

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102323\
 Data File : BN028366.D
 Acq On : 24 Oct 2023 04:00
 Operator : MA/JU
 Sample : 04841-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 G-1-(5-10)

Quant Time: Oct 24 08:18:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:14:08 2023
 Response via : Initial Calibration

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

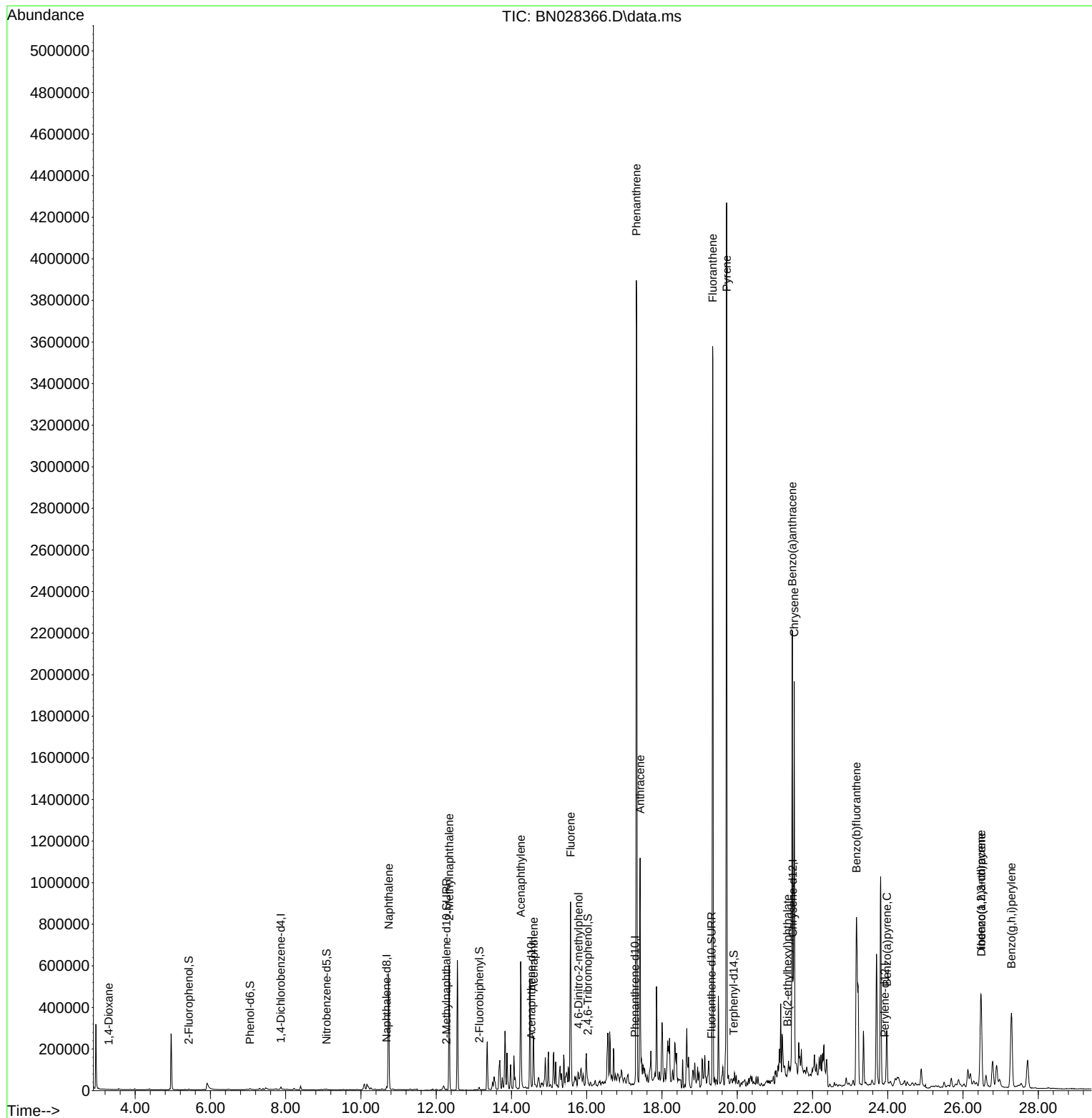
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	5239	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	18257	0.400	ng	-0.02
13) Acenaphthene-d10	14.523	164	18344	0.400	ng	-0.01
19) Phenanthrene-d10	17.281	188	21033	0.400	ng	#-0.01
29) Chrysene-d12	21.480	240	22668	0.400	ng	# 0.00
35) Perylene-d12	23.920	264	22624	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.423	112	4272	0.263	ng	0.00
5) Phenol-d6	7.048	99	5652	0.282	ng	0.00
8) Nitrobenzene-d5	9.080	82	4161	0.257	ng	-0.02
11) 2-Methylnaphthalene-d10	12.271	152	7649	0.279	ng	-0.02
14) 2,4,6-Tribromophenol	16.028	330	1091	0.122	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	10479	0.162	ng	-0.02
27) Fluoranthene-d10	19.314	212	14233	0.253	ng	-0.01
31) Terphenyl-d14	19.904	244	11816	0.246	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.292	88	166	0.026	ng	# 1
9) Naphthalene	10.735	128	729124	15.397	ng	97
12) 2-Methylnaphthalene	12.343	142	414244	12.310	ng	99
16) Acenaphthylene	14.245	152	706248	8.568	ng	98
17) Acenaphthene	14.587	154	130462	2.512	ng	92
18) Fluorene	15.568	166	615998	9.010	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.780	198	153	0.289	ng	# 1
25) Phenanthrene	17.319	178	4543218	78.911	ng	100
26) Anthracene	17.418	178	1200120	21.825	ng	# 89
28) Fluoranthene	19.346	202	3217033	44.478	ng	99
30) Pyrene	19.718	202	3864547	49.823	ng	97
32) Benzo(a)anthracene	21.462	228	1700159	21.113	ng	99
33) Chrysene	21.515	228	1508926	19.578	ng	98
34) Bis(2-ethylhexyl)phtha...	21.336	149	7104	0.115	ng	94
36) Indeno(1,2,3-cd)pyrene	26.478	276	794893	8.715	ng	97
37) Benzo(b)fluoranthene	23.168	252	1586448	22.434	ng	# 89
39) Benzo(a)pyrene	23.975	252	338493	4.812	ng	95
40) Dibenzo(a,h)anthracene	26.487	278	229692	3.102	ng	97
41) Benzo(g,h,i)perylene	27.285	276	833017	10.896	ng	95

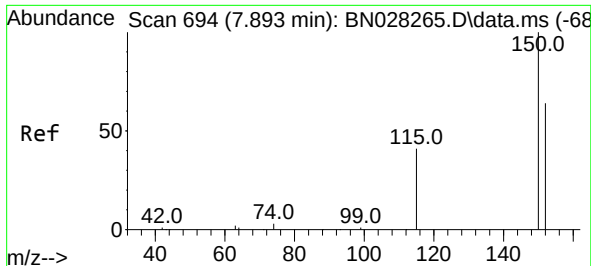
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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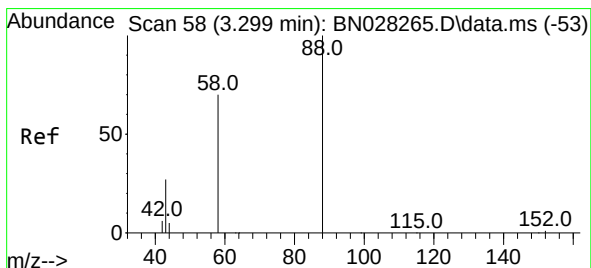
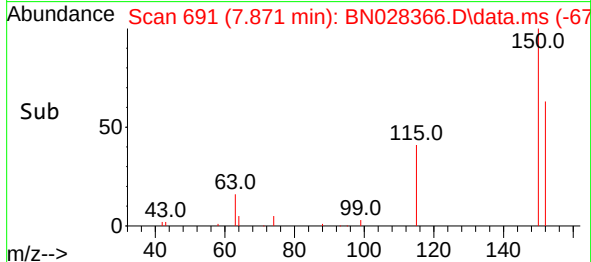
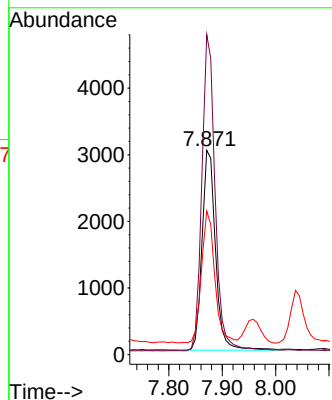
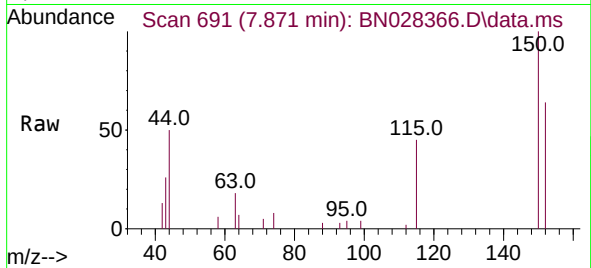




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.871 min Scan# 69
 Delta R.T. -0.007 min
 Lab File: BN028366.D
 Acq: 24 Oct 2023 04:00

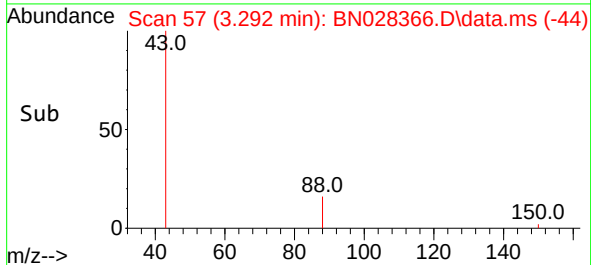
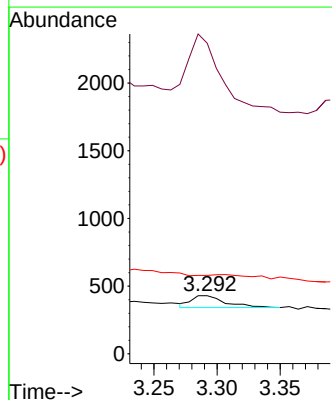
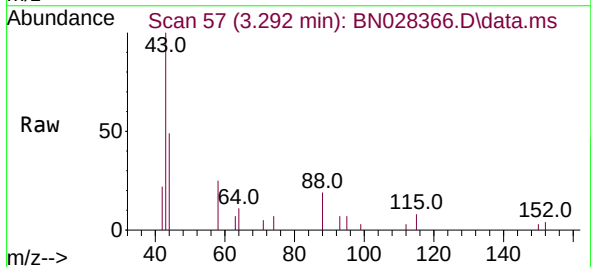
Instrument :
 BNA_N
 ClientSampleId :
 G-1-(5-10)

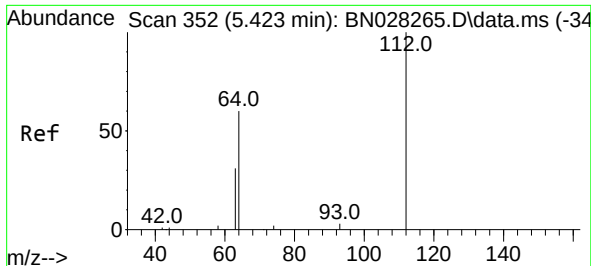
Tgt Ion:152 Resp: 5239
 Ion Ratio Lower Upper
 152 100
 150 156.6 121.6 182.4
 115 70.3 54.3 81.5



#2
 1,4-Dioxane
 Concen: 0.026 ng
 RT: 3.292 min Scan# 57
 Delta R.T. -0.007 min
 Lab File: BN028366.D
 Acq: 24 Oct 2023 04:00

Tgt Ion: 88 Resp: 166
 Ion Ratio Lower Upper
 88 100
 43 656.6 26.6 39.8#
 58 0.0 55.4 83.0#

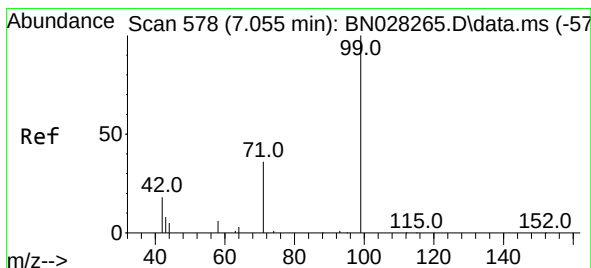
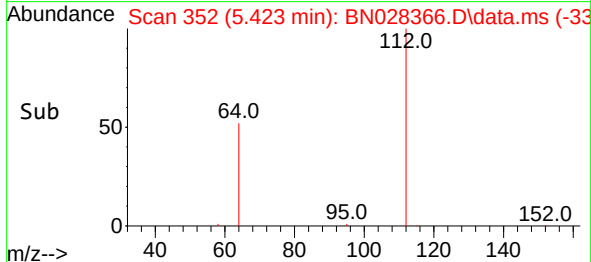
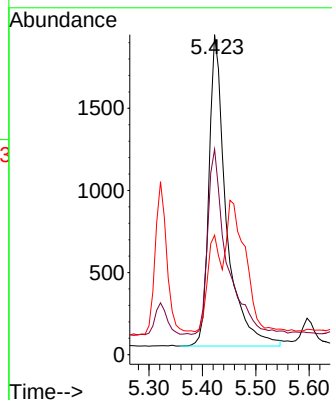
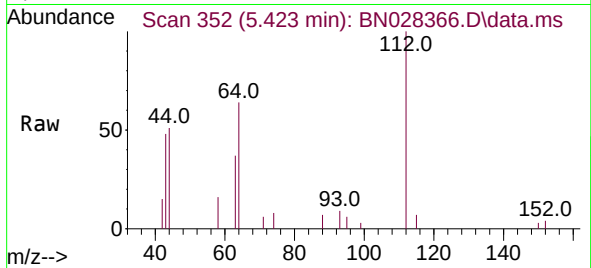




#4
2-Fluorophenol
Concen: 0.263 ng
RT: 5.423 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

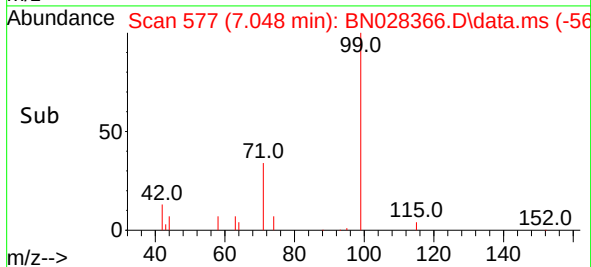
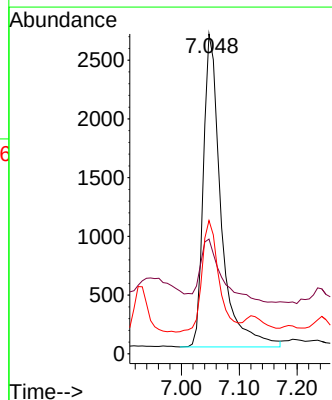
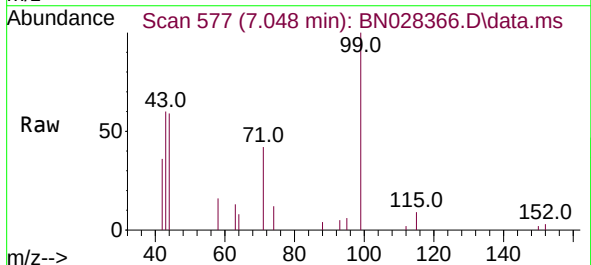
Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)

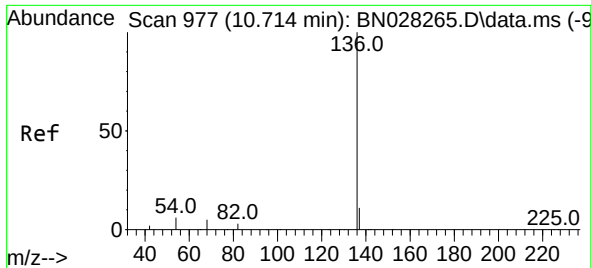
Tgt Ion:112 Resp: 4272
Ion Ratio Lower Upper
112 100
64 64.4 46.9 70.3
63 23.8 25.0 37.4#



#5
Phenol-d6
Concen: 0.282 ng
RT: 7.048 min Scan# 577
Delta R.T. -0.007 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

Tgt Ion: 99 Resp: 5652
Ion Ratio Lower Upper
99 100
42 23.8 15.9 23.9
71 34.2 28.6 42.8

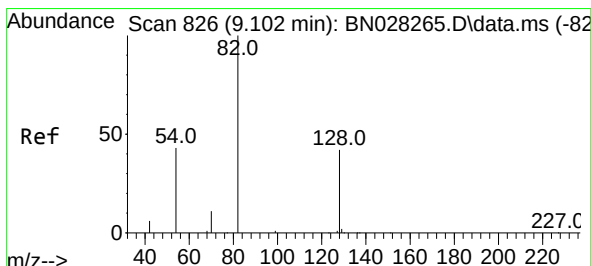
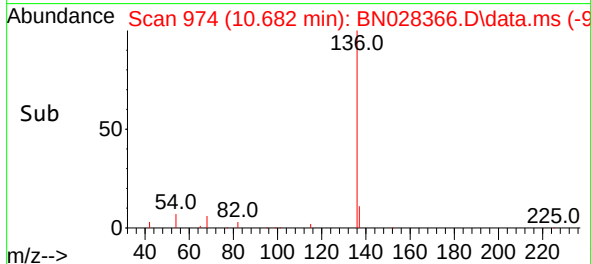
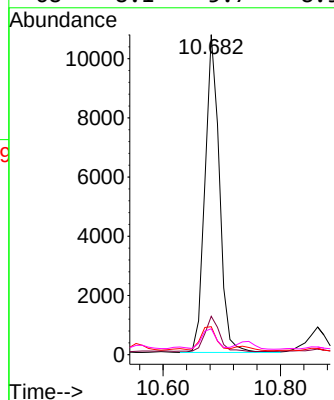
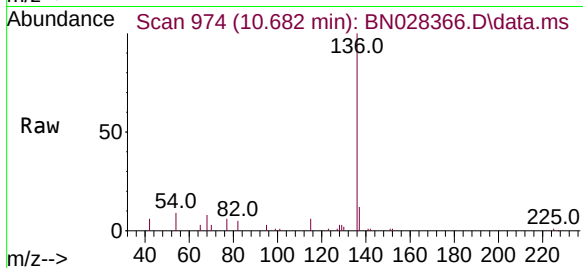




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

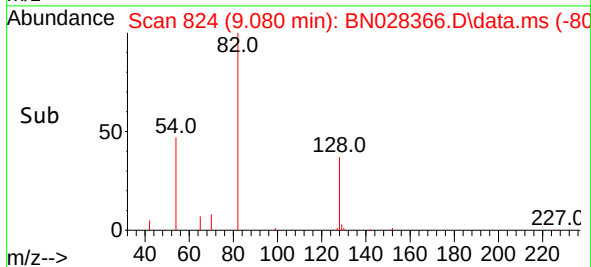
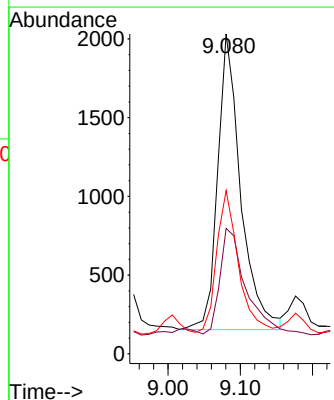
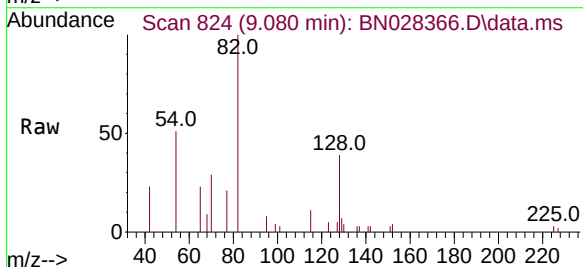
Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)

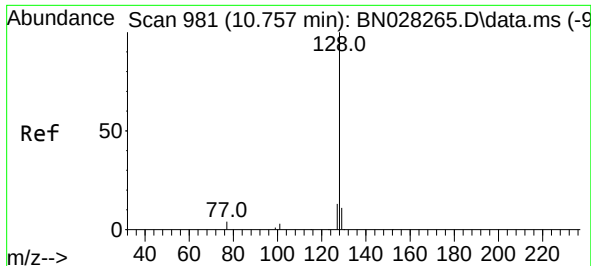
Tgt Ion:136	Resp:	18257
Ion Ratio	Lower	Upper
136	100	
137	12.0	9.8 14.8
54	8.7	6.2 9.4
68	8.1	5.7 8.5



#8
Nitrobenzene-d5
Concen: 0.257 ng
RT: 9.080 min Scan# 824
Delta R.T. -0.021 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

Tgt Ion: 82	Resp:	4161
Ion Ratio	Lower	Upper
82	100	
128	39.2	36.8 55.2
54	51.0	37.4 56.2

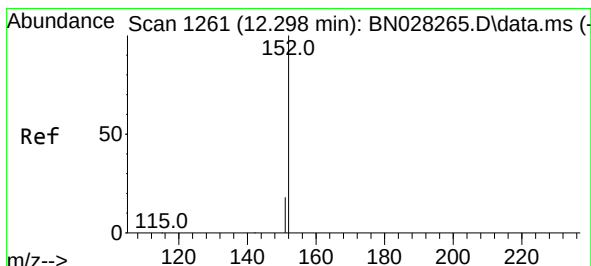
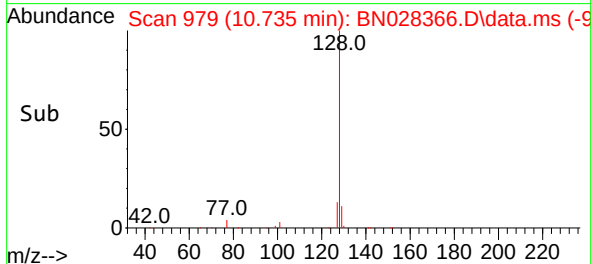
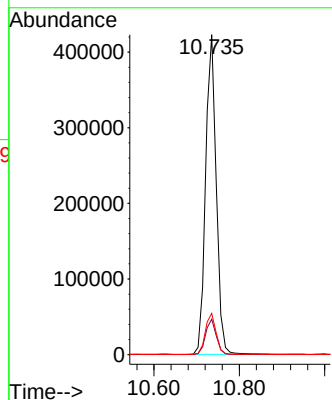
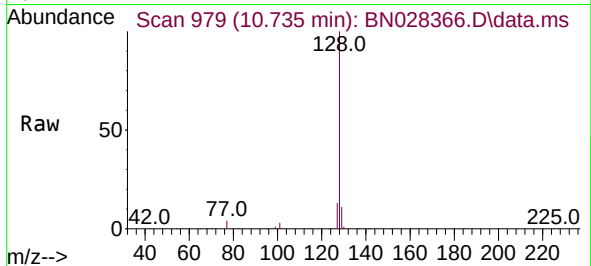




#9
Naphthalene
Concen: 15.397 ng
RT: 10.735 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

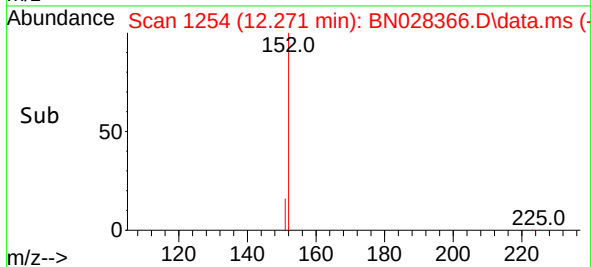
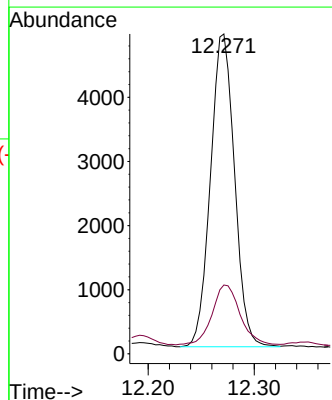
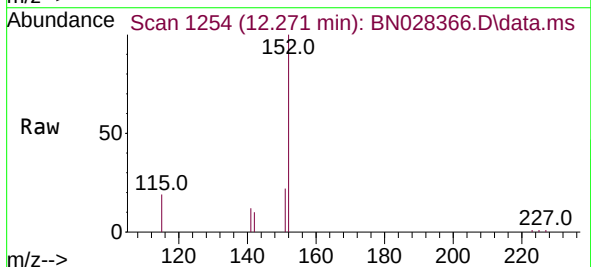
Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)

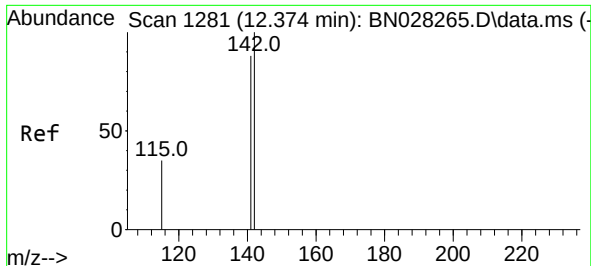
Tgt Ion:128 Resp: 729124
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.6
127 12.9 11.4 17.0



#11
2-Methylnaphthalene-d10
Concen: 0.279 ng
RT: 12.271 min Scan# 1254
Delta R.T. -0.023 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

Tgt Ion:152 Resp: 7649
Ion Ratio Lower Upper
152 100
151 22.4 16.1 24.1

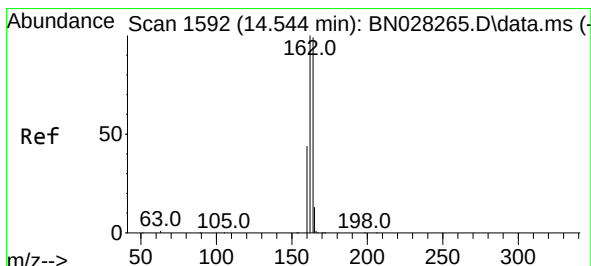
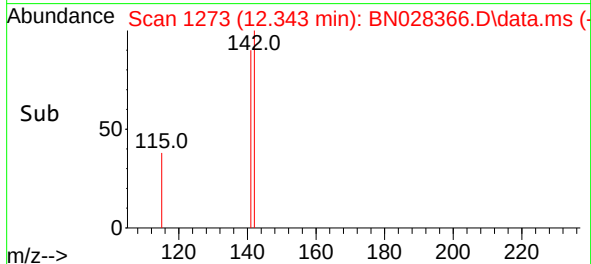
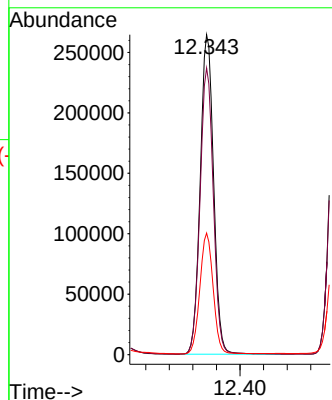
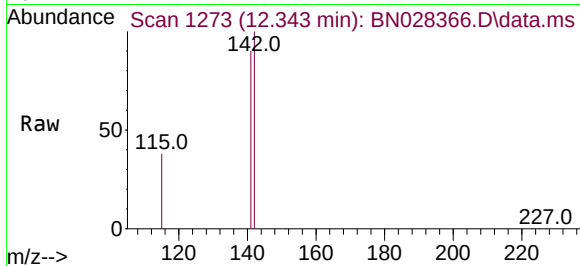




#12
2-Methylnaphthalene
Concen: 12.310 ng
RT: 12.343 min Scan# 11
Delta R.T. -0.026 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

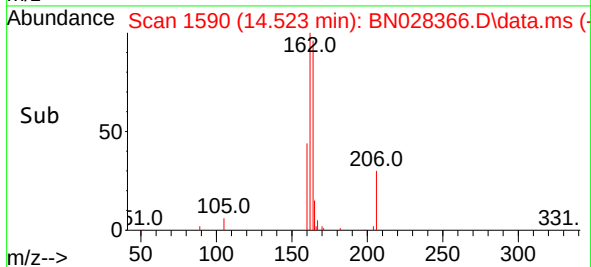
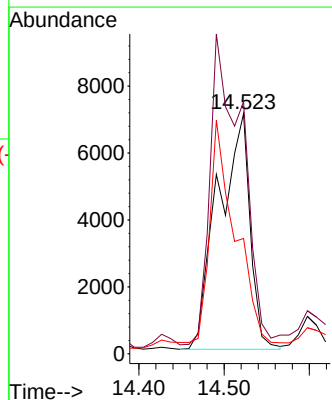
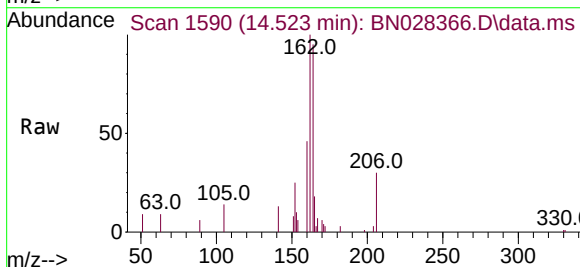
Instrument :
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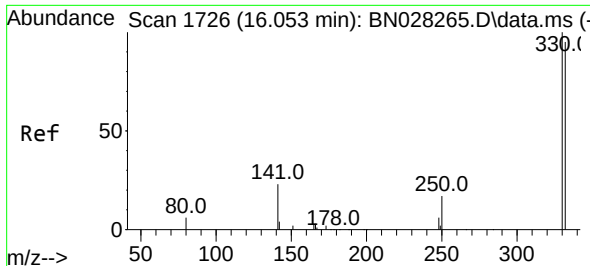
Tgt Ion:142 Resp: 414244
Ion Ratio Lower Upper
142 100
141 89.6 71.1 106.7
115 38.0 29.9 44.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 1590
Delta R.T. -0.011 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

Tgt Ion:164 Resp: 18344
Ion Ratio Lower Upper
164 100
162 105.0 81.1 121.7
160 48.1 36.6 54.8

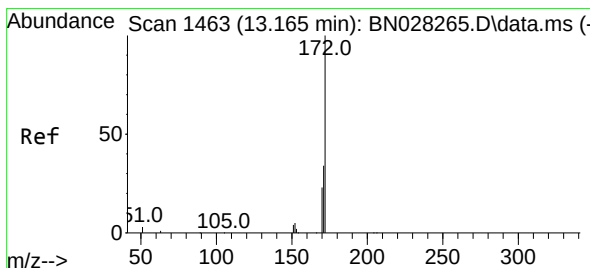
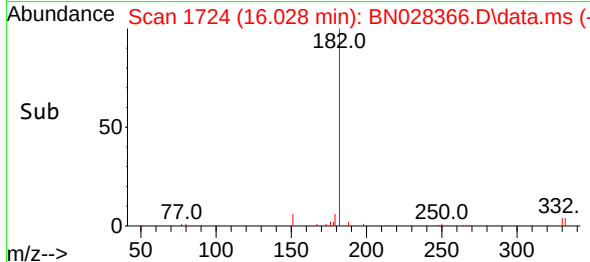
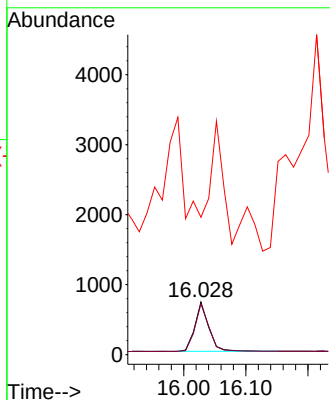
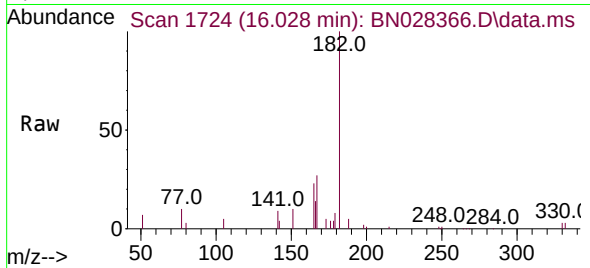




#14
2,4,6-Tribromophenol
Concen: 0.122 ng
RT: 16.028 min Scan# 1726
Delta R.T. -0.037 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

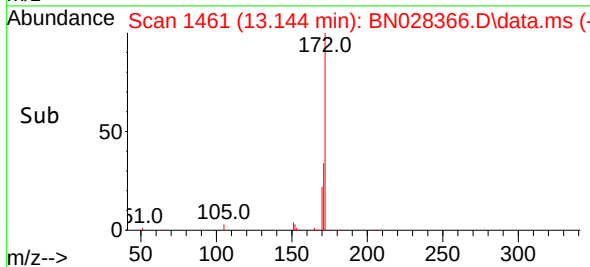
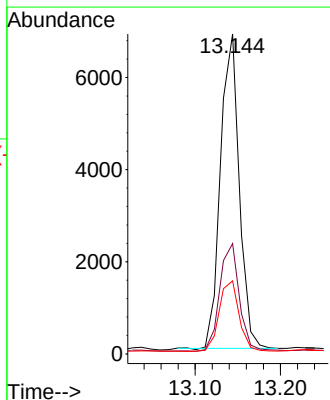
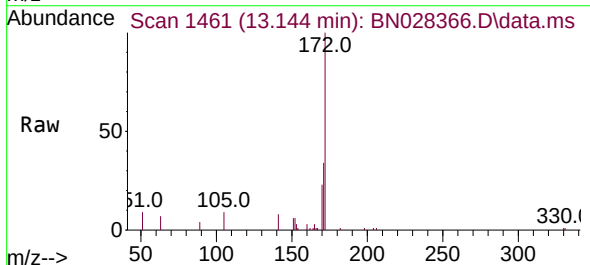
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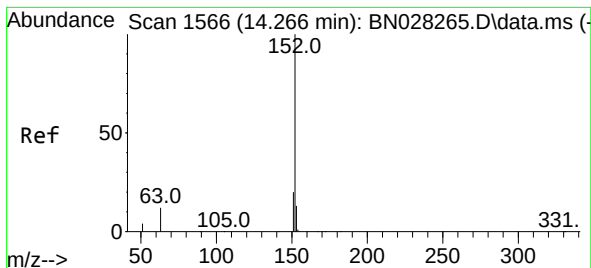
Tgt Ion:330 Resp: 1091
Ion Ratio Lower Upper
330 100
332 97.8 74.1 111.1
141 0.0 32.1 48.1#



#15
2-Fluorobiphenyl
Concen: 0.162 ng
RT: 13.144 min Scan# 1461
Delta R.T. -0.021 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

Tgt Ion:172 Resp: 10479
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 22.8 18.7 28.1





#16

Acenaphthylene

Concen: 8.568 ng

RT: 14.245 min Scan# 1564

Delta R.T. -0.011 min

Lab File: BN028366.D

Acq: 24 Oct 2023 04:00

Instrument :

BNA_N

ClientSampleId :

G-1-(5-10)

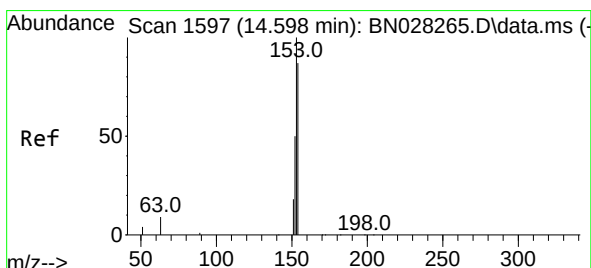
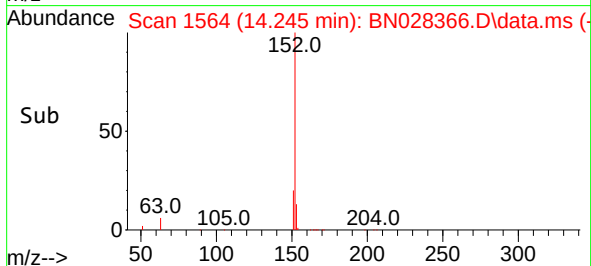
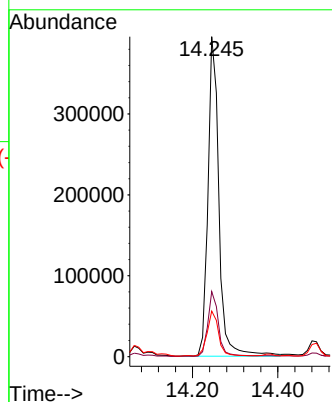
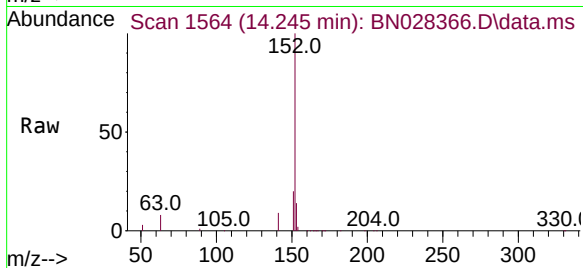
Tgt Ion:152 Resp: 706248

Ion Ratio Lower Upper

152 100

151 20.0 15.6 23.4

153 14.7 10.6 16.0



#17

Acenaphthene

Concen: 2.512 ng

RT: 14.587 min Scan# 1596

Delta R.T. -0.011 min

Lab File: BN028366.D

Acq: 24 Oct 2023 04:00

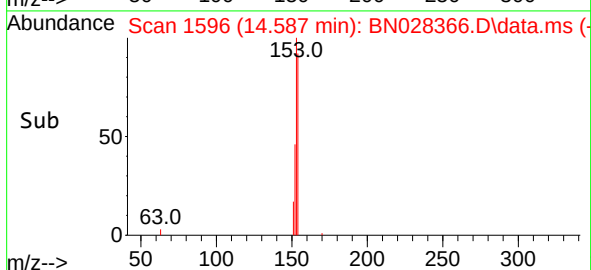
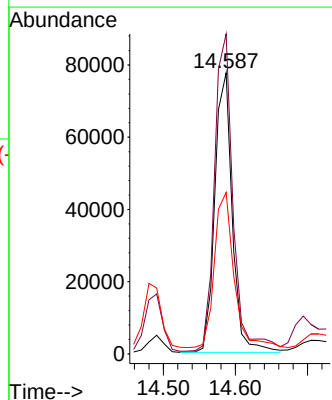
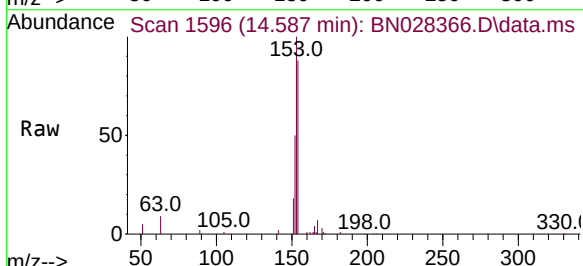
Tgt Ion:154 Resp: 130462

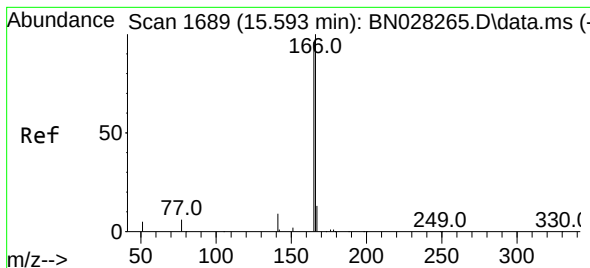
Ion Ratio Lower Upper

154 100

153 120.5 90.7 136.1

152 61.8 43.6 65.4





#18

Fluorene

Concen: 9.010 ng

RT: 15.568 min Scan# 1687

Delta R.T. -0.012 min

Lab File: BN028366.D

Acq: 24 Oct 2023 04:00

Instrument :

BNA_N

ClientSampleId :

G-1-(5-10)

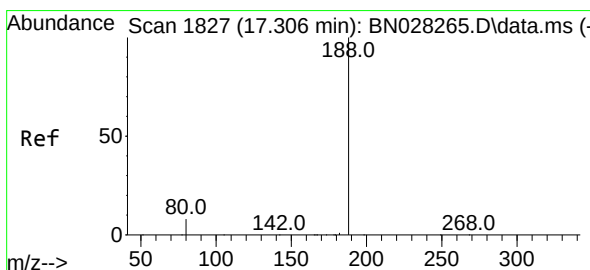
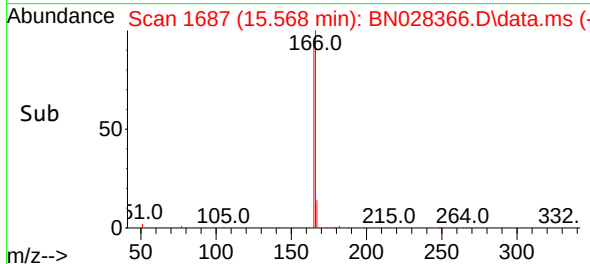
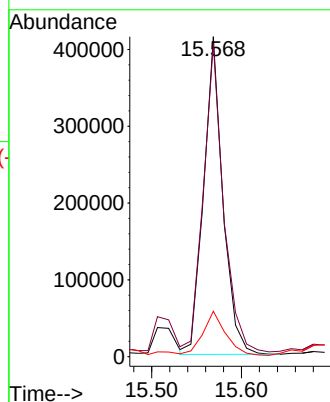
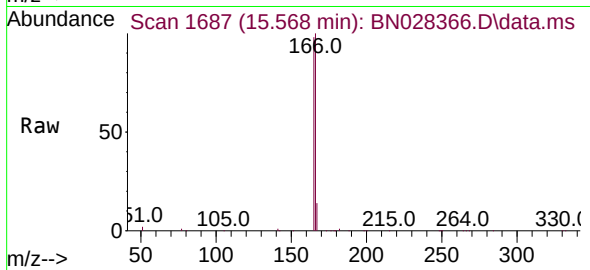
Tgt Ion:166 Resp: 615998

Ion Ratio Lower Upper

166 100

165 100.8 79.3 118.9

167 16.5 10.9 16.3#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.281 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BN028366.D

Acq: 24 Oct 2023 04:00

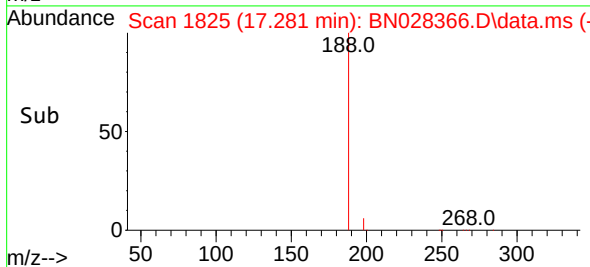
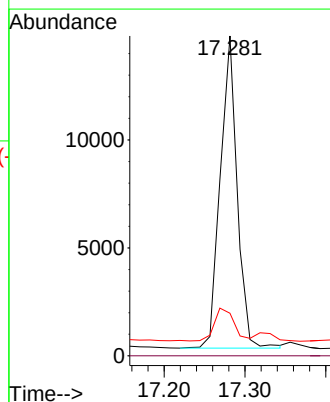
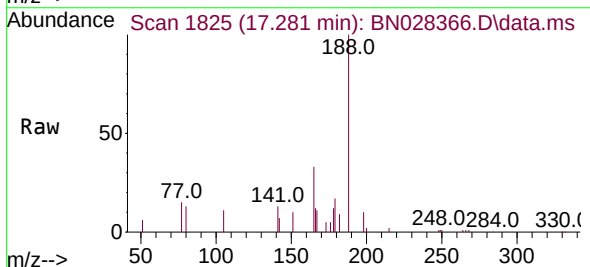
Tgt Ion:188 Resp: 21033

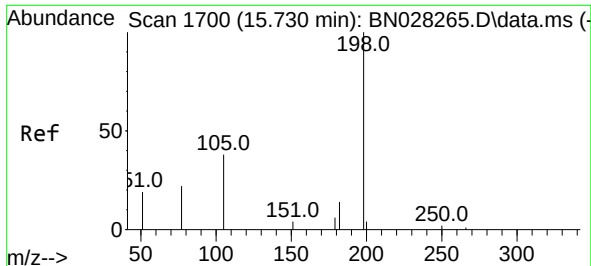
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.3 7.1 10.7#

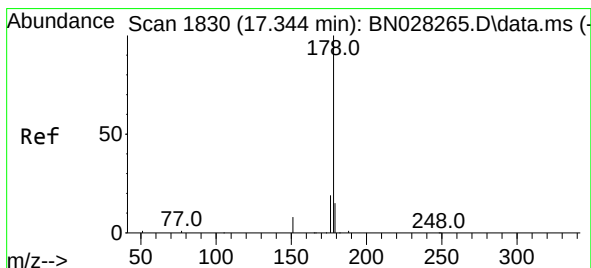
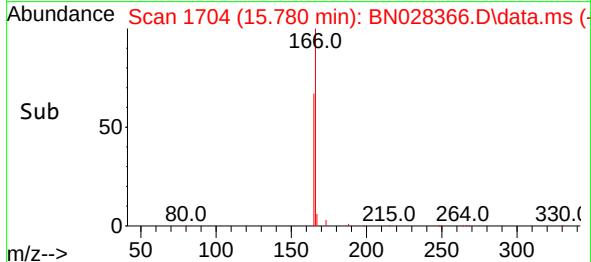
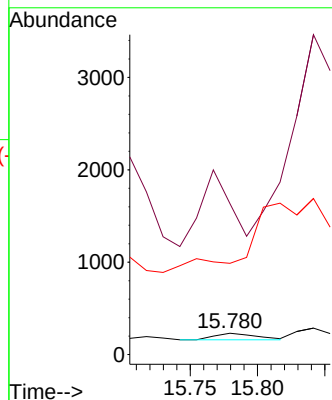
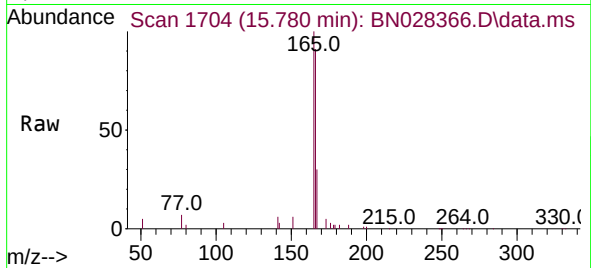




#20
4,6-Dinitro-2-methylphenol
Concen: 0.289 ng
RT: 15.780 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

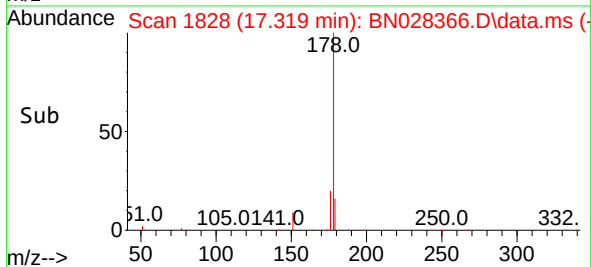
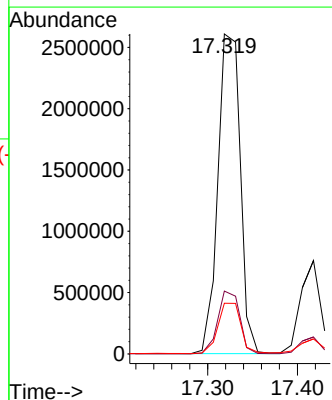
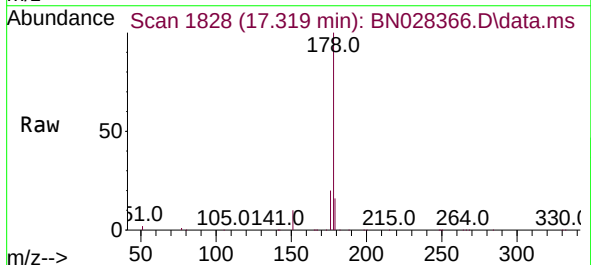
Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)

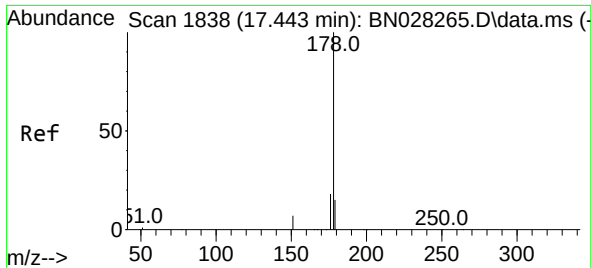
Tgt Ion:198 Resp: 153
Ion Ratio Lower Upper
198 100
51 707.8 96.1 144.1#
105 427.7 75.4 113.0#



#25
Phenanthrene
Concen: 78.911 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

Tgt Ion:178 Resp: 4543218
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.0 12.5 18.7

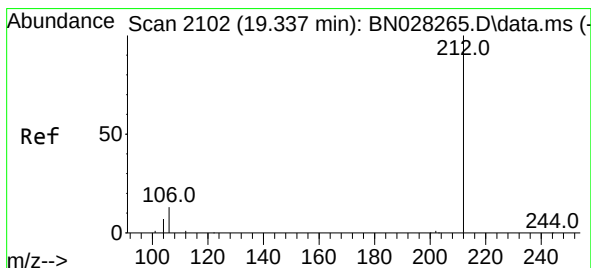
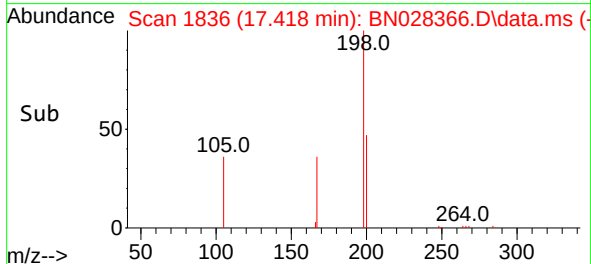
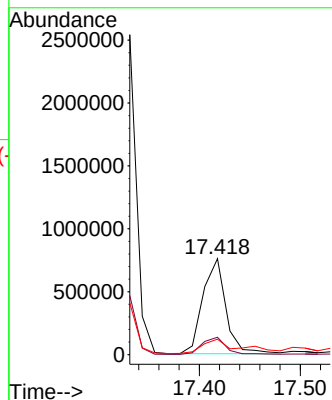
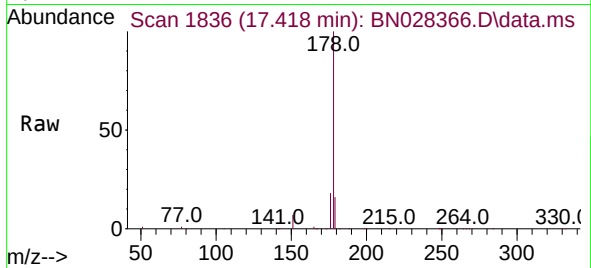




#26
 Anthracene
 Concen: 21.825 ng
 RT: 17.418 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BN028366.D
 Acq: 24 Oct 2023 04:00

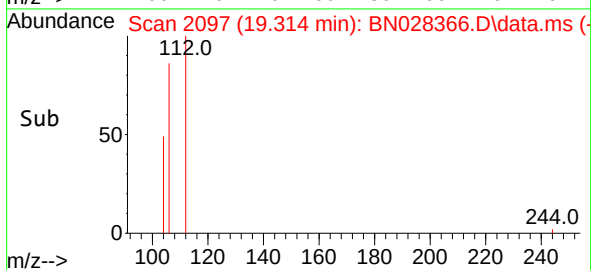
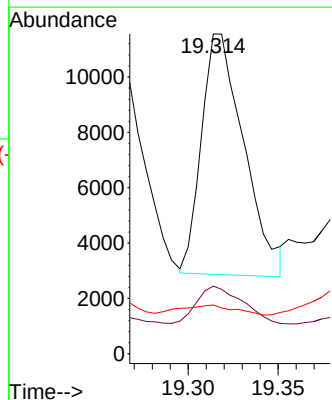
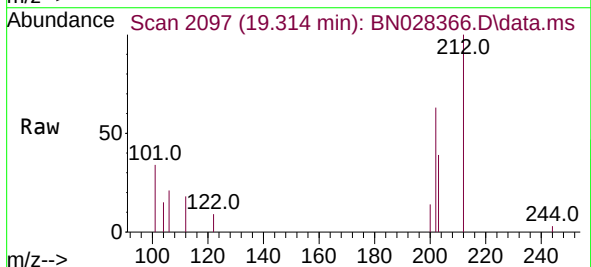
Instrument :
 BNA_N
 ClientSampleId :
 G-1-(5-10)

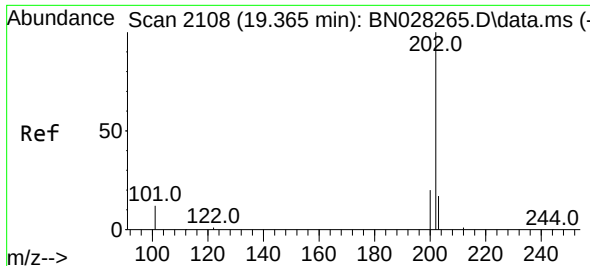
Tgt Ion:178 Resp: 1200120
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.6 22.0
 179 25.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.253 ng
 RT: 19.314 min Scan# 2097
 Delta R.T. -0.014 min
 Lab File: BN028366.D
 Acq: 24 Oct 2023 04:00

Tgt Ion:212 Resp: 14233
 Ion Ratio Lower Upper
 212 100
 106 17.1 11.5 17.3
 104 5.7 6.7 10.1#

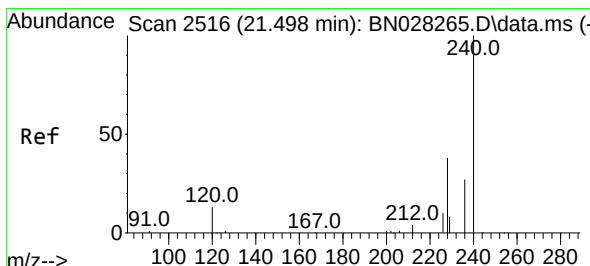
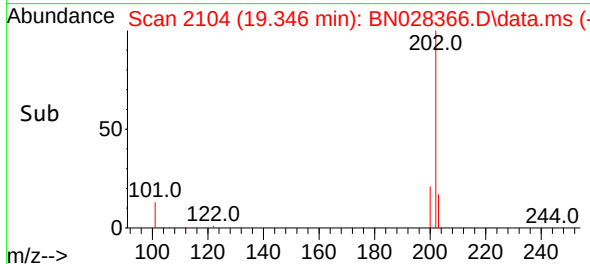
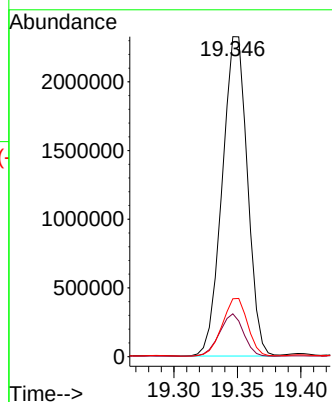
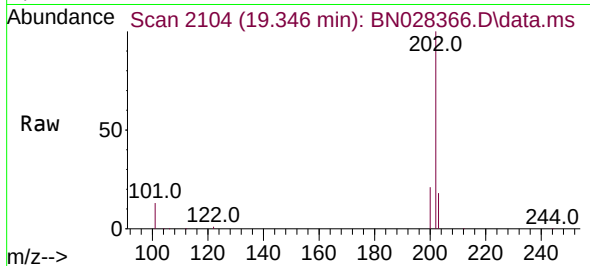




#28
Fluoranthene
Concen: 44.478 ng
RT: 19.346 min Scan# 2104
Delta R.T. -0.009 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

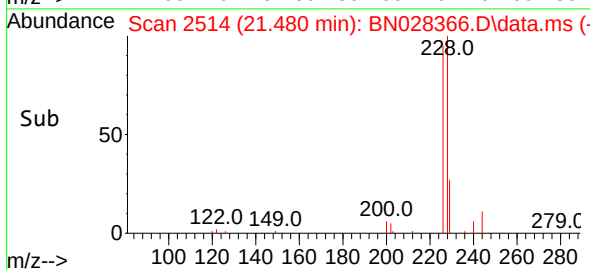
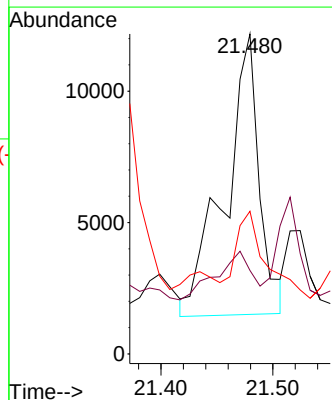
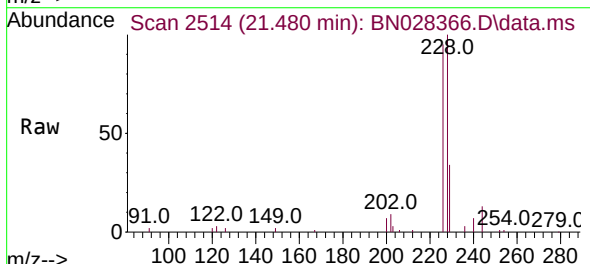
Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)

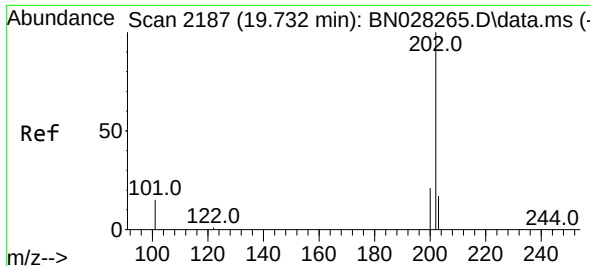
Tgt Ion:202 Resp: 3217033
Ion Ratio Lower Upper
202 100
101 12.6 10.1 15.1
203 18.0 13.9 20.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.480 min Scan# 2514
Delta R.T. -0.009 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

Tgt Ion:240 Resp: 22668
Ion Ratio Lower Upper
240 100
120 26.1 13.4 20.0#
236 44.6 22.7 34.1#

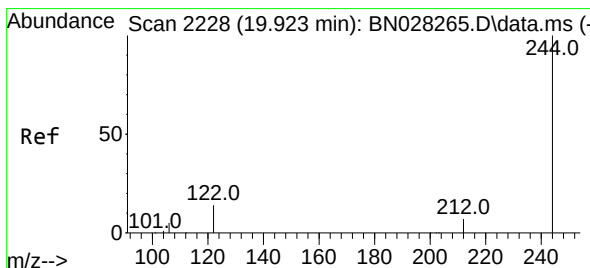
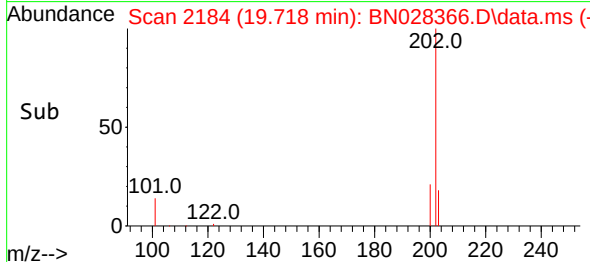
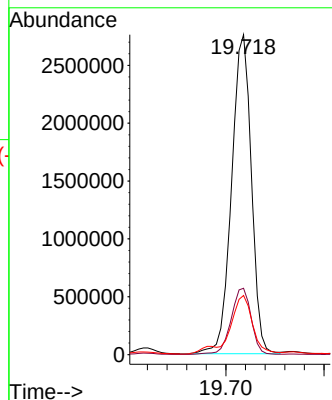
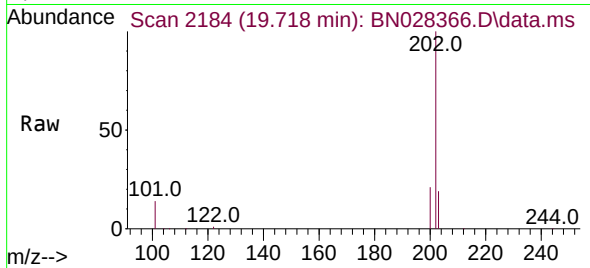




#30
Pyrene
Concen: 49.823 ng
RT: 19.718 min Scan# 2184
Delta R.T. -0.009 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

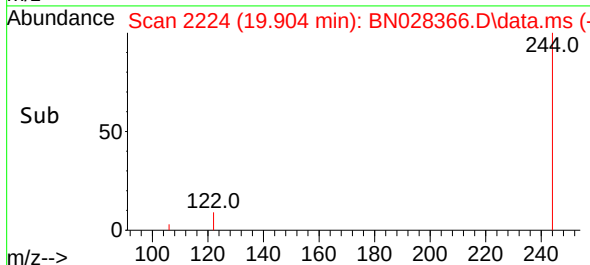
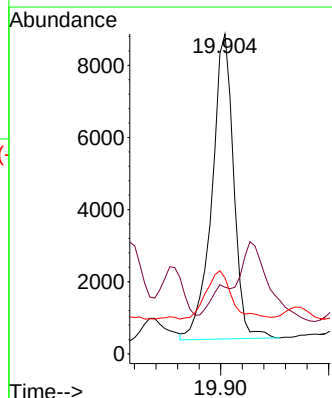
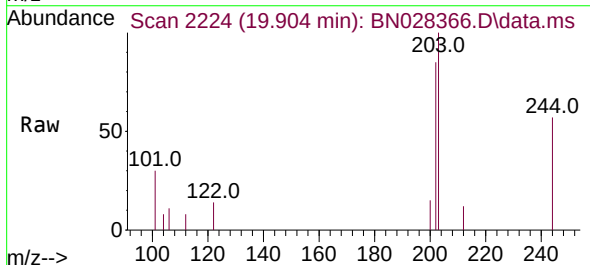
Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)

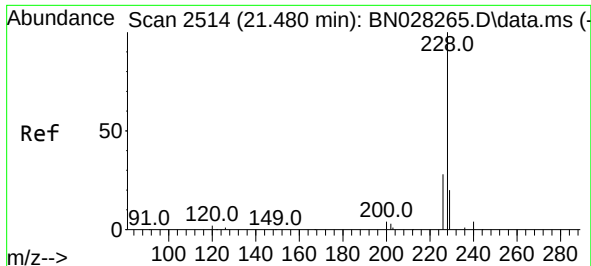
Tgt Ion:202 Resp: 3864547
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 21.1 14.5 21.7



#31
Terphenyl-d14
Concen: 0.246 ng
RT: 19.904 min Scan# 2224
Delta R.T. -0.014 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

Tgt Ion:244 Resp: 11816
Ion Ratio Lower Upper
244 100
212 20.8 6.6 10.0#
122 23.8 11.7 17.5#

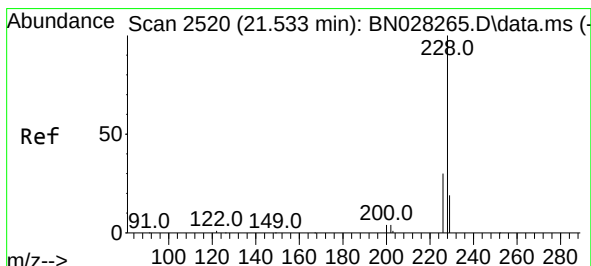
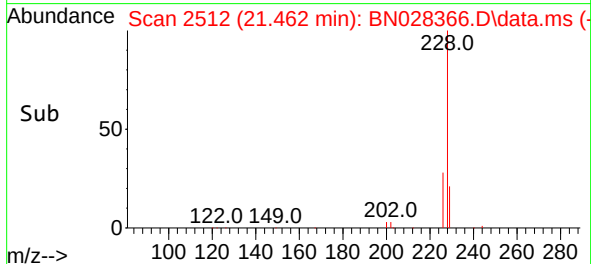
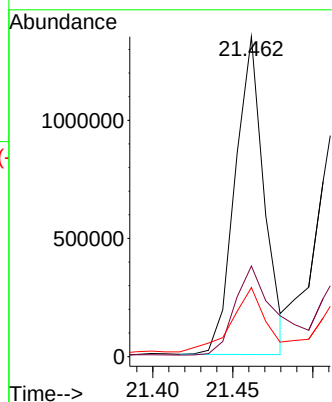
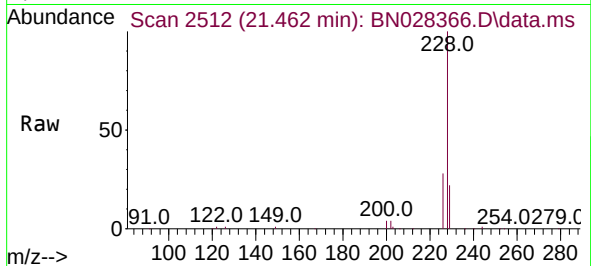




#32
Benzo(a)anthracene
Concen: 21.113 ng
RT: 21.462 min Scan# 2118
Delta R.T. -0.009 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

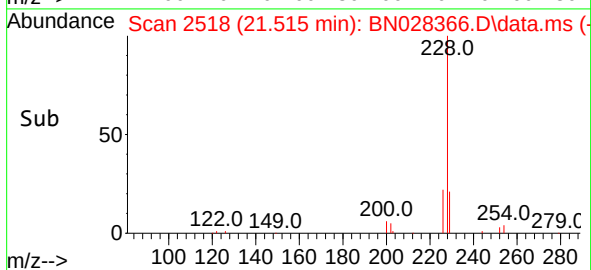
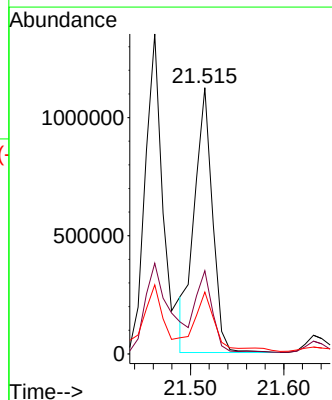
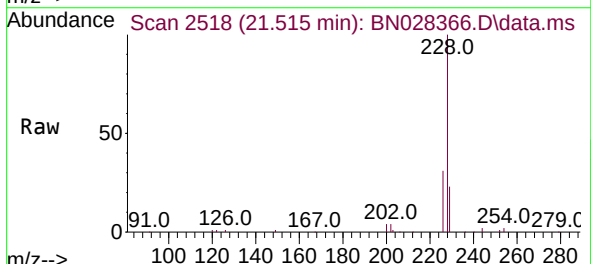
Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)

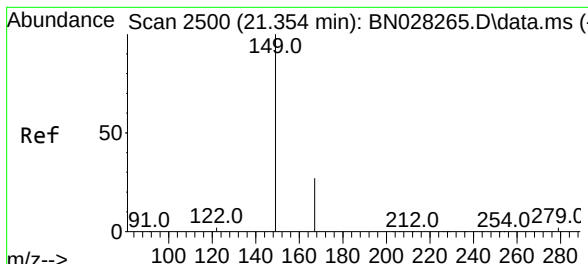
Tgt Ion:228 Resp: 1700159
Ion Ratio Lower Upper
228 100
226 28.3 22.9 34.3
229 21.6 16.6 24.8



#33
Chrysene
Concen: 19.578 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.009 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

Tgt Ion:228 Resp: 1508926
Ion Ratio Lower Upper
228 100
226 31.3 25.2 37.8
229 23.2 16.6 25.0

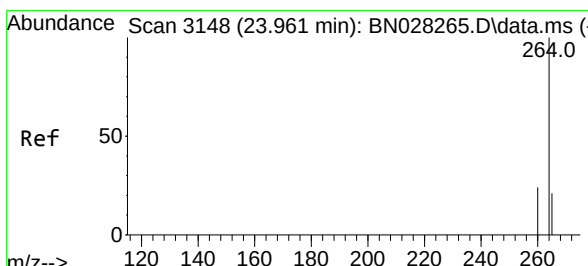
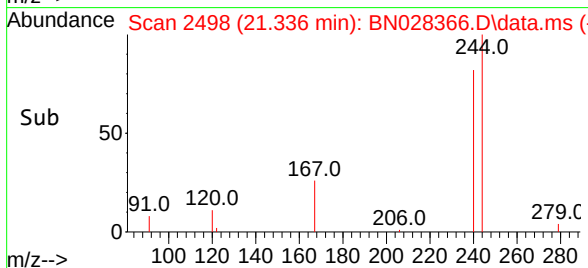
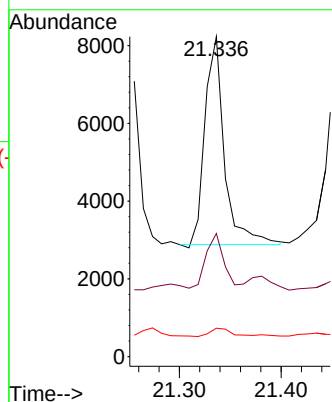
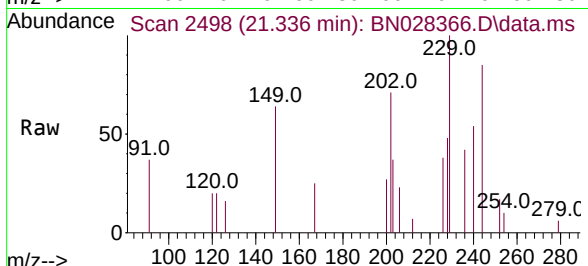




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.115 ng
 RT: 21.336 min Scan# 24
 Delta R.T. -0.009 min
 Lab File: BN028366.D
 Acq: 24 Oct 2023 04:00

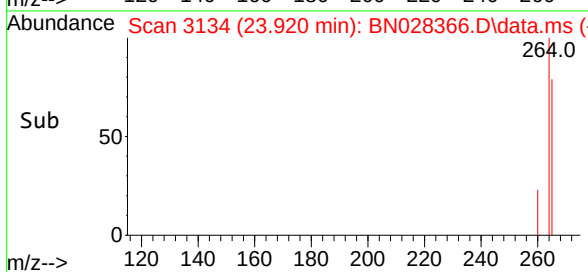
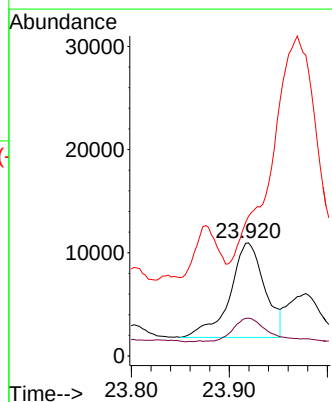
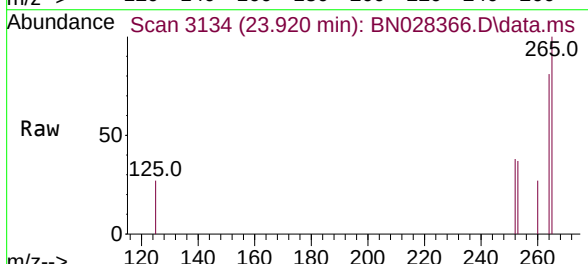
Instrument :
 BNA_N
 ClientSampleId :
 G-1-(5-10)

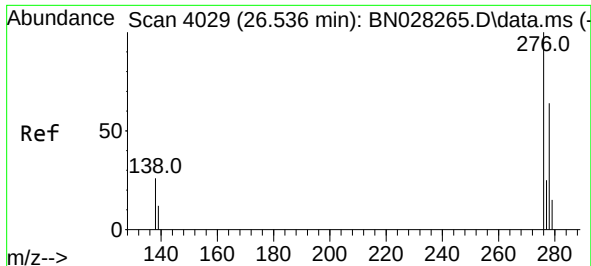
Tgt Ion:149 Resp: 7104
 Ion Ratio Lower Upper
 149 100
 167 24.5 22.6 34.0
 279 5.1 4.2 6.2



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.920 min Scan# 3134
 Delta R.T. -0.017 min
 Lab File: BN028366.D
 Acq: 24 Oct 2023 04:00

Tgt Ion:264 Resp: 22624
 Ion Ratio Lower Upper
 264 100
 260 33.3 20.7 31.1#
 265 123.4 38.3 57.5#

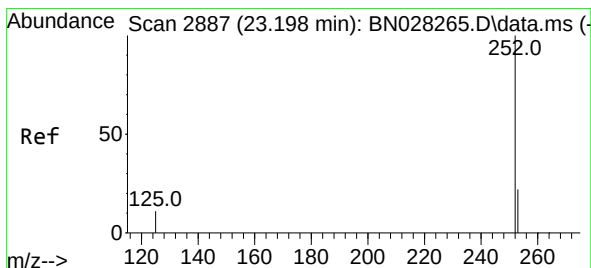
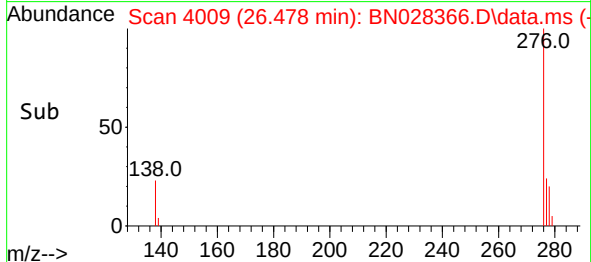
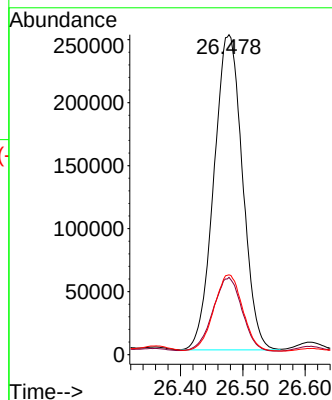
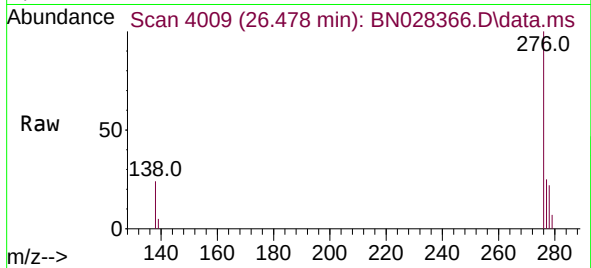




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 8.715 ng
 RT: 26.478 min Scan# 4029
 Delta R.T. -0.026 min
 Lab File: BN028366.D
 Acq: 24 Oct 2023 04:00

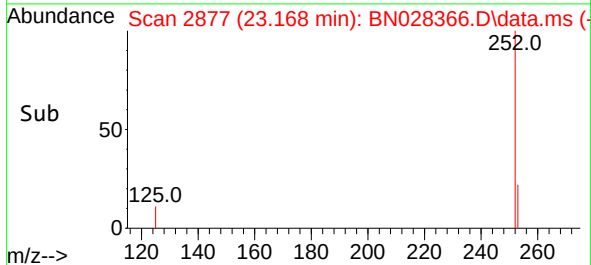
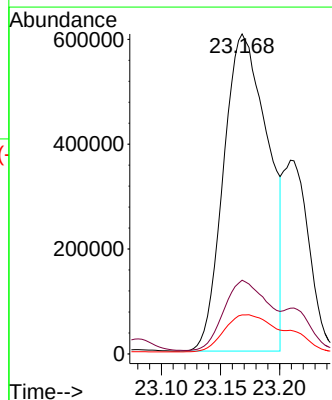
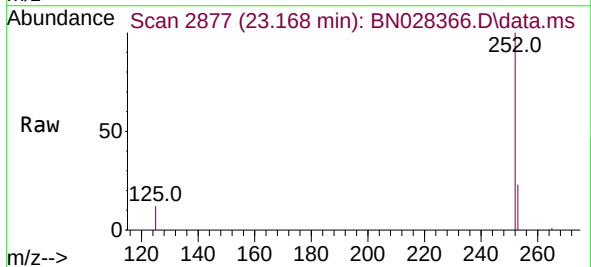
Instrument :
 BNA_N
 ClientSampleId :
 G-1-(5-10)

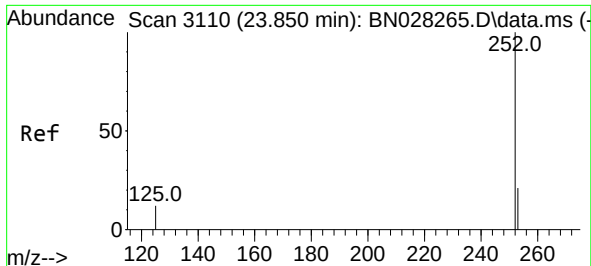
Tgt Ion:276 Resp: 794893
 Ion Ratio Lower Upper
 276 100
 138 23.8 21.3 31.9
 277 24.4 20.0 30.0



#37
 Benzo(b)fluoranthene
 Concen: 22.434 ng
 RT: 23.168 min Scan# 2877
 Delta R.T. -0.009 min
 Lab File: BN028366.D
 Acq: 24 Oct 2023 04:00

Tgt Ion:252 Resp: 1586448
 Ion Ratio Lower Upper
 252 100
 253 23.0 21.8 32.8
 125 12.2 15.6 23.4#

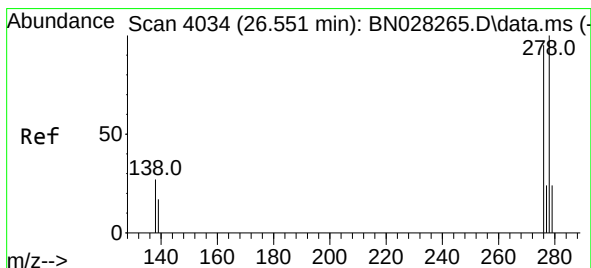
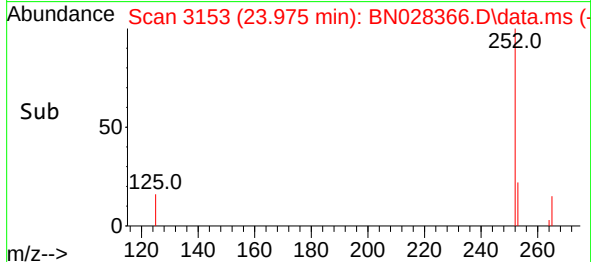
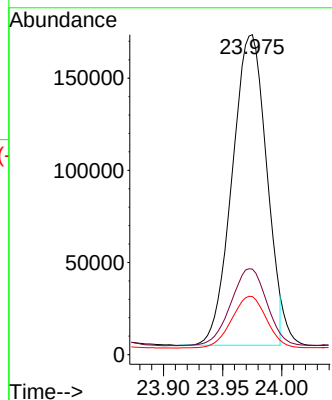
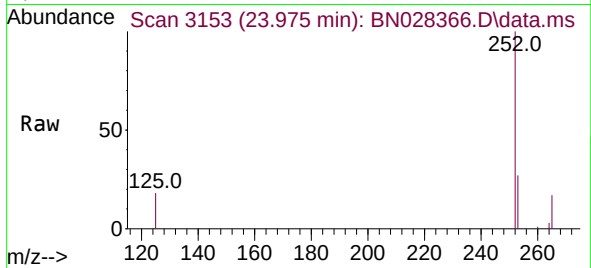




#39
Benzo(a)pyrene
Concen: 4.812 ng
RT: 23.975 min Scan# 3110
Delta R.T. 0.146 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

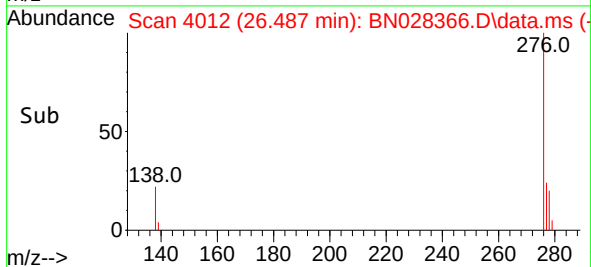
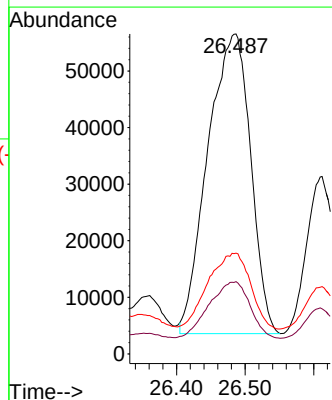
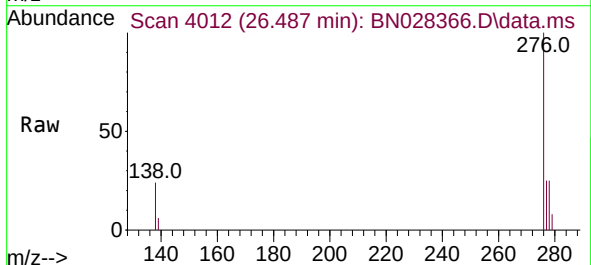
Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)

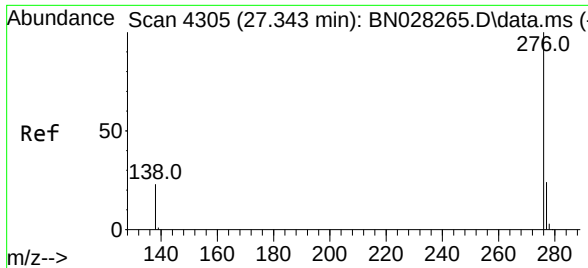
Tgt Ion:252 Resp: 338493
Ion Ratio Lower Upper
252 100
253 26.8 22.7 34.1
125 18.1 17.0 25.6



#40
Dibenzo(a,h)anthracene
Concen: 3.102 ng
RT: 26.487 min Scan# 4012
Delta R.T. -0.032 min
Lab File: BN028366.D
Acq: 24 Oct 2023 04:00

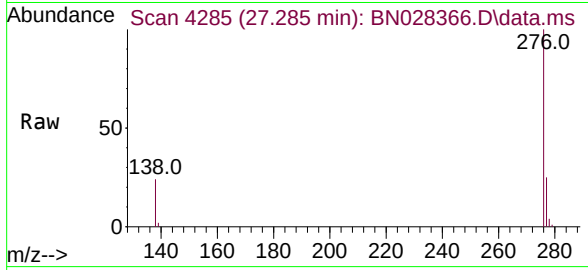
Tgt Ion:278 Resp: 229692
Ion Ratio Lower Upper
278 100
139 22.6 18.8 28.2
279 31.5 23.5 35.3





#41
 Benzo(g,h,i)perylene
 Concen: 10.896 ng
 RT: 27.285 min Scan# 41
 Delta R.T. -0.020 min
 Lab File: BN028366.D
 Acq: 24 Oct 2023 04:00

Instrument :
 BNA_N
 ClientSampleId :
 G-1-(5-10)



Tgt Ion: 276 Resp: 833017

Ion	Ratio	Lower	Upper
276	100		
277	24.6	21.7	32.5
138	24.3	21.7	32.5

