

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
 Data File : BG057624.D
 Acq On : 31 May 2023 16:36
 Operator : CG/JU
 Sample : 02953-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PNNL-RH-524-1

Quant Time: Jun 01 03:55:16 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)

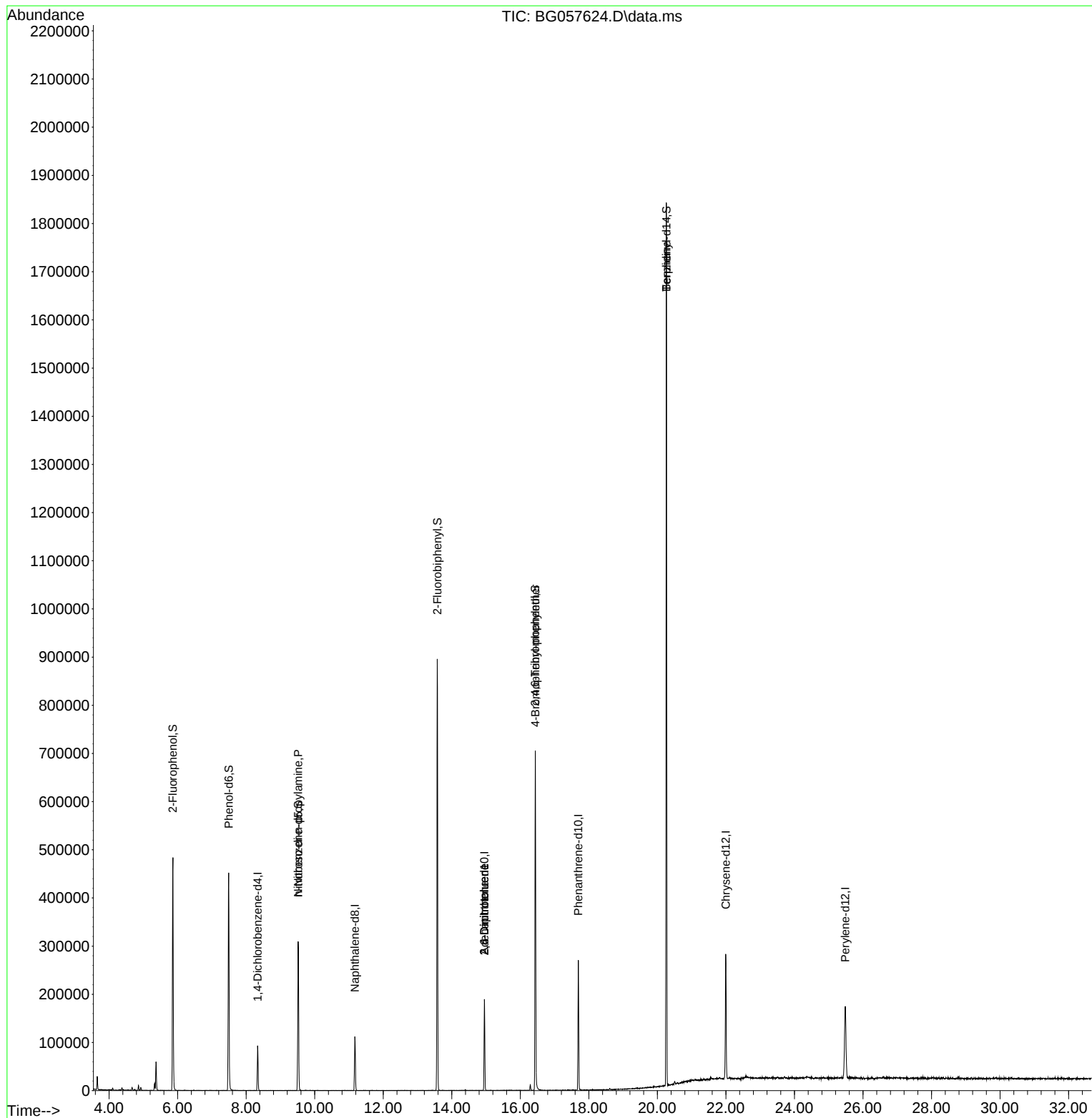
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.336	152	26516	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	99634	20.000	ng	0.00
39) Acenaphthene-d10	14.951	164	70256	20.000	ng	0.00
64) Phenanthrene-d10	17.694	188	179028	20.000	ng	0.00
76) Chrysene-d12	21.994	240	166583	20.000	ng	0.00
86) Perylene-d12	25.484	264	175264	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.863	112	220948	144.763	ng	0.00
7) Phenol-d6	7.490	99	287029	120.166	ng	0.00
23) Nitrobenzene-d5	9.517	82	209485	98.286	ng	0.00
42) 2,4,6-Tribromophenol	16.437	330	156746	139.352	ng	0.00
45) 2-Fluorobiphenyl	13.576	172	484823	99.173	ng	0.00
79) Terphenyl-d14	20.261	244	926210	96.312	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.517	70	28359	17.089	ng	# 78
51) 2,6-Dinitrotoluene	14.951	165	9318	7.517	ng	# 27
57) 2,4-Dinitrotoluene	14.951	165	9318	5.021	ng	# 25
67) 4-Bromophenyl-phenylether	16.443	248	10729	5.343	ng	# 1
77) Benzidine	20.261	184	13353	2.649	ng	# 92

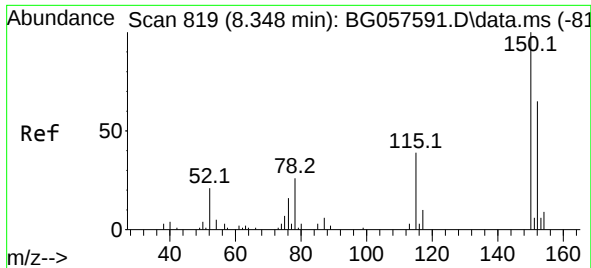
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
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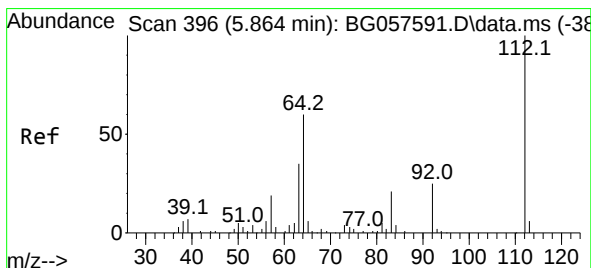
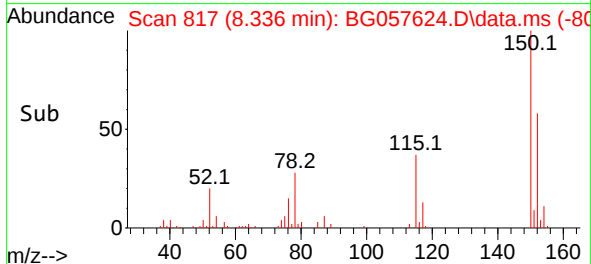
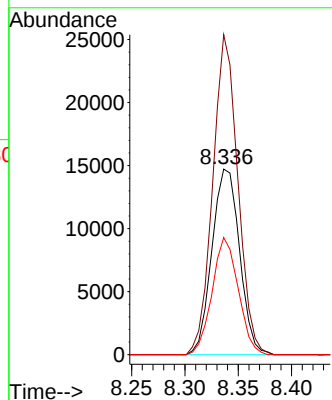
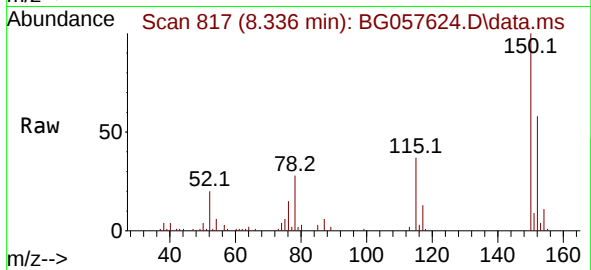




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.336 min Scan# 819
Delta R.T. 0.002 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

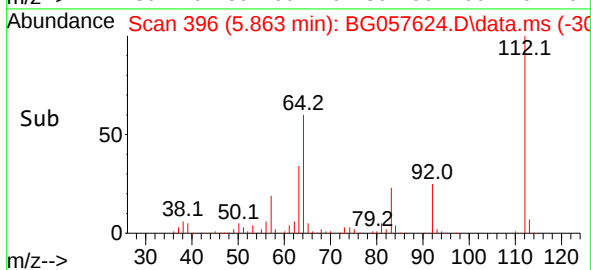
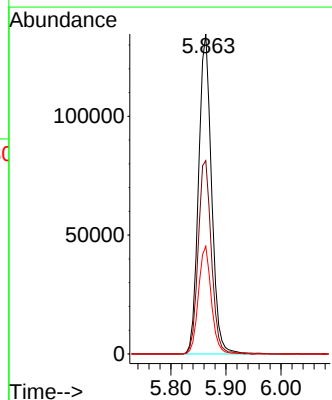
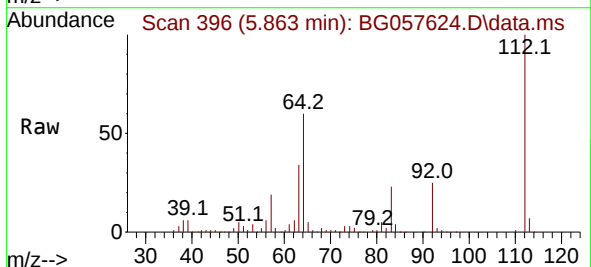
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1

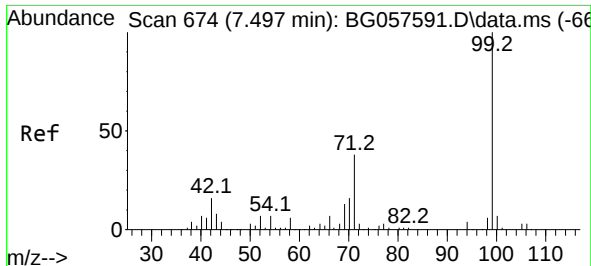
Tgt Ion:152 Resp: 26516
Ion Ratio Lower Upper
152 100
150 172.5 123.0 184.4
115 63.2 47.4 71.2



#5
2-Fluorophenol
Concen: 144.763 ng
RT: 5.863 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

Tgt Ion:112 Resp: 220948
Ion Ratio Lower Upper
112 100
64 60.4 47.8 71.6
63 33.6 27.8 41.8

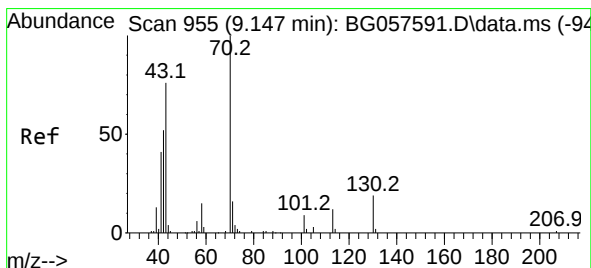
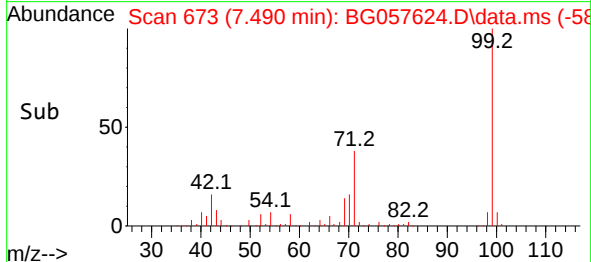
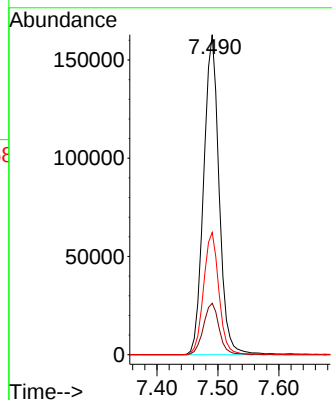
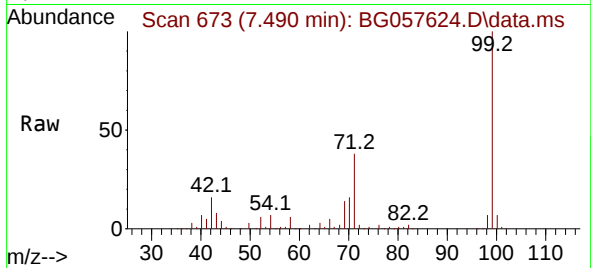




#7
Phenol-d6
Concen: 120.166 ng
RT: 7.490 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

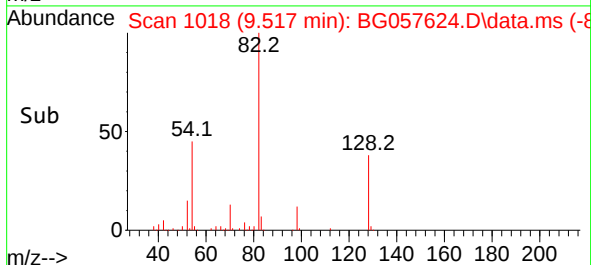
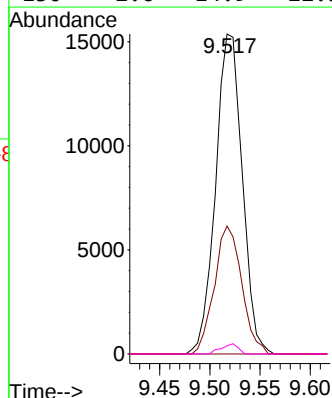
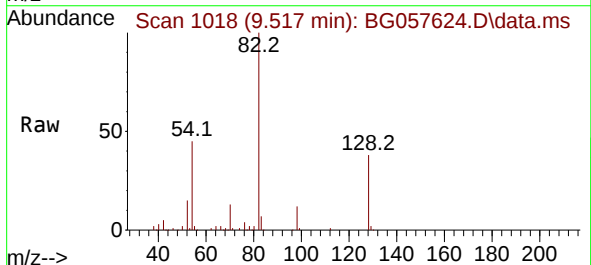
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1

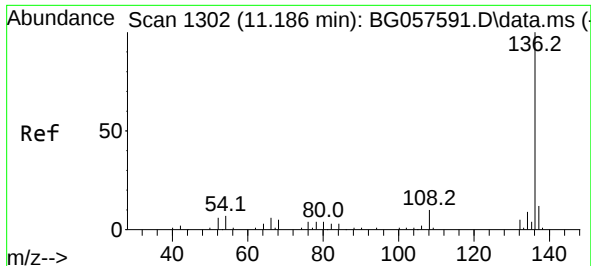
Tgt Ion: 99 Resp: 287029
Ion Ratio Lower Upper
99 100
42 16.1 12.8 19.2
71 38.2 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.089 ng
RT: 9.517 min Scan# 1018
Delta R.T. 0.379 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

Tgt Ion: 70 Resp: 28359
Ion Ratio Lower Upper
70 100
42 40.0 41.4 62.0#
101 0.0 6.9 10.3#
130 2.6 14.9 22.3#

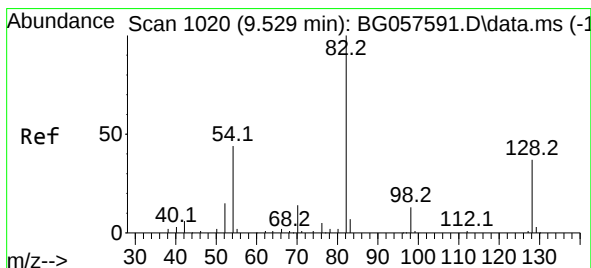
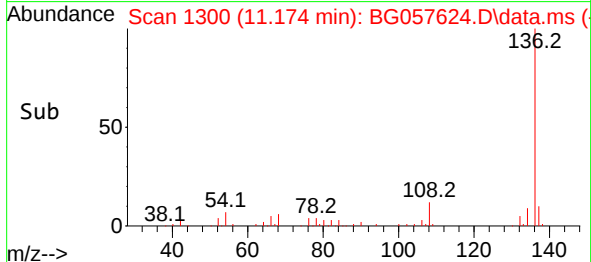
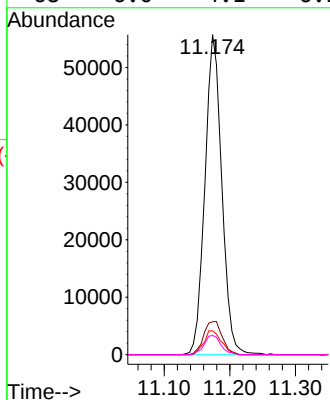
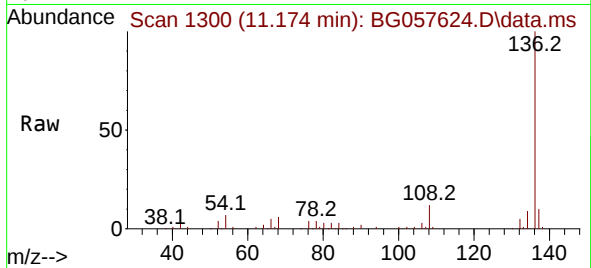




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.174 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

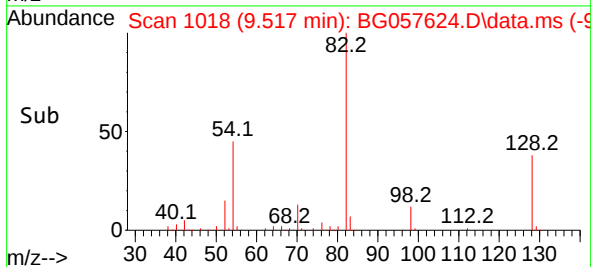
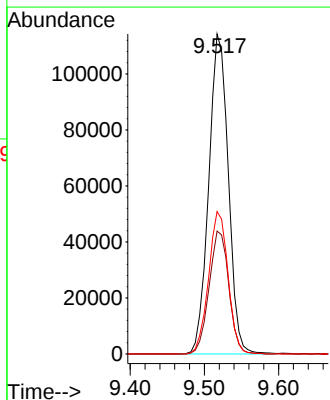
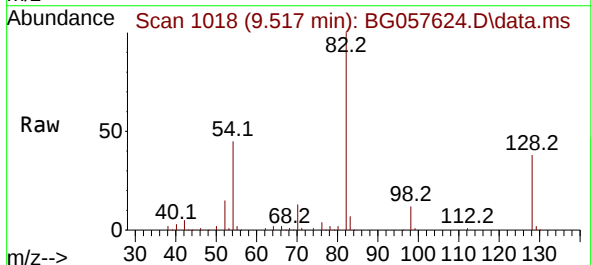
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1

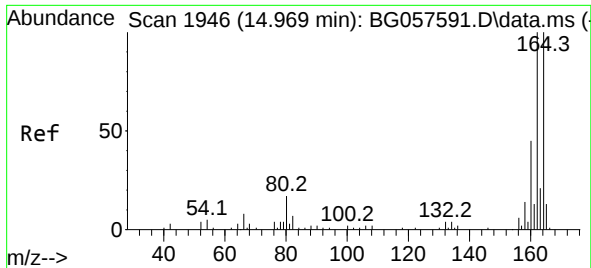
Tgt Ion:	136	Resp:	99634
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.8	14.8
54	7.4	5.8	8.6
68	6.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 98.286 ng
RT: 9.517 min Scan# 1018
Delta R.T. -0.003 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

Tgt Ion:	82	Resp:	209485
Ion Ratio	Lower	Upper	
82	100		
128	38.4	30.0	45.0
54	44.5	35.2	52.8

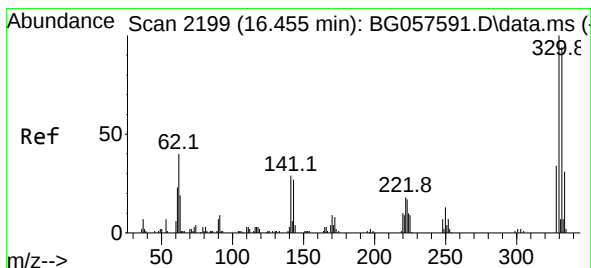
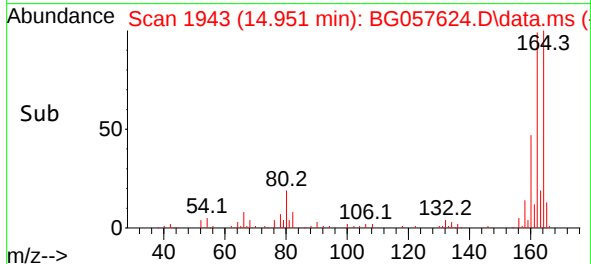
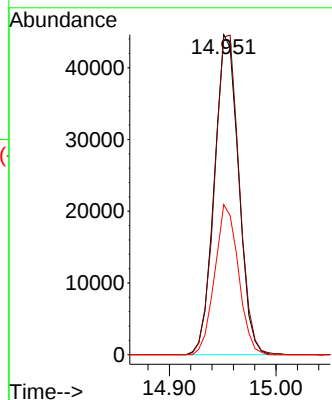
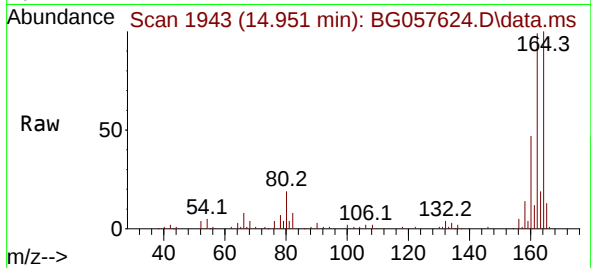




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.951 min Scan# 1943
Delta R.T. -0.009 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

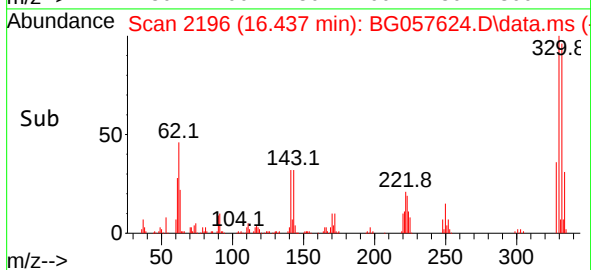
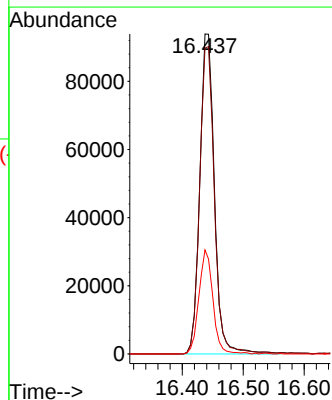
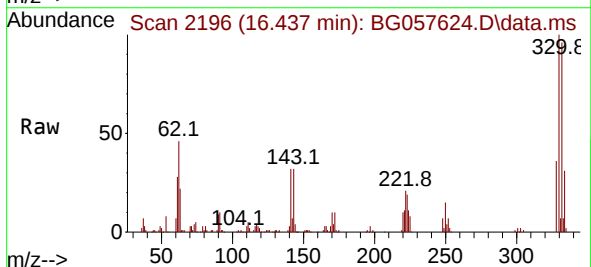
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1

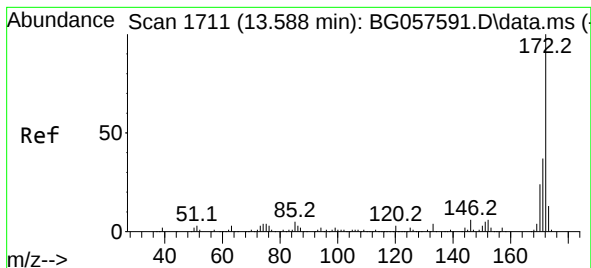
Tgt Ion:164 Resp: 70256
Ion Ratio Lower Upper
164 100
162 99.3 80.1 120.1
160 46.9 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 139.352 ng
RT: 16.437 min Scan# 2196
Delta R.T. -0.009 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

Tgt Ion:330 Resp: 156746
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 31.1 24.6 37.0

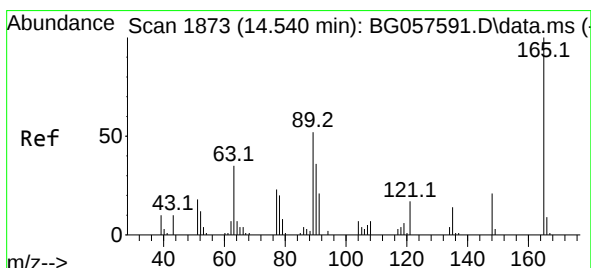
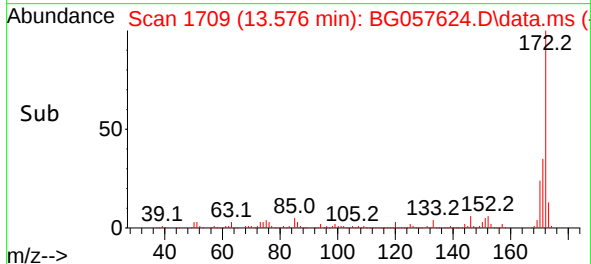
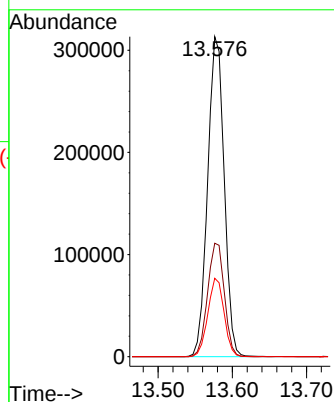
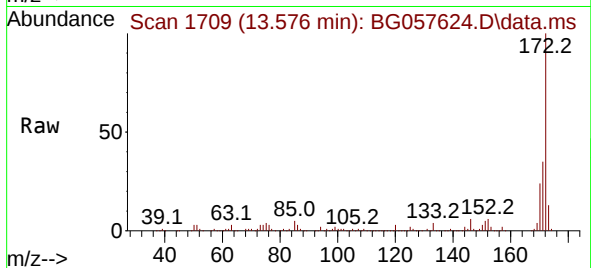




#45
2-Fluorobiphenyl
Concen: 99.173 ng
RT: 13.576 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

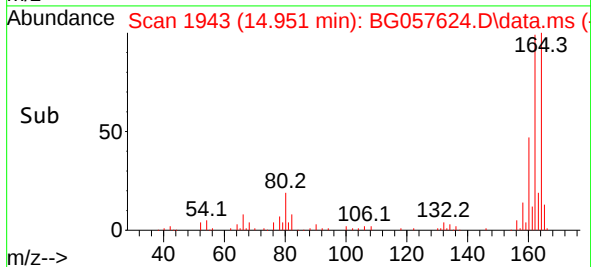
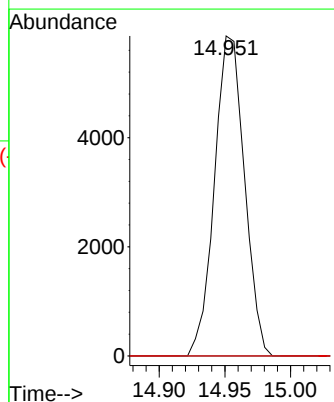
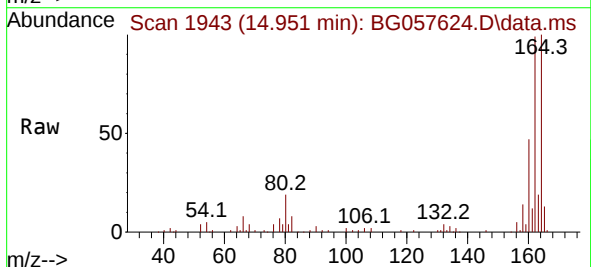
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1

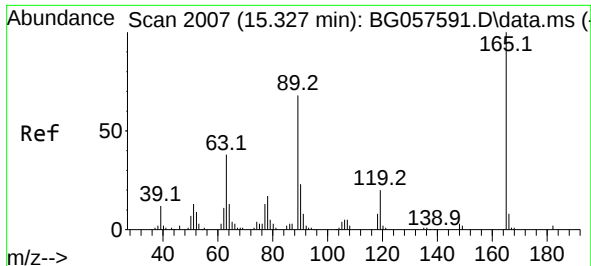
Tgt Ion:172 Resp: 484823
Ion Ratio Lower Upper
172 100
171 35.5 29.2 43.8
170 24.5 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.517 ng
RT: 14.951 min Scan# 1943
Delta R.T. 0.420 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

Tgt Ion:165 Resp: 9318
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: 5.021 ng

RT: 14.951 min Scan# 1943

Delta R.T. -0.373 min

Lab File: BG057624.D

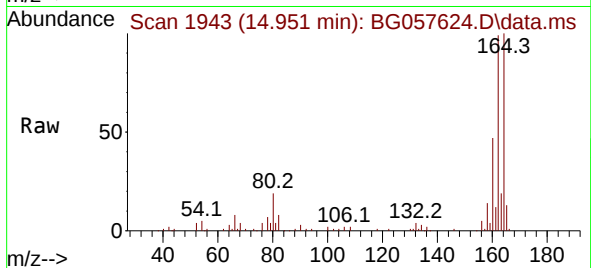
Acq: 31 May 2023 16:36

Instrument :

BNA_G

ClientSampleId :

PNNL-RH-524-1



Tgt Ion:165 Resp: 9318

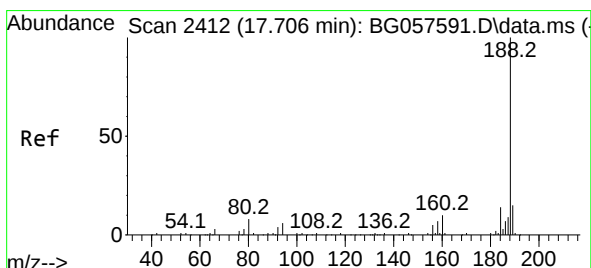
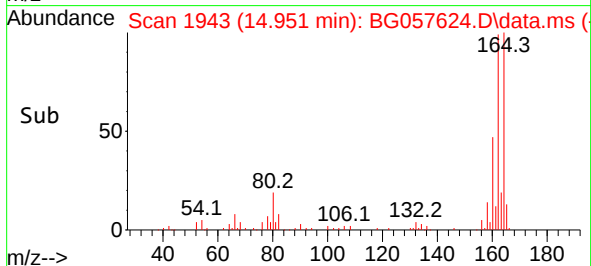
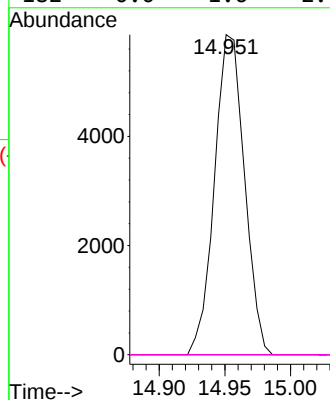
Ion Ratio Lower Upper

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: 17.694 min Scan# 2410

Delta R.T. -0.003 min

Lab File: BG057624.D

Acq: 31 May 2023 16:36

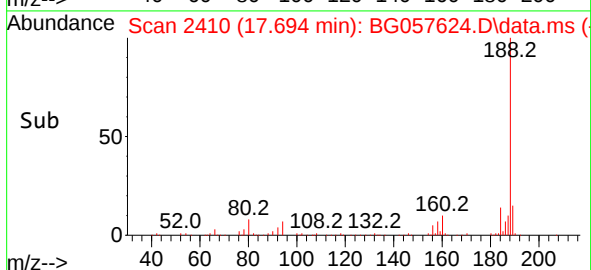
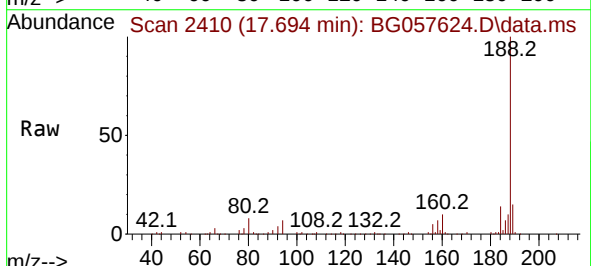
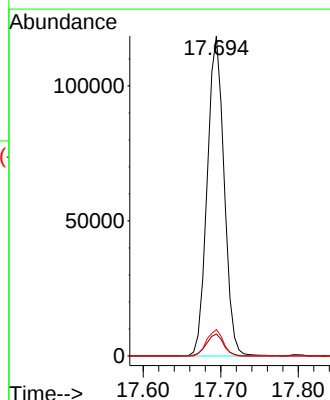
Tgt Ion:188 Resp: 179028

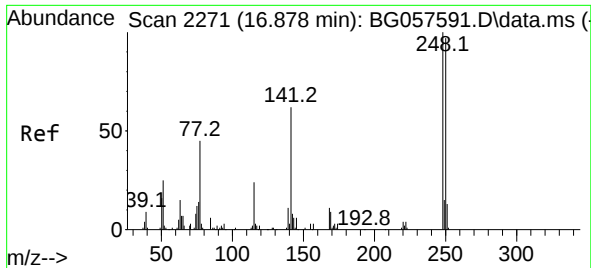
Ion Ratio Lower Upper

188 100

94 6.9 5.2 7.8

80 8.3 6.7 10.1

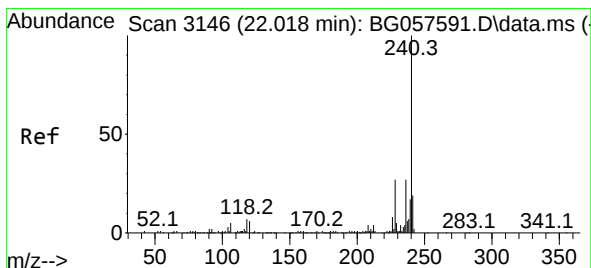
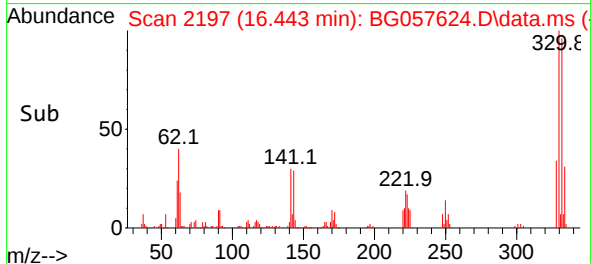
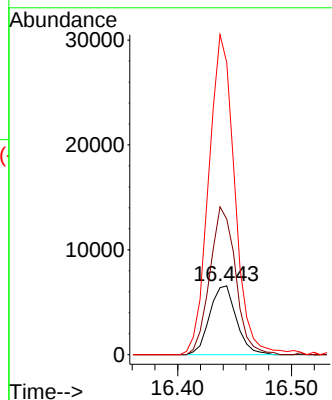
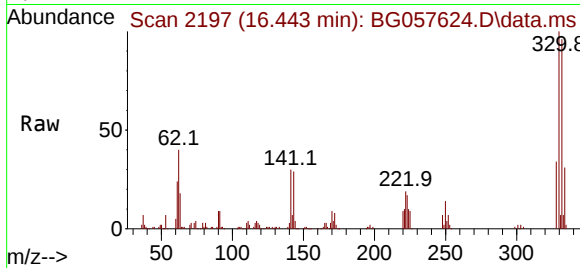




#67
4-Bromophenyl-phenylether
Concen: 5.343 ng
RT: 16.443 min Scan# 2197
Delta R.T. -0.426 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

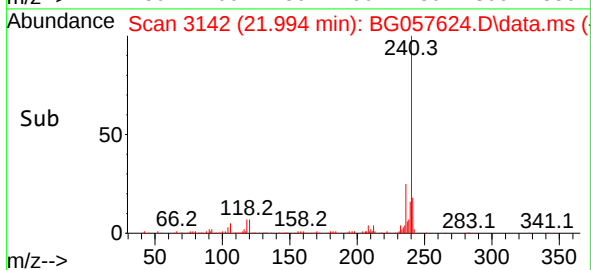
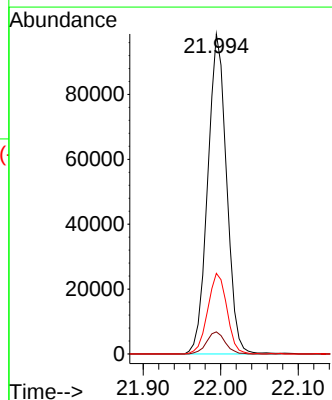
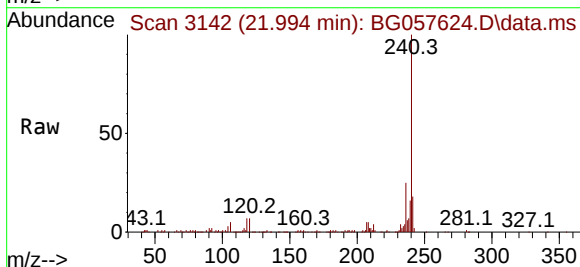
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1

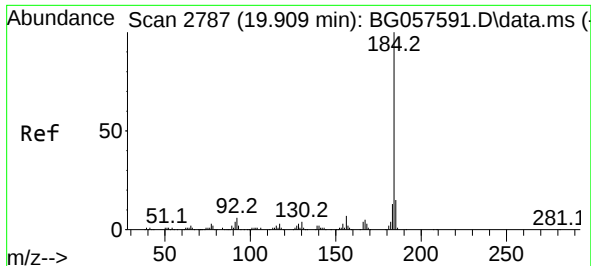
Tgt Ion:248 Resp: 10729
Ion Ratio Lower Upper
248 100
250 197.2 77.4 116.2#
141 424.8 49.4 74.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.994 min Scan# 3142
Delta R.T. -0.009 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

Tgt Ion:240 Resp: 166583
Ion Ratio Lower Upper
240 100
120 6.9 5.2 7.8
236 25.2 21.4 32.0

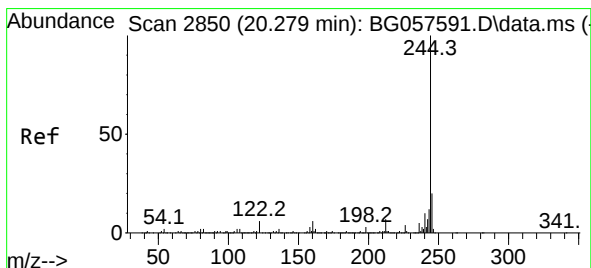
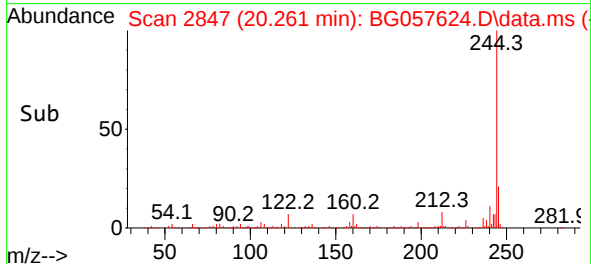
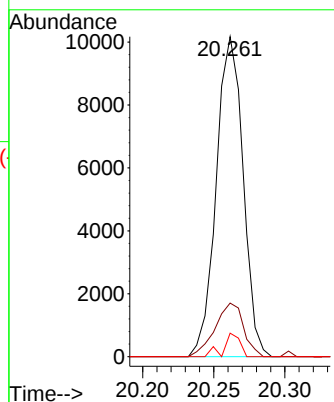
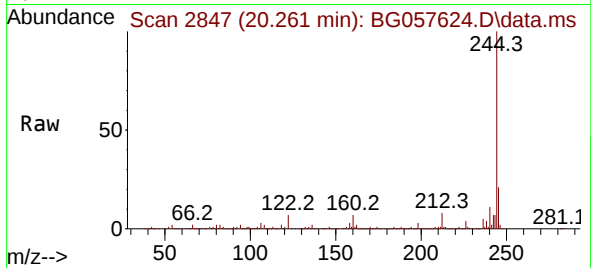




#77
Benzidine
Concen: 2.649 ng
RT: 20.261 min Scan# 2847
Delta R.T. 0.367 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

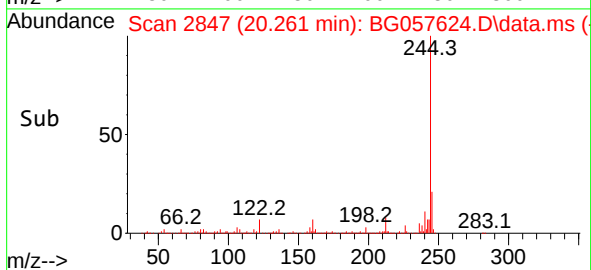
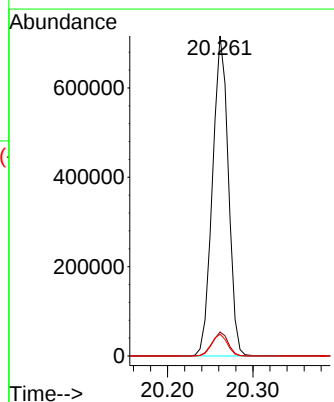
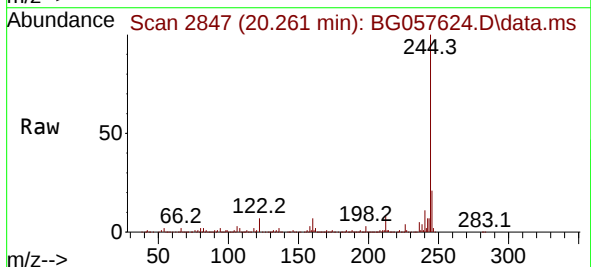
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1

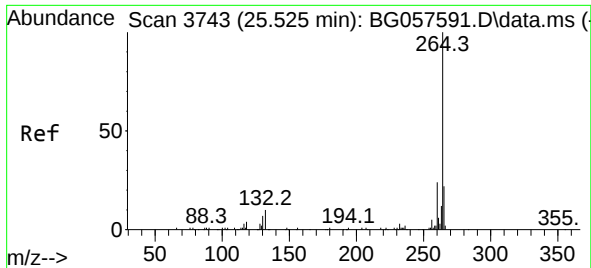
Tgt Ion:184 Resp: 13353
Ion Ratio Lower Upper
184 100
185 16.8 12.0 18.0
183 7.3 10.0 15.0#



#79
Terphenyl-d14
Concen: 96.312 ng
RT: 20.261 min Scan# 2847
Delta R.T. -0.003 min
Lab File: BG057624.D
Acq: 31 May 2023 16:36

Tgt Ion:244 Resp: 926210
Ion Ratio Lower Upper
244 100
212 7.5 5.6 8.4
122 6.8 4.8 7.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.484 min Scan# 31
 Delta R.T. -0.015 min
 Lab File: BG057624.D
 Acq: 31 May 2023 16:36

Instrument :
 BNA_G
 ClientSampleId :
 PNNL-RH-524-1

Tgt Ion:264 Resp: 175264
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.1 28.7
 265 22.0 17.7 26.5

