

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
 Data File : BF077995.D
 Acq On : 26 Mar 2015 15:10
 Operator : TP/IZ
 Sample : G1614-03
 Misc : LOD-SOIL-2PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Mar 27 00:17:00 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 00:54:57 2015
 Response via : Initial Calibration

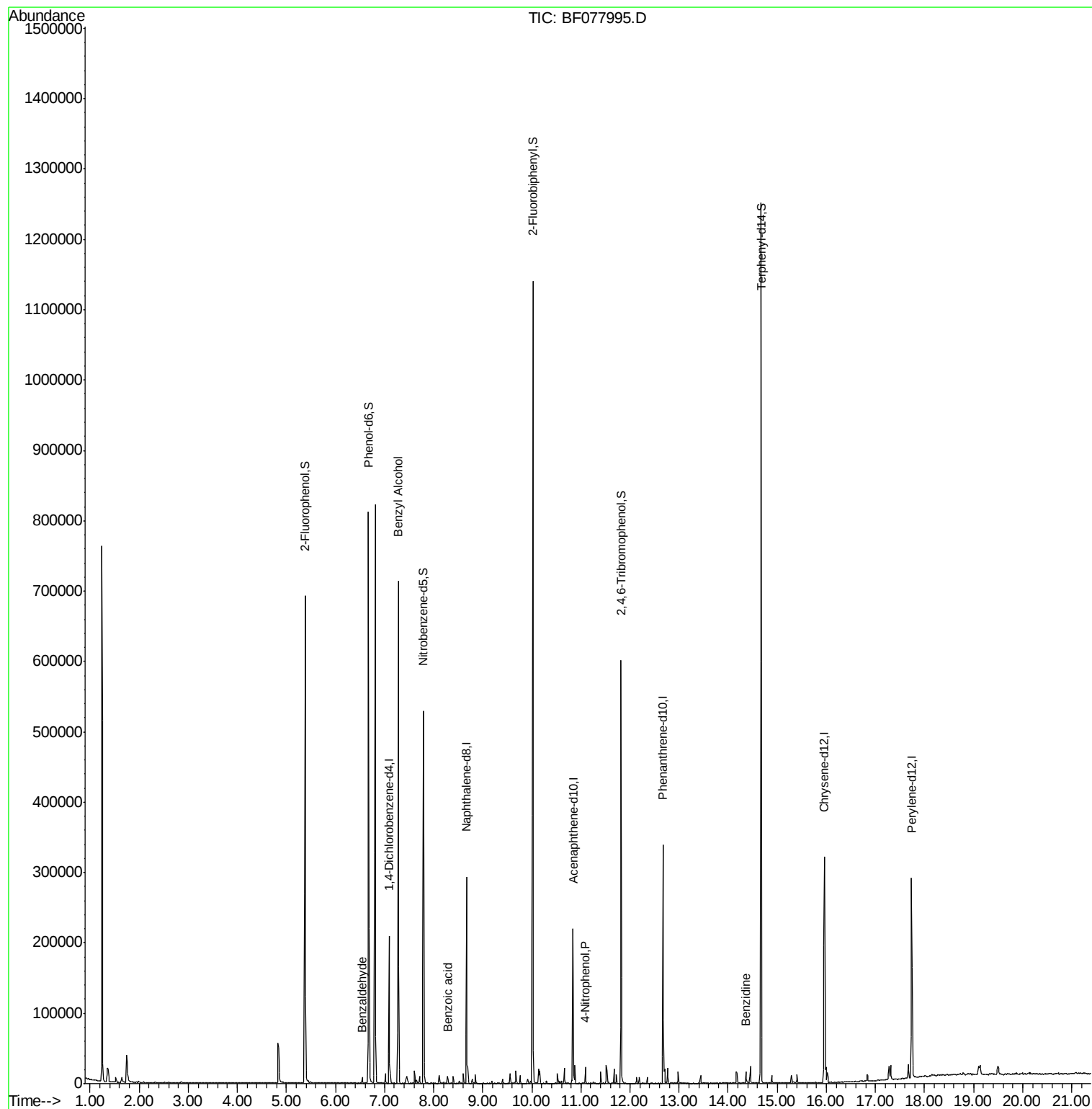
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	34018	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	140384	20.00	ng	0.00
38) Acenaphthene-d10	10.84	164	67959	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	136363	20.00	ng	-0.01
75) Chrysene-d12	15.96	240	148079	20.00	ng	-0.05
86) Perylene-d12	17.73	264	140489	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	239030	122.65	ng	0.00
7) Phenol-d6	6.67	99	287892	119.56	ng	-0.01
23) Nitrobenzene-d5	7.79	82	174925	81.68	ng	0.00
41) 2,4,6-Tribromophenol	11.81	330	71486	109.94	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	390383	84.42	ng	0.00
78) Terphenyl-d14	14.67	244	478962	79.01	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.54	77	2365	2.40	ng	Qvalue 89
15) Benzyl Alcohol	7.28	79	5104	2.72	ng	# 49
32) Benzoic acid	8.28	122	2795	5.37	ng	# 13
55) 4-Nitrophenol	11.09	139	3528	3.93	ng	# 18
76) Benzidine	14.36	184	11825	2.77	ng	98

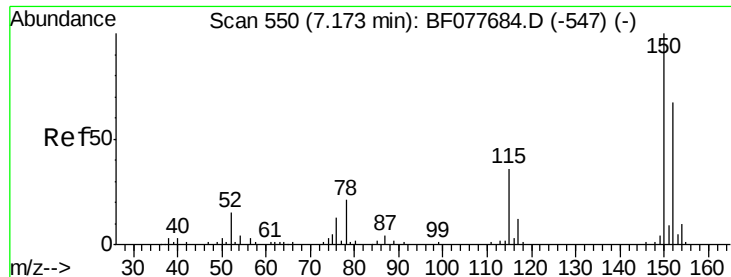
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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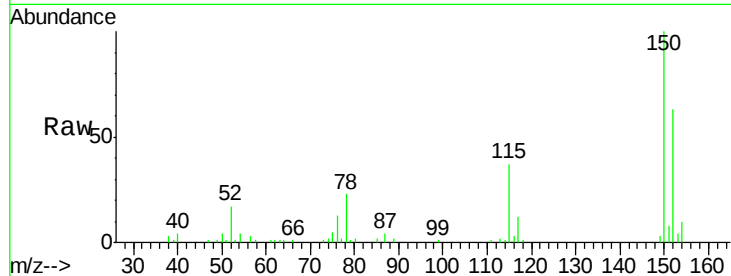


#1

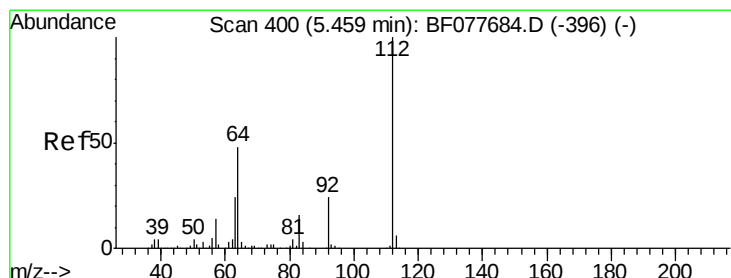
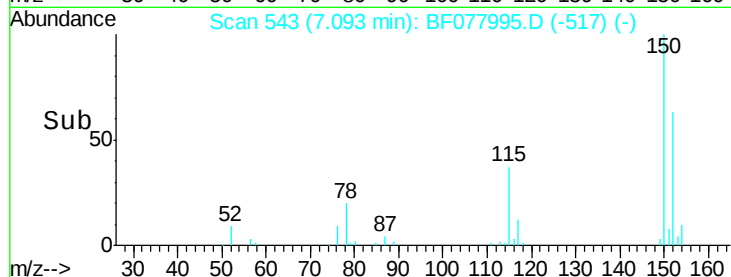
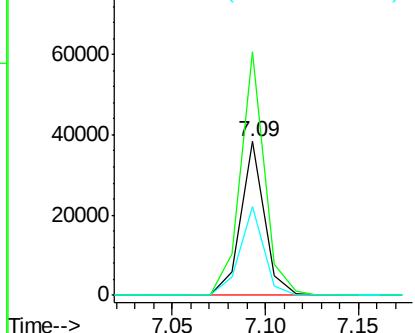
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:152 Resp: 34018
Ion Ratio Lower Upper
152 100
150 158.2 119.5 179.3
115 57.9 43.0 64.4



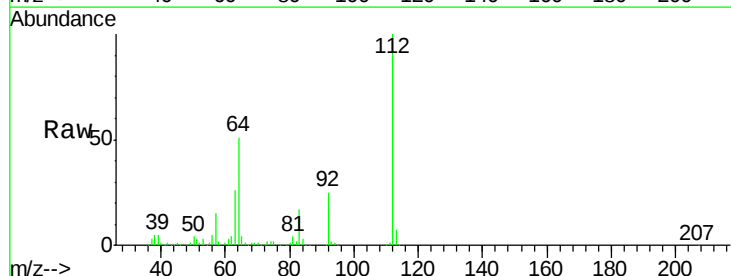
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



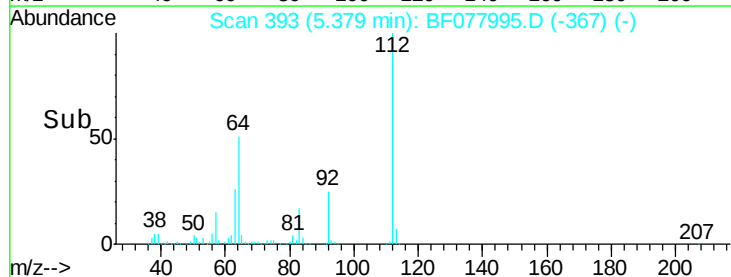
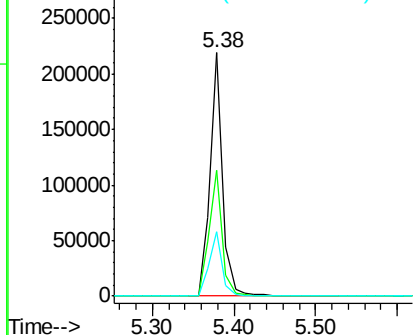
#5

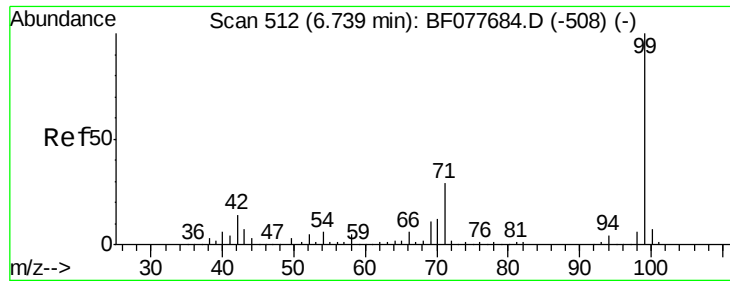
2-Fluorophenol
Concen: 122.65 ng
RT: 5.38 min Scan# 393
Delta R.T. 0.00 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

Tgt Ion:112 Resp: 239030
Ion Ratio Lower Upper
112 100
64 51.5 38.6 57.8
63 26.4 19.3 28.9



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: 119.56 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: BF077995.D

Acq: 26 Mar 2015 15:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

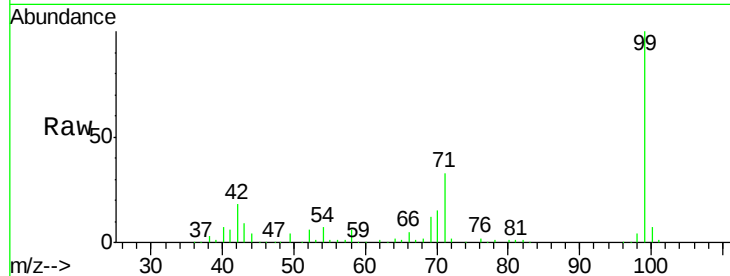
Tgt Ion: 99 Resp: 287892

Ion Ratio Lower Upper

99 100

42 17.8 11.0 16.4#

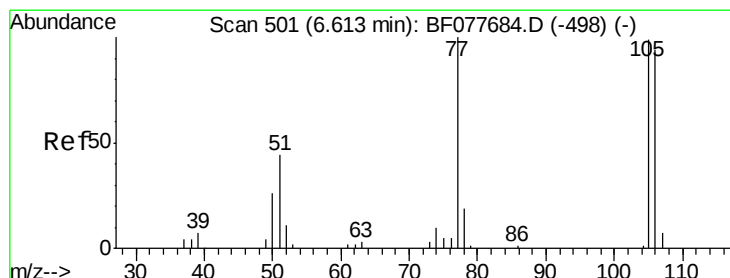
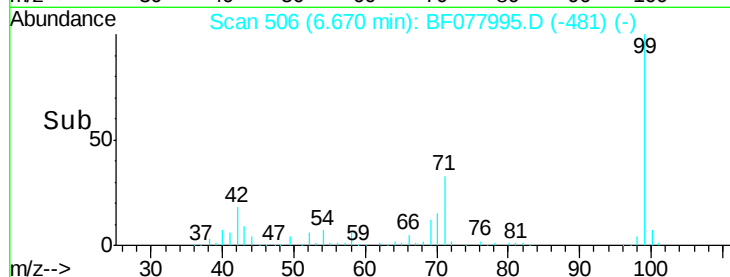
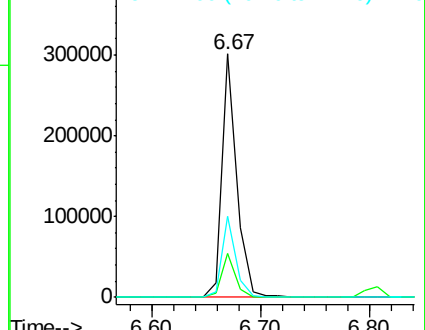
71 33.5 23.4 35.2



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



#9

Benzaldehyde

Concen: 2.40 ng

RT: 6.54 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF077995.D

Acq: 26 Mar 2015 15:10

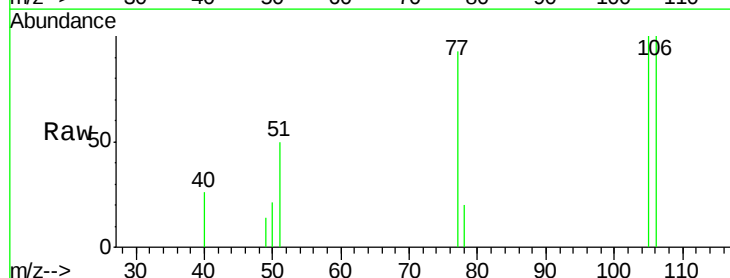
Tgt Ion: 77 Resp: 2365

Ion Ratio Lower Upper

77 100

105 107.2 78.8 118.8

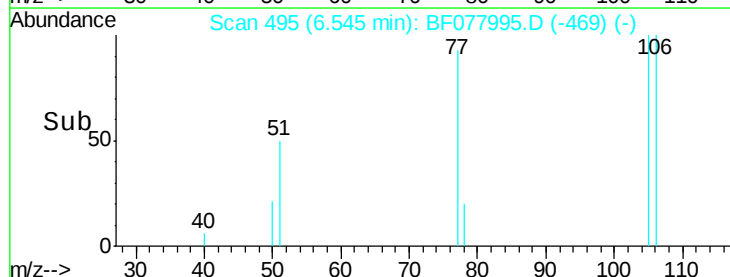
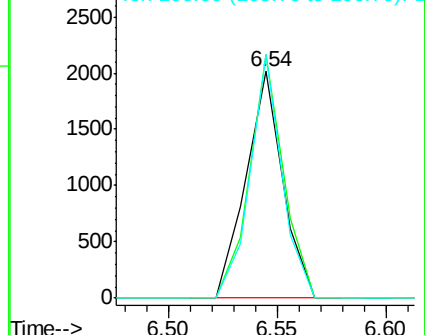
106 107.3 73.7 113.7

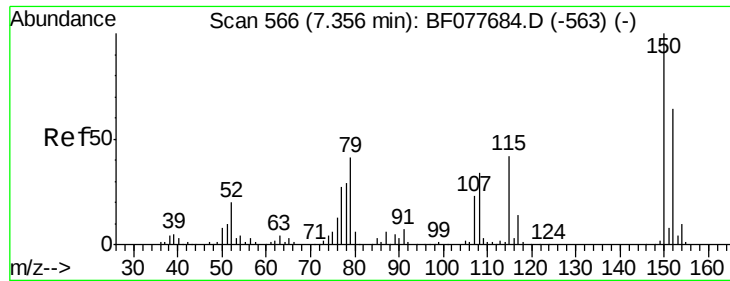


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.72 ng

RT: 7.28 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF077995.D

Acq: 26 Mar 2015 15:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

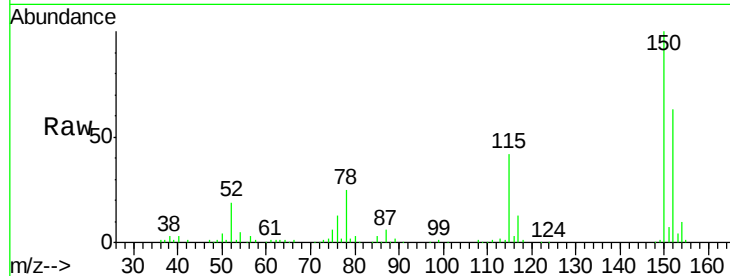
Tgt Ion: 79 Resp: 5104

Ion Ratio Lower Upper

79 100

108 31.2 65.0 97.4#

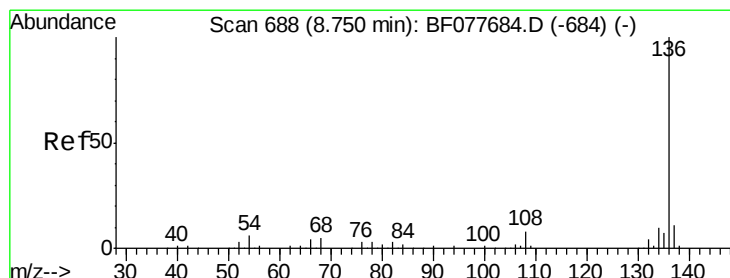
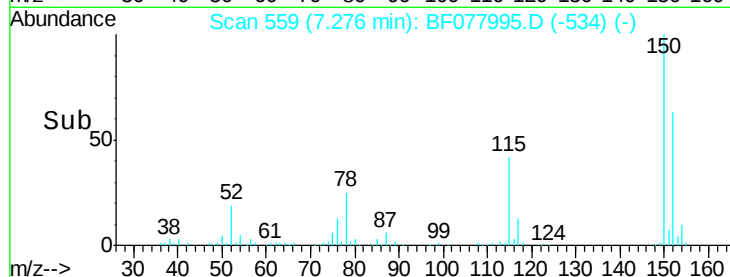
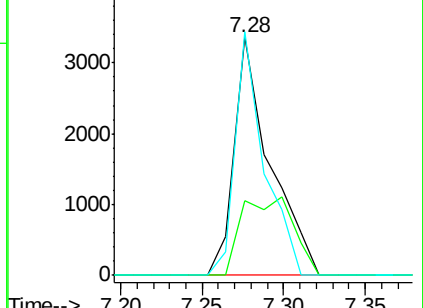
77 102.1 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.67 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF077995.D

Acq: 26 Mar 2015 15:10

Tgt Ion: 136 Resp: 140384

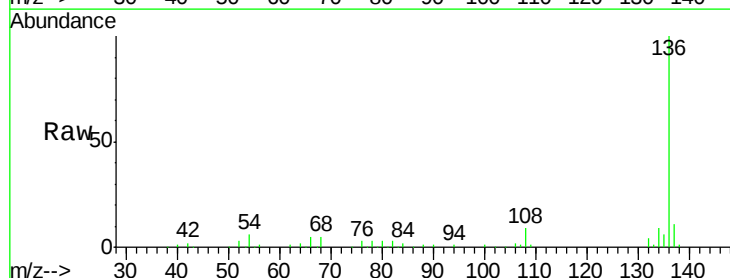
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 6.1 4.6 6.8

68 5.4 3.7 5.5

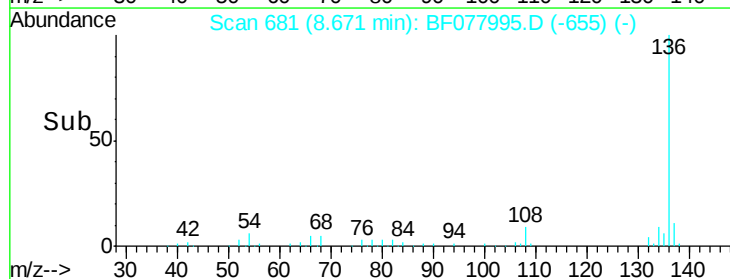
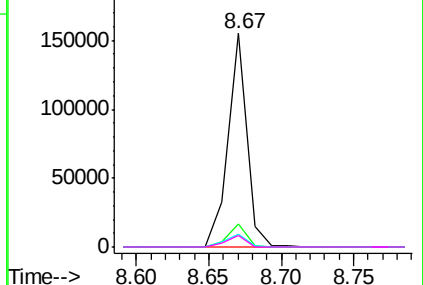


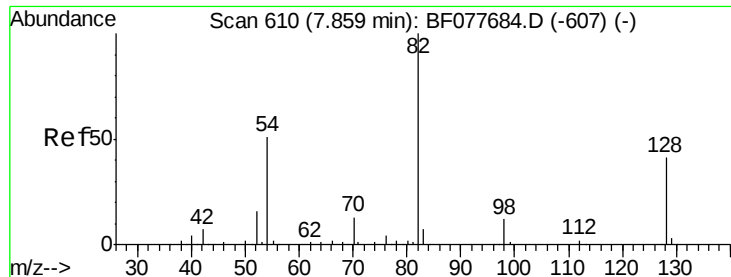
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

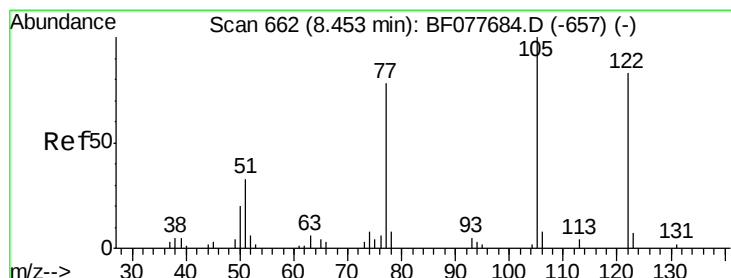
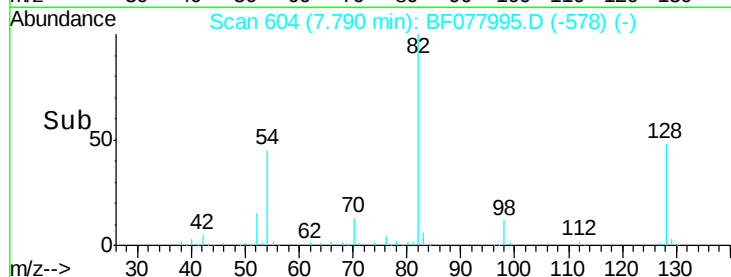
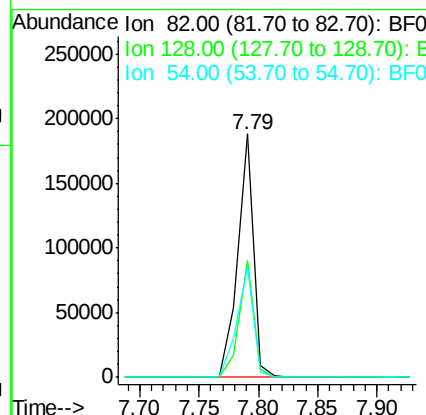
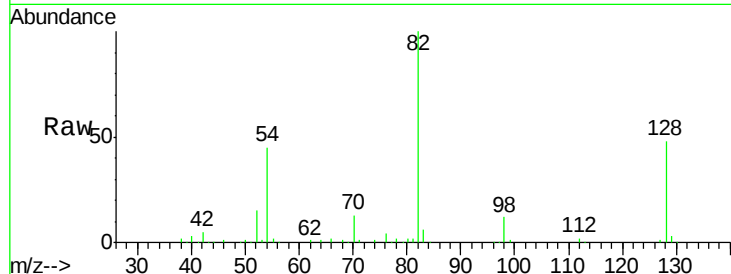




#23
 Nitrobenzene-d5
 Concen: 81.68 ng
 RT: 7.79 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

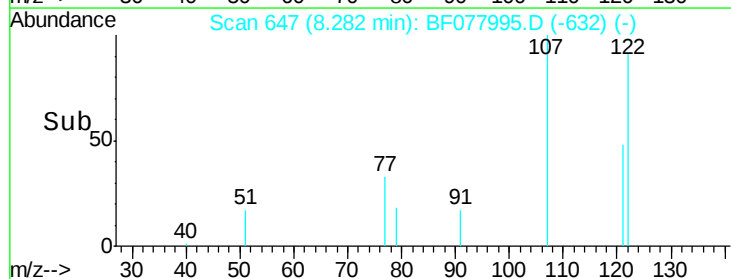
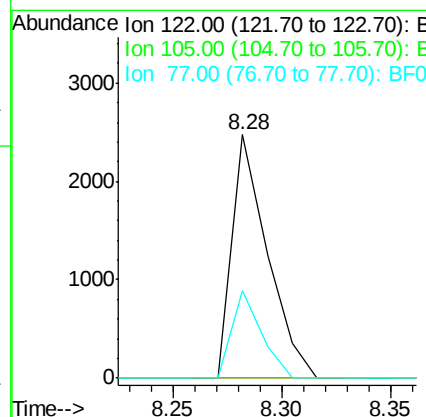
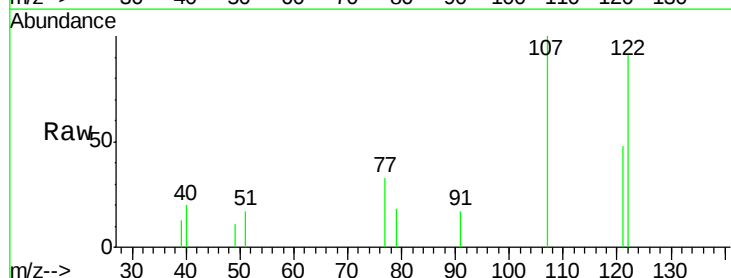
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

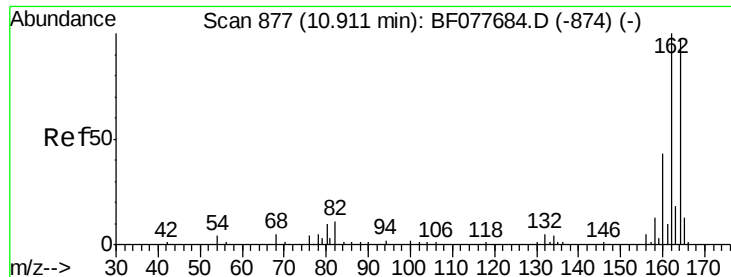
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.8	32.8	49.2
54	45.4	40.6	60.8



#32
 Benzoic acid
 Concen: 5.37 ng
 RT: 8.28 min Scan# 647
 Delta R.T. -0.13 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	99.9	139.9#
77	35.8	73.7	113.7#

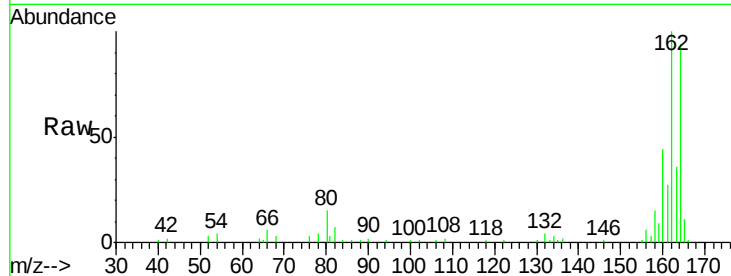




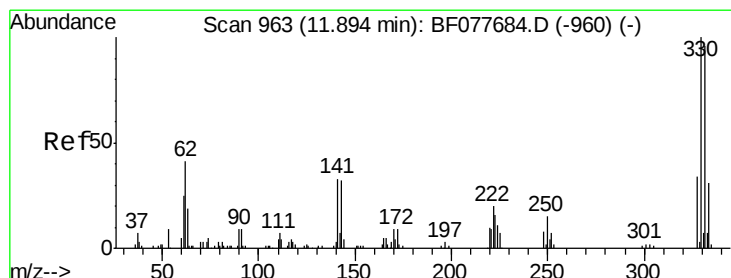
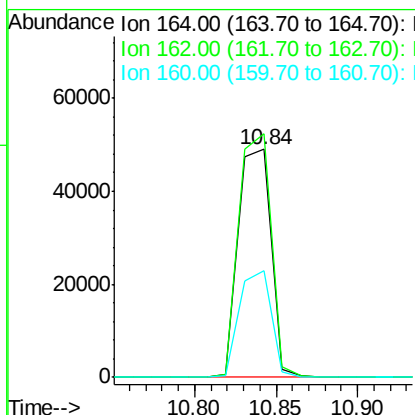
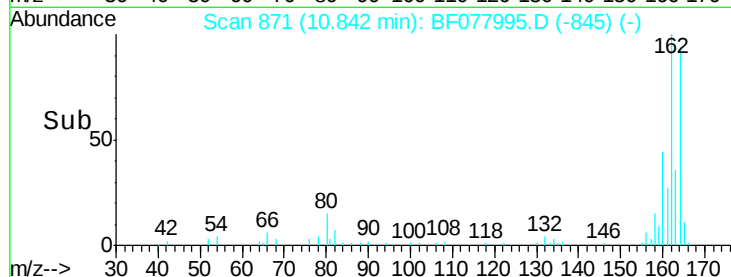
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.84 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:164 Resp: 67959
 Ion Ratio Lower Upper
 164 100
 162 106.8 82.4 123.6
 160 46.8 35.8 53.6

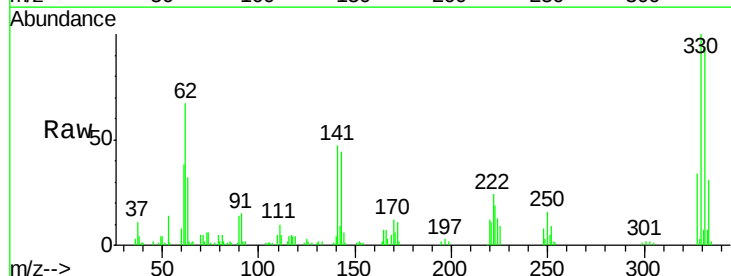


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

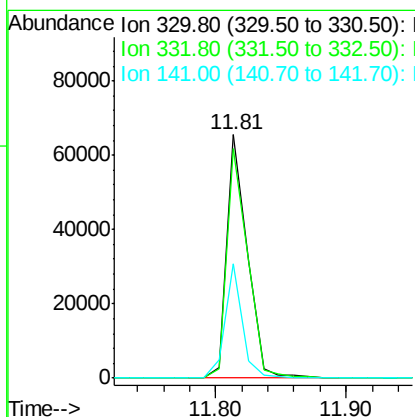
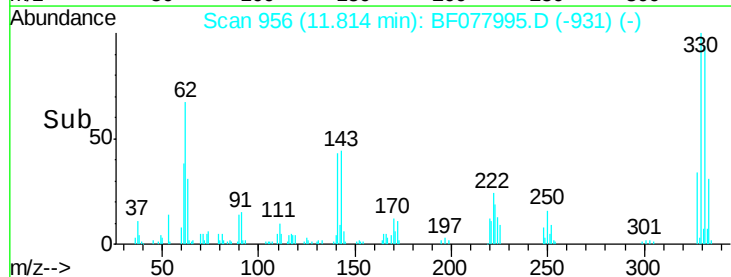


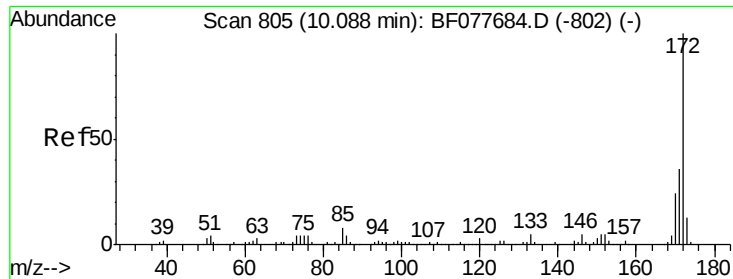
#41
 2,4,6-Tribromophenol
 Concen: 109.94 ng
 RT: 11.81 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

Tgt Ion:330 Resp: 71486
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 39.4 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

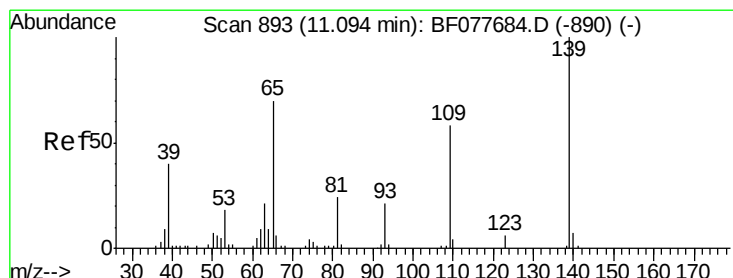
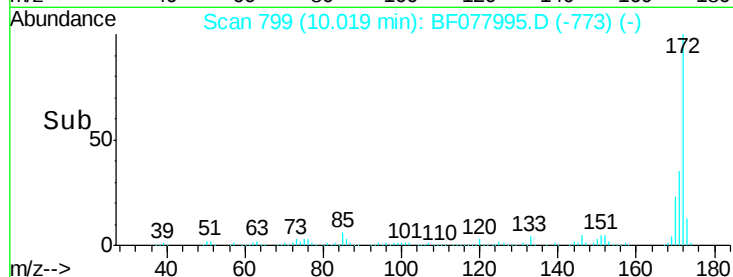
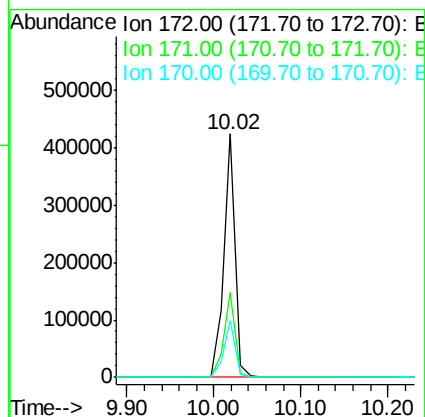
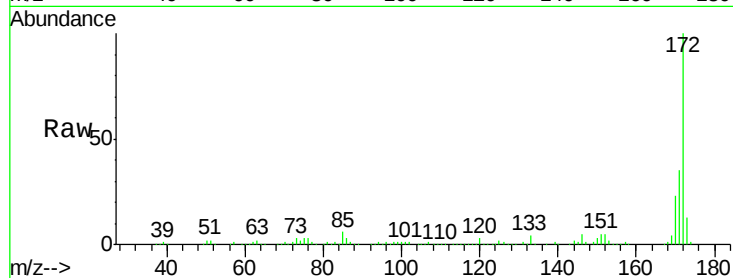




#44
 2-Fluorobiphenyl
 Concen: 84.42 ng
 RT: 10.02 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

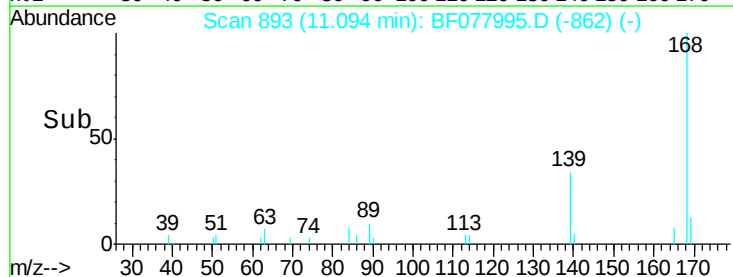
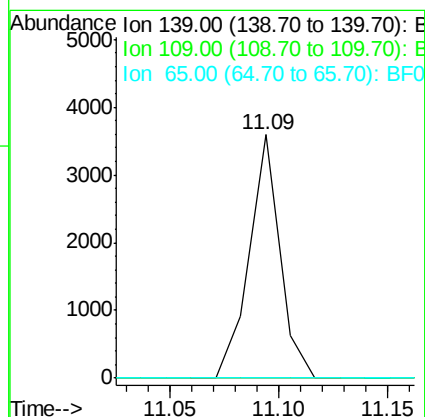
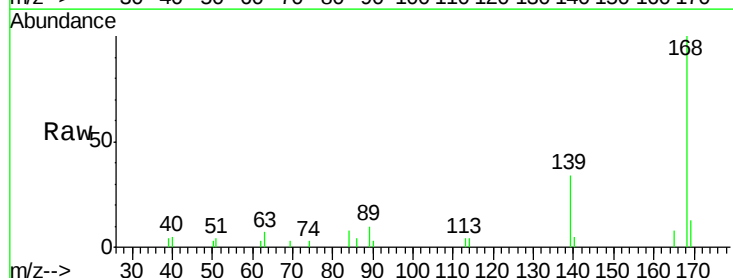
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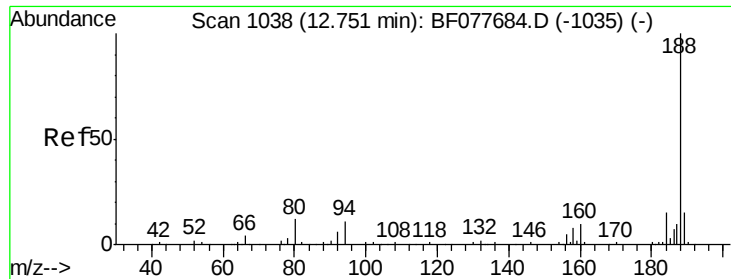
Tgt Ion:172 Resp: 390383
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 23.4 18.8 28.2



#55
 4-Nitrophenol
 Concen: 3.93 ng
 RT: 11.09 min Scan# 893
 Delta R.T. 0.06 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

Tgt Ion:139 Resp: 3528
 Ion Ratio Lower Upper
 139 100
 109 0.0 37.7 77.7#
 65 0.0 49.9 89.9#

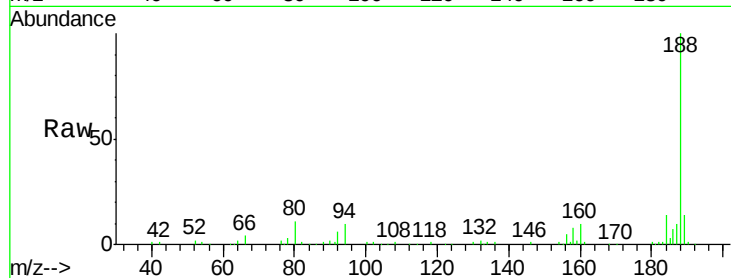




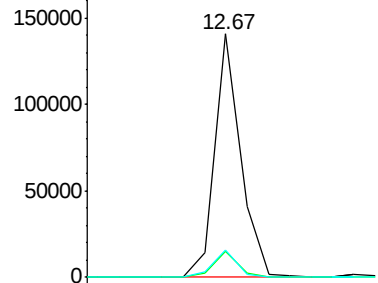
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

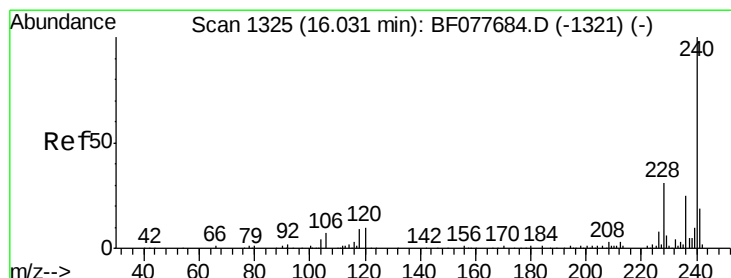
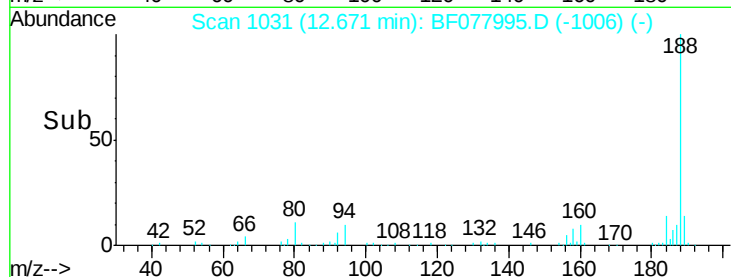
Tgt Ion:188 Resp: 136363
Ion Ratio Lower Upper
188 100
94 10.5 8.7 13.1
80 11.1 9.3 13.9



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

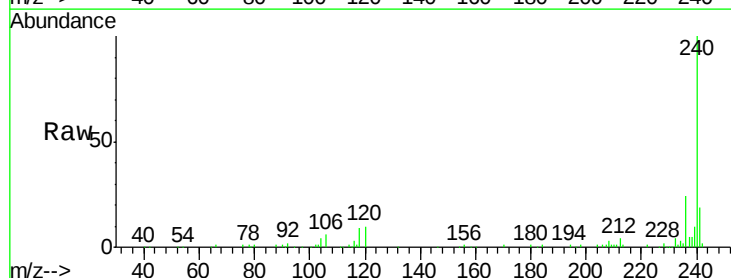


Time--> 12.60 12.65 12.70

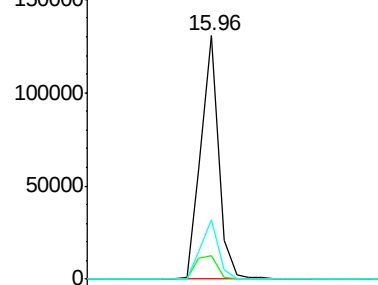


#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.96 min Scan# 1319
Delta R.T. -0.05 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

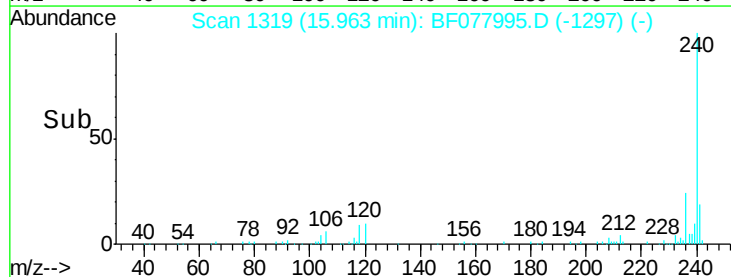
Tgt Ion:240 Resp: 148079
Ion Ratio Lower Upper
240 100
120 9.9 8.2 12.2
236 24.4 20.0 30.0

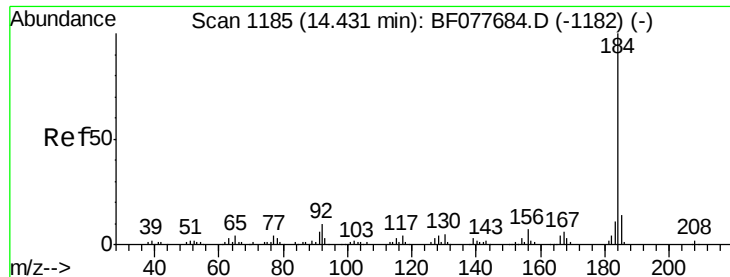


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 15.90 16.00

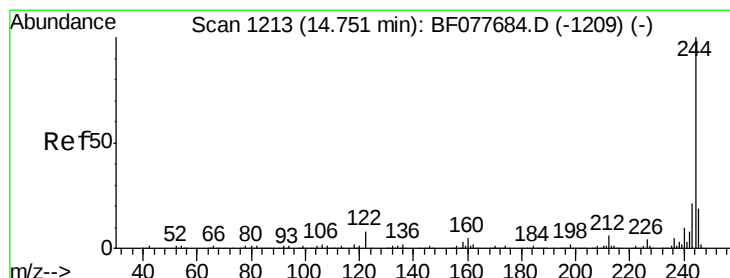
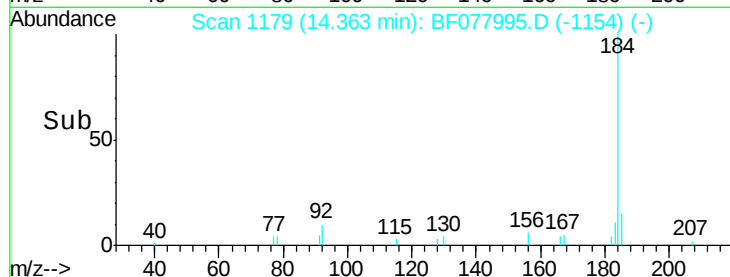
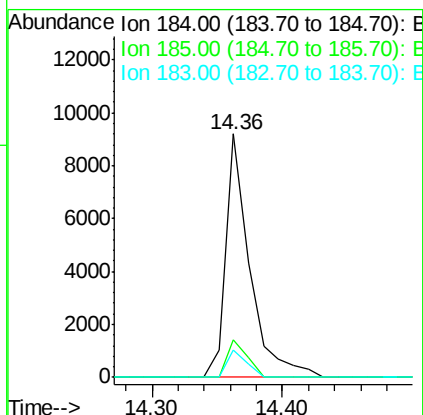
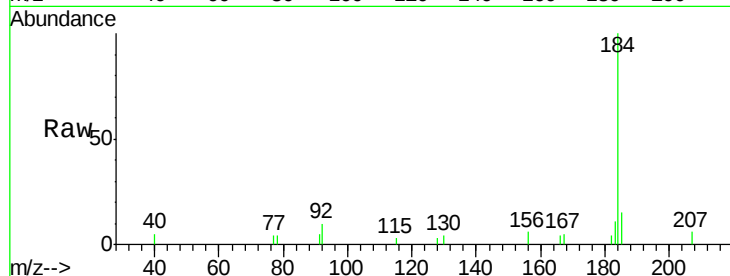




#76
Benzidine
Concen: 2.77 ng
RT: 14.36 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

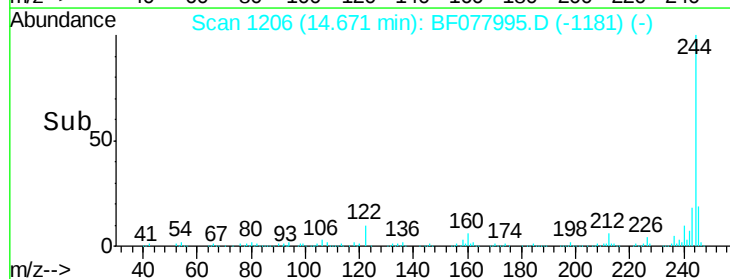
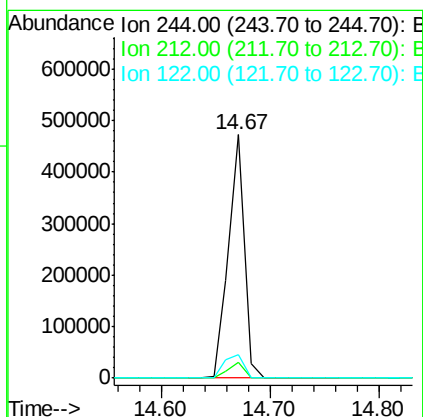
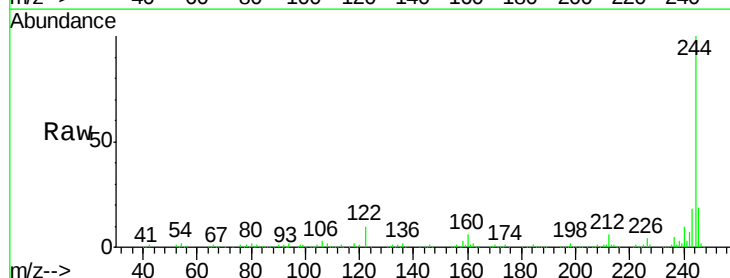
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

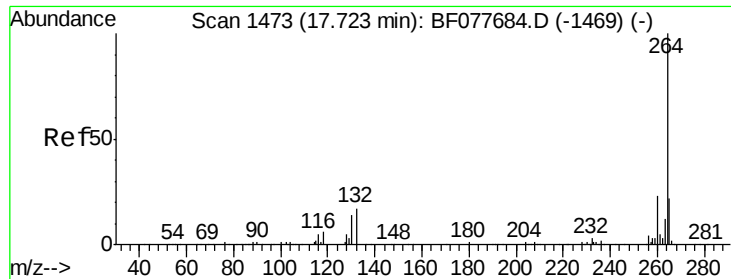
Tgt Ion:184 Resp: 11825
Ion Ratio Lower Upper
184 100
185 15.4 11.3 16.9
183 11.3 8.9 13.3



#78
Terphenyl-d14
Concen: 79.01 ng
RT: 14.67 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

Tgt Ion:244 Resp: 478962
Ion Ratio Lower Upper
244 100
212 6.4 4.9 7.3
122 9.7 6.2 9.4#

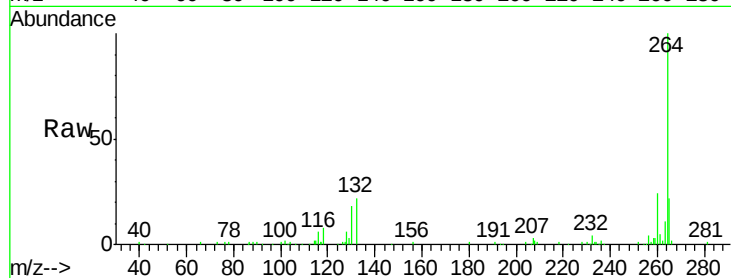




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.73 min Scan# 1474
Delta R.T. -0.16 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	21.8	17.3	25.9



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

