

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060623\
 Data File : BG057663.D
 Acq On : 7 Jun 2023 9:23
 Operator : CG/JU
 Sample : 02953-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PNNL-RH-524-2

Quant Time: Jun 07 10:18:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:51:58 2023
 Response via : Initial Calibration

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

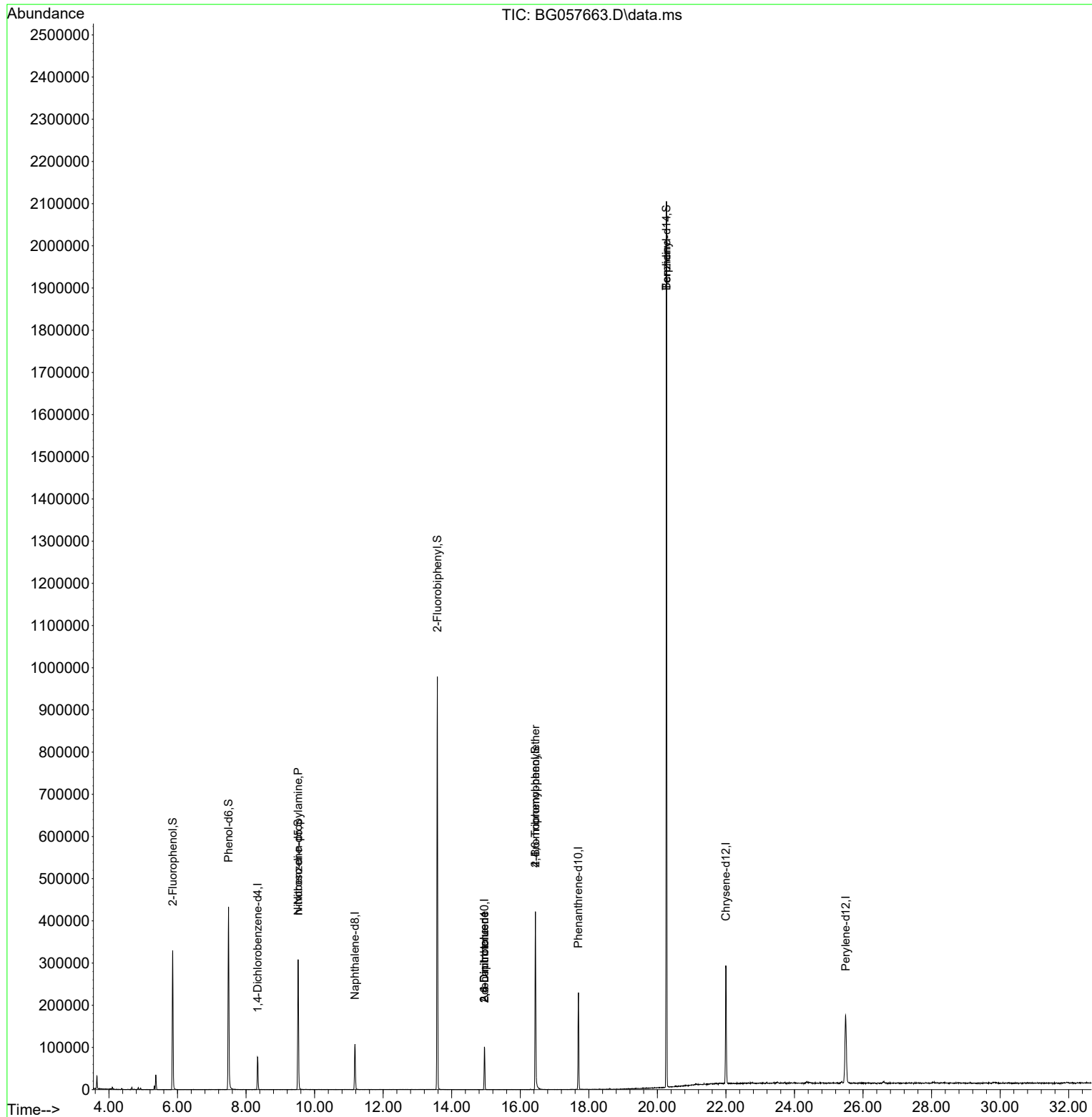
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.334	152	23304	20.000	ng	0.00
21) Naphthalene-d8	11.177	136	99075	20.000	ng	0.00
39) Acenaphthene-d10	14.955	164	40156	20.000	ng	0.00
64) Phenanthrene-d10	17.698	188	154191	20.000	ng	0.00
76) Chrysene-d12	21.998	240	183842	20.000	ng	# 0.00
86) Perylene-d12	25.493	264	194277	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	152691	113.831	ng	0.00
7) Phenol-d6	7.488	99	286235	136.351	ng	0.00
23) Nitrobenzene-d5	9.521	82	205031	96.739	ng	0.00
42) 2,4,6-Tribromophenol	16.441	330	100968	157.049	ng	0.00
45) 2-Fluorobiphenyl	13.580	172	522010	186.819	ng	0.00
79) Terphenyl-d14	20.265	244	1067451	100.579	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.521	70	27028	18.532	ng	# 78
51) 2,6-Dinitrotoluene	14.955	165	4995	7.050	ng	# 27
57) 2,4-Dinitrotoluene	14.955	165	4995	4.709	ng	# 25
67) 4-Bromophenyl-phenylether	16.441	248	6389	3.694	ng	# 1
77) Benzidine	20.265	184	14729	2.648	ng	# 94

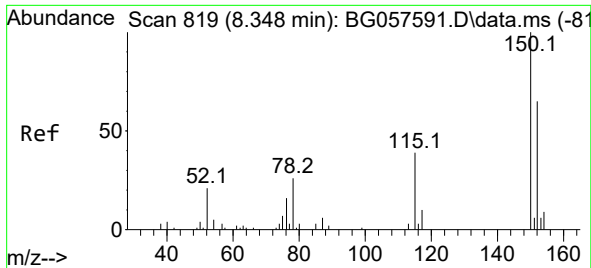
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060623\
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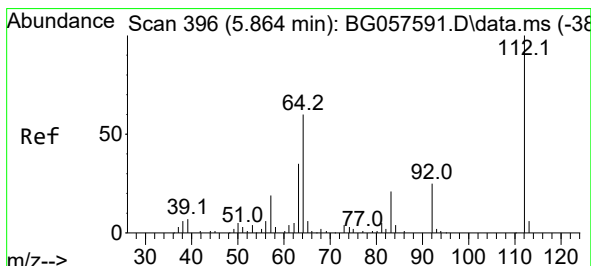
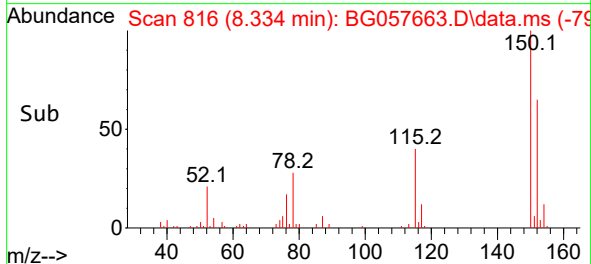
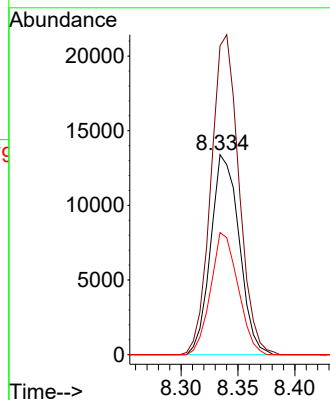
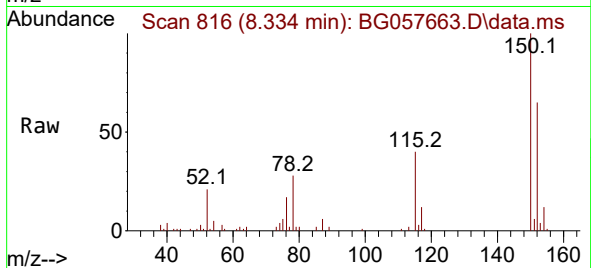




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.334 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

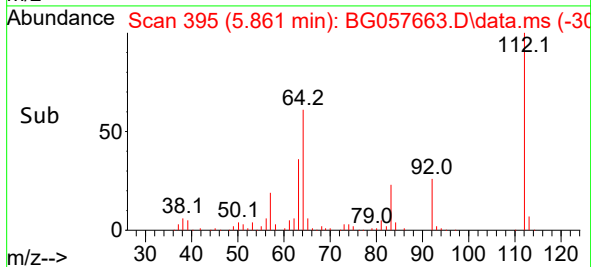
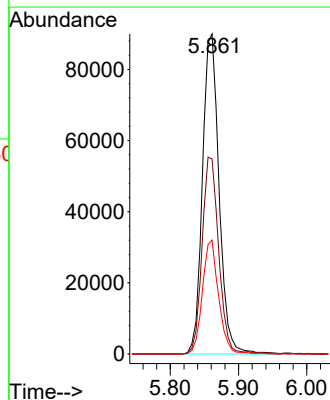
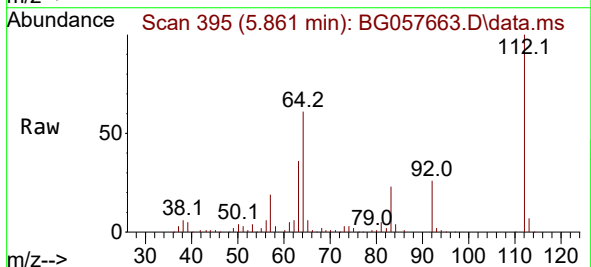
Instrument :
BNA_M
ClientSampleId :
PNNL-RH-524-2

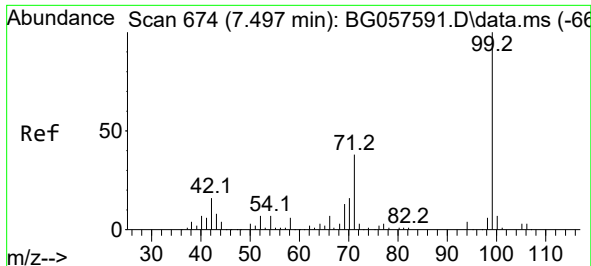
Tgt Ion:152 Resp: 23304
Ion Ratio Lower Upper
152 100
150 154.4 123.0 184.4
115 61.0 47.4 71.2



#5
2-Fluorophenol
Concen: 113.831 ng
RT: 5.861 min Scan# 395
Delta R.T. 0.006 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

Tgt Ion:112 Resp: 152691
Ion Ratio Lower Upper
112 100
64 61.0 47.8 71.6
63 35.6 27.8 41.8

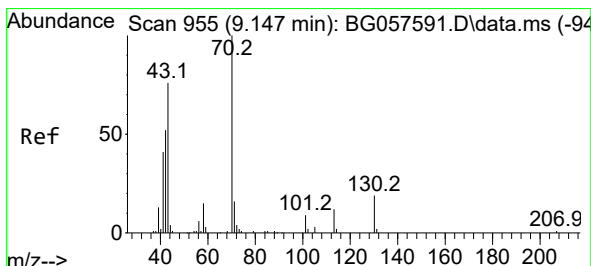
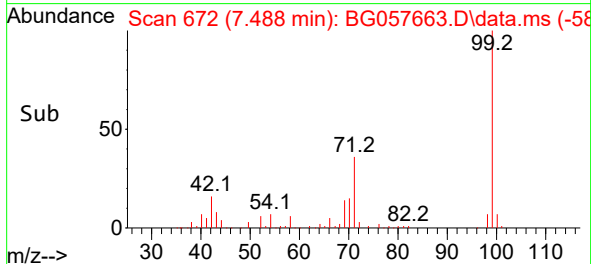
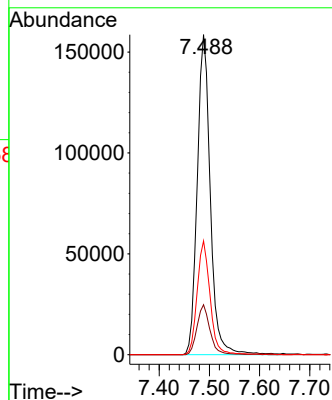
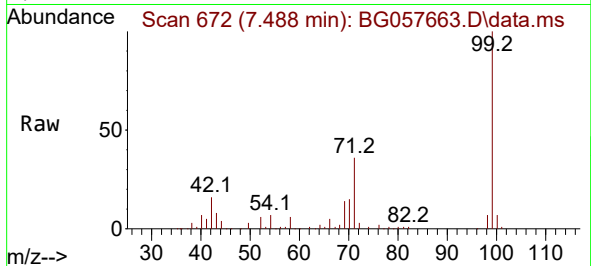




#7
Phenol-d6
Concen: 136.351 ng
RT: 7.488 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

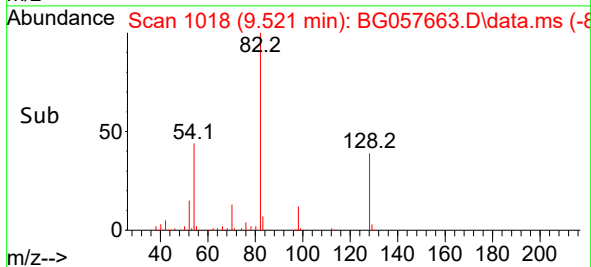
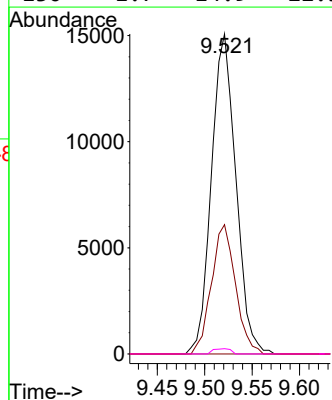
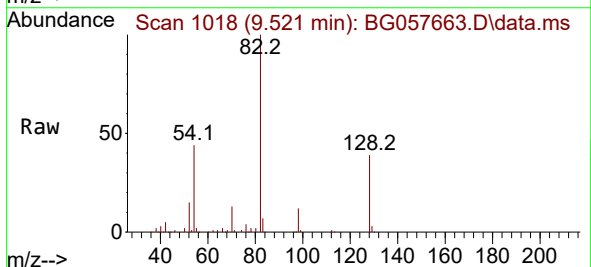
Instrument :
BNA_M
ClientSampleId :
PNNL-RH-524-2

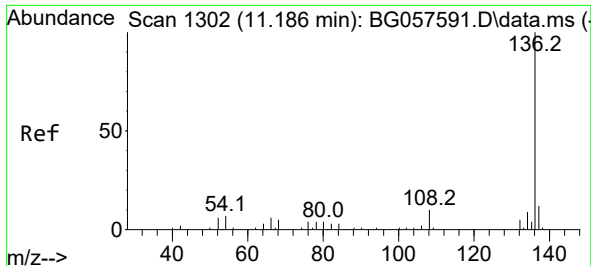
Tgt Ion: 99 Resp: 286235
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 35.5 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 18.532 ng
RT: 9.521 min Scan# 1018
Delta R.T. 0.382 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

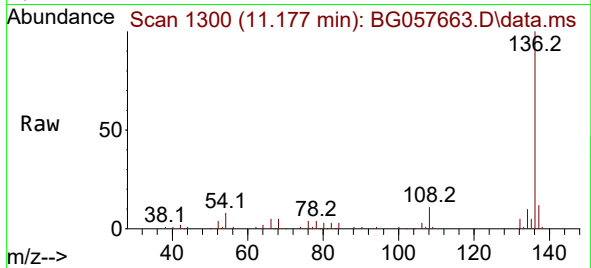
Tgt Ion: 70 Resp: 27028
Ion Ratio Lower Upper
70 100
42 40.4 41.4 62.0#
101 0.0 6.9 10.3#
130 1.7 14.9 22.3#



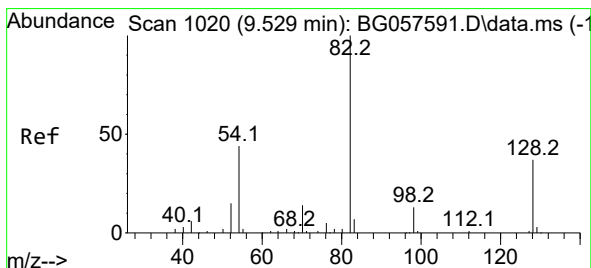
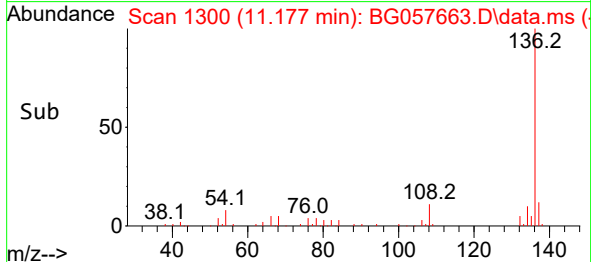
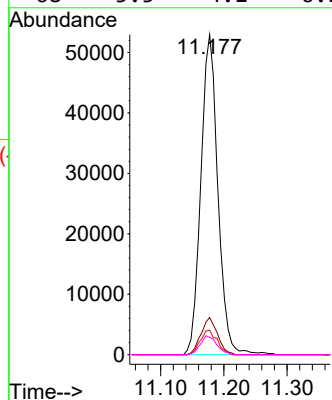


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.177 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

Instrument :
BNA_M
ClientSampleId :
PNNL-RH-524-2

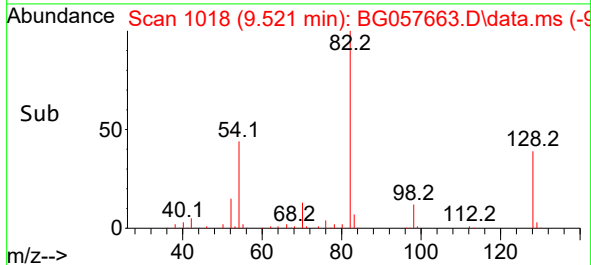
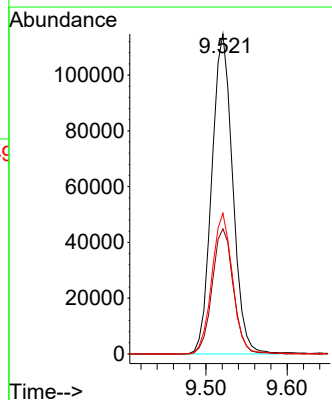
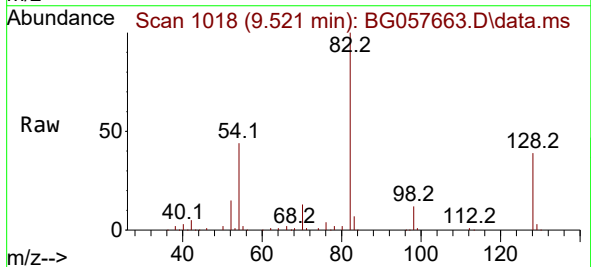


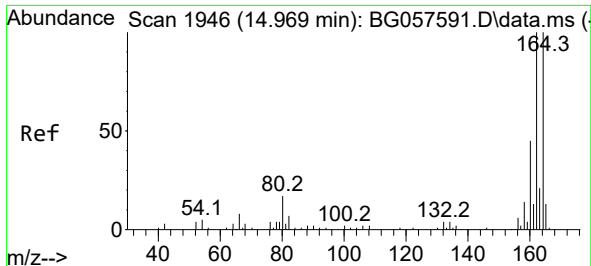
Tgt Ion:136 Resp: 99075
Ion Ratio Lower Upper
136 100
137 11.6 9.8 14.8
54 7.7 5.8 8.6
68 5.5 4.1 6.1



#23
Nitrobenzene-d5
Concen: 96.739 ng
RT: 9.521 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

Tgt Ion: 82 Resp: 205031
Ion Ratio Lower Upper
82 100
128 39.1 30.0 45.0
54 44.0 35.2 52.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.955 min Scan# 1943

Delta R.T. -0.005 min

Lab File: BG057663.D

Acq: 7 Jun 2023 9:23

Instrument :

BNA_M

ClientSampleId :

PNNL-RH-524-2

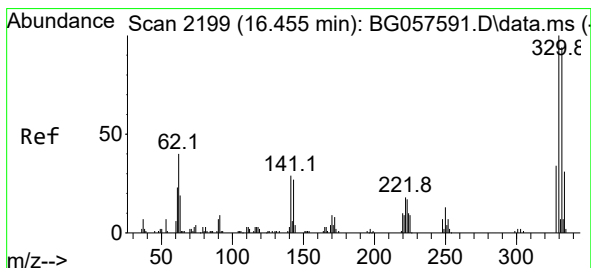
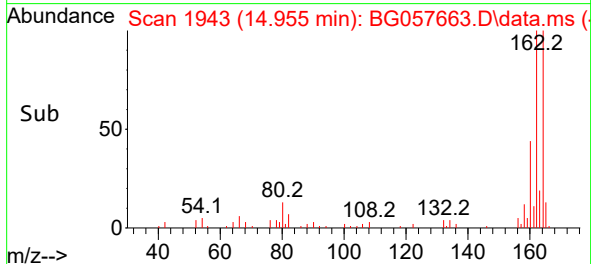
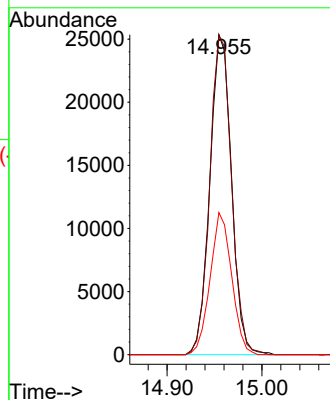
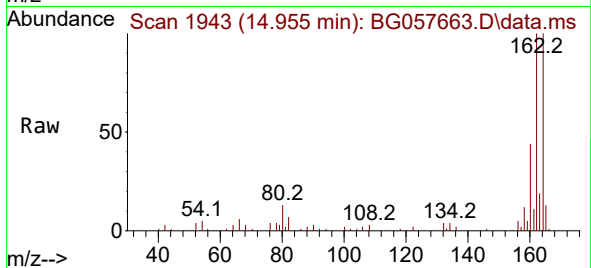
Tgt Ion:164 Resp: 40156

Ion Ratio Lower Upper

164 100

162 99.8 80.1 120.1

160 44.4 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 157.049 ng

RT: 16.441 min Scan# 2196

Delta R.T. -0.005 min

Lab File: BG057663.D

Acq: 7 Jun 2023 9:23

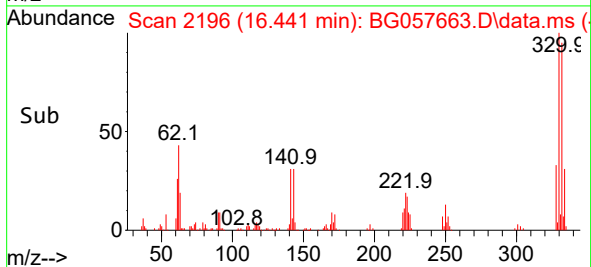
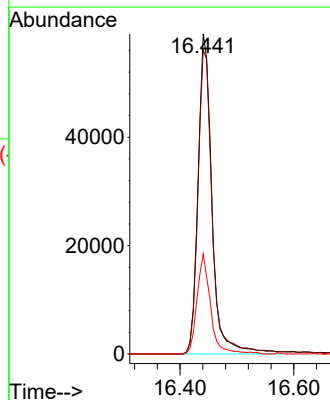
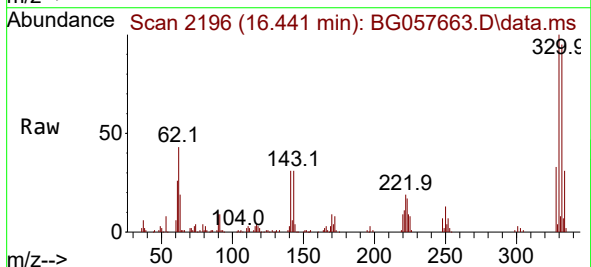
Tgt Ion:330 Resp: 100968

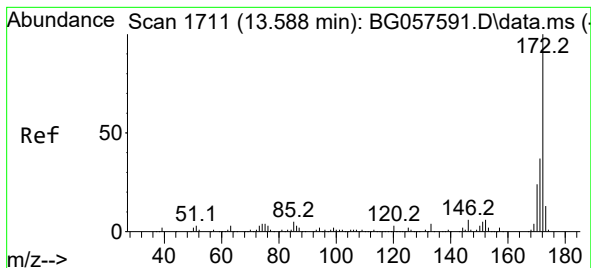
Ion Ratio Lower Upper

330 100

332 98.7 77.3 115.9

141 29.9 24.6 37.0

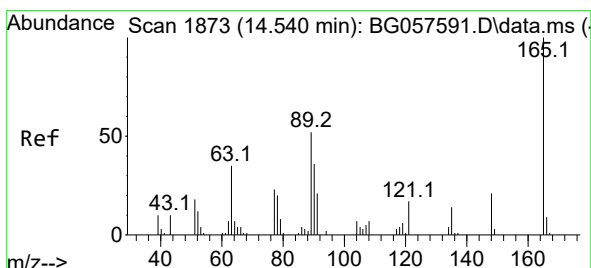
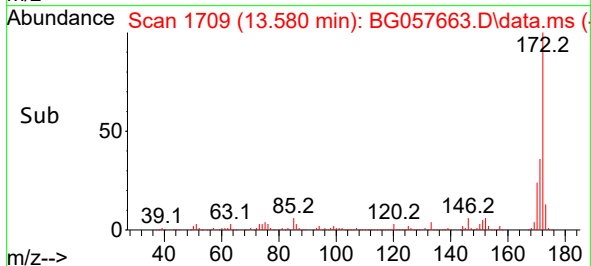
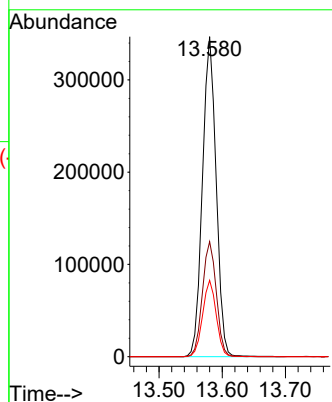
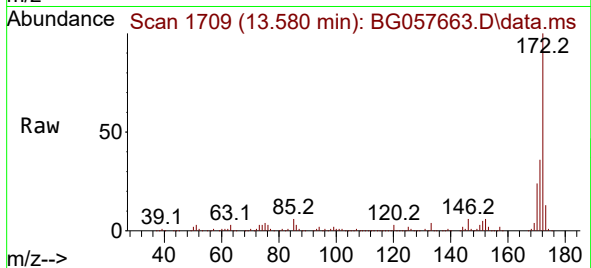




#45
2-Fluorobiphenyl
Concen: 186.819 ng
RT: 13.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

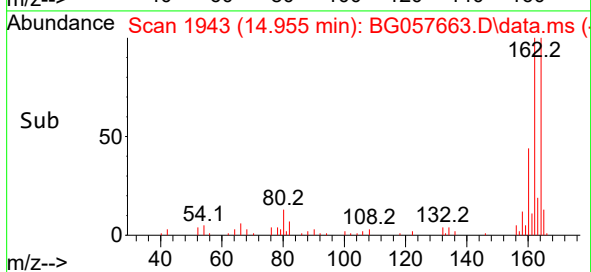
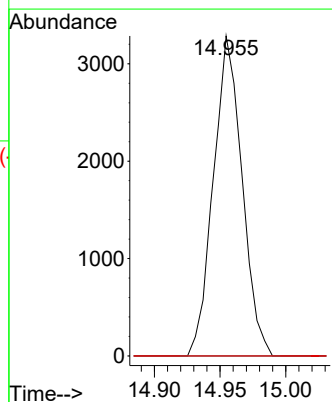
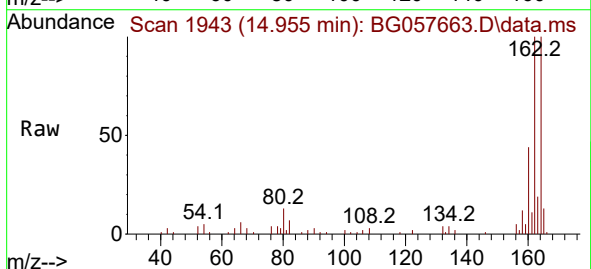
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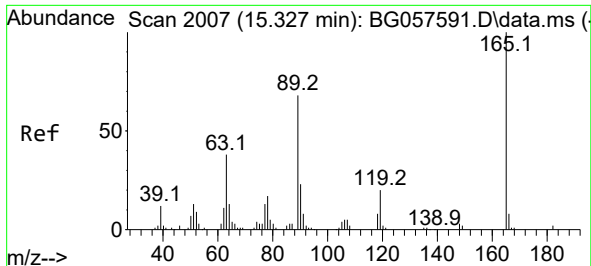
Tgt Ion:172 Resp: 522010
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 23.9 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.050 ng
RT: 14.955 min Scan# 1943
Delta R.T. 0.423 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

Tgt Ion:165 Resp: 4995
Ion Ratio Lower Upper
165 100
63 0.0 39.3 58.9#
89 0.0 41.5 62.3#





#57

2,4-Dinitrotoluene

Concen: 4.709 ng

RT: 14.955 min Scan# 14

Delta R.T. -0.370 min

Lab File: BG057663.D

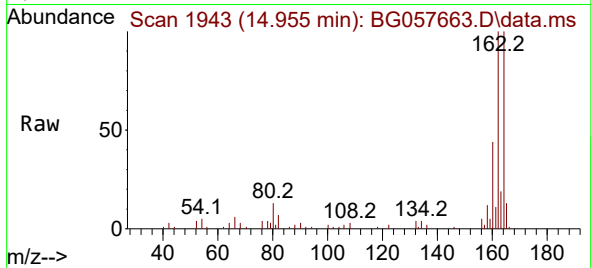
Acq: 7 Jun 2023 9:23

Instrument :

BNA_M

ClientSampleId :

PNNL-RH-524-2



Tgt Ion:165 Resp: 4995

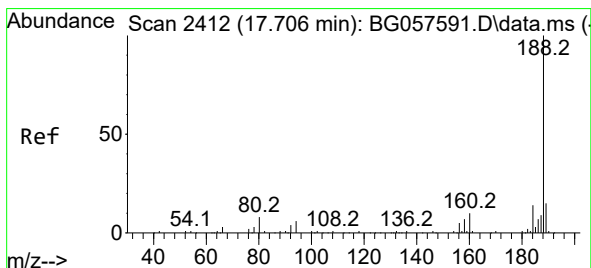
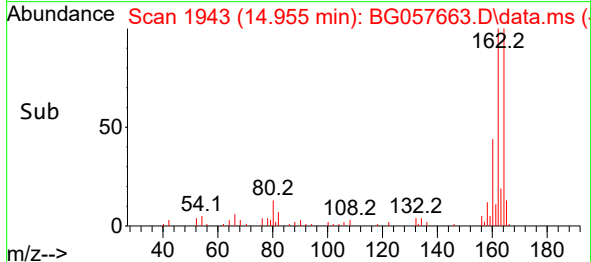
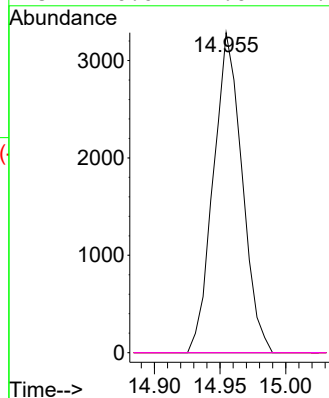
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 0.0 54.2 81.2#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.698 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BG057663.D

Acq: 7 Jun 2023 9:23

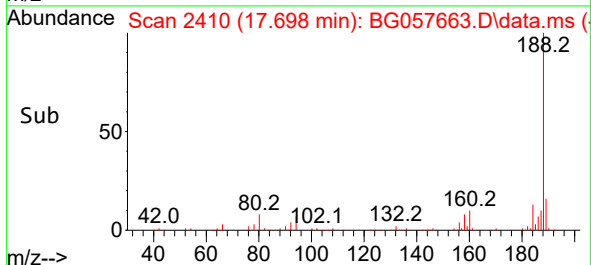
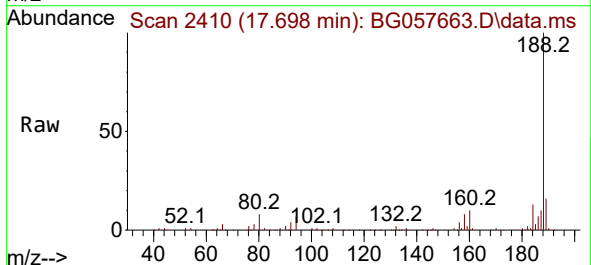
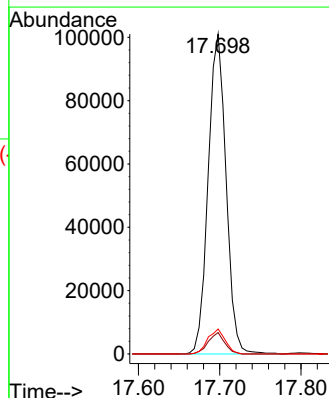
Tgt Ion:188 Resp: 154191

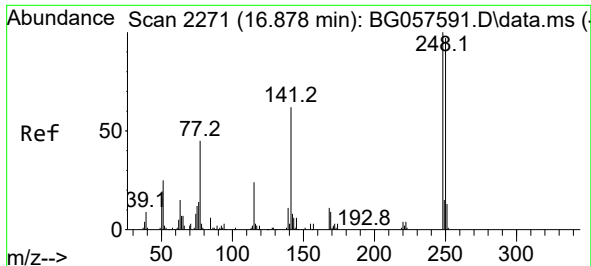
Ion Ratio Lower Upper

188 100

94 6.7 5.2 7.8

80 7.8 6.7 10.1

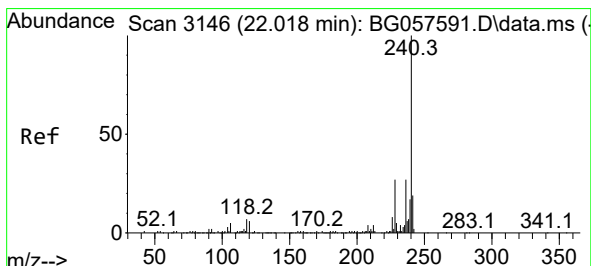
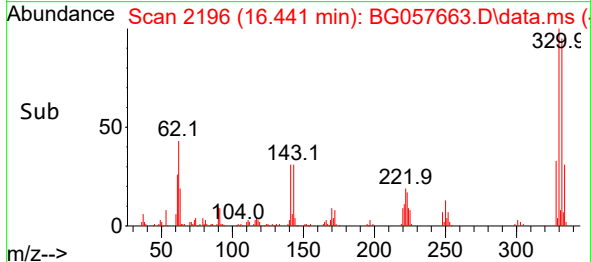
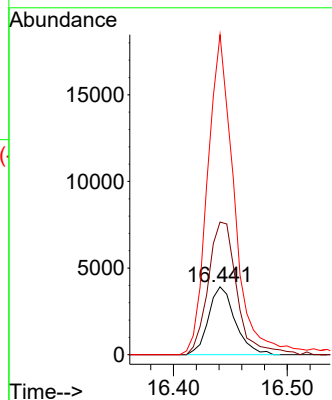
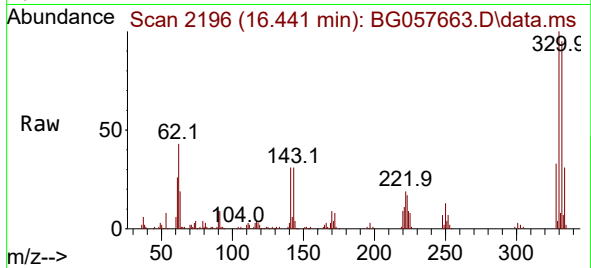




#67
4-Bromophenyl-phenylether
Concen: 3.694 ng
RT: 16.441 min Scan# 2196
Delta R.T. -0.428 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

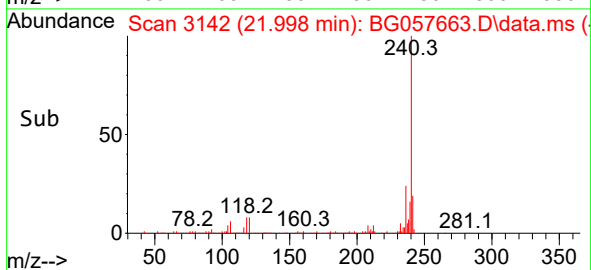
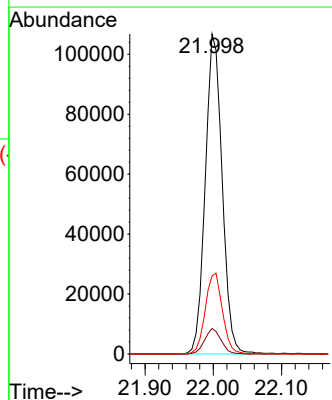
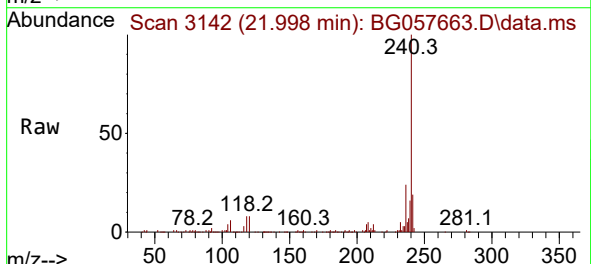
Instrument :
BNA_M
ClientSampleId :
PNNL-RH-524-2

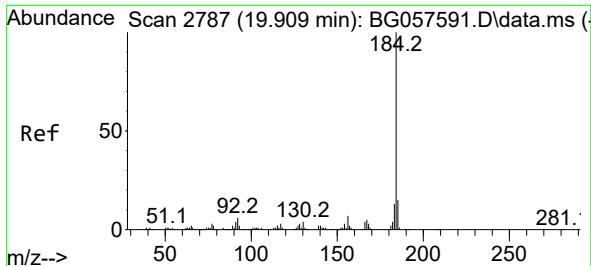
Tgt Ion:248 Resp: 6389
Ion Ratio Lower Upper
248 100
250 195.2 77.4 116.2#
141 471.2 49.4 74.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.998 min Scan# 3142
Delta R.T. -0.005 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

Tgt Ion:240 Resp: 183842
Ion Ratio Lower Upper
240 100
120 8.0 5.2 7.8#
236 24.4 21.4 32.0

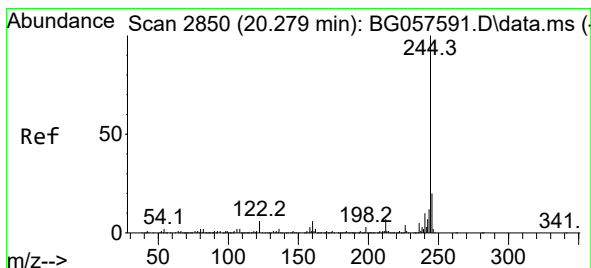
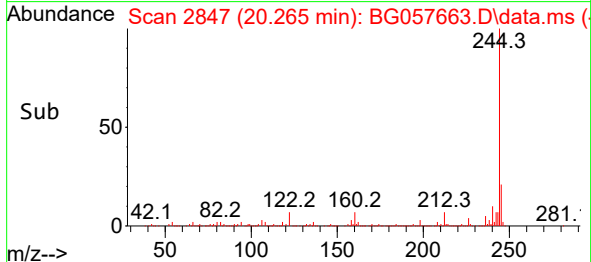
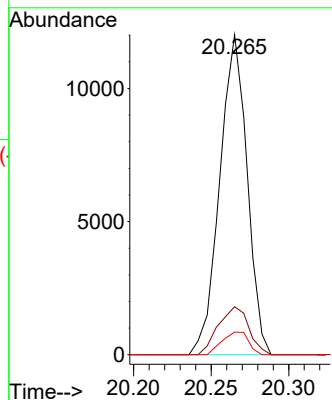
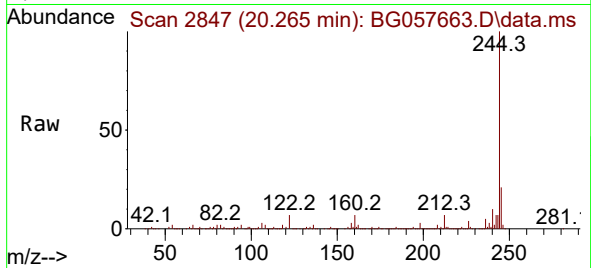




#77
Benzidine
Concen: 2.648 ng
RT: 20.265 min Scan# 2847
Delta R.T. 0.371 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

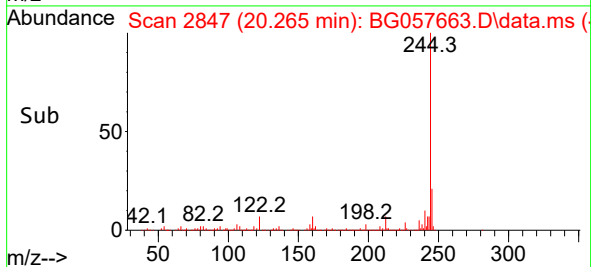
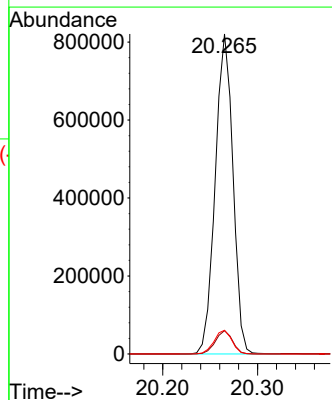
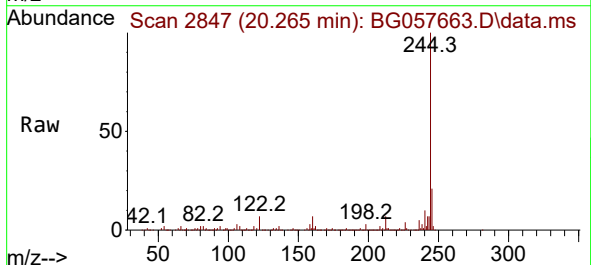
Instrument :
BNA_M
ClientSampleId :
PNNL-RH-524-2

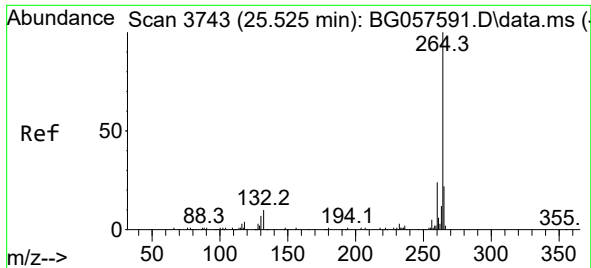
Tgt Ion:184 Resp: 14729
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 7.0 10.0 15.0#



#79
Terphenyl-d14
Concen: 100.579 ng
RT: 20.265 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

Tgt Ion:244 Resp: 1067451
Ion Ratio Lower Upper
244 100
212 7.3 5.6 8.4
122 7.4 4.8 7.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.493 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG057663.D
Acq: 7 Jun 2023 9:23

Instrument :
BNA_M
ClientSampleId :
PNNL-RH-524-2

Tgt Ion:264 Resp: 194277
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.9 17.7 26.5

