

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111222\
 Data File : BG055595.D
 Acq On : 12 Nov 2022 18:44
 Operator : CG/JU
 Sample : N5531-17DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-26DL

Quant Time: Nov 14 03:29:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

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

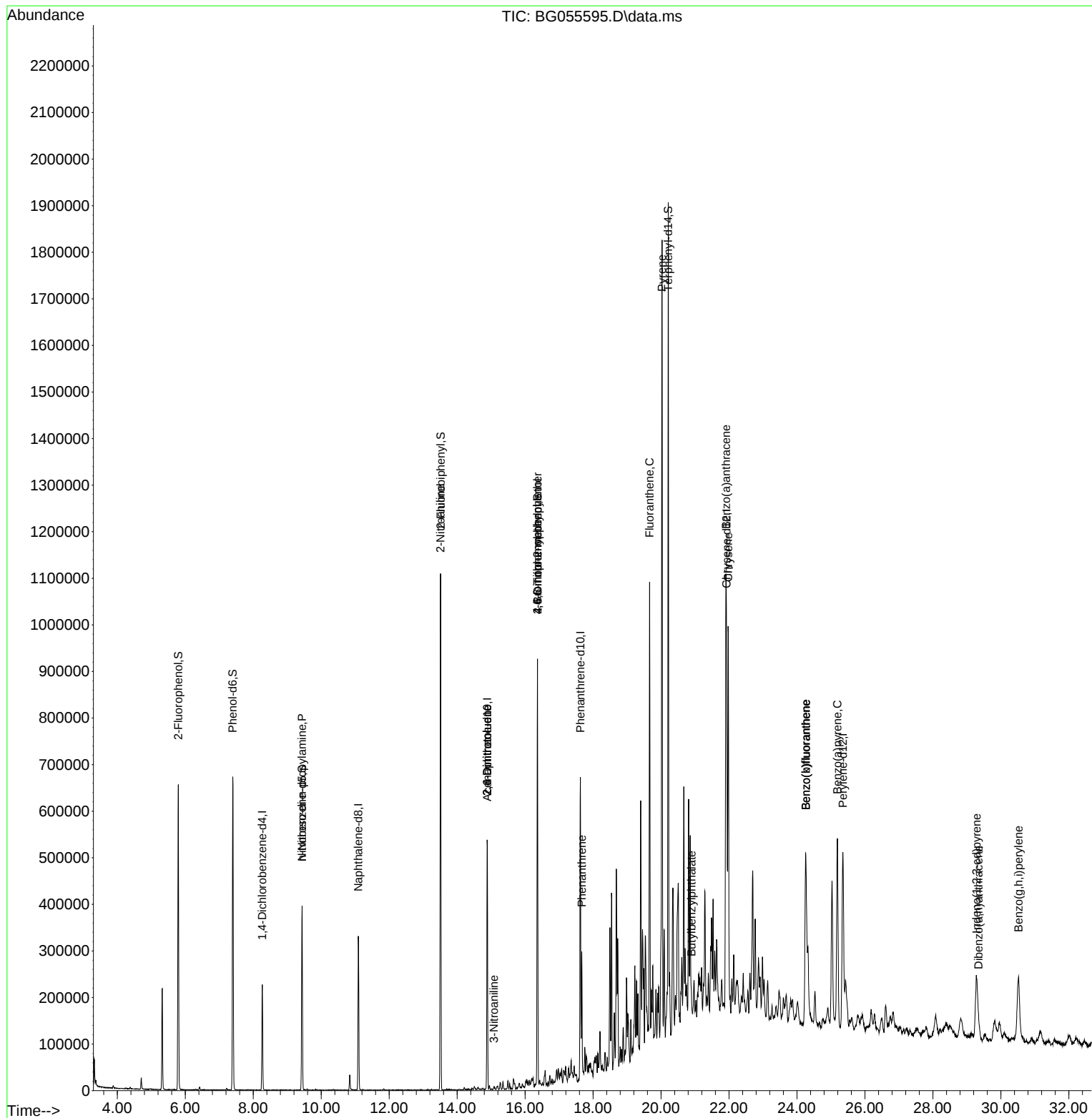
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.267	152	64060	20.000	ng	0.00
21) Naphthalene-d8	11.094	136	272845	20.000	ng	0.00
39) Acenaphthene-d10	14.889	164	193035	20.000	ng	0.00
64) Phenanthrene-d10	17.627	188	412555	20.000	ng	0.00
76) Chrysene-d12	21.928	240	383698	20.000	ng	0.00
86) Perylene-d12	25.353	264	415284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	277862	82.618	ng	0.00
7) Phenol-d6	7.398	99	377585	81.276	ng	0.00
23) Nitrobenzene-d5	9.437	82	225407	56.005	ng	0.00
42) 2,4,6-Tribromophenol	16.364	330	177848	94.427	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	577029	45.090	ng	0.00
79) Terphenyl-d14	20.212	244	865844	45.325	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.437	70	30510	7.947	ng	# 79
48) 2-Nitroaniline	13.508	65	917	4.088	ng	# 1
51) 2,6-Dinitrotoluene	14.883	165	25232	12.295	ng	# 24
53) 3-Nitroaniline	15.083	138	72	3.800	ng	# 1
57) 2,4-Dinitrotoluene	14.883	165	25232	10.472	ng	# 25
65) 4,6-Dinitro-2-methylph...	16.364	198	580	2.474	ng	97
67) 4-Bromophenyl-phenylether	16.364	248	11543	2.743	ng	# 1
71) Phenanthrene	17.668	178	167605	7.559	ng	99
75) Fluoranthene	19.666	202	580503	21.955	ng	99
78) Pyrene	20.030	202	1077029	41.475	ng	98
80) Butylbenzylphthalate	20.900	149	957	3.454	ng	# 56
81) Benzo(a)anthracene	21.910	228	596651	22.702	ng	97
83) Chrysene	21.975	228	603426	24.145	ng	99
87) Indeno(1,2,3-cd)pyrene	29.284	276	257693	8.147	ng	98
88) Benzo(b)fluoranthene	24.261	252	512770	19.488	ng	100
89) Benzo(k)fluoranthene	24.261	252	512880	19.066	ng	99
90) Benzo(a)pyrene	25.189	252	490805	21.654	ng	99
91) Dibenzo(a,h)anthracene	29.343	278	78763	3.008	ng	99
92) Benzo(g,h,i)perylene	30.524	276	306274	11.966	ng	98

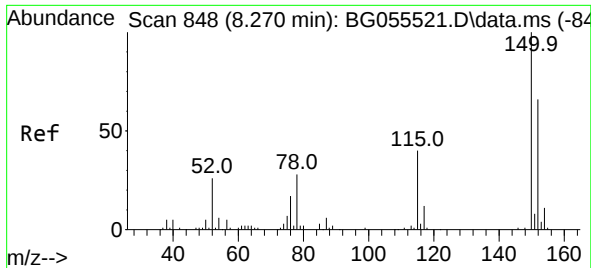
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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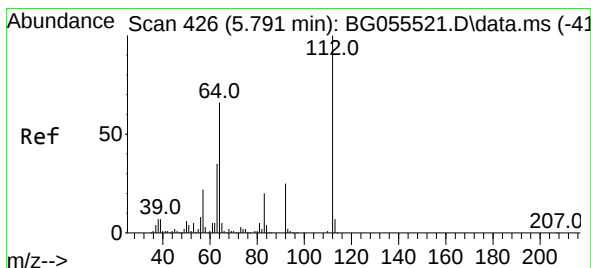
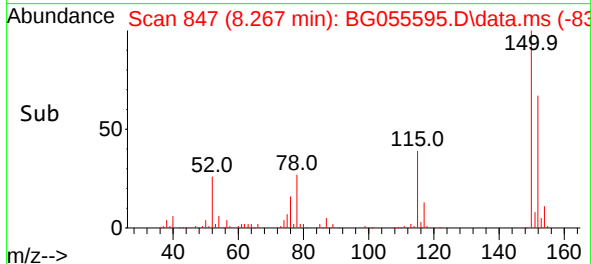
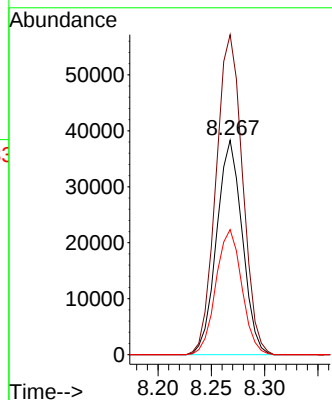
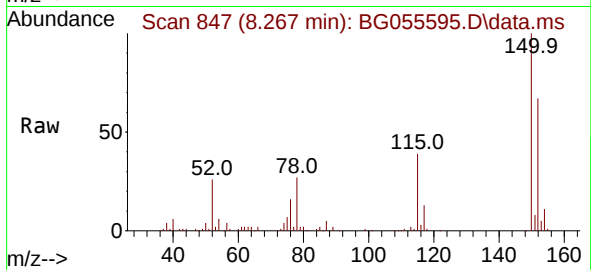




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.267 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

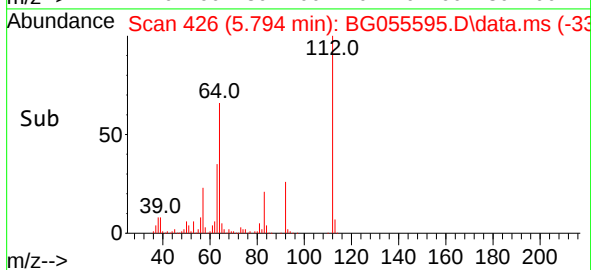
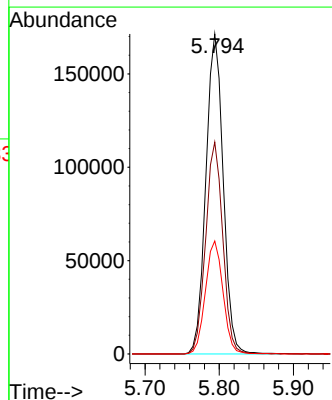
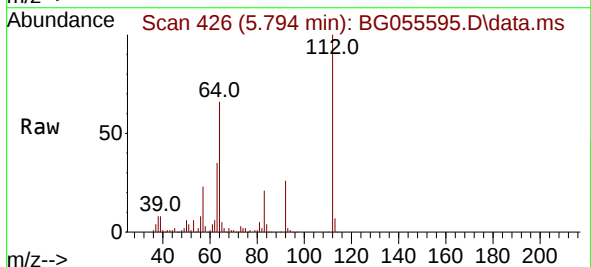
Instrument :
BNA_G
ClientSampleId :
SB-26DL

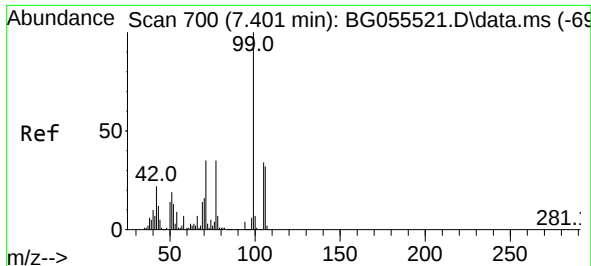
Tgt Ion:152 Resp: 64060
Ion Ratio Lower Upper
152 100
150 149.2 121.0 181.4
115 58.4 47.8 71.8



#5
2-Fluorophenol
Concen: 82.618 ng
RT: 5.794 min Scan# 426
Delta R.T. 0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:112 Resp: 277862
Ion Ratio Lower Upper
112 100
64 66.2 52.6 78.8
63 35.3 28.3 42.5

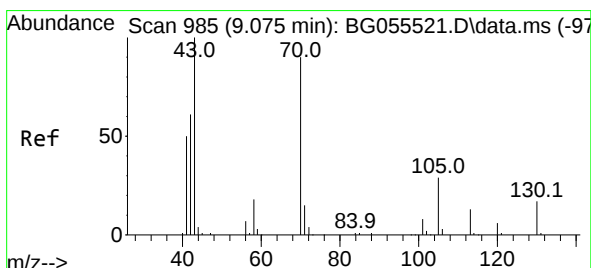
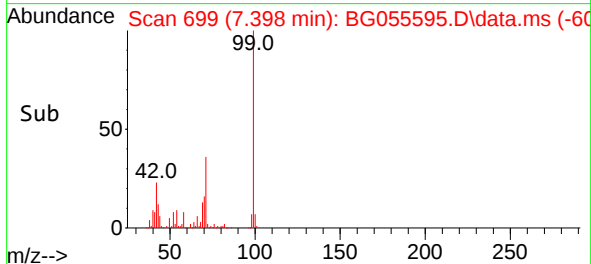
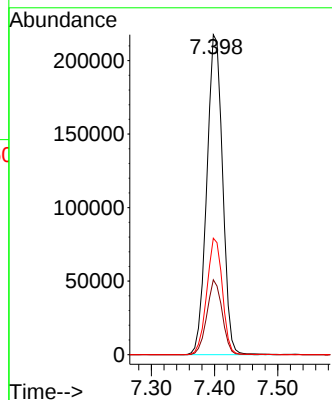
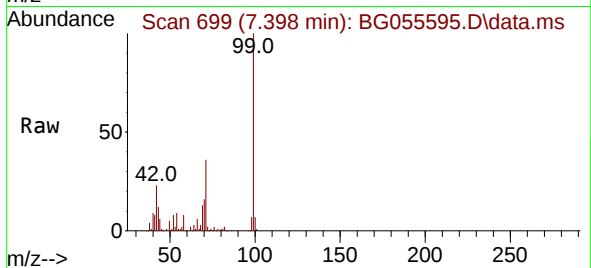




#7
Phenol-d6
Concen: 81.276 ng
RT: 7.398 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

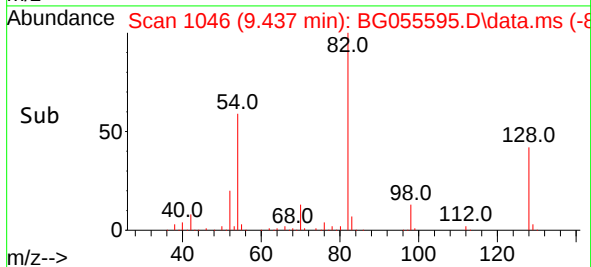
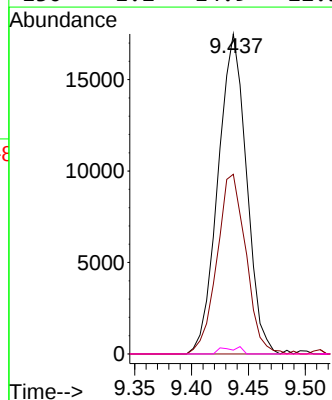
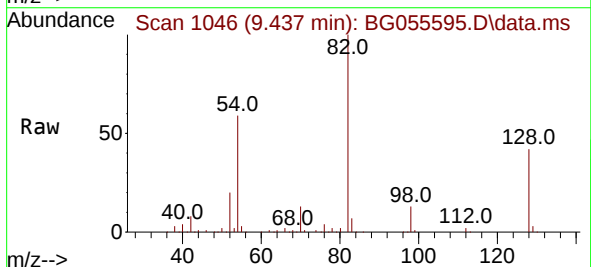
Instrument :
BNA_G
ClientSampleId :
SB-26DL

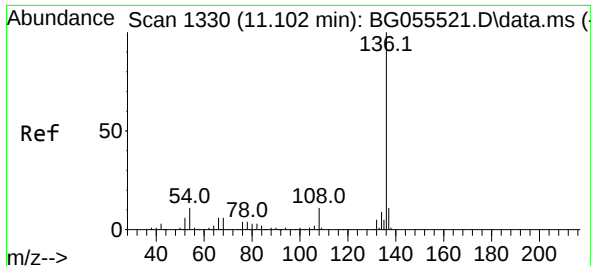
Tgt Ion: 99 Resp: 377585
Ion Ratio Lower Upper
99 100
42 23.4 17.5 26.3
71 36.4 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 7.947 ng
RT: 9.437 min Scan# 1046
Delta R.T. 0.362 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion: 70 Resp: 30510
Ion Ratio Lower Upper
70 100
42 56.1 54.8 82.2
101 0.0 6.8 10.2#
130 1.2 14.9 22.3#

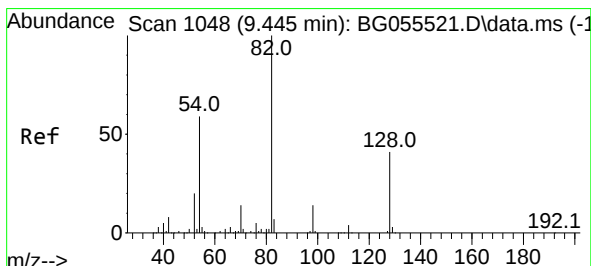
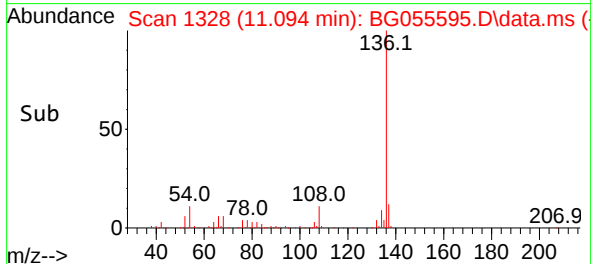
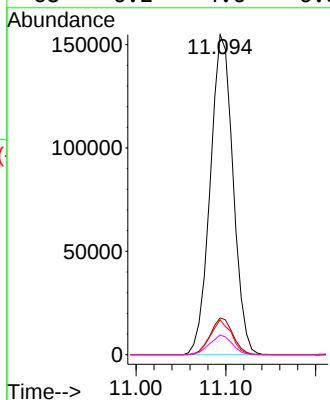
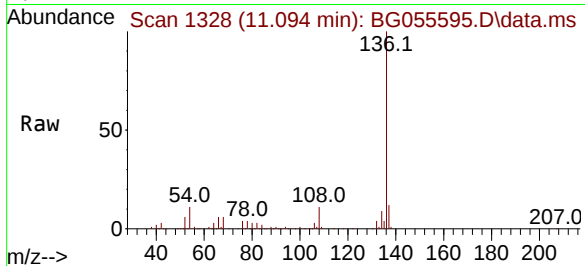




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.094 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

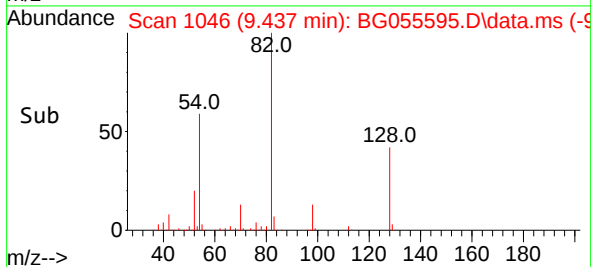
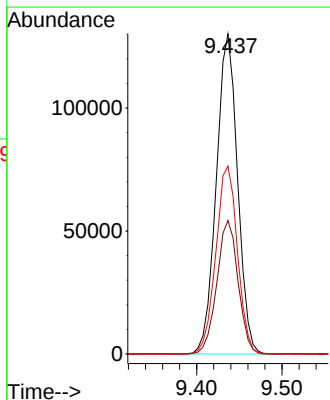
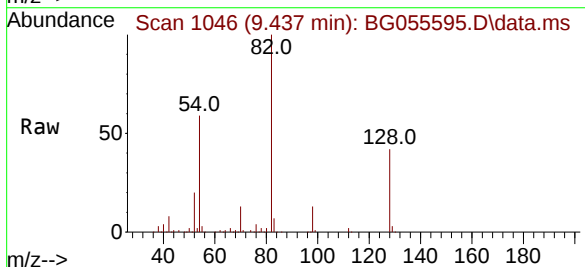
Instrument :
BNA_G
ClientSampleId :
SB-26DL

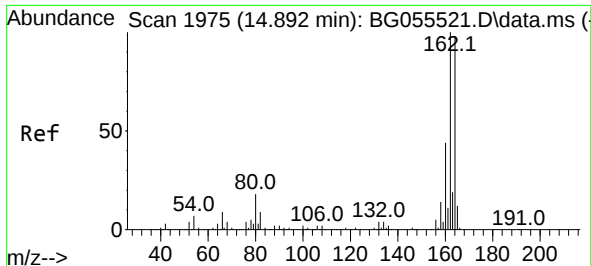
Tgt Ion:	136	Resp:	272845
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	12.8
54	10.9	8.6	12.8
68	6.2	4.6	6.8



#23
Nitrobenzene-d5
Concen: 56.005 ng
RT: 9.437 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:	82	Resp:	225407
Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.6	49.0
54	58.7	47.3	70.9

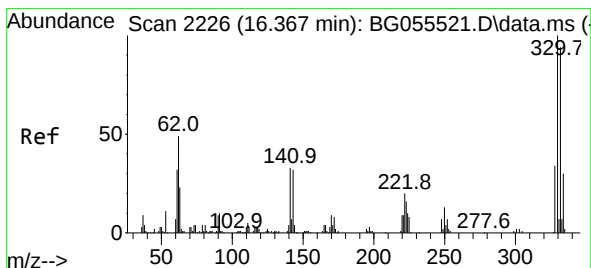
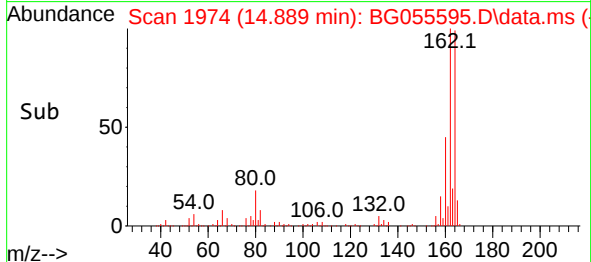
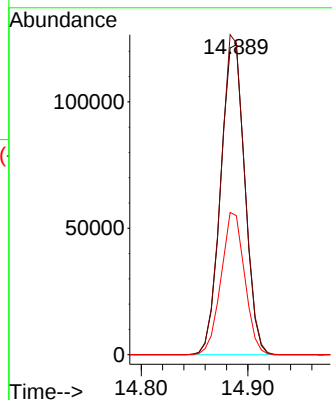
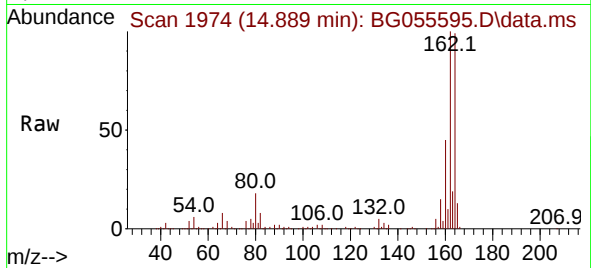




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.889 min Scan# 1974
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

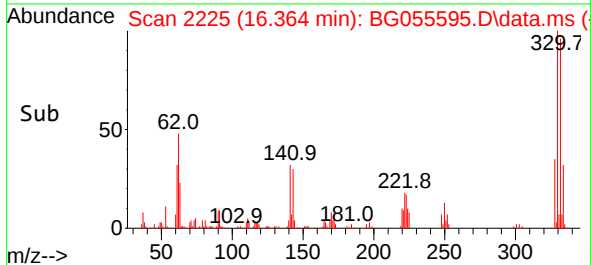
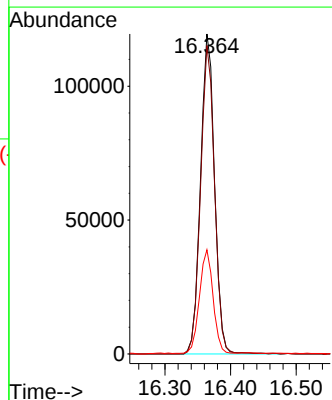
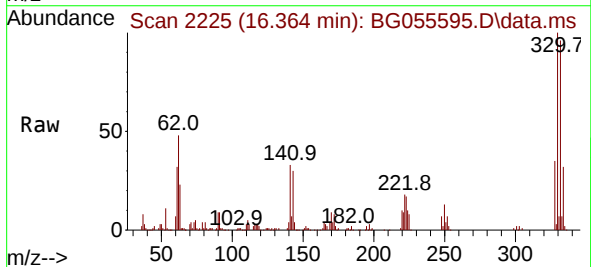
Instrument :
BNA_G
ClientSampleId :
SB-26DL

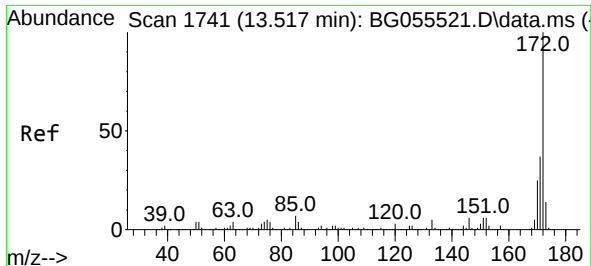
Tgt Ion:164 Resp: 193035
Ion Ratio Lower Upper
164 100
162 100.6 81.3 121.9
160 44.8 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 94.427 ng
RT: 16.364 min Scan# 2225
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:330 Resp: 177848
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.2
141 31.2 25.4 38.2

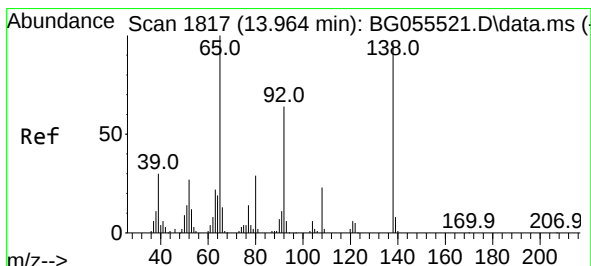
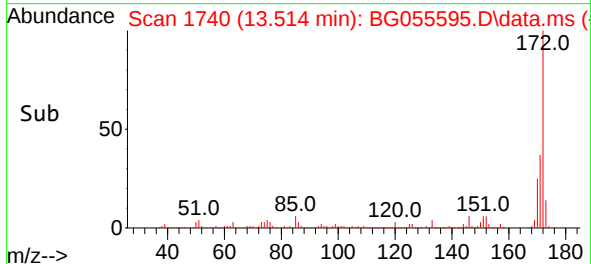
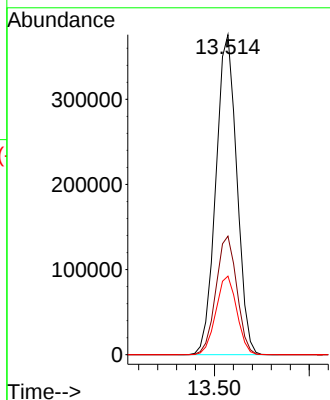
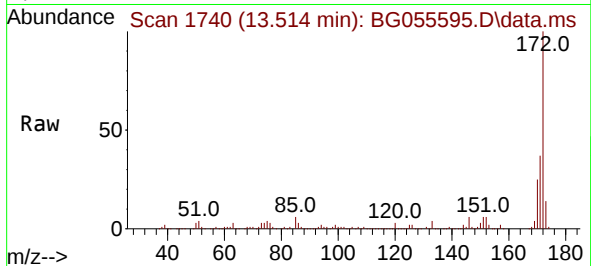




#45
2-Fluorobiphenyl
Concen: 45.090 ng
RT: 13.514 min Scan# 1739
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

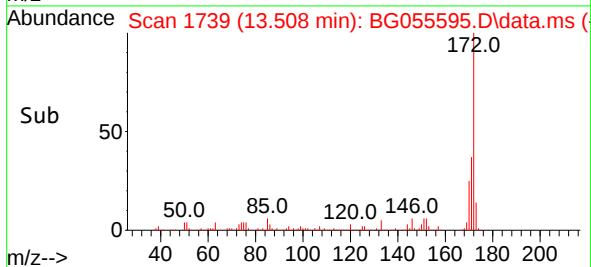
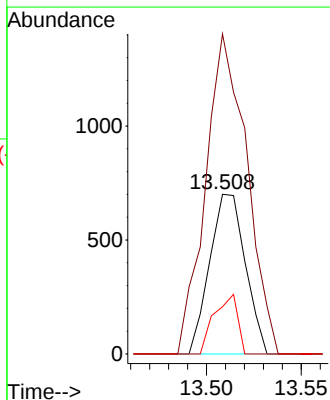
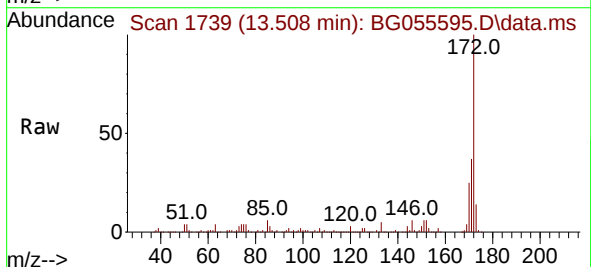
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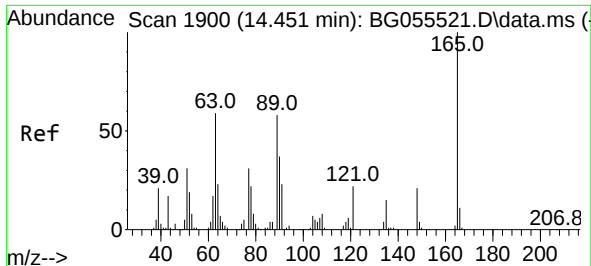
Tgt Ion:172 Resp: 577029
Ion Ratio Lower Upper
172 100
171 37.1 29.7 44.5
170 24.6 19.8 29.6



#48
2-Nitroaniline
Concen: 4.088 ng
RT: 13.508 min Scan# 1739
Delta R.T. -0.456 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion: 65 Resp: 917
Ion Ratio Lower Upper
65 100
92 200.3 51.6 77.4#
138 29.5 77.0 115.4#

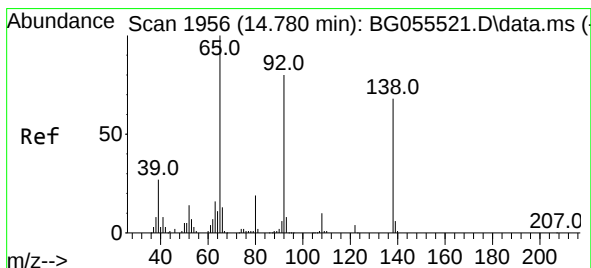
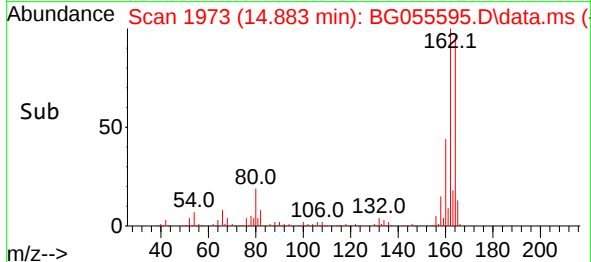
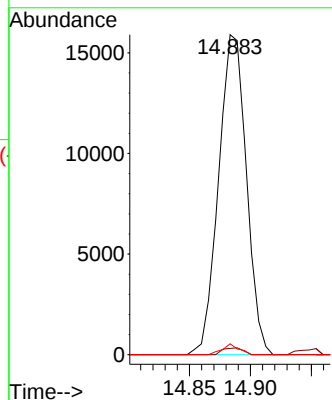
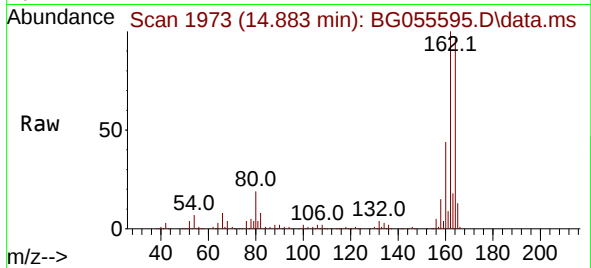




#51
2,6-Dinitrotoluene
Concen: 12.295 ng
RT: 14.883 min Scan# 1900
Delta R.T. 0.432 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

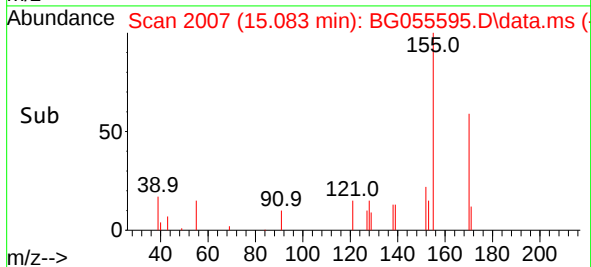
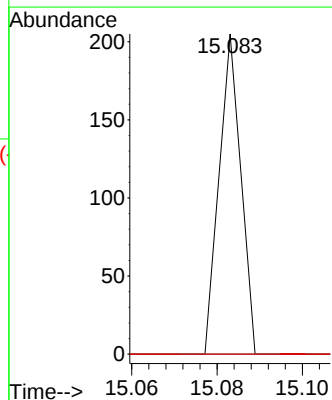
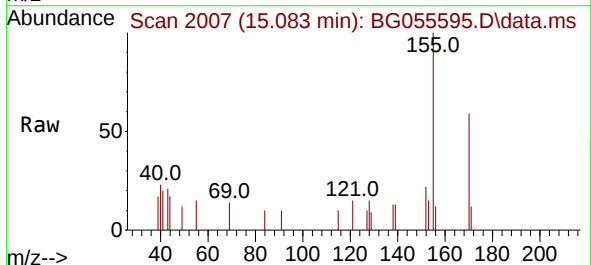
Instrument :
BNA_G
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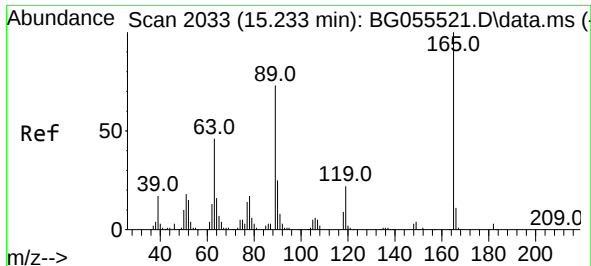
Tgt Ion:165 Resp: 25232
Ion Ratio Lower Upper
165 100
63 2.0 50.1 75.1#
89 3.4 46.5 69.7#



#53
3-Nitroaniline
Concen: 3.800 ng
RT: 15.083 min Scan# 2007
Delta R.T. 0.303 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:138 Resp: 72
Ion Ratio Lower Upper
138 100
108 0.0 11.7 17.5#
92 0.0 94.3 141.5#





#57

2,4-Dinitrotoluene

Concen: 10.472 ng

RT: 14.883 min Scan# 14

Delta R.T. -0.350 min

Lab File: BG055595.D

Acq: 12 Nov 2022 18:44

Instrument :

BNA_G

ClientSampleId :

SB-26DL

Tgt Ion:165 Resp: 25232

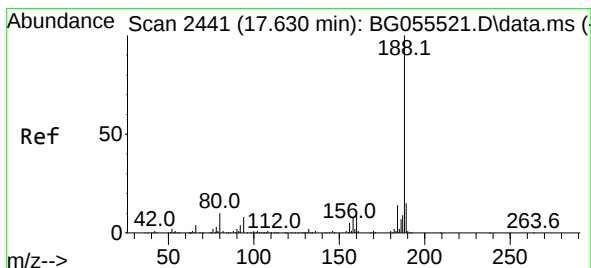
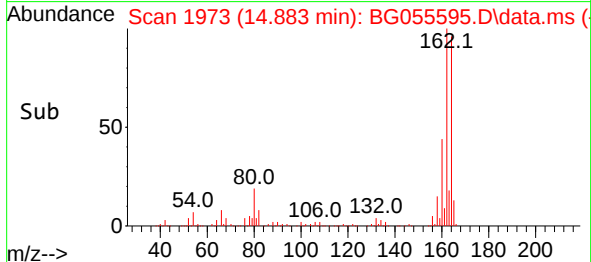
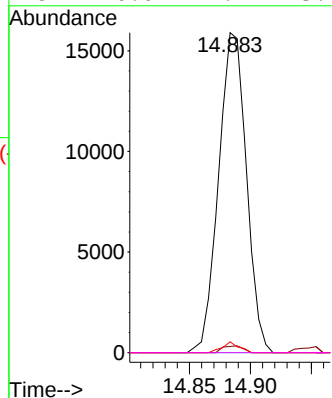
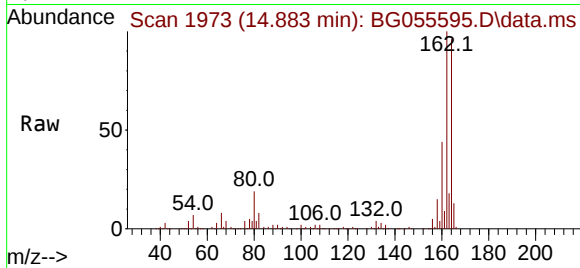
Ion Ratio Lower Upper

165 100

63 2.0 37.0 55.4#

89 3.4 58.6 87.8#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.627 min Scan# 2440

Delta R.T. -0.003 min

Lab File: BG055595.D

Acq: 12 Nov 2022 18:44

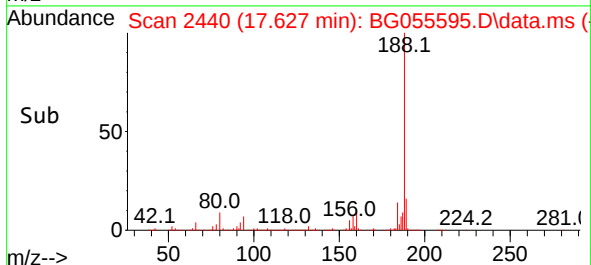
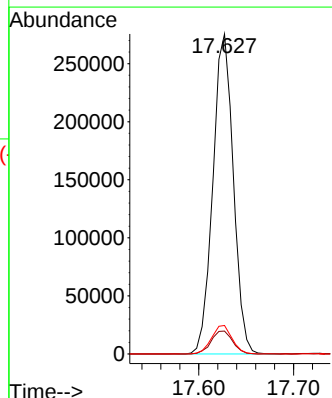
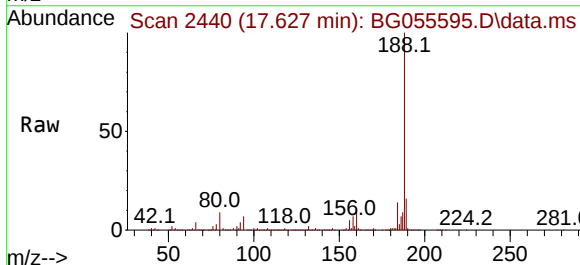
Tgt Ion:188 Resp: 412555

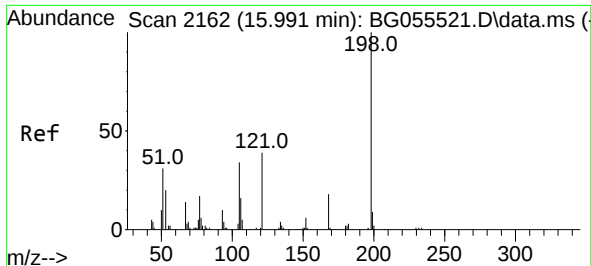
Ion Ratio Lower Upper

188 100

94 7.2 6.4 9.6

80 8.9 7.6 11.4

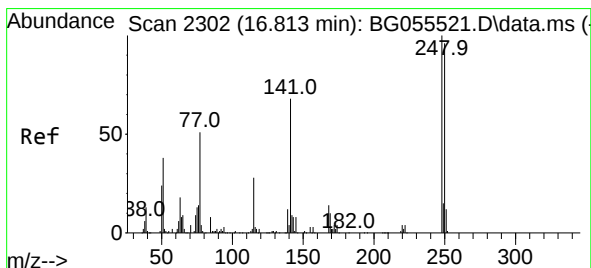
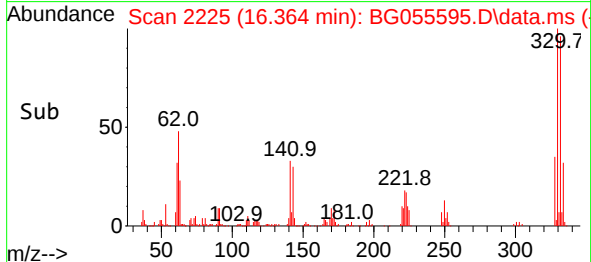
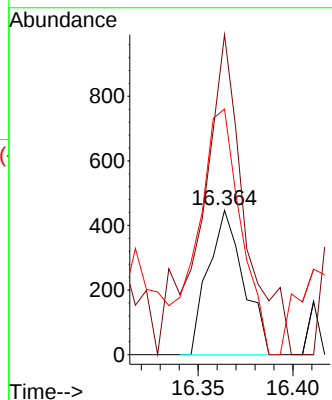
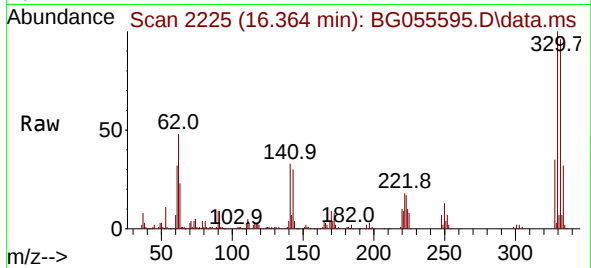




#65
4,6-Dinitro-2-methylphenol
Concen: 2.474 ng
RT: 16.364 min Scan# 2162
Delta R.T. 0.373 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

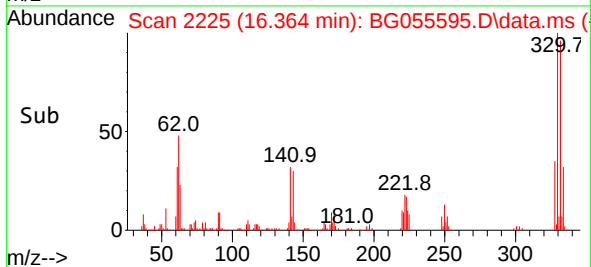
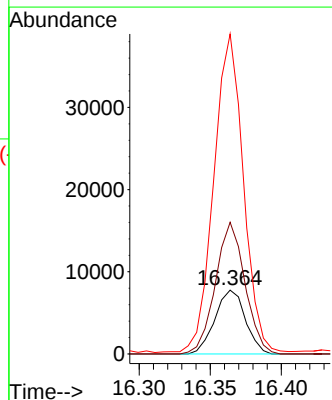
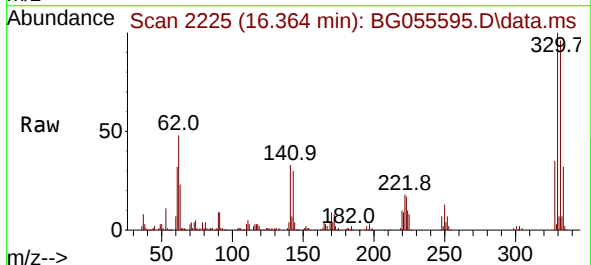
Instrument :
BNA_G
ClientSampleId :
SB-26DL

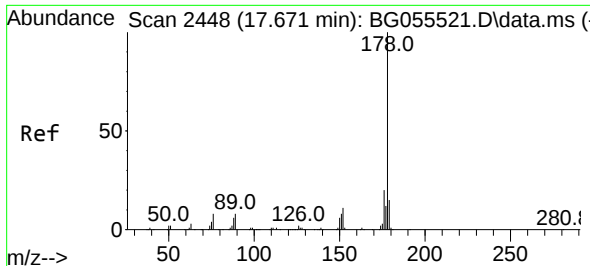
Tgt Ion:198 Resp: 580
Ion Ratio Lower Upper
198 100
51 46.3 24.7 64.7
105 35.6 17.6 57.6



#67
4-Bromophenyl-phenylether
Concen: 2.743 ng
RT: 16.364 min Scan# 2225
Delta R.T. -0.449 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:248 Resp: 11543
Ion Ratio Lower Upper
248 100
250 206.1 76.9 115.3#
141 500.9 54.3 81.5#

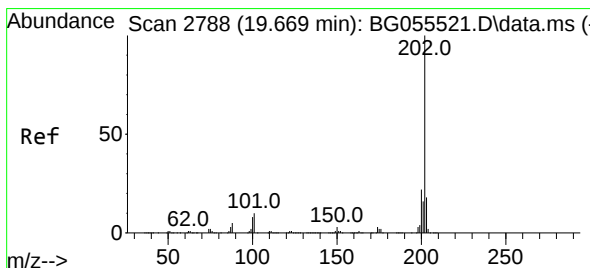
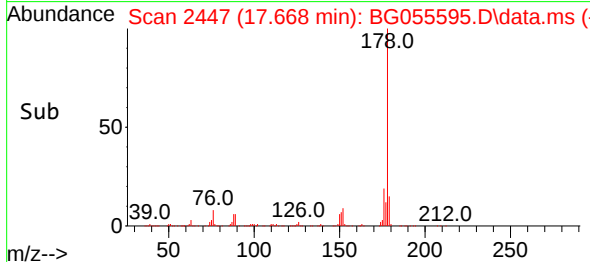
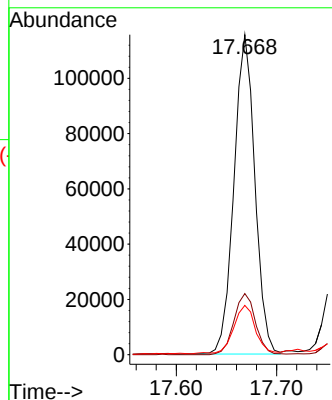
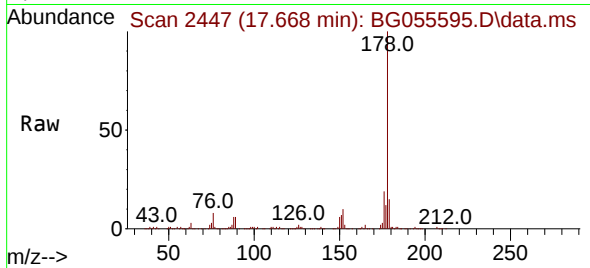




#71
Phenanthrene
Concen: 7.559 ng
RT: 17.668 min Scan# 2448
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

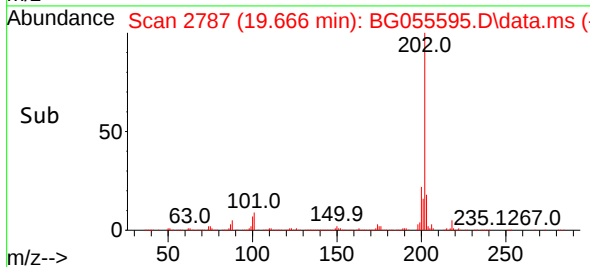
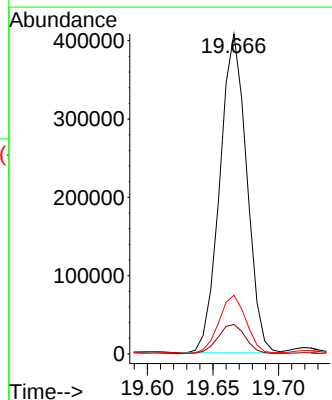
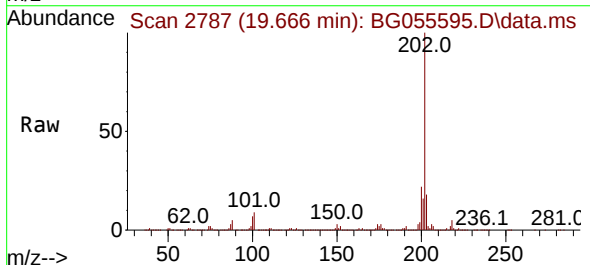
Instrument :
BNA_G
ClientSampleId :
SB-26DL

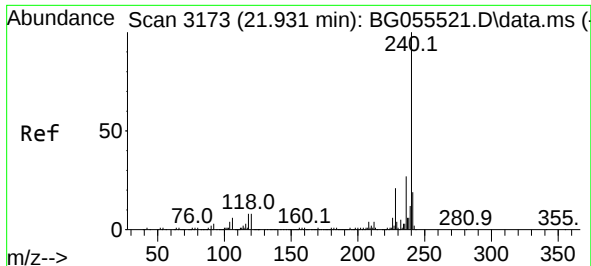
Tgt Ion:178 Resp: 167605
Ion Ratio Lower Upper
178 100
176 19.1 16.1 24.1
179 15.4 12.2 18.4



#75
Fluoranthene
Concen: 21.955 ng
RT: 19.666 min Scan# 2787
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:202 Resp: 580503
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.8
203 18.4 0.0 38.2

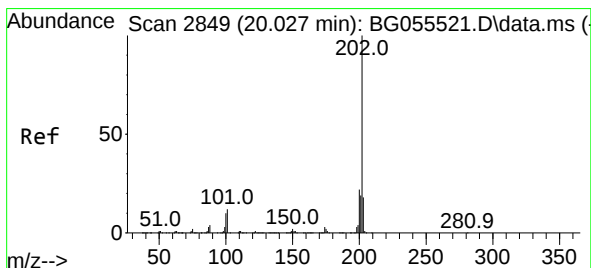
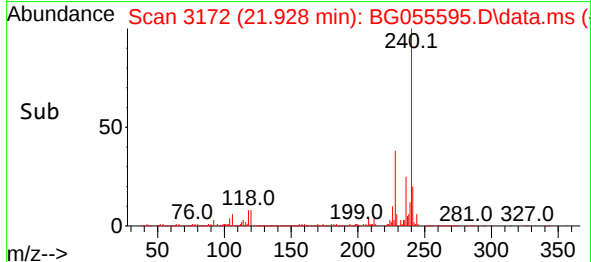
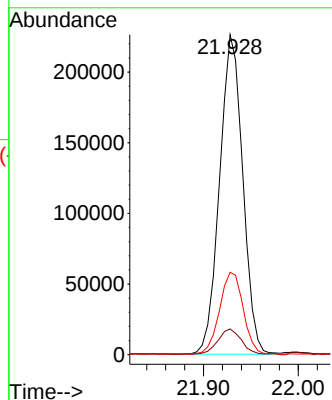
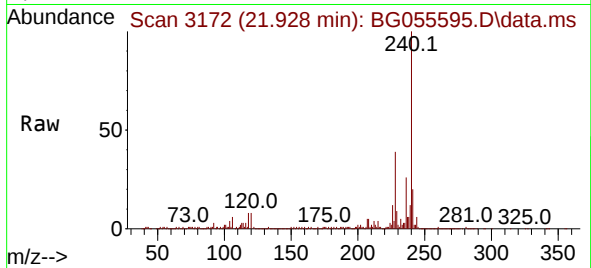




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.928 min Scan# 3173
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

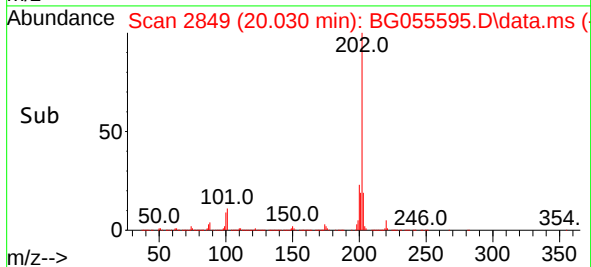
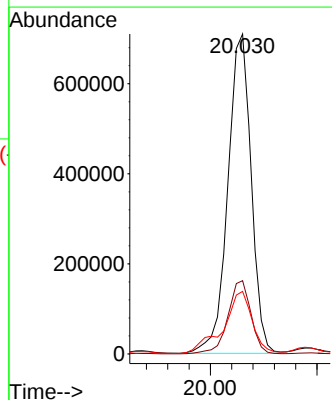
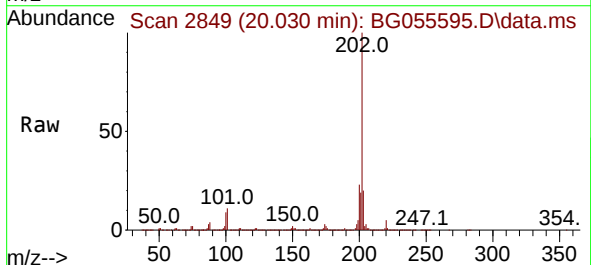
Instrument :
BNA_G
ClientSampleId :
SB-26DL

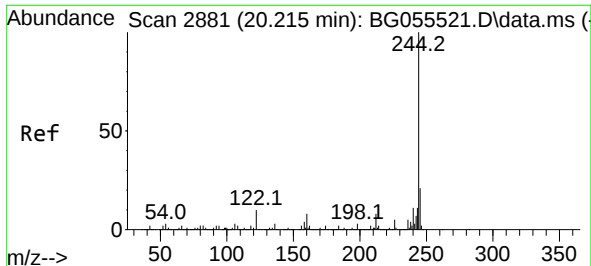
Tgt Ion:240 Resp: 383698
Ion Ratio Lower Upper
240 100
120 8.0 6.1 9.1
236 25.8 21.4 32.0



#78
Pyrene
Concen: 41.475 ng
RT: 20.030 min Scan# 2849
Delta R.T. 0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:202 Resp: 1077029
Ion Ratio Lower Upper
202 100
200 22.9 18.0 27.0
203 19.5 14.2 21.2

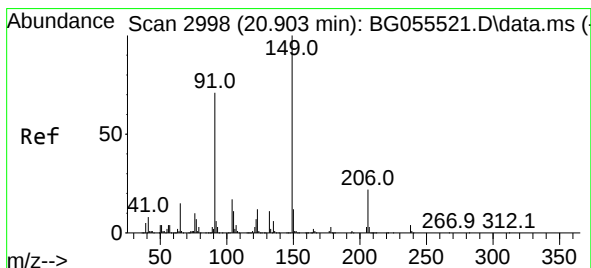
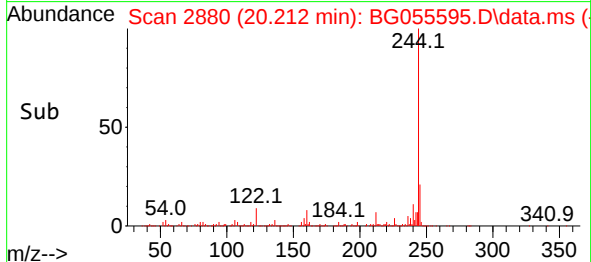
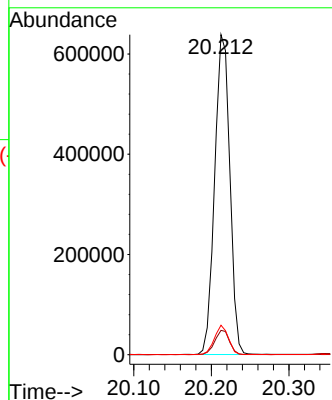
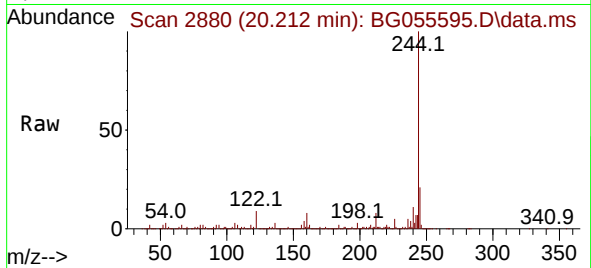




#79
 Terphenyl-d14
 Concen: 45.325 ng
 RT: 20.212 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG055595.D
 Acq: 12 Nov 2022 18:44

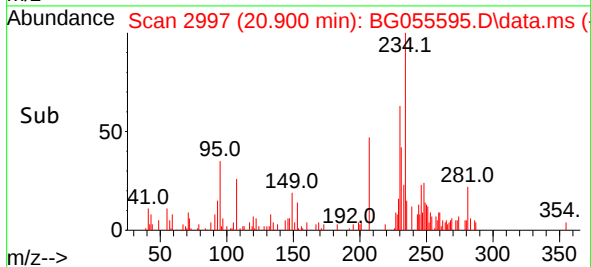
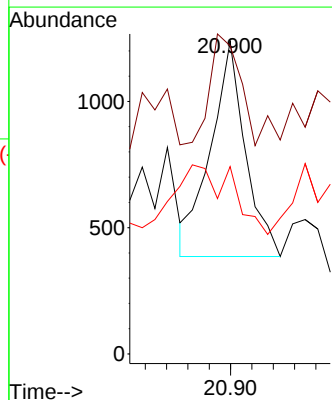
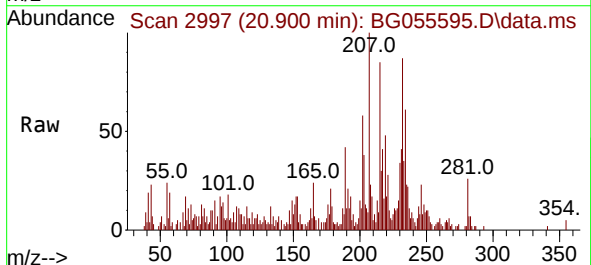
Instrument :
 BNA_G
 ClientSampleId :
 SB-26DL

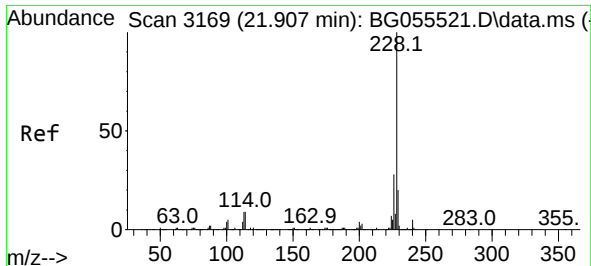
Tgt Ion:244 Resp: 865844
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 9.2 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 3.454 ng
 RT: 20.900 min Scan# 2997
 Delta R.T. -0.003 min
 Lab File: BG055595.D
 Acq: 12 Nov 2022 18:44

Tgt Ion:149 Resp: 957
 Ion Ratio Lower Upper
 149 100
 91 98.5 56.8 85.2#
 206 59.9 17.3 25.9#

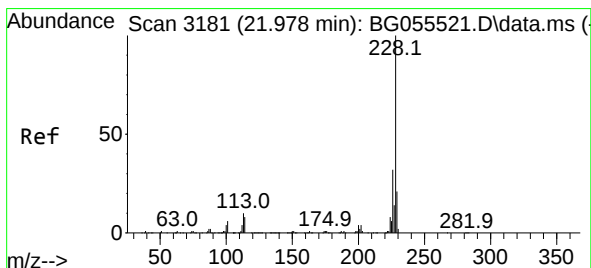
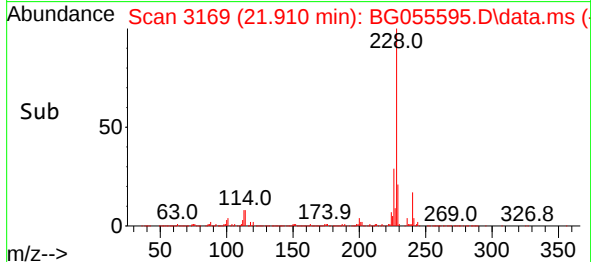
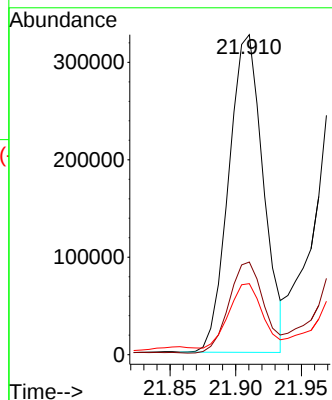
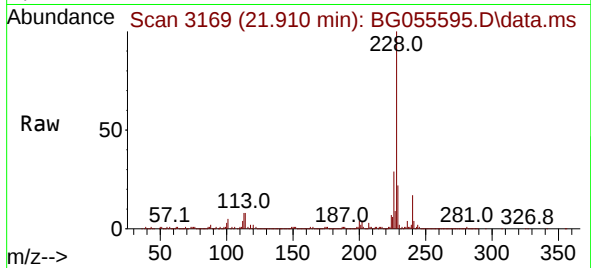




#81
Benzo(a)anthracene
Concen: 22.702 ng
RT: 21.910 min Scan# 3169
Delta R.T. 0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

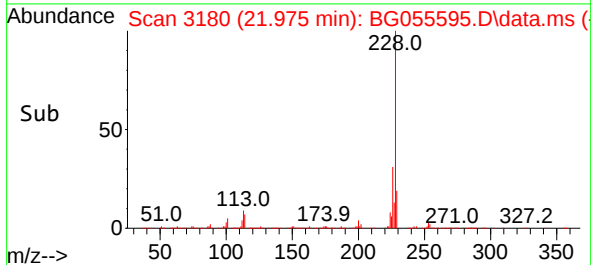
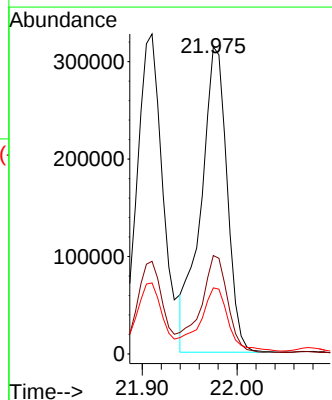
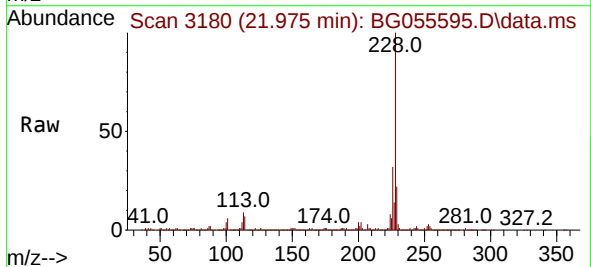
Instrument :
BNA_G
ClientSampleId :
SB-26DL

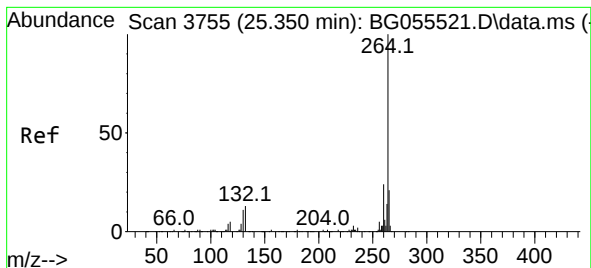
Tgt Ion:228 Resp: 596651
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 22.2 16.1 24.1



#83
Chrysene
Concen: 24.145 ng
RT: 21.975 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:228 Resp: 603426
Ion Ratio Lower Upper
228 100
226 32.0 25.7 38.5
229 21.5 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.353 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG055595.D

Acq: 12 Nov 2022 18:44

Instrument :

BNA_G

ClientSampleId :

SB-26DL

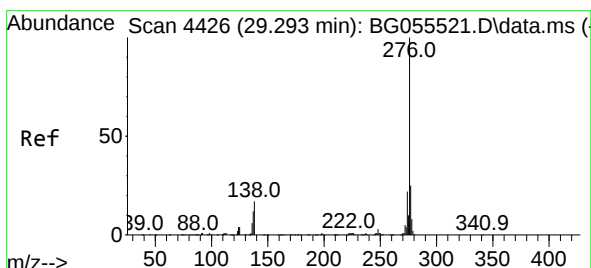
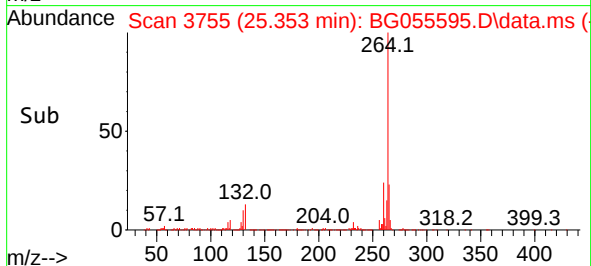
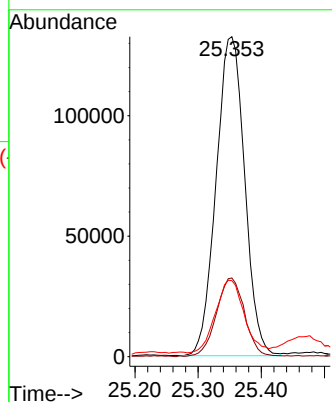
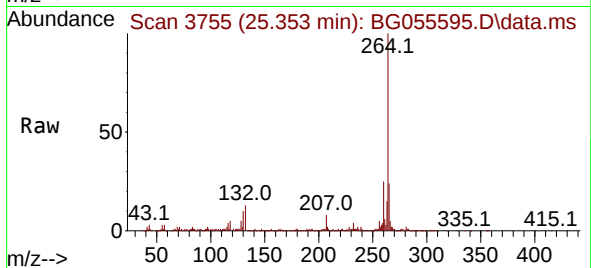
Tgt Ion:264 Resp: 415284

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

265 23.8 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.147 ng

RT: 29.284 min Scan# 4424

Delta R.T. -0.009 min

Lab File: BG055595.D

Acq: 12 Nov 2022 18:44

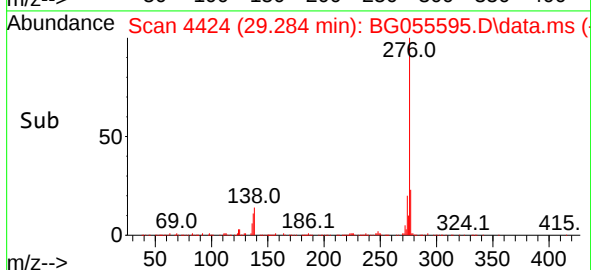
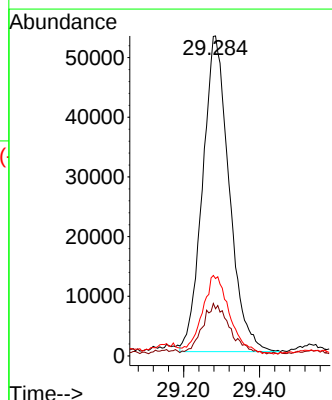
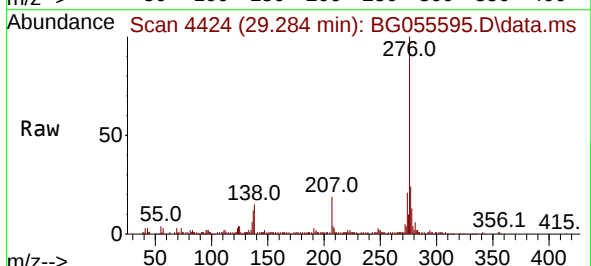
Tgt Ion:276 Resp: 257693

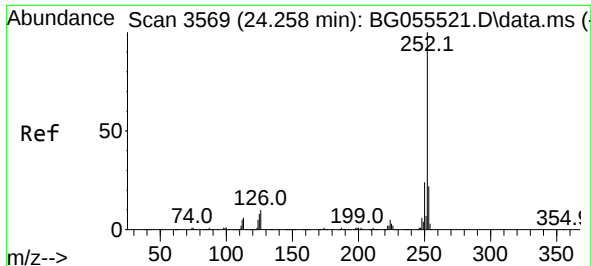
Ion Ratio Lower Upper

276 100

138 16.6 11.5 17.3

277 25.3 20.4 30.6

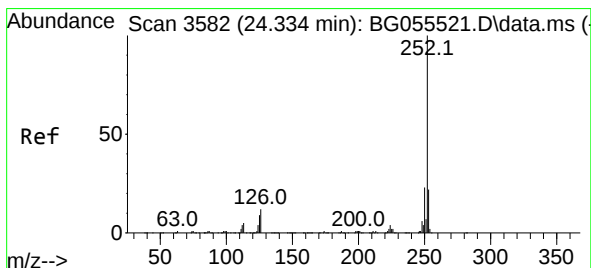
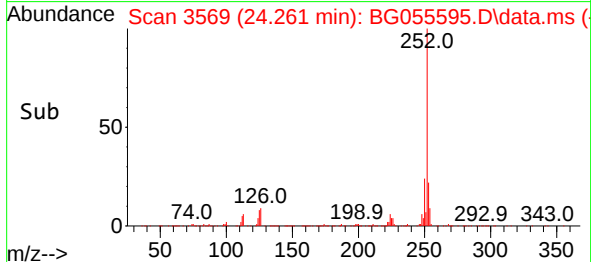
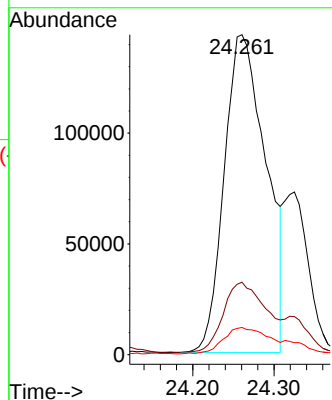
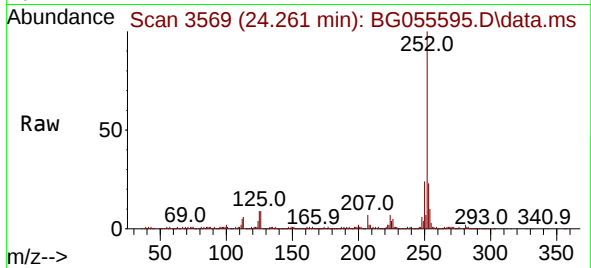




#88
Benzo(b)fluoranthene
Concen: 19.488 ng
RT: 24.261 min Scan# 3569
Delta R.T. 0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

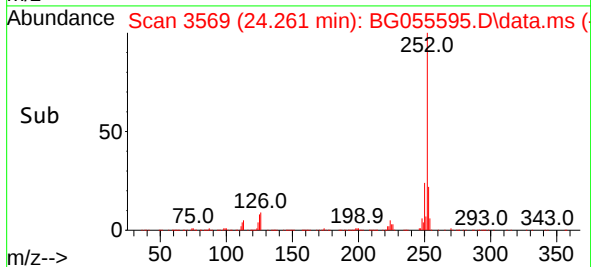
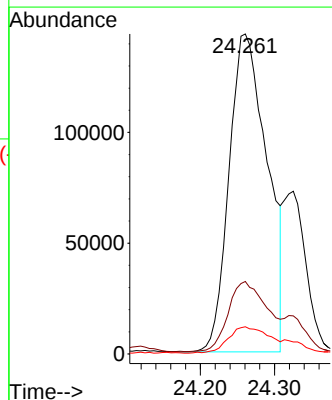
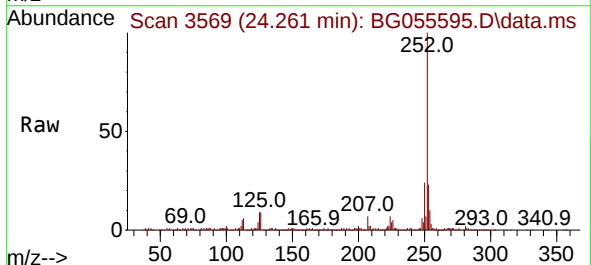
Instrument :
BNA_G
ClientSampleId :
SB-26DL

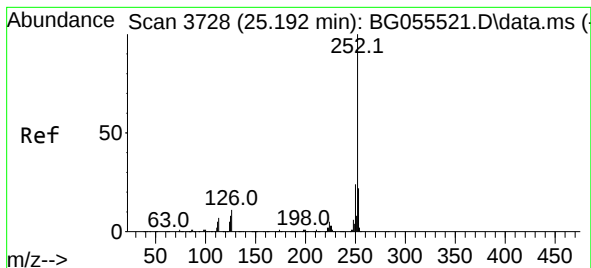
Tgt Ion:252 Resp: 512770
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 8.5 6.7 10.1



#89
Benzo(k)fluoranthene
Concen: 19.066 ng
RT: 24.261 min Scan# 3569
Delta R.T. -0.073 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:252 Resp: 512880
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 8.5 6.9 10.3





#90

Benzo(a)pyrene

Concen: 21.654 ng

RT: 25.189 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG055595.D

Acq: 12 Nov 2022 18:44

Instrument :

BNA_G

ClientSampleId :

SB-26DL

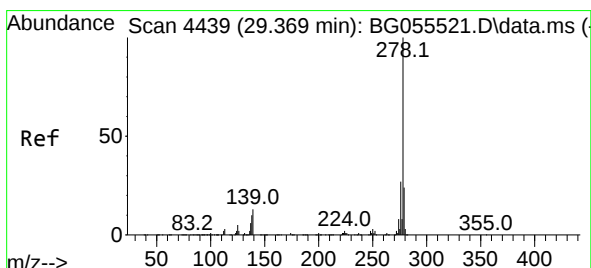
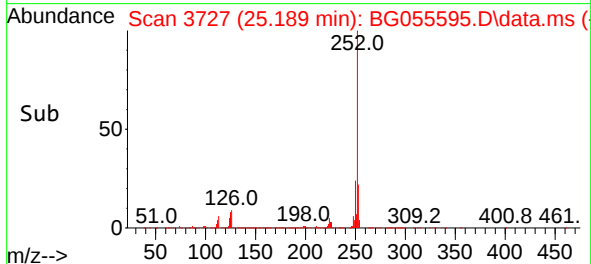
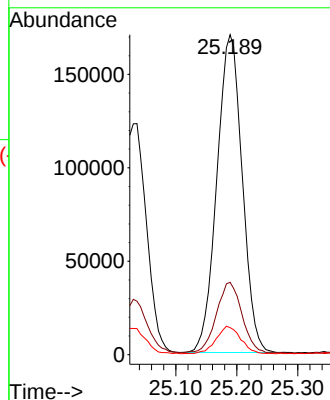
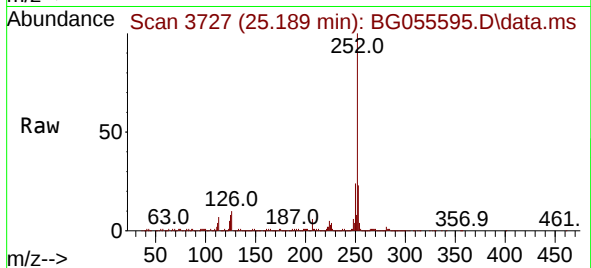
Tgt Ion:252 Resp: 490805

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 8.5 6.7 10.1



#91

Dibenzo(a,h)anthracene

Concen: 3.008 ng

RT: 29.343 min Scan# 4434

Delta R.T. -0.026 min

Lab File: BG055595.D

Acq: 12 Nov 2022 18:44

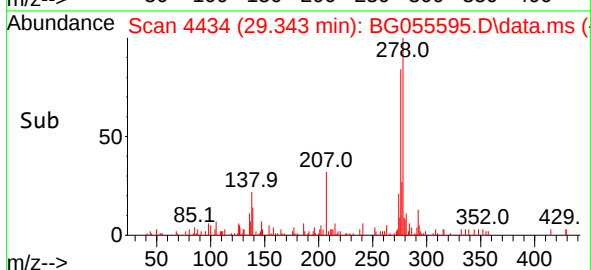
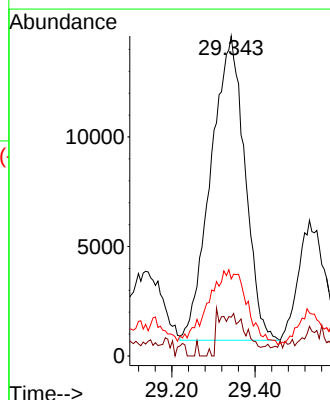
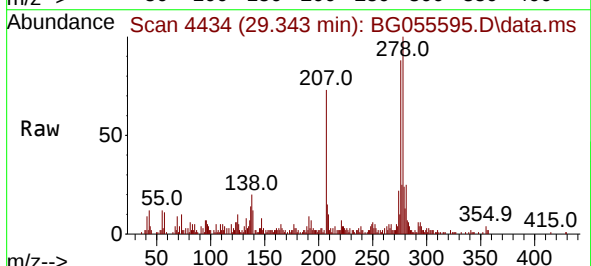
Tgt Ion:278 Resp: 78763

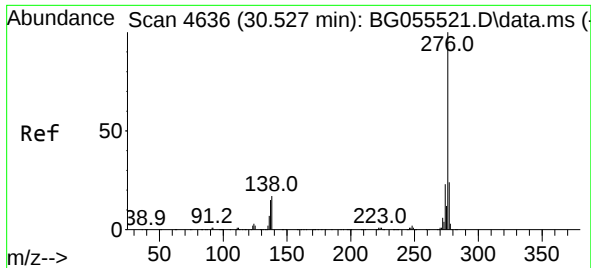
Ion Ratio Lower Upper

278 100

139 12.1 10.6 15.8

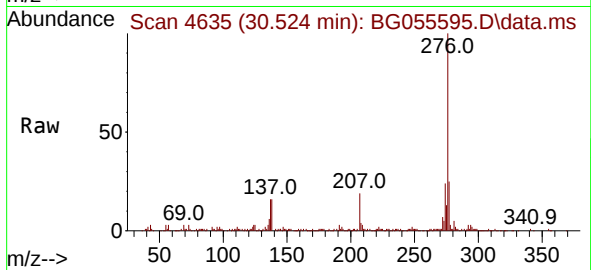
279 24.0 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 11.966 ng
 RT: 30.524 min Scan# 4
 Delta R.T. -0.003 min
 Lab File: BG055595.D
 Acq: 12 Nov 2022 18:44

Instrument :
 BNA_G
 ClientSampleId :
 SB-26DL



Tgt Ion:276 Resp: 306274
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.3 28.9
 138 16.4 13.9 20.9

