

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
 Data File : BF084664.D
 Acq On : 30 Jan 2016 4:41
 Operator : SJ/IZ
 Sample : H1260-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-012

Quant Time: Jan 30 06:09:02 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

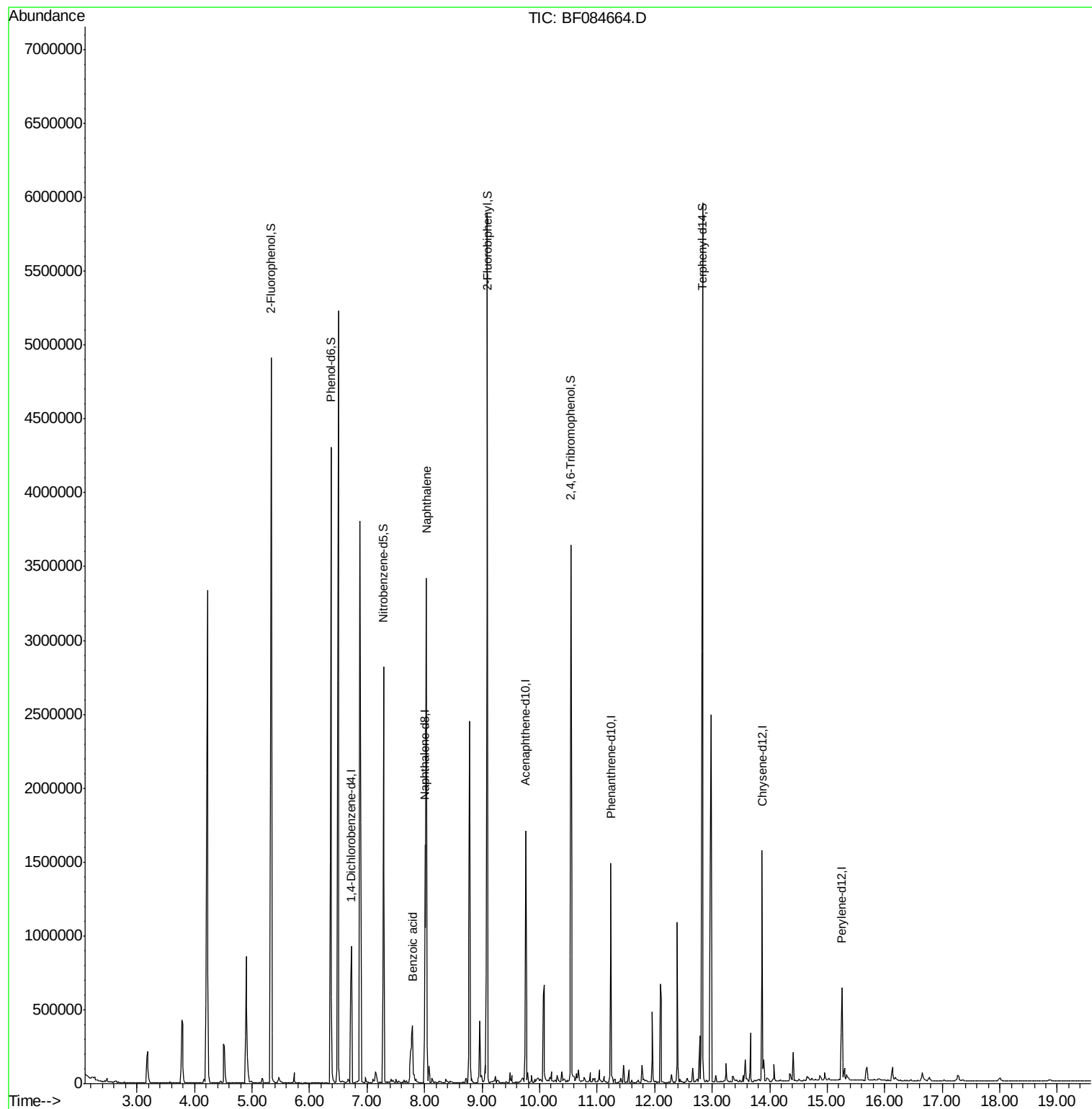
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	180981	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	729955	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	344520	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	659415	20.00	ng	0.00
75) Chrysene-d12	13.87	240	622992	20.00	ng	0.00
86) Perylene-d12	15.25	264	231394	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1385777	115.58	ng	0.02
7) Phenol-d6	6.37	99	1456748	101.37	ng	0.00
23) Nitrobenzene-d5	7.29	82	1126395	86.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	516353	143.00	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	2182537	94.16	ng	0.00
78) Terphenyl-d14	12.83	244	2018482	73.18	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.03	128	1450995	39.38	ng	99
32) Benzoic acid	7.79	122	172483	19.42	ng	100

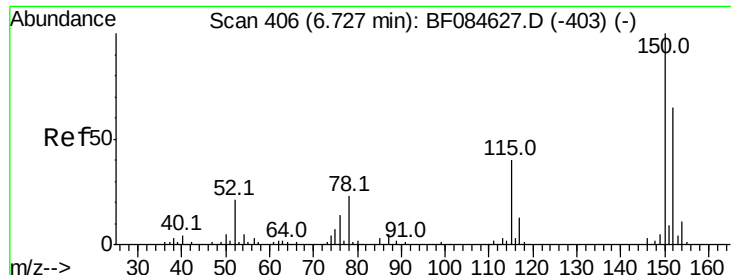
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

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BNA_F

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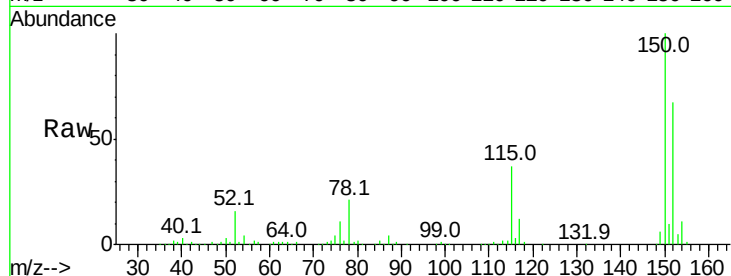
Tot Ion:152 Resp: 180981

Ion Ratio Lower Upper

152 100

150 149.5 123.0 184.4

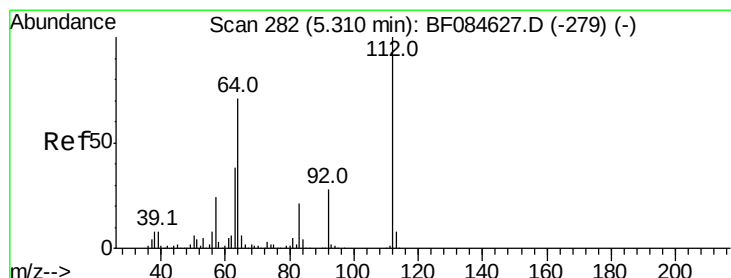
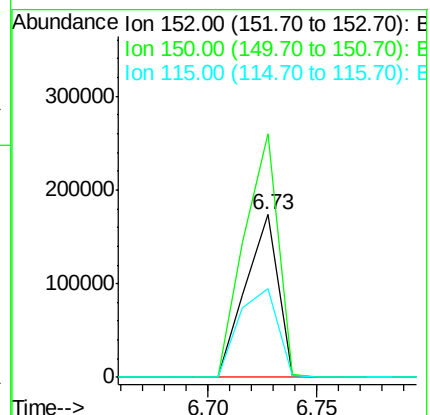
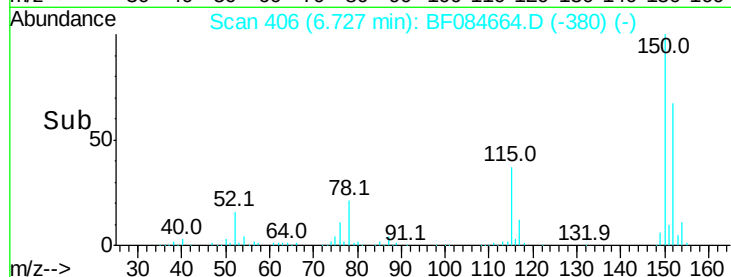
115 54.7 51.4 77.2



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: 115.58 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

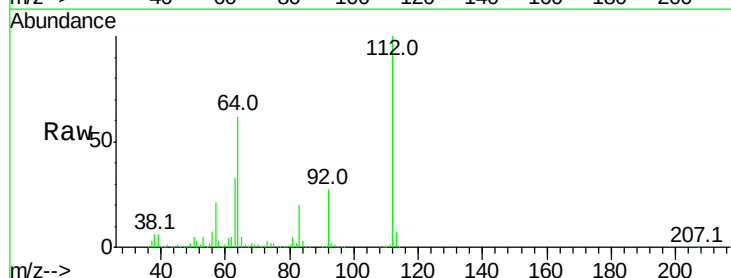
Tgt Ion:112 Resp: 1385777

Ion Ratio Lower Upper

112 100

64 62.0 36.6 55.0#

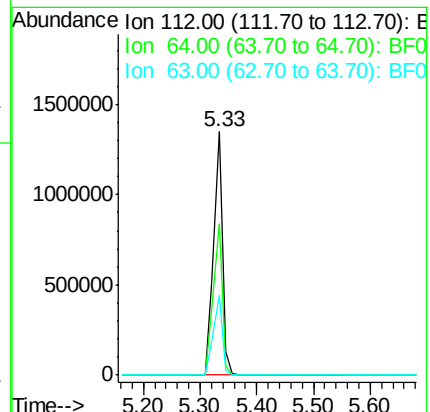
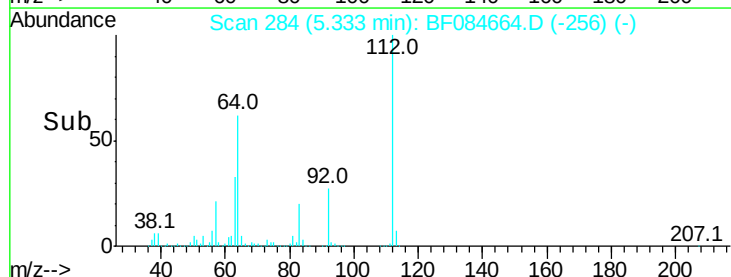
63 33.0 19.4 29.0#

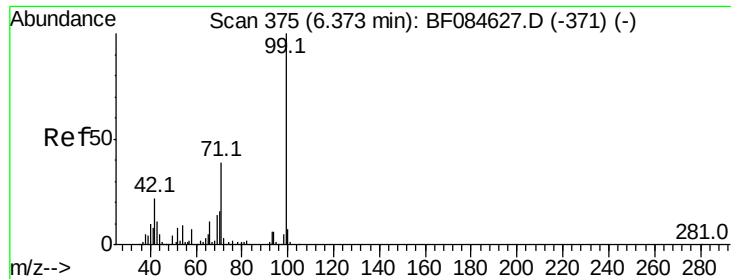


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.37 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-012

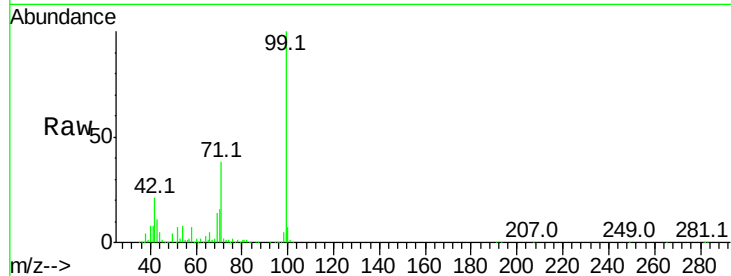
Tot Ion: 99 Resp: 1456748

Ion Ratio Lower Upper

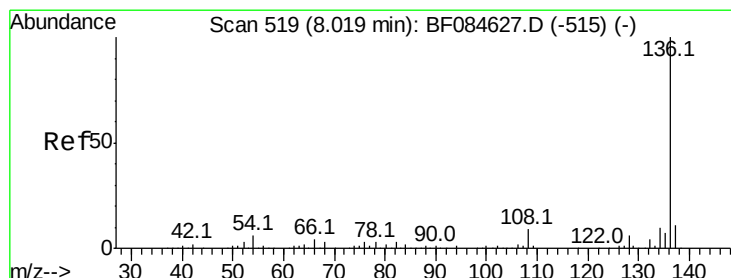
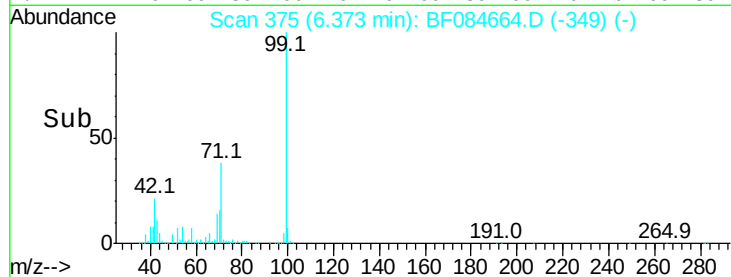
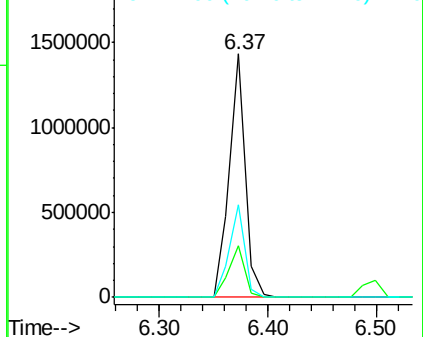
99 100

42 21.0 12.8 19.2#

71 38.2 30.9 46.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

Tgt Ion: 136 Resp: 729955

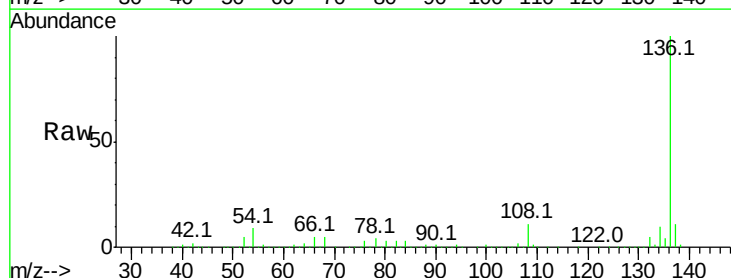
Ion Ratio Lower Upper

136 100

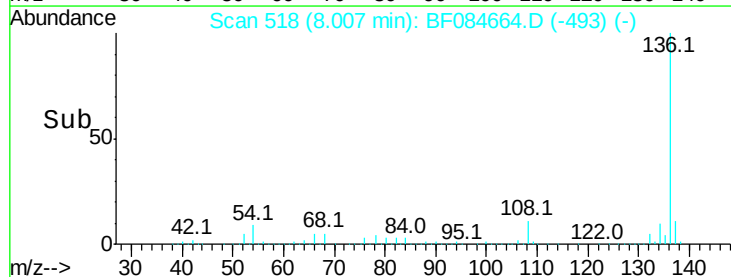
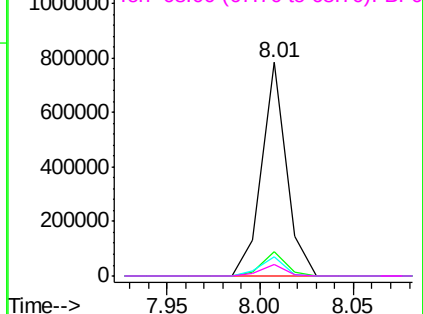
137 11.2 8.7 13.1

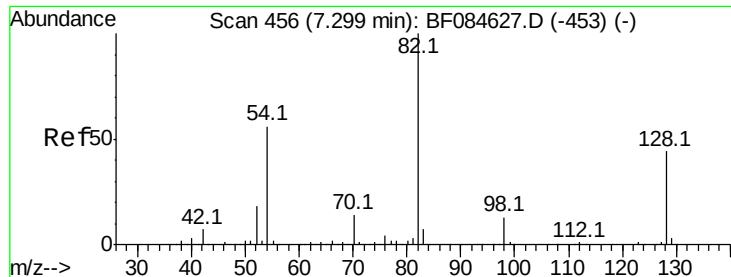
54 9.2 5.8 8.8#

68 5.2 4.2 6.2



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

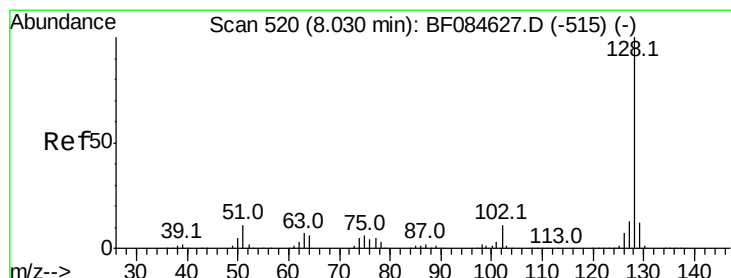
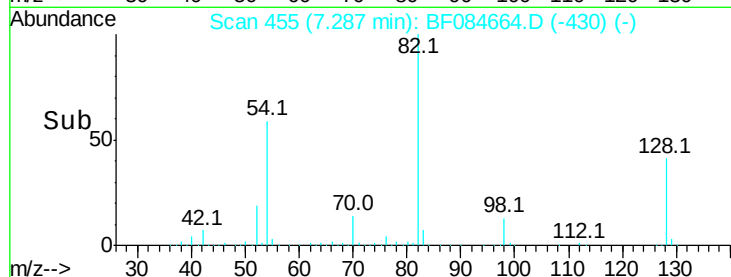
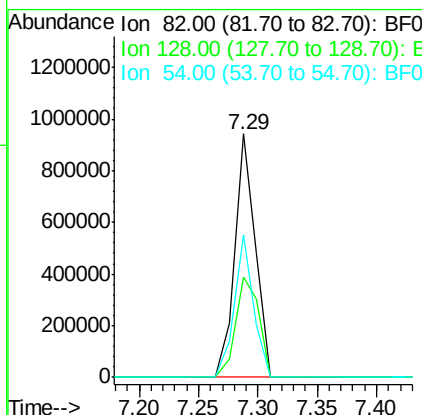
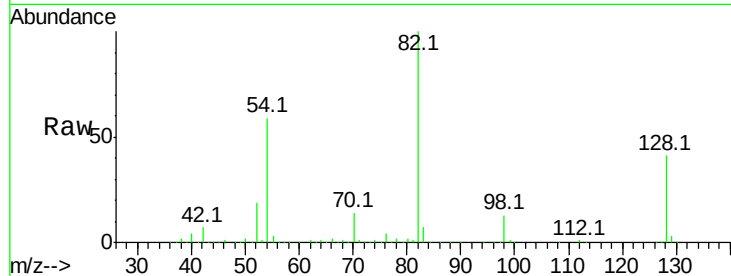




#23
 Nitrobenzene-d5
 Concen: 86.24 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

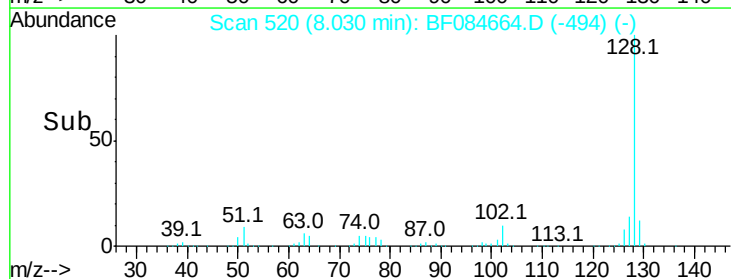
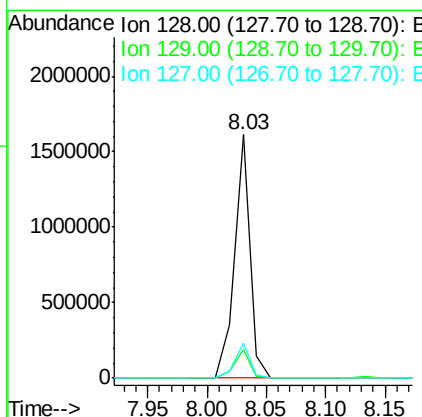
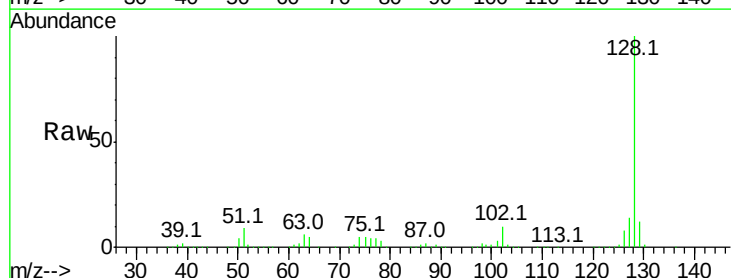
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-012

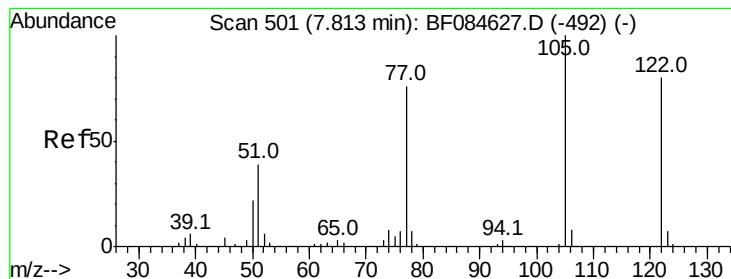
Tot Ion: 82 Resp: 1126395
 Ion Ratio Lower Upper
 82 100
 128 41.2 34.6 51.8
 54 58.5 38.4 57.6#



#31
 Naphthalene
 Concen: 39.38 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

Tgt Ion: 128 Resp: 1450995
 Ion Ratio Lower Upper
 128 100
 129 11.9 9.1 13.7
 127 14.1 11.1 16.7





#32

Benzoic acid

Concen: 19.42 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.02 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-012

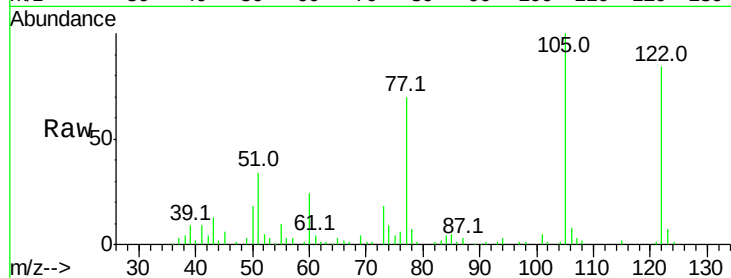
Tot Ion:122 Resp: 172483

Ion Ratio Lower Upper

122 100

105 119.7 100.3 140.3

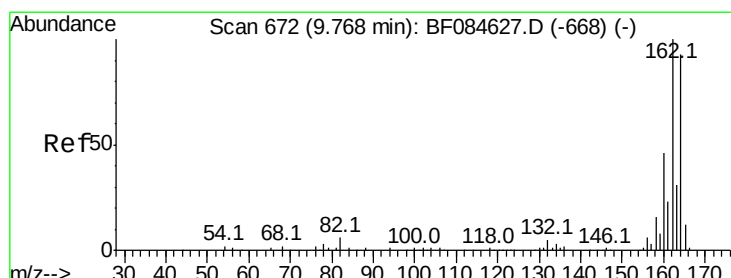
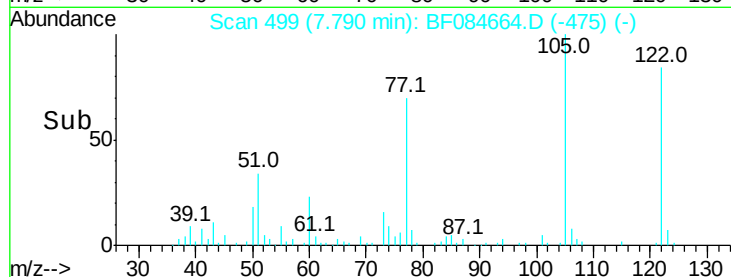
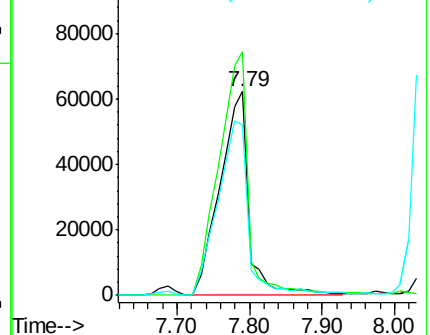
77 83.7 63.5 103.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

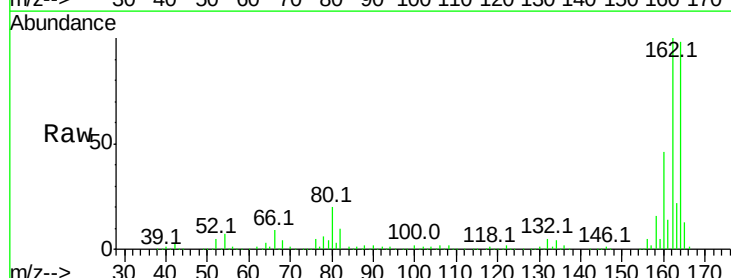
Tgt Ion:164 Resp: 344520

Ion Ratio Lower Upper

164 100

162 102.4 85.1 127.7

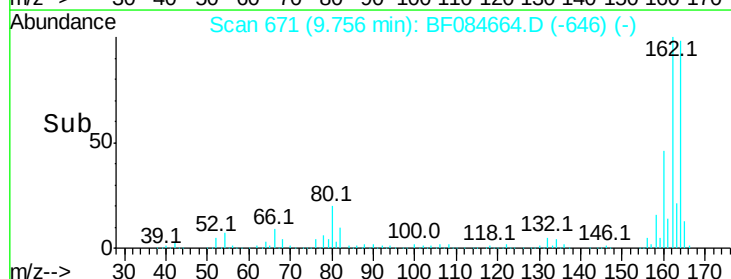
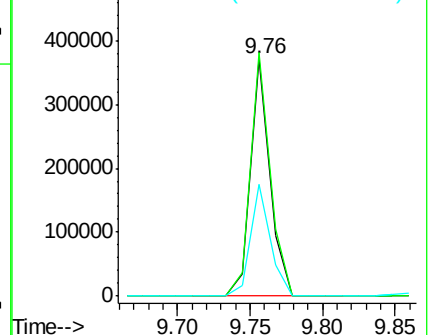
160 46.8 37.5 56.3

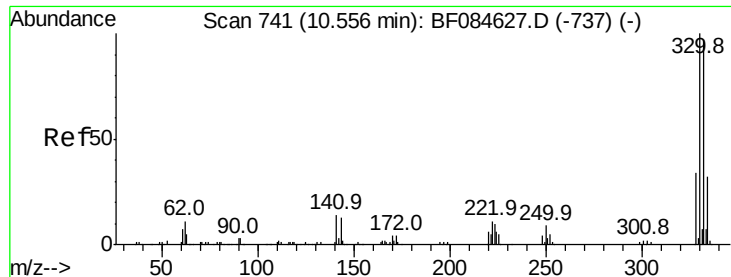


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

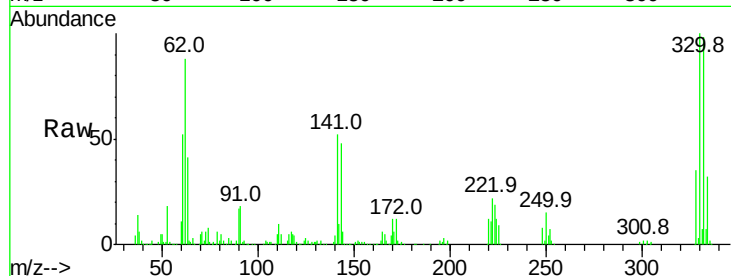




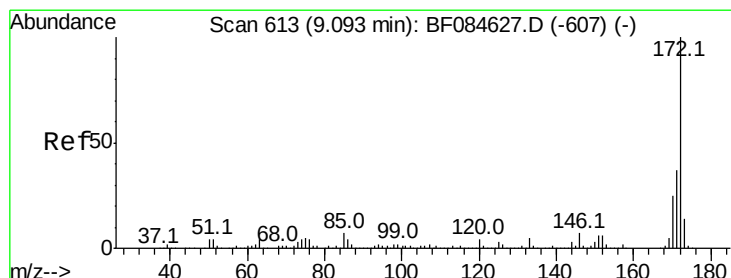
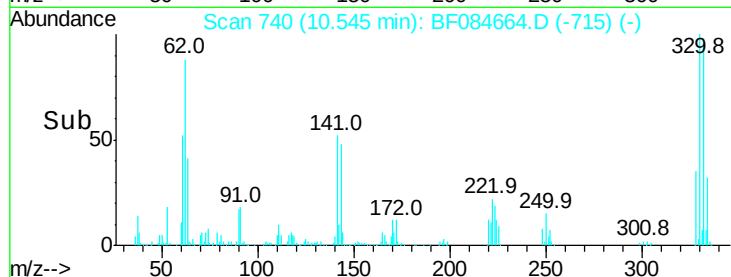
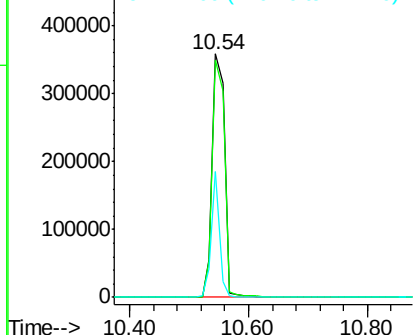
#41
 2,4,6-Tribromophenol
 Concen: 143.00 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-012

Tot Ion:330 Resp: 516353
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 114.8
 141 34.4 27.8 41.6

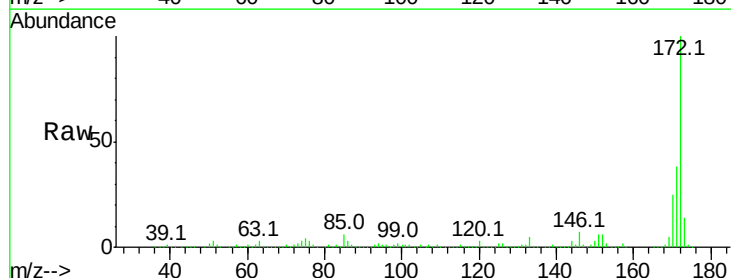


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

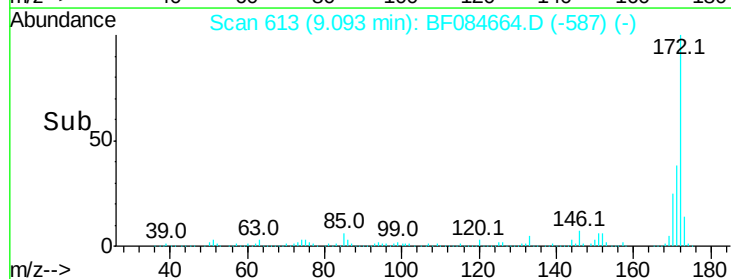
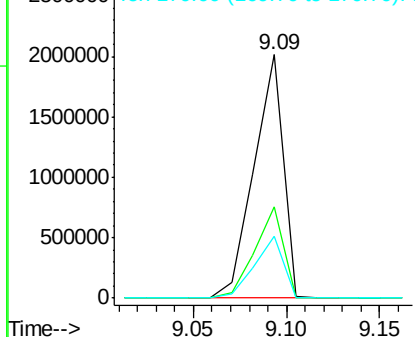


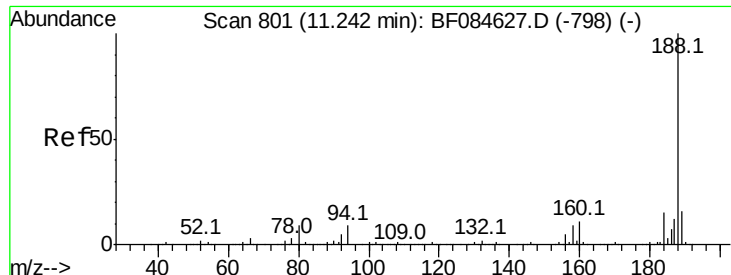
#44
 2-Fluorobiphenyl
 Concen: 94.16 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

Tgt Ion:172 Resp: 2182537
 Ion Ratio Lower Upper
 172 100
 171 37.6 28.9 43.3
 170 25.3 18.6 27.8



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

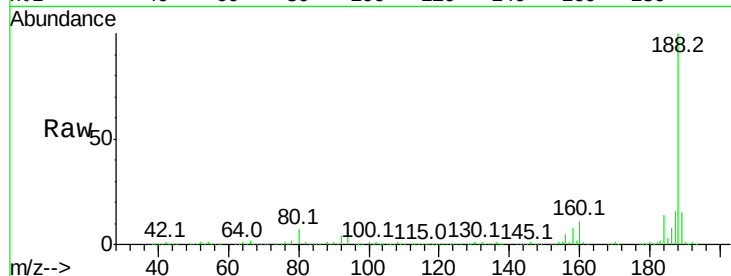




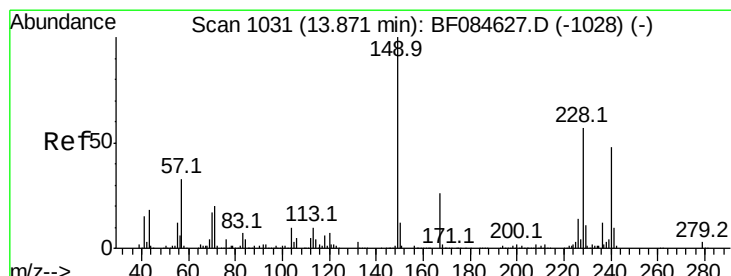
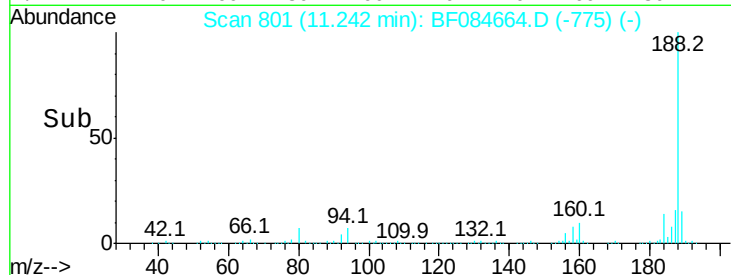
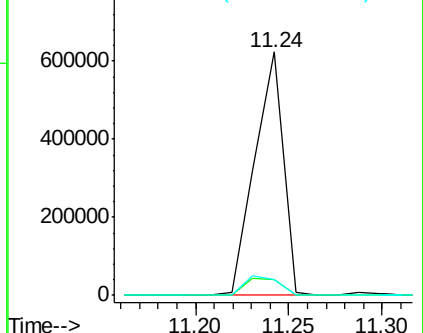
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084664.D
Acq: 30 Jan 2016 4:41

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-012

Tot Ion:188 Resp: 659415
Ion Ratio Lower Upper
188 100
94 6.5 9.0 13.4#
80 6.7 9.6 14.4#

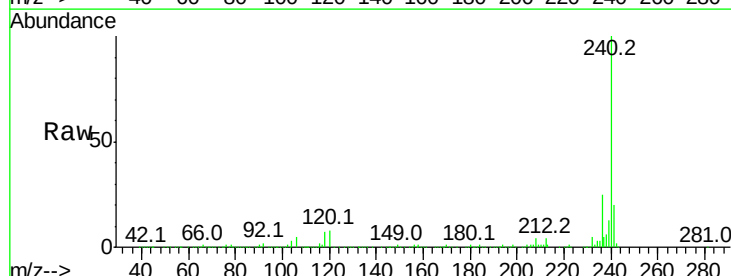


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

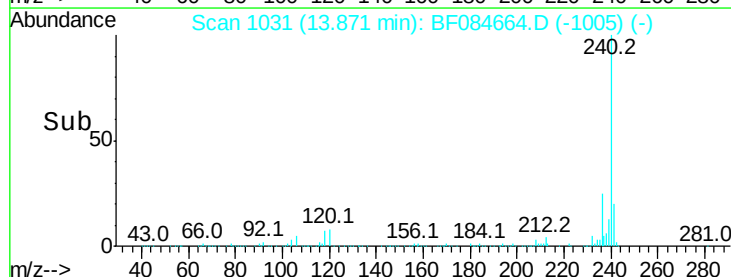
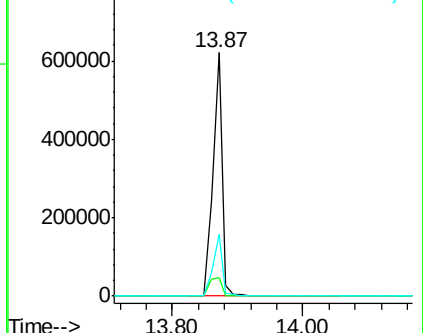


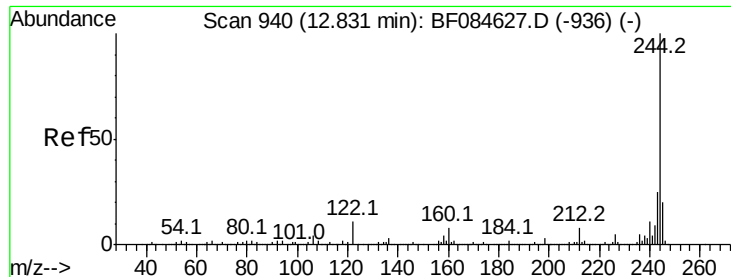
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF084664.D
Acq: 30 Jan 2016 4:41

Tgt Ion:240 Resp: 622992
Ion Ratio Lower Upper
240 100
120 7.8 9.5 14.3#
236 25.4 20.6 31.0



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



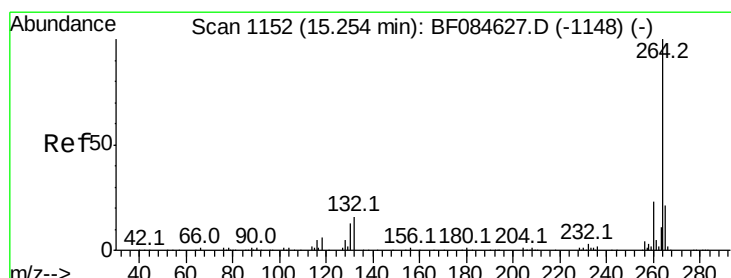
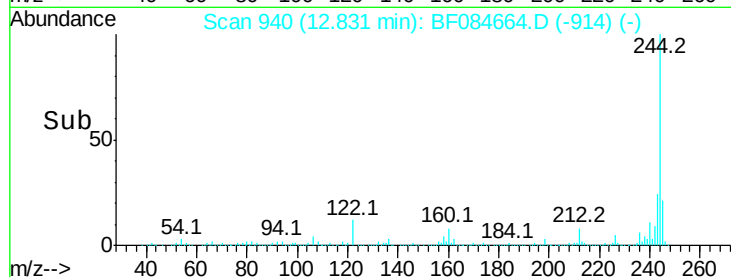
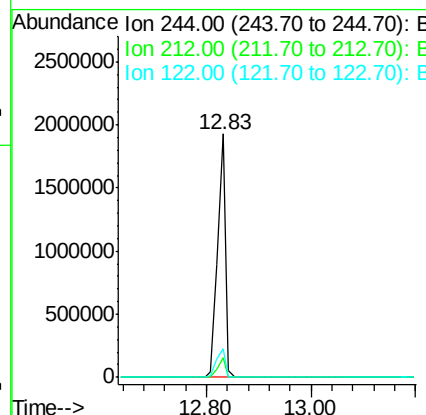
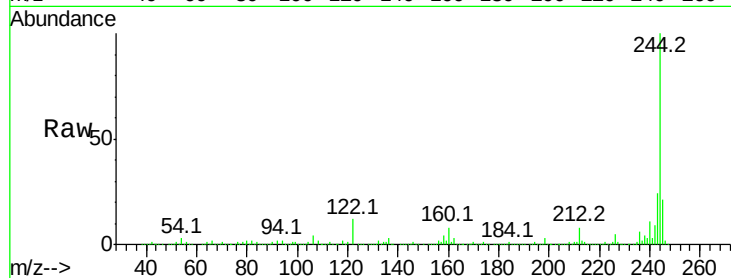


#78
 Terphenyl-d14
 Concen: 73.18 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

Instrument :
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 WC-SOIL-012

Tot Ion:244 Resp: 2018482

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.7	8.5
122	11.6	7.4	11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

Tgt Ion:264 Resp: 231394

Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.4	29.2
265	20.6	17.8	26.6

