

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
 Data File : BG060372.D
 Acq On : 19 Jan 2024 17:00
 Operator : MA/JU
 Sample : P1180-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-011824

Quant Time: Jan 19 17:34:42 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)

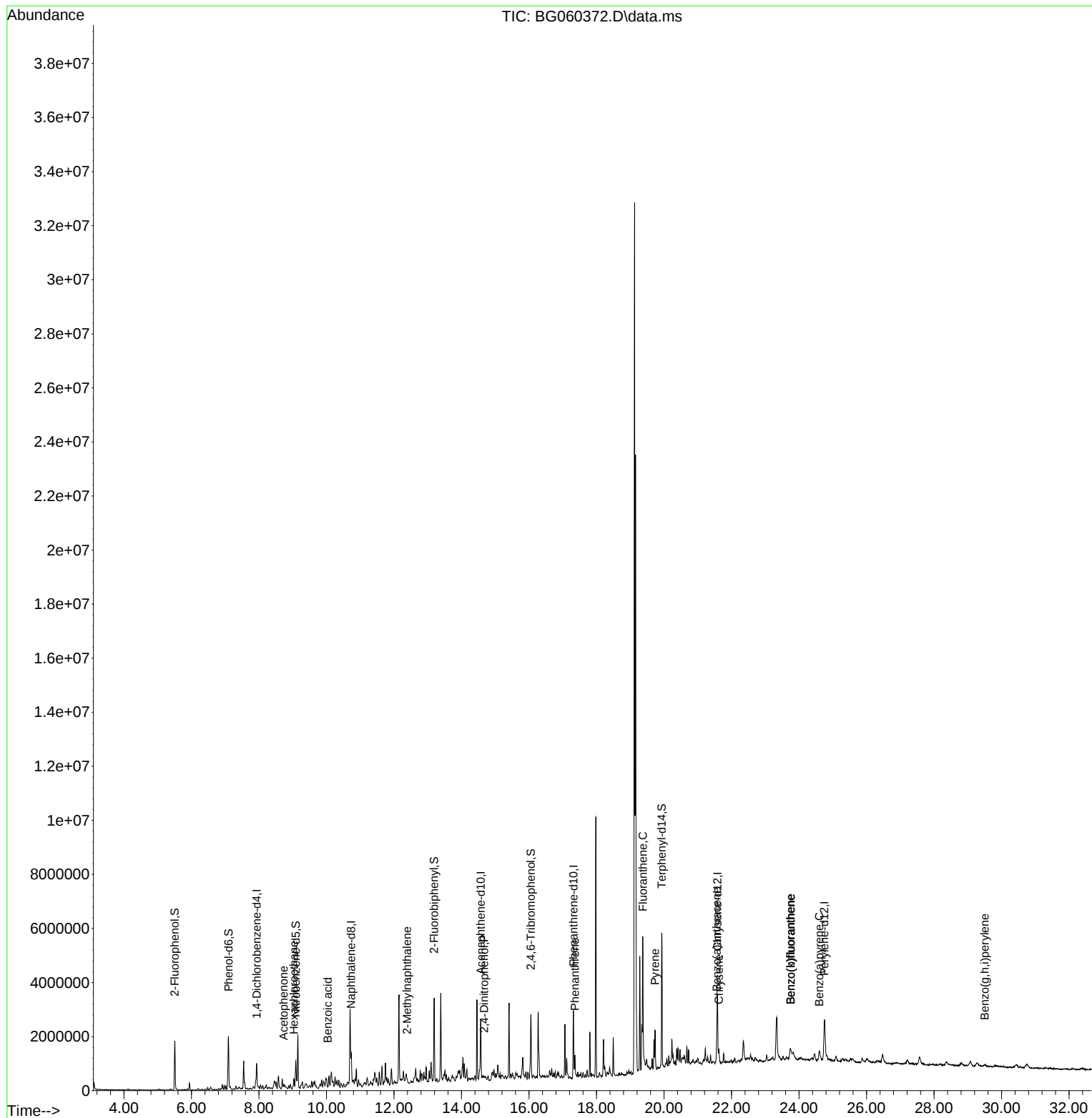
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	307511	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	1033884	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	743186	20.000	ng	0.00
64) Phenanthrene-d10	17.317	188	1678891	20.000	ng	0.00
76) Chrysene-d12	21.583	240	1487055	20.000	ng	0.00
86) Perylene-d12	24.750	264	1697186	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	902027	48.247	ng	0.00
7) Phenol-d6	7.094	99	1318293	47.618	ng	0.00
23) Nitrobenzene-d5	9.092	82	686771	31.367	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	524728	47.989	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	1765930	33.036	ng	0.00
79) Terphenyl-d14	19.932	244	2655366	35.475	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.033	117	27602	3.336	ng	# 1
22) Acetophenone	8.733	105	114822	4.040	ng	# 62
32) Benzoic acid	10.038	122	725	10.259	ng	# 63
37) 2-Methylnaphthalene	12.388	142	95140	2.367	ng	93
54) 2,4-Dinitrophenol	14.673	184	140	8.604	ng	# 1
71) Phenanthrene	17.359	178	499740	6.158	ng	96
75) Fluoranthene	19.374	202	817860	8.391	ng	92
78) Pyrene	19.732	202	930674	9.800	ng	# 85
81) Benzo(a)anthracene	21.560	228	399642	4.341	ng	96
83) Chrysene	21.624	228	378857	4.184	ng	94
88) Benzo(b)fluoranthene	23.751	252	522862	5.215	ng	94
89) Benzo(k)fluoranthene	23.751	252	522862	5.285	ng	93
90) Benzo(a)pyrene	24.603	252	412888	4.559	ng	# 96
92) Benzo(g,h,i)perylene	29.503	276	216191	2.189	ng	94

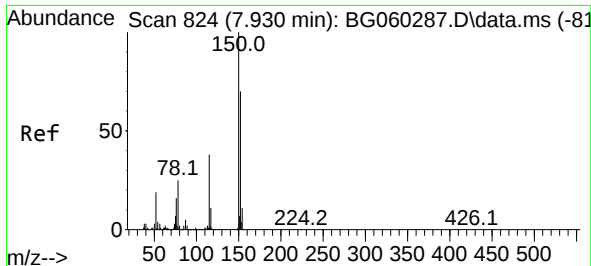
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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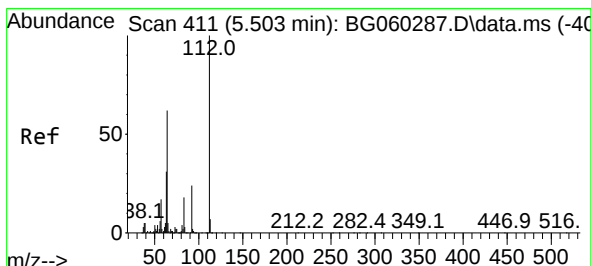
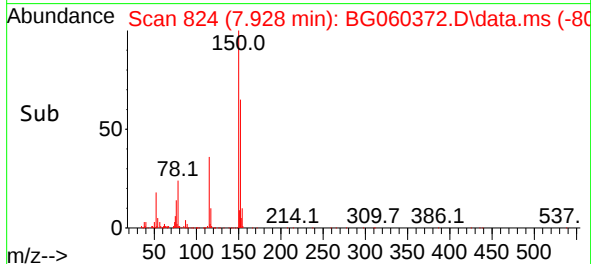
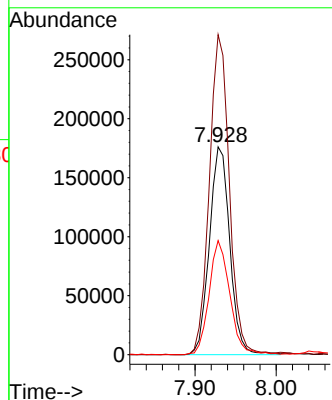
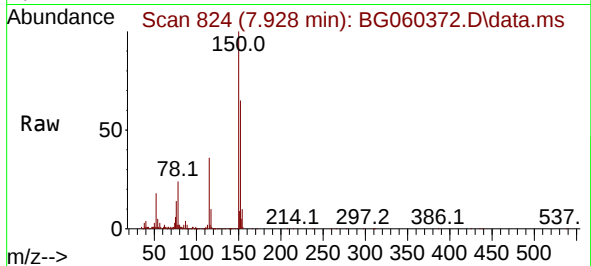




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

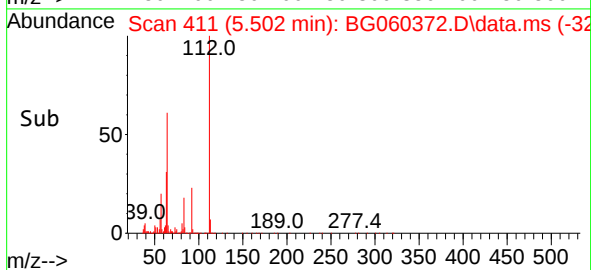
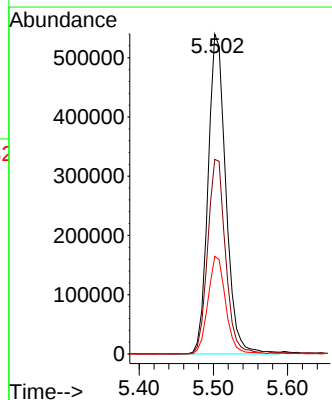
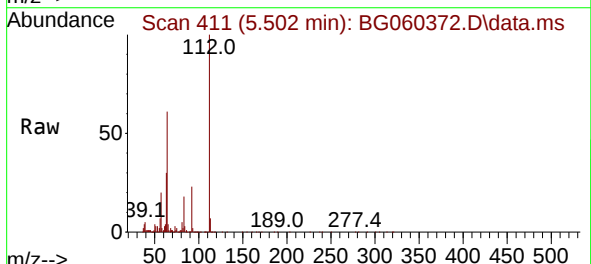
Instrument :
BNA_G
ClientSampleId :
EO-01-011824

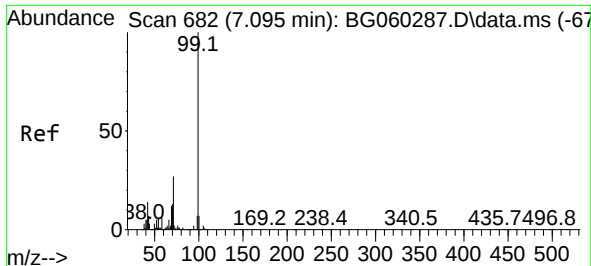
Tgt Ion:152 Resp: 307511
Ion Ratio Lower Upper
152 100
150 153.9 114.5 171.7
115 54.9 43.0 64.6



#5
2-Fluorophenol
Concen: 48.247 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion:112 Resp: 902027
Ion Ratio Lower Upper
112 100
64 60.8 49.8 74.6
63 30.5 24.4 36.6

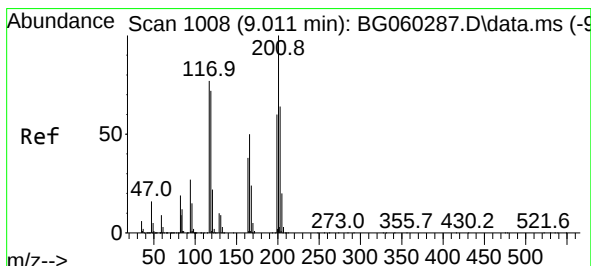
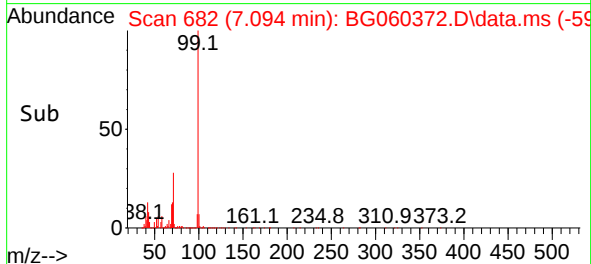
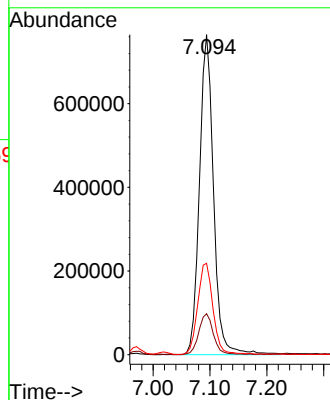
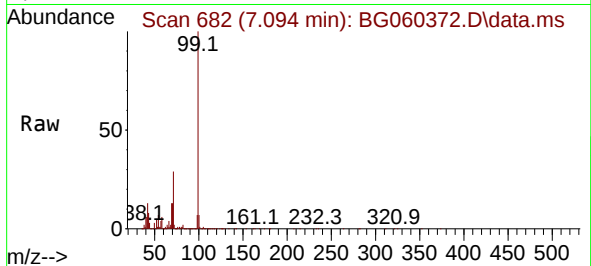




#7
Phenol-d6
Concen: 47.618 ng
RT: 7.094 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

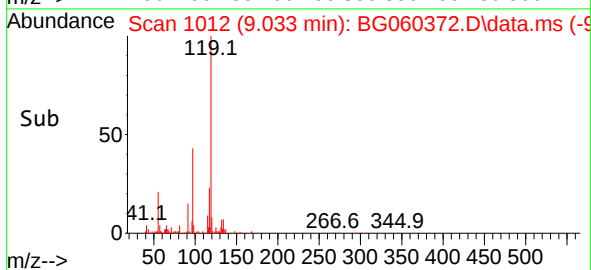
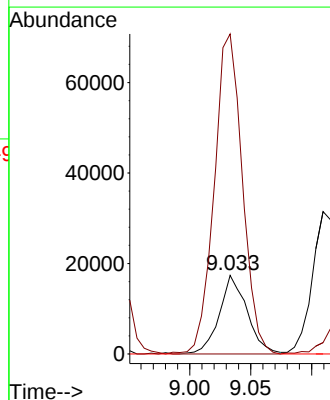
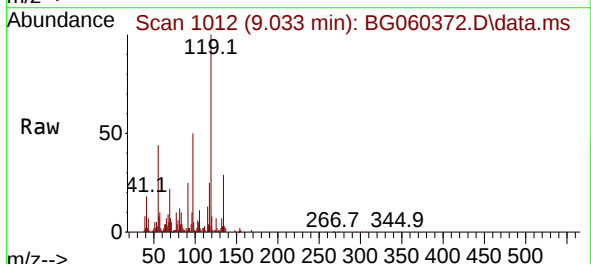
Instrument :
BNA_G
ClientSampleId :
EO-01-011824

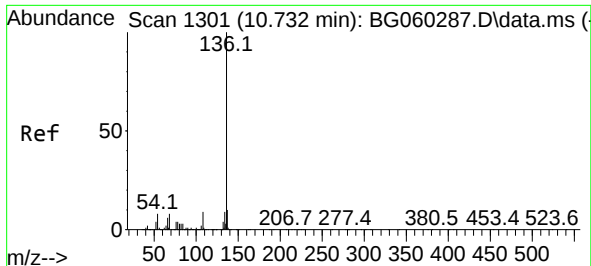
Tgt Ion: 99 Resp: 1318293
Ion Ratio Lower Upper
99 100
42 12.8 10.9 16.3
71 28.6 21.5 32.3



#18
Hexachloroethane
Concen: 3.336 ng
RT: 9.033 min Scan# 1012
Delta R.T. 0.022 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion: 117 Resp: 27602
Ion Ratio Lower Upper
117 100
119 406.9 74.5 111.7#
201 0.0 106.3 159.5#

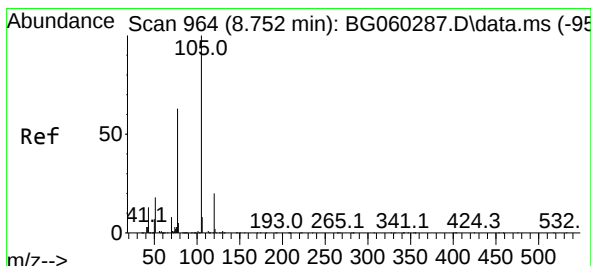
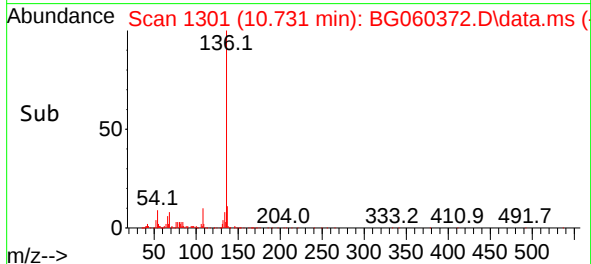
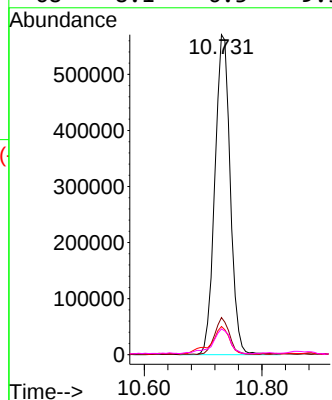
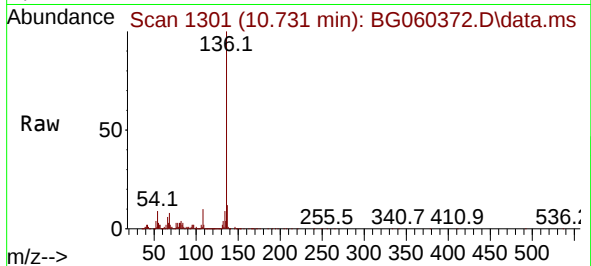




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

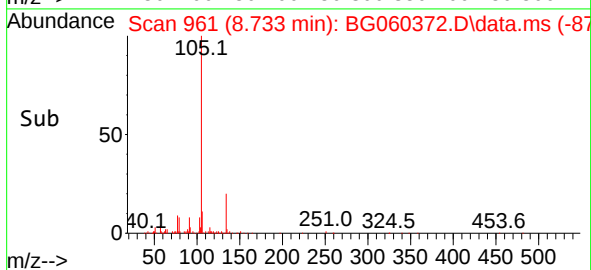
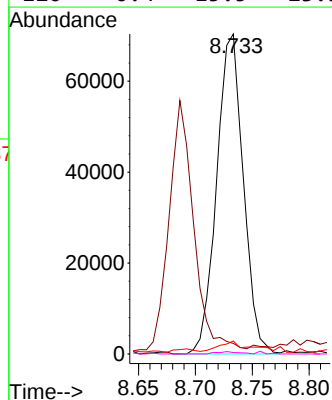
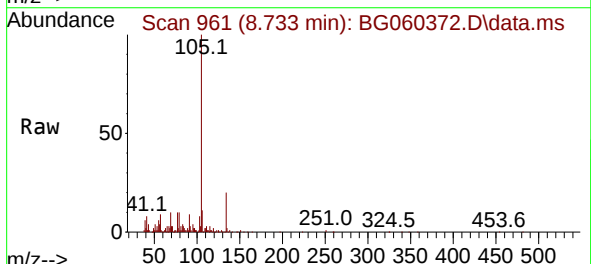
Instrument :
BNA_G
ClientSampleId :
EO-01-011824

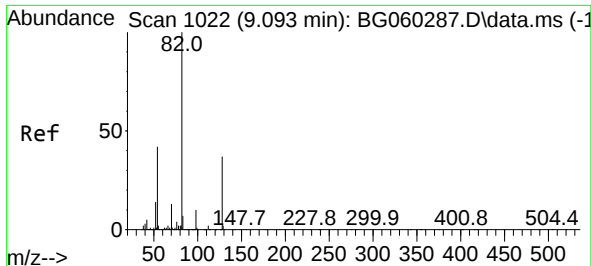
Tgt Ion:136 Resp: 1033884
Ion Ratio Lower Upper
136 100
137 11.6 8.2 12.4
54 8.8 6.2 9.2
68 8.1 6.3 9.5



#22
Acetophenone
Concen: 4.040 ng
RT: 8.733 min Scan# 961
Delta R.T. -0.019 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion:105 Resp: 114822
Ion Ratio Lower Upper
105 100
71 3.3 1.7 2.5#
51 4.0 18.2 27.2#
120 0.4 15.5 23.3#

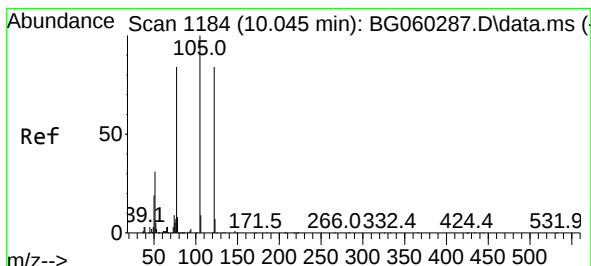
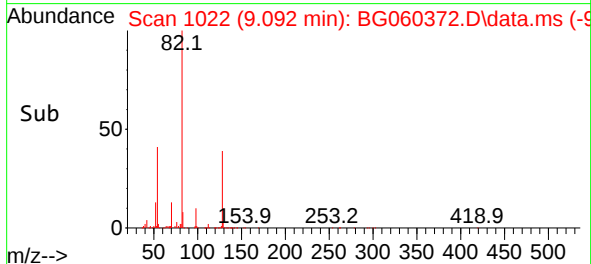
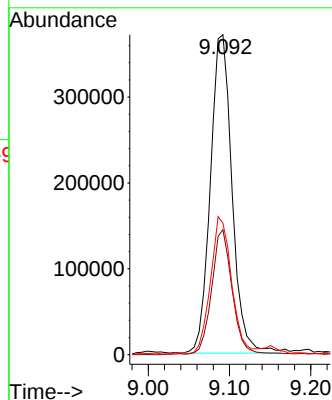
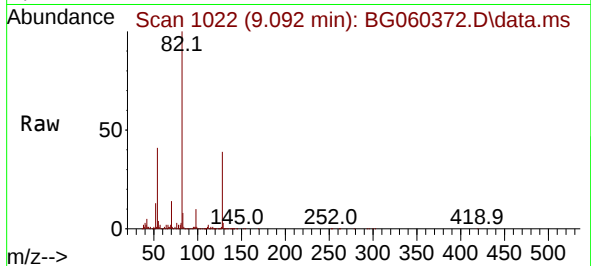




#23
Nitrobenzene-d5
Concen: 31.367 ng
RT: 9.092 min Scan# 1022
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

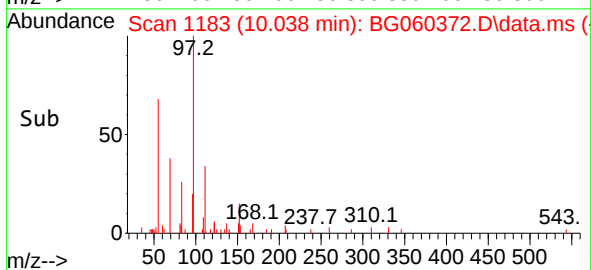
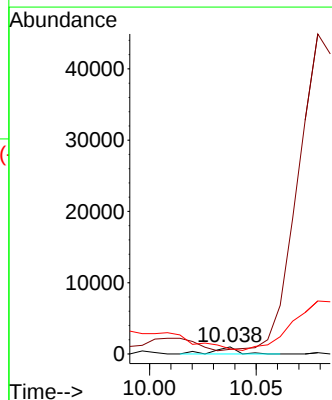
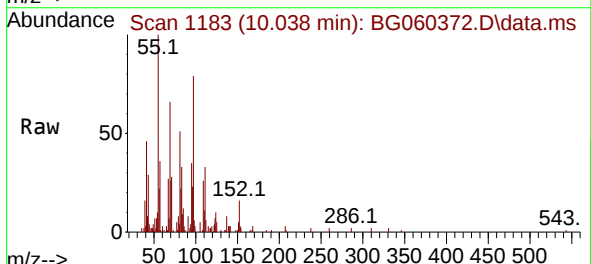
Instrument :
BNA_G
ClientSampleId :
EO-01-011824

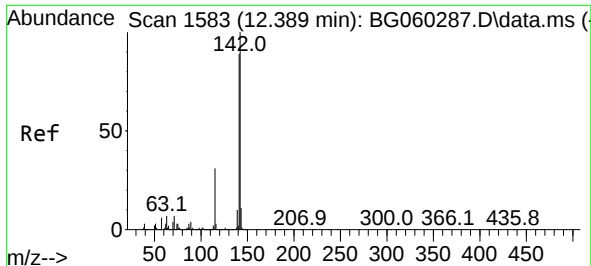
Tgt Ion: 82 Resp: 686771
Ion Ratio Lower Upper
82 100
128 39.0 29.6 44.4
54 41.1 33.6 50.4



#32
Benzoic acid
Concen: 10.259 ng
RT: 10.038 min Scan# 1183
Delta R.T. -0.007 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion: 122 Resp: 725
Ion Ratio Lower Upper
122 100
105 65.6 96.0 136.0#
77 73.2 80.1 120.1#

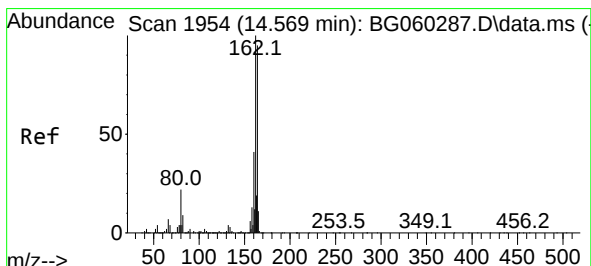
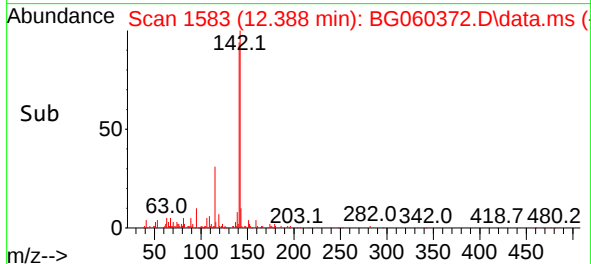
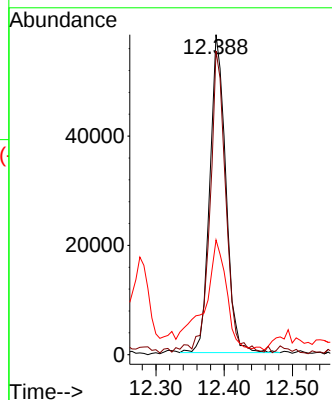
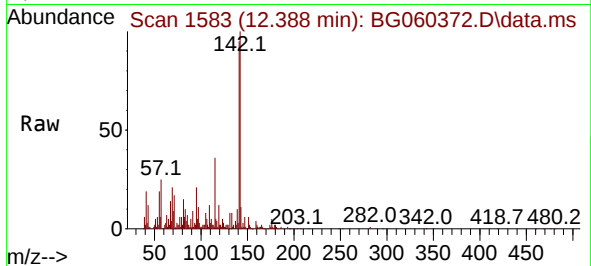




#37
2-Methylnaphthalene
Concen: 2.367 ng
RT: 12.388 min Scan# 1583
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

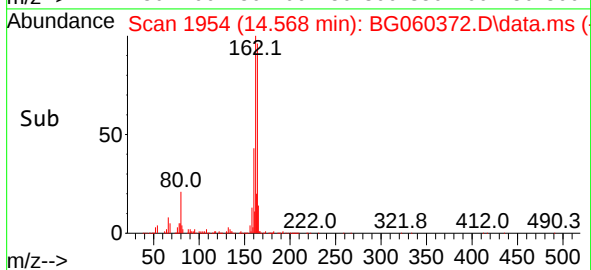
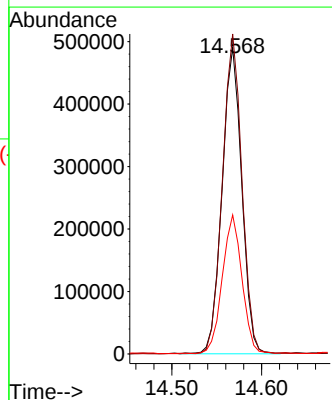
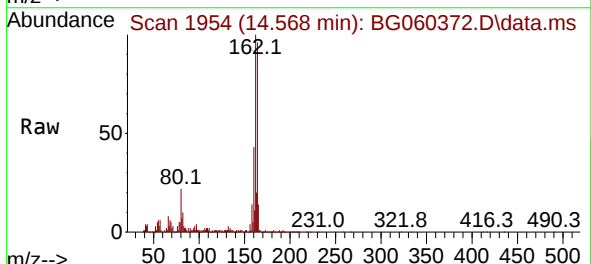
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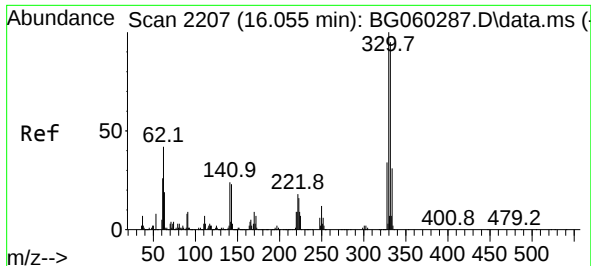
Tgt Ion:142 Resp: 95140
Ion Ratio Lower Upper
142 100
141 94.9 71.0 106.4
115 35.9 24.7 37.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion:164 Resp: 743186
Ion Ratio Lower Upper
164 100
162 104.5 84.4 126.6
160 45.4 34.6 52.0

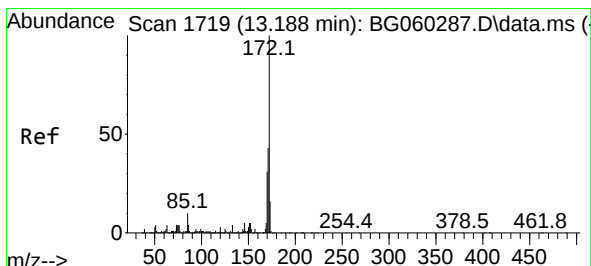
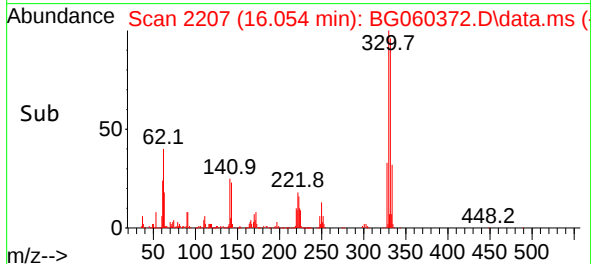
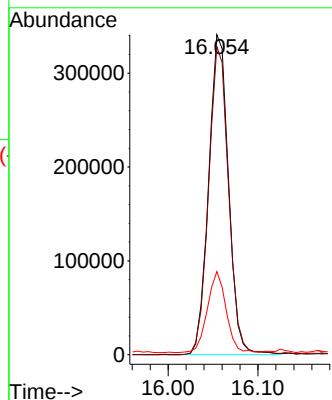
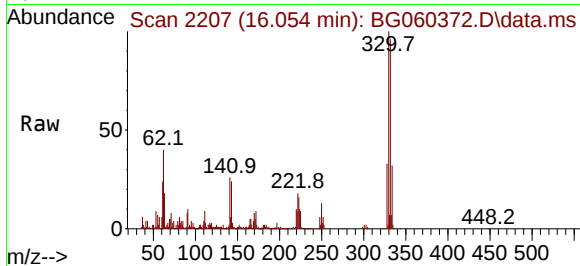




#42
2,4,6-Tribromophenol
Concen: 47.989 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

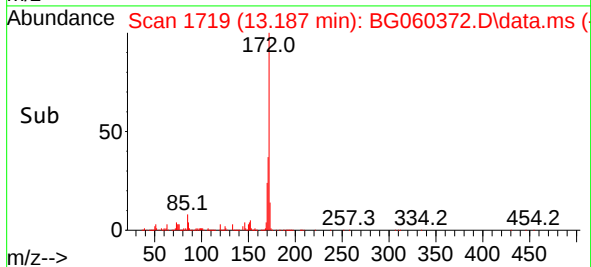
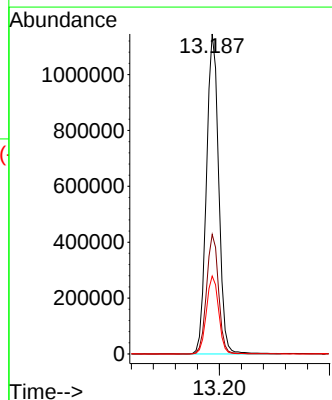
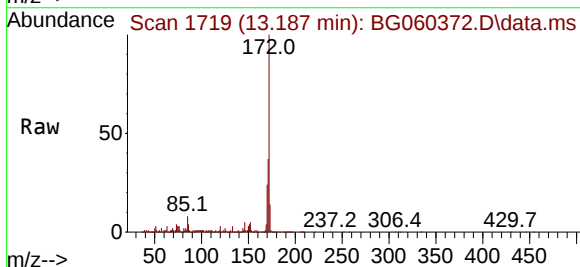
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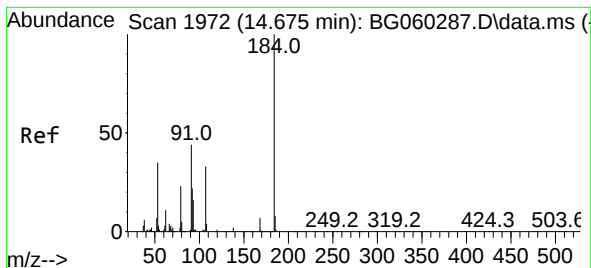
Tgt Ion:330 Resp: 524728
Ion Ratio Lower Upper
330 100
332 96.7 76.7 115.1
141 23.8 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 33.036 ng
RT: 13.187 min Scan# 1719
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion:172 Resp: 1765930
Ion Ratio Lower Upper
172 100
171 37.3 34.6 51.8
170 24.3 24.4 36.6#





#54

2,4-Dinitrophenol

Concen: 8.604 ng

RT: 14.673 min Scan# 14

Delta R.T. -0.002 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Instrument :

BNA_G

ClientSampleId :

EO-01-011824

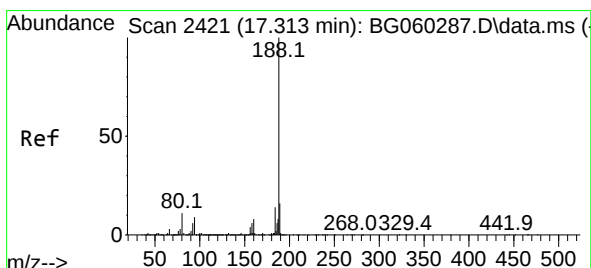
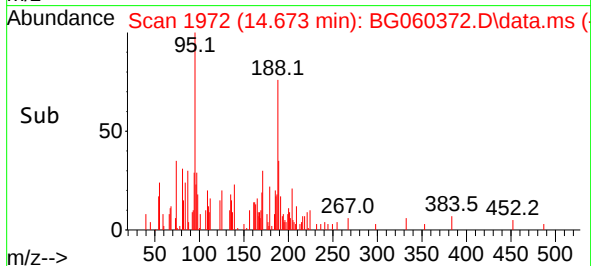
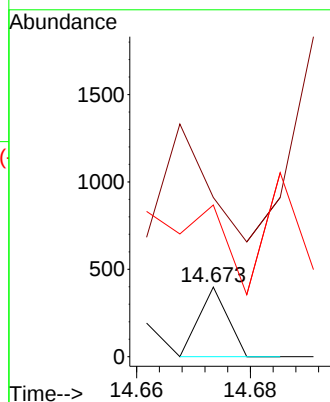
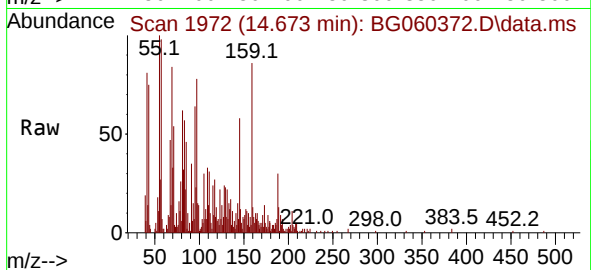
Tgt Ion:184 Resp: 140

Ion Ratio Lower Upper

184 100

63 228.9 41.0 61.4#

154 218.1 39.2 58.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.317 min Scan# 2422

Delta R.T. 0.005 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

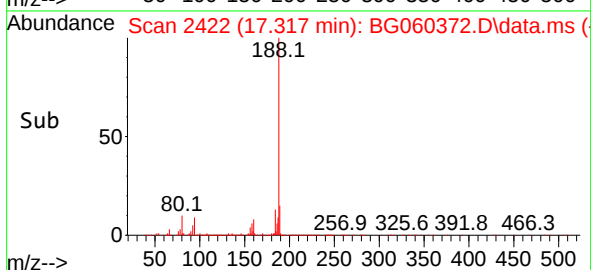
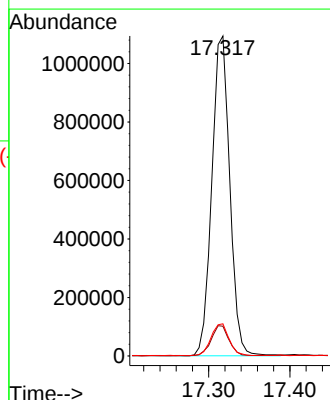
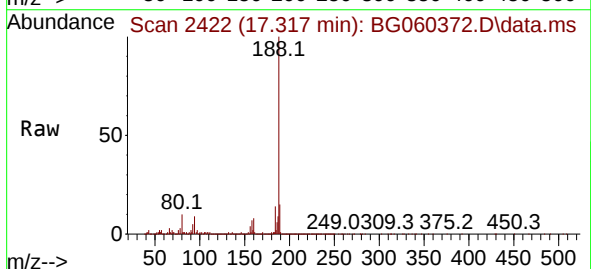
Tgt Ion:188 Resp: 1678891

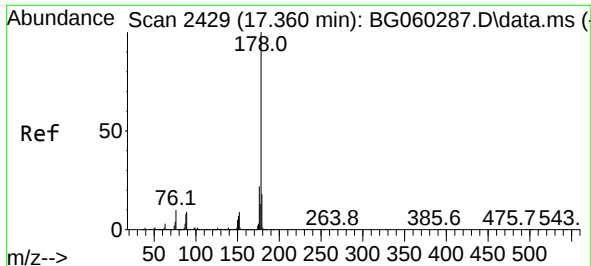
Ion Ratio Lower Upper

188 100

94 9.3 7.1 10.7

80 10.1 8.5 12.7

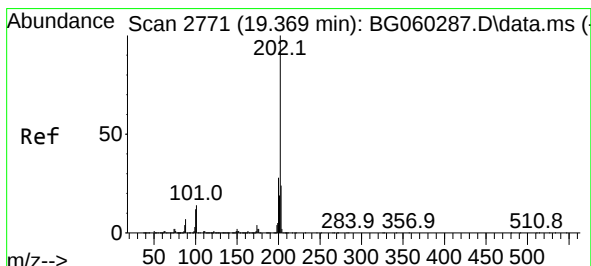
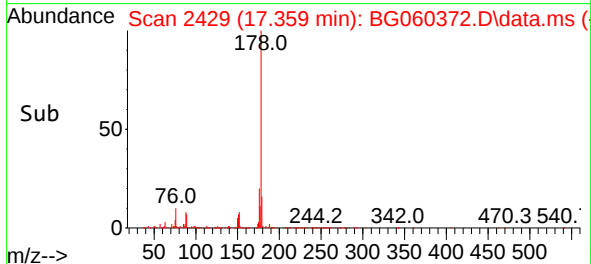
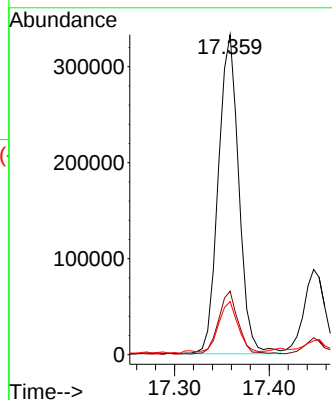
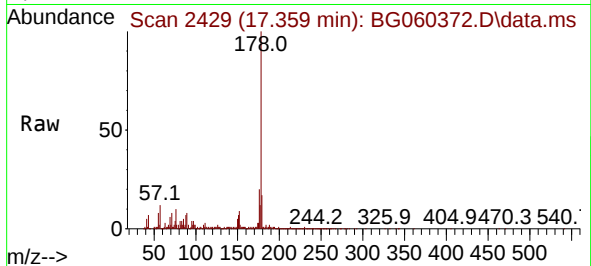




#71
Phenanthrene
Concen: 6.158 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

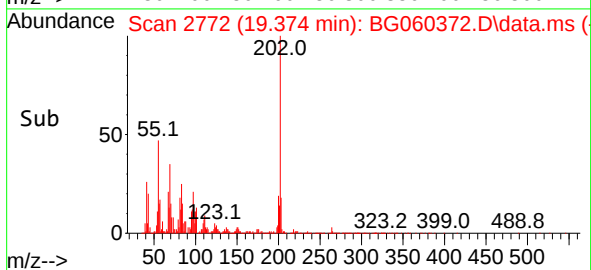
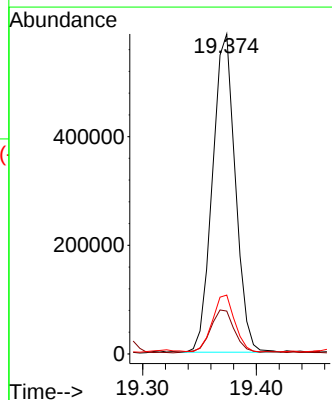
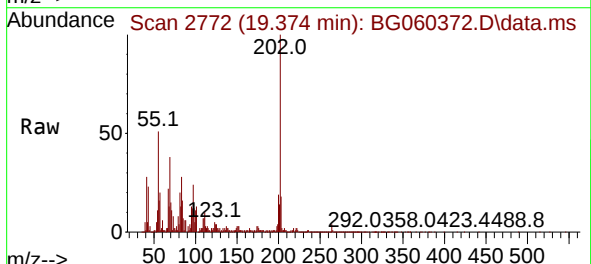
Instrument :
BNA_G
ClientSampleId :
EO-01-011824

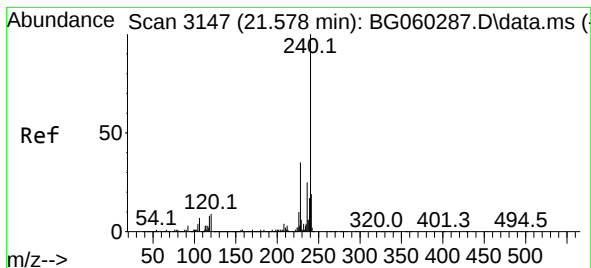
Tgt Ion:178 Resp: 499740
Ion Ratio Lower Upper
178 100
176 19.8 17.4 26.2
179 16.6 14.7 22.1



#75
Fluoranthene
Concen: 8.391 ng
RT: 19.374 min Scan# 2772
Delta R.T. 0.005 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion:202 Resp: 817860
Ion Ratio Lower Upper
202 100
101 13.4 0.0 34.4
203 18.4 4.0 44.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.583 min Scan# 3147

Delta R.T. 0.005 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Instrument :

BNA_G

ClientSampleId :

EO-01-011824

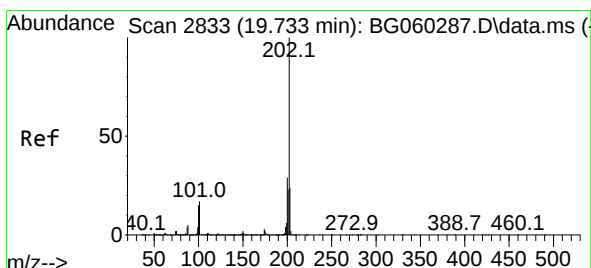
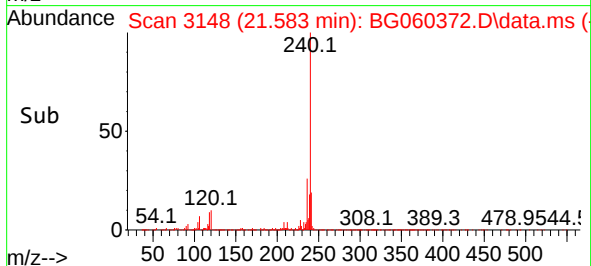
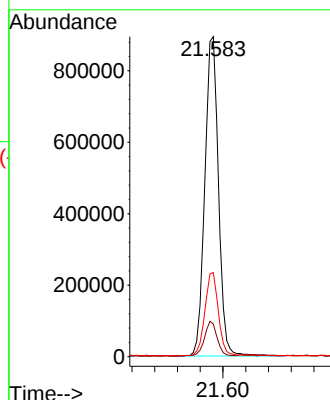
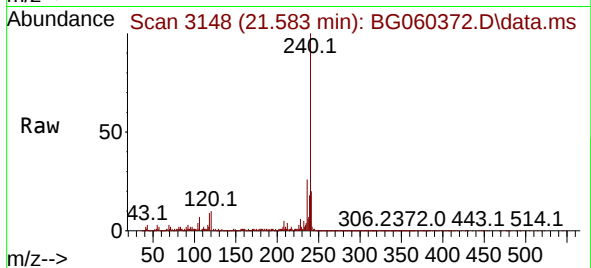
Tgt Ion:240 Resp: 1487055

Ion Ratio Lower Upper

240 100

120 10.2 7.3 10.9

236 26.3 20.3 30.5



#78

Pyrene

Concen: 9.800 ng

RT: 19.732 min Scan# 2833

Delta R.T. -0.001 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

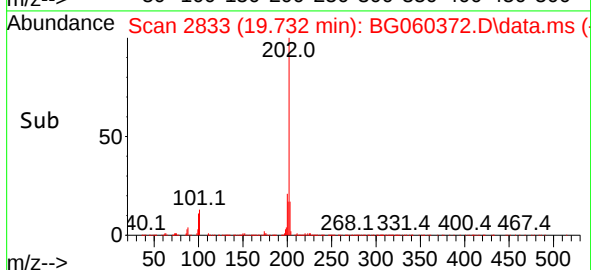
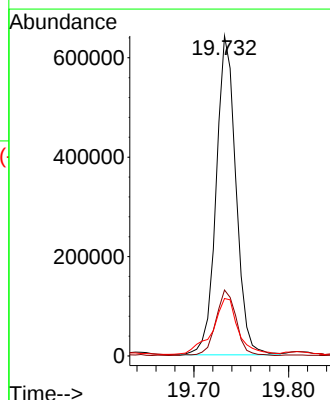
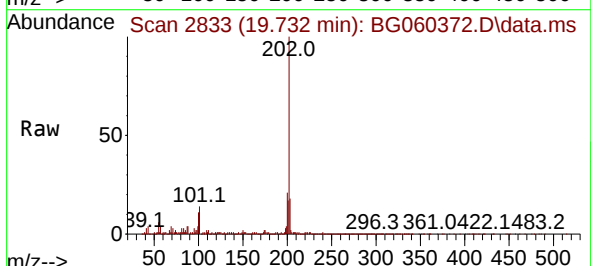
Tgt Ion:202 Resp: 930674

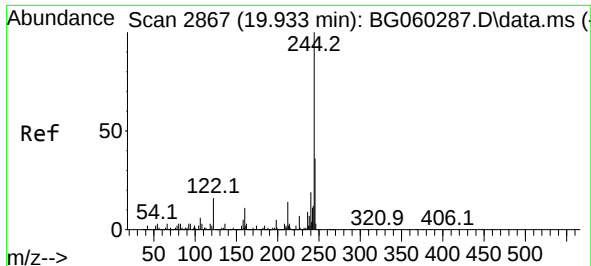
Ion Ratio Lower Upper

202 100

200 20.6 23.5 35.3#

203 18.0 19.6 29.4#

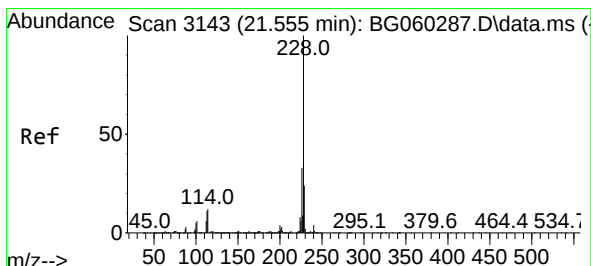
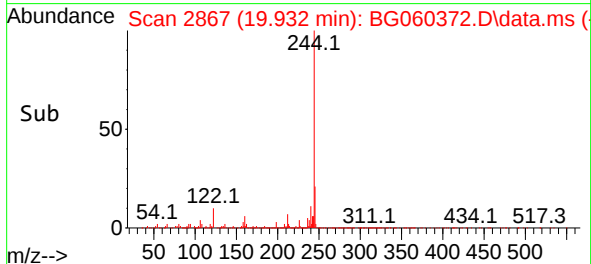
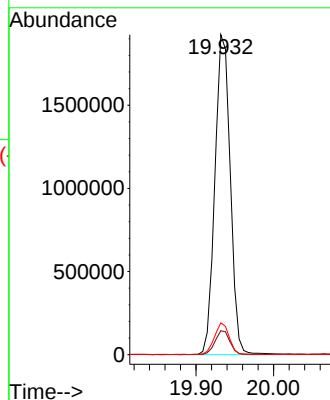
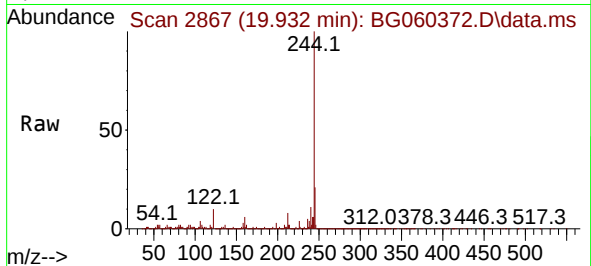




#79
 Terphenyl-d14
 Concen: 35.475 ng
 RT: 19.932 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG060372.D
 Acq: 19 Jan 2024 17:00

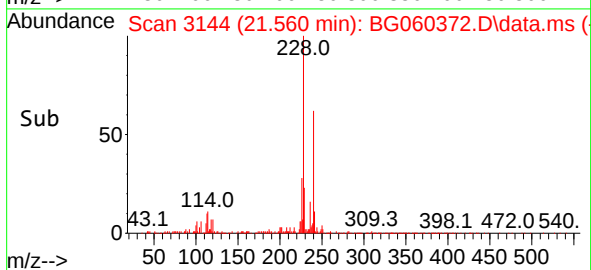
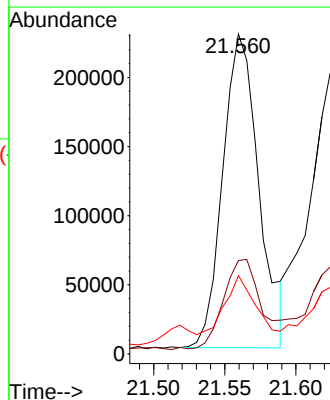
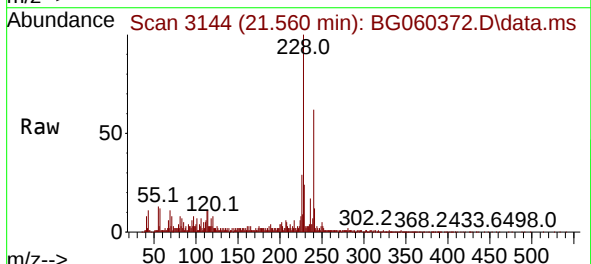
Instrument :
 BNA_G
 ClientSampleId :
 EO-01-011824

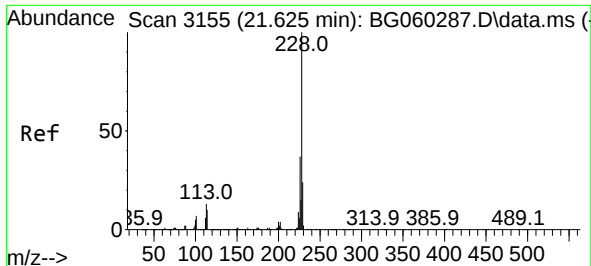
Tgt Ion:244 Resp: 2655366
 Ion Ratio Lower Upper
 244 100
 212 7.5 10.9 16.3#
 122 10.0 12.6 18.8#



#81
 Benzo(a)anthracene
 Concen: 4.341 ng
 RT: 21.560 min Scan# 3144
 Delta R.T. 0.005 min
 Lab File: BG060372.D
 Acq: 19 Jan 2024 17:00

Tgt Ion:228 Resp: 399642
 Ion Ratio Lower Upper
 228 100
 226 29.2 26.2 39.2
 229 24.4 19.4 29.2





#83

Chrysene

Concen: 4.184 ng

RT: 21.624 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Instrument :

BNA_G

ClientSampleId :

EO-01-011824

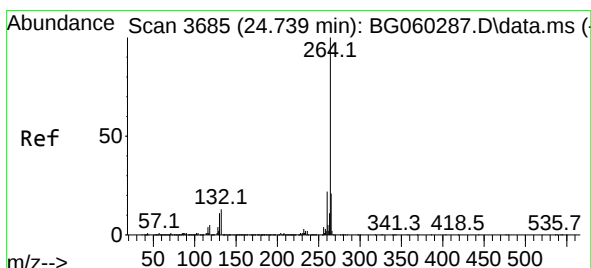
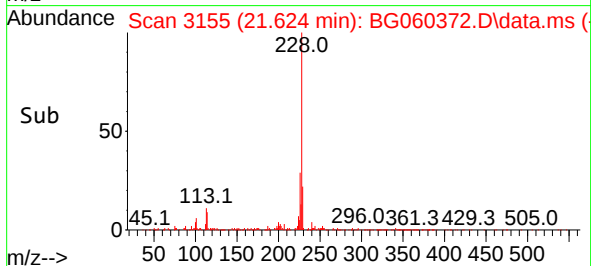
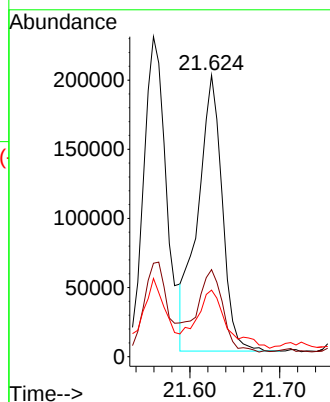
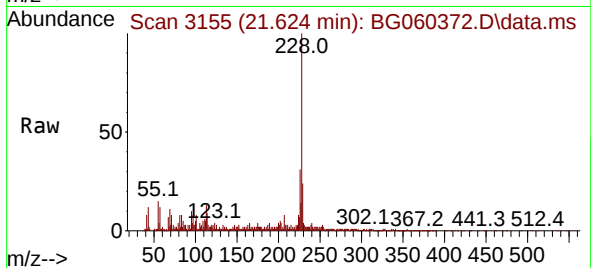
Tgt Ion:228 Resp: 378857

Ion Ratio Lower Upper

228 100

226 30.9 29.4 44.2

229 23.7 19.2 28.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.750 min Scan# 3687

Delta R.T. 0.011 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

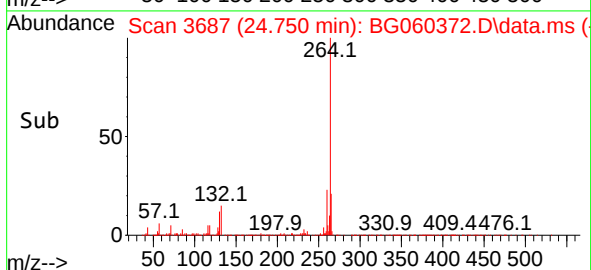
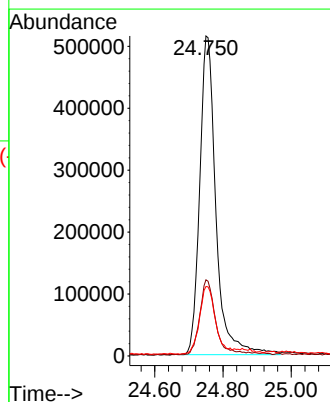
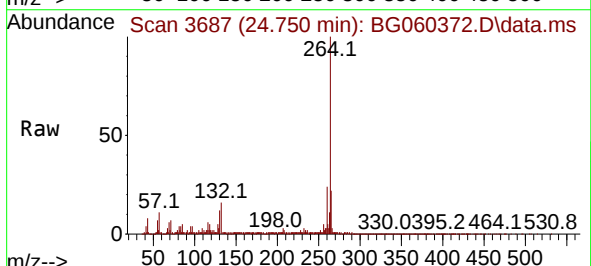
Tgt Ion:264 Resp: 1697186

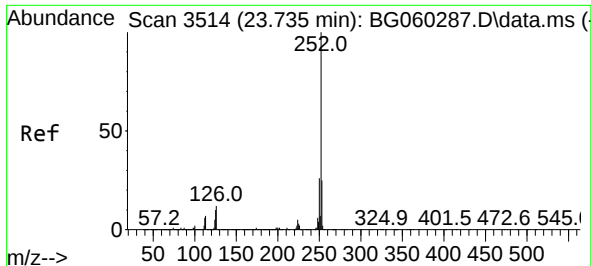
Ion Ratio Lower Upper

264 100

260 23.8 17.8 26.6

265 21.7 16.8 25.2

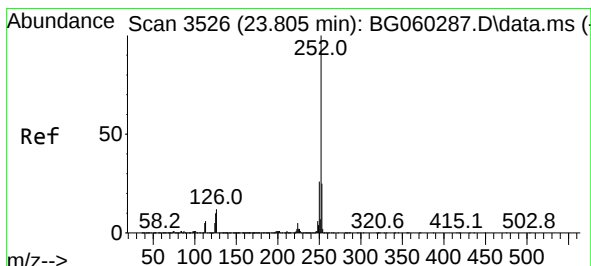
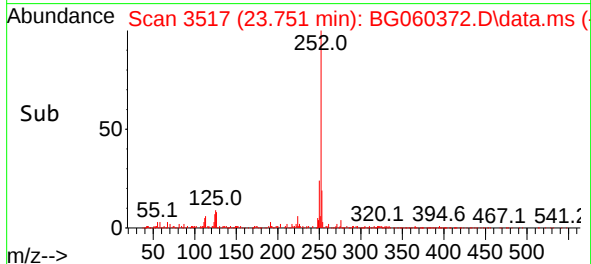
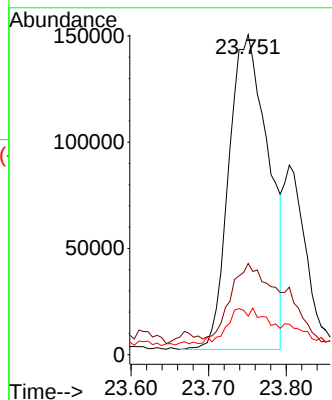
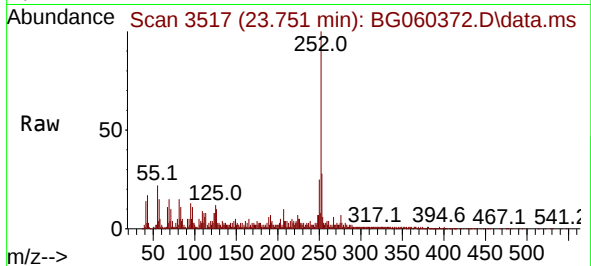




#88
Benzo(b)fluoranthene
Concen: 5.215 ng
RT: 23.751 min Scan# 3517
Delta R.T. 0.016 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

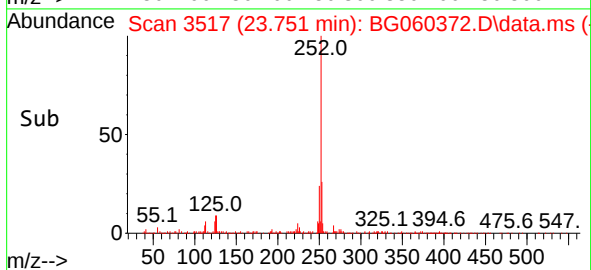
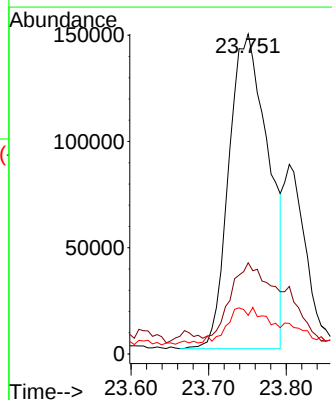
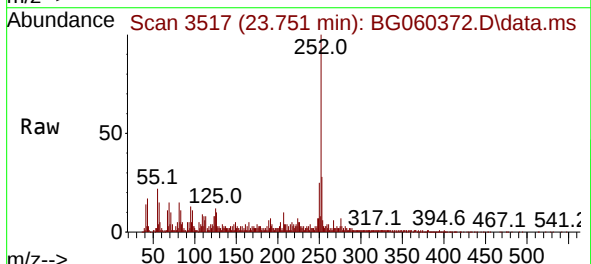
Instrument :
BNA_G
ClientSampleId :
EO-01-011824

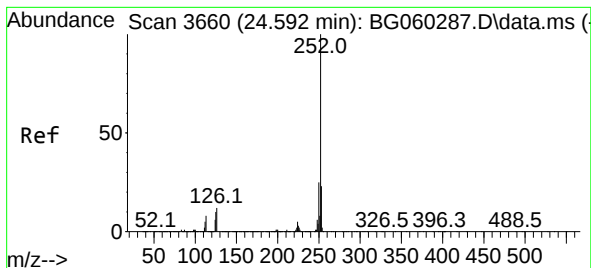
Tgt Ion:252 Resp: 522862
Ion Ratio Lower Upper
252 100
253 28.5 20.0 30.0
125 12.1 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 5.285 ng
RT: 23.751 min Scan# 3517
Delta R.T. -0.054 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion:252 Resp: 522862
Ion Ratio Lower Upper
252 100
253 28.5 19.6 29.4
125 12.1 8.2 12.2





#90

Benzo(a)pyrene

Concen: 4.559 ng

RT: 24.603 min Scan# 3

Delta R.T. 0.011 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Instrument :

BNA_G

ClientSampleId :

EO-01-011824

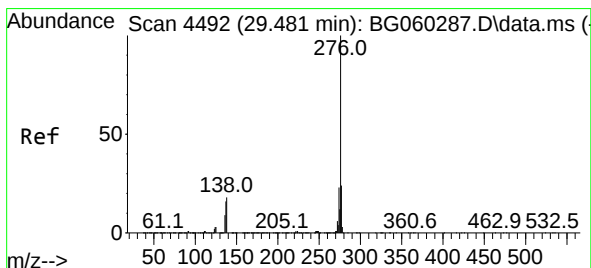
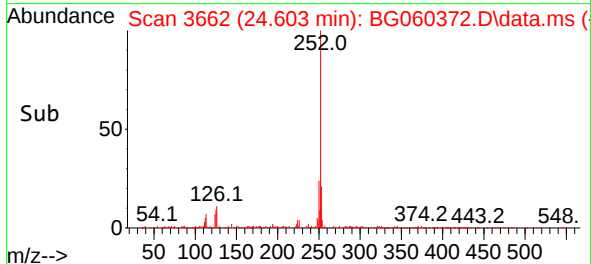
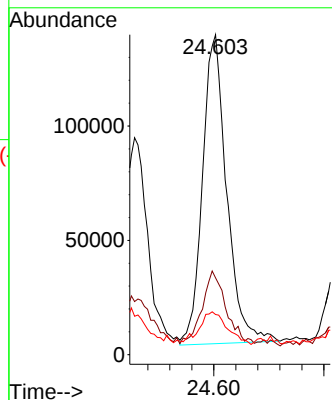
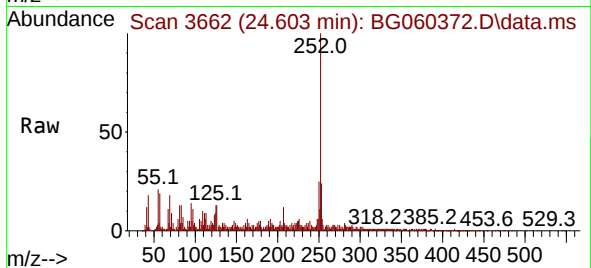
Tgt Ion:252 Resp: 412888

Ion Ratio Lower Upper

252 100

253 24.0 18.1 27.1

125 12.6 8.1 12.1#



#92

Benzo(g,h,i)perylene

Concen: 2.189 ng

RT: 29.503 min Scan# 4496

Delta R.T. 0.022 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Tgt Ion:276 Resp: 216191

Ion Ratio Lower Upper

276 100

277 26.7 19.4 29.0

138 21.2 14.2 21.4

