

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091659.D
 Acq On : 16 Dec 2016 7:01
 Operator : UM/SJ
 Sample : H6029-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-02

Quant Time: Dec 16 07:31:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

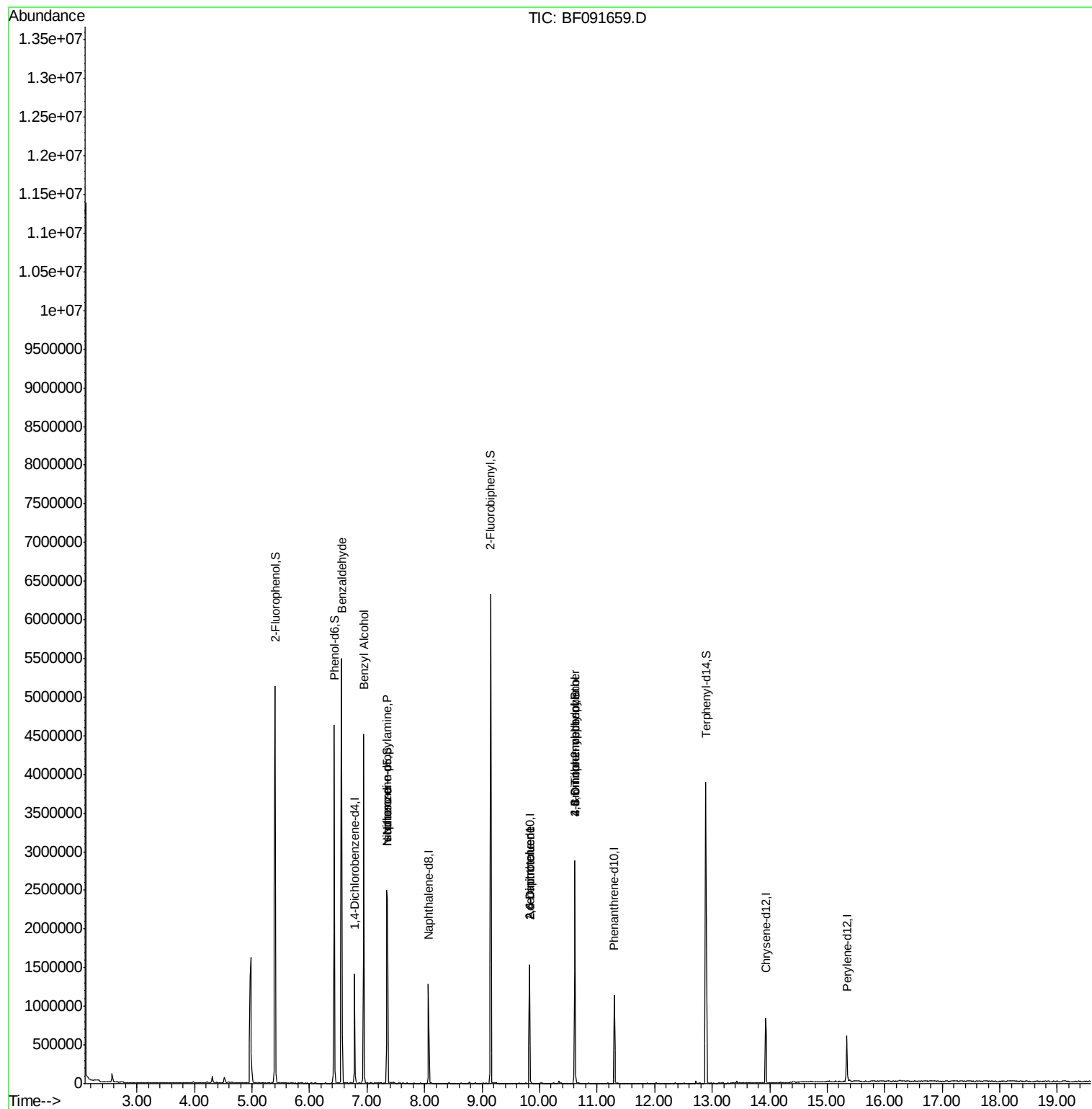
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	184678	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	669554	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	337999	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	444668	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	388912	20.00	ng	-0.01
86) Perylene-d12	15.35	264	314470	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1443165	131.65	ng	0.02
7) Phenol-d6	6.43	99	1560612	114.20	ng	0.00
23) Nitrobenzene-d5	7.34	82	1300089	108.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	369011	131.44	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1845312	94.33	ng	0.00
78) Terphenyl-d14	12.89	244	1398301	81.59	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.56	77	36418	3.87	ng	86
15) Benzyl Alcohol	6.94	79	23236	2.15	ng	# 33
19) n-Nitroso-di-n-propylamine	7.34	70	176203	20.62	ng	# 67
20) 3+4-Methylphenols	6.94	107	210	Below Cal	#	1
25) Isophorone	7.34	82	1177354	55.21	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	43170	9.19	ng	# 16
56) 2,4-Dinitrotoluene	9.82	165	43170	7.33	ng	# 33
57) Fluorene	10.37	166	2472	Below Cal		88
64) 4,6-Dinitro-2-methylphenol	10.61	198	979	3.29	ng	# 27
66) 4-Bromophenyl-phenylether	10.61	248	24154	5.30	ng	# 1

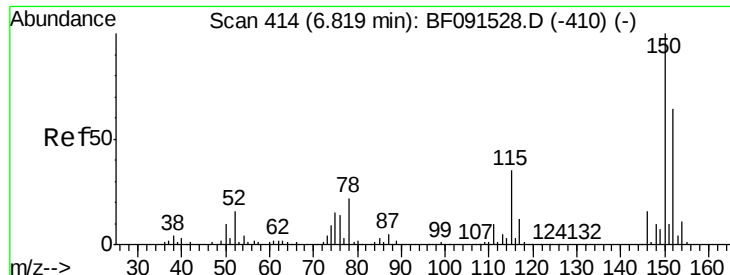
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

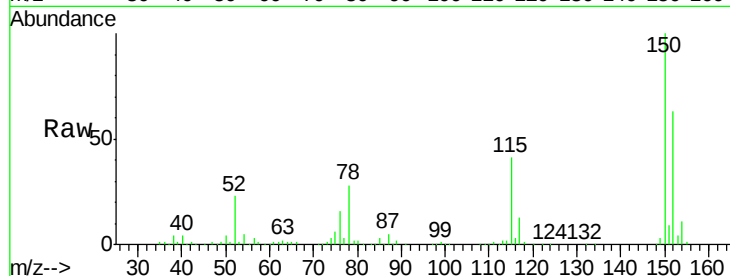
Tgt Ion:152 Resp: 184678

Ion Ratio Lower Upper

152 100

150 157.7 122.5 183.7

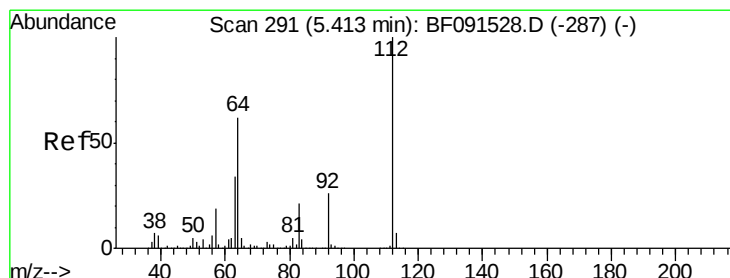
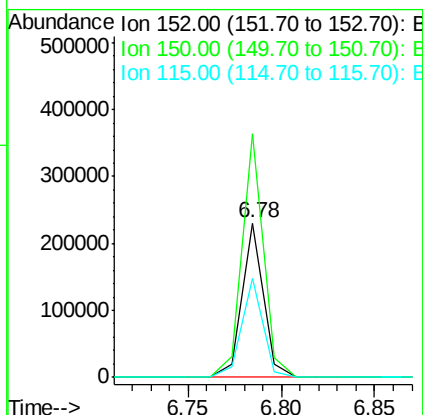
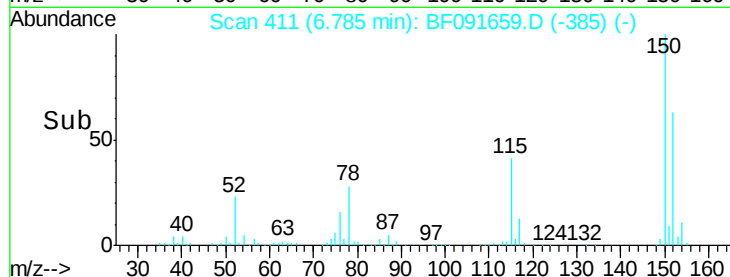
115 63.9 51.8 77.8



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: 131.65 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

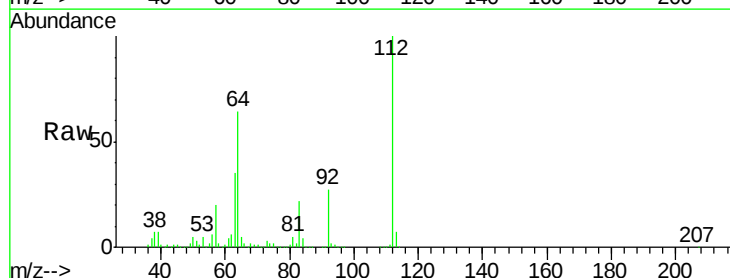
Tgt Ion:112 Resp: 1443165

Ion Ratio Lower Upper

112 100

64 64.1 61.5 92.3

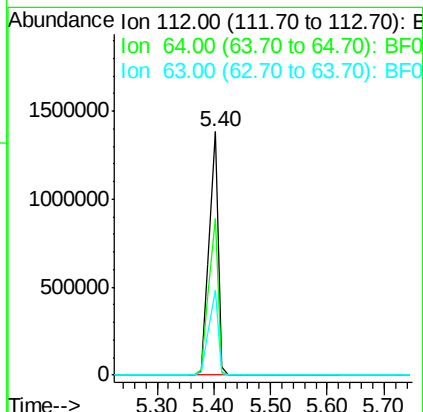
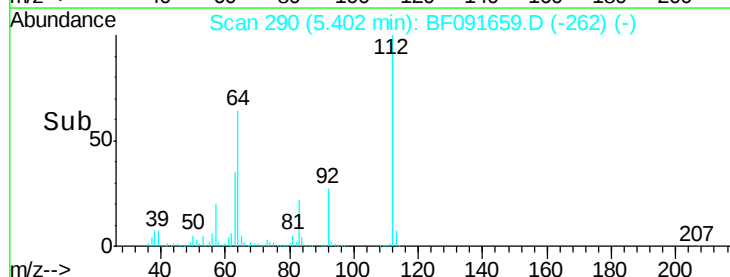
63 34.7 33.3 49.9

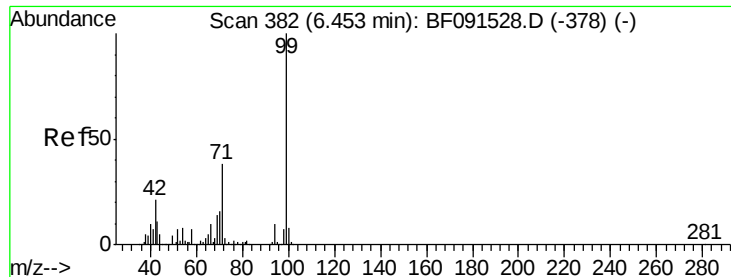


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.20 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

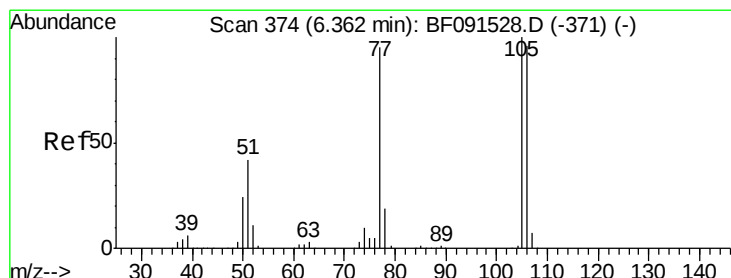
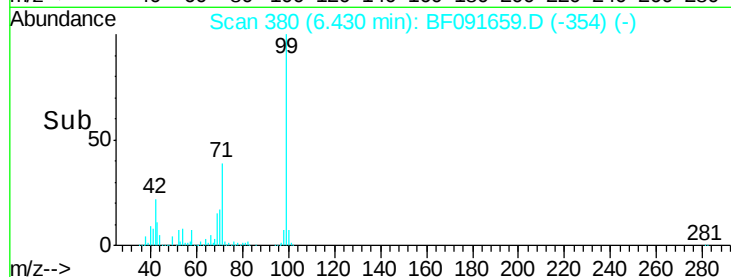
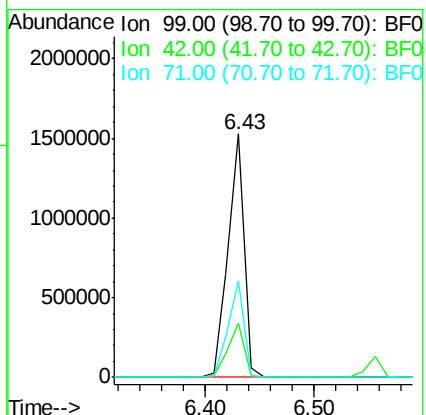
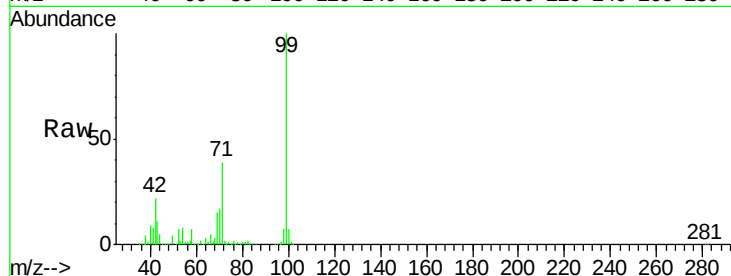
Tgt Ion: 99 Resp: 1560612

Ion Ratio Lower Upper

99 100

42 22.1 20.6 31.0

71 39.4 29.9 44.9



#9

Benzaldehyde

Concen: 3.87 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.23 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

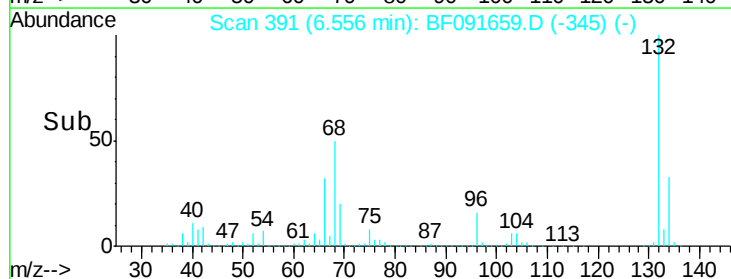
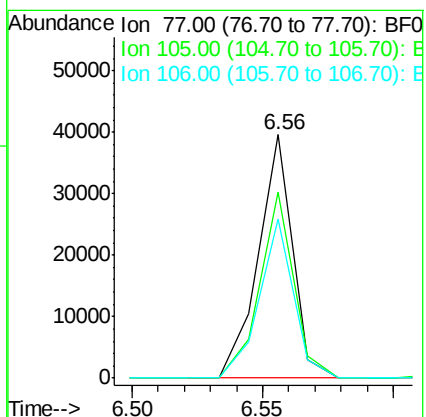
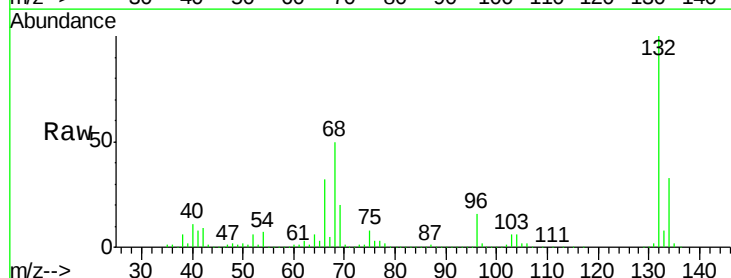
Tgt Ion: 77 Resp: 36418

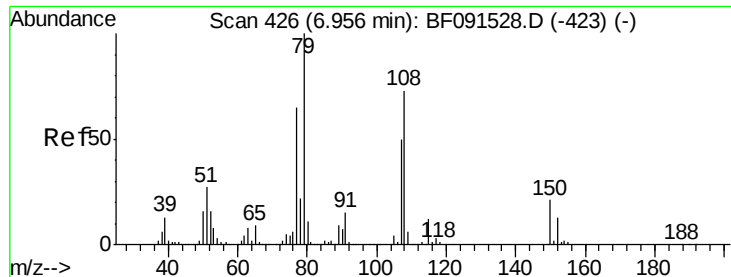
Ion Ratio Lower Upper

77 100

105 76.4 66.4 106.4

106 65.3 60.9 100.9





#15

Benzyl Alcohol

Concen: 2.15 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

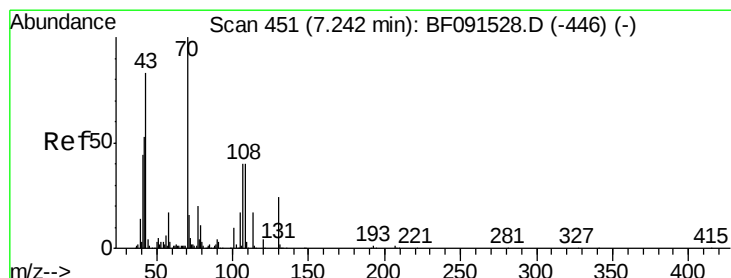
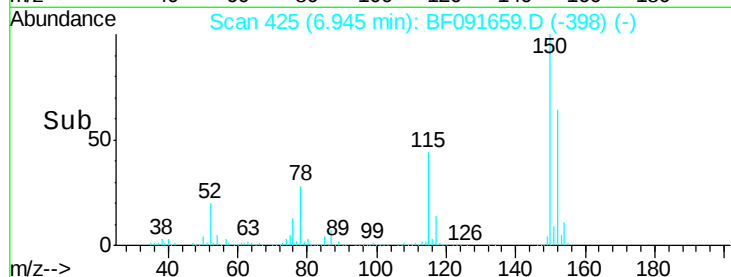
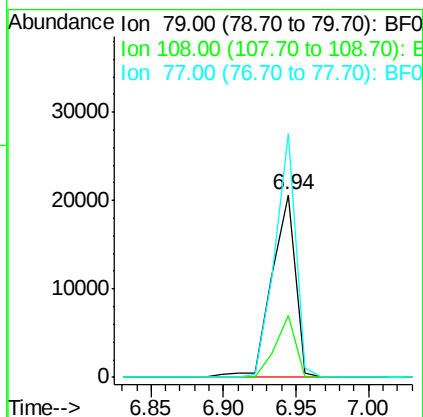
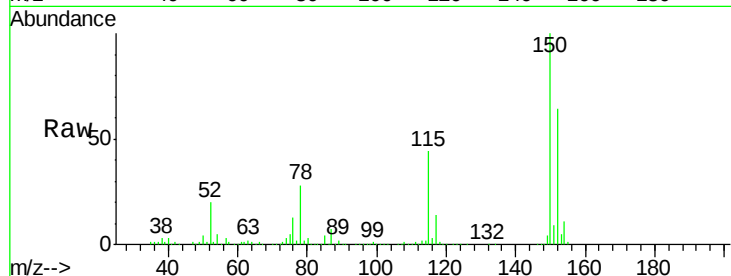
Tgt Ion: 79 Resp: 23236

Ion Ratio Lower Upper

79 100

108 34.1 62.7 94.1#

77 133.2 51.7 77.5#



#19

n-Nitroso-di-n-propylamine

Concen: 20.62 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Tgt Ion: 70 Resp: 176203

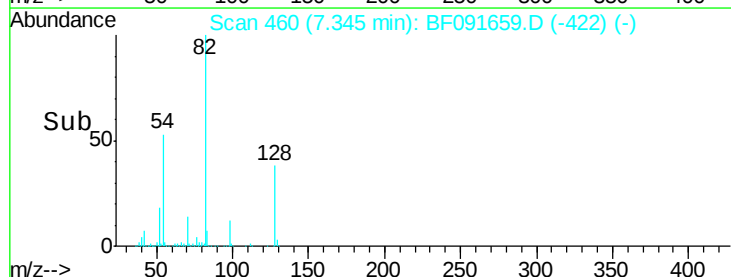
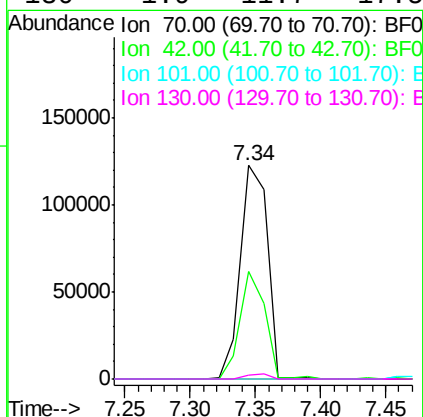
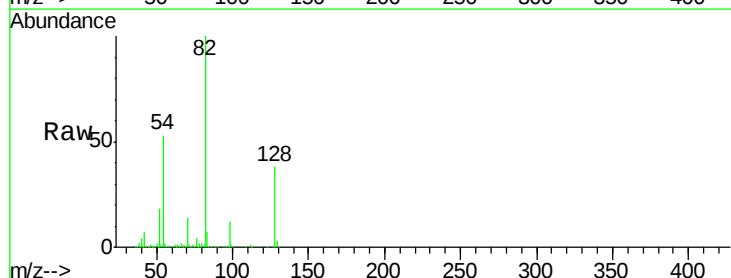
Ion Ratio Lower Upper

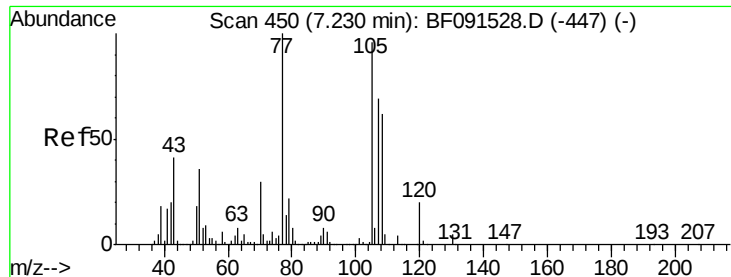
70 100

42 50.6 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#

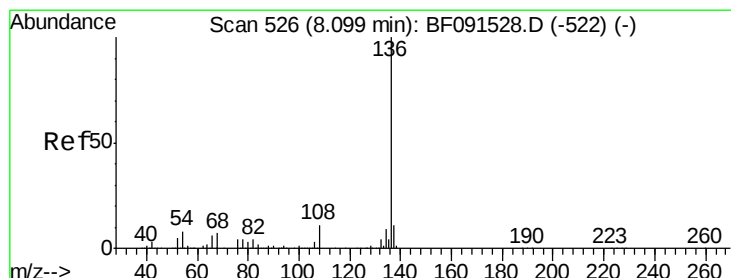
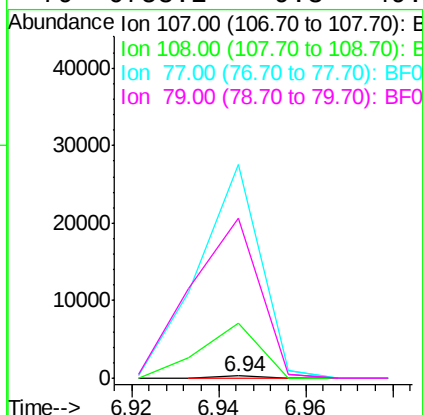
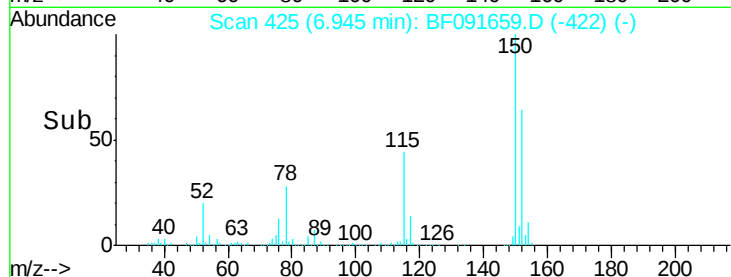
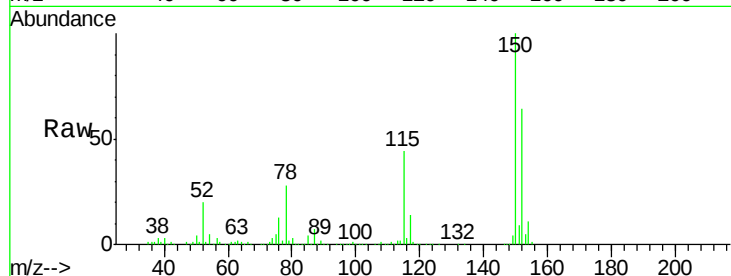




#20
3+4-Methylphenols
Concen: Below Cal
RT: 6.94 min Scan# 425
Delta R.T. -0.26 min
Lab File: BF091659.D
Acq: 16 Dec 2016 7:01

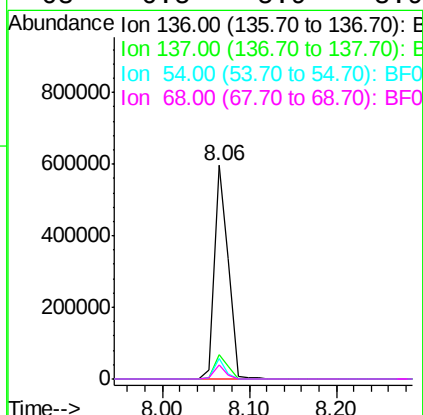
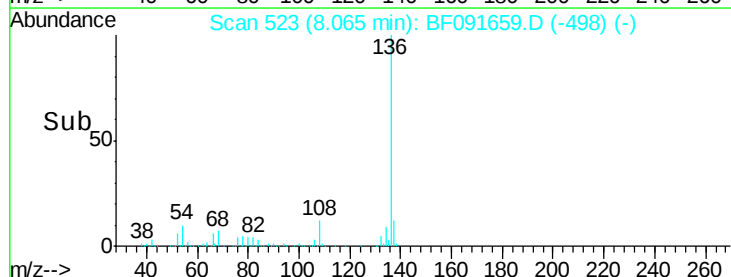
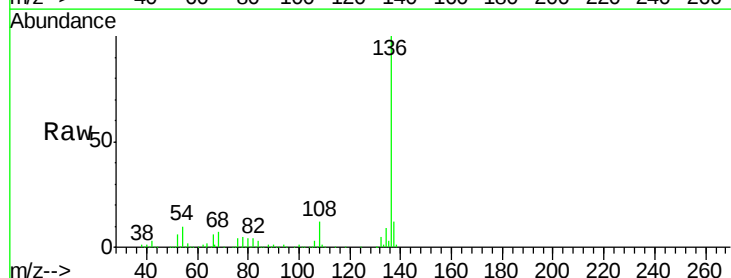
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-02

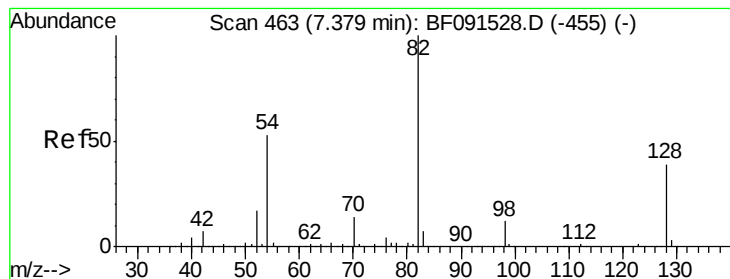
Tgt Ion:107 Resp: 210
Ion Ratio Lower Upper
107 100
108 2305.2 64.6 104.6#
77 9001.3 30.9 70.9#
79 6758.2 9.3 49.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091659.D
Acq: 16 Dec 2016 7:01

Tgt Ion:136 Resp: 669554
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 9.6 9.1 13.7
68 6.5 5.9 8.9





#23

Nitrobenzene-d5

Concen: 108.37 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

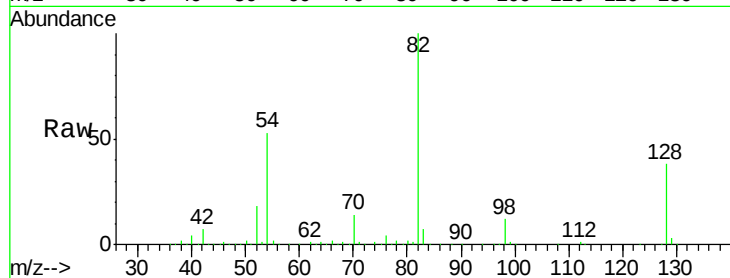
Tgt Ion: 82 Resp: 1300089

Ion Ratio Lower Upper

82 100

128 37.7 31.8 47.6

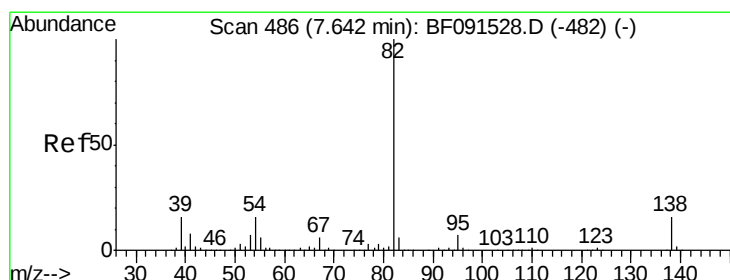
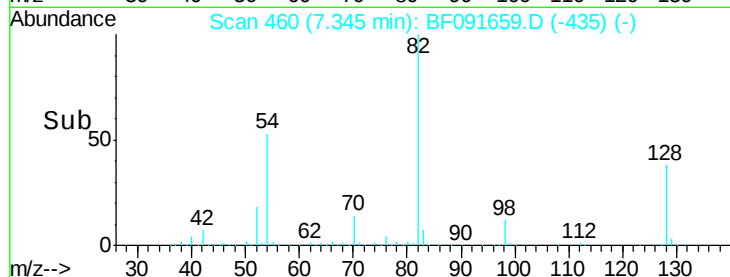
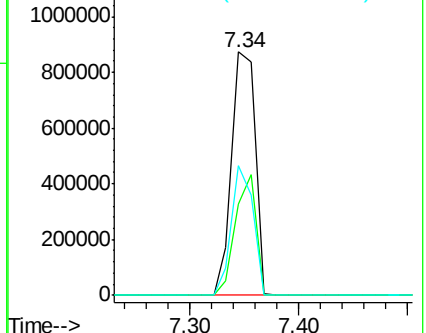
54 53.3 49.1 73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 55.21 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.27 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

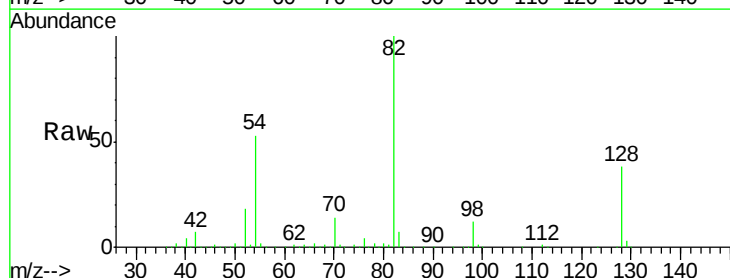
Tgt Ion: 82 Resp: 1177354

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

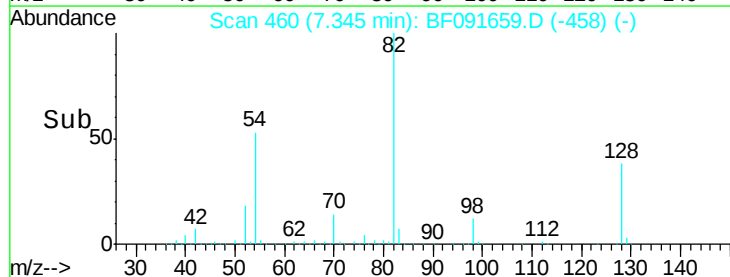
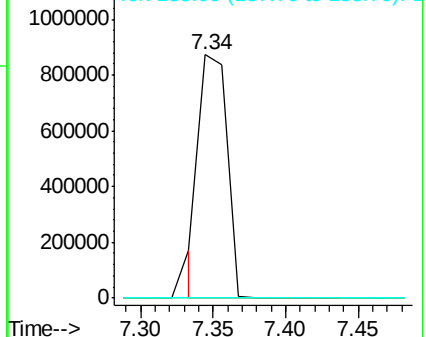
138 0.0 13.4 20.0#

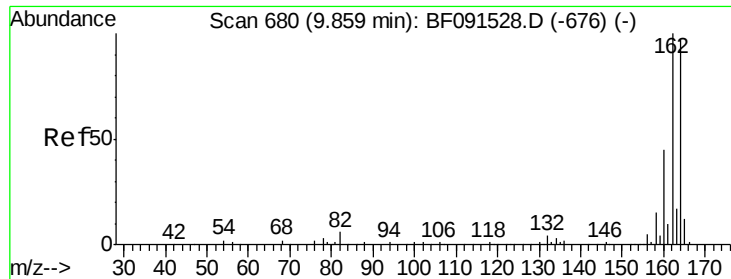


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

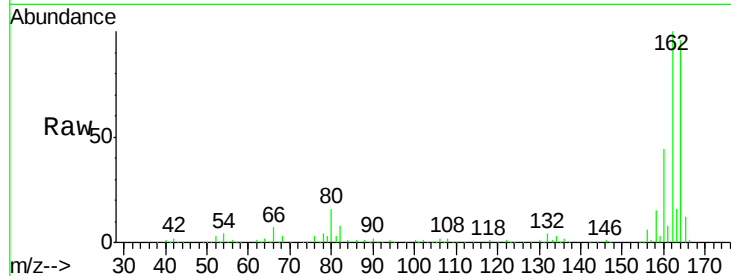
Tgt Ion:164 Resp: 337999

Ion Ratio Lower Upper

164 100

162 104.1 82.6 124.0

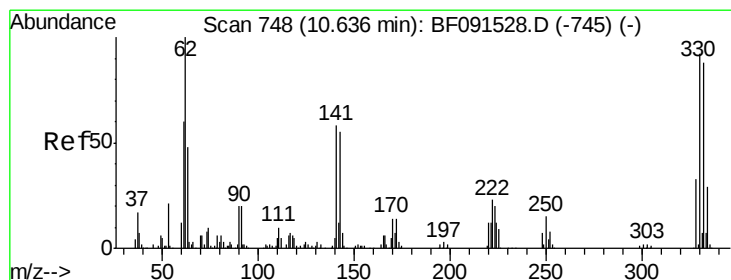
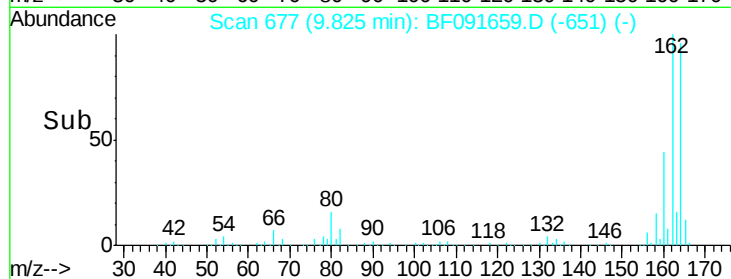
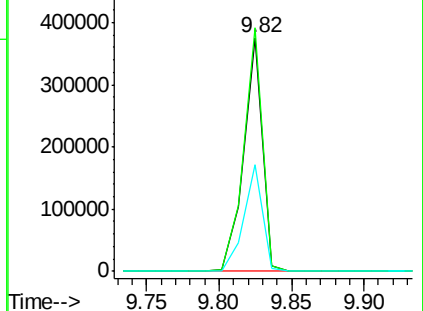
160 45.6 36.7 55.1



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: 131.44 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

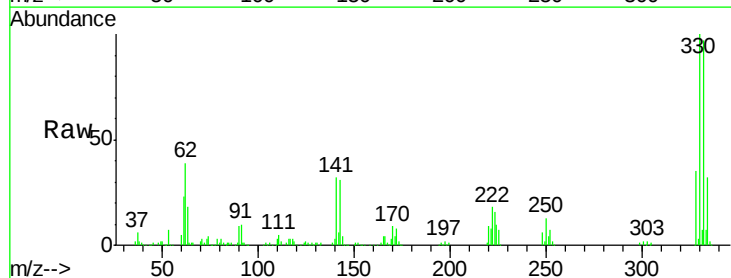
Tgt Ion:330 Resp: 369011

Ion Ratio Lower Upper

330 100

332 95.5 76.2 114.4

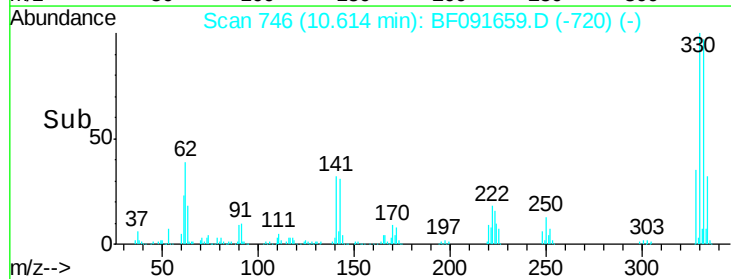
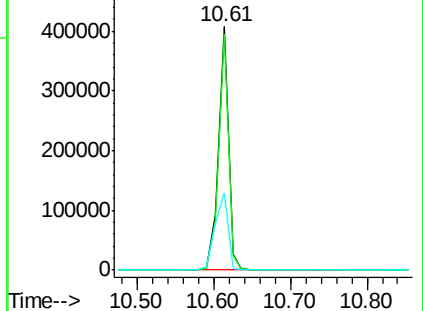
141 40.4 33.6 50.4

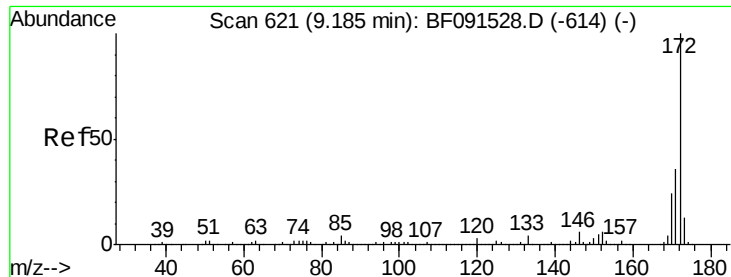


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

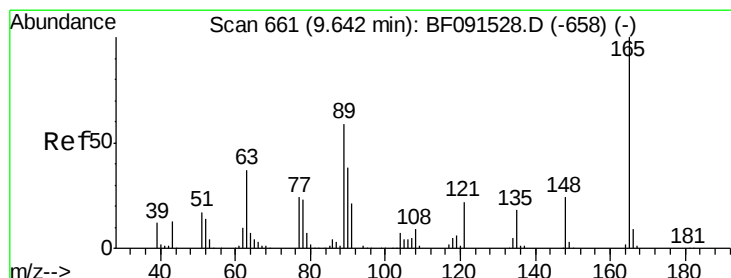
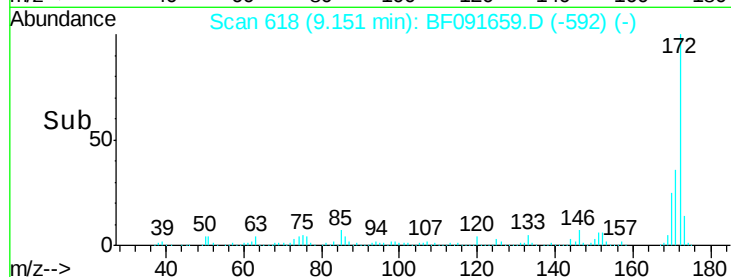
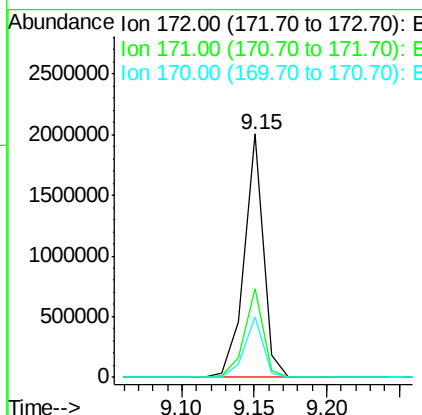
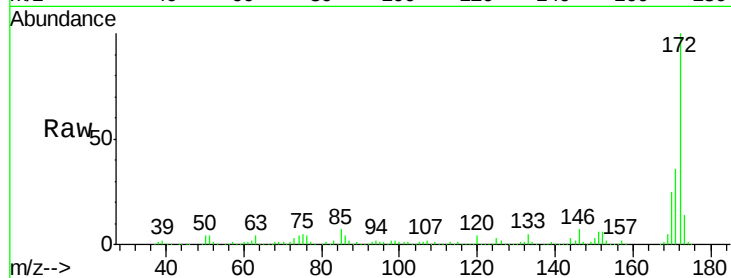




#44
 2-Fluorobiphenyl
 Concen: 94.33 ng
 RT: 9.15 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF091659.D
 Acq: 16 Dec 2016 7:01

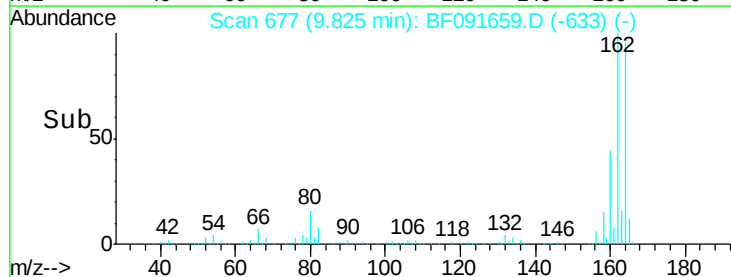
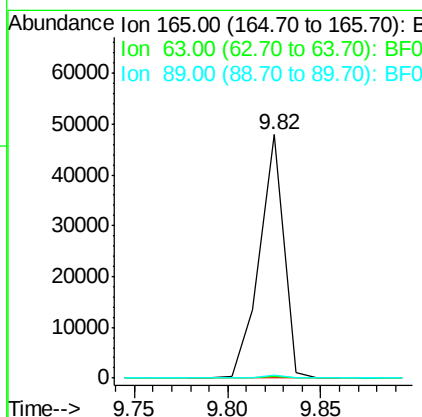
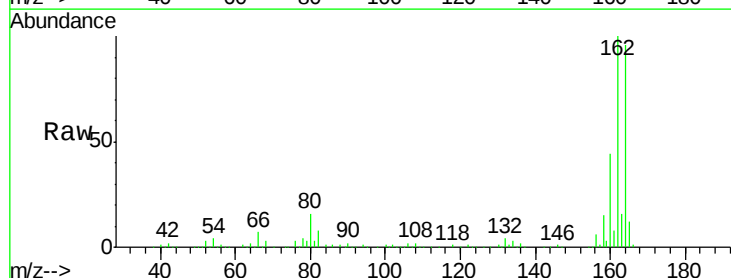
Instrument :
 BNA_F
 ClientSampled :
 IDW-SOIL-02

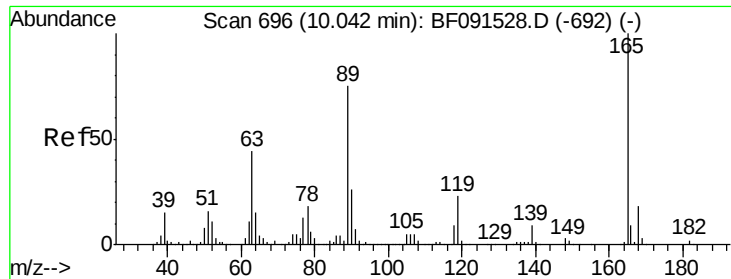
Tgt Ion:172 Resp: 1845312
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.6 19.7 29.5



#50
 2,6-Dinitrotoluene
 Concen: 9.19 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF091659.D
 Acq: 16 Dec 2016 7:01

Tgt Ion:165 Resp: 43170
 Ion Ratio Lower Upper
 165 100
 63 0.9 59.4 89.0#
 89 1.0 50.8 76.2#

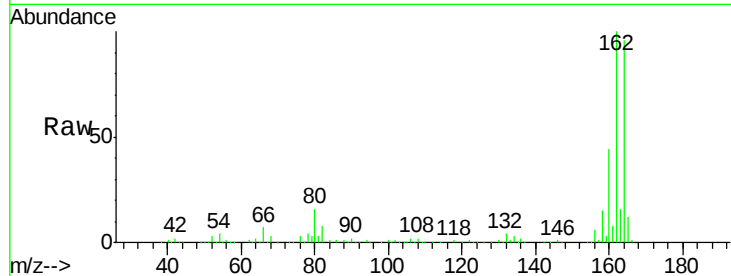




#56
2,4-Dinitrotoluene
Concen: 7.33 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.19 min
Lab File: BF091659.D
Acq: 16 Dec 2016 7:01

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.0	43.4#
89	1.0	43.1	64.7#
182	0.0	1.9	2.9#

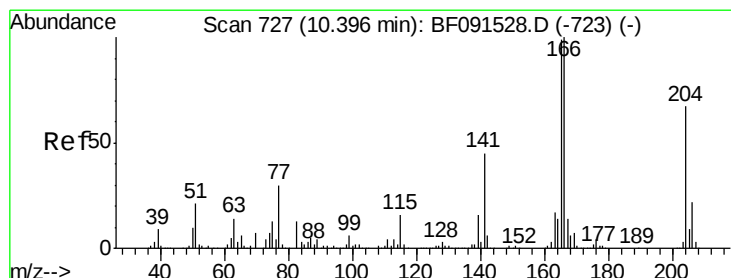
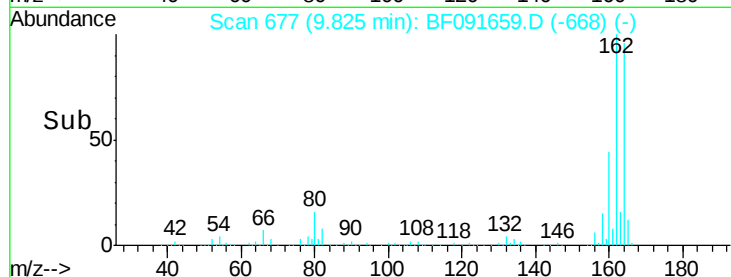
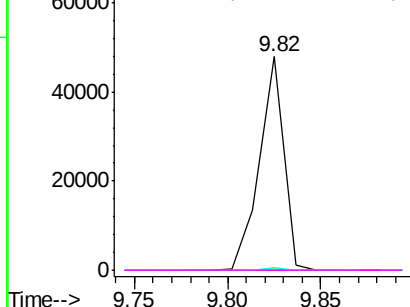


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

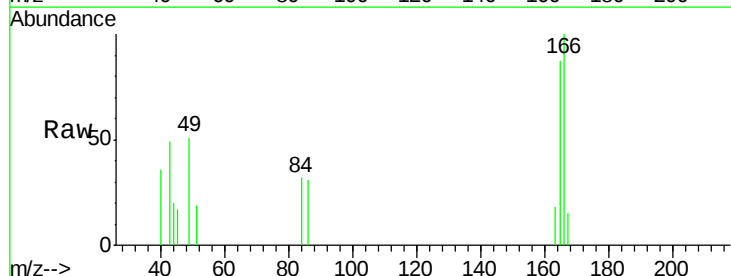
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.37 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF091659.D
Acq: 16 Dec 2016 7:01

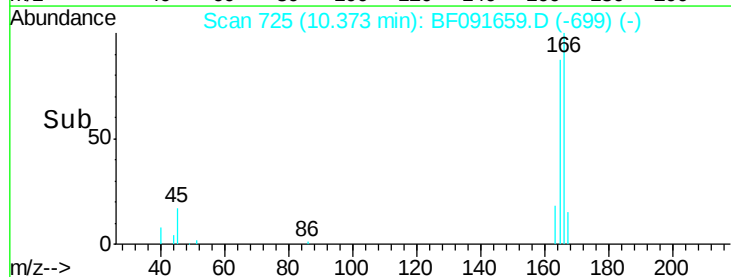
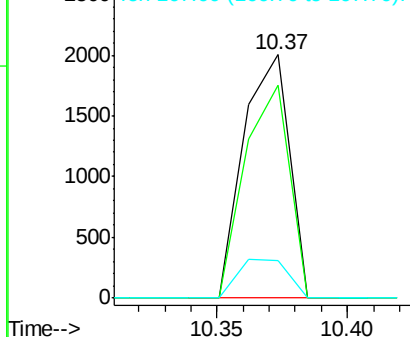
Tgt Ion	Ratio	Lower	Upper
166	100		
165	87.3	80.0	120.0
167	15.3	10.8	16.2

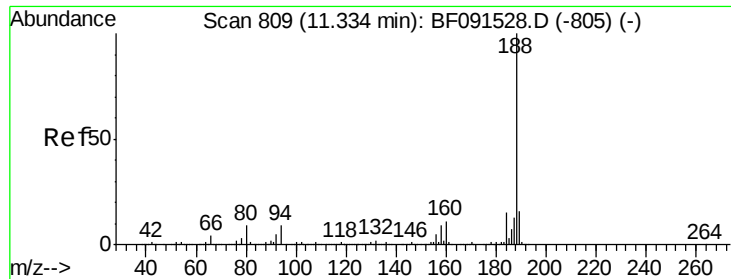


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

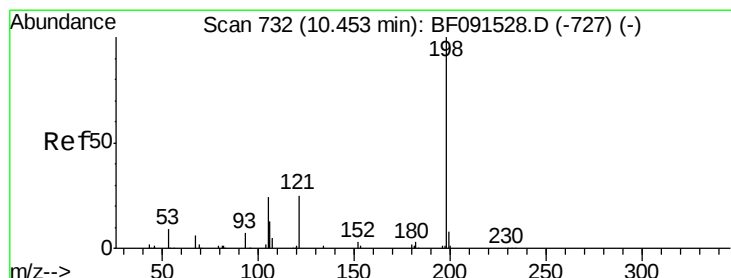
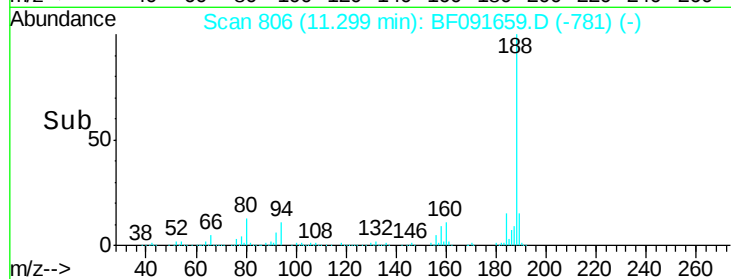
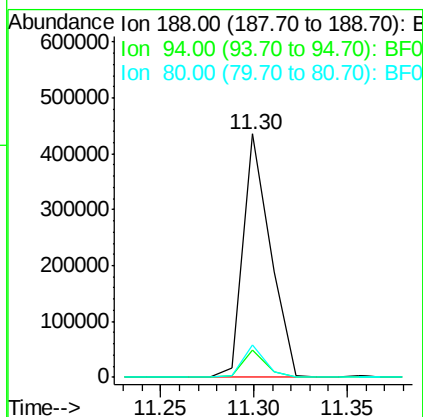
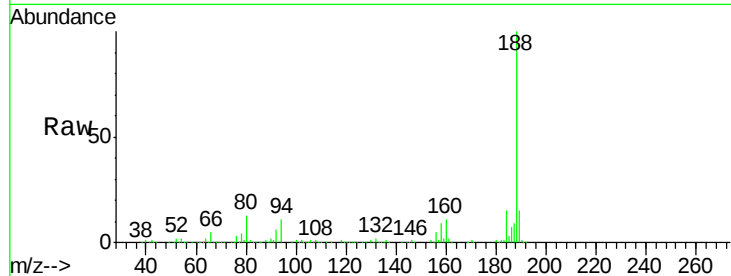




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091659.D
Acq: 16 Dec 2016 7:01

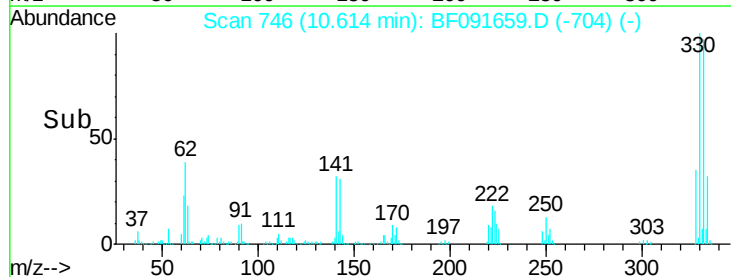
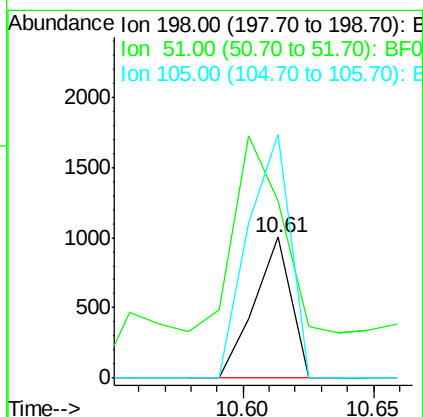
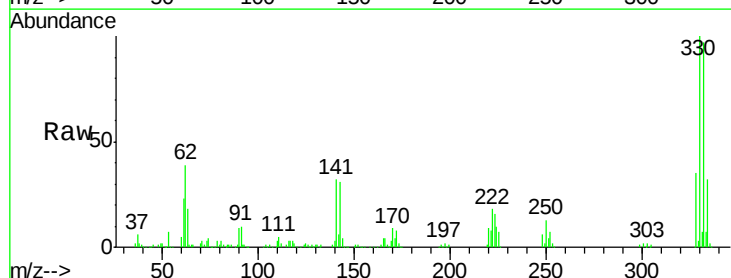
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-02

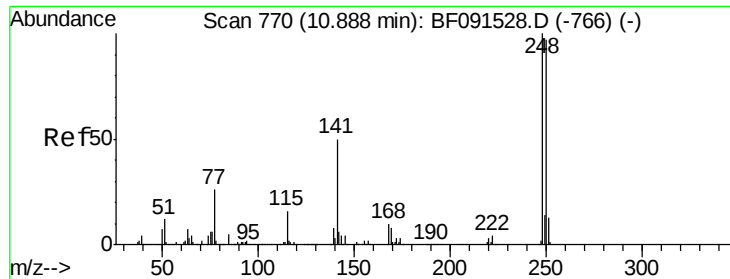
Tgt Ion:188 Resp: 444668
Ion Ratio Lower Upper
188 100
94 11.2 9.2 13.8
80 13.2 10.5 15.7



#64
4,6-Dinitro-2-methylphenol
Concen: 3.29 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.18 min
Lab File: BF091659.D
Acq: 16 Dec 2016 7:01

Tgt Ion:198 Resp: 979
Ion Ratio Lower Upper
198 100
51 125.8 77.1 117.1#
105 173.0 44.8 84.8#





#66

4-Bromophenyl-phenylether

Concen: 5.30 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.24 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

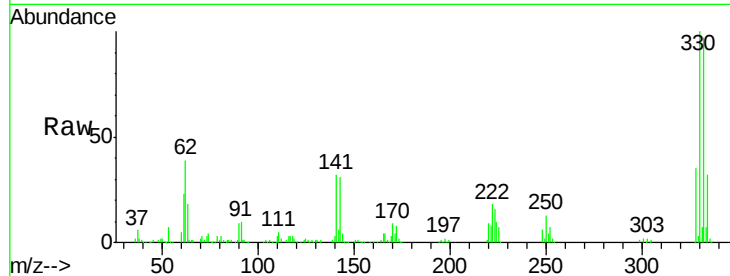
Tgt Ion:248 Resp: 24154

Ion Ratio Lower Upper

248 100

250 202.4 78.2 117.4#

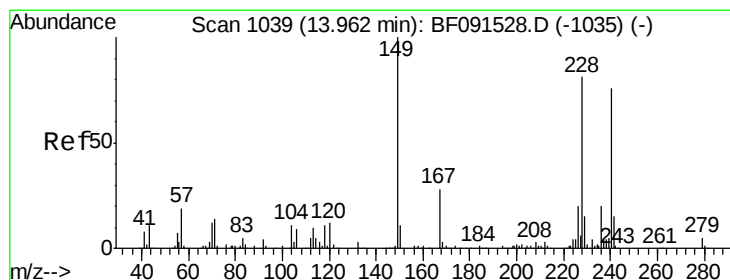
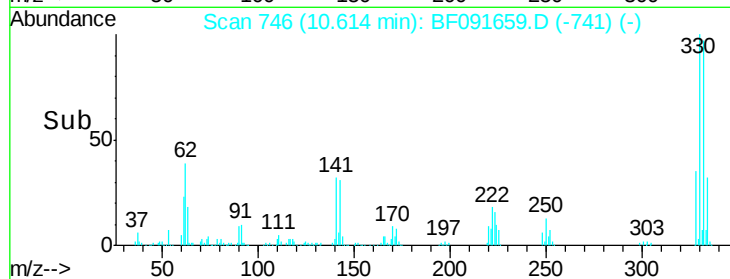
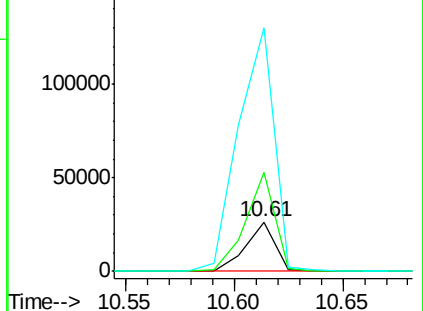
141 495.9 71.9 107.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

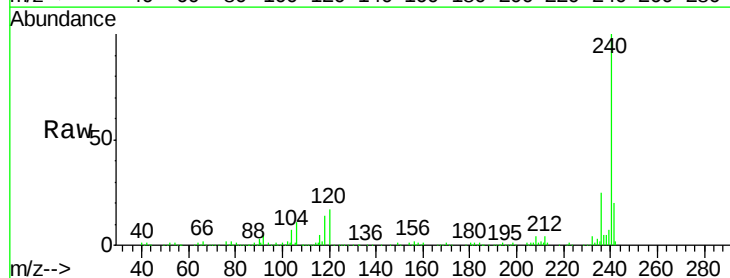
Tgt Ion:240 Resp: 388912

Ion Ratio Lower Upper

240 100

120 16.9 12.1 18.1

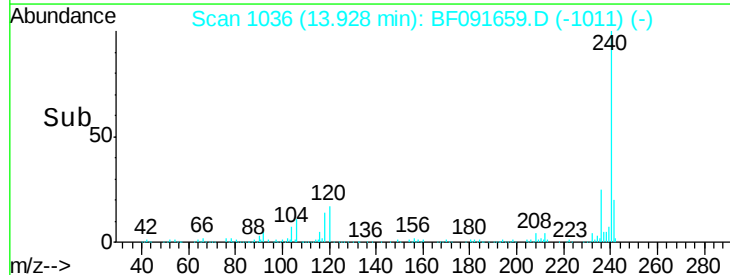
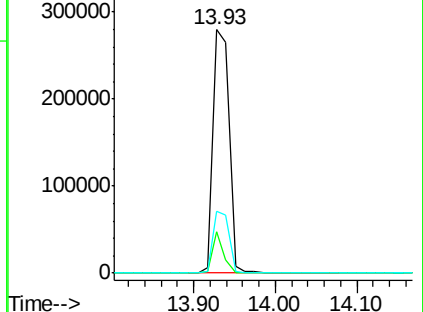
236 25.3 21.0 31.6

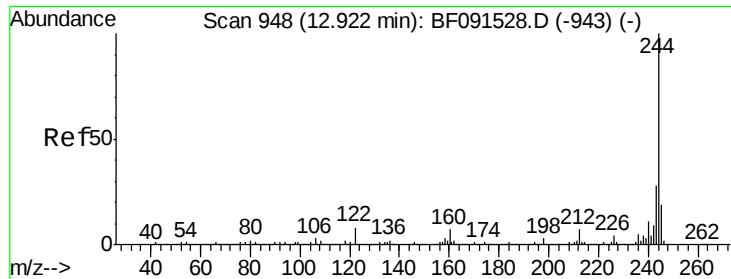


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 81.59 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

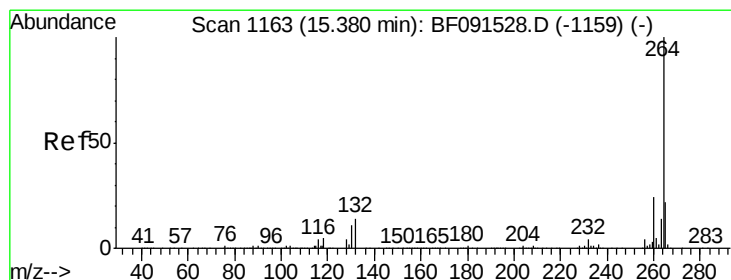
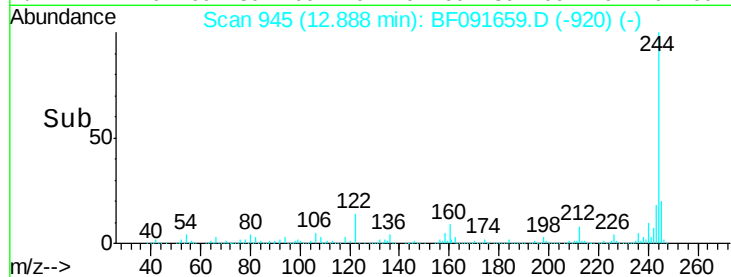
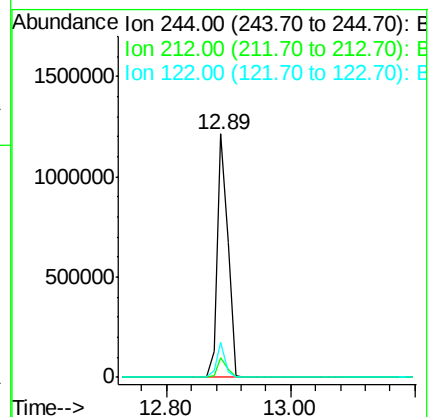
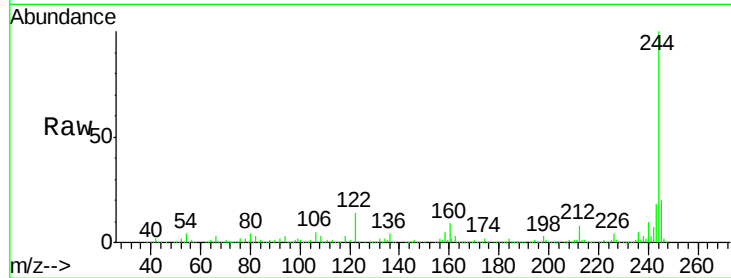
Tgt Ion:244 Resp: 1398301

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

122 14.5 9.5 14.3#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Tgt Ion:264 Resp: 314470

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 21.7 17.0 25.6

