

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093842.D
 Acq On : 22 Mar 2017 19:51
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 5 PPB
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Quant Time: Mar 23 13:06:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	184165	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	756650	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	351615	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	629128	20.00	ng	0.00
75) Chrysene-d12	14.71	240	531307	20.00	ng	0.00
86) Perylene-d12	16.34	264	416117	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.50	112	1477497	135.50	ng	0.00
7) Phenol-d6	5.57	99	1814189	134.49	ng	0.00
23) Nitrobenzene-d5	6.63	82	1234540	93.11	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	407385	146.62	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	2148870	93.22	ng	0.00
78) Terphenyl-d14	13.44	244	1827802	77.11	ng	0.00

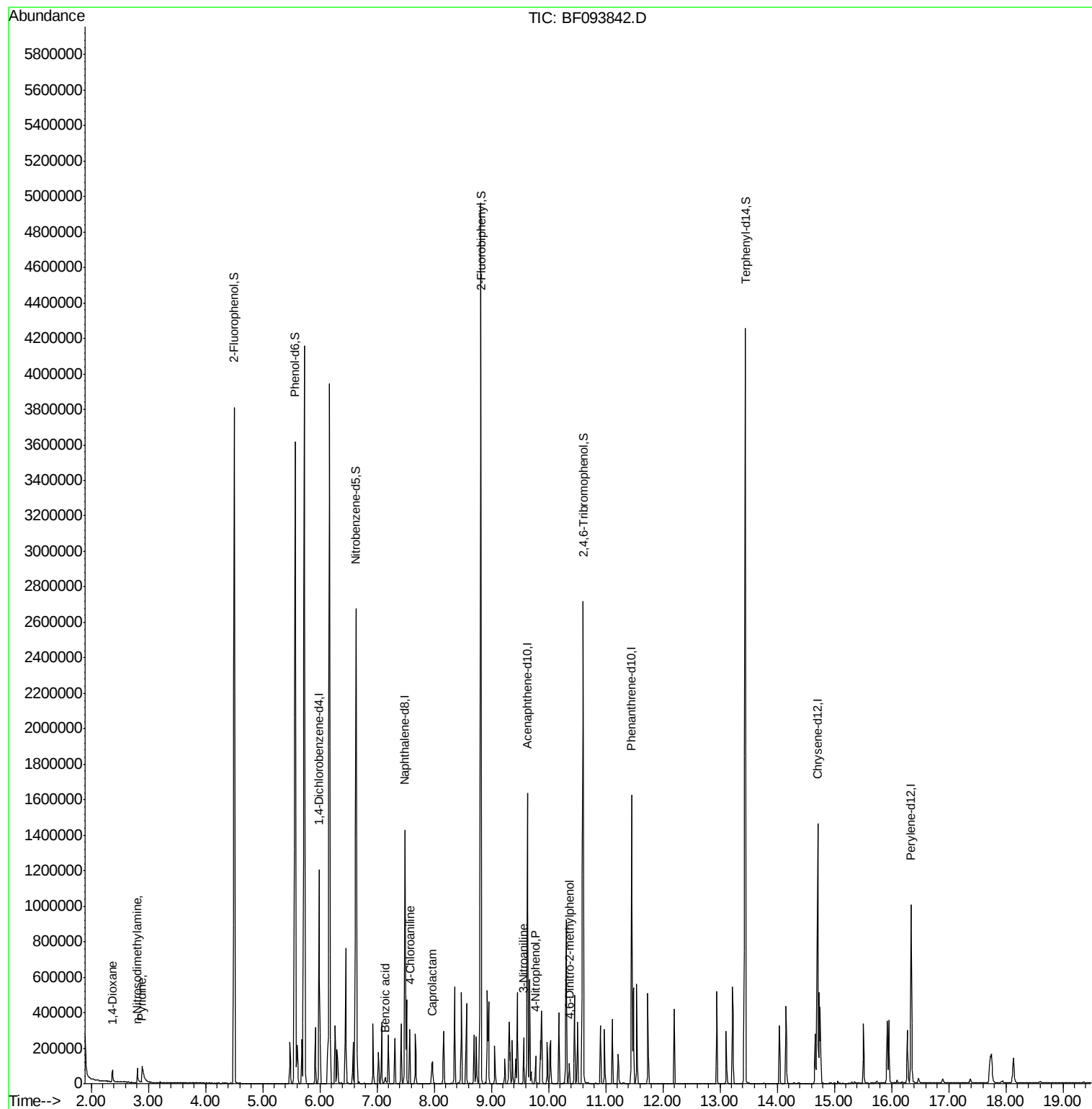
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.37	88	31176	5.95	ng	96
3) Pyridine	2.89	79	77220	5.41	ng	94
4) n-Nitrosodimethylamine	2.80	42	33063	5.63	ng	93
32) Benzoic acid	7.15	122	12453	1.74	ng	96
33) 4-Chloroaniline	7.57	127	86779	5.89	ng	# 92
35) Caprolactam	7.97	113	18263	5.70	ng	94
52) 3-Nitroaniline	9.57	138	37891	5.63	ng	86
55) 4-Nitrophenol	9.77	139	25678	4.87	ng	# 70
64) 4,6-Dinitro-2-methylphenol	10.36	198	13946	3.62	ng	# 77

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

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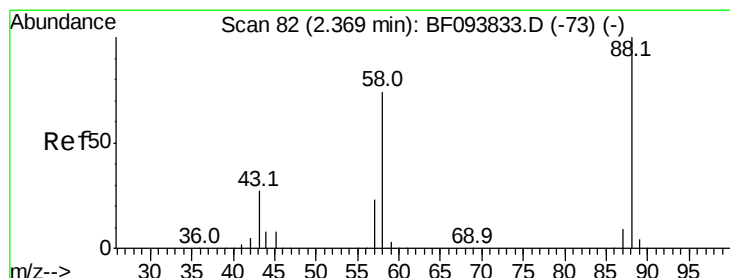
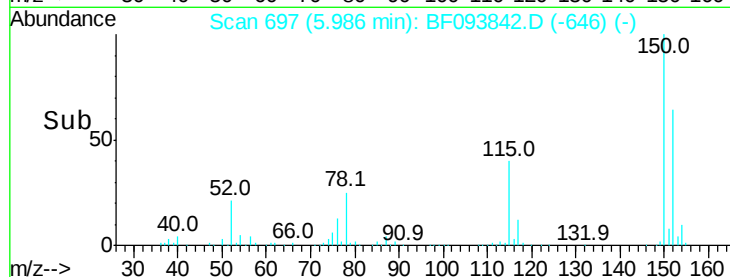
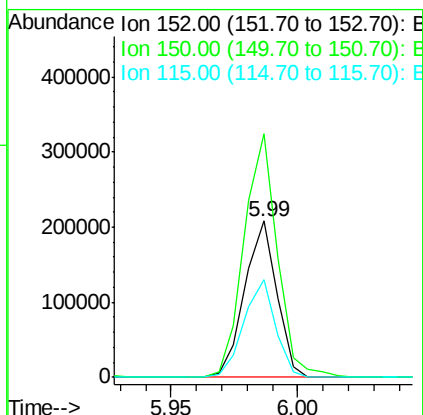
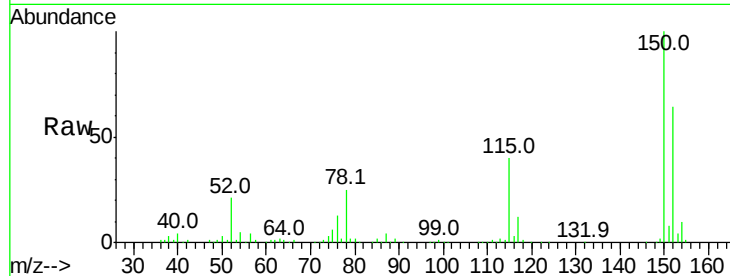


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

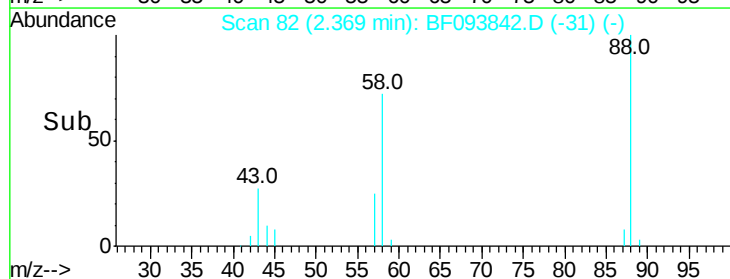
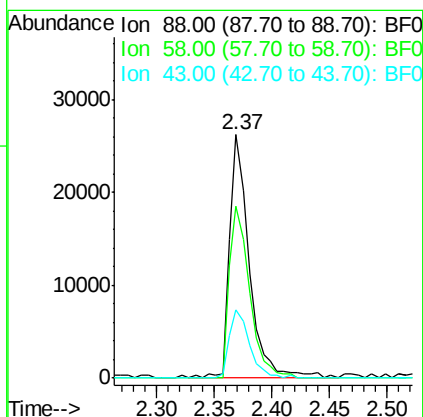
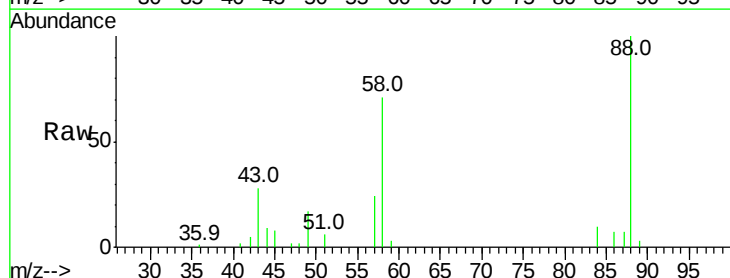
Tot Ion:152 Resp: 184165
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 62.5 52.2 78.2

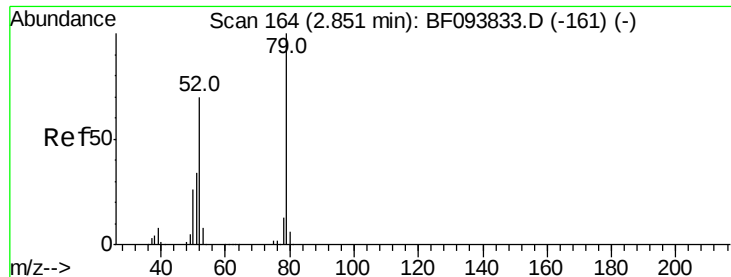


#2

1,4-Dioxane
Concen: 5.95 ng
RT: 2.37 min Scan# 82
Delta R.T. -0.00 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion: 88 Resp: 31176
Ion Ratio Lower Upper
88 100
58 72.1 61.4 92.0
43 28.8 23.4 35.0





#3

Pvridine

Concen: 5.41 ng

RT: 2.89 min Scan# 171

Delta R.T. 0.04 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

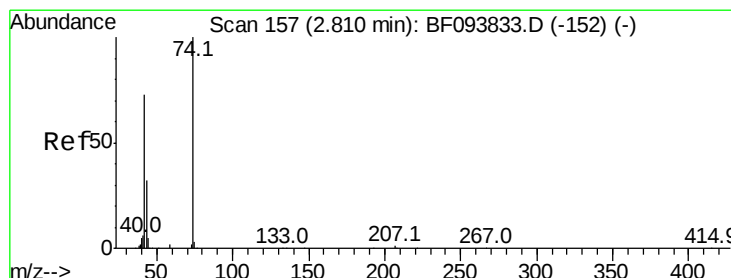
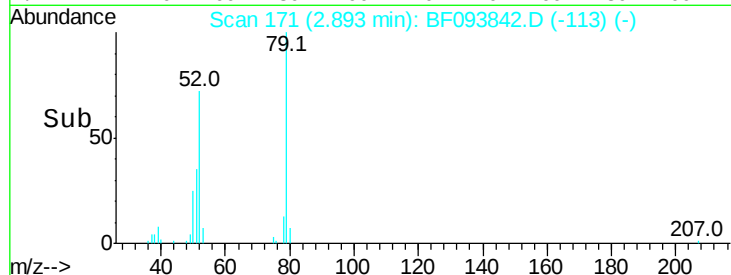
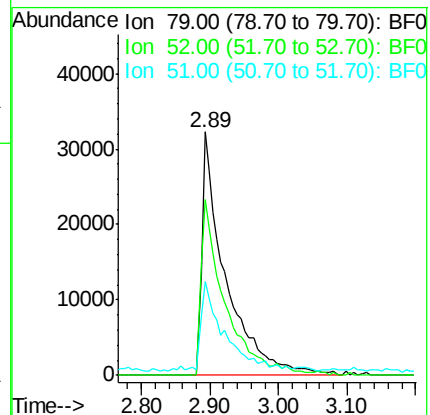
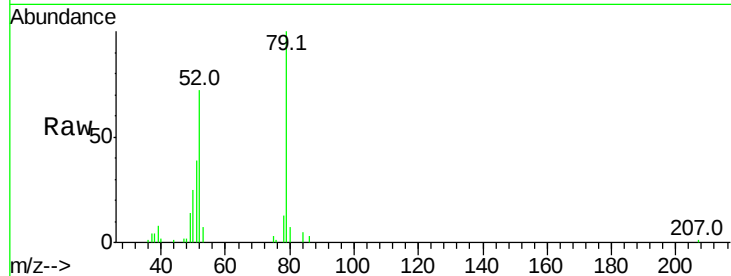
Tot Ion: 79 Resp: 77220

Ion Ratio Lower Upper

79 100

52 72.1 54.8 82.2

51 38.6 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 5.63 ng

RT: 2.80 min Scan# 156

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

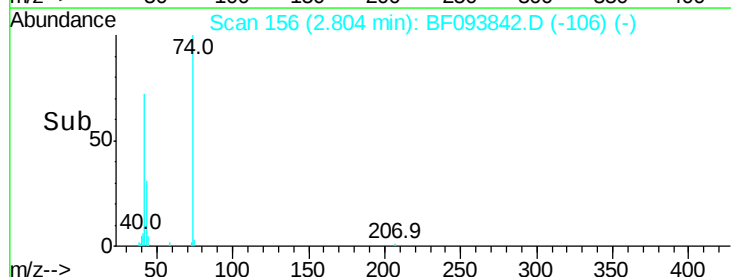
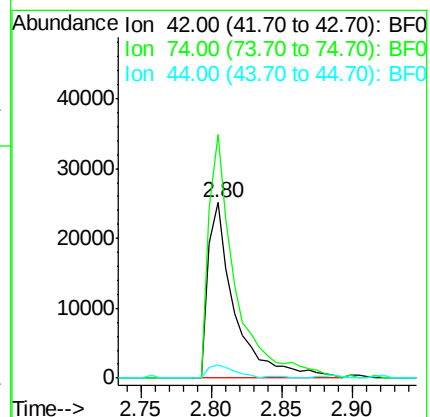
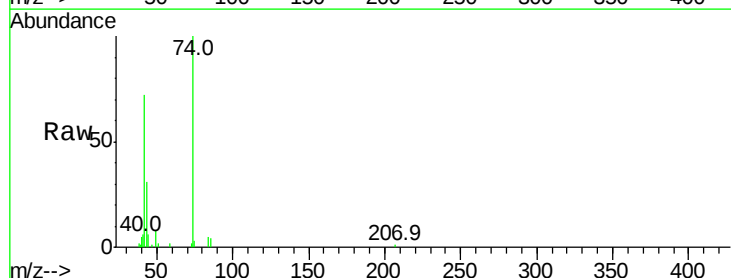
Tgt Ion: 42 Resp: 33063

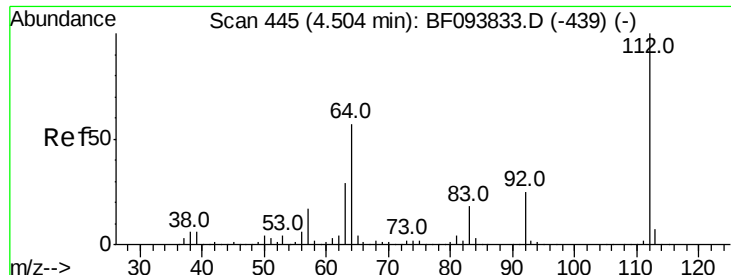
Ion Ratio Lower Upper

42 100

74 138.8 103.9 155.9

44 7.9 5.7 8.5





#5

2-Fluorophenol

Concen: 135.50 ng

RT: 4.50 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

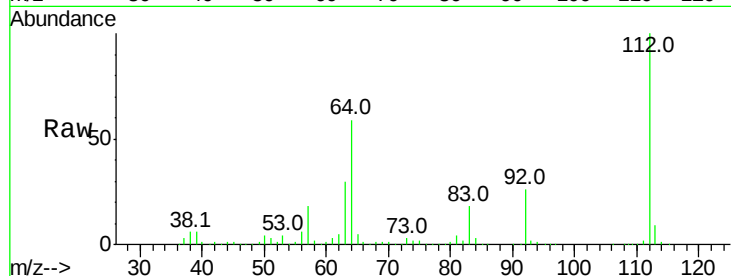
BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:112 Resp: 1477497

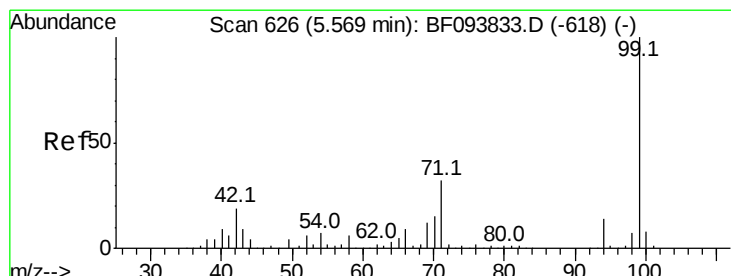
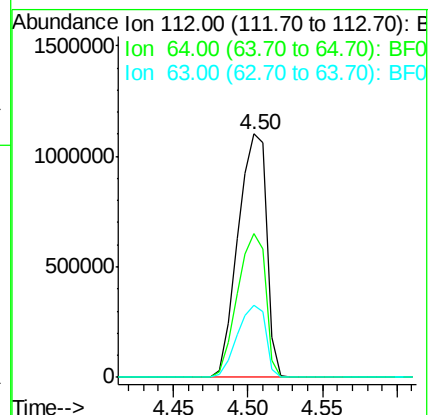
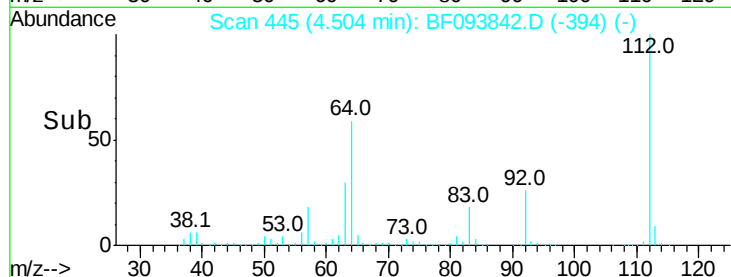
Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.0	69.0
63	29.8	23.4	35.0



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: 134.49 ng

RT: 5.57 min Scan# 626

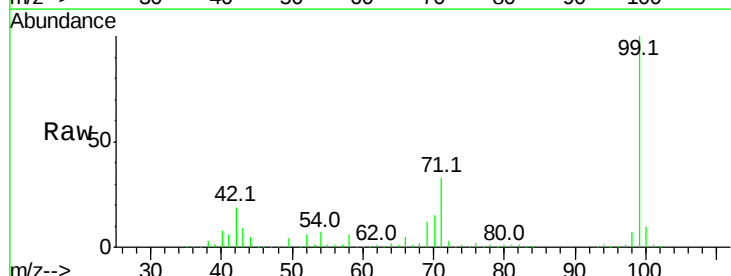
Delta R.T. -0.00 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Tgt Ion: 99 Resp: 1814189

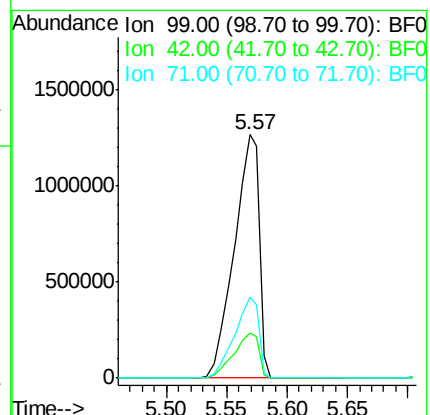
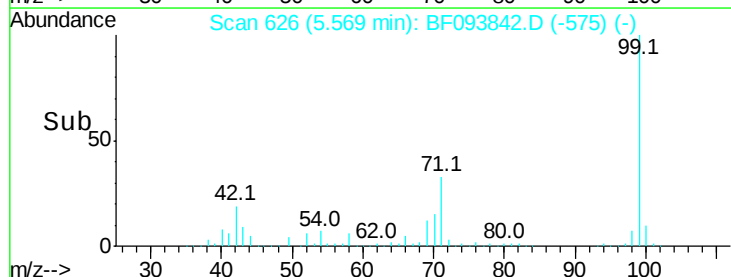
Ion	Ratio	Lower	Upper
99	100		
42	18.7	13.5	20.3
71	33.4	24.5	36.7

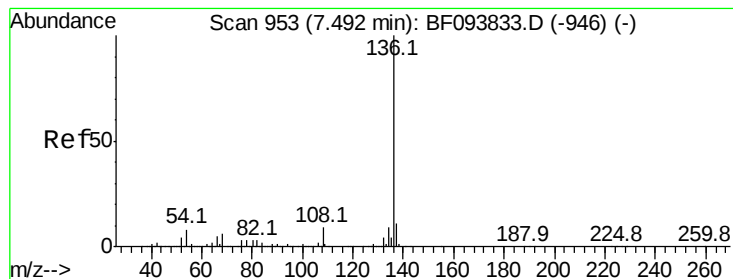


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:136 Resp: 756650

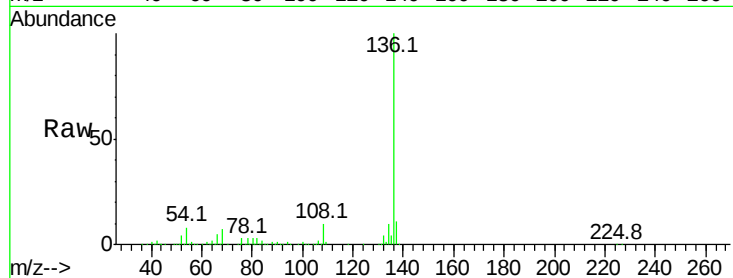
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 8.5 4.9 7.3#

68 6.8 4.1 6.1#

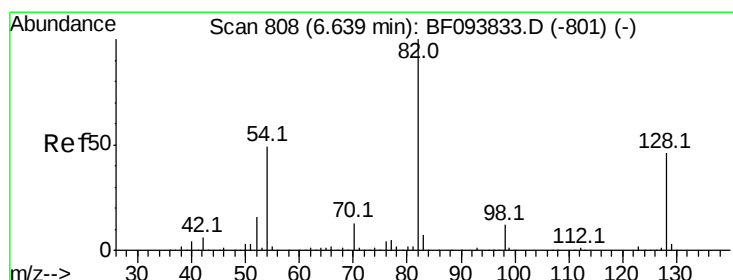
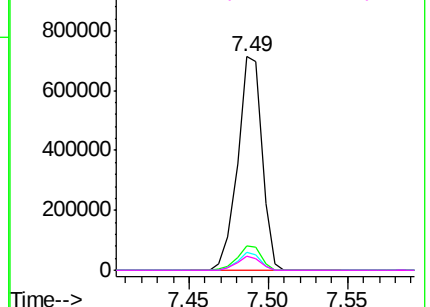
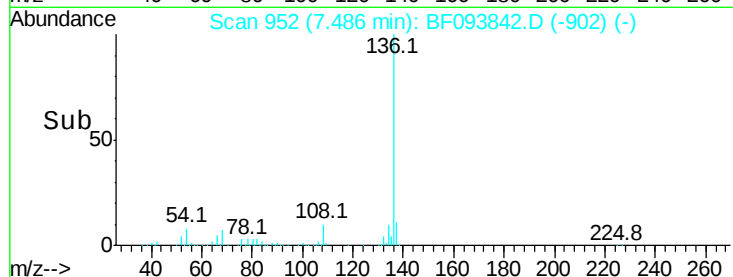


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.11 ng

RT: 6.63 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

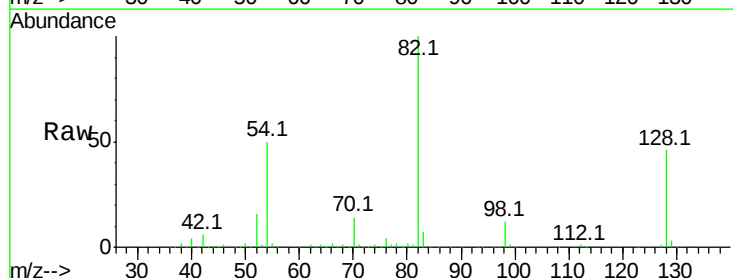
Tgt Ion: 82 Resp: 1234540

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

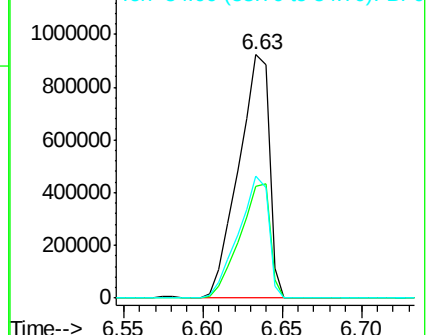
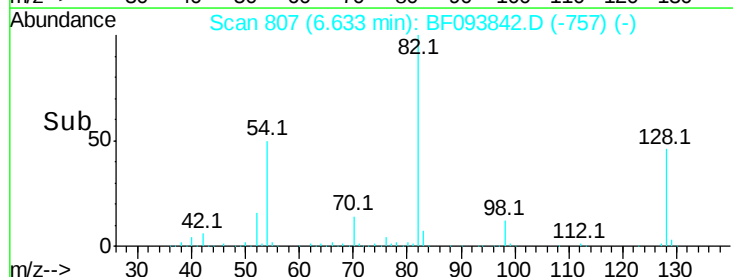
54 50.1 42.2 63.2

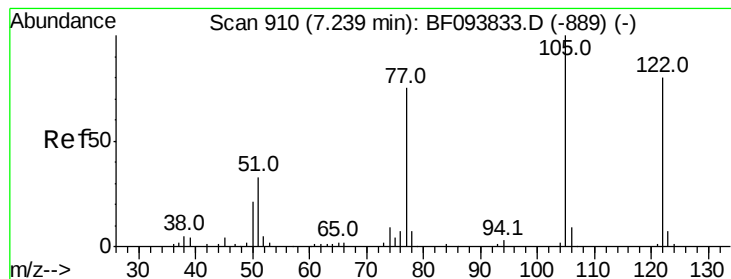


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 1.74 ng

RT: 7.15 min Scan# 894

Delta R.T. -0.09 min

Lab File: BF093842.D

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BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

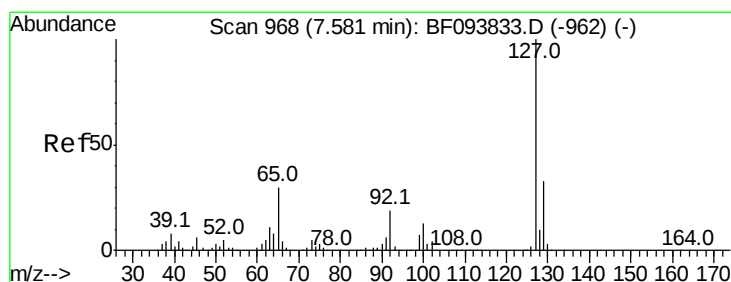
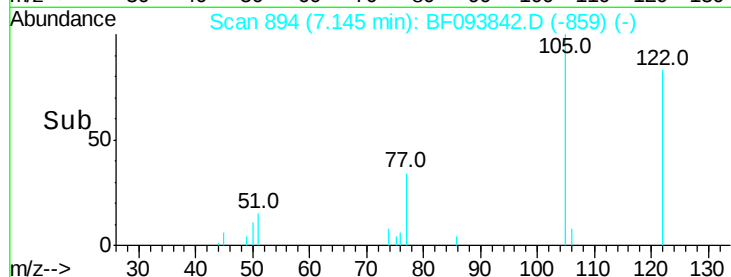
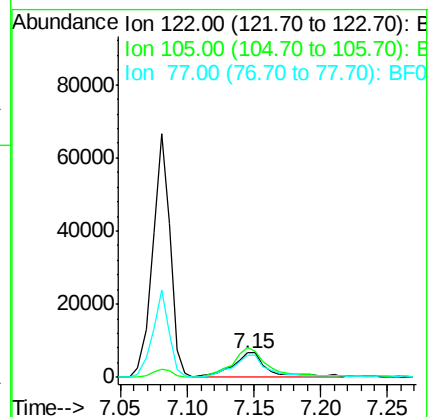
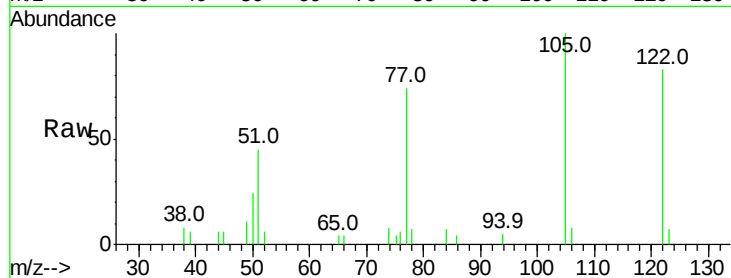
Tot Ion:122 Resp: 12453

Ion Ratio Lower Upper

122 100

105 119.9 103.3 143.3

77 88.1 73.7 113.7



#33

4-Chloroaniline

Concen: 5.89 ng

RT: 7.57 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Tgt Ion:127 Resp: 86779

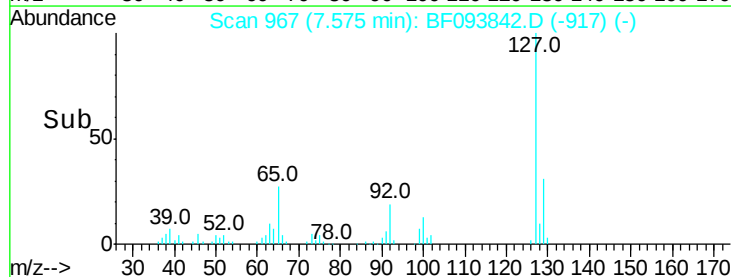
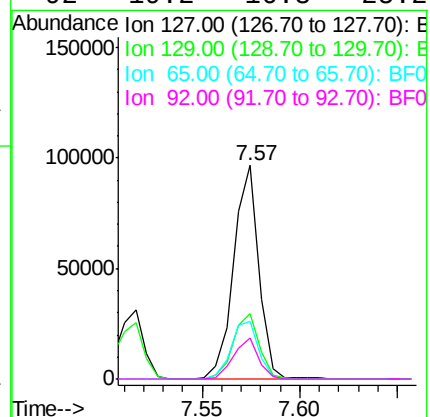
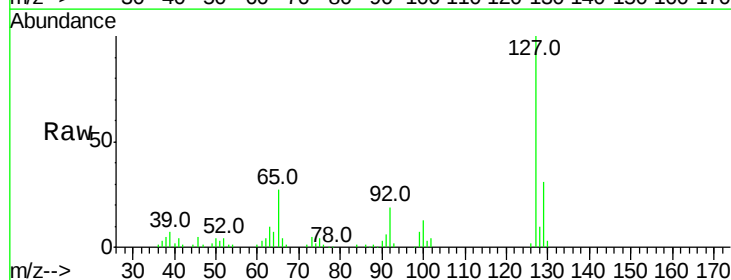
Ion Ratio Lower Upper

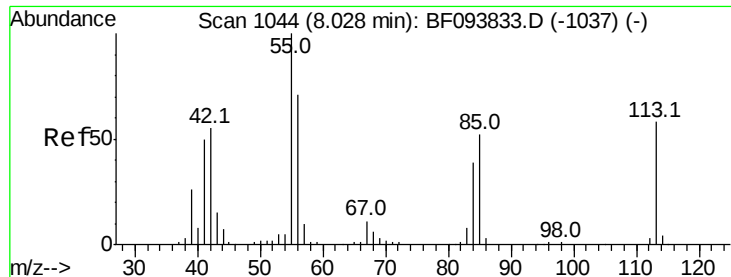
127 100

129 30.8 26.2 39.2

65 26.7 27.8 41.8#

92 19.2 16.8 25.2

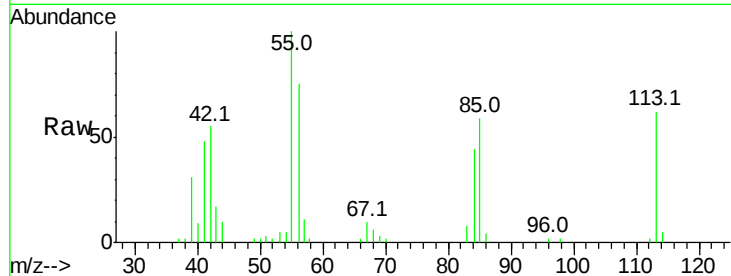




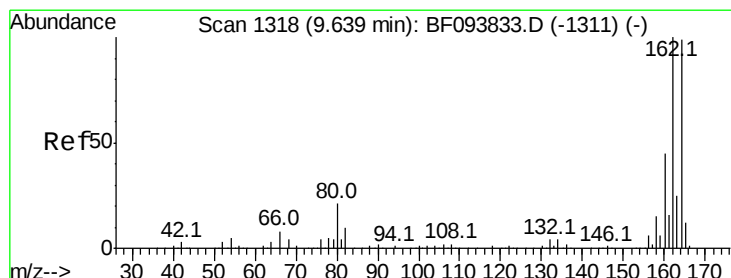
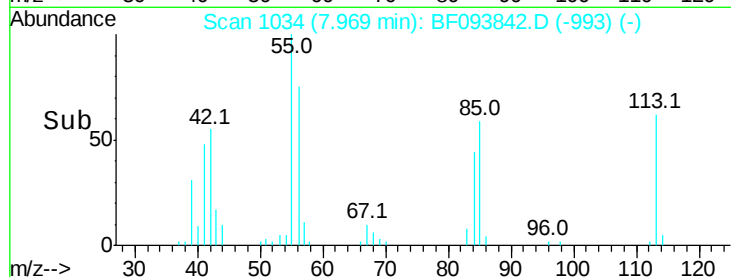
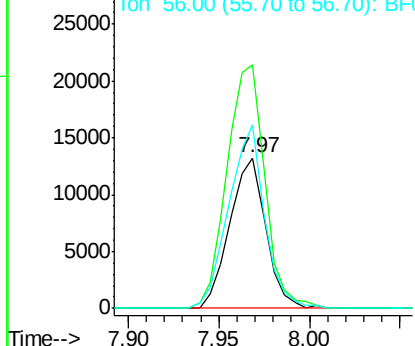
#35
 Caprolactam
 Concen: 5.70 ng
 RT: 7.97 min Scan# 1034
 Delta R.T. -0.06 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:113 Resp: 18263
 Ion Ratio Lower Upper
 113 100
 55 161.8 150.2 190.2
 56 121.7 107.8 147.8

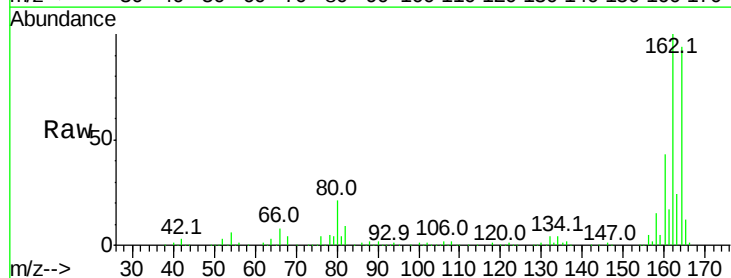


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

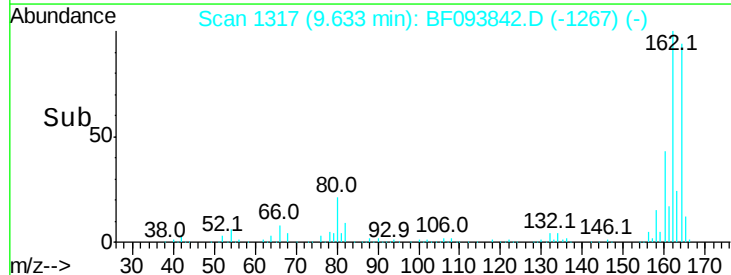
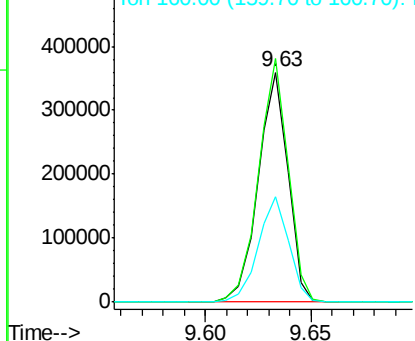


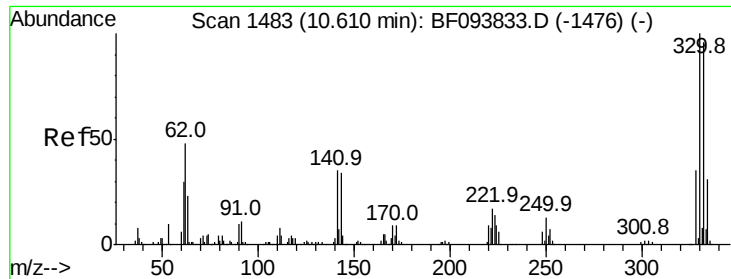
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:164 Resp: 351615
 Ion Ratio Lower Upper
 164 100
 162 105.9 82.6 123.8
 160 45.9 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

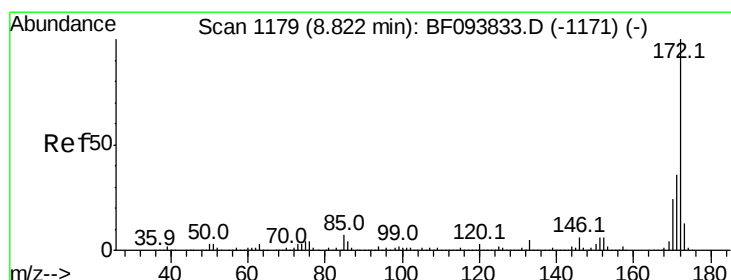
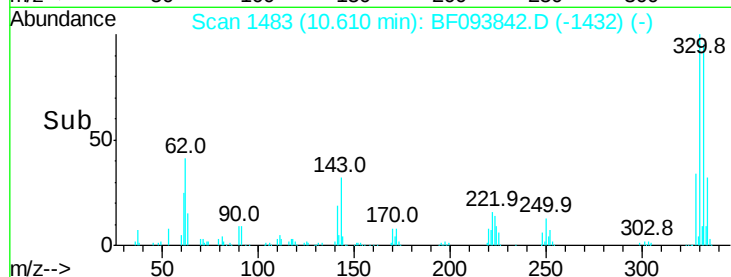
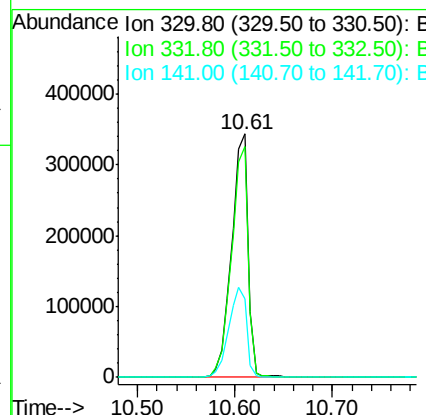
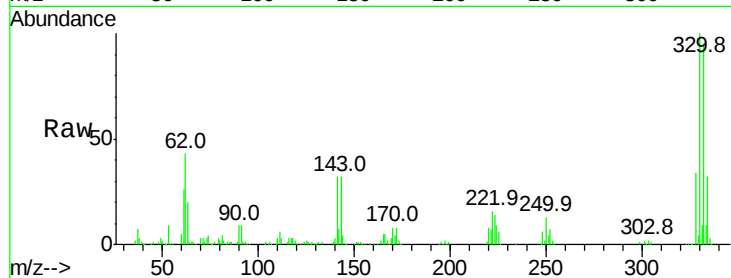




#41
 2,4,6-Tribromophenol
 Concen: 146.62 ng
 RT: 10.61 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

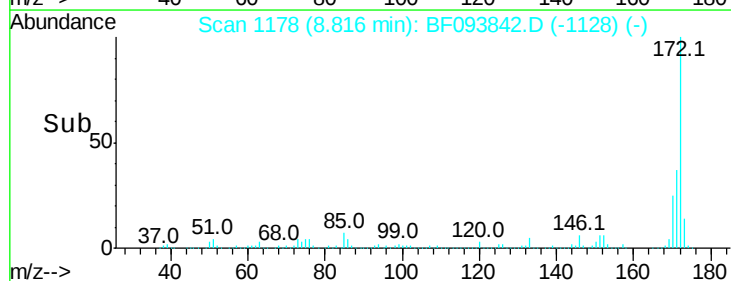
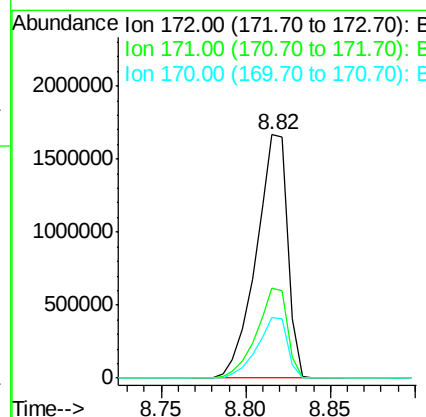
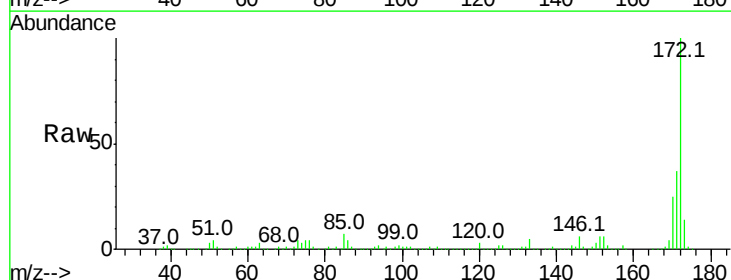
Instrument :
 BNA_F
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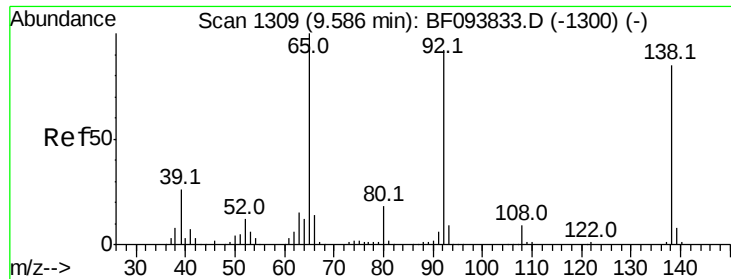
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	39.7	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 93.22 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.7	19.8	29.8

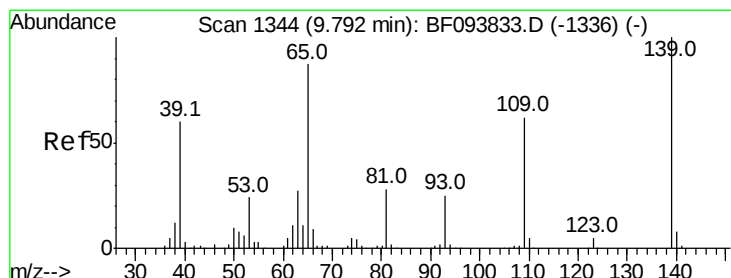
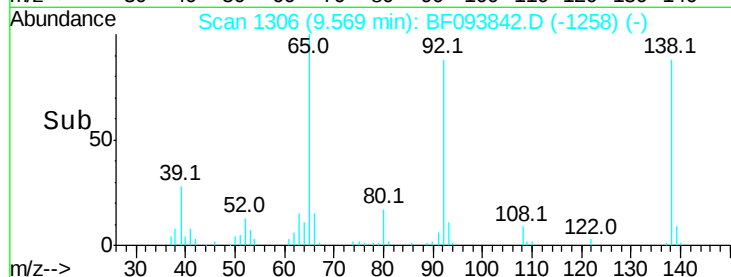
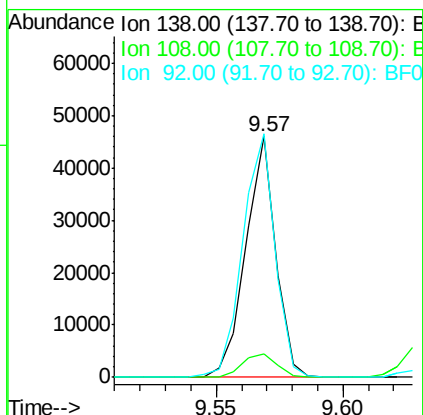
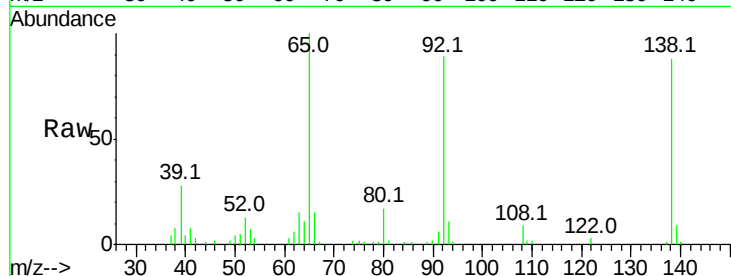




#52
 3-Nitroaniline
 Concen: 5.63 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

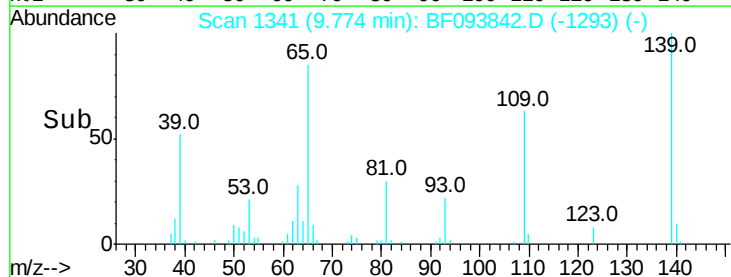
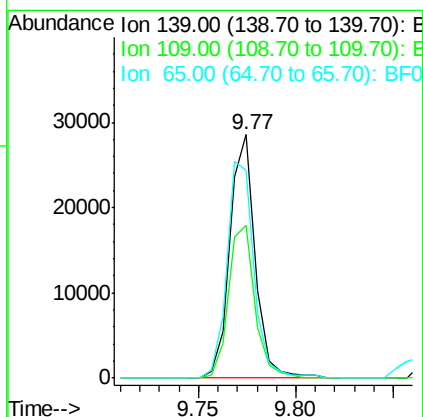
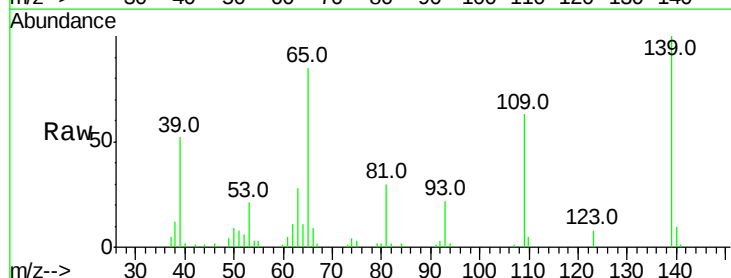
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

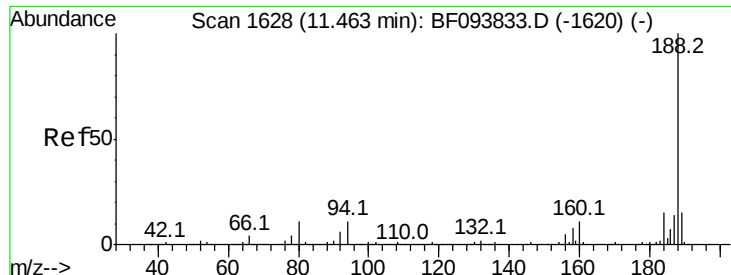
Tot Ion:138 Resp: 37891
 Ion Ratio Lower Upper
 138 100
 108 10.0 9.1 13.7
 92 101.1 93.8 140.6



#55
 4-Nitrophenol
 Concen: 4.87 ng
 RT: 9.77 min Scan# 1341
 Delta R.T. -0.02 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:139 Resp: 25678
 Ion Ratio Lower Upper
 139 100
 109 62.8 34.1 74.1
 65 85.2 31.4 71.4#

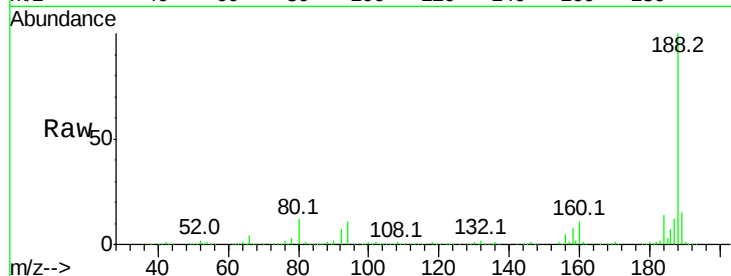




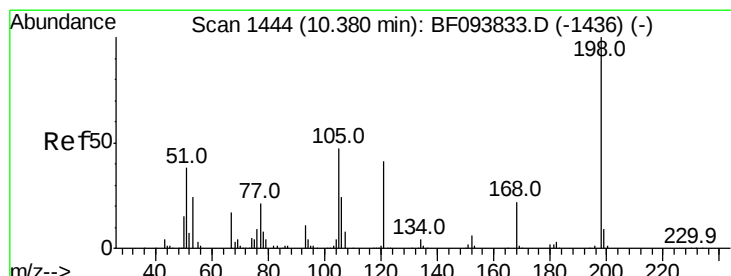
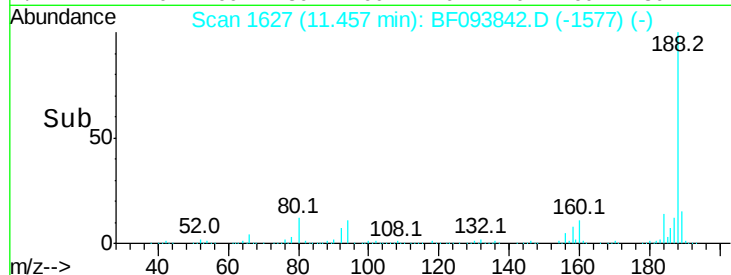
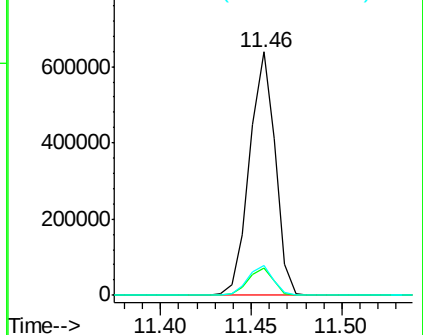
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:188 Resp: 629128
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 12.4 10.2 15.2

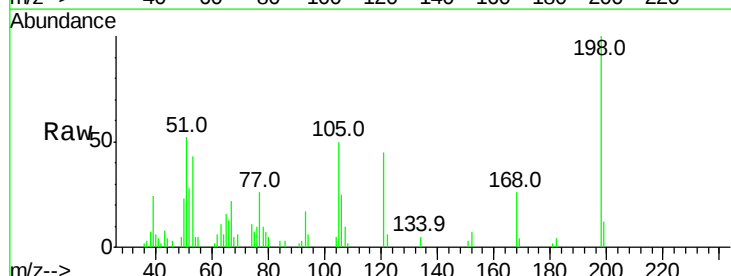


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

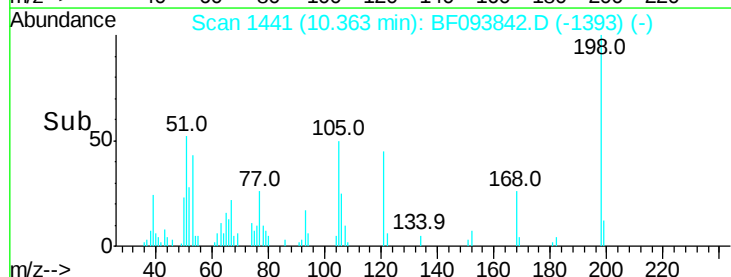
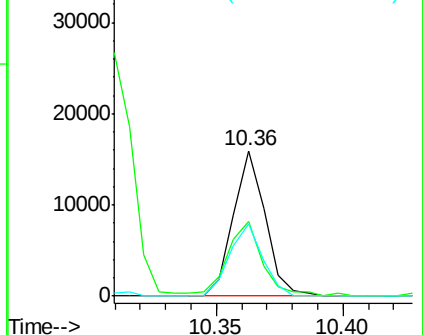


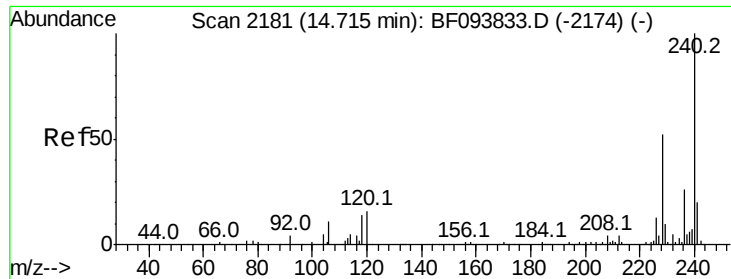
#64
4,6-Dinitro-2-methylphenol
Concen: 3.62 ng
RT: 10.36 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion:198 Resp: 13946
Ion Ratio Lower Upper
198 100
51 51.6 53.2 93.2#
105 49.8 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

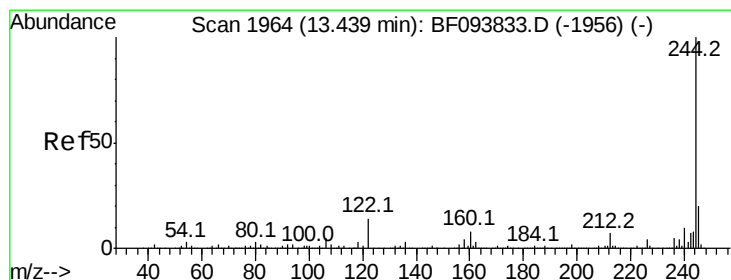
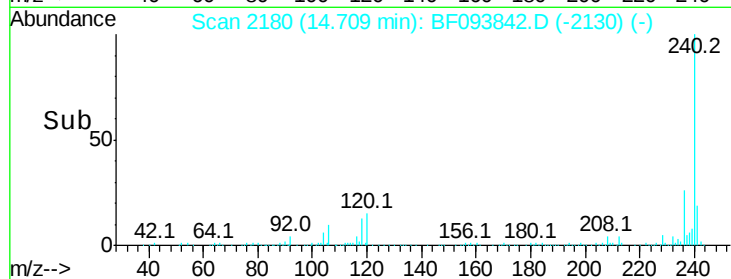
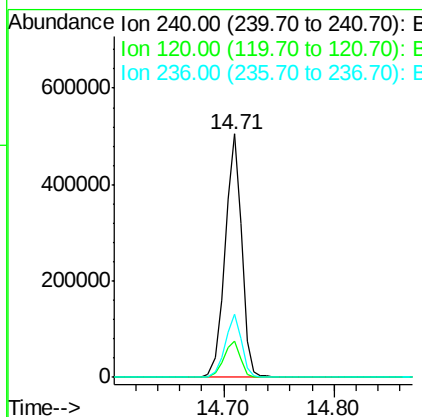
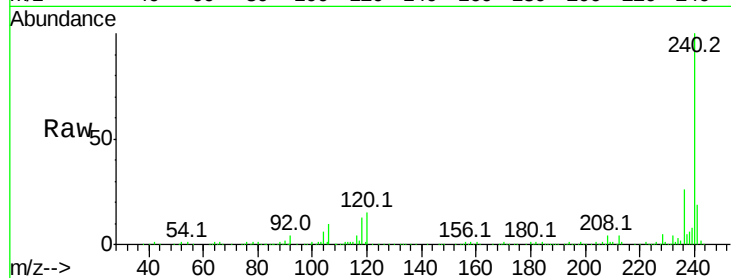




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.71 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

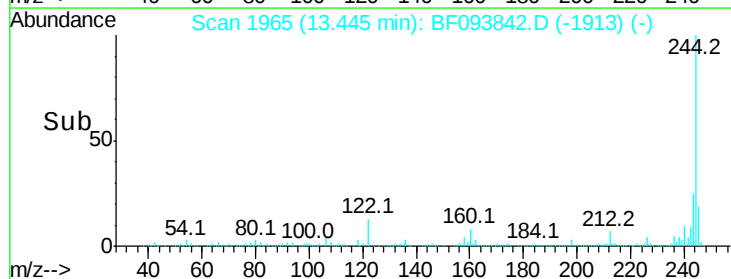
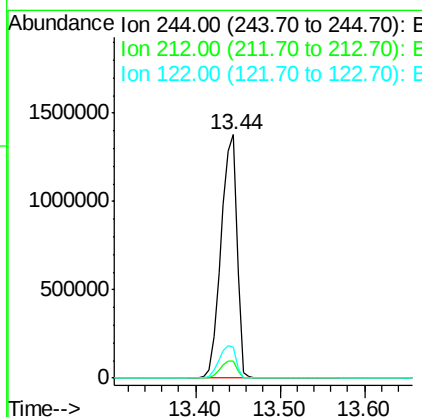
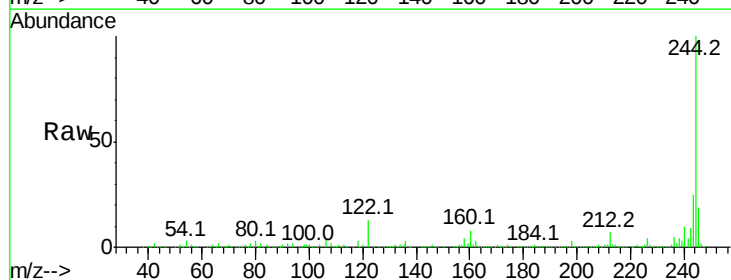
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

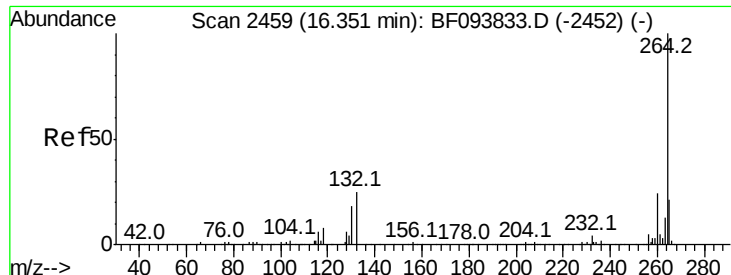
Tot Ion:240 Resp: 531307
 Ion Ratio Lower Upper
 240 100
 120 14.7 5.8 8.8#
 236 25.7 20.5 30.7



#78
 Terphenyl-d14
 Concen: 77.11 ng
 RT: 13.44 min Scan# 1965
 Delta R.T. 0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:244 Resp: 1827802
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.7 10.3 15.5

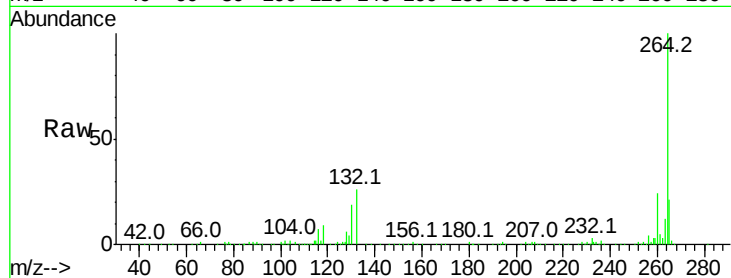




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.34 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	20.5	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

