

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025299.D
 Acq On : 06 May 2023 04:01
 Operator : CG/JU
 Sample : 02588-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-6-9-05012023

Quant Time: May 08 03:19:31 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

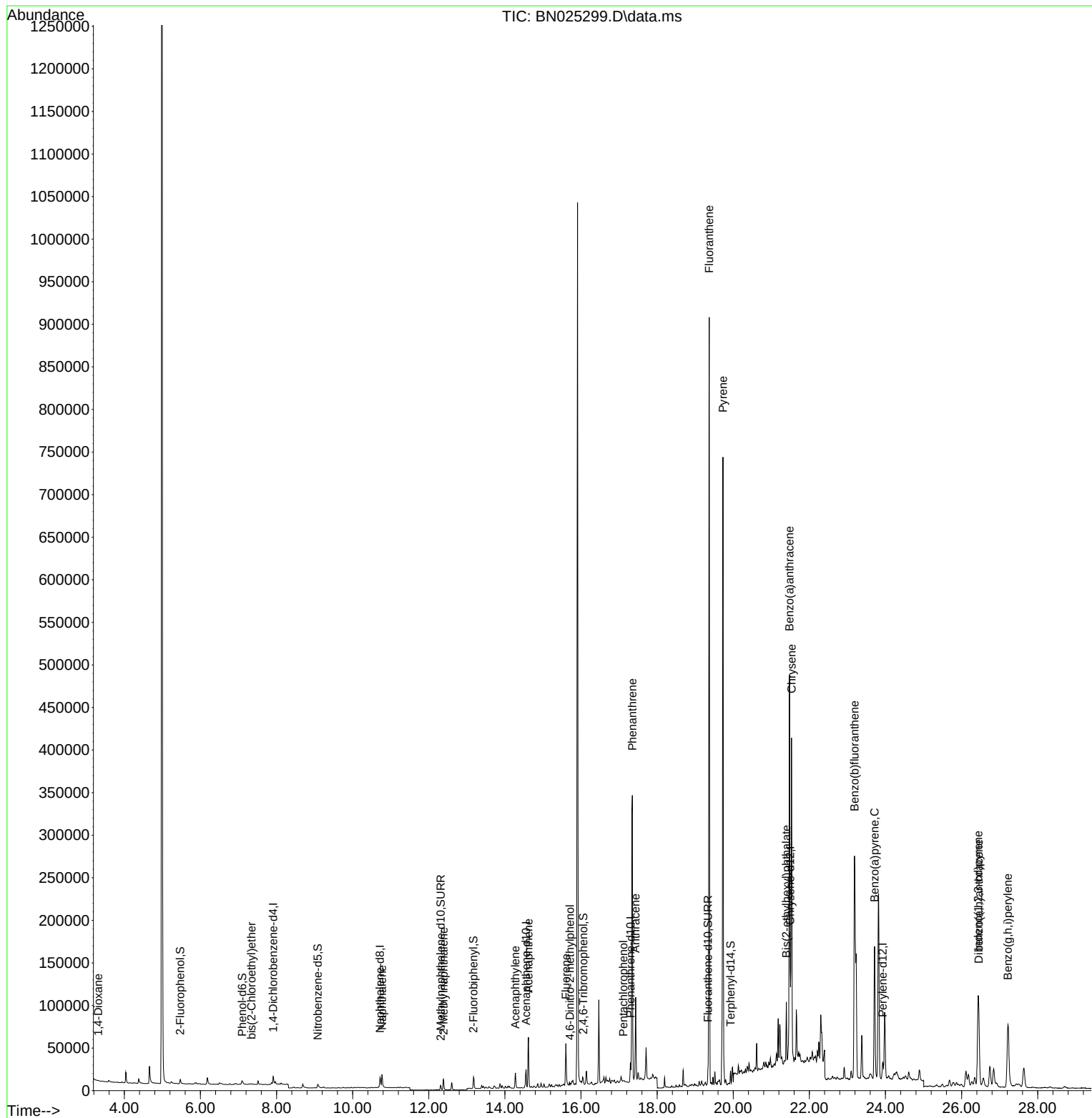
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	5311	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	18290	0.400	ng	#-0.01
13) Acenaphthene-d10	14.555	164	12132	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	28272	0.400	ng	#-0.01
29) Chrysene-d12	21.495	240	26769	0.400	ng	#-0.01
35) Perylene-d12	23.929	264	29302	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.470	112	4838	0.374	ng	0.00
5) Phenol-d6	7.095	99	6067	0.374	ng	0.00
8) Nitrobenzene-d5	9.084	82	4411	0.293	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	8522	0.341	ng	0.00
14) 2,4,6-Tribromophenol	16.057	330	2454	0.396	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	12841	0.309	ng	-0.01
27) Fluoranthene-d10	19.338	212	20872	0.298	ng	0.00
31) Terphenyl-d14	19.928	244	16080	0.298	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.318	88	177	0.032	ng	# 63
6) bis(2-Chloroethyl)ether	7.340	93	306	0.021	ng	# 71
9) Naphthalene	10.771	128	21366	0.455	ng	99
12) 2-Methylnaphthalene	12.385	142	9626	0.290	ng	99
16) Acenaphthylene	14.277	152	19351	0.356	ng	98
17) Acenaphthene	14.619	154	30412	0.900	ng	100
18) Fluorene	15.603	166	30336	0.655	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.710	198	57	0.289	ng	# 1
24) Pentachlorophenol	17.112	266	35	0.272	ng	# 23
25) Phenanthrene	17.348	178	392386	5.016	ng	100
26) Anthracene	17.435	178	92653	1.264	ng	# 96
28) Fluoranthene	19.367	202	744525	7.618	ng	99
30) Pyrene	19.730	202	654586	7.153	ng	# 94
32) Benzo(a)anthracene	21.477	228	382261	4.225	ng	99
33) Chrysene	21.531	228	342344	3.801	ng	99
34) Bis(2-ethylhexyl)phtha...	21.396	149	56686	0.798	ng	98
36) Indeno(1,2,3-cd)pyrene	26.437	276	183526	1.562	ng	95
37) Benzo(b)fluoranthene	23.186	252	463436	4.989	ng	95
39) Benzo(a)pyrene	23.712	252	211949	2.227	ng	96
40) Dibenzo(a,h)anthracene	26.452	278	46873	0.505	ng	# 91
41) Benzo(g,h,i)perylene	27.218	276	170175	1.670	ng	99

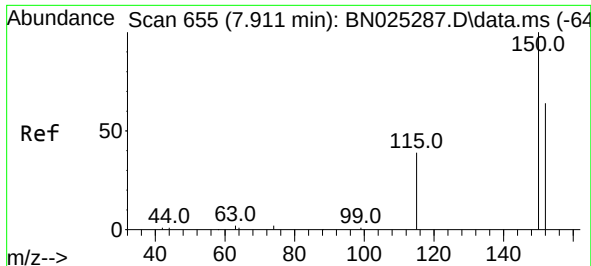
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
Data File : BN025299.D
Acq On : 06 May 2023 04:01
Operator : CG/JU
Sample : 02588-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

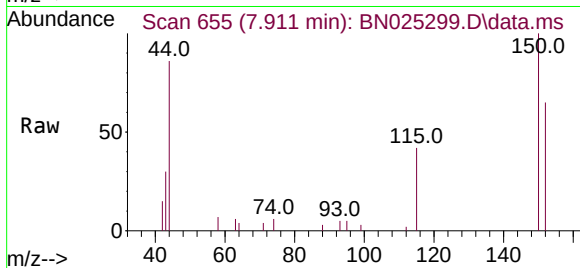
Quant Time: May 08 03:19:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 08 02:37:05 2023
Response via : Initial Calibration



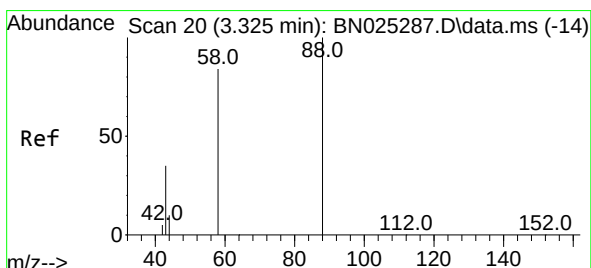
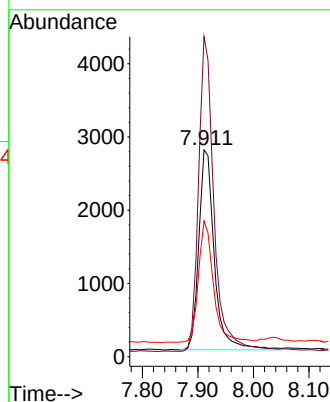
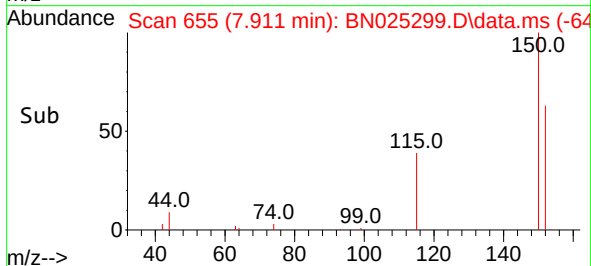


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.911 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN025299.D
 Acq: 06 May 2023 04:01

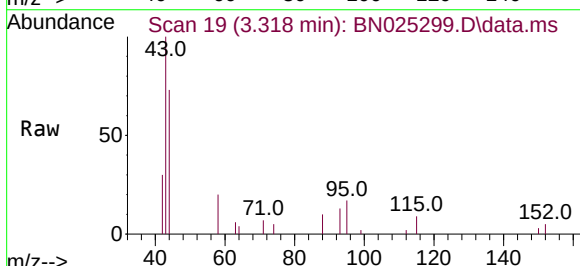
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-6-9-05012023



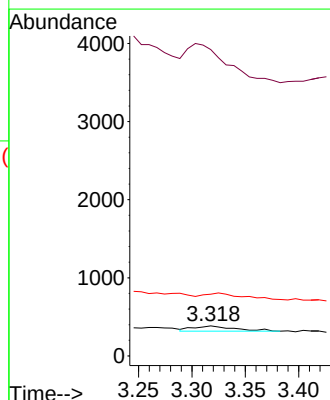
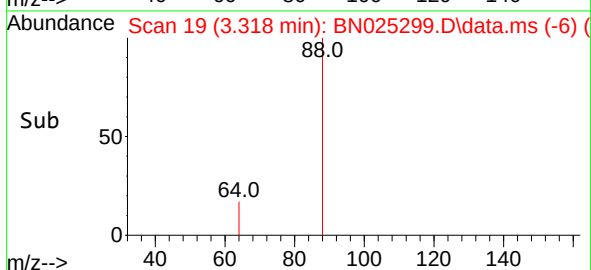
Tgt Ion:152 Resp: 5311
 Ion Ratio Lower Upper
 152 100
 150 154.6 123.8 185.8
 115 65.6 52.9 79.3

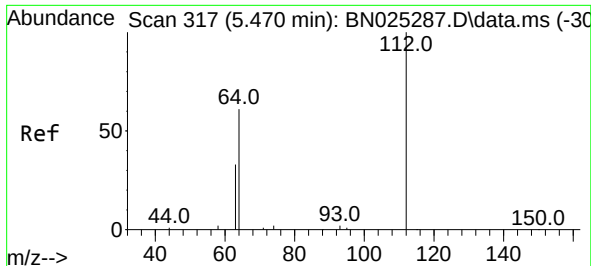


#2
 1,4-Dioxane
 Concen: 0.032 ng
 RT: 3.318 min Scan# 19
 Delta R.T. -0.007 min
 Lab File: BN025299.D
 Acq: 06 May 2023 04:01



Tgt Ion: 88 Resp: 177
 Ion Ratio Lower Upper
 88 100
 43 0.0 37.2 55.8#
 58 107.9 71.5 107.3#

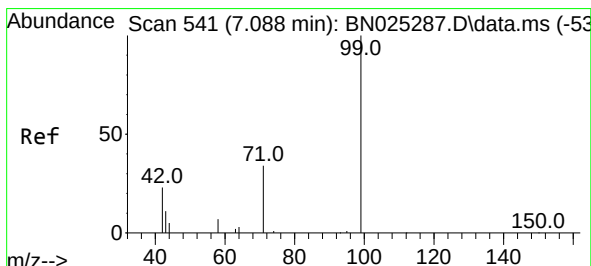
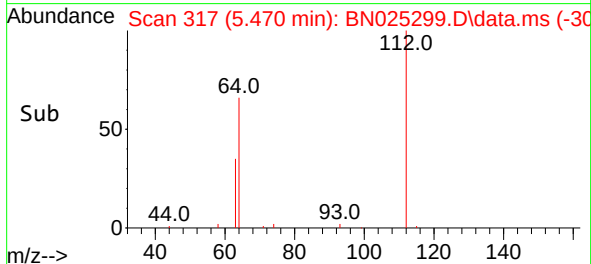
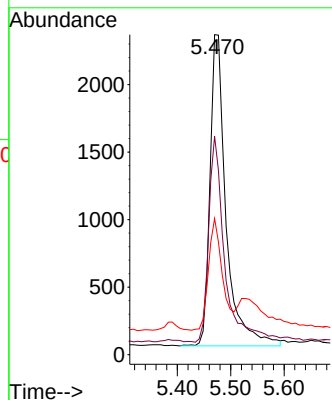
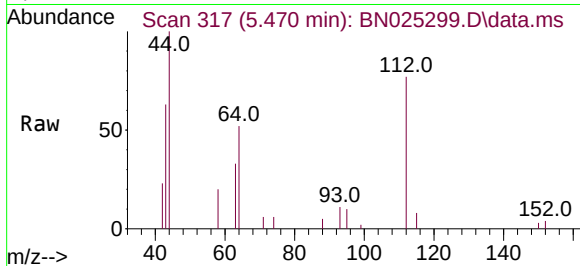




#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.470 min Scan# 317
Delta R.T. -0.000 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

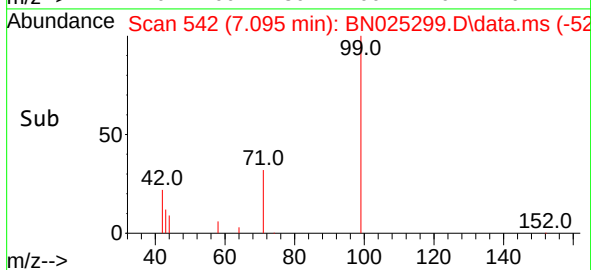
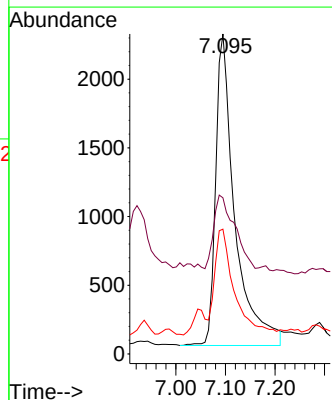
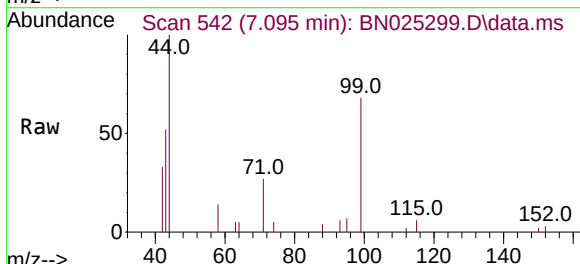
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

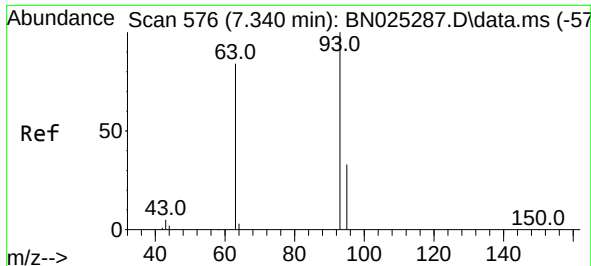
Tgt Ion: 112 Resp: 4838
Ion Ratio Lower Upper
112 100
64 65.3 51.5 77.3
63 31.3 27.8 41.6



#5
Phenol-d6
Concen: 0.374 ng
RT: 7.095 min Scan# 542
Delta R.T. 0.007 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

Tgt Ion: 99 Resp: 6067
Ion Ratio Lower Upper
99 100
42 25.6 22.0 33.0
71 32.3 28.7 43.1

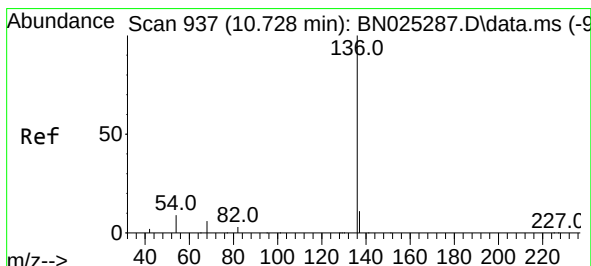
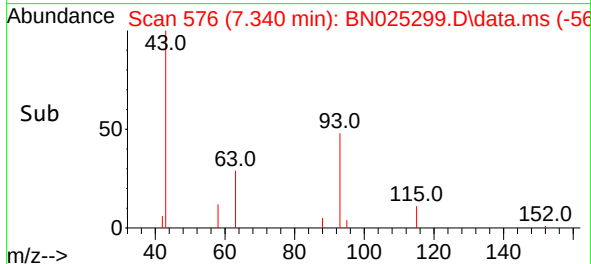
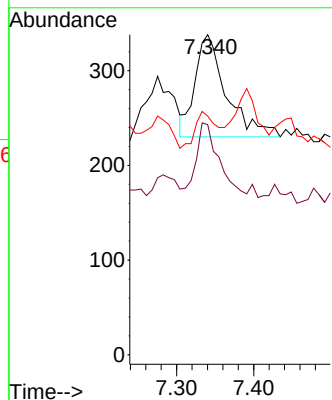
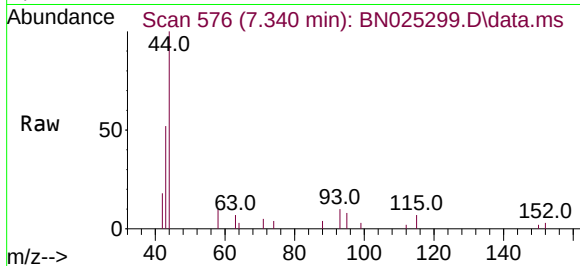




#6
bis(2-Chloroethyl)ether
Concen: 0.021 ng
RT: 7.340 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

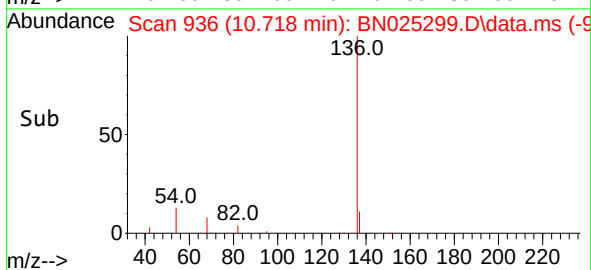
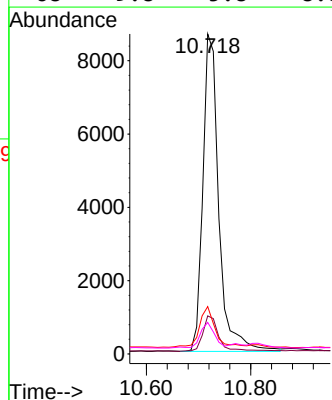
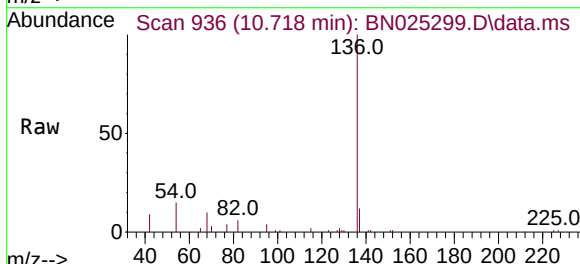
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

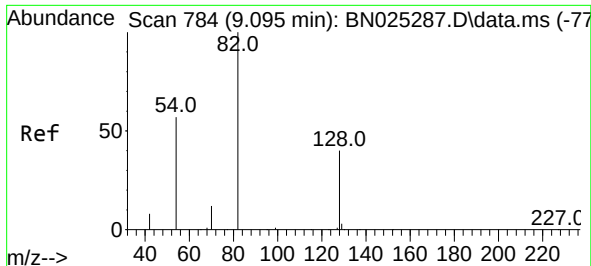
Tgt Ion: 93 Resp: 306
Ion Ratio Lower Upper
93 100
63 55.2 67.8 101.6#
95 22.2 26.7 40.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

Tgt Ion: 136 Resp: 18290
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.2
54 14.8 8.5 12.7#
68 9.8 5.8 8.8#

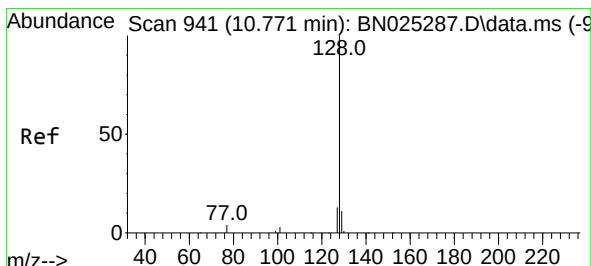
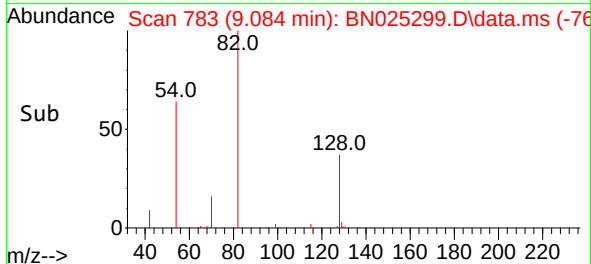
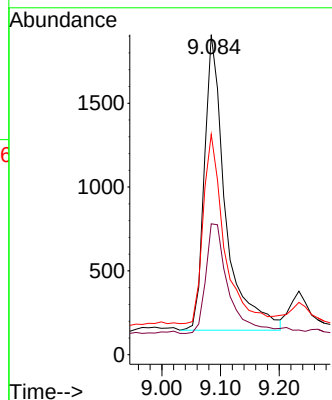
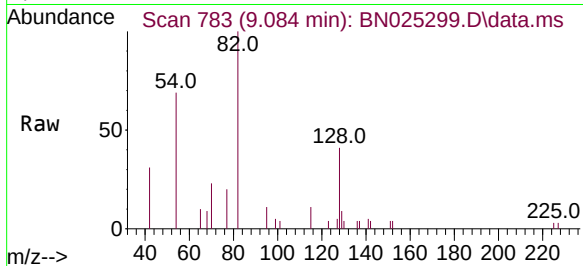




#8
Nitrobenzene-d5
Concen: 0.293 ng
RT: 9.084 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

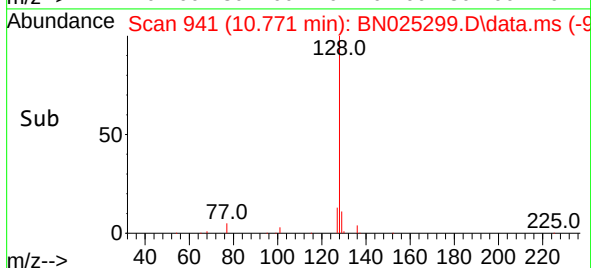
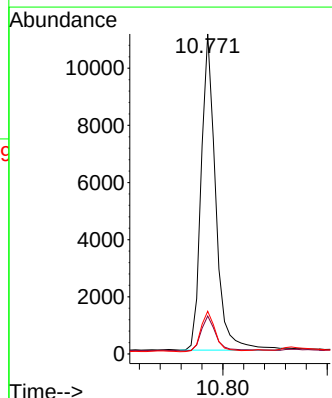
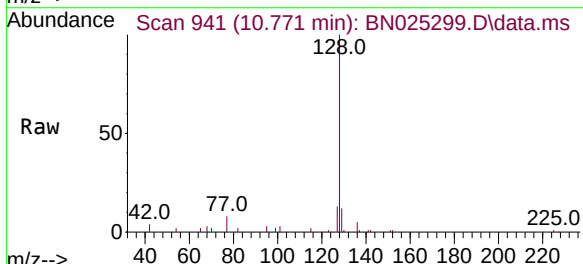
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

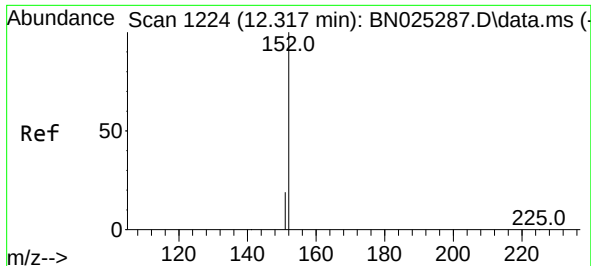
Tgt Ion: 82 Resp: 4411
Ion Ratio Lower Upper
82 100
128 40.9 35.3 52.9
54 68.8 48.7 73.1



#9
Naphthalene
Concen: 0.455 ng
RT: 10.771 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

Tgt Ion: 128 Resp: 21366
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.2
127 13.4 11.0 16.6

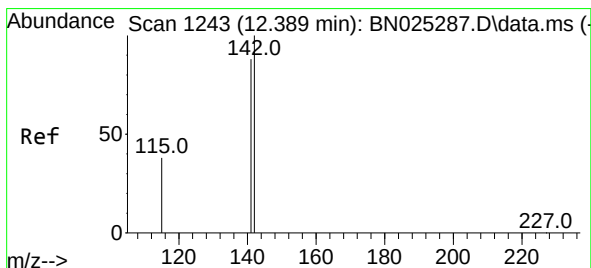
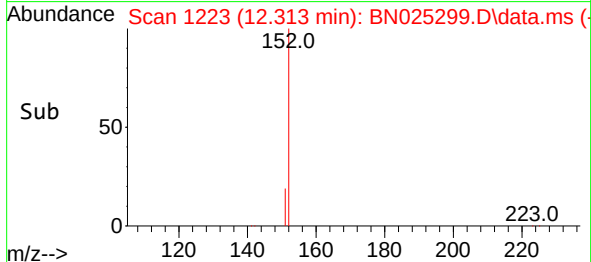
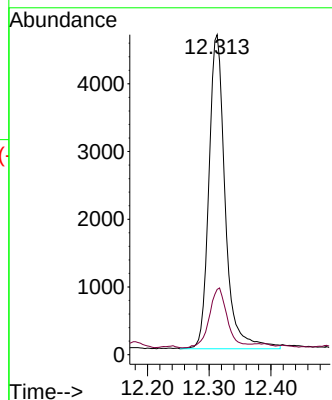
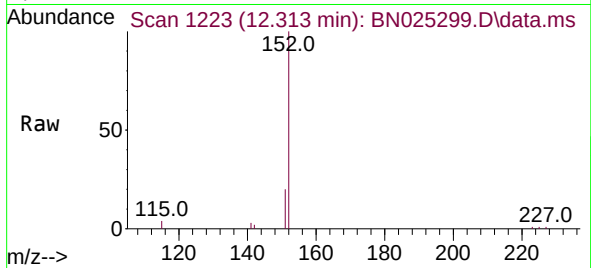




#11
2-Methylnaphthalene-d10
Concen: 0.341 ng
RT: 12.313 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

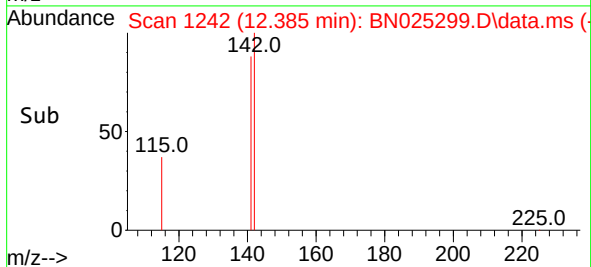
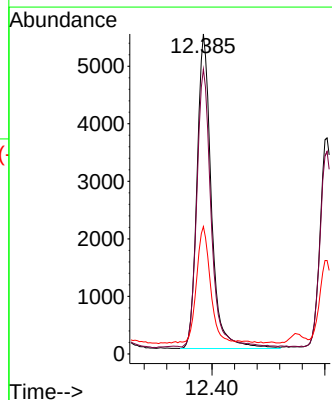
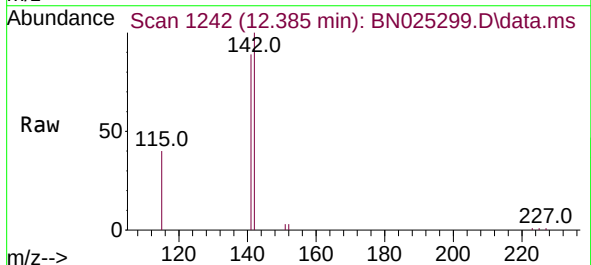
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

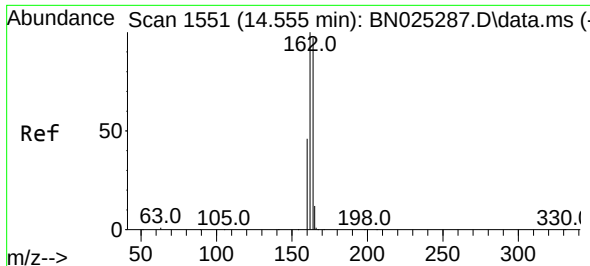
Tgt Ion:152 Resp: 8522
Ion Ratio Lower Upper
152 100
151 21.1 16.4 24.6



#12
2-Methylnaphthalene
Concen: 0.290 ng
RT: 12.385 min Scan# 1242
Delta R.T. -0.004 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

Tgt Ion:142 Resp: 9626
Ion Ratio Lower Upper
142 100
141 89.0 70.5 105.7
115 39.8 31.6 47.4

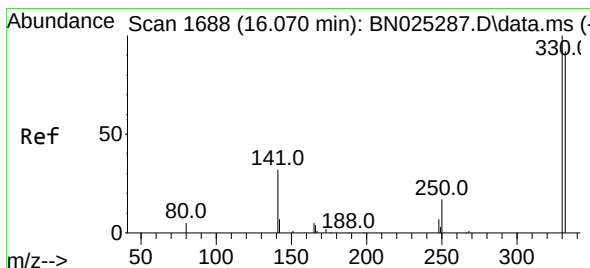
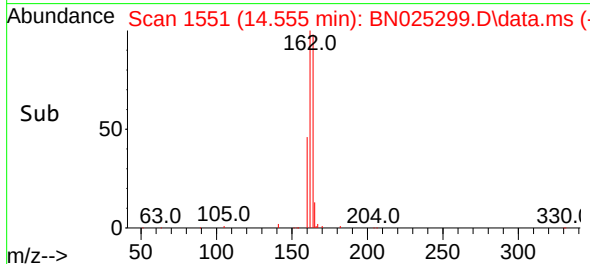
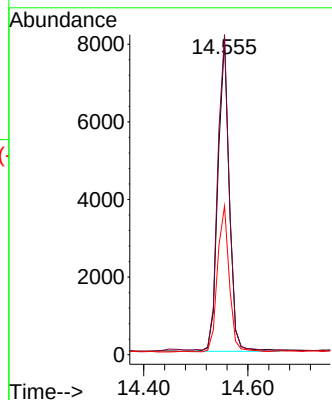
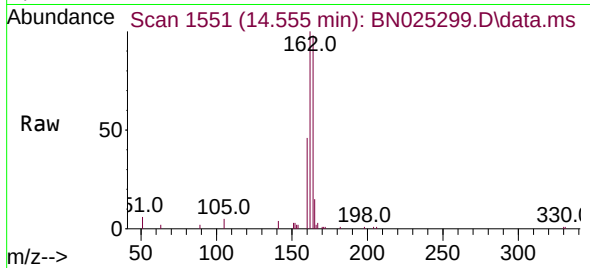




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

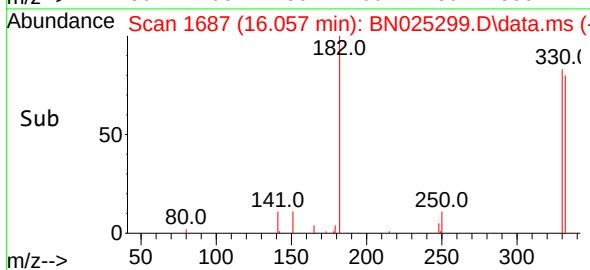
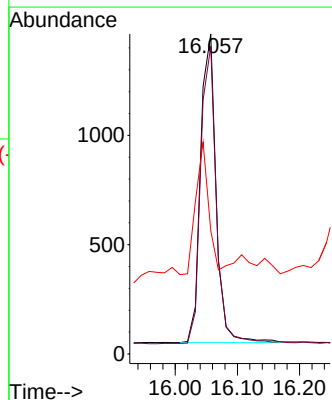
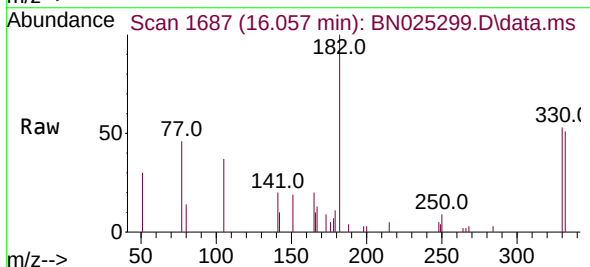
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

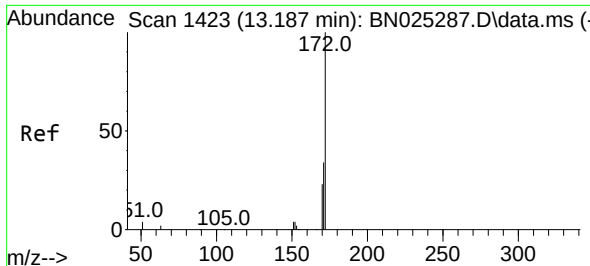
Tgt Ion:164 Resp: 12132
Ion Ratio Lower Upper
164 100
162 101.6 82.1 123.1
160 47.2 38.3 57.5



#14
2,4,6-Tribromophenol
Concen: 0.396 ng
RT: 16.057 min Scan# 1687
Delta R.T. -0.013 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

Tgt Ion:330 Resp: 2454
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 36.7 28.9 43.3

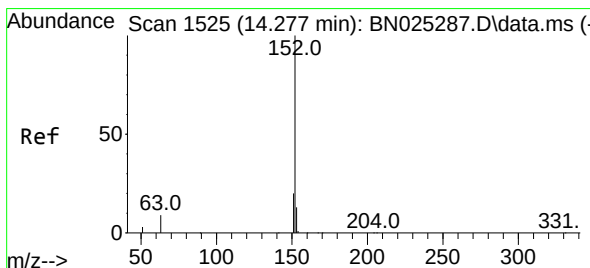
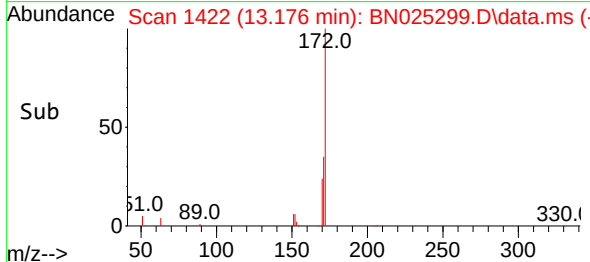
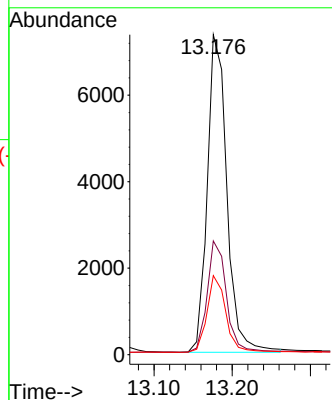
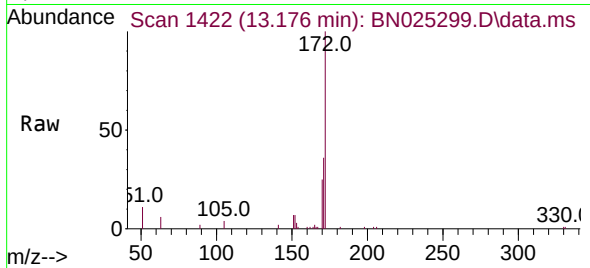




#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.011 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

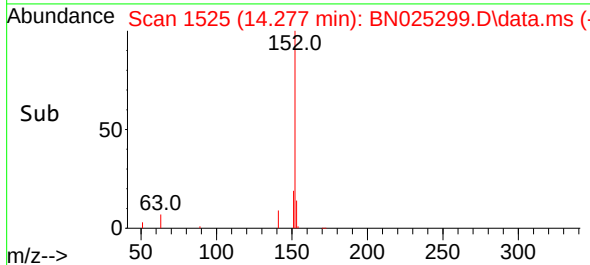
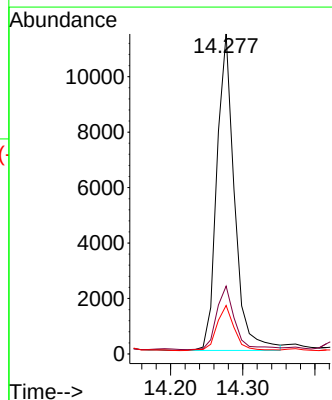
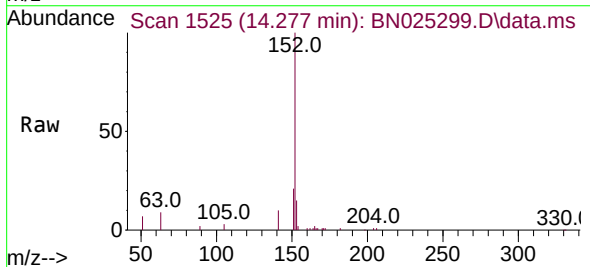
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

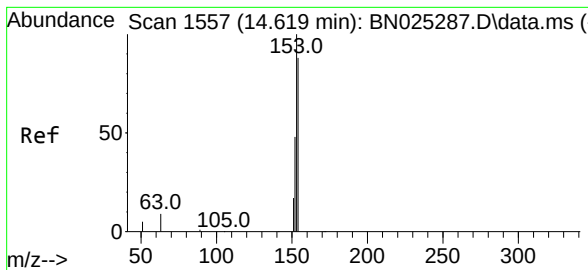
Tgt Ion:172 Resp: 12841
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 24.7 19.0 28.4



#16
Acenaphthylene
Concen: 0.356 ng
RT: 14.277 min Scan# 1525
Delta R.T. -0.000 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

Tgt Ion:152 Resp: 19351
Ion Ratio Lower Upper
152 100
151 20.8 16.1 24.1
153 14.4 10.3 15.5





#17

Acenaphthene

Concen: 0.900 ng

RT: 14.619 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN025299.D

Acq: 06 May 2023 04:01

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023

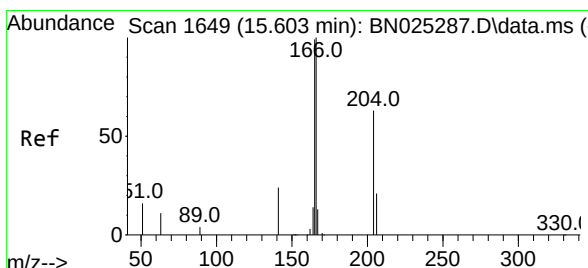
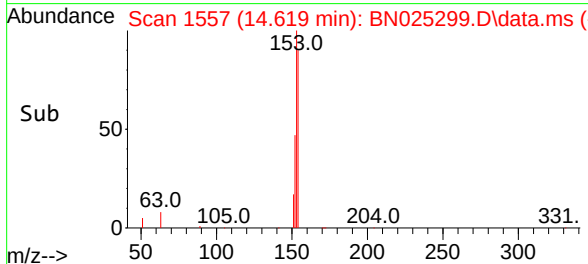
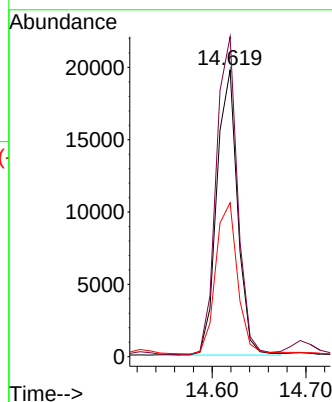
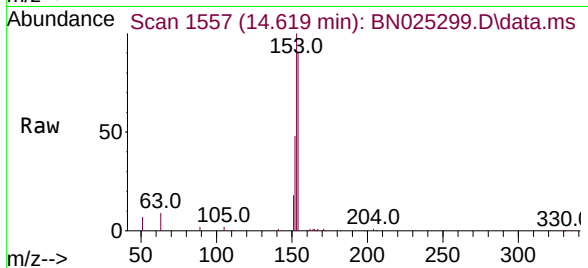
Tgt Ion:154 Resp: 30412

Ion Ratio Lower Upper

154 100

153 114.1 91.3 136.9

152 56.7 44.7 67.1



#18

Fluorene

Concen: 0.655 ng

RT: 15.603 min Scan# 1649

Delta R.T. -0.000 min

Lab File: BN025299.D

Acq: 06 May 2023 04:01

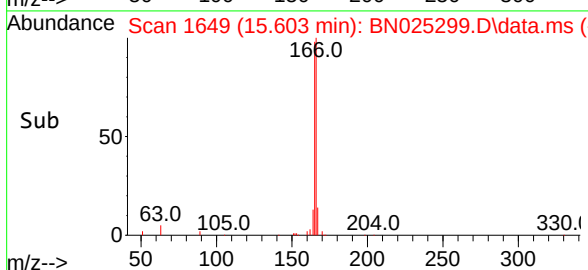
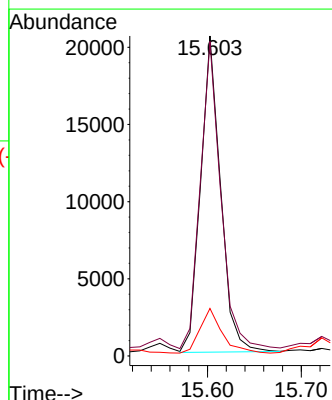
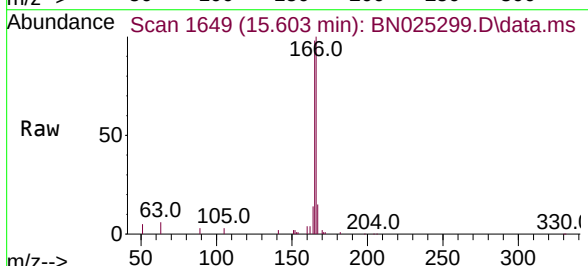
Tgt Ion:166 Resp: 30336

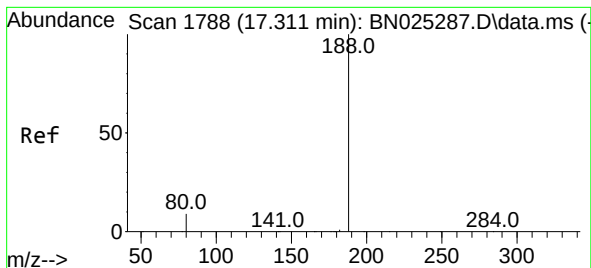
Ion Ratio Lower Upper

166 100

165 99.5 79.0 118.4

167 15.8 10.3 15.5#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.298 min Scan# 1

Delta R.T. -0.013 min

Lab File: BN025299.D

Acq: 06 May 2023 04:01

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023

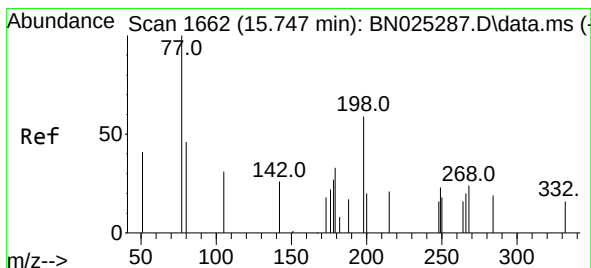
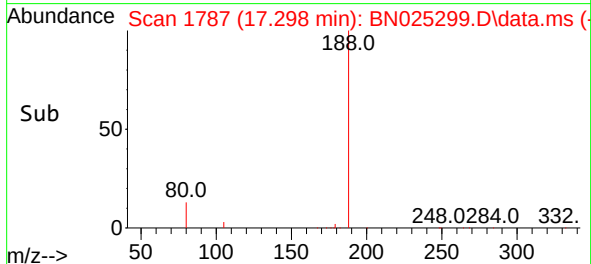
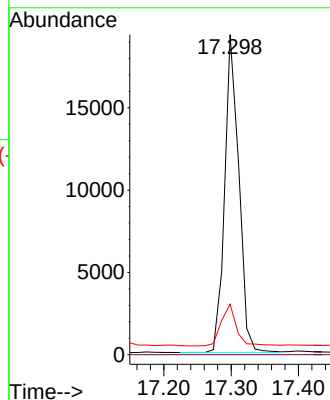
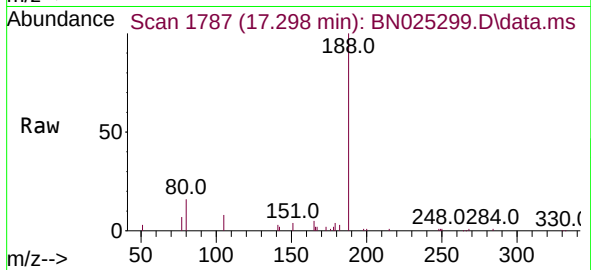
Tgt Ion:188 Resp: 28272

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.8 8.0 12.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.289 ng

RT: 15.710 min Scan# 1659

Delta R.T. -0.037 min

Lab File: BN025299.D

Acq: 06 May 2023 04:01

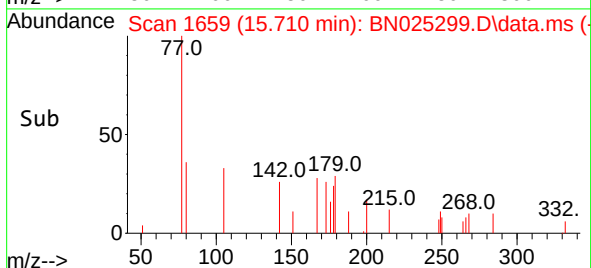
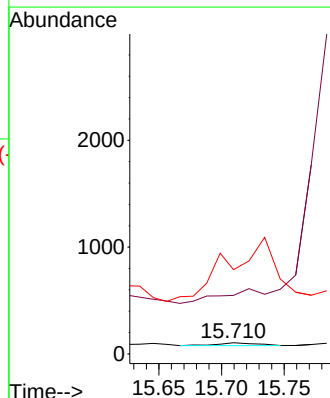
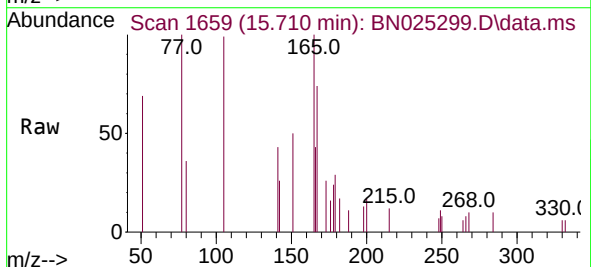
Tgt Ion:198 Resp: 57

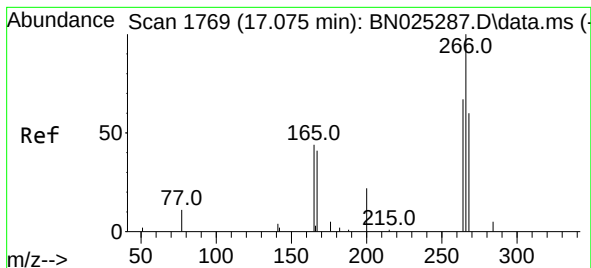
Ion Ratio Lower Upper

198 100

51 521.9 162.1 243.1#

105 752.4 83.1 124.7#





#24

Pentachlorophenol

Concen: 0.272 ng

RT: 17.112 min Scan# 1772

Delta R.T. 0.037 min

Lab File: BN025299.D

Acq: 06 May 2023 04:01

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023

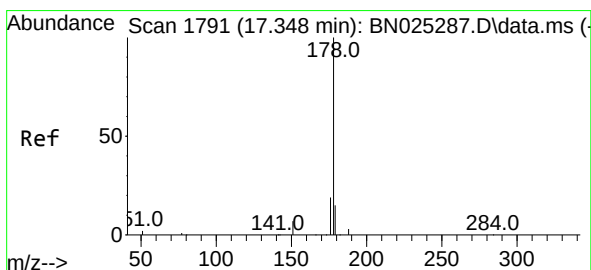
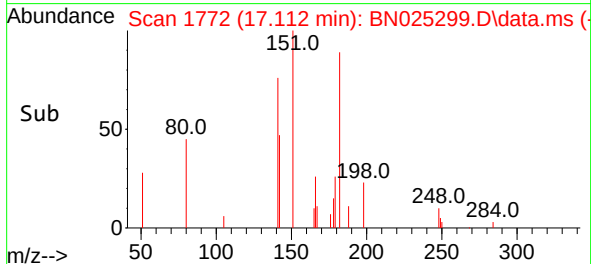
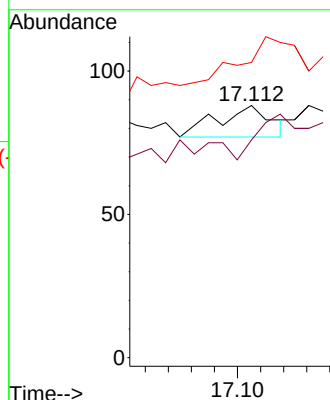
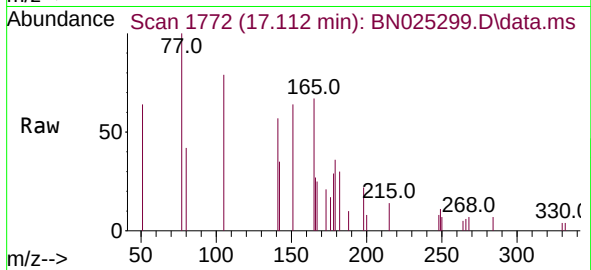
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

264 0.0 43.0 64.4#

268 0.0 47.4 71.2#



#25

Phenanthrene

Concen: 5.016 ng

RT: 17.348 min Scan# 1791

Delta R.T. -0.000 min

Lab File: BN025299.D

Acq: 06 May 2023 04:01

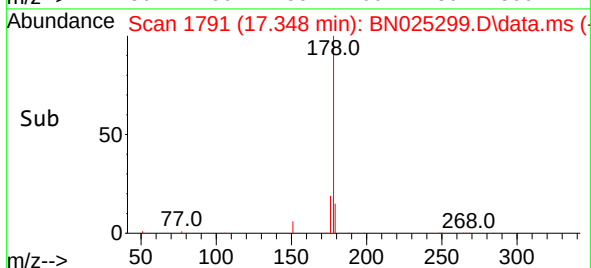
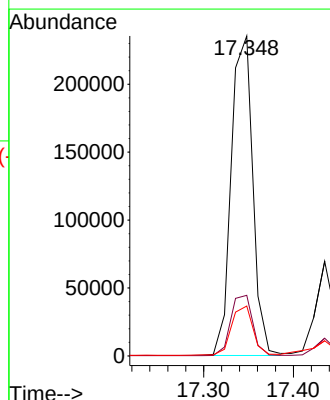
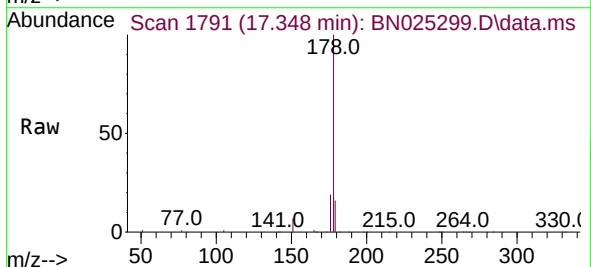
Tgt Ion:178 Resp: 392386

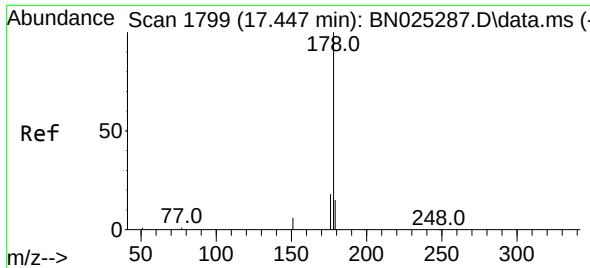
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.5 12.4 18.6

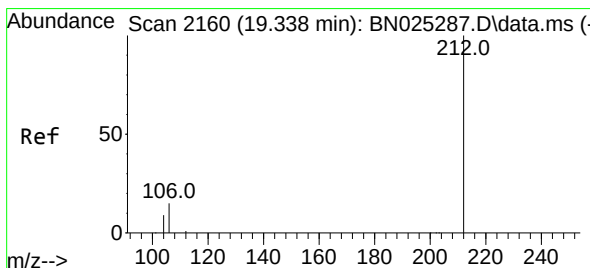
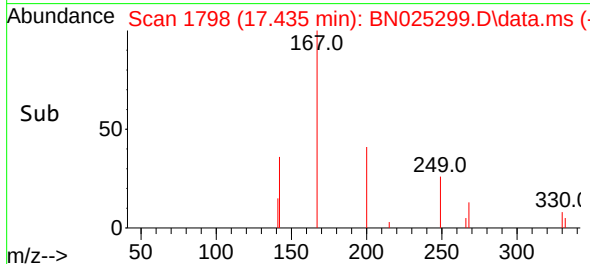
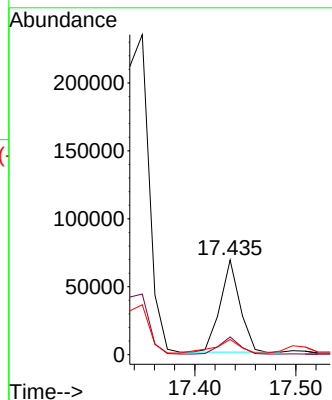
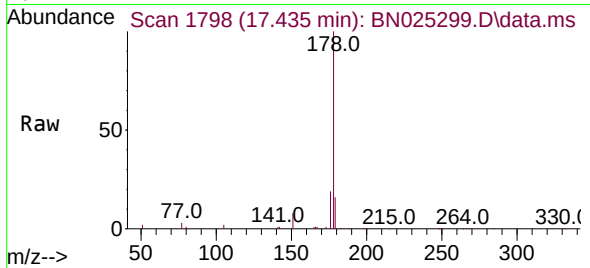




#26
 Anthracene
 Concen: 1.264 ng
 RT: 17.435 min Scan# 1798
 Delta R.T. -0.013 min
 Lab File: BN025299.D
 Acq: 06 May 2023 04:01

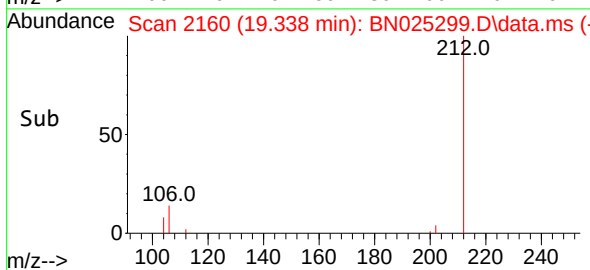
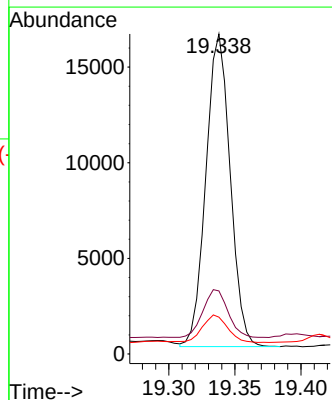
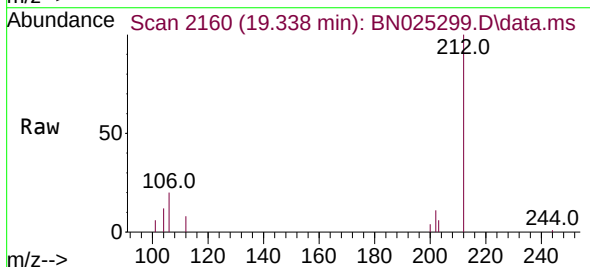
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-6-9-05012023

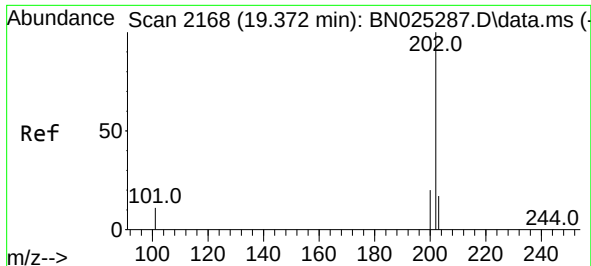
Tgt Ion:178 Resp: 92653
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.9 22.3
 179 18.4 12.0 18.0#



#27
 Fluoranthene-d10
 Concen: 0.298 ng
 RT: 19.338 min Scan# 2160
 Delta R.T. -0.000 min
 Lab File: BN025299.D
 Acq: 06 May 2023 04:01

Tgt Ion:212 Resp: 20872
 Ion Ratio Lower Upper
 212 100
 106 15.6 12.6 19.0
 104 9.2 7.0 10.6

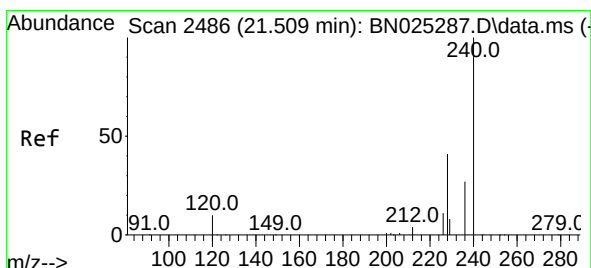
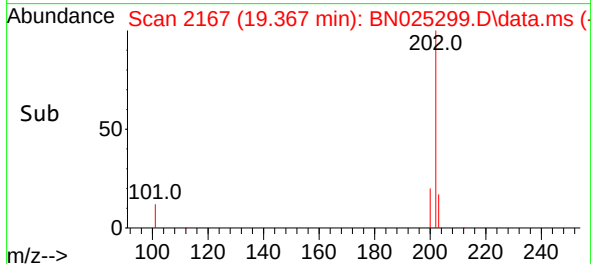
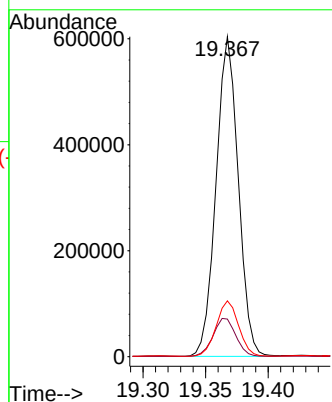
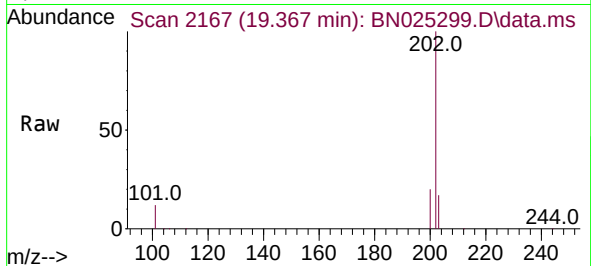




#28
Fluoranthene
Concen: 7.618 ng
RT: 19.367 min Scan# 2167
Delta R.T. -0.004 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

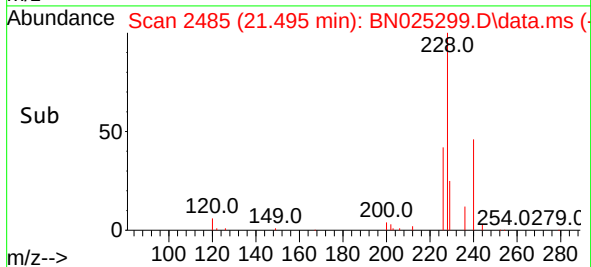
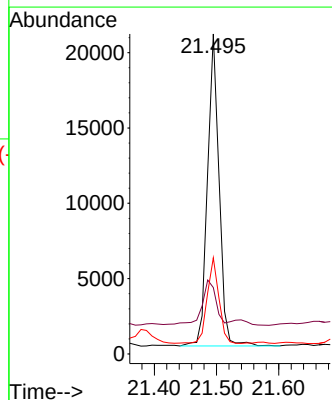
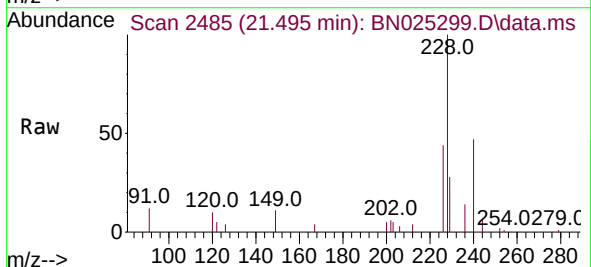
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

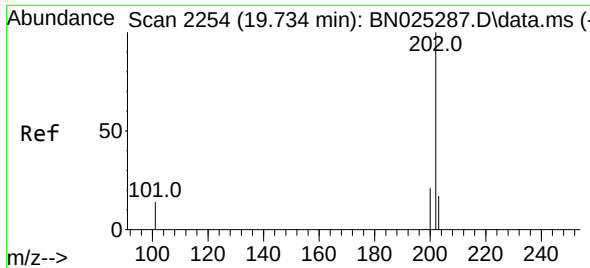
Tgt Ion:202 Resp: 744525
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.8
203 17.4 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.495 min Scan# 2485
Delta R.T. -0.014 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

Tgt Ion:240 Resp: 26769
Ion Ratio Lower Upper
240 100
120 20.8 10.3 15.5#
236 30.1 22.3 33.5

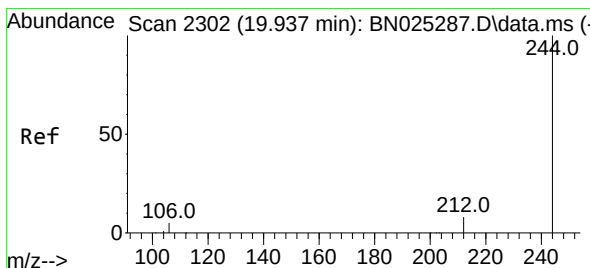
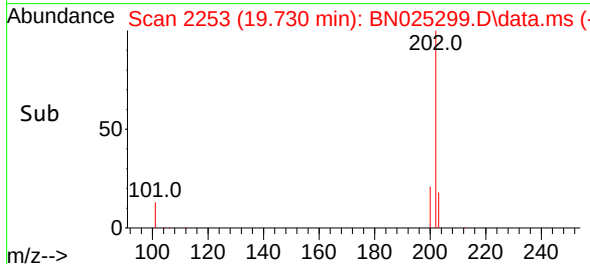
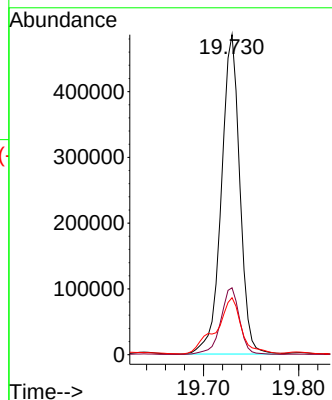
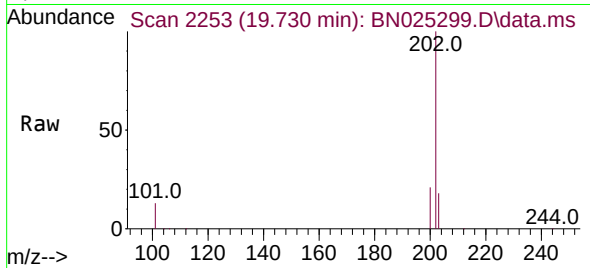




#30
Pyrene
Concen: 7.153 ng
RT: 19.730 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

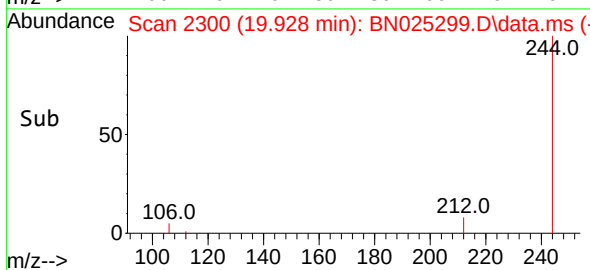
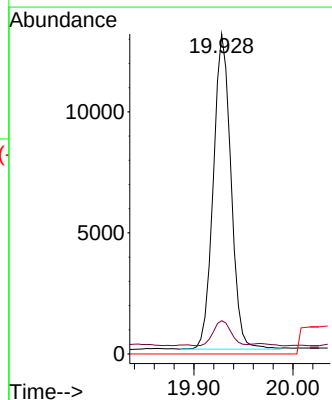
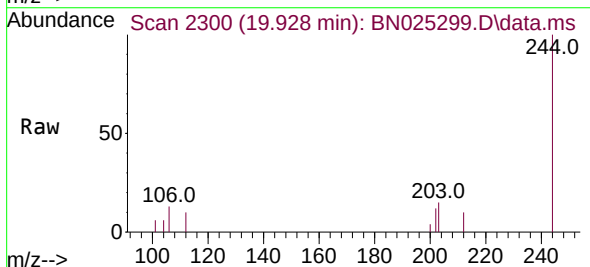
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

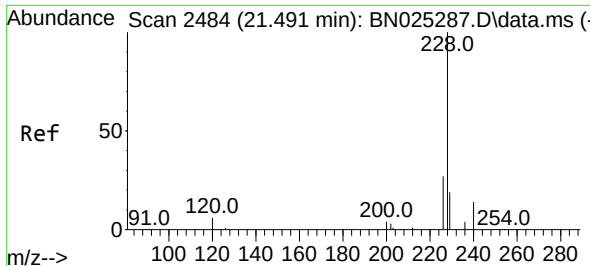
Tgt Ion:202 Resp: 654586
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 23.7 14.4 21.6#



#31
Terphenyl-d14
Concen: 0.298 ng
RT: 19.928 min Scan# 2300
Delta R.T. -0.009 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

Tgt Ion:244 Resp: 16080
Ion Ratio Lower Upper
244 100
212 10.4 7.1 10.7
122 0.0 0.0 0.0

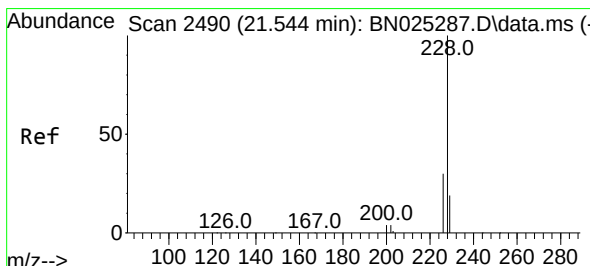
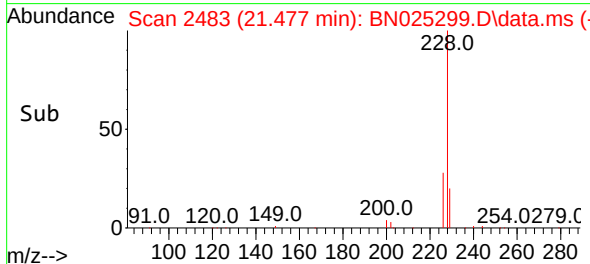
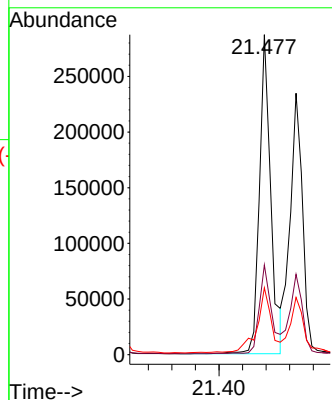
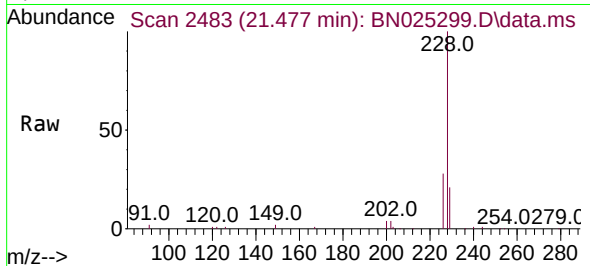




#32
Benzo(a)anthracene
Concen: 4.225 ng
RT: 21.477 min Scan# 2483
Delta R.T. -0.014 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

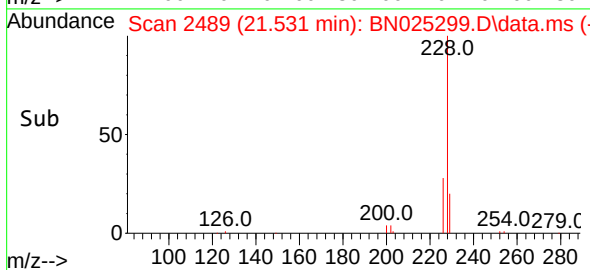
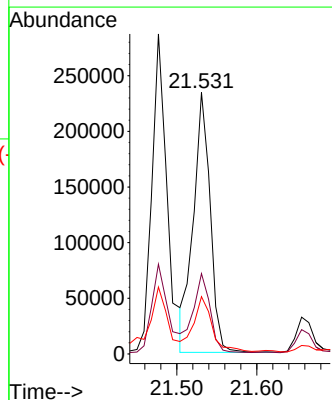
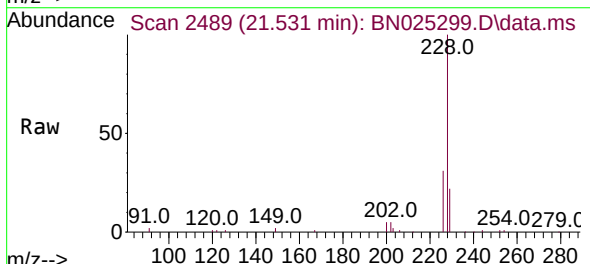
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

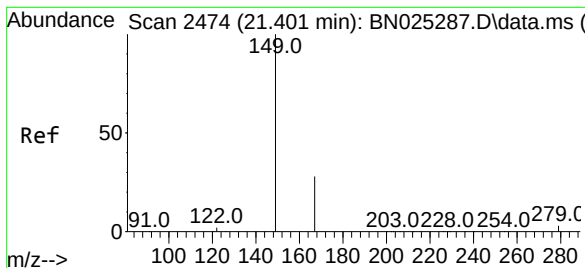
Tgt Ion:228 Resp: 382261
Ion Ratio Lower Upper
228 100
226 28.1 22.5 33.7
229 20.9 16.2 24.2



#33
Chrysene
Concen: 3.801 ng
RT: 21.531 min Scan# 2489
Delta R.T. -0.014 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

Tgt Ion:228 Resp: 342344
Ion Ratio Lower Upper
228 100
226 30.8 24.6 36.8
229 21.9 16.2 24.4

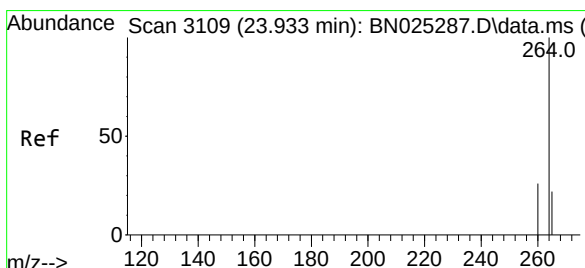
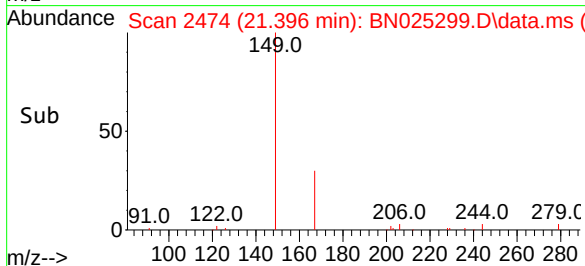
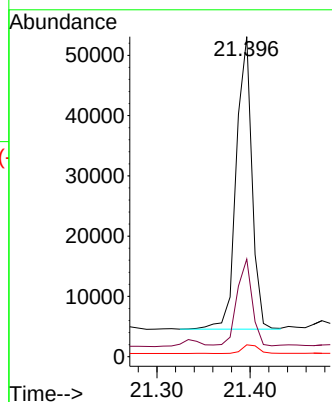
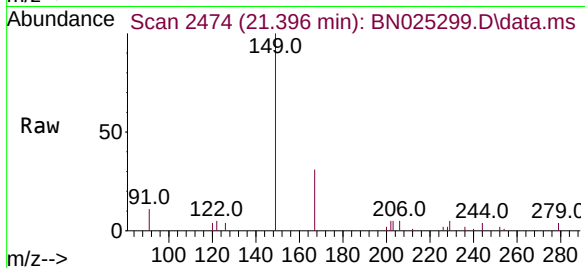




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.798 ng
RT: 21.396 min Scan# 2474
Delta R.T. -0.005 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

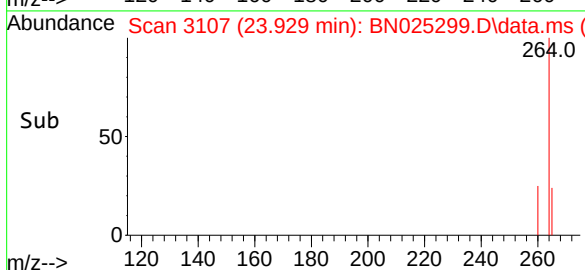
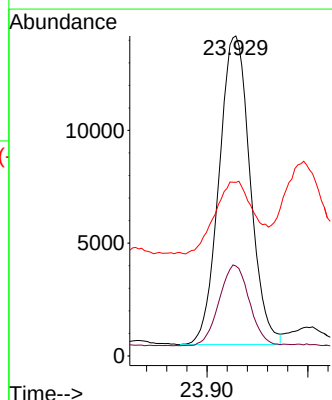
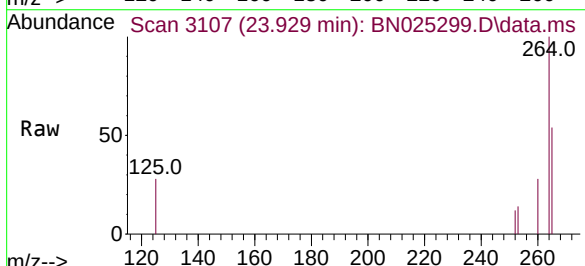
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

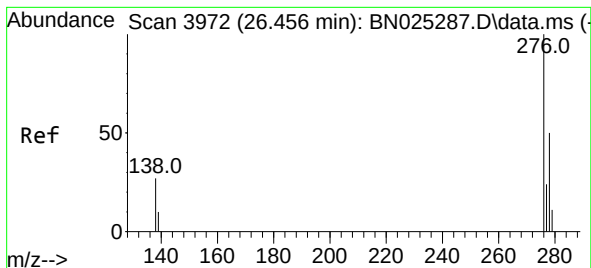
Tgt Ion:149 Resp: 56686
Ion Ratio Lower Upper
149 100
167 28.7 22.2 33.4
279 3.2 2.6 4.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.929 min Scan# 3107
Delta R.T. -0.005 min
Lab File: BN025299.D
Acq: 06 May 2023 04:01

Tgt Ion:264 Resp: 29302
Ion Ratio Lower Upper
264 100
260 28.1 21.5 32.3
265 54.3 46.2 69.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 1.562 ng

RT: 26.437 min Scan# 3965

Delta R.T. -0.019 min

Lab File: BN025299.D

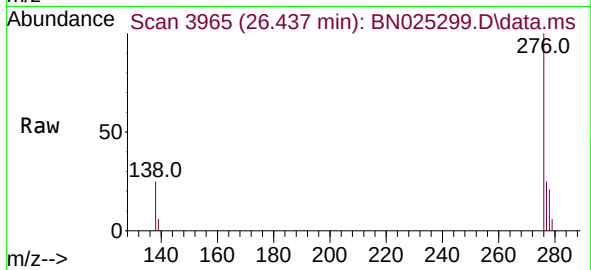
Acq: 06 May 2023 04:01

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023



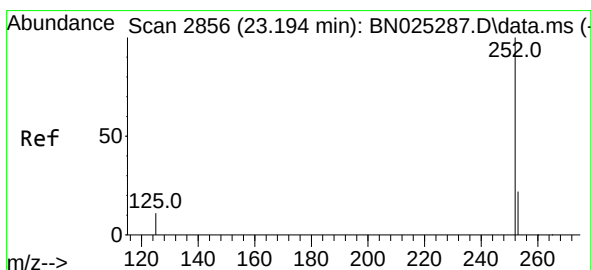
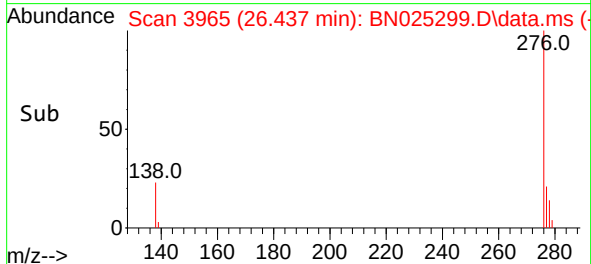
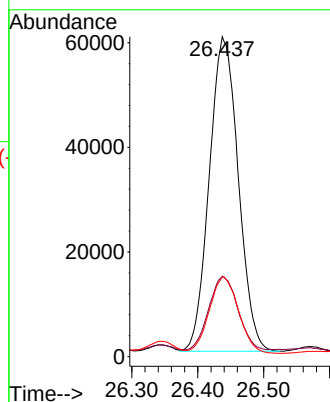
Tgt Ion:276 Resp: 183526

Ion Ratio Lower Upper

276 100

138 23.2 22.5 33.7

277 24.6 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 4.989 ng

RT: 23.186 min Scan# 2853

Delta R.T. -0.008 min

Lab File: BN025299.D

Acq: 06 May 2023 04:01

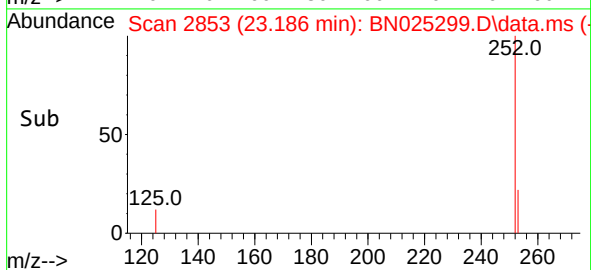
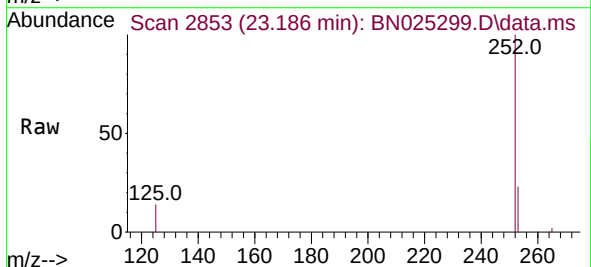
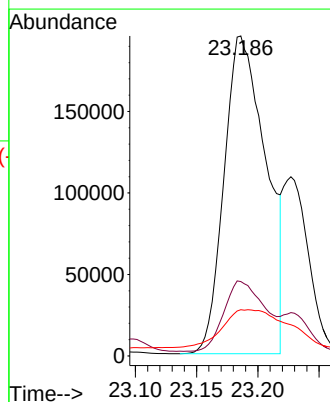
Tgt Ion:252 Resp: 463436

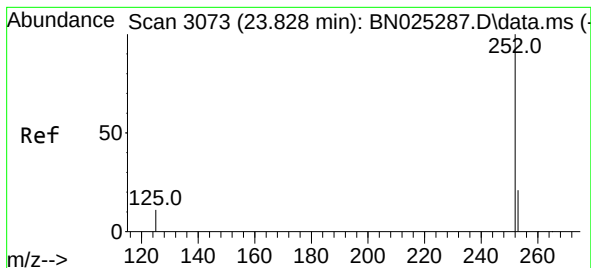
Ion Ratio Lower Upper

252 100

253 23.2 20.8 31.2

125 14.5 13.4 20.2





#39

Benzo(a)pyrene

Concen: 2.227 ng

RT: 23.712 min Scan# 3073

Delta R.T. -0.116 min

Lab File: BN025299.D

Acq: 06 May 2023 04:01

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023

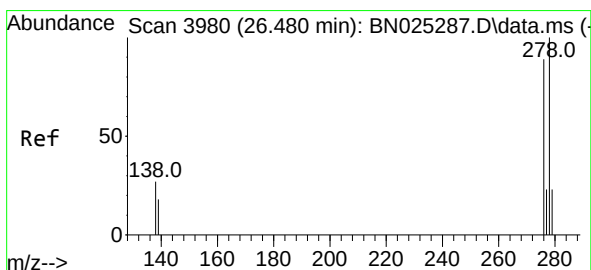
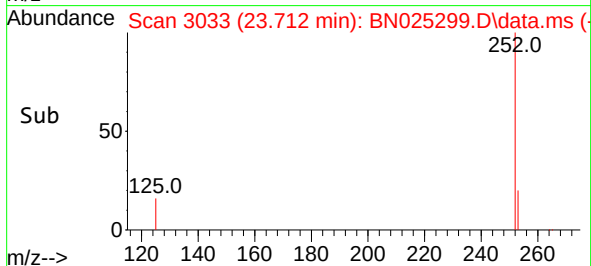
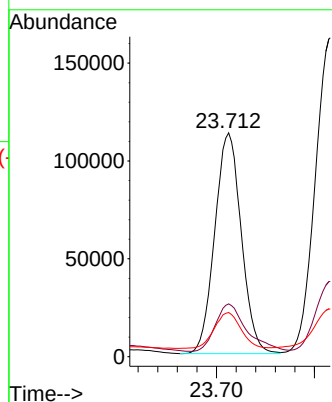
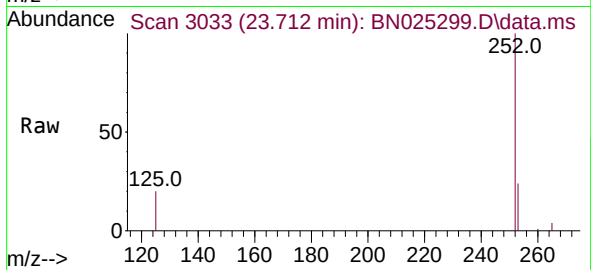
Tgt Ion:252 Resp: 211949

Ion Ratio Lower Upper

252 100

253 23.6 21.4 32.0

125 19.8 15.4 23.2



#40

Dibenzo(a,h)anthracene

Concen: 0.505 ng

RT: 26.452 min Scan# 3970

Delta R.T. -0.028 min

Lab File: BN025299.D

Acq: 06 May 2023 04:01

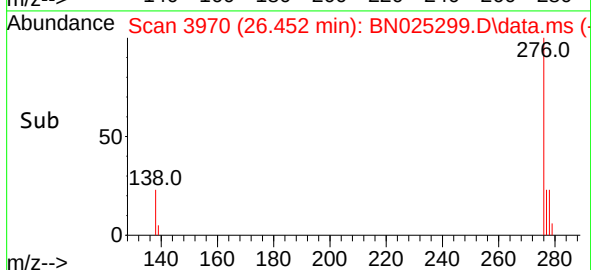
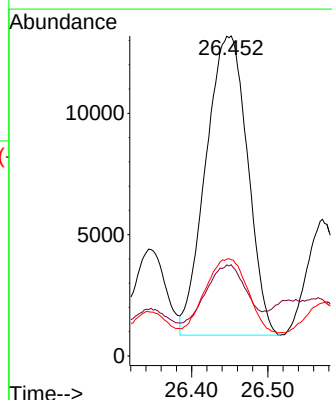
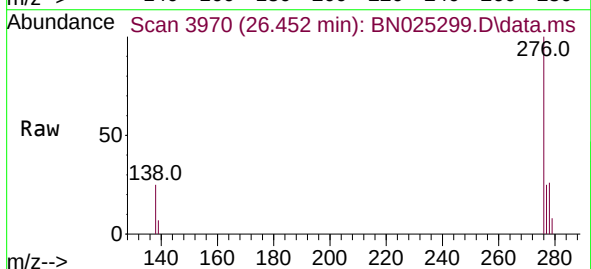
Tgt Ion:278 Resp: 46873

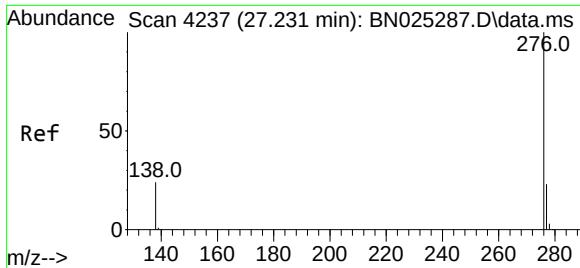
Ion Ratio Lower Upper

278 100

139 28.5 17.6 26.4#

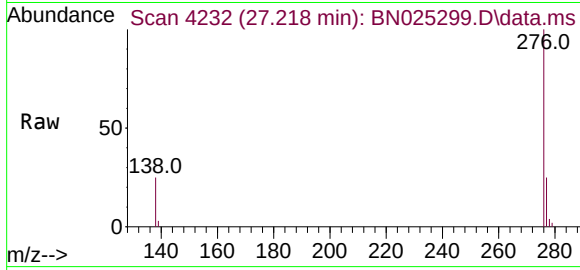
279 30.1 21.6 32.4





#41
 Benzo(g,h,i)perylene
 Concen: 1.670 ng
 RT: 27.218 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: BN025299.D
 Acq: 06 May 2023 04:01

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-6-9-05012023



Tgt Ion:	276	Resp:	170175
Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.1	30.1
138	25.5	21.0	31.6

