

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110415\
 Data File : BF082693.D
 Acq On : 4 Nov 2015 9:41
 Operator : UM/IZ
 Sample : G4236-04DL 2X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-004DL

Quant Time: Nov 04 10:21:33 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

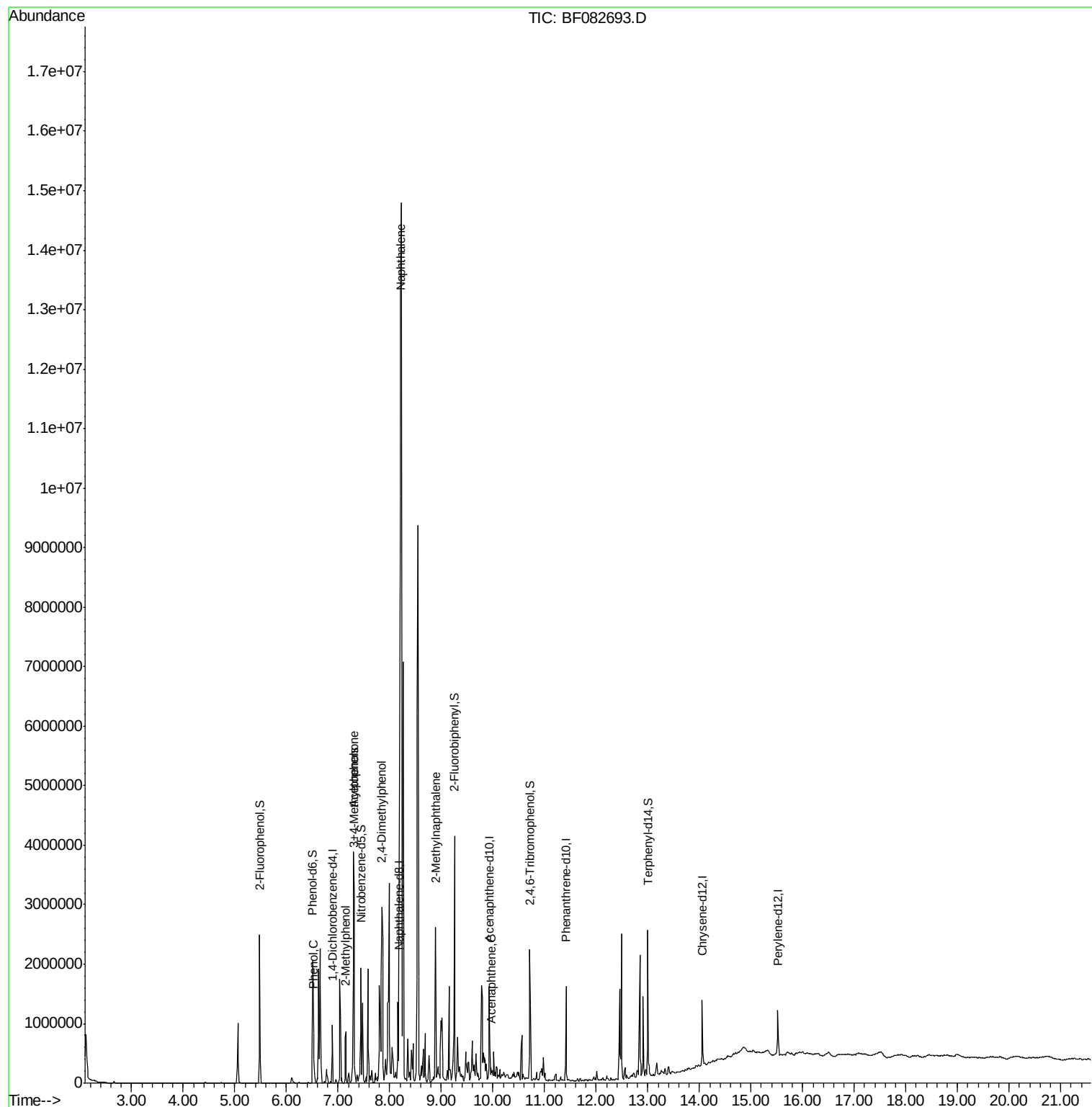
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	160920	20.00	ng	0.01
21) Naphthalene-d8	8.18	136	588287	20.00	ng	0.01
38) Acenaphthene-d10	9.93	164	282338	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	471313	20.00	ng	0.00
75) Chrysene-d12	14.05	240	368706	20.00	ng	0.00
86) Perylene-d12	15.52	264	357547	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	590261	55.25	ng	0.01
7) Phenol-d6	6.51	99	812535	57.24	ng	0.00
23) Nitrobenzene-d5	7.45	82	678596	47.10	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	187282	60.61	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1073191	53.97	ng	0.00
78) Terphenyl-d14	13.00	244	679232	40.32	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	67435	4.19	ng	89
17) 2-Methylphenol	7.15	107	96379	9.81	ng	99
20) 3+4-Methylphenols	7.31	107	527094	41.26	ng	# 61
22) Acetophenone	7.30	105	385621	22.27	ng	# 71
27) 2,4-Dimethylphenol	7.85	122	843548	81.24	ng	96
31) Naphthalene	8.22	128	10983257	345.03	ng	# 81
37) 2-Methylnaphthalene	8.89	142	601717	29.17	ng	97
51) Acenaphthene	9.96	154	45224	2.39	ng	98

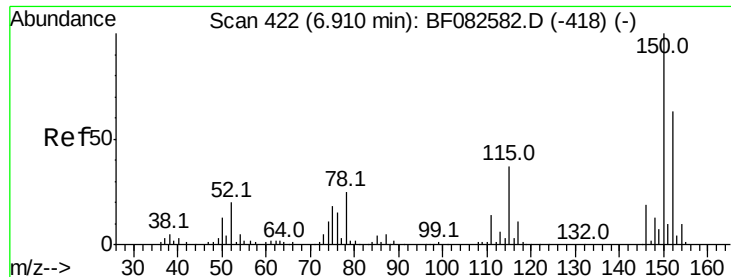
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 03 12:27:47 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. 0.01 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004DL

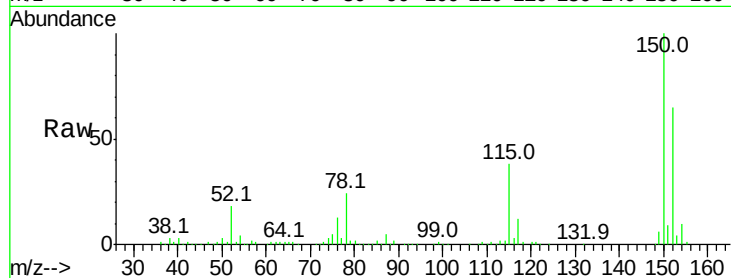
Tot Ion:152 Resp: 160920

Ion Ratio Lower Upper

152 100

150 154.3 127.0 190.4

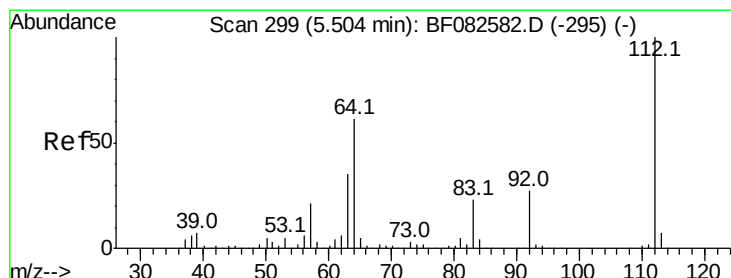
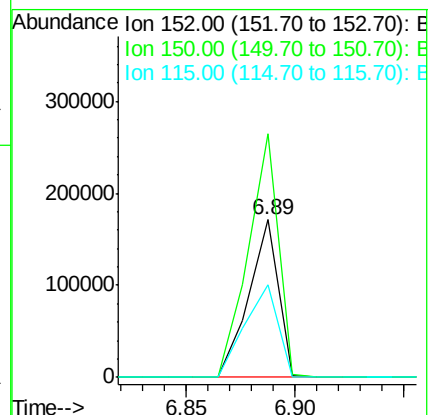
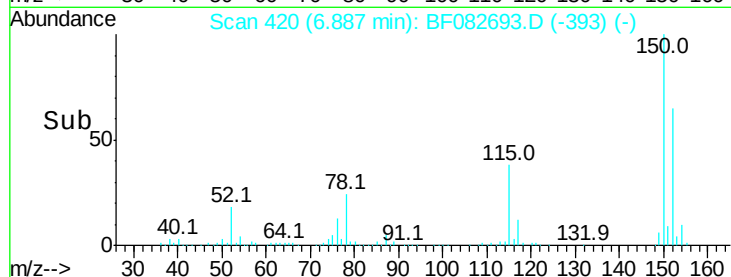
115 58.8 47.0 70.6



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: 55.25 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.01 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

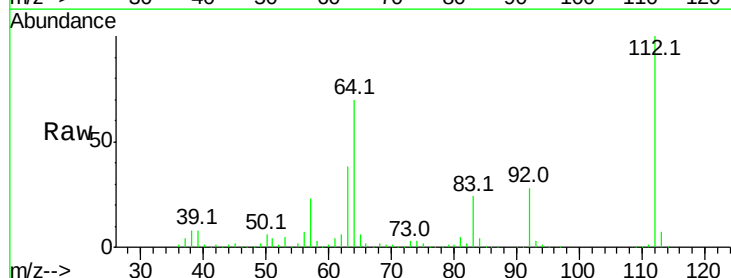
Tgt Ion:112 Resp: 590261

Ion Ratio Lower Upper

112 100

64 69.8 48.9 73.3

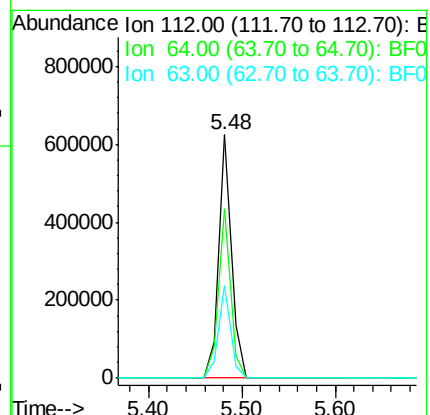
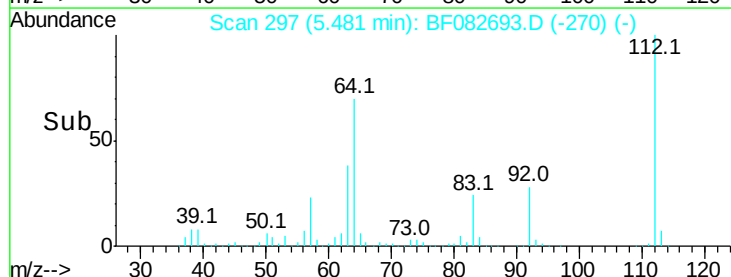
63 38.3 28.1 42.1

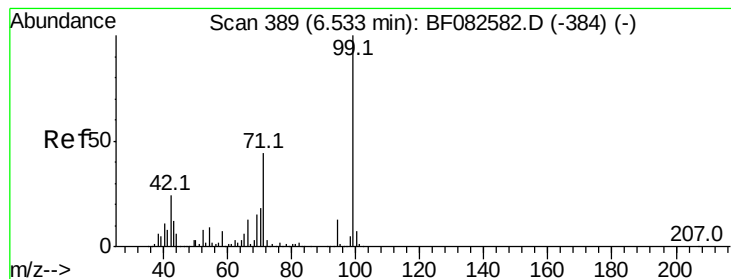


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 57.24 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004DL

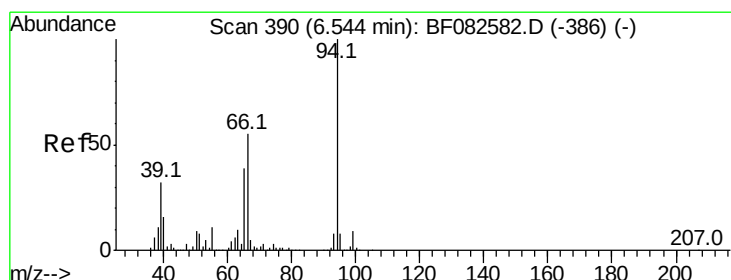
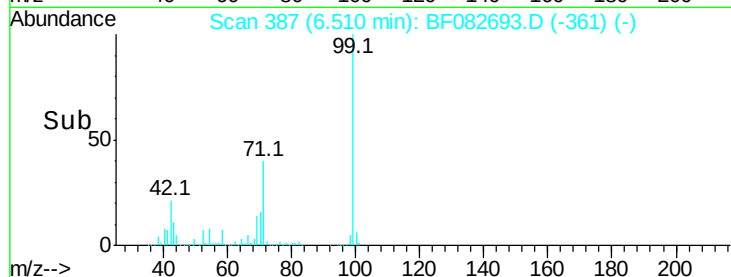
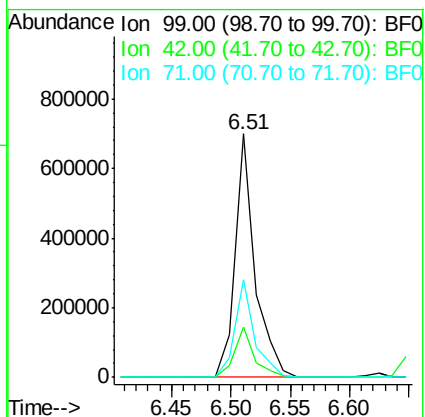
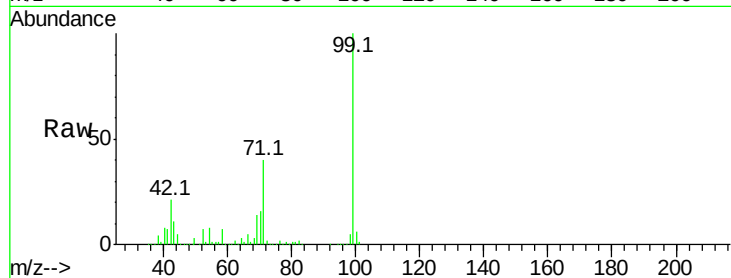
Tot Ion: 99 Resp: 812535

Ion Ratio Lower Upper

99 100

42 20.7 19.2 28.8

71 40.0 35.0 52.4



#10

Phenol

Concen: 4.19 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

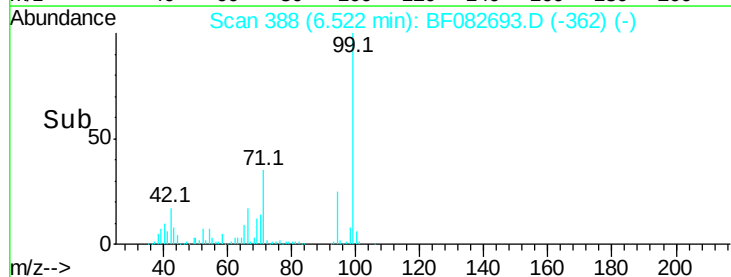
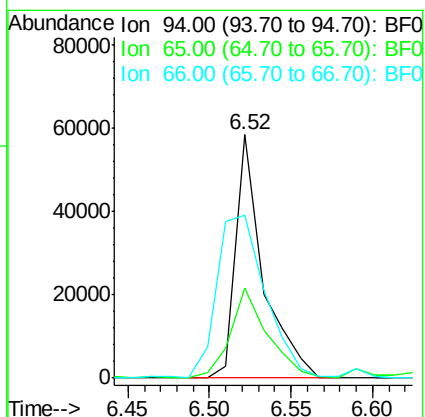
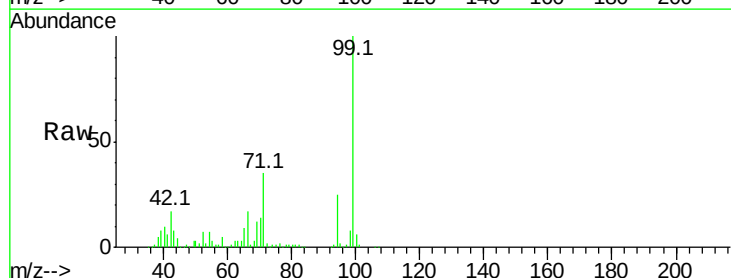
Tgt Ion: 94 Resp: 67435

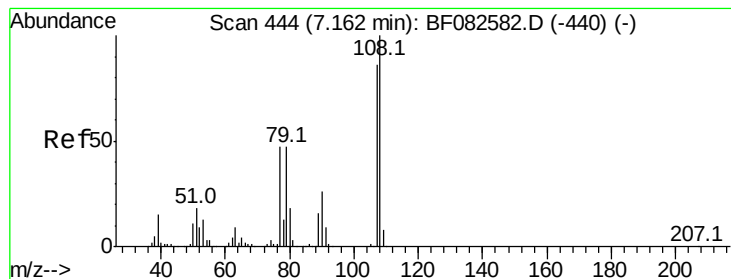
Ion Ratio Lower Upper

94 100

65 37.0 18.9 58.9

66 67.0 34.9 74.9

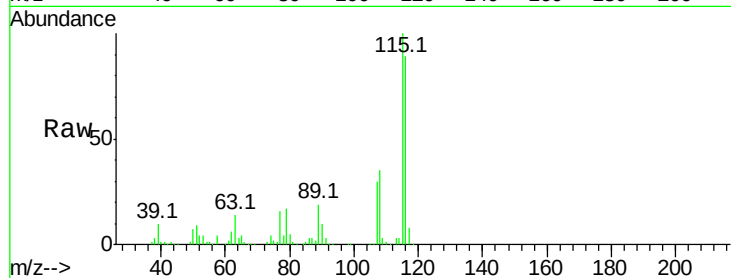




#17
2-Methylphenol
Concen: 9.81 ng
RT: 7.15 min Scan# 443
Delta R.T. 0.01 min
Lab File: BF082693.D
Acq: 4 Nov 2015 9:41

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-004DL

Tot Ion:	107	Resp:	96379
Ion	Ratio	Lower	Upper
107	100		
108	116.5	93.0	139.4
77	53.9	44.1	66.1
79	56.0	43.6	65.4



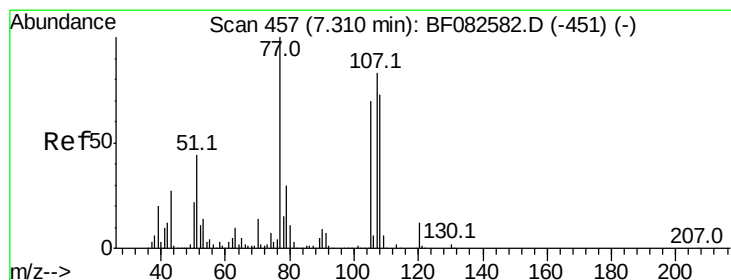
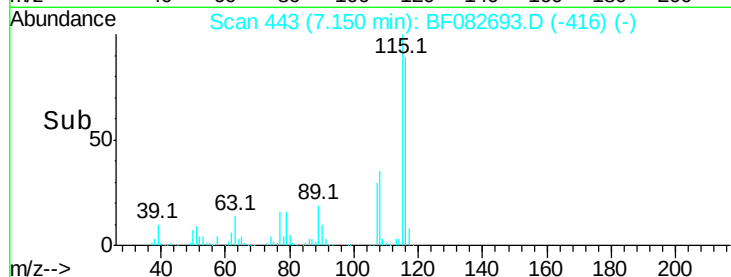
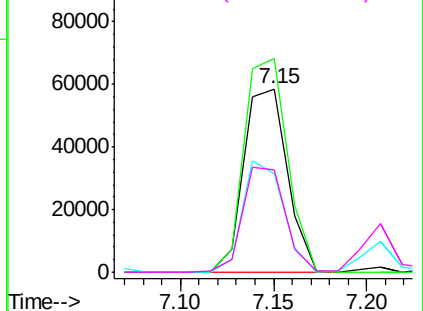
Abundance

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: 41.26 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.02 min
Lab File: BF082693.D
Acq: 4 Nov 2015 9:41

Tgt Ion:	107	Resp:	527094
Ion	Ratio	Lower	Upper
107	100		
108	98.6	67.3	107.3
77	43.1	100.3	140.3#
79	39.3	16.2	56.2

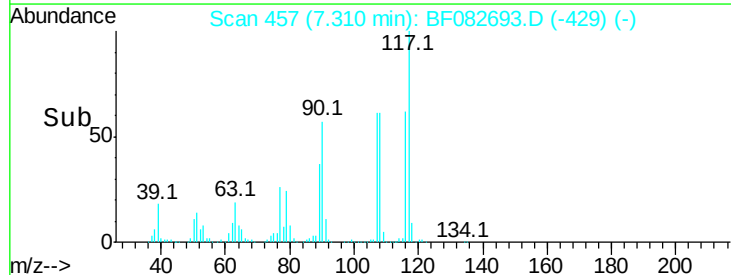
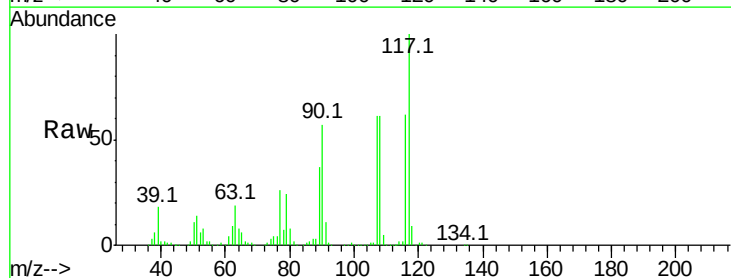
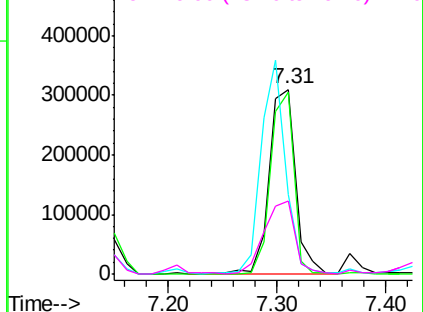
Abundance

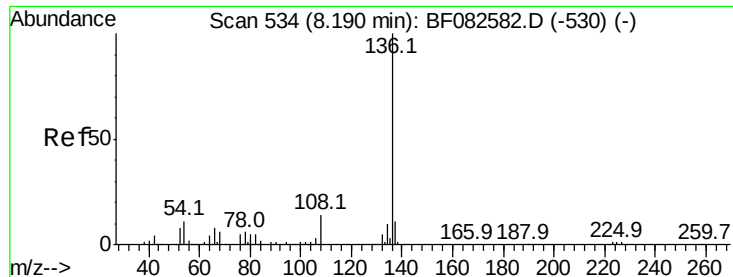
Ion 107.00 (106.70 to 107.70): E

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

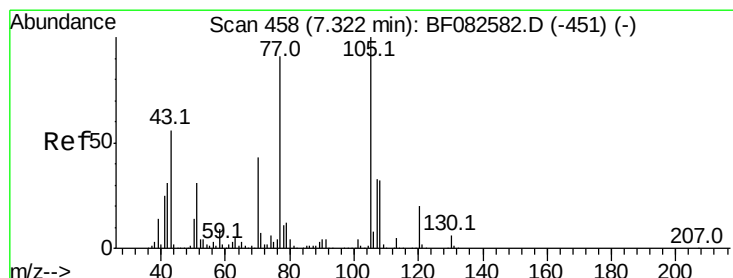
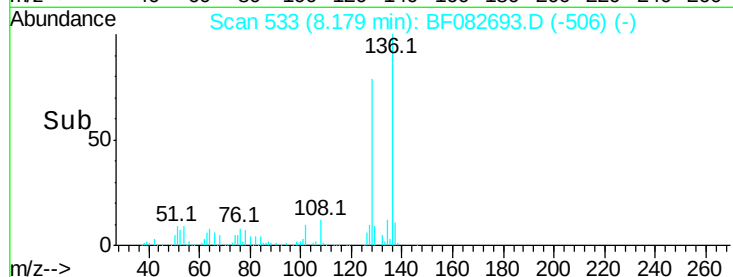
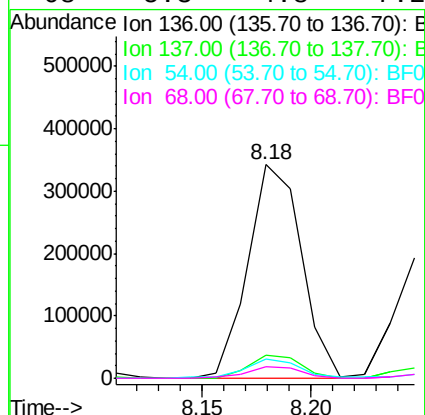
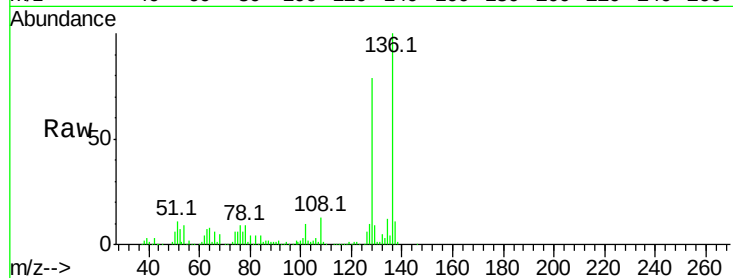




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.01 min
Lab File: BF082693.D
Acq: 4 Nov 2015 9:41

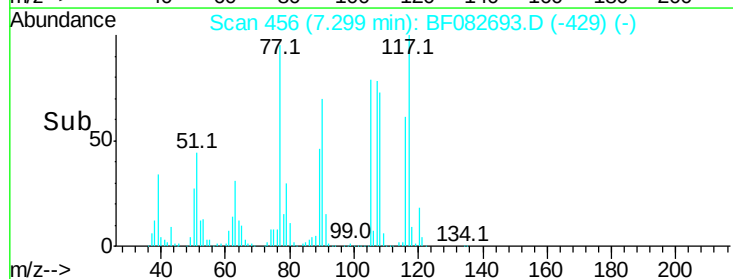
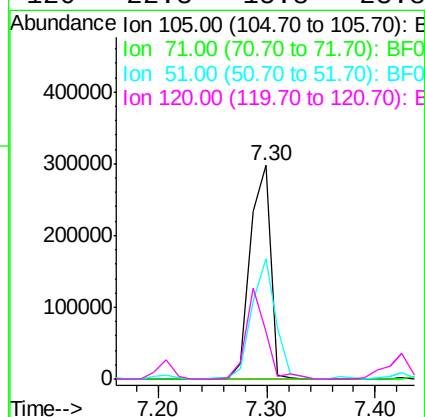
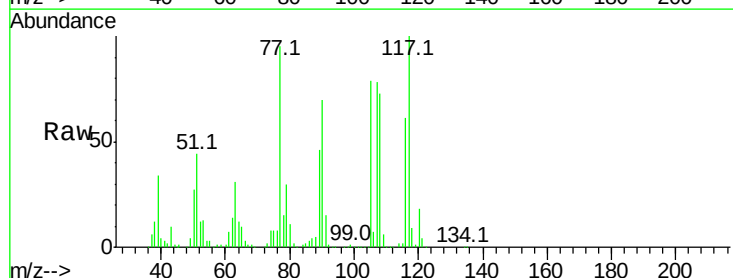
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-004DL

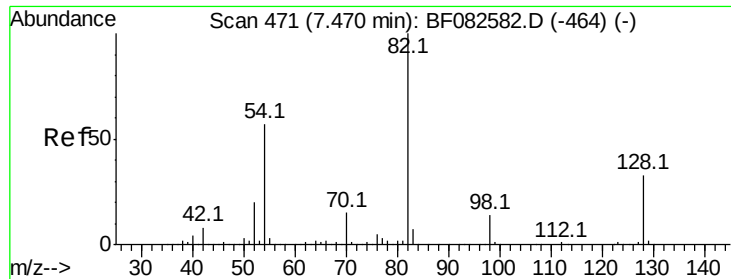
Tot Ion:	136	Resp:	588287
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	8.9	9.1	13.7#
68	5.3	4.8	7.2



#22
Acetophenone
Concen: 22.27 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF082693.D
Acq: 4 Nov 2015 9:41

Tgt Ion:	105	Resp:	385621
Ion Ratio	Lower	Upper	
105	100		
71	0.0	5.6	8.4#
51	56.2	24.9	37.3#
120	22.3	15.8	23.8

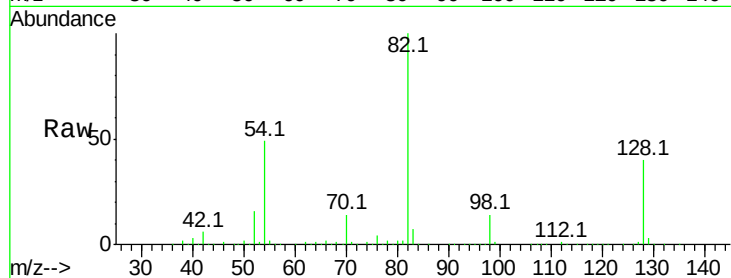




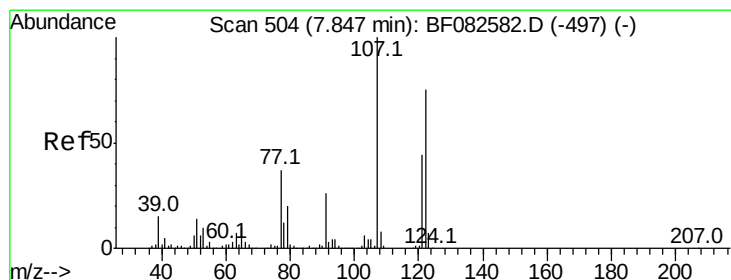
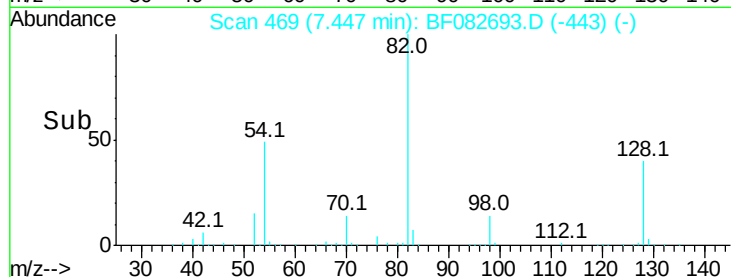
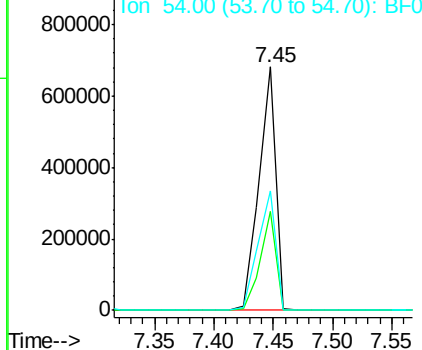
#23
 Nitrobenzene-d5
 Concen: 47.10 ng
 RT: 7.45 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: BF082693.D
 Acq: 4 Nov 2015 9:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-004DL

Tot Ion: 82 Resp: 678596
 Ion Ratio Lower Upper
 82 100
 128 40.5 26.8 40.2#
 54 49.0 45.7 68.5

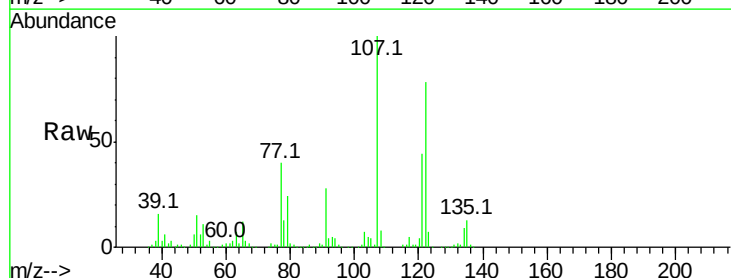


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

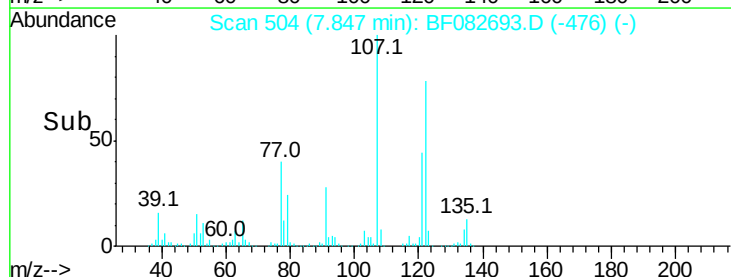
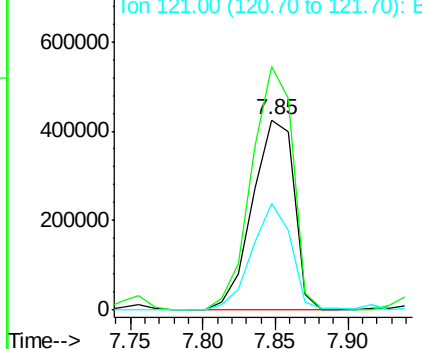


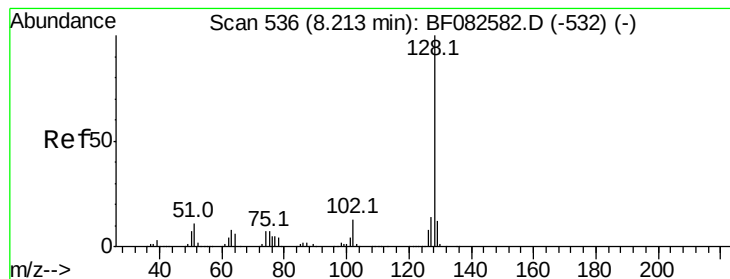
#27
 2,4-Dimethylphenol
 Concen: 81.24 ng
 RT: 7.85 min Scan# 504
 Delta R.T. 0.02 min
 Lab File: BF082693.D
 Acq: 4 Nov 2015 9:41

Tgt Ion: 122 Resp: 843548
 Ion Ratio Lower Upper
 122 100
 107 128.0 106.0 159.0
 121 56.2 46.7 70.1



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 345.03 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.03 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004DL

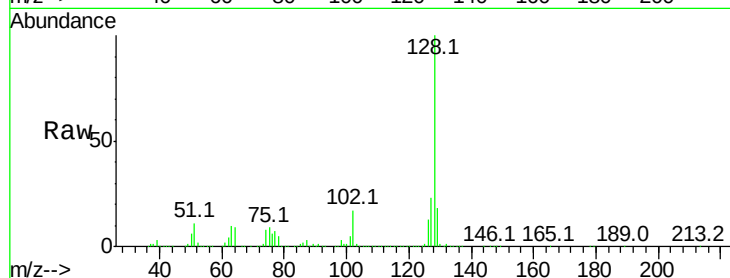
Tot Ion:128 Resp:10983257

Ion Ratio Lower Upper

128 100

129 18.4 9.5 14.3#

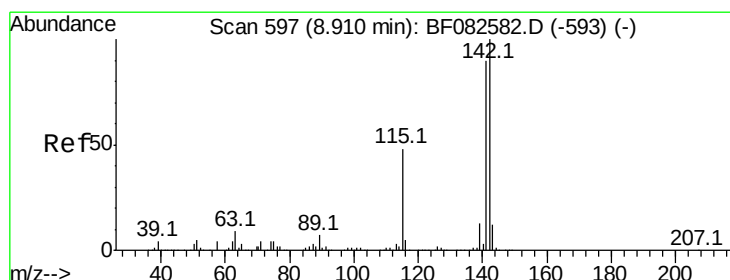
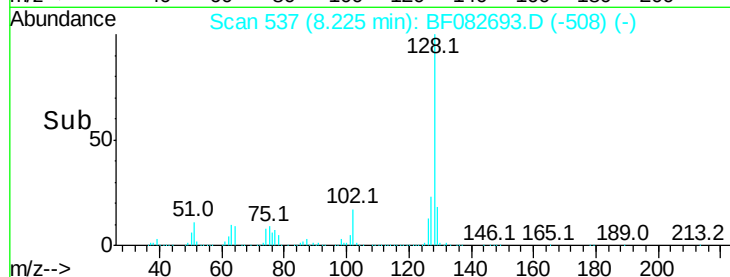
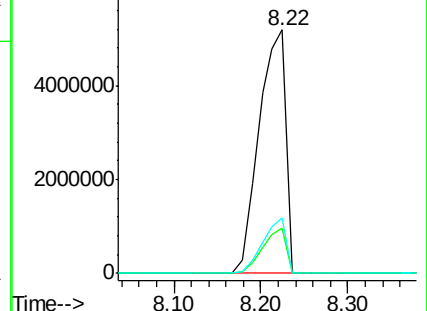
127 23.0 11.4 17.0#



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



#37

2-Methylnaphthalene

Concen: 29.17 ng

RT: 8.89 min Scan# 595

Delta R.T. 0.00 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

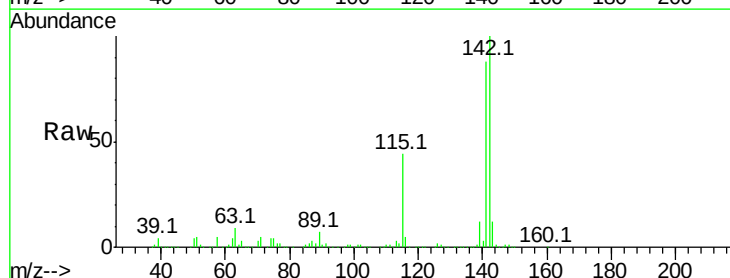
Tgt Ion:142 Resp: 601717

Ion Ratio Lower Upper

142 100

141 88.1 72.3 108.5

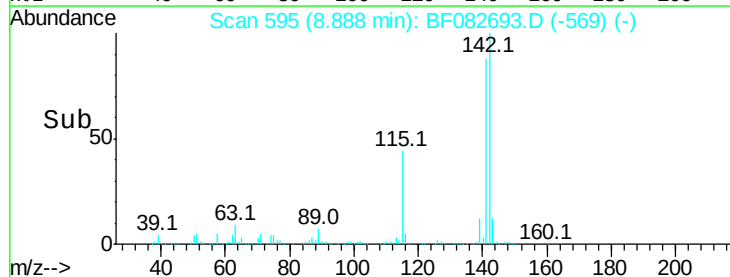
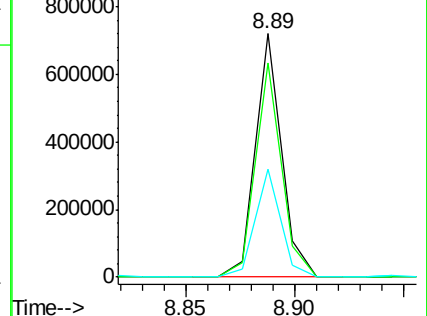
115 44.1 38.1 57.1

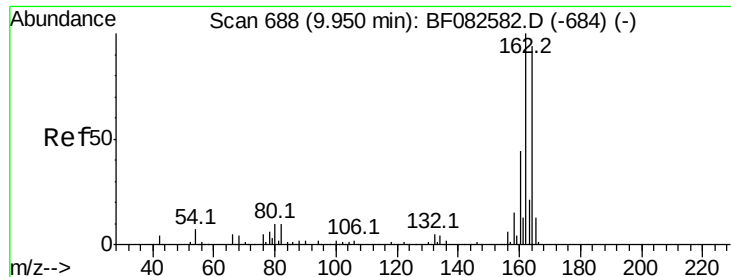


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004DL

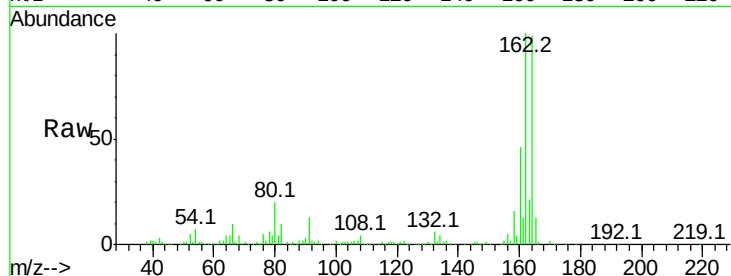
Tot Ion:164 Resp: 282338

Ion Ratio Lower Upper

164 100

162 101.2 84.9 127.3

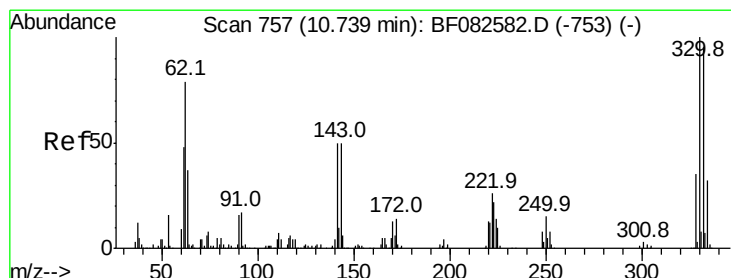
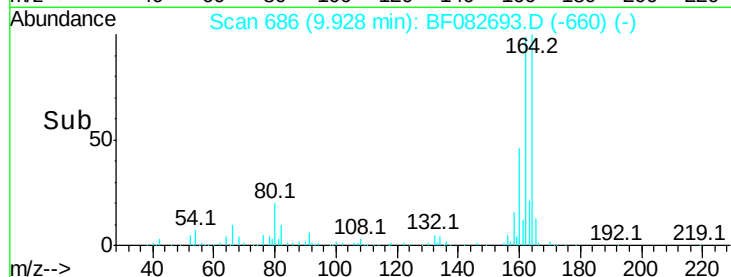
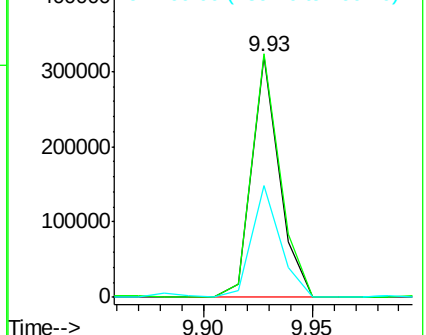
160 46.6 37.5 56.3



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: 60.61 ng

RT: 10.72 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

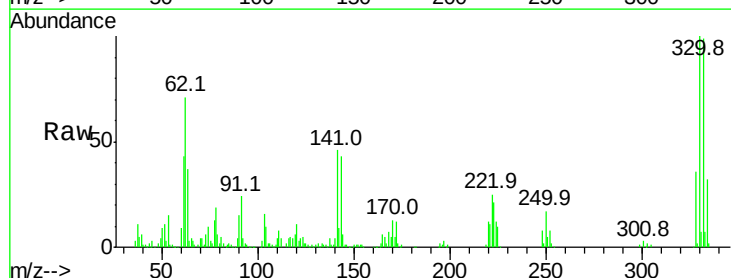
Tgt Ion:330 Resp: 187282

Ion Ratio Lower Upper

330 100

332 97.6 76.6 114.8

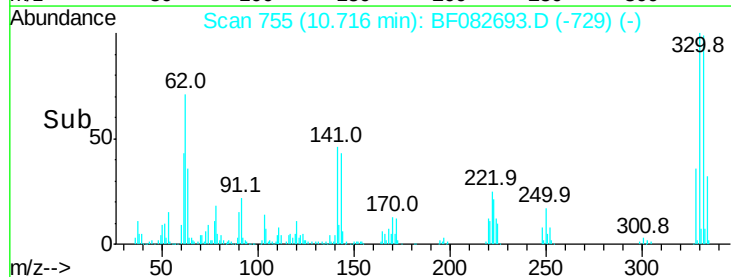
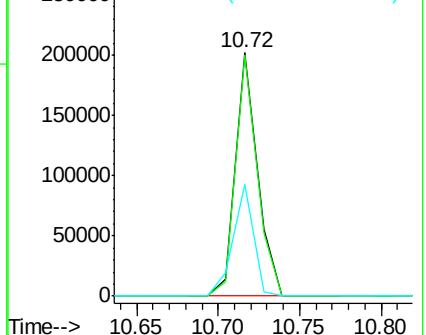
141 42.6 41.2 61.8

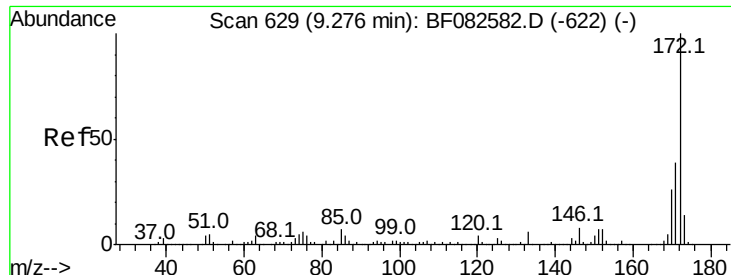


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

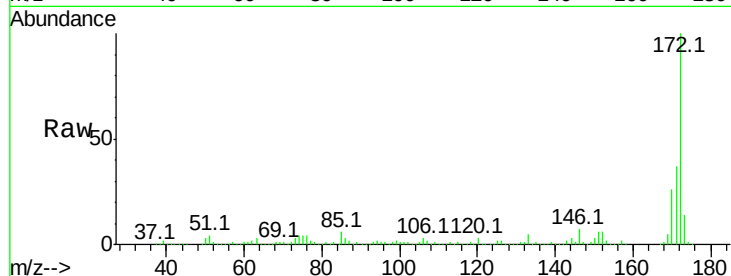




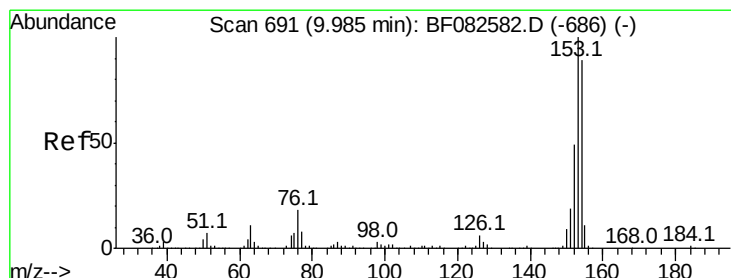
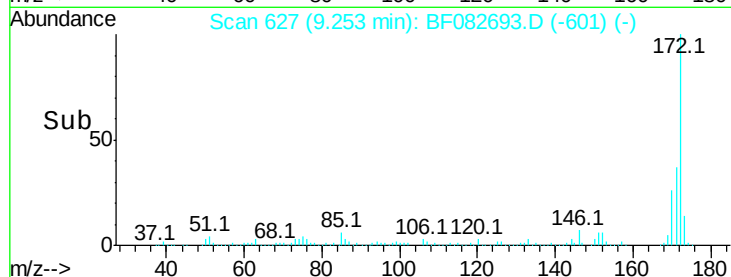
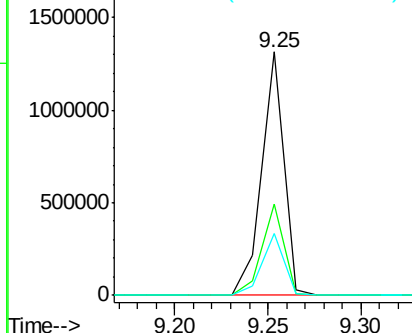
#44
2-Fluorobiphenyl
Concen: 53.97 ng
RT: 9.25 min Scan# 627
Delta R.T. 0.00 min
Lab File: BF082693.D
Acq: 4 Nov 2015 9:41

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-004DL

Tot Ion:172 Resp: 1073191
Ion Ratio Lower Upper
172 100
171 37.3 30.8 46.2
170 25.6 21.2 31.8

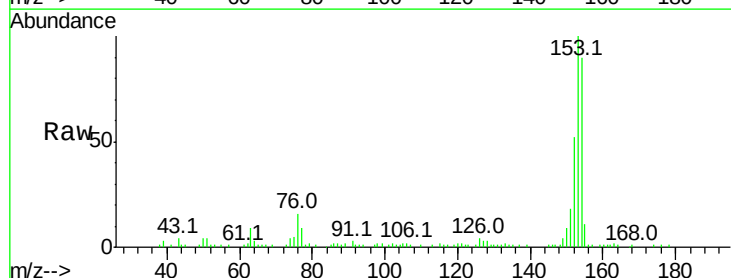


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

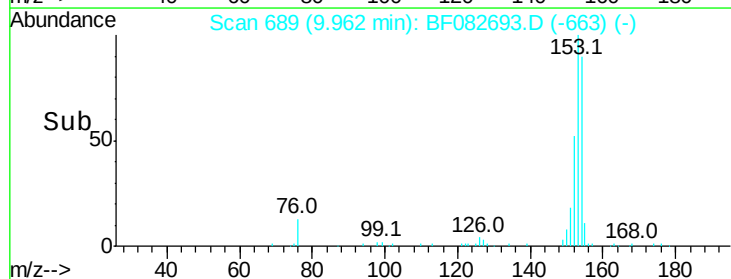
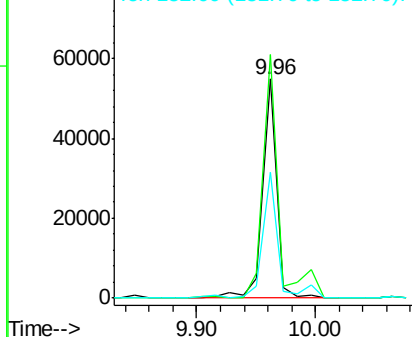


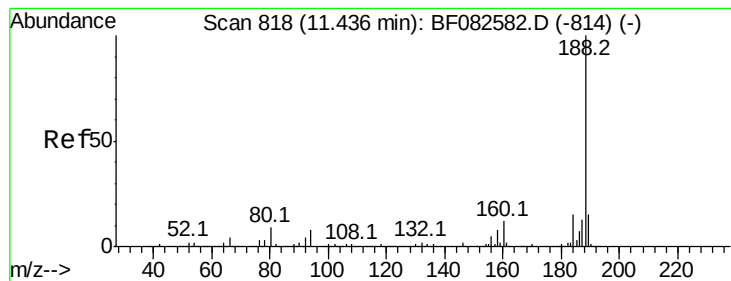
#51
Acenaphthene
Concen: 2.39 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF082693.D
Acq: 4 Nov 2015 9:41

Tgt Ion:154 Resp: 45224
Ion Ratio Lower Upper
154 100
153 111.1 90.1 135.1
152 57.3 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004DL

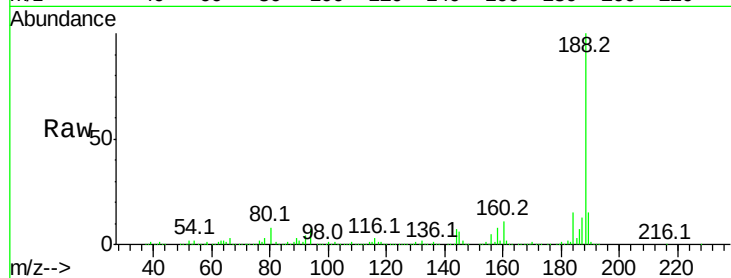
Tot Ion:188 Resp: 471313

Ion Ratio Lower Upper

188 100

94 7.3 6.1 9.1

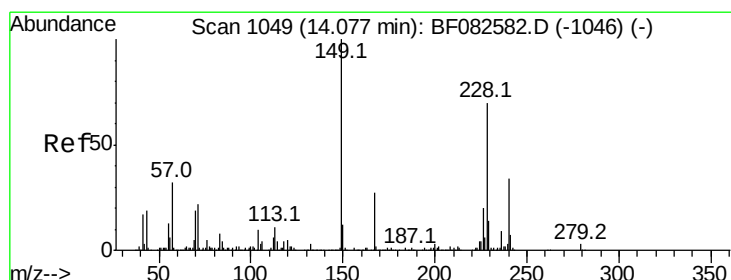
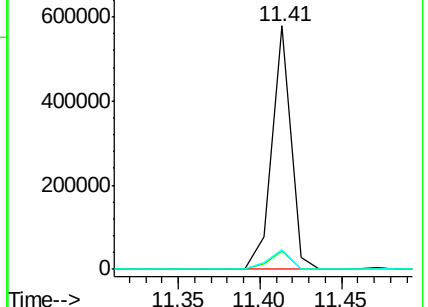
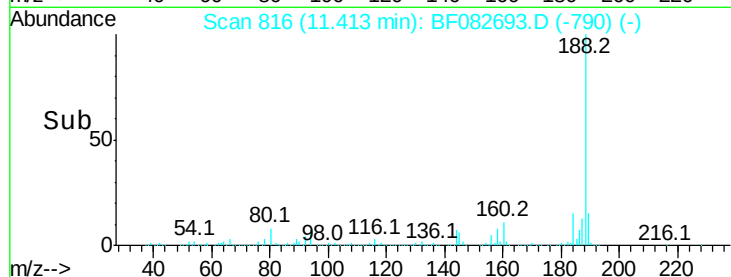
80 8.1 7.0 10.6



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: BF082693.D

Acq: 4 Nov 2015 9:41

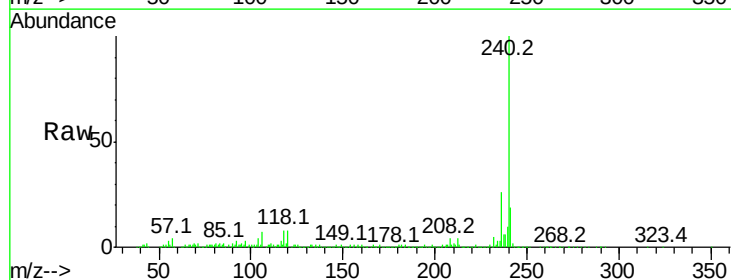
Tgt Ion:240 Resp: 368706

Ion Ratio Lower Upper

240 100

120 8.4 10.9 16.3#

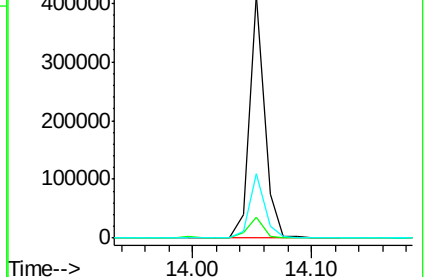
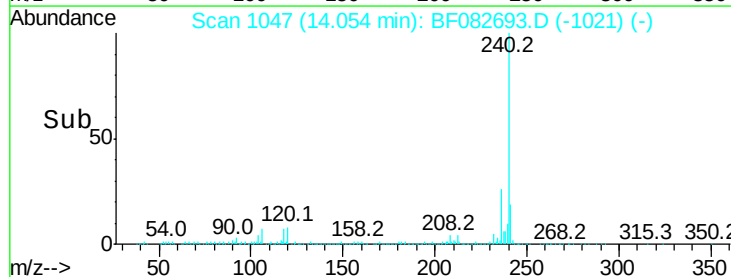
236 26.2 21.6 32.4

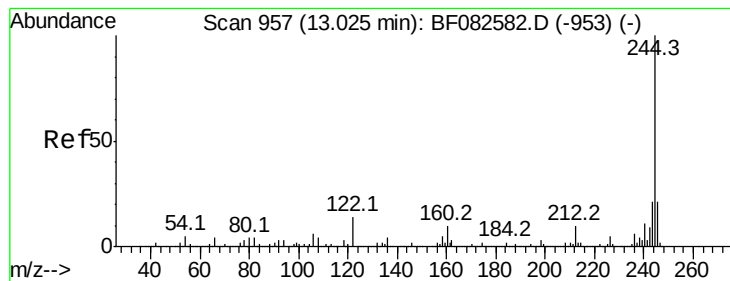


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 40.32 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

Instrument :

BNA_F

ClientSampleID :

WC-SOIL-004DL

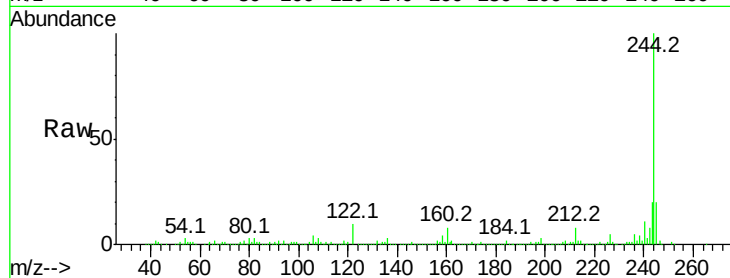
Tot Ion:244 Resp: 679232

Ion Ratio Lower Upper

244 100

212 8.1 7.6 11.4

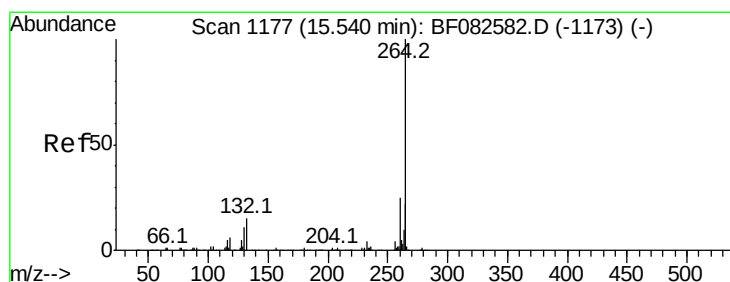
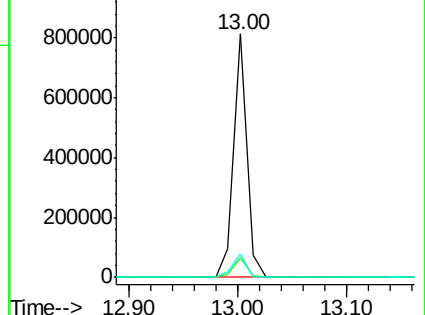
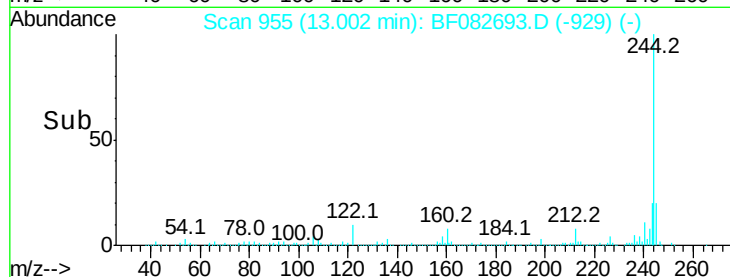
122 9.8 11.3 16.9#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BF082693.D

Acq: 4 Nov 2015 9:41

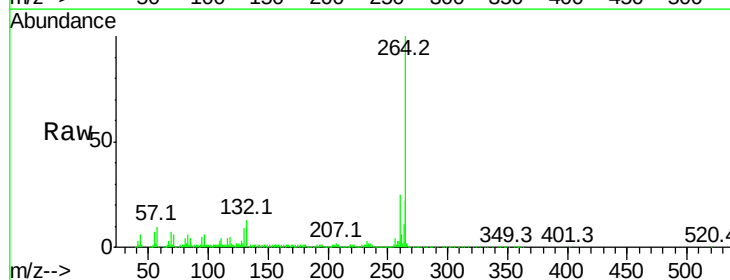
Tgt Ion:264 Resp: 357547

Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.6

265 21.9 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

