

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098090.D
 Acq On : 29 Aug 2017 2:25
 Operator : SJ/JU
 Sample : I4965-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-OLDCASTLE-CO

Quant Time: Aug 29 09:17:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

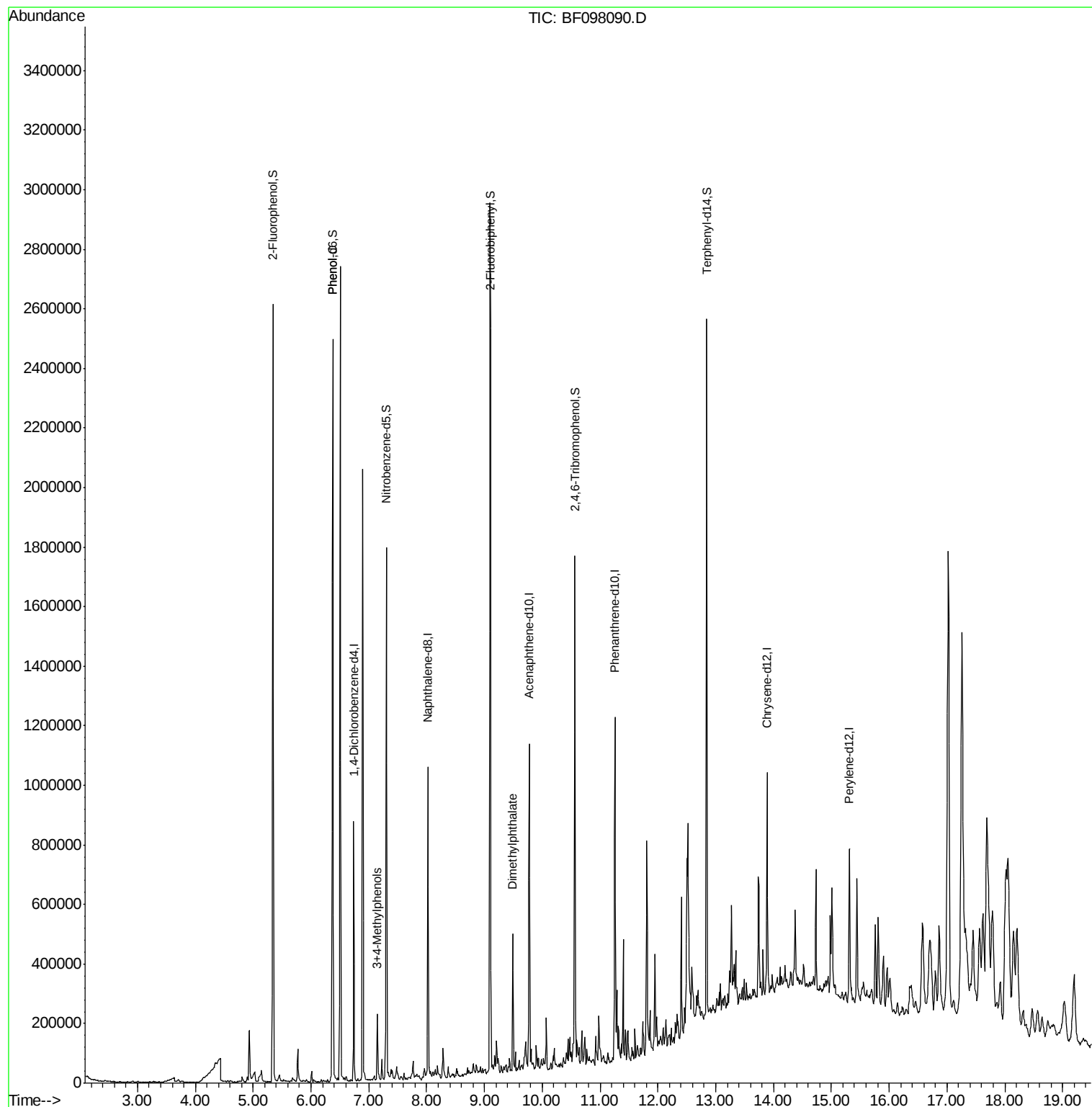
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	109571	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	433546	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	193224	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	353356	20.00	ng	0.00
75) Chrysene-d12	13.89	240	239635	20.00	ng	0.00
86) Perylene-d12	15.32	264	236201	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	767282	106.51	ng	0.00
7) Phenol-d6	6.38	99	1062102	108.52	ng	0.00
23) Nitrobenzene-d5	7.30	82	636148	79.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	191277	114.09	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	926027	70.41	ng	-0.01
78) Terphenyl-d14	12.84	244	684402	59.56	ng	0.00
Target Compounds						
10) Phenol	6.39	94	37668	3.291	ng	97
20) 3+4-Methylphenols	7.15	107	58129	7.109	ng	# 64
49) Dimethylphthalate	9.49	163	161346	11.423	ng	100

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

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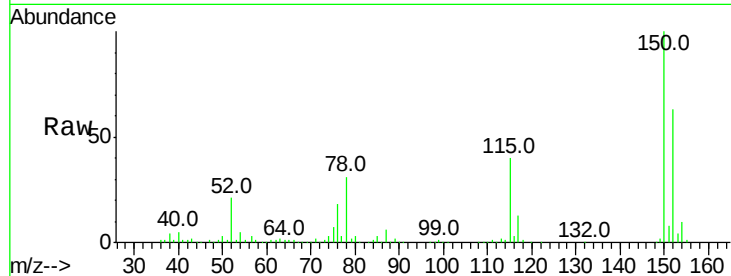


#1

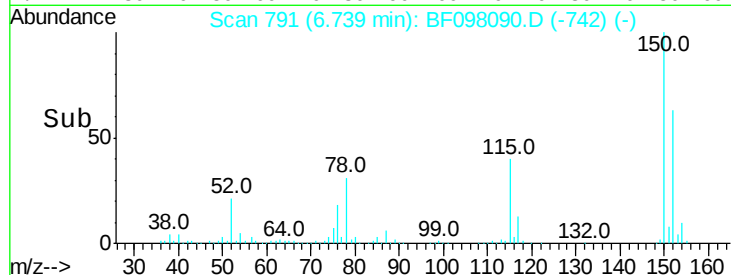
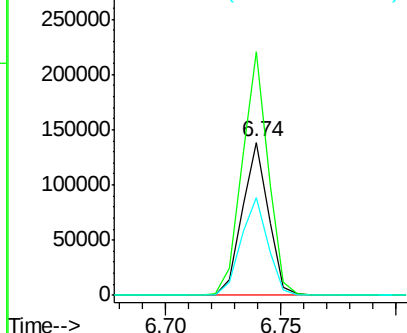
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098090.D
Acq: 29 Aug 2017 2:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OLDCASTLE-CO

Tot Ion:152 Resp: 109571
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.2
115 64.2 52.2 78.2



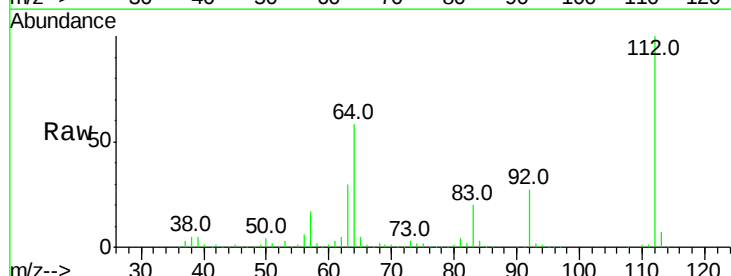
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



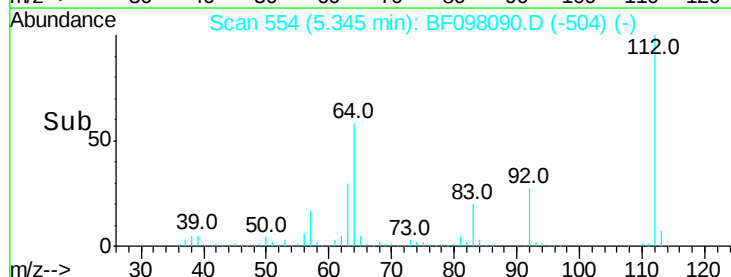
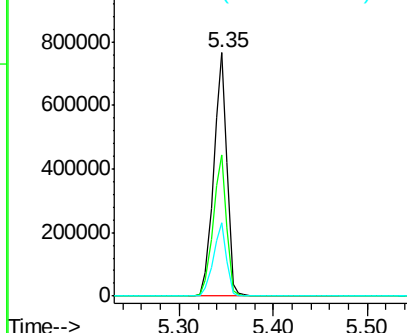
#5

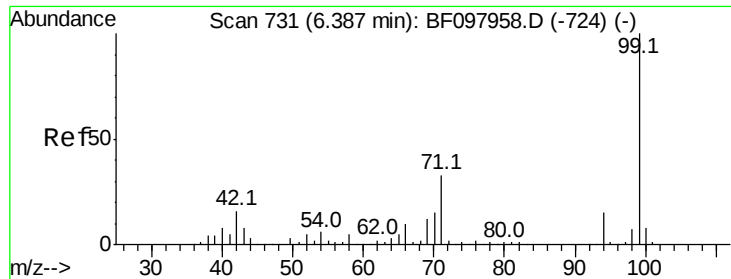
2-Fluorophenol
Concen: 106.515 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098090.D
Acq: 29 Aug 2017 2:25

Tgt Ion:112 Resp: 767282
Ion Ratio Lower Upper
112 100
64 58.2 46.0 69.0
63 29.9 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: 108.516 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098090.D

Acq: 29 Aug 2017 2:25

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OLDCASTLE-CO

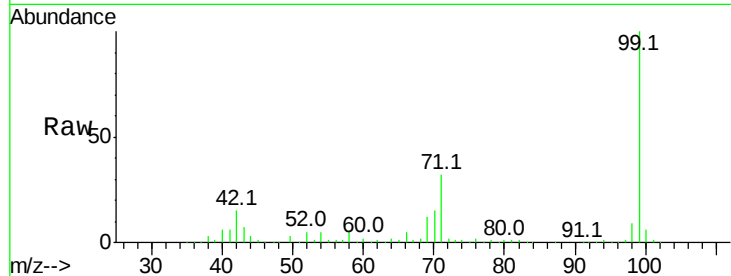
Tot Ion: 99 Resp: 1062102

Ion Ratio Lower Upper

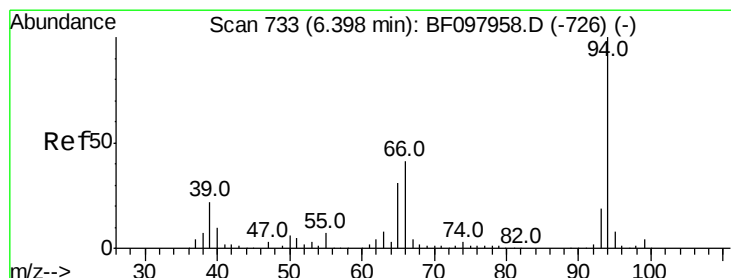
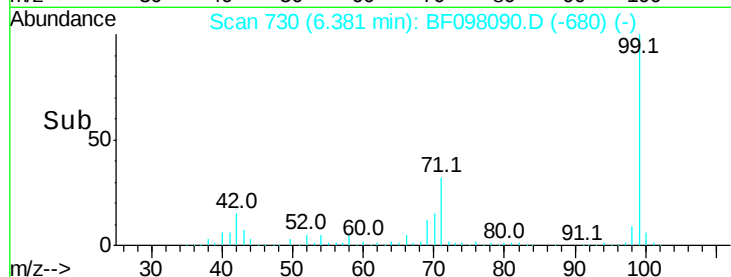
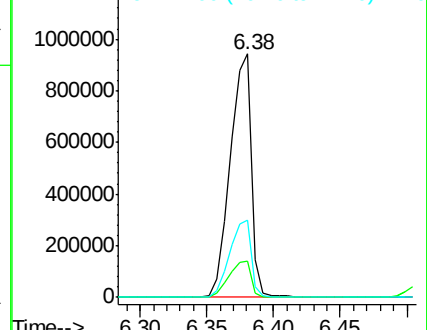
99 100

42 14.9 13.5 20.3

71 31.5 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



#10

Phenol

Concen: 3.291 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098090.D

Acq: 29 Aug 2017 2:25

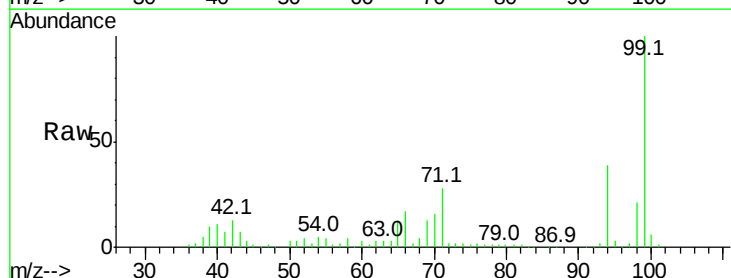
Tgt Ion: 94 Resp: 37668

Ion Ratio Lower Upper

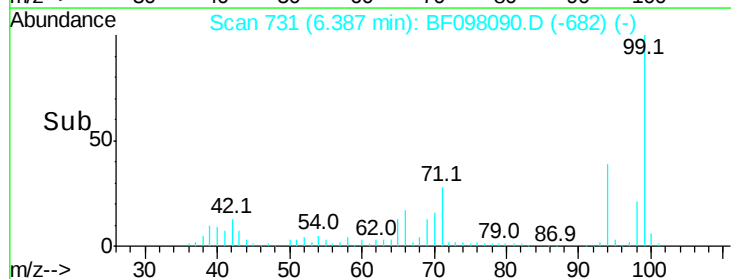
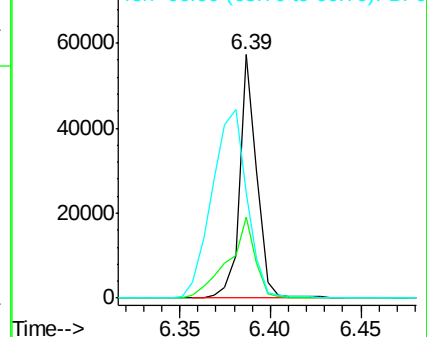
94 100

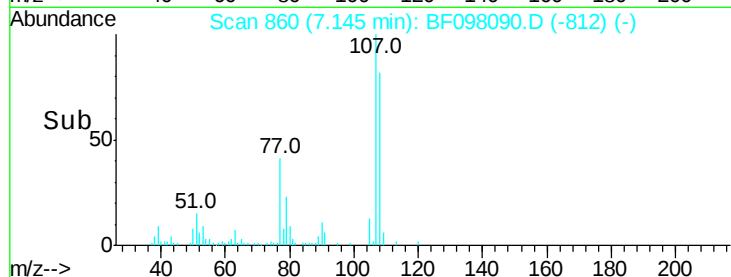
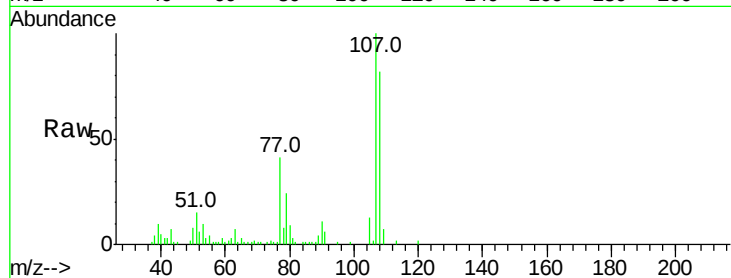
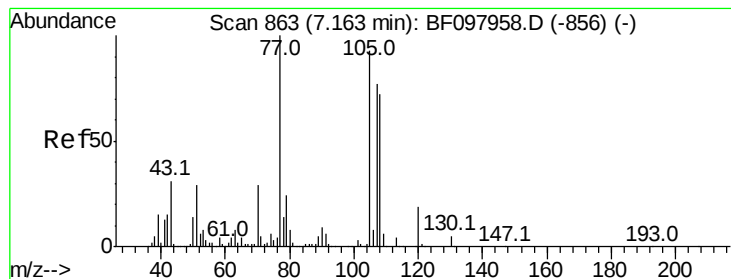
65 33.2 9.9 49.9

66 43.5 23.1 63.1



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





#20

3+4-Methylphenols

Concen: 7.109 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: BF098090.D

Acq: 29 Aug 2017 2:25

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OLDCASTLE-CO

Tot Ion:107 Resp: 58129

Ion Ratio Lower Upper

107 100

108 82.0 71.0 111.0

77 41.3 90.5 130.5#

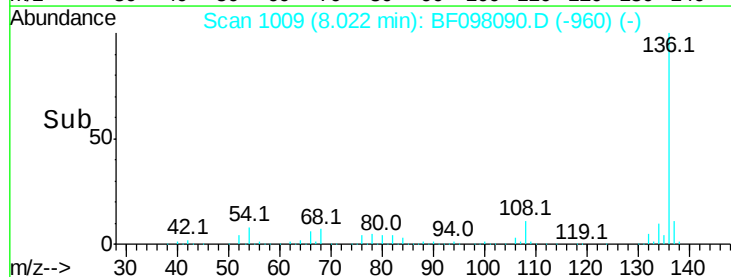
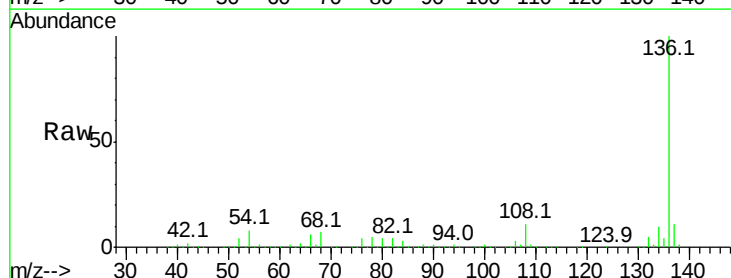
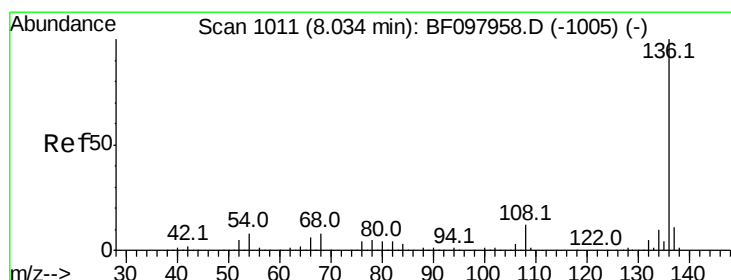
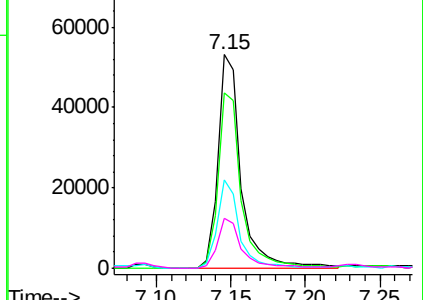
79 23.6 8.4 48.4

Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098090.D

Acq: 29 Aug 2017 2:25

Tgt Ion:136 Resp: 433546

Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.6 4.9 7.3#

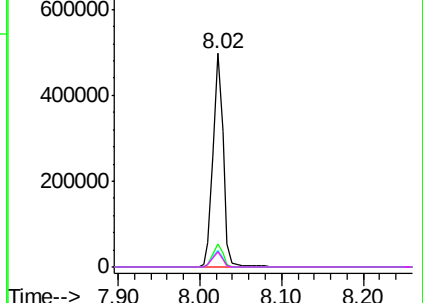
68 7.3 4.1 6.1#

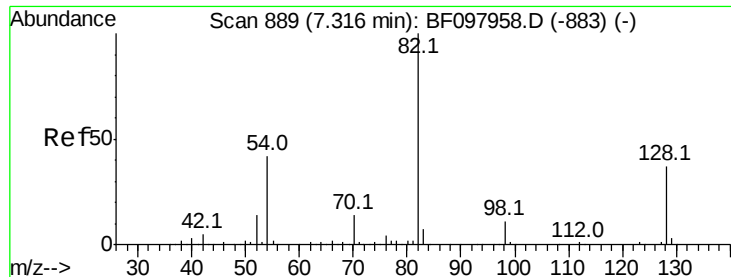
Abundance Ion 136.00 (135.70 to 136.70): E

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

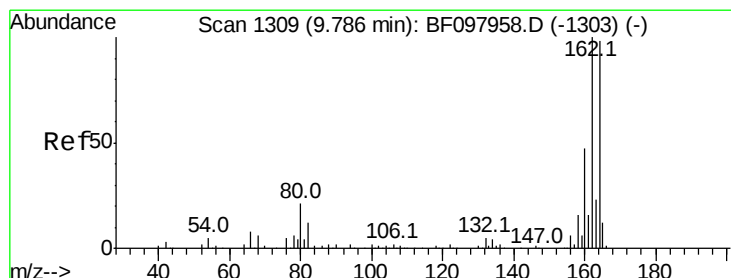
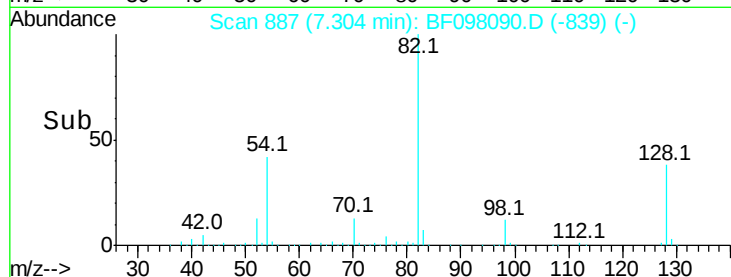
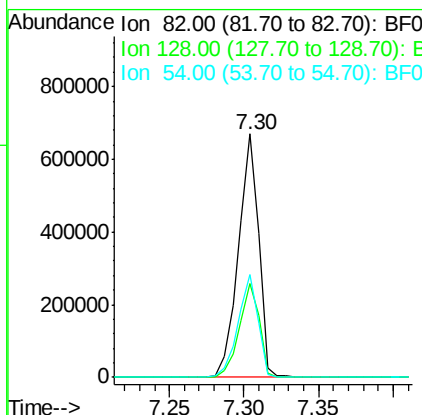
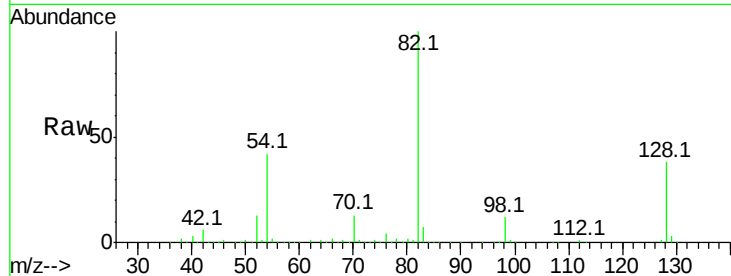




#23
 Nitrobenzene-d5
 Concen: 79.711 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098090.D
 Acq: 29 Aug 2017 2:25

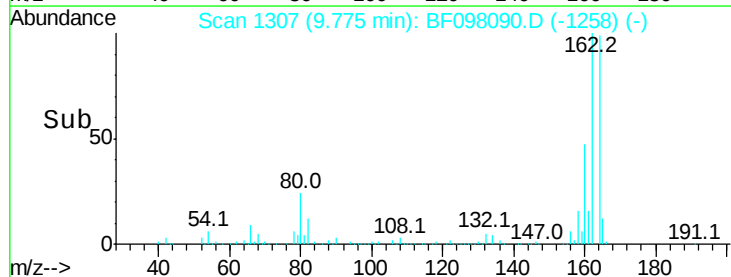
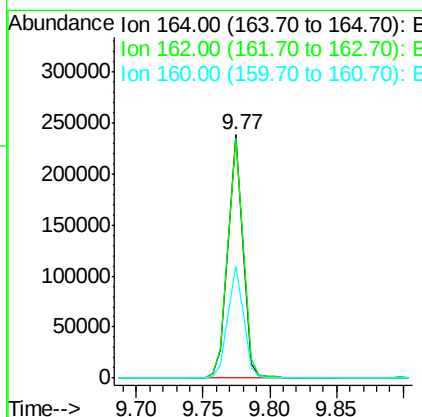
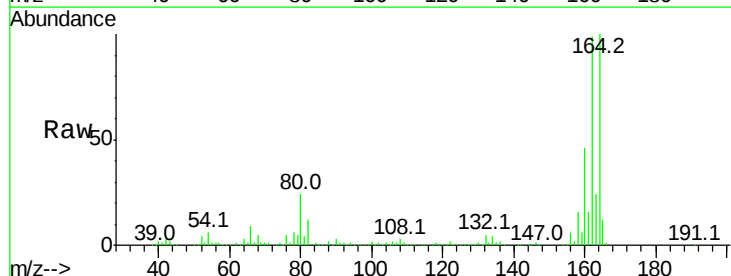
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-OLDCASTLE-CO

Tot Ion	82	Resp	636148
Ion Ratio	Lower	Upper	
82	100		
128	38.4	34.0	51.0
54	42.3	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098090.D
 Acq: 29 Aug 2017 2:25

Tgt Ion	164	Resp	193224
Ion Ratio	Lower	Upper	
164	100		
162	98.7	82.6	123.8
160	45.7	36.2	54.2

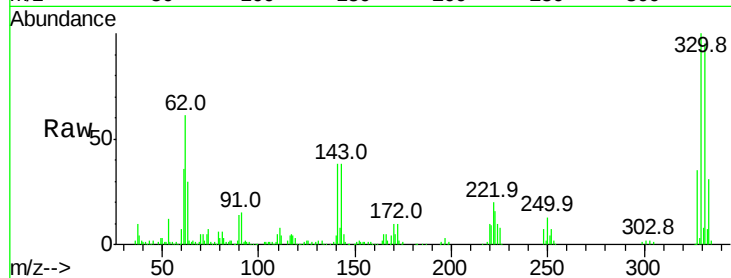




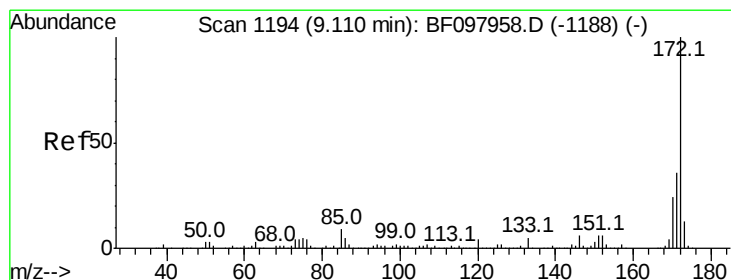
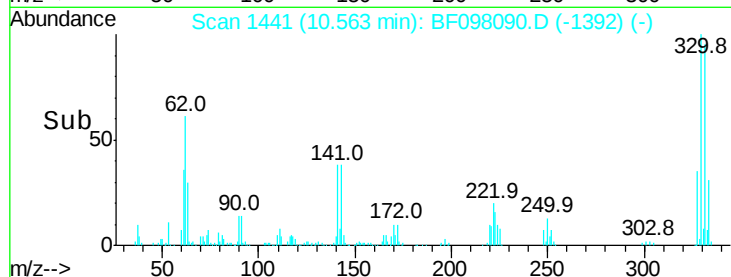
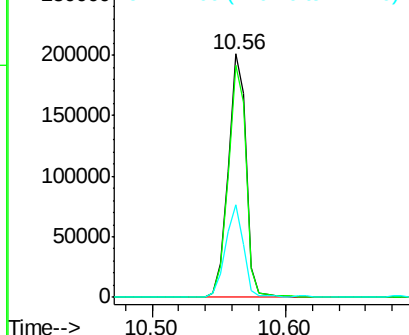
#41
 2,4,6-Tribromophenol
 Concen: 114.091 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098090.D
 Acq: 29 Aug 2017 2:25

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-OLDCASTLE-CO

Tot Ion:330 Resp: 191277
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 38.6 31.4 47.2

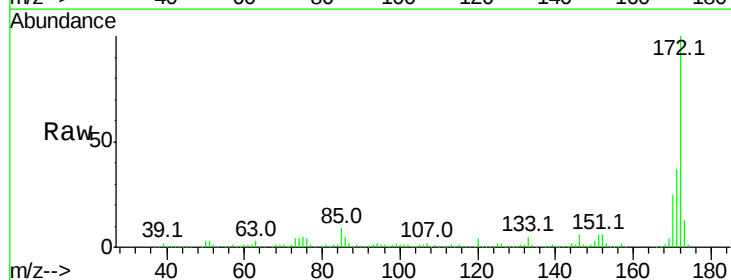


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

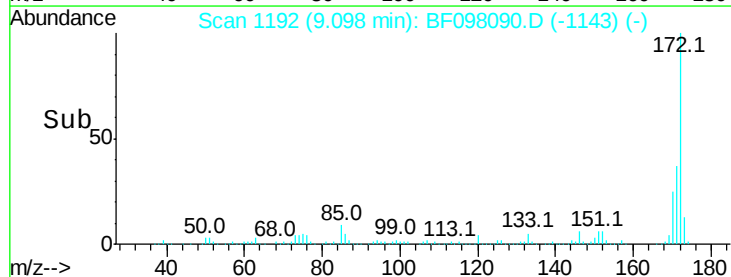
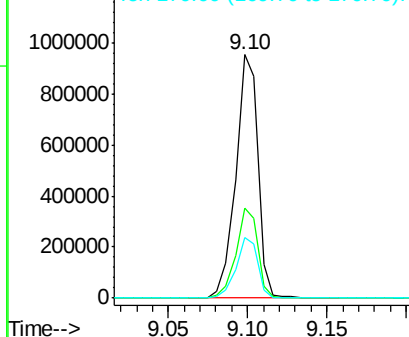


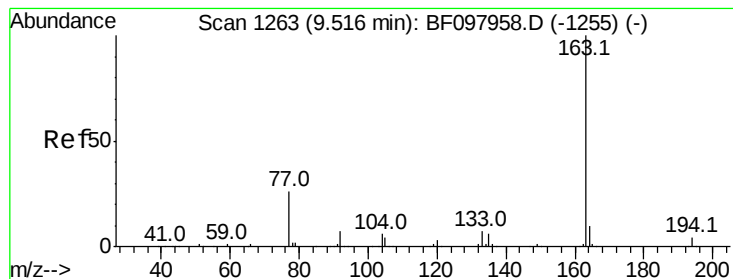
#44
 2-Fluorobiphenyl
 Concen: 70.412 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098090.D
 Acq: 29 Aug 2017 2:25

Tgt Ion:172 Resp: 926027
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 24.7 19.8 29.8



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: 11.423 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF098090.D

Acq: 29 Aug 2017 2:25

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OLDCASTLE-CO

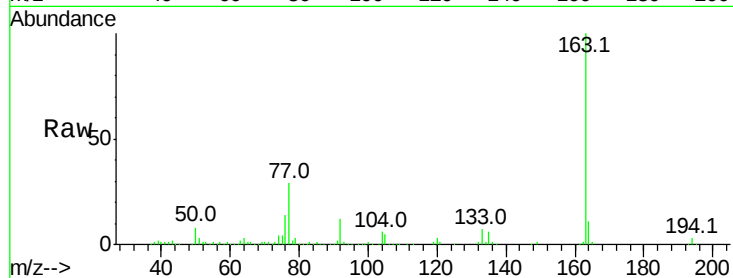
Tot Ion:163 Resp: 161346

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

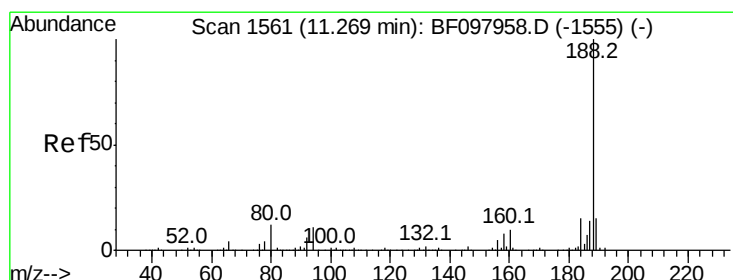
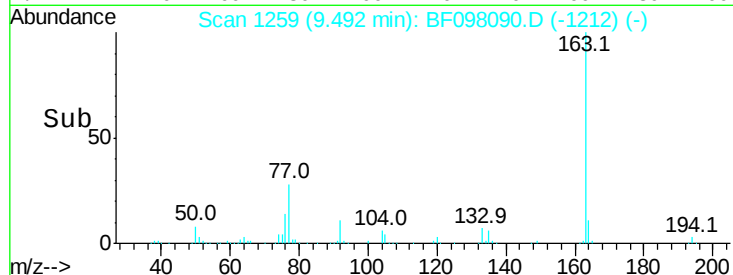
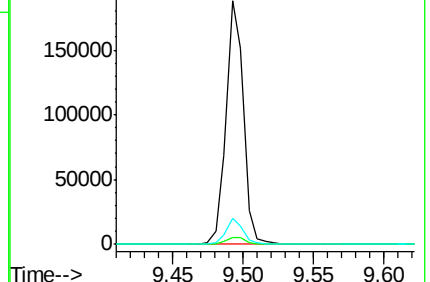
164 10.6 8.4 12.6



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: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF098090.D

Acq: 29 Aug 2017 2:25

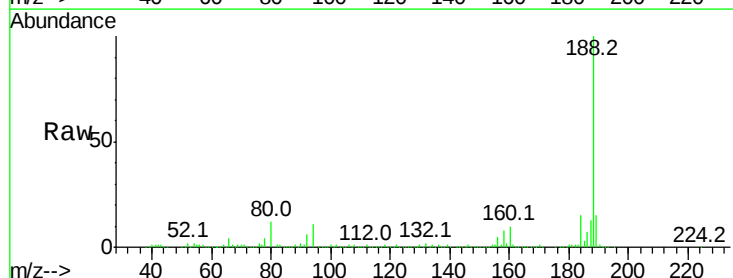
Tgt Ion:188 Resp: 353356

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

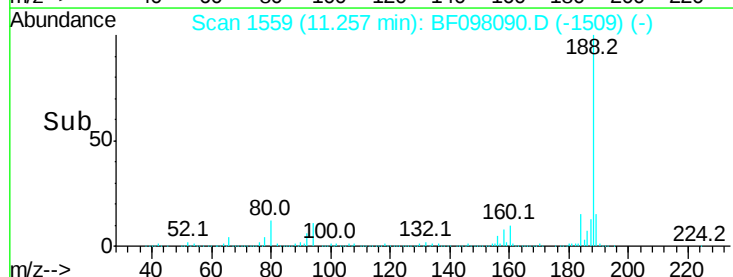
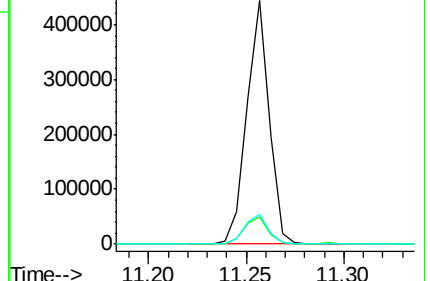
80 12.1 10.2 15.2

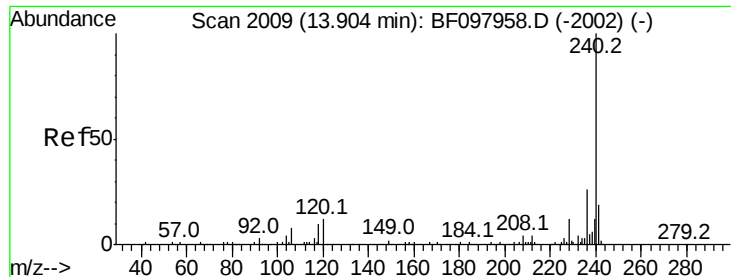


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF098090.D

Acq: 29 Aug 2017 2:25

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OLDCASTLE-CO

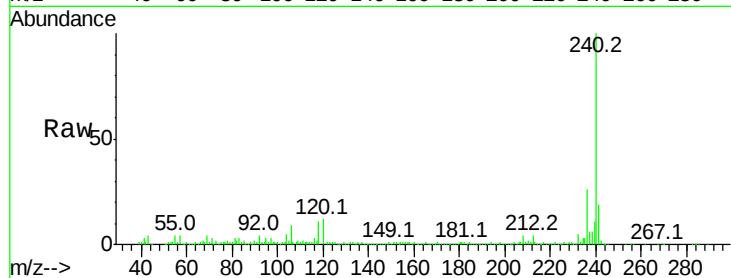
Tot Ion:240 Resp: 239635

Ion Ratio Lower Upper

240 100

120 12.0 5.8 8.8#

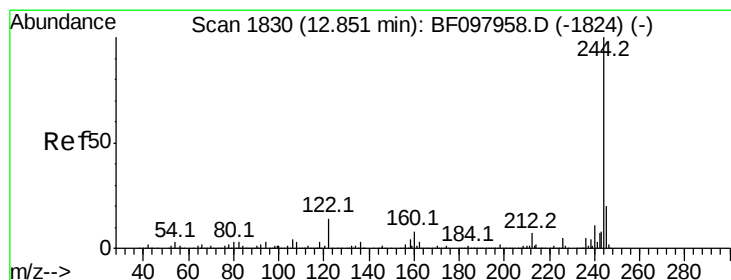
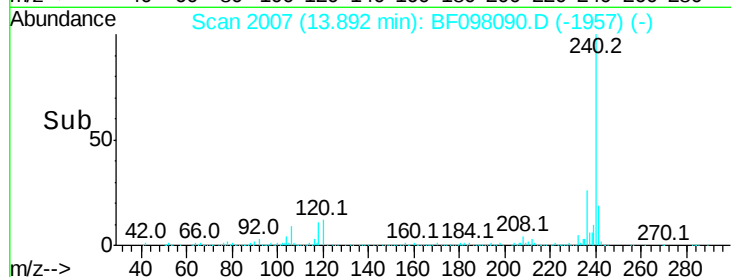
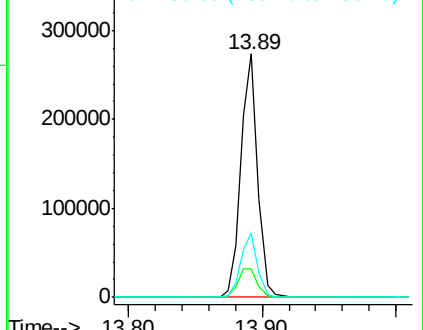
236 26.3 20.5 30.7



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: 59.558 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098090.D

Acq: 29 Aug 2017 2:25

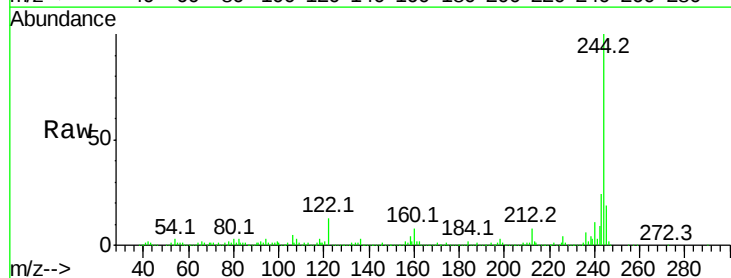
Tgt Ion:244 Resp: 684402

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

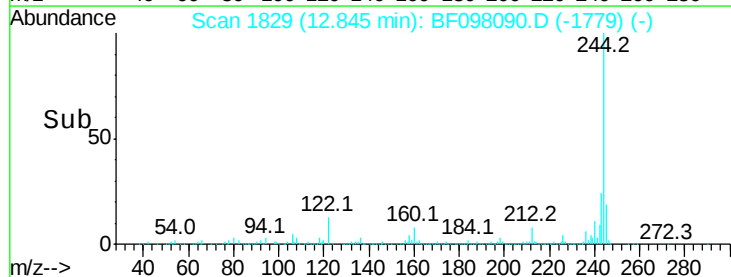
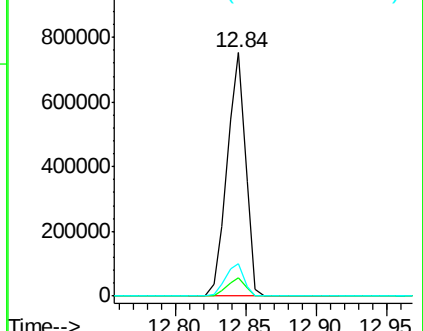
122 13.2 10.3 15.5

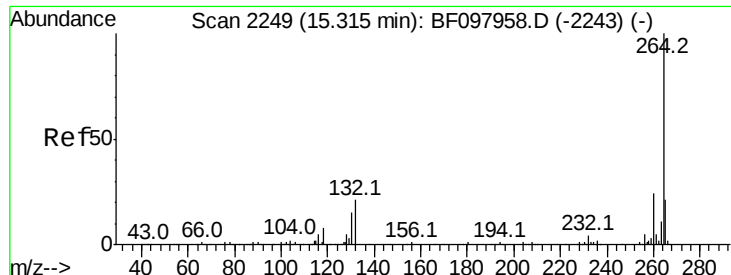


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF098090.D
Acq: 29 Aug 2017 2:25

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OLDCASTLE-CO

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.5	17.2	25.8

