

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054192.D
 Acq On : 1 Jul 2022 15:37
 Operator : CG/JU
 Sample : N3561-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-3

Quant Time: Jul 01 23:34:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

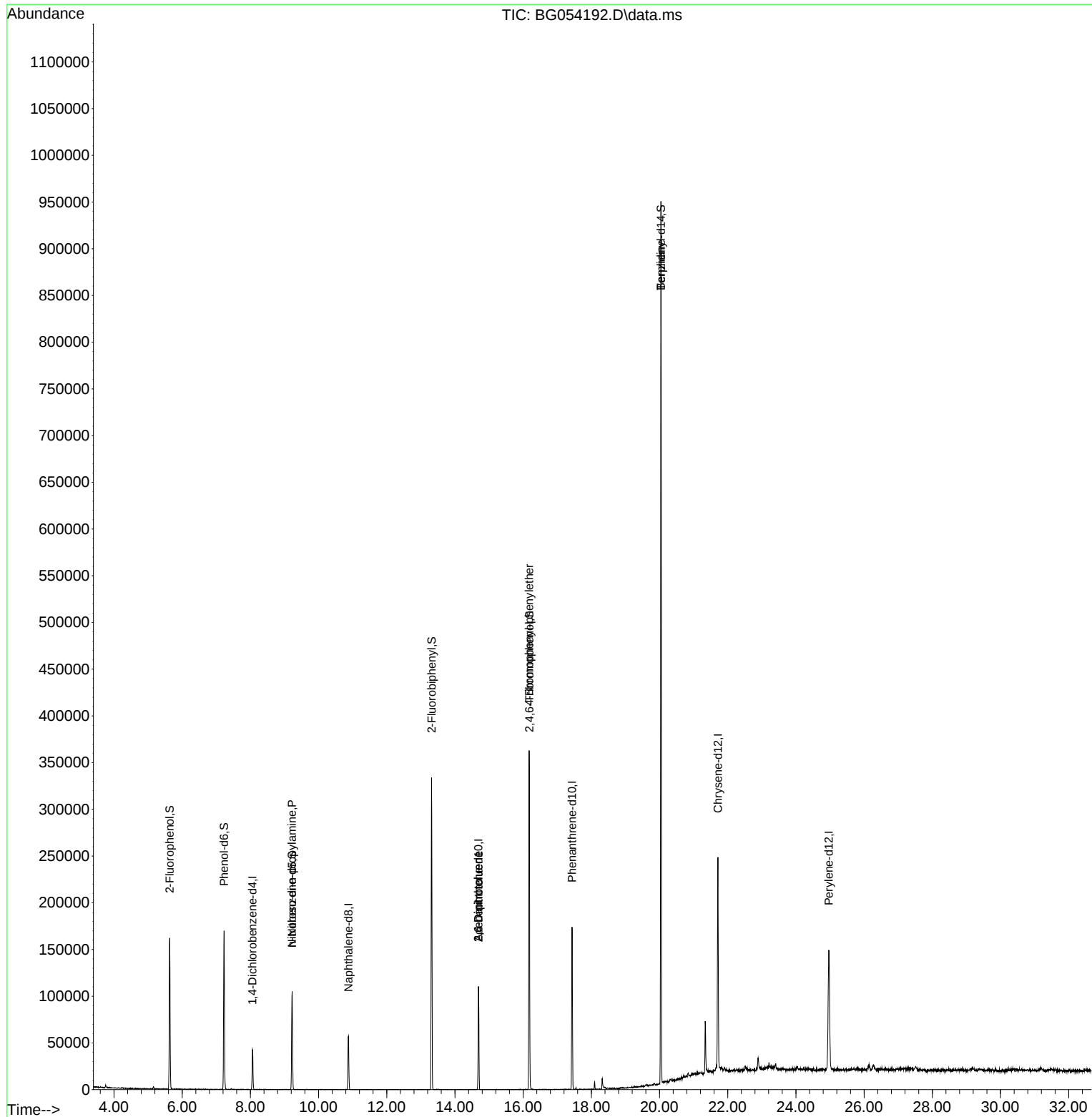
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.062	152	13943	20.000	ng	0.00
21) Naphthalene-d8	10.876	136	54362	20.000	ng	0.00
39) Acenaphthene-d10	14.689	164	44723	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	127082	20.000	ng	# 0.00
76) Chrysene-d12	21.711	240	153612	20.000	ng	0.00
86) Perylene-d12	24.966	264	156120	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.635	112	75001	102.844	ng	0.00
7) Phenol-d6	7.228	99	100978	102.069	ng	0.00
23) Nitrobenzene-d5	9.225	82	67606	69.887	ng	0.00
42) 2,4,6-Tribromophenol	16.182	330	93354	129.919	ng	0.00
45) 2-Fluorobiphenyl	13.315	172	197574	64.240	ng	0.00
79) Terphenyl-d14	20.042	244	527193	69.123	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.225	70	9101	13.693	ng	# 87
51) 2,6-Dinitrotoluene	14.689	165	5870	8.530	ng	# 16
57) 2,4-Dinitrotoluene	14.689	165	5870	6.040	ng	# 21
67) 4-Bromophenyl-phenylether	16.176	248	5888	3.710	ng	# 1
77) Benzidine	20.042	184	6781	2.132	ng	# 86

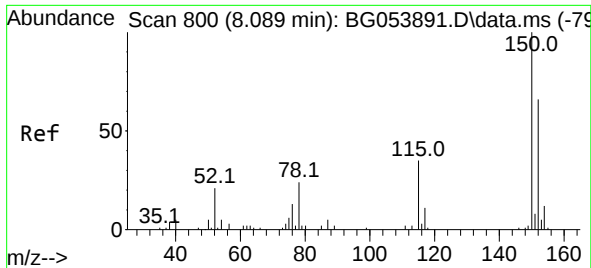
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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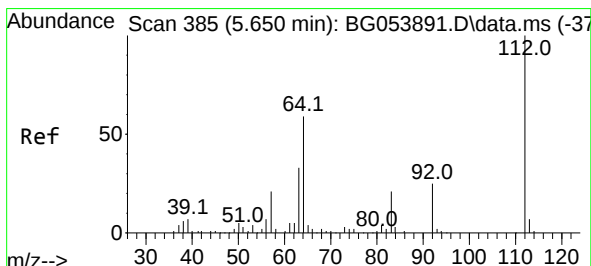
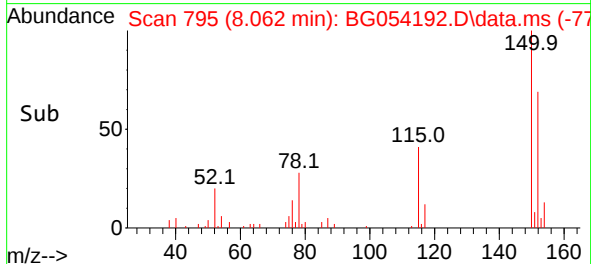
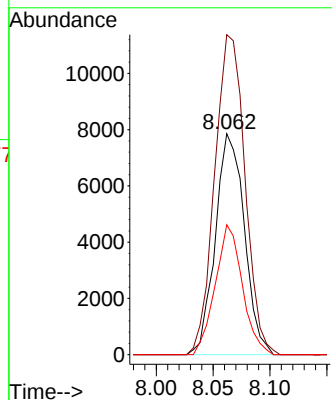
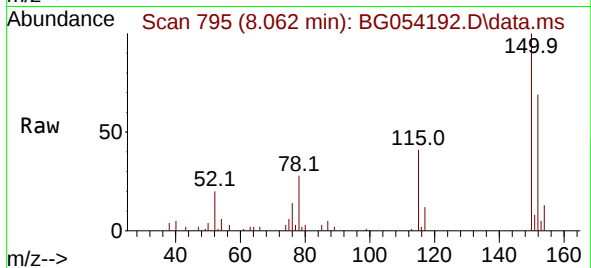




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.062 min Scan# 79
Delta R.T. -0.008 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

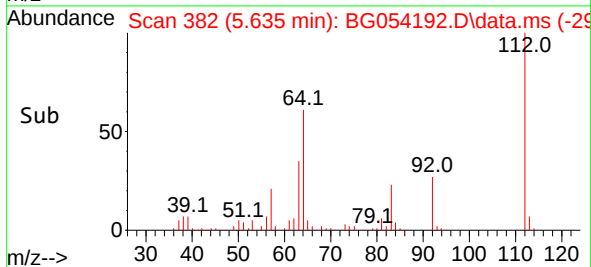
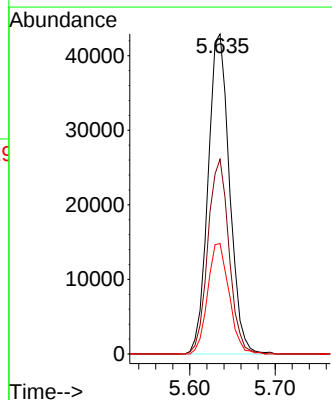
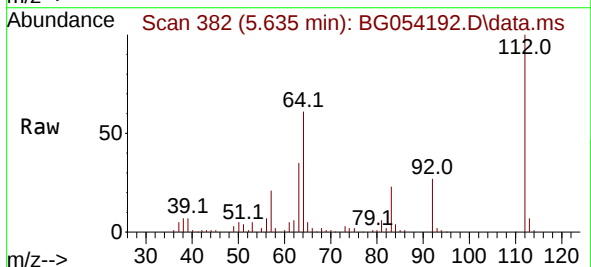
Instrument :
BNA_G
ClientSampleId :
S-3

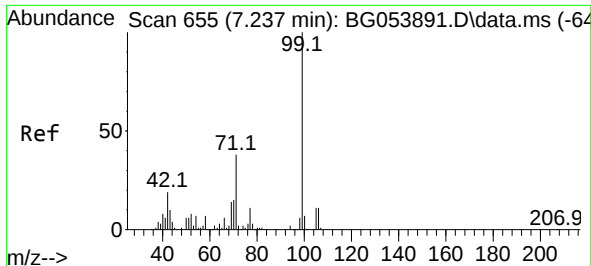
Tgt Ion:152 Resp: 13943
Ion Ratio Lower Upper
152 100
150 144.8 131.6 197.4
115 58.8 50.9 76.3



#5
2-Fluorophenol
Concen: 102.844 ng
RT: 5.635 min Scan# 382
Delta R.T. -0.003 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

Tgt Ion:112 Resp: 75001
Ion Ratio Lower Upper
112 100
64 60.9 55.1 82.7
63 34.5 30.4 45.6

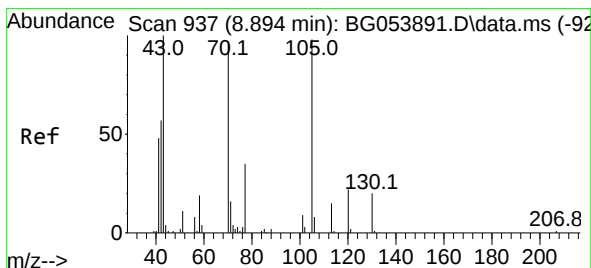
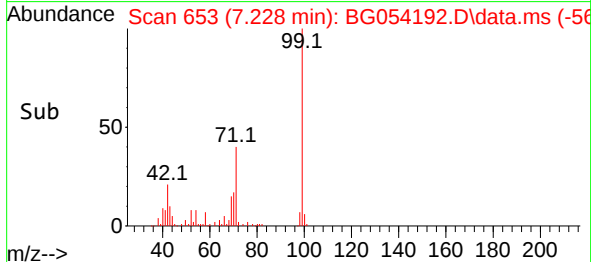
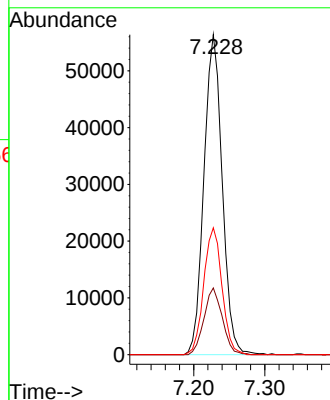
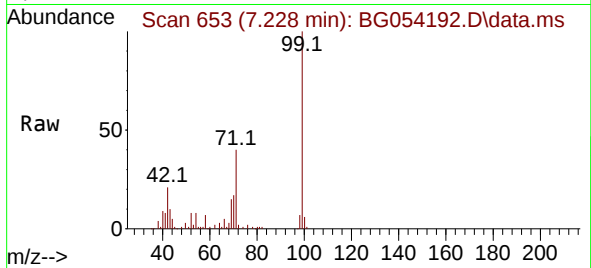




#7
Phenol-d6
Concen: 102.069 ng
RT: 7.228 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

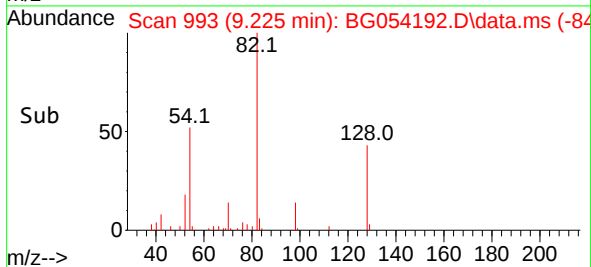
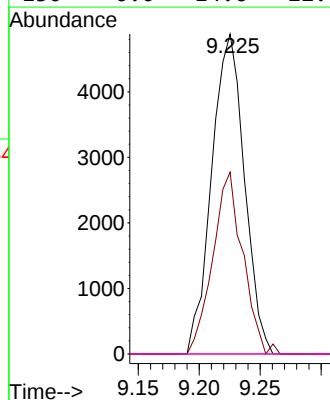
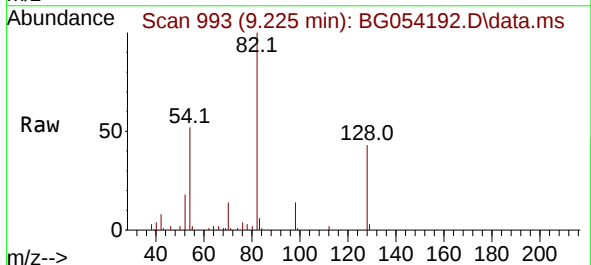
Instrument :
BNA_G
ClientSampleId :
S-3

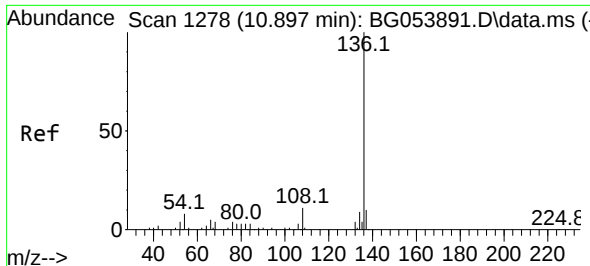
Tgt Ion: 99 Resp: 100978
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 39.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.693 ng
RT: 9.225 min Scan# 993
Delta R.T. 0.350 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

Tgt Ion: 70 Resp: 9101
Ion Ratio Lower Upper
70 100
42 56.8 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

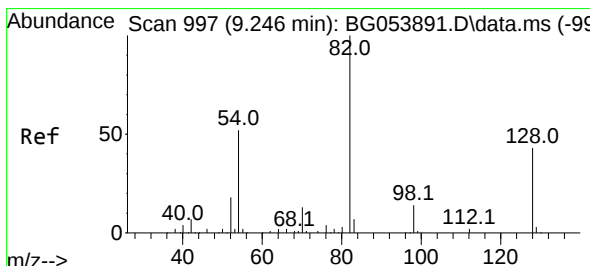
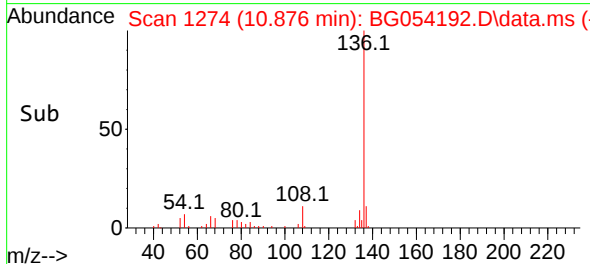
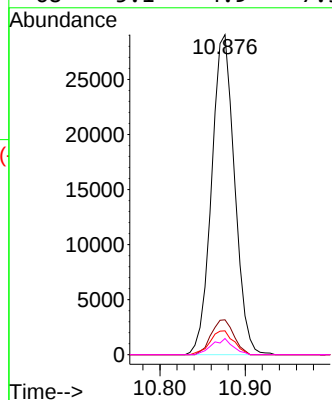
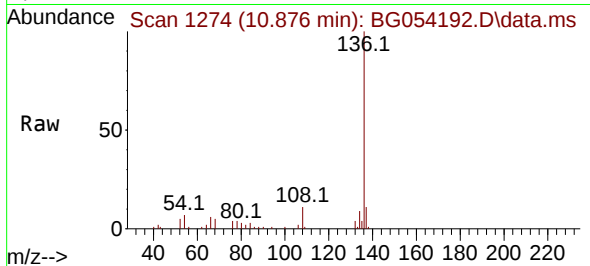




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.876 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

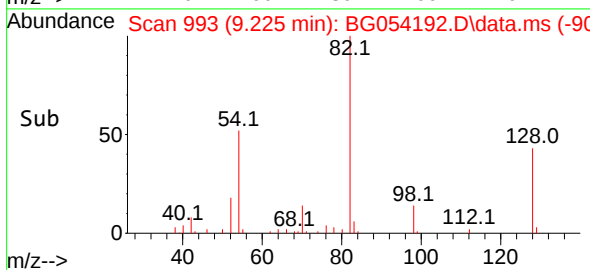
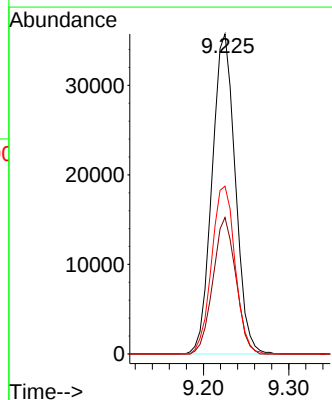
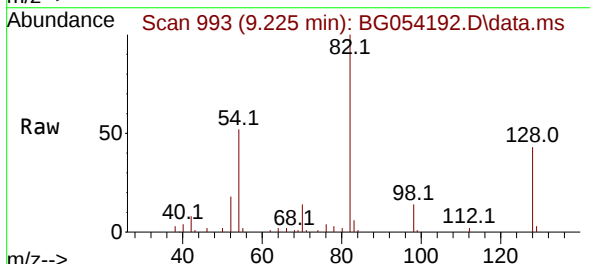
Instrument :
BNA_G
ClientSampleId :
S-3

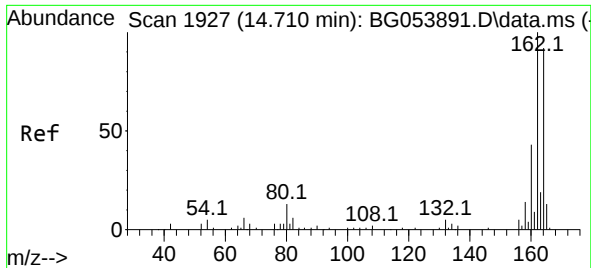
Tgt Ion:	136	Resp:	54362
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	7.5	7.4	11.2
68	5.1	4.9	7.3



#23
Nitrobenzene-d5
Concen: 69.887 ng
RT: 9.225 min Scan# 993
Delta R.T. -0.008 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

Tgt Ion:	82	Resp:	67606
Ion Ratio	Lower	Upper	
82	100		
128	42.7	27.9	41.9#
54	52.4	41.2	61.8

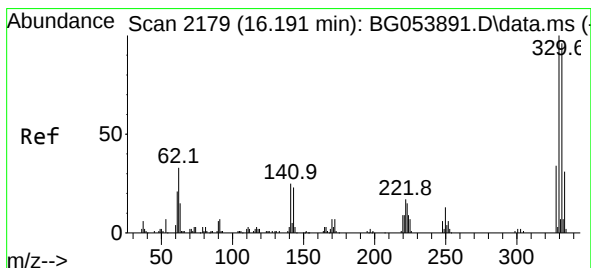
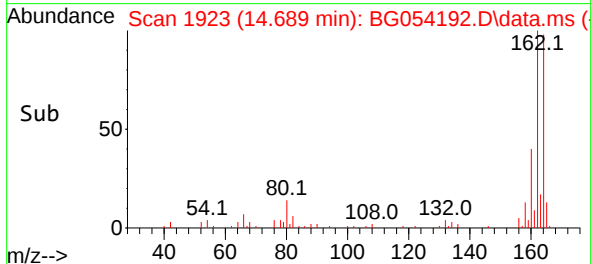
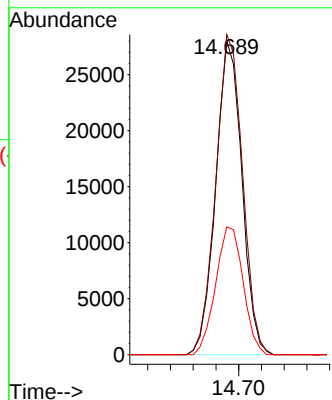
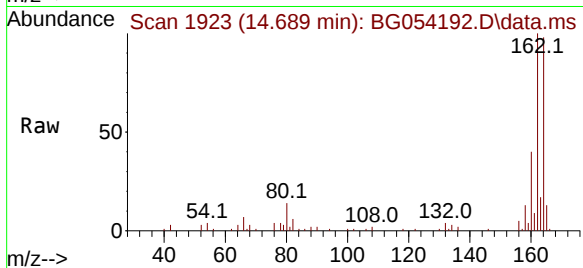




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.689 min Scan# 1923
Delta R.T. -0.008 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

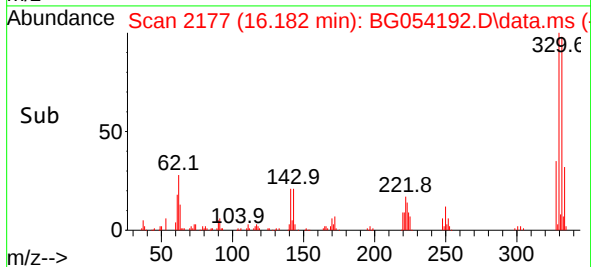
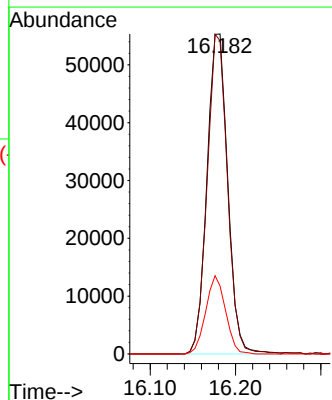
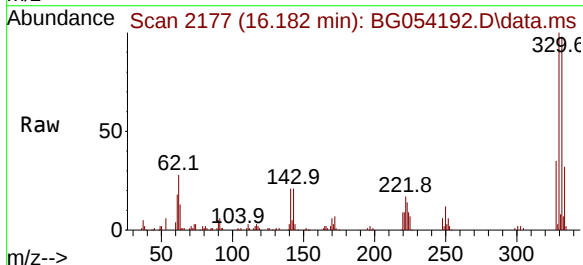
Instrument :
BNA_G
ClientSampleId :
S-3

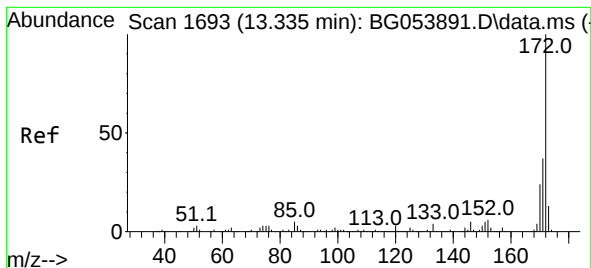
Tgt Ion:164 Resp: 44723
Ion Ratio Lower Upper
164 100
162 102.1 82.3 123.5
160 40.8 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 129.919 ng
RT: 16.182 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

Tgt Ion:330 Resp: 93354
Ion Ratio Lower Upper
330 100
332 98.1 76.0 114.0
141 23.3 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 64.240 ng

RT: 13.315 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG054192.D

Acq: 1 Jul 2022 15:37

Instrument :

BNA_G

ClientSampleId :

S-3

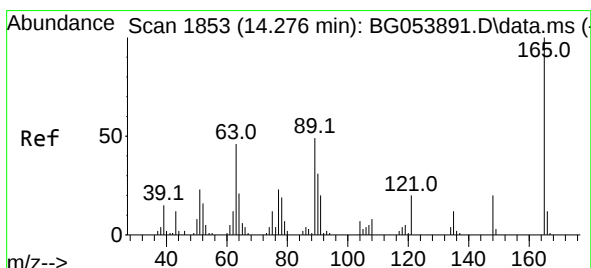
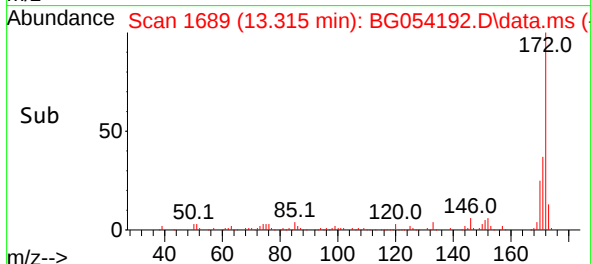
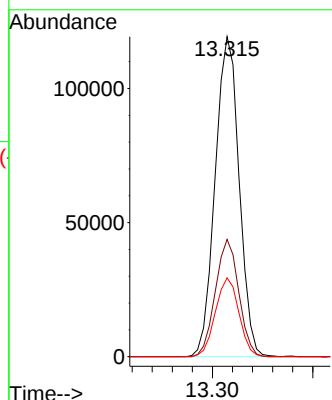
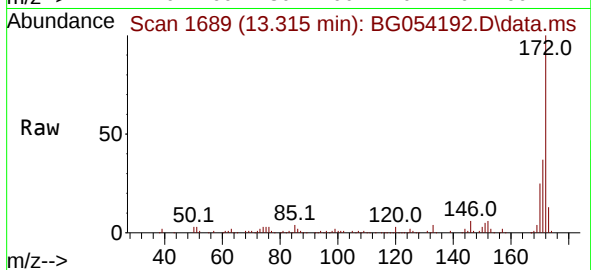
Tgt Ion:172 Resp: 197574

Ion Ratio Lower Upper

172 100

171 36.6 28.5 42.7

170 24.7 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.530 ng

RT: 14.689 min Scan# 1923

Delta R.T. 0.426 min

Lab File: BG054192.D

Acq: 1 Jul 2022 15:37

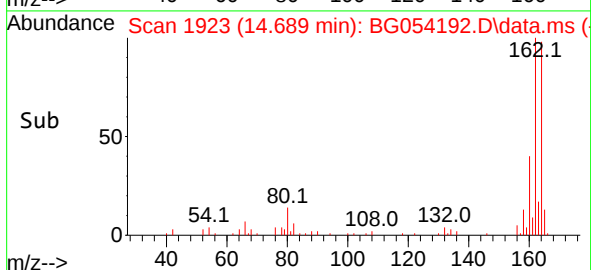
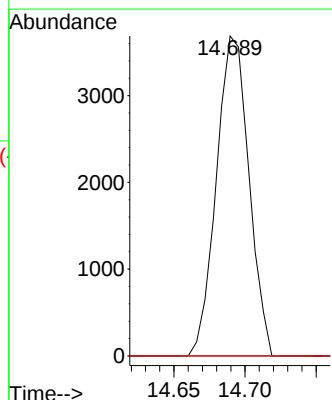
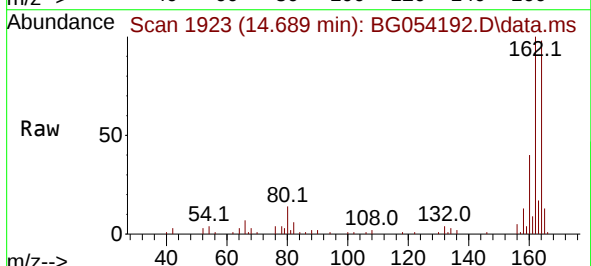
Tgt Ion:165 Resp: 5870

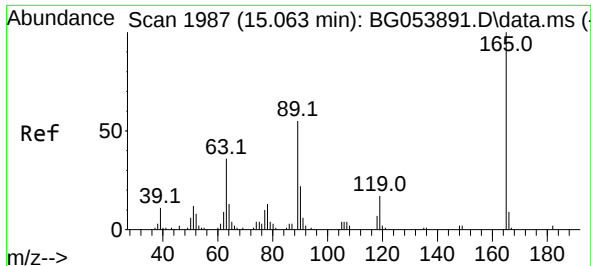
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 6.040 ng

RT: 14.689 min Scan# 1987

Delta R.T. -0.361 min

Lab File: BG054192.D

Acq: 1 Jul 2022 15:37

Instrument :

BNA_G

ClientSampleId :

S-3

Tgt Ion:165 Resp: 5870

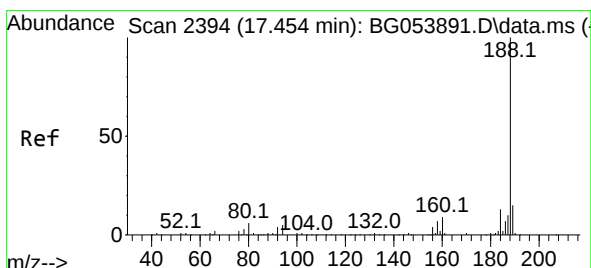
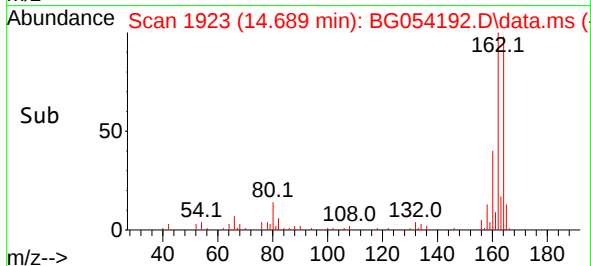
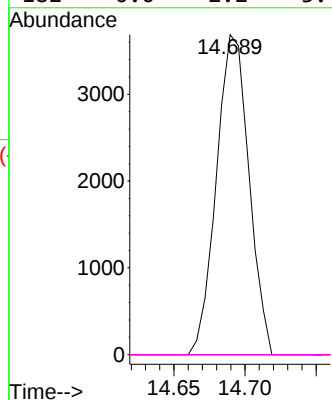
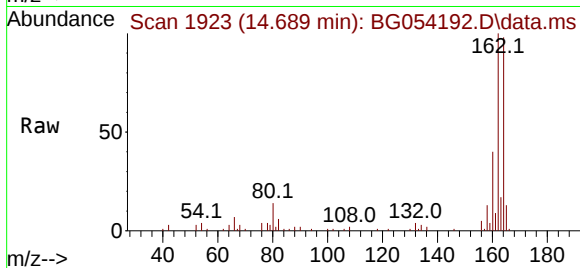
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.433 min Scan# 2390

Delta R.T. -0.008 min

Lab File: BG054192.D

Acq: 1 Jul 2022 15:37

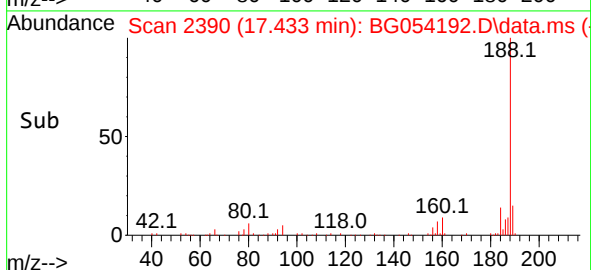
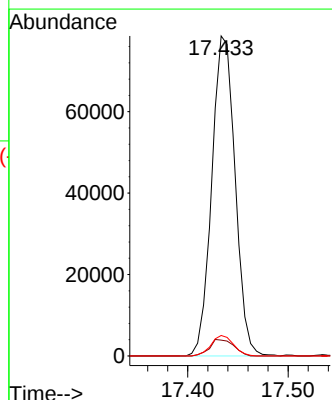
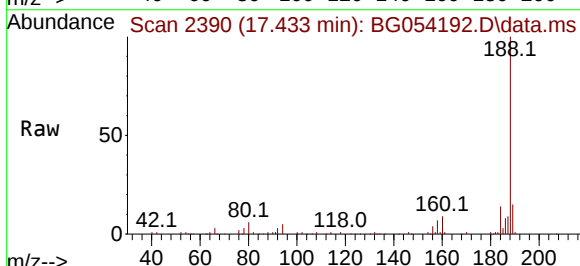
Tgt Ion:188 Resp: 127082

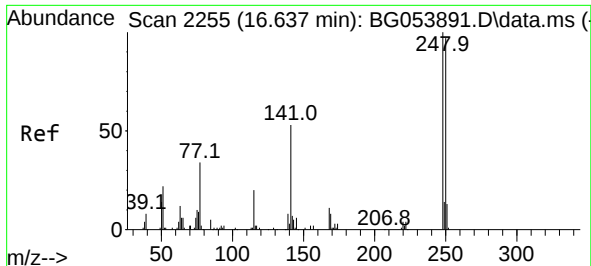
Ion Ratio Lower Upper

188 100

94 5.0 5.4 8.0#

80 6.4 6.8 10.2#

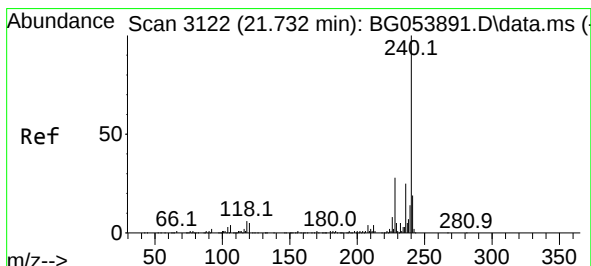
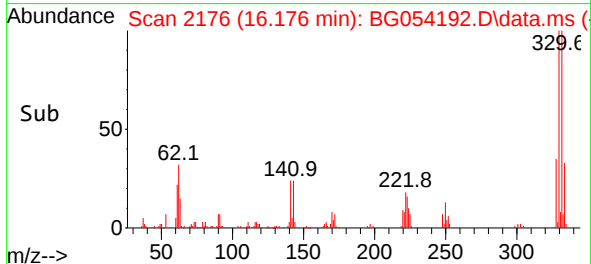
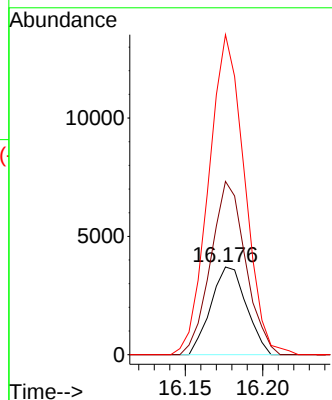
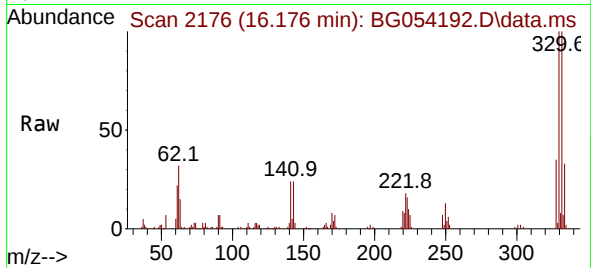




#67
4-Bromophenyl-phenylether
Concen: 3.710 ng
RT: 16.176 min Scan# 2118
Delta R.T. -0.449 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

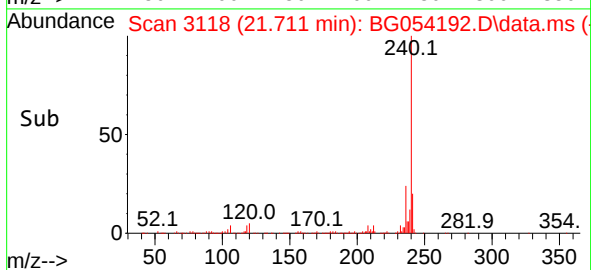
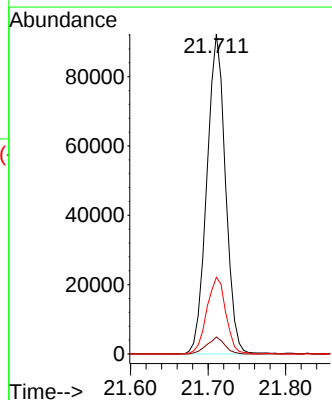
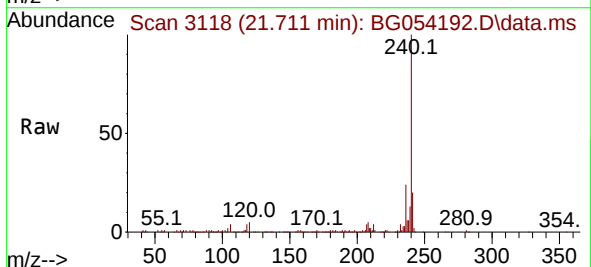
Instrument :
BNA_G
ClientSampleId :
S-3

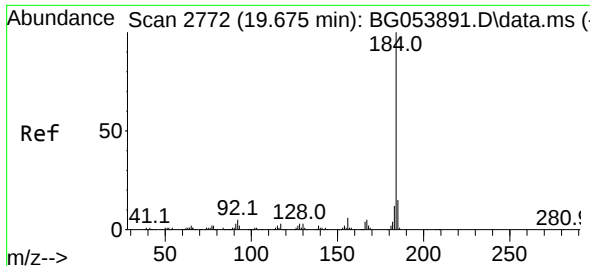
Tgt Ion:248 Resp: 5888
Ion Ratio Lower Upper
248 100
250 256.8 75.2 112.8#
141 365.1 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.711 min Scan# 3118
Delta R.T. -0.008 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

Tgt Ion:240 Resp: 153612
Ion Ratio Lower Upper
240 100
120 5.3 4.6 7.0
236 24.0 20.2 30.4

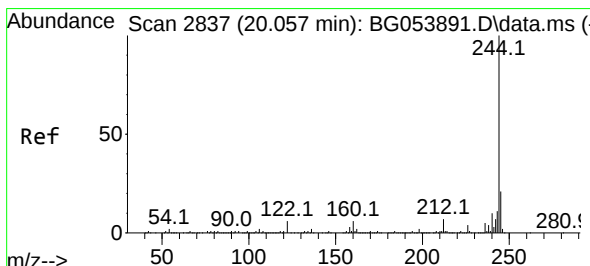
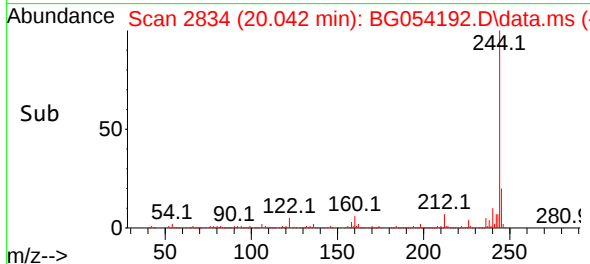
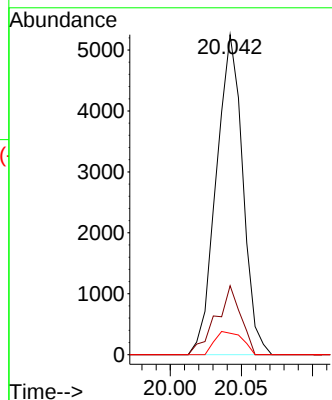
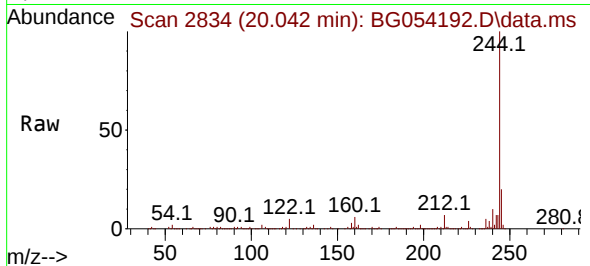




#77
Benzidine
Concen: 2.132 ng
RT: 20.042 min Scan# 2834
Delta R.T. 0.379 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

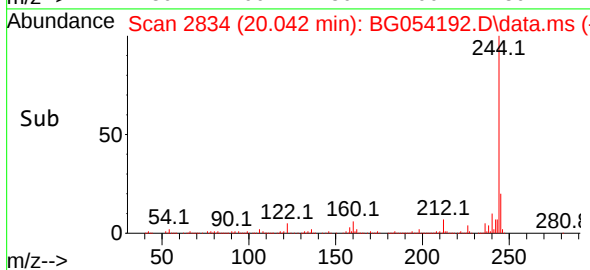
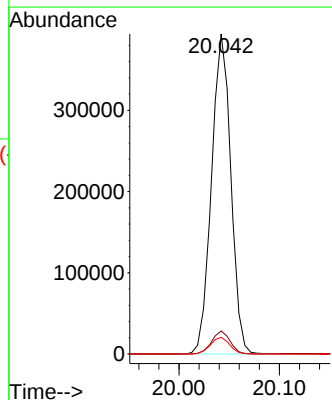
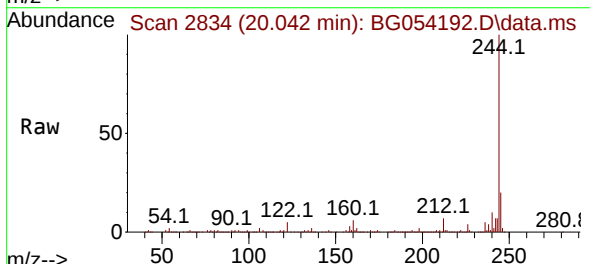
Instrument :
BNA_G
ClientSampleId :
S-3

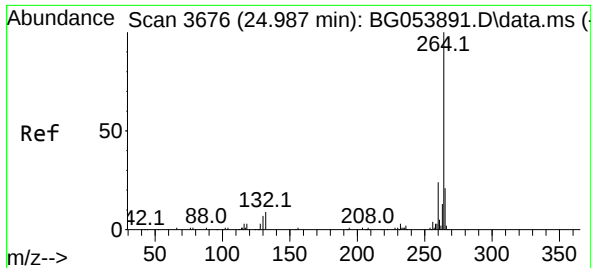
Tgt Ion:184 Resp: 6781
Ion Ratio Lower Upper
184 100
185 21.5 11.8 17.6#
183 6.7 8.9 13.3#



#79
Terphenyl-d14
Concen: 69.123 ng
RT: 20.042 min Scan# 2834
Delta R.T. -0.003 min
Lab File: BG054192.D
Acq: 1 Jul 2022 15:37

Tgt Ion:244 Resp: 527193
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 5.2 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.966 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: BG054192.D
 Acq: 1 Jul 2022 15:37

Instrument :
 BNA_G
 ClientSampleId :
 S-3

Tgt Ion:264 Resp: 156120
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.0 28.6
 265 20.6 17.4 26.2

