

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112021\
 Data File : BG051151.D
 Acq On : 20 Nov 2021 17:14
 Operator : CG/JU
 Sample : M4736-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-202

Quant Time: Nov 22 01:23:48 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 19 16:26:22 2021
 Response via : Initial Calibration

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

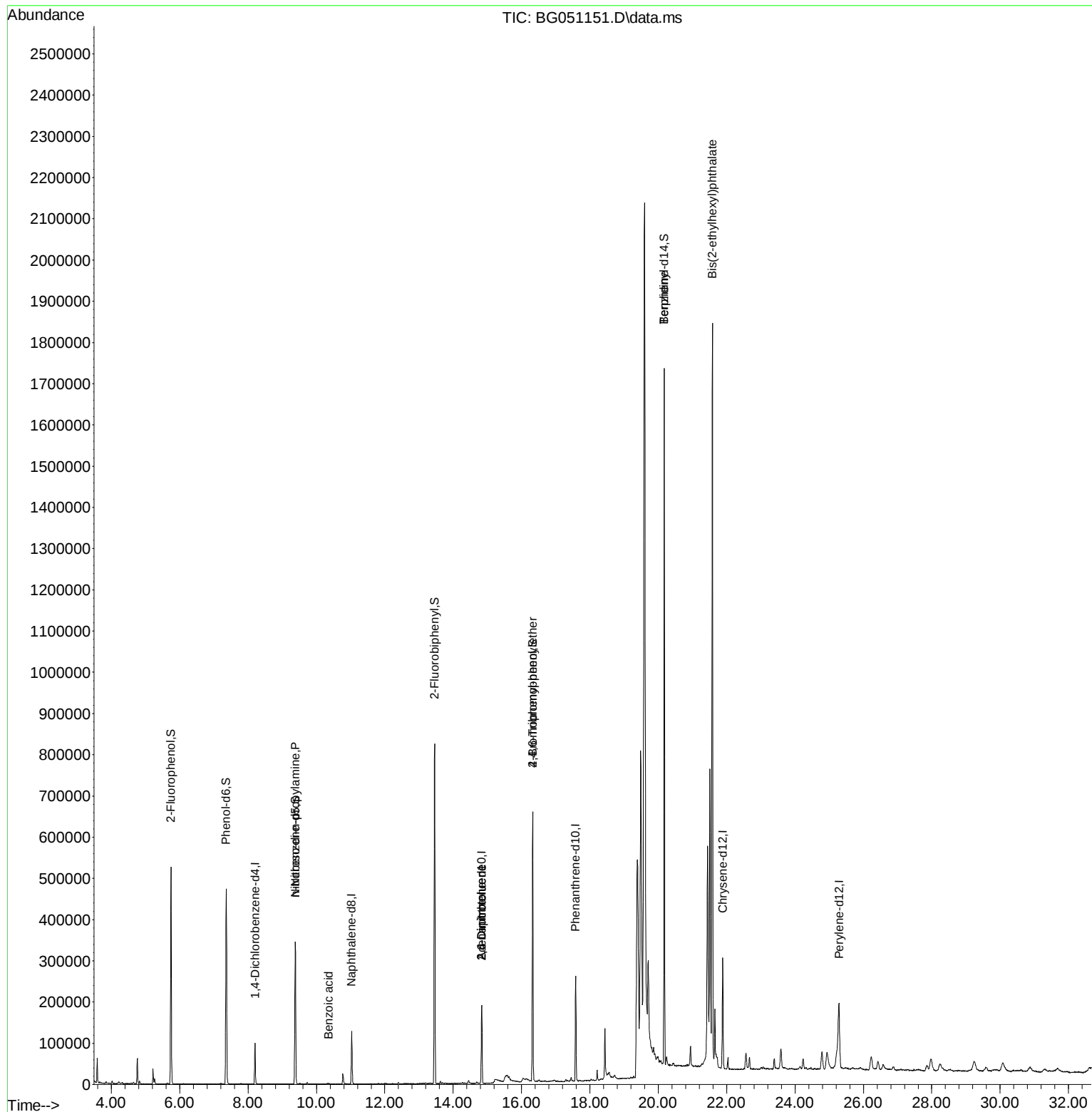
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.205	152	27752	20.00	ng	0.00
21) Naphthalene-d8	11.031	136	108169	20.00	ng	# 0.00
39) Acenaphthene-d10	14.833	164	68684	20.00	ng	0.00
64) Phenanthrene-d10	17.582	188	154537	20.00	ng	# 0.00
76) Chrysene-d12	21.883	240	169661	20.00	ng	# 0.00
86) Perylene-d12	25.285	264	168857	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	228085	127.05	ng	0.00
7) Phenol-d6	7.359	99	271700	107.45	ng	0.00
23) Nitrobenzene-d5	9.380	82	224455	94.72	ng	0.00
42) 2,4,6-Tribromophenol	16.325	330	105767	144.88	ng	0.00
45) 2-Fluorobiphenyl	13.458	172	429674	94.40	ng	0.00
79) Terphenyl-d14	20.173	244	770741	83.05	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.380	70	31513	16.88	ng	# 68
32) Benzoic acid	10.355	122	54	4.24	ng	# 35
51) 2,6-Dinitrotoluene	14.833	165	9292	8.41	ng	# 11
57) 2,4-Dinitrotoluene	14.833	165	9292	5.87	ng	# 16
67) 4-Bromophenyl-phenylether	16.325	248	8059	4.82	ng	# 1
77) Benzidine	20.173	184	13704	4.92	ng	# 94
84) Bis(2-ethylhexyl)phtha...	21.584	149	766900	104.96	ng	# 53

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

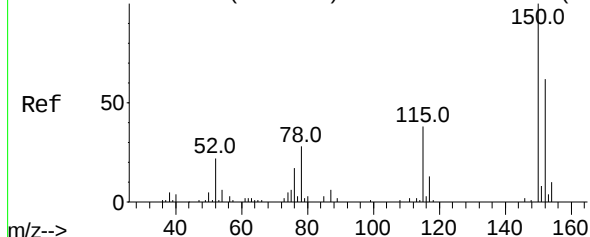
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112021\
Data File : BG051151.D
Acq On : 20 Nov 2021 17:14
Operator : CG/JU
Sample : M4736-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-202

Quant Time: Nov 22 01:23:48 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 16:26:22 2021
Response via : Initial Calibration



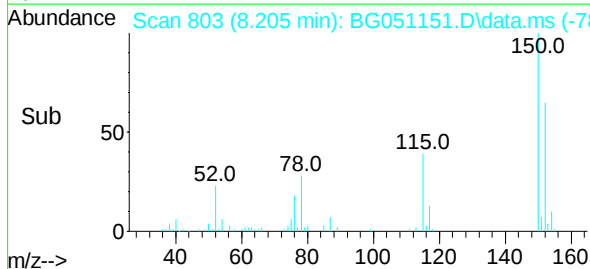
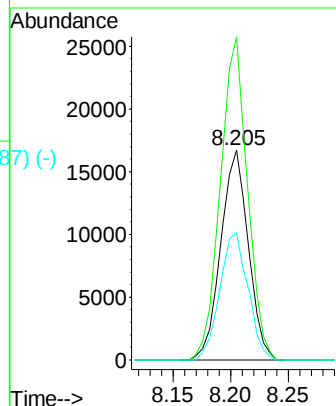
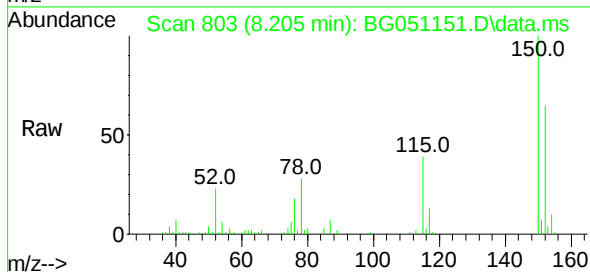
Abundance Scan 804 (8.211 min): BG051122.D\data.ms (-796) #4



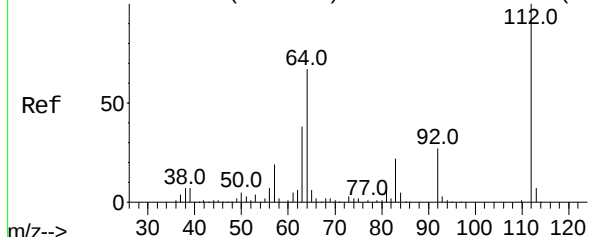
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.205 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG051151.D
Acq: 20 Nov 2021 17:14

Instrument :
BNA_G
ClientSampleId :
VNJ-202

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.8	119.4	179.0
115	60.7	60.2	90.4

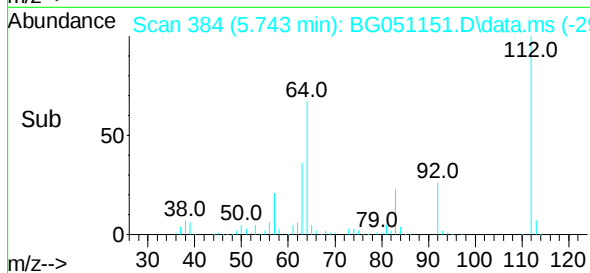
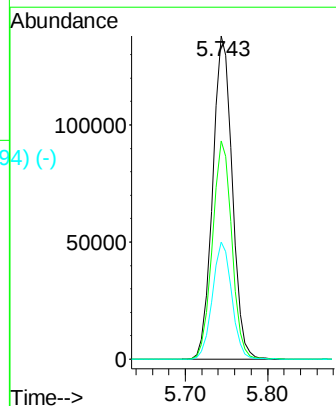
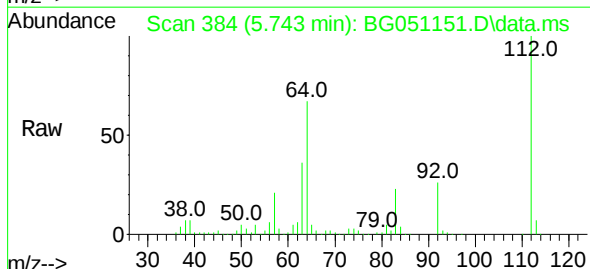


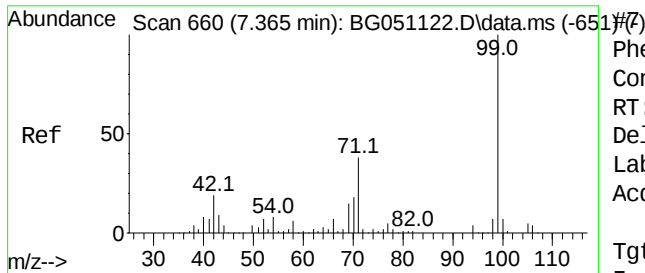
Abundance Scan 384 (5.743 min): BG051122.D\data.ms (-377) #5



2-Fluorophenol
Concen: 127.05 ng
RT: 5.743 min Scan# 384
Delta R.T. 0.000 min
Lab File: BG051151.D
Acq: 20 Nov 2021 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	46.7	70.1
63	36.1	35.3	52.9

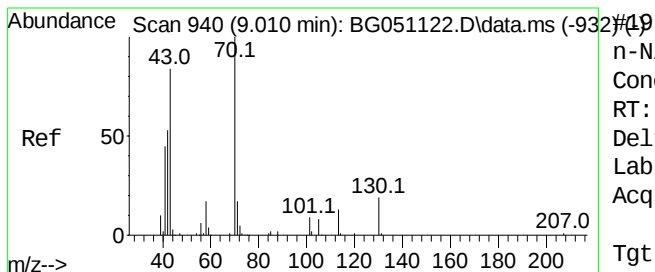
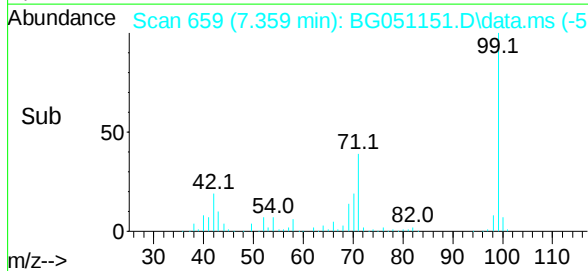
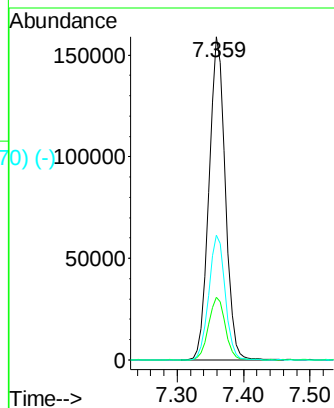
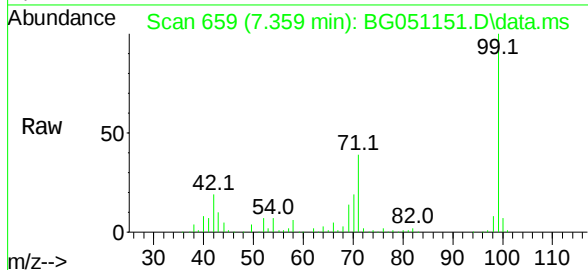




Phenol-d6
 Concen: 107.45 ng
 RT: 7.359 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BG051151.D
 Acq: 20 Nov 2021 17:14

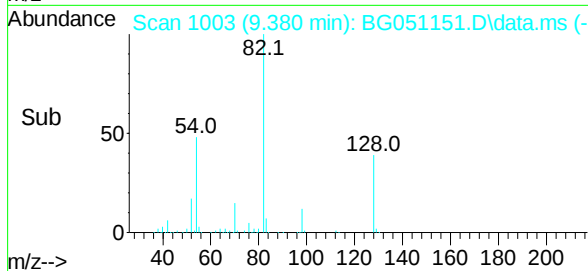
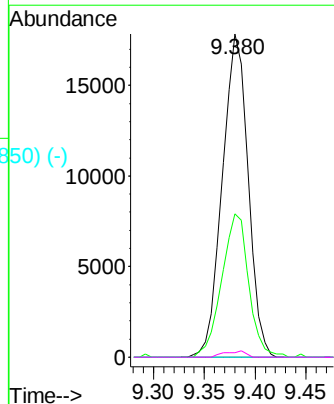
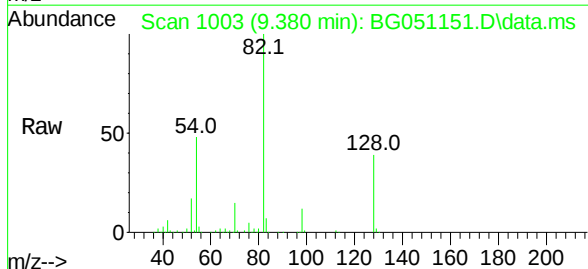
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-202

Tgt Ion:	99	Resp:	271700
Ion	Ratio	Lower	Upper
99	100		
42	19.3	20.5	30.7#
71	38.6	41.5	62.3#



n-Nitroso-di-n-propylamine
 Concen: 16.88 ng
 RT: 9.380 min Scan# 1003
 Delta R.T. 0.370 min
 Lab File: BG051151.D
 Acq: 20 Nov 2021 17:14

Tgt Ion:	70	Resp:	31513
Ion	Ratio	Lower	Upper
70	100		
42	44.4	54.5	81.7#
101	0.0	9.0	13.6#
130	1.4	17.0	25.6#



Abundance Scan 1285 (11.037 min): BG051122.D\data.ms (-1285) (-)

Naphthalene-d8

Concen: 20.00 ng

RT: 11.031 min Scan# 1285

Delta R.T. -0.006 min

Lab File: BG051151.D

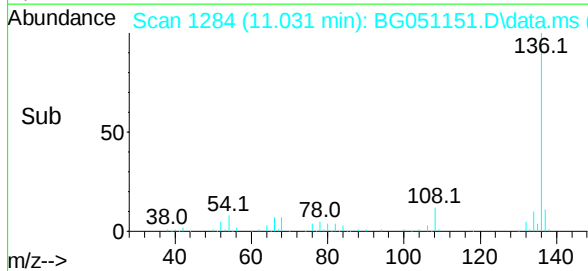
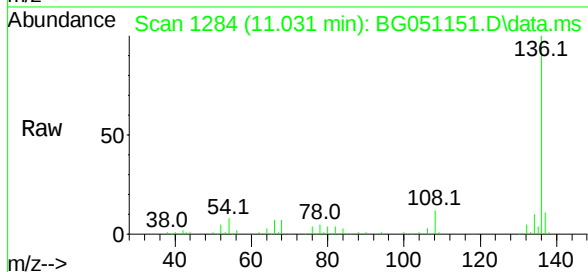
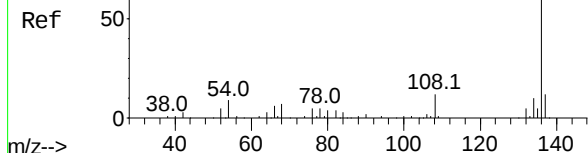
Acq: 20 Nov 2021 17:14

Instrument :

BNA_G

ClientSampleId :

VNJ-202



Tgt Ion:136 Resp: 108169

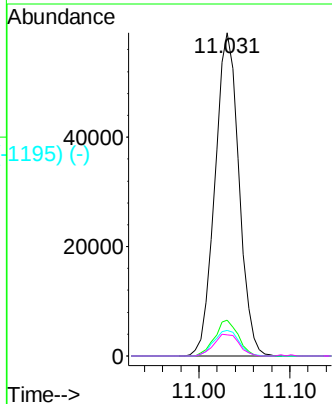
Ion Ratio Lower Upper

136 100

137 11.1 8.2 12.2

54 7.8 5.5 8.3

68 6.5 2.3 3.5#



Abundance Scan 1004 (9.386 min): BG051122.D\data.ms (-99623)

Nitrobenzene-d5

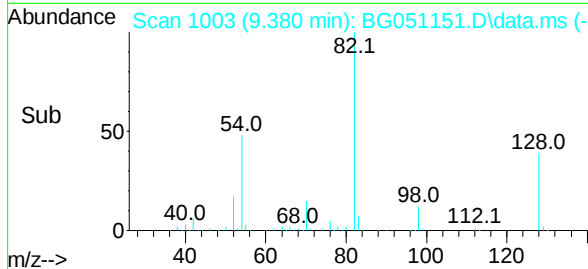
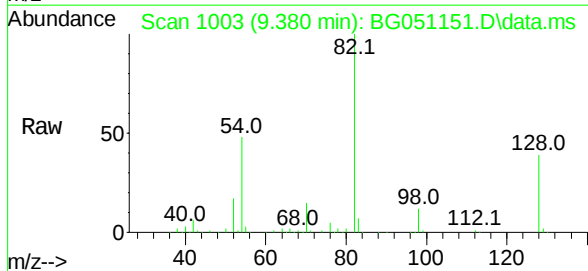
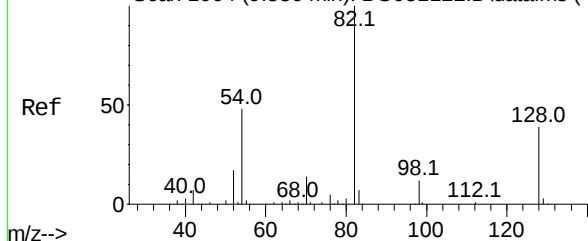
Concen: 94.72 ng

RT: 9.380 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14



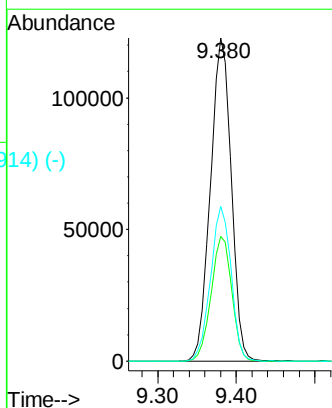
Tgt Ion: 82 Resp: 224455

Ion Ratio Lower Upper

82 100

128 38.7 29.8 44.6

54 47.8 45.8 68.8



Abundance Scan 1167 (10.344 min): BG051122.D\data.ms (-1132) (-)

Benzoic acid

Concen: 4.24 ng

RT: 10.355 min Scan# 1169

Delta R.T. 0.011 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

Instrument :

BNA_G

ClientSampleId :

VNJ-202

Tgt Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 92.3 132.3#

77 98.7 66.5 106.5

Abundance Scan 1169 (10.355 min): BG051151.D\data.ms

Ref

50

0

m/z-->

30 40 50 60 70 80 90 100 110 120

38.0 51.0 77.0 105.0 122.0

Abundance Scan 1169 (10.355 min): BG051151.D\data.ms

Raw

50

0

m/z-->

30 40 50 60 70 80 90 100 110 120

43.0 60.0 72.9 122.0

Abundance Scan 1169 (10.355 min): BG051151.D\data.ms (-1077) (-)

Sub

50

0

m/z-->

30 40 50 60 70 80 90 100 110 120

43.9 60.0 72.9 122.0

Abundance

250

200

150

100

50

0

Time-->

10.36

Abundance Scan 1932 (14.838 min): BG051122.D\data.ms (-1925) (-)

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.833 min Scan# 1931

Delta R.T. -0.005 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

Tgt Ion:164 Resp: 68684

Ion Ratio Lower Upper

164 100

162 105.8 81.4 122.0

160 44.4 34.9 52.3

Abundance Scan 1931 (14.833 min): BG051151.D\data.ms

Ref

50

0

m/z-->

30 40 50 60 70 80 90 100 110 120

54.0 80.0 108.1 132.1 162.1

Abundance Scan 1931 (14.833 min): BG051151.D\data.ms

Raw

50

0

m/z-->

30 40 50 60 70 80 90 100 110 120

54.0 80.0 108.1 132.1 162.1

Abundance Scan 1931 (14.833 min): BG051151.D\data.ms (-1842) (-)

Sub

50

0

m/z-->

30 40 50 60 70 80 90 100 110 120

54.0 80.0 108.1 132.1 162.1

Abundance

40000

30000

20000

10000

0

Time-->

14.80 14.90

Abundance Scan 2186 (16.331 min): BG051122.D\data.ms (-2174) (-)

2,4,6-Tribromophenol

Concen: 144.88 ng

RT: 16.325 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

Instrument :

BNA_G

ClientSampleId :

VNJ-202

Tgt Ion:330 Resp: 105767

Ion Ratio Lower Upper

330 100

332 98.6 77.3 115.9

141 45.4 35.6 53.4

Abundance Scan 2185 (16.325 min): BG051151.D\data.ms

Ref 50

62.0 140.9 221.9 329.8

m/z-->

Raw 50

62.0 105.0 142.9 221.8 329.8

m/z-->

Abundance Scan 2185 (16.325 min): BG051151.D\data.ms (-2096) (-)

Sub 50

62.0 105.0 142.9 221.8 329.8

m/z-->

Abundance

16.325

60000

40000

20000

0

Time-->

Abundance Scan 1697 (13.458 min): BG051122.D\data.ms (-1645) (-)

2-Fluorobiphenyl

Concen: 94.40 ng

RT: 13.458 min Scan# 1697

Delta R.T. 0.000 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

Tgt Ion:172 Resp: 429674

Ion Ratio Lower Upper

172 100

171 36.9 28.6 43.0

170 24.6 18.6 27.8

Abundance Scan 1697 (13.458 min): BG051151.D\data.ms

Ref 50

51.0 85.0 111.0 133.0 152.1 172.1

m/z-->

Raw 50

51.0 85.0 111.0 133.0 152.1 172.1

m/z-->

Abundance Scan 1697 (13.458 min): BG051151.D\data.ms (-1607) (-)

Sub 50

51.0 85.0 111.0 133.0 152.1 172.1

m/z-->

Abundance

13.458

250000

200000

150000

100000

50000

0

Time-->

Abundance Scan 1860 (14.415 min): BG051122.D\data.ms (-1652) (-)

2,6-Dinitrotoluene

Concen: 8.41 ng

RT: 14.833 min Scan# 1931

Delta R.T. 0.417 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

Instrument :

BNA_G

ClientSampleId :

VNJ-202

Tgt Ion:165 Resp: 9292

Ion Ratio Lower Upper

165 100

63 2.6 63.3 94.9#

89 0.0 63.4 95.0#

Abundance Scan 1931 (14.833 min): BG051151.D\data.ms

m/z-->

Ref

50

39.0 63.0 89.0 121.0 165.0

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160

54.0 80.0 108.1 132.1 162.1

0

Abundance

6000

14.833

4000

2000

0

14.80 14.85

Time-->

Abundance Scan 1994 (15.203 min): BG051122.D\data.ms (-1957) (-)

2,4-Dinitrotoluene

Concen: 5.87 ng

RT: 14.833 min Scan# 1931

Delta R.T. -0.370 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

Tgt Ion:165 Resp: 9292

Ion Ratio Lower Upper

165 100

63 2.6 48.0 72.0#

89 0.0 65.4 98.0#

182 0.0 2.0 3.0#

Abundance Scan 1931 (14.833 min): BG051151.D\data.ms

m/z-->

Ref

50

39.0 63.0 89.0 119.0 139.0 165.0

0

40 60 80 100 120 140 160 180

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160 180

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160 180

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160 180

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160 180

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160 180

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160 180

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160 180

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160 180

54.0 80.0 108.1 132.1 162.1

0

40 60 80 100 120 140 160 180

54.0 80.0 108.1 132.1 162.1

0

Abundance

6000

14.833

4000

2000

0

14.80 14.85

Time-->

Abundance Scan 2400 (17.588 min): BG051122.D\data.ms (-2362) (-)

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.582 min Scan# 2185

Delta R.T. -0.006 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

Instrument :

BNA_G

ClientSampleId :

VNJ-202

Tgt Ion:188 Resp: 154537

Ion Ratio Lower Upper

188 100

94 8.2 5.4 8.0#

80 9.6 3.7 5.5#

Abundance Scan 2399 (17.582 min): BG051151.D\data.ms

Ref 50

188.1

52.0 80.0 108.1 132.1 160.1

m/z-->

Abundance Scan 2399 (17.582 min): BG051151.D\data.ms

Raw 50

188.1

54.1 80.0 108.0 132.0 160.1

m/z-->

Abundance Scan 2399 (17.582 min): BG051151.D\data.ms (-2310) (-)

Sub 50

188.1

54.1 80.0 108.0 132.0 160.1

m/z-->

Abundance

100000

80000

60000

40000

20000

0

Time-->

17.50 17.60

Abundance Scan 2259 (16.760 min): BG051122.D\data.ms (-2362) (-)

4-Bromophenyl-phenylether

Concen: 4.82 ng

RT: 16.325 min Scan# 2185

Delta R.T. -0.435 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

Tgt Ion:248 Resp: 8059

Ion Ratio Lower Upper

248 100

250 201.4 76.1 114.1#

141 596.4 65.4 98.2#

Abundance Scan 2185 (16.325 min): BG051151.D\data.ms

Ref 50

329.8

62.0 142.9 221.8

m/z-->

Abundance Scan 2185 (16.325 min): BG051151.D\data.ms

Raw 50

329.8

62.0 142.9 221.8

m/z-->

Abundance Scan 2185 (16.325 min): BG051151.D\data.ms (-2169) (-)

Sub 50

329.8

62.0 142.9 221.8

m/z-->

Abundance

30000

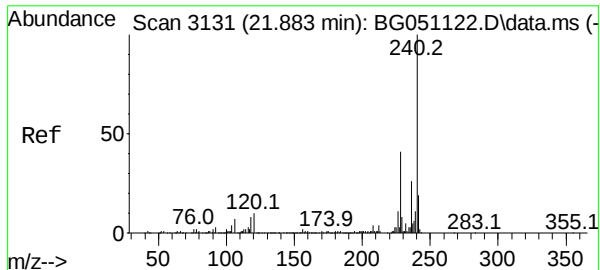
20000

10000

0

Time-->

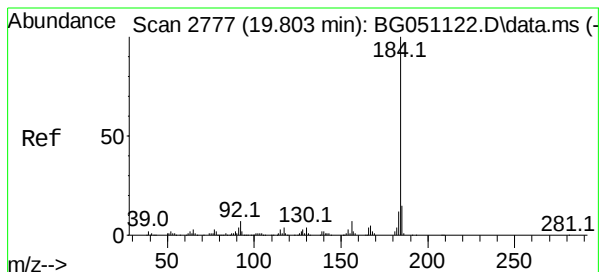
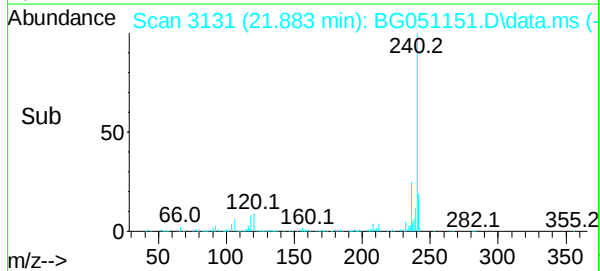
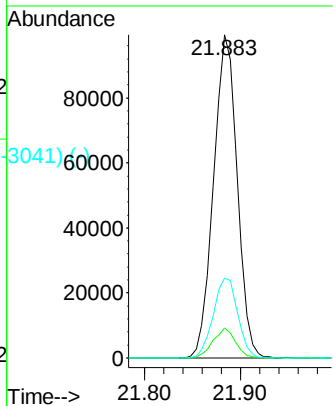
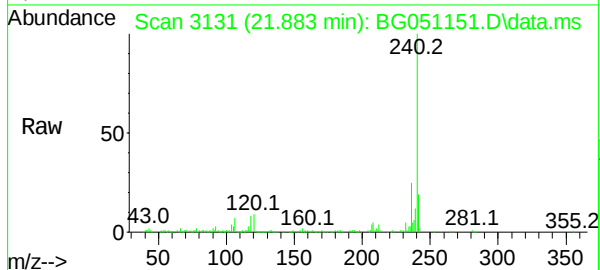
16.30 16.35



Chrysene-d12
 Concen: 20.00 ng
 RT: 21.883 min Scan# 3131
 Delta R.T. 0.000 min
 Lab File: BG051151.D
 Acq: 20 Nov 2021 17:14

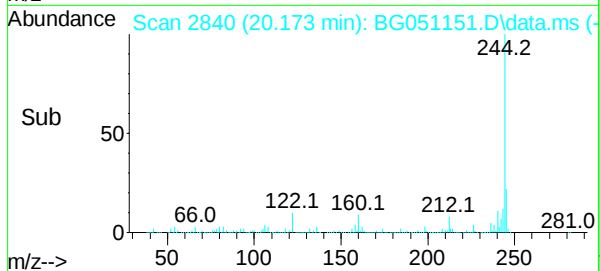
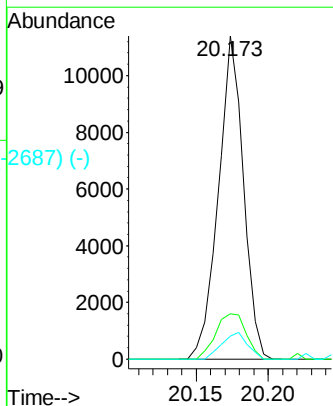
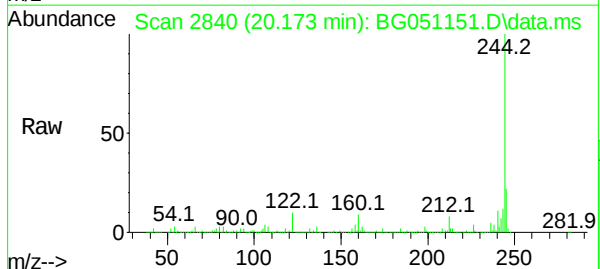
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-202

Tgt Ion:240 Resp: 169661
 Ion Ratio Lower Upper
 240 100
 120 9.3 4.2 6.2#
 236 24.7 21.8 32.6



Benzidine
 Concen: 4.92 ng
 RT: 20.173 min Scan# 2840
 Delta R.T. 0.370 min
 Lab File: BG051151.D
 Acq: 20 Nov 2021 17:14

Tgt Ion:184 Resp: 13704
 Ion Ratio Lower Upper
 184 100
 185 14.1 10.7 16.1
 183 7.2 9.4 14.0#



Abundance Scan 2840 (20.173 min): BG051122.D\data.ms (-2750) (-)

Terphenyl-d14

Concen: 83.05 ng

RT: 20.173 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

Instrument :

BNA_G

ClientSampleId :

VNJ-202

Tgt Ion:244 Resp: 770741

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

122 10.1 5.0 7.6#

Abundance Scan 2840 (20.173 min): BG051151.D\data.ms

Ref 50

244.2

54.0 90.0 122.1 160.1 212.1 282.1

m/z-->

Raw 50

54.1 90.0 122.1 160.1 212.1 281.9

m/z-->

Abundance Scan 2840 (20.173 min): BG051151.D\data.ms (-2750) (-)

Sub 50

244.2

42.0 82.1 122.1 160.1 212.1 281.9

m/z-->

Abundance

20.173

500000

400000

300000

200000

100000

0

Time-->

20.10 20.20 20.30

Abundance Scan 3104 (21.725 min): BG051122.D\data.ms (-3080) (-)

Bis(2-ethylhexyl)phthalate

Concen: 104.96 ng

RT: 21.584 min Scan# 3080

Delta R.T. -0.141 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

Tgt Ion:149 Resp: 766900

Ion Ratio Lower Upper

149 100

167 0.0 22.3 33.5#

279 0.0 3.8 5.8#

Abundance Scan 3080 (21.584 min): BG051151.D\data.ms

Ref 50

105.0

149.0

51.0 105.0 149.0 207.0 281.0 341.1

m/z-->

Raw 50

51.0 105.0 149.0 207.0 281.0 341.1

m/z-->

Abundance Scan 3080 (21.584 min): BG051151.D\data.ms (-3014) (-)

Sub 50

105.0

149.0

51.0 105.0 149.0 192.0 281.0 341.1

m/z-->

Abundance

21.584

400000

300000

200000

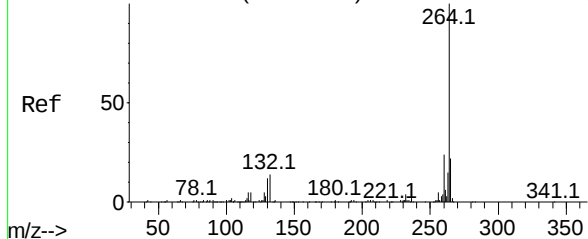
100000

0

Time-->

21.40 21.60

Abundance Scan 3709 (25.279 min): BG051122.D\data.ms (-3696) (-)



Perylene-d12

Concen: 20.00 ng

RT: 25.285 min Scan# 3619

Delta R.T. 0.006 min

Lab File: BG051151.D

Acq: 20 Nov 2021 17:14

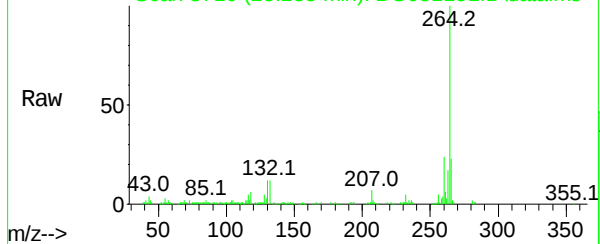
Instrument :

BNA_G

ClientSampleId :

VNJ-202

Abundance Scan 3710 (25.285 min): BG051151.D\data.ms



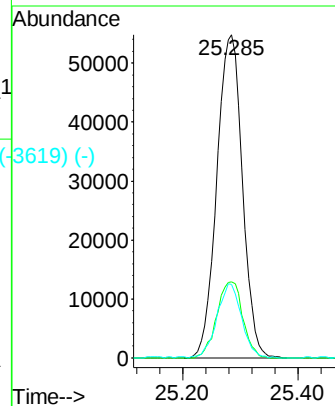
Tgt Ion:264 Resp: 168857

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 22.8 16.9 25.3



Abundance Scan 3710 (25.285 min): BG051151.D\data.ms (-3619) (-)

