

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
 Data File : BF105341.D
 Acq On : 12 May 2018 16:55
 Operator : JU/SJ
 Sample : J2870-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-RUBBLE-PILE-B

Quant Time: May 14 09:39:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 11 17:15:19 2018
 Response via : Initial Calibration

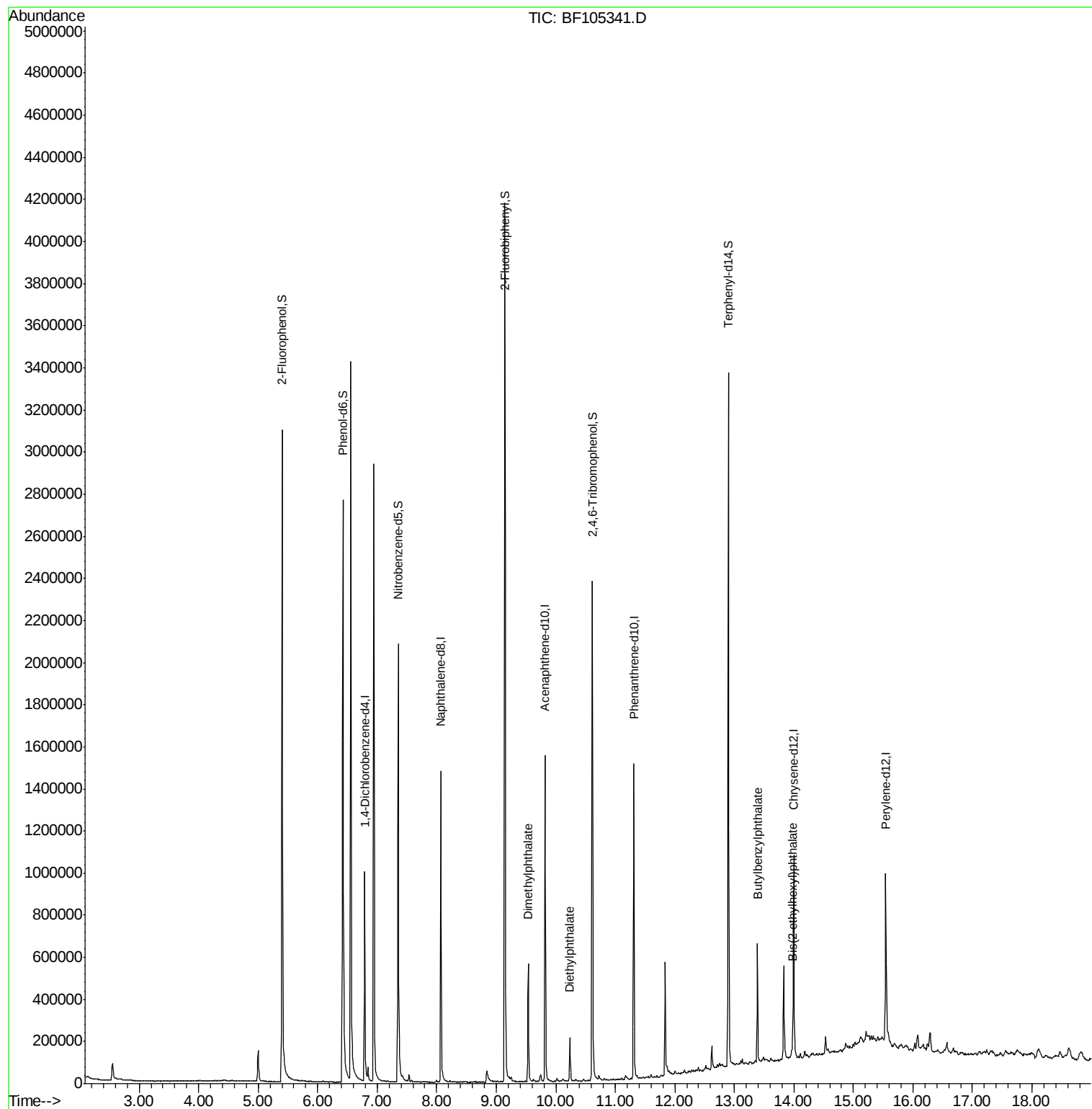
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	156246	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	661961	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	294052	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	529058	20.00	ng	0.00
75) Chrysene-d12	14.00	240	334132	20.00	ng	-0.02
86) Perylene-d12	15.54	264	384787	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	990406	95.34	ng	0.00
7) Phenol-d6	6.43	99	1227741	99.46	ng	0.00
23) Nitrobenzene-d5	7.35	82	780862	68.66	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	357818	94.19	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1344276	65.89	ng	0.00
78) Terphenyl-d14	12.90	244	1177673	75.77	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.54	163	218819	9.693	ng	99
59) Diethylphthalate	10.24	149	72643	3.226	ng	98
79) Butylbenzylphthalate	13.39	149	131950	11.617	ng	94
83) Bis(2-ethylhexyl)phthalate	13.98	149	42380	3.081	ng	# 98

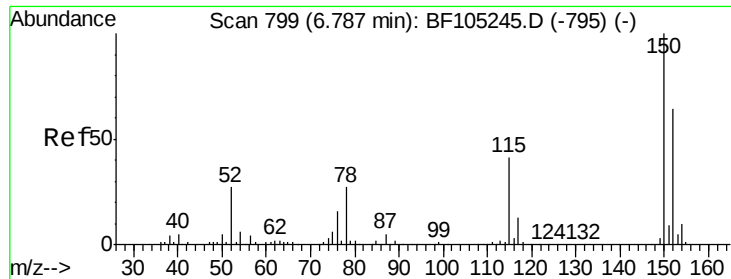
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

Instrument :

BNA_F

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

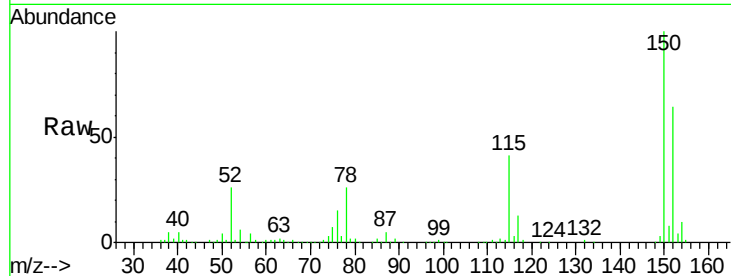
Tot Ion:152 Resp: 156246

Ion Ratio Lower Upper

152 100

150 157.0 124.6 186.8

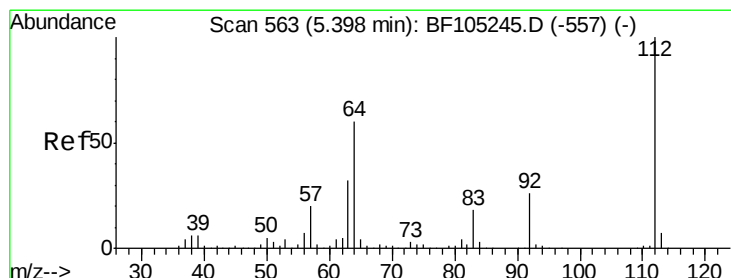
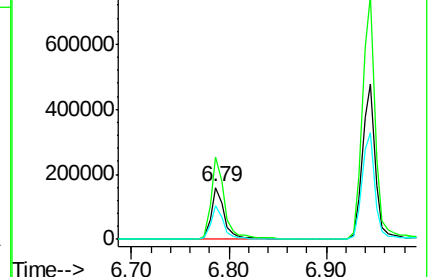
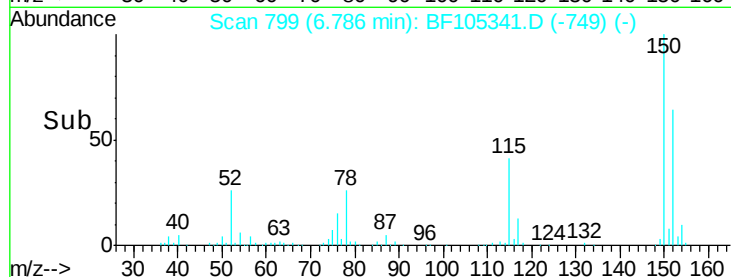
115 64.8 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 95.336 ng

RT: 5.40 min Scan# 564

Delta R.T. 0.01 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

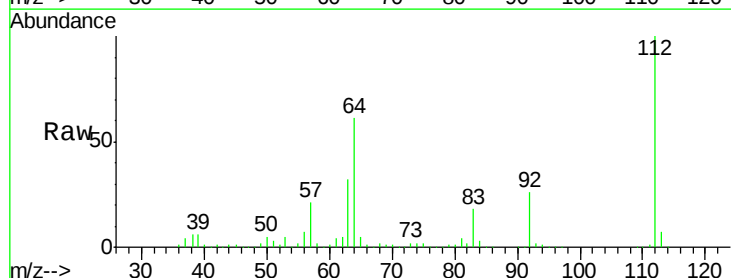
Tgt Ion:112 Resp: 990406

Ion Ratio Lower Upper

112 100

64 61.2 47.9 71.9

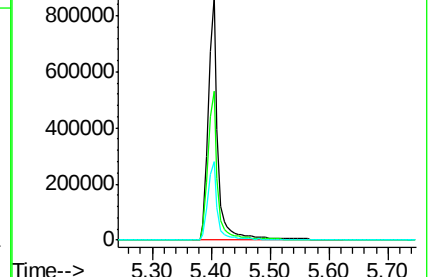
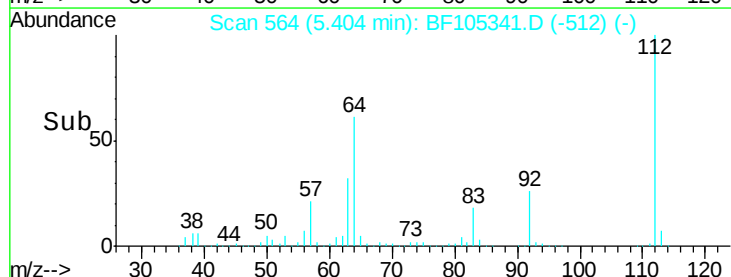
63 32.4 23.7 35.5

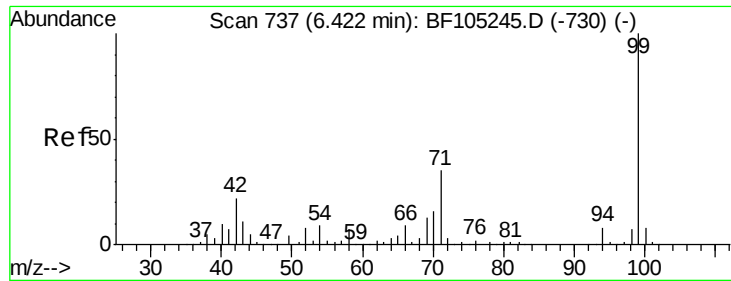


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 99.458 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

Instrument :

BNA_F

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

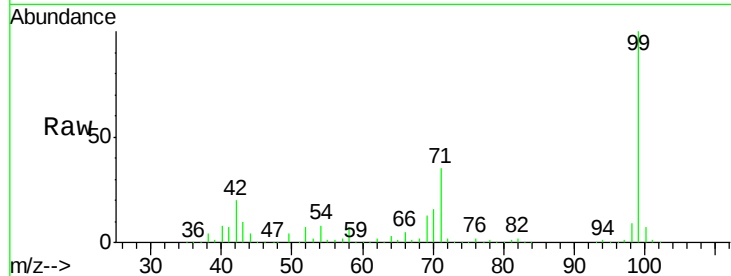
Tot Ion: 99 Resp: 1227741

Ion Ratio Lower Upper

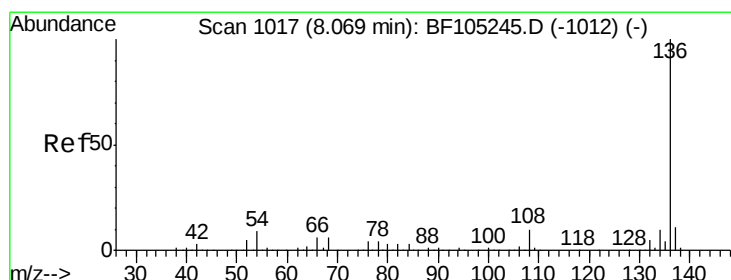
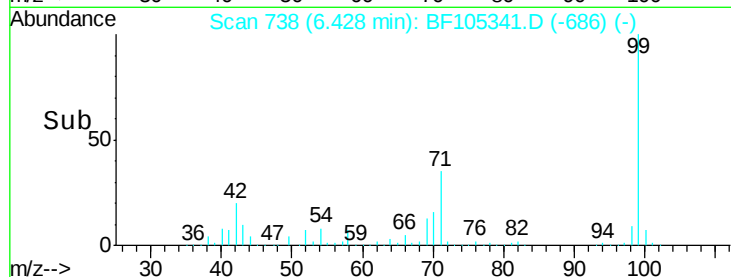
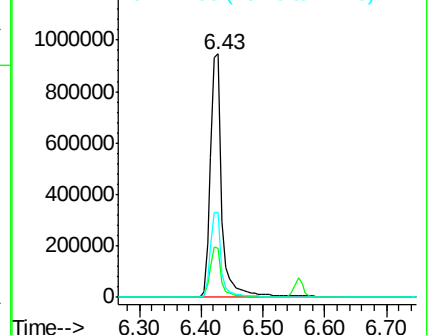
99 100

42 20.0 14.5 21.7

71 34.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

Tgt Ion: 136 Resp: 661961

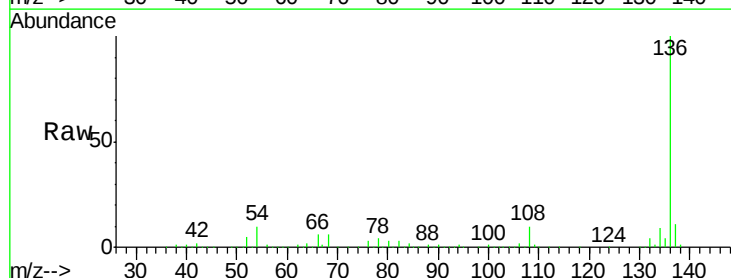
Ion Ratio Lower Upper

136 100

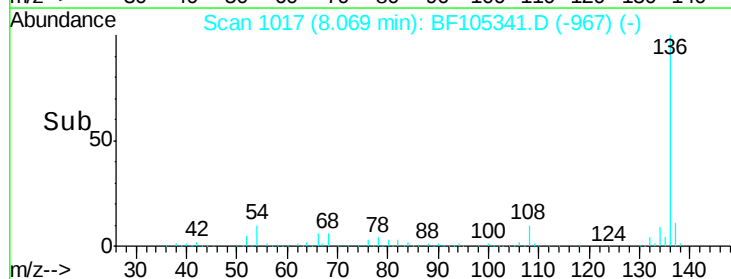
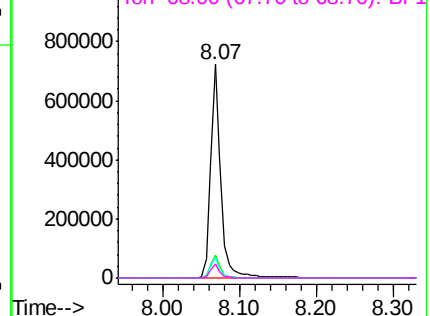
137 11.1 8.9 13.3

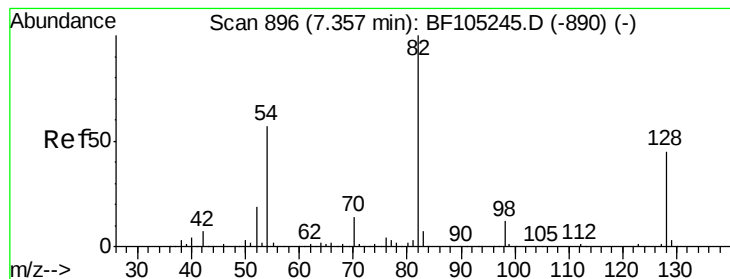
54 9.6 6.6 9.8

68 6.4 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 68.656 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

Instrument :

BNA_F

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

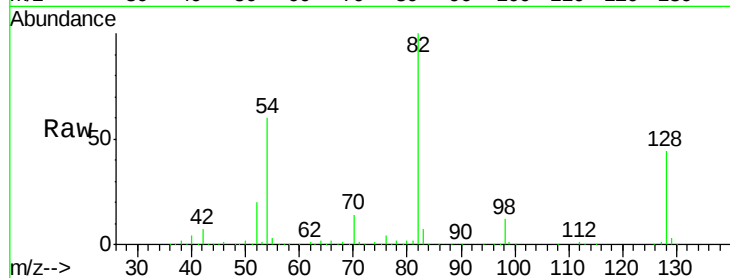
Tot Ion: 82 Resp: 780862

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

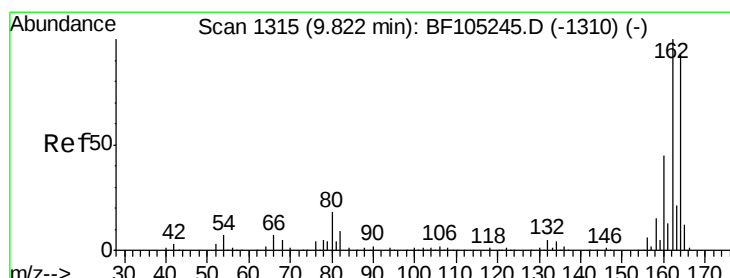
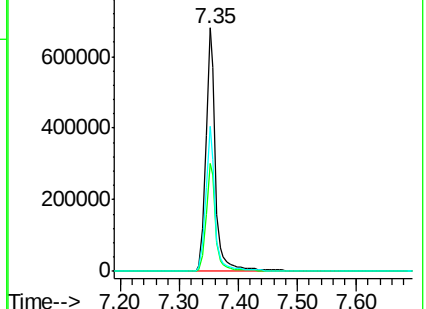
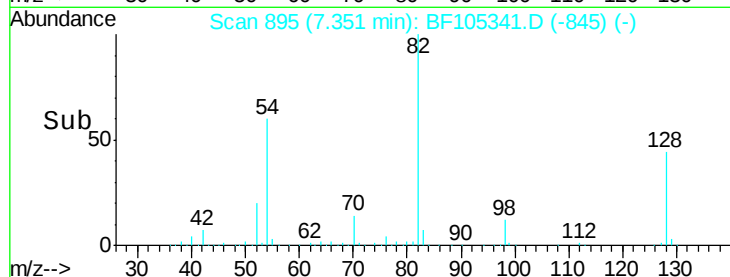
54 59.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

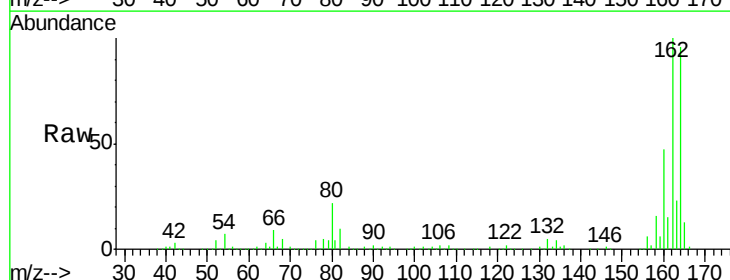
Tgt Ion: 164 Resp: 294052

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

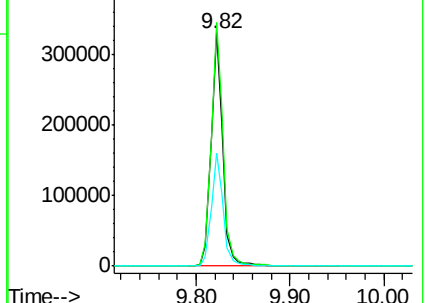
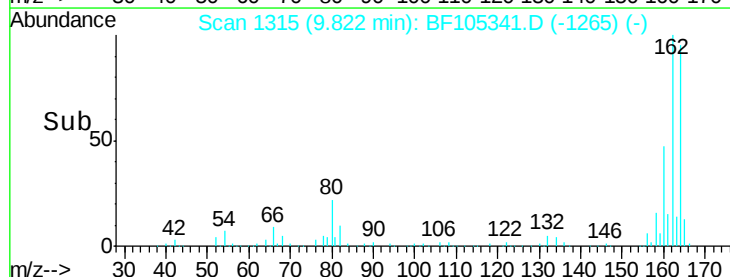
160 48.7 38.3 57.5

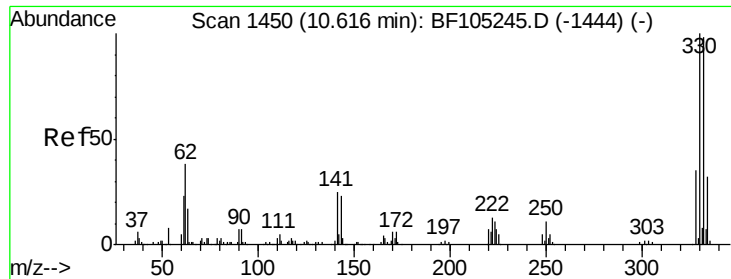


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

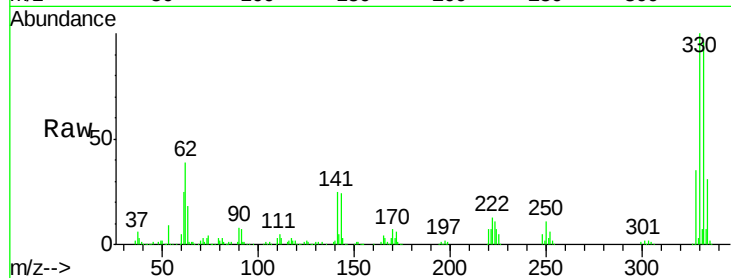




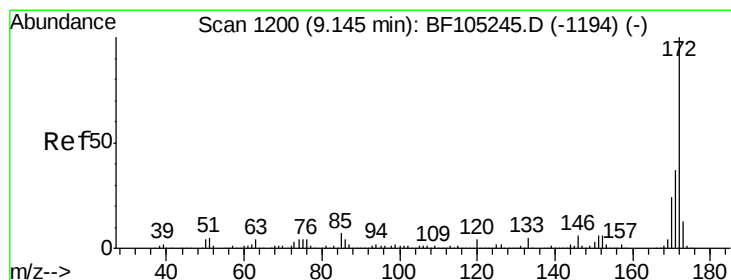
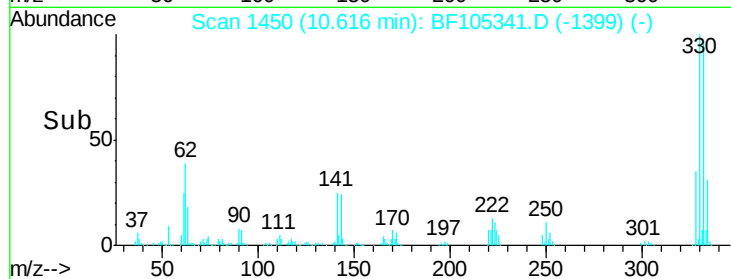
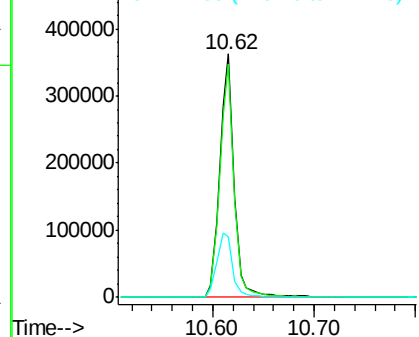
#41
 2,4,6-Tribromophenol
 Concen: 94.186 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.00 min
 Lab File: BF105341.D
 Acq: 12 May 2018 16:55

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-RUBBLE-PILE-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	29.8	29.9	44.9#

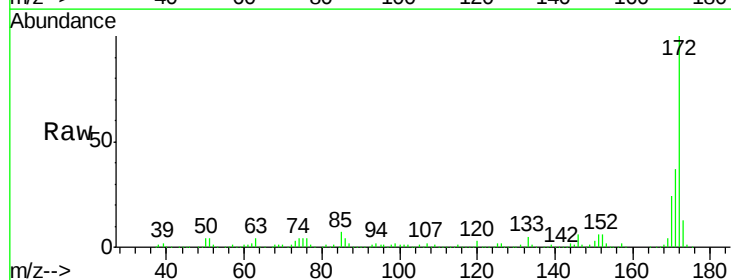


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

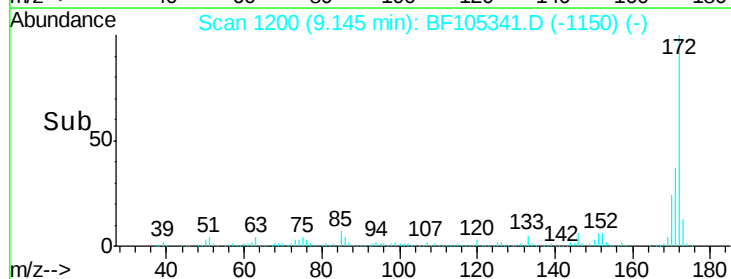
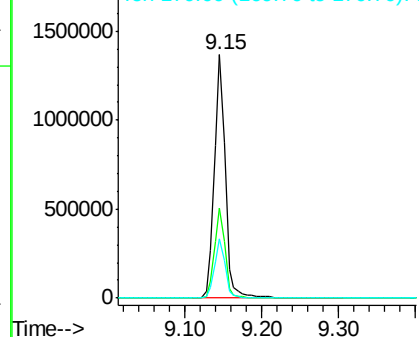


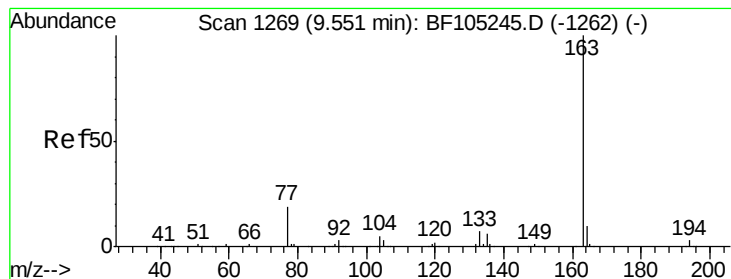
#44
 2-Fluorobiphenyl
 Concen: 65.890 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF105341.D
 Acq: 12 May 2018 16:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.3	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 9.693 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

Instrument :

BNA_F

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

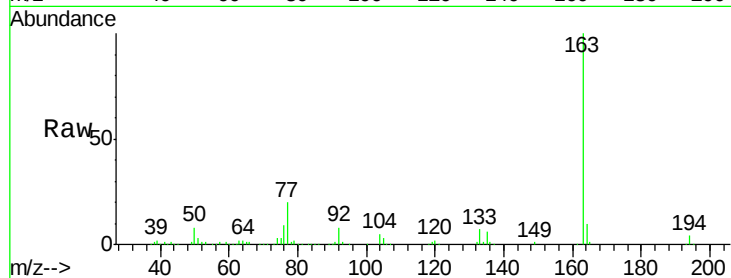
Tot Ion:163 Resp: 218819

Ion Ratio Lower Upper

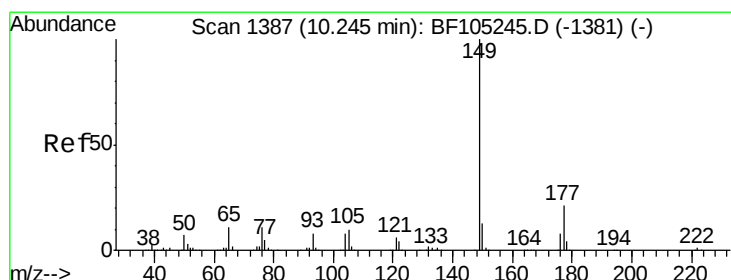
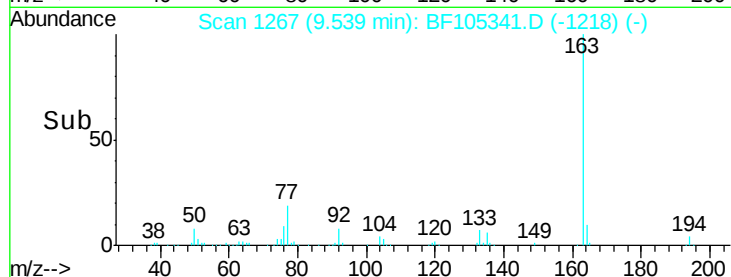
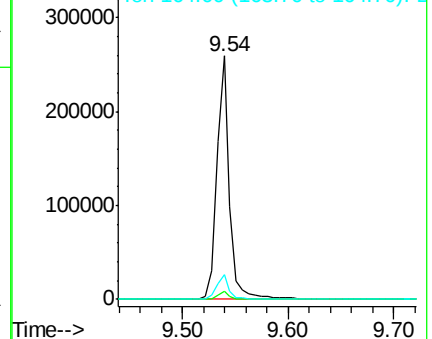
163 100

194 3.5 2.7 4.1

164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#59

Diethylphthalate

Concen: 3.226 ng

RT: 10.24 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

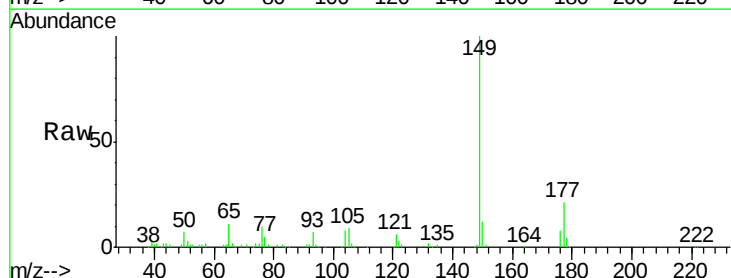
Tgt Ion:149 Resp: 72643

Ion Ratio Lower Upper

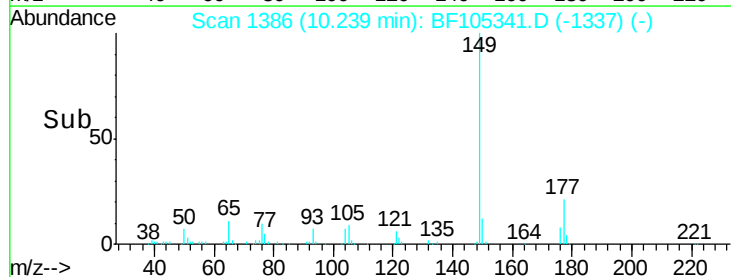
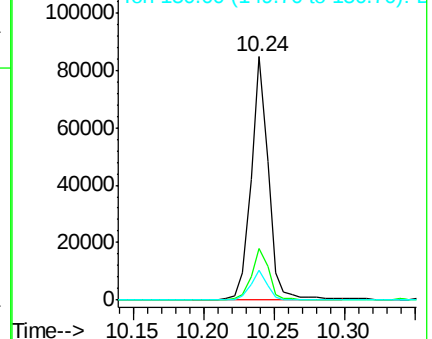
149 100

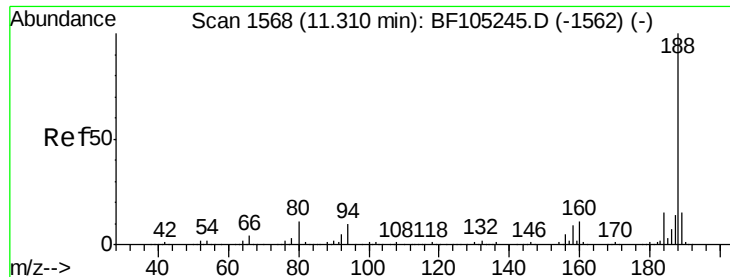
177 21.1 16.1 24.1

150 12.4 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

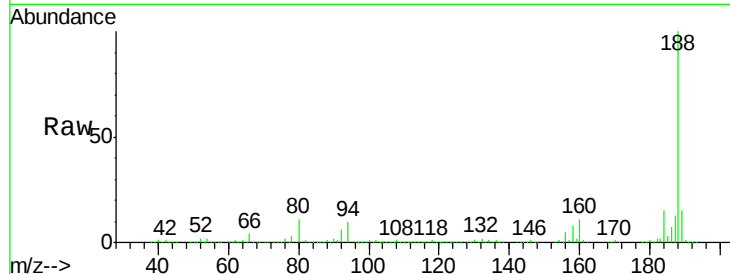




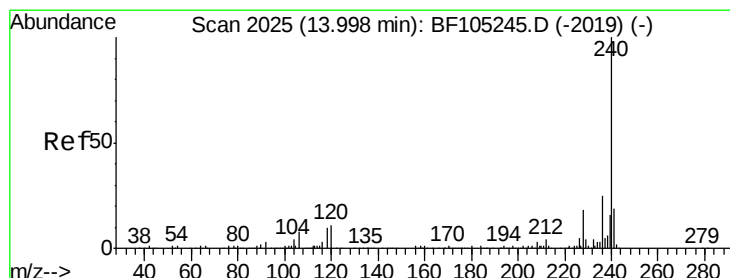
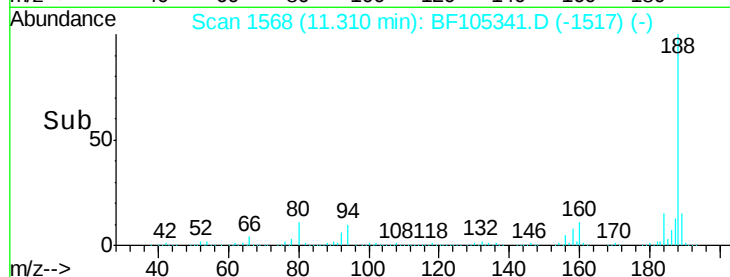
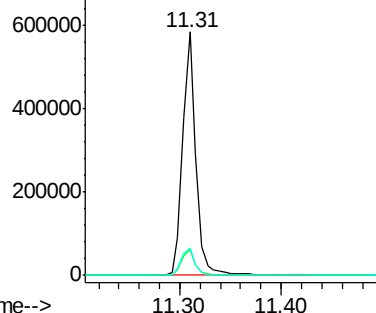
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF105341.D
Acq: 12 May 2018 16:55

Instrument :
BNA_F
ClientSampleId :
CONCRETE-RUBBLE-PILE-B

Tot Ion:188 Resp: 529058
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.2 9.2 13.8

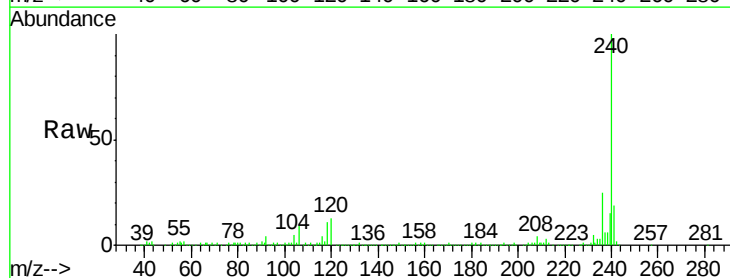


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

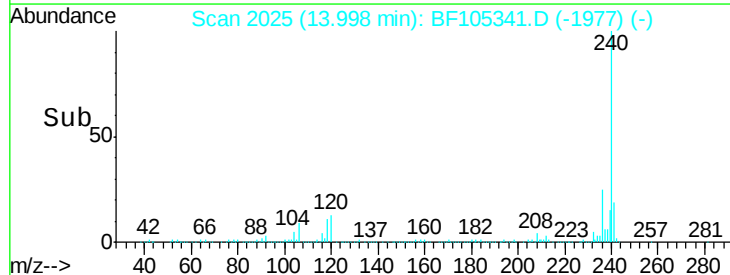
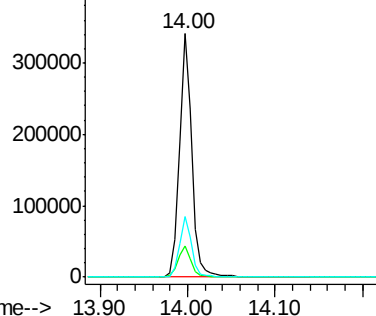


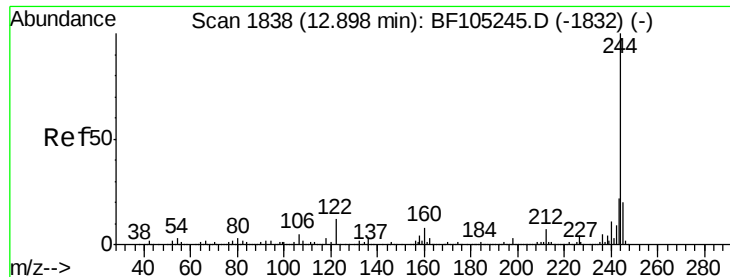
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF105341.D
Acq: 12 May 2018 16:55

Tgt Ion:240 Resp: 334132
Ion Ratio Lower Upper
240 100
120 13.0 9.5 14.3
236 24.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 75.767 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

Instrument :

BNA_F

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

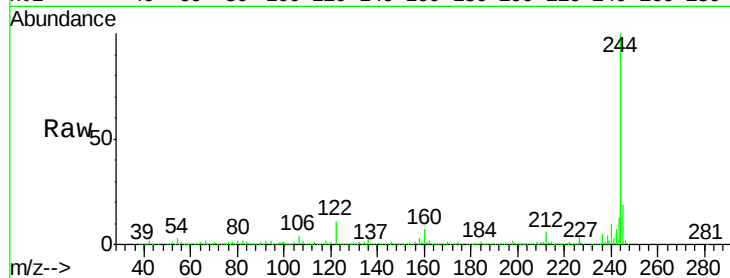
Tot Ion:244 Resp: 1177673

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

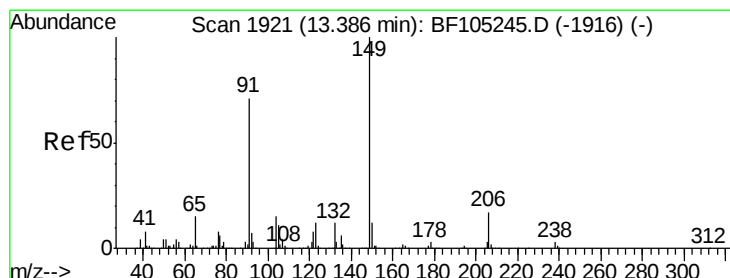
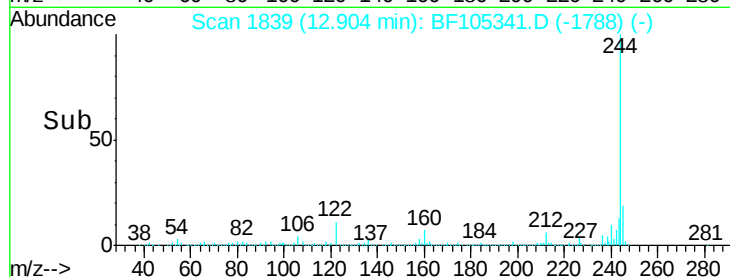
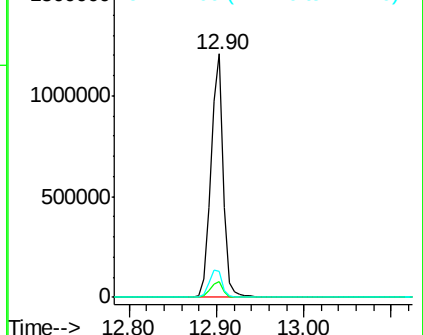
122 10.9 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 11.617 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

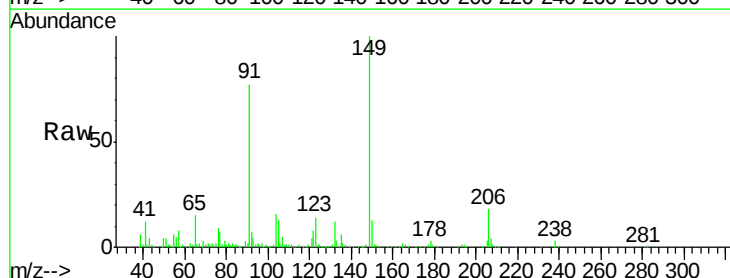
Tgt Ion:149 Resp: 131950

Ion Ratio Lower Upper

149 100

91 76.6 56.8 85.2

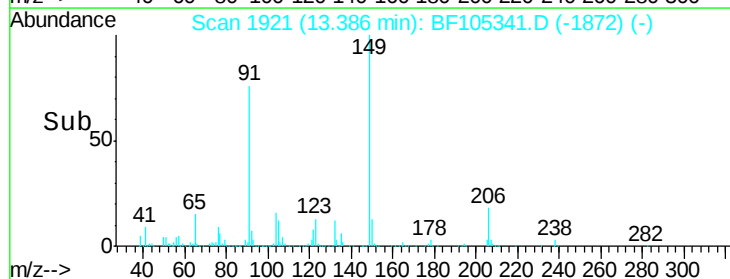
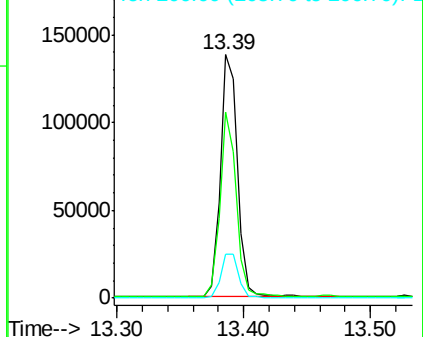
206 18.0 14.1 21.1

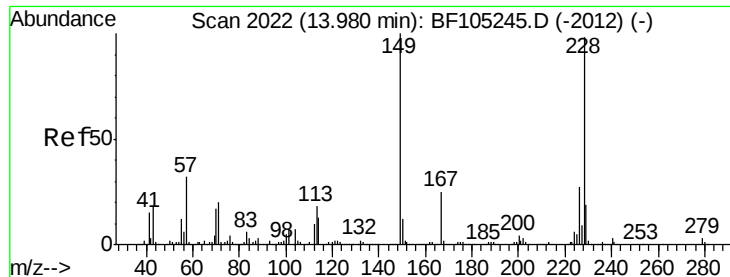


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.081 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

Instrument :

BNA_F

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

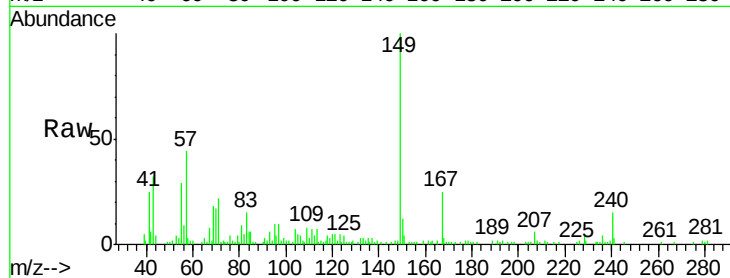
Tot Ion:149 Resp: 42380

Ion Ratio Lower Upper

149 100

167 25.5 21.3 31.9

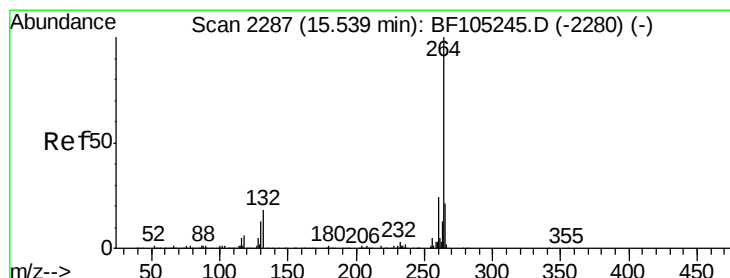
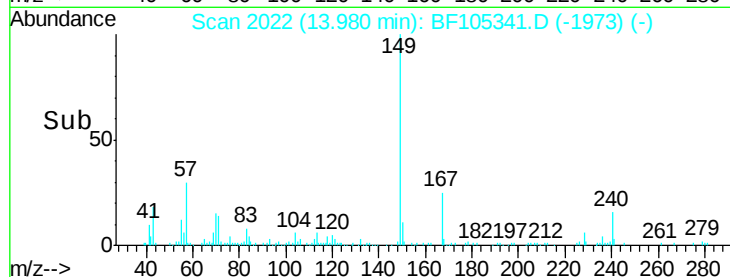
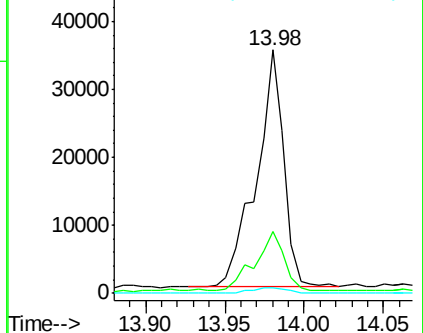
279 2.4 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF105341.D

Acq: 12 May 2018 16:55

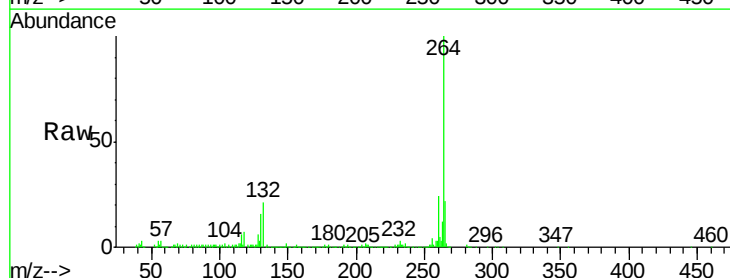
Tgt Ion:264 Resp: 384787

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.6 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

