

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
 Data File : BF082664.D
 Acq On : 3 Nov 2015 16:54
 Operator : UM/IZ
 Sample : G4236-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-003

Quant Time: Nov 04 06:25:55 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

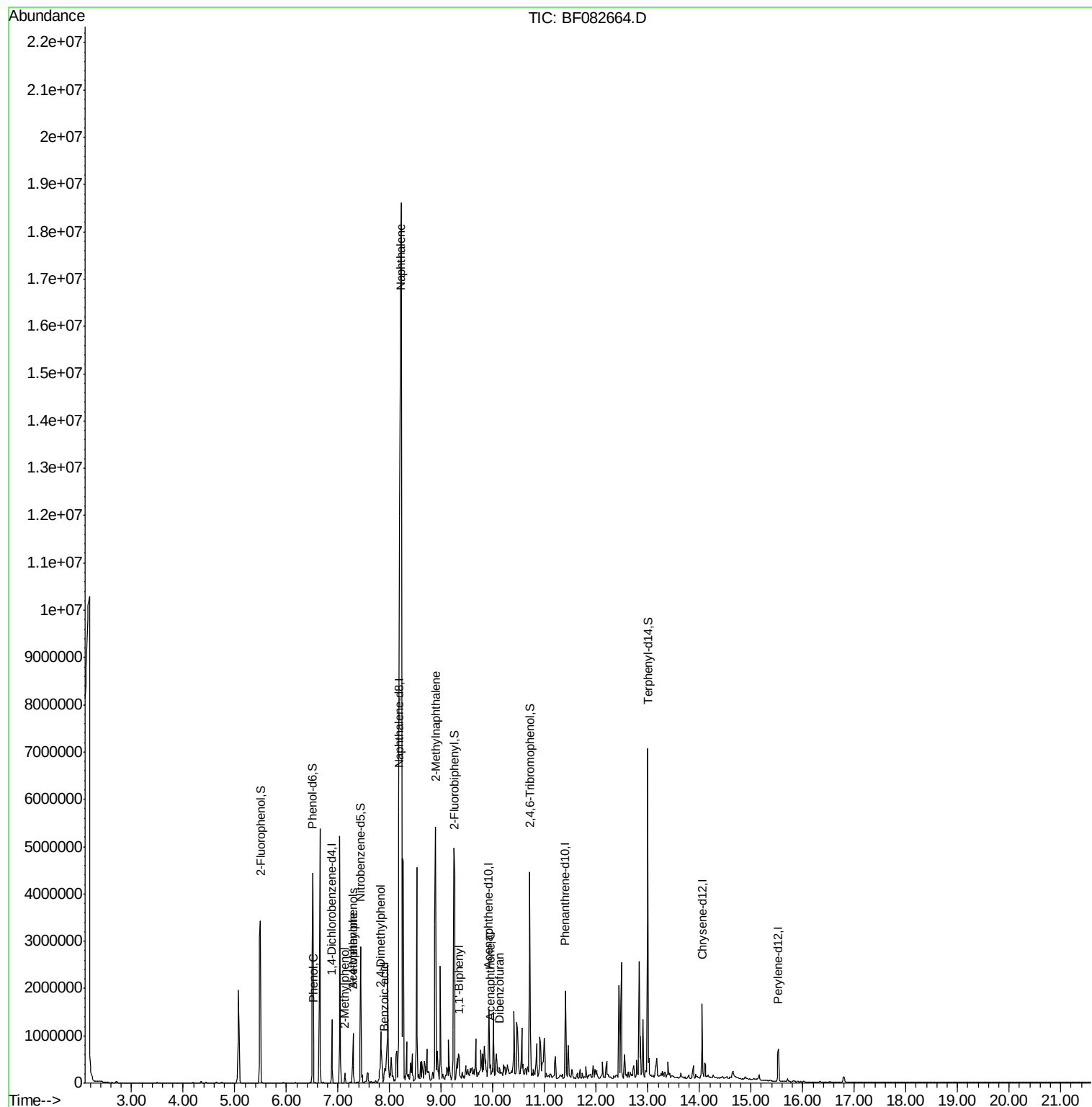
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	176196	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	632060	20.00	ng	0.01
38) Acenaphthene-d10	9.92	164	348094	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	659977	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	568562	20.00	ng	0.00
86) Perylene-d12	15.53	264	376260	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1273762	108.88	ng	0.02
7) Phenol-d6	6.51	99	1554315	100.01	ng	0.00
23) Nitrobenzene-d5	7.44	82	1390429	89.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	501827	131.73	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	2287876	93.32	ng	0.00
78) Terphenyl-d14	13.00	244	2259400	86.97	ng	0.00
Target Compounds						
10) Phenol	6.52	94	192628	10.94	ng	Qvalue 82
17) 2-Methylphenol	7.13	107	29265	2.72	ng	96
20) 3+4-Methylphenols	7.29	107	175414	12.54	ng	# 71
22) Acetophenone	7.29	105	61060	3.28	ng	# 52
27) 2,4-Dimethylphenol	7.82	122	289716	25.97	ng	99
31) Naphthalene	8.22	128	15594671	455.97	ng	# 71
32) Benzoic acid	7.89	122	27930	3.45	ng	93
37) 2-Methylnaphthalene	8.89	142	1759764	79.39	ng	96
45) 1,1'-Biphenyl	9.34	154	98479	3.35	ng	93
51) Acenaphthene	9.95	154	51516	2.21	ng	94
54) Dibenzofuran	10.12	168	64601	2.04	ng	97

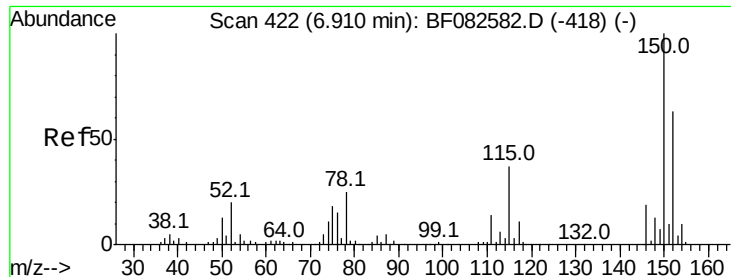
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
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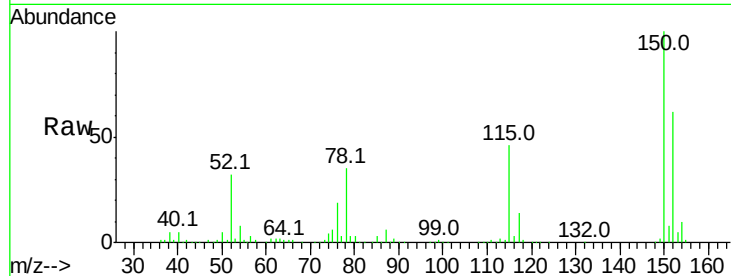


#1

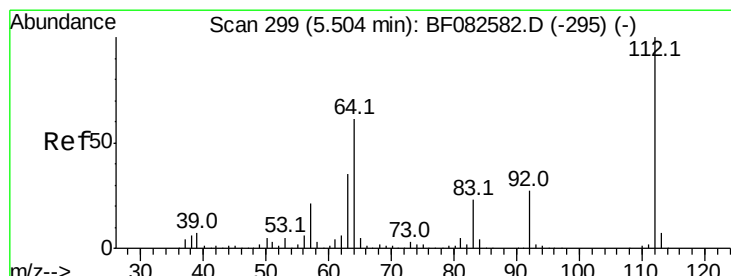
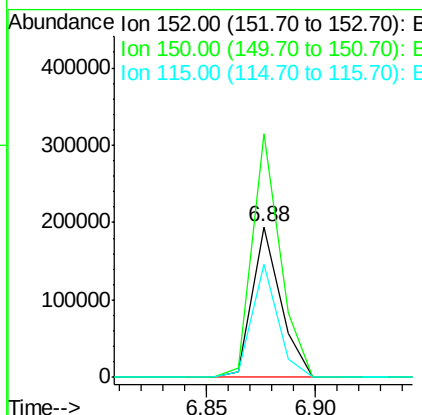
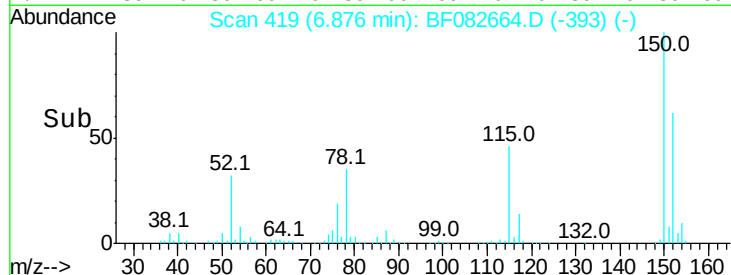
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. 0.00 min
Lab File: BF082664.D
Acq: 3 Nov 2015 16:54

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-003

Tot Ion:152 Resp: 176196
Ion Ratio Lower Upper
152 100
150 162.1 127.0 190.4
115 75.1 47.0 70.6#



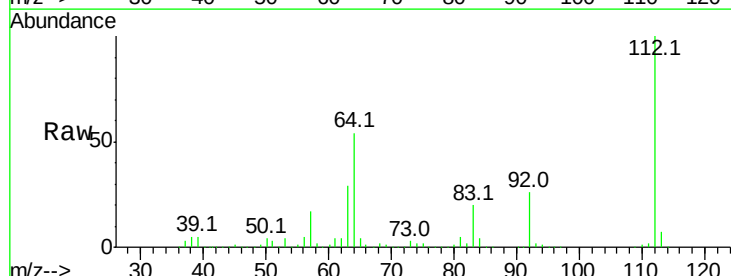
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



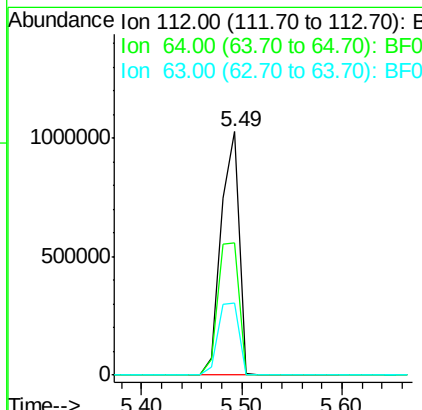
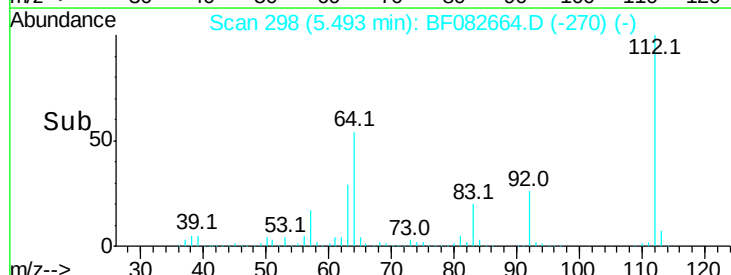
#5

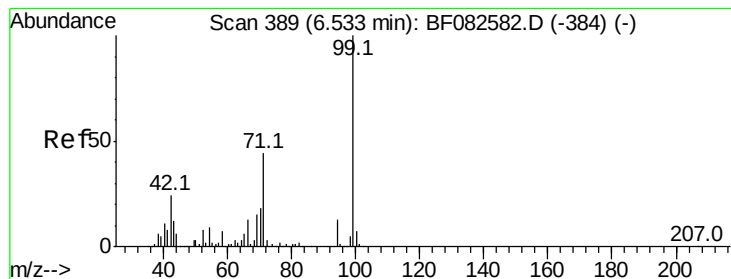
2-Fluorophenol
Concen: 108.88 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.02 min
Lab File: BF082664.D
Acq: 3 Nov 2015 16:54

Tgt Ion:112 Resp: 1273762
Ion Ratio Lower Upper
112 100
64 54.4 48.9 73.3
63 29.5 28.1 42.1



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: 100.01 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082664.D

Acq: 3 Nov 2015 16:54

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-003

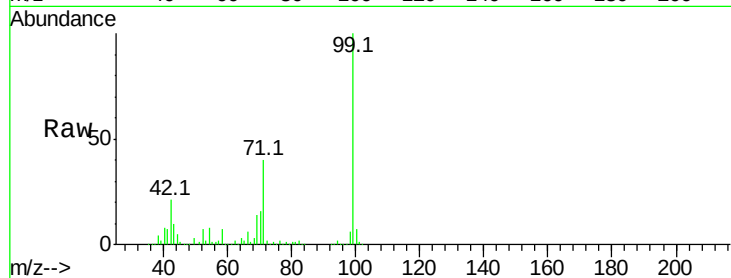
Tot Ion: 99 Resp: 1554315

Ion Ratio Lower Upper

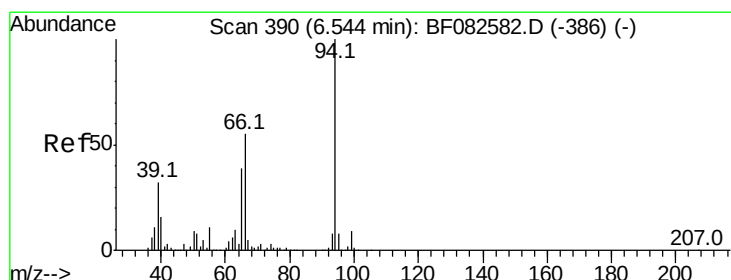
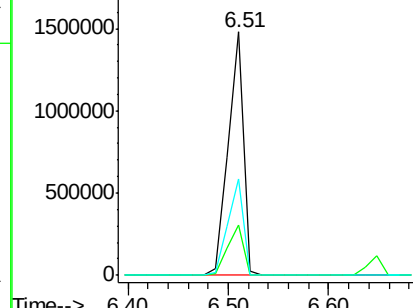
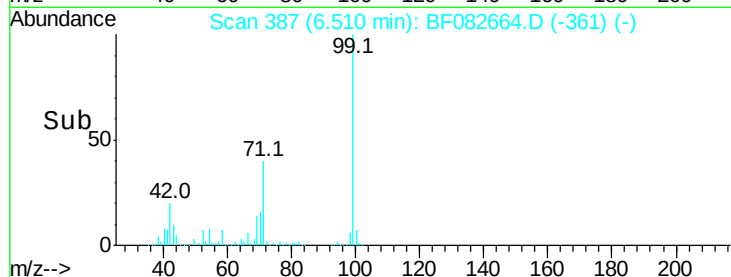
99 100

42 20.5 19.2 28.8

71 39.5 35.0 52.4



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: 10.94 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF082664.D

Acq: 3 Nov 2015 16:54

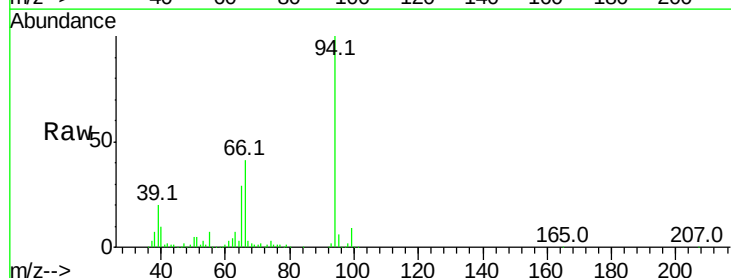
Tgt Ion: 94 Resp: 192628

Ion Ratio Lower Upper

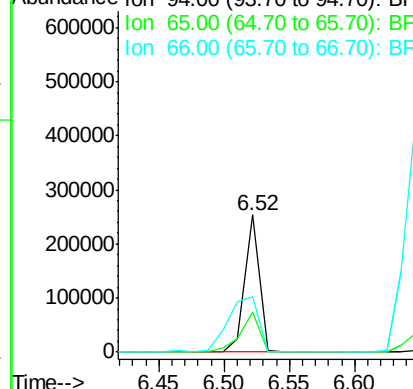
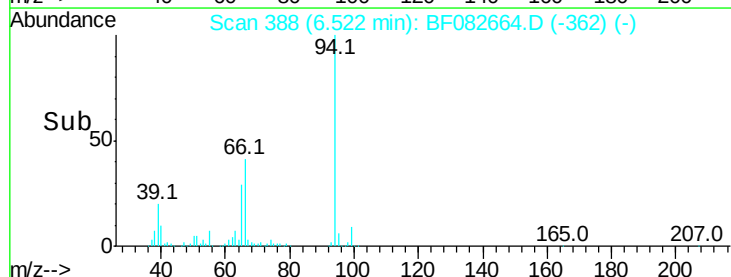
94 100

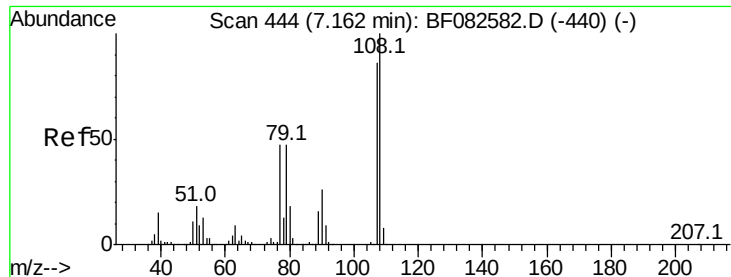
65 29.3 18.9 58.9

66 40.5 34.9 74.9



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

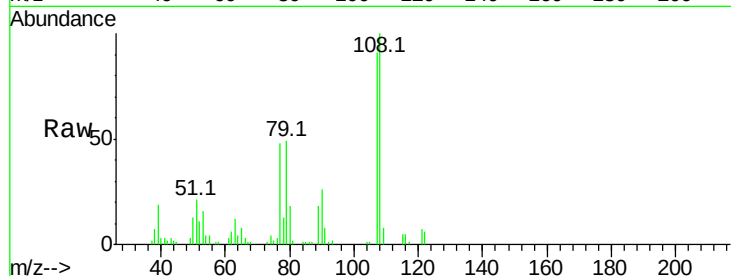




#17
2-Methylphenol
Concen: 2.72 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF082664.D
Acq: 3 Nov 2015 16:54

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-003

Tot Ion	Ratio	Lower	Upper
107	100		
108	109.4	93.0	139.4
77	52.8	44.1	66.1
79	53.4	43.6	65.4



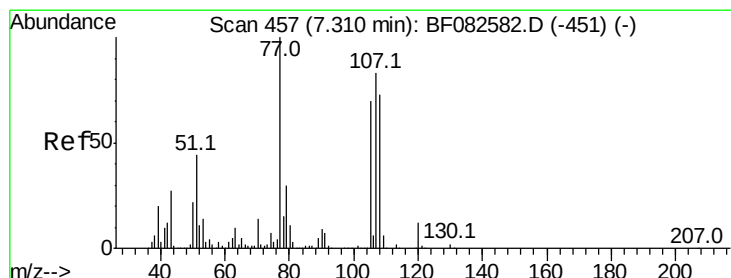
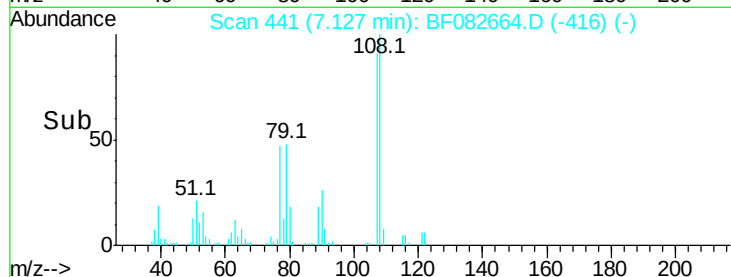
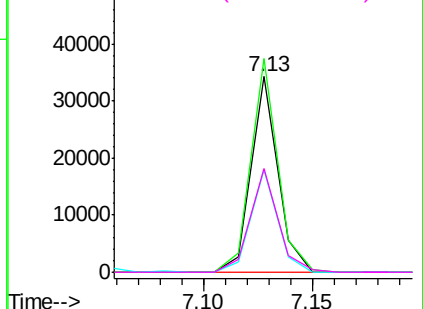
Abundance

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



#20
3+4-Methylphenols
Concen: 12.54 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF082664.D
Acq: 3 Nov 2015 16:54

Tgt Ion	Ratio	Lower	Upper
107	100		
108	96.5	67.3	107.3
77	64.5	100.3	140.3#
79	39.8	16.2	56.2

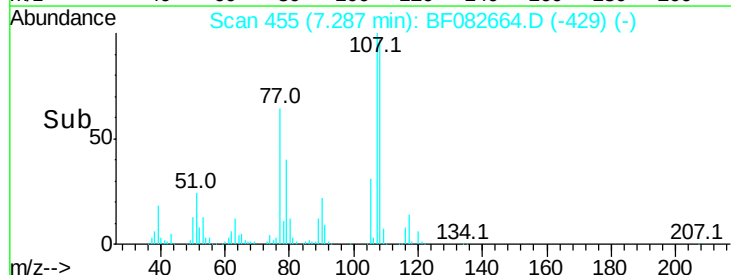
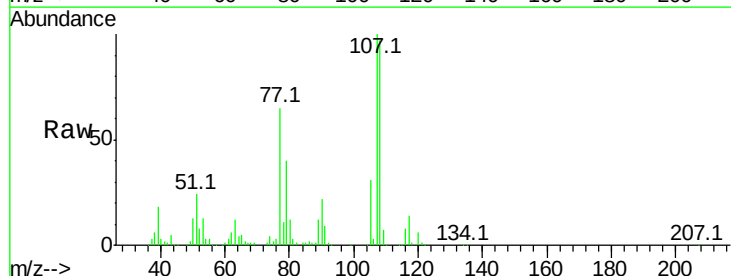
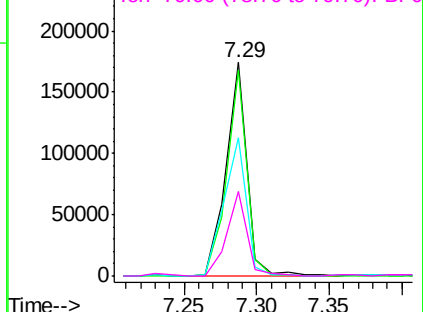
Abundance

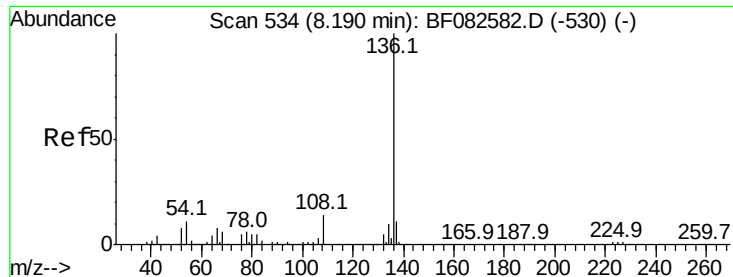
Ion 107.00 (106.70 to 107.70): E

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

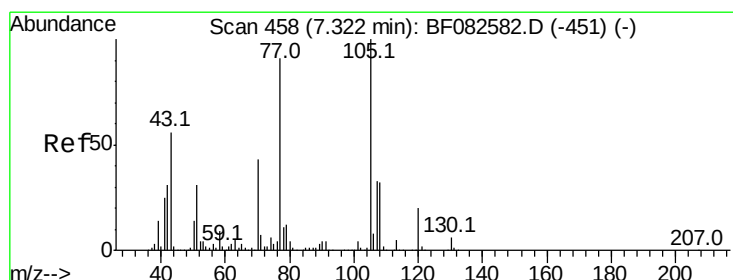
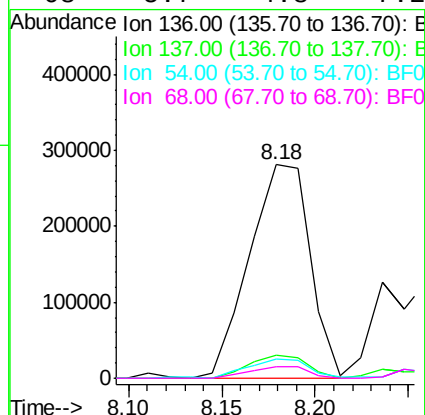
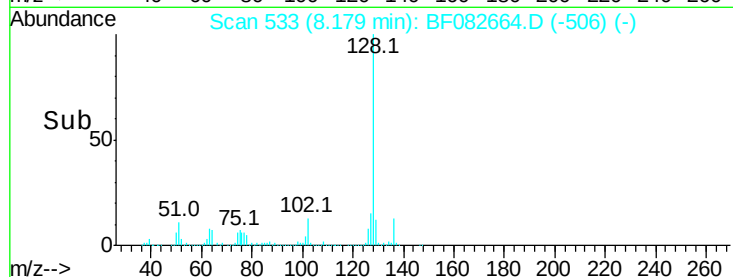
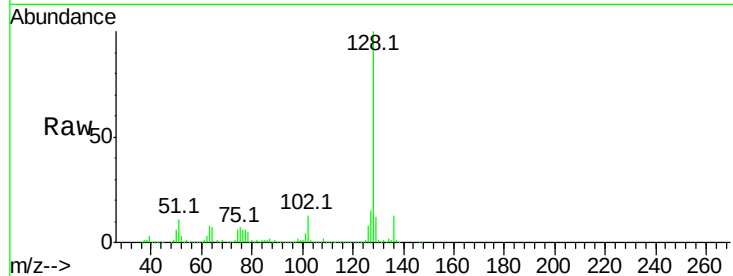




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.01 min
Lab File: BF082664.D
Acq: 3 Nov 2015 16:54

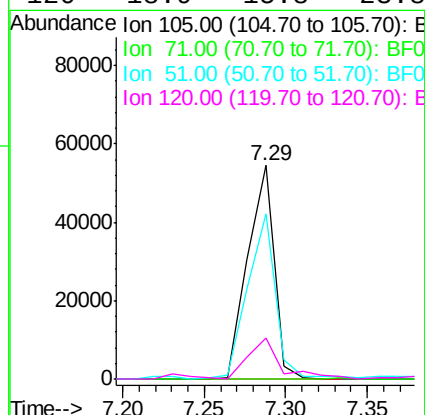
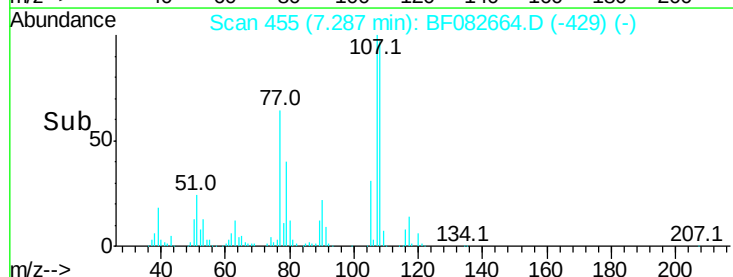
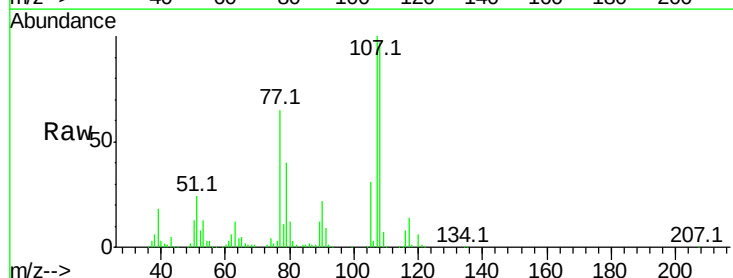
Instrument :
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ClientSampleId :
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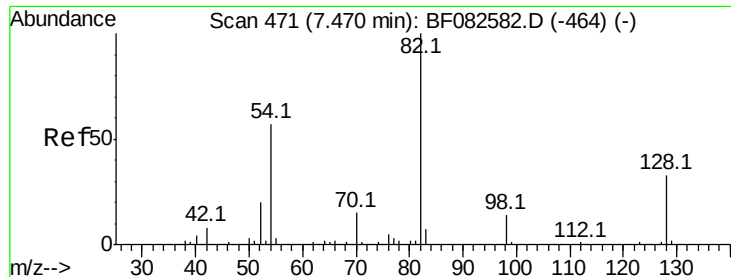
Tot Ion:	136	Resp:	632060
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	9.1	9.1	13.7
68	5.7	4.8	7.2



#22
Acetophenone
Concen: 3.28 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF082664.D
Acq: 3 Nov 2015 16:54

Tgt Ion:	105	Resp:	61060
Ion	Ratio	Lower	Upper
105	100		
71	0.0	5.6	8.4#
51	77.4	24.9	37.3#
120	18.9	15.8	23.8



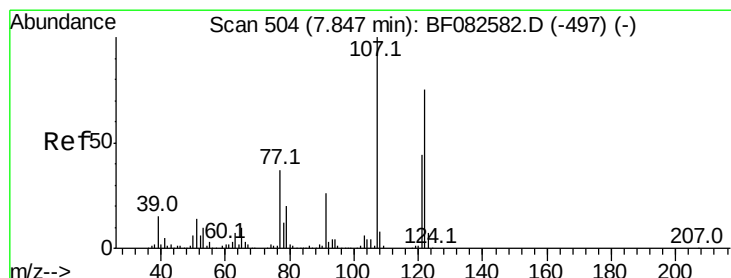
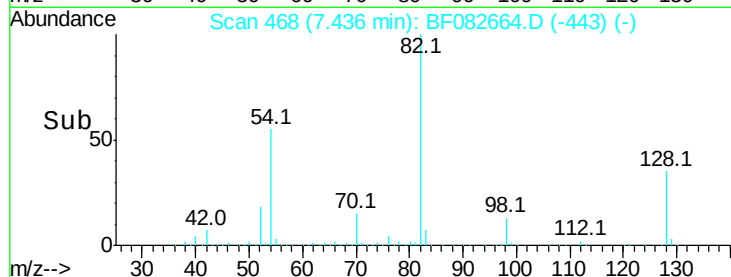
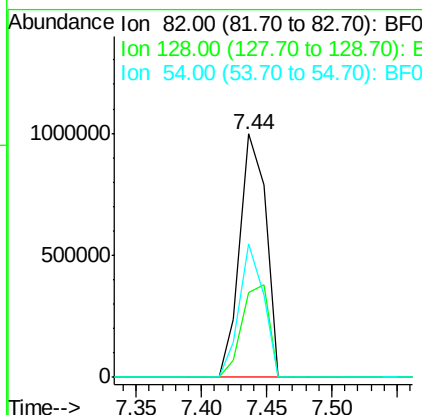
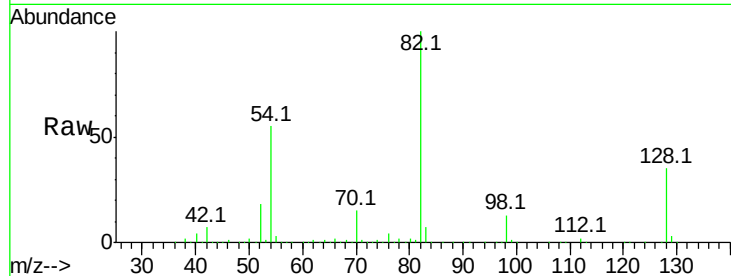


#23
 Nitrobenzene-d5
 Concen: 89.83 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF082664.D
 Acq: 3 Nov 2015 16:54

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-003

Tot Ion: 82 Resp: 1390429

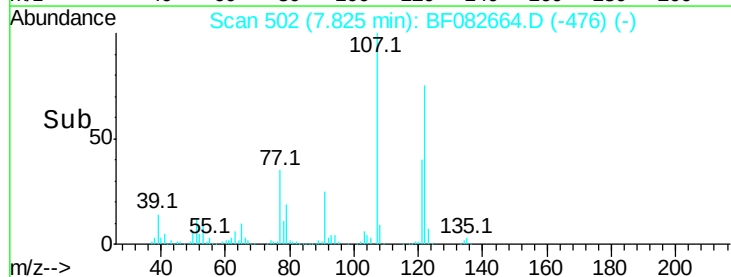
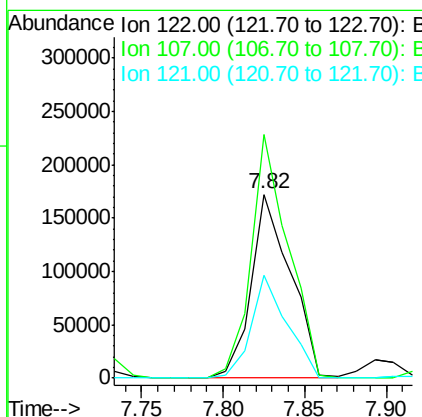
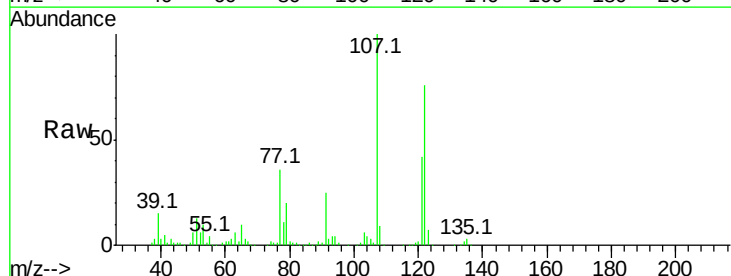
Ion	Ratio	Lower	Upper
82	100		
128	34.7	26.8	40.2
54	54.8	45.7	68.5

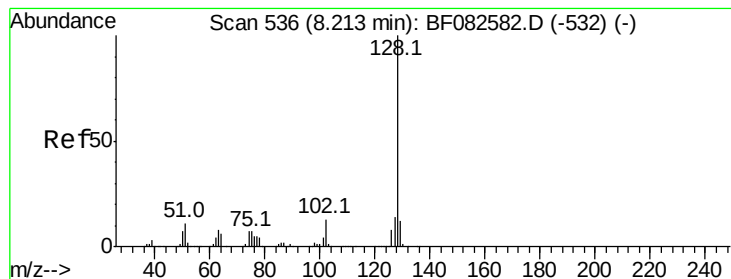


#27
 2,4-Dimethylphenol
 Concen: 25.97 ng
 RT: 7.82 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: BF082664.D
 Acq: 3 Nov 2015 16:54

Tgt Ion: 122 Resp: 289716

Ion	Ratio	Lower	Upper
122	100		
107	132.4	106.0	159.0
121	55.7	46.7	70.1





#31

Naphthalene

Concen: 455.97 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.03 min

Lab File: BF082664.D

Acq: 3 Nov 2015 16:54

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-003

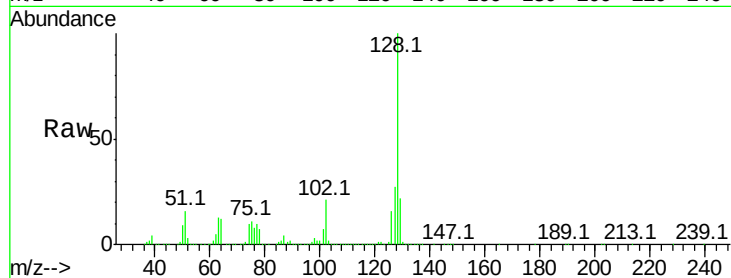
Tot Ion:128 Resp:15594671

Ion Ratio Lower Upper

128 100

129 21.9 9.5 14.3#

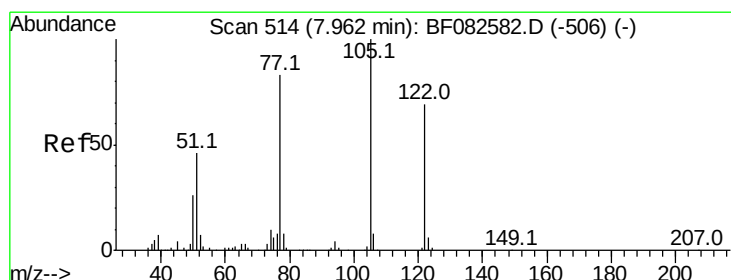
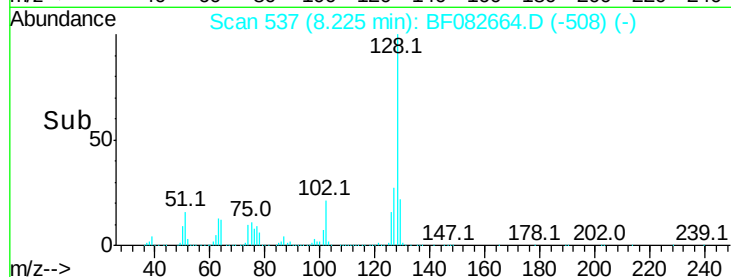
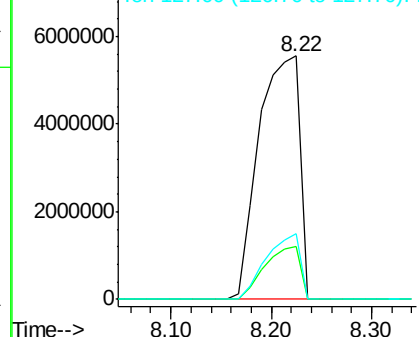
127 27.2 11.4 17.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.45 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.05 min

Lab File: BF082664.D

Acq: 3 Nov 2015 16:54

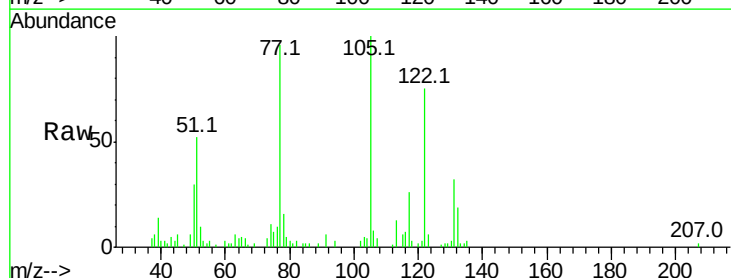
Tgt Ion:122 Resp: 27930

Ion Ratio Lower Upper

122 100

105 133.7 122.6 162.6

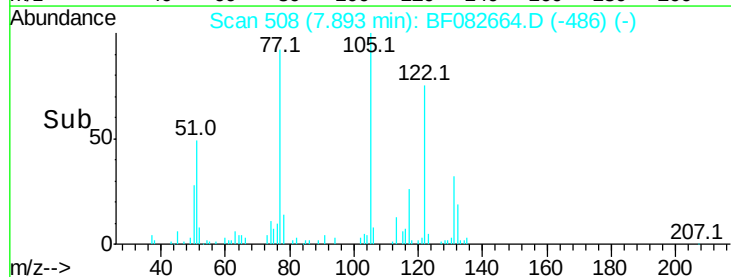
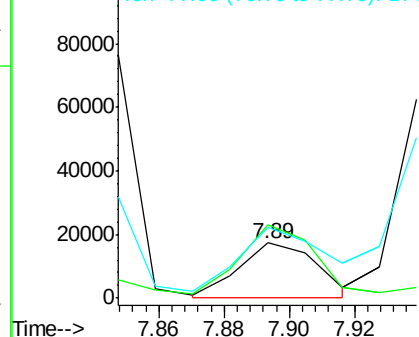
77 128.4 100.9 140.9

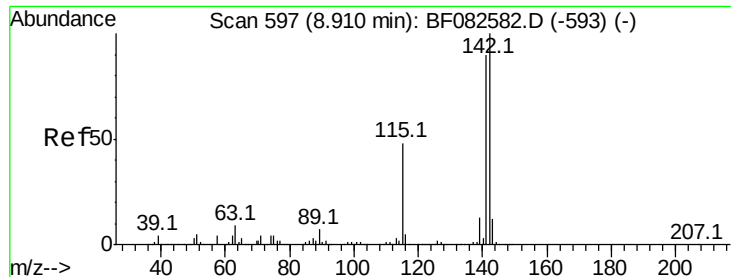


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

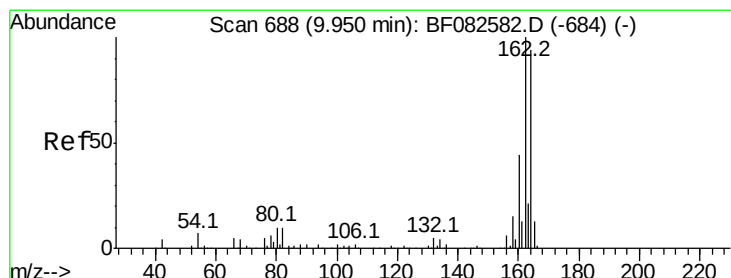
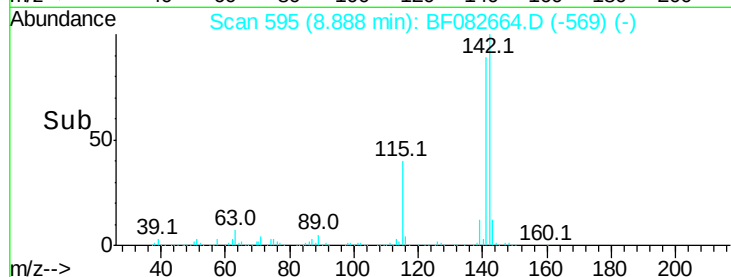
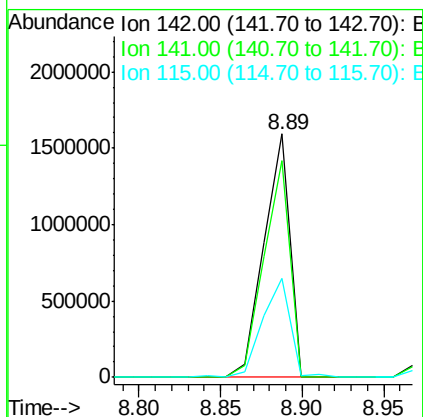
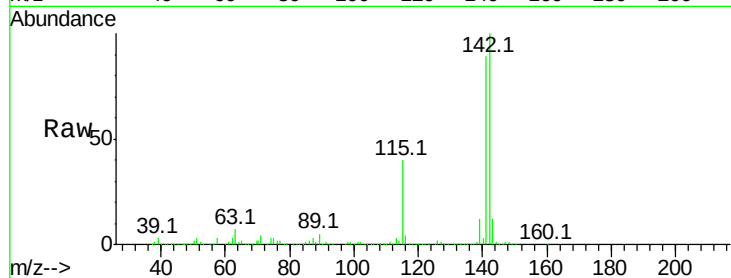




#37
2-Methylnaphthalene
Concen: 79.39 ng
RT: 8.89 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF082664.D
Acq: 3 Nov 2015 16:54

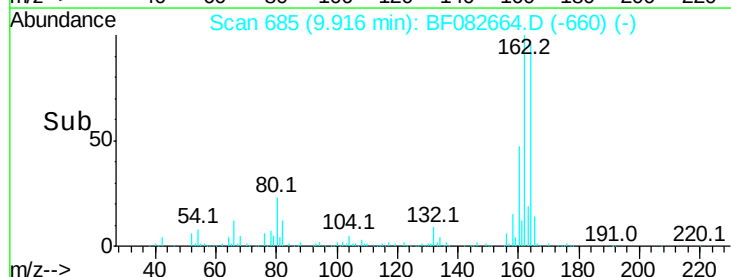
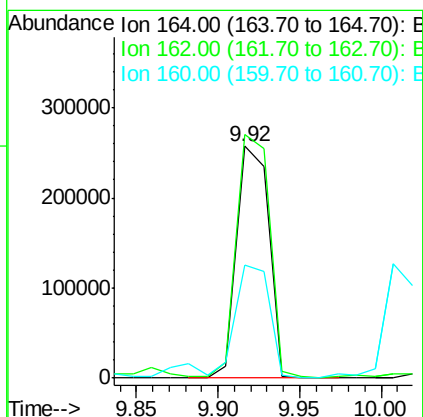
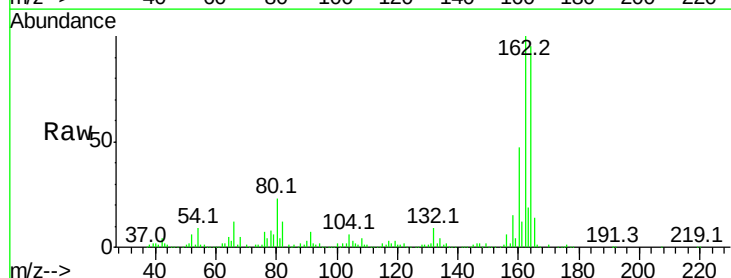
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-003

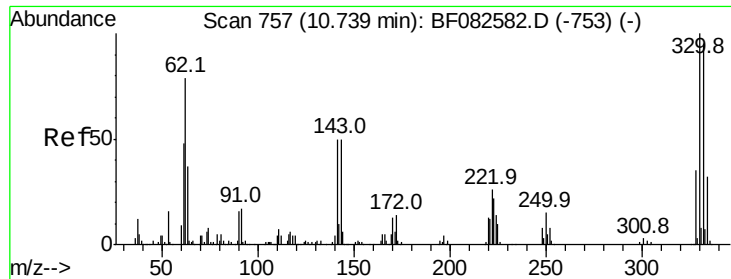
Tot Ion:142 Resp: 1759764
Ion Ratio Lower Upper
142 100
141 89.2 72.3 108.5
115 40.5 38.1 57.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF082664.D
Acq: 3 Nov 2015 16:54

Tgt Ion:164 Resp: 348094
Ion Ratio Lower Upper
164 100
162 104.9 84.9 127.3
160 49.0 37.5 56.3

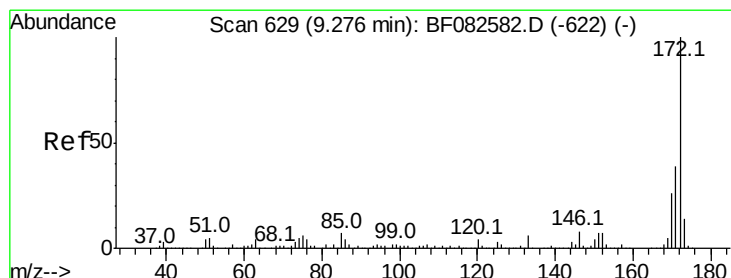
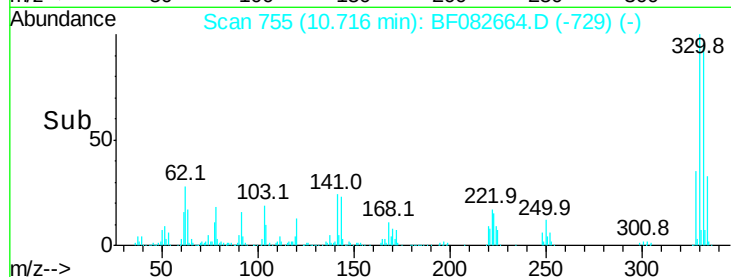
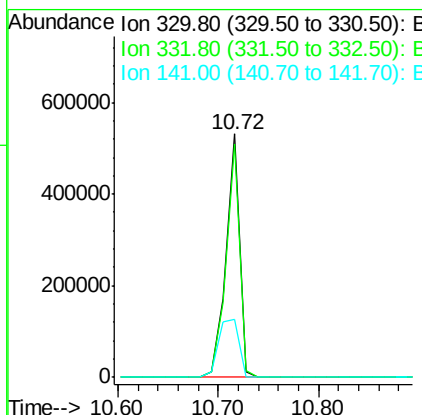
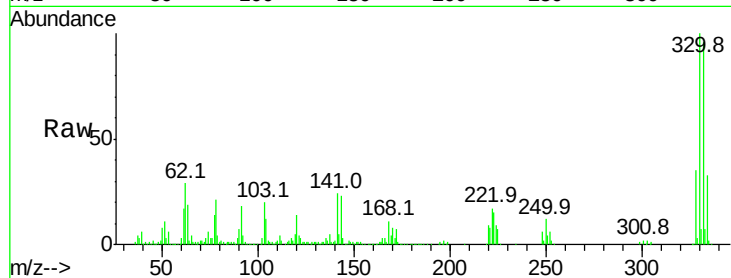




#41
 2,4,6-Tribromophenol
 Concen: 131.73 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: BF082664.D
 Acq: 3 Nov 2015 16:54

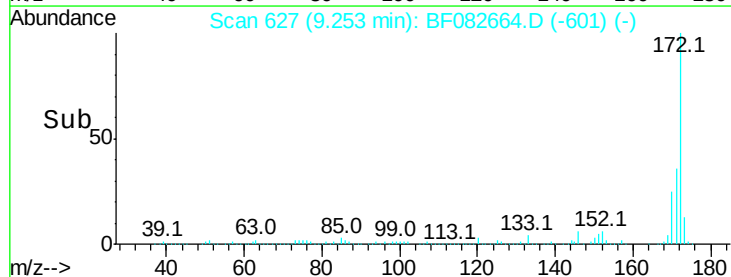
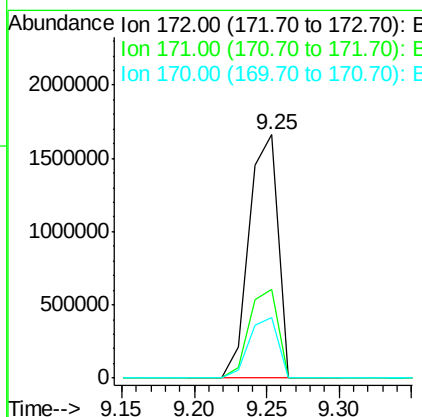
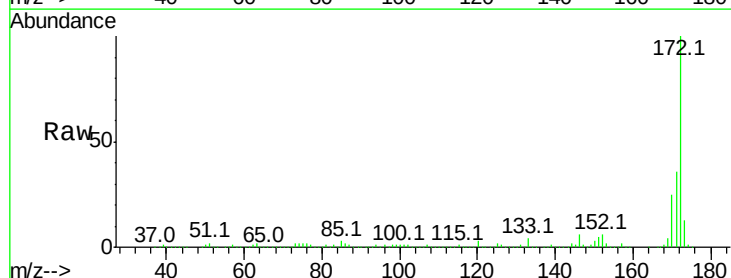
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-003

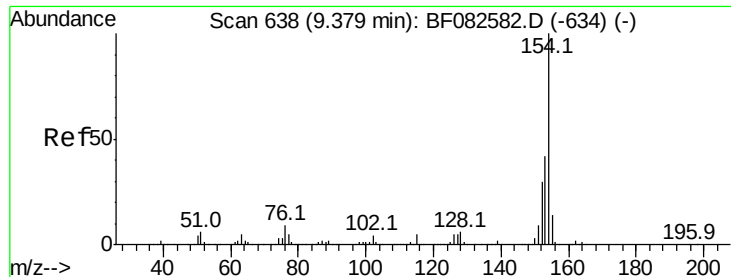
Tot Ion:330 Resp: 501827
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 114.8
 141 36.4 41.2 61.8#



#44
 2-Fluorobiphenyl
 Concen: 93.32 ng
 RT: 9.25 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF082664.D
 Acq: 3 Nov 2015 16:54

Tgt Ion:172 Resp: 2287876
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.8 46.2
 170 24.8 21.2 31.8





#45

1,1'-Biphenyl

Concen: 3.35 ng

RT: 9.34 min Scan# 635

Delta R.T. 0.00 min

Lab File: BF082664.D

Acq: 3 Nov 2015 16:54

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-003

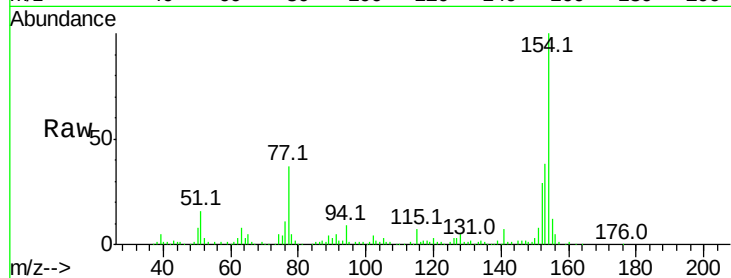
Tot Ion:154 Resp: 98479

Ion Ratio Lower Upper

154 100

153 37.6 22.0 62.0

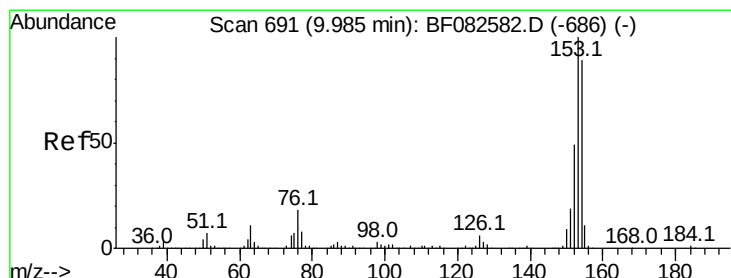
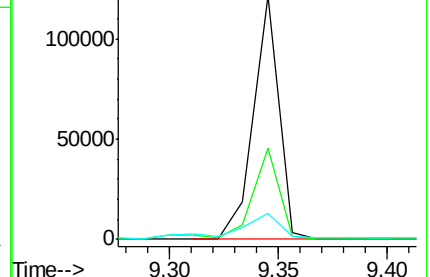
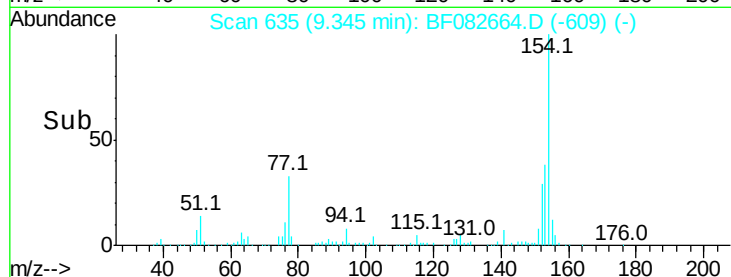
76 10.8 0.0 29.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#51

Acenaphthene

Concen: 2.21 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF082664.D

Acq: 3 Nov 2015 16:54

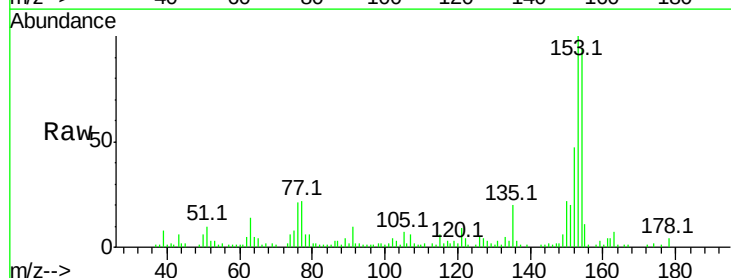
Tgt Ion:154 Resp: 51516

Ion Ratio Lower Upper

154 100

153 106.5 90.1 135.1

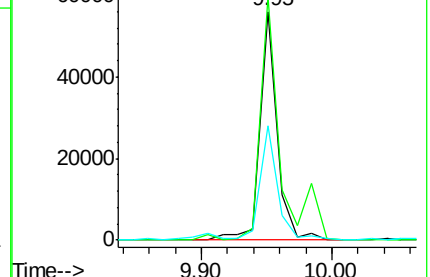
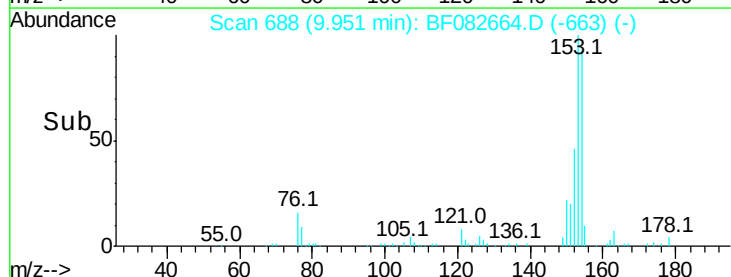
152 49.8 44.3 66.5

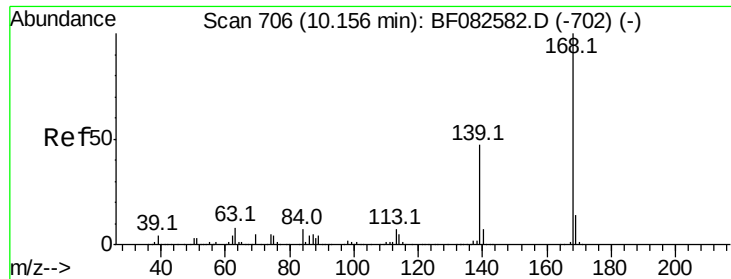


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

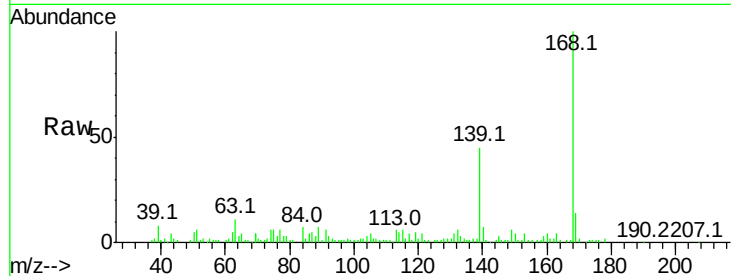




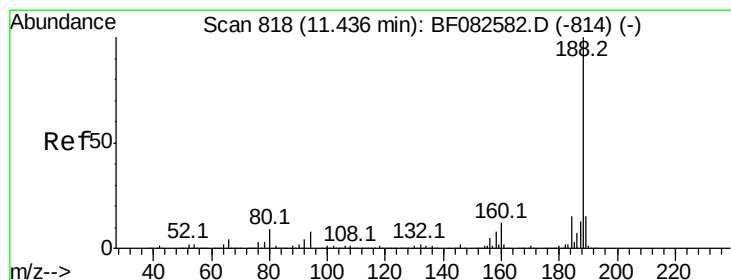
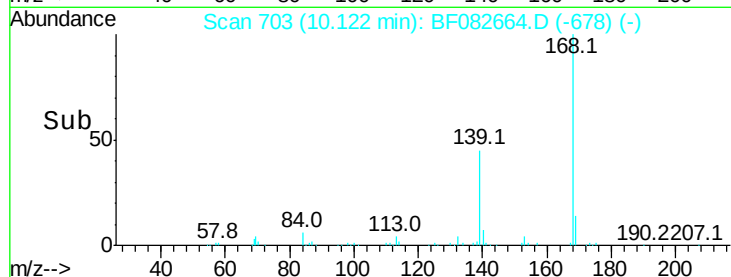
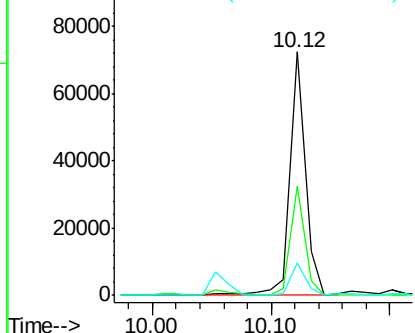
#54
Dibenzofuran
Concen: 2.04 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF082664.D
Acq: 3 Nov 2015 16:54

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-003

Tot Ion:168 Resp: 64601
Ion Ratio Lower Upper
168 100
139 44.8 37.8 56.6
169 13.6 11.3 16.9

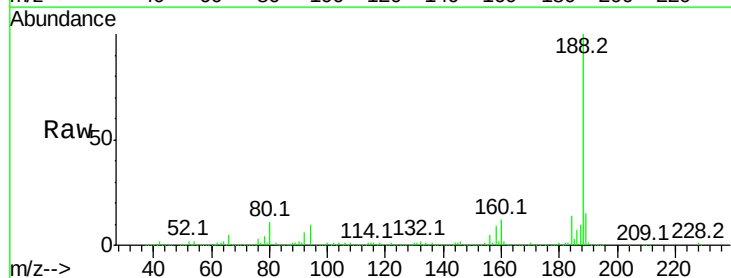


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

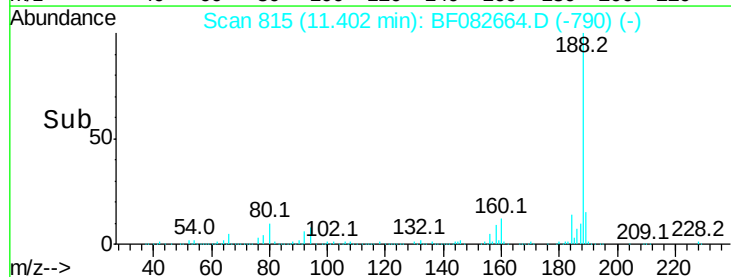
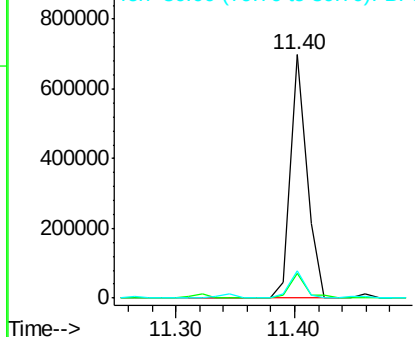


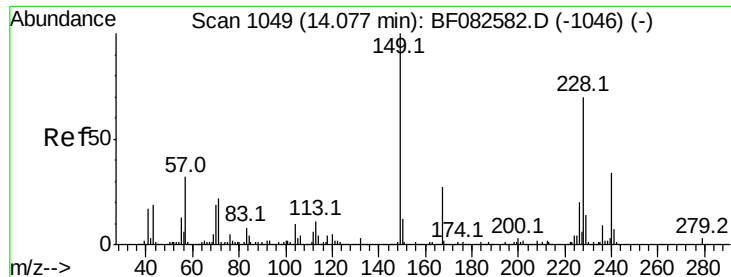
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF082664.D
Acq: 3 Nov 2015 16:54

Tgt Ion:188 Resp: 659977
Ion Ratio Lower Upper
188 100
94 10.3 6.1 9.1#
80 11.4 7.0 10.6#



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: 14.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF082664.D

Acq: 3 Nov 2015 16:54

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-003

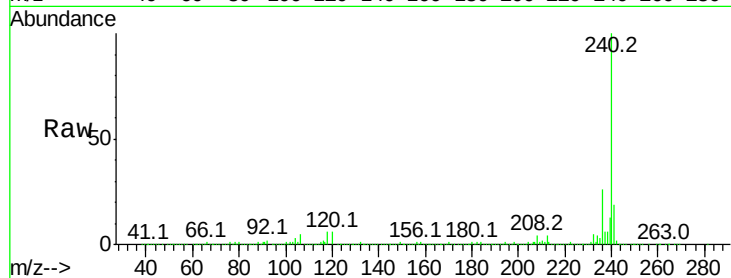
Tot Ion:240 Resp: 568562

Ion Ratio Lower Upper

240 100

120 6.4 10.9 16.3#

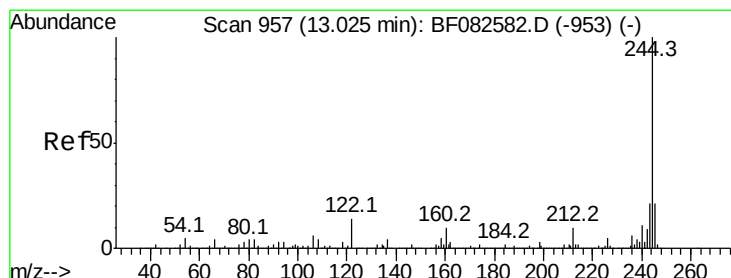
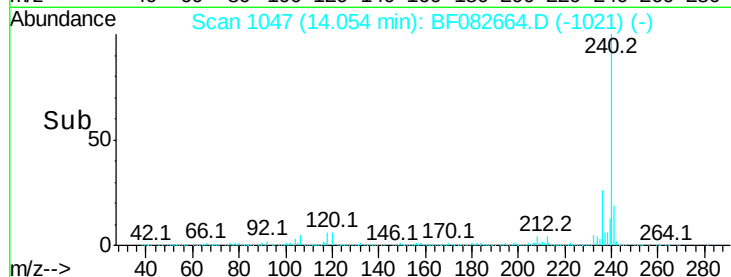
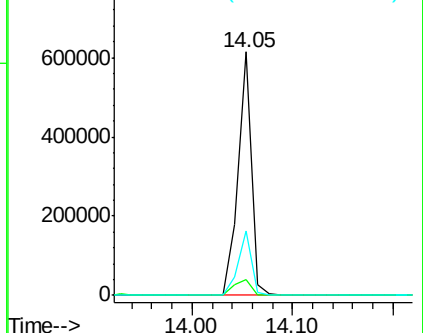
236 26.5 21.6 32.4



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: 86.97 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF082664.D

Acq: 3 Nov 2015 16:54

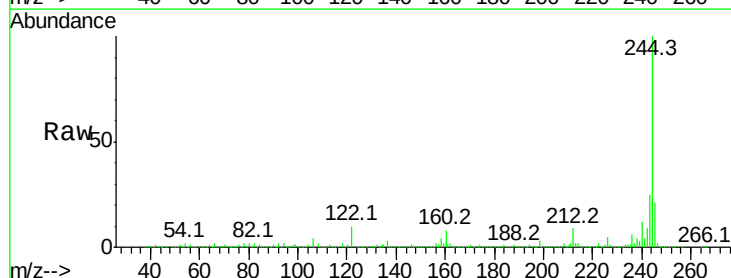
Tgt Ion:244 Resp: 2259400

Ion Ratio Lower Upper

244 100

212 8.6 7.6 11.4

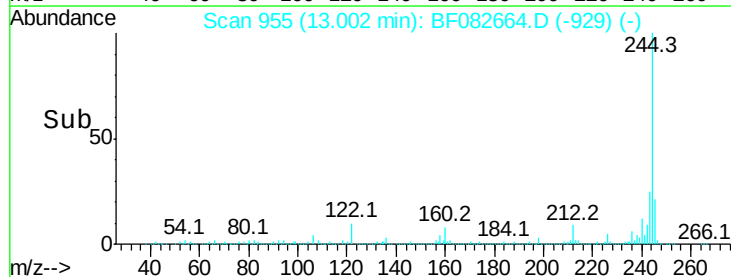
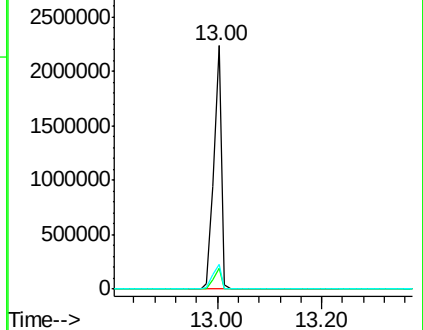
122 10.0 11.3 16.9#

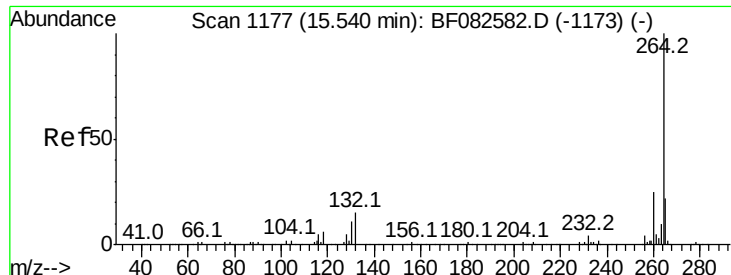


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

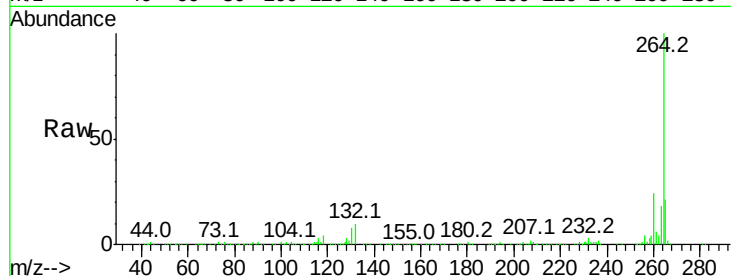




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1176
 Delta R.T. 0.02 min
 Lab File: BF082664.D
 Acq: 3 Nov 2015 16:54

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-003

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.6
265	20.7	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

