

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022822\
 Data File : BG052495.D
 Acq On : 28 Feb 2022 10:58
 Operator : CG/JU
 Sample : PB142946BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB142946BL

Quant Time: Mar 01 00:58:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 08 01:21:20 2022
 Response via : Initial Calibration

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

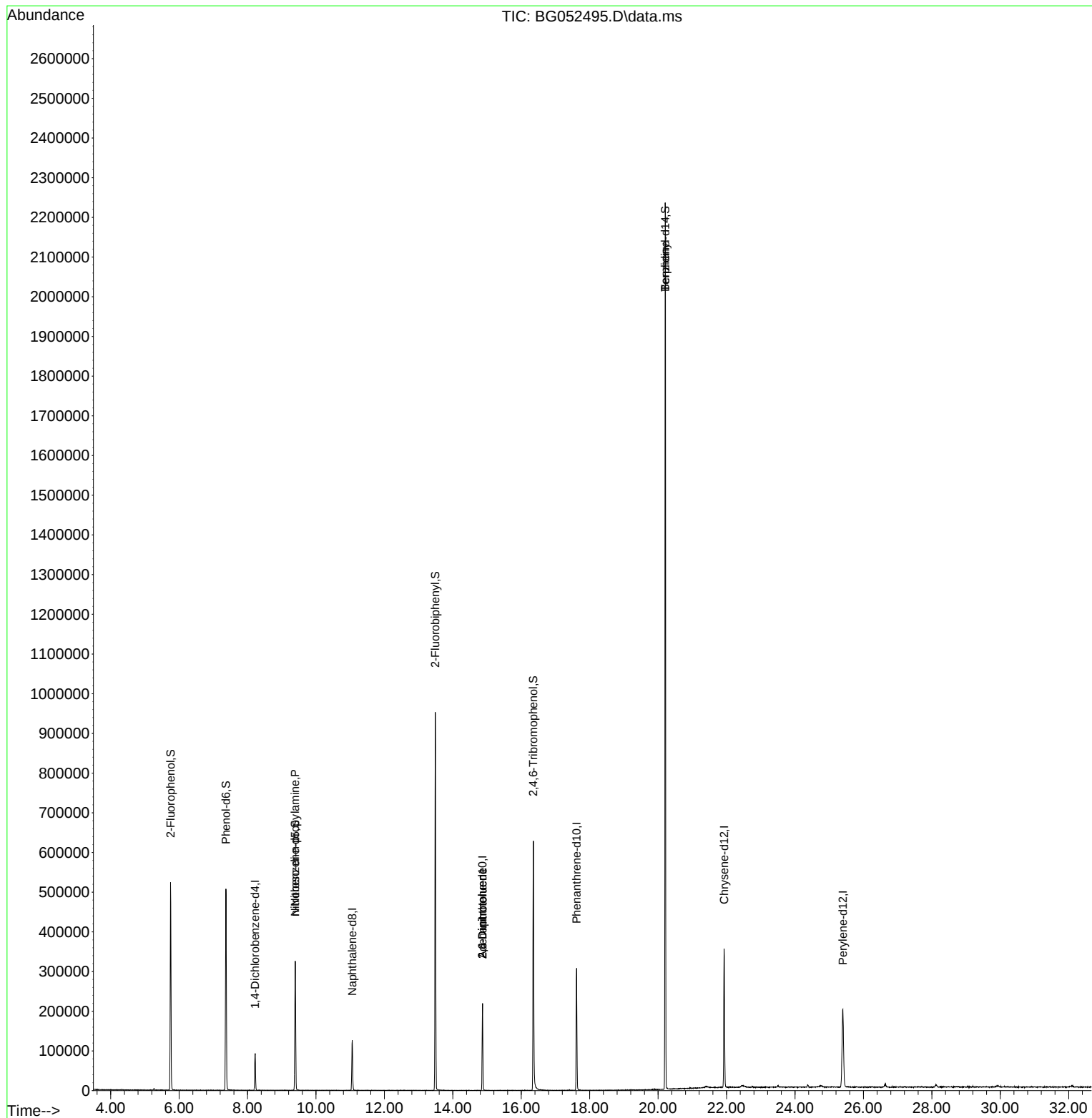
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	27992	20.000	ng	0.00
21) Naphthalene-d8	11.060	136	111471	20.000	ng	0.00
39) Acenaphthene-d10	14.867	164	79795	20.000	ng	0.00
64) Phenanthrene-d10	17.616	188	207990	20.000	ng	0.00
76) Chrysene-d12	21.928	240	237959	20.000	ng	#-0.01
86) Perylene-d12	25.399	264	235605	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	228746	142.424	ng	0.00
7) Phenol-d6	7.365	99	308001	124.288	ng	0.00
23) Nitrobenzene-d5	9.392	82	208585	81.325	ng	0.00
42) 2,4,6-Tribromophenol	16.353	330	145727	127.119	ng	0.00
45) 2-Fluorobiphenyl	13.486	172	510444	88.888	ng	0.00
79) Terphenyl-d14	20.212	244	1161595	86.201	ng	0.00
Target Compounds						
9) Benzaldehyde	7.365	77	396	Below Cal	Qvalue	# 8
19) n-Nitroso-di-n-propyla...	9.392	70	29108	15.580	ng	# 74
51) 2,6-Dinitrotoluene	14.867	165	11283	8.554	ng	# 16
57) 2,4-Dinitrotoluene	14.867	165	11283	6.010	ng	# 15
77) Benzidine	20.207	184	15983	3.143	ng	# 93

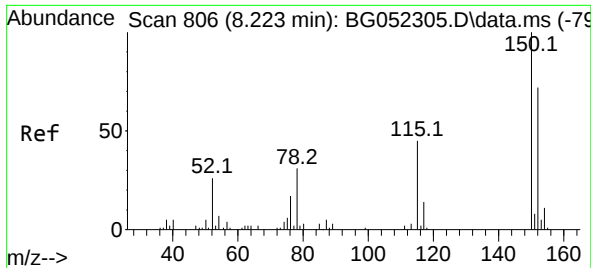
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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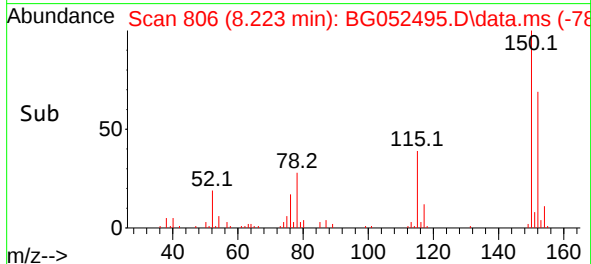
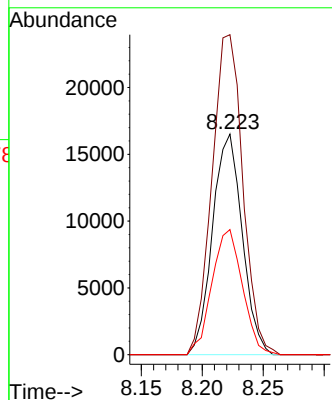
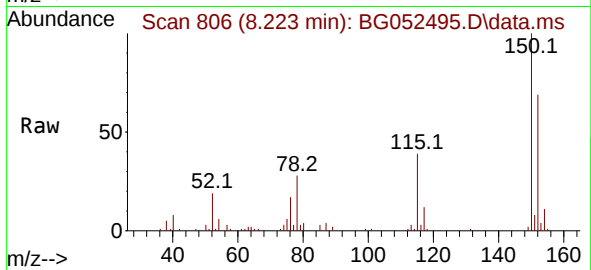




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 806
Delta R.T. -0.000 min
Lab File: BG052495.D
Acq: 28 Feb 2022 10:58

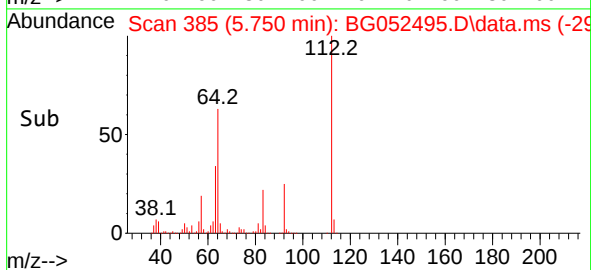
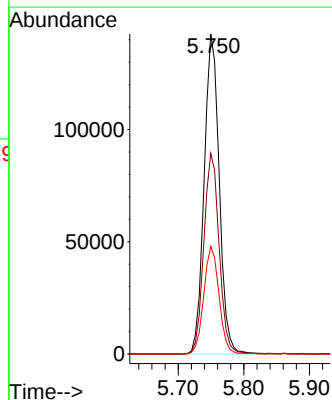
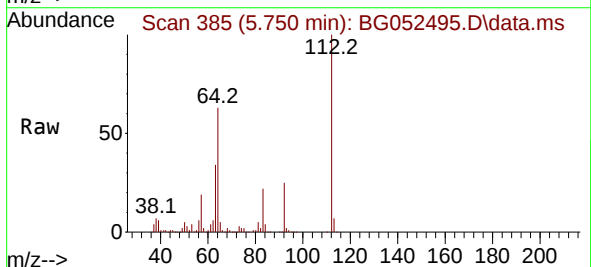
Instrument :
BNA_G
ClientSampleId :
PB142946BL

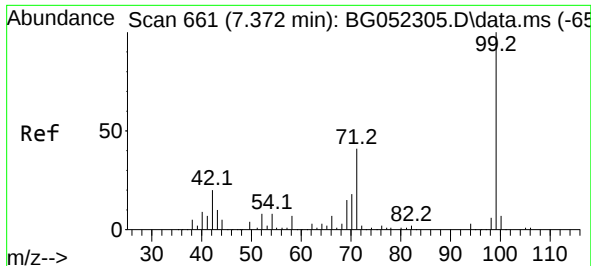
Tgt Ion:152 Resp: 27992
Ion Ratio Lower Upper
152 100
150 145.0 117.8 176.8
115 56.7 50.2 75.2



#5
2-Fluorophenol
Concen: 142.424 ng
RT: 5.750 min Scan# 385
Delta R.T. -0.001 min
Lab File: BG052495.D
Acq: 28 Feb 2022 10:58

Tgt Ion:112 Resp: 228746
Ion Ratio Lower Upper
112 100
64 62.7 60.4 90.6
63 33.6 33.3 49.9

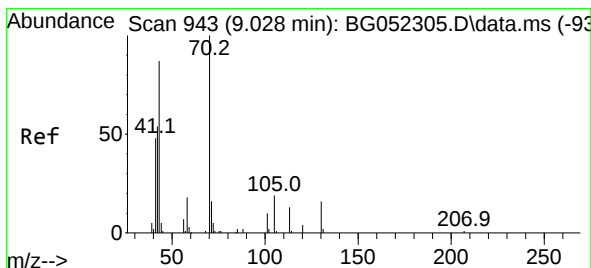
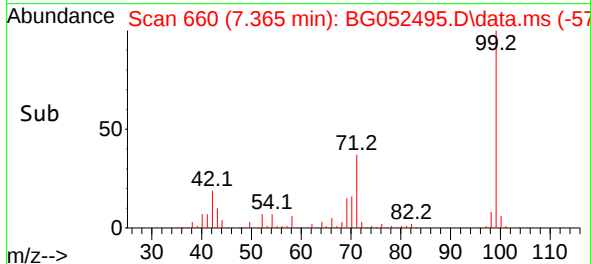
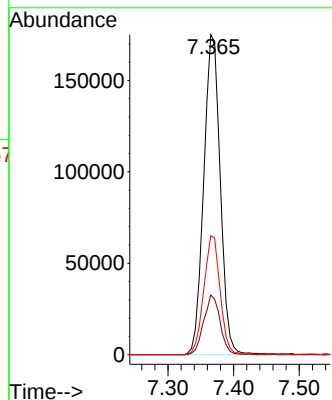
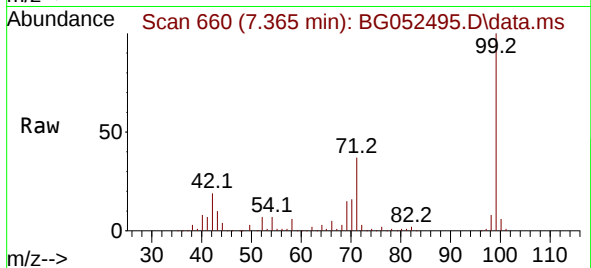




#7
Phenol-d6
Concen: 124.288 ng
RT: 7.365 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG052495.D
Acq: 28 Feb 2022 10:58

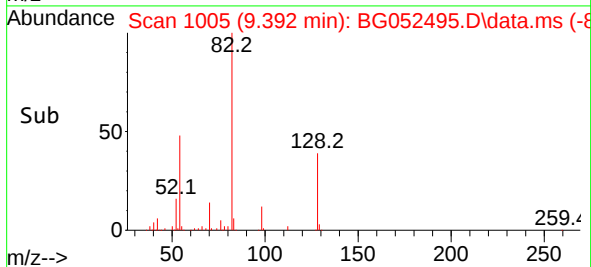
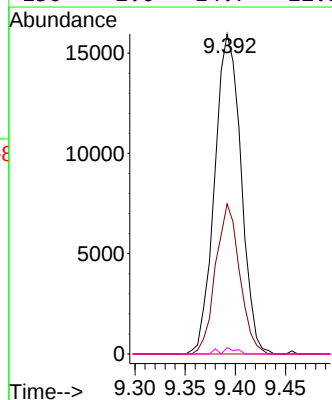
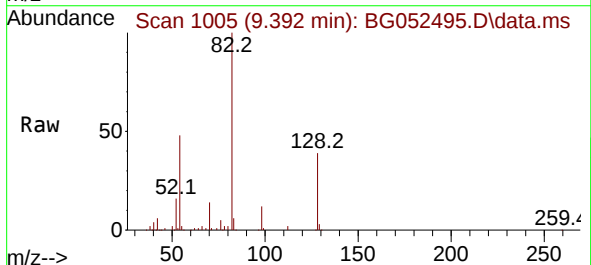
Instrument :
BNA_G
ClientSampleId :
PB142946BL

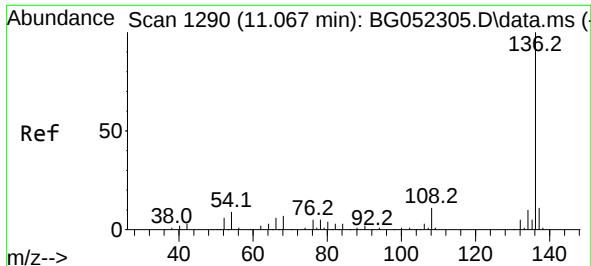
Tgt Ion: 99 Resp: 308001
Ion Ratio Lower Upper
99 100
42 18.6 19.1 28.7#
71 37.2 33.4 50.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.580 ng
RT: 9.392 min Scan# 1005
Delta R.T. 0.364 min
Lab File: BG052495.D
Acq: 28 Feb 2022 10:58

Tgt Ion: 70 Resp: 29108
Ion Ratio Lower Upper
70 100
42 46.9 51.8 77.6#
101 0.0 6.6 10.0#
130 2.0 14.7 22.1#

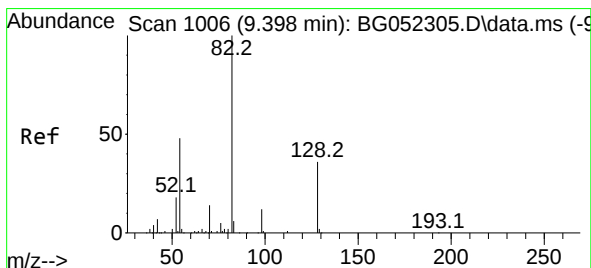
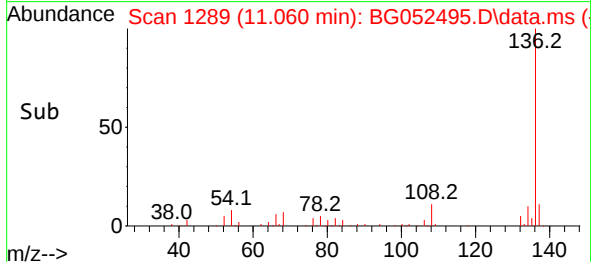
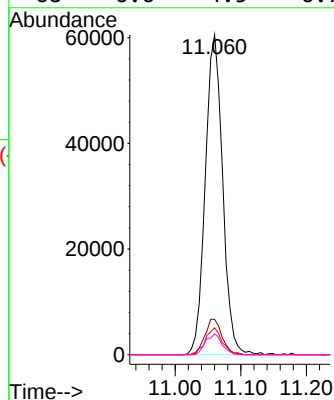
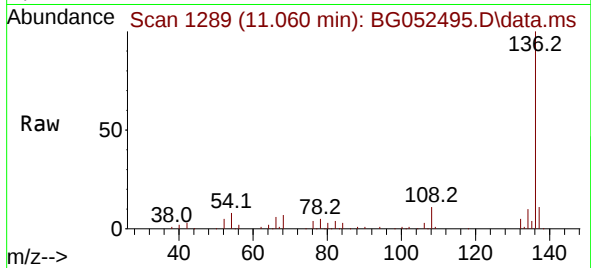




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.060 min Scan# 1114
Delta R.T. -0.007 min
Lab File: BG052495.D
Acq: 28 Feb 2022 10:58

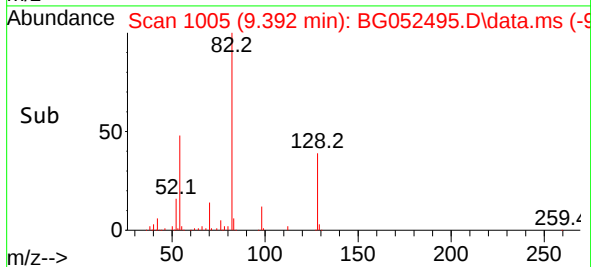
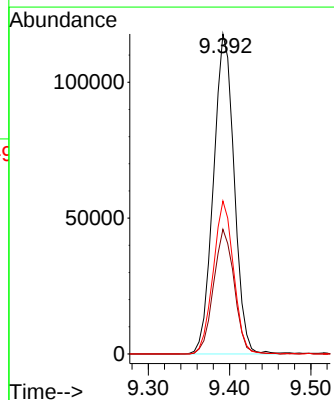
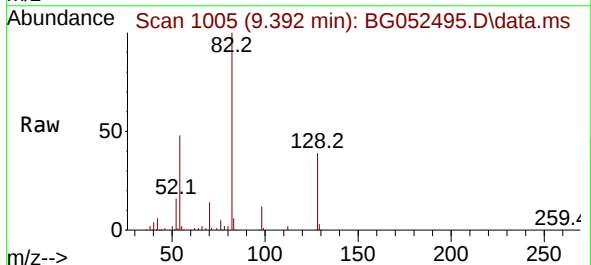
Instrument :
BNA_G
ClientSampleId :
PB142946BL

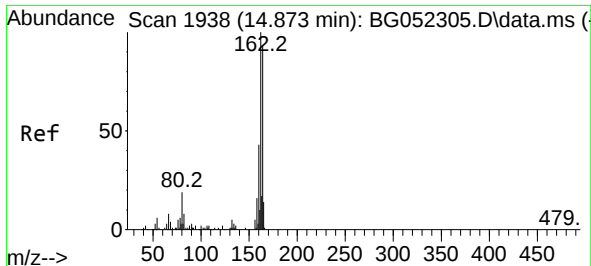
Tgt Ion:136 Resp: 111471
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.4 8.3 12.5
68 6.6 4.5 6.7



#23
Nitrobenzene-d5
Concen: 81.325 ng
RT: 9.392 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BG052495.D
Acq: 28 Feb 2022 10:58

Tgt Ion: 82 Resp: 208585
Ion Ratio Lower Upper
82 100
128 39.0 27.0 40.4
54 47.8 41.0 61.6

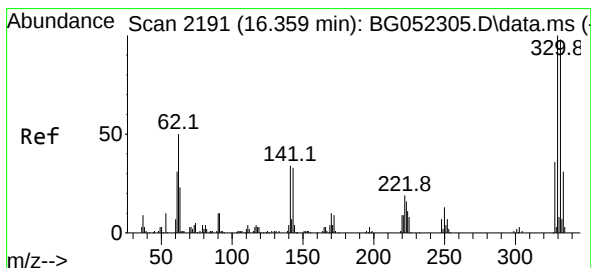
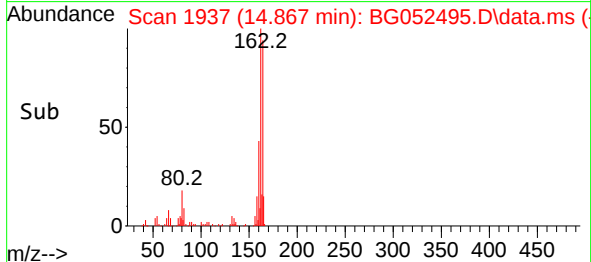
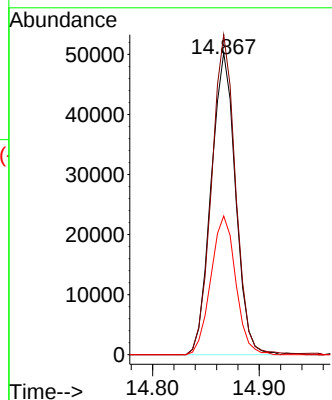
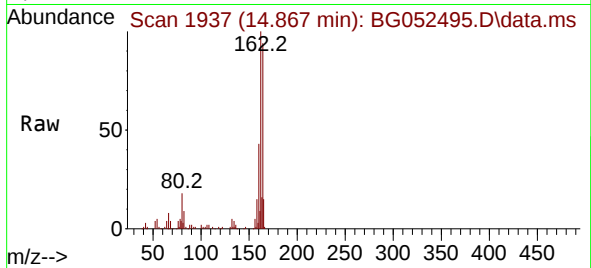




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.867 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BG052495.D
Acq: 28 Feb 2022 10:58

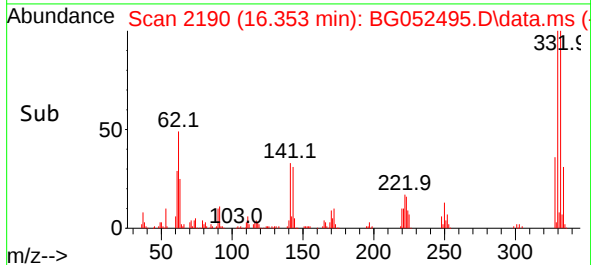
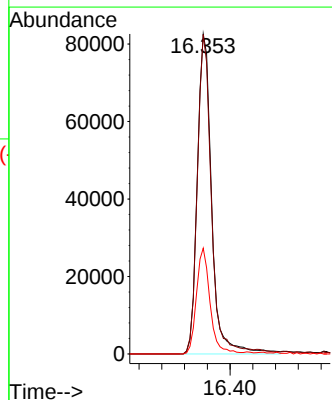
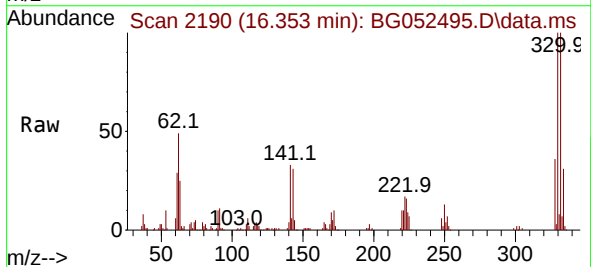
Instrument :
BNA_G
ClientSampleId :
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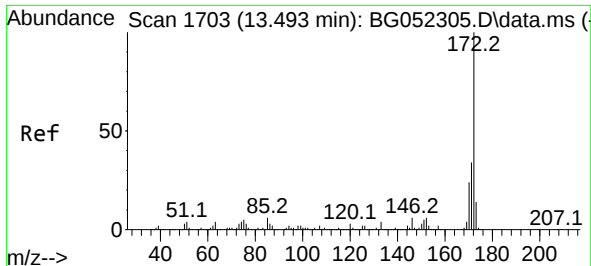
Tgt Ion:164 Resp: 79795
Ion Ratio Lower Upper
164 100
162 106.0 82.2 123.2
160 46.0 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 127.119 ng
RT: 16.353 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BG052495.D
Acq: 28 Feb 2022 10:58

Tgt Ion:330 Resp: 145727
Ion Ratio Lower Upper
330 100
332 98.0 78.6 117.8
141 31.2 28.8 43.2

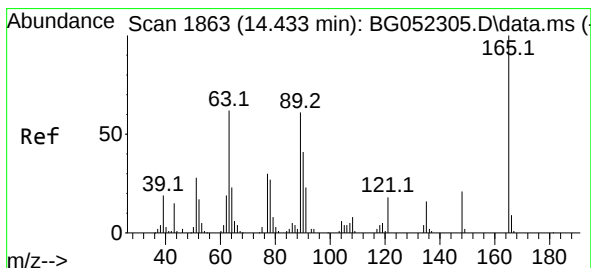
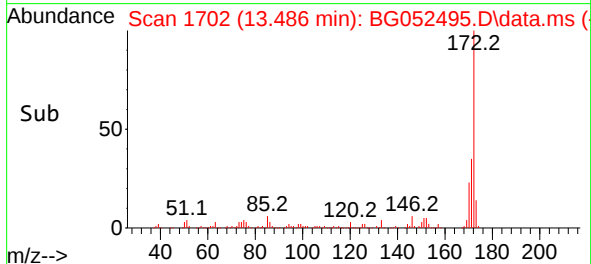
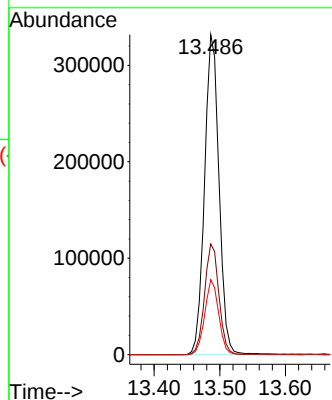
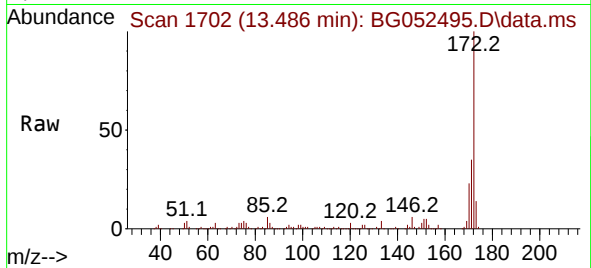




#45
2-Fluorobiphenyl
Concen: 88.888 ng
RT: 13.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG052495.D
Acq: 28 Feb 2022 10:58

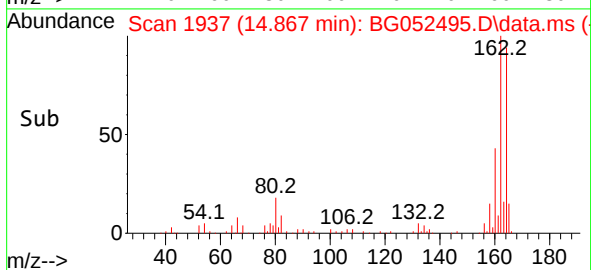
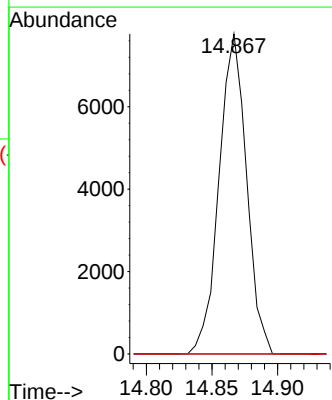
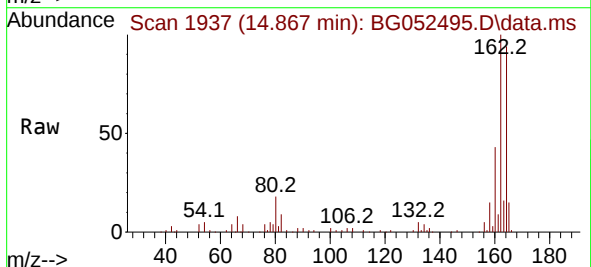
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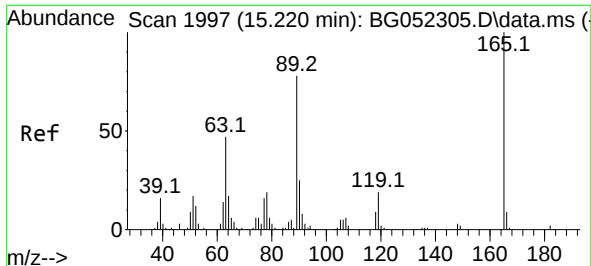
Tgt Ion:172 Resp: 510444
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 23.4 18.3 27.5



#51
2,6-Dinitrotoluene
Concen: 8.554 ng
RT: 14.867 min Scan# 1937
Delta R.T. 0.434 min
Lab File: BG052495.D
Acq: 28 Feb 2022 10:58

Tgt Ion:165 Resp: 11283
Ion Ratio Lower Upper
165 100
63 0.0 59.0 88.4#
89 0.0 49.4 74.0#





#57

2,4-Dinitrotoluene

Concen: 6.010 ng

RT: 14.867 min Scan# 19

Delta R.T. -0.353 min

Lab File: BG052495.D

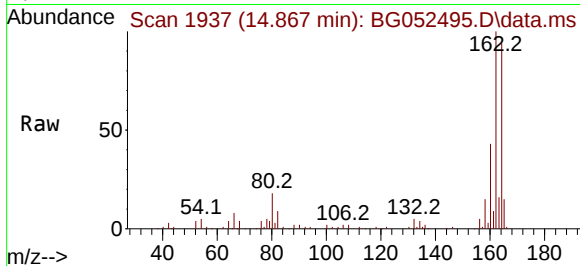
Acq: 28 Feb 2022 10:58

Instrument :

BNA_G

ClientSampleId :

PB142946BL



Tgt Ion:165 Resp: 11283

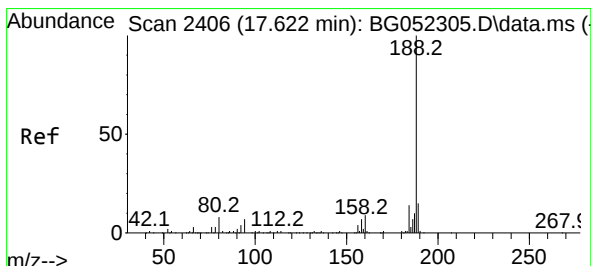
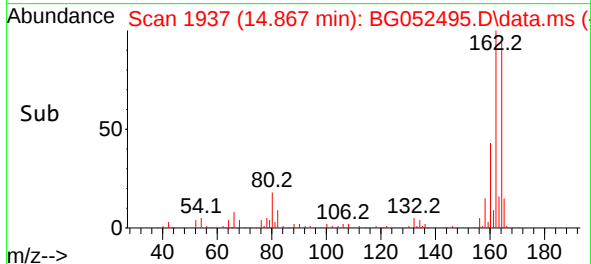
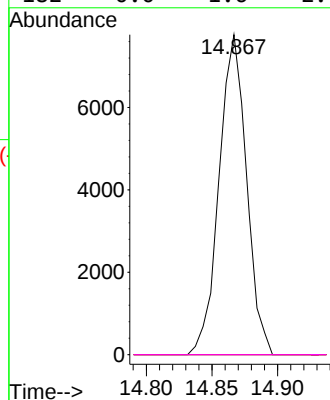
Ion Ratio Lower Upper

165 100

63 0.0 44.6 66.8#

89 0.0 67.4 101.0#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.616 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BG052495.D

Acq: 28 Feb 2022 10:58

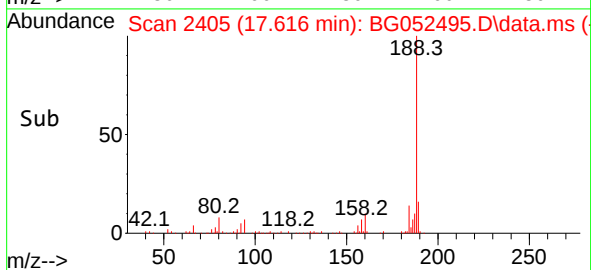
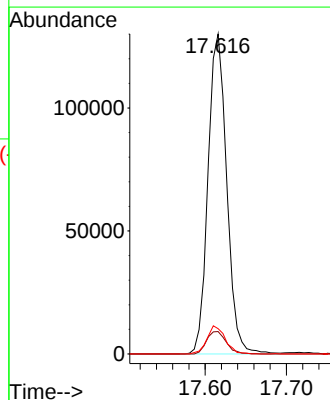
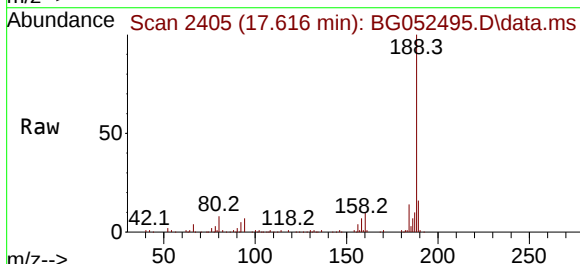
Tgt Ion:188 Resp: 207990

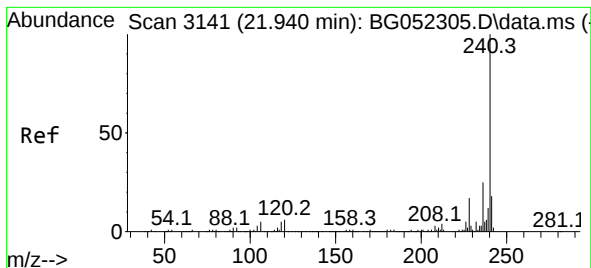
Ion Ratio Lower Upper

188 100

94 7.0 5.9 8.9

80 7.9 6.6 10.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.928 min Scan# 3141

Delta R.T. -0.012 min

Lab File: BG052495.D

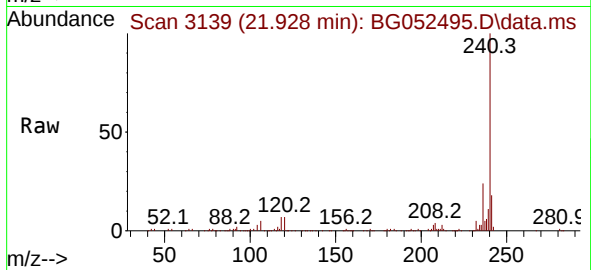
Acq: 28 Feb 2022 10:58

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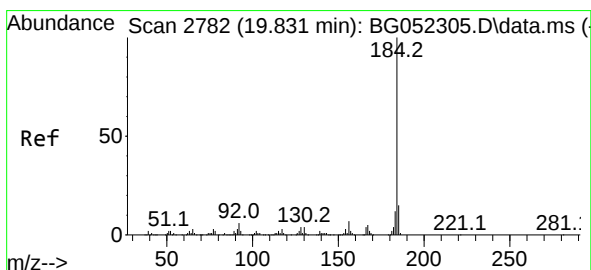
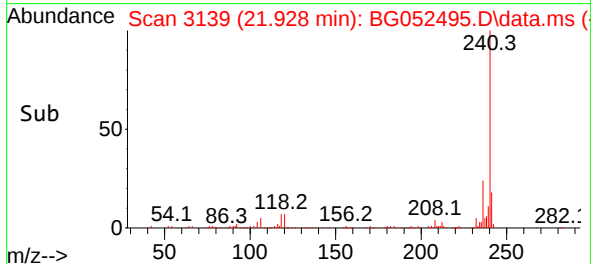
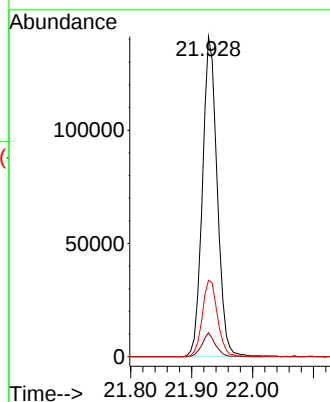
Tgt Ion:240 Resp: 237959

Ion Ratio Lower Upper

240 100

120 7.5 4.4 6.6#

236 23.9 20.8 31.2



#77

Benzidine

Concen: 3.143 ng

RT: 20.207 min Scan# 2846

Delta R.T. 0.375 min

Lab File: BG052495.D

Acq: 28 Feb 2022 10:58

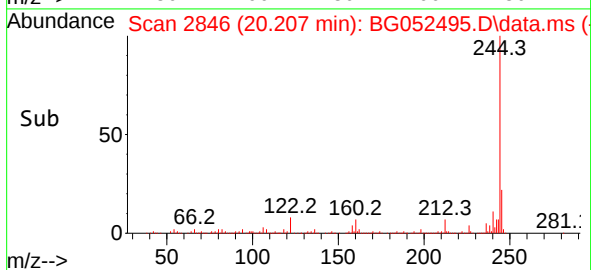
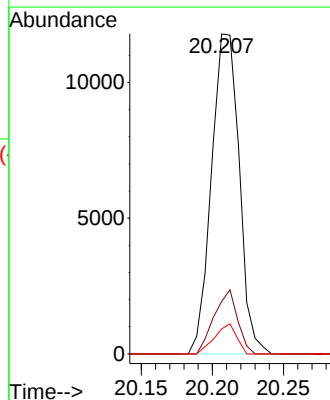
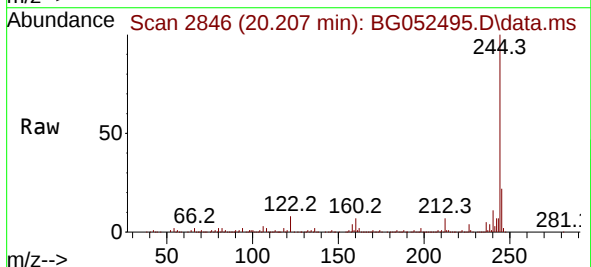
Tgt Ion:184 Resp: 15983

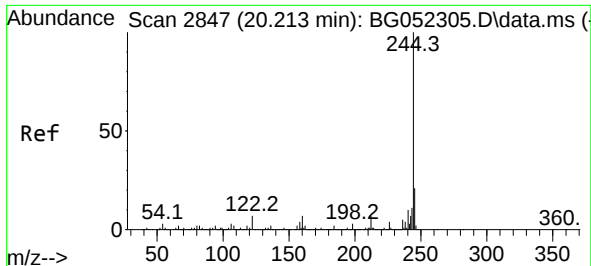
Ion Ratio Lower Upper

184 100

185 16.4 11.8 17.8

183 7.9 9.8 14.6#

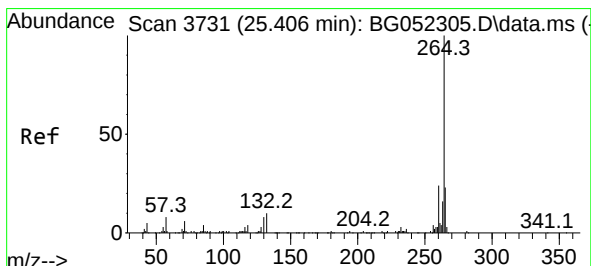
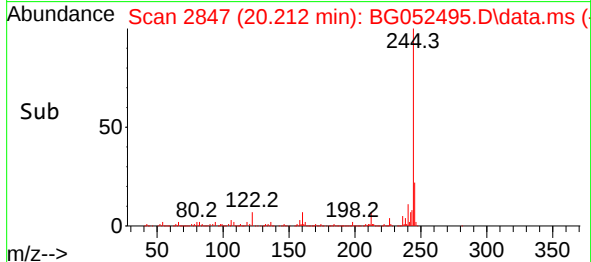
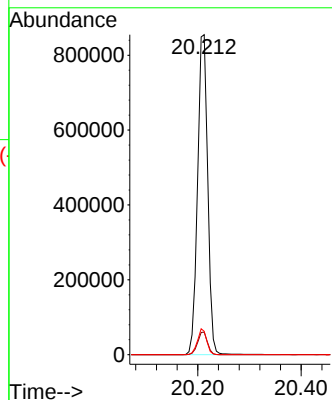
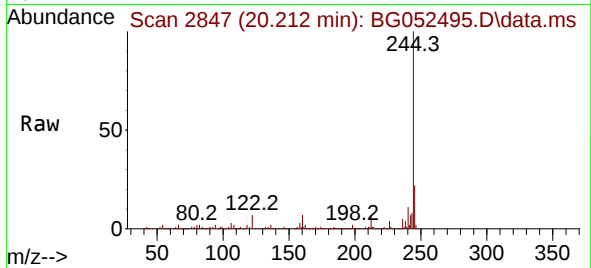




#79
 Terphenyl-d14
 Concen: 86.201 ng
 RT: 20.212 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG052495.D
 Acq: 28 Feb 2022 10:58

Instrument :
 BNA_G
 ClientSampleId :
 PB142946BL

Tgt Ion:244 Resp: 1161595
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 7.3 6.2 9.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.399 min Scan# 3730
 Delta R.T. -0.006 min
 Lab File: BG052495.D
 Acq: 28 Feb 2022 10:58

Tgt Ion:264 Resp: 235605
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.5 27.7
 265 22.2 17.8 26.6

