

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099098.D
 Acq On : 5 Oct 2017 12:01
 Operator : SJ/JU
 Sample : I5275-01
 Misc : LOD 8 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Quant Time: Oct 06 01:19:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 09:04:50 2017
 Response via : Initial Calibration

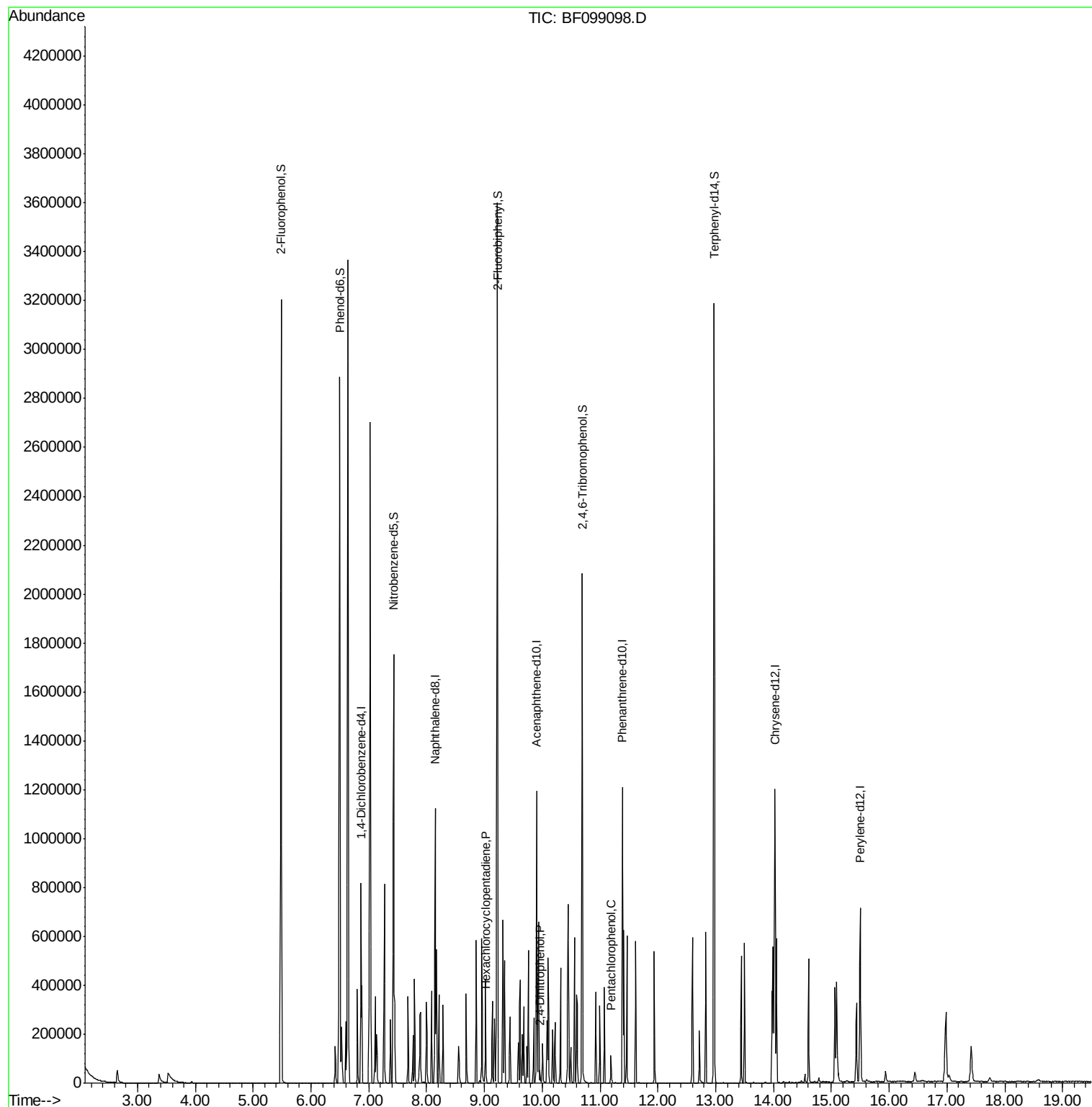
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	115275	20.00	ng	-0.06
21) Naphthalene-d8	8.15	136	487902	20.00	ng	-0.06
38) Acenaphthene-d10	9.90	164	227767	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	406424	20.00	ng	-0.06
75) Chrysene-d12	14.03	240	332252	20.00	ng	-0.06
86) Perylene-d12	15.50	264	300835	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1110439	153.35	ng	-0.05
7) Phenol-d6	6.50	99	1372175	153.61	ng	-0.05
23) Nitrobenzene-d5	7.43	82	676726	88.95	ng	-0.06
41) 2,4,6-Tribromophenol	10.70	330	289536	155.35	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	1230525	90.19	ng	-0.06
78) Terphenyl-d14	12.97	244	1080408	73.95	ng	-0.06
Target Compounds						
40) Hexachlorocyclopentadiene	9.01	237	6335	2.041	ng	95
53) 2,4-Dinitrophenol	9.96	184	7154	9.232	ng	88
69) Pentachlorophenol	11.19	266	14102	5.333	ng	98

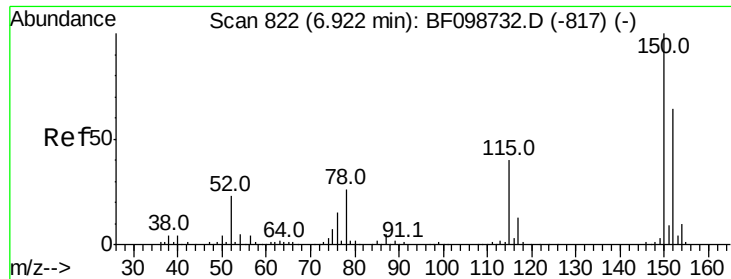
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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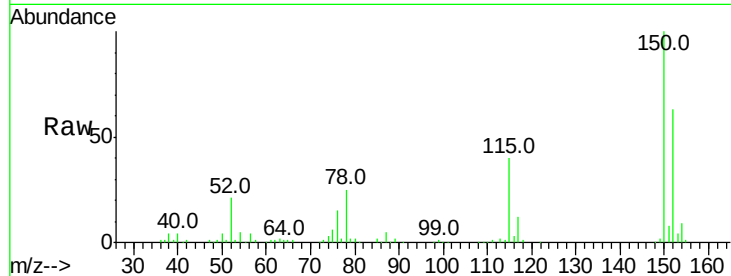


#1

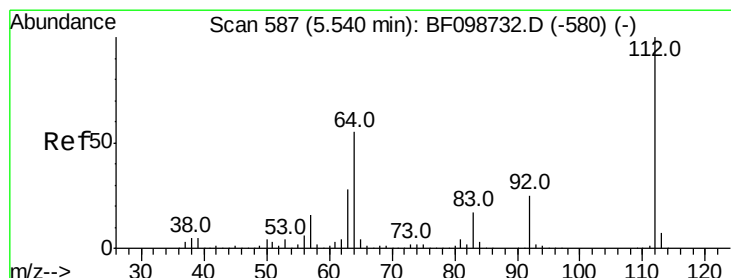
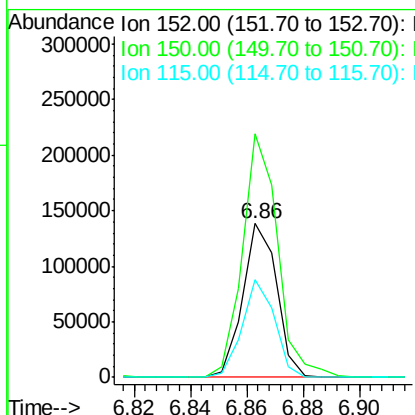
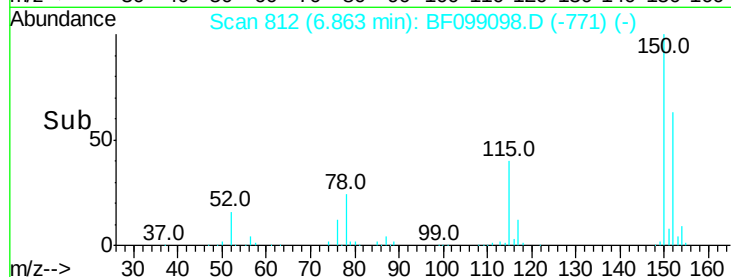
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.06 min
 Lab File: BF099098.D
 Acq: 5 Oct 2017 12:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion:152 Resp: 115275
 Ion Ratio Lower Upper
 152 100
 150 158.2 124.6 186.8
 115 63.2 50.1 75.1



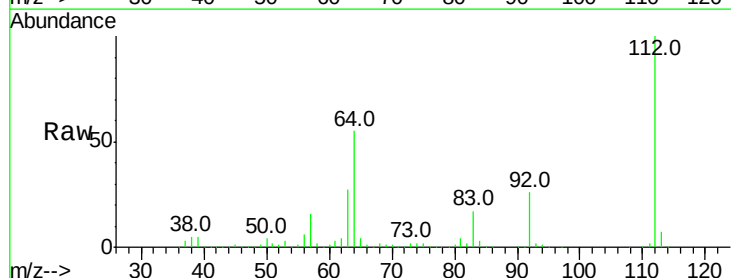
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



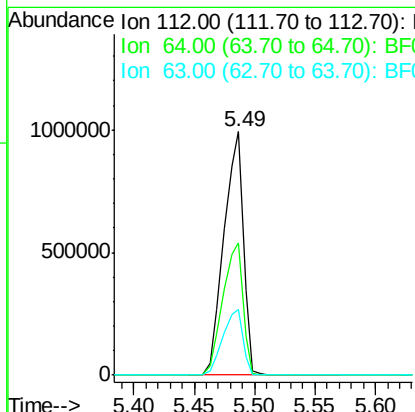
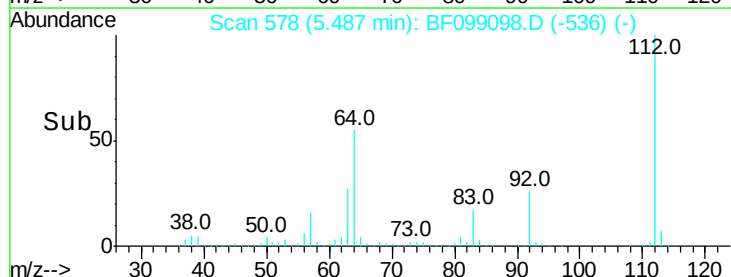
#5

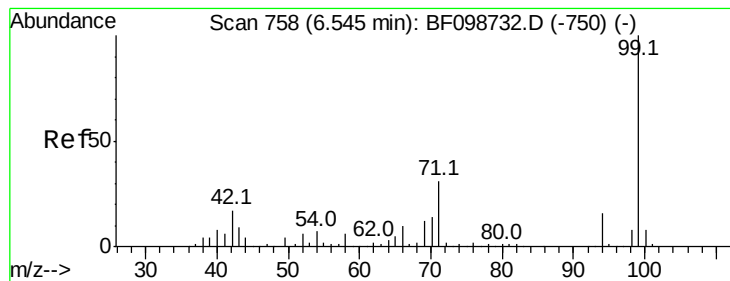
2-Fluorophenol
 Concen: 153.347 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.05 min
 Lab File: BF099098.D
 Acq: 5 Oct 2017 12:01

Tgt Ion:112 Resp: 1110439
 Ion Ratio Lower Upper
 112 100
 64 54.5 47.9 71.9
 63 27.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 153.607 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF099098.D

Acq: 5 Oct 2017 12:01

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT4-2017

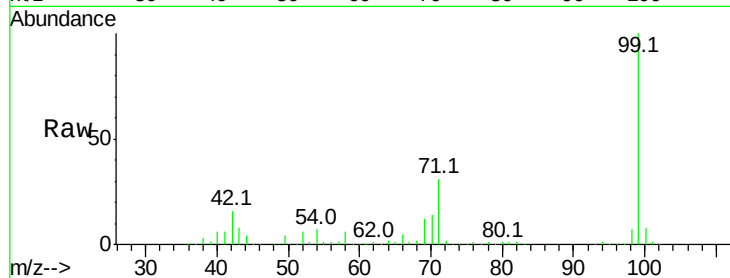
Tot Ion: 99 Resp: 1372175

Ion Ratio Lower Upper

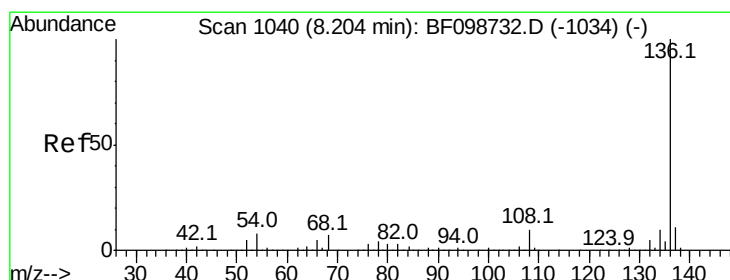
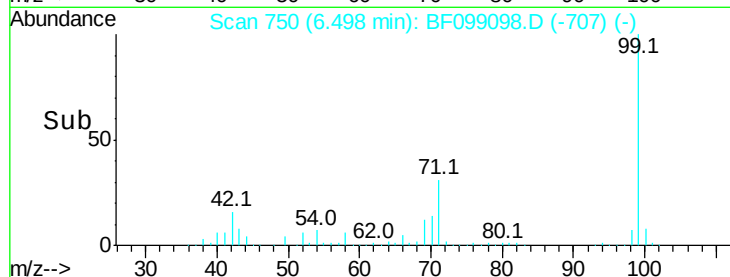
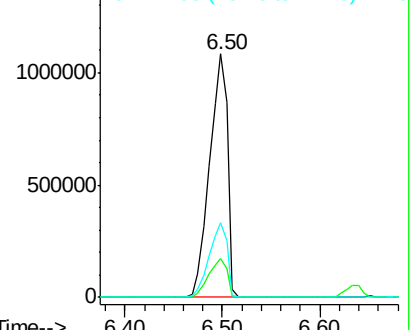
99 100

42 16.2 14.5 21.7

71 30.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.06 min

Lab File: BF099098.D

Acq: 5 Oct 2017 12:01

Tgt Ion: 136 Resp: 487902

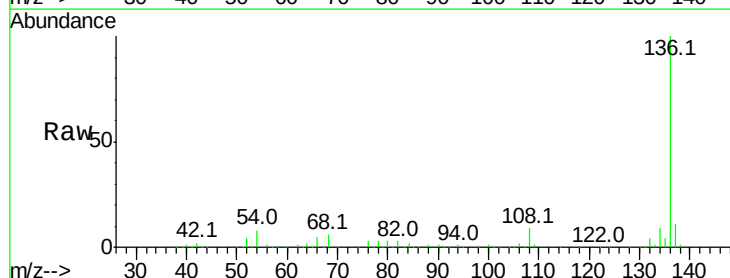
Ion Ratio Lower Upper

136 100

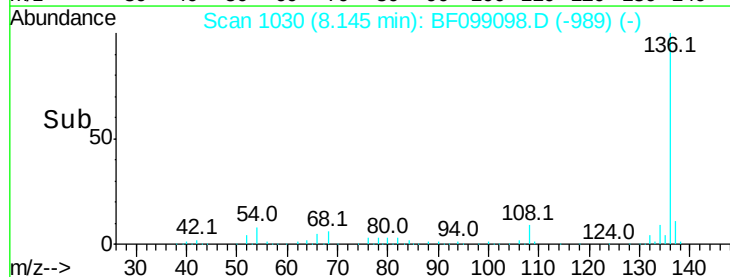
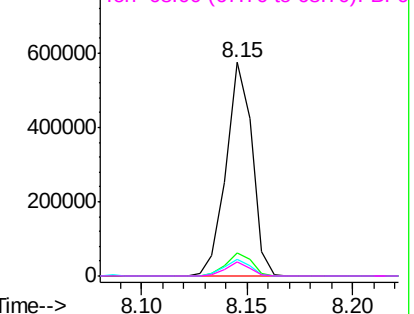
137 10.8 8.9 13.3

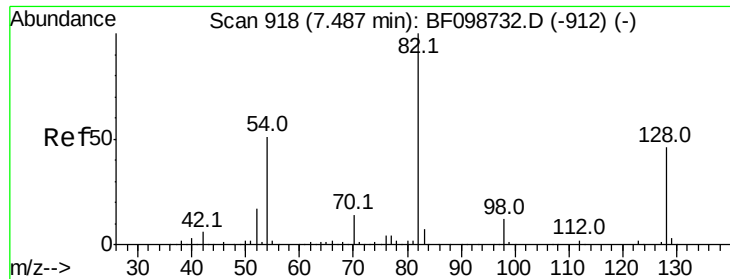
54 8.0 6.6 9.8

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): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 88.949 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.06 min

Lab File: BF099098.D

Acq: 5 Oct 2017 12:01

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT4-2017

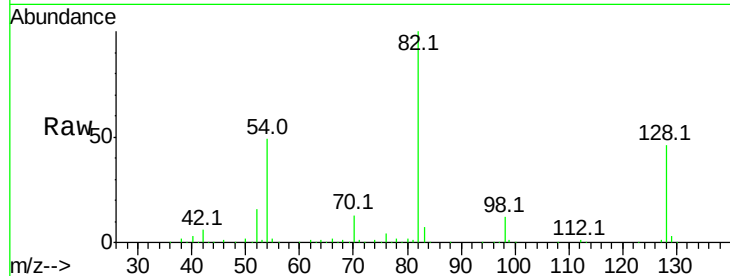
Tot Ion: 82 Resp: 676726

Ion Ratio Lower Upper

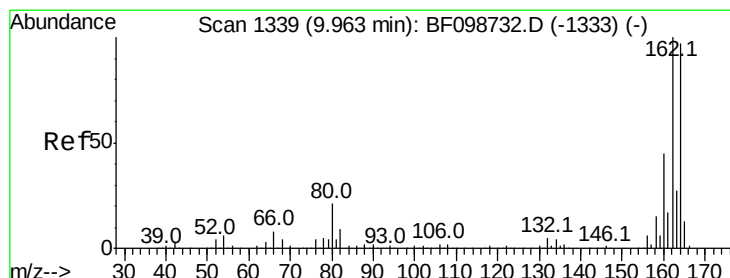
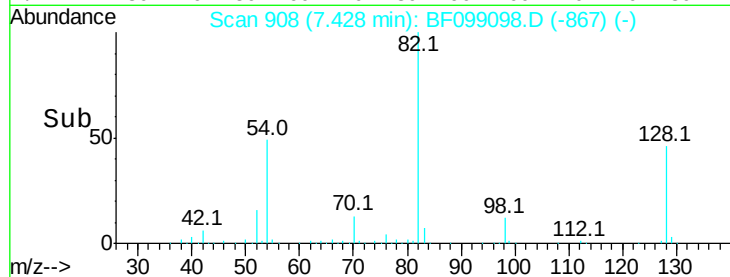
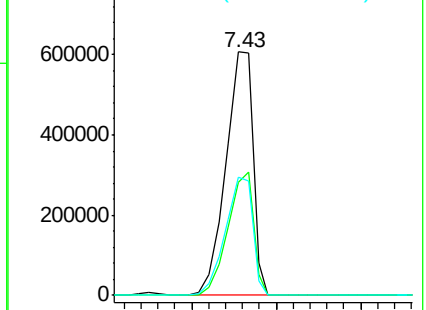
82 100

128 46.4 36.1 54.1

54 48.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.06 min

Lab File: BF099098.D

Acq: 5 Oct 2017 12:01

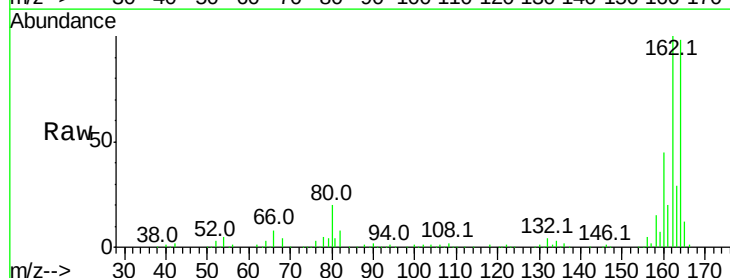
Tgt Ion:164 Resp: 227767

Ion Ratio Lower Upper

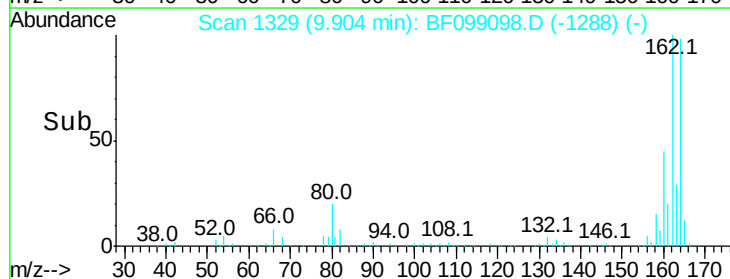
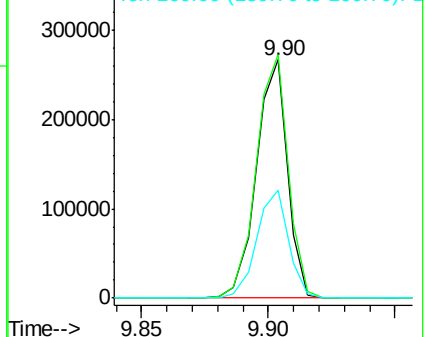
164 100

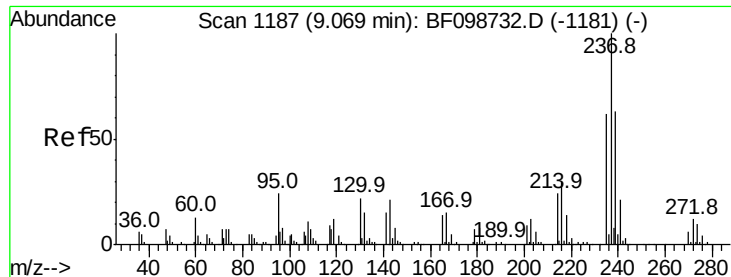
162 102.3 86.1 129.1

160 45.5 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B





#40

Hexachlorocyclopentadiene

Concen: 2.041 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.06 min

Lab File: BF099098.D

Acq: 5 Oct 2017 12:01

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT4-2017

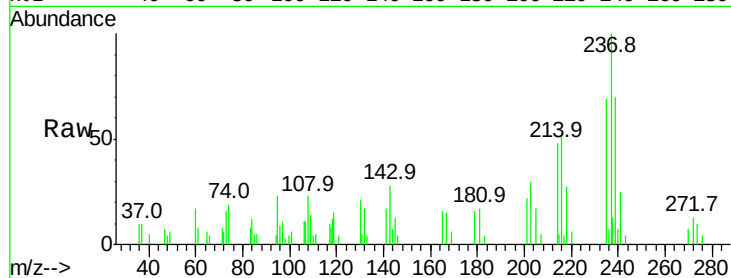
Tot Ion:237 Resp: 6335

Ion Ratio Lower Upper

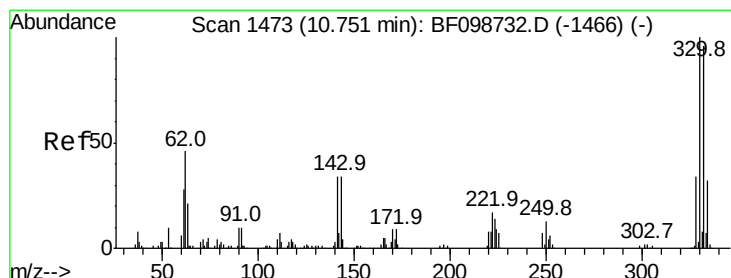
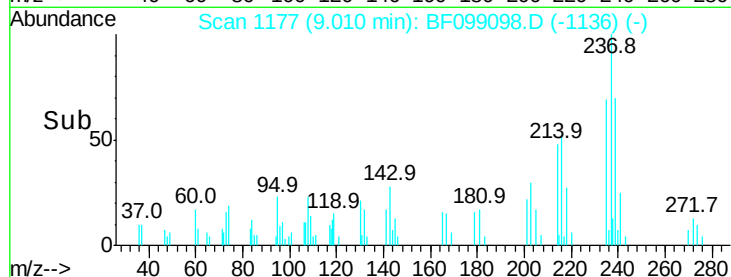
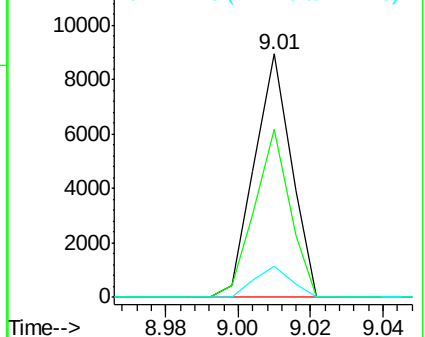
237 100

235 68.9 44.8 84.8

272 12.6 0.0 33.3



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 155.351 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BF099098.D

Acq: 5 Oct 2017 12:01

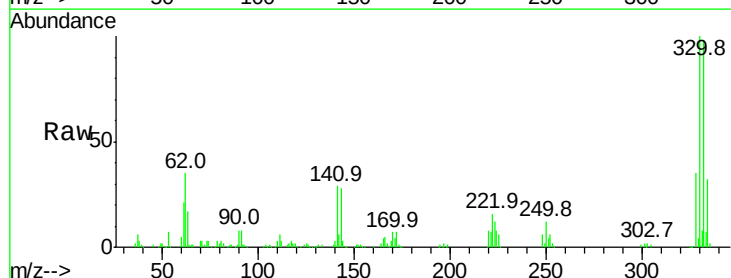
Tgt Ion:330 Resp: 289536

Ion Ratio Lower Upper

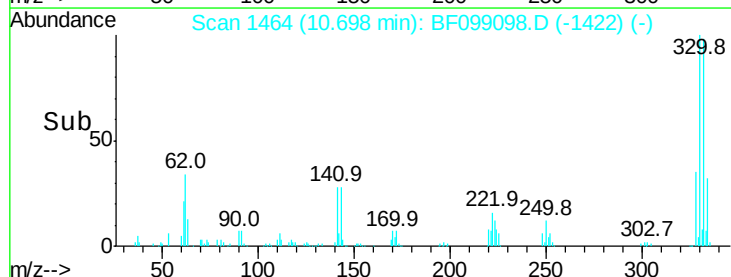
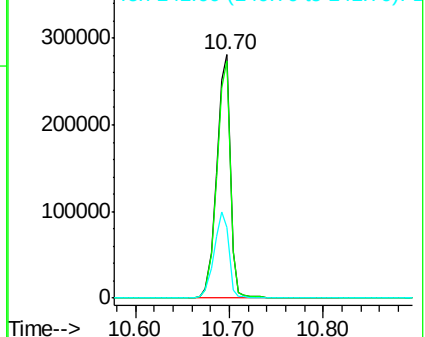
330 100

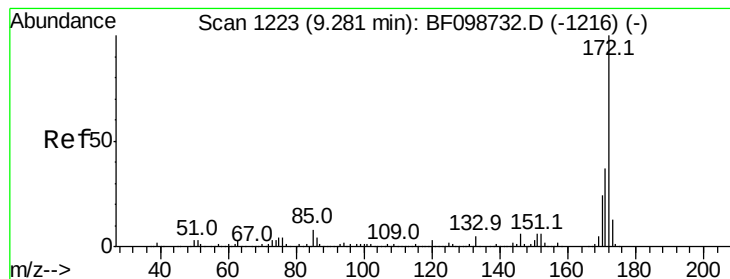
332 96.5 77.0 115.6

141 38.4 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: 90.191 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.06 min

Lab File: BF099098.D

Acq: 5 Oct 2017 12:01

Instrument :

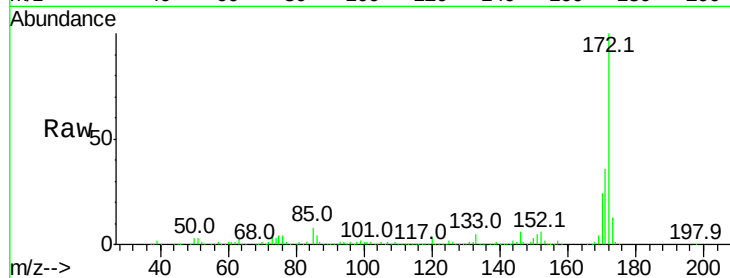
BNA_F

ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:172 Resp: 1230525

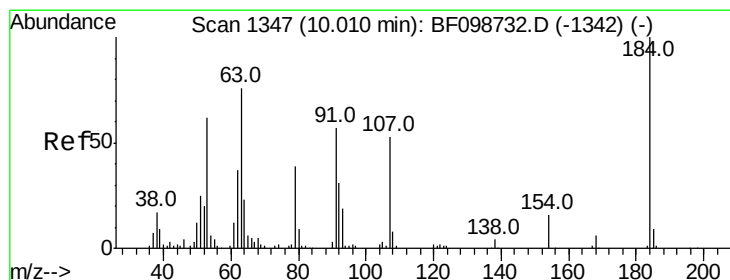
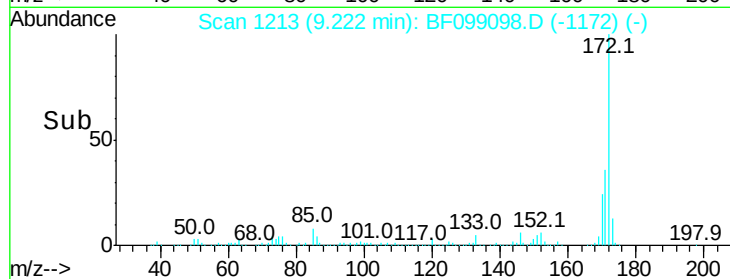
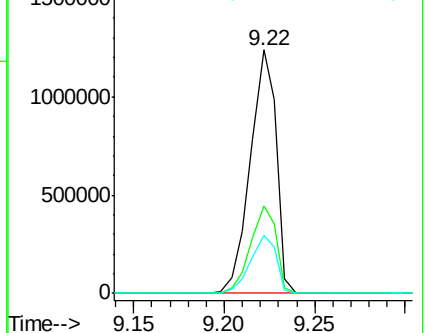
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.9	19.6	29.4



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



#53

2,4-Dinitrophenol

Concen: 9.232 ng

RT: 9.96 min Scan# 1339

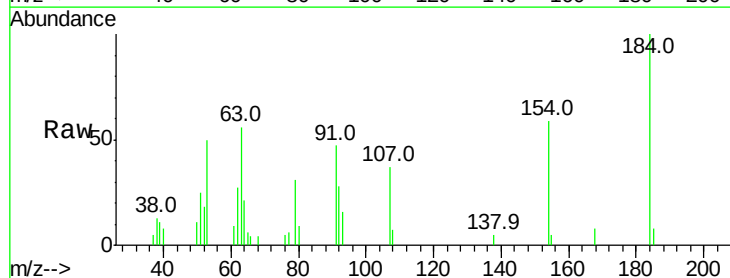
Delta R.T. -0.05 min

Lab File: BF099098.D

Acq: 5 Oct 2017 12:01

Tgt Ion:184 Resp: 7154

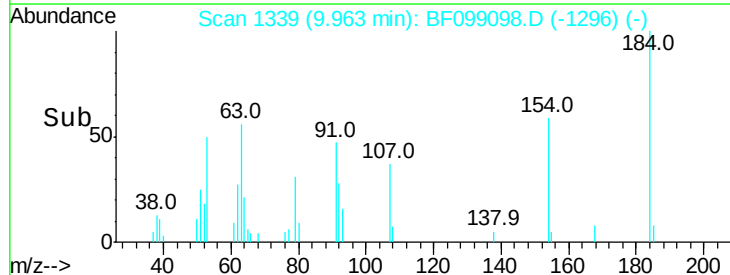
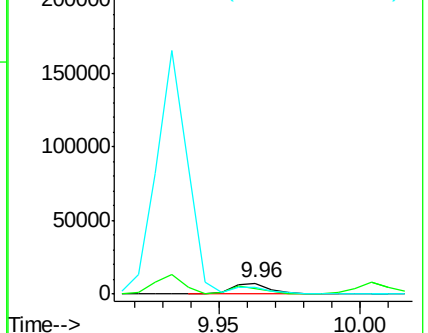
Ion	Ratio	Lower	Upper
184	100		
63	56.4	54.2	81.2
154	58.9	53.5	80.3

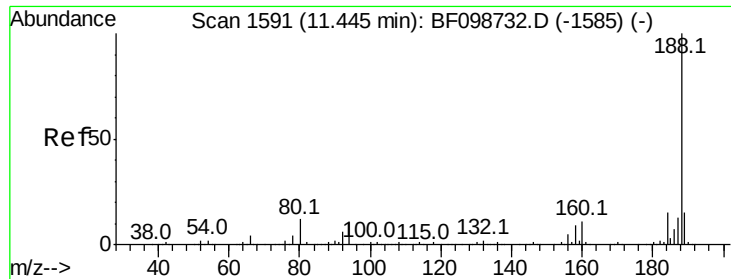


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

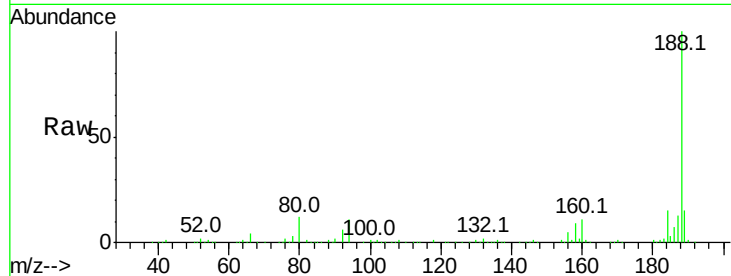




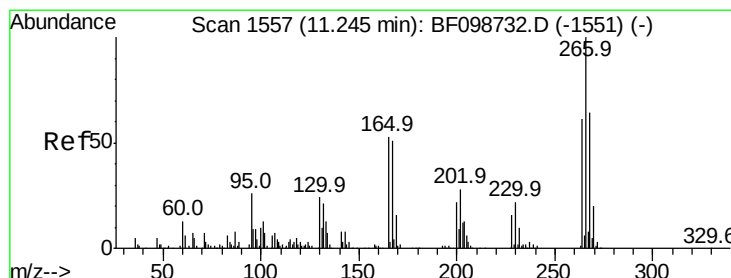
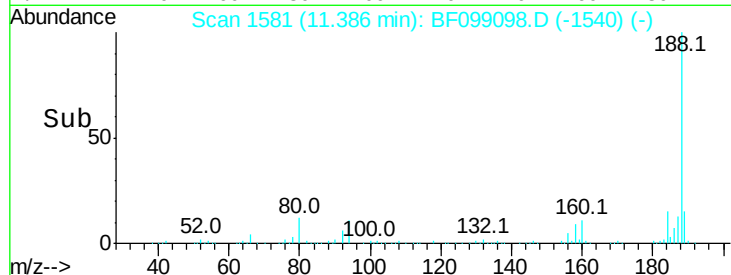
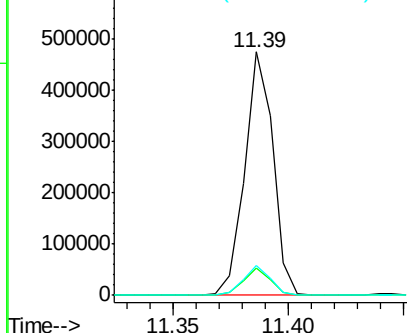
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.06 min
Lab File: BF099098.D
Acq: 5 Oct 2017 12:01

Instrument :
BNA_F
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LOD-SOIL-01-QT4-2017

Tot Ion:188 Resp: 406424
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.2 9.2 13.8

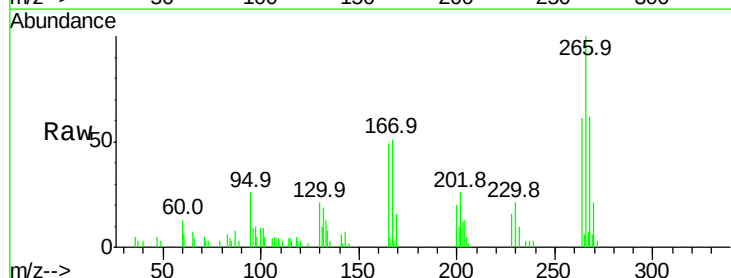


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

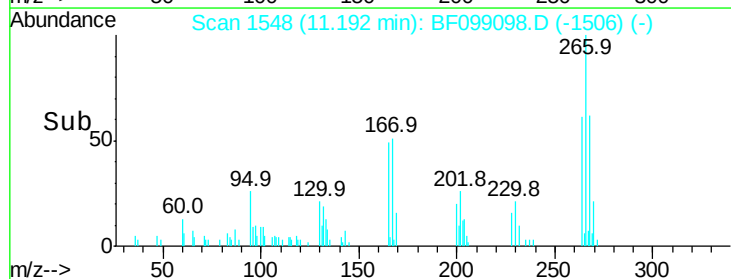
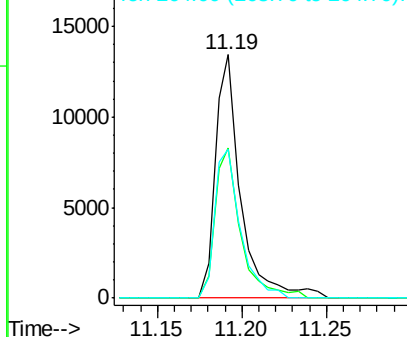


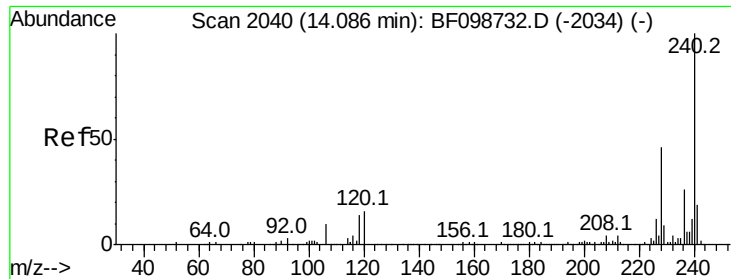
#69
Pentachlorophenol
Concen: 5.333 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.05 min
Lab File: BF099098.D
Acq: 5 Oct 2017 12:01

Tgt Ion:266 Resp: 14102
Ion Ratio Lower Upper
266 100
268 61.7 51.1 76.7
264 60.9 49.5 74.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.06 min

Lab File: BF099098.D

Acq: 5 Oct 2017 12:01

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT4-2017

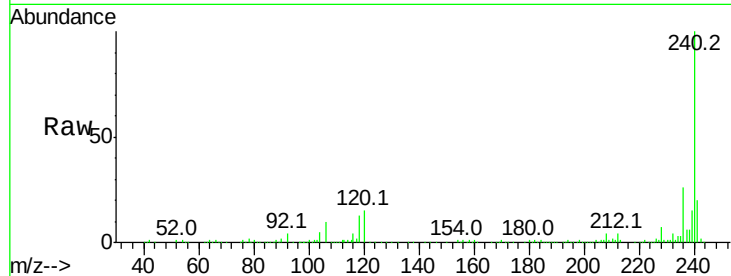
Tot Ion:240 Resp: 332252

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

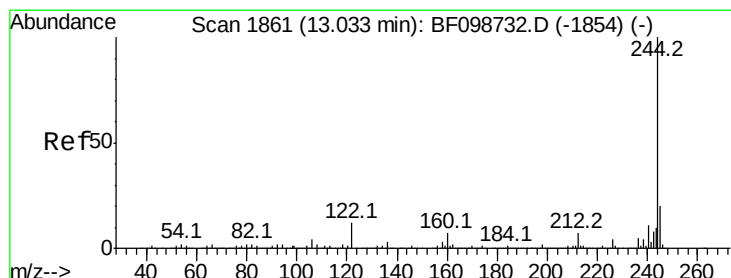
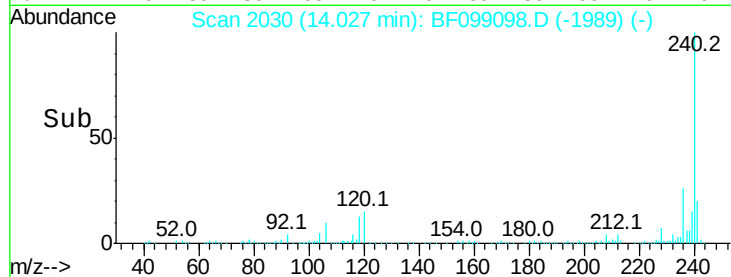
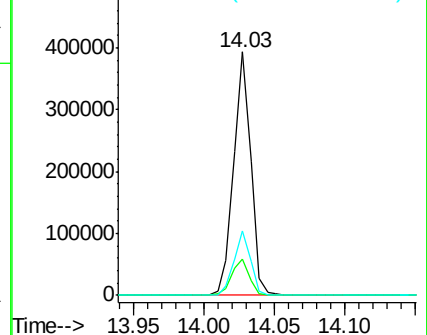
236 26.4 20.7 31.1



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: 73.952 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.06 min

Lab File: BF099098.D

Acq: 5 Oct 2017 12:01

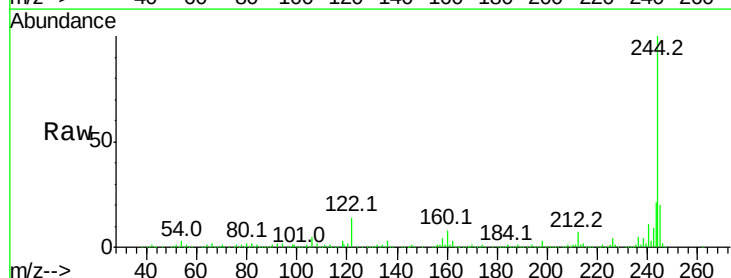
Tgt Ion:244 Resp: 1080408

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

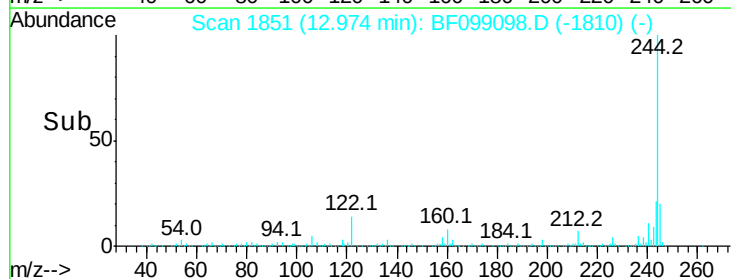
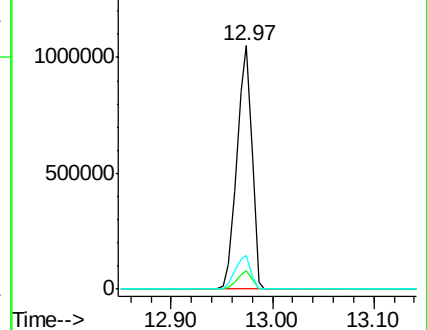
122 13.8 11.0 16.4

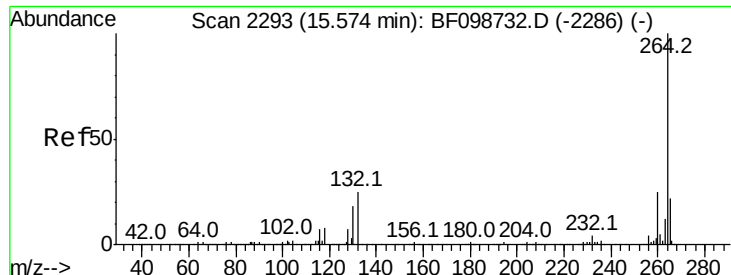


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

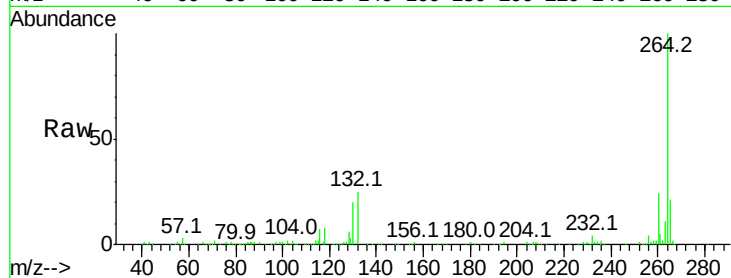




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.08 min
 Lab File: BF099098.D
 Acq: 5 Oct 2017 12:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.1	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

