

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025297.D
 Acq On : 06 May 2023 02:48
 Operator : CG/JU
 Sample : 02588-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 08 03:18:48 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)

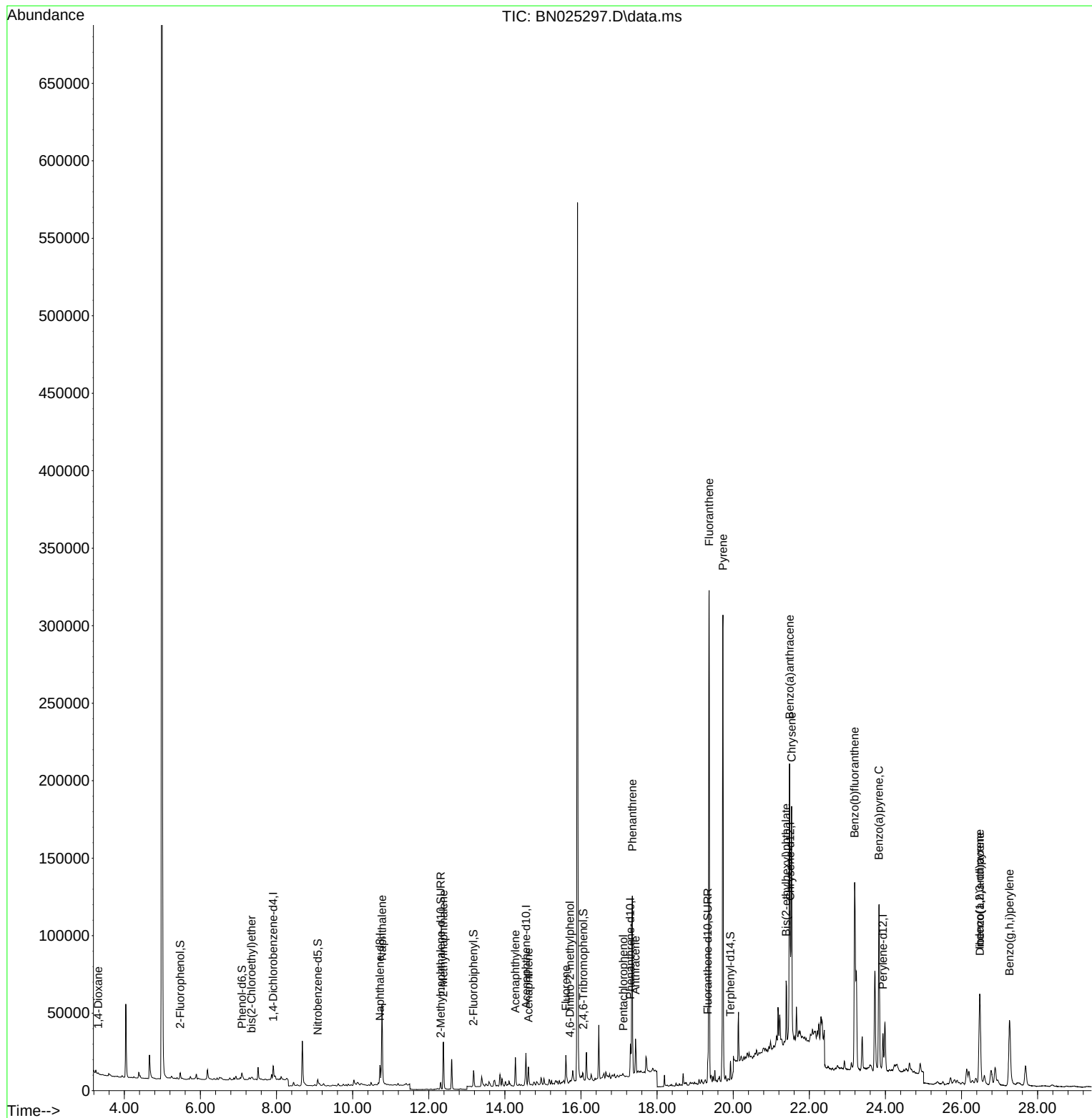
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	5164	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	16748	0.400	ng	#-0.01
13) Acenaphthene-d10	14.555	164	11484	0.400	ng	0.00
19) Phenanthrene-d10	17.299	188	27290	0.400	ng	#-0.01
29) Chrysene-d12	21.500	240	26764	0.400	ng	# 0.00
35) Perylene-d12	23.933	264	30966	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.470	112	3824	0.304	ng	0.00
5) Phenol-d6	7.088	99	5049	0.320	ng	0.00
8) Nitrobenzene-d5	9.084	82	3717	0.270	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	6467	0.282	ng	0.00
14) 2,4,6-Tribromophenol	16.057	330	1909	0.325	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	9983	0.253	ng	-0.01
27) Fluoranthene-d10	19.334	212	15965	0.237	ng	0.00
31) Terphenyl-d14	19.928	244	12798	0.237	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.318	88	176	0.032	ng	# 1
6) bis(2-Chloroethyl)ether	7.341	93	1070	0.077	ng	# 90
9) Naphthalene	10.771	128	59005	1.373	ng	98
12) 2-Methylnaphthalene	12.385	142	23082	0.760	ng	99
16) Acenaphthylene	14.277	152	18593	0.362	ng	97
17) Acenaphthene	14.619	154	5924	0.185	ng	97
18) Fluorene	15.603	166	11617	0.265	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.710	198	50	0.289	ng	# 1
24) Pentachlorophenol	17.112	266	53	0.275	ng	# 23
25) Phenanthrene	17.348	178	130791	1.732	ng	99
26) Anthracene	17.435	178	25465	0.360	ng	98
28) Fluoranthene	19.368	202	296653	3.144	ng	99
30) Pyrene	19.730	202	268600	2.936	ng	# 96
32) Benzo(a)anthracene	21.482	228	142924	1.580	ng	98
33) Chrysene	21.536	228	149807	1.664	ng	98
34) Bis(2-ethylhexyl)phtha...	21.392	149	35813	0.505	ng	98
36) Indeno(1,2,3-cd)pyrene	26.477	276	96254	0.775	ng	95
37) Benzo(b)fluoranthene	23.191	252	204231	2.081	ng	97
39) Benzo(a)pyrene	23.831	252	154198	1.533	ng	97
40) Dibenzo(a,h)anthracene	26.486	278	23480	0.240	ng	# 79
41) Benzo(g,h,i)perylene	27.261	276	94738	0.880	ng	100

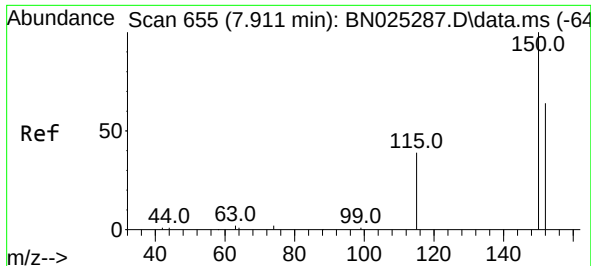
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
Data File : BN025297.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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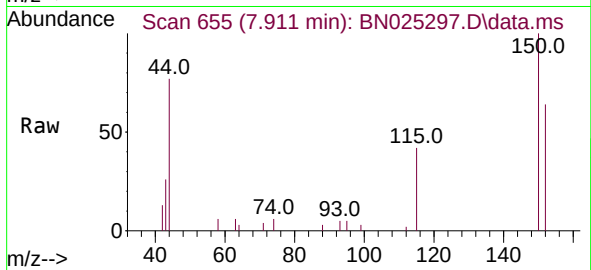
Quant Time: May 08 03:18:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
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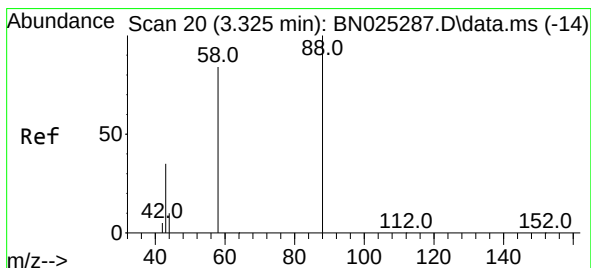
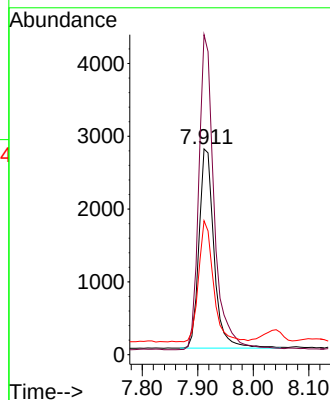
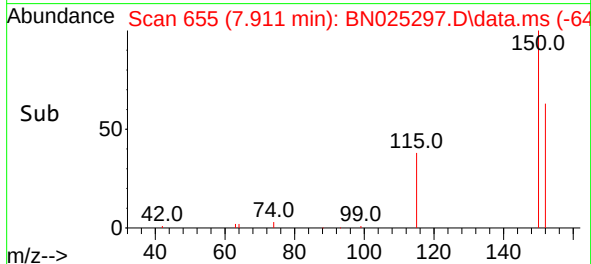


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.911 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN025297.D
 Acq: 06 May 2023 02:48

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

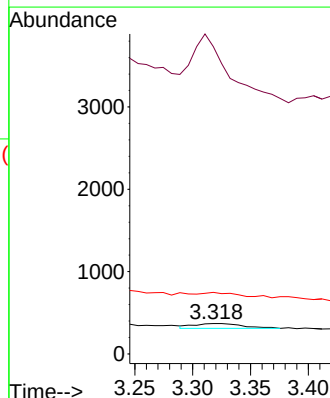
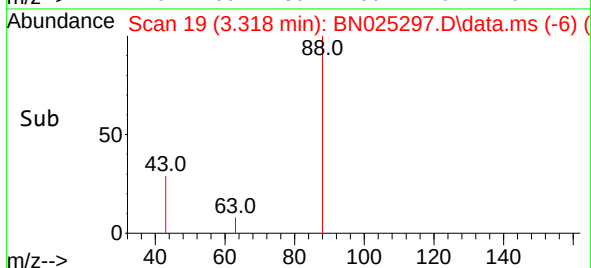
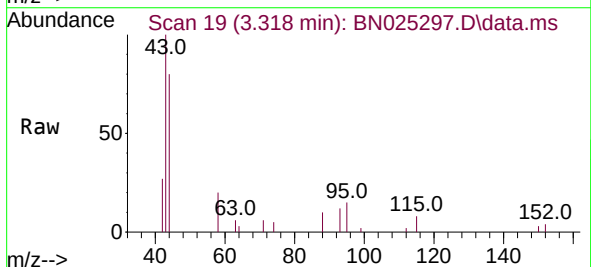


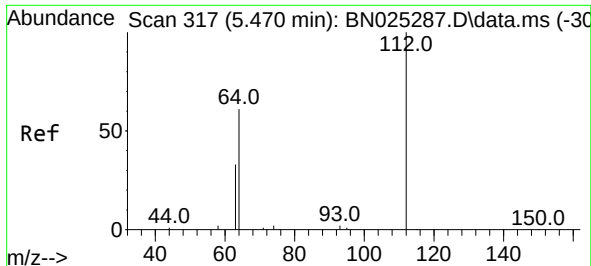
Tgt Ion:152 Resp: 5164
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.8 185.8
 115 65.1 52.9 79.3



#2
 1,4-Dioxane
 Concen: 0.032 ng
 RT: 3.318 min Scan# 19
 Delta R.T. -0.007 min
 Lab File: BN025297.D
 Acq: 06 May 2023 02:48

Tgt Ion: 88 Resp: 176
 Ion Ratio Lower Upper
 88 100
 43 1068.8 37.2 55.8#
 58 0.0 71.5 107.3#

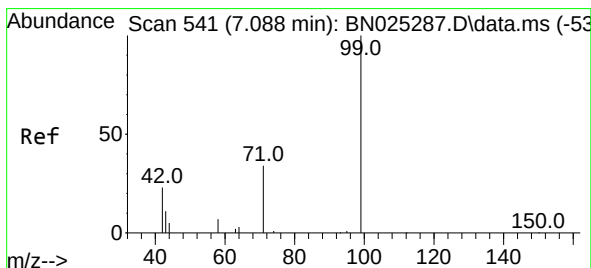
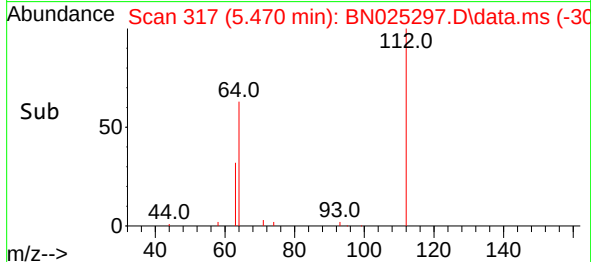
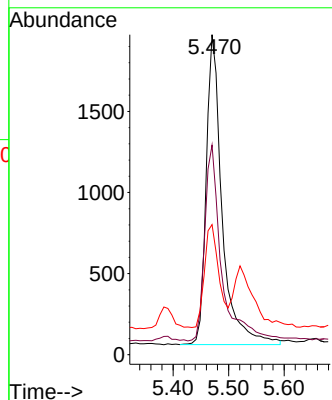
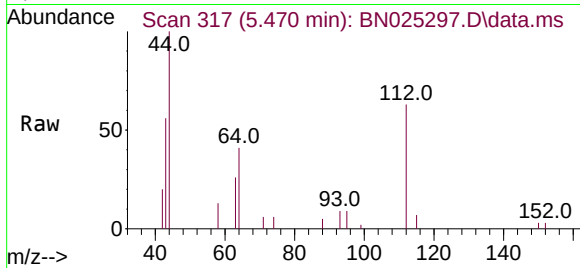




#4
2-Fluorophenol
Concen: 0.304 ng
RT: 5.470 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

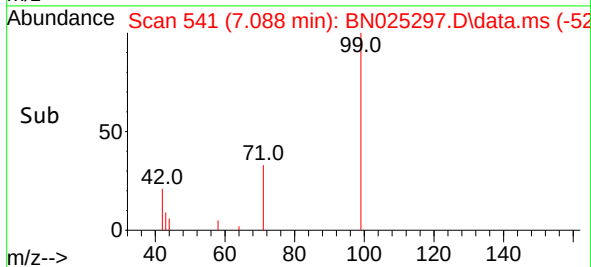
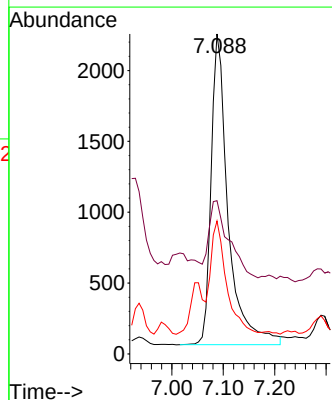
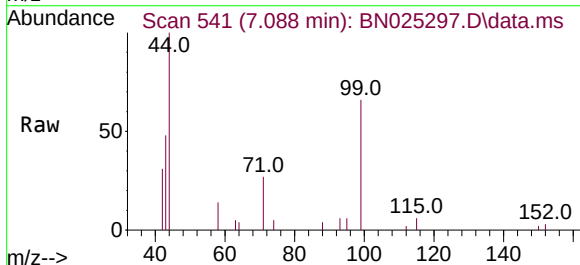
Instrument :
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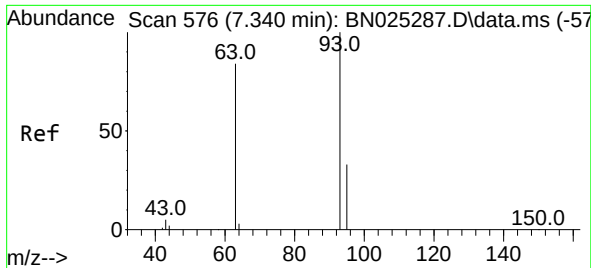
Tgt Ion:112 Resp: 3824
Ion Ratio Lower Upper
112 100
64 66.4 51.5 77.3
63 30.3 27.8 41.6



#5
Phenol-d6
Concen: 0.320 ng
RT: 7.088 min Scan# 541
Delta R.T. 0.000 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

Tgt Ion: 99 Resp: 5049
Ion Ratio Lower Upper
99 100
42 28.9 22.0 33.0
71 32.5 28.7 43.1

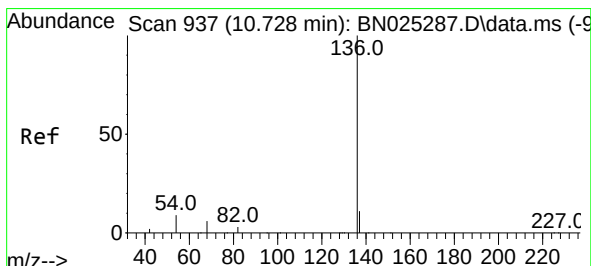
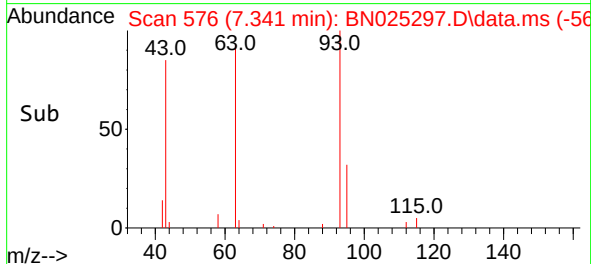
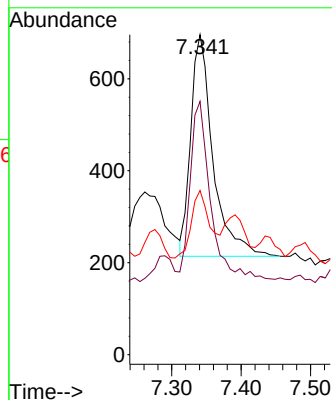
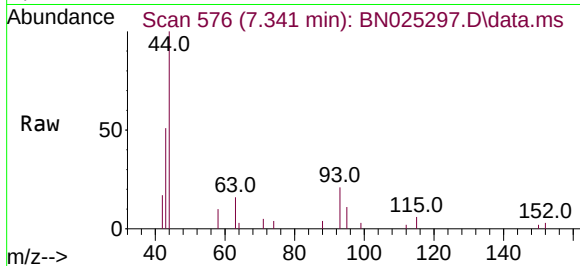




#6
bis(2-Chloroethyl)ether
Concen: 0.077 ng
RT: 7.341 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

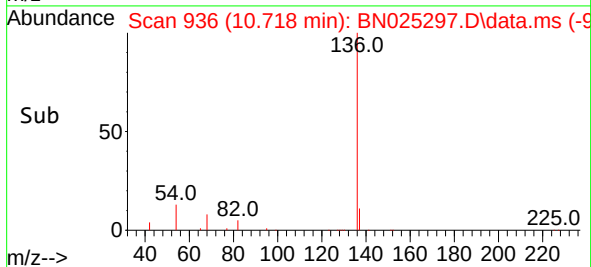
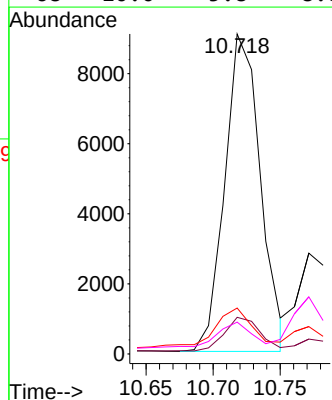
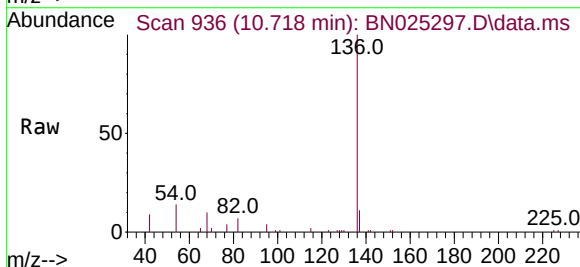
Instrument :
BNA_N
ClientSampleId :
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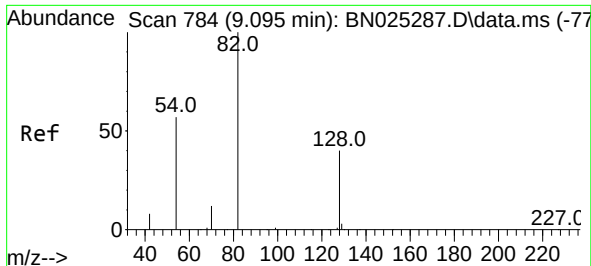
Tgt Ion: 93 Resp: 1070
Ion Ratio Lower Upper
93 100
63 76.8 67.8 101.6
95 26.6 26.7 40.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

Tgt Ion:136 Resp: 16748
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 14.3 8.5 12.7#
68 10.0 5.8 8.8#

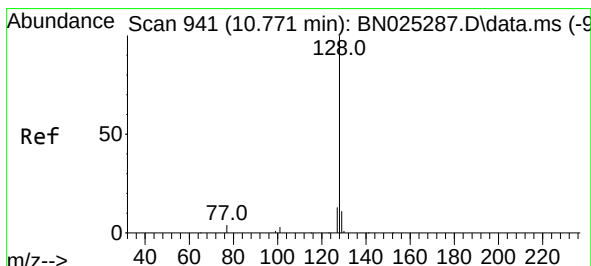
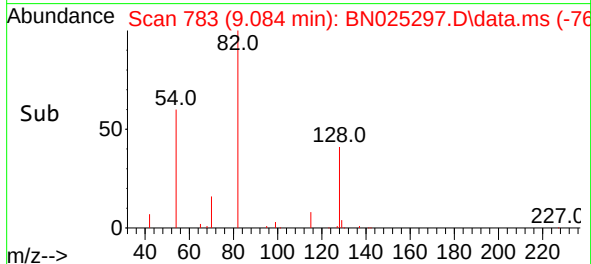
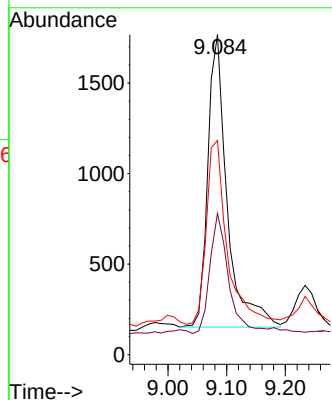
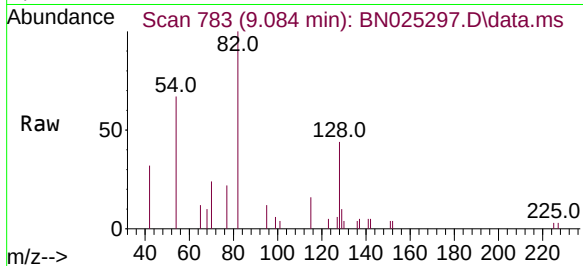




#8
 Nitrobenzene-d5
 Concen: 0.270 ng
 RT: 9.084 min Scan# 784
 Delta R.T. -0.011 min
 Lab File: BN025297.D
 Acq: 06 May 2023 02:48

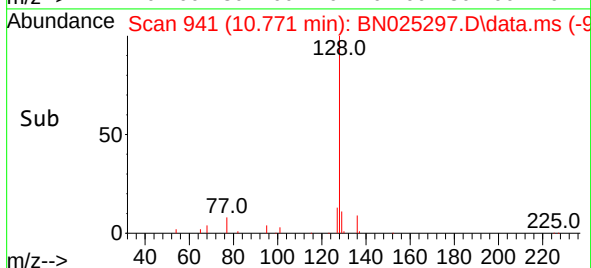
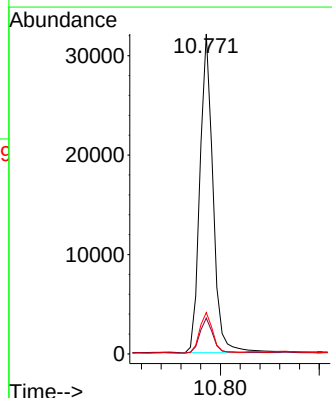
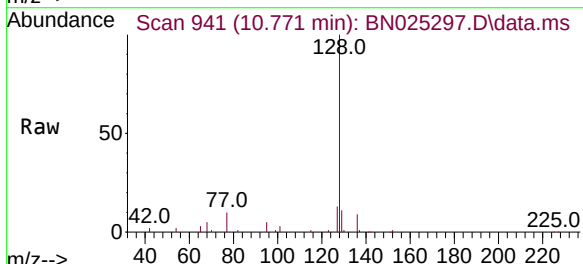
Instrument :
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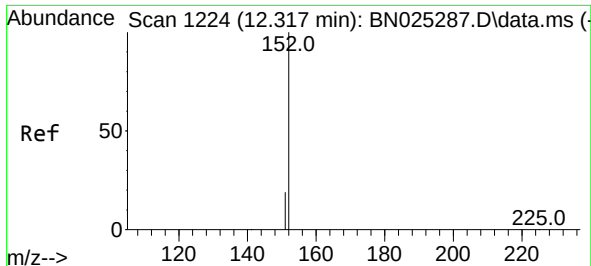
Tgt Ion: 82 Resp: 3717
 Ion Ratio Lower Upper
 82 100
 128 44.2 35.3 52.9
 54 66.9 48.7 73.1



#9
 Naphthalene
 Concen: 1.373 ng
 RT: 10.771 min Scan# 941
 Delta R.T. 0.000 min
 Lab File: BN025297.D
 Acq: 06 May 2023 02:48

Tgt Ion: 128 Resp: 59005
 Ion Ratio Lower Upper
 128 100
 129 11.2 9.4 14.2
 127 13.0 11.0 16.6

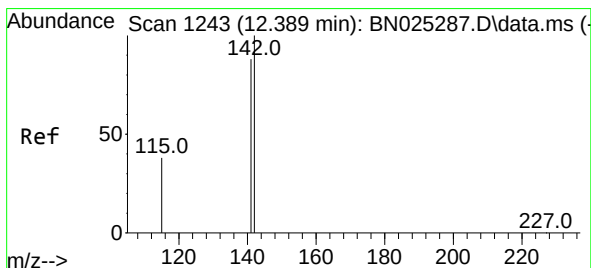
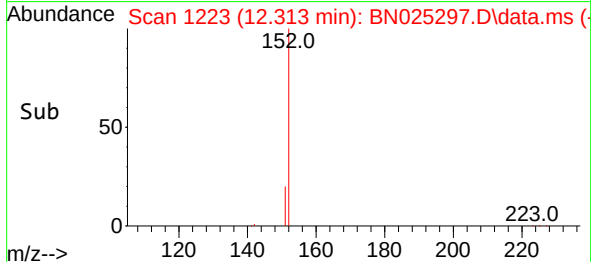
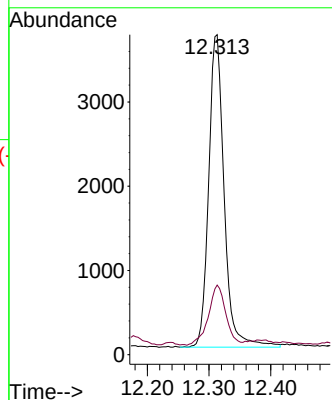
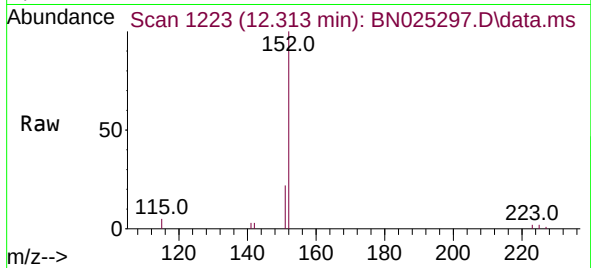




#11
2-Methylnaphthalene-d10
Concen: 0.282 ng
RT: 12.313 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

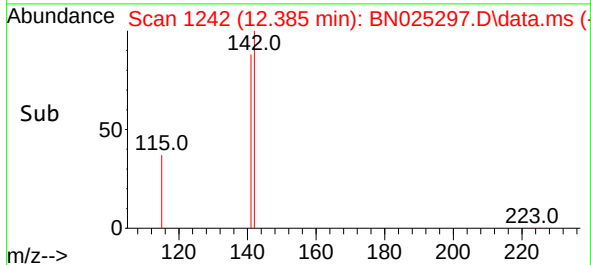
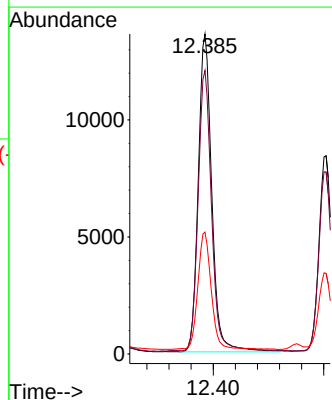
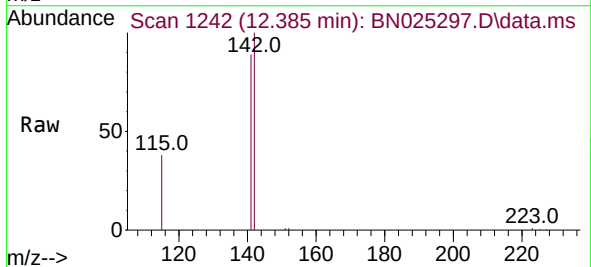
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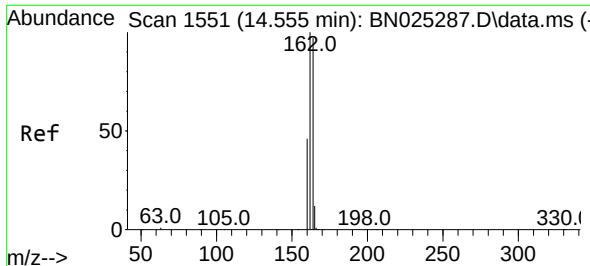
Tgt Ion:152 Resp: 6467
Ion Ratio Lower Upper
152 100
151 21.8 16.4 24.6



#12
2-Methylnaphthalene
Concen: 0.760 ng
RT: 12.385 min Scan# 1242
Delta R.T. -0.004 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

Tgt Ion:142 Resp: 23082
Ion Ratio Lower Upper
142 100
141 88.6 70.5 105.7
115 38.1 31.6 47.4

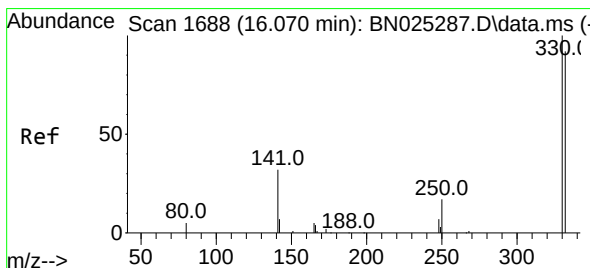
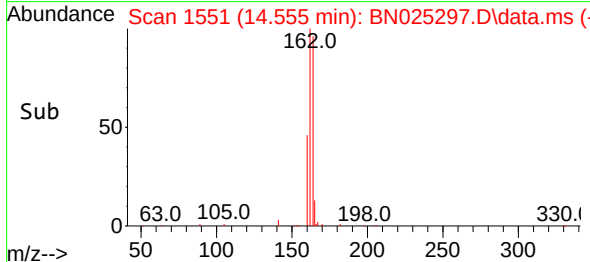
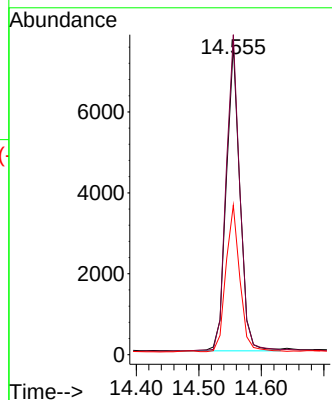
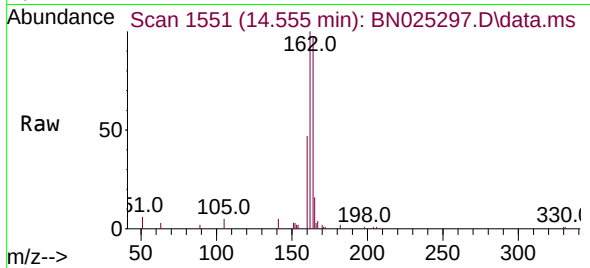




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

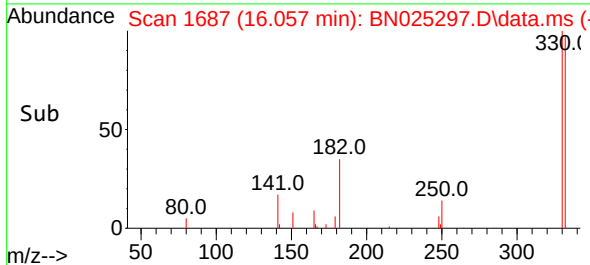
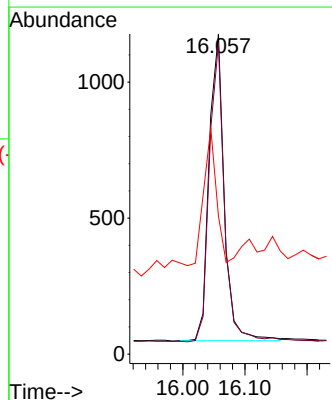
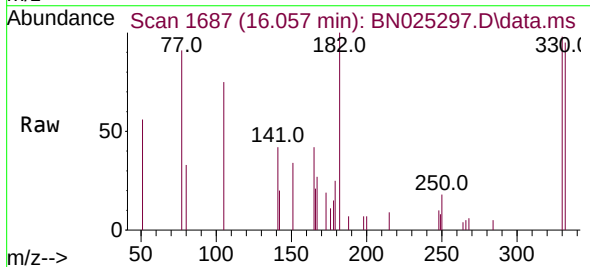
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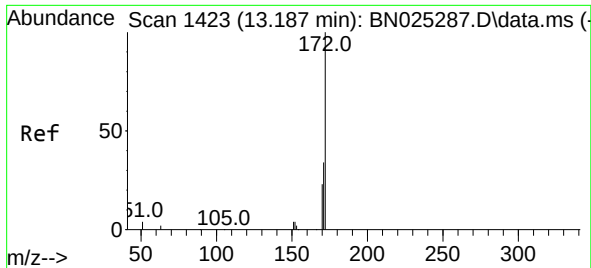
Tgt Ion:	164	Resp:	11484
Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.1	123.1
160	48.3	38.3	57.5



#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 16.057 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

Tgt Ion:	330	Resp:	1909
Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.0
141	38.9	28.9	43.3

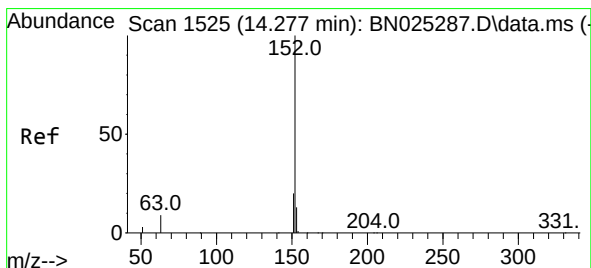
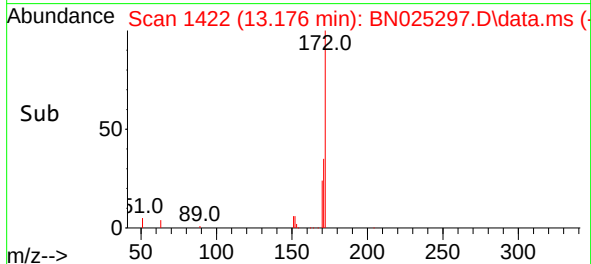
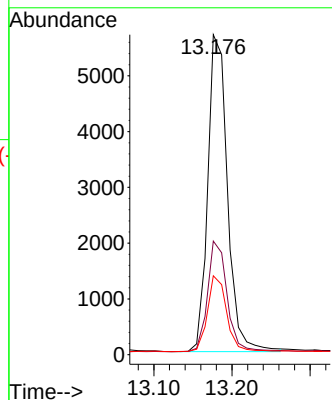
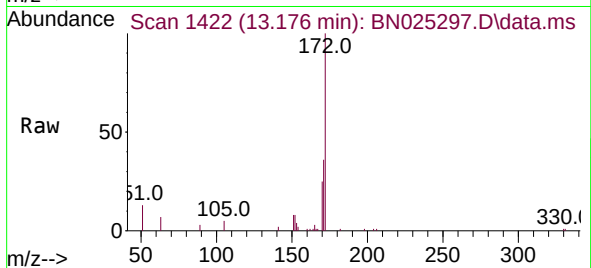




#15
2-Fluorobiphenyl
Concen: 0.253 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.011 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

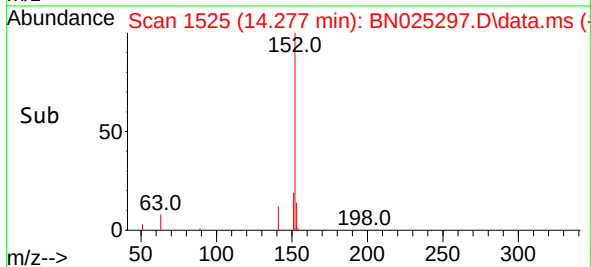
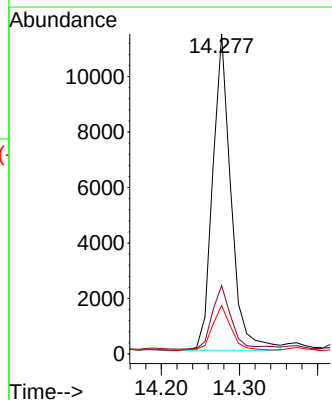
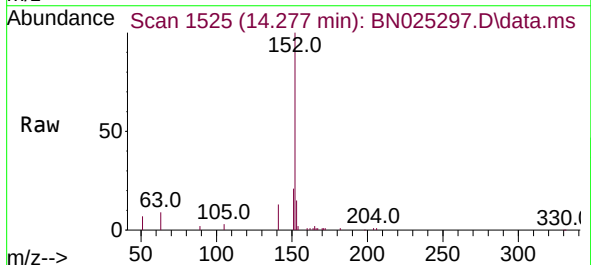
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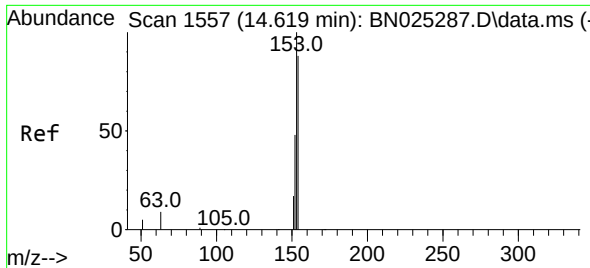
Tgt Ion:	172	Resp:	9983
Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.9	41.9
170	24.7	19.0	28.4



#16
Acenaphthylene
Concen: 0.362 ng
RT: 14.277 min Scan# 1525
Delta R.T. 0.000 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

Tgt Ion:	152	Resp:	18593
Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.1	24.1
153	14.5	10.3	15.5

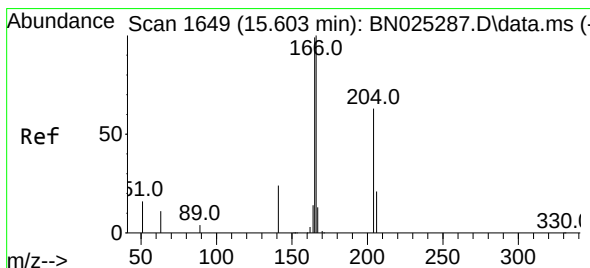
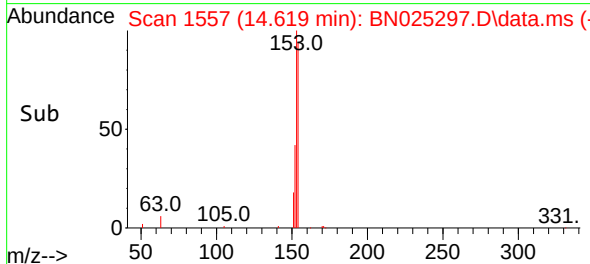
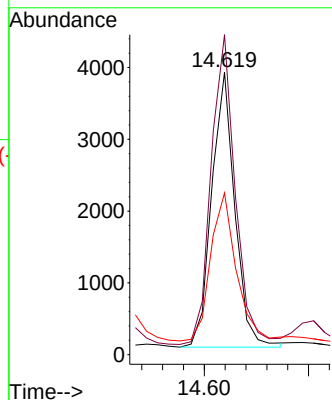
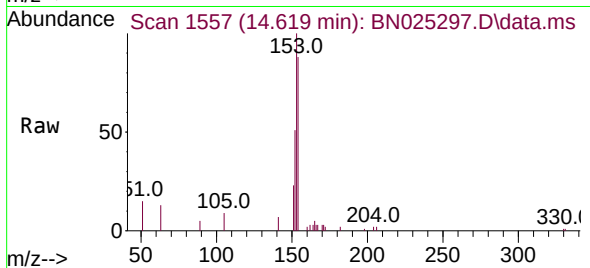




#17
Acenaphthene
Concen: 0.185 ng
RT: 14.619 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

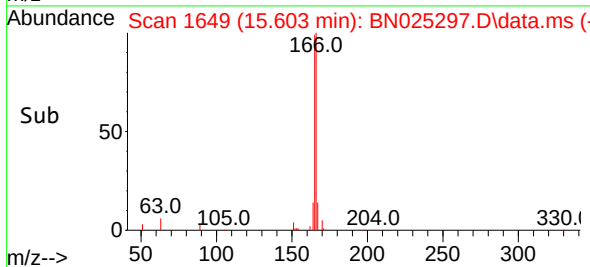
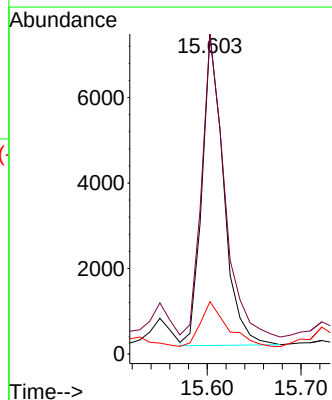
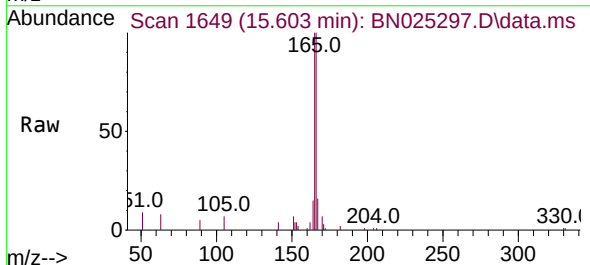
Instrument :
BNA_N
ClientSampleId :
ZONE-C-6-9-05012023

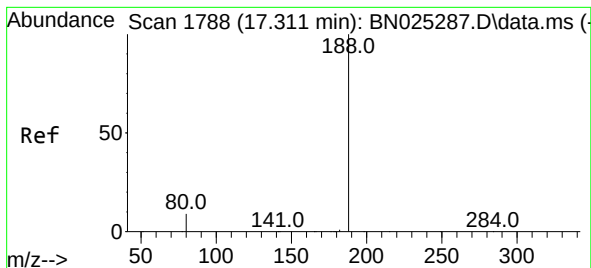
Tgt Ion:154 Resp: 5924
Ion Ratio Lower Upper
154 100
153 116.4 91.3 136.9
152 59.6 44.7 67.1



#18
Fluorene
Concen: 0.265 ng
RT: 15.603 min Scan# 1649
Delta R.T. 0.000 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

Tgt Ion:166 Resp: 11617
Ion Ratio Lower Upper
166 100
165 102.7 79.0 118.4
167 18.0 10.3 15.5#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.299 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN025297.D

Acq: 06 May 2023 02:48

Instrument :

BNA_N

ClientSampleId :

ZONE-C-6-9-05012023

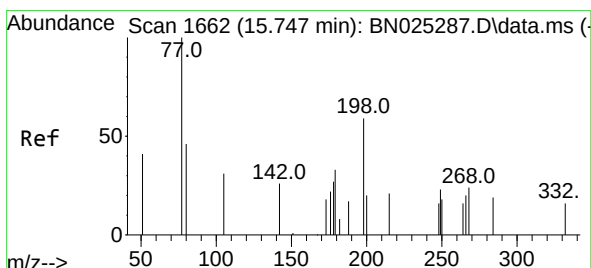
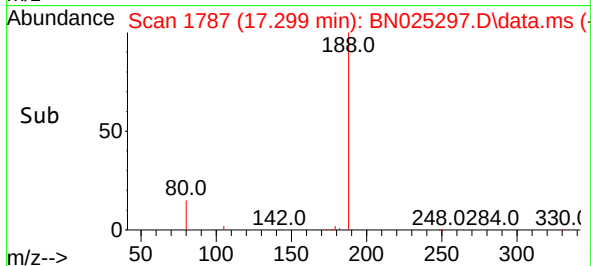
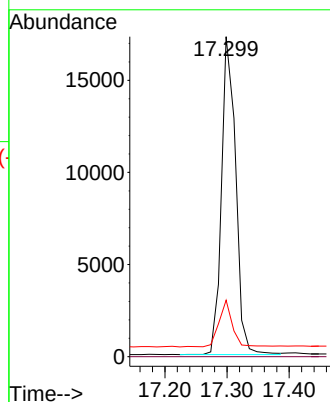
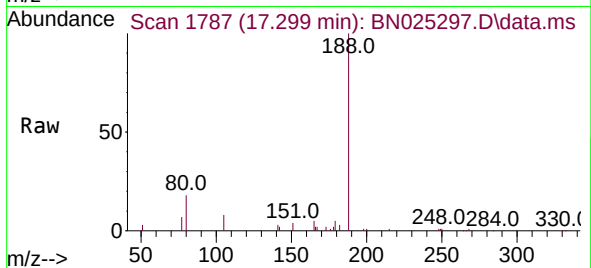
Tgt Ion:188 Resp: 27290

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 17.6 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: BN025297.D

Acq: 06 May 2023 02:48

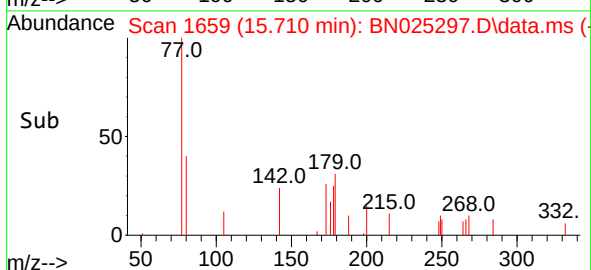
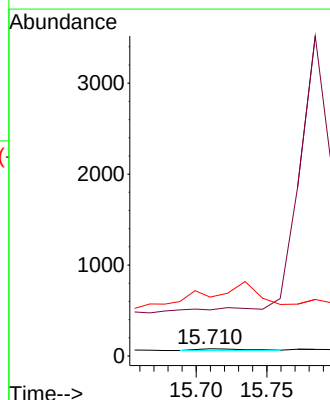
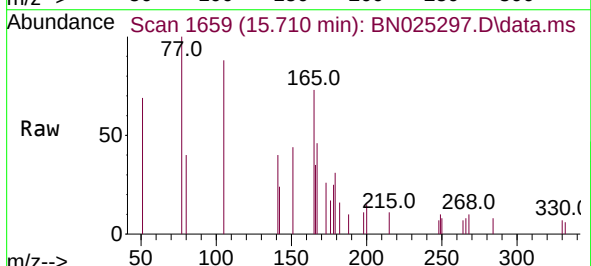
Tgt Ion:198 Resp: 50

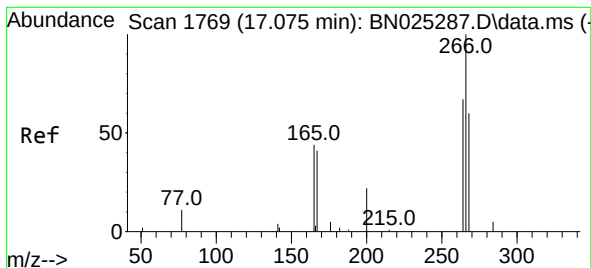
Ion Ratio Lower Upper

198 100

51 641.8 162.1 243.1#

105 819.0 83.1 124.7#





#24

Pentachlorophenol

Concen: 0.275 ng

RT: 17.112 min Scan# 1772

Delta R.T. 0.037 min

Lab File: BN025297.D

Acq: 06 May 2023 02:48

Instrument :

BNA_N

ClientSampleId :

ZONE-C-6-9-05012023

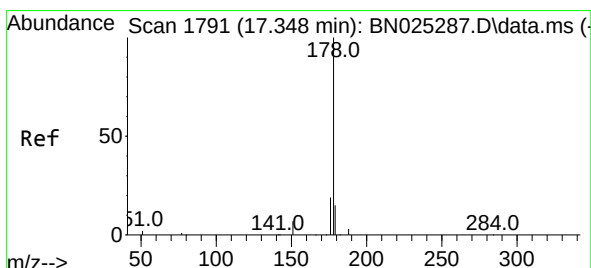
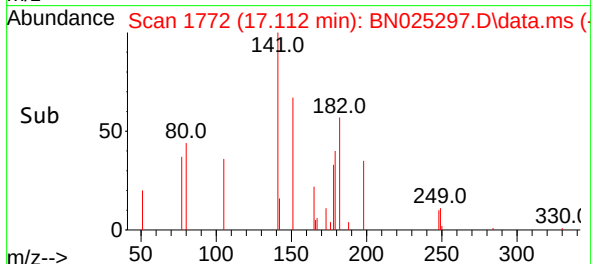
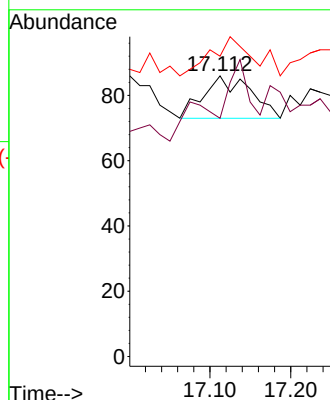
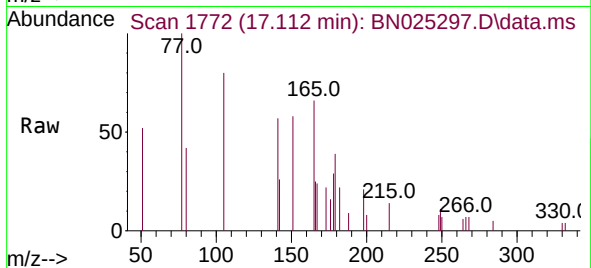
Tgt Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

264 0.0 43.0 64.4#

268 0.0 47.4 71.2#



#25

Phenanthrene

Concen: 1.732 ng

RT: 17.348 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BN025297.D

Acq: 06 May 2023 02:48

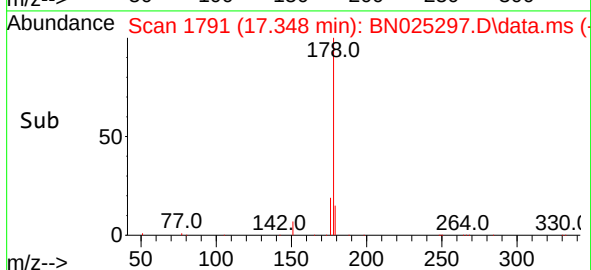
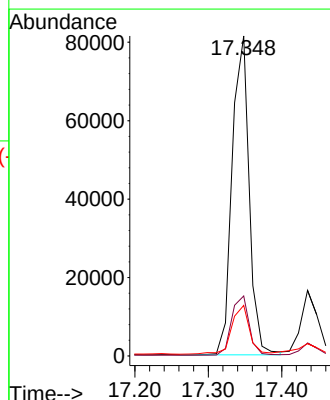
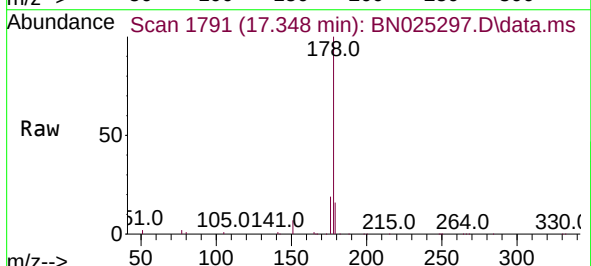
Tgt Ion:178 Resp: 130791

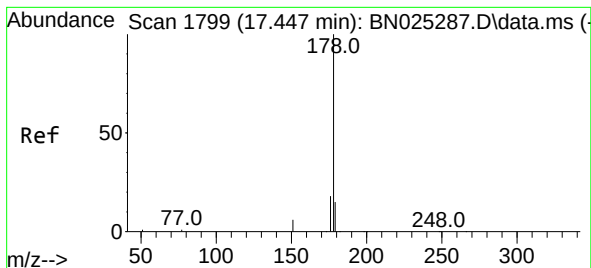
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 16.0 12.4 18.6





#26

Anthracene

Concen: 0.360 ng

RT: 17.435 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN025297.D

Acq: 06 May 2023 02:48

Instrument :

BNA_N

ClientSampleId :

ZONE-C-6-9-05012023

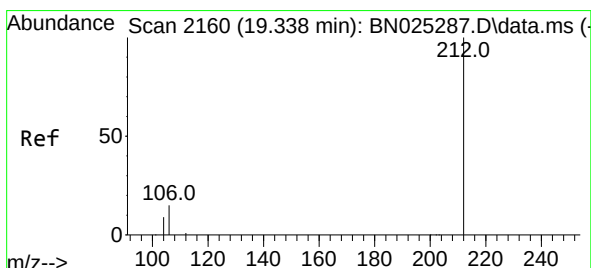
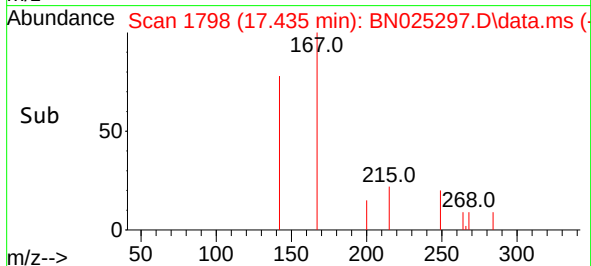
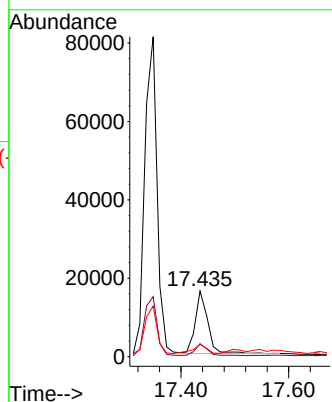
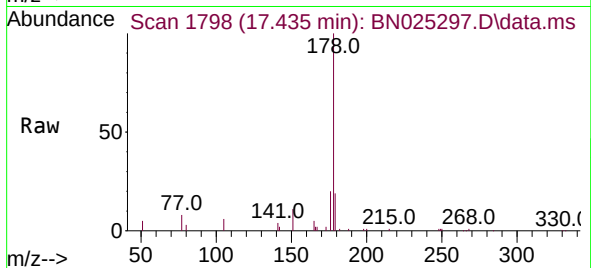
Tgt Ion:178 Resp: 25465

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 16.9 12.0 18.0



#27

Fluoranthene-d10

Concen: 0.237 ng

RT: 19.334 min Scan# 2159

Delta R.T. -0.004 min

Lab File: BN025297.D

Acq: 06 May 2023 02:48

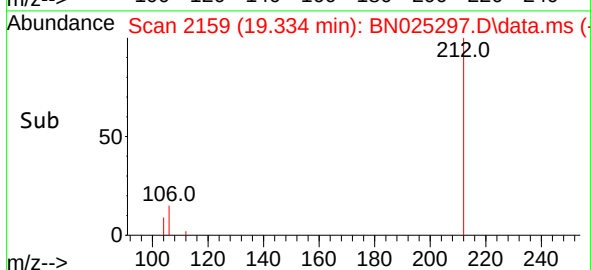
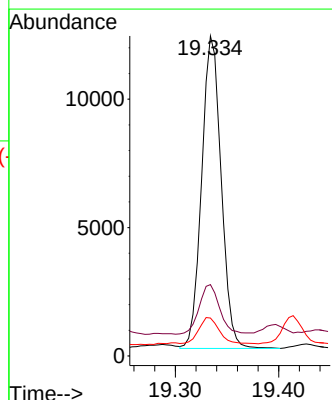
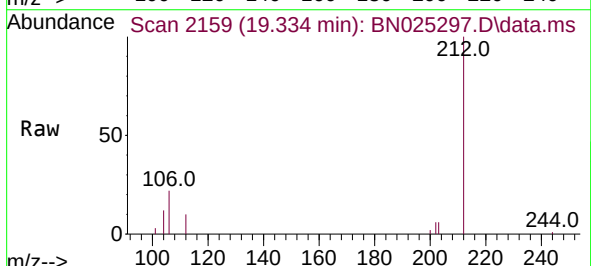
Tgt Ion:212 Resp: 15965

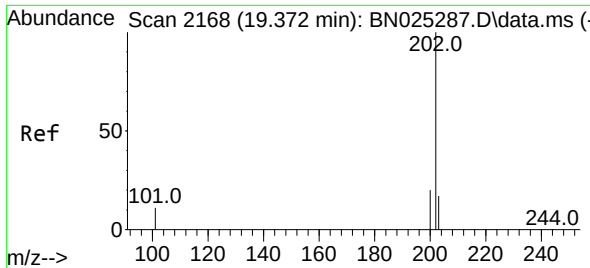
Ion Ratio Lower Upper

212 100

106 16.7 12.6 19.0

104 9.0 7.0 10.6

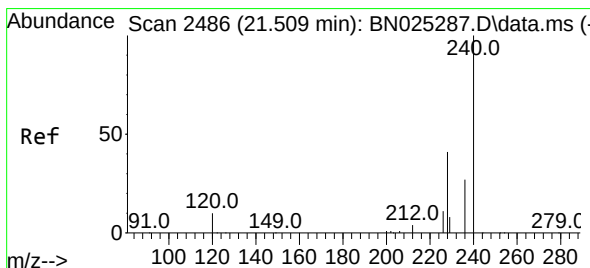
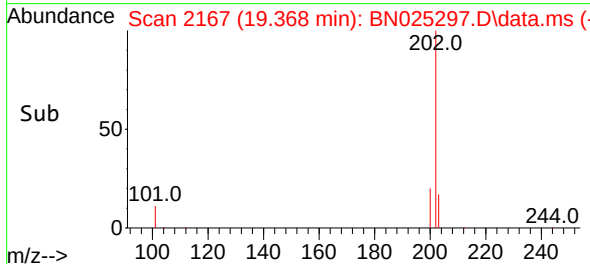
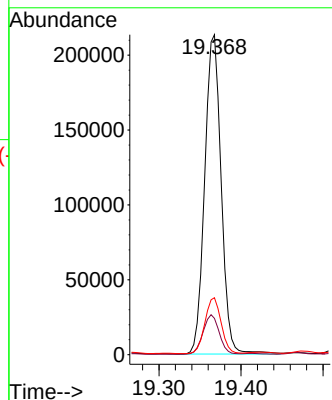
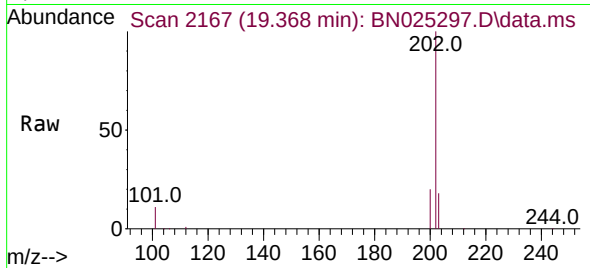




#28
Fluoranthene
Concen: 3.144 ng
RT: 19.368 min Scan# 2167
Delta R.T. -0.004 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

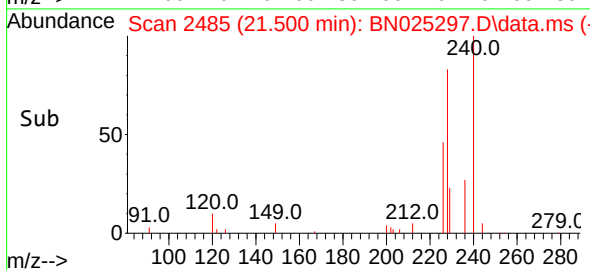
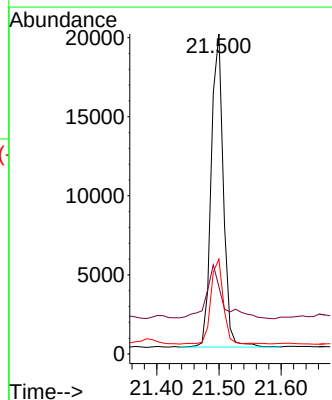
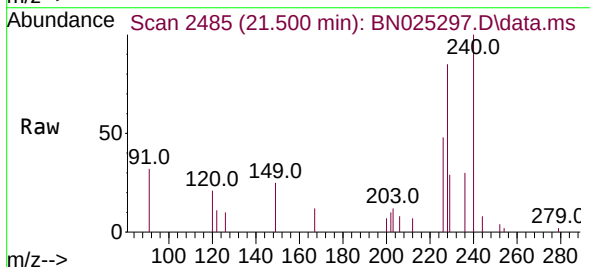
Instrument :
BNA_N
ClientSampleId :
ZONE-C-6-9-05012023

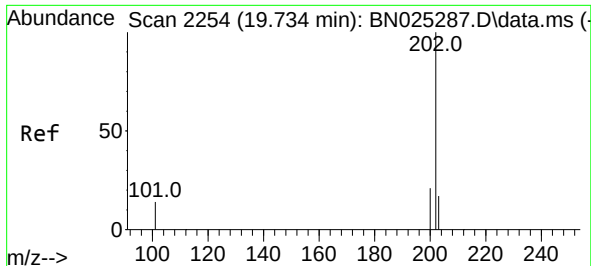
Tgt Ion:202 Resp: 296653
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.8
203 17.2 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.500 min Scan# 2485
Delta R.T. -0.009 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

Tgt Ion:240 Resp: 26764
Ion Ratio Lower Upper
240 100
120 21.0 10.3 15.5#
236 29.6 22.3 33.5

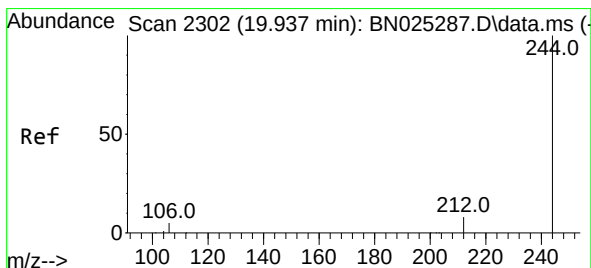
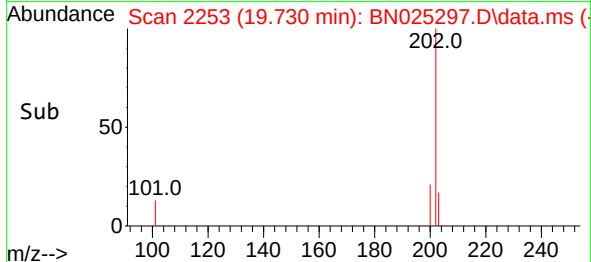
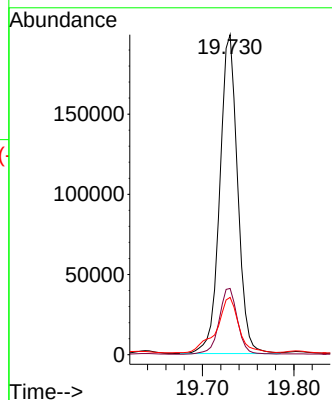
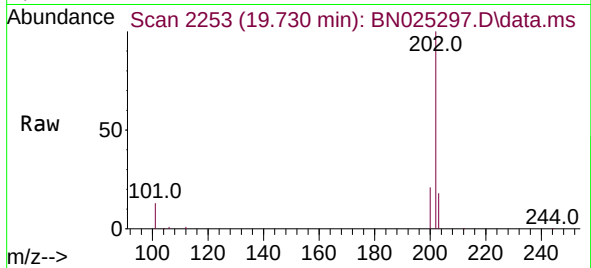




#30
Pyrene
Concen: 2.936 ng
RT: 19.730 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

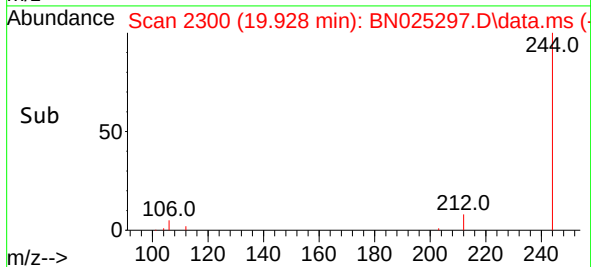
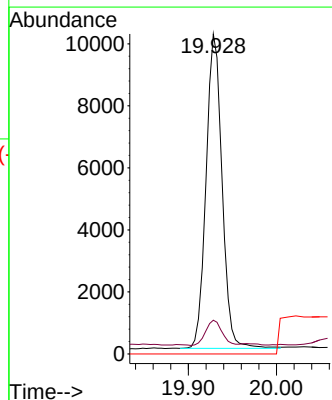
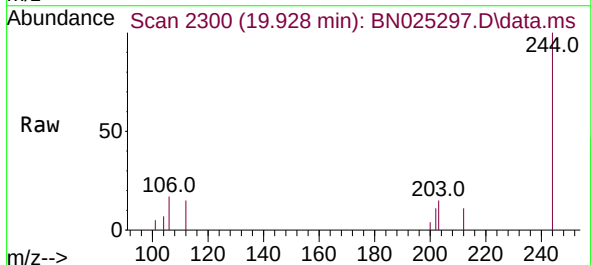
Instrument :
BNA_N
ClientSampleId :
ZONE-C-6-9-05012023

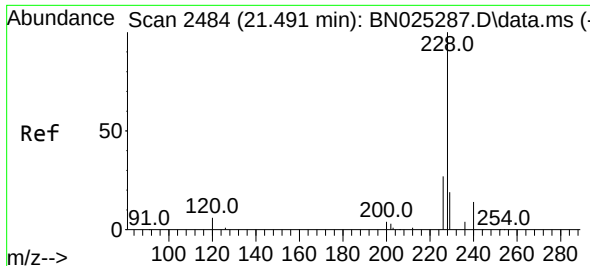
Tgt Ion:202 Resp: 268600
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 21.7 14.4 21.6#



#31
Terphenyl-d14
Concen: 0.237 ng
RT: 19.928 min Scan# 2300
Delta R.T. -0.008 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

Tgt Ion:244 Resp: 12798
Ion Ratio Lower Upper
244 100
212 10.6 7.1 10.7
122 0.0 0.0 0.0

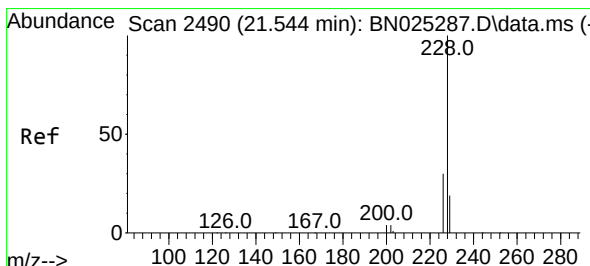
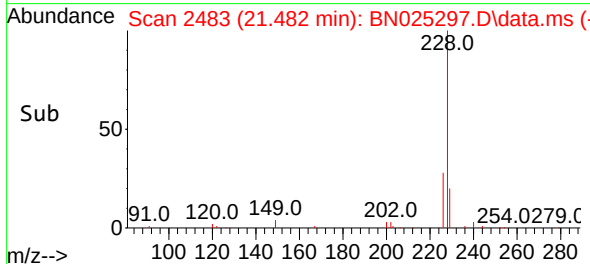
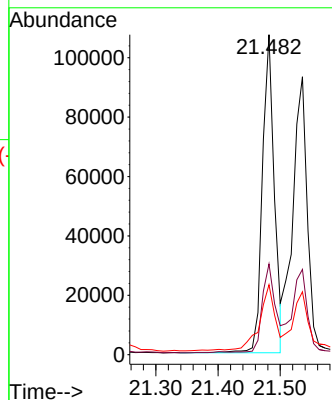
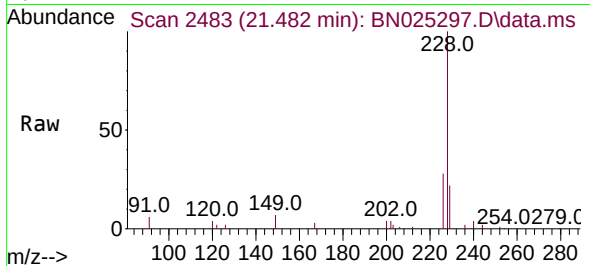




#32
Benzo(a)anthracene
Concen: 1.580 ng
RT: 21.482 min Scan# 2483
Delta R.T. -0.009 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

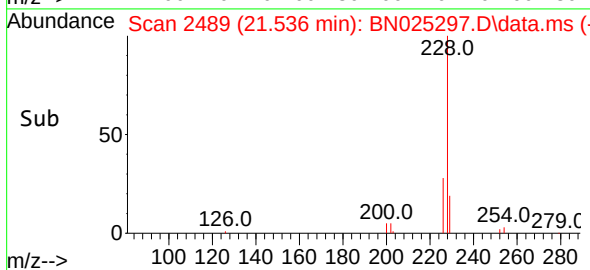
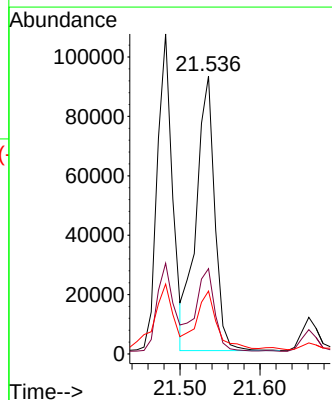
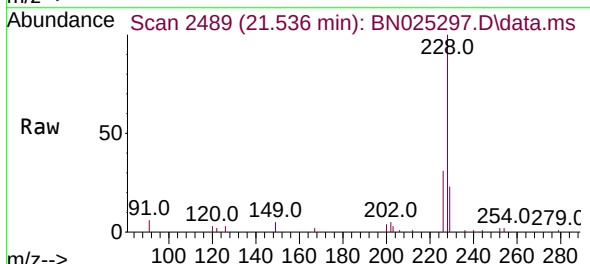
Instrument :
BNA_N
ClientSampleId :
ZONE-C-6-9-05012023

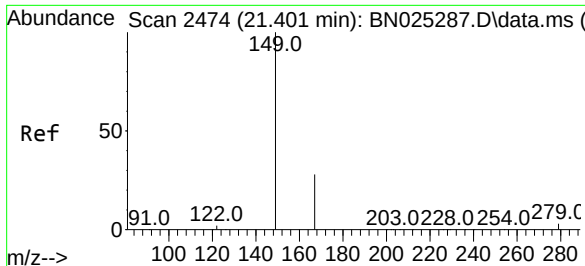
Tgt Ion:228 Resp: 142924
Ion Ratio Lower Upper
228 100
226 28.3 22.5 33.7
229 21.8 16.2 24.2



#33
Chrysene
Concen: 1.664 ng
RT: 21.536 min Scan# 2489
Delta R.T. -0.009 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

Tgt Ion:228 Resp: 149807
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 22.6 16.2 24.4

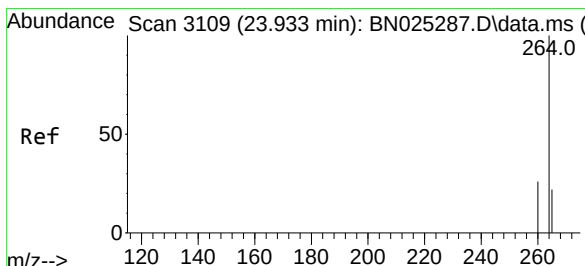
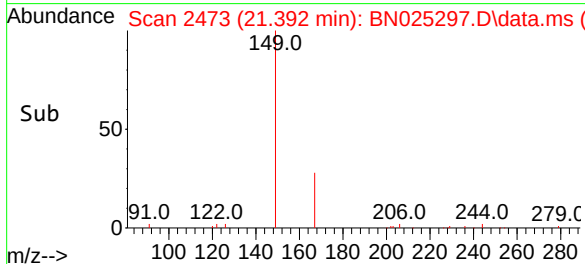
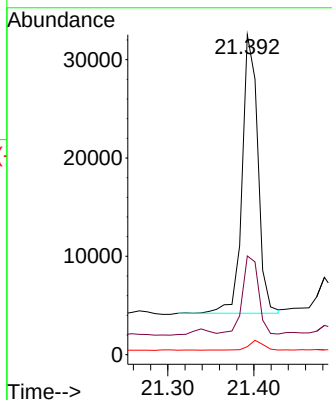
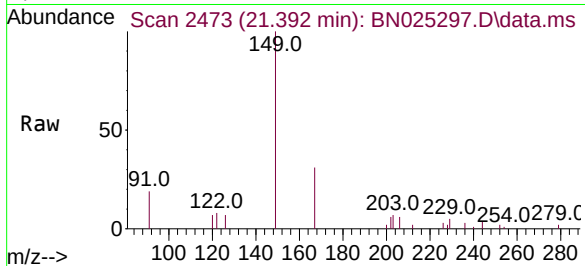




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.505 ng
 RT: 21.392 min Scan# 2473
 Delta R.T. -0.009 min
 Lab File: BN025297.D
 Acq: 06 May 2023 02:48

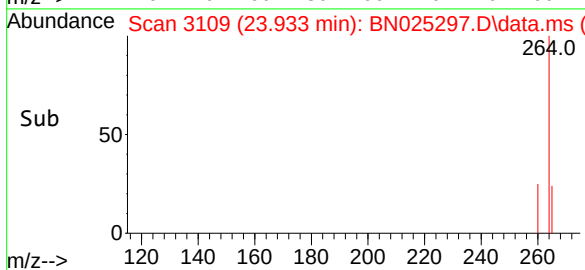
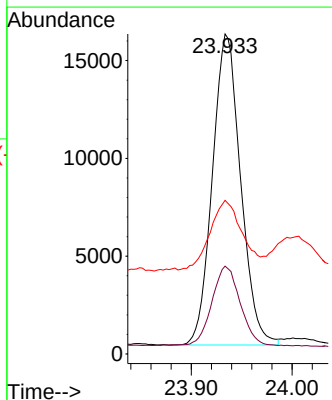
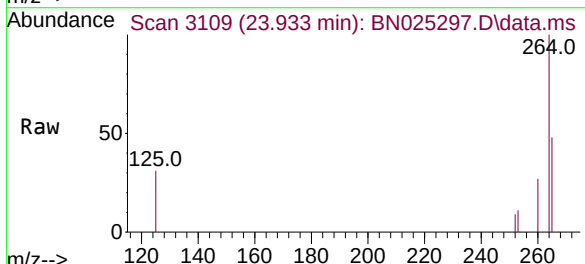
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-C-6-9-05012023

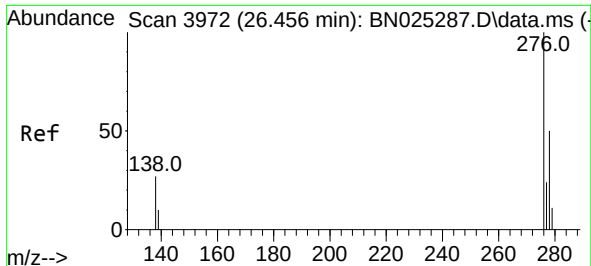
Tgt Ion:149 Resp: 35813
 Ion Ratio Lower Upper
 149 100
 167 28.9 22.2 33.4
 279 3.3 2.6 4.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.933 min Scan# 3109
 Delta R.T. 0.000 min
 Lab File: BN025297.D
 Acq: 06 May 2023 02:48

Tgt Ion:264 Resp: 30966
 Ion Ratio Lower Upper
 264 100
 260 27.4 21.5 32.3
 265 48.0 46.2 69.4

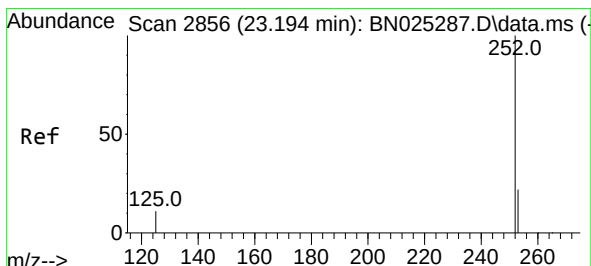
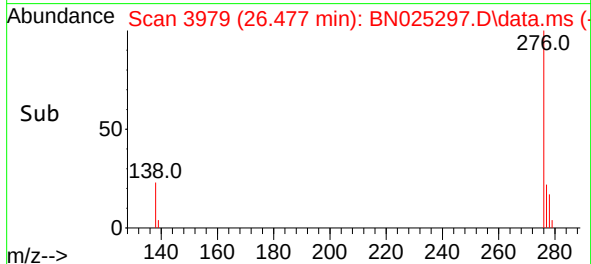
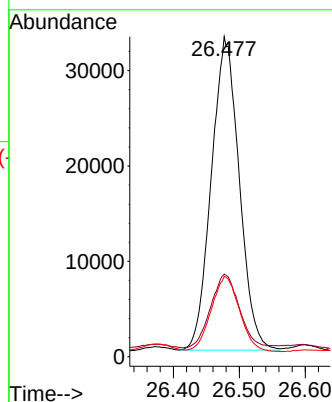
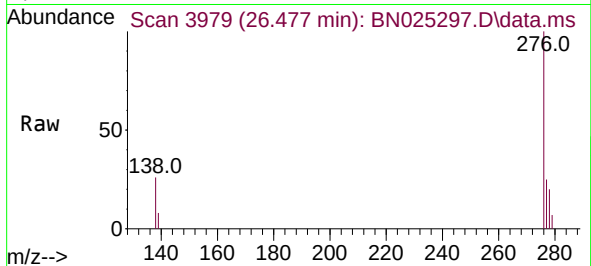




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.775 ng
RT: 26.477 min Scan# 3979
Delta R.T. 0.021 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

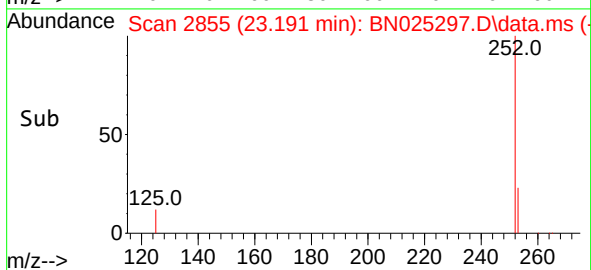
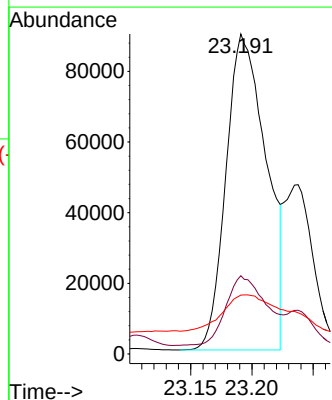
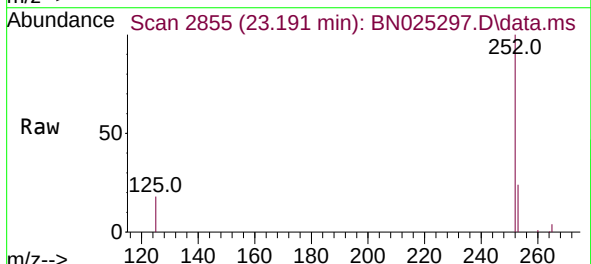
Instrument :
BNA_N
ClientSampleId :
ZONE-C-6-9-05012023

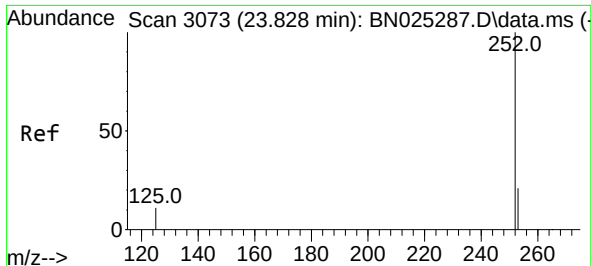
Tgt Ion:276 Resp: 96254
Ion Ratio Lower Upper
276 100
138 23.9 22.5 33.7
277 24.4 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 2.081 ng
RT: 23.191 min Scan# 2855
Delta R.T. -0.003 min
Lab File: BN025297.D
Acq: 06 May 2023 02:48

Tgt Ion:252 Resp: 204231
Ion Ratio Lower Upper
252 100
253 24.5 20.8 31.2
125 18.4 13.4 20.2





#39

Benzo(a)pyrene

Concen: 1.533 ng

RT: 23.831 min Scan# 3073

Delta R.T. 0.003 min

Lab File: BN025297.D

Acq: 06 May 2023 02:48

Instrument :

BNA_N

ClientSampleId :

ZONE-C-6-9-05012023

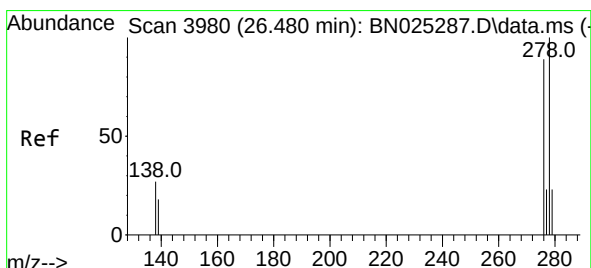
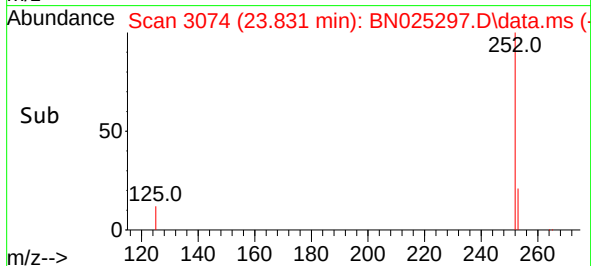
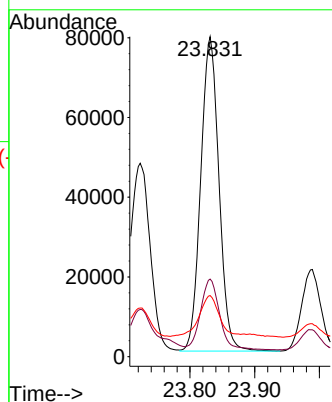
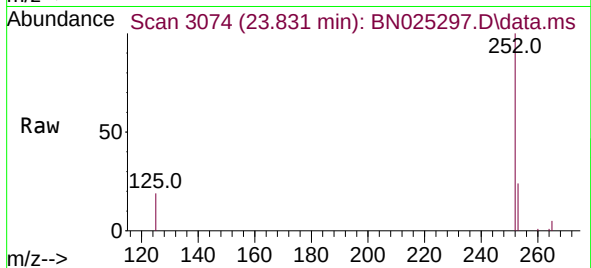
Tgt Ion:252 Resp: 154198

Ion Ratio Lower Upper

252 100

253 24.2 21.4 32.0

125 19.1 15.4 23.2



#40

Dibenzo(a,h)anthracene

Concen: 0.240 ng

RT: 26.486 min Scan# 3982

Delta R.T. 0.006 min

Lab File: BN025297.D

Acq: 06 May 2023 02:48

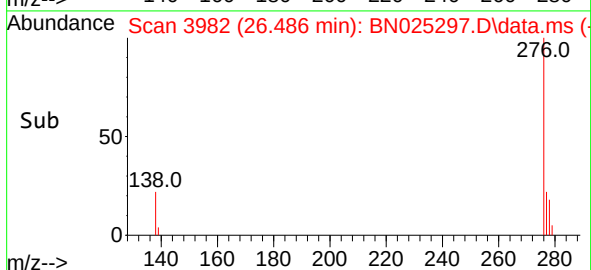
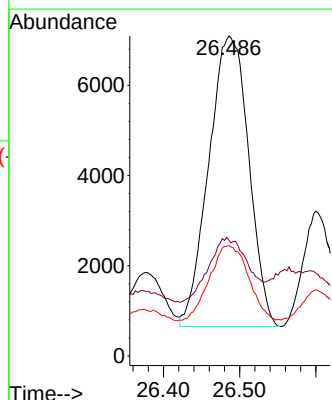
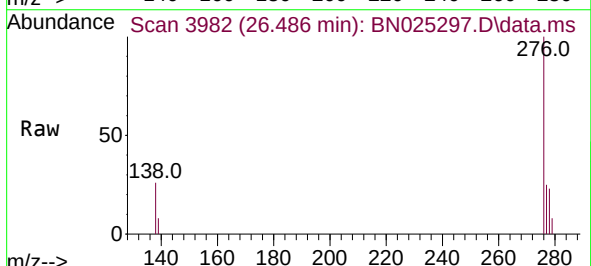
Tgt Ion:278 Resp: 23480

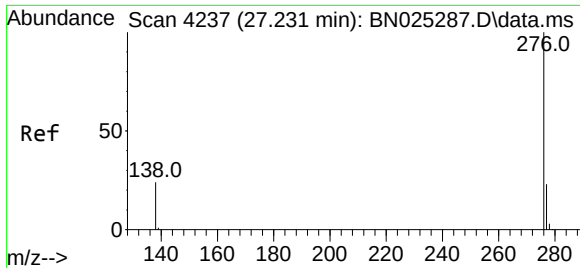
Ion Ratio Lower Upper

278 100

139 36.2 17.6 26.4#

279 34.4 21.6 32.4#





#41

Benzo(g,h,i)perylene

Concen: 0.880 ng

RT: 27.261 min Scan# 41

Delta R.T. 0.029 min

Lab File: BN025297.D

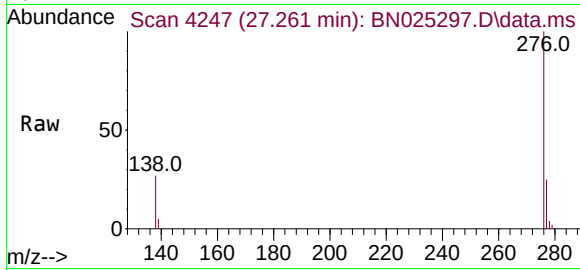
Acq: 06 May 2023 02:48

Instrument :

BNA_N

ClientSampleId :

ZONE-C-6-9-05012023



Tgt Ion:276 Resp: 94738

Ion Ratio Lower Upper

276 100

277 25.3 20.1 30.1

138 26.5 21.0 31.6

