

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096730.D
 Acq On : 13 Jul 2017 16:23
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 8PPM LOD
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Quant Time: Jul 14 16:50:17 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

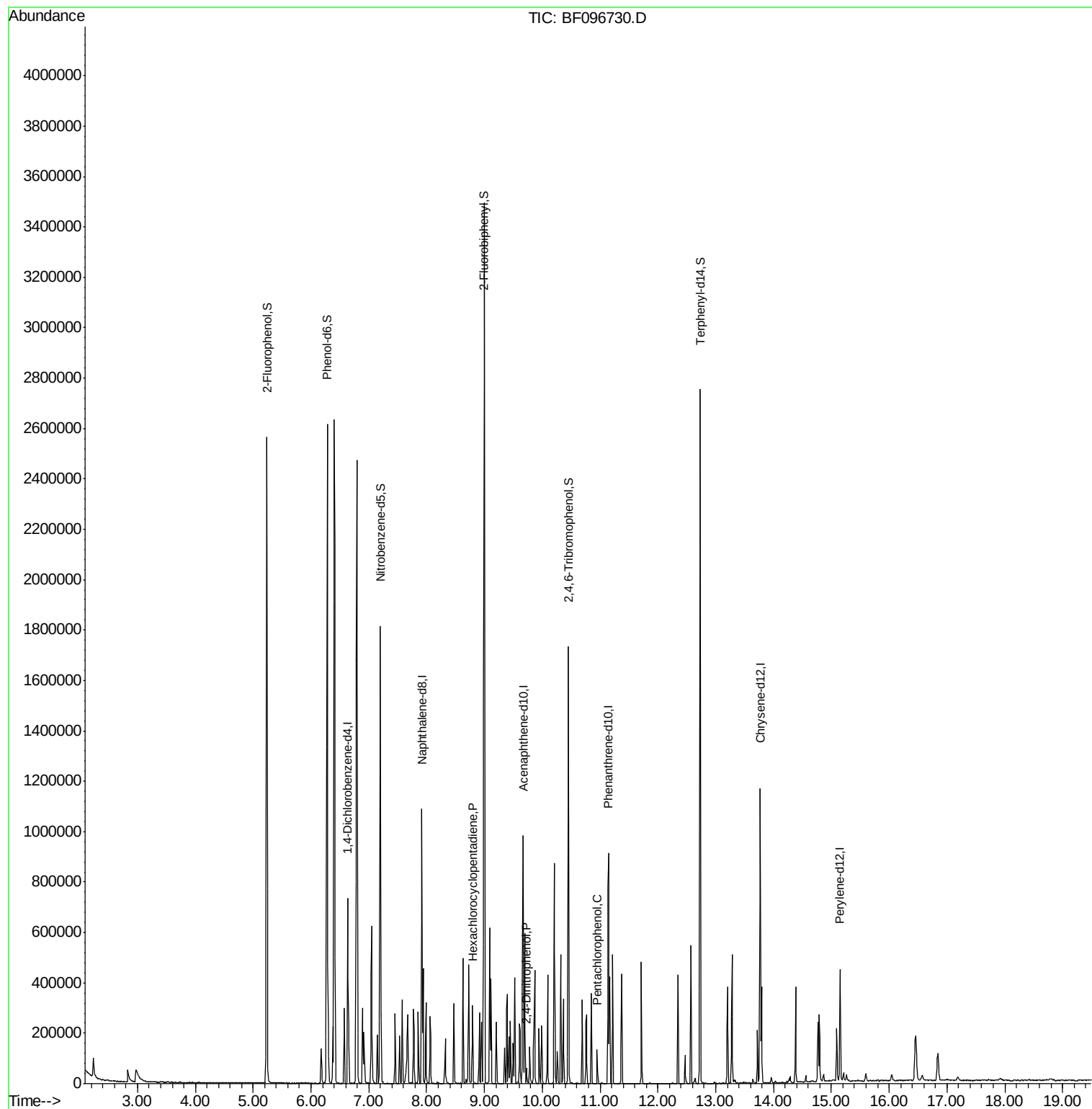
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	97412	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	463159	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	205903	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	326502	20.00	ng	0.00
75) Chrysene-d12	13.77	240	249962	20.00	ng	0.00
86) Perylene-d12	15.15	264	181194	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	796420	122.93	ng	0.00
7) Phenol-d6	6.28	99	955372	122.88	ng	0.00
23) Nitrobenzene-d5	7.20	82	638739	85.42	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	218235	124.17	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1188485	91.19	ng	0.00
78) Terphenyl-d14	12.73	244	969948	67.30	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	8.79	237	9441	9.212	ng	91
53) 2,4-Dinitrophenol	9.73	184	7179	10.695	ng	# 69
69) Pentachlorophenol	10.96	266	14503	8.086	ng	92

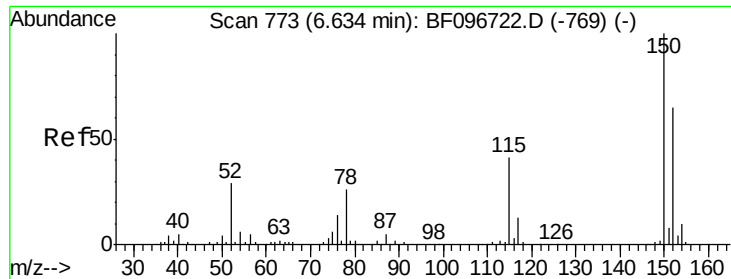
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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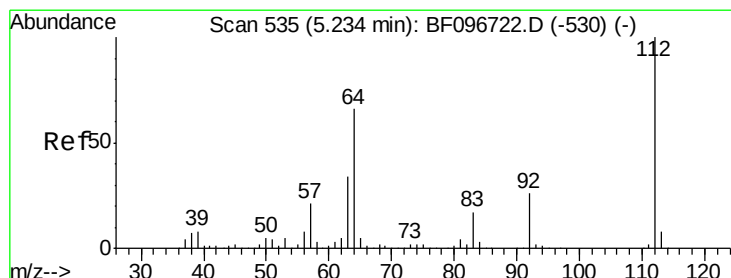
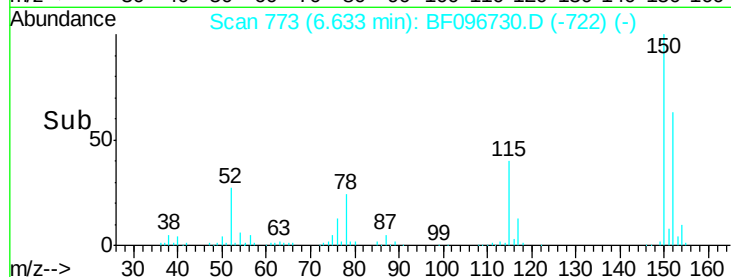
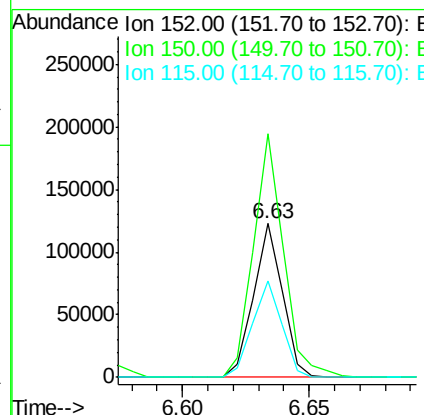
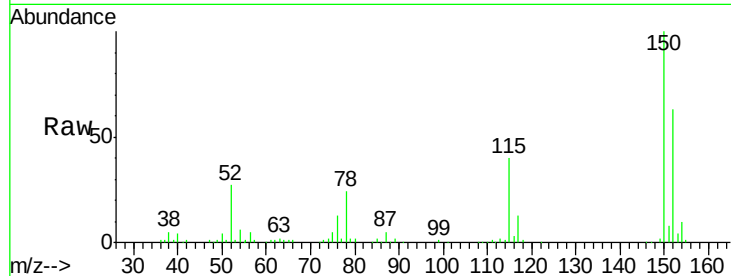




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.63 min Scan# 773
 Delta R.T. -0.00 min
 Lab File: BF096730.D
 Acq: 13 Jul 2017 16:23

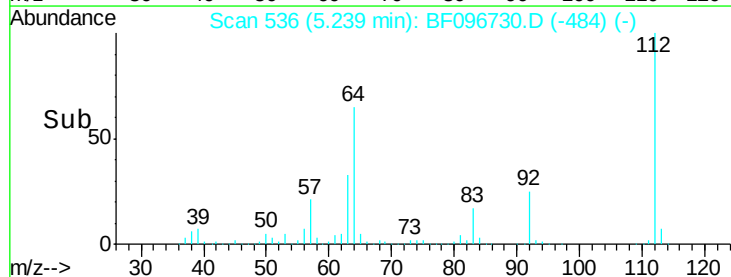
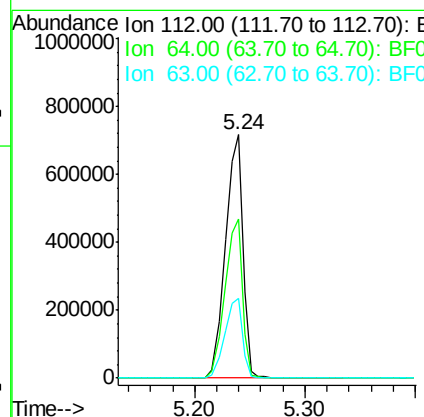
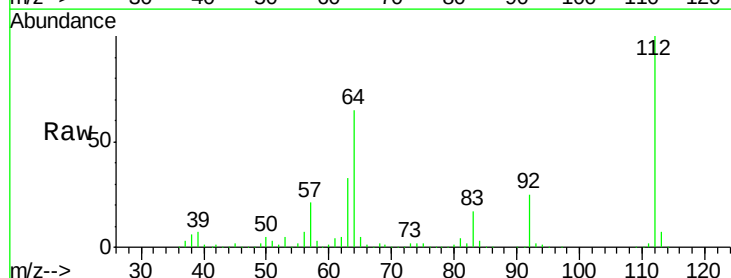
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

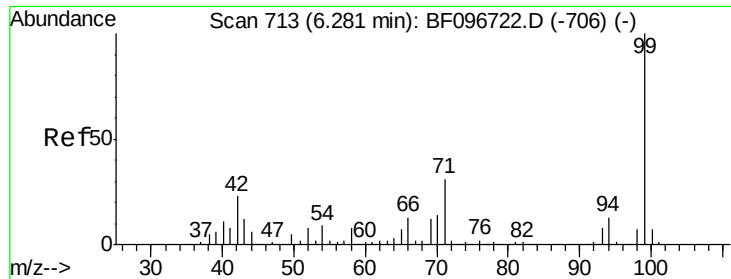
Tgt Ion:152 Resp: 97412
 Ion Ratio Lower Upper
 152 100
 150 158.1 126.2 189.2
 115 62.9 52.2 78.2



#5
 2-Fluorophenol
 Concen: 122.930 ng
 RT: 5.24 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: BF096730.D
 Acq: 13 Jul 2017 16:23

Tgt Ion:112 Resp: 796420
 Ion Ratio Lower Upper
 112 100
 64 65.1 46.0 69.0
 63 32.7 23.4 35.0





#7

Phenol-d6

Concen: 122.884 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

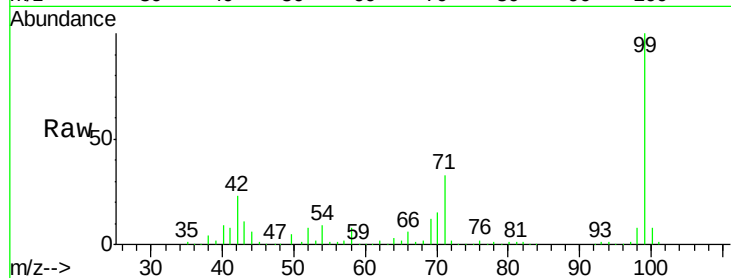
Tgt Ion: 99 Resp: 955372

Ion Ratio Lower Upper

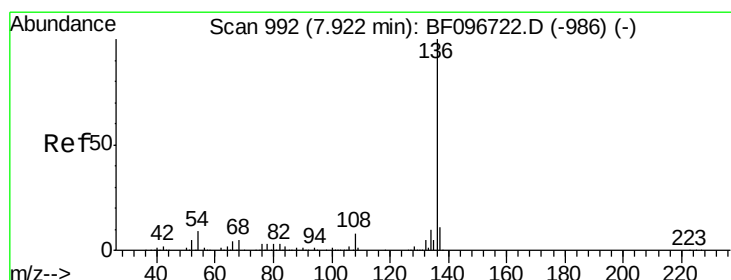
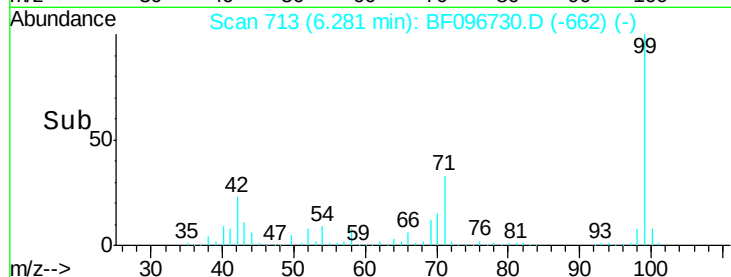
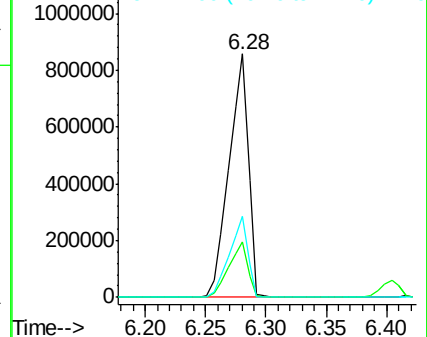
99 100

42 22.8 13.5 20.3#

71 33.2 24.5 36.7



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: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Tgt Ion: 136 Resp: 463159

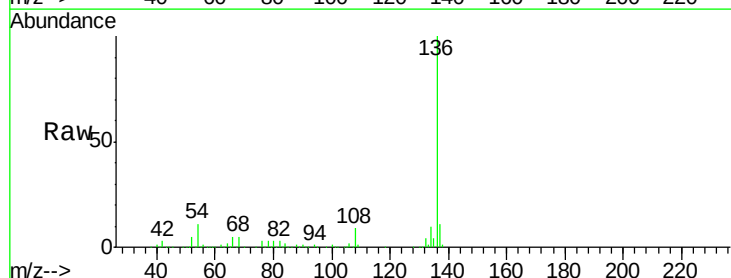
Ion Ratio Lower Upper

136 100

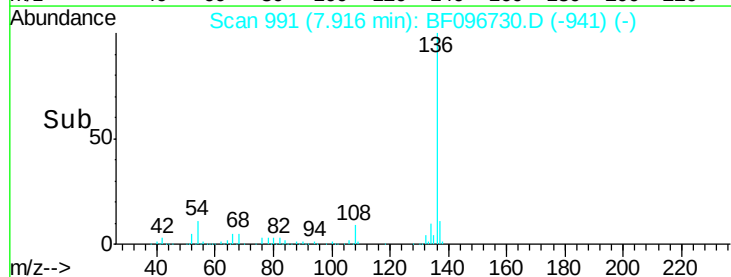
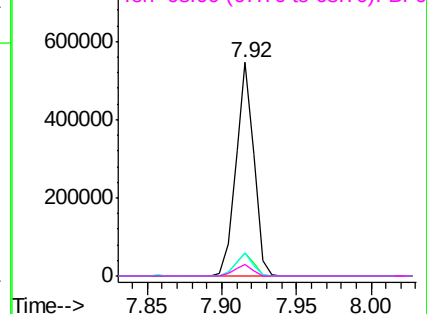
137 11.0 8.5 12.7

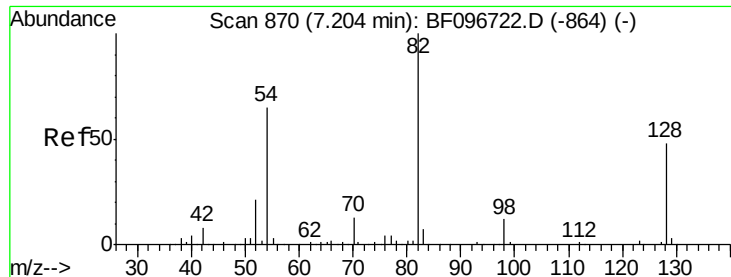
54 10.5 4.9 7.3#

68 5.2 4.1 6.1



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

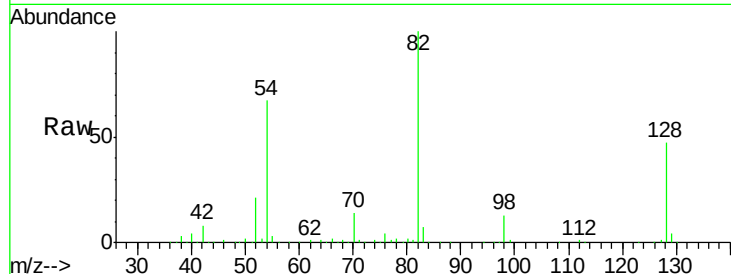




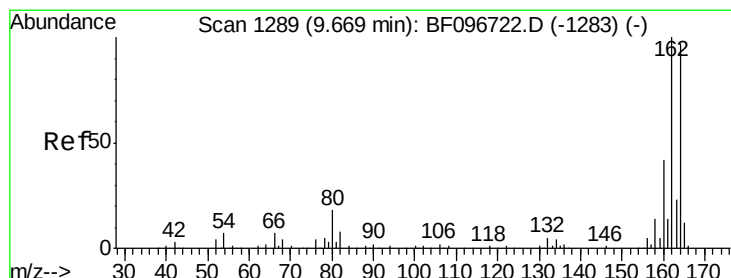
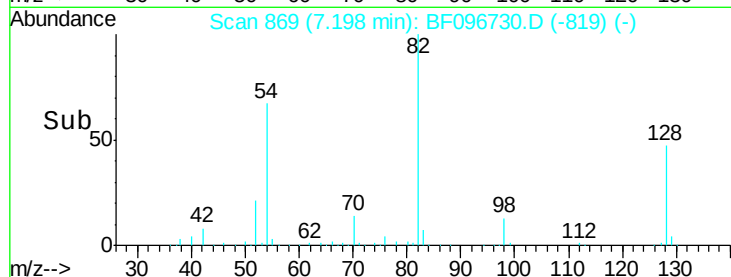
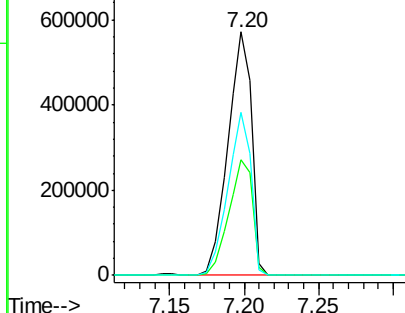
#23
Nitrobenzene-d5
Concen: 85.422 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF096730.D
Acq: 13 Jul 2017 16:23

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion: 82 Resp: 638739
Ion Ratio Lower Upper
82 100
128 47.2 34.0 51.0
54 67.1 42.2 63.2#

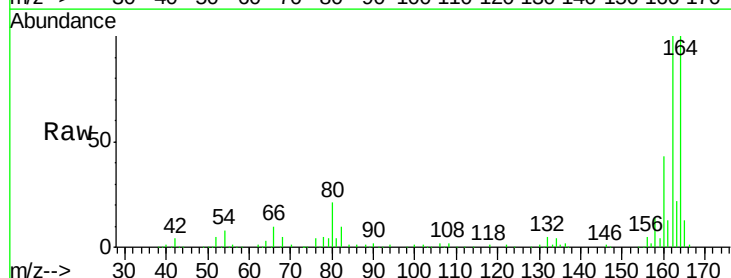


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

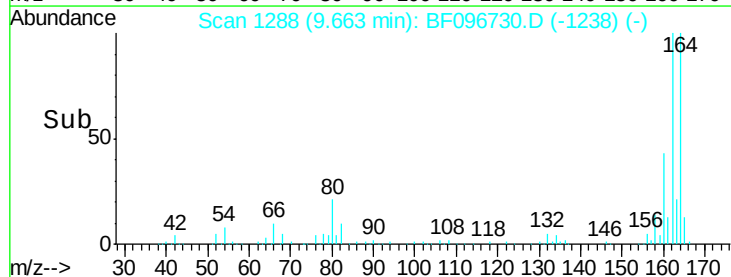
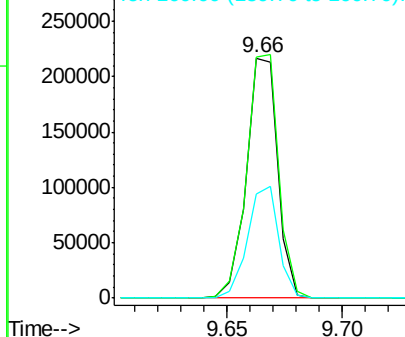


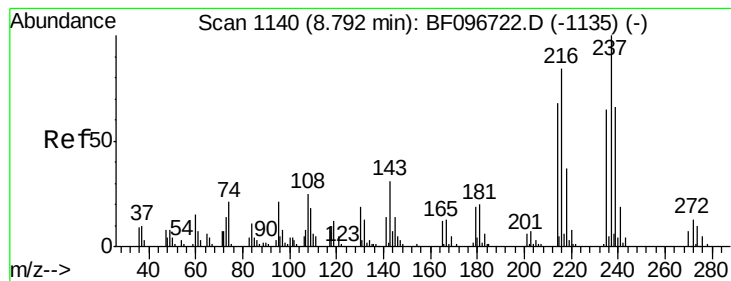
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF096730.D
Acq: 13 Jul 2017 16:23

Tgt Ion: 164 Resp: 205903
Ion Ratio Lower Upper
164 100
162 100.2 82.6 123.8
160 43.3 36.2 54.2



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





#40

Hexachlorocyclopentadiene

Concen: 9.212 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

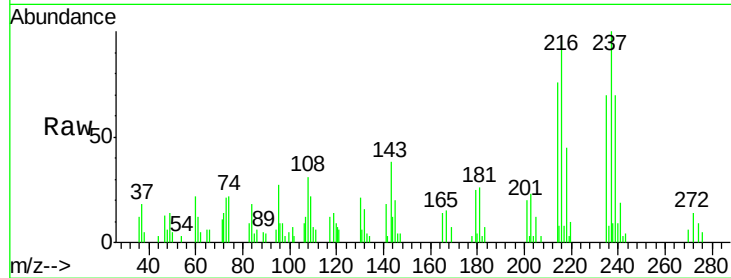
Tgt Ion:237 Resp: 9441

Ion Ratio Lower Upper

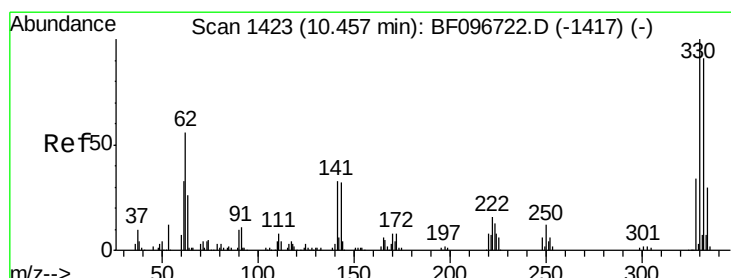
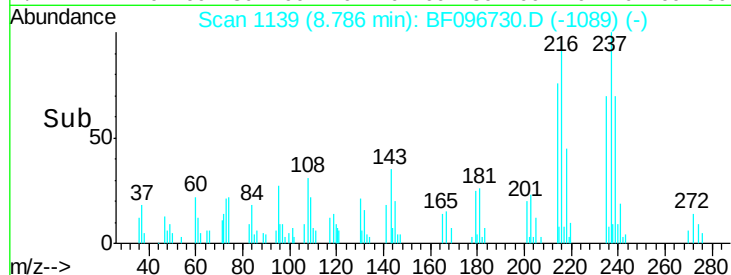
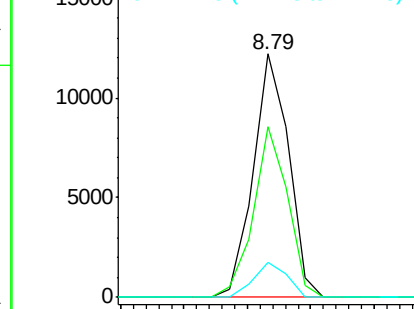
237 100

235 69.9 42.6 82.6

272 14.4 0.0 31.9



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: 124.169 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

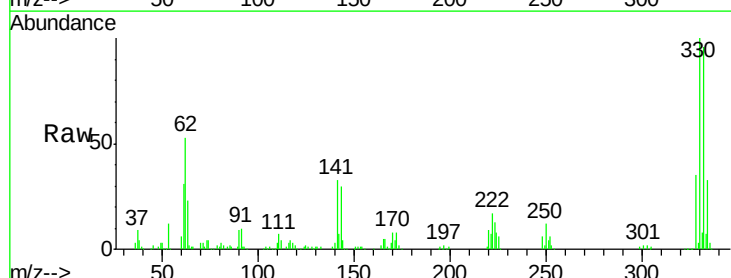
Tgt Ion:330 Resp: 218235

Ion Ratio Lower Upper

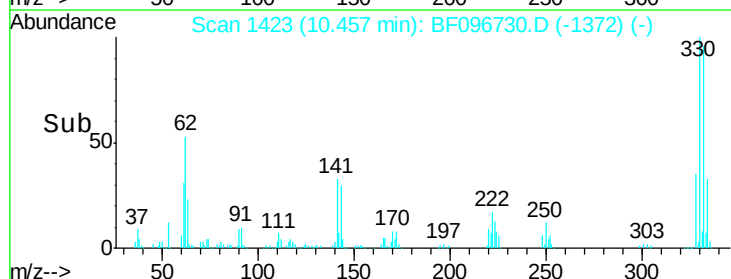
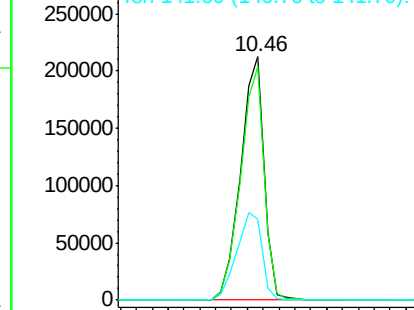
330 100

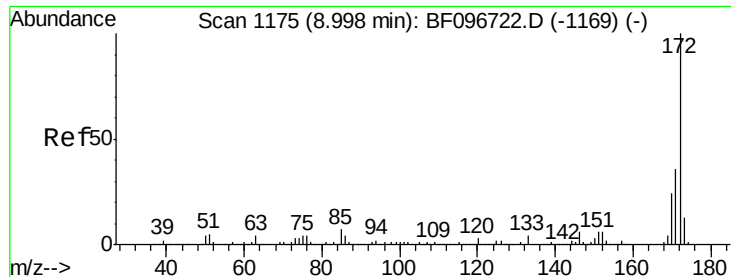
332 96.1 76.6 115.0

141 38.7 31.4 47.2



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

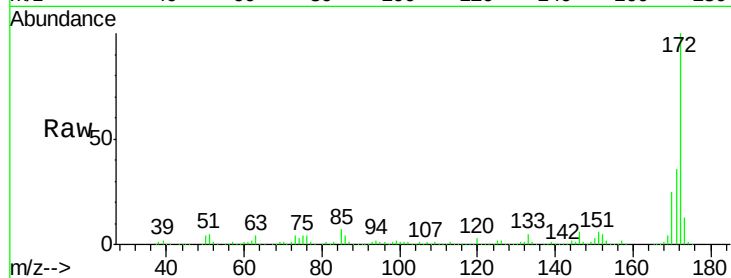




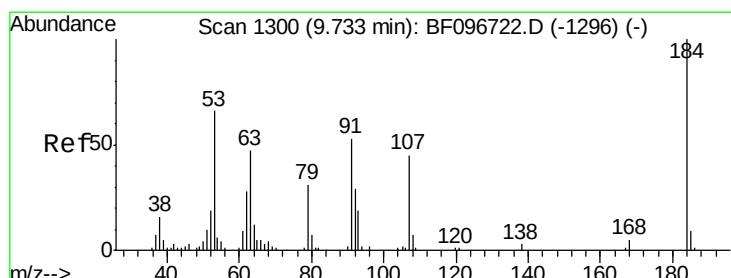
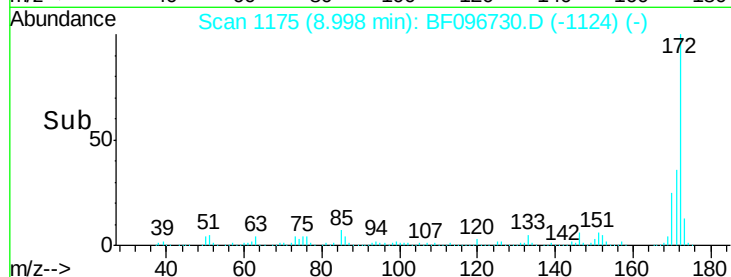
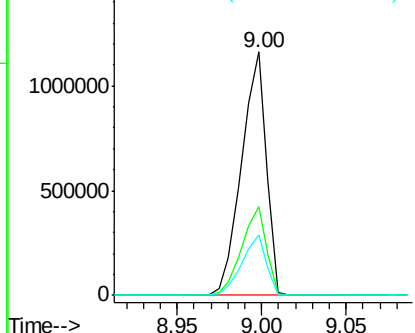
#44
 2-Fluorobiphenyl
 Concen: 91.194 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF096730.D
 Acq: 13 Jul 2017 16:23

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion:172 Resp: 1188485
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.8 19.8 29.8

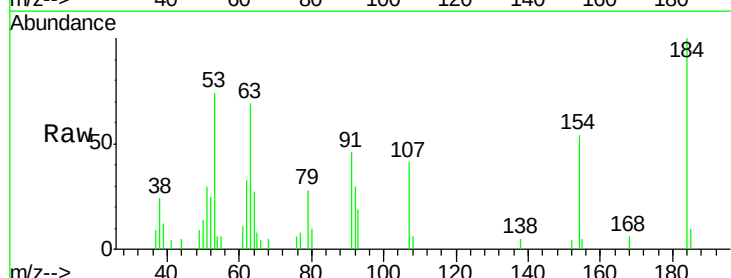


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

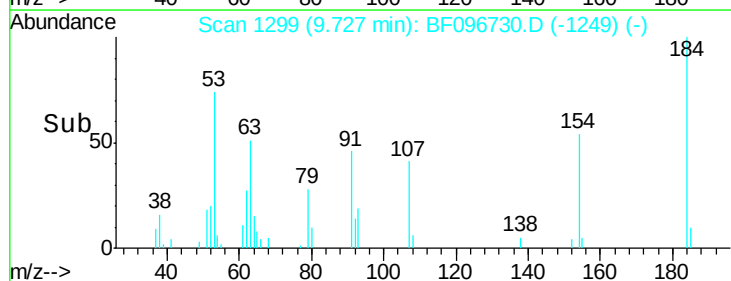
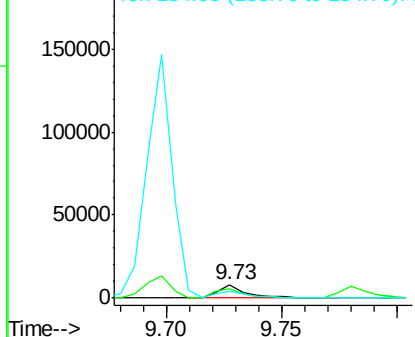


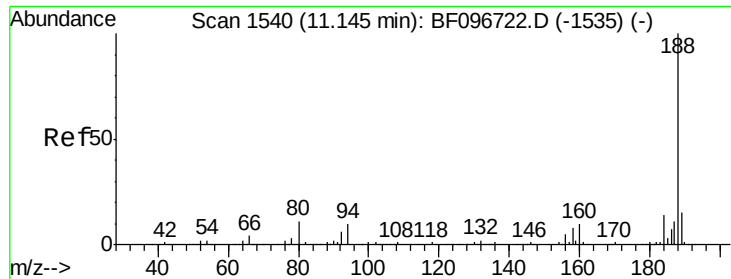
#53
 2,4-Dinitrophenol
 Concen: 10.695 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF096730.D
 Acq: 13 Jul 2017 16:23

Tgt Ion:184 Resp: 7179
 Ion Ratio Lower Upper
 184 100
 63 68.8 62.7 94.1
 154 54.4 81.1 121.7#



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

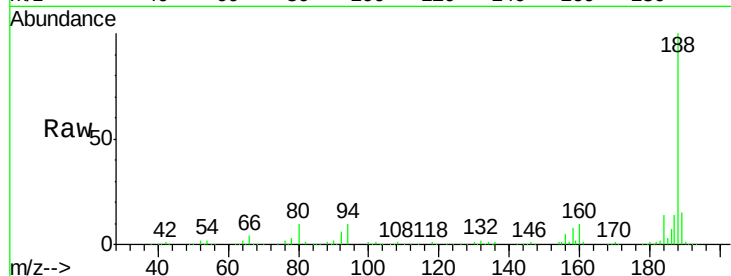




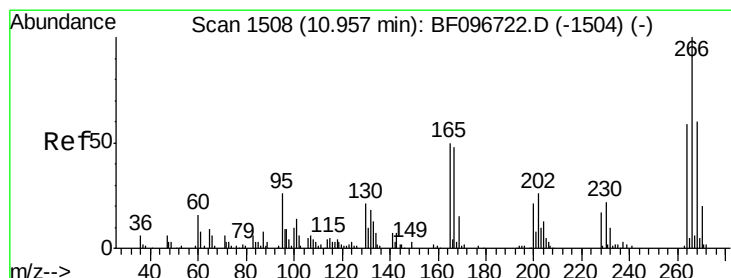
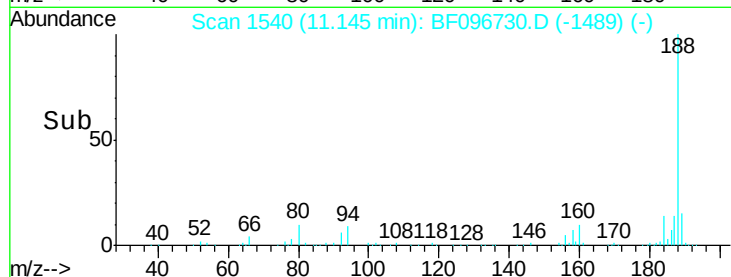
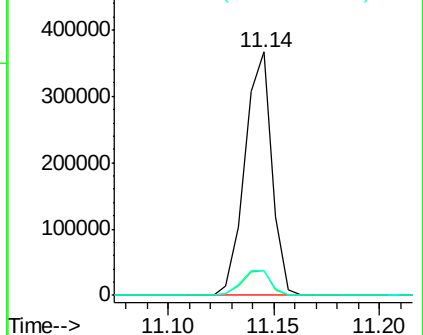
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.14 min Scan# 1540
Delta R.T. -0.00 min
Lab File: BF096730.D
Acq: 13 Jul 2017 16:23

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion:188 Resp: 326502
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 10.0 10.2 15.2#

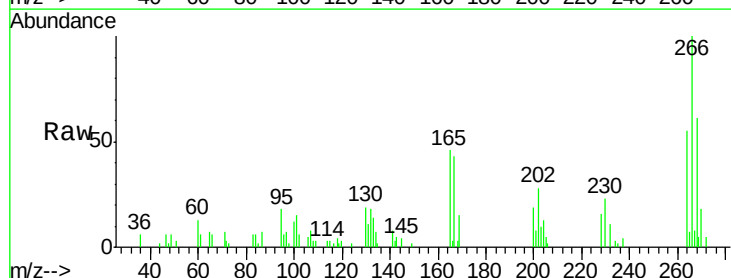


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

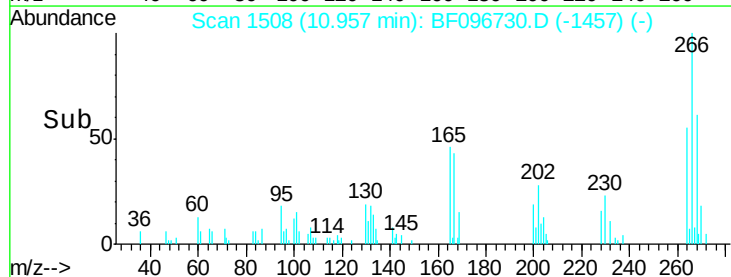
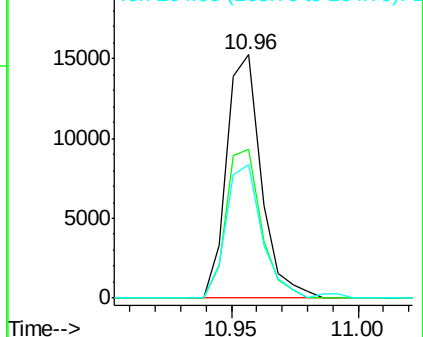


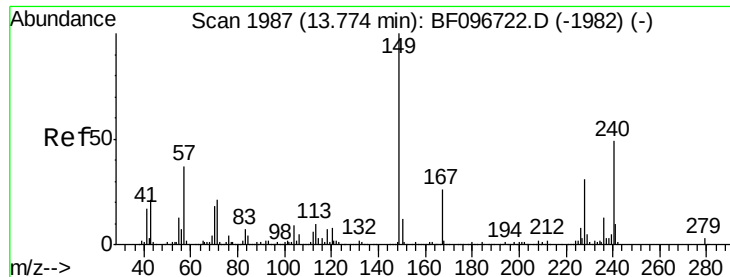
#69
Pentachlorophenol
Concen: 8.086 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BF096730.D
Acq: 13 Jul 2017 16:23

Tgt Ion:266 Resp: 14503
Ion Ratio Lower Upper
266 100
268 61.0 51.1 76.7
264 54.9 51.7 77.5



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: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

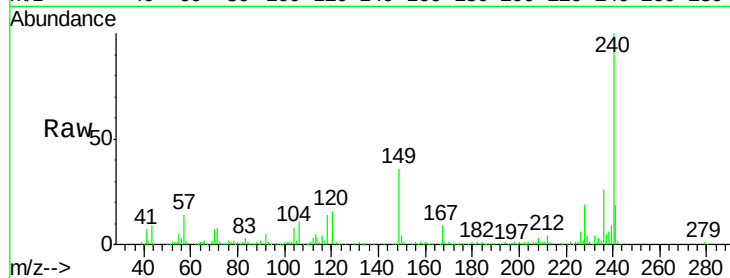
Tgt Ion:240 Resp: 249962

Ion Ratio Lower Upper

240 100

120 16.2 5.8 8.8#

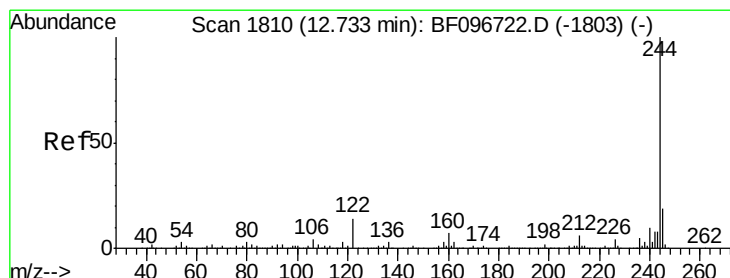
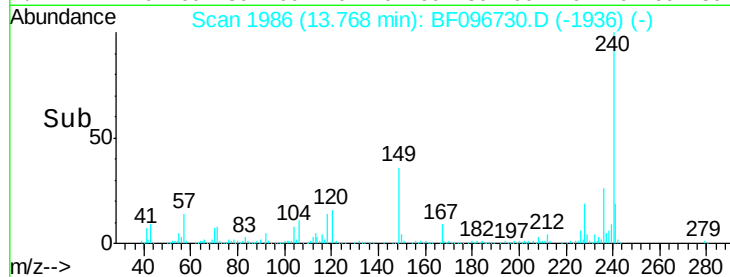
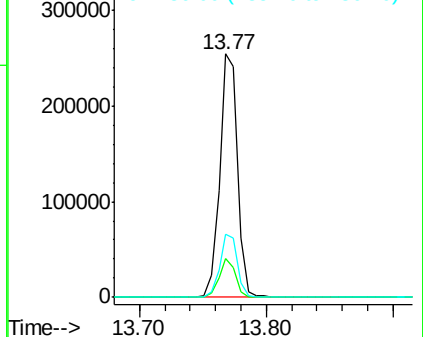
236 25.7 20.5 30.7



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: 67.296 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

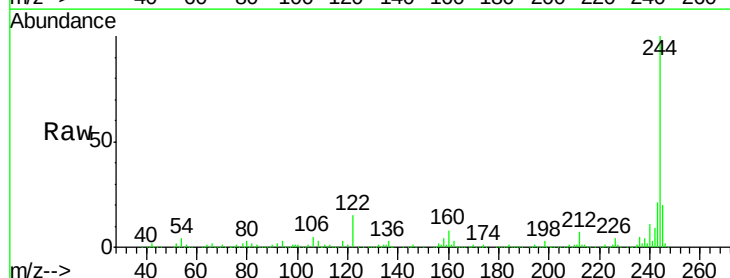
Tgt Ion:244 Resp: 969948

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

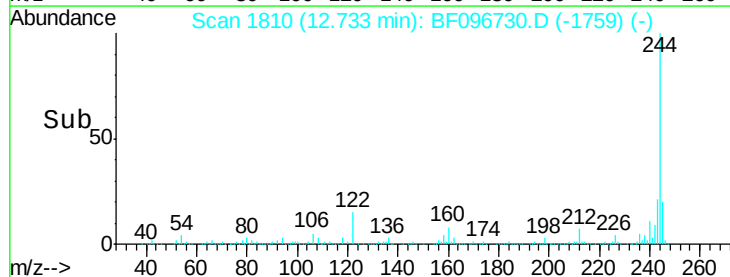
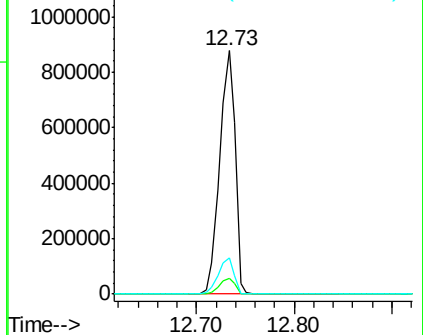
122 15.0 10.3 15.5

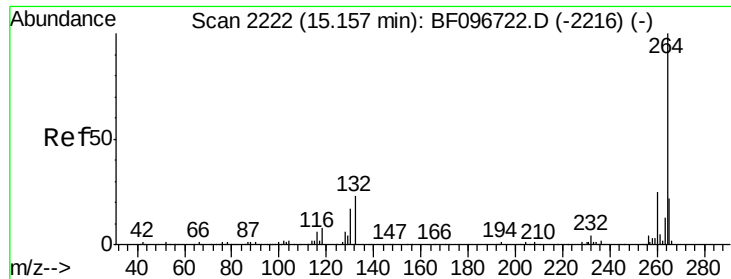


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

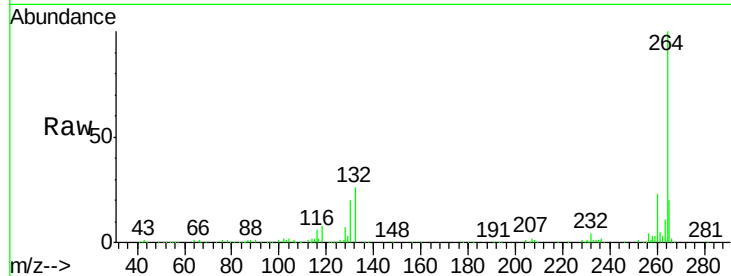




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF096730.D
Acq: 13 Jul 2017 16:23

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	20.3	17.2	25.8



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

