

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060496.D
 Acq On : 30 Jan 2024 23:24
 Operator : MA/JU
 Sample : P1283-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-012924

Quant Time: Jan 31 01:26:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

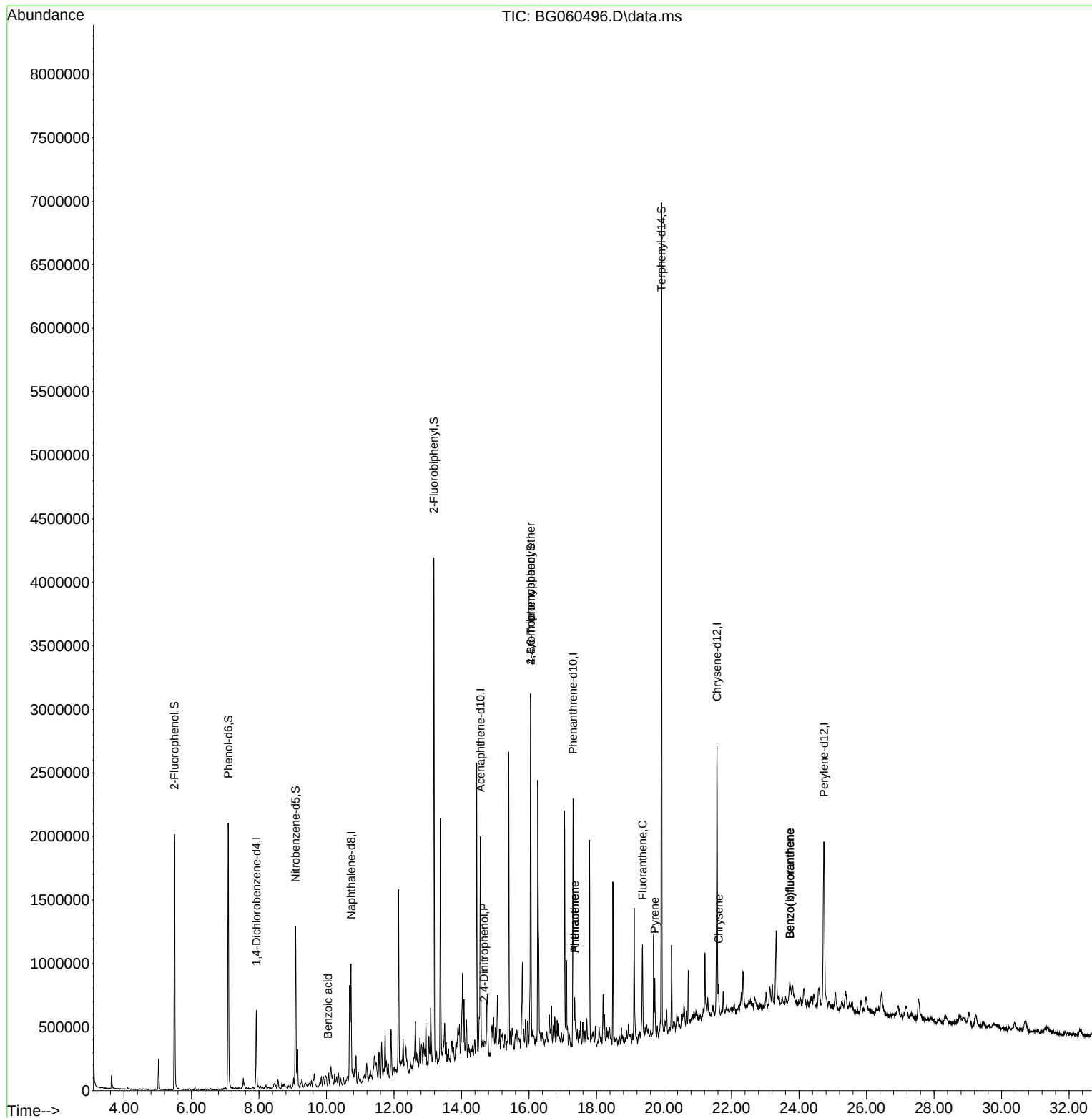
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	196071	20.000	ng	0.00
21) Naphthalene-d8	10.725	136	801102	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	571282	20.000	ng	0.00
64) Phenanthrene-d10	17.306	188	1305031	20.000	ng	0.00
76) Chrysene-d12	21.571	240	1245639	20.000	ng	0.00
86) Perylene-d12	24.738	264	1404131	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	955393	80.145	ng	0.00
7) Phenol-d6	7.088	99	1443172	81.757	ng	0.00
23) Nitrobenzene-d5	9.086	82	877480	51.722	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	662057	78.767	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	2265759	55.141	ng	0.00
79) Terphenyl-d14	19.926	244	3340626	60.700	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.044	122	150	10.216	ng	# 81
54) 2,4-Dinitrophenol	14.668	184	166	8.613	ng	# 1
67) 4-Bromophenyl-phenylether	16.054	248	42418	2.958	ng	# 1
71) Phenanthrene	17.353	178	181993	2.885	ng	95
72) Anthracene	17.353	178	181993	2.890	ng	95
75) Fluoranthene	19.362	202	299466	3.953	ng	91
78) Pyrene	19.726	202	307943	3.871	ng	# 85
83) Chrysene	21.618	228	151973	2.004	ng	93
88) Benzo(b)fluoranthene	23.733	252	194848	2.349	ng	# 89
89) Benzo(k)fluoranthene	23.733	252	194848	2.380	ng	# 88

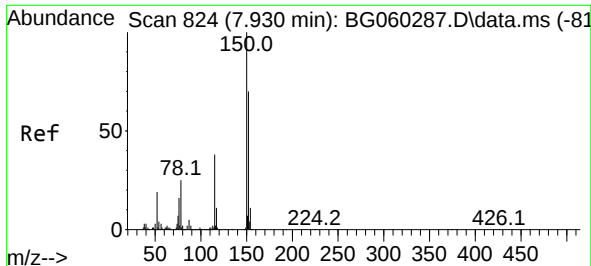
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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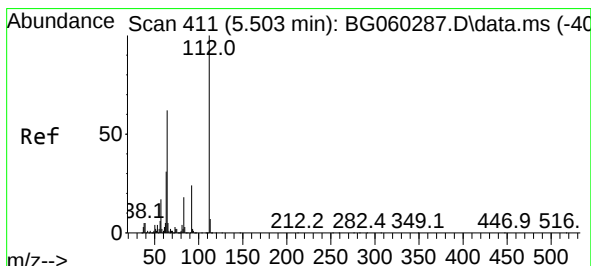
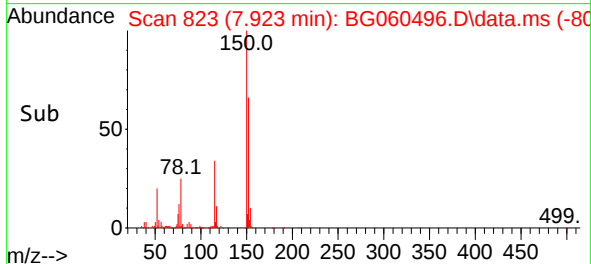
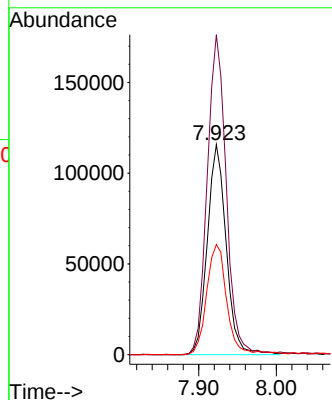
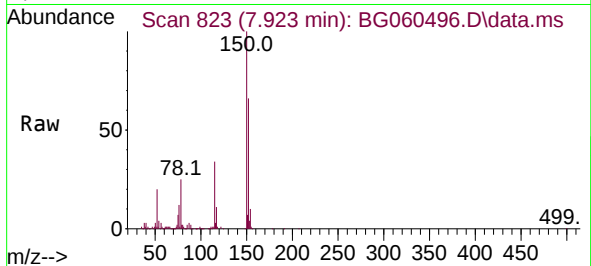




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

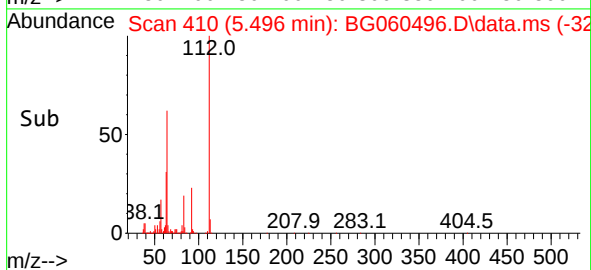
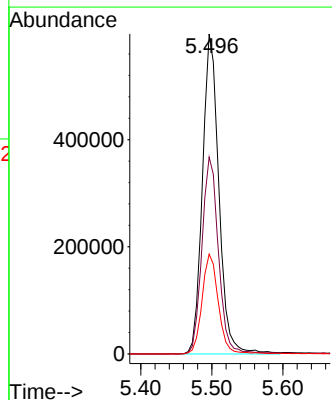
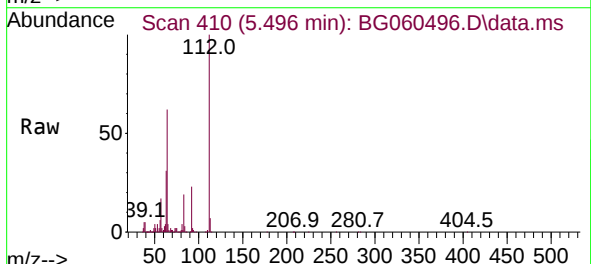
Instrument :
BNA_G
ClientSampleId :
OR-02-012924

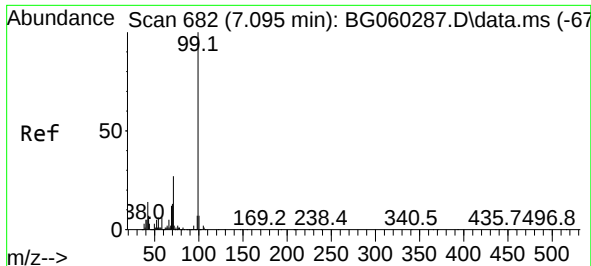
Tgt Ion:152 Resp: 196071
Ion Ratio Lower Upper
152 100
150 152.4 114.5 171.7
115 52.4 43.0 64.6



#5
2-Fluorophenol
Concen: 80.145 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.007 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

Tgt Ion:112 Resp: 955393
Ion Ratio Lower Upper
112 100
64 61.5 49.8 74.6
63 31.2 24.4 36.6

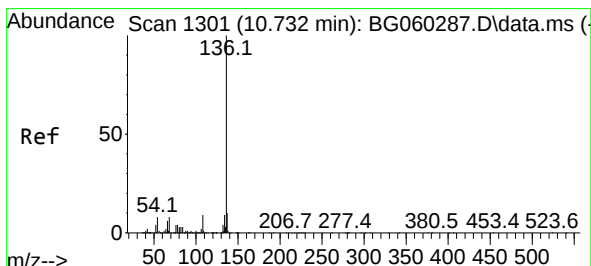
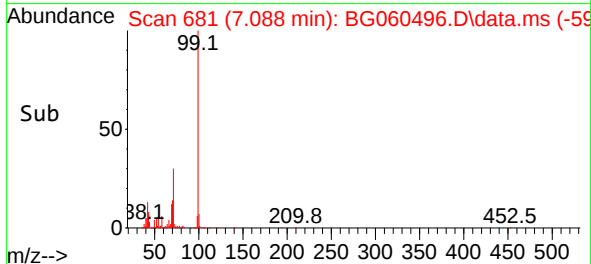
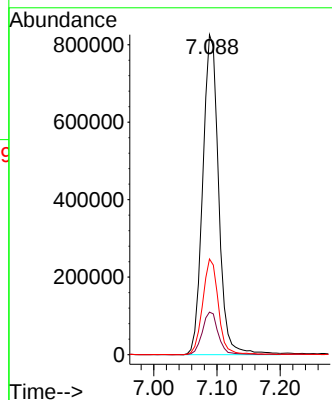
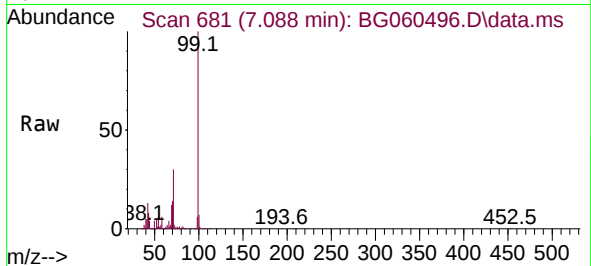




#7
Phenol-d6
Concen: 81.757 ng
RT: 7.088 min Scan# 681
Delta R.T. -0.007 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

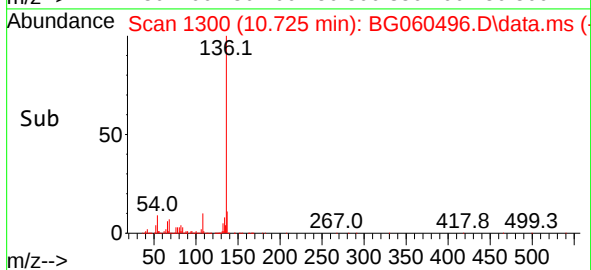
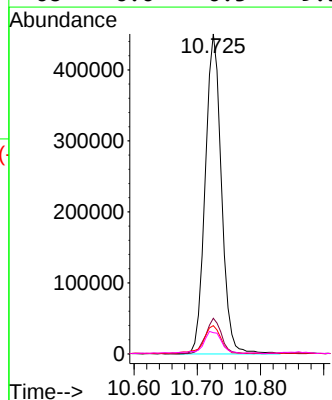
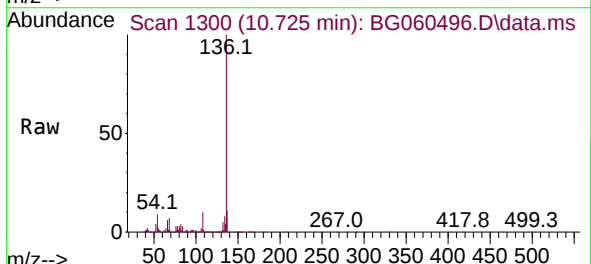
Instrument :
BNA_G
ClientSampleId :
OR-02-012924

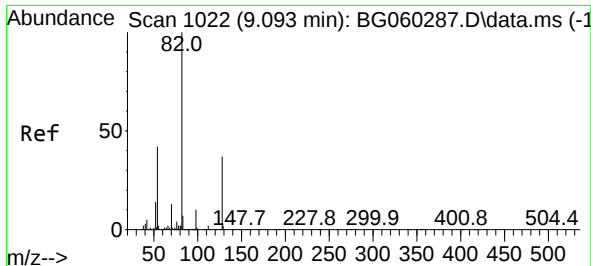
Tgt Ion: 99 Resp: 1443172
Ion Ratio Lower Upper
99 100
42 13.3 10.9 16.3
71 29.9 21.5 32.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1300
Delta R.T. -0.007 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

Tgt Ion: 136 Resp: 801102
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 8.8 6.2 9.2
68 6.6 6.3 9.5

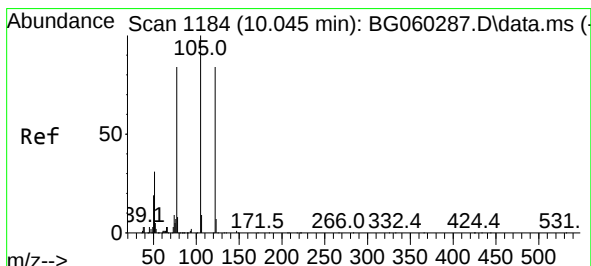
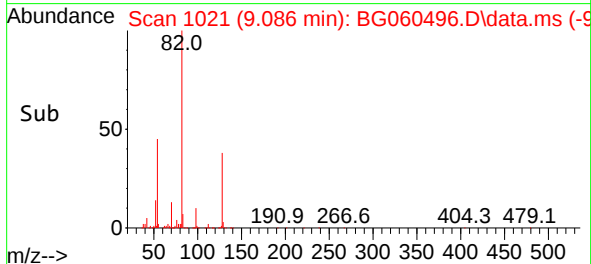
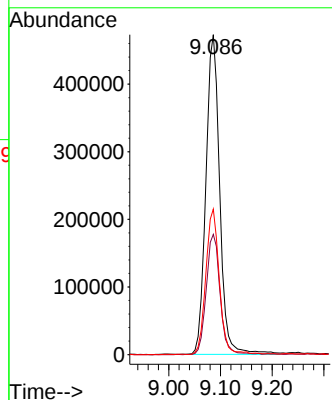
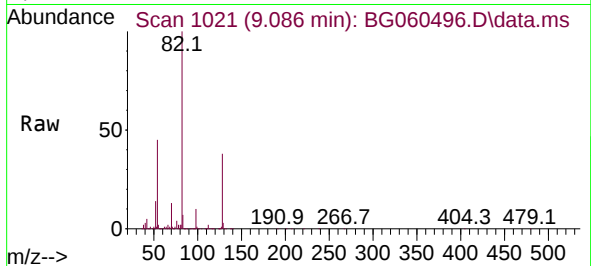




#23
Nitrobenzene-d5
Concen: 51.722 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.007 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

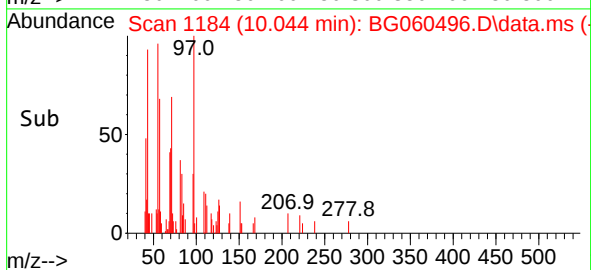
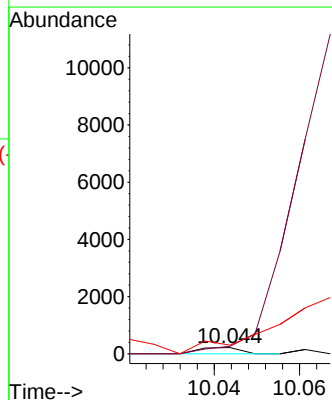
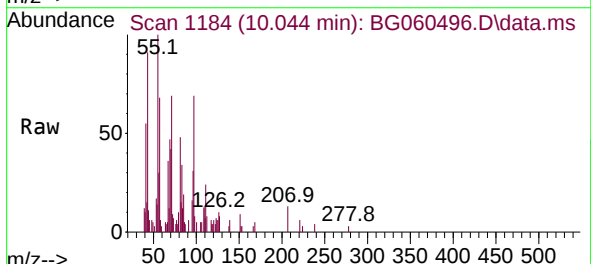
Instrument :
BNA_G
ClientSampleId :
OR-02-012924

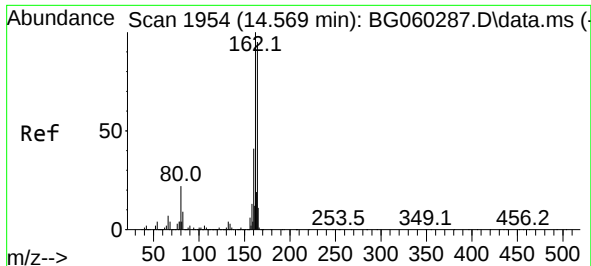
Tgt Ion: 82 Resp: 877480
Ion Ratio Lower Upper
82 100
128 37.6 29.6 44.4
54 45.5 33.6 50.4



#32
Benzoic acid
Concen: 10.216 ng
RT: 10.044 min Scan# 1184
Delta R.T. -0.001 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

Tgt Ion: 122 Resp: 150
Ion Ratio Lower Upper
122 100
105 120.0 96.0 136.0
77 137.3 80.1 120.1#

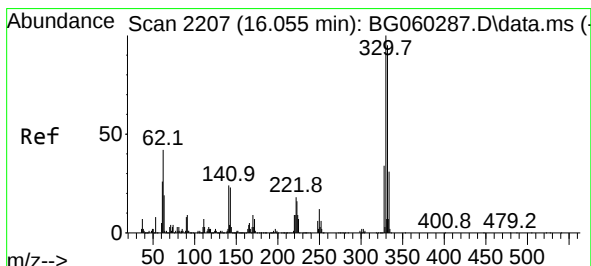
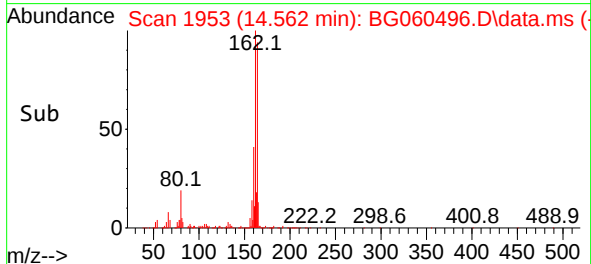
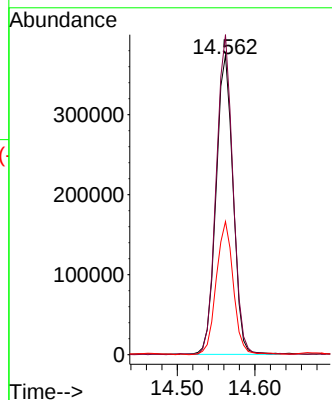
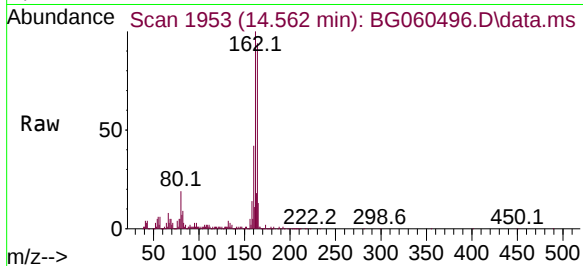




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.007 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

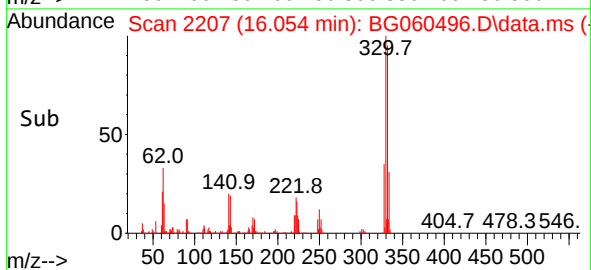
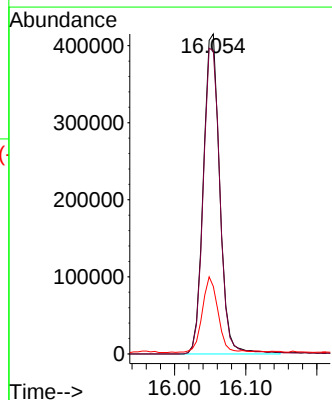
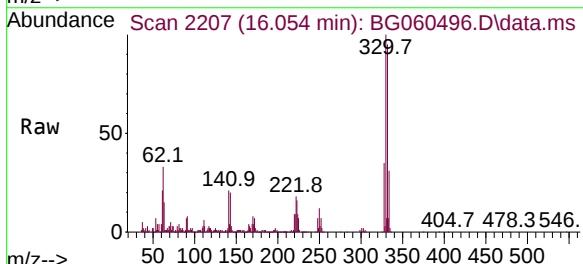
Instrument :
BNA_G
ClientSampleId :
OR-02-012924

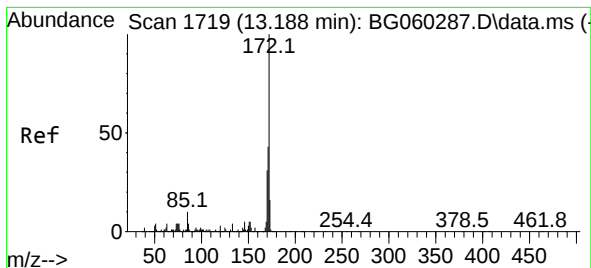
Tgt Ion:164 Resp: 571282
Ion Ratio Lower Upper
164 100
162 106.8 84.4 126.6
160 44.4 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 78.767 ng
RT: 16.054 min Scan# 2207
Delta R.T. -0.001 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

Tgt Ion:330 Resp: 662057
Ion Ratio Lower Upper
330 100
332 97.4 76.7 115.1
141 23.0 18.6 28.0





#45

2-Fluorobiphenyl

Concen: 55.141 ng

RT: 13.181 min Scan# 1719

Delta R.T. -0.007 min

Lab File: BG060496.D

Acq: 30 Jan 2024 23:24

Instrument :

BNA_G

ClientSampleId :

OR-02-012924

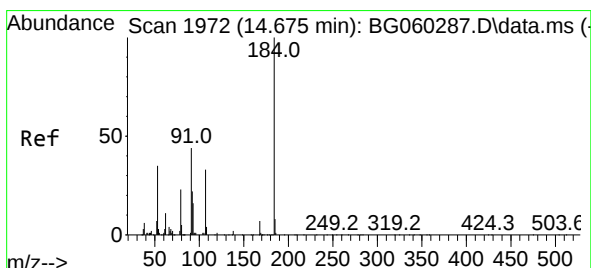
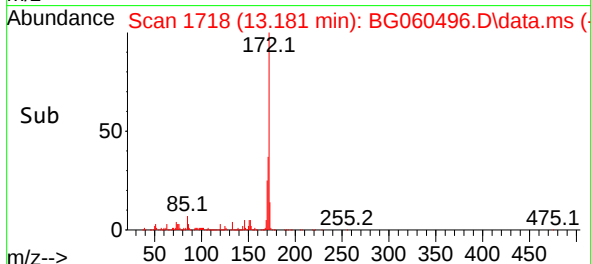
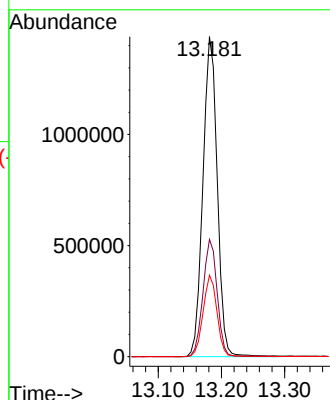
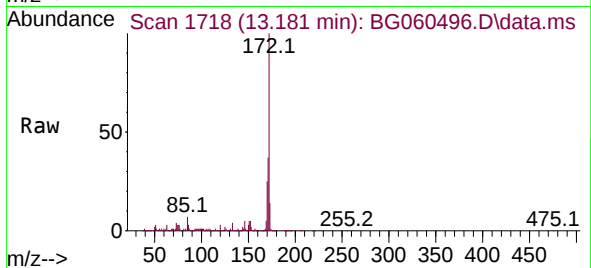
Tgt Ion:172 Resp: 2265759

Ion Ratio Lower Upper

172 100

171 36.6 34.6 51.8

170 25.4 24.4 36.6



#54

2,4-Dinitrophenol

Concen: 8.613 ng

RT: 14.668 min Scan# 1971

Delta R.T. -0.007 min

Lab File: BG060496.D

Acq: 30 Jan 2024 23:24

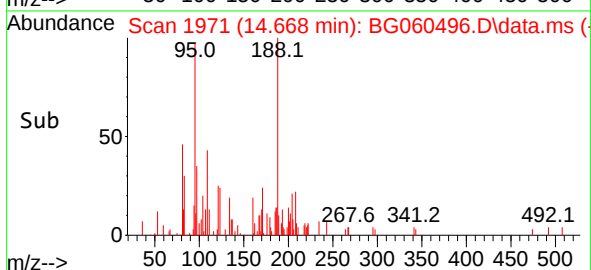
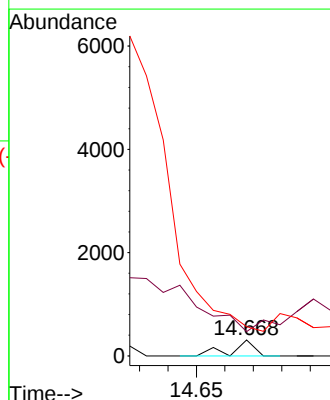
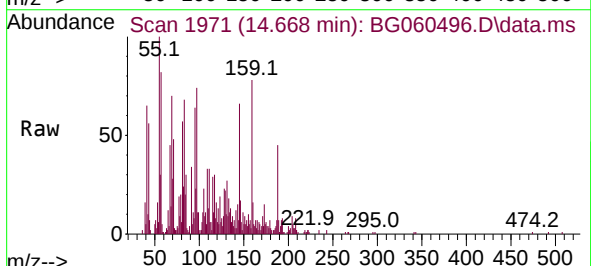
Tgt Ion:184 Resp: 166

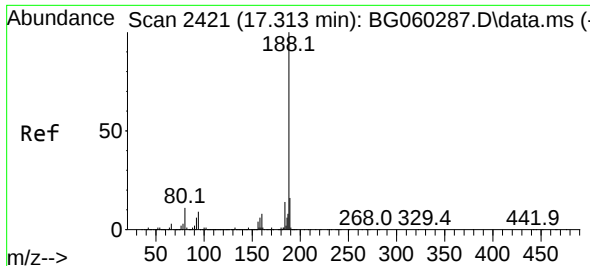
Ion Ratio Lower Upper

184 100

63 151.5 41.0 61.4#

154 182.8 39.2 58.8#

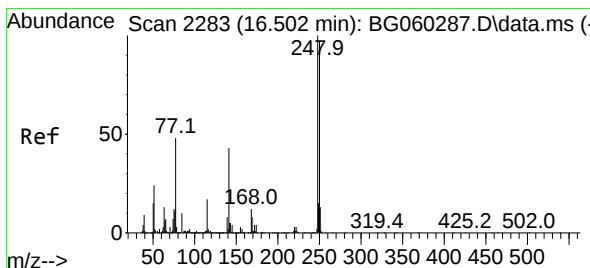
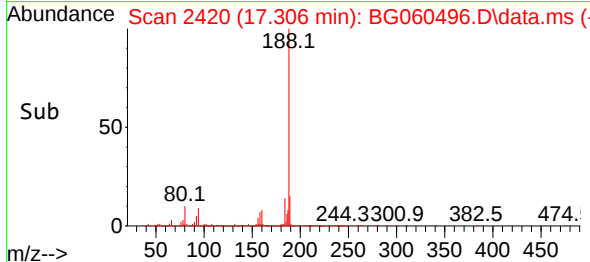
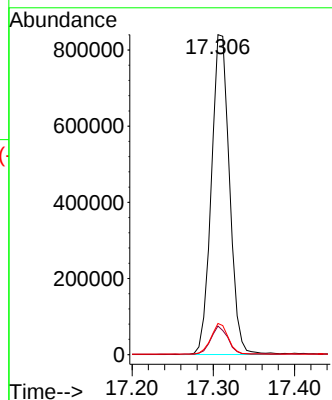
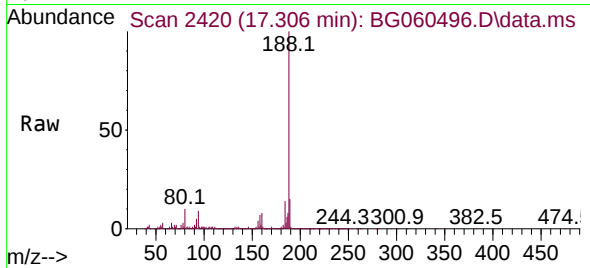




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 24
Delta R.T. -0.007 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

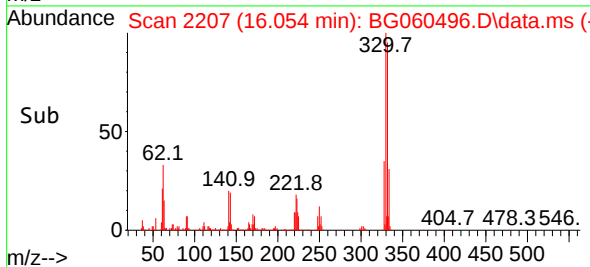
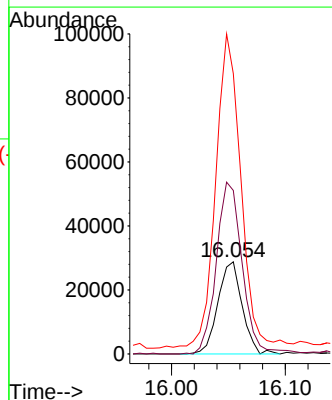
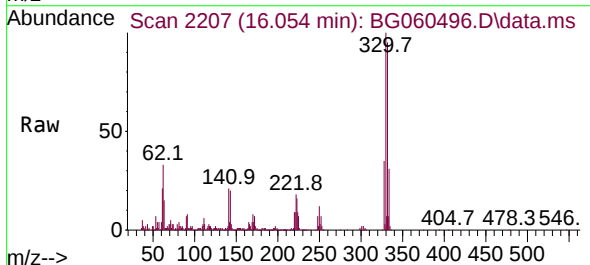
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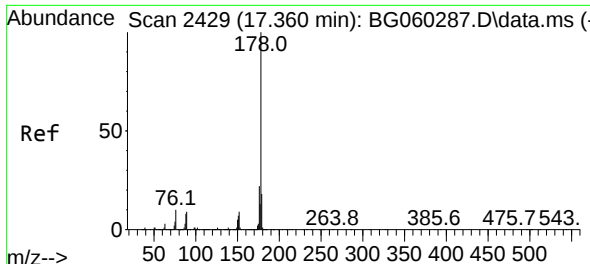
Tgt Ion:188 Resp: 1305031
Ion Ratio Lower Upper
188 100
94 8.9 7.1 10.7
80 9.7 8.5 12.7



#67
4-Bromophenyl-phenylether
Concen: 2.958 ng
RT: 16.054 min Scan# 2207
Delta R.T. -0.448 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

Tgt Ion:248 Resp: 42418
Ion Ratio Lower Upper
248 100
250 177.6 77.6 116.4#
141 304.3 34.2 51.4#

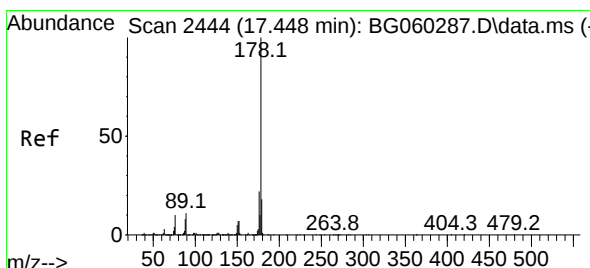
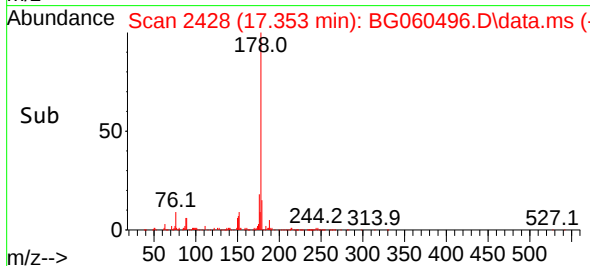
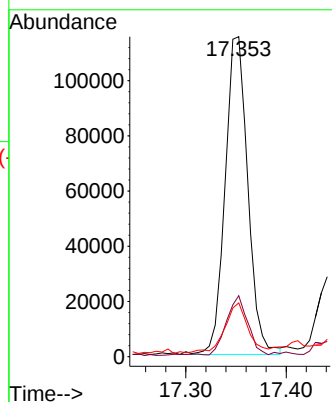
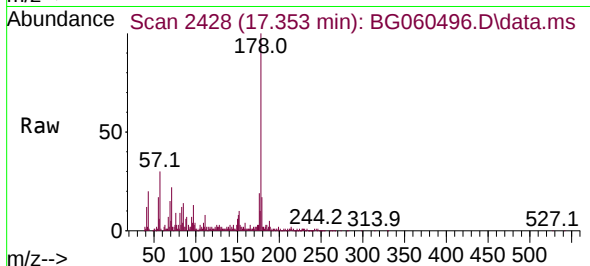




#71
Phenanthrene
Concen: 2.885 ng
RT: 17.353 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

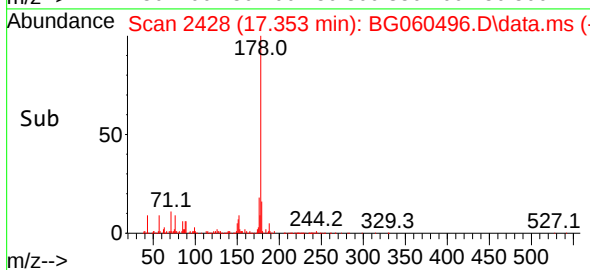
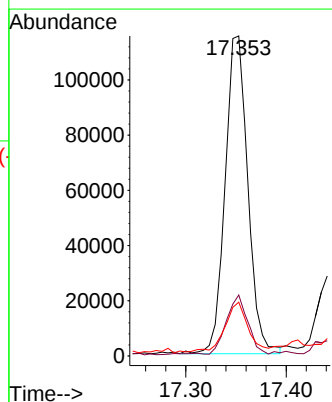
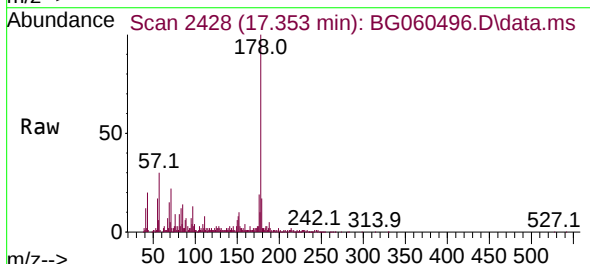
Instrument :
BNA_G
ClientSampleId :
OR-02-012924

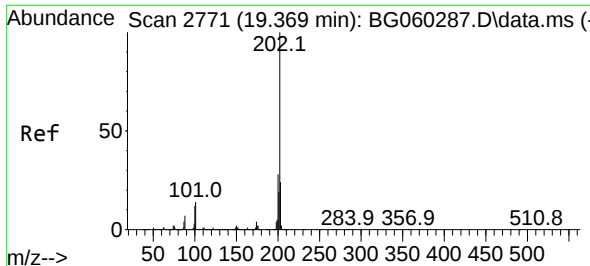
Tgt Ion:178 Resp: 181993
Ion Ratio Lower Upper
178 100
176 19.0 17.4 26.2
179 16.8 14.7 22.1



#72
Anthracene
Concen: 2.890 ng
RT: 17.353 min Scan# 2428
Delta R.T. -0.095 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

Tgt Ion:178 Resp: 181993
Ion Ratio Lower Upper
178 100
176 19.0 17.8 26.6
179 16.8 14.1 21.1

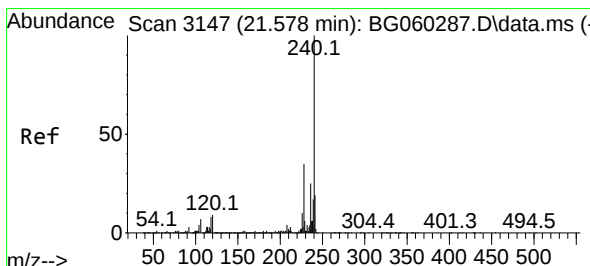
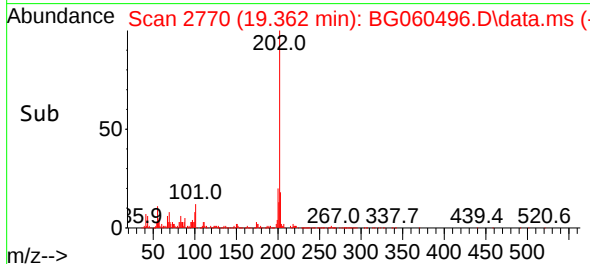
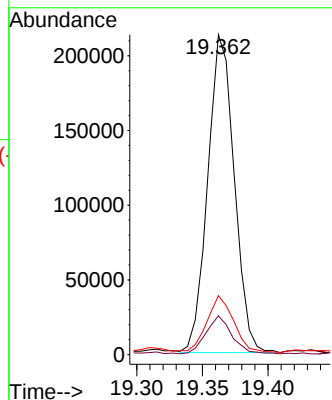
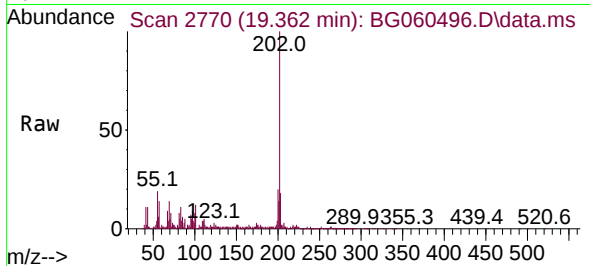




#75
Fluoranthene
Concen: 3.953 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

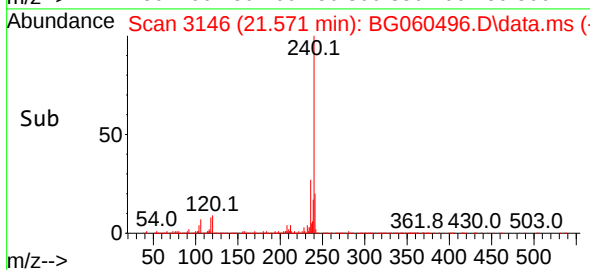
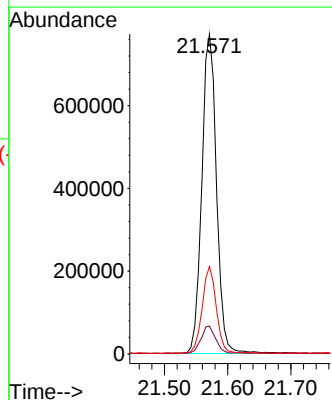
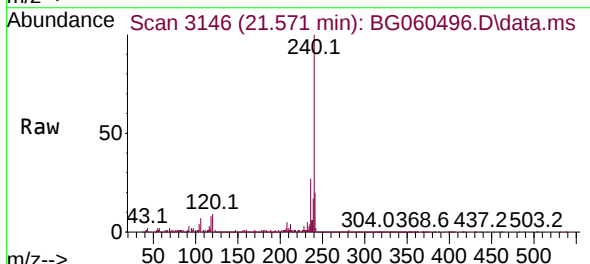
Instrument :
BNA_G
ClientSampleId :
OR-02-012924

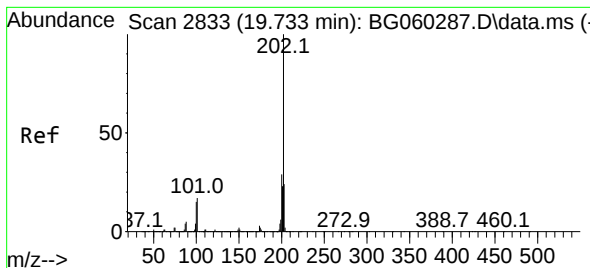
Tgt Ion:202 Resp: 299466
Ion Ratio Lower Upper
202 100
101 12.1 0.0 34.4
203 18.4 4.0 44.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3146
Delta R.T. -0.007 min
Lab File: BG060496.D
Acq: 30 Jan 2024 23:24

Tgt Ion:240 Resp: 1245639
Ion Ratio Lower Upper
240 100
120 8.7 7.3 10.9
236 27.3 20.3 30.5





#78

Pyrene

Concen: 3.871 ng

RT: 19.726 min Scan# 2832

Delta R.T. -0.007 min

Lab File: BG060496.D

Acq: 30 Jan 2024 23:24

Instrument :

BNA_G

ClientSampleId :

OR-02-012924

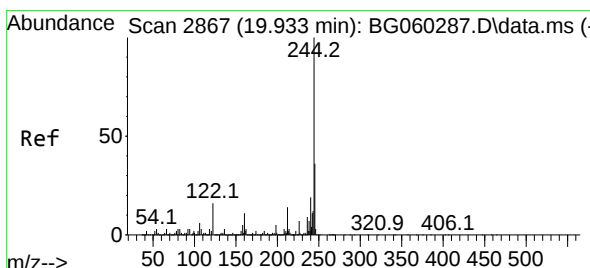
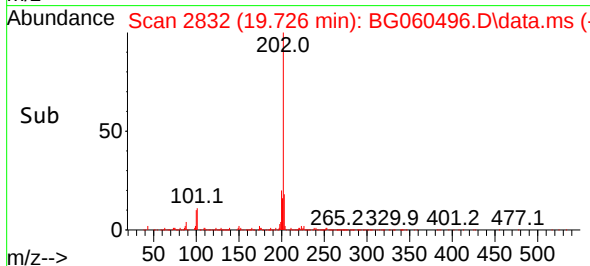
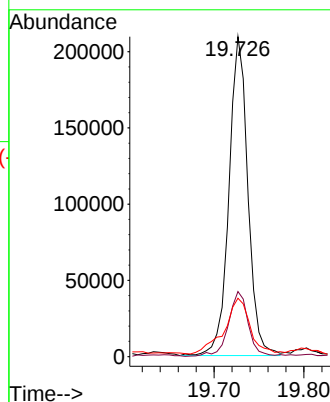
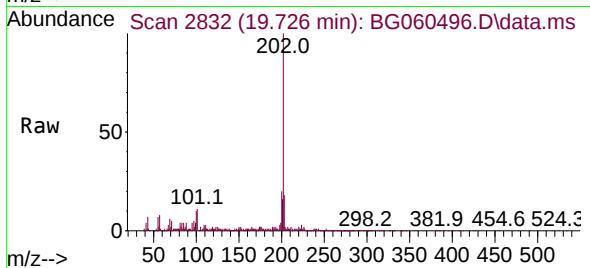
Tgt Ion:202 Resp: 307943

Ion Ratio Lower Upper

202 100

200 20.3 23.5 35.3#

203 18.2 19.6 29.4#



#79

Terphenyl-d14

Concen: 60.700 ng

RT: 19.926 min Scan# 2866

Delta R.T. -0.007 min

Lab File: BG060496.D

Acq: 30 Jan 2024 23:24

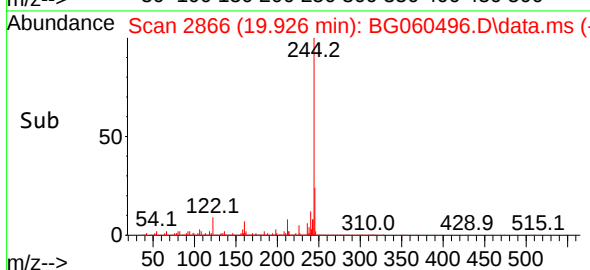
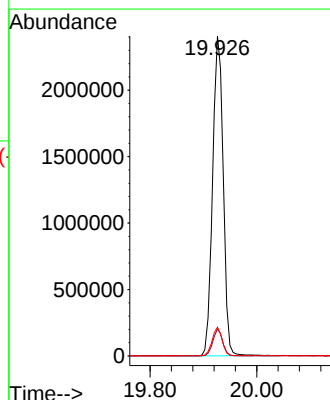
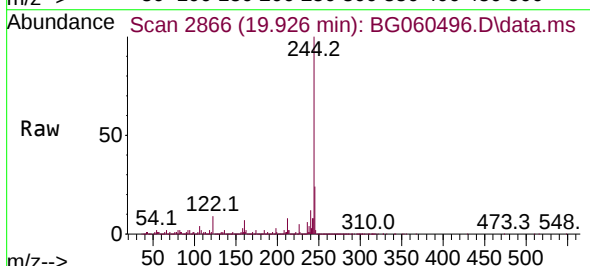
Tgt Ion:244 Resp: 3340626

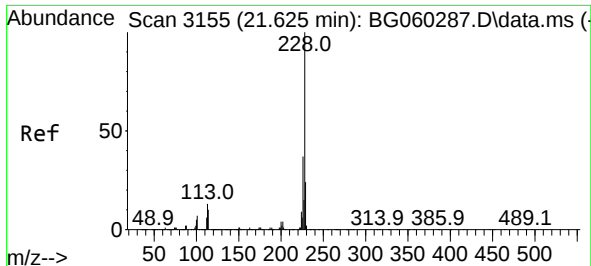
Ion Ratio Lower Upper

244 100

212 8.4 10.9 16.3#

122 9.0 12.6 18.8#





#83

Chrysene

Concen: 2.004 ng

RT: 21.618 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG060496.D

Acq: 30 Jan 2024 23:24

Instrument :

BNA_G

ClientSampleId :

OR-02-012924

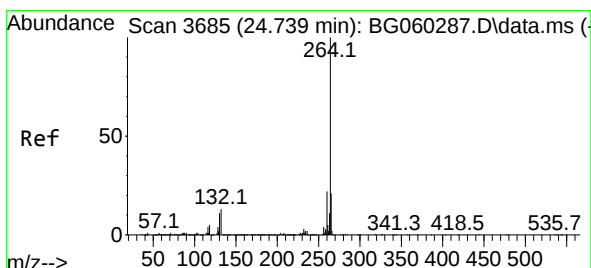
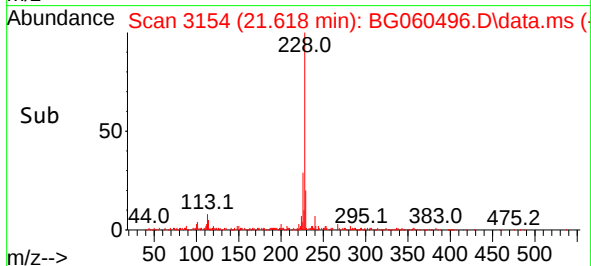
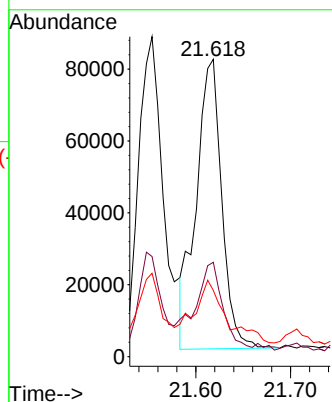
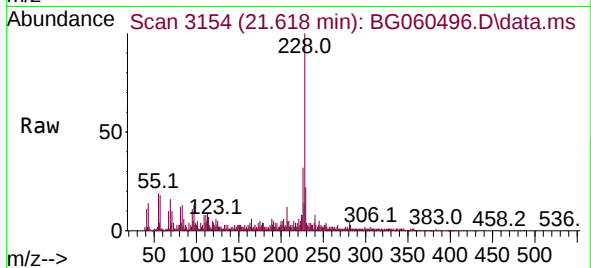
Tgt Ion:228 Resp: 151973

Ion Ratio Lower Upper

228 100

226 31.7 29.4 44.2

229 22.3 19.2 28.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.738 min Scan# 3685

Delta R.T. -0.001 min

Lab File: BG060496.D

Acq: 30 Jan 2024 23:24

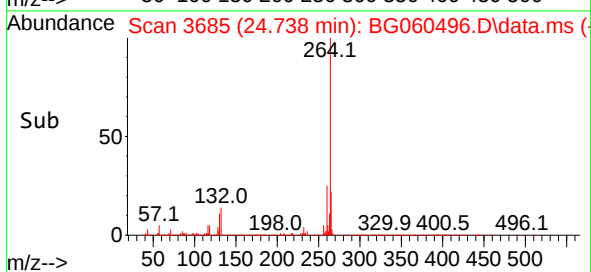
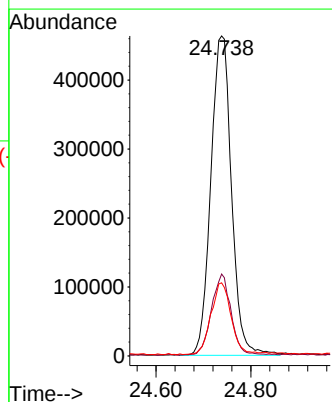
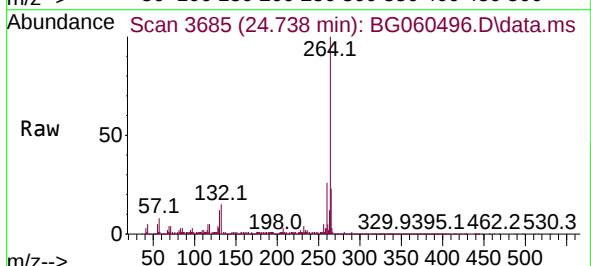
Tgt Ion:264 Resp: 1404131

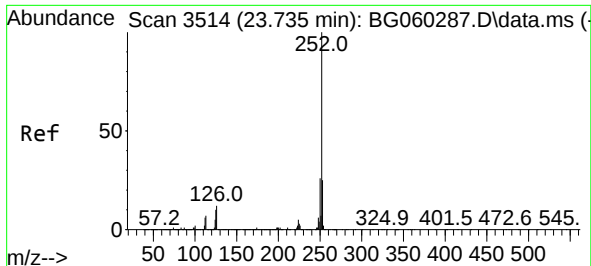
Ion Ratio Lower Upper

264 100

260 25.6 17.8 26.6

265 22.8 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 2.349 ng

RT: 23.733 min Scan# 3514

Delta R.T. -0.001 min

Lab File: BG060496.D

Acq: 30 Jan 2024 23:24

Instrument :

BNA_G

ClientSampleId :

OR-02-012924

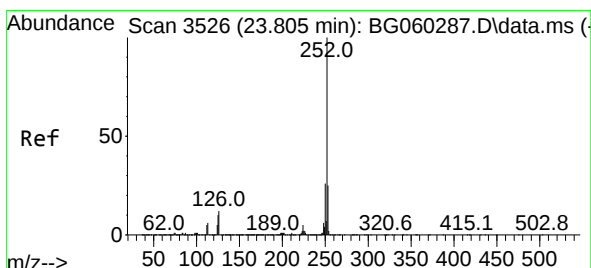
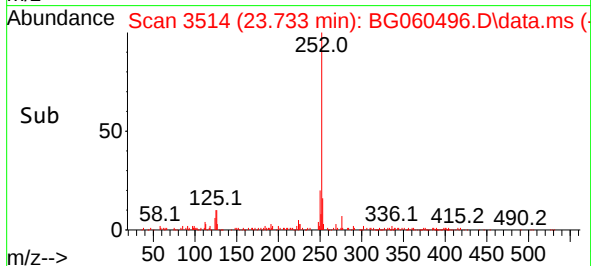
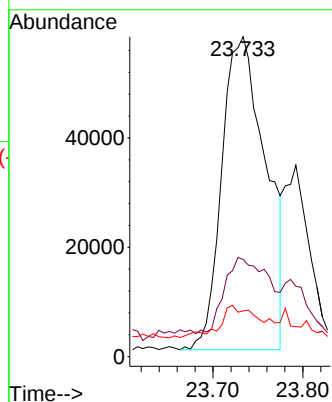
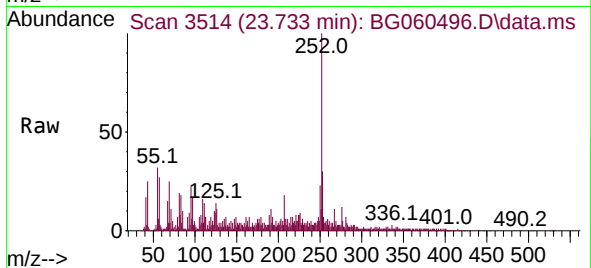
Tgt Ion:252 Resp: 194848

Ion Ratio Lower Upper

252 100

253 30.4 20.0 30.0#

125 14.3 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 2.380 ng

RT: 23.733 min Scan# 3514

Delta R.T. -0.072 min

Lab File: BG060496.D

Acq: 30 Jan 2024 23:24

Tgt Ion:252 Resp: 194848

Ion Ratio Lower Upper

252 100

253 30.4 19.6 29.4#

125 14.3 8.2 12.2#

