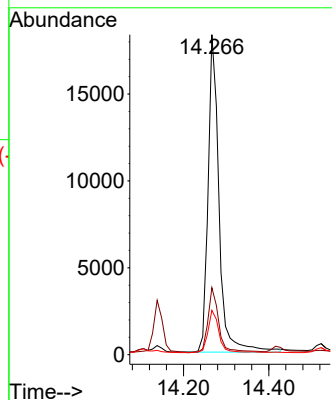
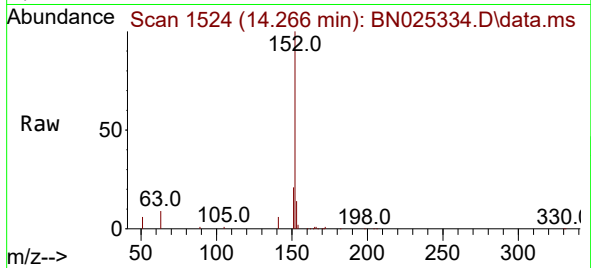




#16
Acenaphthylene
Concen: 0.718 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

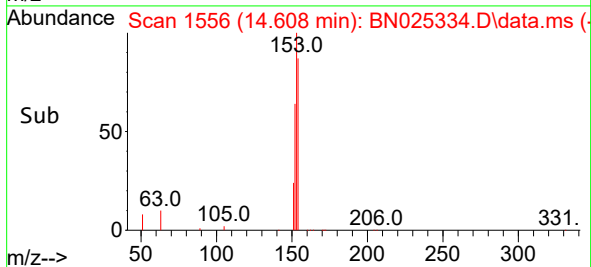
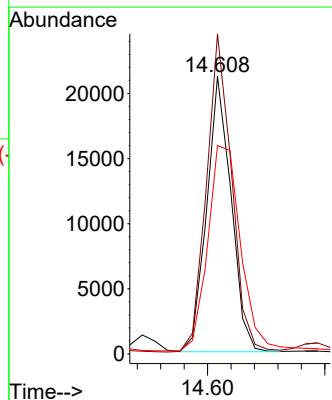
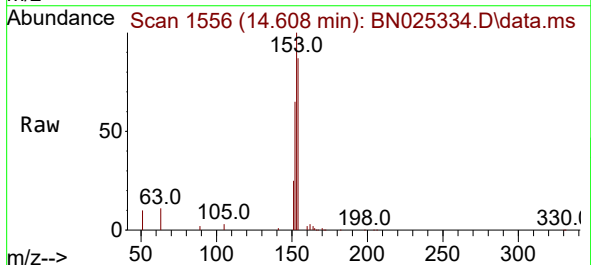
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

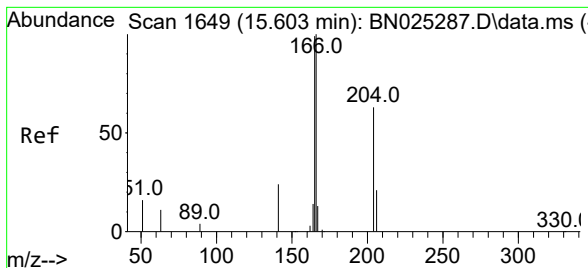
Tgt Ion:152 Resp: 32562
Ion Ratio Lower Upper
152 100
151 19.6 16.1 24.1
153 13.7 10.3 15.5



#17
Acenaphthene
Concen: 1.082 ng
RT: 14.608 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

Tgt Ion:154 Resp: 30541
Ion Ratio Lower Upper
154 100
153 119.2 91.3 136.9
152 102.0 44.7 67.1#





#18

Fluorene

Concen: 1.400 ng

RT: 15.603 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN025334.D

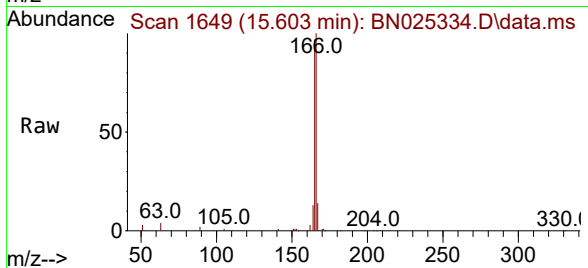
Acq: 08 May 2023 15:57

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023



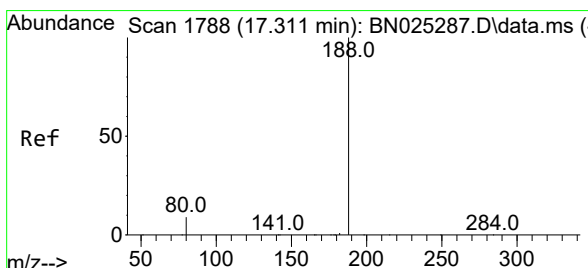
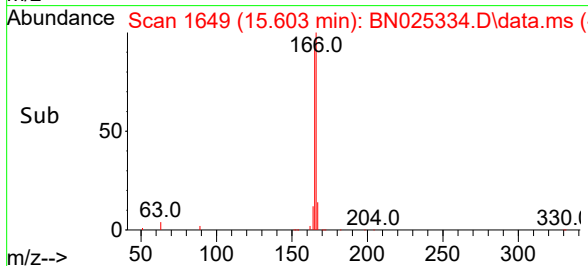
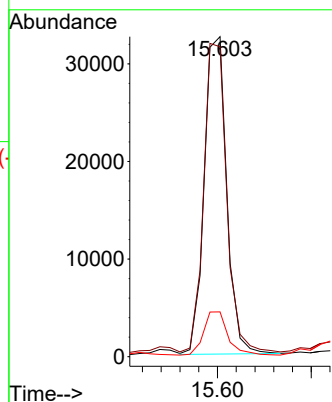
Tgt Ion:166 Resp: 54148

Ion Ratio Lower Upper

166 100

165 98.6 79.0 118.4

167 14.8 10.3 15.5



#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 1787

Delta R.T. -0.000 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

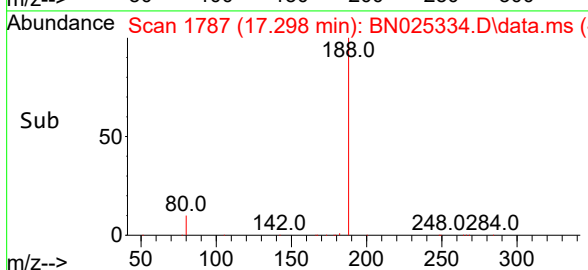
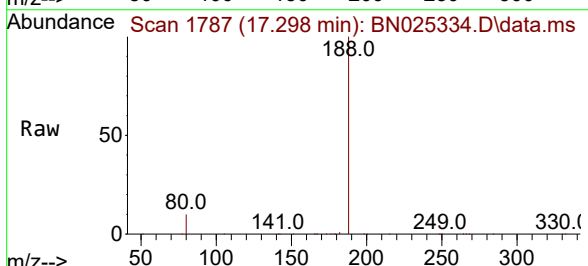
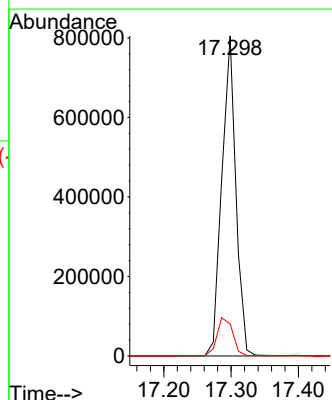
Tgt Ion:188 Resp: 1161534

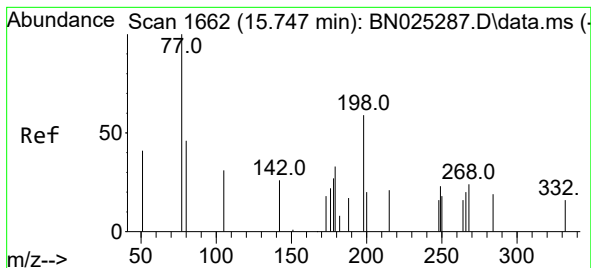
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.1 8.0 12.0

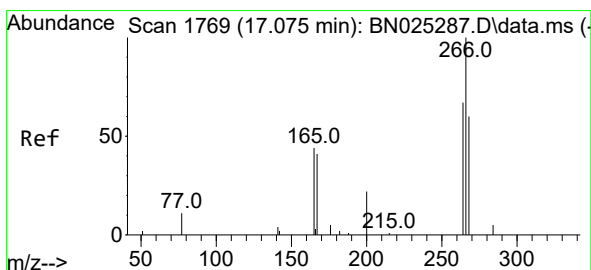
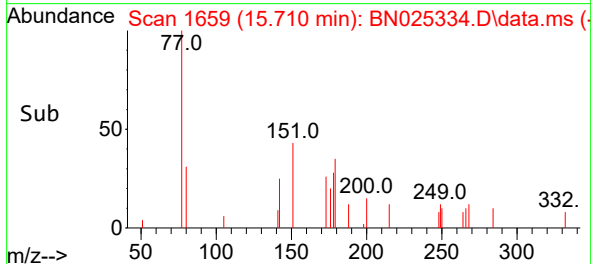
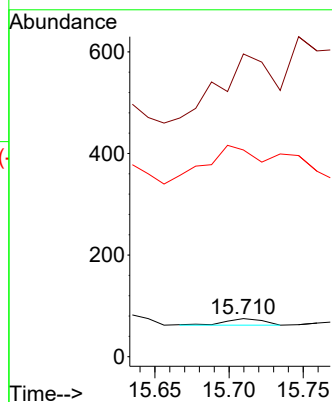
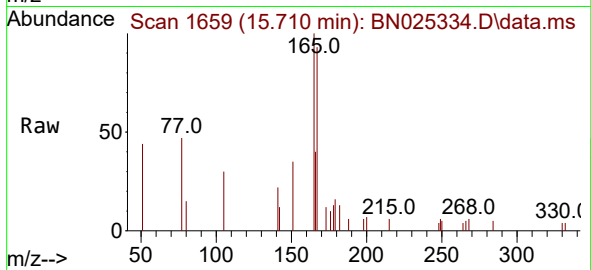




#20
4,6-Dinitro-2-methylphenol
Concen: 14.017 ng
RT: 15.710 min Scan# 1659
Delta R.T. -0.000 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

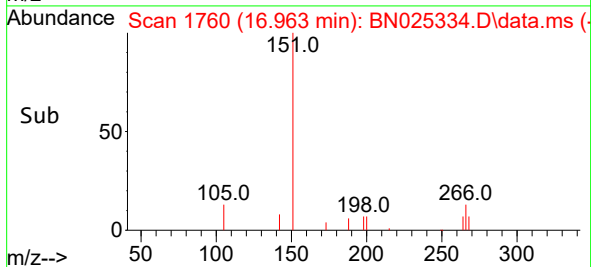
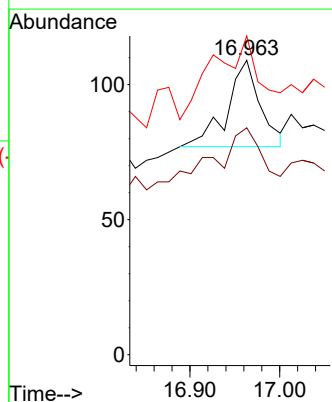
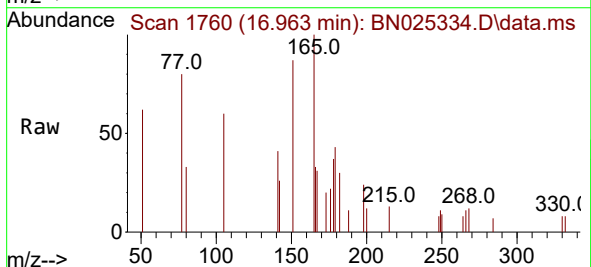
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

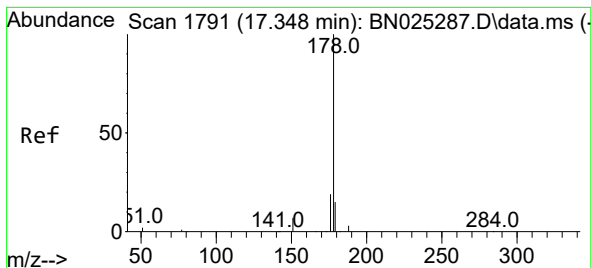
Tgt Ion:198 Resp: 22
Ion Ratio Lower Upper
198 100
51 794.7 162.1 243.1#
105 542.7 83.1 124.7#



#24
Pentachlorophenol
Concen: 13.326 ng
RT: 16.963 min Scan# 1760
Delta R.T. -0.000 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

Tgt Ion:266 Resp: 82
Ion Ratio Lower Upper
266 100
264 61.0 43.0 64.4
268 140.2 47.4 71.2#





#25

Phenanthrene

Concen: 11.921 ng

RT: 17.336 min Scan# 1790

Delta R.T. -0.000 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023

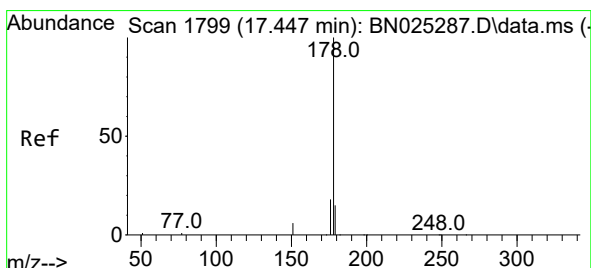
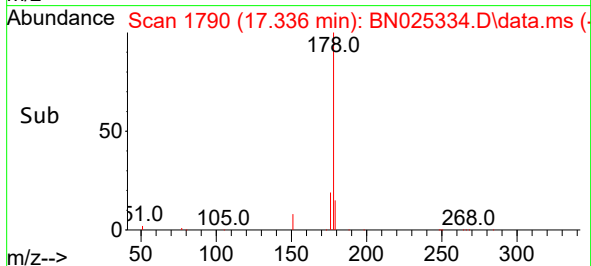
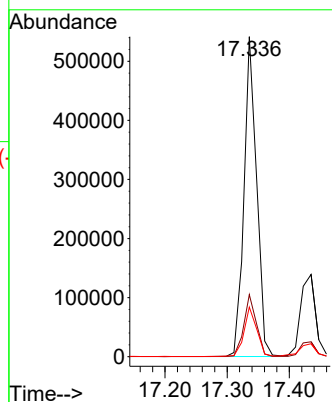
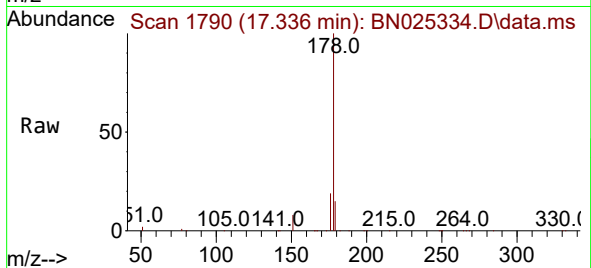
Tgt Ion:178 Resp: 766210

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.6 12.4 18.6



#26

Anthracene

Concen: 3.829 ng

RT: 17.435 min Scan# 1798

Delta R.T. -0.000 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

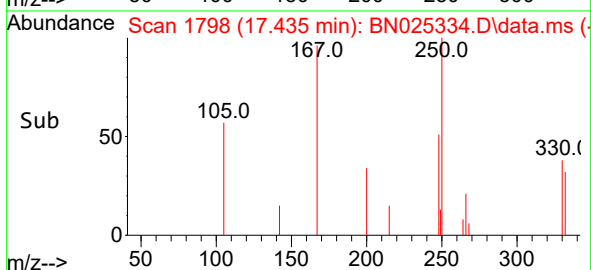
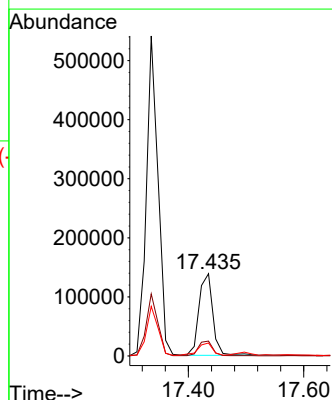
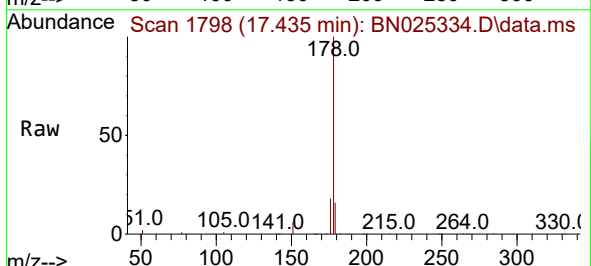
Tgt Ion:178 Resp: 230550

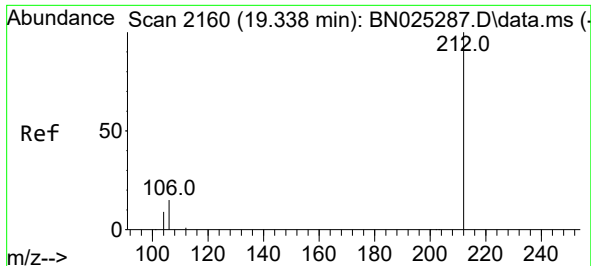
Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 15.8 12.0 18.0

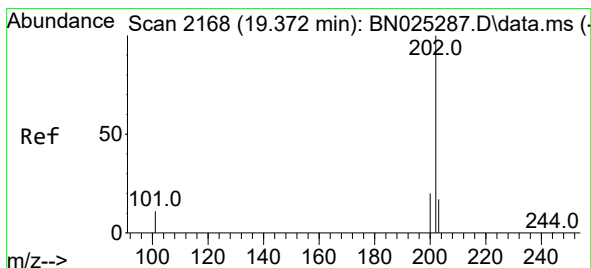
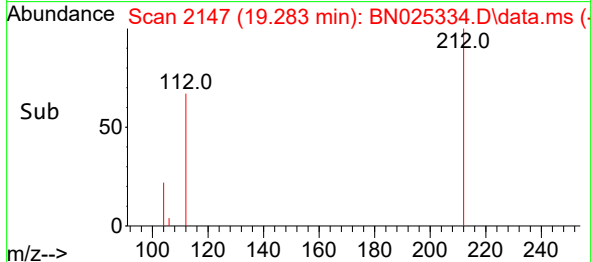
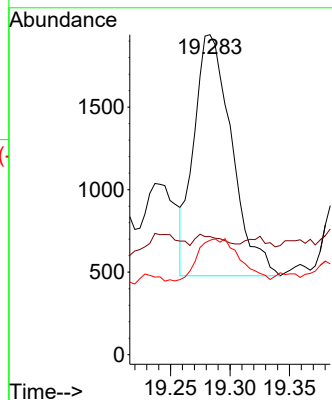
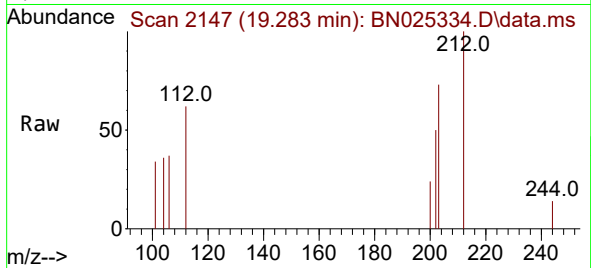




#27
Fluoranthene-d10
Concen: 0.056 ng
RT: 19.283 min Scan# 2160
Delta R.T. -0.051 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

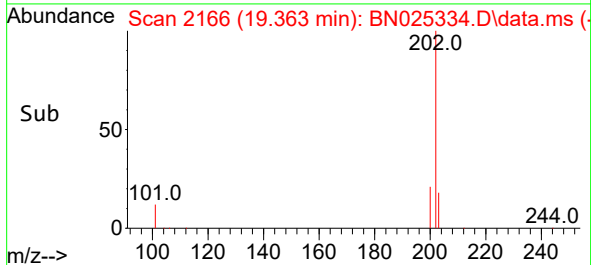
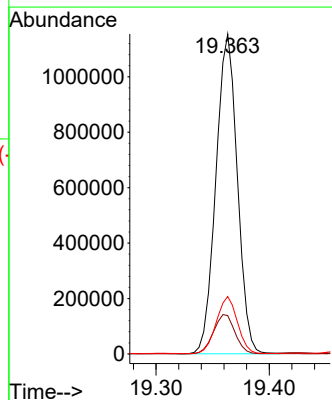
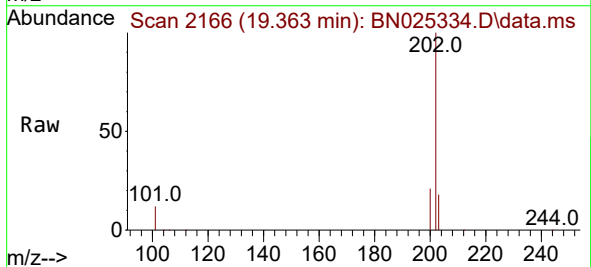
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

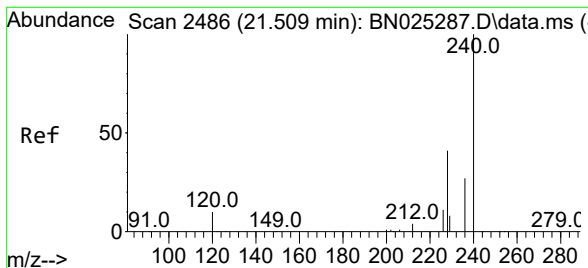
Tgt Ion:212 Resp: 3233
Ion Ratio Lower Upper
212 100
106 2.8 12.6 19.0#
104 0.0 7.0 10.6#



#28
Fluoranthene
Concen: 18.906 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

Tgt Ion:202 Resp: 1518359
Ion Ratio Lower Upper
202 100
101 12.4 9.8 14.8
203 17.5 13.5 20.3





#29

Chrysene-d12

Concen: 20.000 ng

RT: 21.504 min Scan# 2486

Delta R.T. 0.004 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023

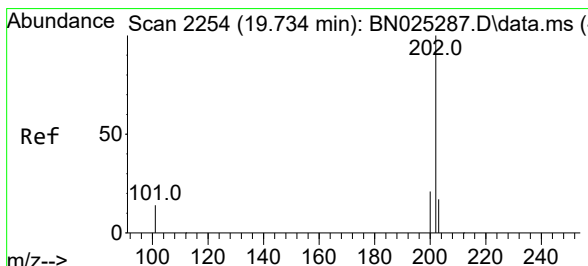
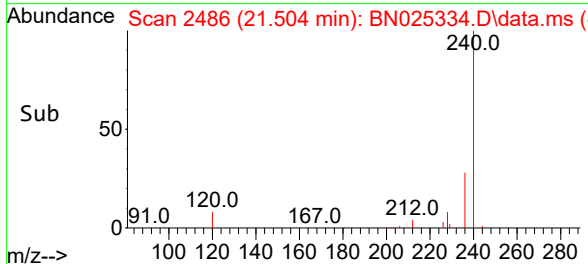
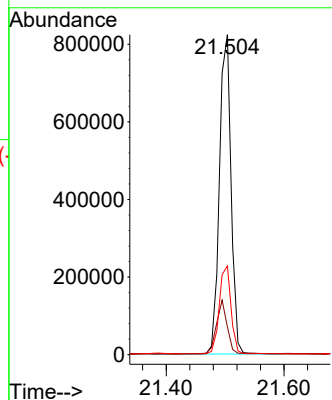
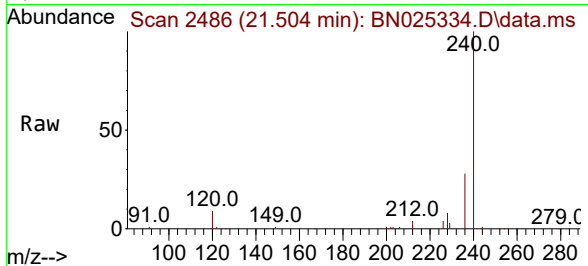
Tgt Ion:240 Resp: 1125922

Ion Ratio Lower Upper

240 100

120 8.7 10.3 15.5#

236 27.7 22.3 33.5



#30

Pyrene

Concen: 17.015 ng

RT: 19.726 min Scan# 2252

Delta R.T. -0.004 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

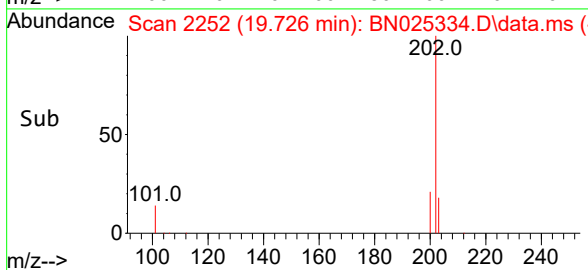
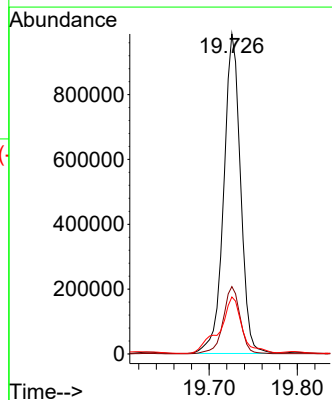
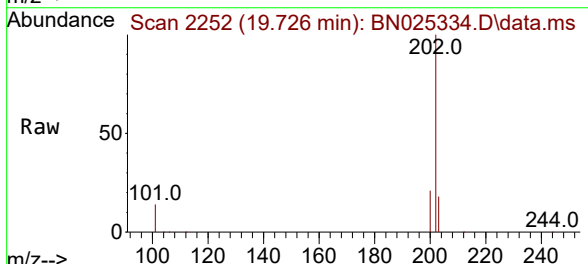
Tgt Ion:202 Resp: 1309846

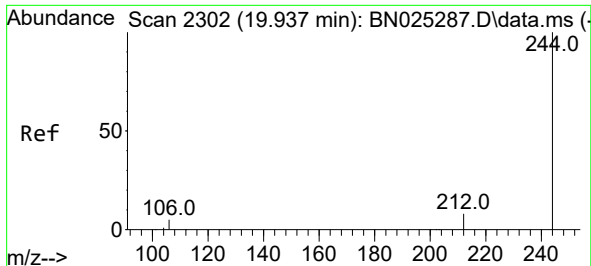
Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

203 23.5 14.4 21.6#

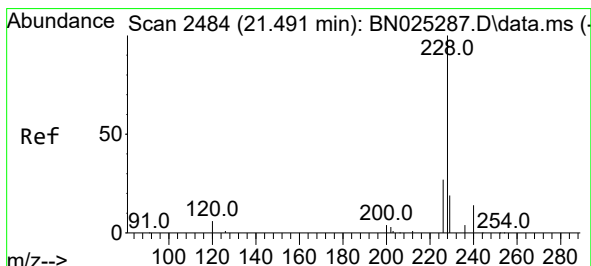
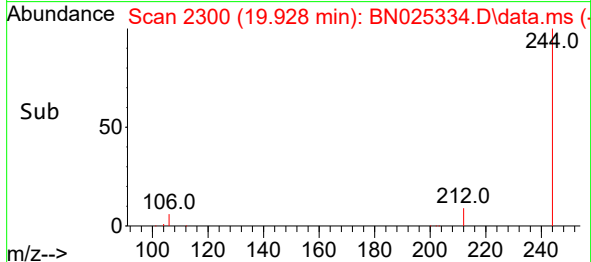
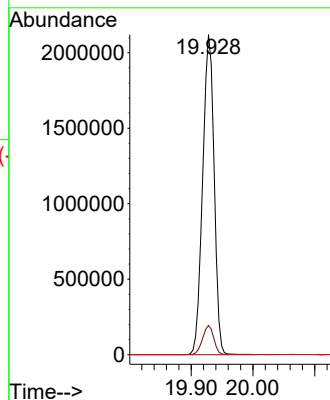
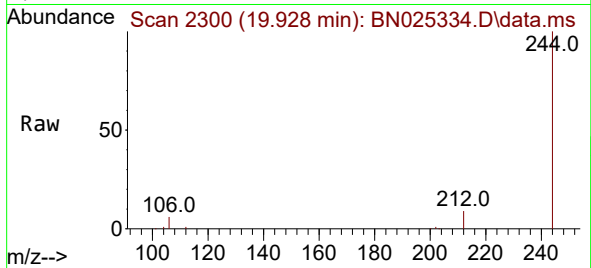




#31
Terphenyl-d14
Concen: 67.917 ng
RT: 19.928 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

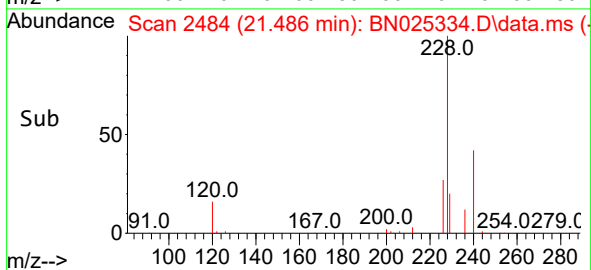
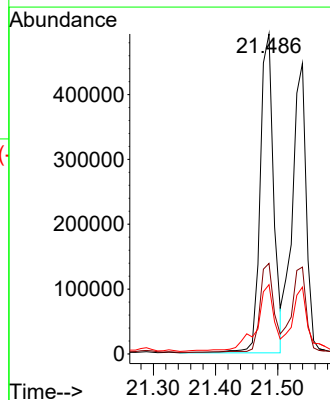
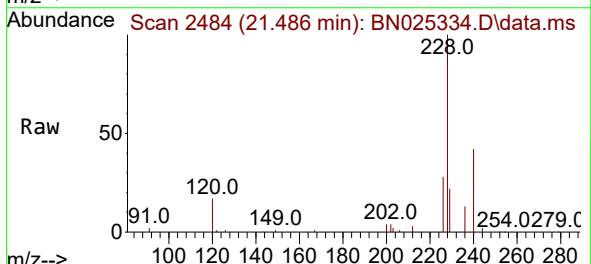
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

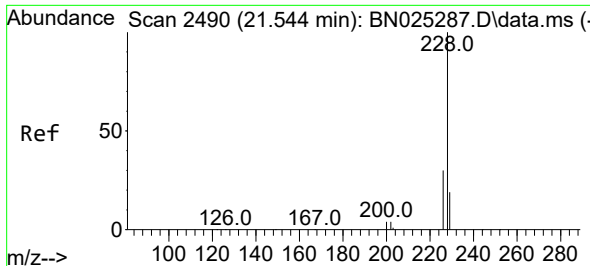
Tgt Ion:244 Resp: 3083692
Ion Ratio Lower Upper
244 100
212 9.2 7.1 10.7
122 0.0 0.0 0.0



#32
Benzo(a)anthracene
Concen: 9.727 ng
RT: 21.486 min Scan# 2484
Delta R.T. 0.004 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

Tgt Ion:228 Resp: 740347
Ion Ratio Lower Upper
228 100
226 28.3 22.5 33.7
229 21.6 16.2 24.2





#33

Chrysene

Concen: 9.121 ng

RT: 21.540 min Scan# 2490

Delta R.T. 0.004 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023

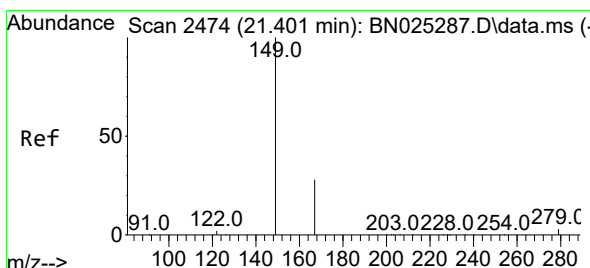
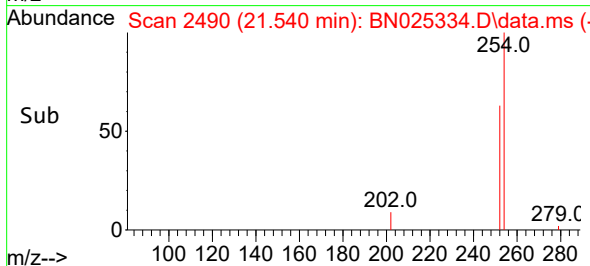
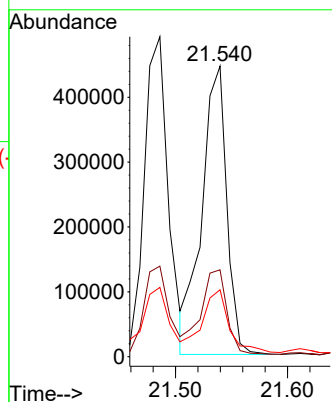
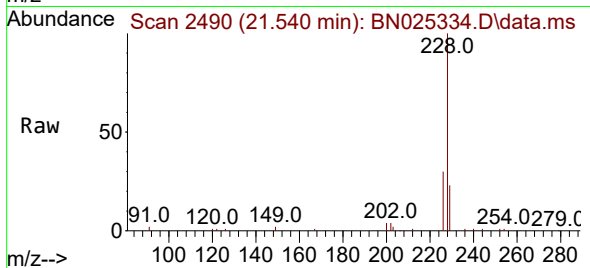
Tgt Ion:228 Resp: 691008

Ion Ratio Lower Upper

228 100

226 29.9 24.6 36.8

229 23.0 16.2 24.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.596 ng

RT: 21.396 min Scan# 2474

Delta R.T. 0.004 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

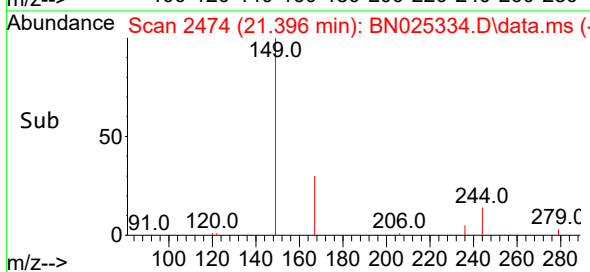
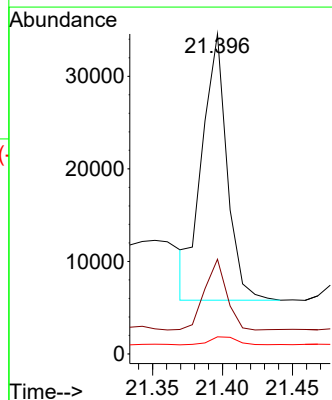
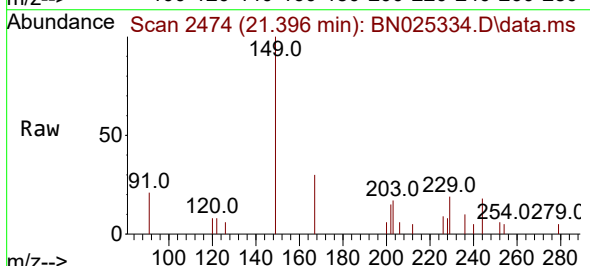
Tgt Ion:149 Resp: 35626

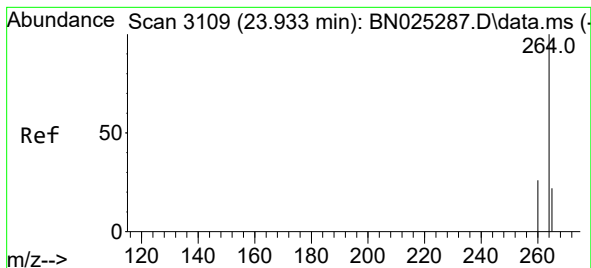
Ion Ratio Lower Upper

149 100

167 23.5 22.2 33.4

279 3.4 2.6 4.0





#35

Perylene-d12

Concen: 20.000 ng

RT: 23.923 min Scan# 3105

Delta R.T. -0.008 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023

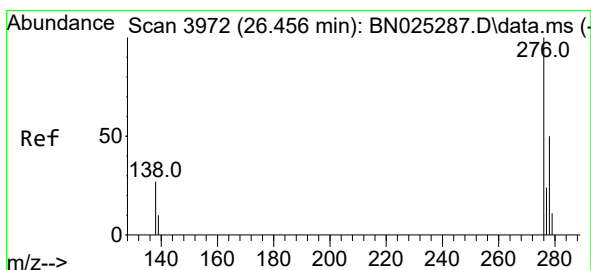
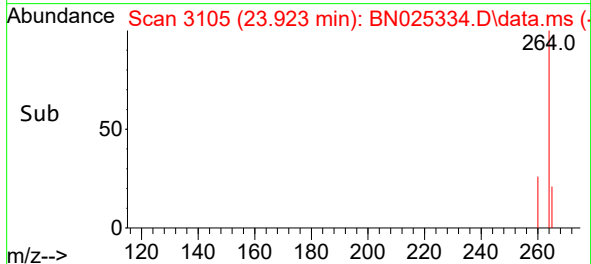
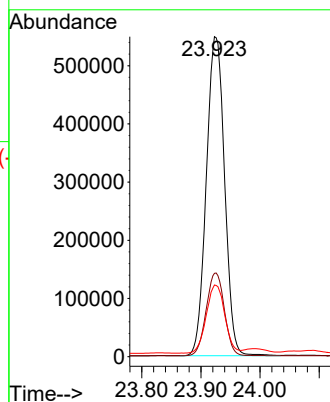
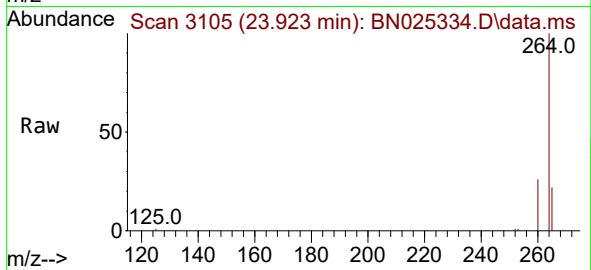
Tgt Ion:264 Resp: 1177992

Ion Ratio Lower Upper

264 100

260 26.1 21.5 32.3

265 22.4 46.2 69.4#



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.585 ng

RT: 26.437 min Scan# 3965

Delta R.T. -0.011 min

Lab File: BN025334.D

Acq: 08 May 2023 15:57

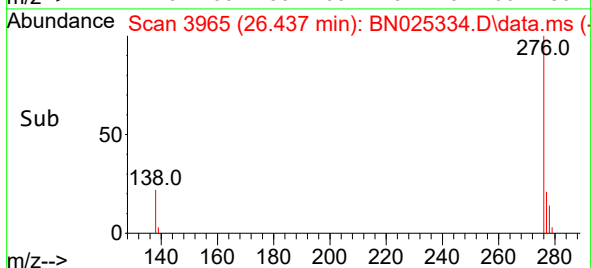
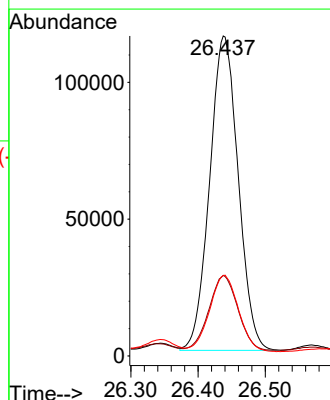
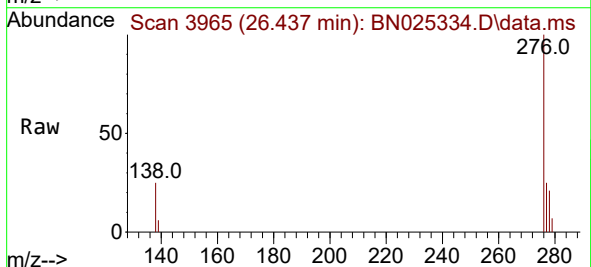
Tgt Ion:276 Resp: 338633

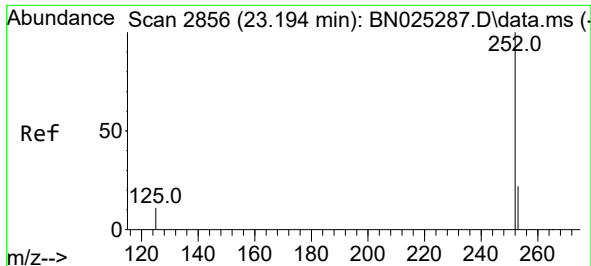
Ion Ratio Lower Upper

276 100

138 24.0 22.5 33.7

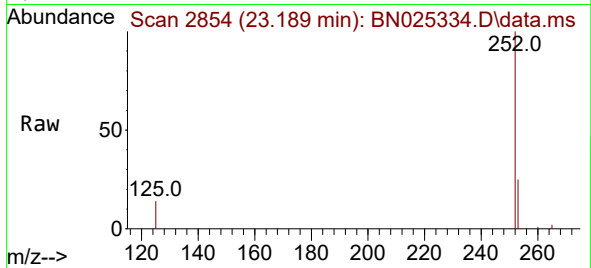
277 24.8 19.8 29.6



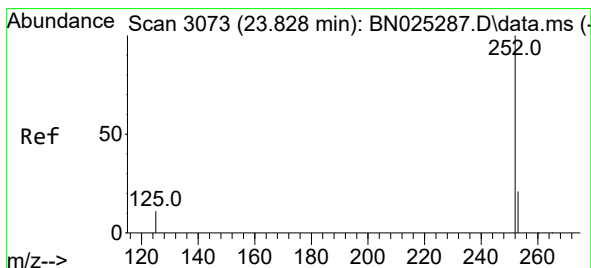
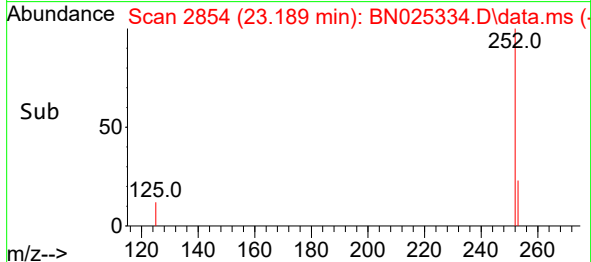
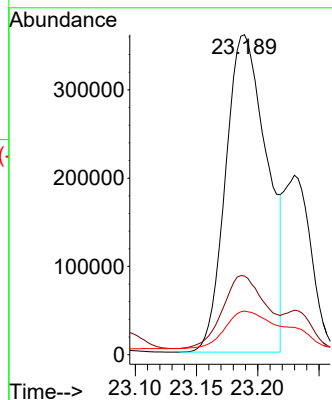


#37
Benzo(b)fluoranthene
Concen: 11.329 ng
RT: 23.189 min Scan# 21
Delta R.T. 0.001 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

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

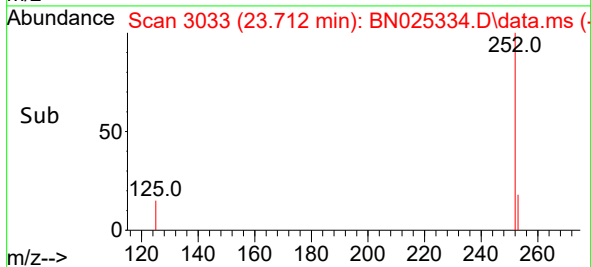
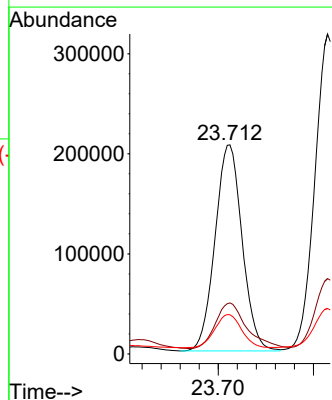
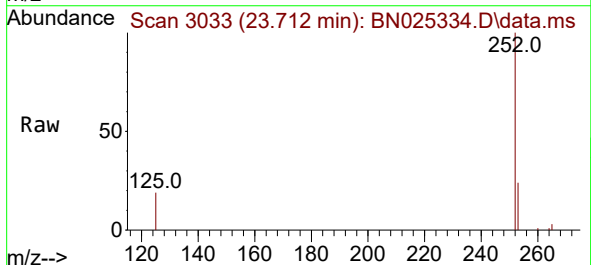


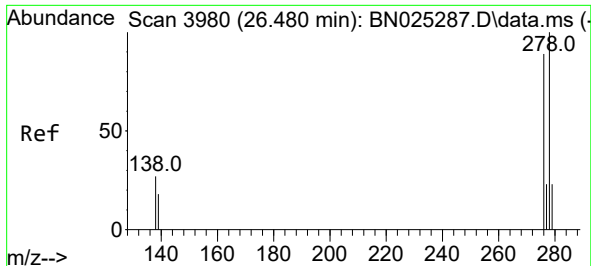
Tgt Ion:252 Resp: 846075
Ion Ratio Lower Upper
252 100
253 24.6 20.8 31.2
125 13.6 13.4 20.2



#39
Benzo(a)pyrene
Concen: 5.320 ng
RT: 23.712 min Scan# 3033
Delta R.T. -0.110 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

Tgt Ion:252 Resp: 407054
Ion Ratio Lower Upper
252 100
253 24.4 21.4 32.0
125 18.8 15.4 23.2

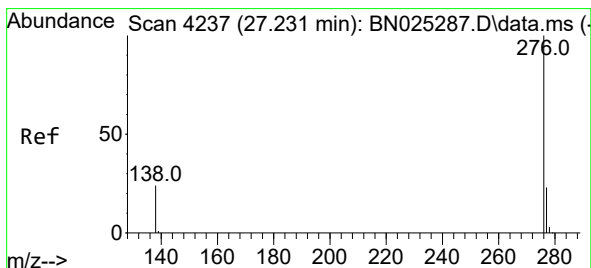
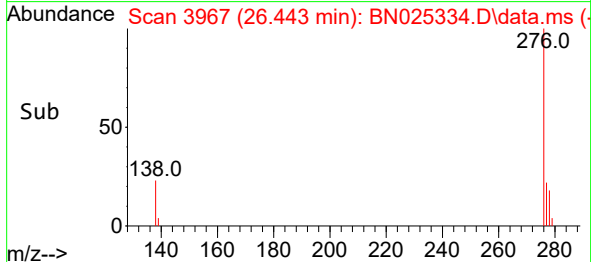
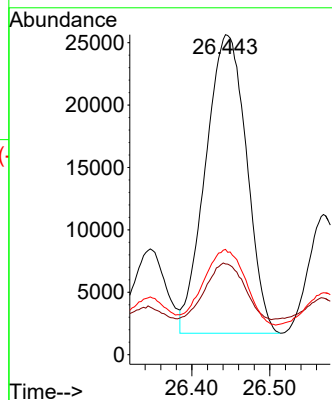
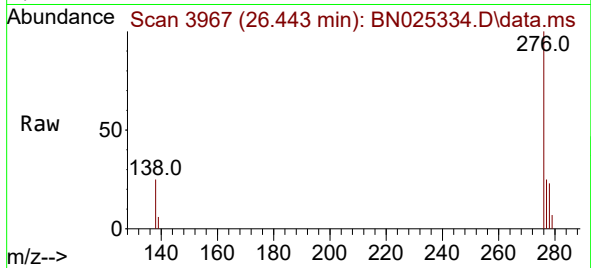




#40
Dibenzo(a,h)anthracene
Concen: 1.171 ng
RT: 26.443 min Scan# 3967
Delta R.T. -0.022 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

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

Tgt Ion:278 Resp: 87347
Ion Ratio Lower Upper
278 100
139 28.3 17.6 26.4#
279 32.9 21.6 32.4#



#41
Benzo(g,h,i)perylene
Concen: 3.898 ng
RT: 27.221 min Scan# 4233
Delta R.T. -0.008 min
Lab File: BN025334.D
Acq: 08 May 2023 15:57

Tgt Ion:276 Resp: 319275
Ion Ratio Lower Upper
276 100
277 25.1 20.1 30.1
138 25.6 21.0 31.6

