

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
 Data File : BG055894.D
 Acq On : 5 Dec 2022 21:13
 Operator : CG/JU
 Sample : N5864-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11991

Quant Time: Dec 06 04:48:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 06 04:41:17 2022
 Response via : Initial Calibration

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

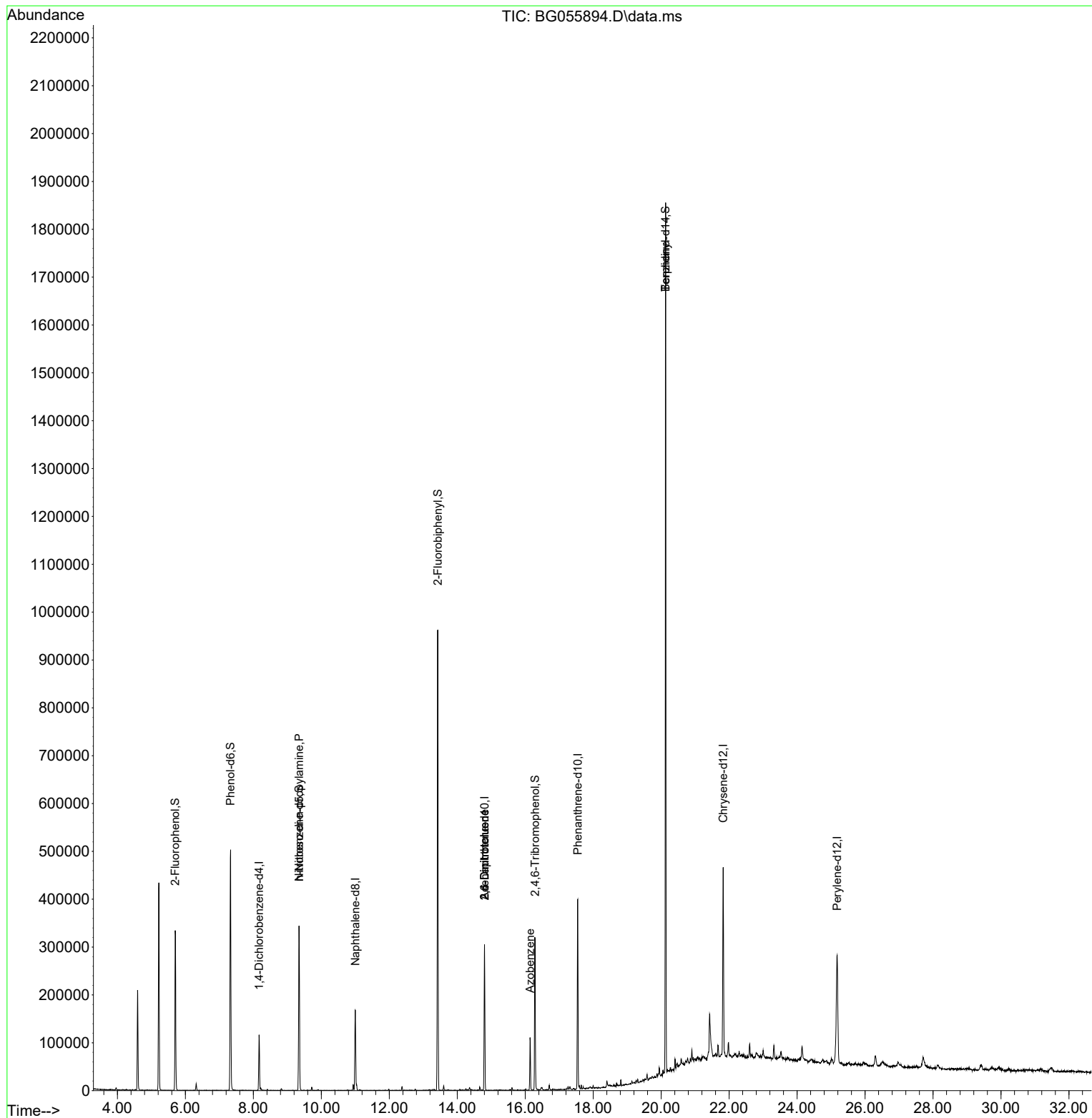
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.170	152	32282	20.000	ng	0.00
21) Naphthalene-d8	11.002	136	145286	20.000	ng	0.00
39) Acenaphthene-d10	14.803	164	109666	20.000	ng	0.00
64) Phenanthrene-d10	17.547	188	260964	20.000	ng	0.00
76) Chrysene-d12	21.824	240	242580	20.000	ng	-0.01
86) Perylene-d12	25.179	264	256629	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	141671	79.324	ng	0.00
7) Phenol-d6	7.330	99	274541	115.478	ng	0.00
23) Nitrobenzene-d5	9.345	82	196650	71.541	ng	0.00
42) 2,4,6-Tribromophenol	16.290	330	68046	44.064	ng	0.00
45) 2-Fluorobiphenyl	13.428	172	515342	70.400	ng	0.00
79) Terphenyl-d14	20.132	244	892405	73.581	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.345	70	26524	14.520	ng	# 85
51) 2,6-Dinitrotoluene	14.803	165	14270	7.983	ng	# 24
57) 2,4-Dinitrotoluene	14.803	165	14270	5.662	ng	# 22
63) Azobenzene	16.143	77	31322	4.059	ng	# 1
77) Benzidine	20.132	184	14286	2.546	ng	# 93

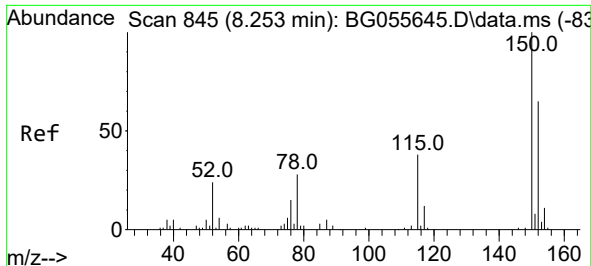
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
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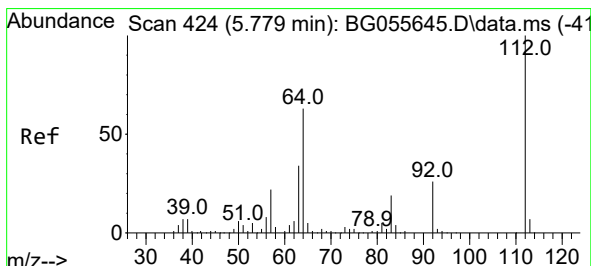
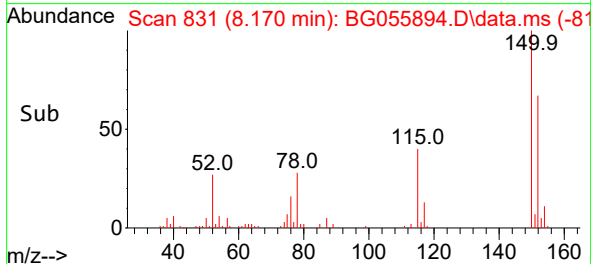
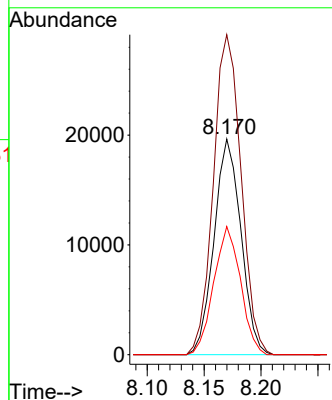
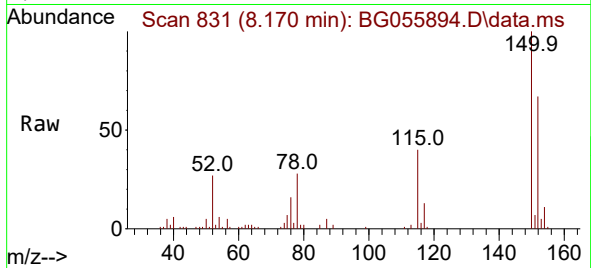




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.170 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

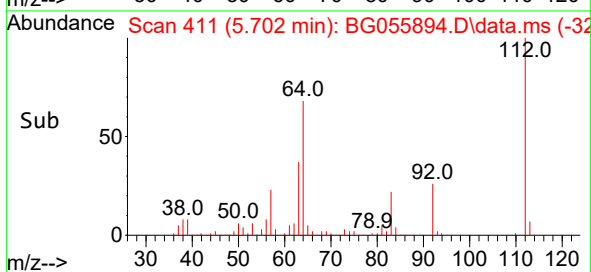
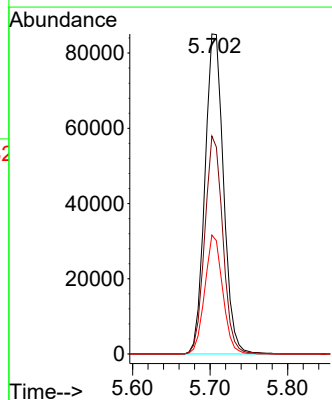
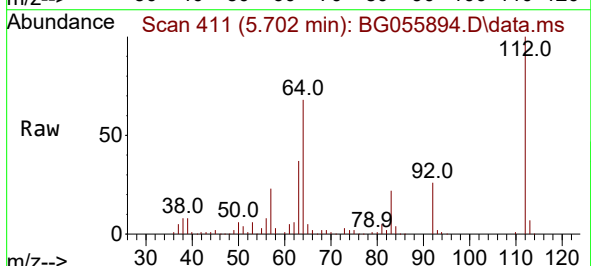
Instrument :
BNA_G
ClientSampleId :
72-11991

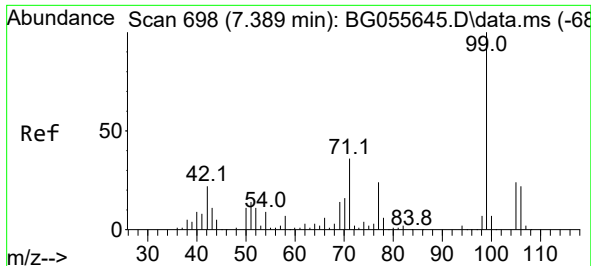
Tgt Ion:152 Resp: 32282
Ion Ratio Lower Upper
152 100
150 148.4 123.0 184.6
115 59.5 47.0 70.4



#5
2-Fluorophenol
Concen: 79.324 ng
RT: 5.702 min Scan# 411
Delta R.T. 0.000 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

Tgt Ion:112 Resp: 141671
Ion Ratio Lower Upper
112 100
64 68.1 50.6 76.0
63 37.2 27.5 41.3

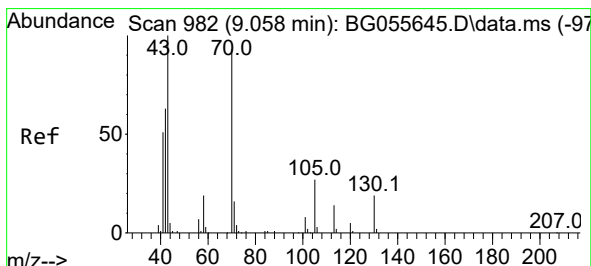
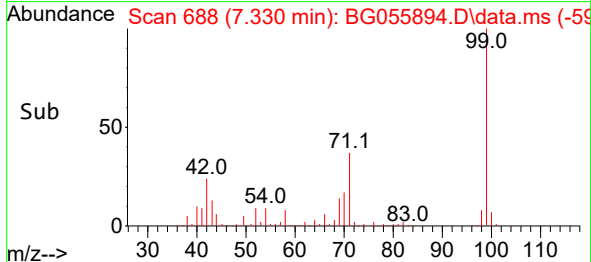
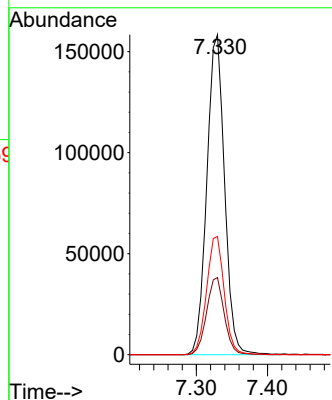
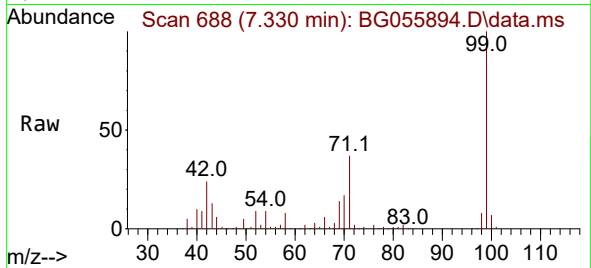




#7
Phenol-d6
Concen: 115.478 ng
RT: 7.330 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

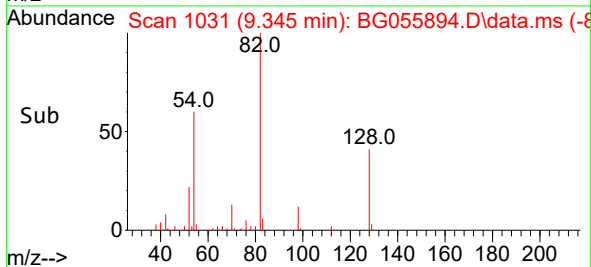
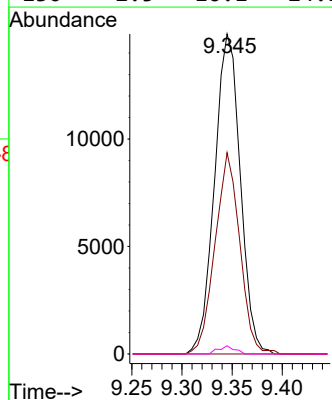
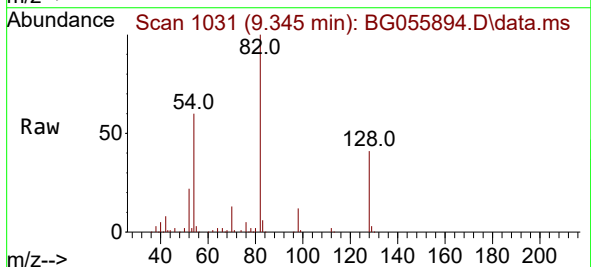
Instrument :
BNA_G
ClientSampleId :
72-11991

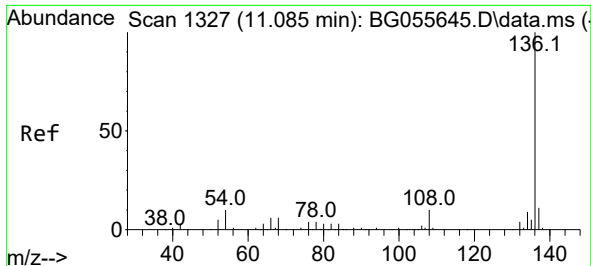
Tgt Ion: 99 Resp: 274541
Ion Ratio Lower Upper
99 100
42 24.1 18.0 27.0
71 37.0 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.520 ng
RT: 9.345 min Scan# 1031
Delta R.T. 0.364 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

Tgt Ion: 70 Resp: 26524
Ion Ratio Lower Upper
70 100
42 62.9 55.2 82.8
101 0.0 7.1 10.7#
130 2.5 16.1 24.1#

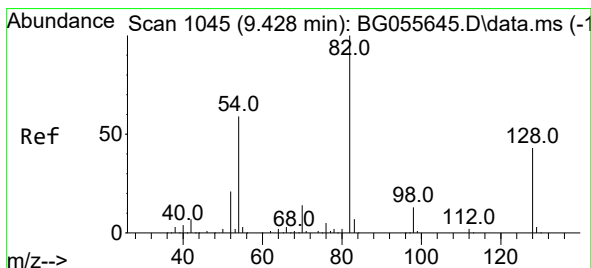
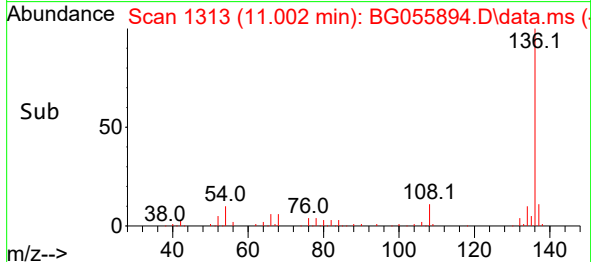
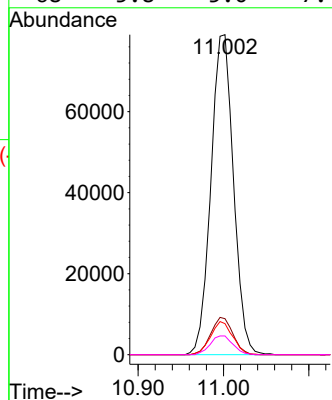
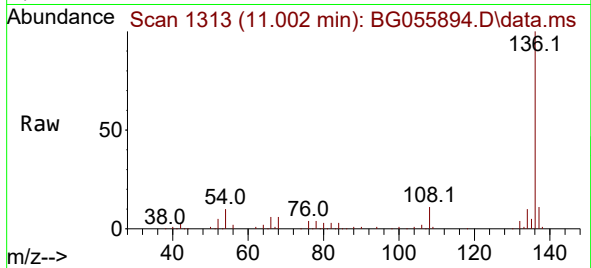




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.002 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

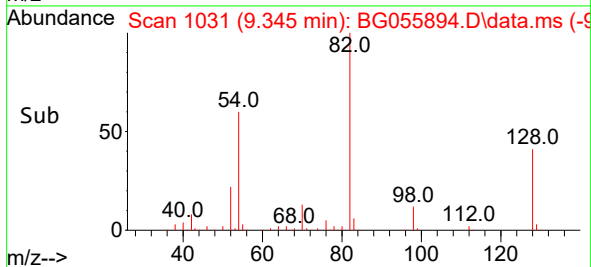
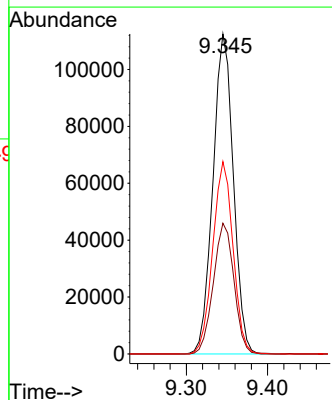
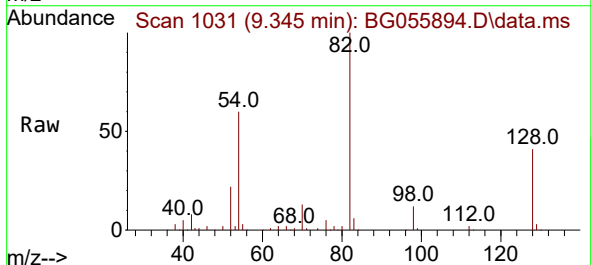
Instrument :
BNA_G
ClientSampleId :
72-11991

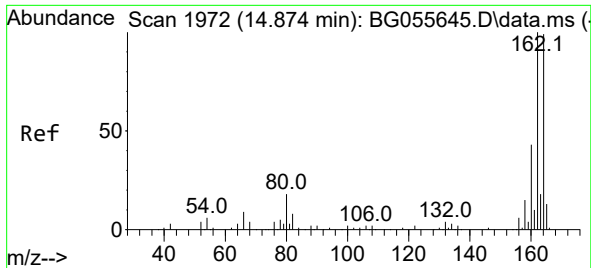
Tgt Ion:	136	Resp:	145286
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	9.7	7.8	11.6
68	5.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 71.541 ng
RT: 9.345 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

Tgt Ion:	82	Resp:	196650
Ion Ratio	Lower	Upper	
82	100		
128	40.9	34.1	51.1
54	60.1	47.3	70.9

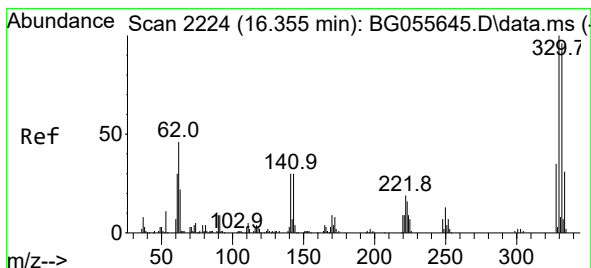
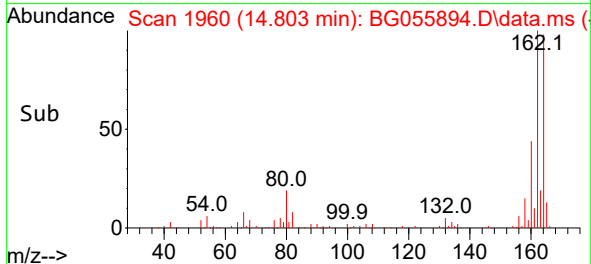
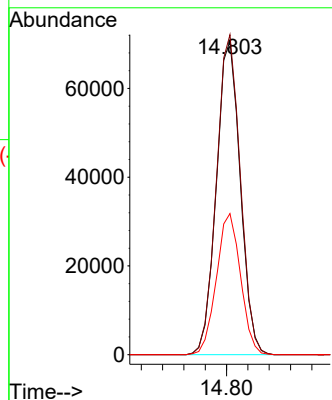
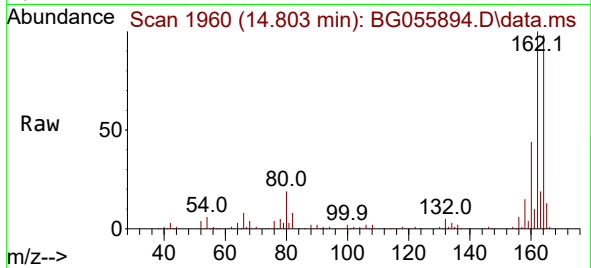




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.803 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

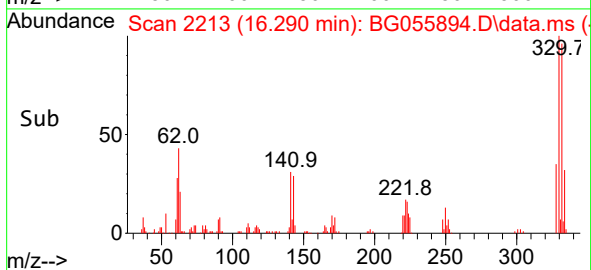
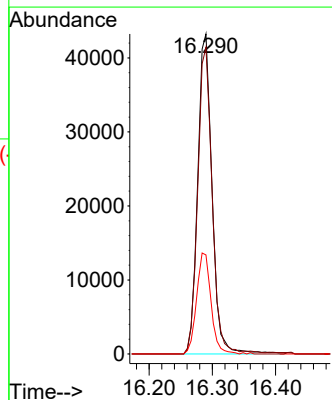
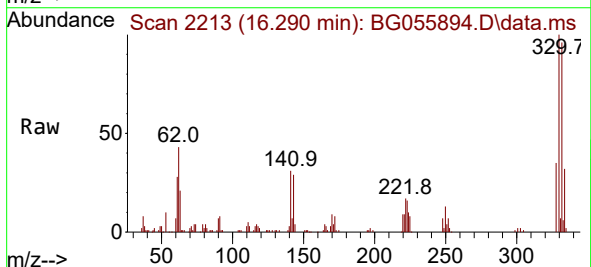
Instrument :
BNA_G
ClientSampleId :
72-11991

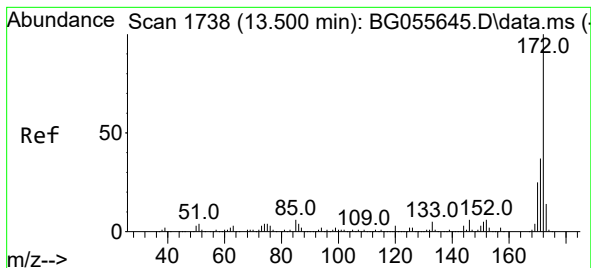
Tgt Ion:164 Resp: 109666
Ion Ratio Lower Upper
164 100
162 102.0 81.1 121.7
160 45.0 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 44.064 ng
RT: 16.290 min Scan# 2213
Delta R.T. -0.006 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

Tgt Ion:330 Resp: 68046
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.8
141 31.7 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 70.400 ng

RT: 13.428 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG055894.D

Acq: 5 Dec 2022 21:13

Instrument :

BNA_G

ClientSampleId :

72-11991

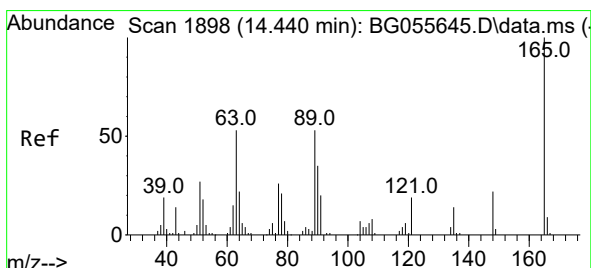
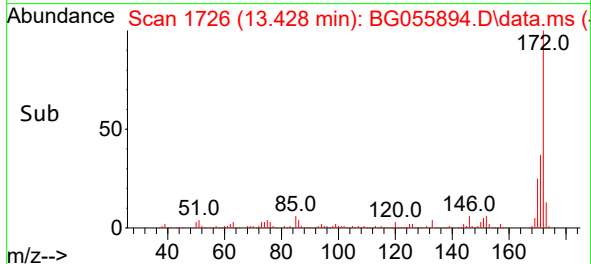
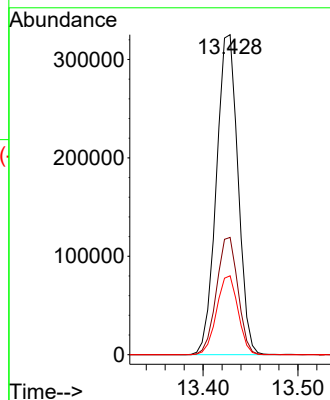
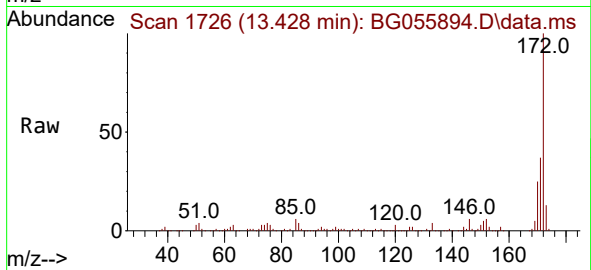
Tgt Ion:172 Resp: 515342

Ion Ratio Lower Upper

172 100

171 36.7 29.8 44.6

170 24.6 20.2 30.4



#51

2,6-Dinitrotoluene

Concen: 7.983 ng

RT: 14.803 min Scan# 1960

Delta R.T. 0.423 min

Lab File: BG055894.D

Acq: 5 Dec 2022 21:13

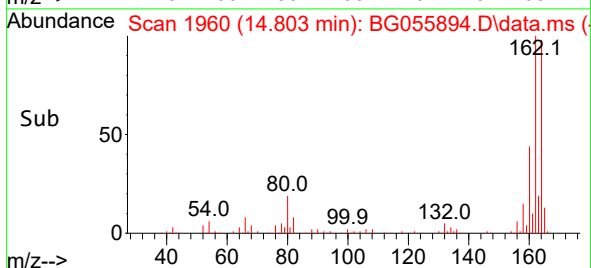
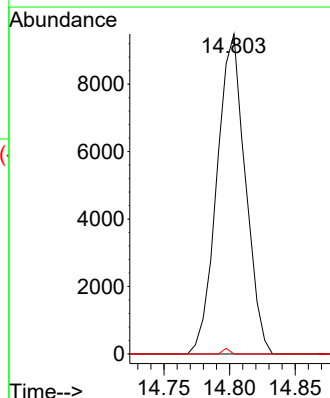
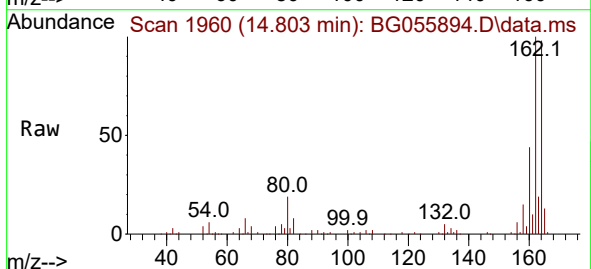
Tgt Ion:165 Resp: 14270

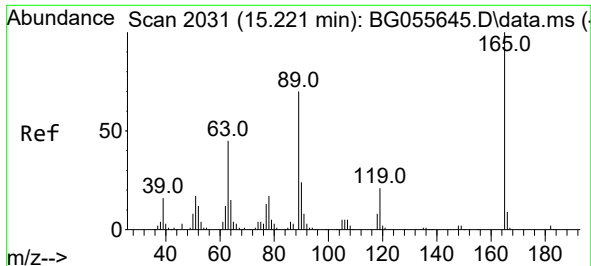
Ion Ratio Lower Upper

165 100

63 0.0 44.6 66.8#

89 0.0 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.662 ng

RT: 14.803 min Scan# 14

Delta R.T. -0.364 min

Lab File: BG055894.D

Acq: 5 Dec 2022 21:13

Instrument :

BNA_G

ClientSampleId :

72-11991

Tgt Ion:165 Resp: 14270

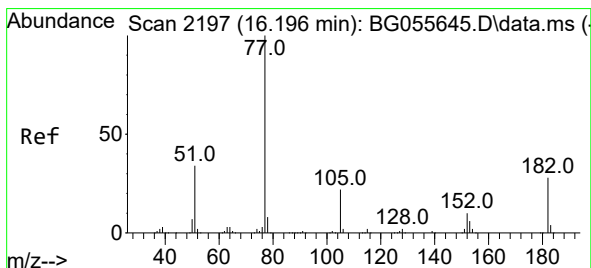
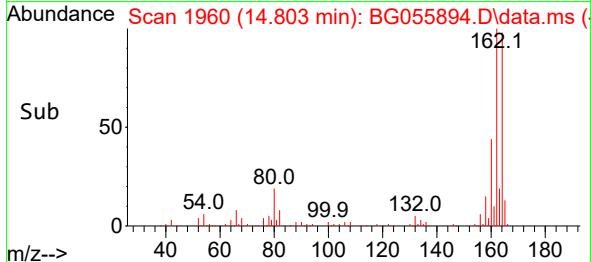
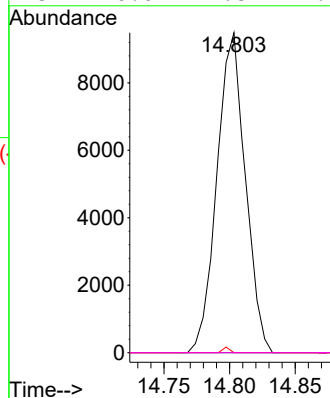
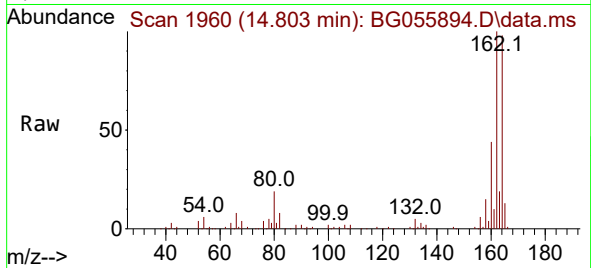
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 0.0 56.2 84.4#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 4.059 ng

RT: 16.143 min Scan# 2188

Delta R.T. 0.018 min

Lab File: BG055894.D

Acq: 5 Dec 2022 21:13

Tgt Ion: 77 Resp: 31322

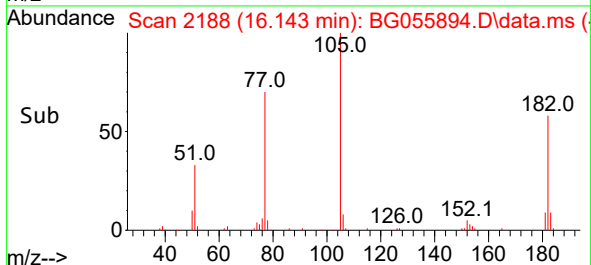
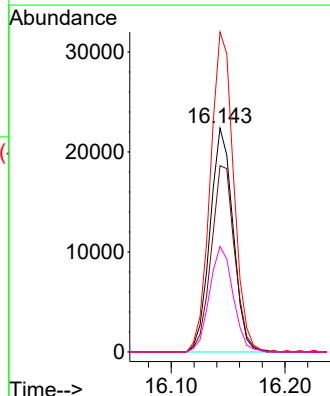
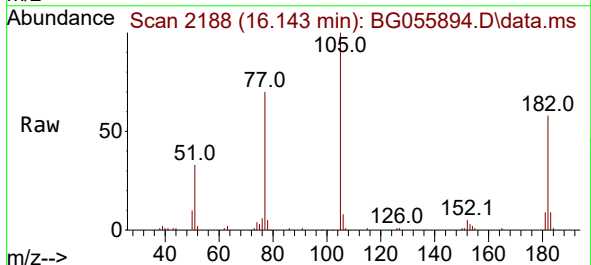
Ion Ratio Lower Upper

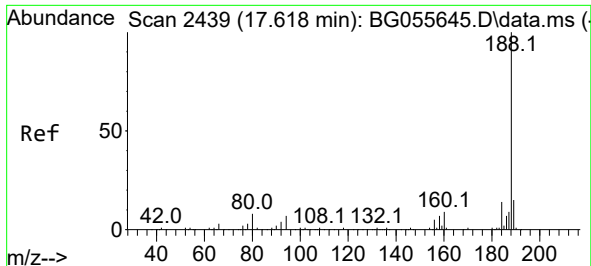
77 100

182 83.2 8.1 48.1#

105 143.0 1.8 41.8#

51 47.1 14.3 54.3

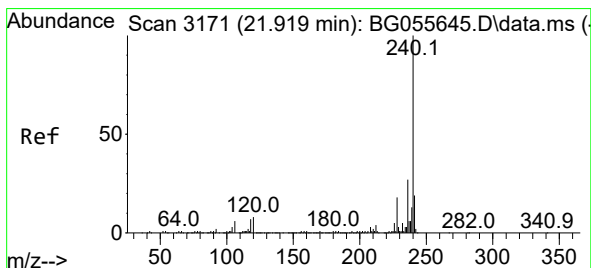
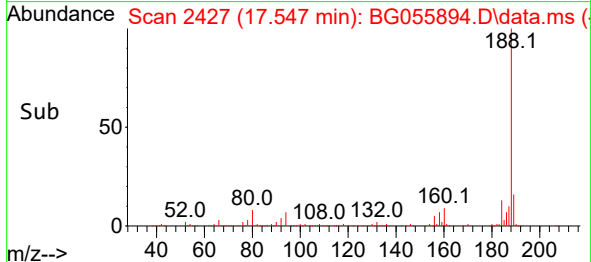
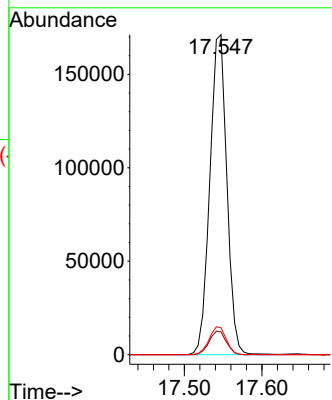
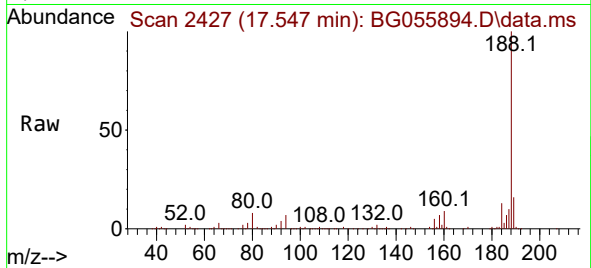




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.547 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

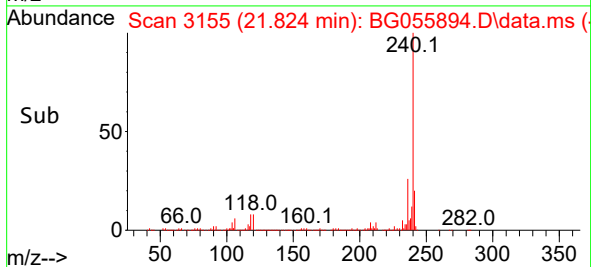
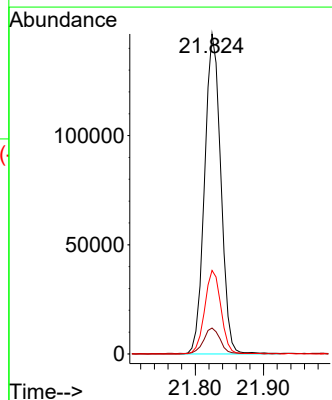
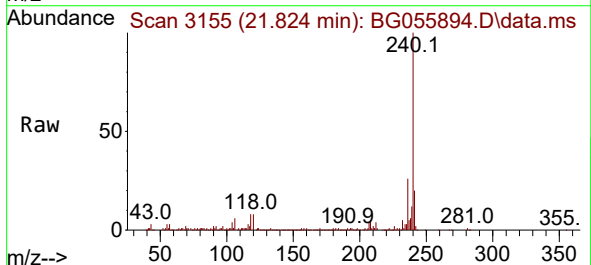
Instrument :
BNA_G
ClientSampleId :
72-11991

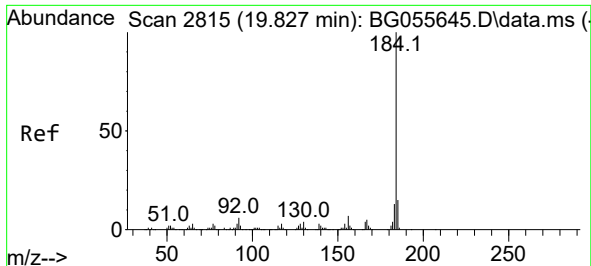
Tgt Ion:188 Resp: 260964
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.2
80 8.5 6.6 10.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.824 min Scan# 3155
Delta R.T. -0.012 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

Tgt Ion:240 Resp: 242580
Ion Ratio Lower Upper
240 100
120 8.1 6.3 9.5
236 26.1 21.9 32.9

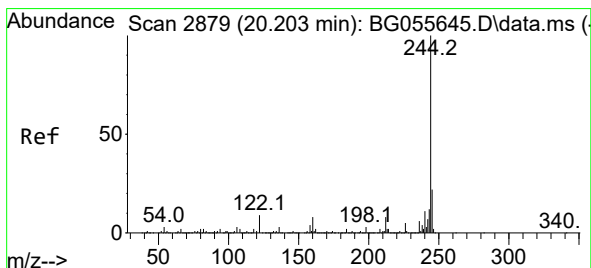
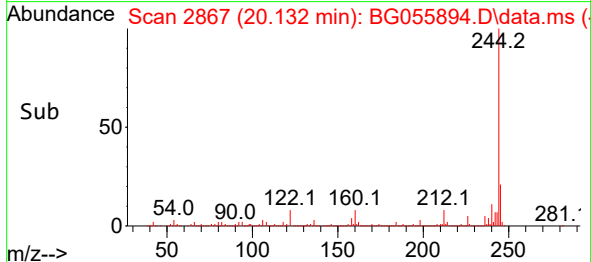
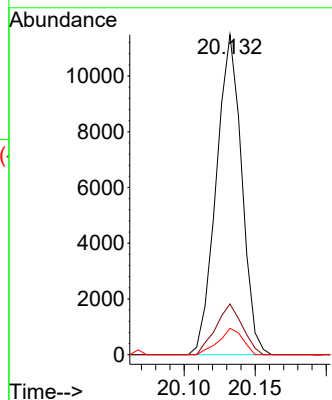
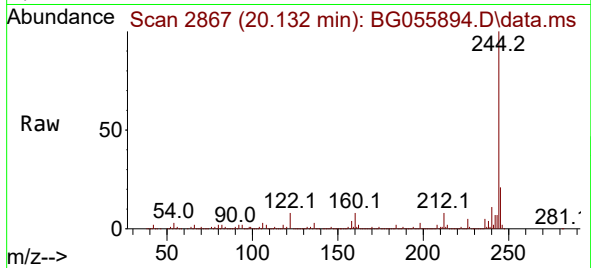




#77
Benzidine
Concen: 2.546 ng
RT: 20.132 min Scan# 2867
Delta R.T. 0.370 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

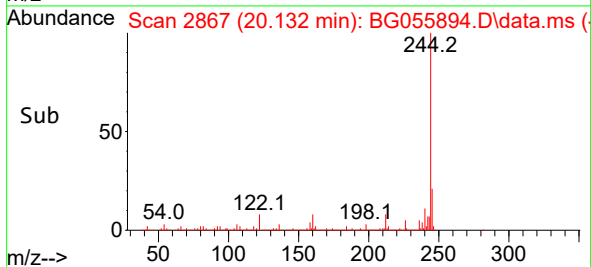
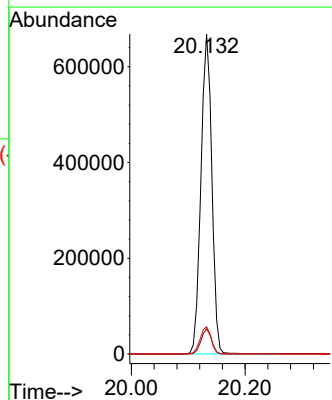
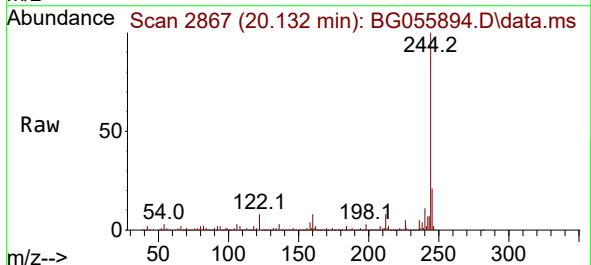
Instrument :
BNA_G
ClientSampleId :
72-11991

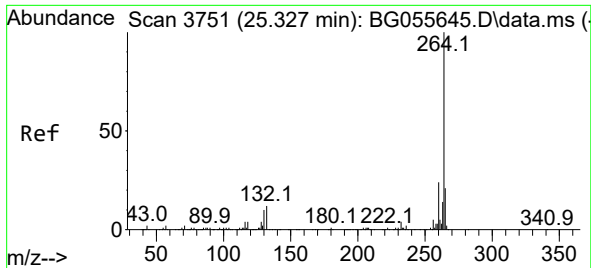
Tgt Ion:184 Resp: 14286
Ion Ratio Lower Upper
184 100
185 15.8 11.8 17.8
183 8.3 10.6 15.8#



#79
Terphenyl-d14
Concen: 73.581 ng
RT: 20.132 min Scan# 2867
Delta R.T. -0.006 min
Lab File: BG055894.D
Acq: 5 Dec 2022 21:13

Tgt Ion:244 Resp: 892405
Ion Ratio Lower Upper
244 100
212 7.8 6.3 9.5
122 8.5 6.9 10.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.179 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG055894.D

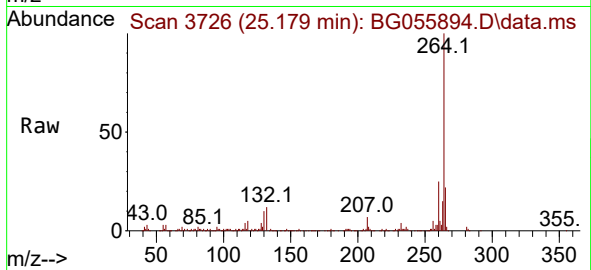
Acq: 5 Dec 2022 21:13

Instrument :

BNA_G

ClientSampleId :

72-11991



Tgt Ion:264 Resp: 256629

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 21.6 17.1 25.7

