

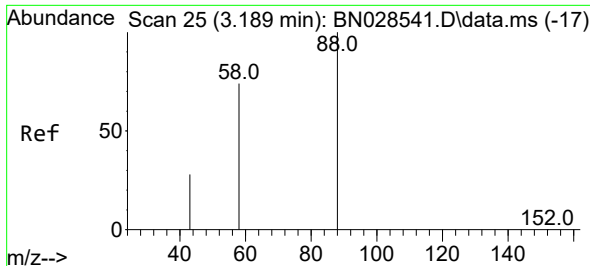
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110923\
 Data File : BN028551.D
 Acq On : 10 Nov 2023 11:21
 Operator : MA/JU
 Sample : 05044-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHED8

Quant Time: Nov 10 23:26:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 16:30:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.703	152	9616	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.500	136	35174	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.371	164	20457	0.400	ng/ul	# 0.02
13) Phenanthrene-d10	17.127	188	38293	0.400	ng/ul	# 0.02
17) Chrysene-d12	21.327	240	24343	0.400	ng/ul	# 0.00
23) Perylene-d12	23.630	264	23568	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	35822	3.371	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.112	152	50517	0.954	ng/ul	0.02
18) Fluoranthene-d10	19.163	212	26877	0.343	ng/ul	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.189	88	3332	0.284	ng/ul#	1
5) Naphthalene	10.555	128	27302	0.277	ng/ul#	1
7) 2-Methylnaphthalene	12.167	142	4042	0.062	ng/ul#	1
8) 1-Methylnaphthalene	12.398	142	47894	0.726	ng/ul	94
10) Acenaphthylene	14.033	152	629619	6.167	ng/ul#	77
11) Acenaphthene	14.426	153	28685	0.382	ng/ul#	65
12) Fluorene	15.421	166	29312	0.335	ng/ul#	74
14) Pentachlorophenol	16.794	266	230	0.025	ng/ul#	37
15) Phenanthrene	17.110	178	446454	3.795	ng/ul#	66
16) Anthracene	17.220	178	6942	0.064	ng/ul#	1
19) Fluoranthene	19.154	202	2500	0.024	ng/ul#	1
20) Pyrene	19.553	202	28675	0.267	ng/ul#	62
21) Benzo(a)anthracene	21.312	228	3900	0.041	ng/ul#	1
22) Chrysene	21.362	228	4457	0.047	ng/ul#	1
24) Benzo(b)fluoranthene	22.931	252	5574	0.063	ng/ul#	1
26) Benzo(a)pyrene	23.530	252	4634	0.055	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.993	276	2870	0.031	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.000	278	1890	0.026	ng/ul#	1
29) Benzo(g,h,i)perylene	26.721	276	5328	0.070	ng/ul#	40

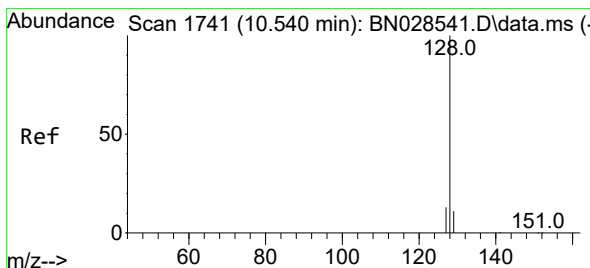
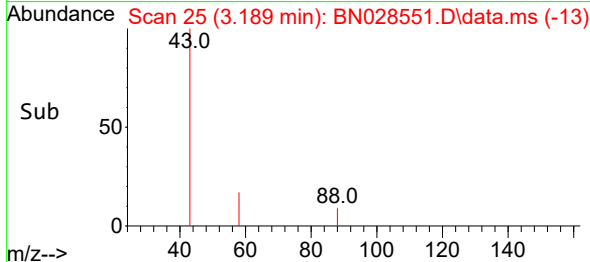
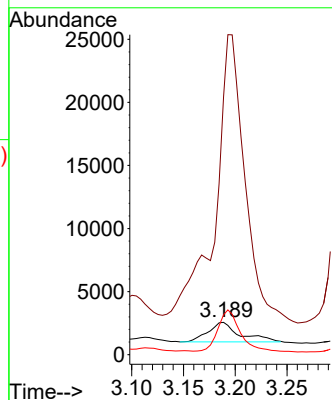
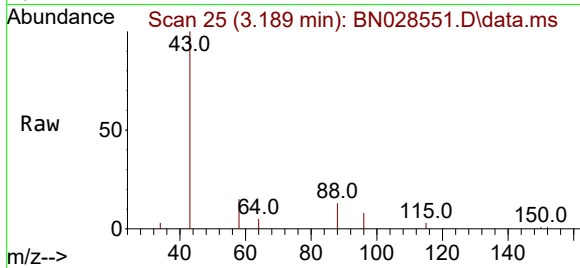
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 0.284 ng/ul
RT: 3.189 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

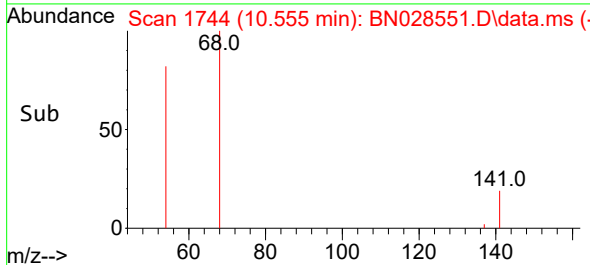
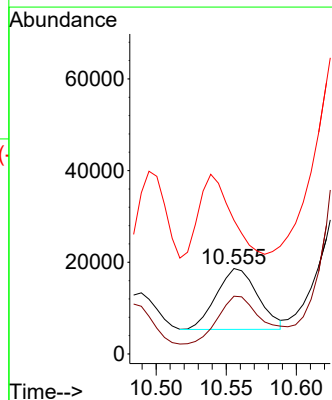
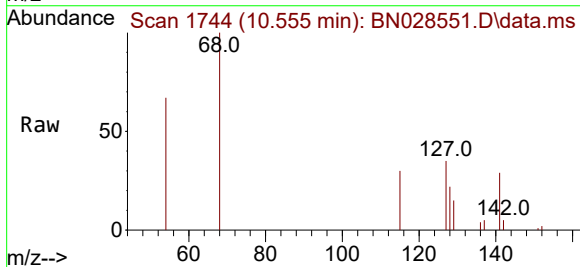
Instrument :
BNA_N
ClientSampleId :
BHED8

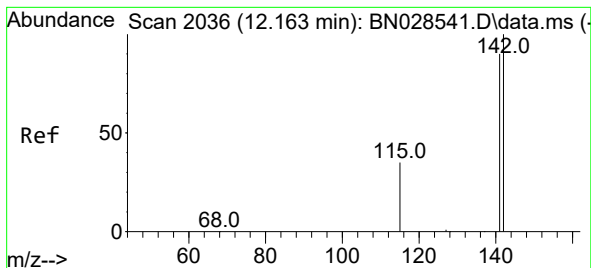
Tgt Ion: 88 Resp: 3332
Ion Ratio Lower Upper
88 100
43 795.9 32.9 49.3#
58 123.1 41.8 62.8#



#5
Naphthalene
Concen: 0.277 ng/ul
RT: 10.555 min Scan# 1744
Delta R.T. 0.011 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

Tgt Ion: 128 Resp: 27302
Ion Ratio Lower Upper
128 100
129 67.6 9.2 13.8#
127 156.6 10.7 16.1#





#7

2-Methylnaphthalene

Concen: 0.062 ng/ul

RT: 12.167 min Scan# 2036

Delta R.T. -0.000 min

Lab File: BN028551.D

Acq: 10 Nov 2023 11:21

Instrument :

BNA_N

ClientSampleId :

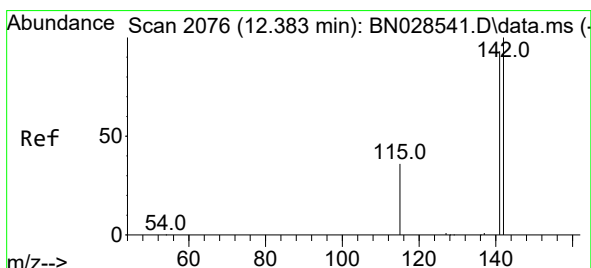
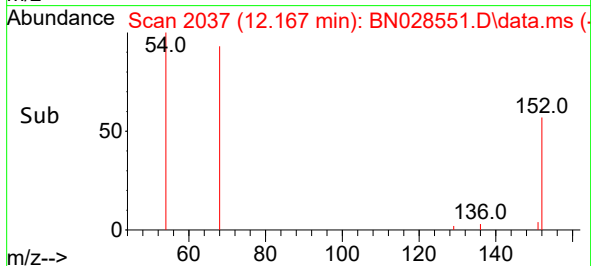
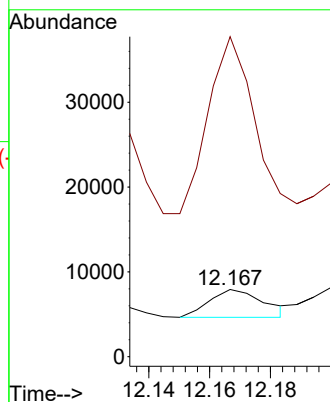
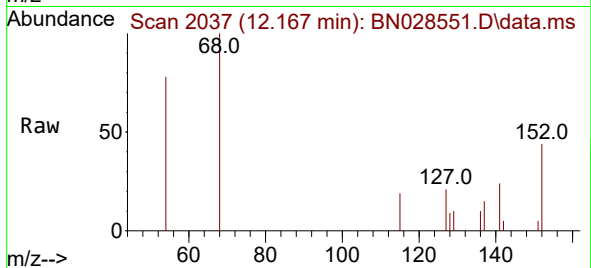
BHED8

Tgt Ion:142 Resp: 4042

Ion Ratio Lower Upper

142 100

141 545.6 70.8 106.2#



#8

1-Methylnaphthalene

Concen: 0.726 ng/ul

RT: 12.398 min Scan# 2079

Delta R.T. 0.011 min

Lab File: BN028551.D

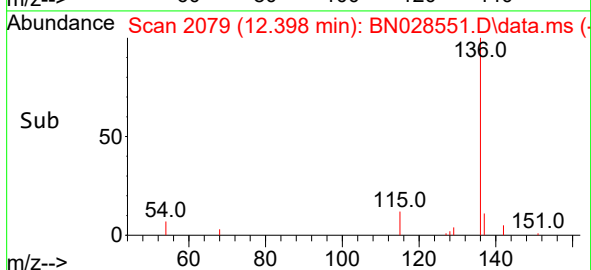
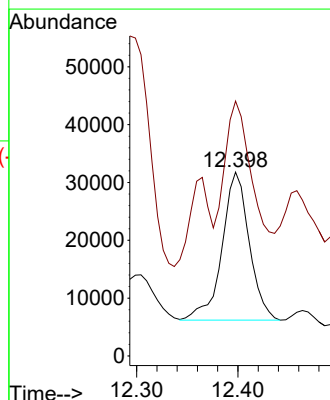
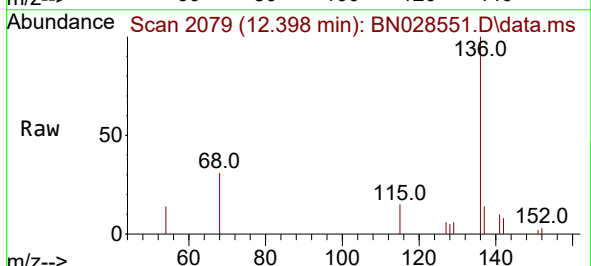
Acq: 10 Nov 2023 11:21

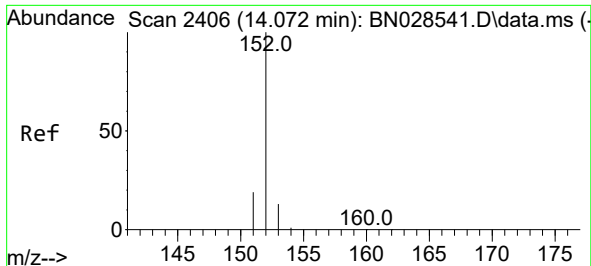
Tgt Ion:142 Resp: 47894

Ion Ratio Lower Upper

142 100

141 86.4 74.1 111.1

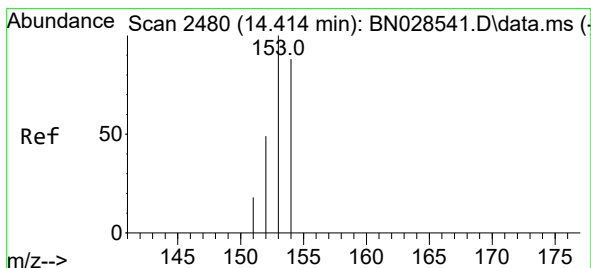
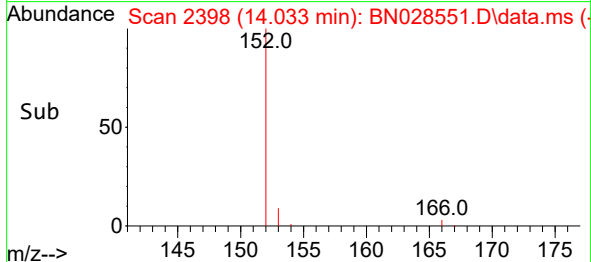
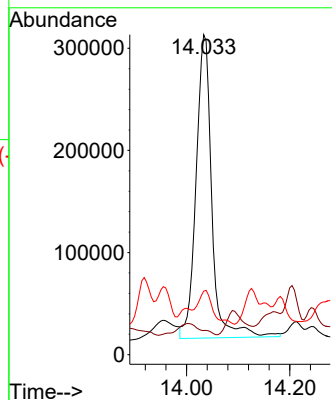
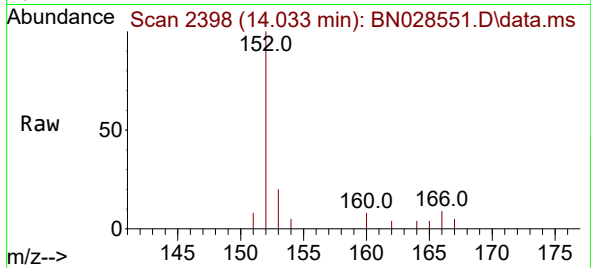




#10
Acenaphthylene
Concen: 6.167 ng/ul
RT: 14.033 min Scan# 21
Delta R.T. -0.037 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

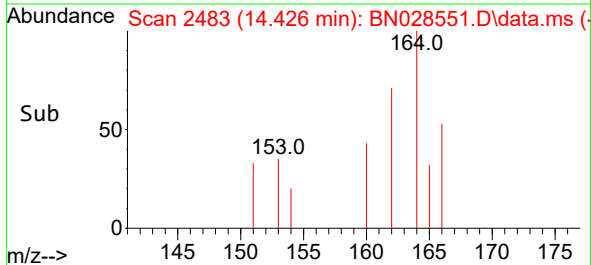
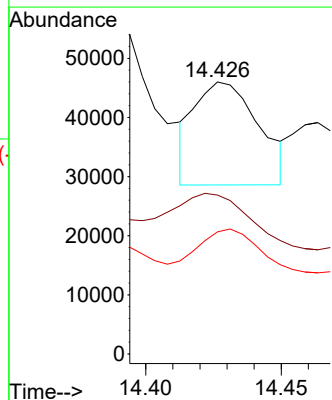
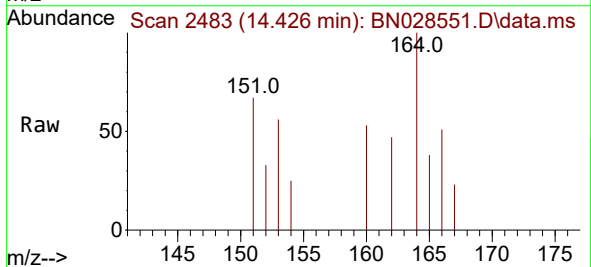
Instrument :
BNA_N
ClientSampleId :
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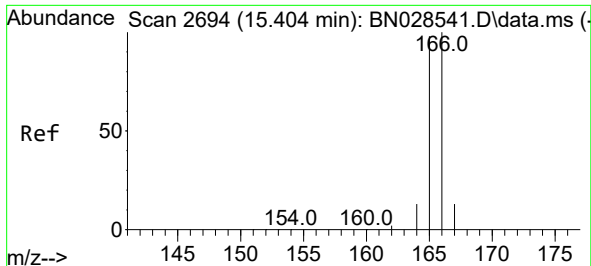
Tgt Ion:152 Resp: 629619
Ion Ratio Lower Upper
152 100
151 7.5 16.1 24.1#
153 19.9 10.6 15.8#



#11
Acenaphthene
Concen: 0.382 ng/ul
RT: 14.426 min Scan# 2483
Delta R.T. 0.009 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

Tgt Ion:153 Resp: 28685
Ion Ratio Lower Upper
153 100
152 58.4 39.6 59.4
154 44.9 71.0 106.6#

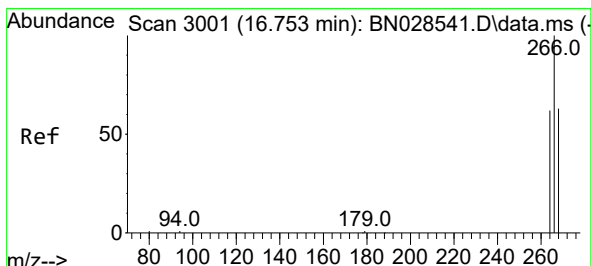
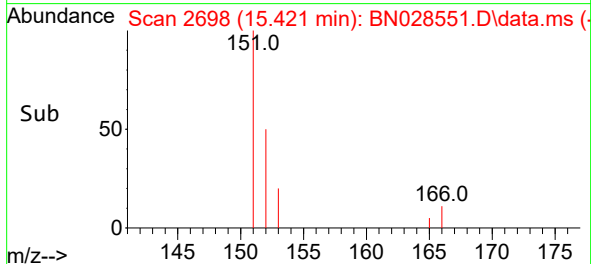
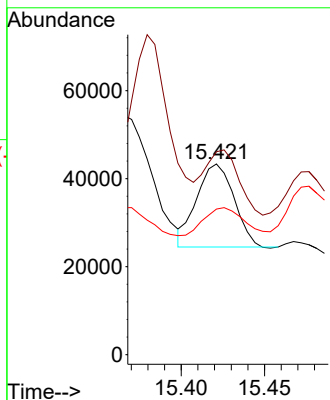
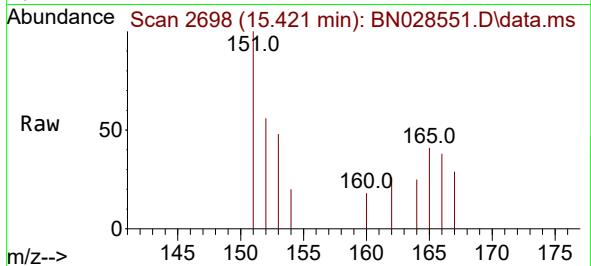




#12
Fluorene
Concen: 0.335 ng/ul
RT: 15.421 min Scan# 2011
Delta R.T. 0.014 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

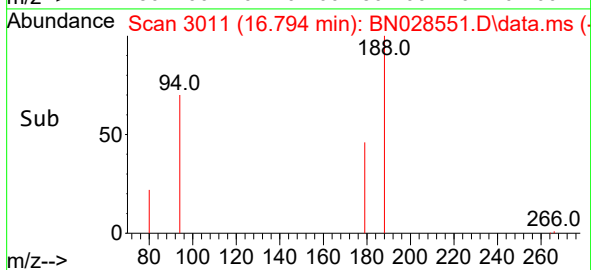
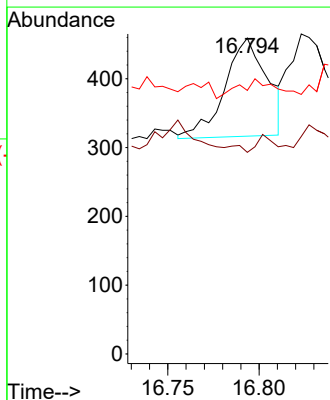
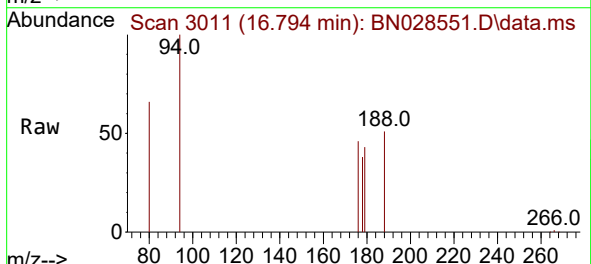
Instrument :
BNA_N
ClientSampleId :
BHED8

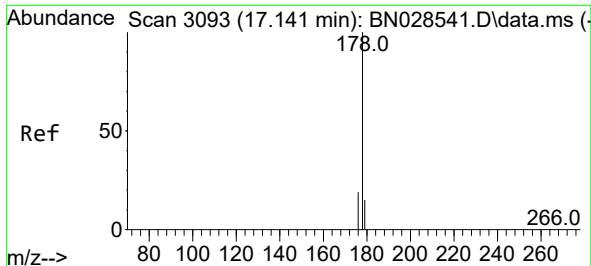
Tgt Ion:166 Resp: 29312
Ion Ratio Lower Upper
166 100
165 106.3 78.6 118.0
167 76.3 11.0 16.6#



#14
Pentachlorophenol
Concen: 0.025 ng/ul
RT: 16.794 min Scan# 3011
Delta R.T. 0.038 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

Tgt Ion:266 Resp: 230
Ion Ratio Lower Upper
266 100
264 10.4 50.1 75.1#
268 18.3 50.6 75.8#

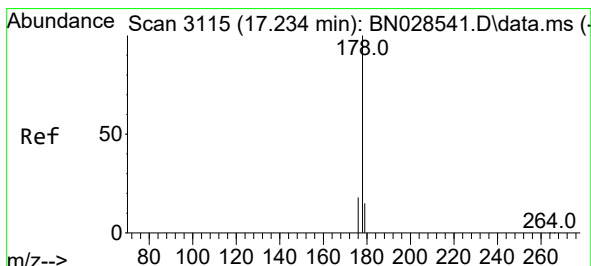
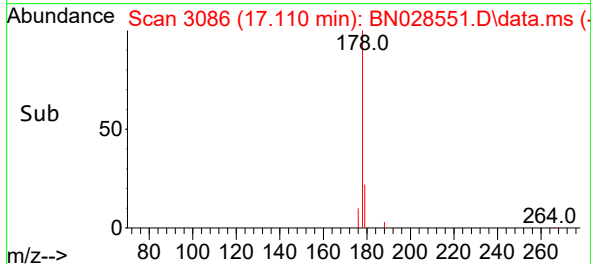
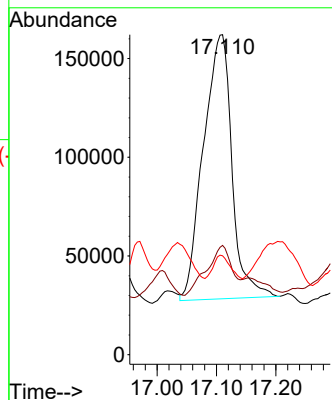
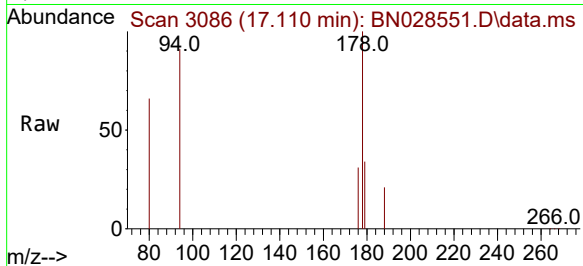




#15
Phenanthrene
Concen: 3.795 ng/ul
RT: 17.110 min Scan# 3093
Delta R.T. -0.034 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

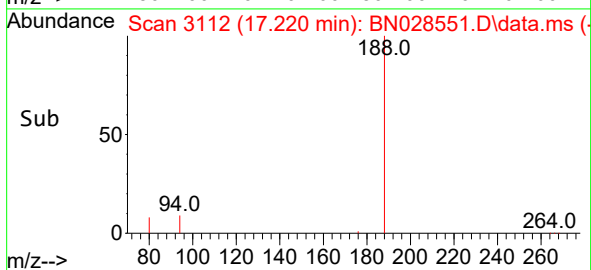
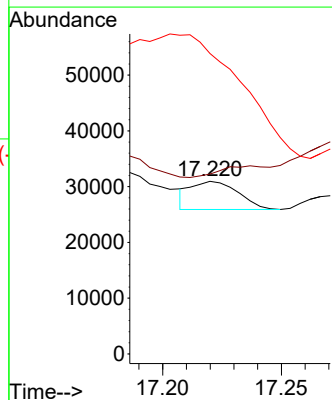
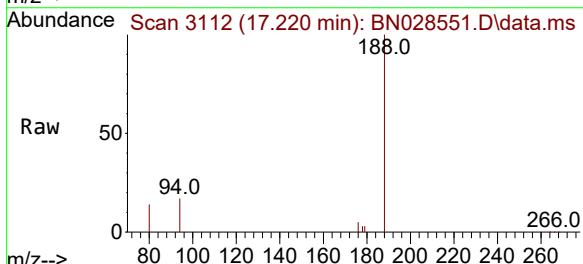
Instrument :
BNA_N
ClientSampleId :
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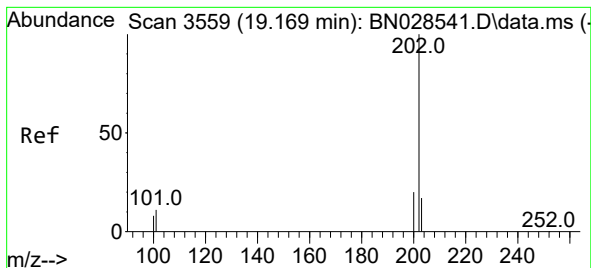
Tgt Ion:178 Resp: 446454
Ion Ratio Lower Upper
178 100
179 34.1 12.4 18.6#
176 30.9 15.4 23.2#



#16
Anthracene
Concen: 0.064 ng/ul
RT: 17.220 min Scan# 3112
Delta R.T. -0.017 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

Tgt Ion:178 Resp: 6942
Ion Ratio Lower Upper
178 100
179 104.2 12.6 18.8#
176 174.0 14.9 22.3#





#19

Fluoranthene

Concen: 0.024 ng/ul

RT: 19.154 min Scan# 3559

Delta R.T. -0.019 min

Lab File: BN028551.D

Acq: 10 Nov 2023 11:21

Instrument :

BNA_N

ClientSampleId :

BHED8

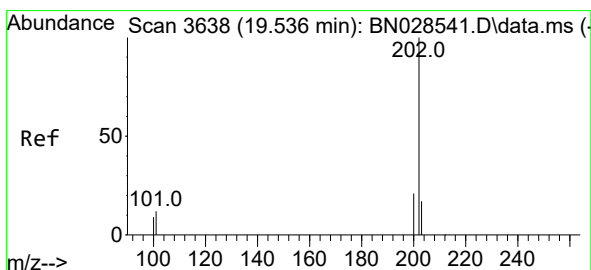
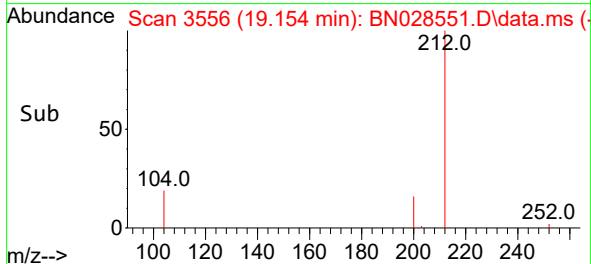
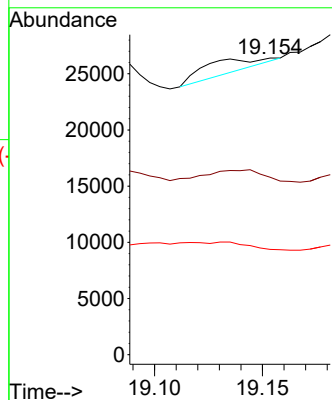
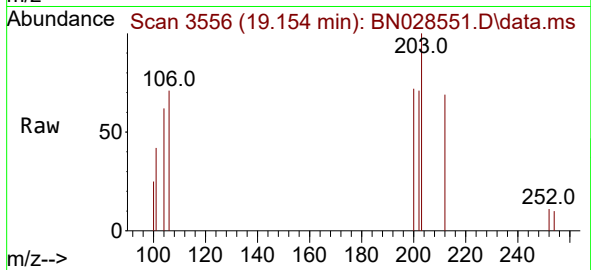
Tgt Ion:202 Resp: 2500

Ion Ratio Lower Upper

202 100

101 59.8 9.5 14.3#

100 35.5 7.2 10.8#



#20

Pyrene

Concen: 0.267 ng/ul

RT: 19.553 min Scan# 3642

Delta R.T. 0.014 min

Lab File: BN028551.D

Acq: 10 Nov 2023 11:21

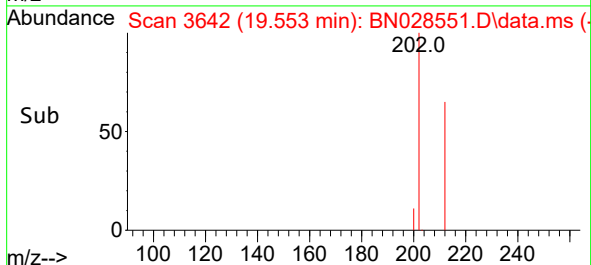
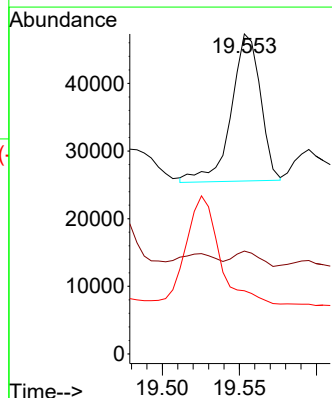
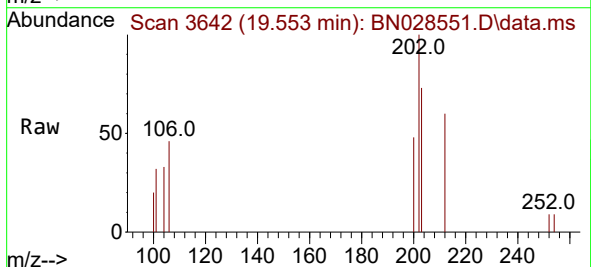
Tgt Ion:202 Resp: 28675

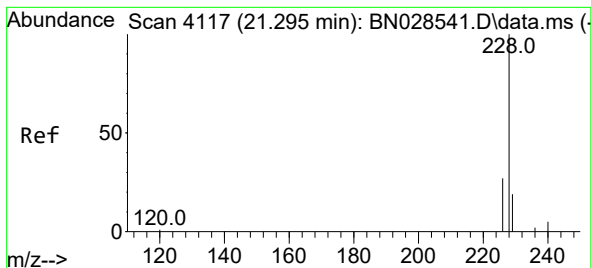
Ion Ratio Lower Upper

202 100

101 32.1 10.3 15.5#

100 19.7 8.2 12.2#





#21

Benzo(a)anthracene

Concen: 0.041 ng/ul

RT: 21.312 min Scan# 4117

Delta R.T. 0.009 min

Lab File: BN028551.D

Acq: 10 Nov 2023 11:21

Instrument :

BNA_N

ClientSampleId :

BHED8

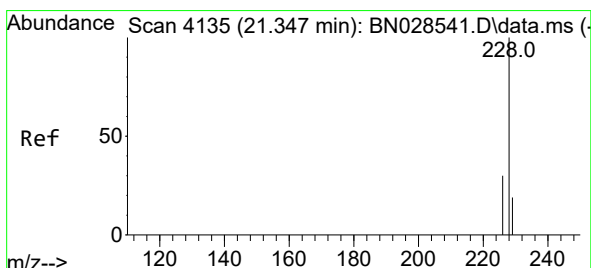
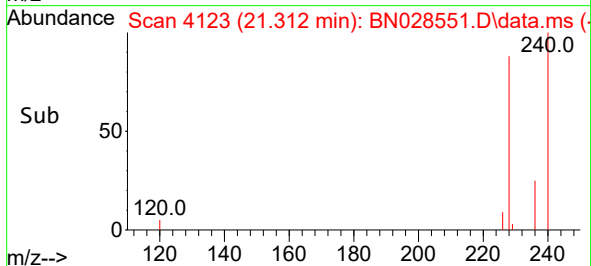
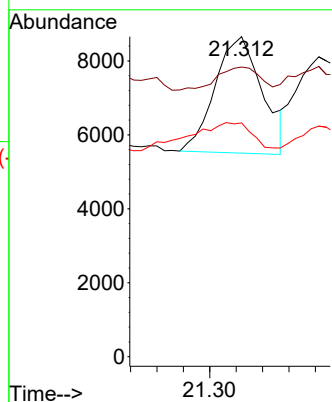
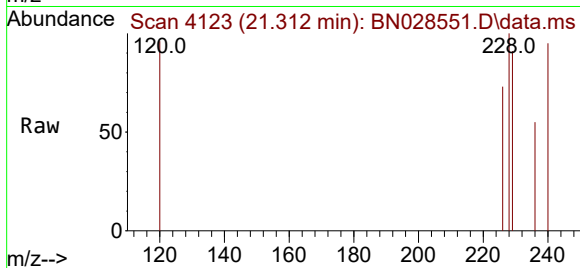
Tgt Ion:228 Resp: 3900

Ion Ratio Lower Upper

228 100

229 90.5 15.7 23.5#

226 73.1 21.4 32.0#



#22

Chrysene

Concen: 0.047 ng/ul

RT: 21.362 min Scan# 4140

Delta R.T. 0.006 min

Lab File: BN028551.D

Acq: 10 Nov 2023 11:21

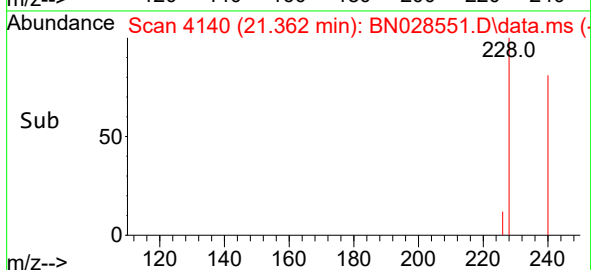
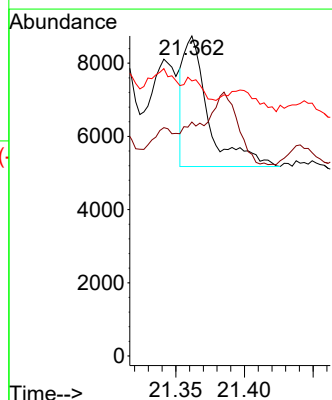
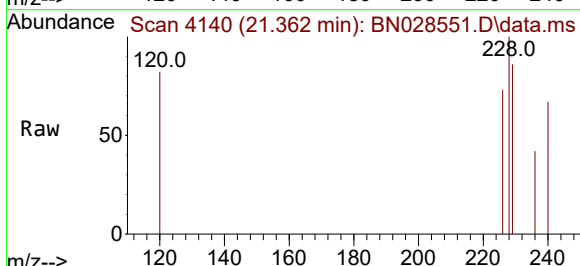
Tgt Ion:228 Resp: 4457

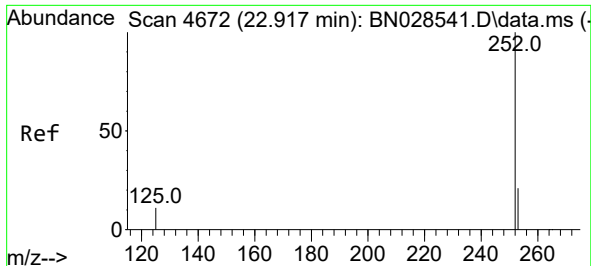
Ion Ratio Lower Upper

228 100

226 73.1 23.8 35.8#

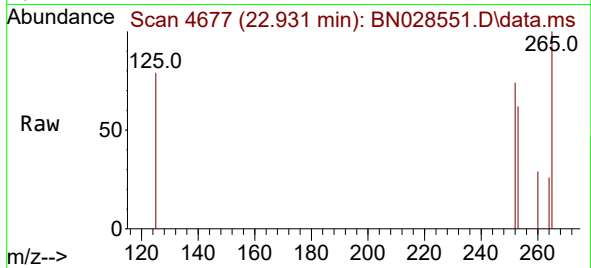
229 85.9 15.4 23.2#



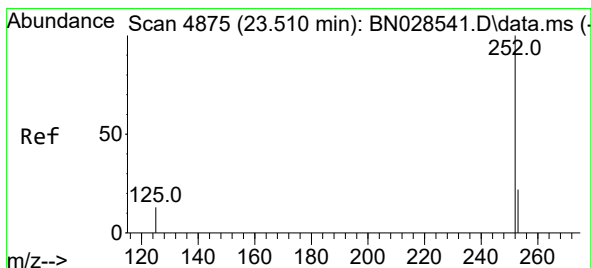
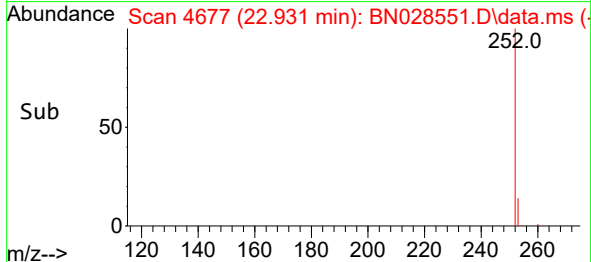
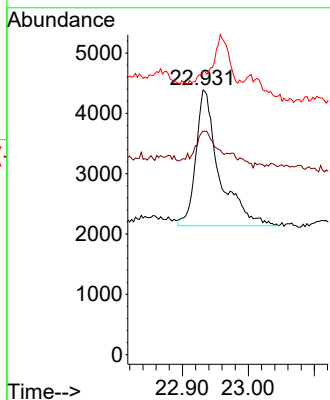


#24
Benzo(b)fluoranthene
Concen: 0.063 ng/ul
RT: 22.931 min Scan# 4677
Delta R.T. 0.003 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

Instrument :
BNA_N
ClientSampleId :
BHED8

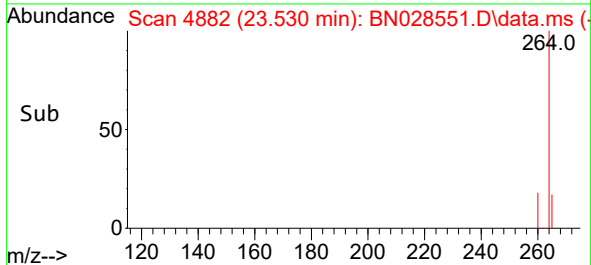
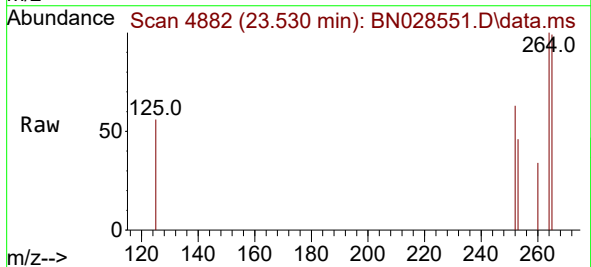
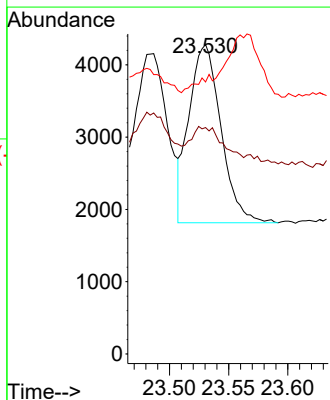


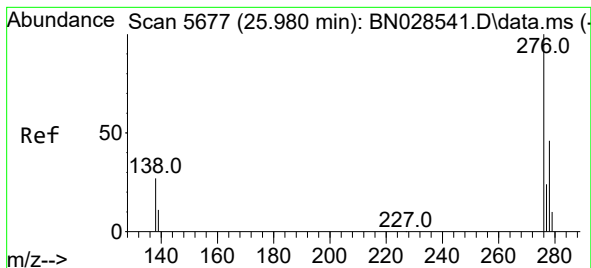
Tgt Ion:252 Resp: 5574
Ion Ratio Lower Upper
252 100
253 84.5 0.0 46.6#
125 107.0 0.0 27.6#



#26
Benzo(a)pyrene
Concen: 0.055 ng/ul
RT: 23.530 min Scan# 4882
Delta R.T. 0.006 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

Tgt Ion:252 Resp: 4634
Ion Ratio Lower Upper
252 100
253 73.1 19.0 28.6#
125 87.9 13.2 19.8#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.031 ng/ul

RT: 25.993 min Scan# 5681

Delta R.T. -0.000 min

Lab File: BN028551.D

Acq: 10 Nov 2023 11:21

Instrument :

BNA_N

ClientSampleId :

BHED8

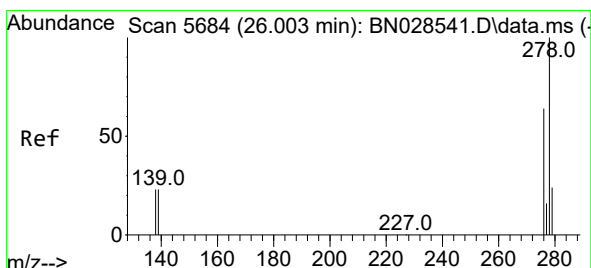
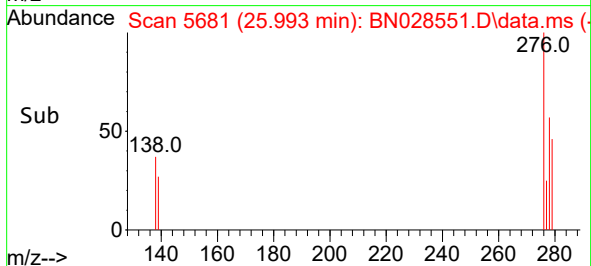
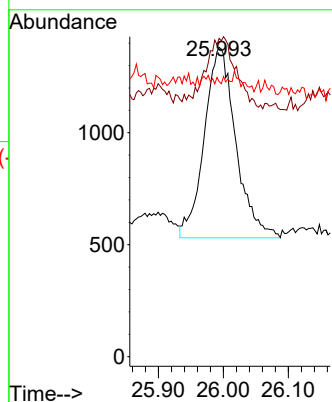
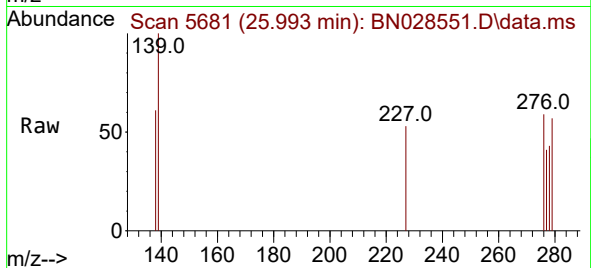
Tgt Ion:276 Resp: 2870

Ion Ratio Lower Upper

276 100

138 37.4 23.8 35.6#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.026 ng/ul

RT: 26.000 min Scan# 5683

Delta R.T. -0.017 min

Lab File: BN028551.D

Acq: 10 Nov 2023 11:21

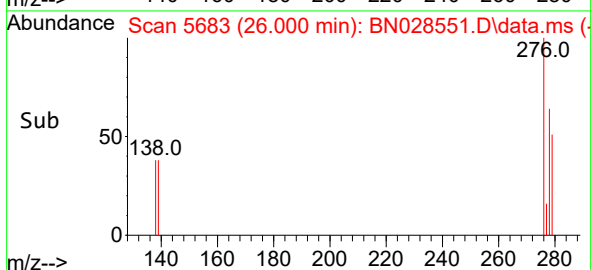
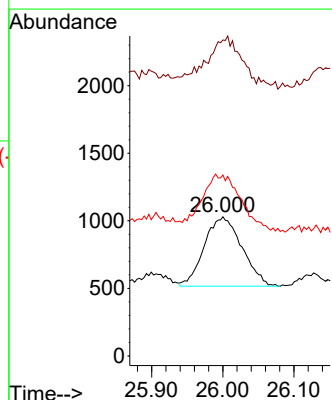
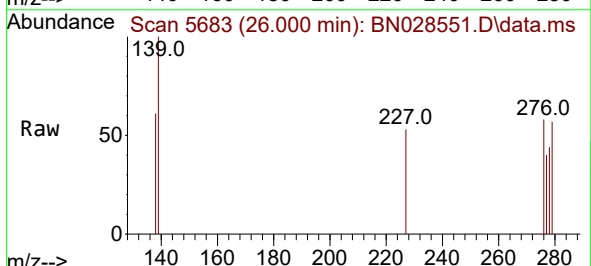
Tgt Ion:278 Resp: 1890

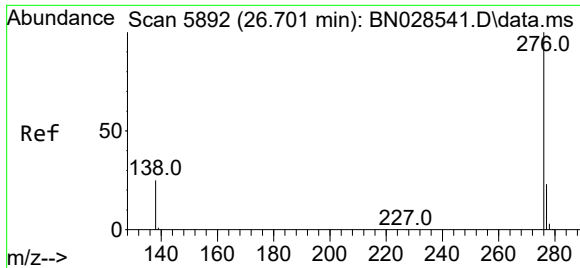
Ion Ratio Lower Upper

278 100

139 227.1 18.2 27.4#

279 130.0 20.7 31.1#





#29
Benzo(g,h,i)perylene
Concen: 0.070 ng/ul
RT: 26.721 min Scan# 51
Delta R.T. 0.003 min
Lab File: BN028551.D
Acq: 10 Nov 2023 11:21

Instrument :
BNA_N
ClientSampleId :
BHED8

Tgt Ion:276 Resp: 5328
Ion Ratio Lower Upper
276 100
138 63.4 20.5 30.7#
277 46.7 19.4 29.0#

