

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
 Data File : BG056989.D
 Acq On : 5 Apr 2023 13:30
 Operator : CG/JU
 Sample : 02161-02RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-6RE

Quant Time: Apr 05 14:59:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 05 14:57:18 2023
 Response via : Initial Calibration

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

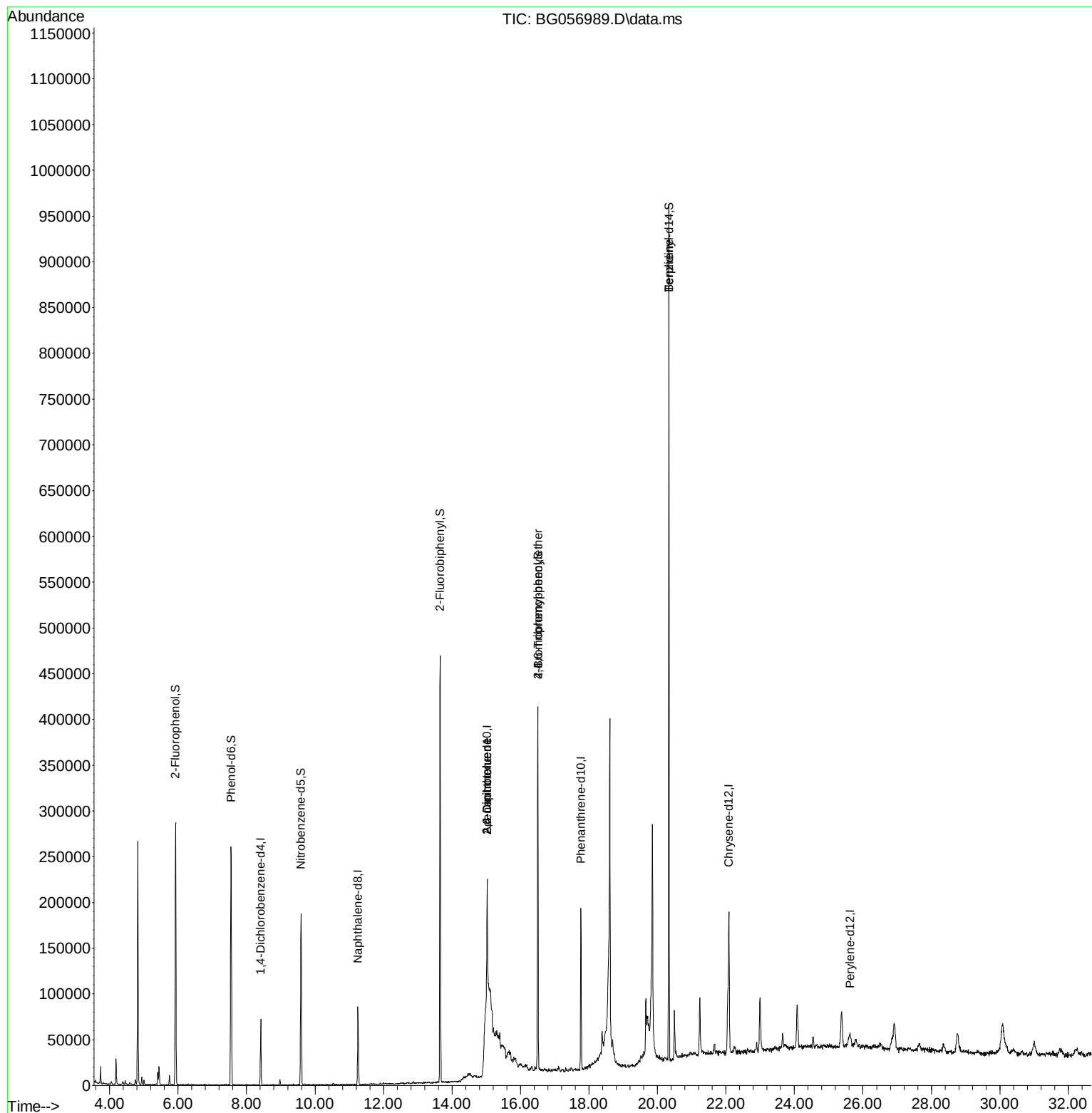
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	19332	20.000	ng	0.00
21) Naphthalene-d8	11.257	136	69950	20.000	ng	0.00
39) Acenaphthene-d10	15.028	164	35203	20.000	ng	# 0.00
64) Phenanthrene-d10	17.766	188	110110	20.000	ng	0.00
76) Chrysene-d12	22.083	240	83119	20.000	ng	-0.01
86) Perylene-d12	25.626	264	9168	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.923	112	116835	96.725	ng	0.00
7) Phenol-d6	7.544	99	139320	77.118	ng	0.00
23) Nitrobenzene-d5	9.588	82	115565	67.600	ng	0.00
42) 2,4,6-Tribromophenol	16.509	330	79031	140.530	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	238761	91.970	ng	0.00
79) Terphenyl-d14	20.333	244	452997	92.222	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	15.028	165	4692	7.829	ng	# 26
57) 2,4-Dinitrotoluene	15.028	165	4692	5.551	ng	# 27
67) 4-Bromophenyl-phenylether	16.509	248	4960	3.641	ng	# 1
77) Benzidine	20.333	184	7494	3.299	ng	# 76

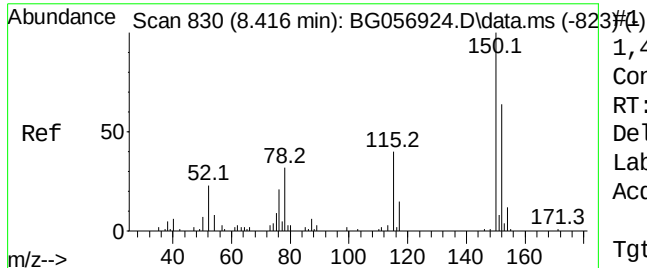
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.414 min Scan# 814

Delta R.T. -0.008 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

Instrument :

BNA_G

ClientSampleId :

WC-6RE

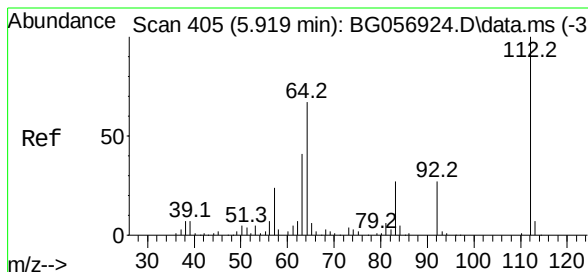
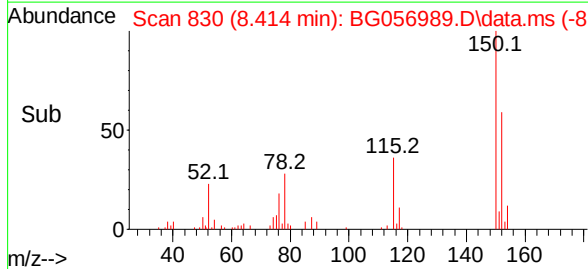
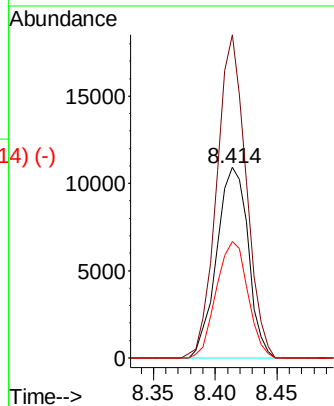
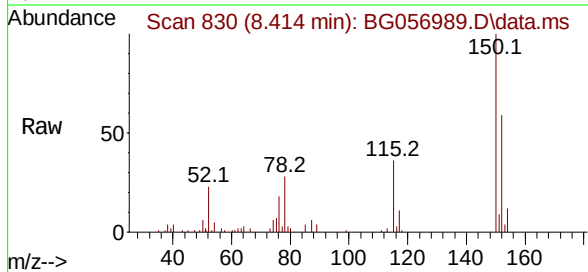
Tgt Ion:152 Resp: 19332

Ion Ratio Lower Upper

152 100

150 169.6 124.1 186.1

115 61.1 49.1 73.7



2-Fluorophenol

Concen: 96.725 ng

RT: 5.923 min Scan# 406

Delta R.T. 0.003 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

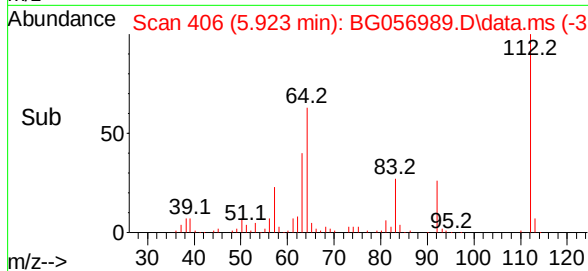
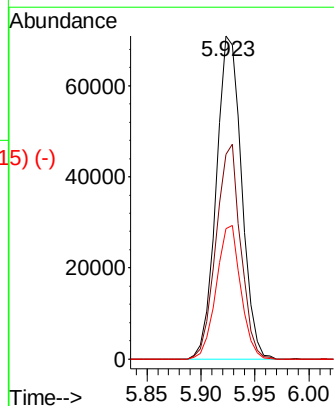
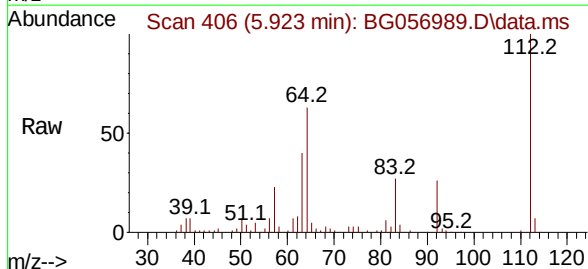
Tgt Ion:112 Resp: 116835

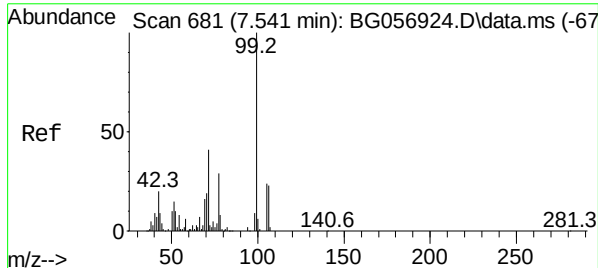
Ion Ratio Lower Upper

112 100

64 63.3 53.2 79.8

63 40.4 32.6 48.8





Phenol-d6

Concen: 77.118 ng

RT: 7.544 min Scan#

Delta R.T. -0.003 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

Instrument :

BNA_G

ClientSampleId :

WC-6RE

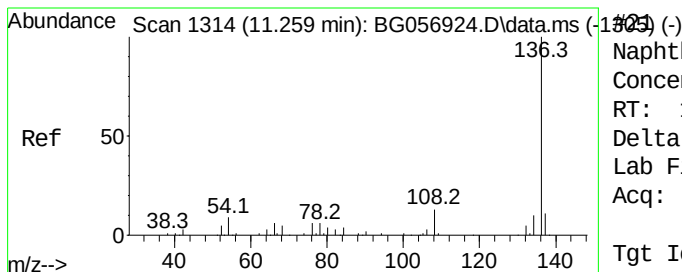
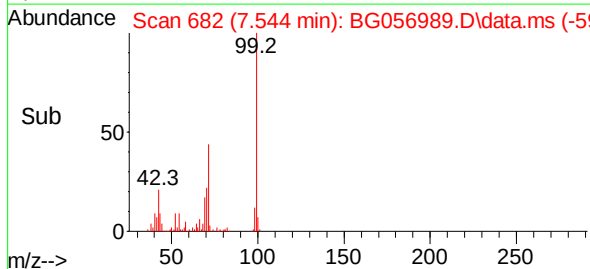
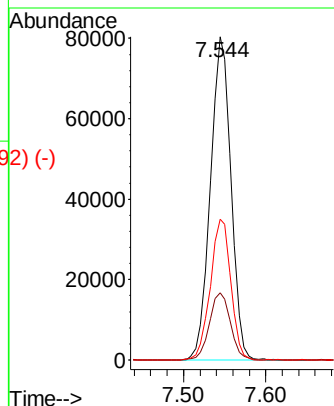
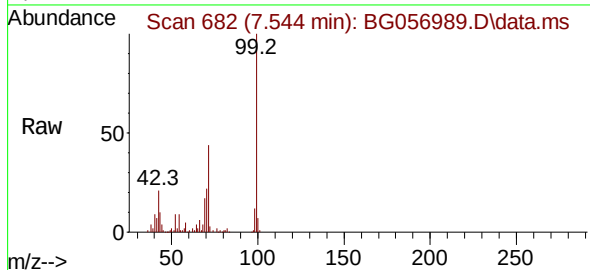
Tgt Ion: 99 Resp: 139320

Ion Ratio Lower Upper

99 100

42 20.9 15.7 23.5

71 43.5 32.5 48.7



Naphthalene-d8

Concen: 20.000 ng

RT: 11.257 min Scan# 1314

Delta R.T. -0.008 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

Tgt Ion: 136 Resp: 69950

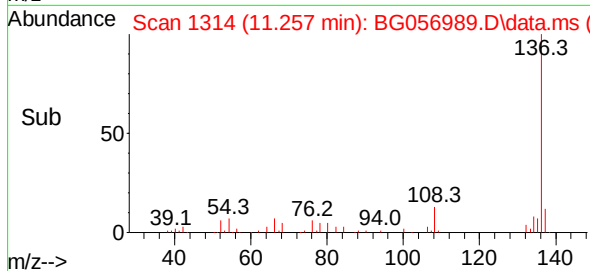
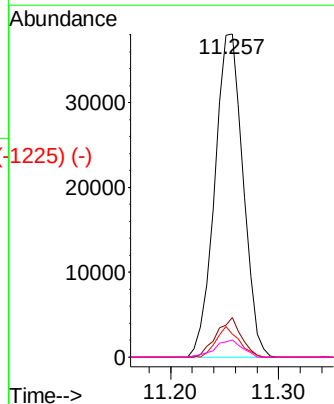
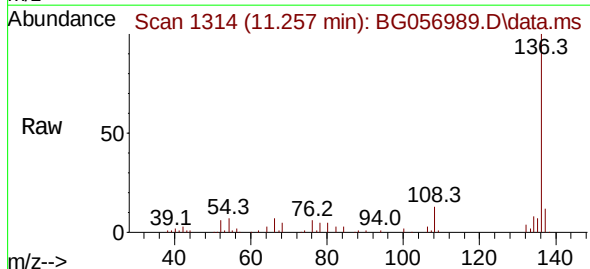
Ion Ratio Lower Upper

136 100

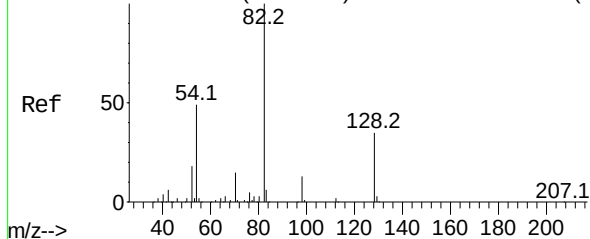
137 12.3 8.6 13.0

54 7.0 6.9 10.3

68 5.3 3.8 5.6



Abundance Scan 1031 (9.597 min): BG056924.D\data.ms (-1023)



Nitrobenzene-d5

Concen: 67.600 ng

RT: 9.588 min Scan# 1031

Delta R.T. -0.009 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

Instrument :

BNA_G

ClientSampleId :

WC-6RE

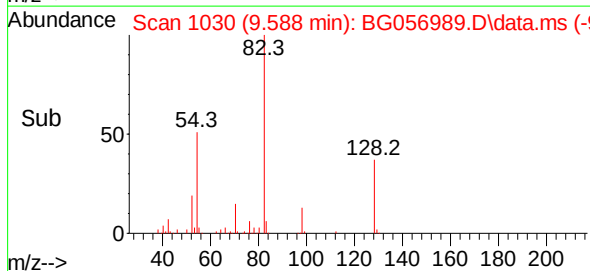
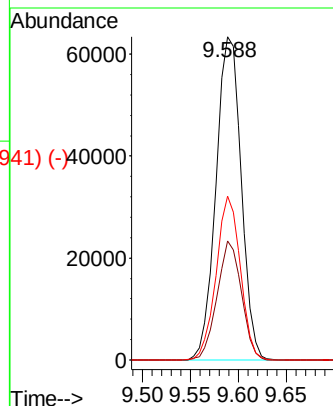
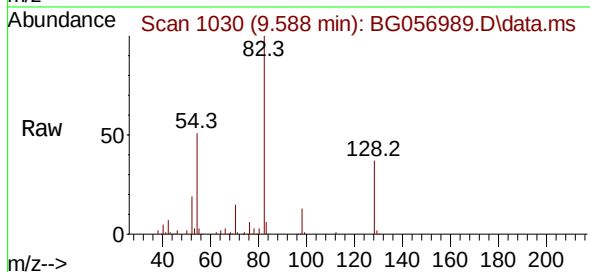
Tgt Ion: 82 Resp: 115565

Ion Ratio Lower Upper

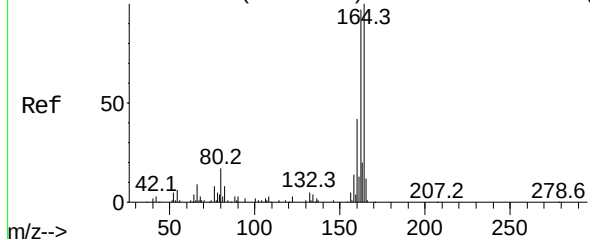
82 100

128 36.8 27.9 41.9

54 50.8 39.4 59.2



Abundance Scan 1956 (15.031 min): BG056924.D\data.ms (-1949)



Acenaphthene-d10

Concen: 20.000 ng

RT: 15.028 min Scan# 1956

Delta R.T. -0.008 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

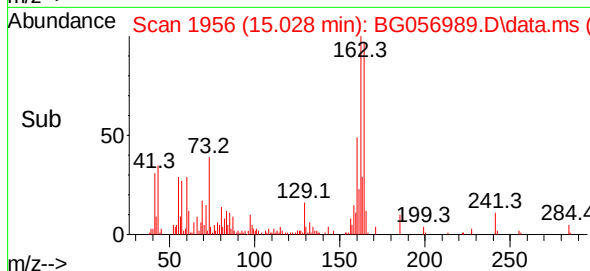
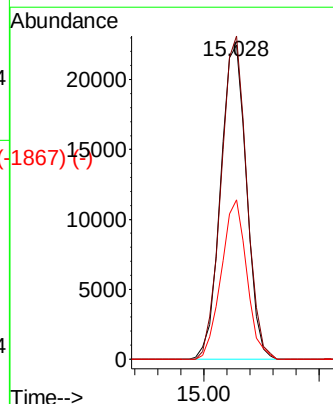
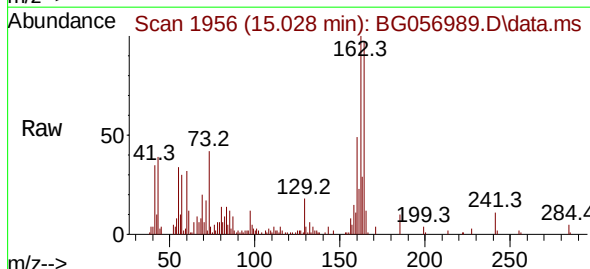
Tgt Ion:164 Resp: 35203

Ion Ratio Lower Upper

164 100

162 102.8 77.8 116.8

160 50.8 33.5 50.3#



Abundance Scan 2208 (16.511 min): BG056924.D\data.ms (-2208) (-)

2,4,6-Tribromophenol

Concen: 140.530 ng

RT: 16.509 min Scan# 2208

Delta R.T. -0.008 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

Instrument :

BNA_G

ClientSampleId :

WC-6RE

Abundance Scan 2208 (16.509 min): BG056989.D\data.ms

Ref

62.1 141.1 221.9 329.9

103.0

m/z-->

Tgt Ion:330 Resp: 79031

Ion Ratio Lower Upper

330 100

332 97.0 76.1 114.1

141 31.5 25.8 38.6

Abundance Scan 2208 (16.509 min): BG056989.D\data.ms

Raw

62.1 141.1 221.9 329.9

103.2

m/z-->

Abundance

50000

40000

30000

20000

10000

0

Time-->

Abundance Scan 2208 (16.509 min): BG056989.D\data.ms (-2219) (-)

Sub

62.1 141.1 221.9 329.9

103.2

m/z-->

Abundance Scan 1723 (13.662 min): BG056924.D\data.ms (-1723) (-)

2-Fluorobiphenyl

Concen: 91.970 ng

RT: 13.654 min Scan# 1722

Delta R.T. -0.008 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

Tgt Ion:172 Resp: 238761

Ion Ratio Lower Upper

172 100

171 39.4 30.6 46.0

170 26.8 20.6 30.8

Abundance Scan 1722 (13.654 min): BG056989.D\data.ms

Ref

172.2

39.3 63.1 85.2 120.2 146.2

m/z-->

Abundance

150000

100000

50000

0

Time-->

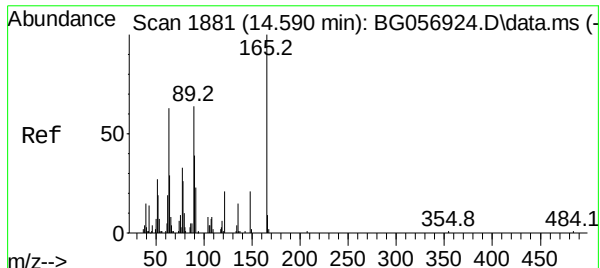
Abundance Scan 1722 (13.654 min): BG056989.D\data.ms (-1633) (-)

Sub

172.2

39.3 63.1 85.2 120.2 146.2

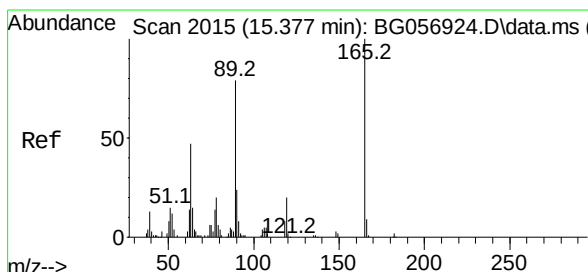
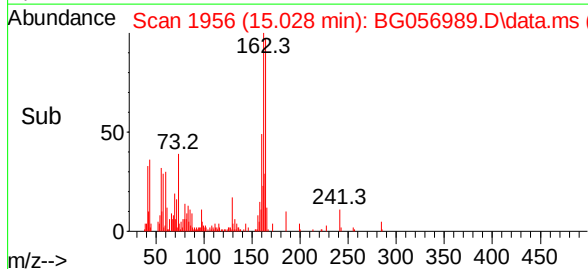
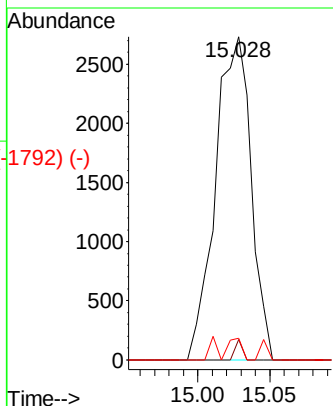
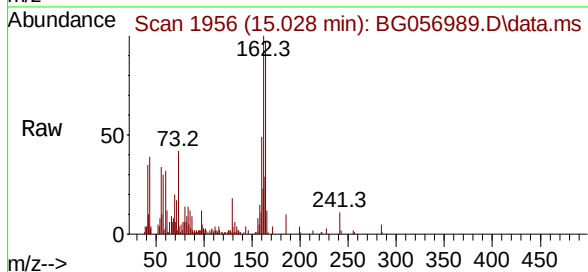
m/z-->



2,6-Dinitrotoluene
Concen: 7.829 ng
RT: 15.028 min Scan# 1956
Delta R.T. 0.432 min
Lab File: BG056989.D
Acq: 5 Apr 2023 13:30

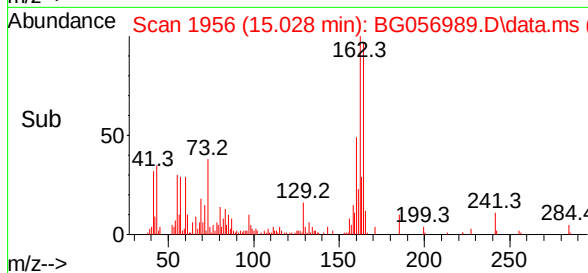
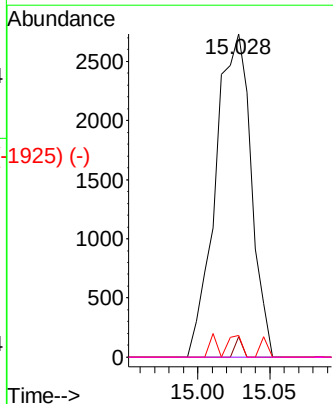
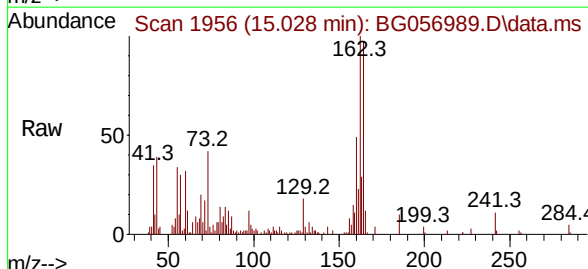
Instrument :
BNA_G
ClientSampleId :
WC-6RE

Tgt Ion:	165	Resp:	4692
Ion	Ratio	Lower	Upper
165	100		
63	6.3	53.0	79.6#
89	6.7	51.0	76.4#

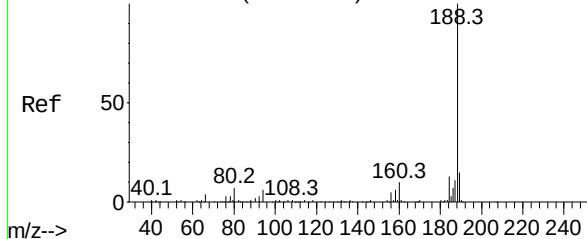


2,4-Dinitrotoluene
Concen: 5.551 ng
RT: 15.028 min Scan# 1956
Delta R.T. -0.349 min
Lab File: BG056989.D
Acq: 5 Apr 2023 13:30

Tgt Ion:	165	Resp:	4692
Ion	Ratio	Lower	Upper
165	100		
63	6.3	37.7	56.5#
89	6.7	63.2	94.8#
182	0.0	1.7	2.5#



Abundance Scan 2423 (17.774 min): BG056924.D\data.ms (-2423) (-)



Phenanthrene-d10

Concen: 20.000 ng

RT: 17.766 min Scan# 2423

Delta R.T. -0.008 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

Instrument :

BNA_G

ClientSampleId :

WC-6RE

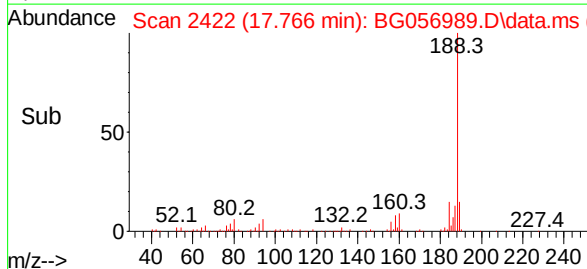
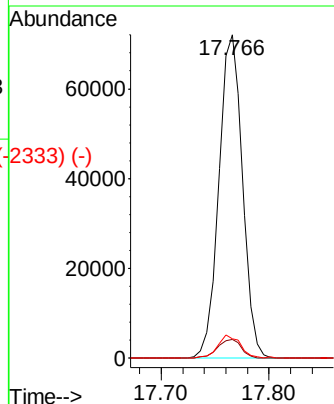
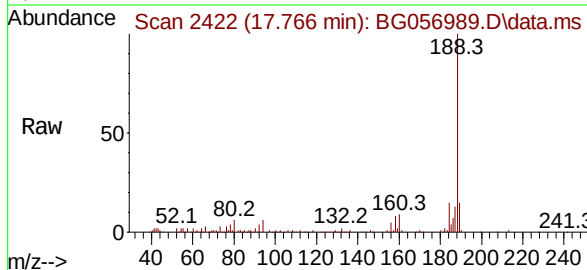
Tgt Ion:188 Resp: 110110

Ion Ratio Lower Upper

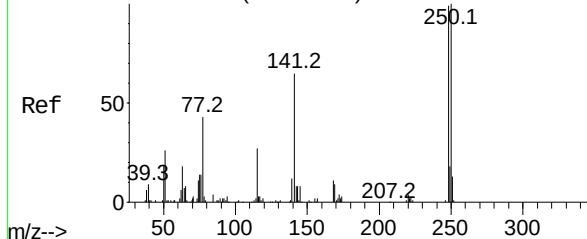
188 100

94 5.8 4.6 6.8

80 5.9 5.5 8.3



Abundance Scan 2283 (16.951 min): BG056924.D\data.ms (-2283) (-)



4-Bromophenyl-phenylether

Concen: 3.641 ng

RT: 16.509 min Scan# 2208

Delta R.T. -0.437 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

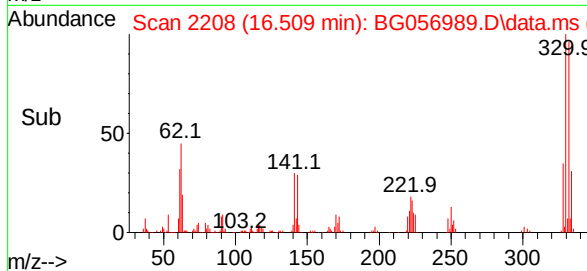
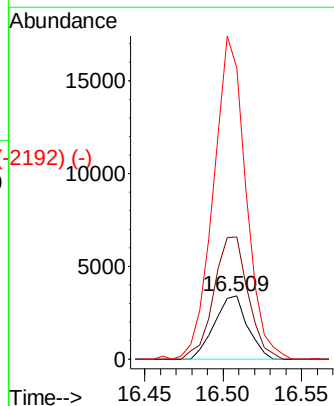
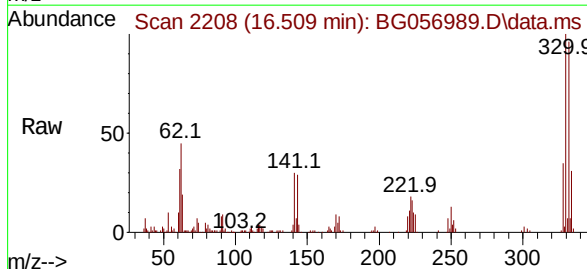
Tgt Ion:248 Resp: 4960

Ion Ratio Lower Upper

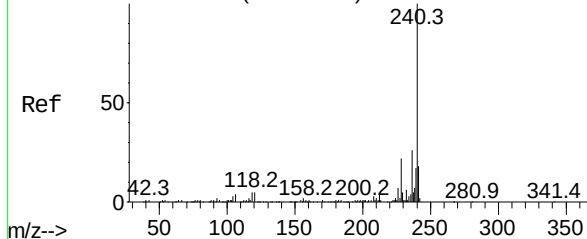
248 100

250 192.7 80.5 120.7#

141 459.9 52.0 78.0#



Abundance Scan 3159 (22.097 min): BG056924.D\data.ms (-3159) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 22.083 min Scan#

Delta R.T. -0.014 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

Instrument :

BNA_G

ClientSampleId :

WC-6RE

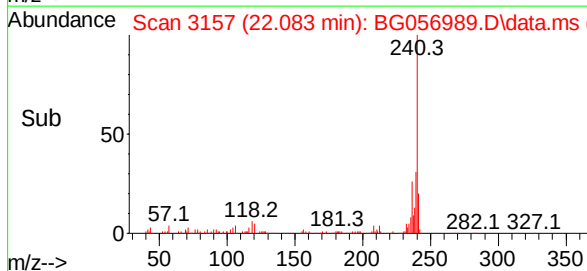
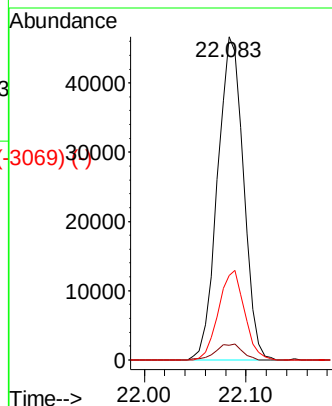
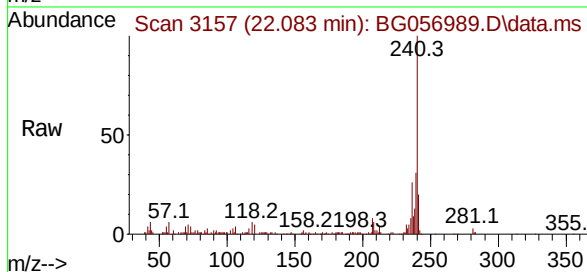
Tgt Ion:240 Resp: 83119

Ion Ratio Lower Upper

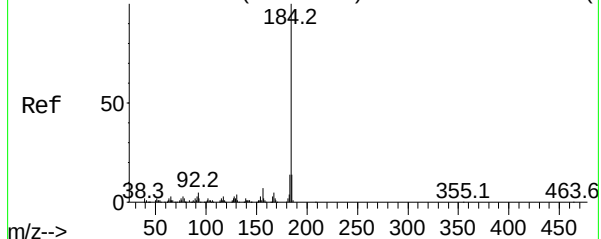
240 100

120 4.6 3.8 5.6

236 26.2 21.0 31.6



Abundance Scan 2796 (19.965 min): BG056924.D\data.ms (-2796) (-)



Benzidine

Concen: 3.299 ng

RT: 20.333 min Scan# 2859

Delta R.T. 0.367 min

Lab File: BG056989.D

Acq: 5 Apr 2023 13:30

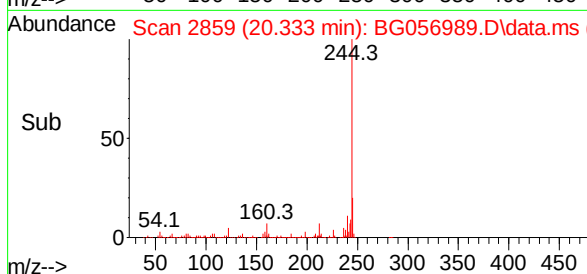
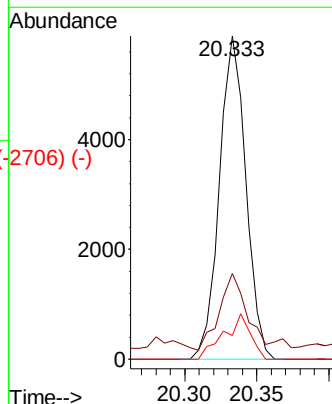
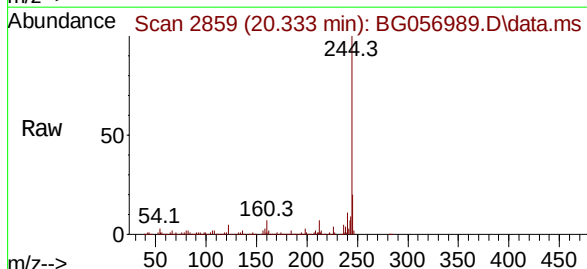
Tgt Ion:184 Resp: 7494

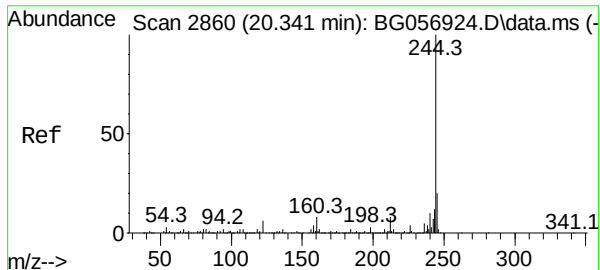
Ion Ratio Lower Upper

184 100

185 26.6 11.0 16.4#

183 7.3 11.4 17.0#

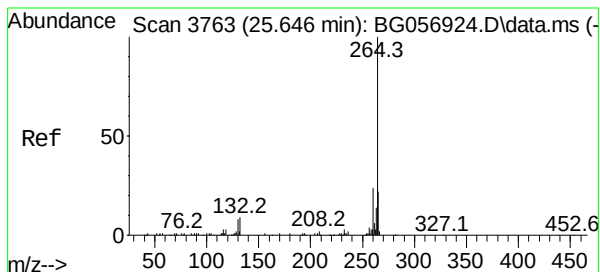
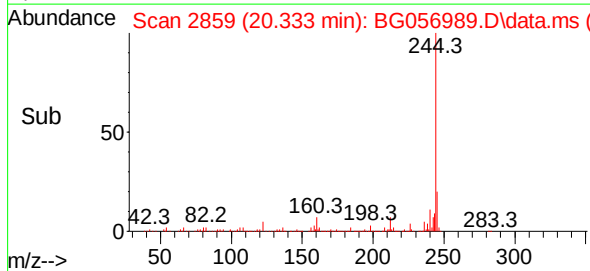
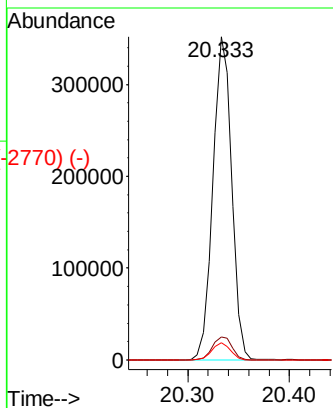
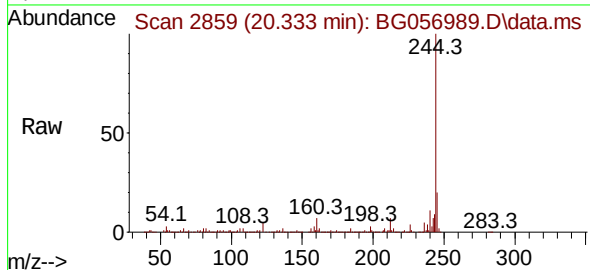




Terphenyl-d14
 Concen: 92.222 ng
 RT: 20.333 min Scan# 2859
 Delta R.T. -0.008 min
 Lab File: BG056989.D
 Acq: 5 Apr 2023 13:30

Instrument :
 BNA_G
 ClientSampleId :
 WC-6RE

Tgt Ion:	244	Resp:	452997
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	5.3	5.0	7.4



Perylene-d12
 Concen: 20.000 ng
 RT: 25.626 min Scan# 3760
 Delta R.T. -0.026 min
 Lab File: BG056989.D
 Acq: 5 Apr 2023 13:30

Tgt Ion:	264	Resp:	9168
Ion	Ratio	Lower	Upper
264	100		
260	33.2	19.0	28.4#
265	18.2	17.8	26.6

