

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010215\
 Data File : BF076734.D
 Acq On : 2 Jan 2015 20:07
 Operator : IZ / TP
 Sample : G1001-03
 Misc : LOD-SOIL-5PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jan 05 10:29:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 02 22:56:46 2015
 Response via : Initial Calibration

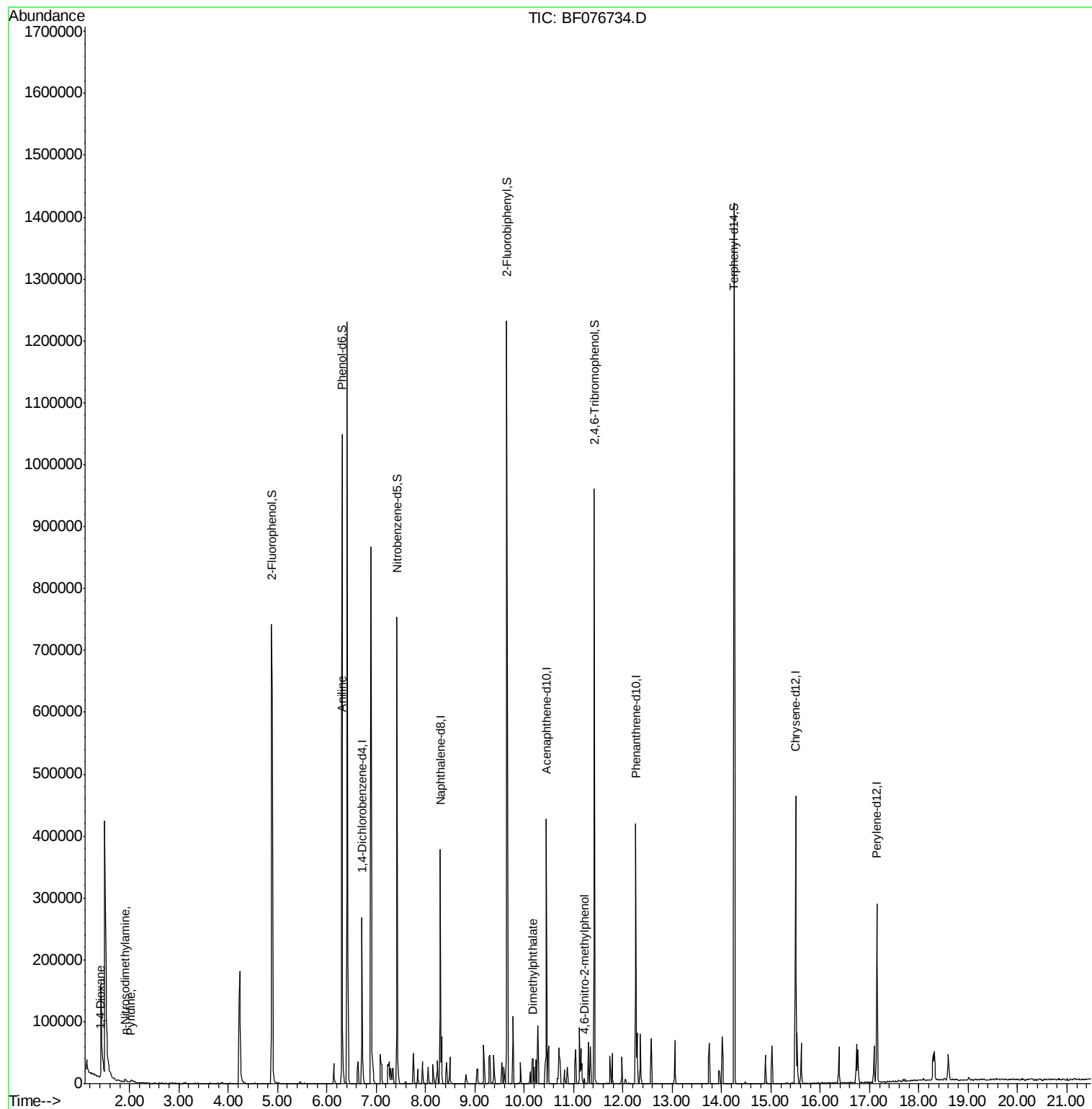
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	42053	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	176462	20.00	ng	0.00
38) Acenaphthene-d10	10.45	164	99180	20.00	ng	-0.01
63) Phenanthrene-d10	12.27	188	174515	20.00	ng	0.00
75) Chrysene-d12	15.50	240	163209	20.00	ng	-0.01
86) Perylene-d12	17.15	264	146014	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	4.88	112	300170	121.01	ng	0.00
7) Phenol-d6	6.31	99	395491	130.54	ng	0.00
23) Nitrobenzene-d5	7.42	82	226615	76.38	ng	0.00
41) 2,4,6-Tribromophenol	11.42	330	97360	116.15	ng	-0.01
44) 2-Fluorobiphenyl	9.65	172	468298	73.48	ng	-0.01
78) Terphenyl-d14	14.25	244	489004	66.09	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.41	88	3883	3.66	ng	Qvalue # 100
3) Pyridine	2.02	79	3980	1.49	ng	93
4) n-Nitrosodimethylamine	1.91	42	4437m	3.44	ng	
6) Aniline	6.30	93	13916m	3.22	ng	
49) Dimethylphthalate	10.17	163	27717	3.95	ng	97
64) 4,6-Dinitro-2-methylphenol	11.21	198	1446	1.32	ng	93

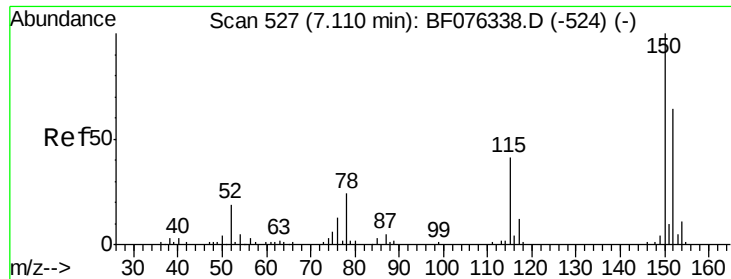
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 05 10:29:42 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 02 22:56:46 2015
Response via : Initial Calibration



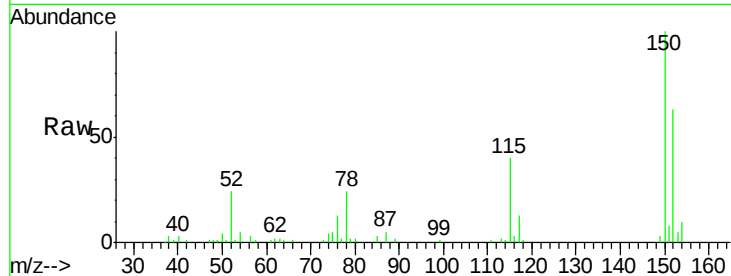


#1

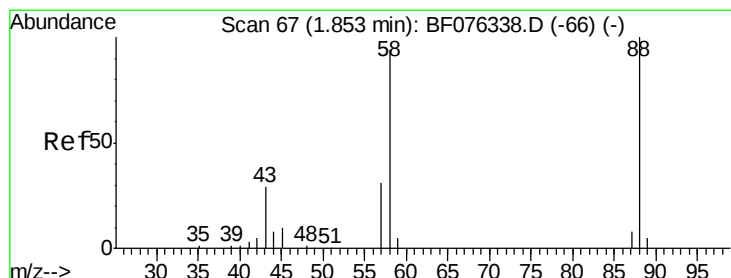
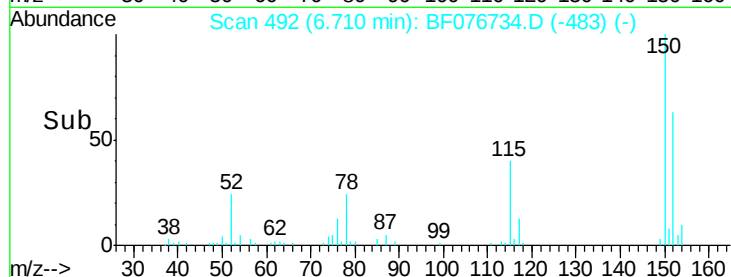
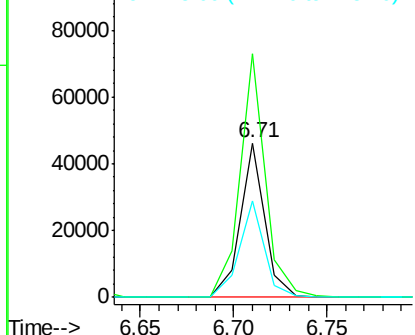
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 492
Delta R.T. 0.00 min
Lab File: BF076734.D
Acq: 2 Jan 2015 20:07

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:152 Resp: 42053
Ion Ratio Lower Upper
152 100
150 158.0 125.2 187.8
115 62.7 51.4 77.0



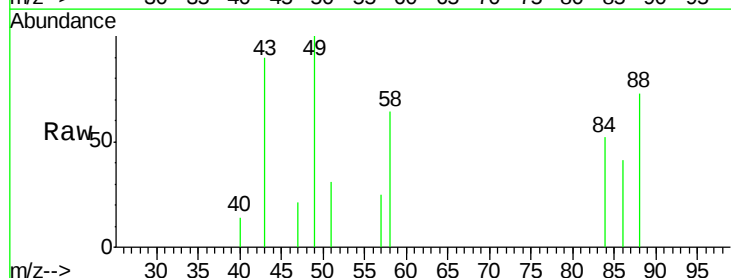
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



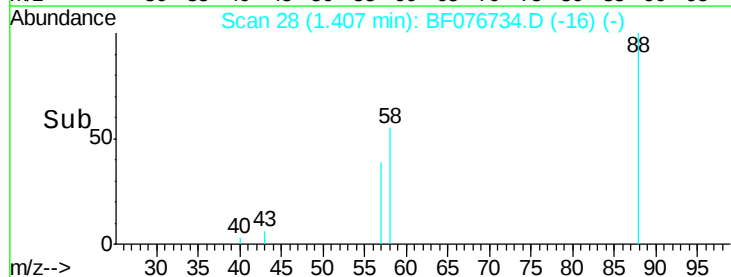
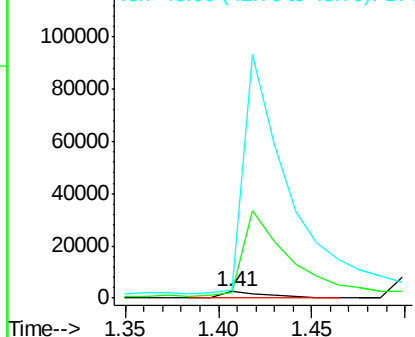
#2

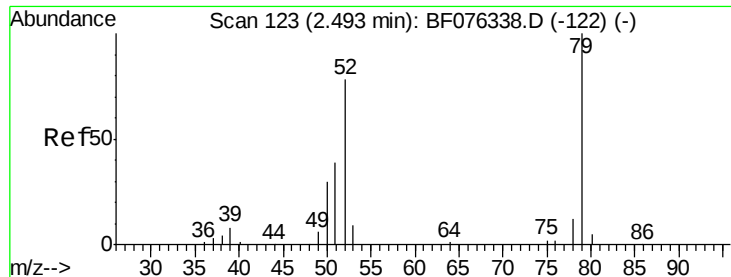
1,4-Dioxane
Concen: 3.66 ng
RT: 1.41 min Scan# 28
Delta R.T. 0.03 min
Lab File: BF076734.D
Acq: 2 Jan 2015 20:07

Tgt Ion: 88 Resp: 3883
Ion Ratio Lower Upper
88 100
58 1684.2 0.0 0.0#
43 4443.5 0.0 0.0#



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

Pvridine

Concen: 1.49 ng

RT: 2.02 min Scan# 82

Delta R.T. 0.14 min

Lab File: BF076734.D

Acq: 2 Jan 2015 20:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

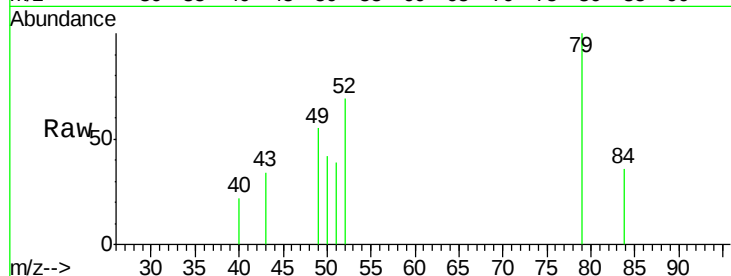
Tot Ion: 79 Resp: 3980

Ion Ratio Lower Upper

79 100

52 69.1 62.2 93.4

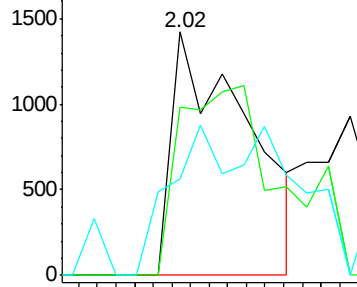
51 39.4 32.1 48.1



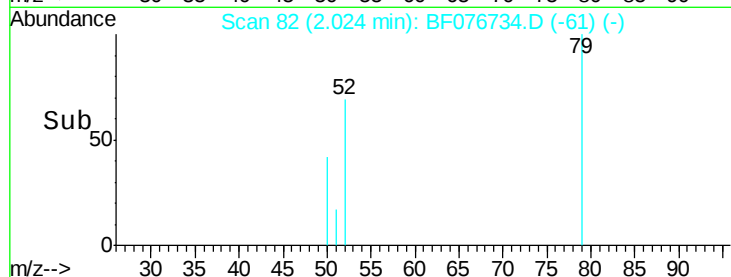
Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



Time-->



#4

n-Nitrosodimethylamine

Concen: 3.44 ng m

RT: 1.91 min Scan# 72

Delta R.T. 0.07 min

Lab File: BF076734.D

Acq: 2 Jan 2015 20:07

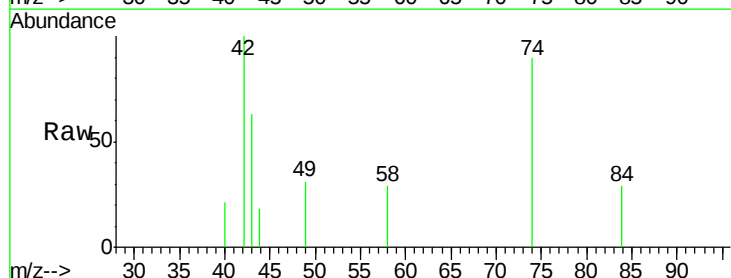
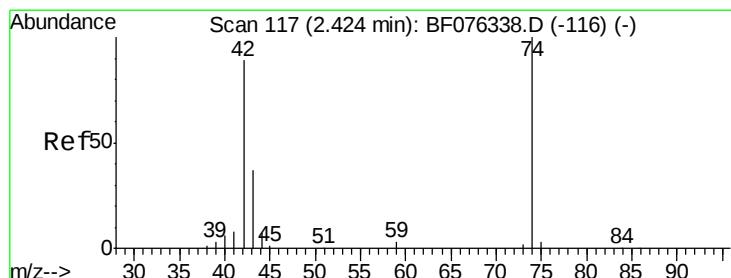
Tgt Ion: 42 Resp: 4437

Ion Ratio Lower Upper

42 100

74 89.9 89.9 134.9#

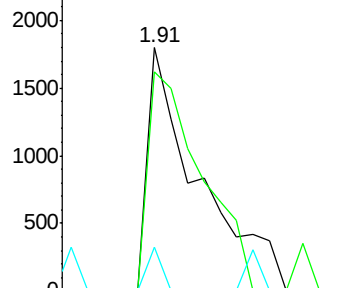
44 17.8 6.4 9.6#



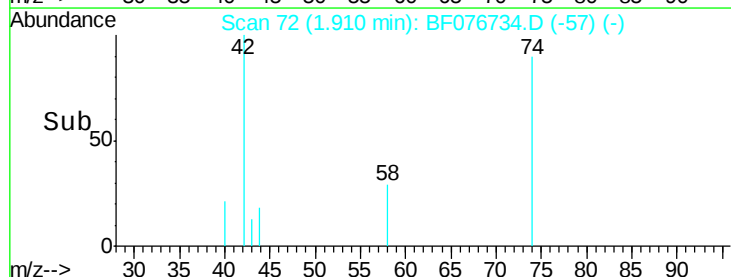
Abundance Ion 42.00 (41.70 to 42.70): BF0

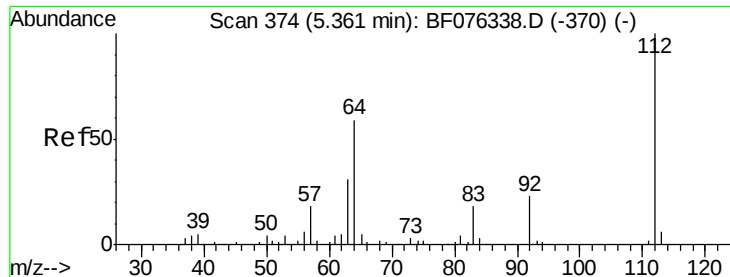
Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



Time-->





#5

2-Fluorophenol

Concen: 121.01 ng

RT: 4.88 min Scan# 332

Delta R.T. 0.00 min

Lab File: BF076734.D

Acq: 2 Jan 2015 20:07

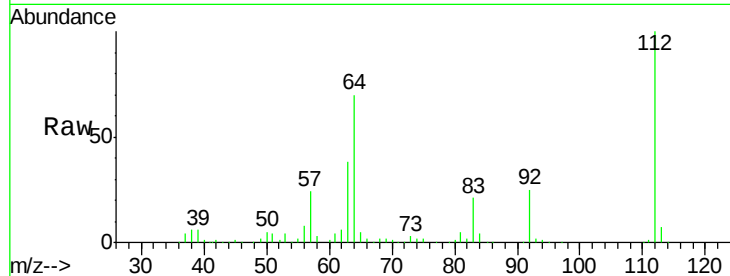
Instrument :

BNA_F

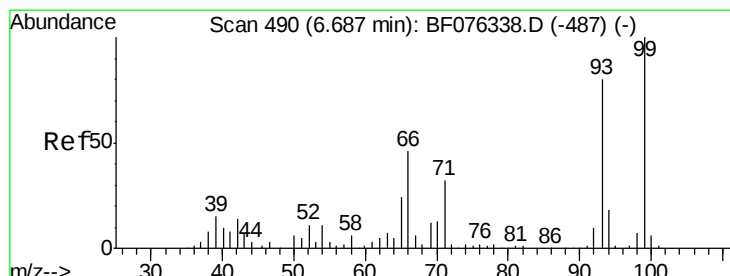
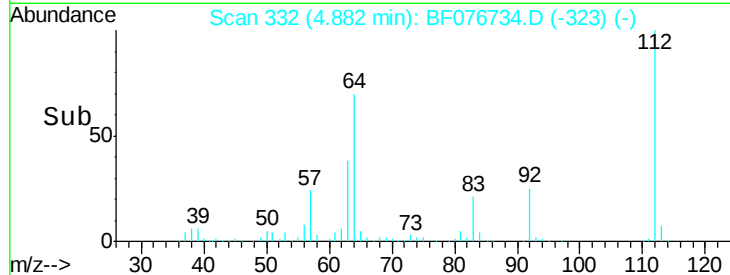
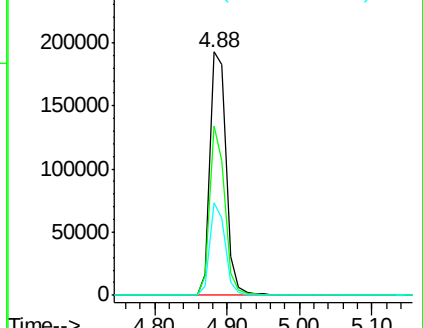
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	112	Resp:	300170
Ion	Ratio	Lower	Upper
112	100		
64	69.7	47.4	71.0
63	38.3	25.0	37.4#



Abundance Ion 112.00 (111.70 to 112.70): BF076734.D (-332) (-)



#6

Aniline

Concen: 3.22 ng m

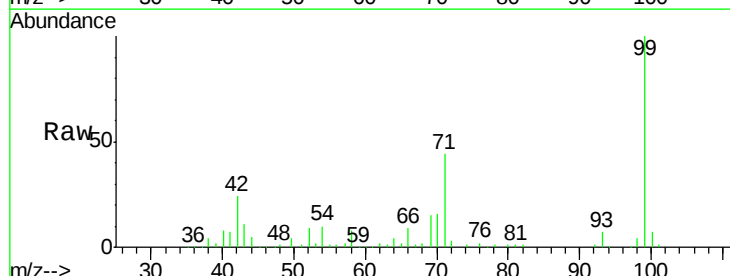
RT: 6.30 min Scan# 456

Delta R.T. 0.01 min

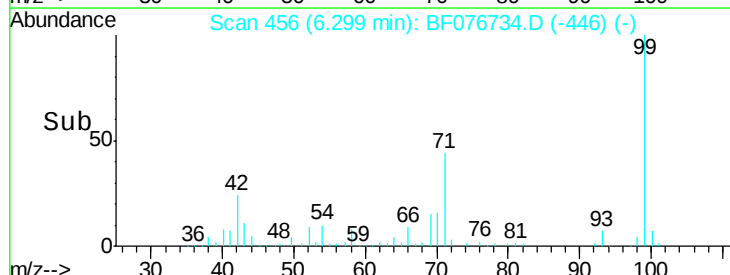
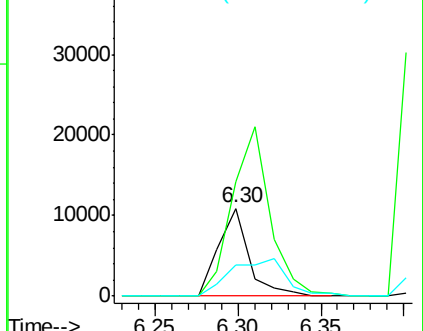
Lab File: BF076734.D

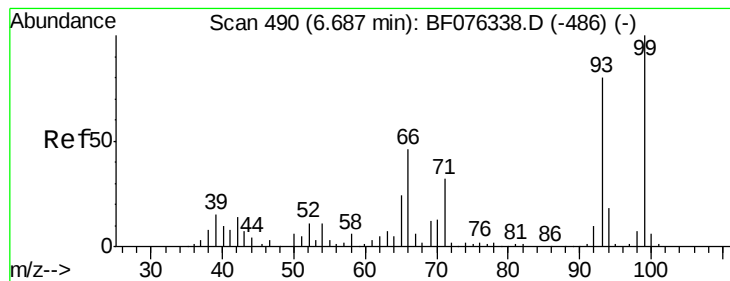
Acq: 2 Jan 2015 20:07

Tgt Ion:	93	Resp:	13916
Ion	Ratio	Lower	Upper
93	100		
66	129.6	45.7	68.5#
65	35.0	24.3	36.5



Abundance Ion 93.00 (92.70 to 93.70): BF076734.D (-446) (-)





#7

Phenol-d6

Concen: 130.54 ng

RT: 6.31 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF076734.D

Acq: 2 Jan 2015 20:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

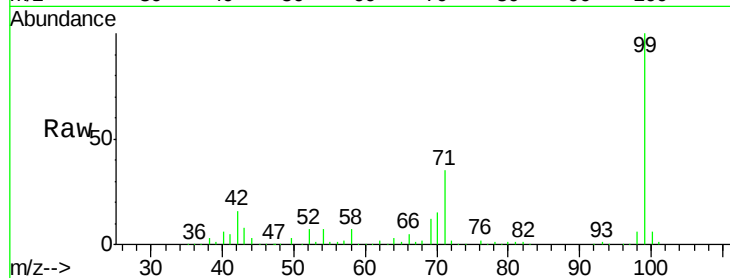
Tot Ion: 99 Resp: 395491

Ion Ratio Lower Upper

99 100

42 16.4 11.6 17.4

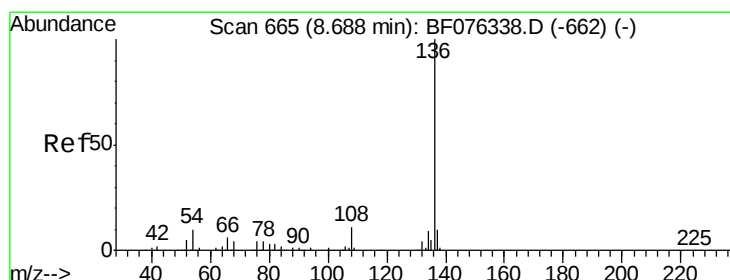
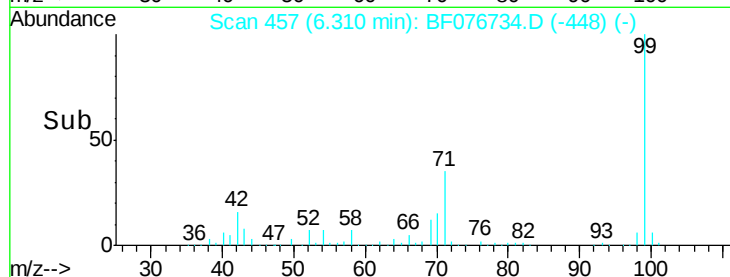
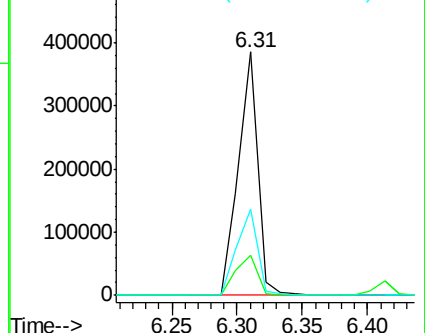
71 35.3 25.9 38.9



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: 8.30 min Scan# 631

Delta R.T. 0.00 min

Lab File: BF076734.D

Acq: 2 Jan 2015 20:07

Tgt Ion: 136 Resp: 176462

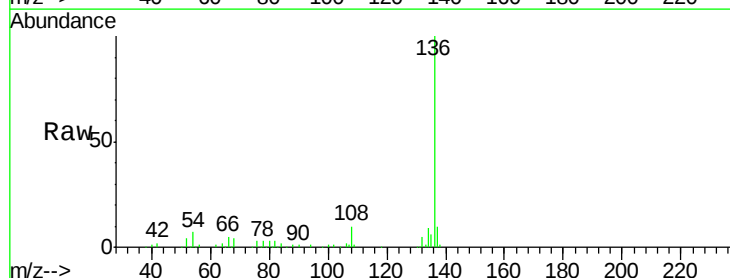
Ion Ratio Lower Upper

136 100

137 10.3 8.4 12.6

54 7.2 7.8 11.6#

68 4.2 3.4 5.2

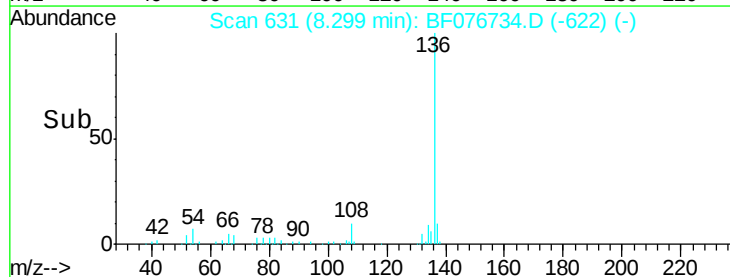
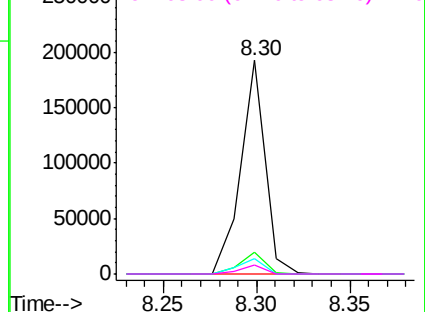


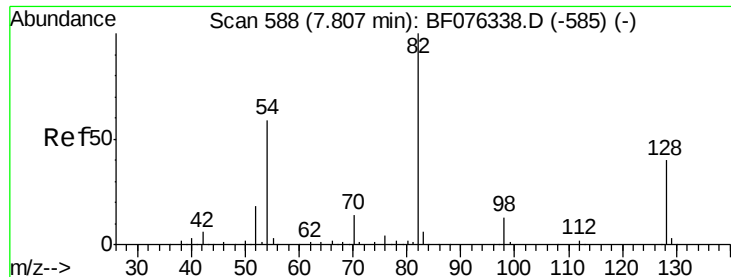
Abundance Ion 136.00 (135.70 to 136.70): E

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

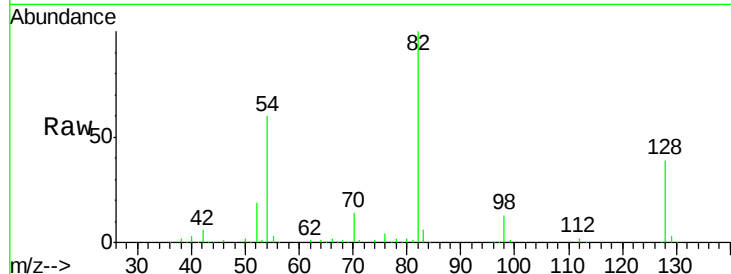




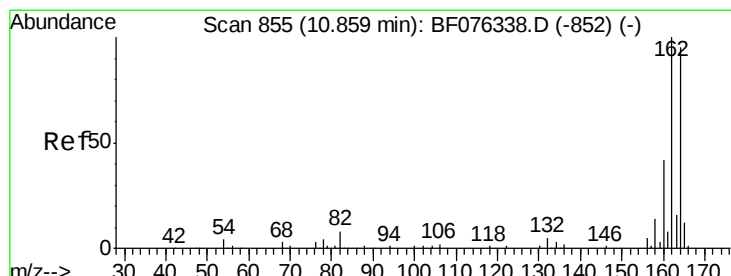
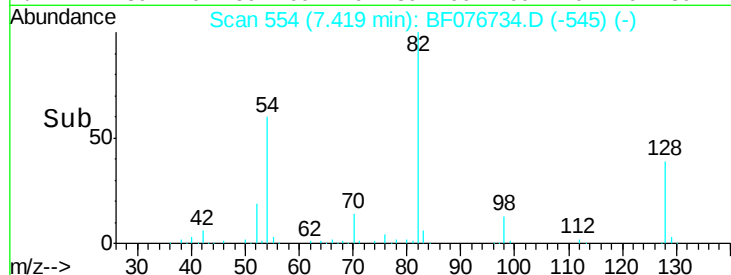
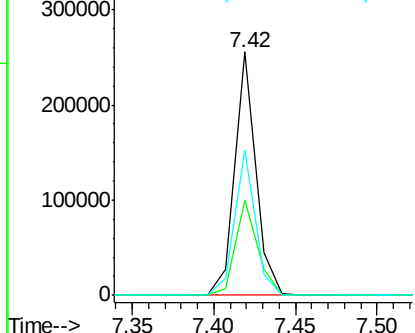
#23
 Nitrobenzene-d5
 Concen: 76.38 ng
 RT: 7.42 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF076734.D
 Acq: 2 Jan 2015 20:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	82	Resp	226615
Ion Ratio	Lower	Upper	
82	100		
128	39.1	31.9	47.9
54	59.6	47.2	70.8

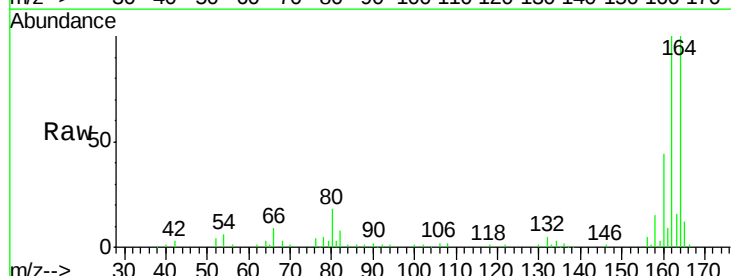


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

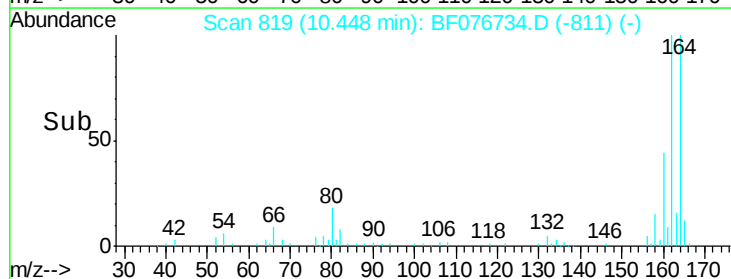
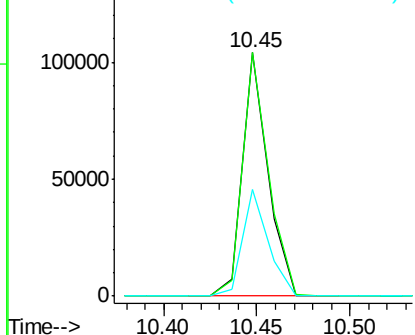


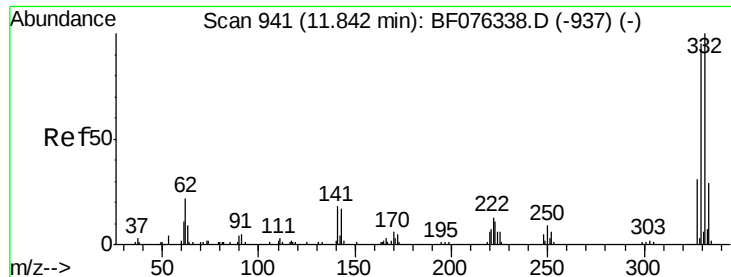
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.45 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF076734.D
 Acq: 2 Jan 2015 20:07

Tgt Ion	164	Resp	99180
Ion Ratio	Lower	Upper	
164	100		
162	100.0	84.2	126.2
160	43.6	35.5	53.3



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

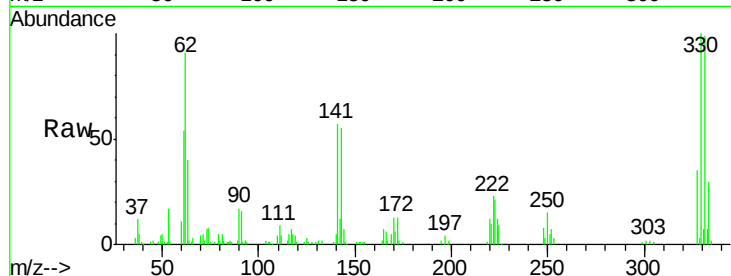




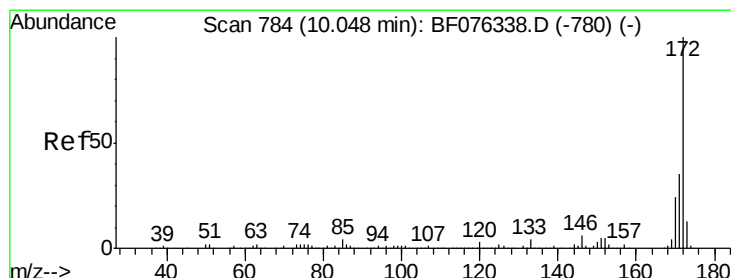
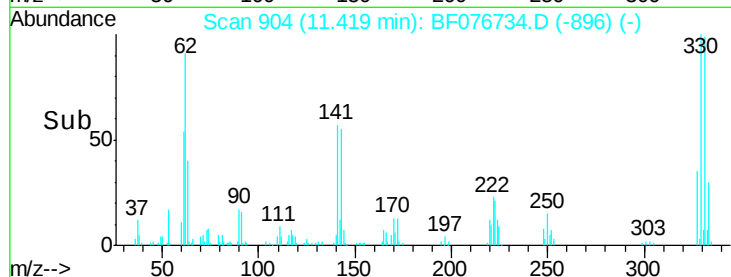
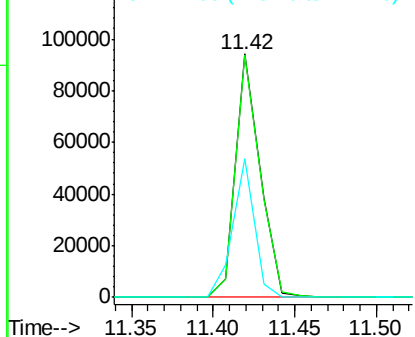
#41
 2,4,6-Tribromophenol
 Concen: 116.15 ng
 RT: 11.42 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF076734.D
 Acq: 2 Jan 2015 20:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.2	0.0	0.0#
141	50.3	0.0	0.0#

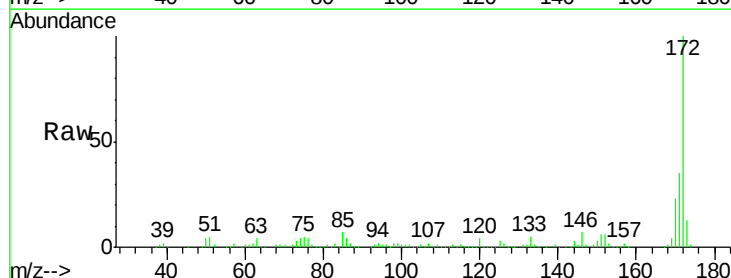


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

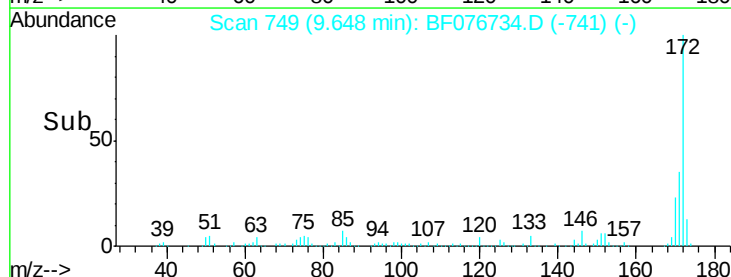
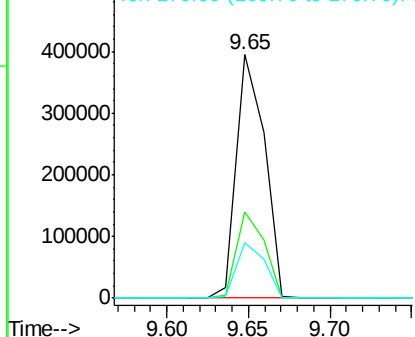


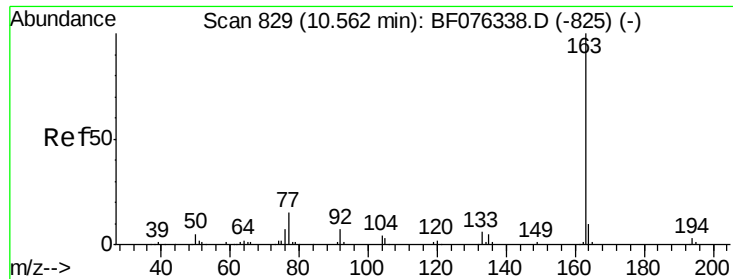
#44
 2-Fluorobiphenyl
 Concen: 73.48 ng
 RT: 9.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF076734.D
 Acq: 2 Jan 2015 20:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.8	41.8
170	22.8	19.0	28.4



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

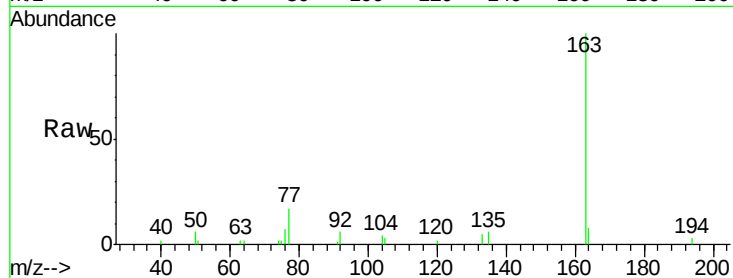




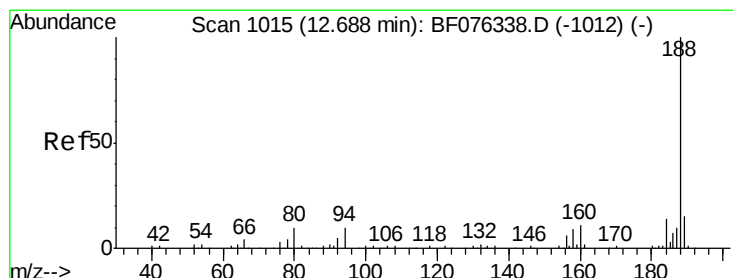
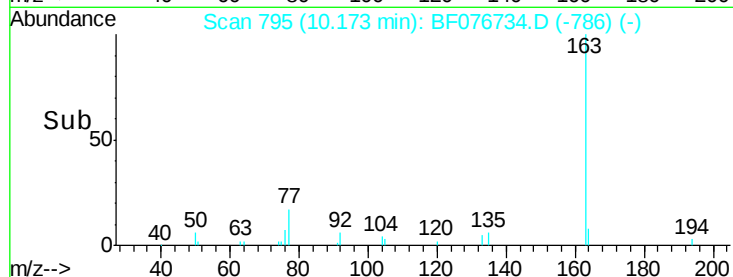
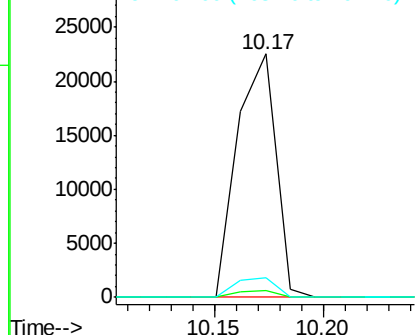
#49
Dimethylphthalate
Concen: 3.95 ng
RT: 10.17 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF076734.D
Acq: 2 Jan 2015 20:07

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:163 Resp: 27717
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 8.0 7.7 11.5

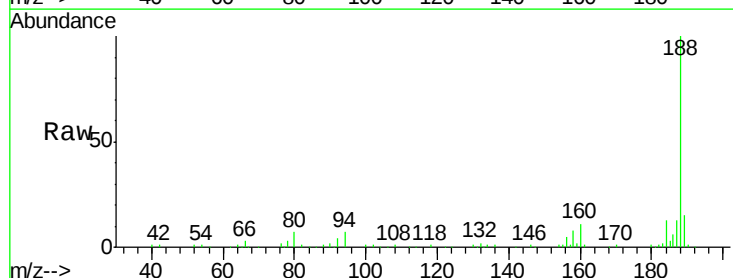


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

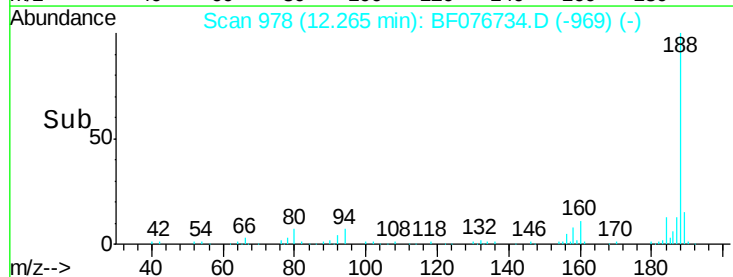
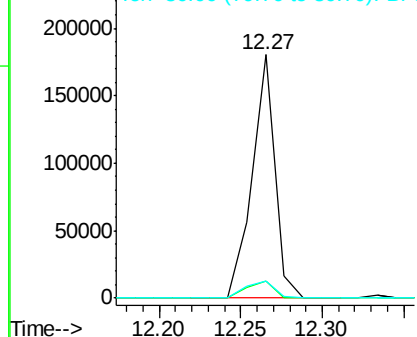


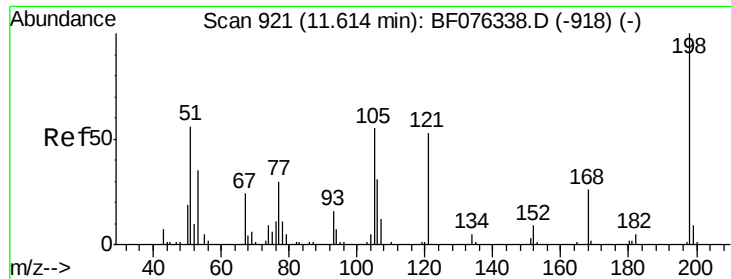
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.27 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF076734.D
Acq: 2 Jan 2015 20:07

Tgt Ion:188 Resp: 174515
Ion Ratio Lower Upper
188 100
94 6.9 7.9 11.9#
80 6.8 8.2 12.2#



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

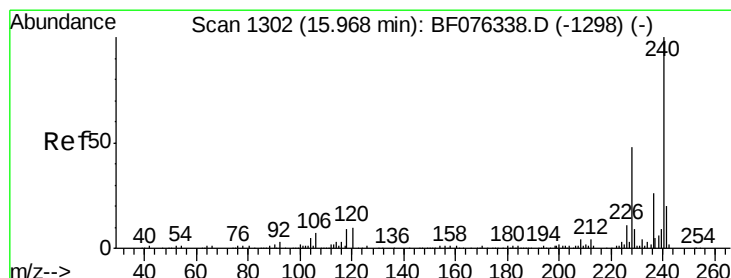
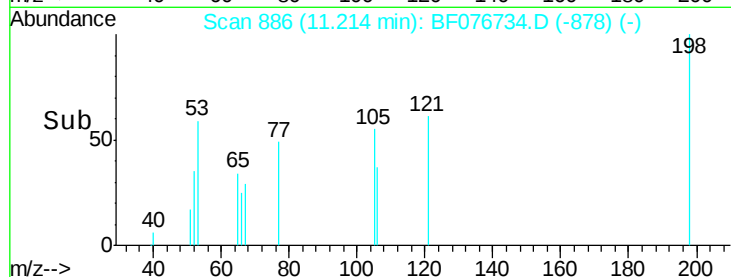
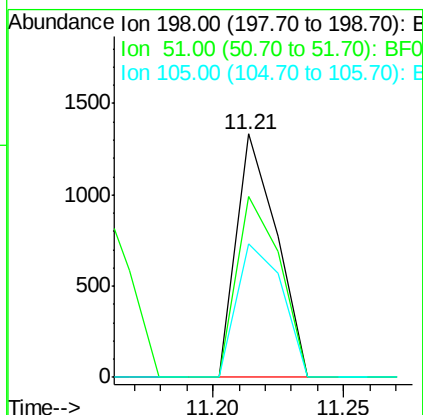
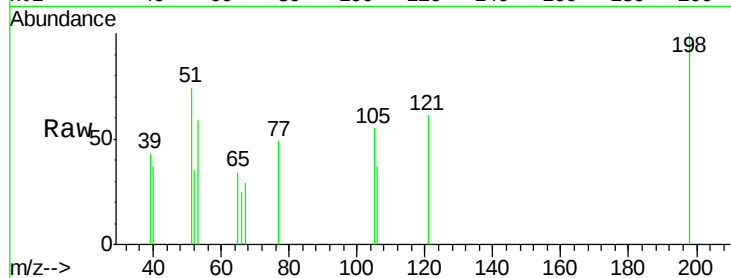




#64
 4,6-Dinitro-2-methylphenol
 Concen: 1.32 ng
 RT: 11.21 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF076734.D
 Acq: 2 Jan 2015 20:07

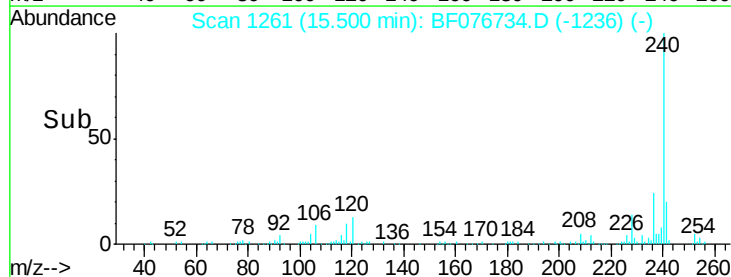
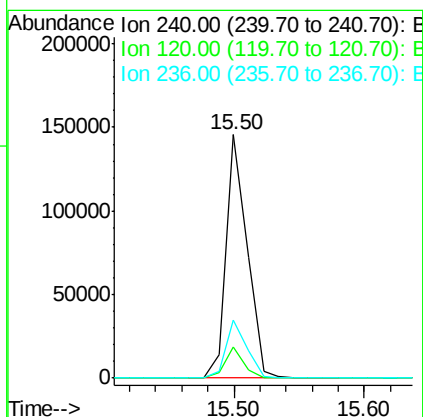
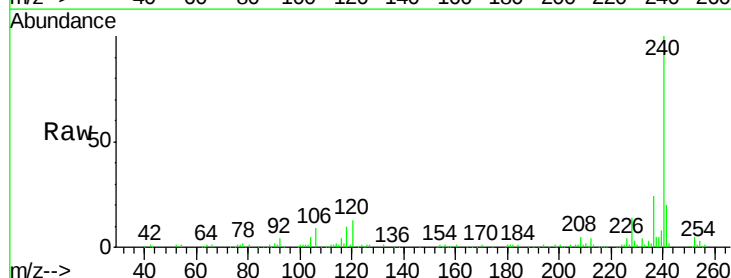
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

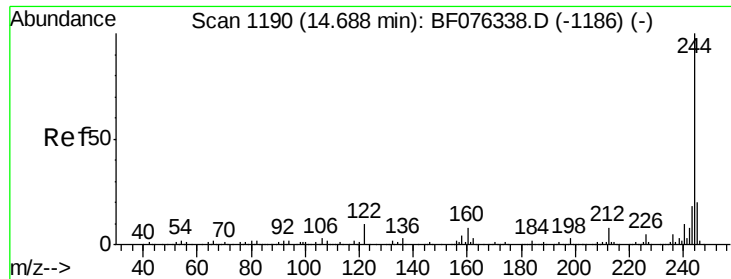
Tot Ion:198 Resp: 1446
 Ion Ratio Lower Upper
 198 100
 51 74.3 45.3 85.3
 105 54.9 36.3 76.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BF076734.D
 Acq: 2 Jan 2015 20:07

Tgt Ion:240 Resp: 163209
 Ion Ratio Lower Upper
 240 100
 120 12.8 8.0 12.0#
 236 23.9 20.6 30.8

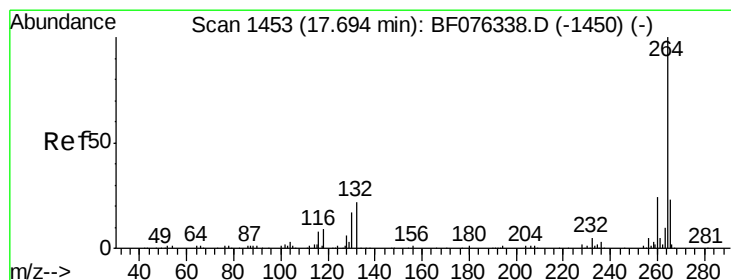
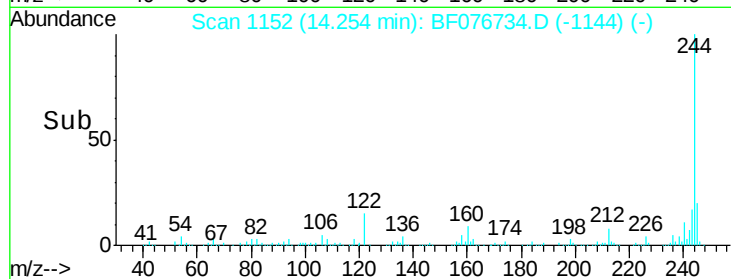
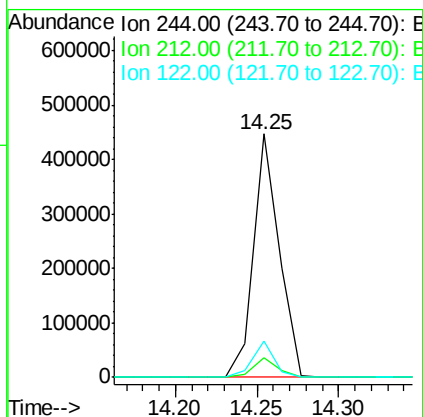
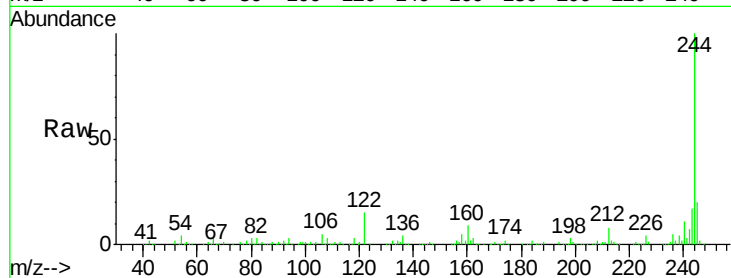




#78
 Terphenyl-d14
 Concen: 66.09 ng
 RT: 14.25 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF076734.D
 Acq: 2 Jan 2015 20:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:244 Resp: 489004
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.2 9.2
 122 14.9 8.2 12.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.15 min Scan# 1405
 Delta R.T. -0.07 min
 Lab File: BF076734.D
 Acq: 2 Jan 2015 20:07

Tgt Ion:264 Resp: 146014
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 21.1 18.1 27.1

