

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096729.D
 Acq On : 13 Jul 2017 15:54
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 5PPM LOD
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jul 14 01:42:54 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

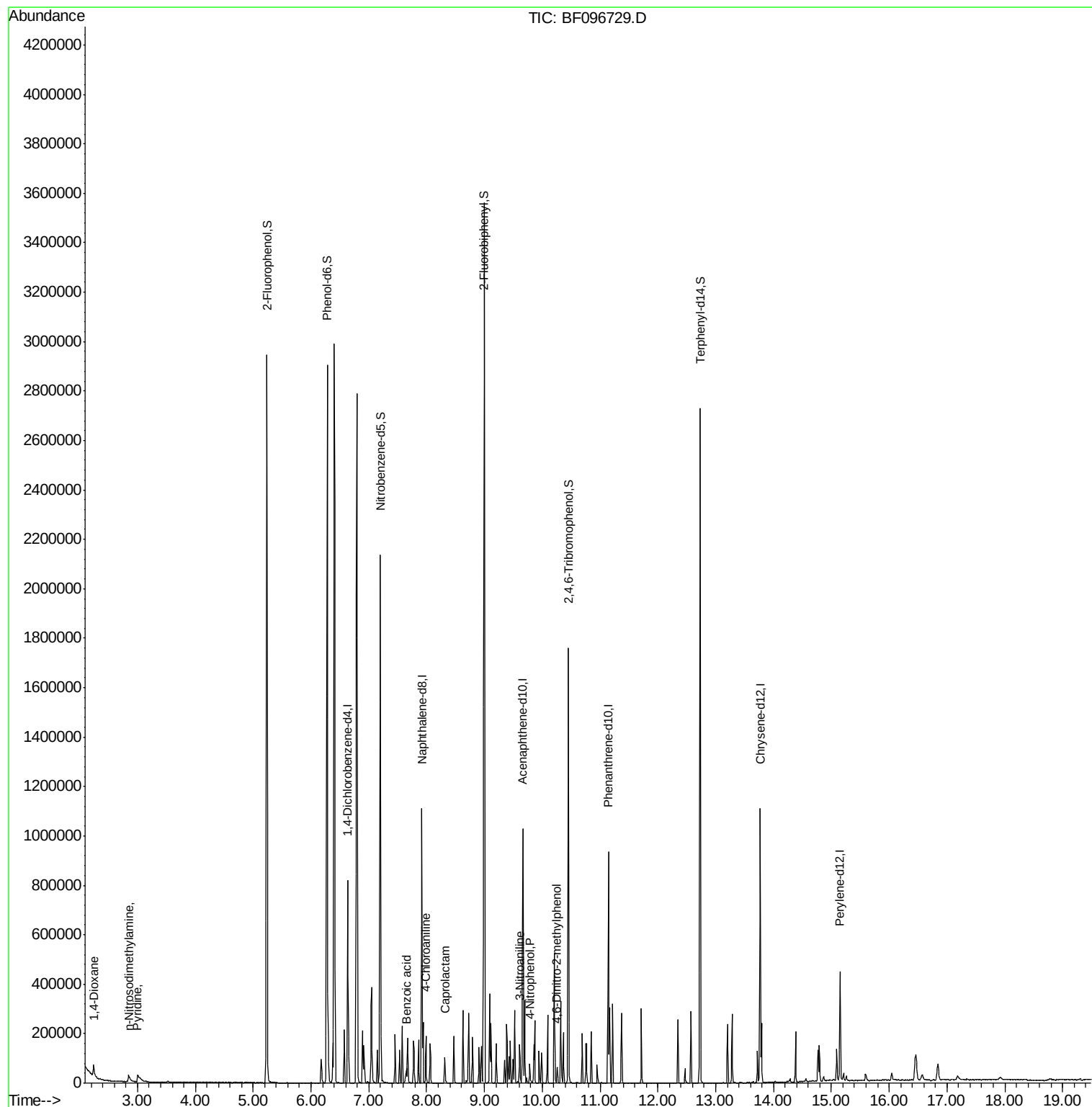
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	109006	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	465602	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	208837	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	351532	20.00	ng	0.00
75) Chrysene-d12	13.77	240	256548	20.00	ng	0.00
86) Perylene-d12	15.15	264	182817	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	880477	121.45	ng	0.00
7) Phenol-d6	6.28	99	1086714	124.91	ng	0.00
23) Nitrobenzene-d5	7.20	82	742231	98.74	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	218641	122.65	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1219479	92.26	ng	0.00
78) Terphenyl-d14	12.73	244	989257	66.87	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.24	88	17831	4.780	ng	# 76
3) Pyridine	3.00	79	31107	3.968	ng	# 56
4) n-Nitrosodimethylamine	2.85	42	21948	5.006	ng	# 88
32) Benzoic acid	7.65	122	19692	4.332	ng	86
33) 4-Chloroaniline	7.99	127	46163	5.283	ng	96
35) Caprolactam	8.32	113	9623	4.665	ng	# 56
52) 3-Nitroaniline	9.61	138	20155	4.995	ng	95
55) 4-Nitrophenol	9.78	139	13460	4.566	ng	# 65
64) 4,6-Dinitro-2-methylphenol	10.26	198	7419	3.361	ng	90

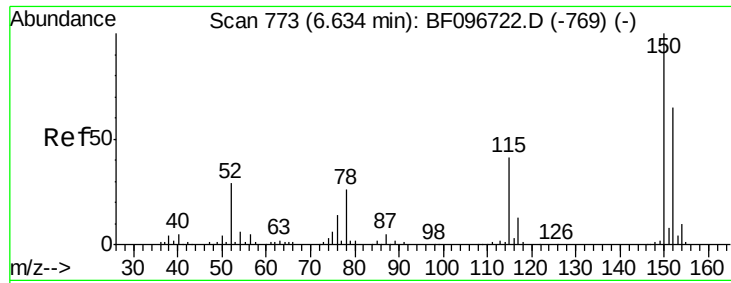
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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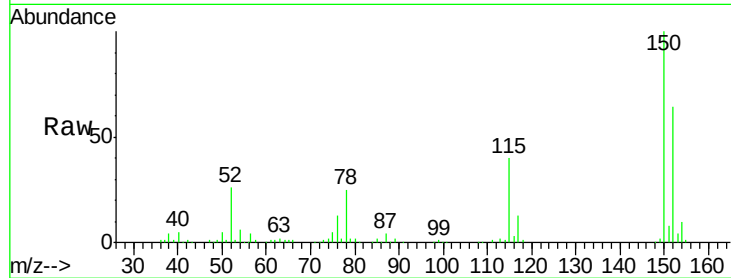


#1

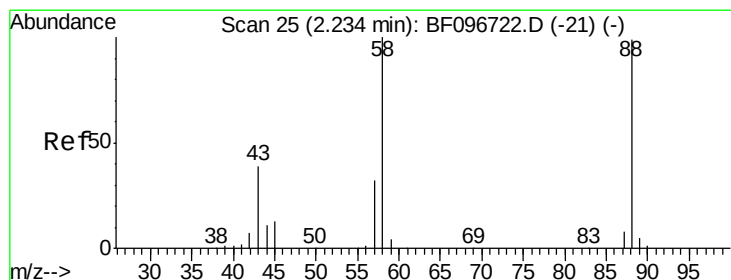
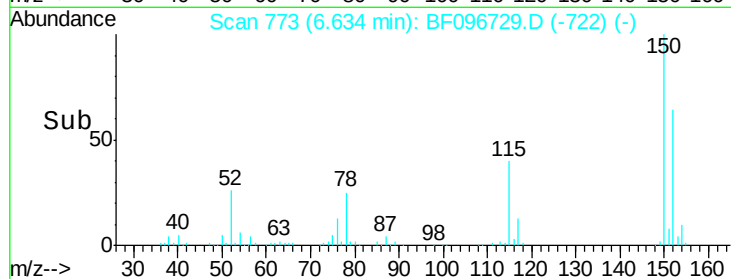
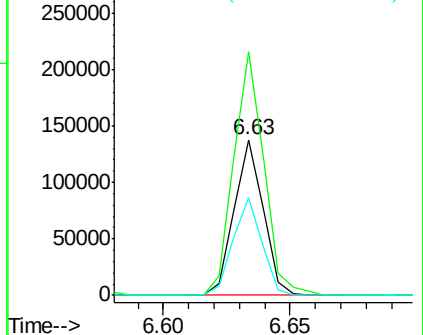
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

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

Tgt Ion:152 Resp: 109006
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 62.5 52.2 78.2



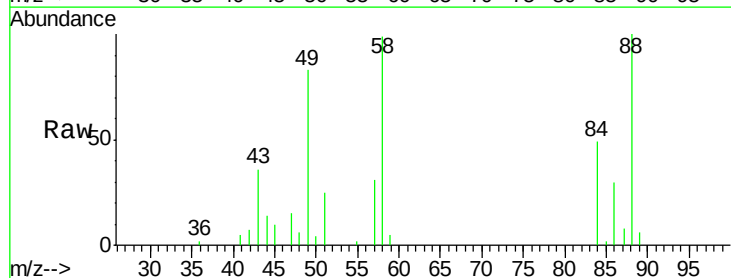
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



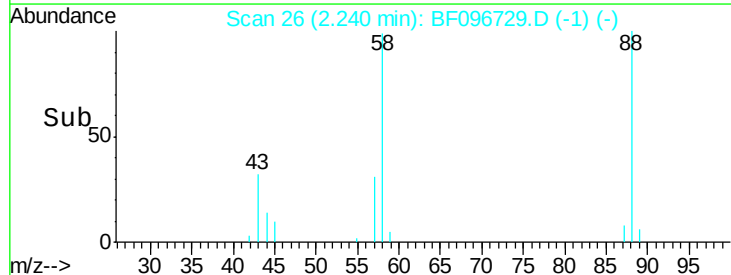
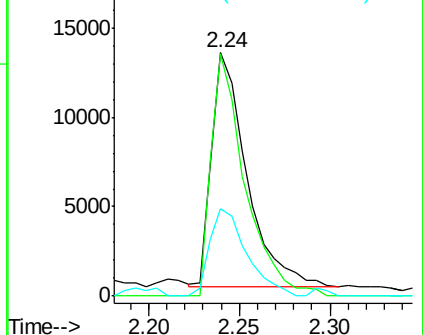
#2

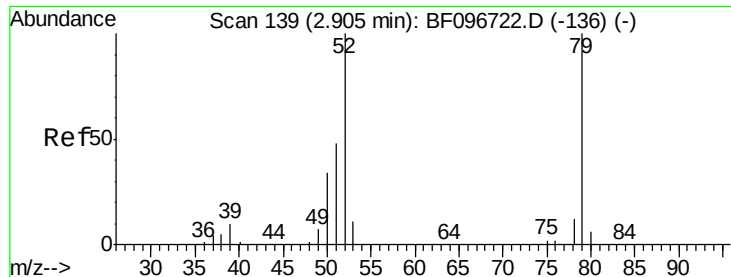
1,4-Dioxane
Concen: 4.780 ng
RT: 2.24 min Scan# 26
Delta R.T. 0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion: 88 Resp: 17831
Ion Ratio Lower Upper
88 100
58 98.9 61.4 92.0#
43 39.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 3.968 ng

RT: 3.00 min Scan# 155

Delta R.T. 0.09 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

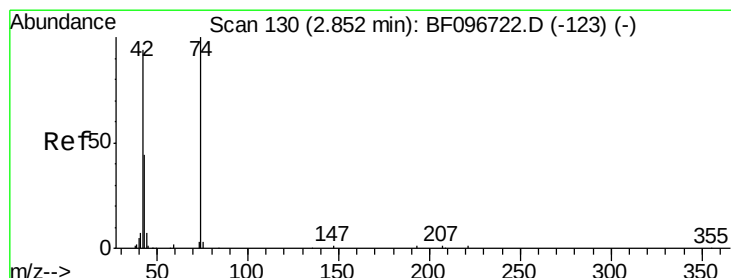
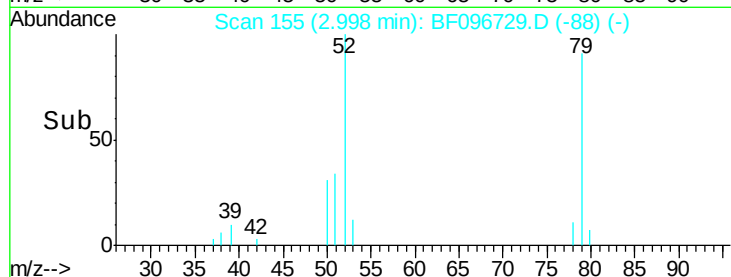
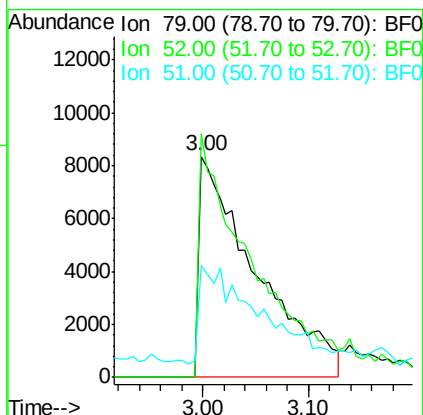
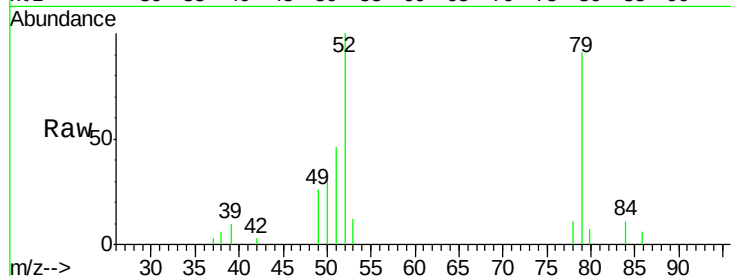
Tgt Ion: 79 Resp: 31107

Ion Ratio Lower Upper

79 100

52 110.3 54.8 82.2#

51 50.5 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 5.006 ng

RT: 2.85 min Scan# 129

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

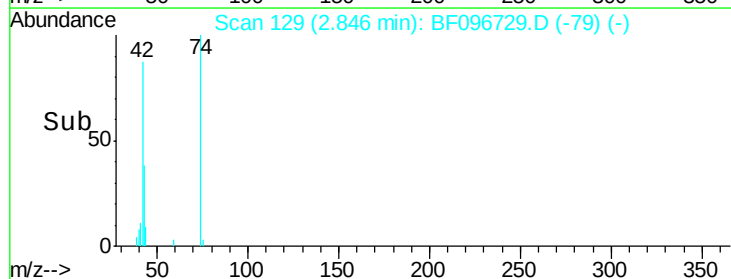
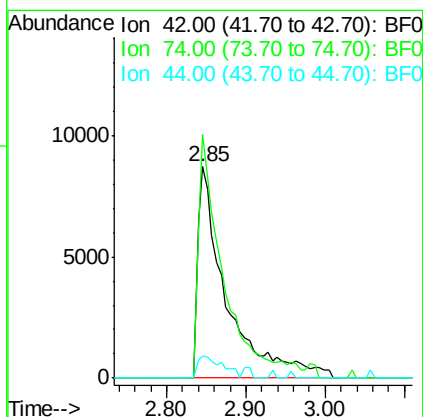
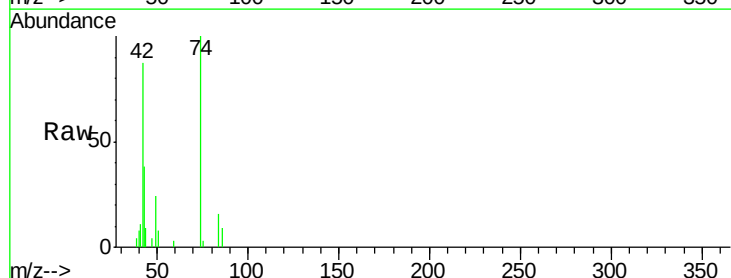
Tgt Ion: 42 Resp: 21948

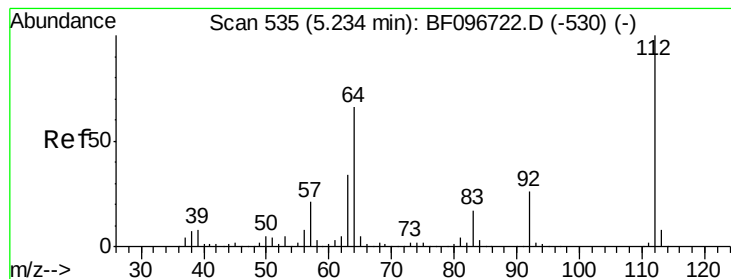
Ion Ratio Lower Upper

42 100

74 115.1 103.9 155.9

44 10.2 5.7 8.5#





#5

2-Fluorophenol

Concen: 121.449 ng

RT: 5.24 min Scan# 536

Delta R.T. 0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

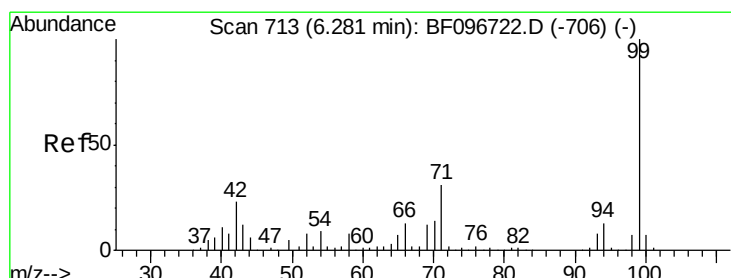
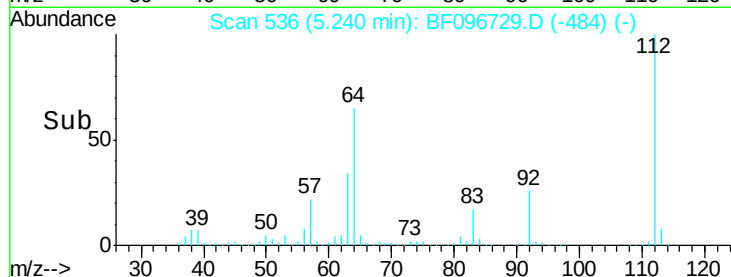
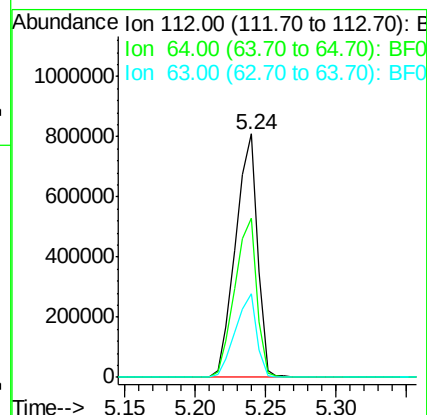
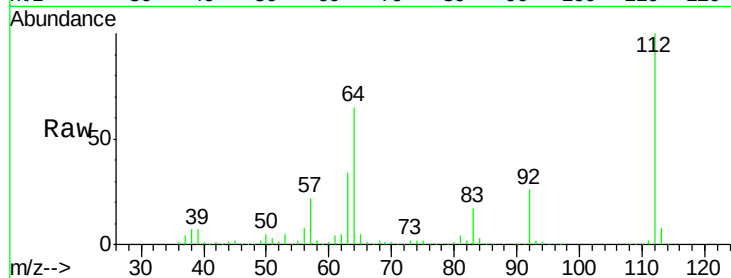
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	112	Resp:	880477
Ion Ratio	Lower	Upper	
112	100		
64	65.3	46.0	69.0
63	34.2	23.4	35.0



#7

Phenol-d6

Concen: 124.911 ng

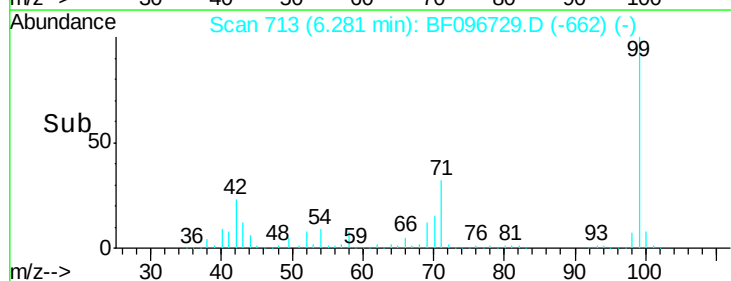
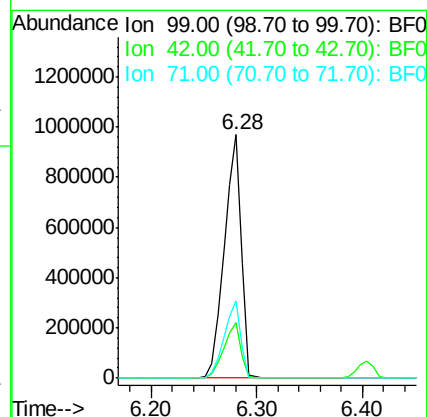
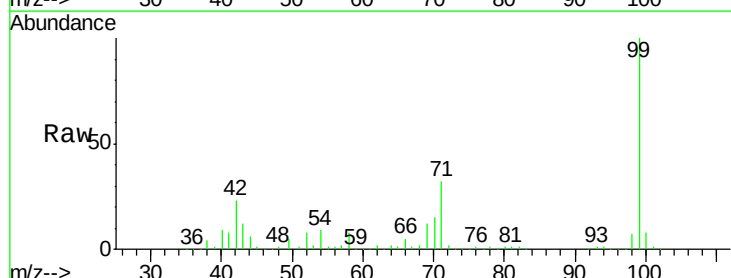
RT: 6.28 min Scan# 713

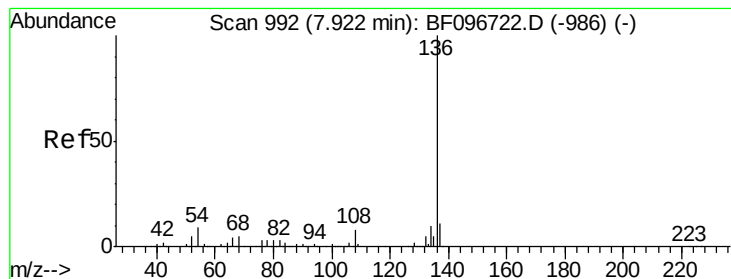
Delta R.T. -0.00 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Tgt Ion:	99	Resp:	1086714
Ion Ratio	Lower	Upper	
99	100		
42	22.7	13.5	20.3#
71	31.7	24.5	36.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

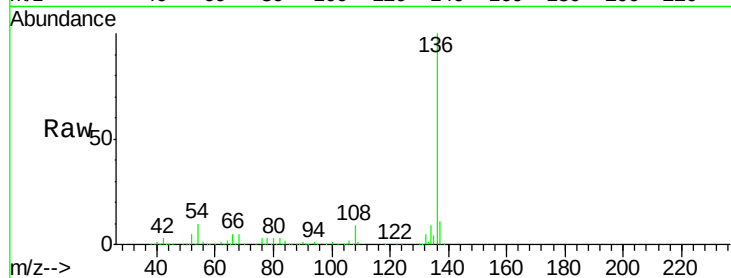
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	136	Resp:	465602
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.4	4.9	7.3#
68	5.4	4.1	6.1

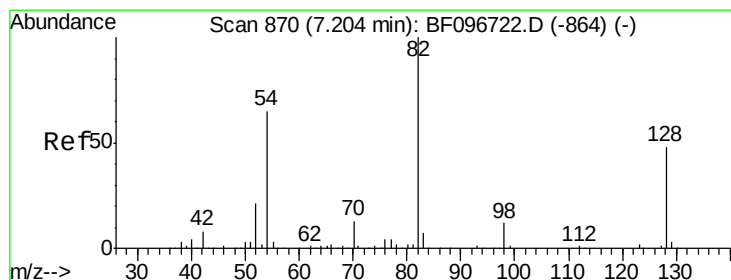
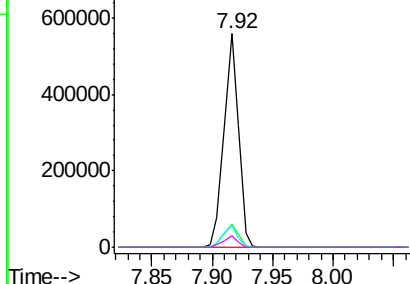
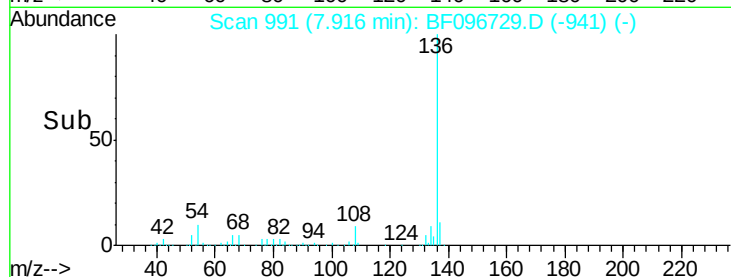


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.742 ng

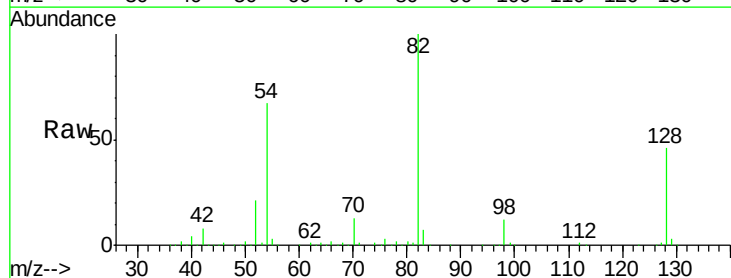
RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

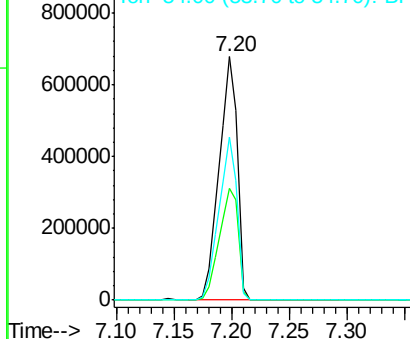
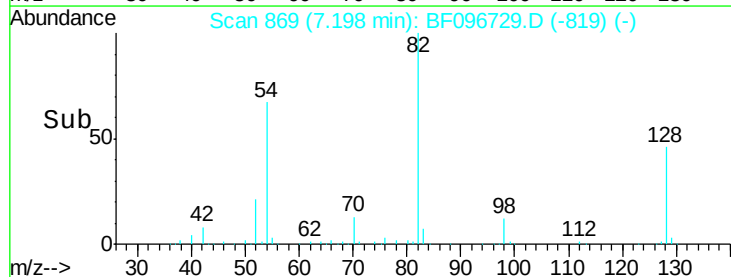
Tgt Ion:	82	Resp:	742231
Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.0	51.0
54	66.8	42.2	63.2#

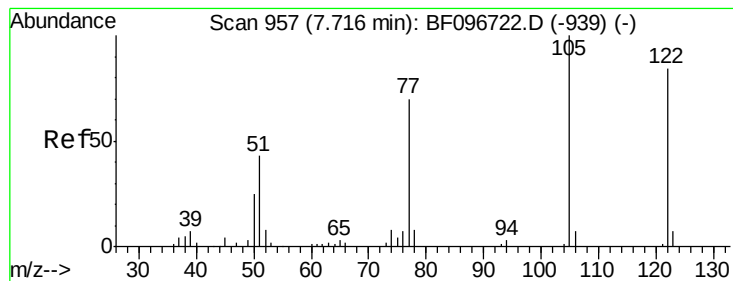


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 4.332 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.07 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

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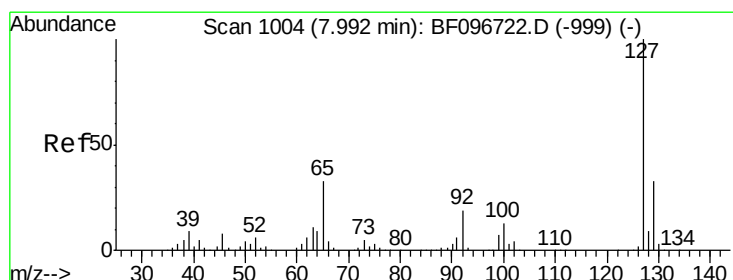
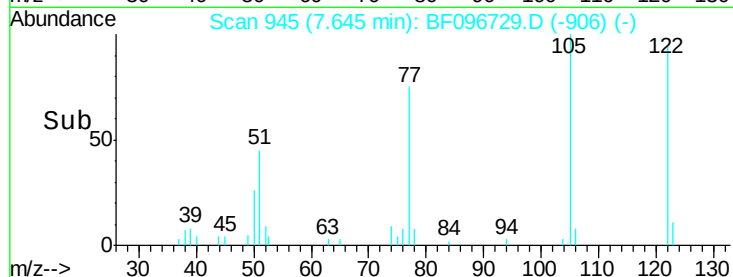
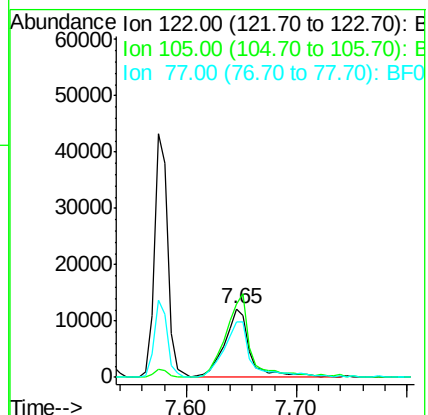
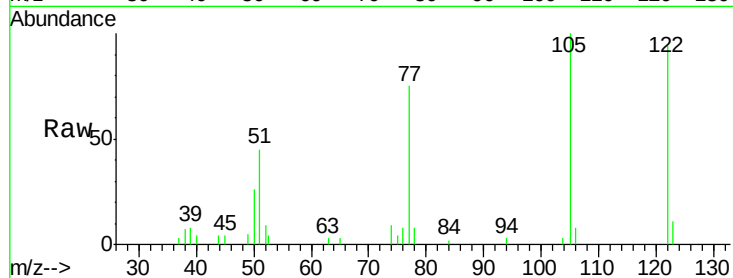
Tgt Ion:122 Resp: 19692

Ion Ratio Lower Upper

122 100

105 106.5 103.3 143.3

77 80.3 73.7 113.7



#33

4-Chloroaniline

Concen: 5.283 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Tgt Ion:127 Resp: 46163

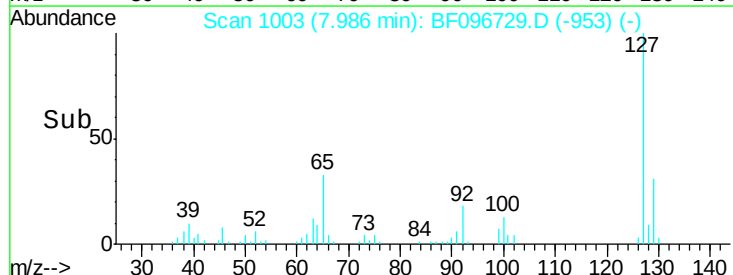
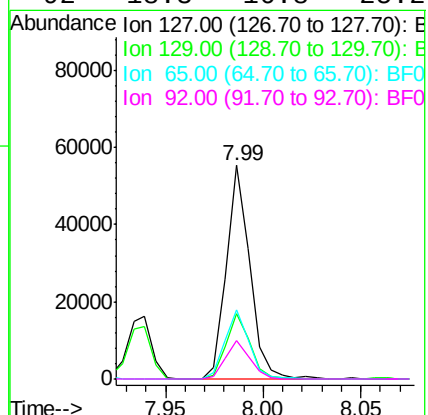
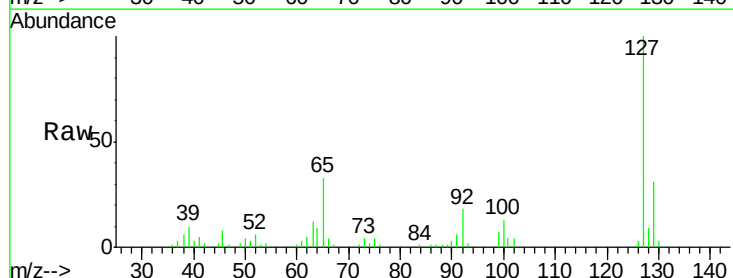
Ion Ratio Lower Upper

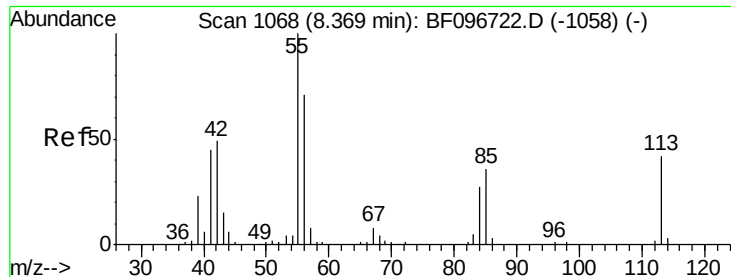
127 100

129 30.8 26.2 39.2

65 32.6 27.8 41.8

92 18.3 16.8 25.2

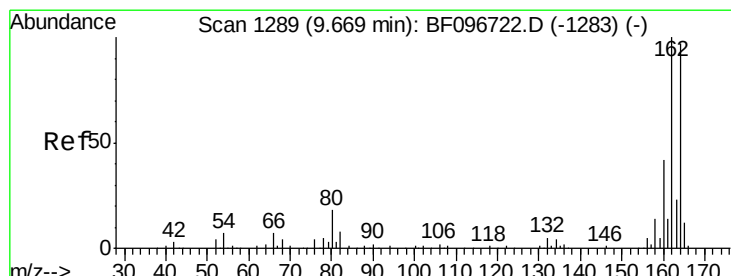
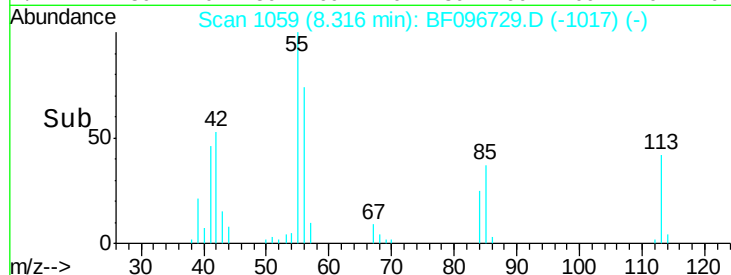
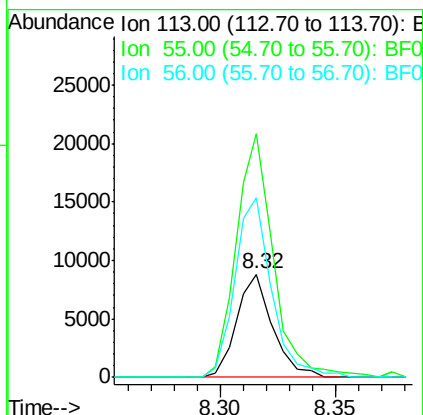
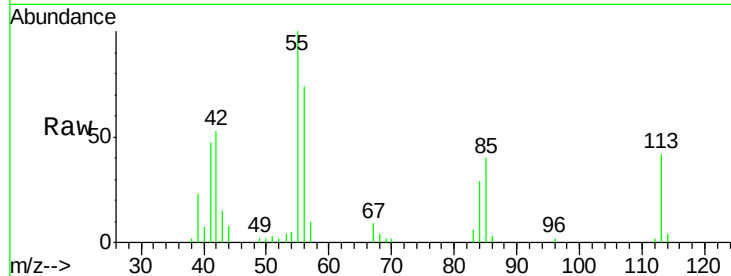




#35
 Caprolactam
 Concen: 4.665 ng
 RT: 8.32 min Scan# 1059
 Delta R.T. -0.05 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

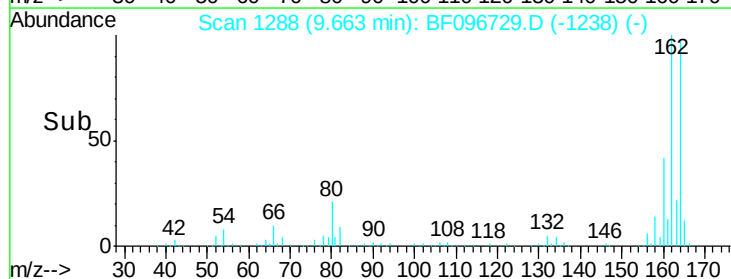
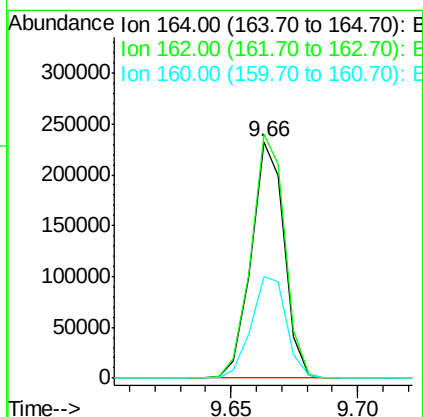
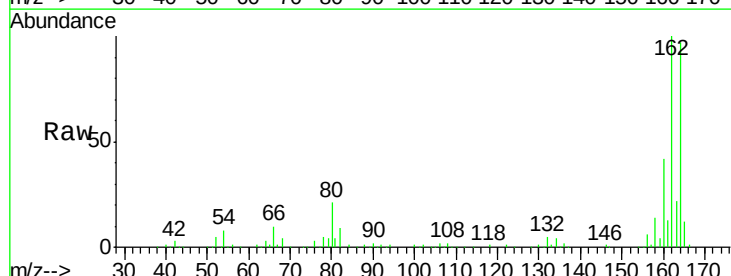
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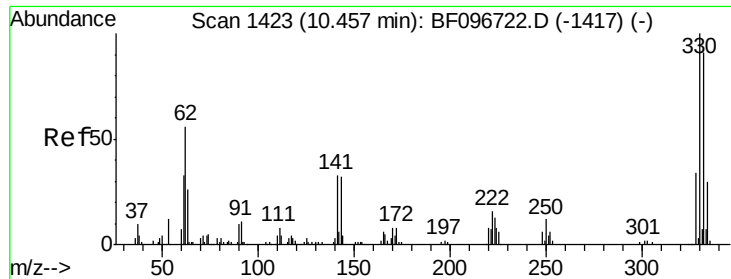
Tgt Ion:113 Resp: 9623
 Ion Ratio Lower Upper
 113 100
 55 235.4 150.2 190.2#
 56 173.2 107.8 147.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:164 Resp: 208837
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 43.2 36.2 54.2

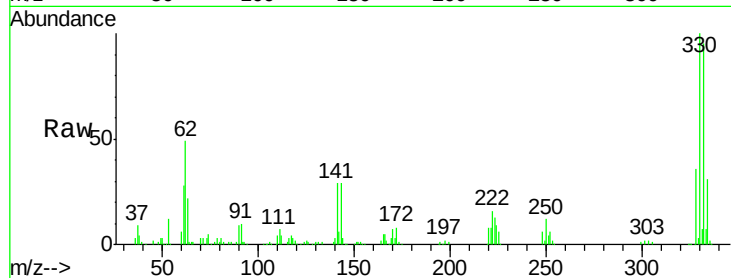




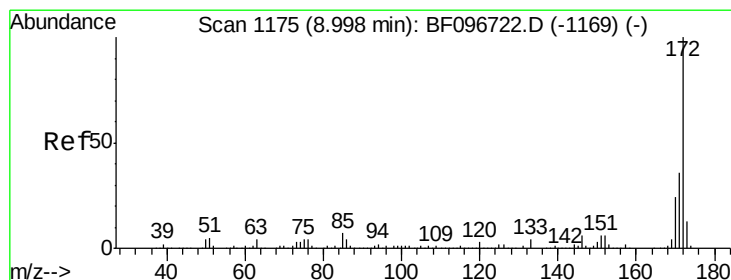
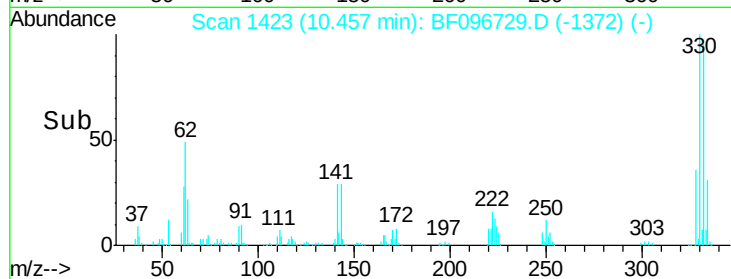
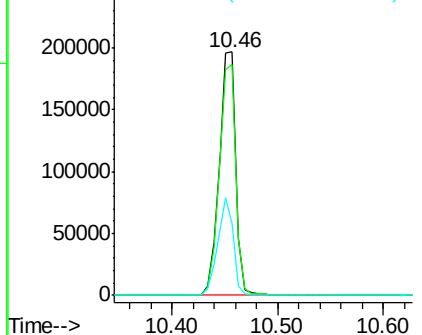
#41
 2,4,6-Tribromophenol
 Concen: 122.653 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

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

Tgt Ion:330 Resp: 218641
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 115.0
 141 37.9 31.4 47.2

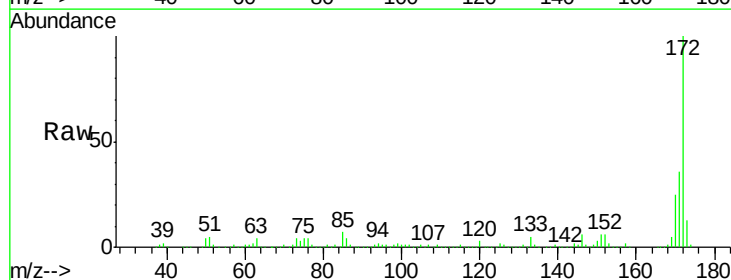


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

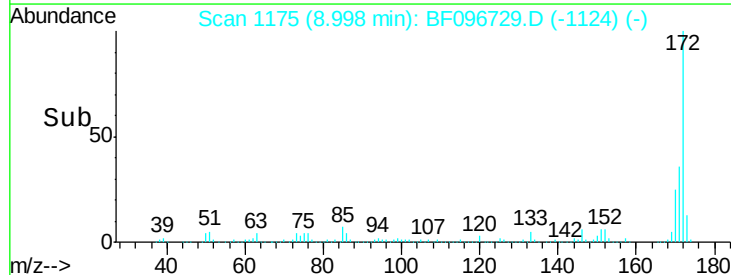
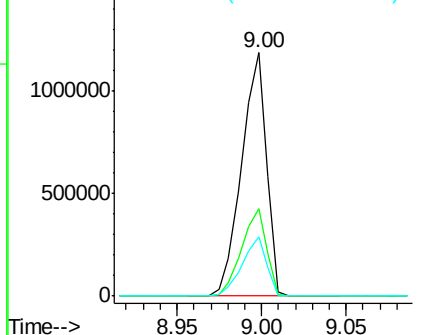


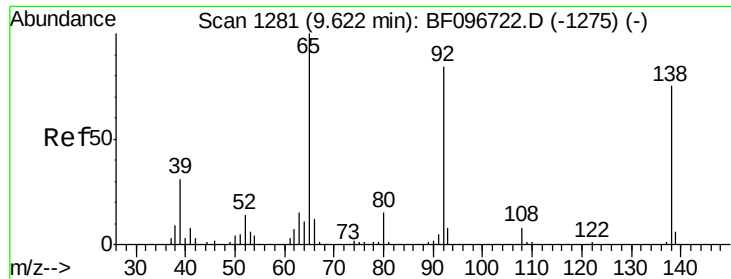
#44
 2-Fluorobiphenyl
 Concen: 92.258 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:172 Resp: 1219479
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.6 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

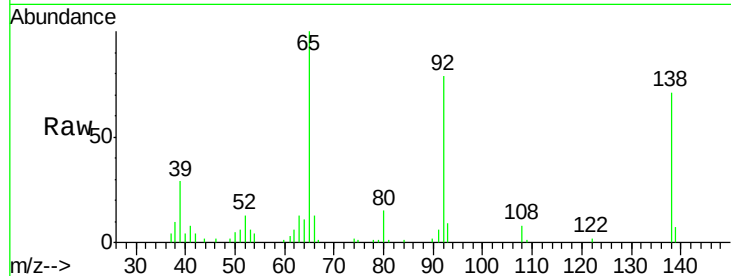




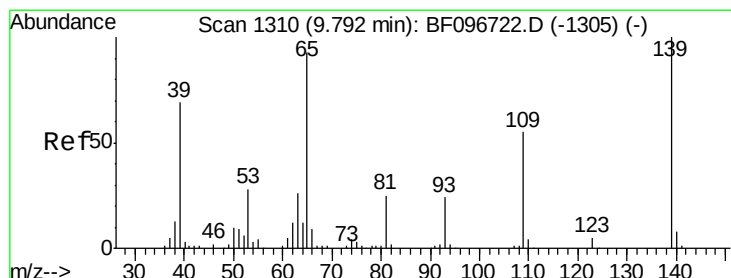
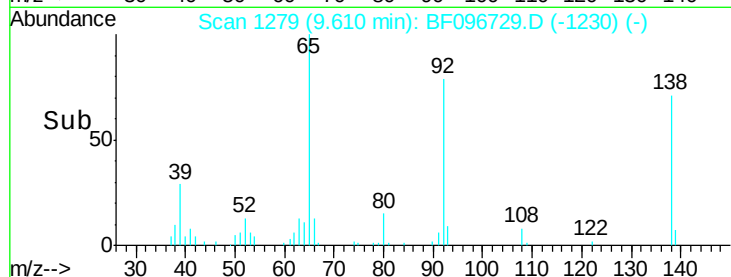
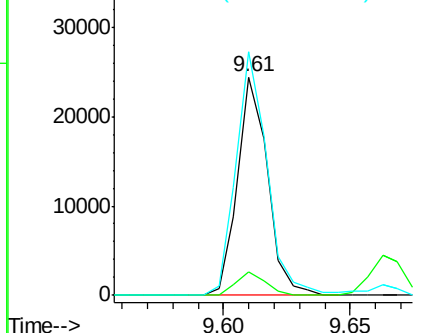
#52
 3-Nitroaniline
 Concen: 4.995 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

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

Tgt Ion:138 Resp: 20155
 Ion Ratio Lower Upper
 138 100
 108 10.7 9.1 13.7
 92 111.4 93.8 140.6

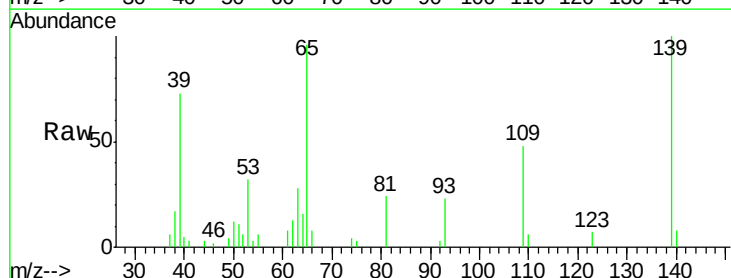


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF0

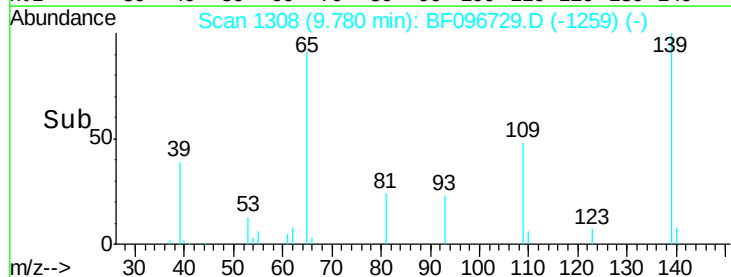
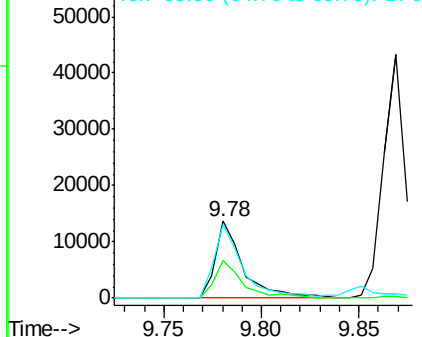


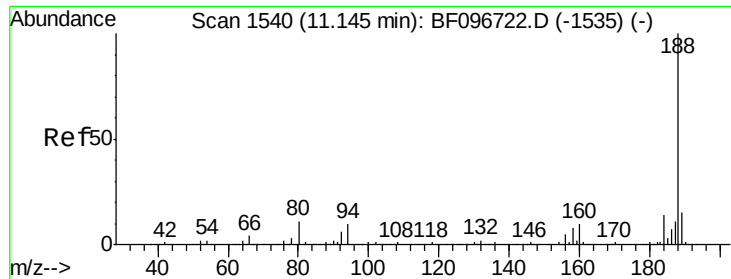
#55
 4-Nitrophenol
 Concen: 4.566 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:139 Resp: 13460
 Ion Ratio Lower Upper
 139 100
 109 48.4 34.1 74.1
 65 96.2 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

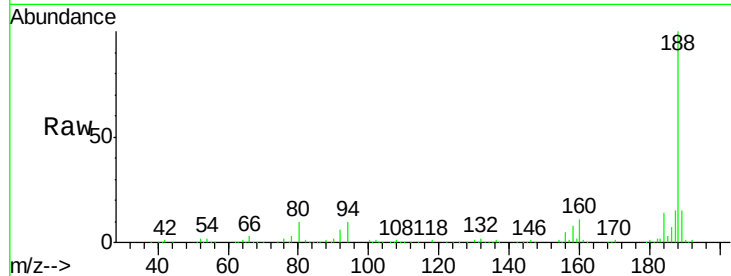
Tgt Ion:188 Resp: 351532

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

500000

400000

300000

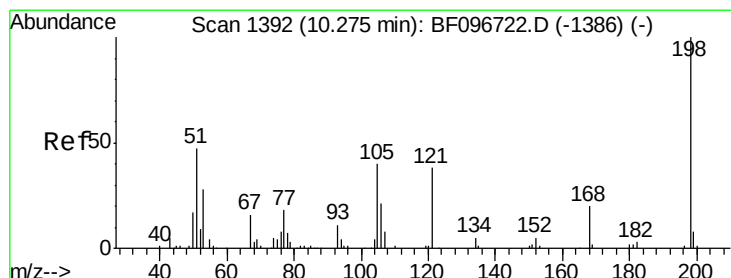
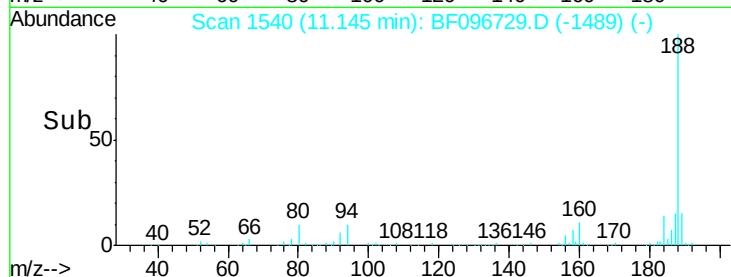
200000

100000

0

11.10 11.15 11.20

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 3.361 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

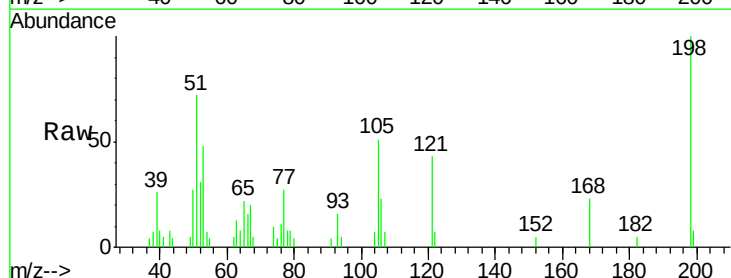
Tgt Ion:198 Resp: 7419

Ion Ratio Lower Upper

198 100

51 72.0 53.2 93.2

105 51.1 45.8 85.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

12000

10000

8000

6000

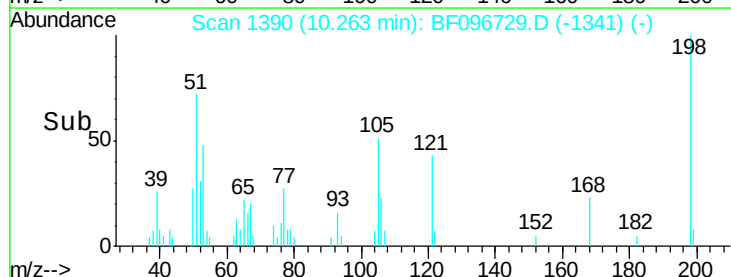
4000

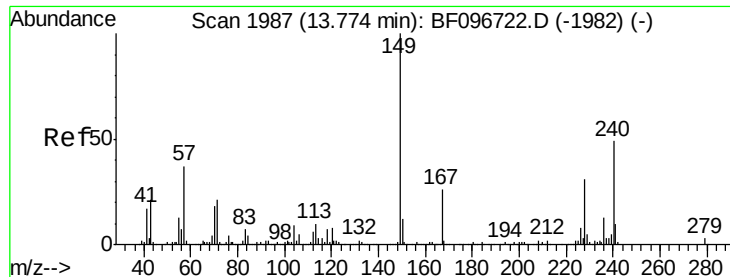
2000

0

10.25 10.26 10.30

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

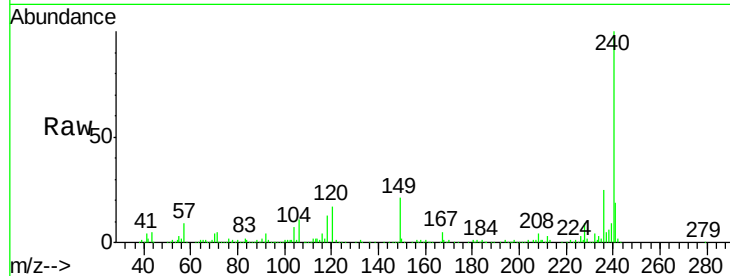
Tgt Ion:240 Resp: 256548

Ion Ratio Lower Upper

240 100

120 16.7 5.8 8.8#

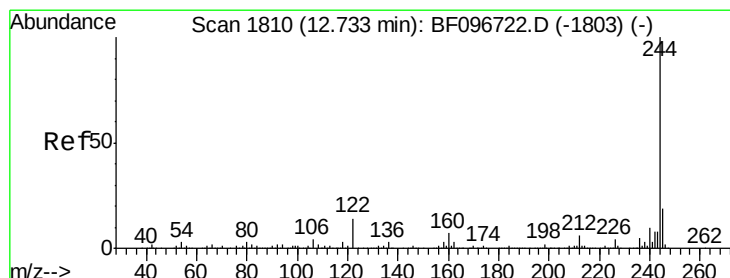
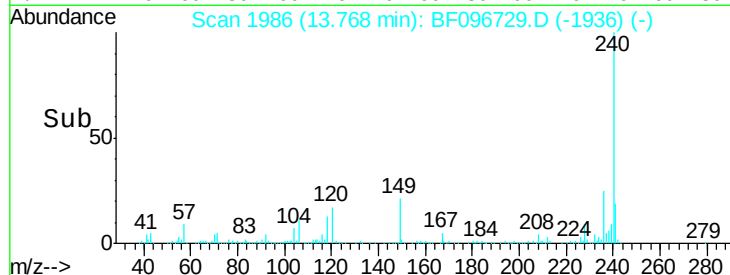
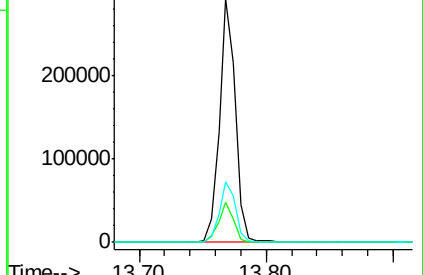
236 25.0 20.5 30.7



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: 66.874 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

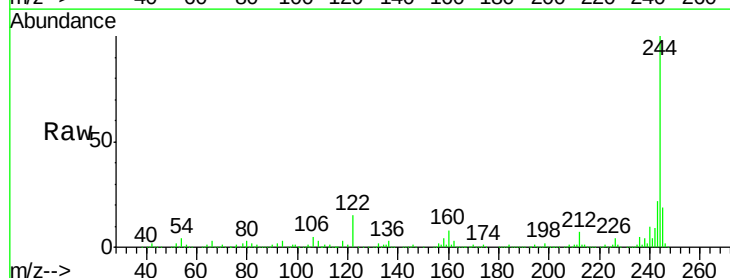
Tgt Ion:244 Resp: 989257

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

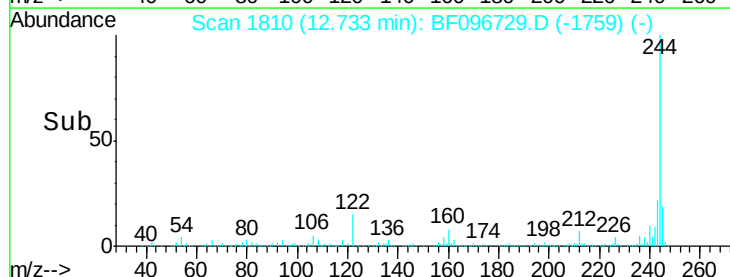
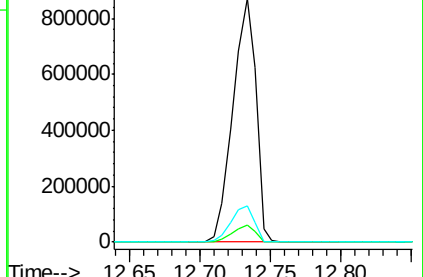
122 14.9 10.3 15.5

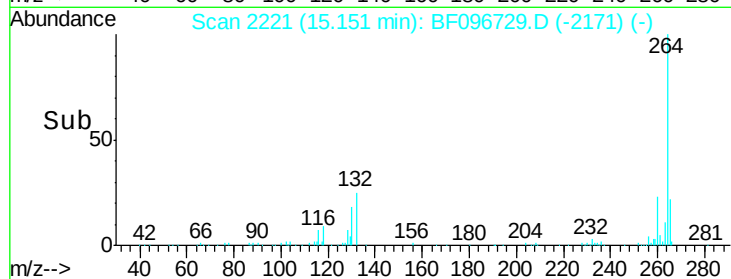
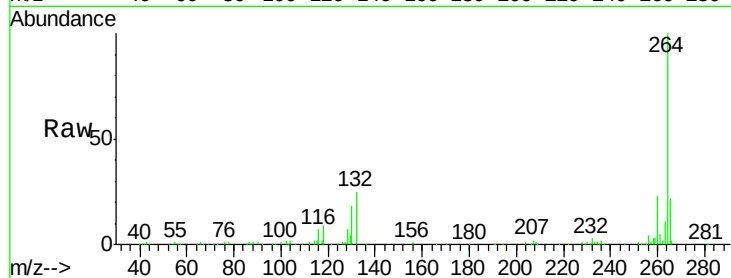
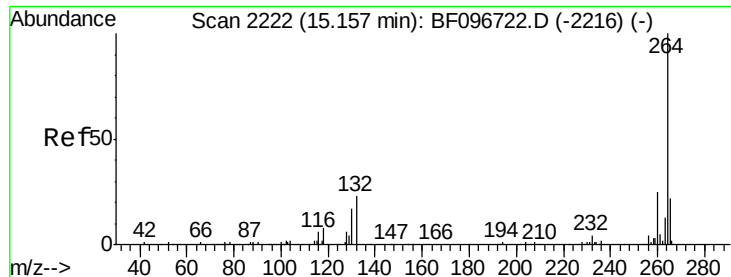


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF096729.D
Acq: 13 Jul 2017 15:54

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

Tgt Ion:	264	Resp:	182817
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.5	29.3
265	21.8	17.2	25.8

