

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022122\
 Data File : BG052441.D
 Acq On : 21 Feb 2022 17:28
 Operator : CG/JU
 Sample : N1534-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NAPL-SOCK

Quant Time: Feb 22 00:51:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 08 01:21:20 2022
 Response via : Initial Calibration

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

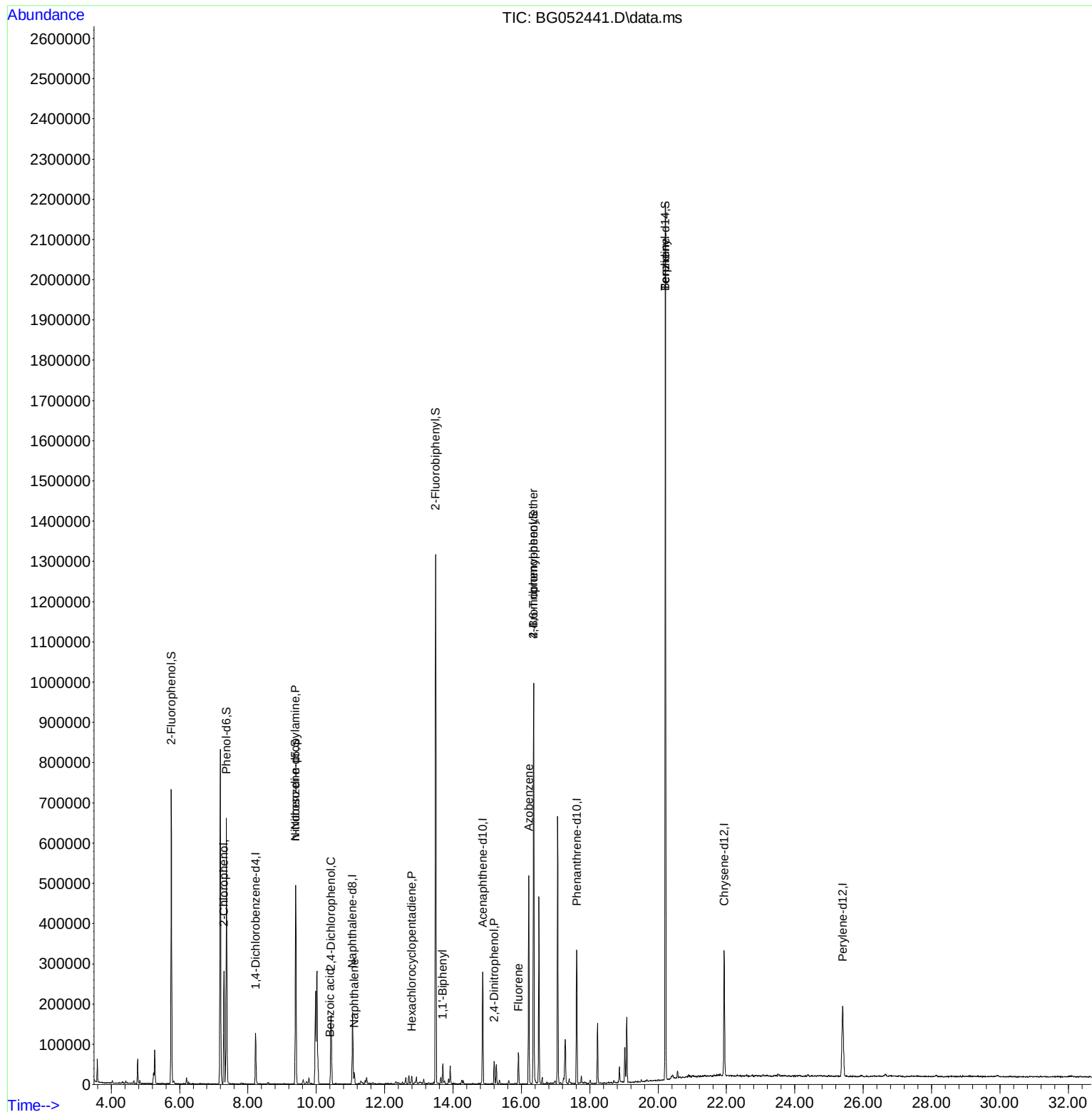
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.226	152	38481	20.000	ng	0.00
21) Naphthalene-d8	11.063	136	152923	20.000	ng	# 0.00
39) Acenaphthene-d10	14.870	164	100961	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	223280	20.000	ng	# 0.00
76) Chrysene-d12	21.931	240	212434	20.000	ng	0.00
86) Perylene-d12	25.396	264	214267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.758	112	307401	139.226	ng	0.00
7) Phenol-d6	7.374	99	377782	110.894	ng	0.00
23) Nitrobenzene-d5	9.395	82	318511	90.522	ng	0.00
42) 2,4,6-Tribromophenol	16.356	330	210403	145.059	ng	0.00
45) 2-Fluorobiphenyl	13.489	172	706030	97.171	ng	0.00
79) Terphenyl-d14	20.215	244	1139797	94.746	ng	0.00
Target Compounds						
8) 2-Chlorophenol	7.297	128	16381	6.744	ng	# 48
9) Benzaldehyde	7.356	77	765	Below Cal	#	64
19) n-Nitroso-di-n-propyla...	9.395	70	44275	17.239	ng	# 71
29) 2,4-Dichlorophenol	10.434	162	21430	8.536	ng	# 39
31) Naphthalene	11.110	128	25843	3.224	ng	# 91
32) Benzoic acid	10.399	122	63	6.017	ng	# 1
41) Hexachlorocyclopentadiene	12.796	237	56	5.292	ng	# 25
46) 1,1'-Biphenyl	13.701	154	27532	3.719	ng	97
54) 2,4-Dinitrophenol	15.210	184	62	4.958	ng	# 1
58) Fluorene	15.915	166	34923	4.575	ng	96
63) Azobenzene	16.215	77	159265	19.913	ng	# 1
67) 4-Bromophenyl-phenylether	16.356	248	13355	4.918	ng	# 1
77) Benzidine	20.215	184	15941	3.512	ng	# 95

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

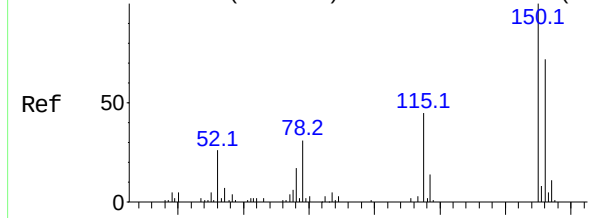
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022122\
Data File : BG052441.D
Acq On : 21 Feb 2022 17:28
Operator : CG/JU
Sample : N1534-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NAPL-SOCK

Quant Time: Feb 22 00:51:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 08 01:21:20 2022
Response via : Initial Calibration



Abundance Scan 806 (8.223 min): BG052305.D\data.ms (-799) #1



1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.226 min Scan# 8

Delta R.T. 0.003 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Instrument :

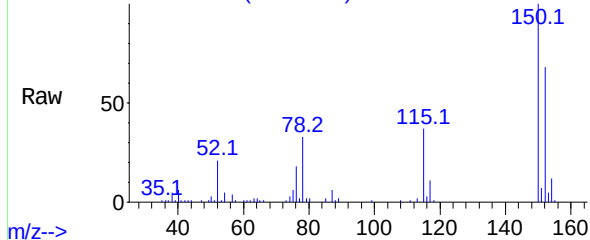
BNA_G

ClientSampleId :

NAPL-SOCK

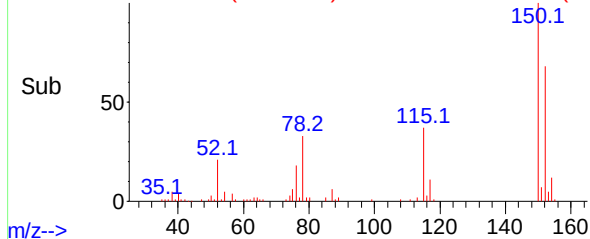
m/z-->

Abundance Scan 806 (8.226 min): BG052441.D\data.ms



m/z-->

Abundance Scan 806 (8.226 min): BG052441.D\data.ms (-789) (-)



m/z-->

Tgt Ion:152 Resp: 38481

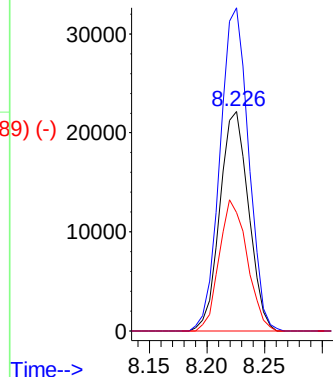
Ion Ratio Lower Upper

152 100

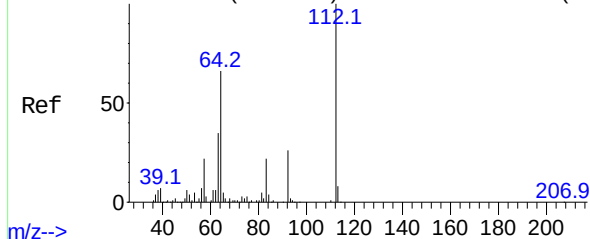
150 147.1 117.8 176.8

115 53.9 50.2 75.2

Abundance

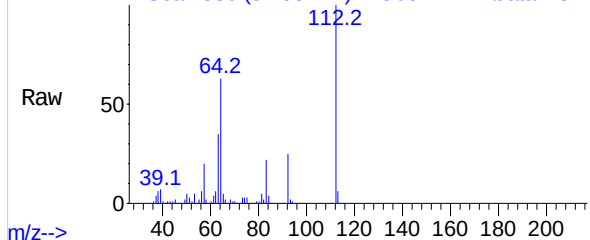


Abundance Scan 385 (5.750 min): BG052305.D\data.ms (-377) #5



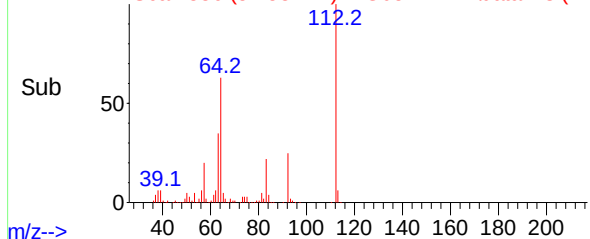
m/z-->

Abundance Scan 386 (5.758 min): BG052441.D\data.ms



m/z-->

Abundance Scan 386 (5.758 min): BG052441.D\data.ms (-294) (-)



m/z-->

2-Fluorophenol

Concen: 139.226 ng

RT: 5.758 min Scan# 386

Delta R.T. 0.008 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Tgt Ion:112 Resp: 307401

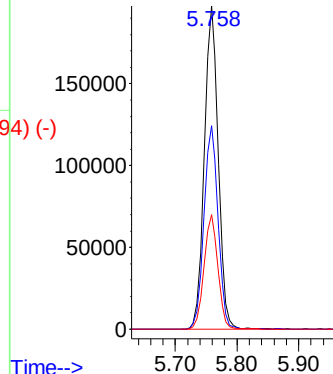
Ion Ratio Lower Upper

112 100

64 62.9 60.4 90.6

63 35.4 33.3 49.9

Abundance



Abundance Scan 661 (7.372 min): BG052305.D\data.ms (-652)#7

Phenol-d6

Concen: 110.894 ng

RT: 7.374 min Scan#

Delta R.T. 0.002 min

Lab File: BG052441.D

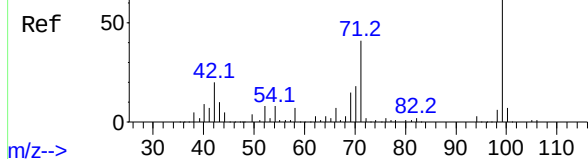
Acq: 21 Feb 2022 17:28

Instrument :

BNA_G

ClientSampleId :

NAPL-SOCK



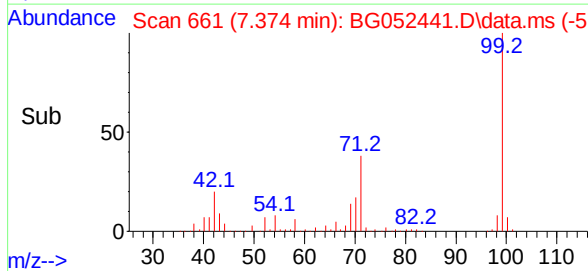
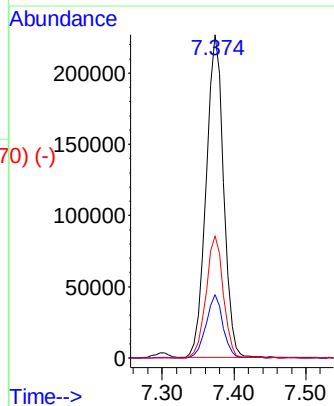
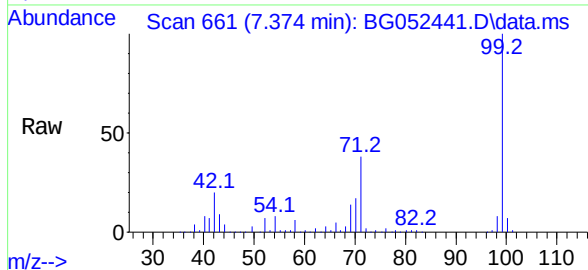
Tgt Ion: 99 Resp: 377782

Ion Ratio Lower Upper

99 100

42 19.5 19.1 28.7

71 37.8 33.4 50.2



Abundance Scan 732 (7.789 min): BG052305.D\data.ms (-724)#8

2-Chlorophenol

Concen: 6.744 ng

RT: 7.297 min Scan# 648

Delta R.T. -0.492 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

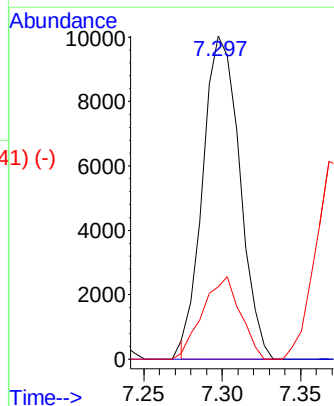
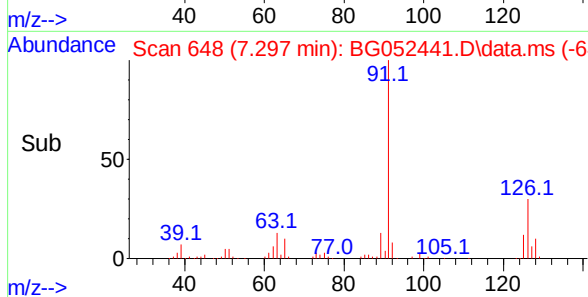
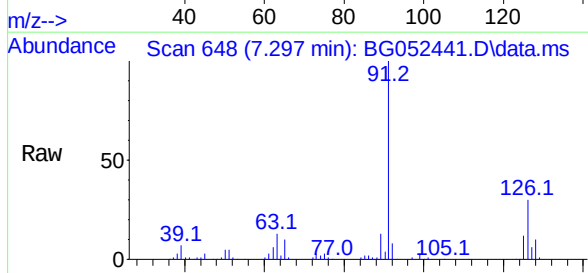
Tgt Ion:128 Resp: 16381

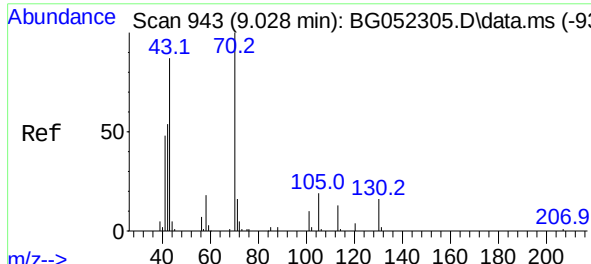
Ion Ratio Lower Upper

128 100

130 0.0 13.6 53.6#

64 22.4 37.8 77.8#



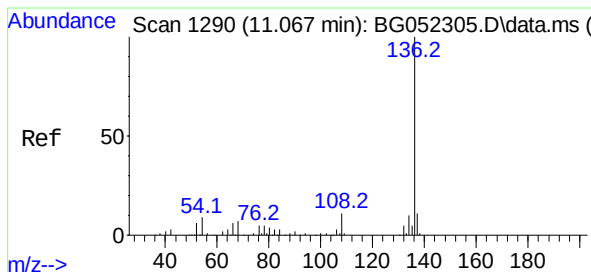
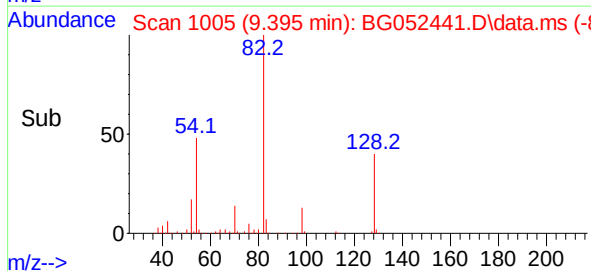
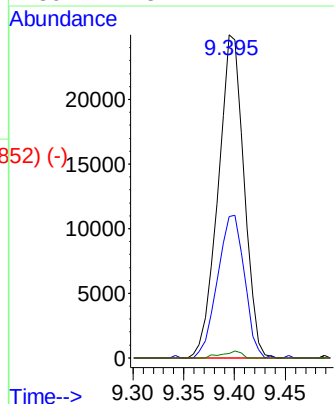
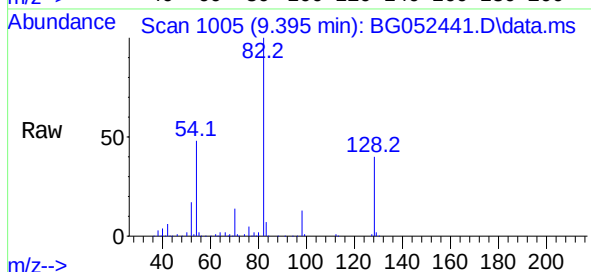


n-Nitroso-di-n-propylamine
 Concen: 17.239 ng
 RT: 9.395 min Scan# 119
 Delta R.T. 0.366 min
 Lab File: BG052441.D
 Acq: 21 Feb 2022 17:28

Instrument :
 BNA_G
 ClientSampleId :
 NAPL-SOCK

Tgt Ion: 70 Resp: 44275

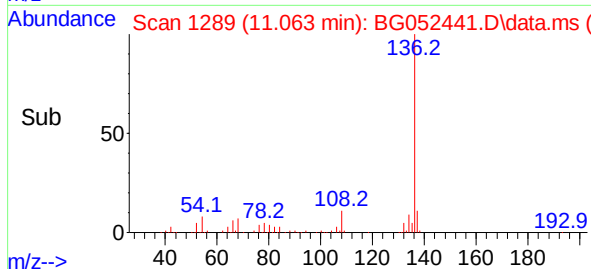
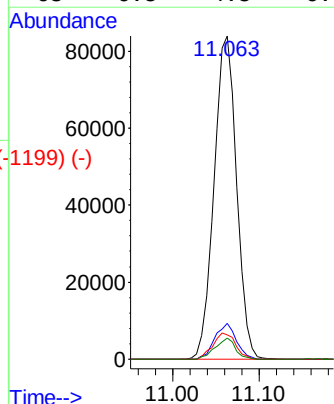
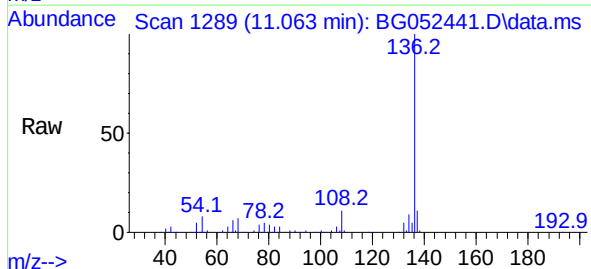
Ion	Ratio	Lower	Upper
70	100		
42	43.8	51.8	77.6#
101	0.0	6.6	10.0#
130	1.3	14.7	22.1#

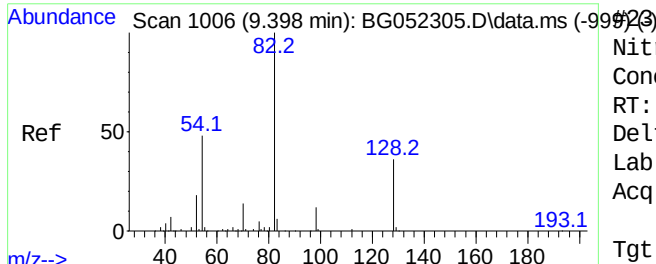


Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.063 min Scan# 1289
 Delta R.T. -0.004 min
 Lab File: BG052441.D
 Acq: 21 Feb 2022 17:28

Tgt Ion: 136 Resp: 152923

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.6	8.3	12.5#
68	6.5	4.5	6.7





Nitrobenzene-d5

Concen: 90.522 ng

RT: 9.395 min Scan#

Delta R.T. -0.004 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Instrument :

BNA_G

ClientSampleId :

NAPL-SOCK

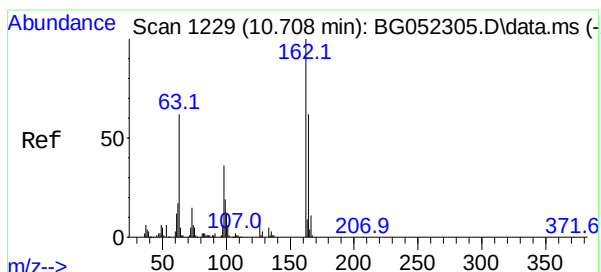
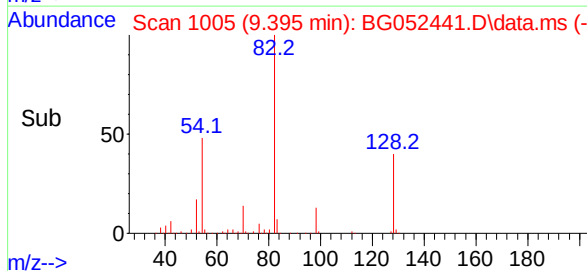
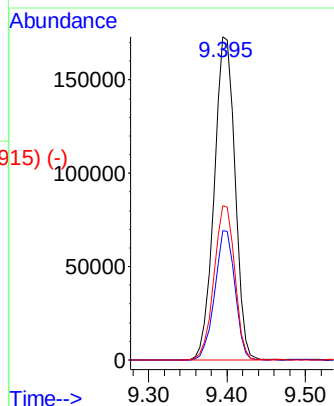
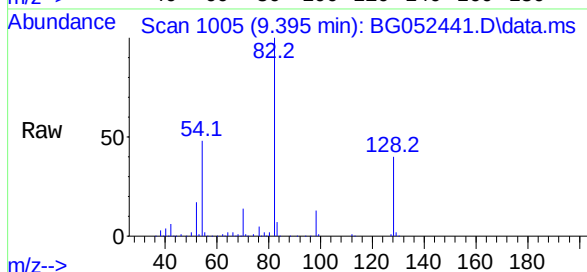
Tgt Ion: 82 Resp: 318511

Ion Ratio Lower Upper

82 100

128 40.0 27.0 40.4

54 47.7 41.0 61.6



2,4-Dichlorophenol

Concen: 8.536 ng

RT: 10.434 min Scan# 1182

Delta R.T. -0.274 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

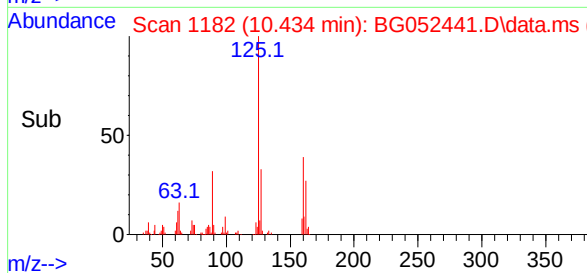
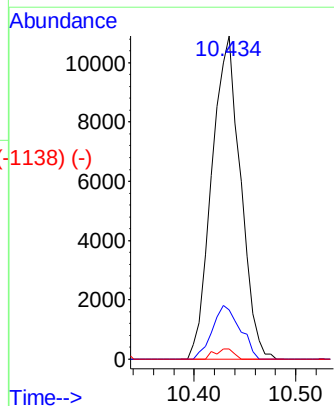
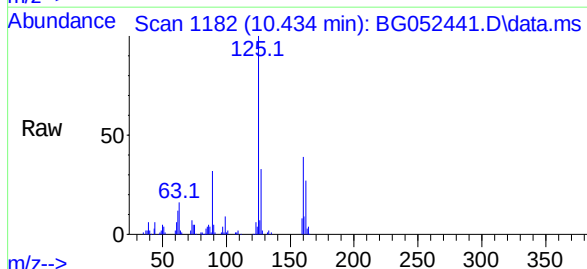
Tgt Ion:162 Resp: 21430

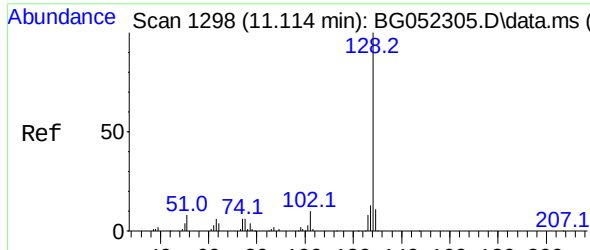
Ion Ratio Lower Upper

162 100

164 15.2 44.3 84.3#

98 3.1 17.2 57.2#

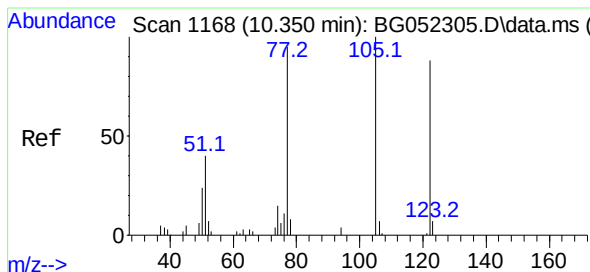
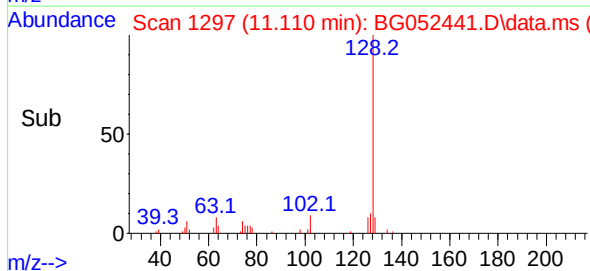
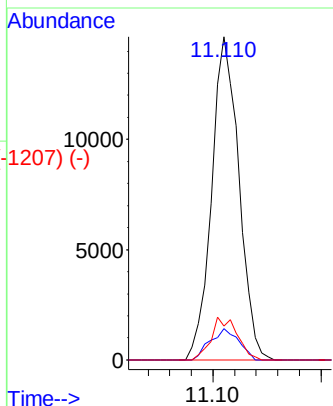
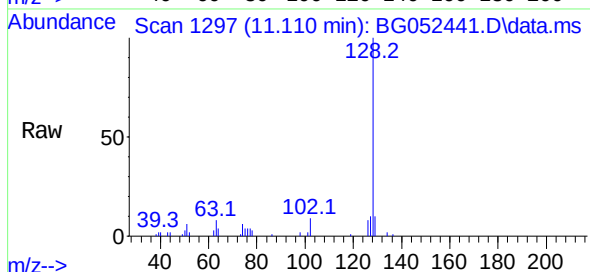




Naphthalene
Concen: 3.224 ng
RT: 11.110 min Scan# 1130
Delta R.T. -0.004 min
Lab File: BG052441.D
Acq: 21 Feb 2022 17:28

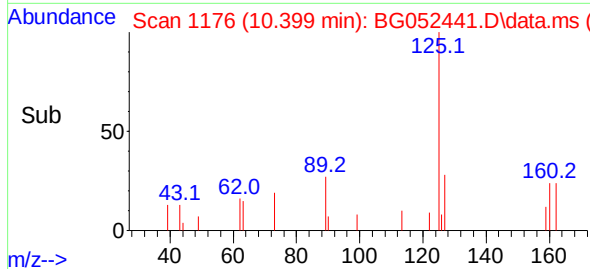
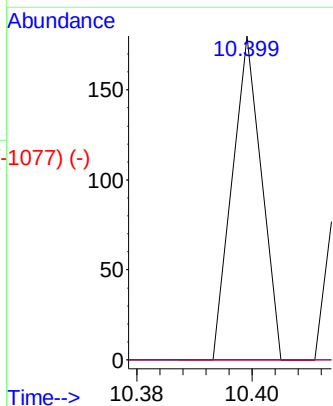
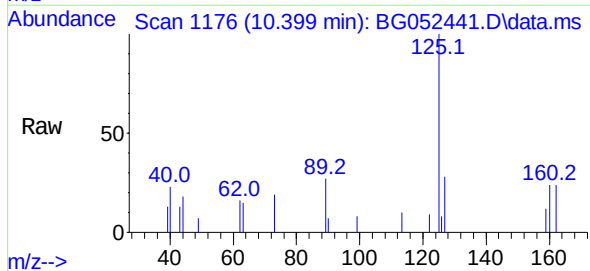
Instrument :
BNA_G
ClientSampleId :
NAPL-SOCK

Tgt Ion:	128	Resp:	25843
Ion	Ratio	Lower	Upper
128	100		
129	9.6	9.8	14.6#
127	10.5	12.0	18.0#



Benzoic acid
Concen: 6.017 ng
RT: 10.399 min Scan# 1176
Delta R.T. 0.049 min
Lab File: BG052441.D
Acq: 21 Feb 2022 17:28

Tgt Ion:	122	Resp:	63
Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.2	149.2#
77	0.0	92.8	132.8#



Abundance Scan 1938 (14.873 min): BG052305.D\data.ms (-1938) (-)

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.870 min Scan# 1938

Delta R.T. -0.003 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Instrument :

BNA_G

ClientSampleId :

NAPL-SOCK

Tgt Ion:164 Resp: 100961

Ion Ratio Lower Upper

164 100

162 108.1 82.2 123.2

160 47.6 36.2 54.2

m/z-->

Abundance Scan 1937 (14.870 min): BG052441.D\data.ms

Raw

m/z-->

Abundance Scan 1937 (14.870 min): BG052441.D\data.ms (-1847) (-)

Sub

m/z-->

Abundance

Time-->

Abundance Scan 1629 (13.058 min): BG052305.D\data.ms (-1629) (-)

Hexachlorocyclopentadiene

Concen: 5.292 ng

RT: 12.796 min Scan# 1584

Delta R.T. -0.262 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Tgt Ion:237 Resp: 56

Ion Ratio Lower Upper

237 100

235 0.0 45.9 85.9#

272 0.0 0.0 33.0

m/z-->

Abundance Scan 1584 (12.796 min): BG052441.D\data.ms

Raw

m/z-->

Abundance Scan 1584 (12.796 min): BG052441.D\data.ms (-1538) (-)

Sub

m/z-->

Abundance

Time-->

Abundance Scan 2191 (16.359 min): BG052305.D\data.ms (-2191) (-)

2,4,6-Tribromophenol

Concen: 145.059 ng

RT: 16.356 min Scan# 2191

Delta R.T. -0.003 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Instrument :

BNA_G

ClientSampleId :

NAPL-SOCK

Tgt Ion:330 Resp: 210403

Ion Ratio Lower Upper

330 100

332 96.6 78.6 117.8

141 31.4 28.8 43.2

Abundance Scan 2190 (16.356 min): BG052441.D\data.ms

Ref

62.1 141.1 221.8 329.8

103.1

m/z-->

Abundance Scan 2190 (16.356 min): BG052441.D\data.ms

Raw

62.1 141.1 221.8 329.8

103.1

m/z-->

Abundance Scan 2190 (16.356 min): BG052441.D\data.ms (-2100) (-)

Sub

62.1 141.1 221.8 329.8

103.1

m/z-->

Abundance

16.356

100000

50000

0

Time-->

16.30 16.40 16.50

Abundance Scan 1703 (13.493 min): BG052305.D\data.ms (-1695) (-)

2-Fluorobiphenyl

Concen: 97.171 ng

RT: 13.489 min Scan# 1702

Delta R.T. -0.004 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Tgt Ion:172 Resp: 706030

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.4 18.3 27.5

Abundance Scan 1702 (13.489 min): BG052441.D\data.ms

Ref

51.1 85.2 120.1 146.2 172.2 207.1

m/z-->

Abundance Scan 1702 (13.489 min): BG052441.D\data.ms

Raw

51.1 85.0 120.2 146.2 172.2

m/z-->

Abundance Scan 1702 (13.489 min): BG052441.D\data.ms (-1612) (-)

Sub

51.1 85.0 120.2 146.2 172.2

m/z-->

Abundance

13.489

400000

300000

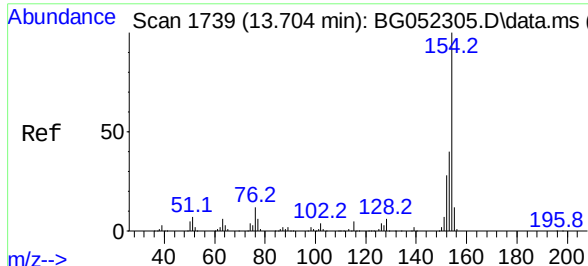
200000

100000

0

Time-->

13.40 13.50



1,1'-Biphenyl

Concen: 3.719 ng

RT: 13.701 min Scan# 1739

Delta R.T. -0.004 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Instrument :

BNA_G

ClientSampleId :

NAPL-SOCK

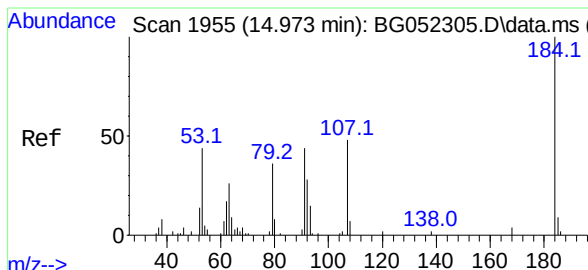
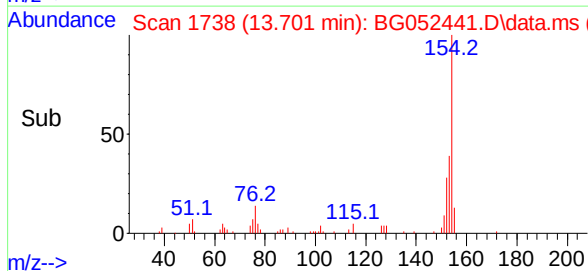
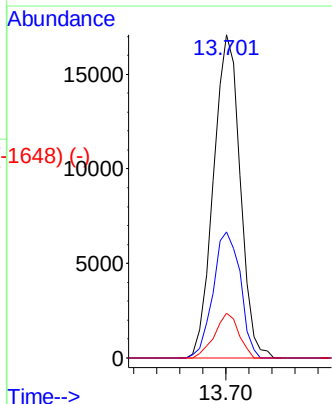
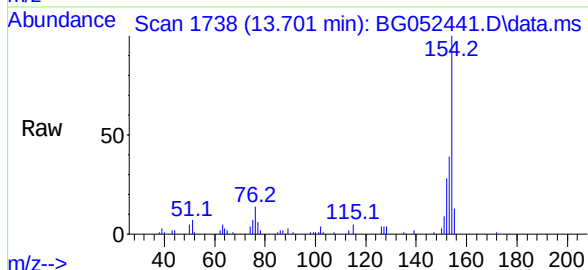
Tgt Ion:154 Resp: 27532

Ion Ratio Lower Upper

154 100

153 39.0 21.1 61.1

76 13.8 0.0 32.6



2,4-Dinitrophenol

Concen: 4.958 ng

RT: 15.210 min Scan# 1995

Delta R.T. 0.237 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

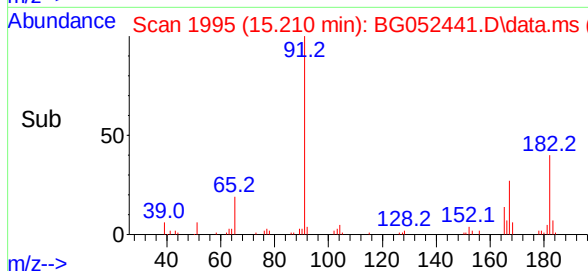
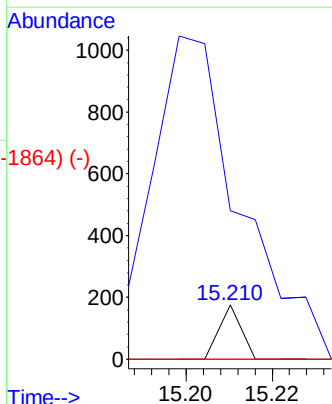
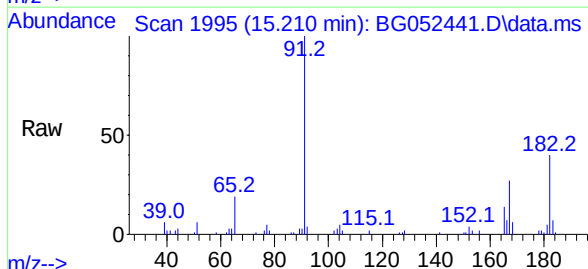
Tgt Ion:184 Resp: 62

Ion Ratio Lower Upper

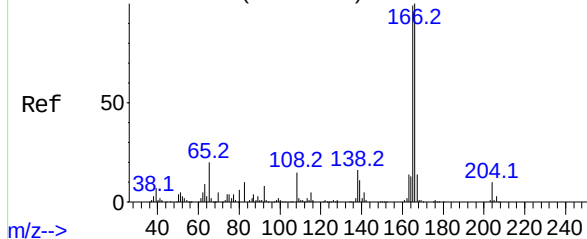
184 100

63 271.2 56.0 84.0#

154 0.0 50.2 75.2#



Abundance Scan 2116 (15.919 min): BG052305.D\data.ms (-2158) (-)



Fluorene

Concen: 4.575 ng

RT: 15.915 min Scan# 2116

Delta R.T. -0.004 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Instrument :

BNA_G

ClientSampleId :

NAPL-SOCK

Tgt Ion:166 Resp: 34923

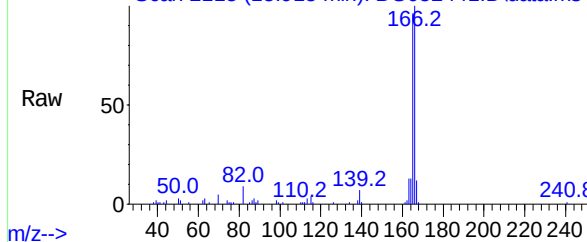
Ion Ratio Lower Upper

166 100

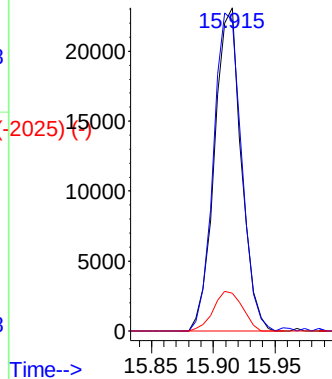
165 96.3 80.0 120.0

167 11.6 11.1 16.7

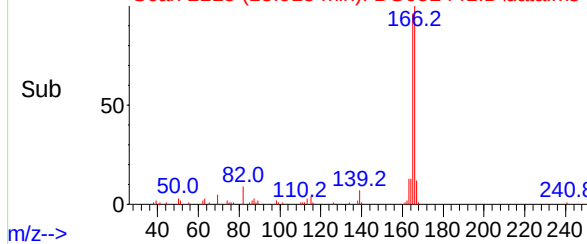
Abundance Scan 2115 (15.915 min): BG052441.D\data.ms



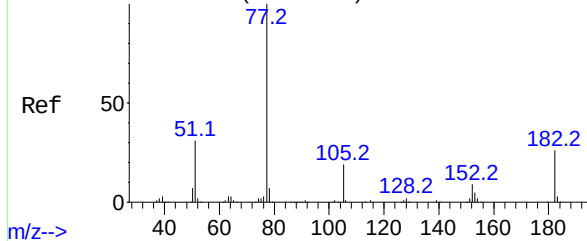
Abundance



Abundance Scan 2115 (15.915 min): BG052441.D\data.ms (-2025) (-)



Abundance Scan 2163 (16.195 min): BG052305.D\data.ms (-2163) (-)



Azobenzene

Concen: 19.913 ng

RT: 16.215 min Scan# 2166

Delta R.T. 0.020 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Tgt Ion: 77 Resp: 159265

Ion Ratio Lower Upper

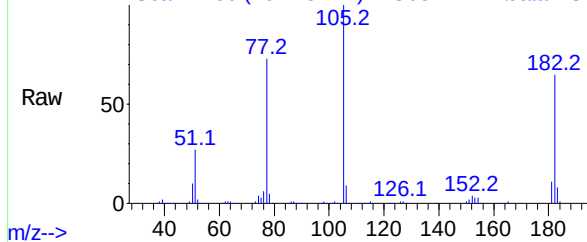
77 100

182 89.2 4.1 44.1#

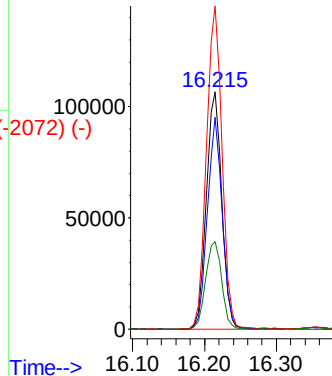
105 136.2 0.0 37.5#

51 37.0 14.3 54.3

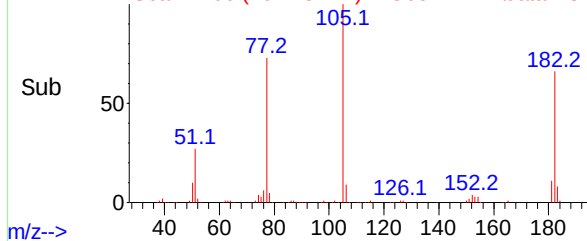
Abundance Scan 2166 (16.215 min): BG052441.D\data.ms



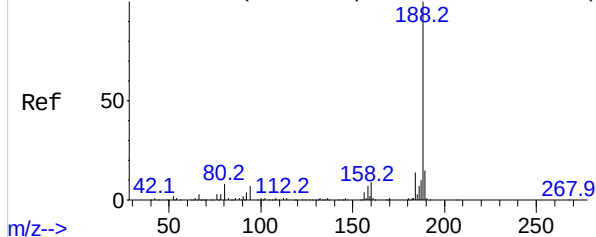
Abundance



Abundance Scan 2166 (16.215 min): BG052441.D\data.ms (-2072) (-)



Abundance Scan 2406 (17.622 min): BG052305.D\data.ms (-2356) (-)



Phenanthrene-d10

Concen: 20.000 ng

RT: 17.619 min Scan# 2190

Delta R.T. -0.004 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Instrument :

BNA_G

ClientSampleId :

NAPL-SOCK

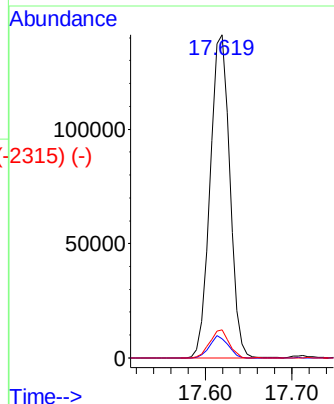
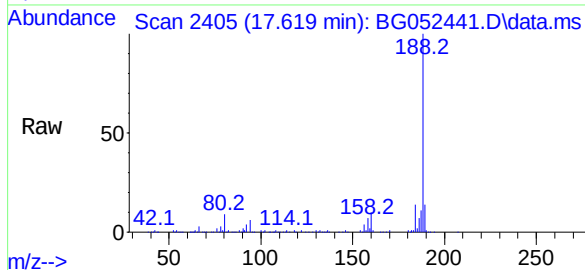
Tgt Ion:188 Resp: 223280

Ion Ratio Lower Upper

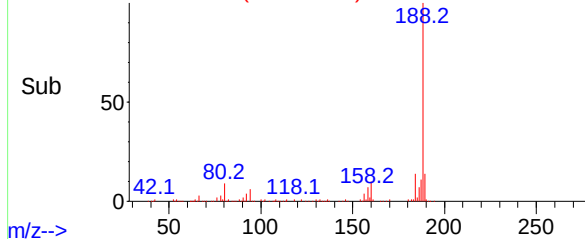
188 100

94 5.9 5.9 8.9#

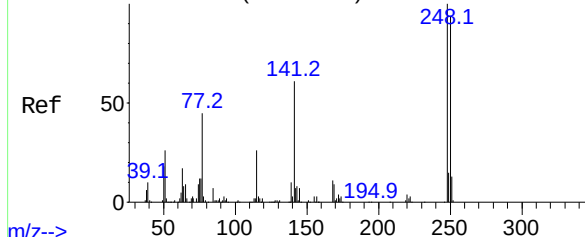
80 8.7 6.6 10.0



Abundance Scan 2405 (17.619 min): BG052441.D\data.ms (-2315) (-)



Abundance Scan 2266 (16.800 min): BG052305.D\data.ms (-2357) (-)



4-Bromophenyl-phenylether

Concen: 4.918 ng

RT: 16.356 min Scan# 2190

Delta R.T. -0.444 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

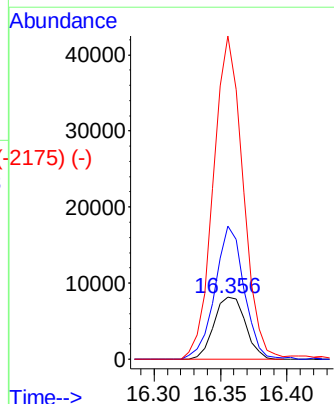
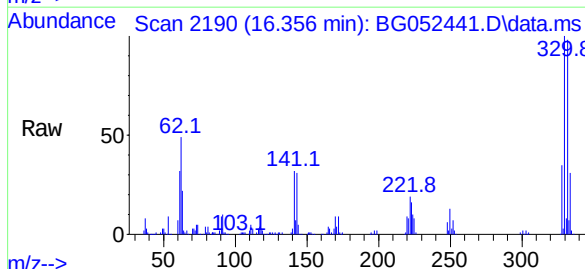
Tgt Ion:248 Resp: 13355

Ion Ratio Lower Upper

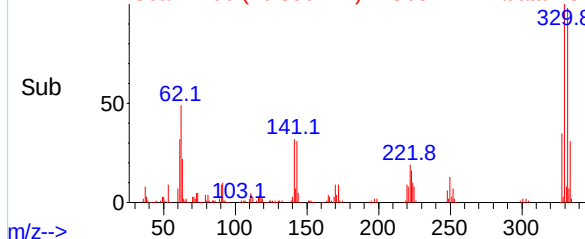
248 100

250 215.2 79.6 119.4#

141 523.1 54.6 81.8#



Abundance Scan 2190 (16.356 min): BG052441.D\data.ms (-2175) (-)



Abundance Scan 3141 (21.940 min): BG052305.D\data.ms (-3175) (-)

Chrysene-d12

Concen: 20.000 ng

RT: 21.931 min Scan# 3139

Delta R.T. -0.010 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Instrument :

BNA_G

ClientSampleId :

NAPL-SOCK

Tgt Ion:240 Resp: 212434

Ion Ratio Lower Upper

240 100

120 4.9 4.4 6.6

236 24.5 20.8 31.2

m/z-->

Abundance Scan 3139 (21.931 min): BG052441.D\data.ms

Raw

240.3

281.1

355.3

42.1

118.2

160.3

m/z-->

Abundance Scan 3139 (21.931 min): BG052441.D\data.ms (-3050) (-)

Sub

240.3

282.1

355.3

78.2

118.2

158.2

199.2

m/z-->

Abundance

21.931

100000

50000

0

Time-->

Abundance Scan 2782 (19.831 min): BG052305.D\data.ms (-2775) (-)

Benzidine

Concen: 3.512 ng

RT: 20.215 min Scan# 2847

Delta R.T. 0.384 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Tgt Ion:184 Resp: 15941

Ion Ratio Lower Upper

184 100

185 18.0 11.8 17.8#

183 13.0 9.8 14.6

m/z-->

Abundance Scan 2847 (20.215 min): BG052441.D\data.ms

Raw

244.3

281.1

42.1

82.2

122.2

160.2

212.2

m/z-->

Abundance Scan 2847 (20.215 min): BG052441.D\data.ms (-2691) (-)

Sub

244.3

281.1

42.1

82.2

122.1

160.2

212.2

m/z-->

Abundance

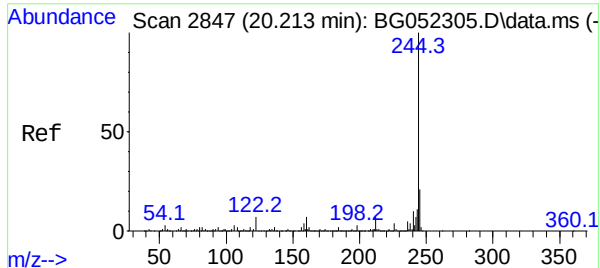
20.215

10000

5000

0

Time-->



Terphenyl-d14

Concen: 94.746 ng

RT: 20.215 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Instrument :

BNA_G

ClientSampleId :

NAPL-SOCK

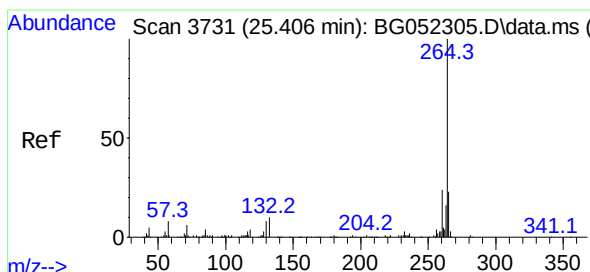
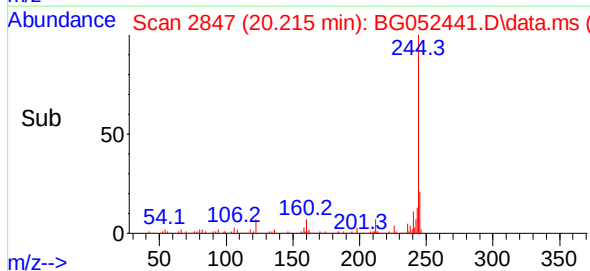
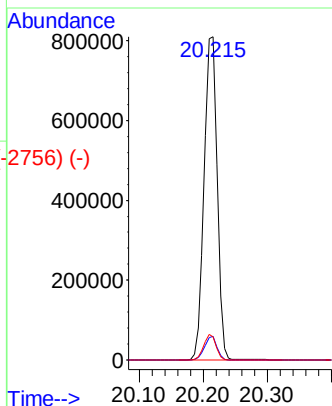
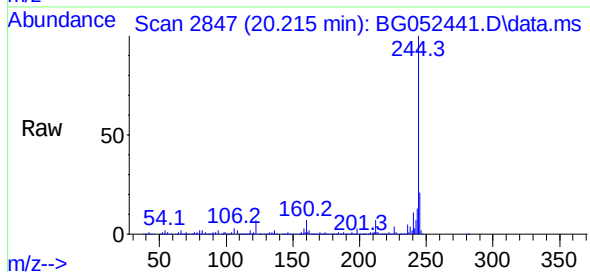
Tgt Ion:244 Resp: 1139797

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 7.0 6.2 9.4



Perylene-d12

Concen: 20.000 ng

RT: 25.396 min Scan# 3729

Delta R.T. -0.010 min

Lab File: BG052441.D

Acq: 21 Feb 2022 17:28

Tgt Ion:264 Resp: 214267

Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 21.2 17.8 26.6

