

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025338.D
 Acq On : 08 May 2023 18:21
 Operator : CG/JU
 Sample : 02588-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-A-3-6-05022023

Quant Time: May 09 04:03:22 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)

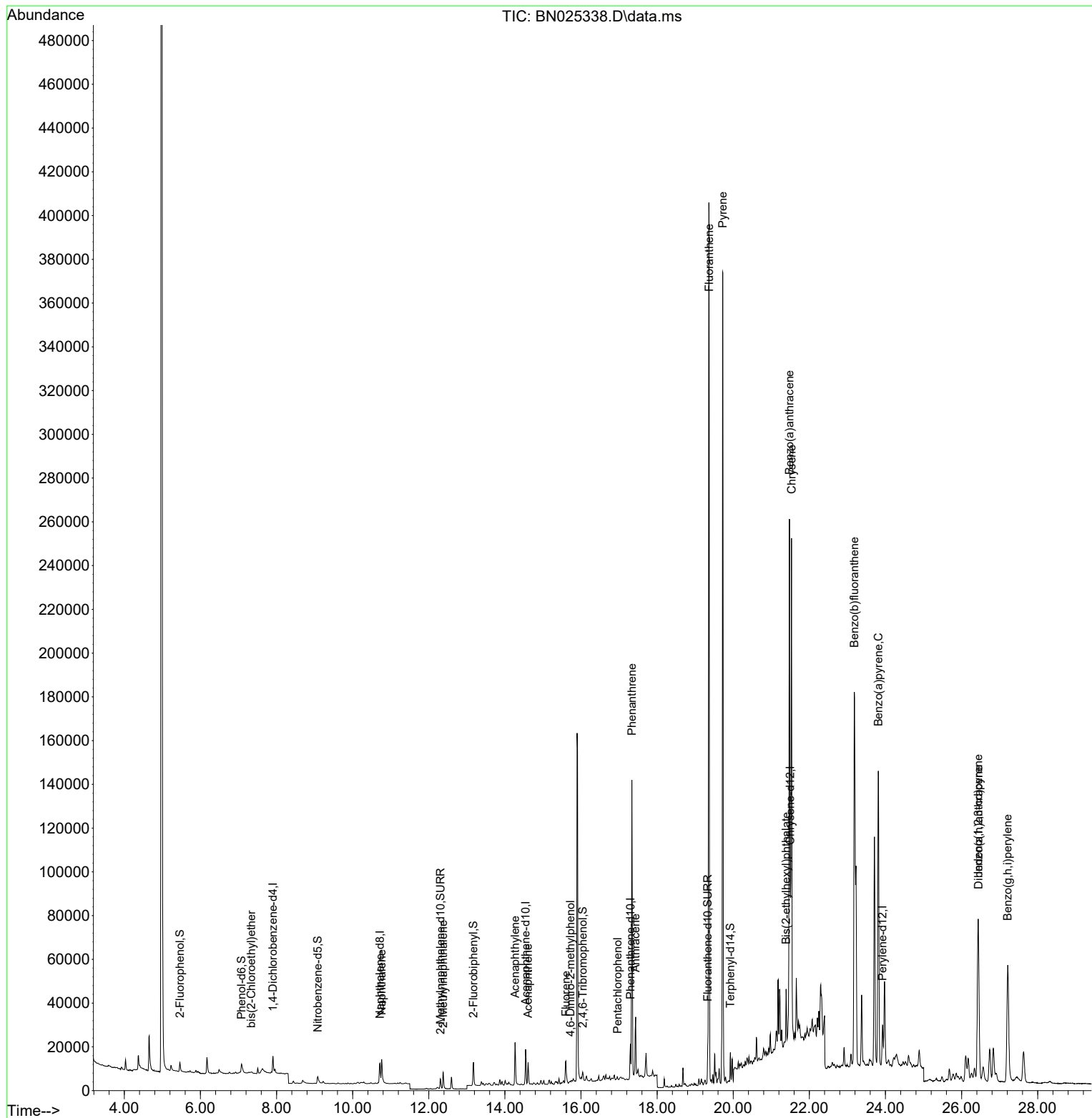
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	4573	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	14822	0.400	ng	0.00
13) Acenaphthene-d10	14.544	164	9404	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	21657	0.400	ng	0.00
29) Chrysene-d12	21.495	240	23678	0.400	ng	# 0.00
35) Perylene-d12	23.923	264	25806	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	4017	0.361	ng	0.00
5) Phenol-d6	7.081	99	5231	0.375	ng	0.00
8) Nitrobenzene-d5	9.084	82	3812	0.313	ng	0.00
11) 2-Methylnaphthalene-d10	12.306	152	7319	0.361	ng	0.00
14) 2,4,6-Tribromophenol	16.045	330	1645	0.342	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	10758	0.334	ng	0.00
27) Fluoranthene-d10	19.330	212	17968	0.335	ng	0.00
31) Terphenyl-d14	19.924	244	13660	0.286	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.333	93	299	0.024	ng	# 57
9) Naphthalene	10.761	128	15420	0.406	ng	99
12) 2-Methylnaphthalene	12.377	142	6272	0.233	ng	98
16) Acenaphthylene	14.266	152	23434	0.557	ng	100
17) Acenaphthene	14.609	154	5027	0.192	ng	99
18) Fluorene	15.603	166	8013	0.223	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.722	198	32	0.287	ng	# 1
24) Pentachlorophenol	16.963	266	55	0.277	ng	98
25) Phenanthrene	17.336	178	137494	2.295	ng	100
26) Anthracene	17.435	178	33513	0.597	ng	99
28) Fluoranthene	19.363	202	359299	4.799	ng	99
30) Pyrene	19.726	202	332151	4.103	ng	96
32) Benzo(a)anthracene	21.477	228	196018	2.449	ng	98
33) Chrysene	21.531	228	214181	2.689	ng	99
34) Bis(2-ethylhexyl)phtha...	21.388	149	21221	0.338	ng	98
36) Indeno(1,2,3-cd)pyrene	26.437	276	122986	1.189	ng	95
37) Benzo(b)fluoranthene	23.180	252	298832	3.653	ng	95
39) Benzo(a)pyrene	23.812	252	202834	2.420	ng	93
40) Dibenzo(a,h)anthracene	26.443	278	30853	0.378	ng	# 86
41) Benzo(g,h,i)perylene	27.212	276	117298	1.307	ng	98

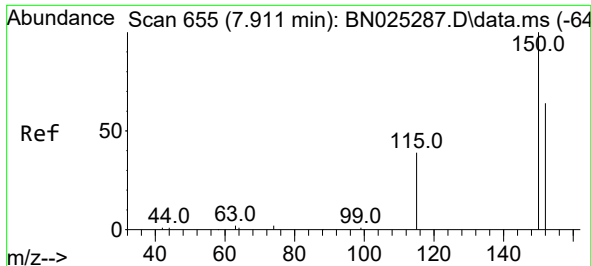
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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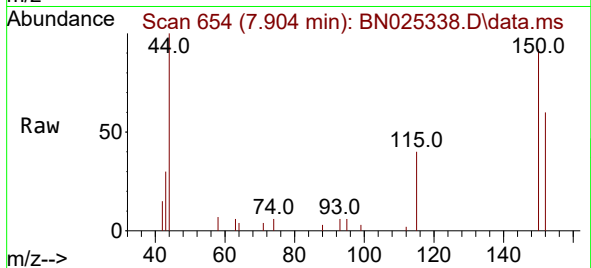
Quant Time: May 09 04:03:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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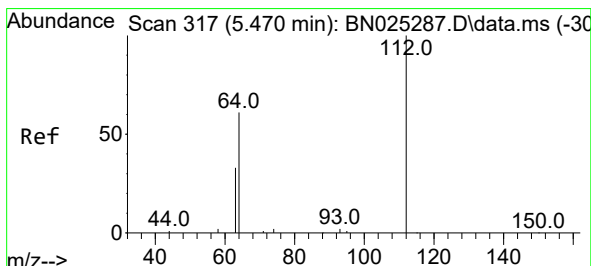
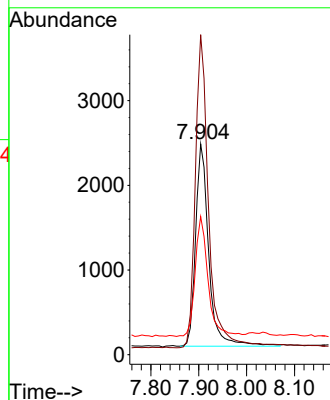
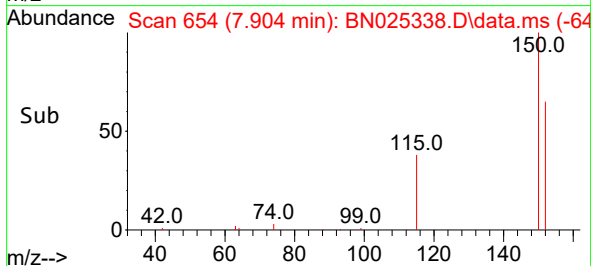


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

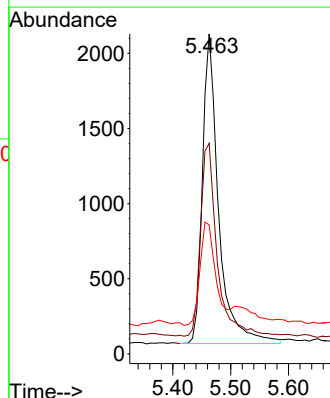
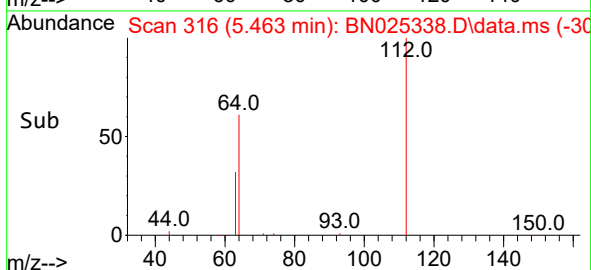
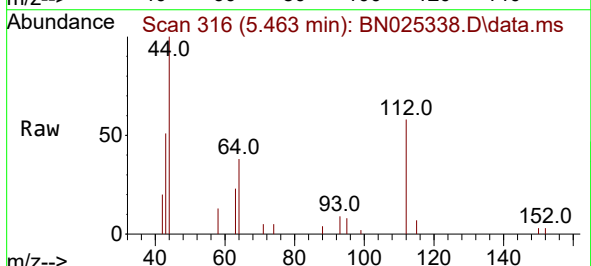


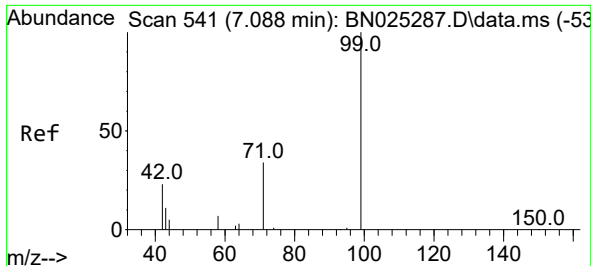
Tgt Ion:152 Resp: 4573
Ion Ratio Lower Upper
152 100
150 151.9 123.8 185.8
115 65.6 52.9 79.3



#4
2-Fluorophenol
Concen: 0.361 ng
RT: 5.463 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:112 Resp: 4017
Ion Ratio Lower Upper
112 100
64 63.8 51.5 77.3
63 32.7 27.8 41.6

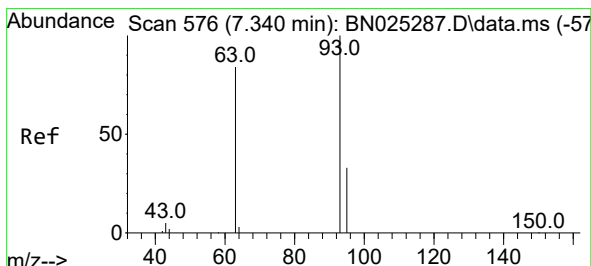
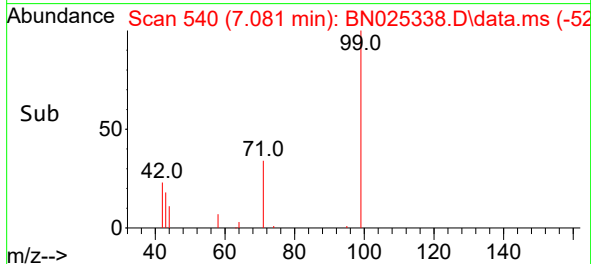
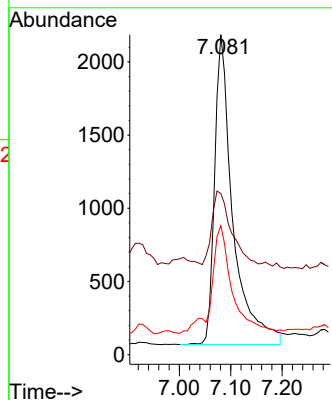
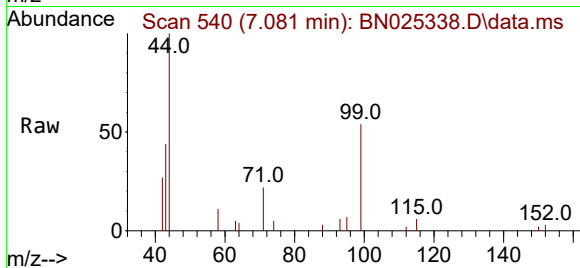




#5
Phenol-d6
Concen: 0.375 ng
RT: 7.081 min Scan# 541
Delta R.T. 0.007 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

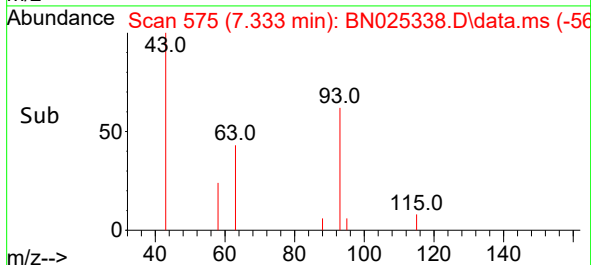
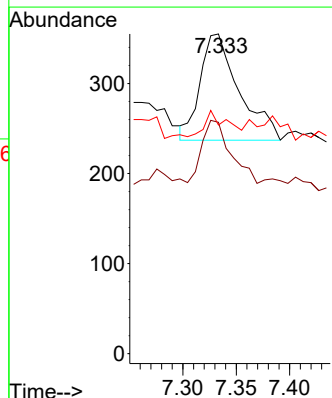
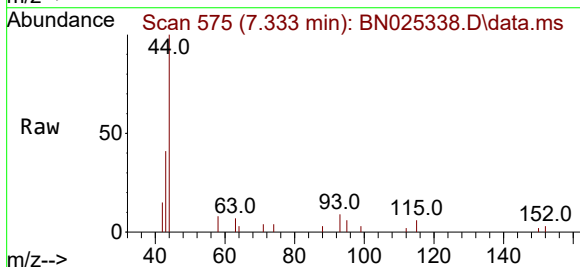
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

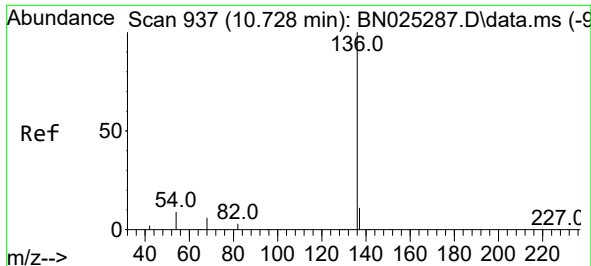
Tgt Ion: 99 Resp: 5231
Ion Ratio Lower Upper
99 100
42 27.4 22.0 33.0
71 39.0 28.7 43.1



#6
bis(2-Chloroethyl)ether
Concen: 0.024 ng
RT: 7.333 min Scan# 575
Delta R.T. 0.007 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion: 93 Resp: 299
Ion Ratio Lower Upper
93 100
63 42.8 67.8 101.6#
95 13.4 26.7 40.1#

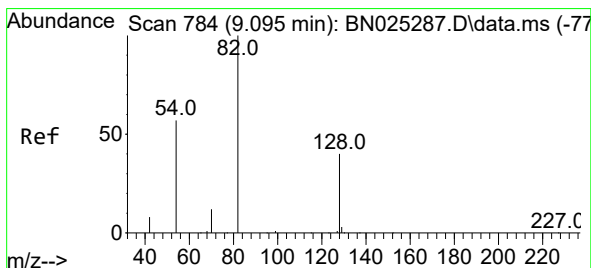
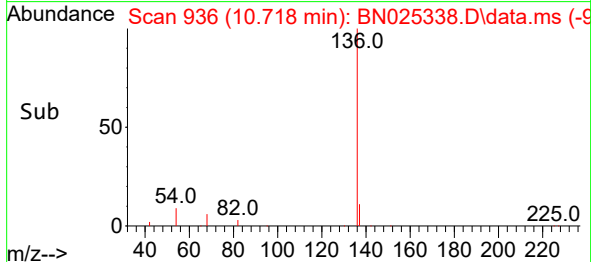
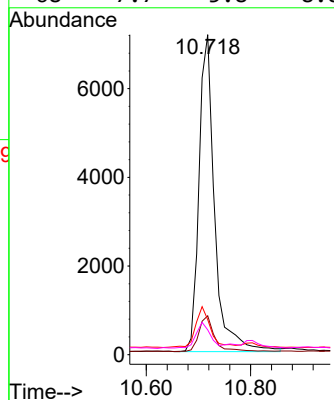
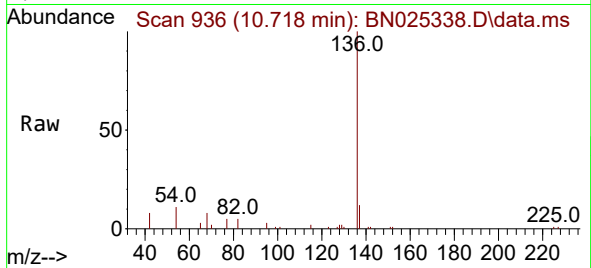




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

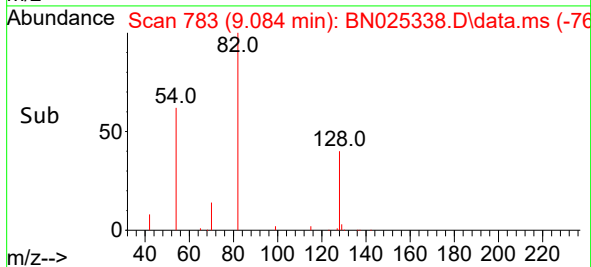
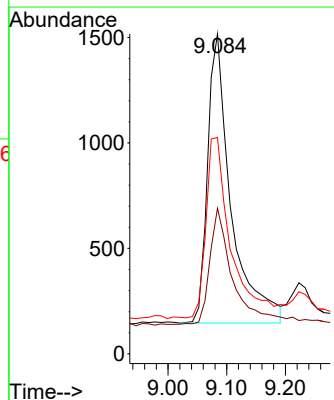
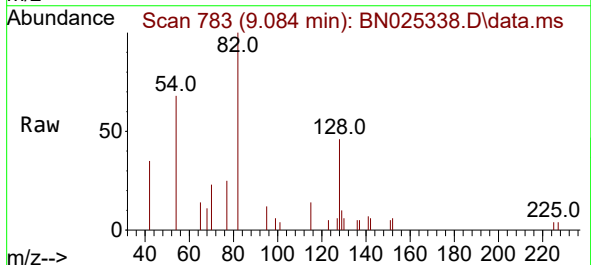
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

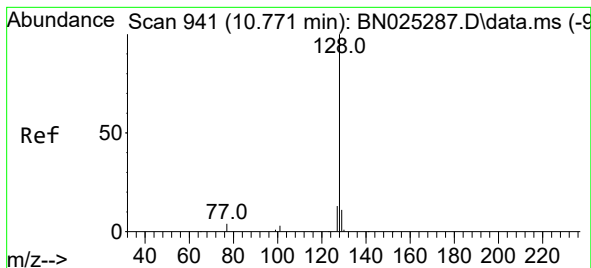
Tgt Ion:	136	Resp:	14822
Ion Ratio	Lower	Upper	
136	100		
137	12.2	9.4	14.2
54	10.9	8.5	12.7
68	7.7	5.8	8.8



#8
Nitrobenzene-d5
Concen: 0.313 ng
RT: 9.084 min Scan# 783
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:	82	Resp:	3812
Ion Ratio	Lower	Upper	
82	100		
128	45.6	35.3	52.9
54	67.6	48.7	73.1





#9

Naphthalene

Concen: 0.406 ng

RT: 10.761 min Scan# 941

Delta R.T. -0.000 min

Lab File: BN025338.D

Acq: 08 May 2023 18:21

Instrument :

BNA_N

ClientSampleId :

ZONE-A-3-6-05022023

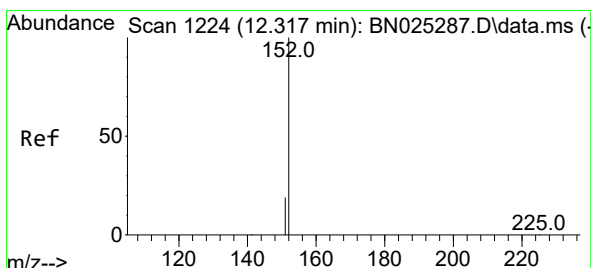
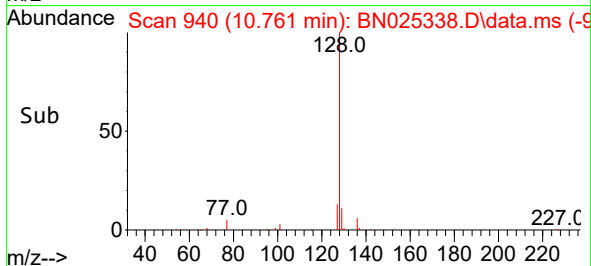
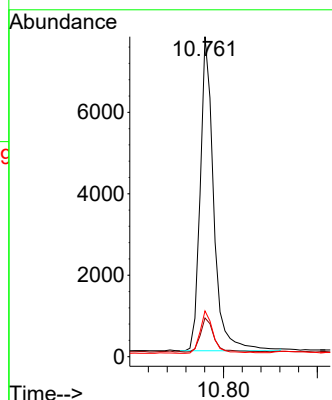
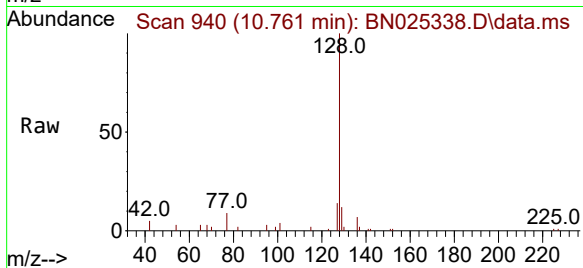
Tgt Ion:128 Resp: 15420

Ion Ratio Lower Upper

128 100

129 12.1 9.4 14.2

127 14.3 11.0 16.6



#11

2-Methylnaphthalene-d10

Concen: 0.361 ng

RT: 12.306 min Scan# 1221

Delta R.T. -0.000 min

Lab File: BN025338.D

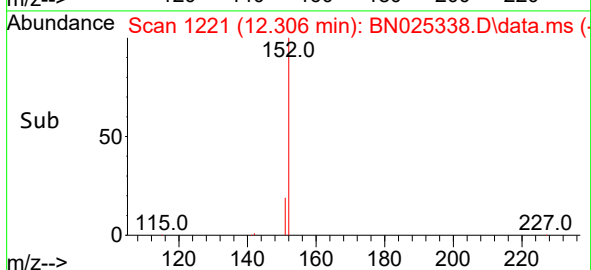
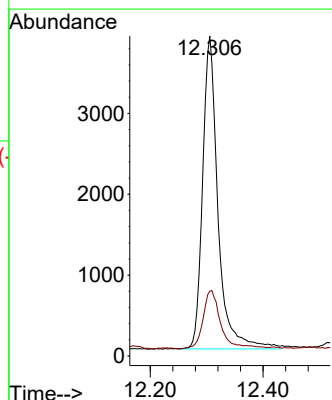
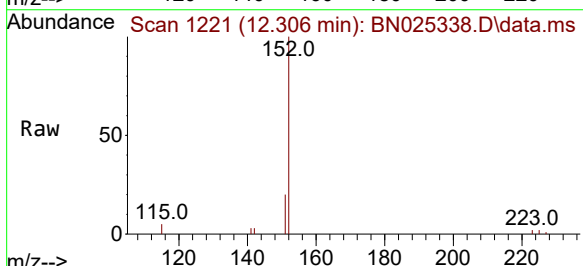
Acq: 08 May 2023 18:21

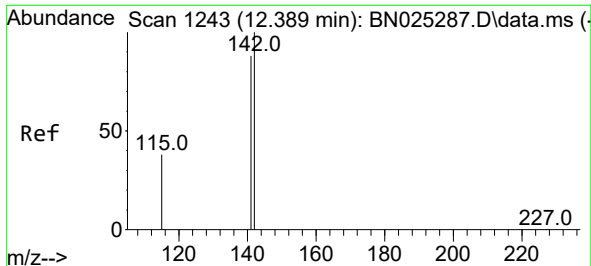
Tgt Ion:152 Resp: 7319

Ion Ratio Lower Upper

152 100

151 21.9 16.4 24.6

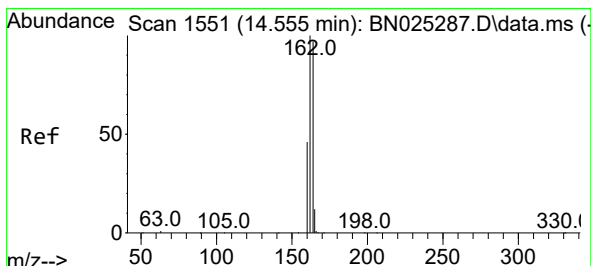
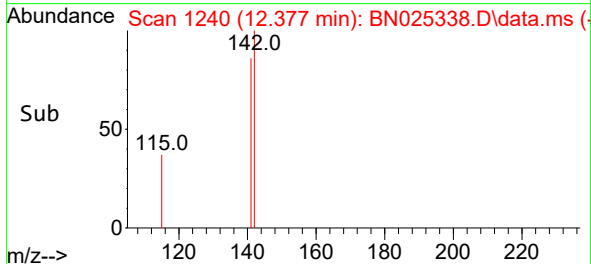
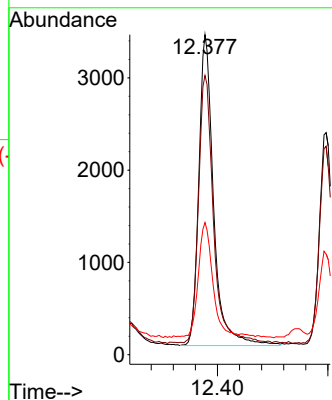
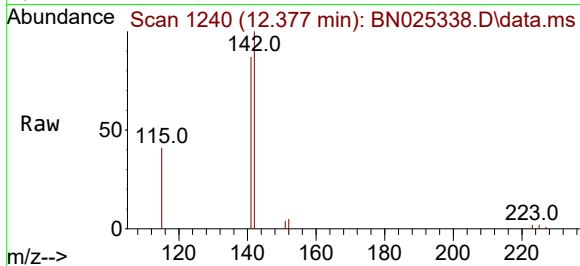




#12
2-Methylnaphthalene
Concen: 0.233 ng
RT: 12.377 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

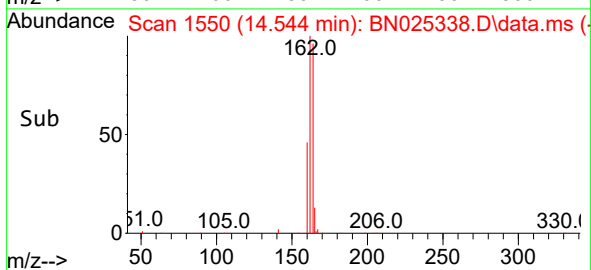
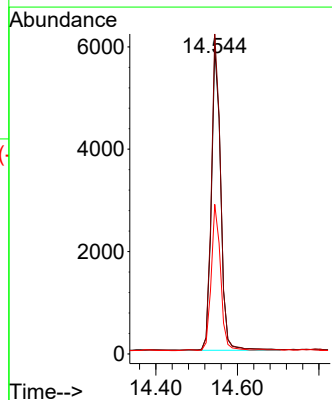
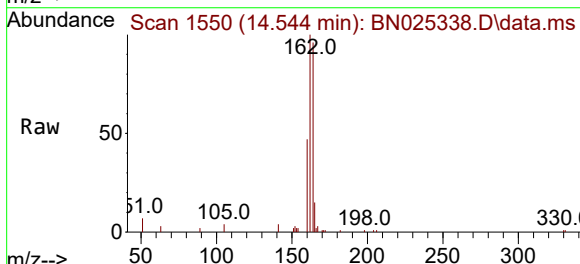
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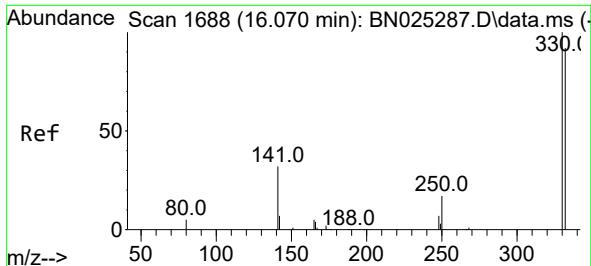
Tgt Ion:142 Resp: 6272
Ion Ratio Lower Upper
142 100
141 87.3 70.5 105.7
115 41.3 31.6 47.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

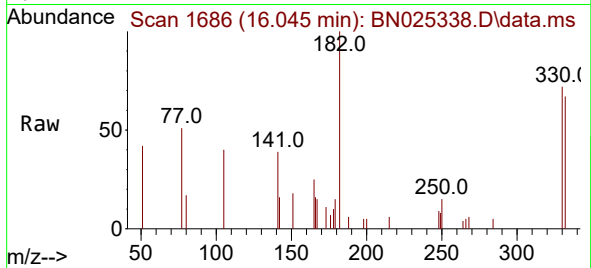
Tgt Ion:164 Resp: 9404
Ion Ratio Lower Upper
164 100
162 104.5 82.1 123.1
160 48.8 38.3 57.5



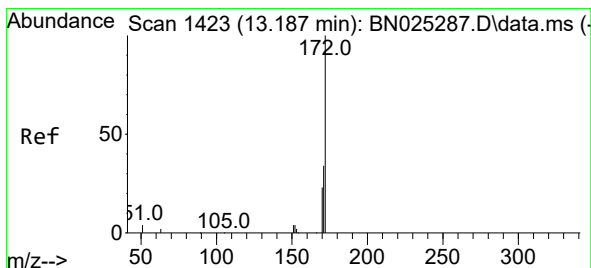
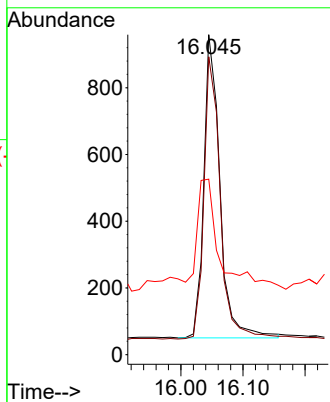
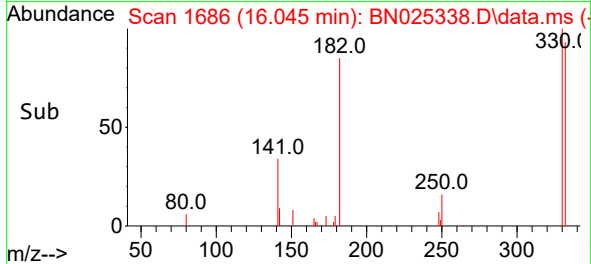


#14
2,4,6-Tribromophenol
Concen: 0.342 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.013 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

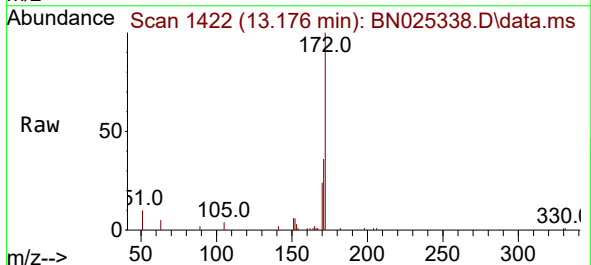
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



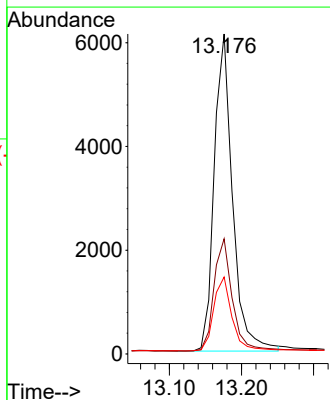
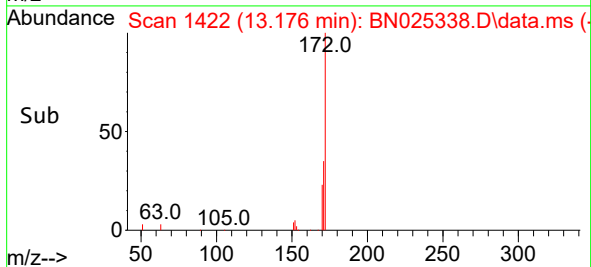
Tgt Ion:330 Resp: 1645
Ion Ratio Lower Upper
330 100
332 94.0 77.4 116.0
141 43.0 28.9 43.3

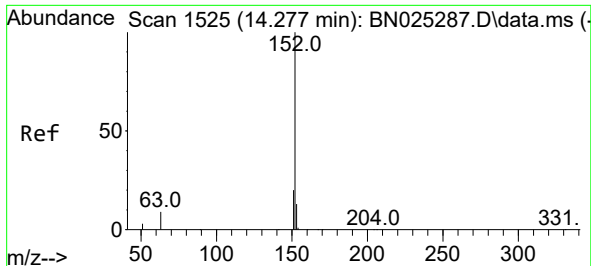


#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 13.176 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21



Tgt Ion:172 Resp: 10758
Ion Ratio Lower Upper
172 100
171 36.0 27.9 41.9
170 24.0 19.0 28.4

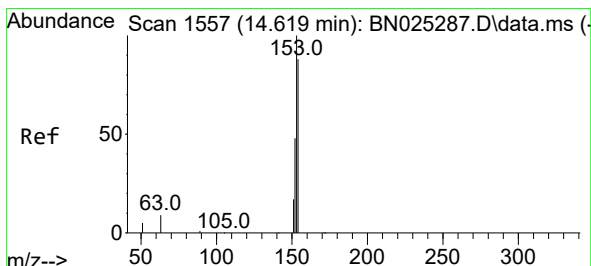
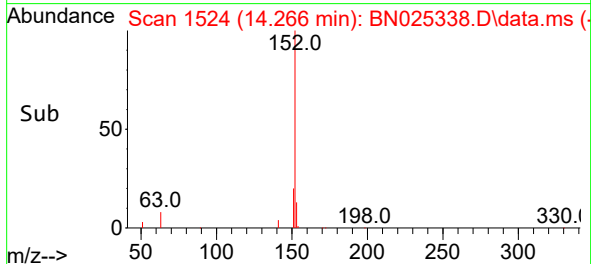
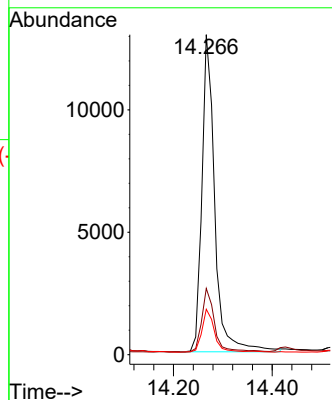
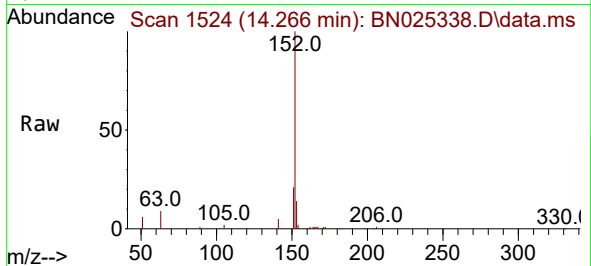




#16
Acenaphthylene
Concen: 0.557 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

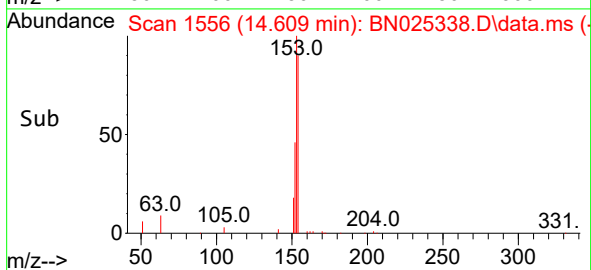
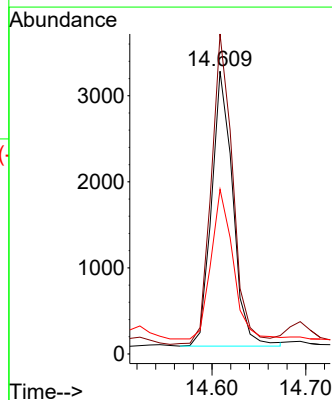
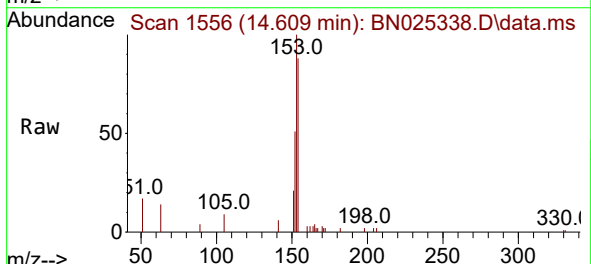
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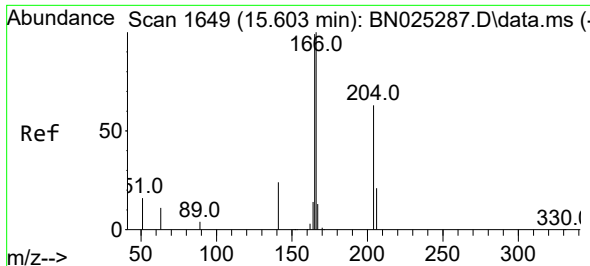
Tgt Ion:152 Resp: 23434
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.0 10.3 15.5



#17
Acenaphthene
Concen: 0.192 ng
RT: 14.609 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:154 Resp: 5027
Ion Ratio Lower Upper
154 100
153 114.4 91.3 136.9
152 57.7 44.7 67.1

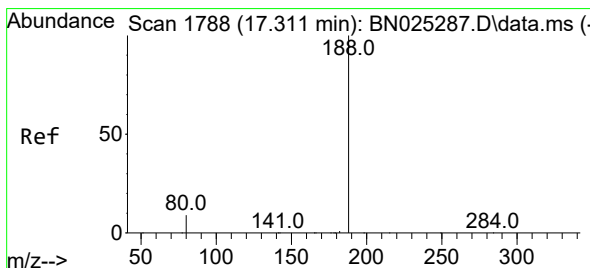
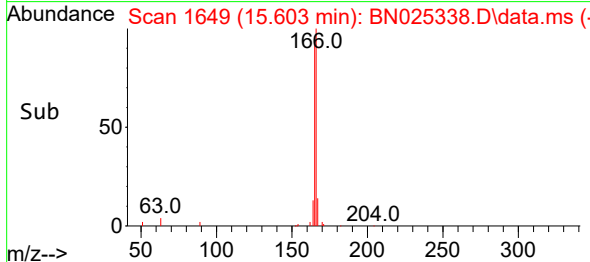
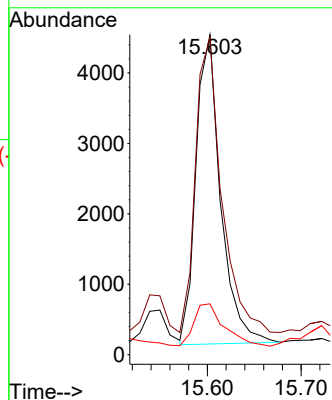
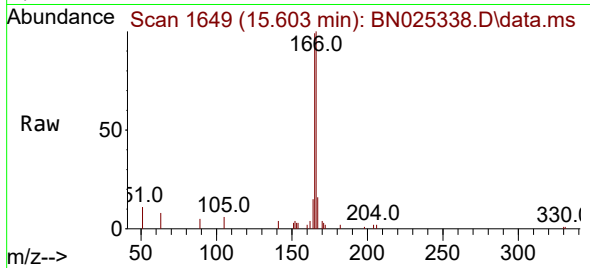




#18
Fluorene
Concen: 0.223 ng
RT: 15.603 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

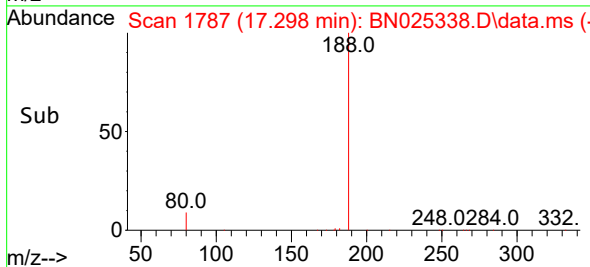
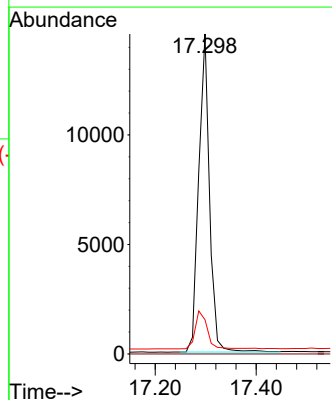
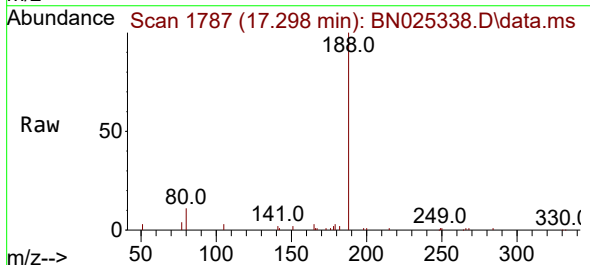
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

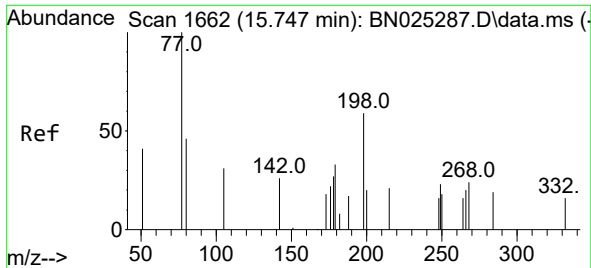
Tgt Ion:166 Resp: 8013
Ion Ratio Lower Upper
166 100
165 100.6 79.0 118.4
167 17.1 10.3 15.5#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.298 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:188 Resp: 21657
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 8.0 12.0

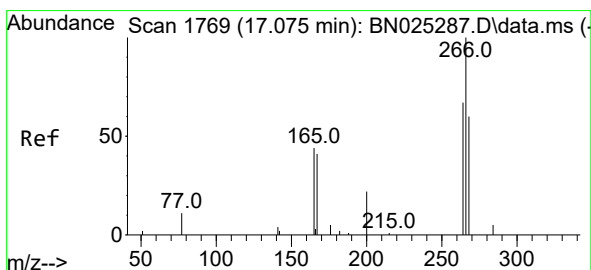
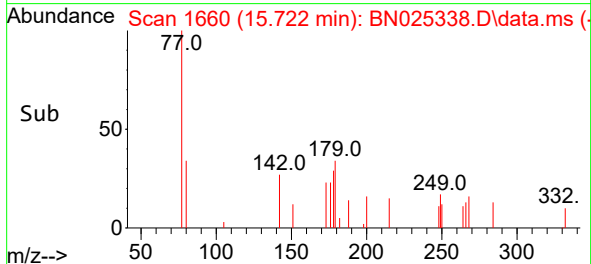
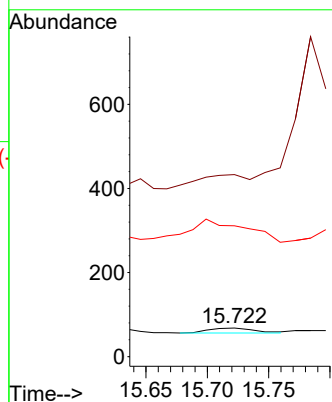
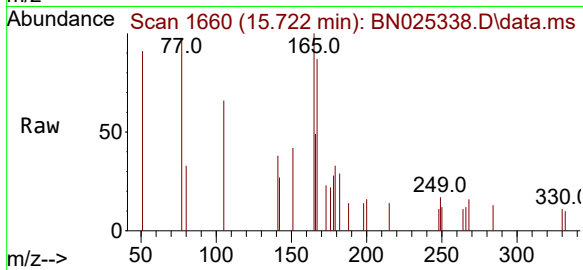




#20
4,6-Dinitro-2-methylphenol
Concen: 0.287 ng
RT: 15.722 min Scan# 1660
Delta R.T. 0.012 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

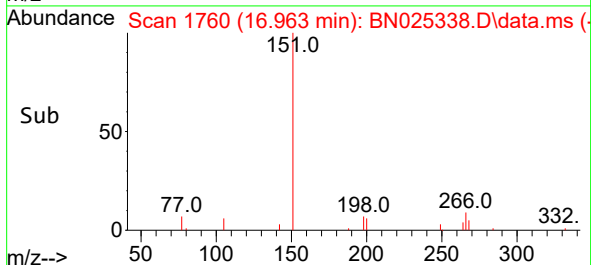
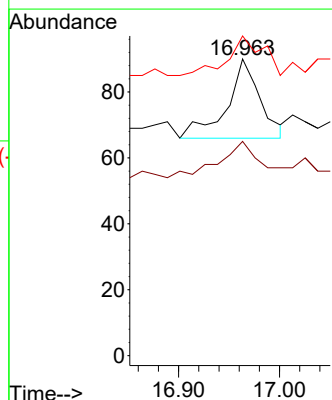
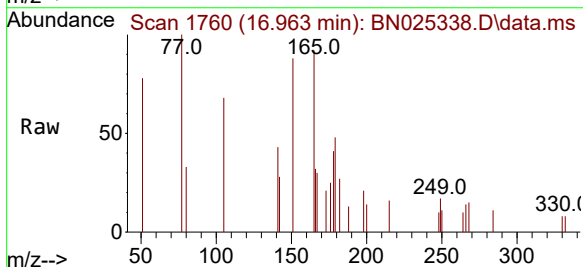
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

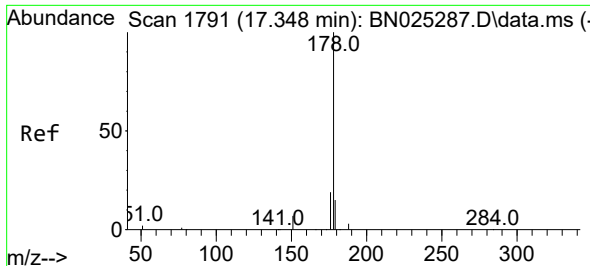
Tgt Ion:198 Resp: 32
Ion Ratio Lower Upper
198 100
51 636.8 162.1 243.1#
105 457.4 83.1 124.7#



#24
Pentachlorophenol
Concen: 0.277 ng
RT: 16.963 min Scan# 1760
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:266 Resp: 55
Ion Ratio Lower Upper
266 100
264 56.4 43.0 64.4
268 60.0 47.4 71.2

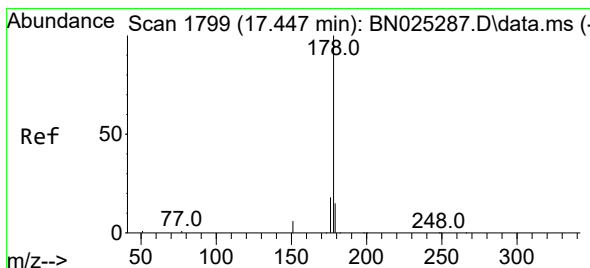
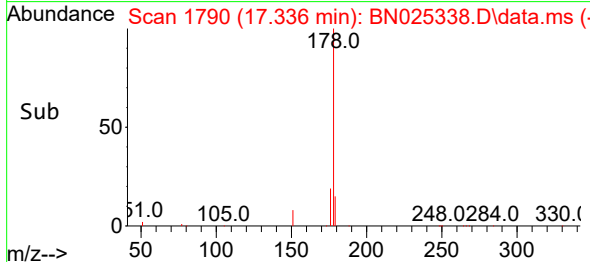
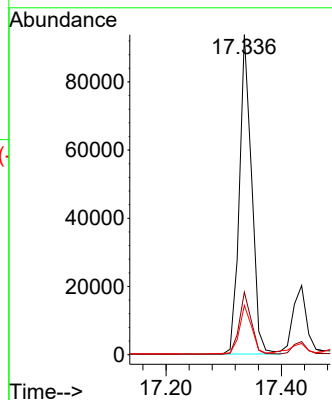
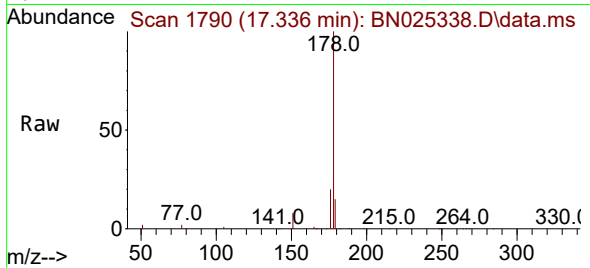




#25
Phenanthrene
Concen: 2.295 ng
RT: 17.336 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

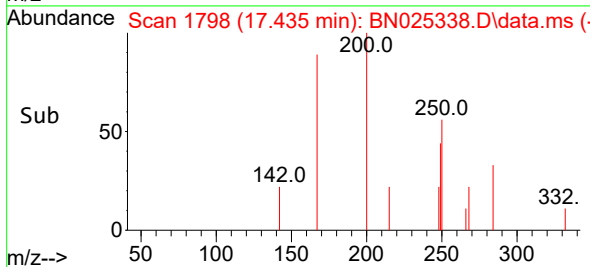
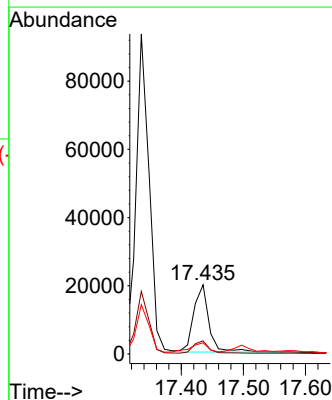
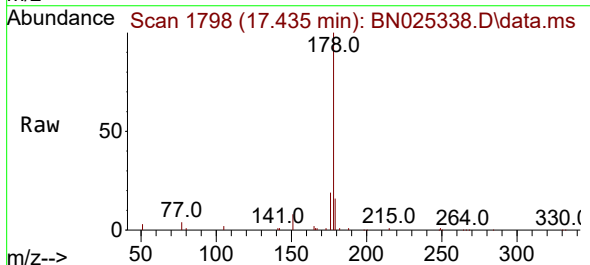
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

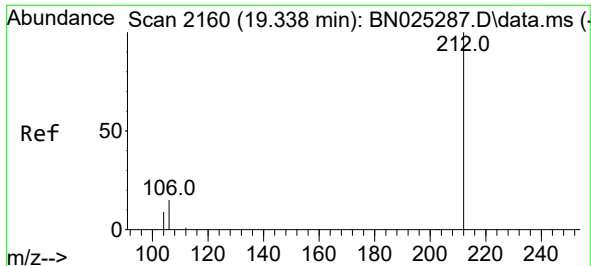
Tgt Ion:178 Resp: 137494
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.4 18.6



#26
Anthracene
Concen: 0.597 ng
RT: 17.435 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:178 Resp: 33513
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 15.6 12.0 18.0

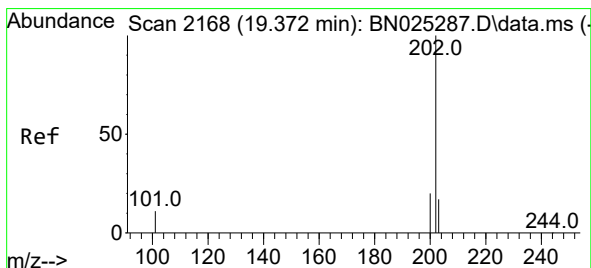
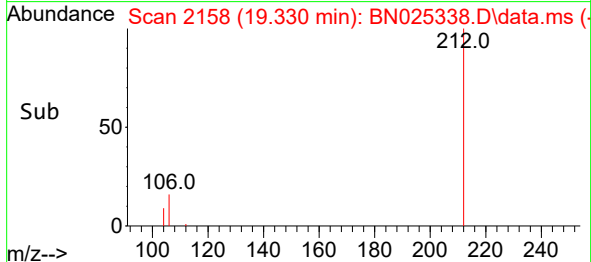
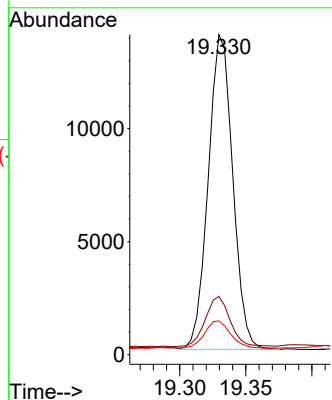
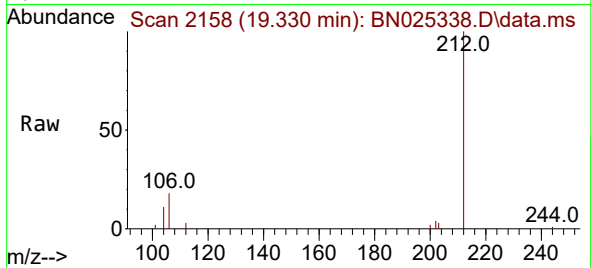




#27
Fluoranthene-d10
Concen: 0.335 ng
RT: 19.330 min Scan# 2160
Delta R.T. -0.004 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

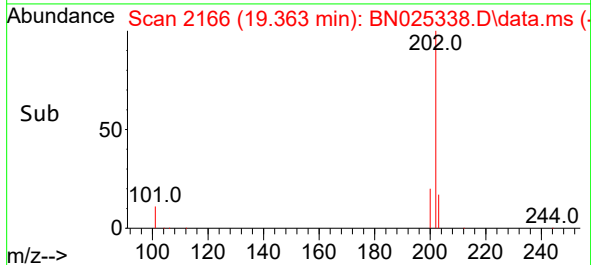
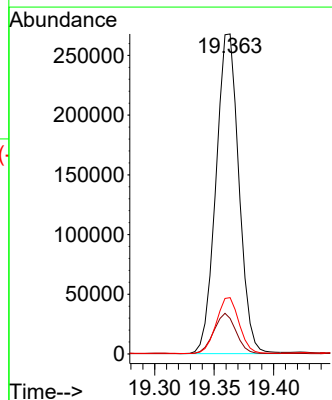
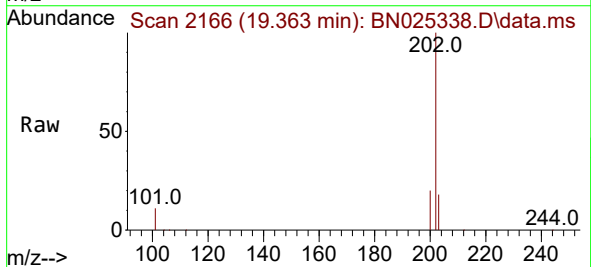
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

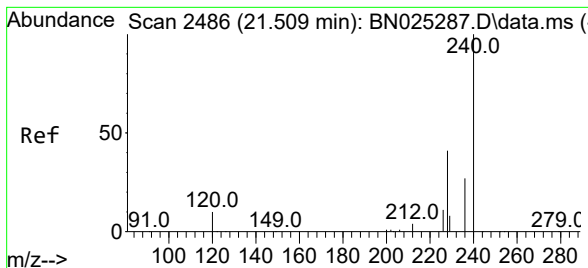
Tgt Ion:212 Resp: 17968
Ion Ratio Lower Upper
212 100
106 16.1 12.6 19.0
104 9.4 7.0 10.6



#28
Fluoranthene
Concen: 4.799 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:202 Resp: 359299
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.8
203 17.4 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.495 min Scan# 2486

Delta R.T. -0.005 min

Lab File: BN025338.D

Acq: 08 May 2023 18:21

Instrument :

BNA_N

ClientSampleId :

ZONE-A-3-6-05022023

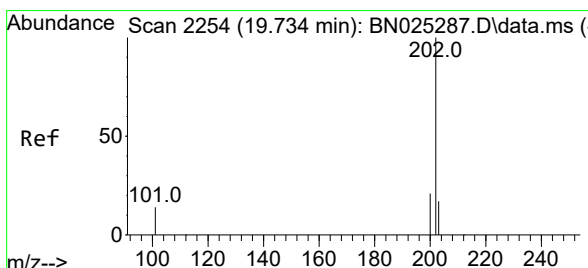
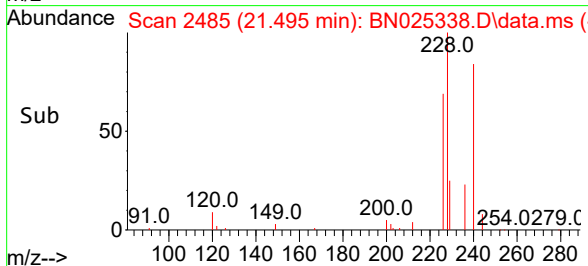
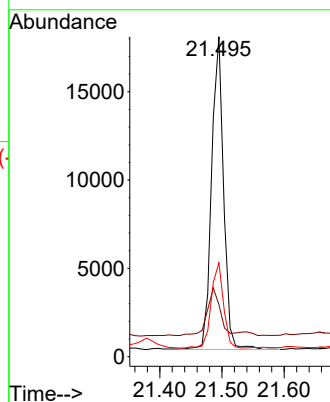
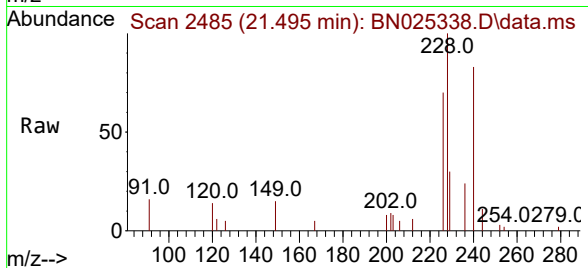
Tgt Ion:240 Resp: 23678

Ion Ratio Lower Upper

240 100

120 16.3 10.3 15.5#

236 29.3 22.3 33.5



#30

Pyrene

Concen: 4.103 ng

RT: 19.726 min Scan# 2252

Delta R.T. -0.004 min

Lab File: BN025338.D

Acq: 08 May 2023 18:21

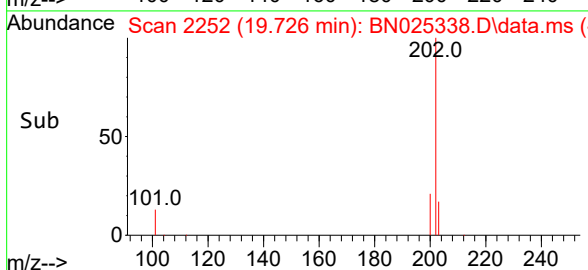
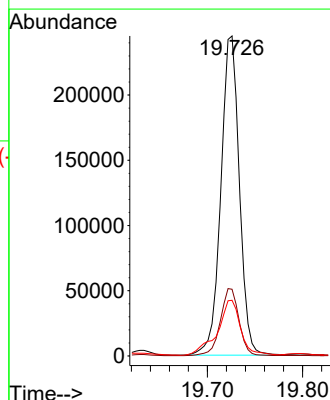
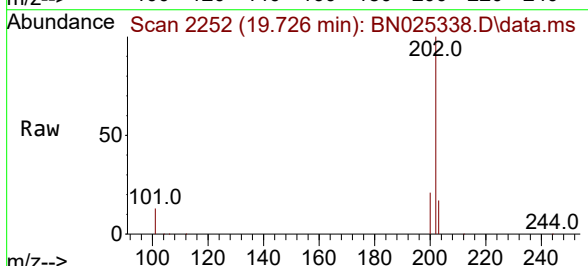
Tgt Ion:202 Resp: 332151

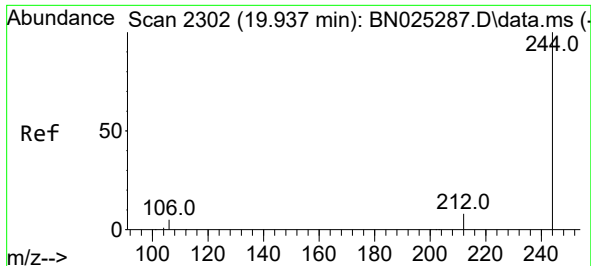
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 21.3 14.4 21.6

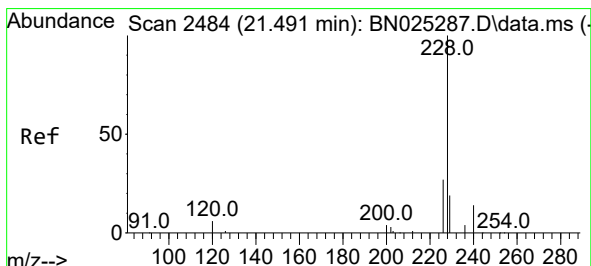
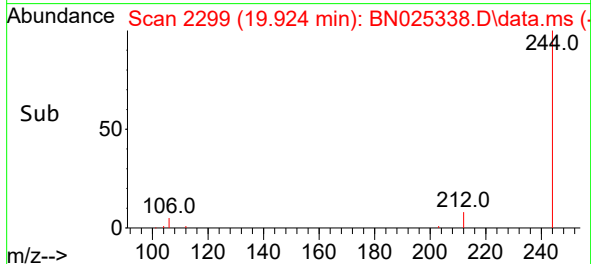
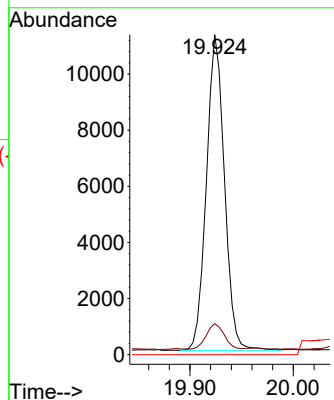
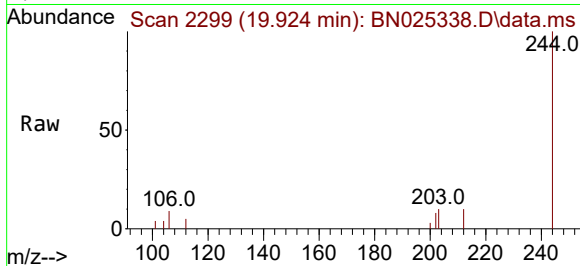




#31
 Terphenyl-d14
 Concen: 0.286 ng
 RT: 19.924 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN025338.D
 Acq: 08 May 2023 18:21

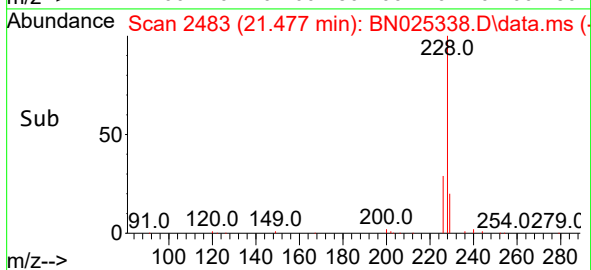
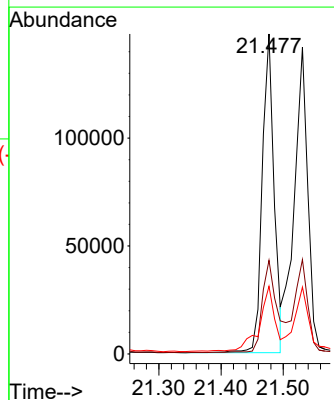
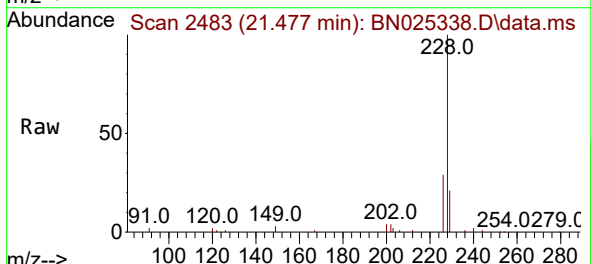
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-A-3-6-05022023

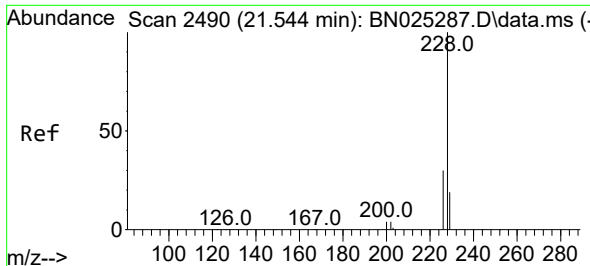
Tgt Ion:244 Resp: 13660
 Ion Ratio Lower Upper
 244 100
 212 9.7 7.1 10.7
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 2.449 ng
 RT: 21.477 min Scan# 2483
 Delta R.T. -0.005 min
 Lab File: BN025338.D
 Acq: 08 May 2023 18:21

Tgt Ion:228 Resp: 196018
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.5 33.7
 229 21.2 16.2 24.2





#33

Chrysene

Concen: 2.689 ng

RT: 21.531 min Scan# 2489

Delta R.T. -0.005 min

Lab File: BN025338.D

Acq: 08 May 2023 18:21

Instrument :

BNA_N

ClientSampleId :

ZONE-A-3-6-05022023

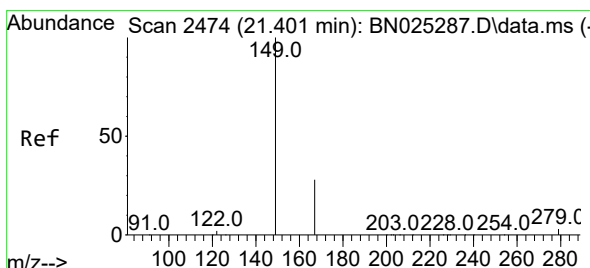
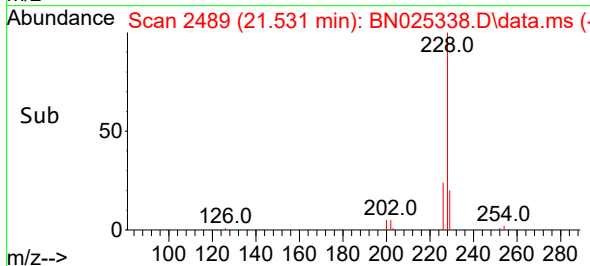
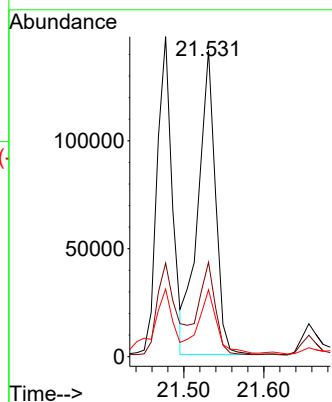
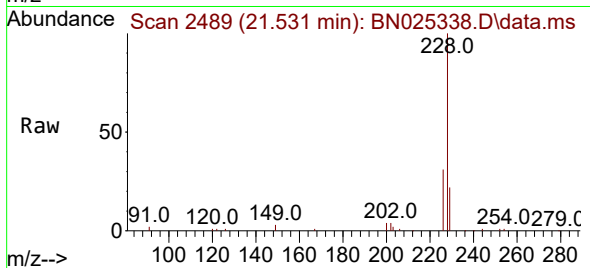
Tgt Ion:228 Resp: 214181

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

229 21.8 16.2 24.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.338 ng

RT: 21.388 min Scan# 2473

Delta R.T. -0.005 min

Lab File: BN025338.D

Acq: 08 May 2023 18:21

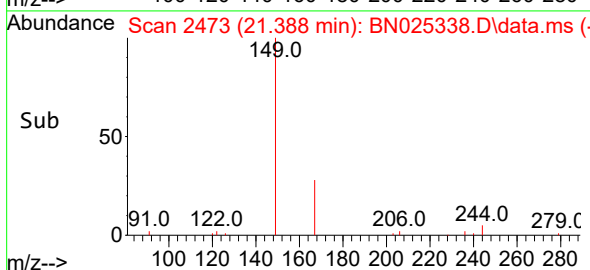
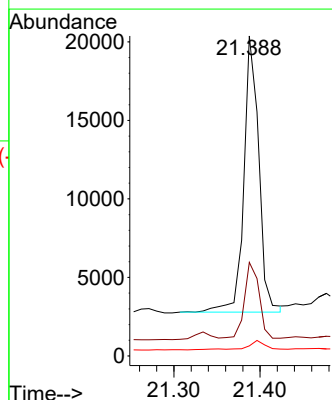
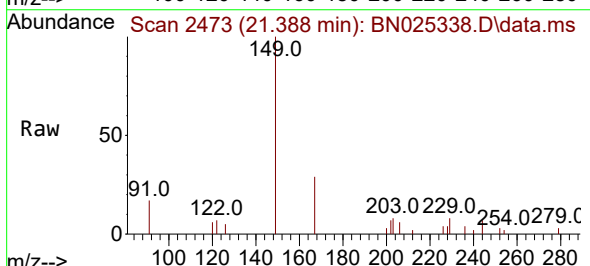
Tgt Ion:149 Resp: 21221

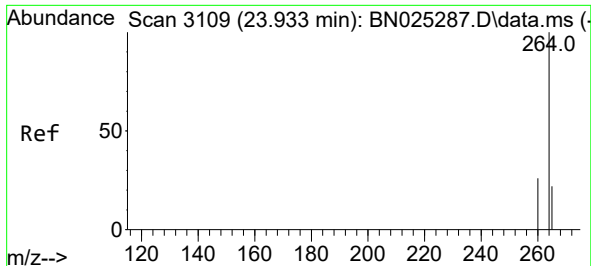
Ion Ratio Lower Upper

149 100

167 26.9 22.2 33.4

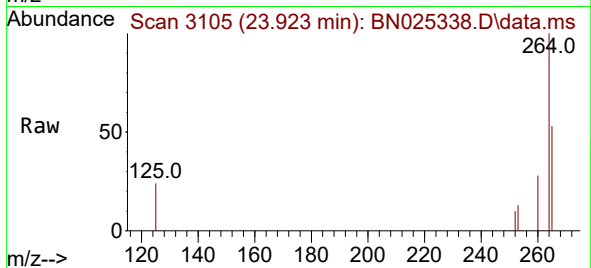
279 3.1 2.6 4.0



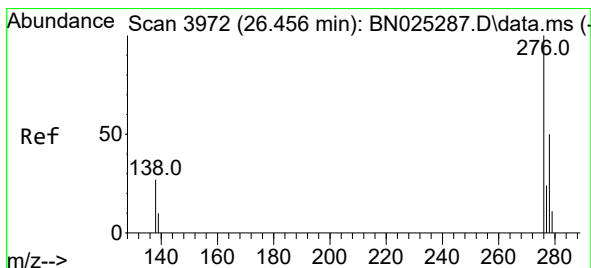
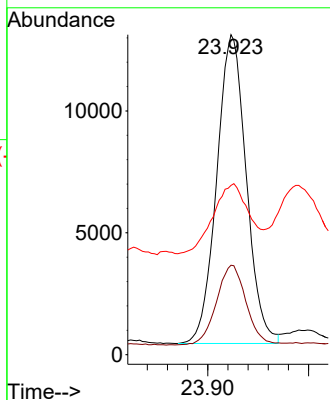
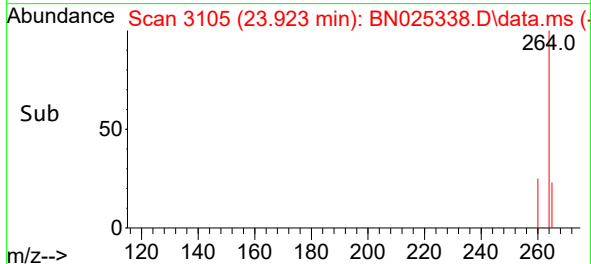


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.923 min Scan# 3105
Delta R.T. -0.008 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

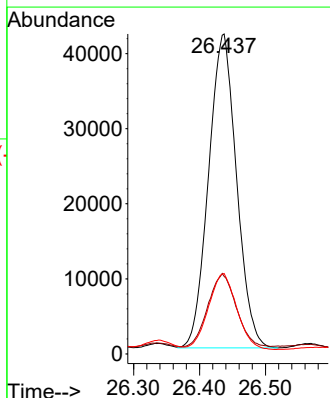
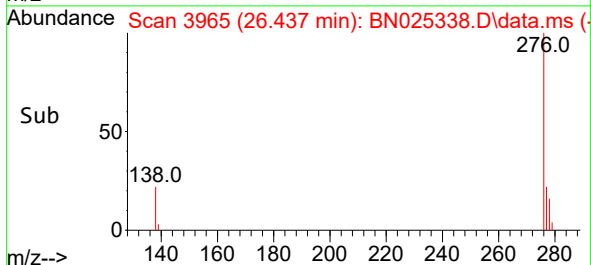
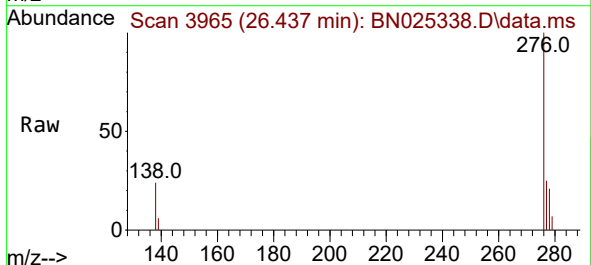


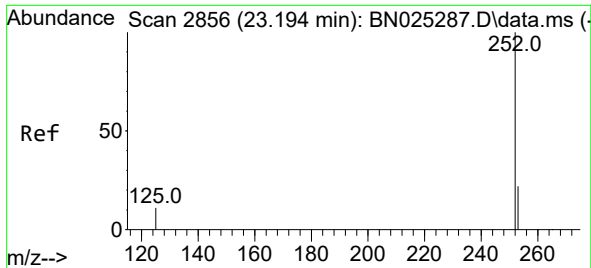
Tgt Ion:264 Resp: 25806
Ion Ratio Lower Upper
264 100
260 27.9 21.5 32.3
265 52.9 46.2 69.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.189 ng
RT: 26.437 min Scan# 3965
Delta R.T. -0.010 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

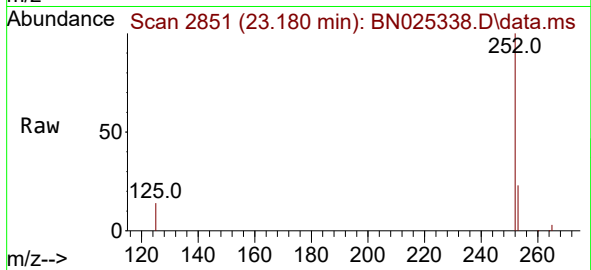
Tgt Ion:276 Resp: 122986
Ion Ratio Lower Upper
276 100
138 23.3 22.5 33.7
277 24.6 19.8 29.6



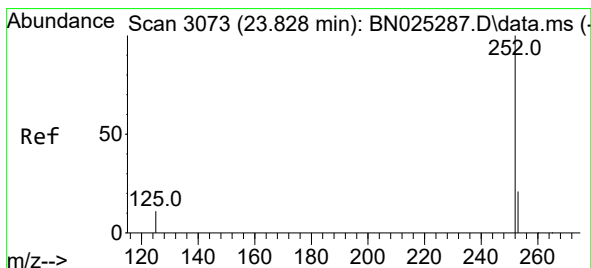
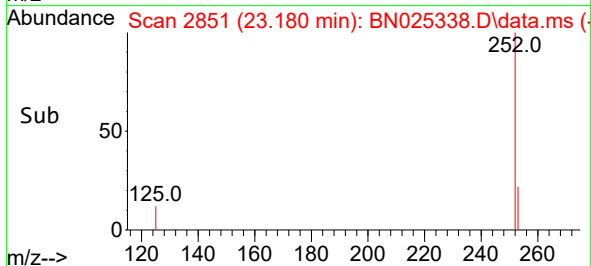
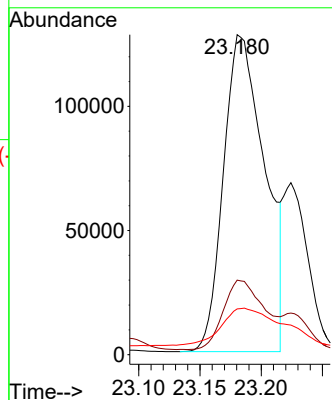


#37
Benzo(b)fluoranthene
Concen: 3.653 ng
RT: 23.180 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

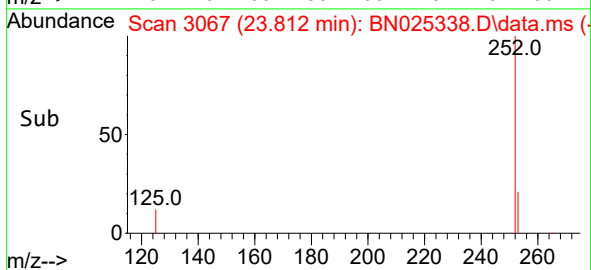
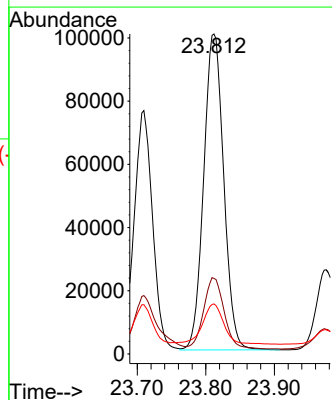
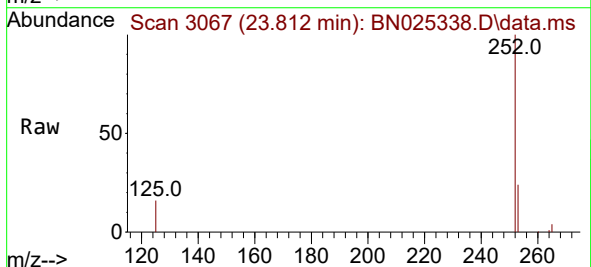


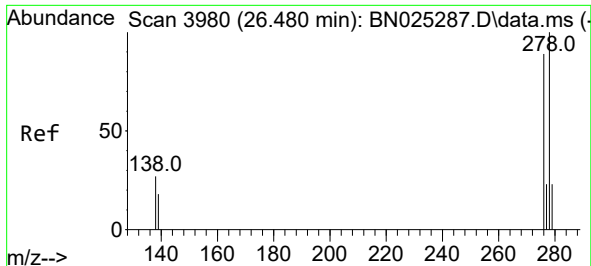
Tgt Ion:252 Resp: 298832
Ion Ratio Lower Upper
252 100
253 23.3 20.8 31.2
125 14.3 13.4 20.2



#39
Benzo(a)pyrene
Concen: 2.420 ng
RT: 23.812 min Scan# 3067
Delta R.T. -0.010 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:252 Resp: 202834
Ion Ratio Lower Upper
252 100
253 23.6 21.4 32.0
125 15.6 15.4 23.2

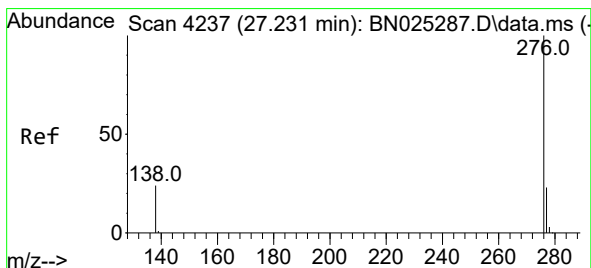
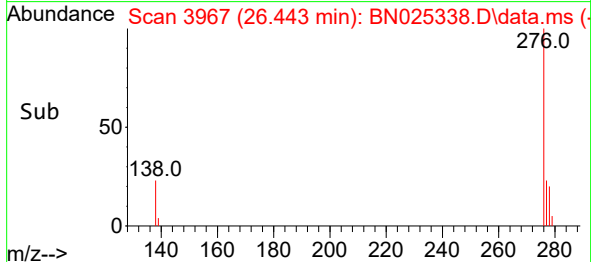
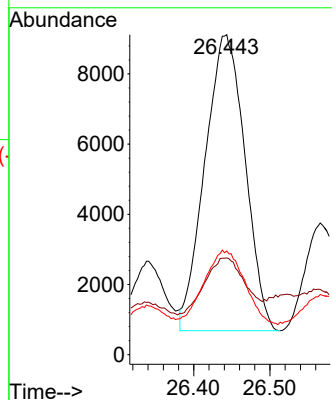
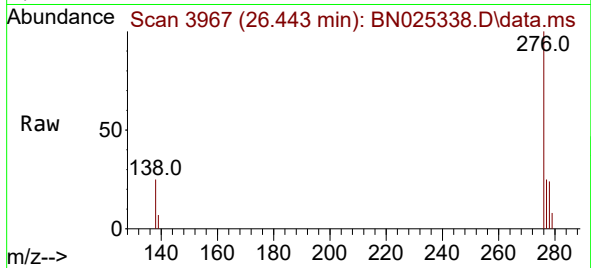




#40
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 26.443 min Scan# 3967
Delta R.T. -0.022 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

Tgt Ion:278 Resp: 30853
Ion Ratio Lower Upper
278 100
139 30.2 17.6 26.4#
279 32.4 21.6 32.4#



#41
Benzo(g,h,i)perylene
Concen: 1.307 ng
RT: 27.212 min Scan# 4230
Delta R.T. -0.016 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:276 Resp: 117298
Ion Ratio Lower Upper
276 100
277 24.4 20.1 30.1
138 25.4 21.0 31.6

