

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031617\
 Data File : BF093716.D
 Acq On : 16 Mar 2017 19:51
 Operator : SJ/MA
 Sample : I2258-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRINNELL-TOPSOIL

Quant Time: Mar 17 00:57:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

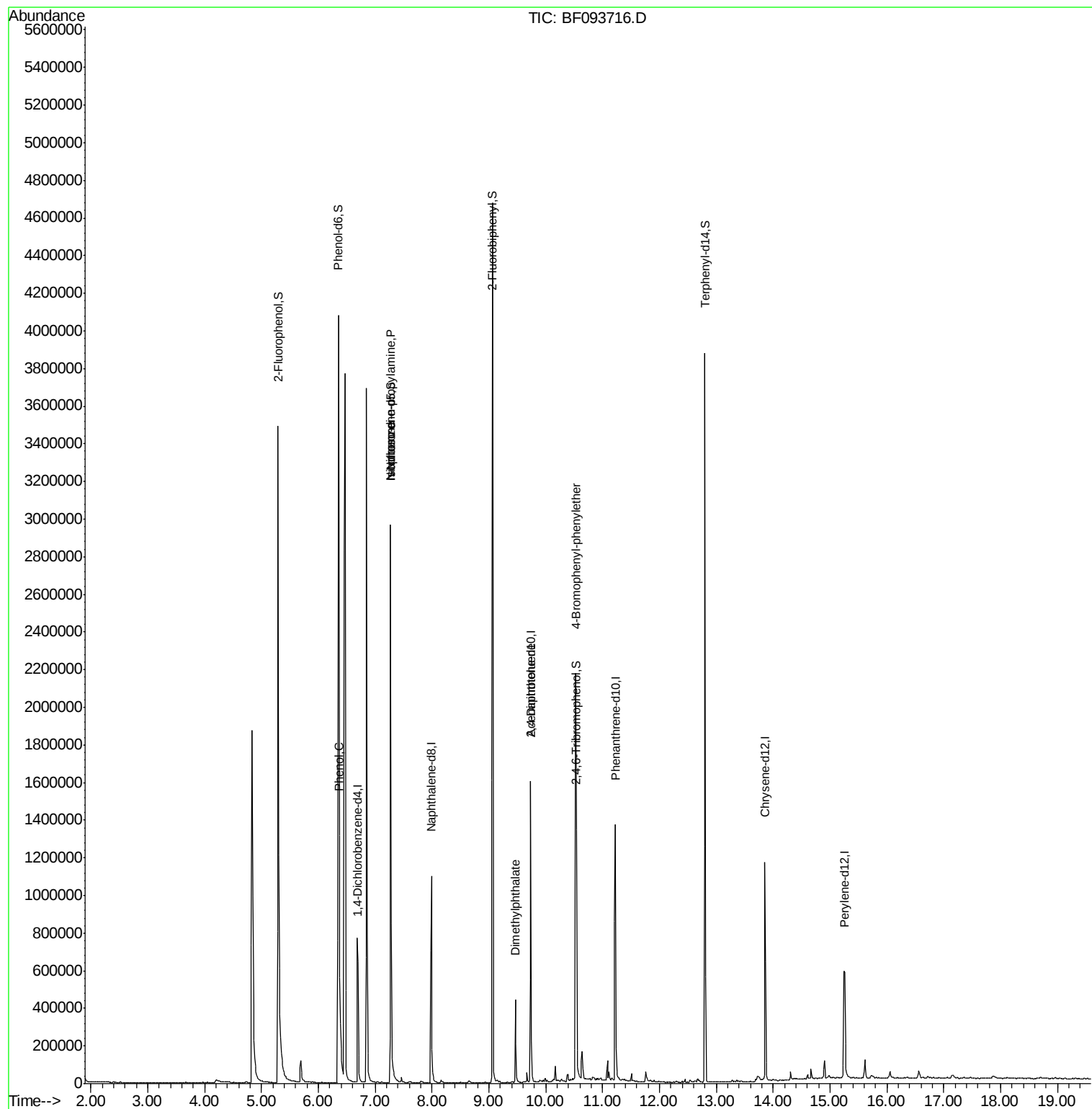
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	177814	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	691130	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	340906	20.00	ng	-0.02
63) Phenanthrene-d10	11.22	188	638367	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	491024	20.00	ng	-0.03
86) Perylene-d12	15.26	264	343485	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1389553	130.06	ng	-0.02
7) Phenol-d6	6.36	99	1680581	124.74	ng	-0.02
23) Nitrobenzene-d5	7.27	82	1077517	86.50	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	315350	141.98	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1599690	87.28	ng	-0.02
78) Terphenyl-d14	12.80	244	1279065	67.73	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.36	77	3667	Below Cal	#	1
10) Phenol	6.37	94	143514	8.69	ng	86
19) n-Nitroso-di-n-propylamine	7.27	70	143834	15.53	ng	85
25) Isophorone	7.27	82	1017811	40.52	ng	65
49) Dimethylphthalate	9.46	163	204992	9.07	ng	99
56) 2,4-Dinitrotoluene	9.74	165	41790	6.86	ng	20
66) 4-Bromophenyl-phenylether	10.53	248	21629	3.20	ng	1

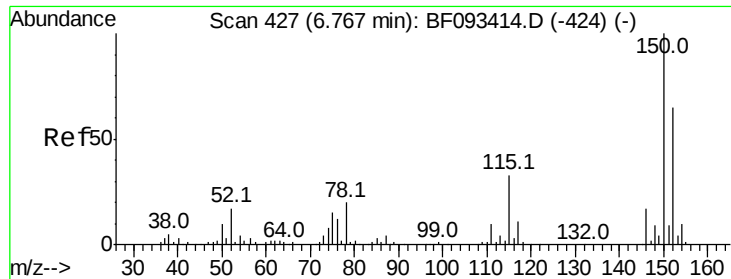
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 421

Delta R.T. -0.02 min

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Instrument :

BNA_F

ClientSampleId :

GRINNELL-TOPSOIL

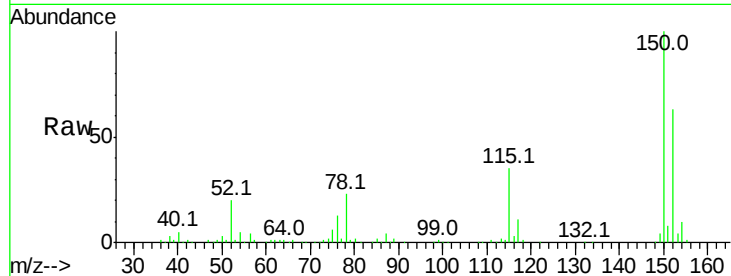
Tot Ion:152 Resp: 177814

Ion Ratio Lower Upper

152 100

150 159.5 124.9 187.3

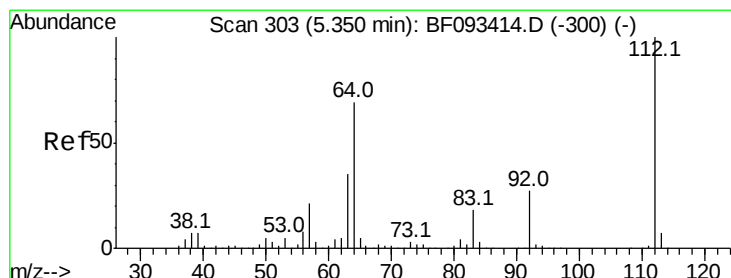
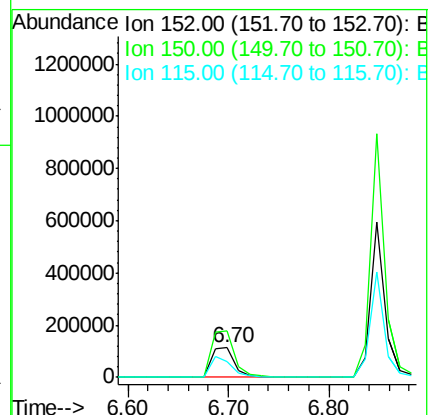
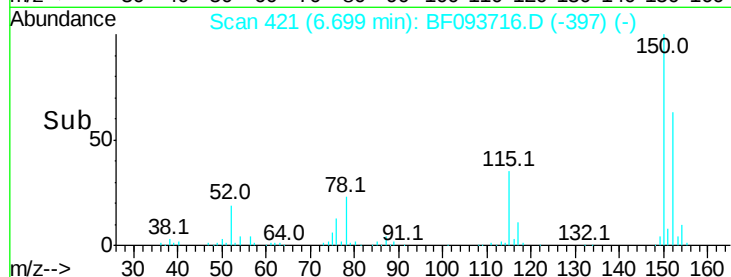
115 55.5 46.0 69.0



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



#5

2-Fluorophenol

Concen: 130.06 ng

RT: 5.29 min Scan# 298

Delta R.T. -0.02 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

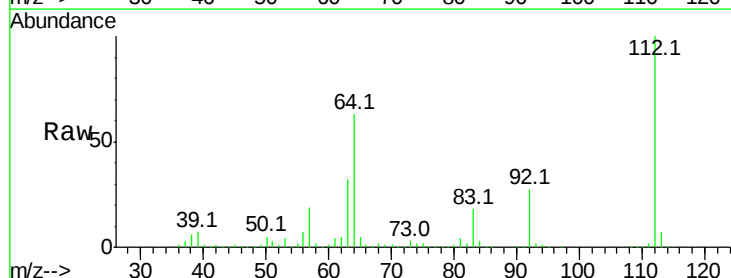
Tgt Ion:112 Resp: 1389553

Ion Ratio Lower Upper

112 100

64 63.0 46.1 69.1

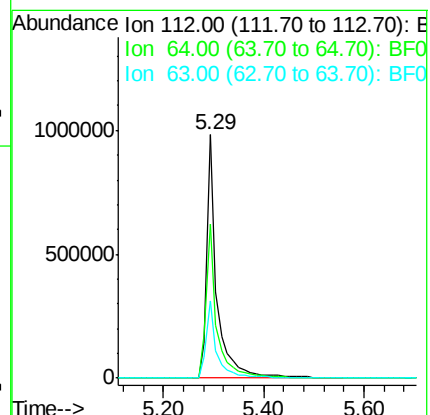
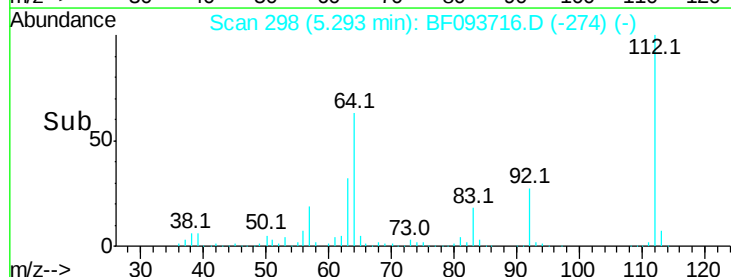
63 31.8 23.8 35.6

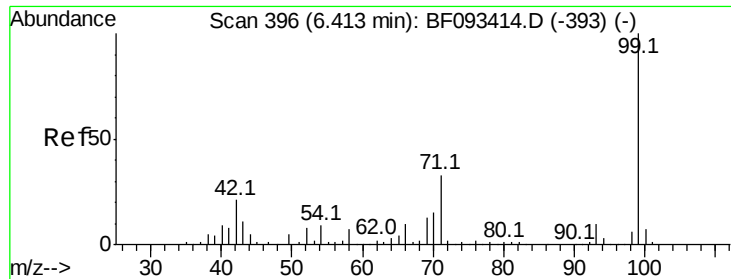


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.74 ng

RT: 6.36 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

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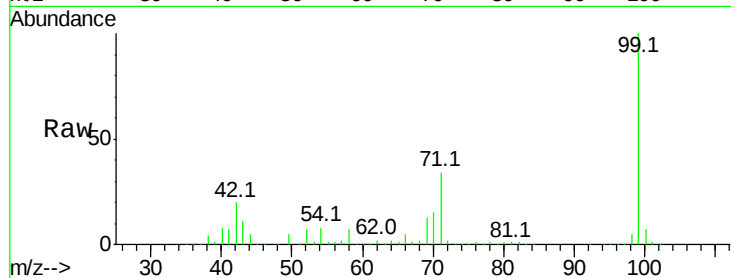
Tot Ion: 99 Resp: 1680581

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

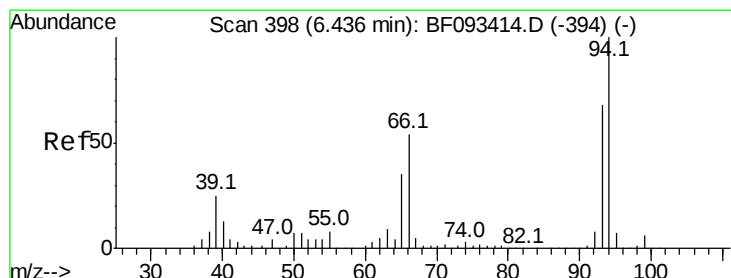
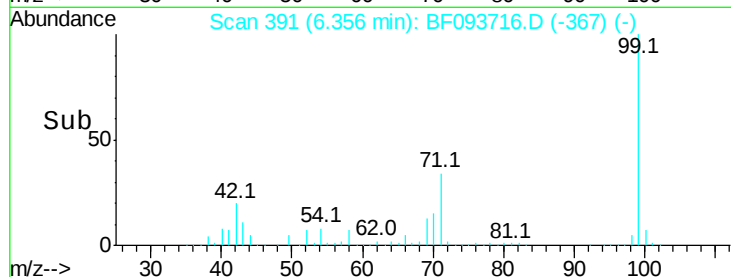
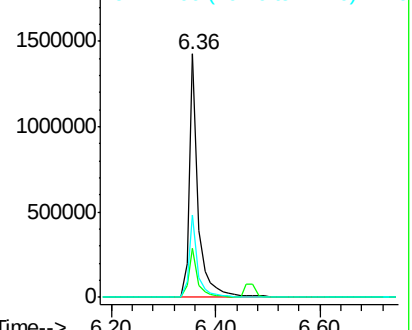
71 33.7 27.5 41.3



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



#10

Phenol

Concen: 8.69 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

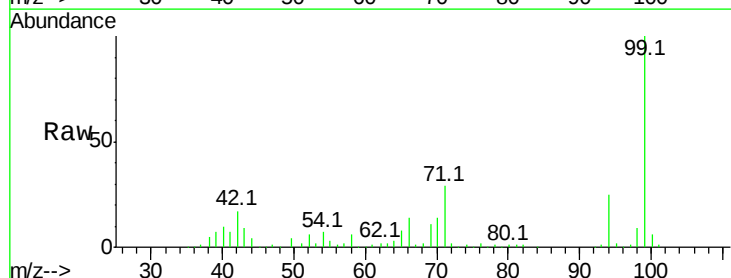
Tgt Ion: 94 Resp: 143514

Ion Ratio Lower Upper

94 100

65 31.5 21.4 61.4

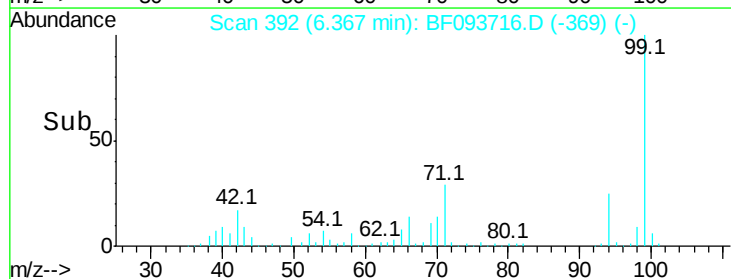
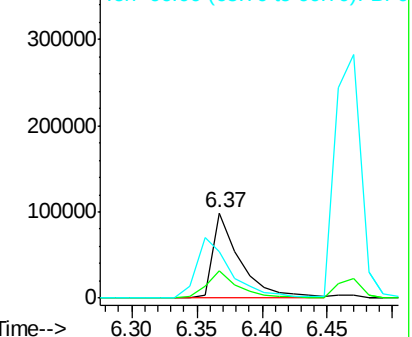
66 54.6 44.0 84.0

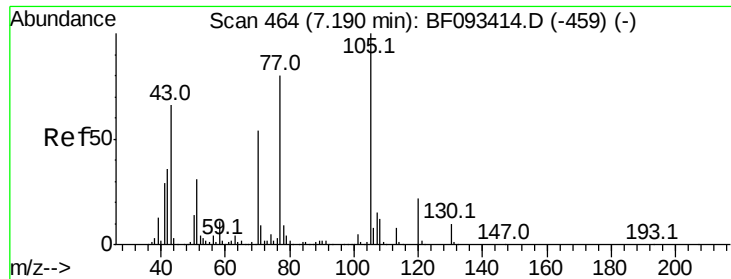


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 15.53 ng

RT: 7.27 min Scan# 471

Delta R.T. 0.13 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

Instrument :

BNA_F

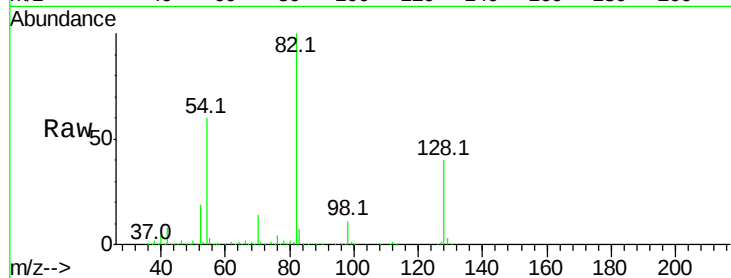
ClientSampleId :

GRINNELL-TOPSOIL

Tot Ion: 70 Resp: 143834

Ion Ratio Lower Upper

70	100		
42	55.6	49.4	74.0
101	0.0	7.4	11.2#
130	2.1	14.2	21.4#

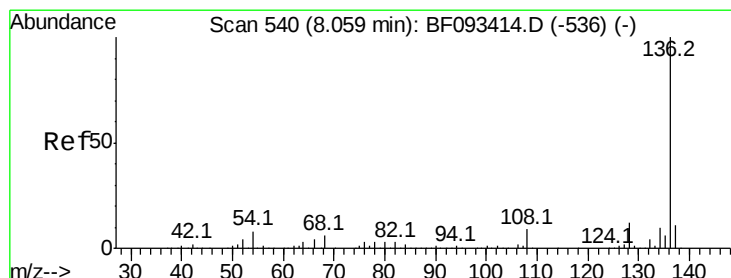
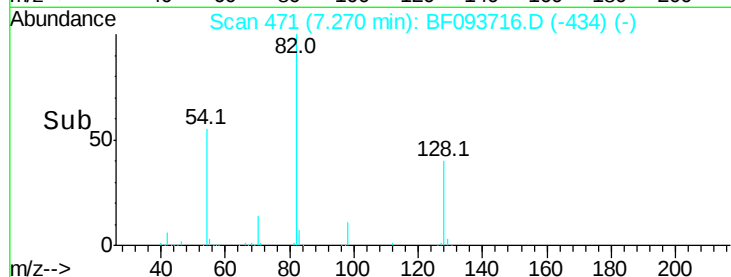
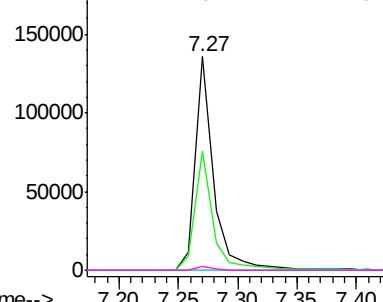


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 534

Delta R.T. -0.02 min

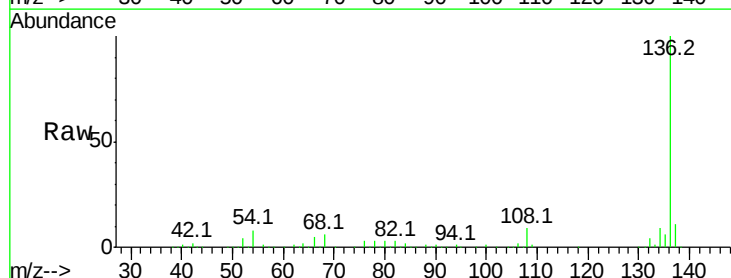
Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

Tgt Ion:136 Resp: 691130

Ion Ratio Lower Upper

136	100		
137	10.6	8.4	12.6
54	8.3	4.5	6.7#
68	6.0	3.6	5.4#

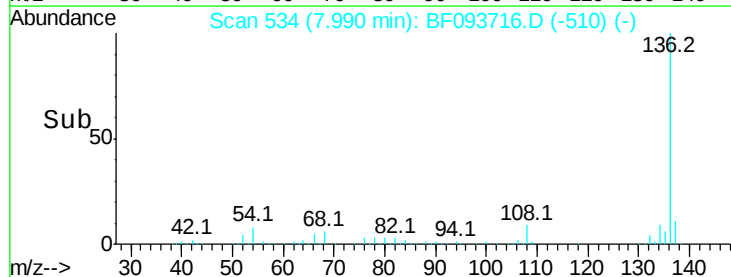
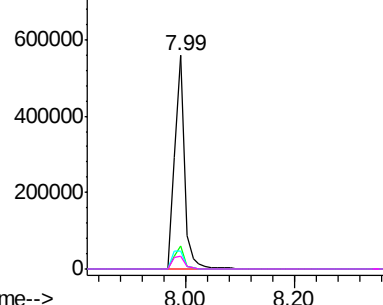


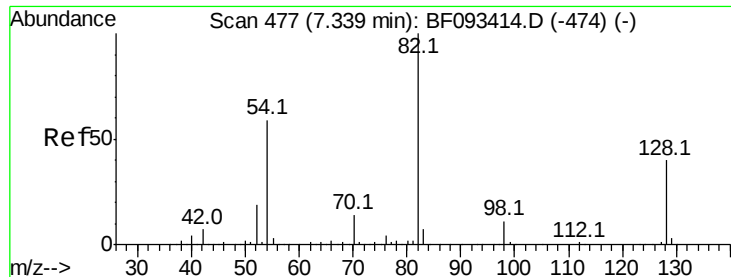
Abundance Ion 136.00 (135.70 to 136.70): E

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

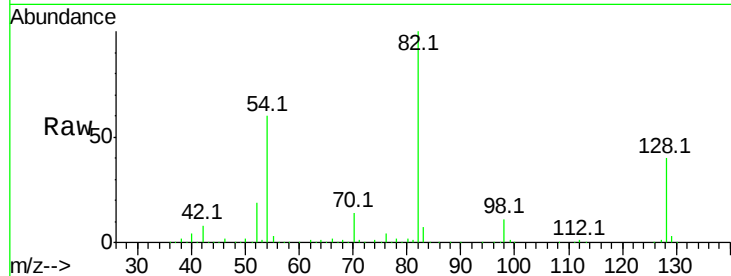




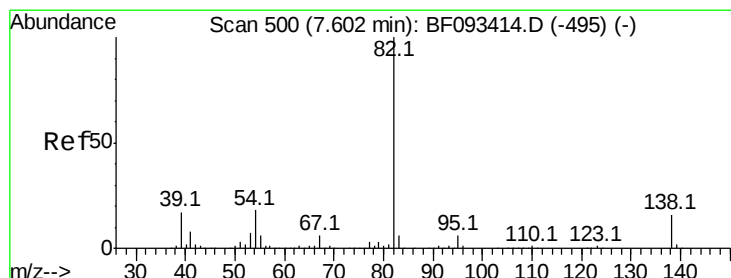
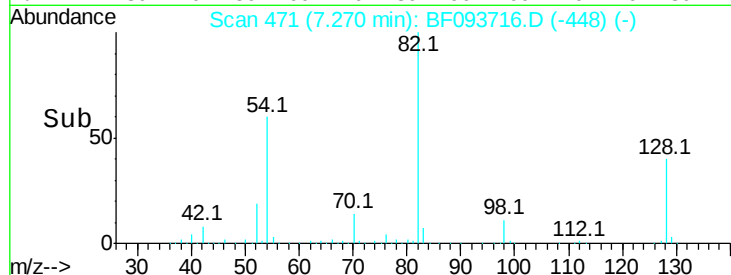
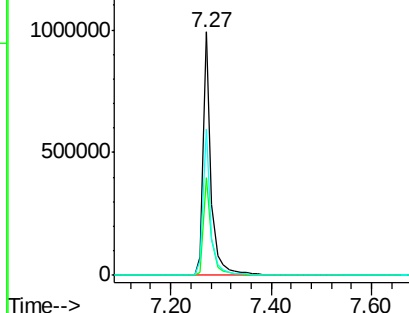
#23
 Nitrobenzene-d5
 Concen: 86.50 ng
 RT: 7.27 min Scan# 471
 Delta R.T. -0.03 min
 Lab File: BF093716.D
 Acq: 16 Mar 2017 19:51

Instrument :
 BNA_F
 ClientSampleId :
 GRINNELL-TOPSOIL

Tot Ion: 82 Resp: 1077517
 Ion Ratio Lower Upper
 82 100
 128 40.1 34.6 52.0
 54 60.2 39.5 59.3#

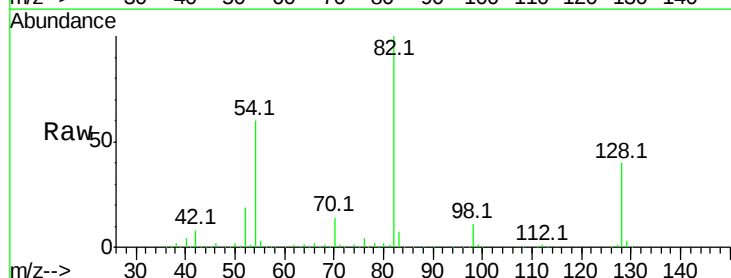


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

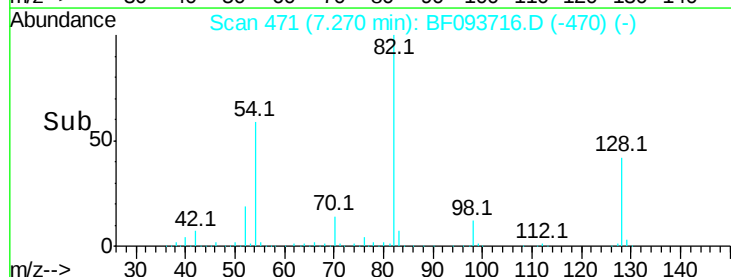
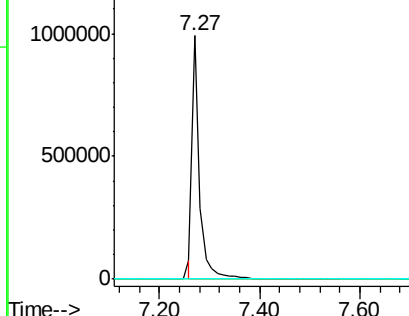


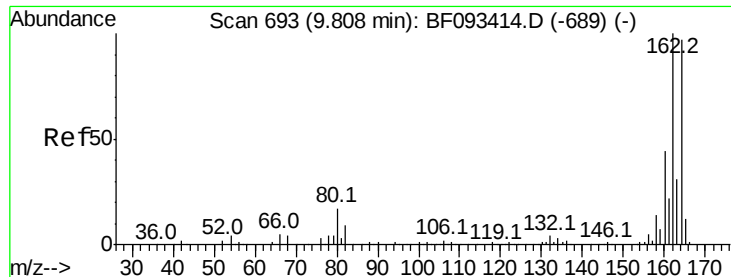
#25
 Isophorone
 Concen: 40.52 ng
 RT: 7.27 min Scan# 471
 Delta R.T. -0.29 min
 Lab File: BF093716.D
 Acq: 16 Mar 2017 19:51

Tgt Ion: 82 Resp: 1017811
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



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

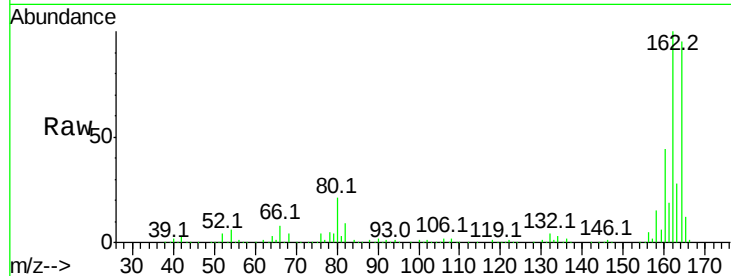




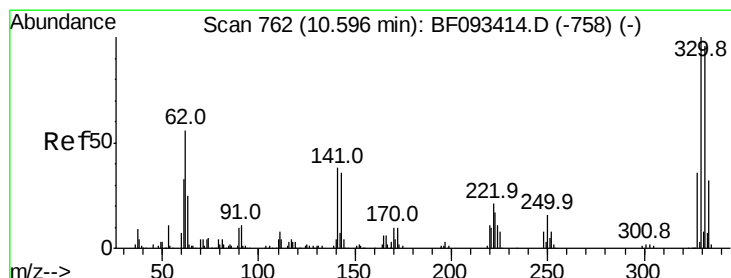
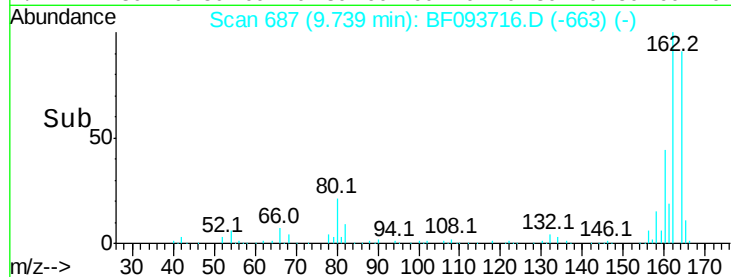
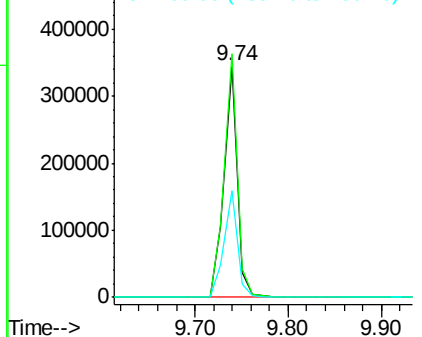
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: BF093716.D
 Acq: 16 Mar 2017 19:51

Instrument :
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 GRINNELL-TOPSOIL

Tot Ion:164 Resp: 340906
 Ion Ratio Lower Upper
 164 100
 162 105.3 80.2 120.2
 160 46.1 36.9 55.3

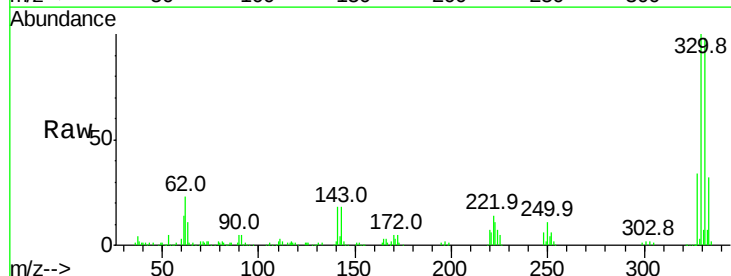


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

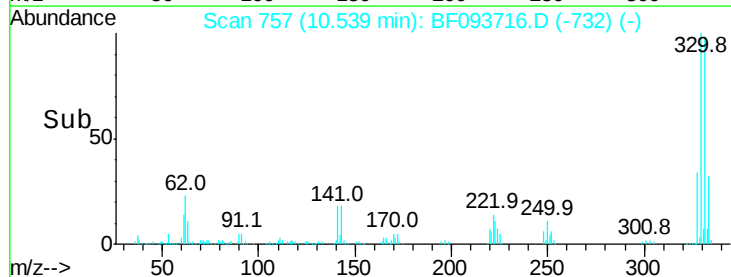
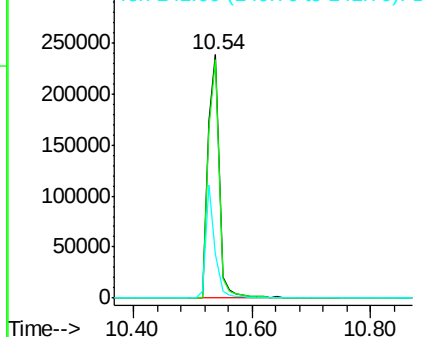


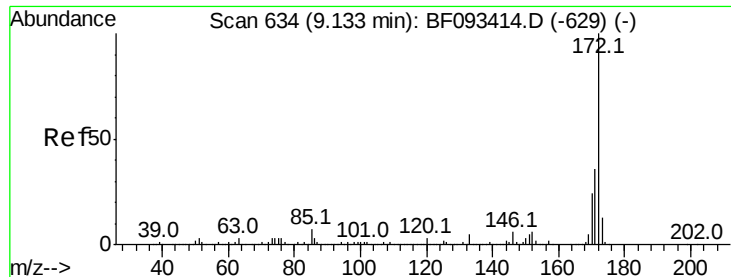
#41
 2,4,6-Tribromophenol
 Concen: 141.98 ng
 RT: 10.54 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF093716.D
 Acq: 16 Mar 2017 19:51

Tgt Ion:330 Resp: 315350
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.4 116.2
 141 37.9 34.1 51.1



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: 87.28 ng

RT: 9.06 min Scan# 628

Delta R.T. -0.02 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

Instrument :

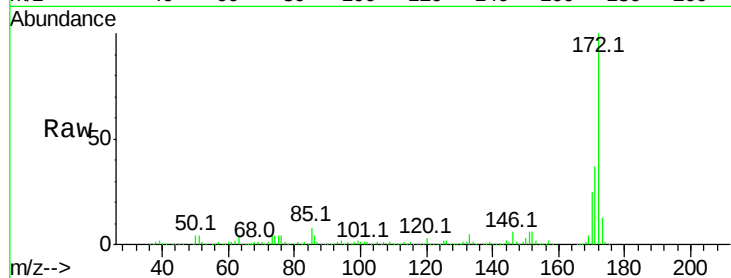
BNA_F

ClientSampleId :

GRINNELL-TOPSOIL

Tot Ion:172 Resp: 1599690

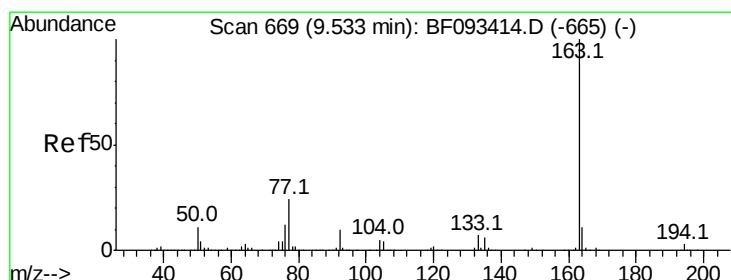
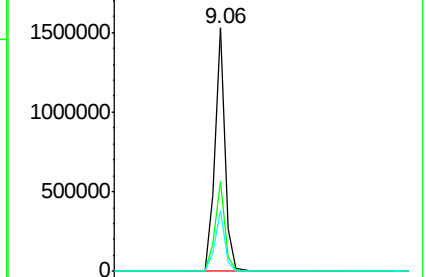
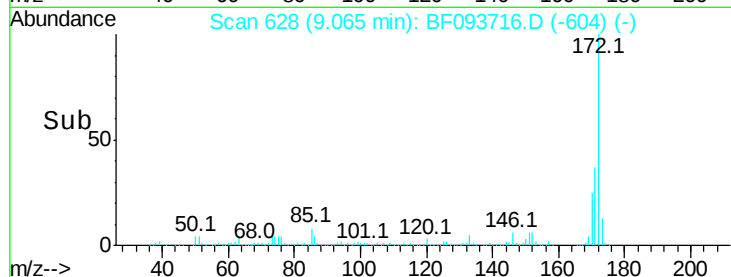
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.7	20.2	30.4



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: 9.07 ng

RT: 9.46 min Scan# 663

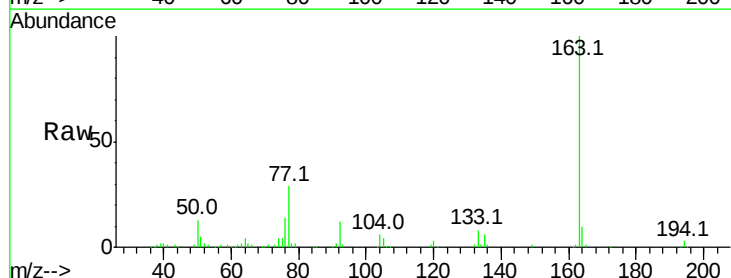
Delta R.T. -0.03 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

Tgt Ion:163 Resp: 204992

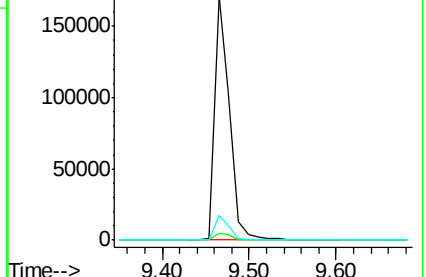
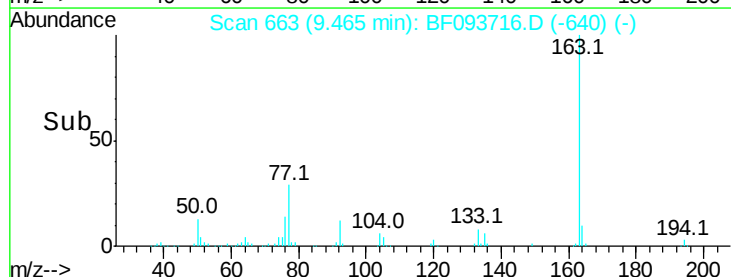
Ion	Ratio	Lower	Upper
163	100		
194	2.8	3.0	4.4#
164	10.1	8.0	12.0

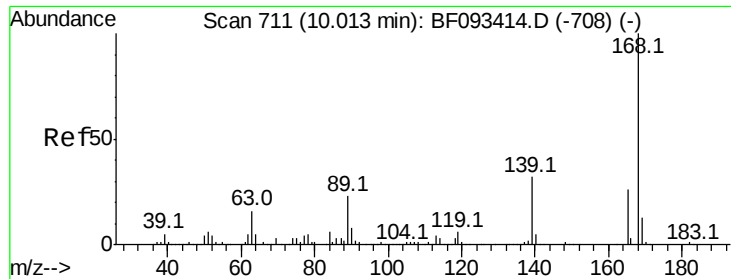


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.86 ng

RT: 9.74 min Scan# 687

Delta R.T. -0.24 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:165 Resp: 41790

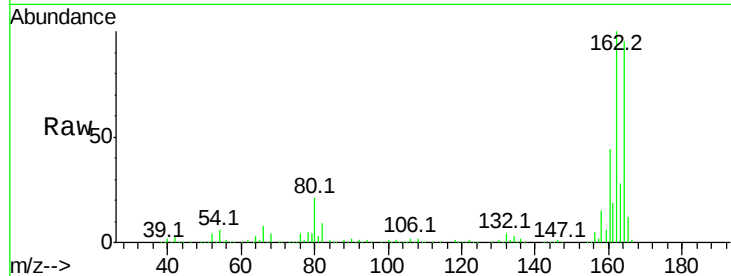
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.5 62.5 93.7#

182 0.0 1.8 2.8#

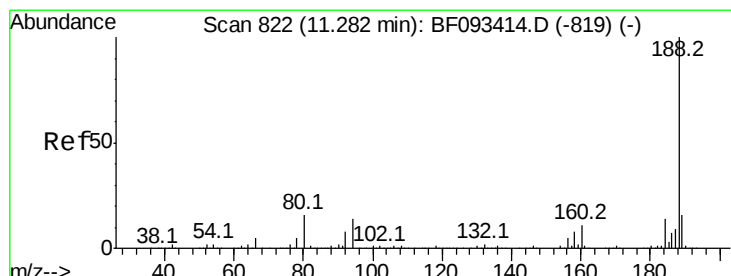
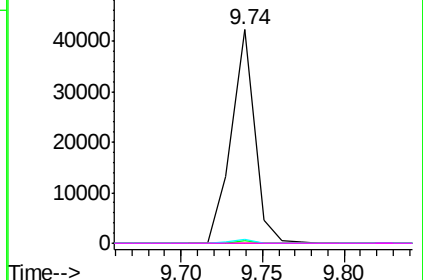
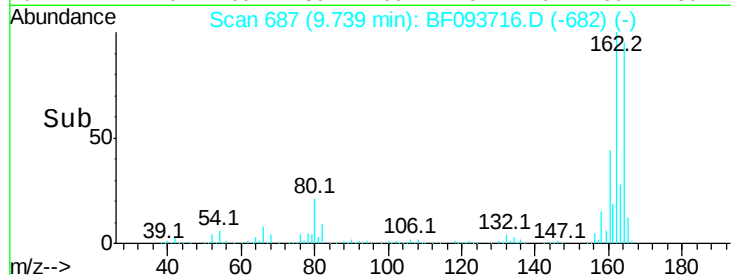


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

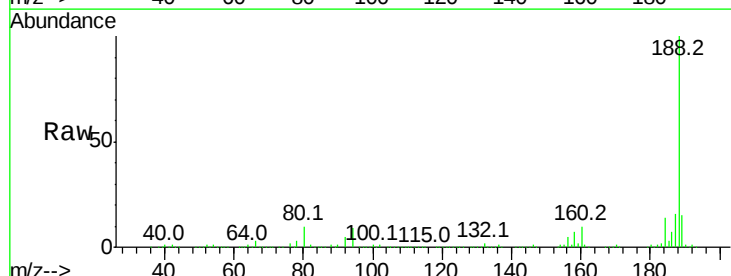
Tgt Ion:188 Resp: 638367

Ion Ratio Lower Upper

188 100

94 9.1 10.0 15.0#

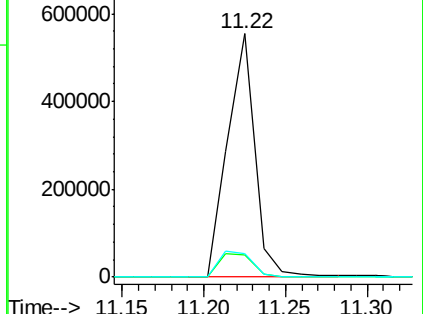
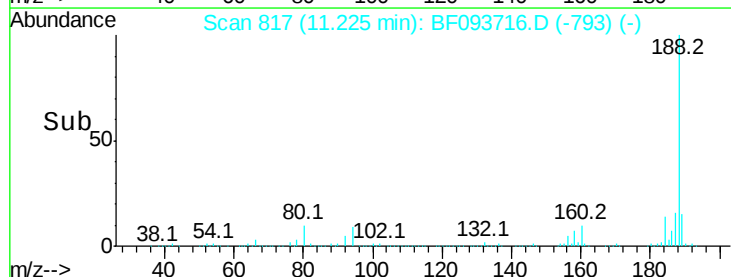
80 9.7 11.2 16.8#

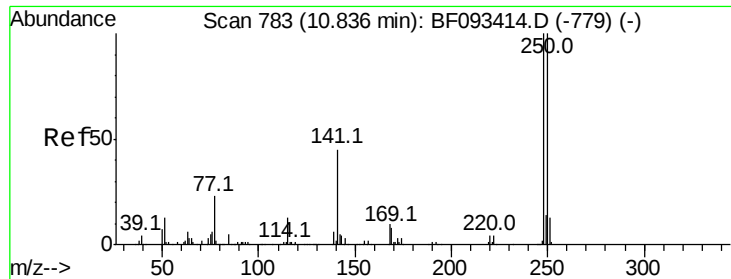


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.20 ng

RT: 10.53 min Scan# 756

Delta R.T. -0.26 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

GRINNELL-TOPSOIL

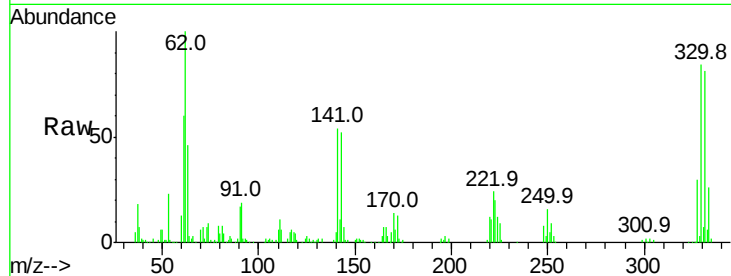
Tot Ion:248 Resp: 21629

Ion Ratio Lower Upper

248 100

250 206.4 76.9 115.3#

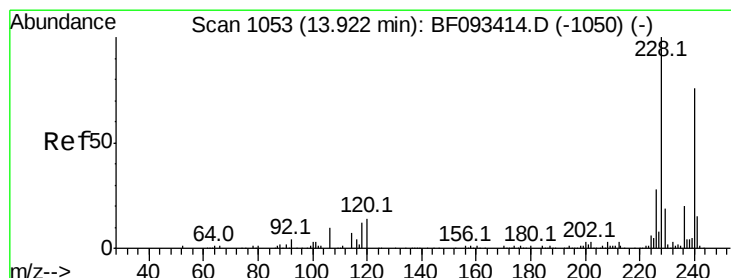
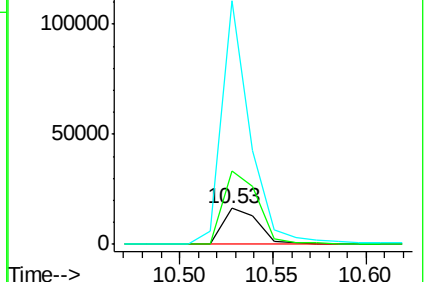
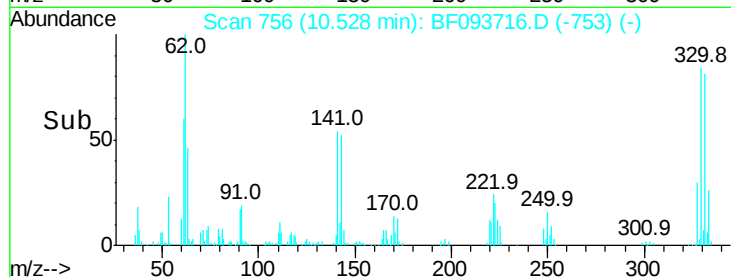
141 679.8 68.2 102.4#



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: 13.85 min Scan# 1047

Delta R.T. -0.03 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

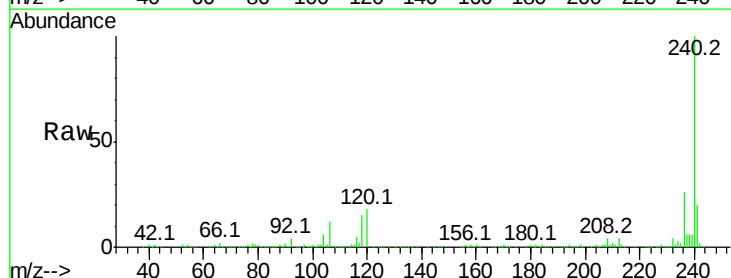
Tgt Ion:240 Resp: 491024

Ion Ratio Lower Upper

240 100

120 17.8 12.9 19.3

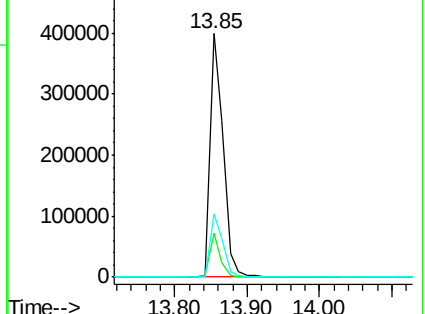
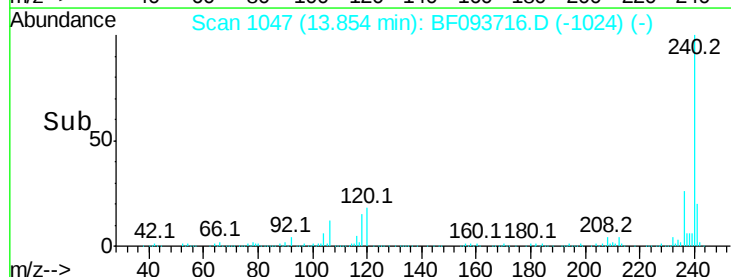
236 26.0 20.9 31.3

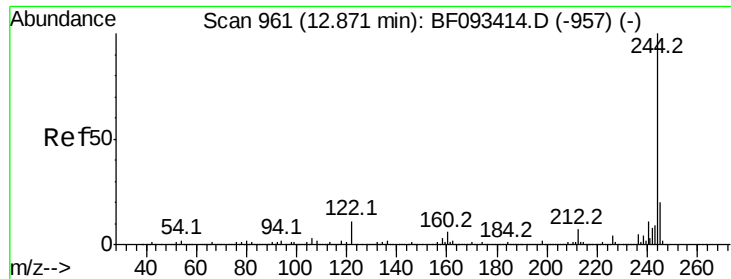


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 67.73 ng

RT: 12.80 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

GRINNELL-TOPSOIL

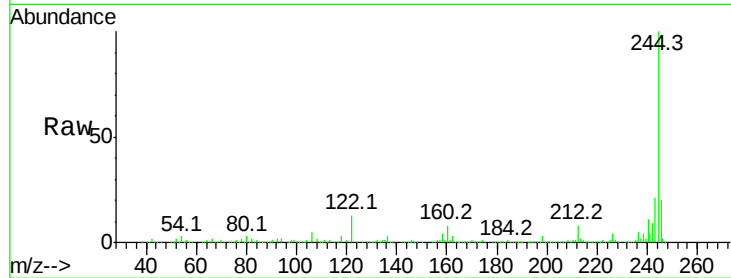
Tot Ion:244 Resp: 1279065

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

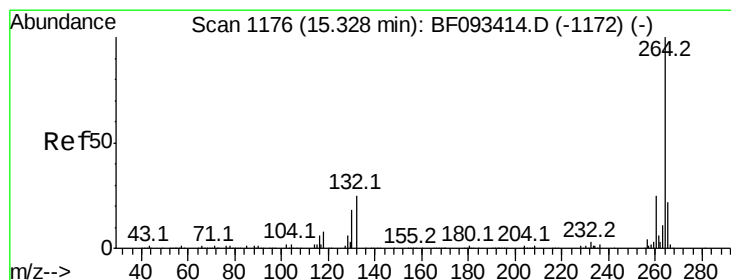
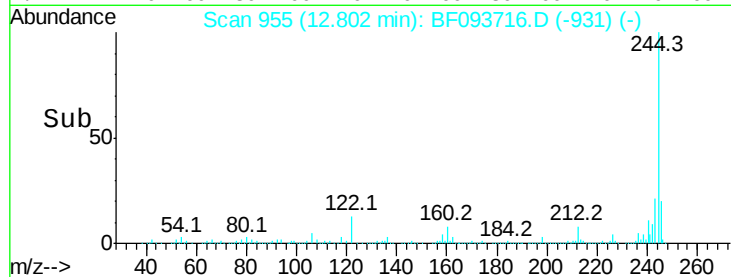
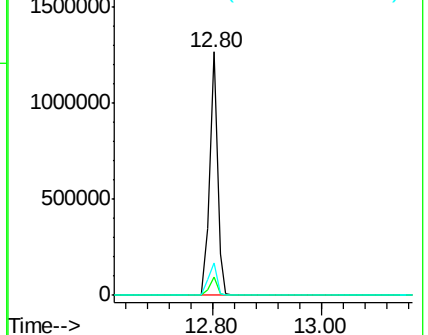
122 13.4 11.4 17.2



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: 20.00 ng

RT: 15.26 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF093716.D

Acq: 16 Mar 2017 19:51

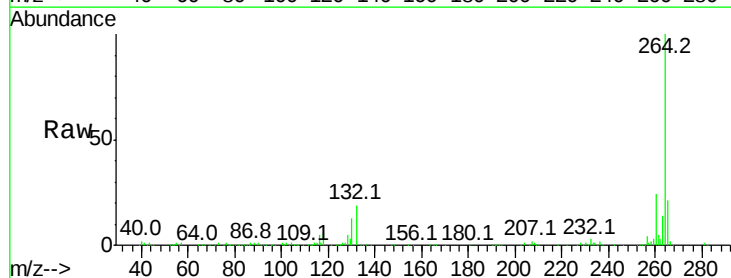
Tgt Ion:264 Resp: 343485

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.1 17.4 26.0



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

