

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025317.D
 Acq On : 06 May 2023 15:56
 Operator : CG/JU
 Sample : 02588-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: May 08 04:00:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 02:37:05 2023
 Response via : Initial Calibration

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

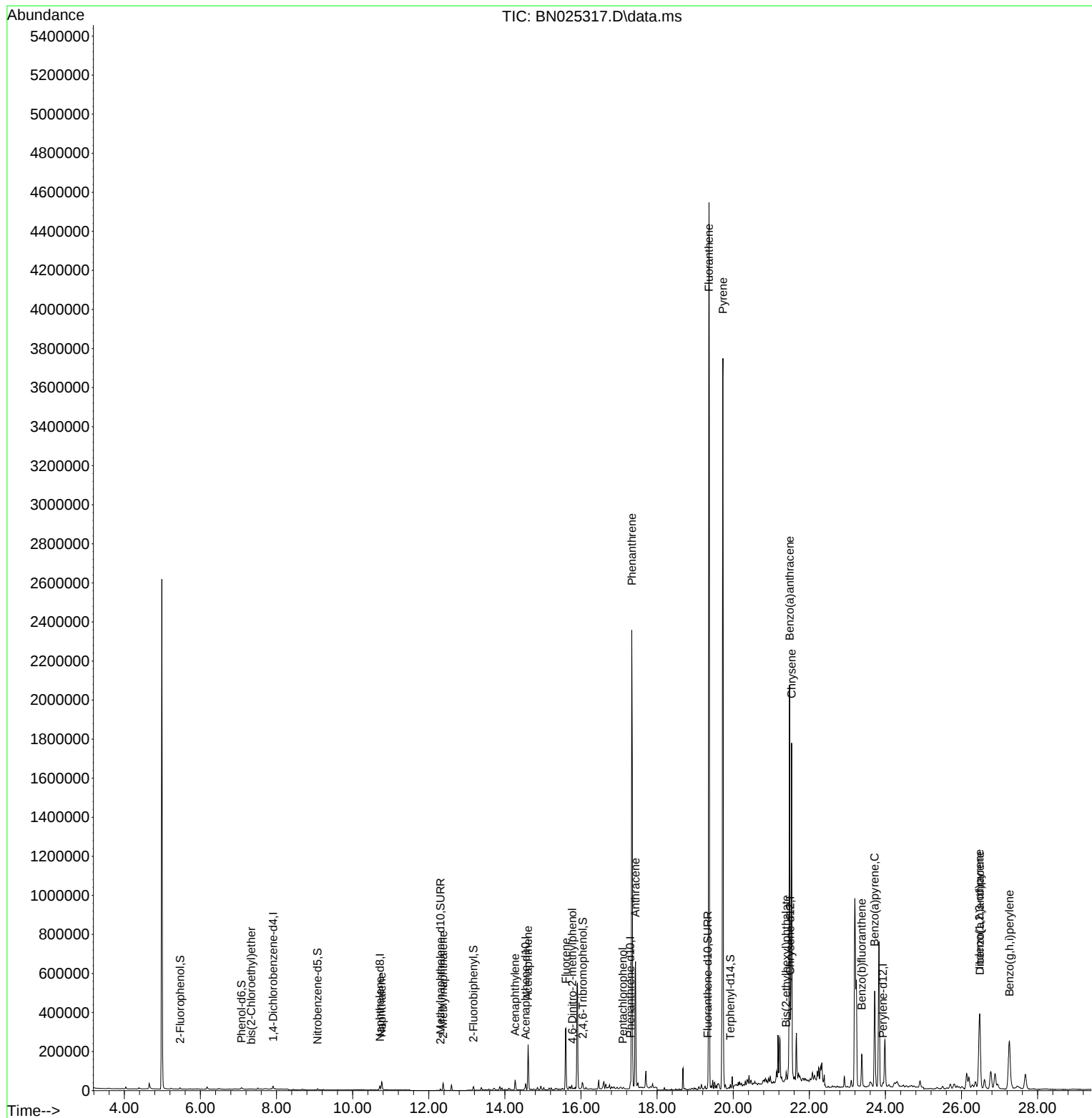
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	8541	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	28663	0.400	ng	-0.01
13) Acenaphthene-d10	14.544	164	17349	0.400	ng	-0.01
19) Phenanthrene-d10	17.298	188	38662	0.400	ng	-0.01
29) Chrysene-d12	21.500	240	28560	0.400	ng	# 0.00
35) Perylene-d12	23.936	264	27851	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.470	112	5954	0.286	ng	0.00
5) Phenol-d6	7.081	99	8003	0.307	ng	0.00
8) Nitrobenzene-d5	9.074	82	5748	0.244	ng	-0.02
11) 2-Methylnaphthalene-d10	12.306	152	10978	0.280	ng	-0.01
14) 2,4,6-Tribromophenol	16.045	330	2452	0.276	ng	-0.02
15) 2-Fluorobiphenyl	13.176	172	16262	0.273	ng	-0.01
27) Fluoranthene-d10	19.334	212	24119	0.252	ng	0.00
31) Terphenyl-d14	19.924	244	19339	0.336	ng	-0.01
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.333	93	495	0.022	ng	# 61
9) Naphthalene	10.761	128	58615	0.797	ng	99
12) 2-Methylnaphthalene	12.377	142	28632	0.551	ng	99
16) Acenaphthylene	14.266	152	60314	0.776	ng	98
17) Acenaphthene	14.609	154	109949	2.276	ng	98
18) Fluorene	15.603	166	221092	3.340	ng	97
20) 4,6-Dinitro-2-methylph...	15.772	198	22	0.283	ng	# 1
24) Pentachlorophenol	17.100	266	20	0.268	ng	# 23
25) Phenanthrene	17.336	178	2458071	22.979	ng	100
26) Anthracene	17.435	178	769392	7.678	ng	99
28) Fluoranthene	19.363	202	4143134	30.998	ng	98
30) Pyrene	19.730	202	3409104	34.917	ng	# 94
32) Benzo(a)anthracene	21.482	228	1759857	18.230	ng	99
33) Chrysene	21.536	228	1415374	14.730	ng	98
34) Bis(2-ethylhexyl)phtha...	21.392	149	36691	0.484	ng	98
36) Indeno(1,2,3-cd)pyrene	26.474	276	681790	6.106	ng	96
37) Benzo(b)fluoranthene	23.378	252	152295	1.725	ng	97
39) Benzo(a)pyrene	23.717	252	718250	7.941	ng	94
40) Dibenzo(a,h)anthracene	26.483	278	179237	2.033	ng	97
41) Benzo(g,h,i)perylene	27.258	276	605656	6.255	ng	98

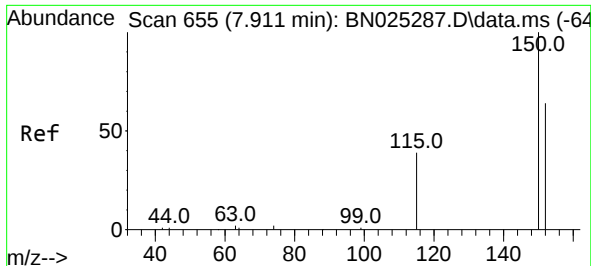
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN025317.D
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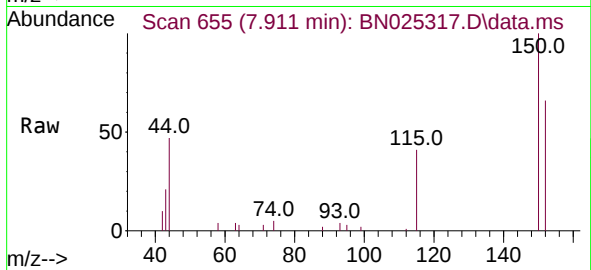
Quant Time: May 08 04:00:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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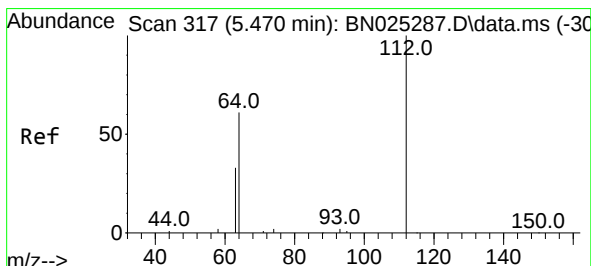
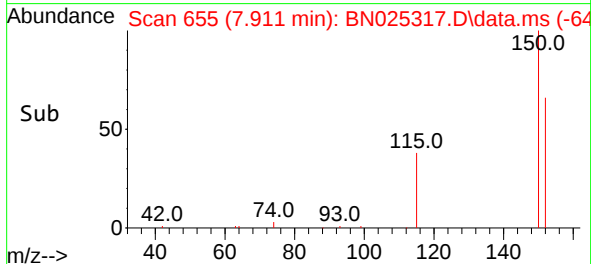
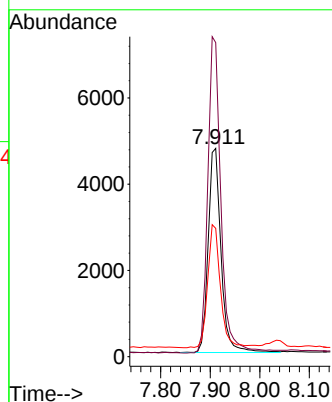


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.911 min Scan# 655
Delta R.T. 0.000 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

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

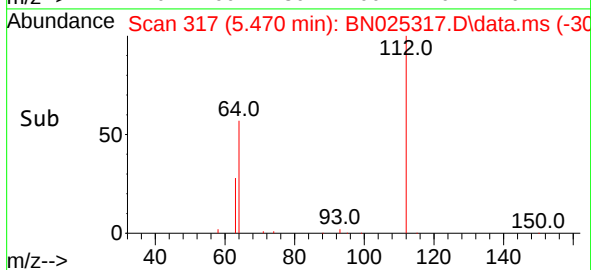
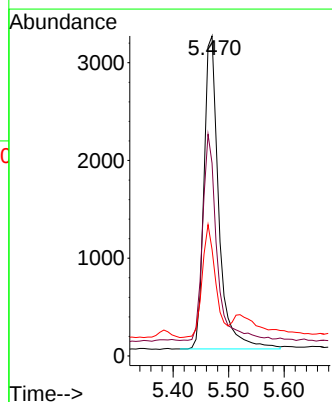
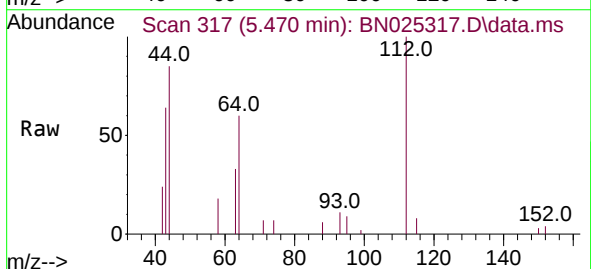


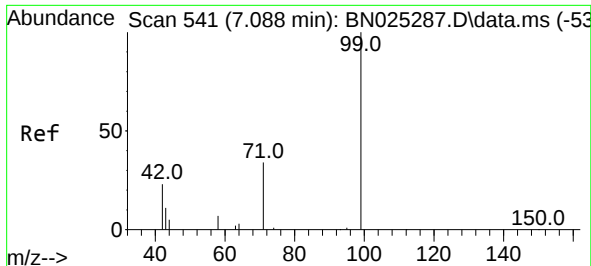
Tgt Ion:152 Resp: 8541
Ion Ratio Lower Upper
152 100
150 150.8 123.8 185.8
115 61.6 52.9 79.3



#4
2-Fluorophenol
Concen: 0.286 ng
RT: 5.470 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:112 Resp: 5954
Ion Ratio Lower Upper
112 100
64 63.8 51.5 77.3
63 32.5 27.8 41.6

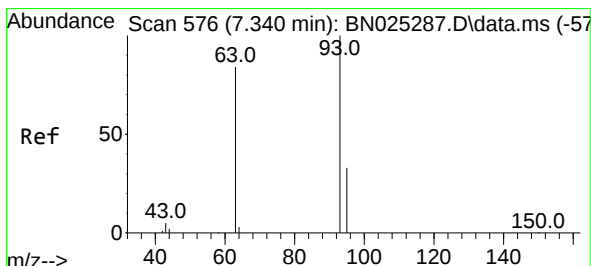
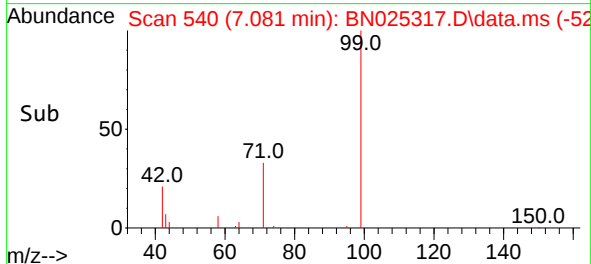
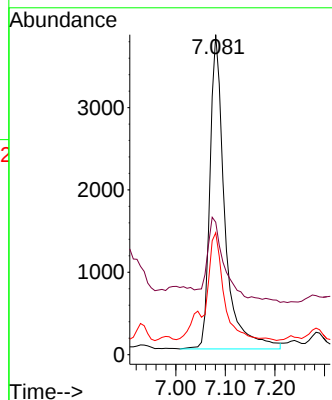
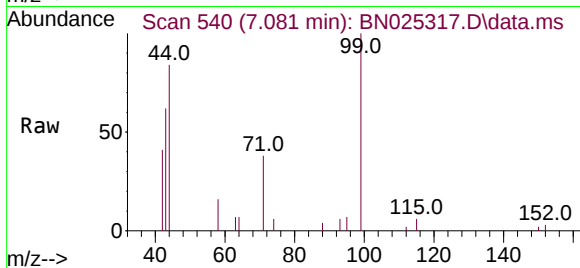




#5
Phenol-d6
Concen: 0.307 ng
RT: 7.081 min Scan# 541
Delta R.T. -0.007 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

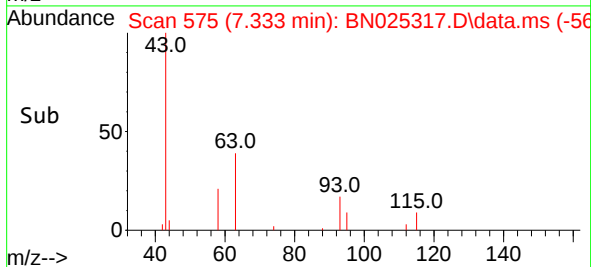
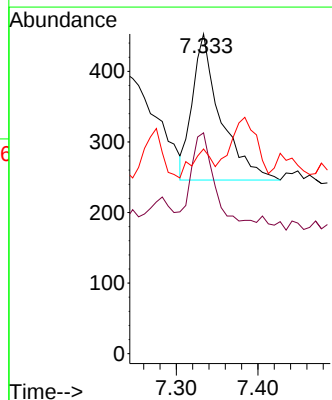
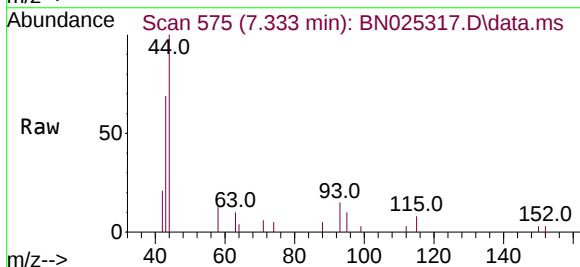
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

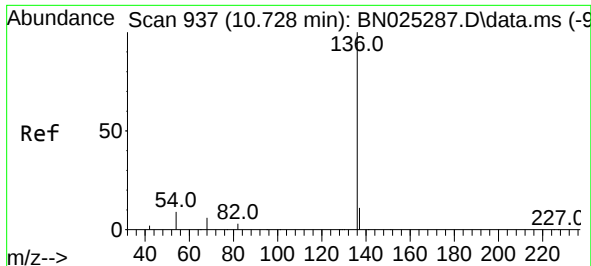
Tgt Ion: 99 Resp: 8003
Ion Ratio Lower Upper
99 100
42 33.4 22.0 33.0#
71 42.5 28.7 43.1



#6
bis(2-Chloroethyl)ether
Concen: 0.022 ng
RT: 7.333 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion: 93 Resp: 495
Ion Ratio Lower Upper
93 100
63 44.6 67.8 101.6#
95 17.6 26.7 40.1#

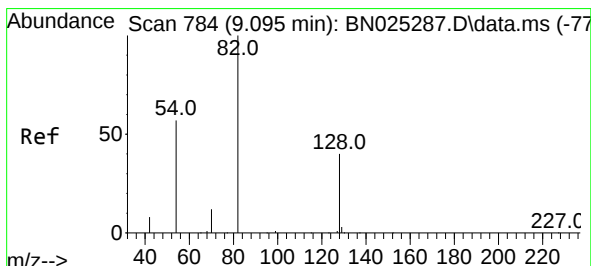
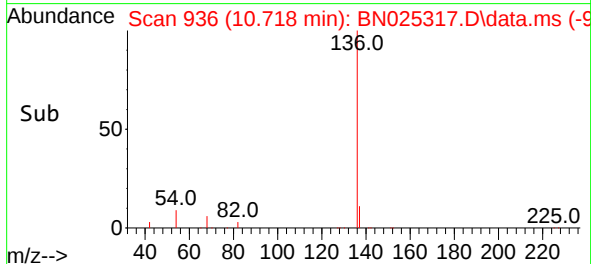
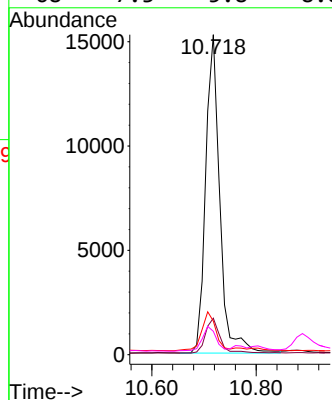
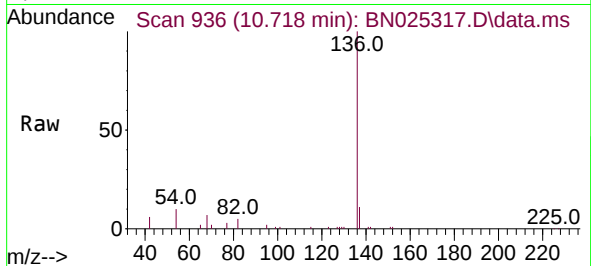




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

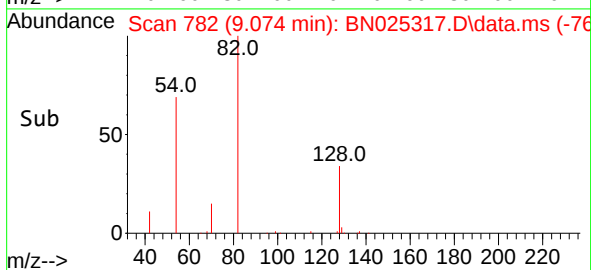
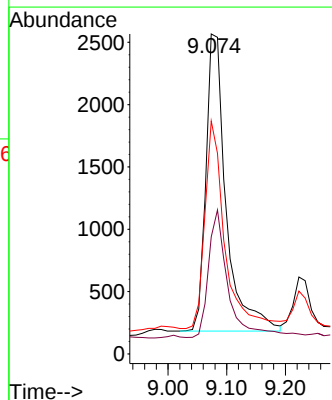
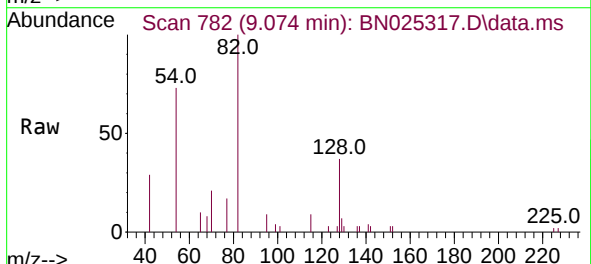
Instrument :
BNA_N
ClientSampleId :
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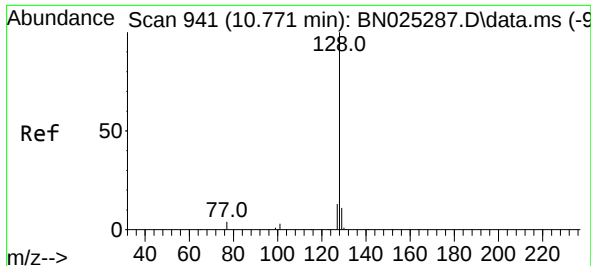
Tgt Ion:136	Resp:	28663
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.4 14.2
54	10.5	8.5 12.7
68	7.3	5.8 8.8



#8
Nitrobenzene-d5
Concen: 0.244 ng
RT: 9.074 min Scan# 782
Delta R.T. -0.021 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion: 82	Resp:	5748
Ion Ratio	Lower	Upper
82	100	
128	36.6	35.3 52.9
54	72.8	48.7 73.1

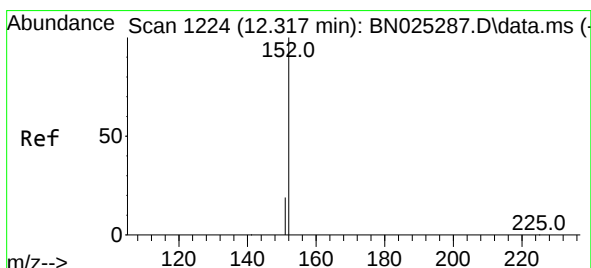
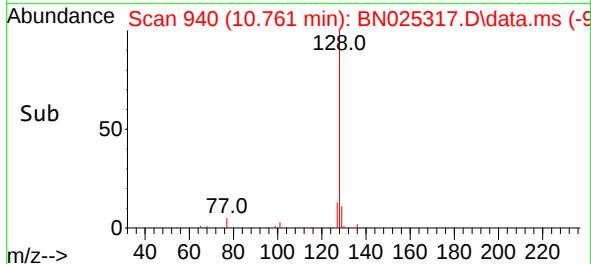
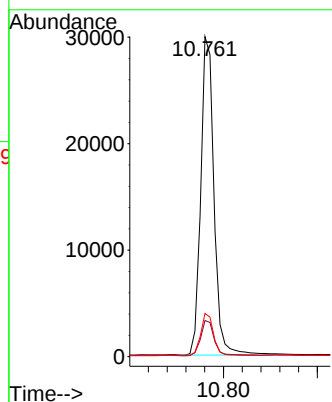
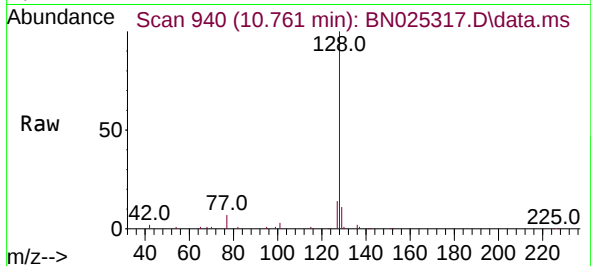




#9
Naphthalene
Concen: 0.797 ng
RT: 10.761 min Scan# 941
Delta R.T. -0.011 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

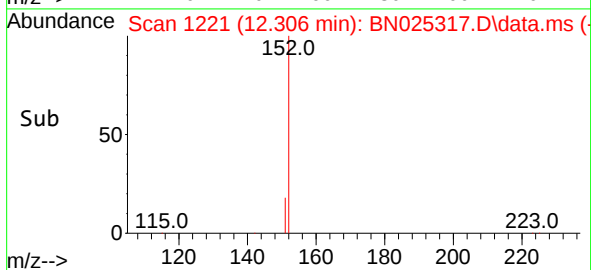
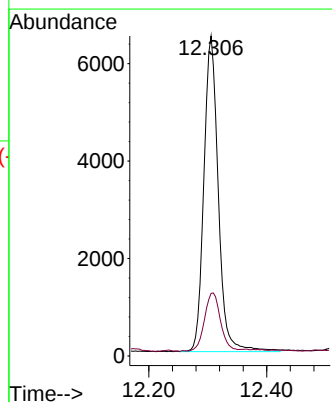
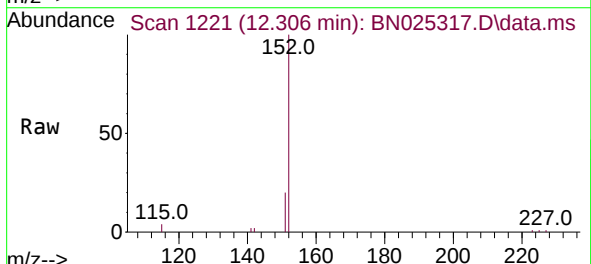
Instrument :
BNA_N
ClientSampleId :
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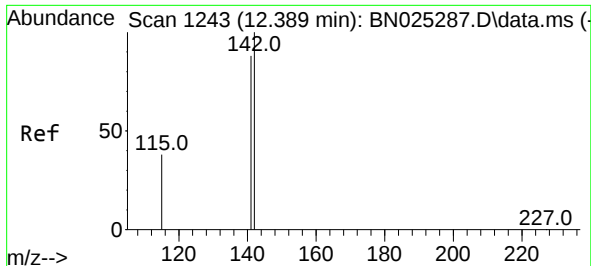
Tgt Ion:128 Resp: 58615
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.2
127 13.5 11.0 16.6



#11
2-Methylnaphthalene-d10
Concen: 0.280 ng
RT: 12.306 min Scan# 1221
Delta R.T. -0.011 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:152 Resp: 10978
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6

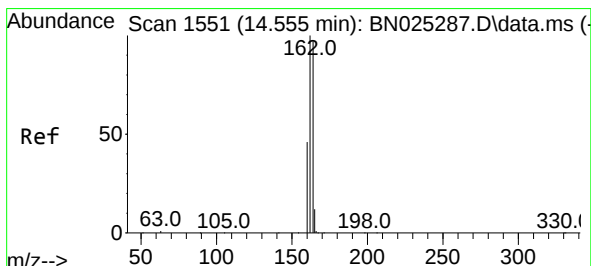
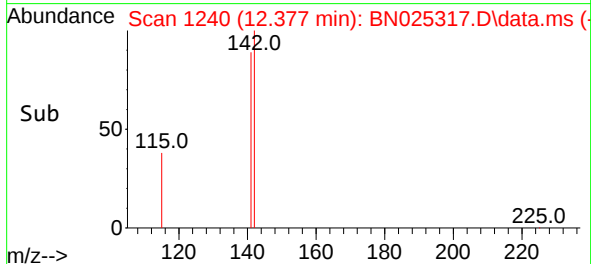
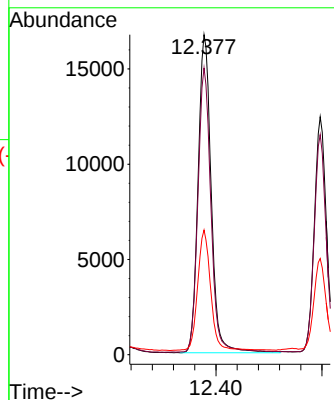
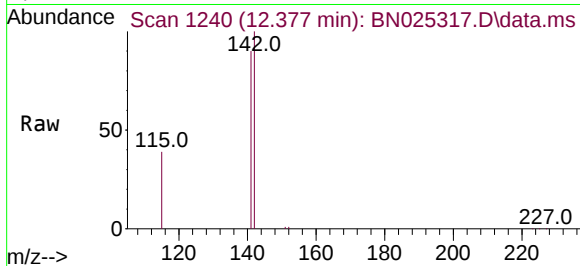




#12
2-Methylnaphthalene
Concen: 0.551 ng
RT: 12.377 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

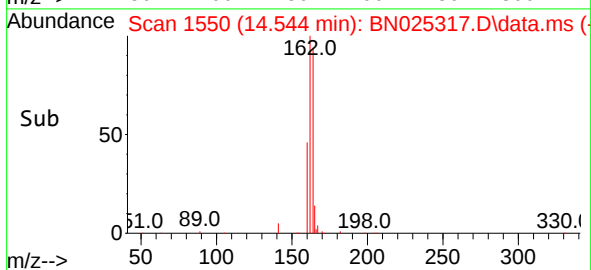
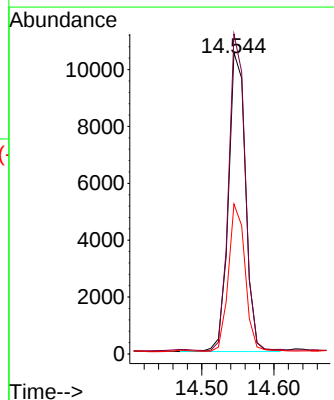
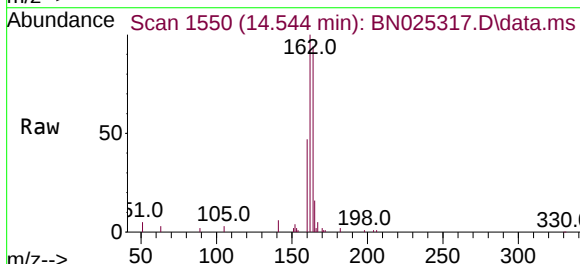
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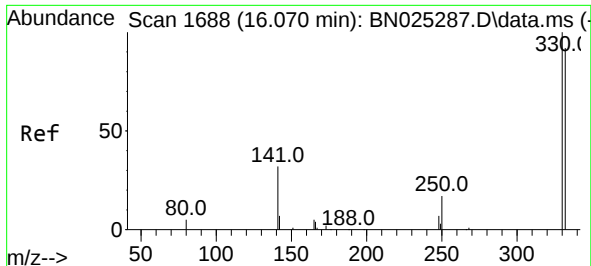
Tgt Ion:142 Resp: 28632
Ion Ratio Lower Upper
142 100
141 89.6 70.5 105.7
115 39.0 31.6 47.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1550
Delta R.T. -0.011 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

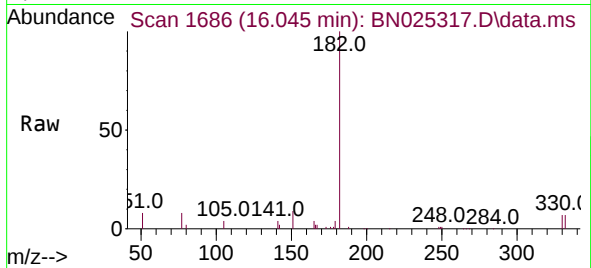
Tgt Ion:164 Resp: 17349
Ion Ratio Lower Upper
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162 106.2 82.1 123.1
160 49.8 38.3 57.5



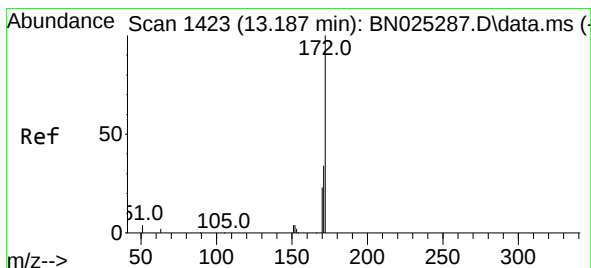
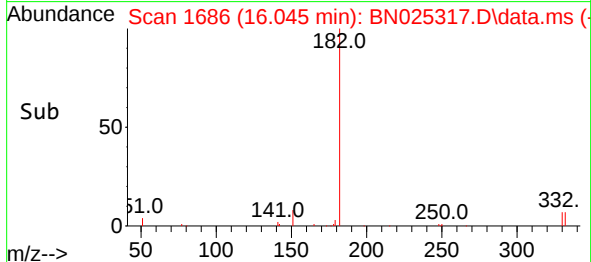
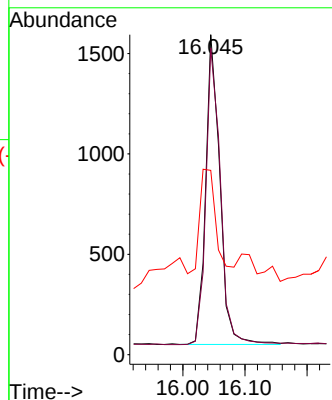


#14
2,4,6-Tribromophenol
Concen: 0.276 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.025 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Instrument :
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ClientSampleId :
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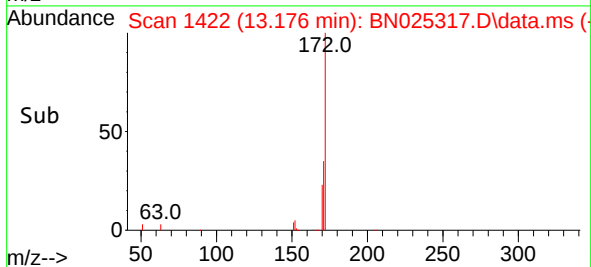
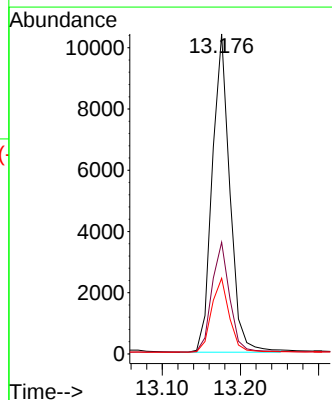
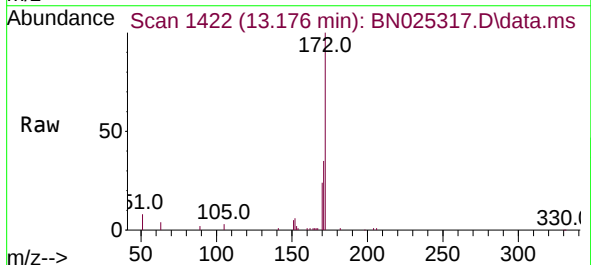


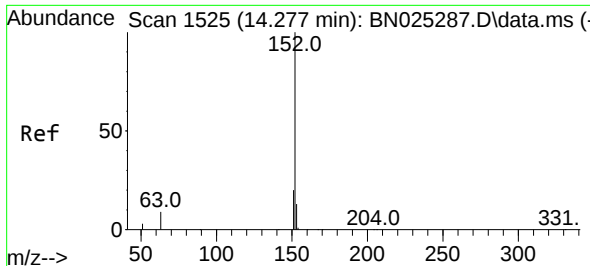
Tgt Ion:330 Resp: 2452
Ion Ratio Lower Upper
330 100
332 98.5 77.4 116.0
141 39.7 28.9 43.3



#15
2-Fluorobiphenyl
Concen: 0.273 ng
RT: 13.176 min Scan# 1422
Delta R.T. -0.011 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:172 Resp: 16262
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.7 19.0 28.4

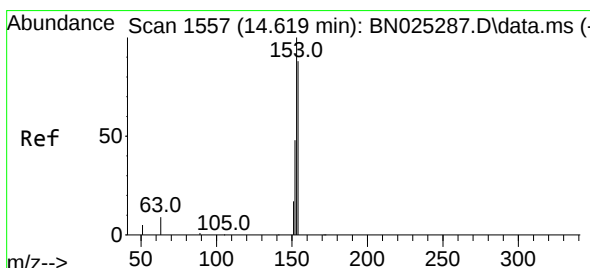
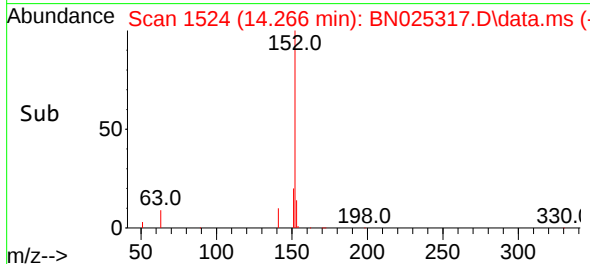
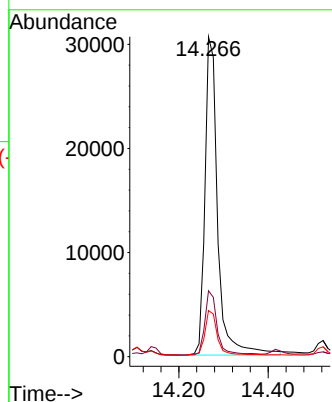
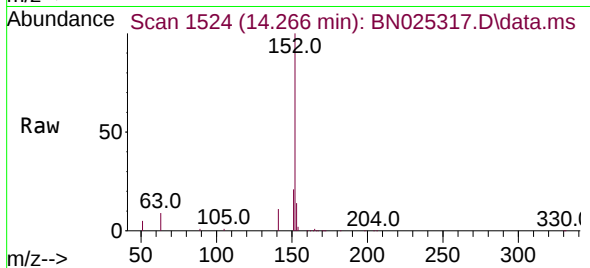




#16
Acenaphthylene
Concen: 0.776 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.011 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

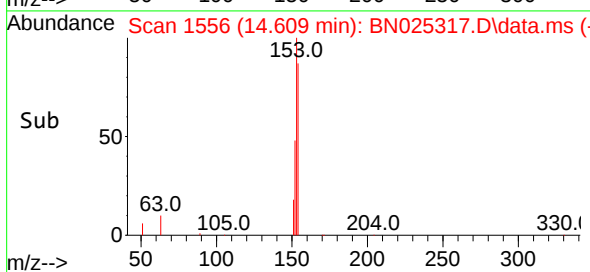
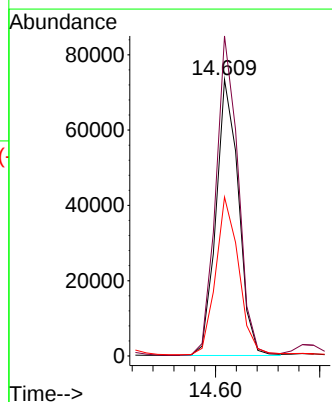
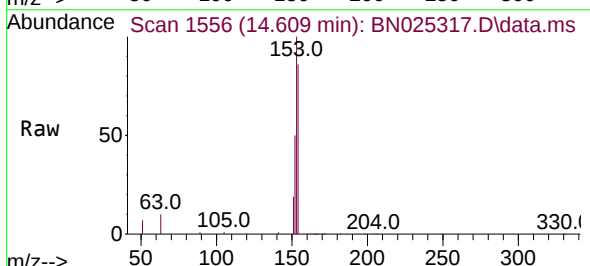
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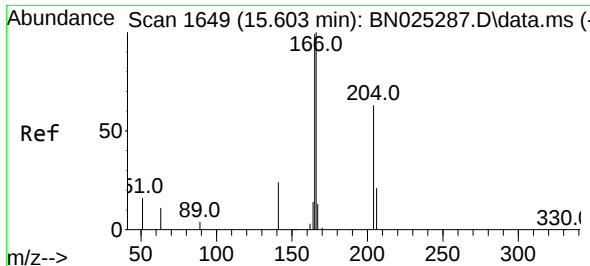
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Ion Ratio Lower Upper
152 100
151 19.6 16.1 24.1
153 14.0 10.3 15.5



#17
Acenaphthene
Concen: 2.276 ng
RT: 14.609 min Scan# 1556
Delta R.T. -0.011 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:154 Resp: 109949
Ion Ratio Lower Upper
154 100
153 114.6 91.3 136.9
152 59.1 44.7 67.1

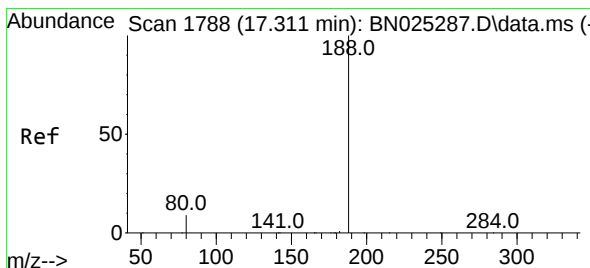
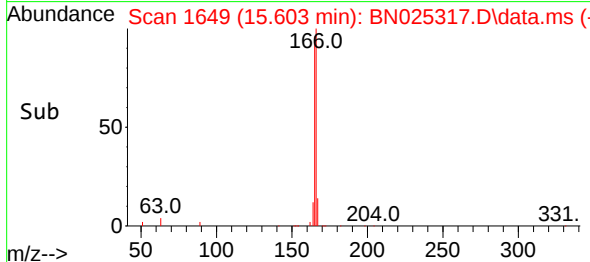
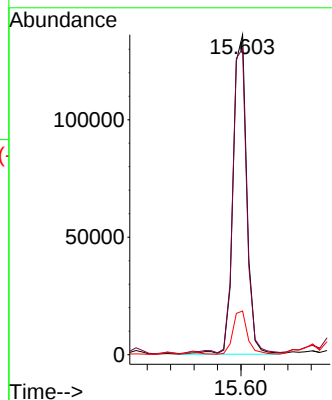
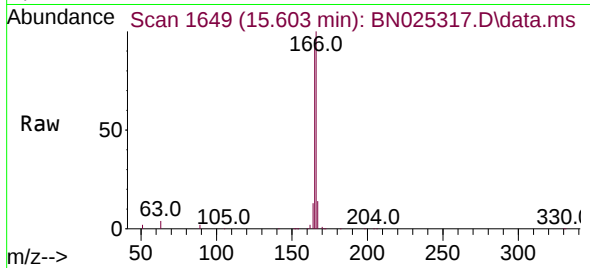




#18
Fluorene
Concen: 3.340 ng
RT: 15.603 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

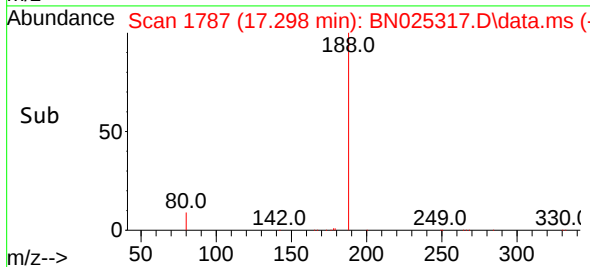
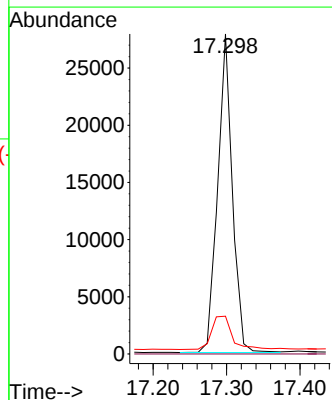
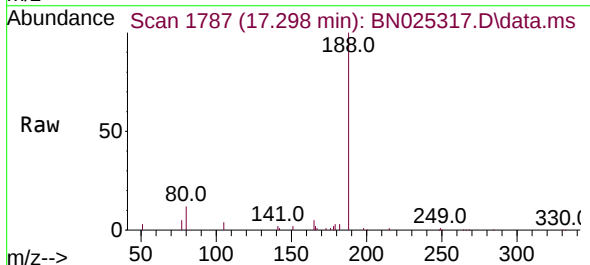
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

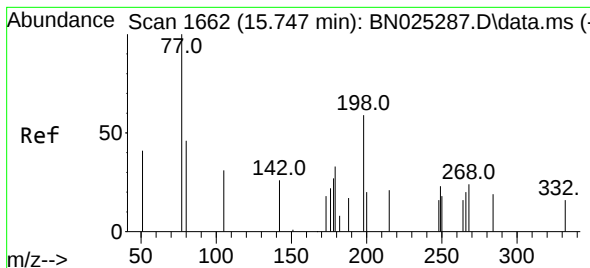
Tgt Ion:166 Resp: 221092
Ion Ratio Lower Upper
166 100
165 96.2 79.0 118.4
167 14.3 10.3 15.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.298 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:188 Resp: 38662
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 8.0 12.0

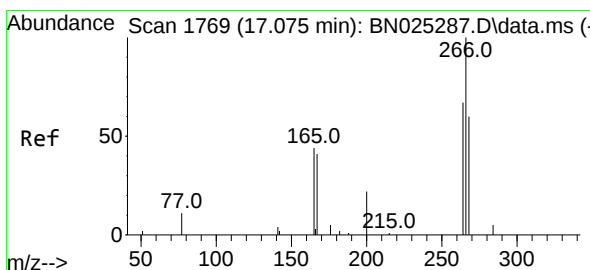
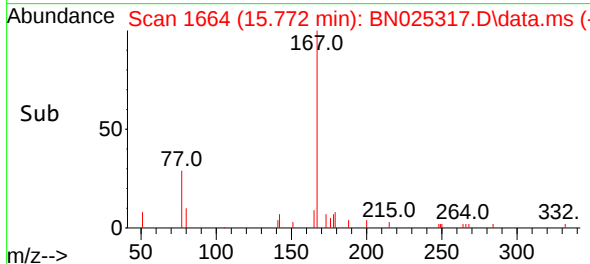
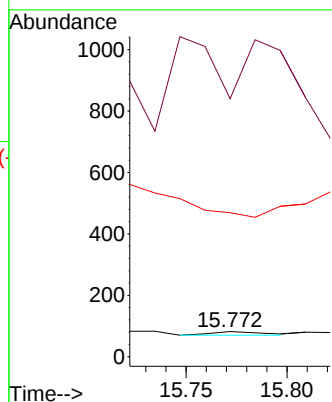
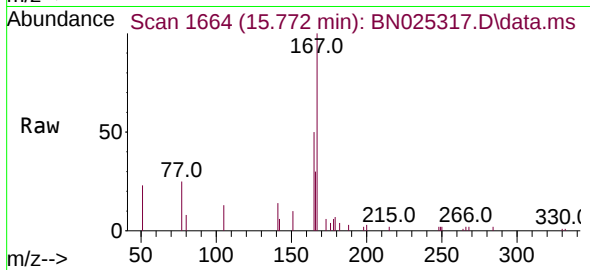




#20
4,6-Dinitro-2-methylphenol
Concen: 0.283 ng
RT: 15.772 min Scan# 1664
Delta R.T. 0.025 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

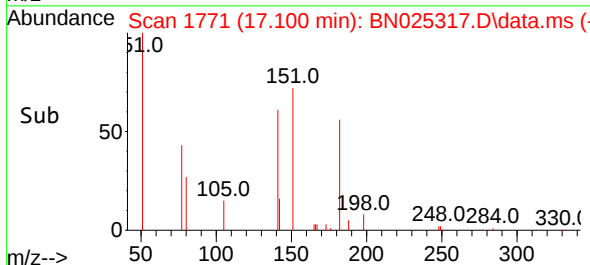
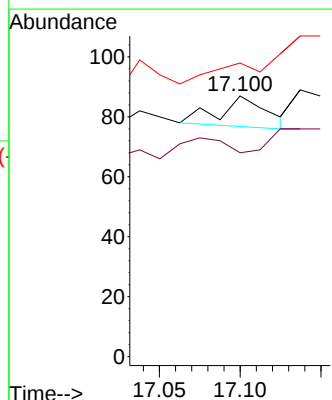
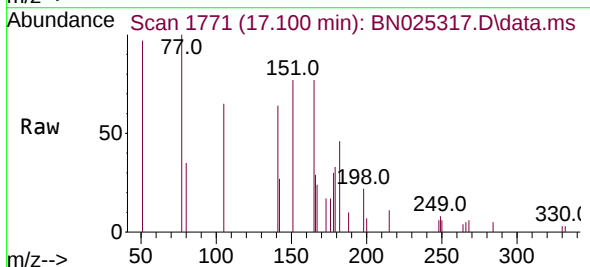
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

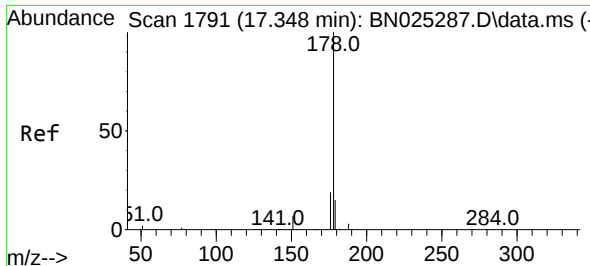
Tgt Ion:198 Resp: 22
Ion Ratio Lower Upper
198 100
51 1024.4 162.1 243.1#
105 572.0 83.1 124.7#



#24
Pentachlorophenol
Concen: 0.268 ng
RT: 17.100 min Scan# 1771
Delta R.T. 0.025 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:266 Resp: 20
Ion Ratio Lower Upper
266 100
264 0.0 43.0 64.4#
268 0.0 47.4 71.2#

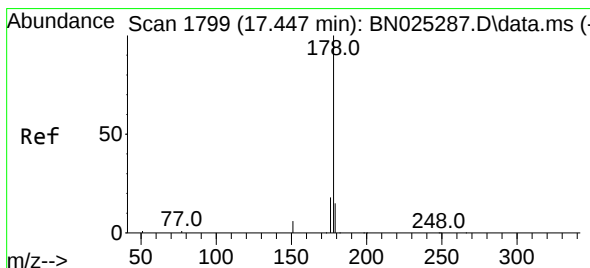
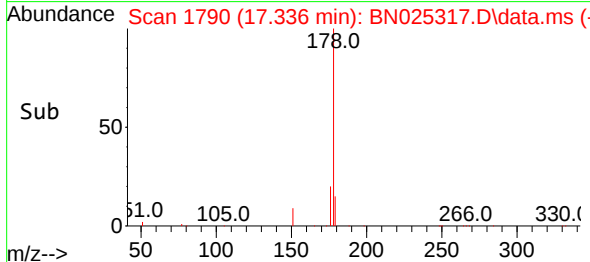
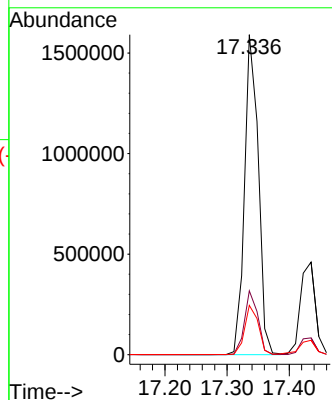
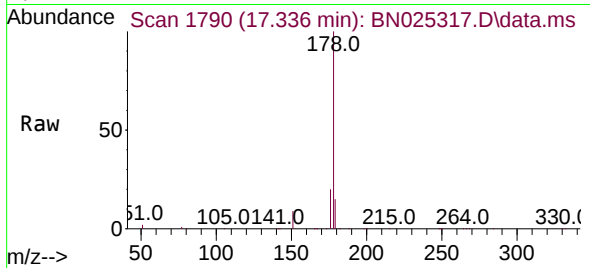




#25
Phenanthrene
Concen: 22.979 ng
RT: 17.336 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

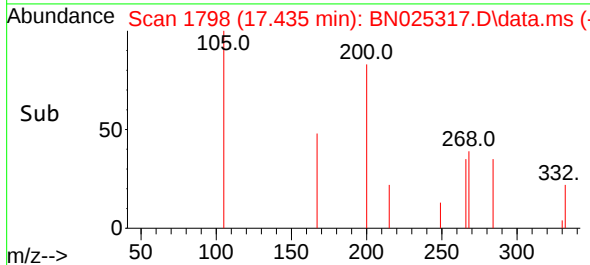
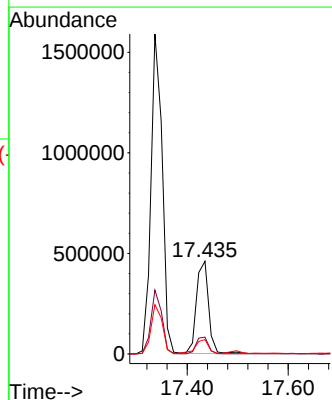
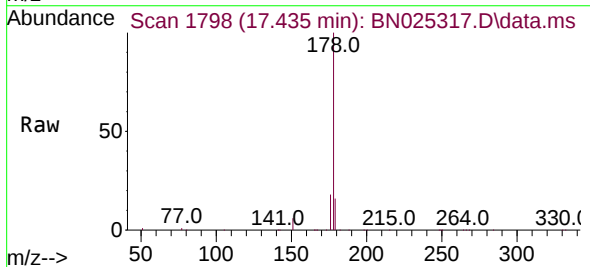
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

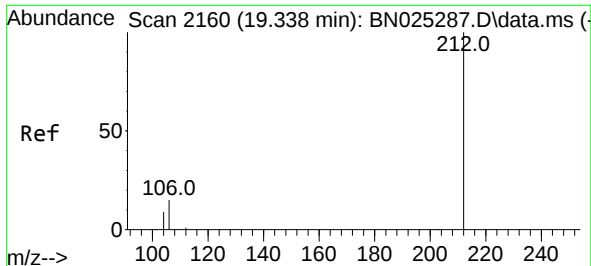
Tgt Ion:178 Resp: 2458071
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.5 12.4 18.6



#26
Anthracene
Concen: 7.678 ng
RT: 17.435 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:178 Resp: 769392
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.6 12.0 18.0

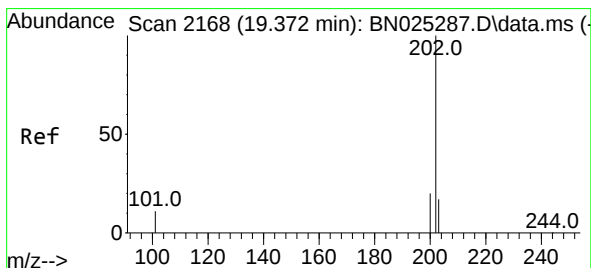
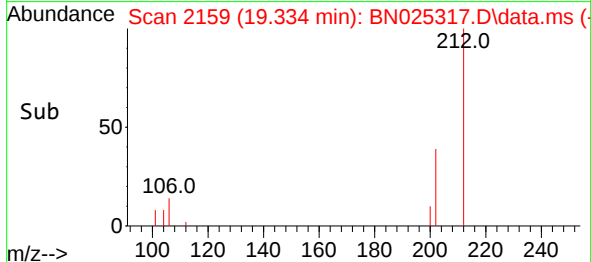
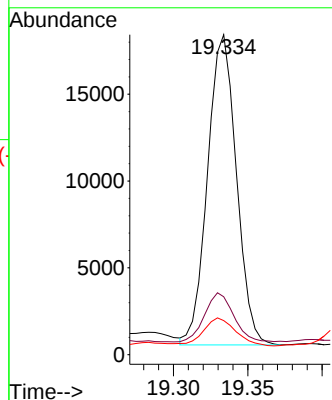
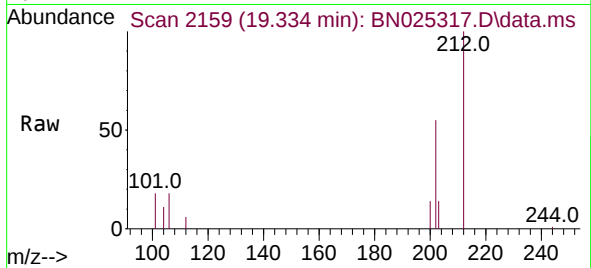




#27
Fluoranthene-d10
Concen: 0.252 ng
RT: 19.334 min Scan# 2160
Delta R.T. -0.004 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

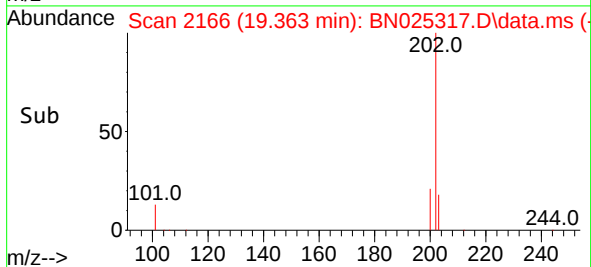
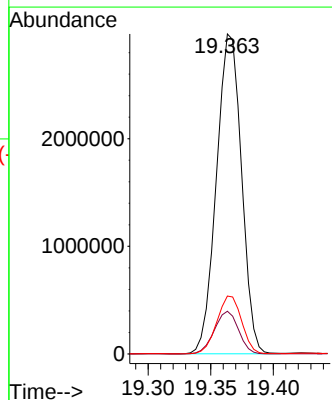
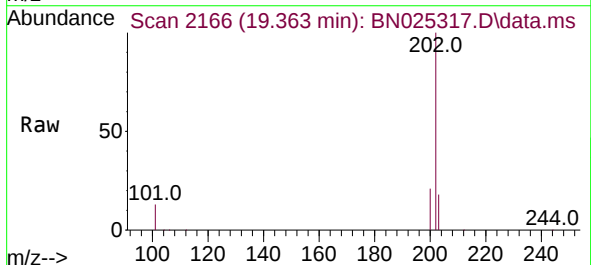
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

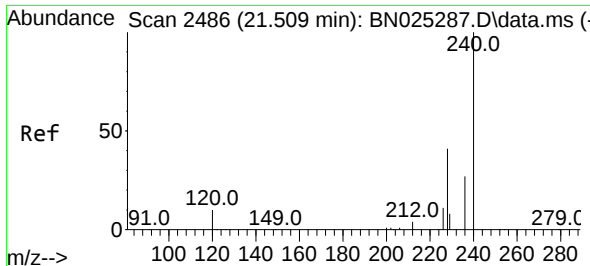
Tgt Ion:212 Resp: 24119
Ion Ratio Lower Upper
212 100
106 16.0 12.6 19.0
104 10.1 7.0 10.6



#28
Fluoranthene
Concen: 30.998 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.008 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:202 Resp: 4143134
Ion Ratio Lower Upper
202 100
101 12.8 9.8 14.8
203 17.8 13.5 20.3

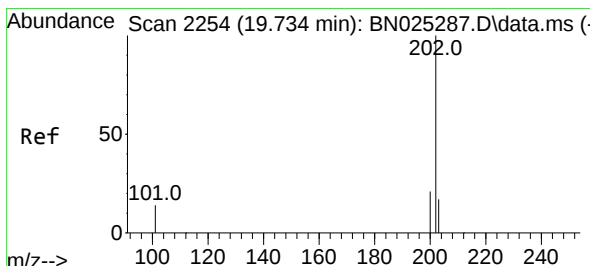
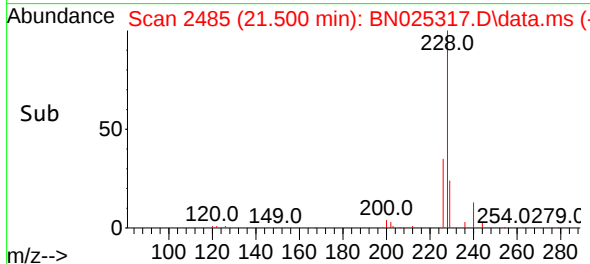
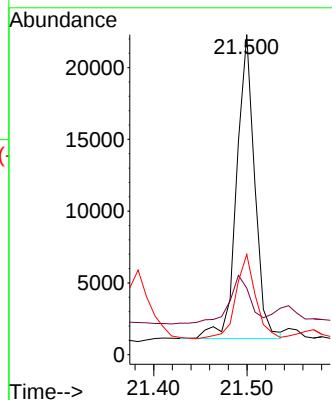
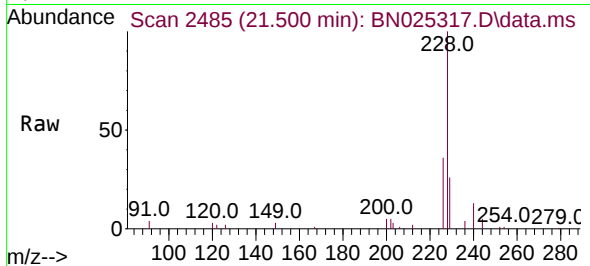




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.500 min Scan# 2486
Delta R.T. -0.009 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

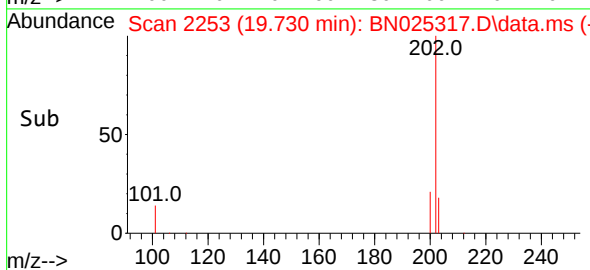
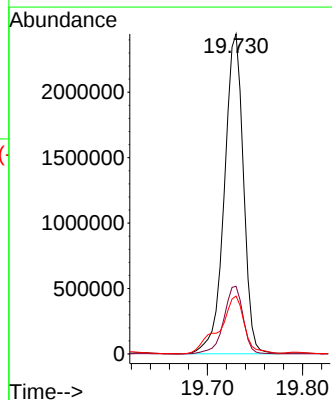
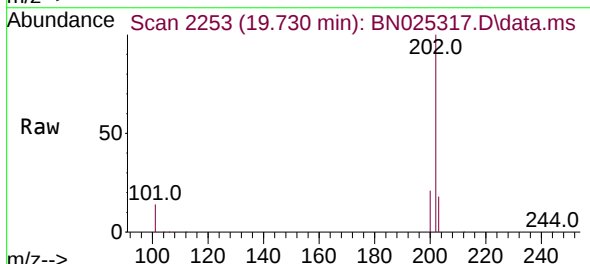
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

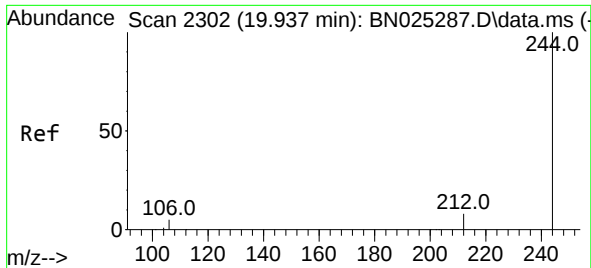
Tgt Ion:240 Resp: 28560
Ion Ratio Lower Upper
240 100
120 20.8 10.3 15.5#
236 31.3 22.3 33.5



#30
Pyrene
Concen: 34.917 ng
RT: 19.730 min Scan# 2253
Delta R.T. -0.004 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:202 Resp: 3409104
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 23.6 14.4 21.6#

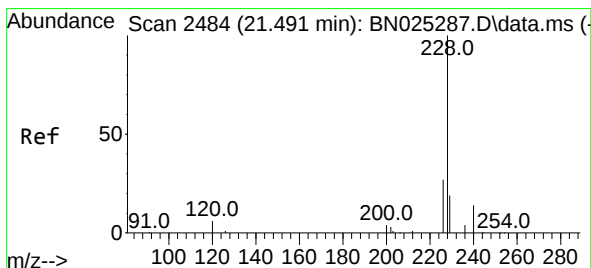
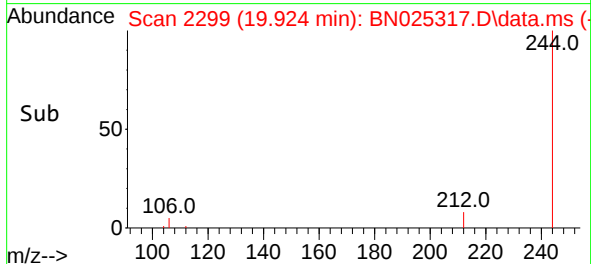
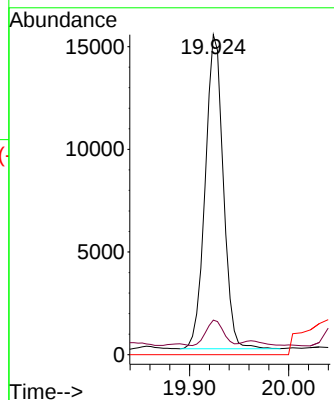
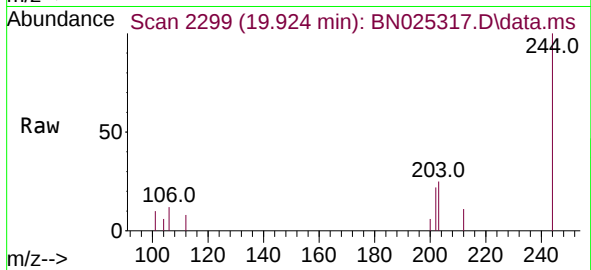




#31
 Terphenyl-d14
 Concen: 0.336 ng
 RT: 19.924 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: BN025317.D
 Acq: 06 May 2023 15:56

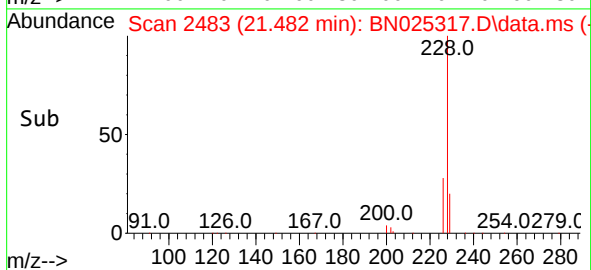
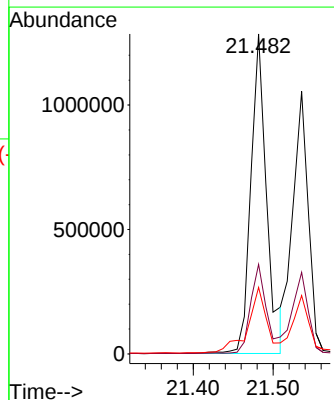
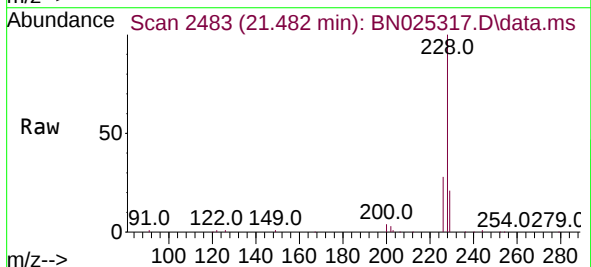
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-0-3-05012023

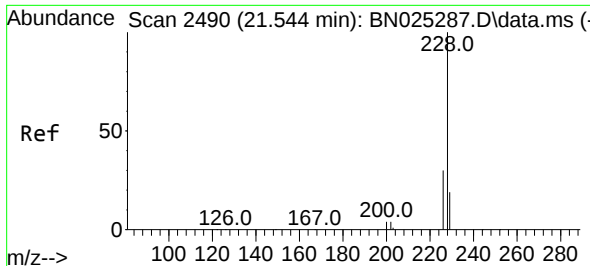
Tgt Ion:244 Resp: 19339
 Ion Ratio Lower Upper
 244 100
 212 10.8 7.1 10.7#
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 18.230 ng
 RT: 21.482 min Scan# 2483
 Delta R.T. -0.009 min
 Lab File: BN025317.D
 Acq: 06 May 2023 15:56

Tgt Ion:228 Resp: 1759857
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.5 33.7
 229 20.8 16.2 24.2





#33

Chrysene

Concen: 14.730 ng

RT: 21.536 min Scan# 2490

Delta R.T. -0.009 min

Lab File: BN025317.D

Acq: 06 May 2023 15:56

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023

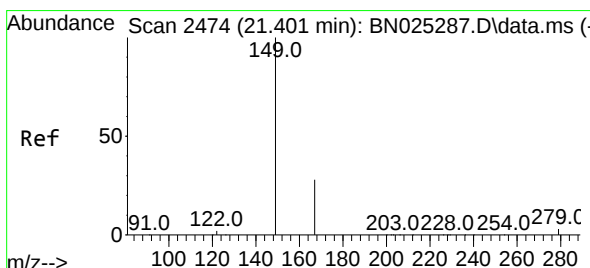
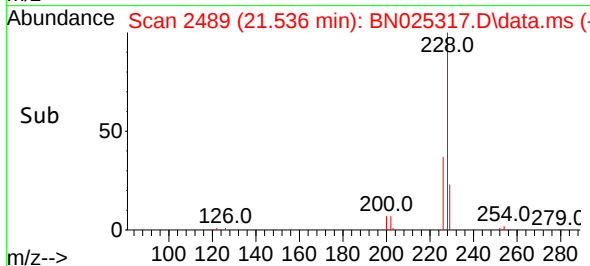
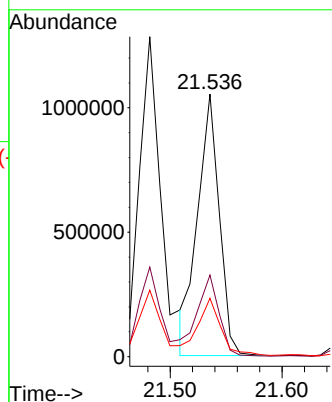
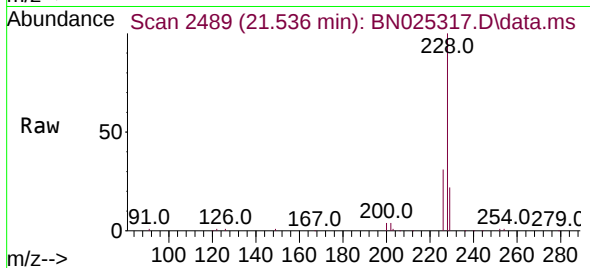
Tgt Ion:228 Resp: 1415374

Ion Ratio Lower Upper

228 100

226 31.1 24.6 36.8

229 22.3 16.2 24.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.484 ng

RT: 21.392 min Scan# 2473

Delta R.T. -0.009 min

Lab File: BN025317.D

Acq: 06 May 2023 15:56

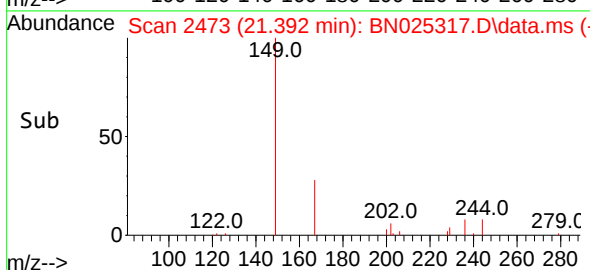
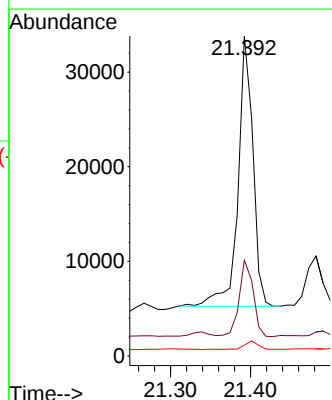
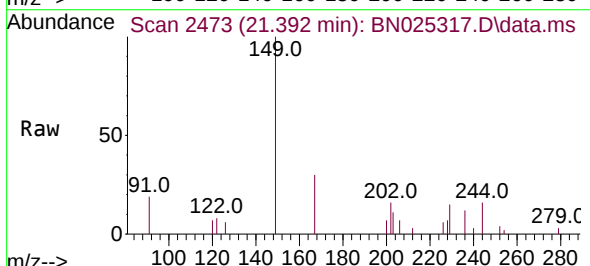
Tgt Ion:149 Resp: 36691

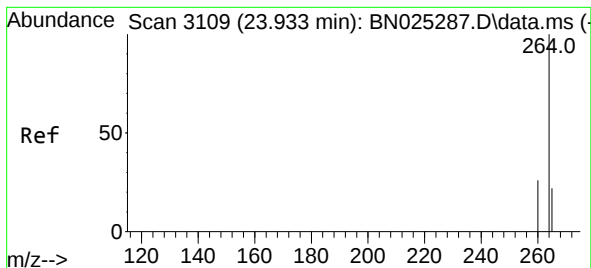
Ion Ratio Lower Upper

149 100

167 26.6 22.2 33.4

279 3.0 2.6 4.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.936 min Scan# 3110

Delta R.T. 0.003 min

Lab File: BN025317.D

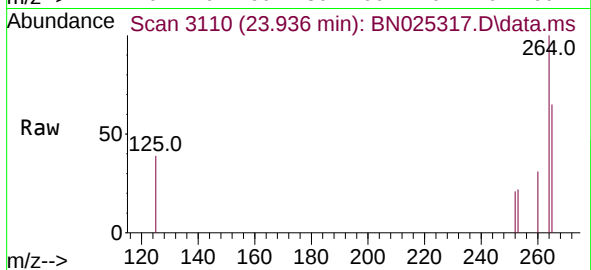
Acq: 06 May 2023 15:56

Instrument :

BNA_N

ClientSampleId :

ZONE-B-0-3-05012023



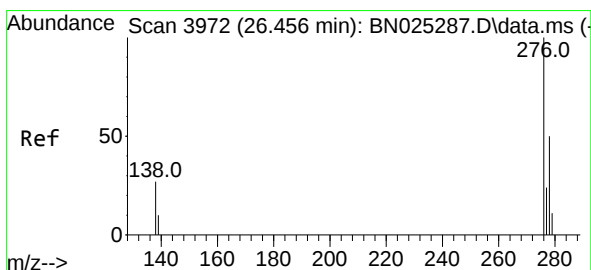
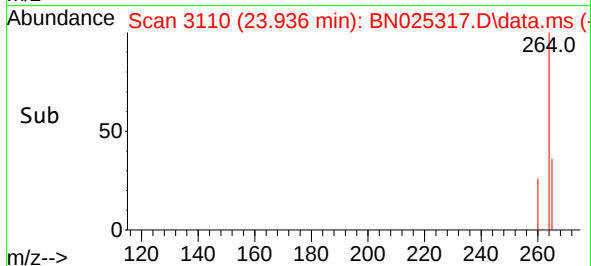
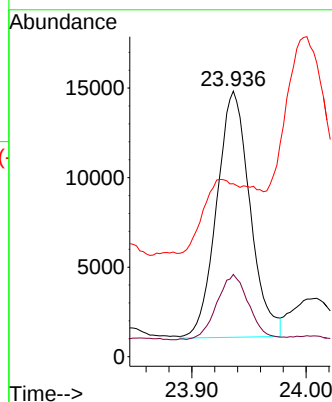
Tgt Ion:264 Resp: 27851

Ion Ratio Lower Upper

264 100

260 31.0 21.5 32.3

265 65.1 46.2 69.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 6.106 ng

RT: 26.474 min Scan# 3978

Delta R.T. 0.018 min

Lab File: BN025317.D

Acq: 06 May 2023 15:56

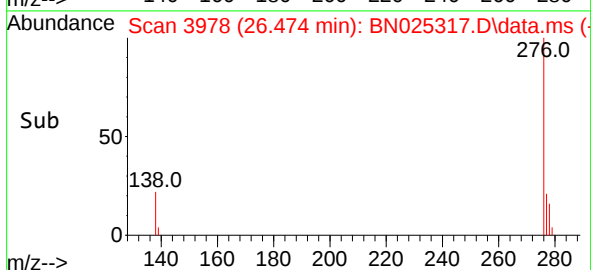
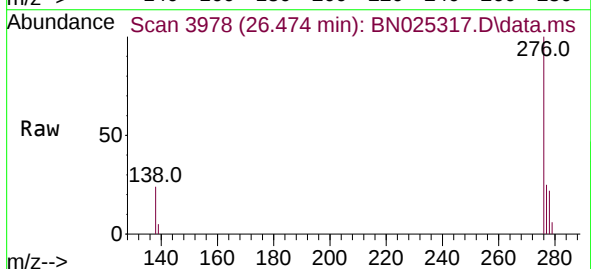
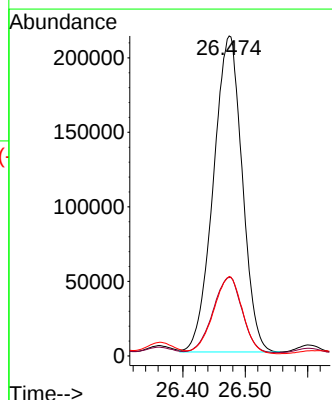
Tgt Ion:276 Resp: 681790

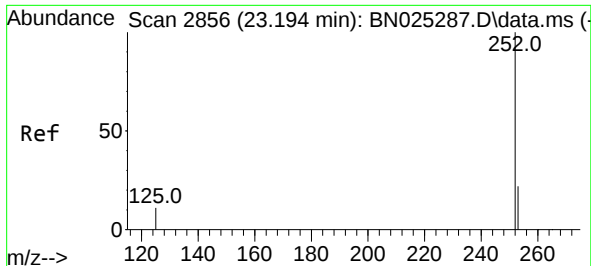
Ion Ratio Lower Upper

276 100

138 24.1 22.5 33.7

277 24.6 19.8 29.6

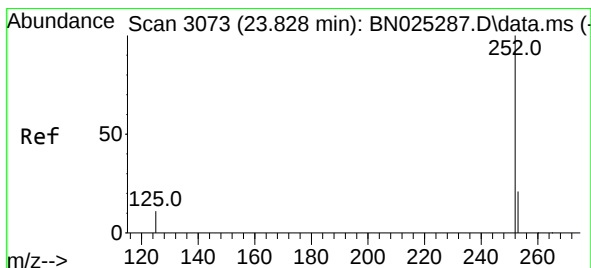
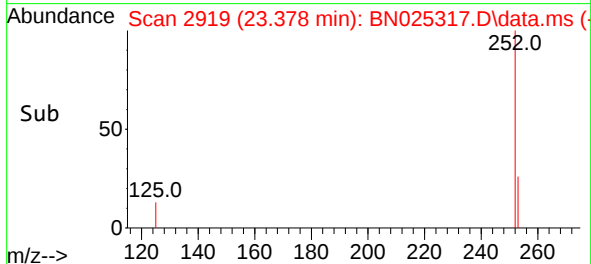
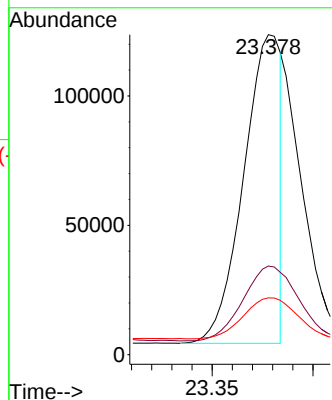
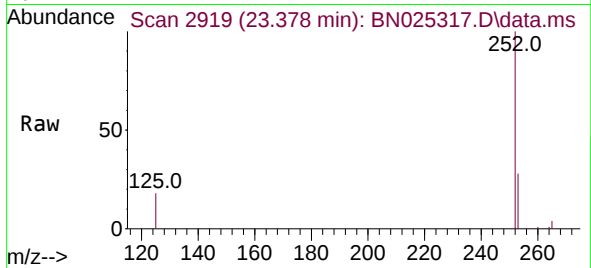




#37
Benzo(b)fluoranthene
Concen: 1.725 ng
RT: 23.378 min Scan# 2919
Delta R.T. 0.184 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

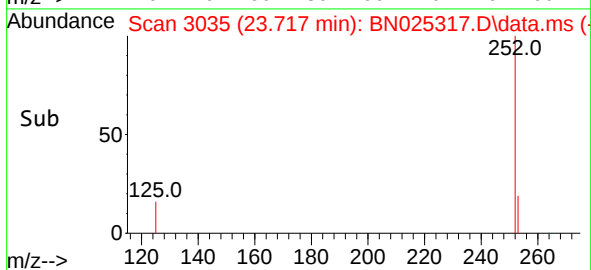
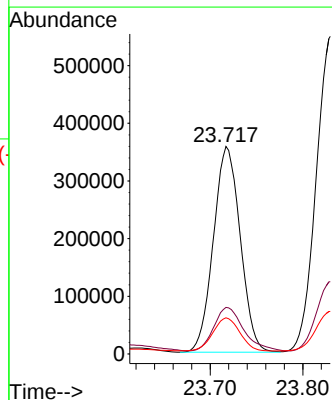
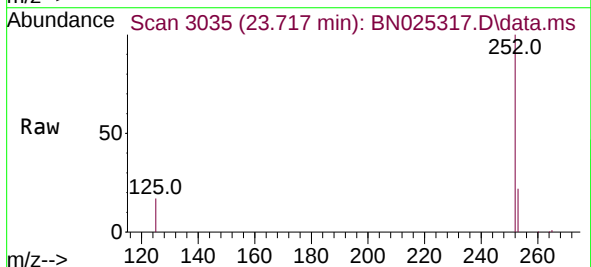
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023

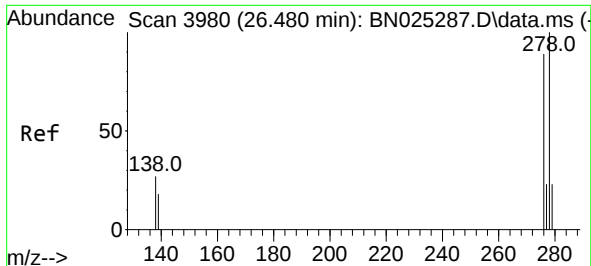
Tgt Ion:252 Resp: 152295
Ion Ratio Lower Upper
252 100
253 27.7 20.8 31.2
125 17.8 13.4 20.2



#39
Benzo(a)pyrene
Concen: 7.941 ng
RT: 23.717 min Scan# 3035
Delta R.T. -0.111 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:252 Resp: 718250
Ion Ratio Lower Upper
252 100
253 22.5 21.4 32.0
125 17.4 15.4 23.2

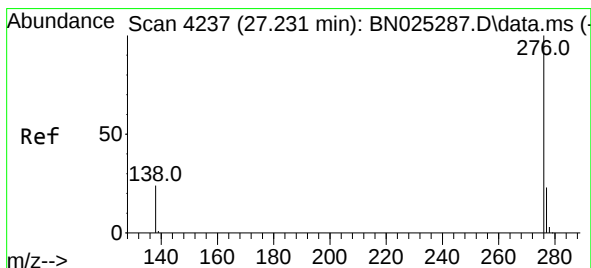
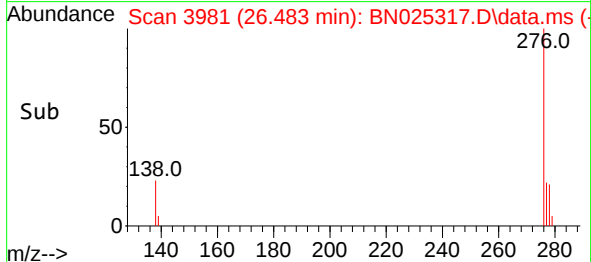
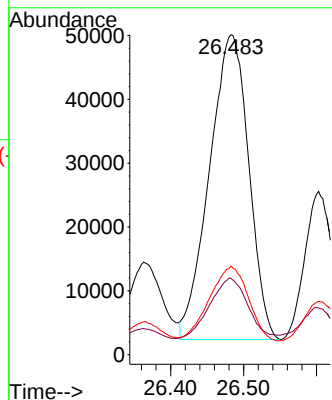
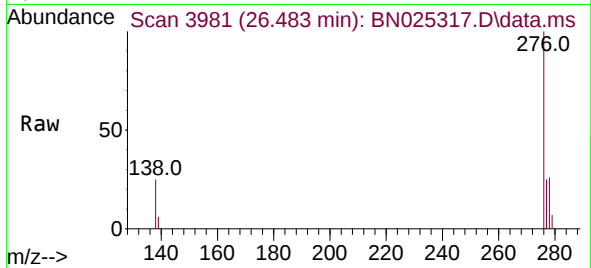




#40
Dibenzo(a,h)anthracene
Concen: 2.033 ng
RT: 26.483 min Scan# 3980
Delta R.T. 0.003 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

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

Tgt Ion:278 Resp: 179237
Ion Ratio Lower Upper
278 100
139 23.9 17.6 26.4
279 27.7 21.6 32.4



#41
Benzo(g,h,i)perylene
Concen: 6.255 ng
RT: 27.258 min Scan# 4246
Delta R.T. 0.026 min
Lab File: BN025317.D
Acq: 06 May 2023 15:56

Tgt Ion:276 Resp: 605656
Ion Ratio Lower Upper
276 100
277 24.2 20.1 30.1
138 25.2 21.0 31.6

