

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
 Data File : BF082665.D
 Acq On : 3 Nov 2015 17:23
 Operator : UM/IZ
 Sample : G4236-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-004

Quant Time: Nov 04 04:32:35 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

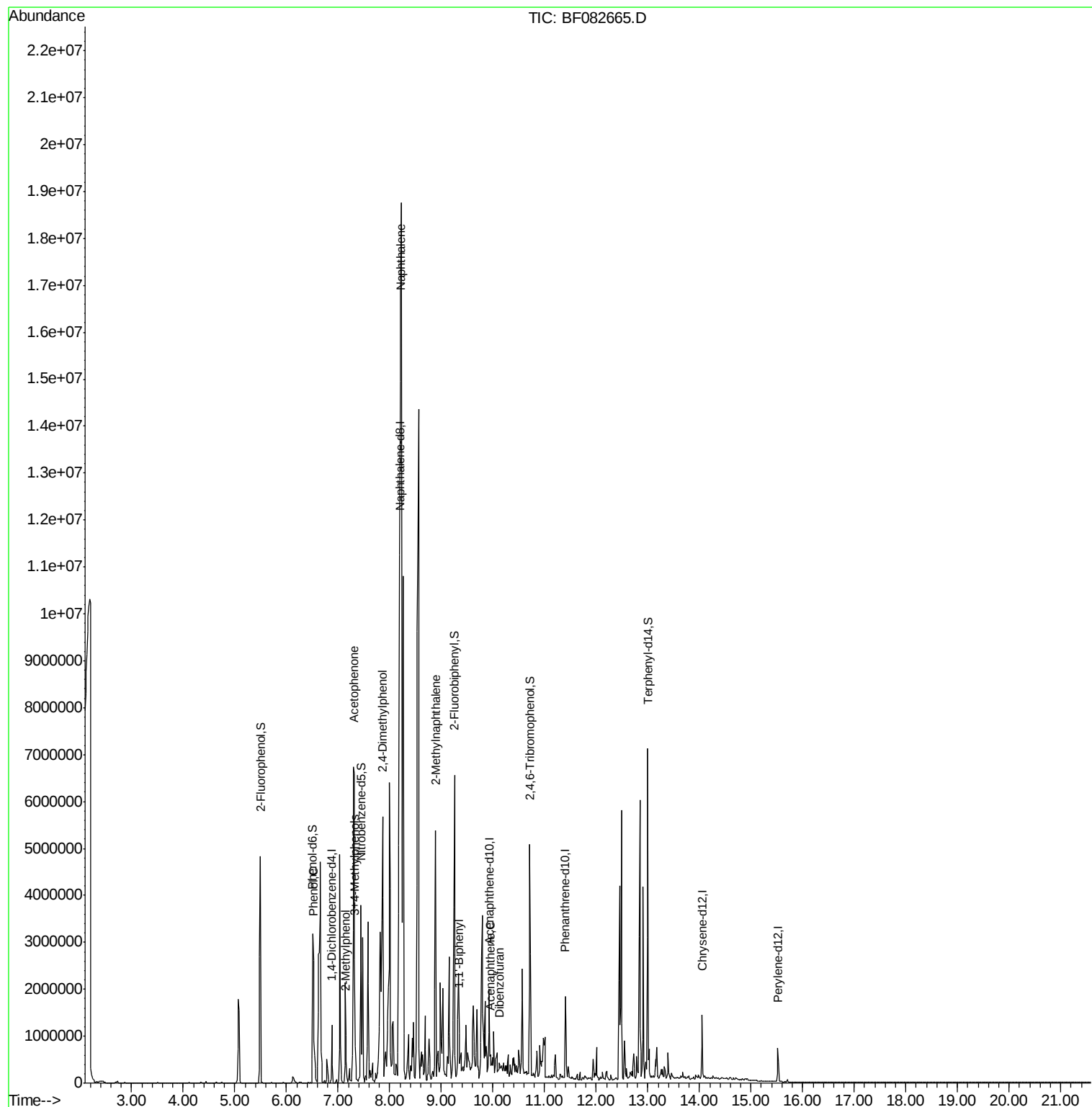
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	169557	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	599079	20.00	ng	0.02
38) Acenaphthene-d10	9.93	164	340071	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	604142	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	532784	20.00	ng	0.00
86) Perylene-d12	15.52	264	351168	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1408385	125.10	ng	0.02
7) Phenol-d6	6.51	99	1742708	116.52	ng	0.00
23) Nitrobenzene-d5	7.45	82	1449613	98.81	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	501419	134.73	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	2325733	97.10	ng	0.00
78) Terphenyl-d14	13.00	244	2128829	87.44	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	148288	8.75	ng	# 72
17) 2-Methylphenol	7.15	107	230367	22.24	ng	98
20) 3+4-Methylphenols	7.32	107	1112912	82.69	ng	# 61
22) Acetophenone	7.30	105	818575	46.41	ng	# 67
27) 2,4-Dimethylphenol	7.86	122	1813904	171.54	ng	93
31) Naphthalene	8.22	128	15829630	488.32	ng	# 72
37) 2-Methylnaphthalene	8.89	142	1423307	67.75	ng	97
45) 1,1'-Biphenyl	9.34	154	84639	2.95	ng	95
51) Acenaphthene	9.95	154	94716	4.16	ng	96
54) Dibenzofuran	10.12	168	91096	2.95	ng	95

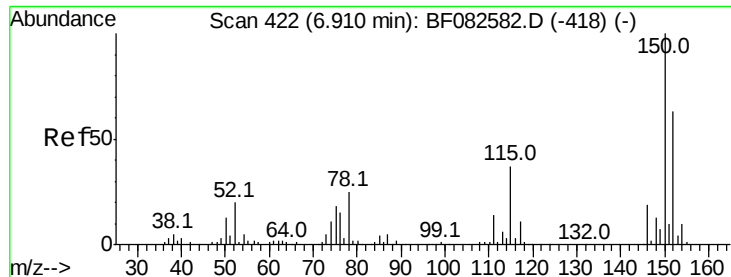
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 04 04:32:35 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004

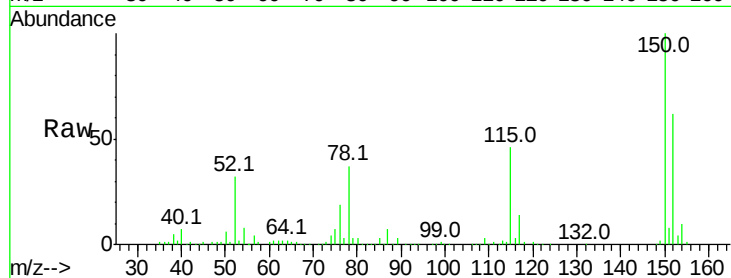
Tot Ion:152 Resp: 169557

Ion Ratio Lower Upper

152 100

150 160.2 127.0 190.4

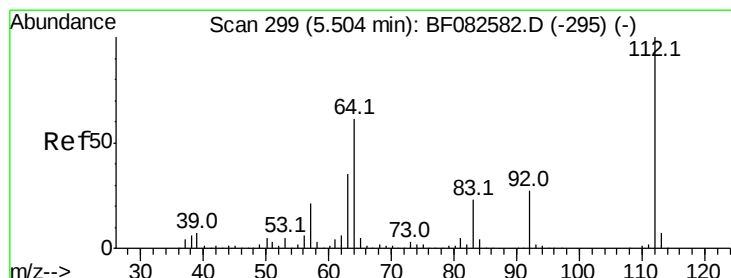
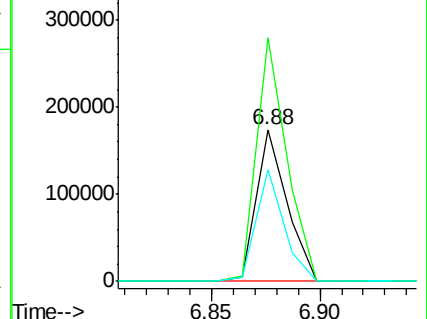
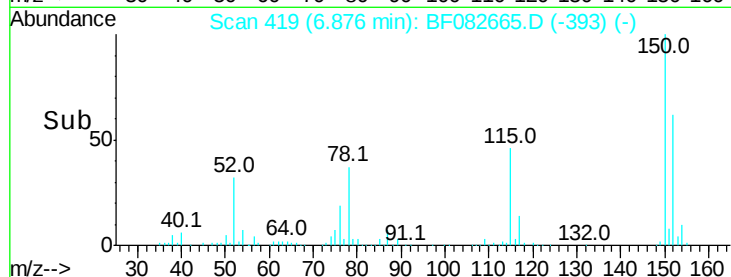
115 73.4 47.0 70.6#



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: 125.10 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.02 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

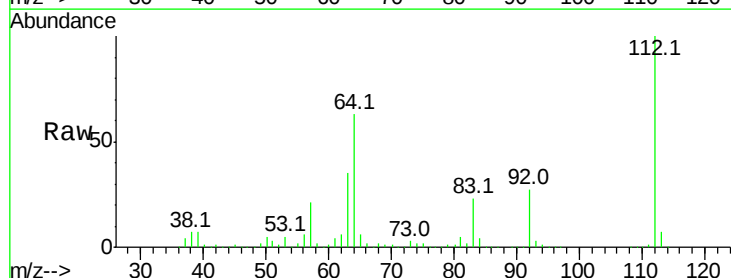
Tgt Ion:112 Resp: 1408385

Ion Ratio Lower Upper

112 100

64 62.6 48.9 73.3

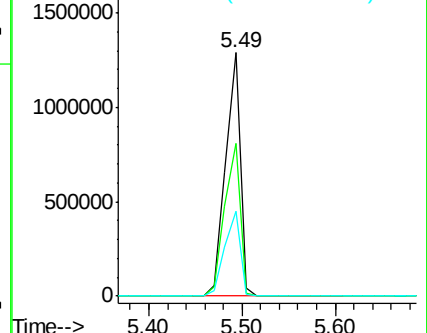
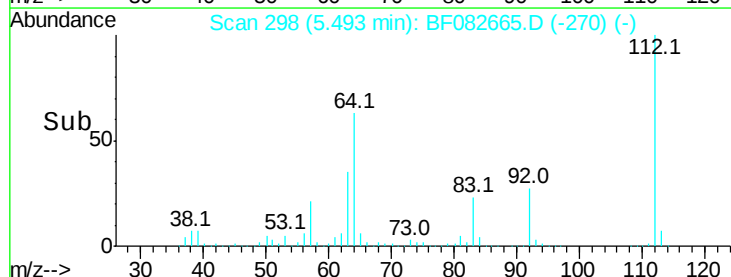
63 34.8 28.1 42.1

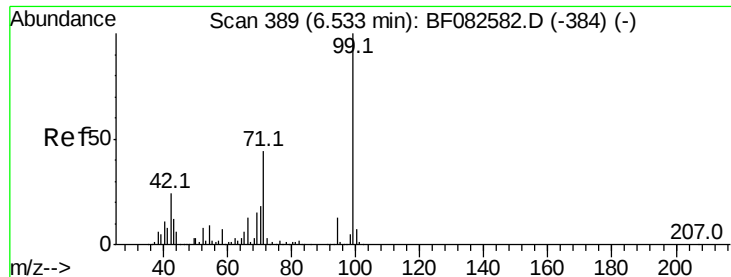


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.52 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004

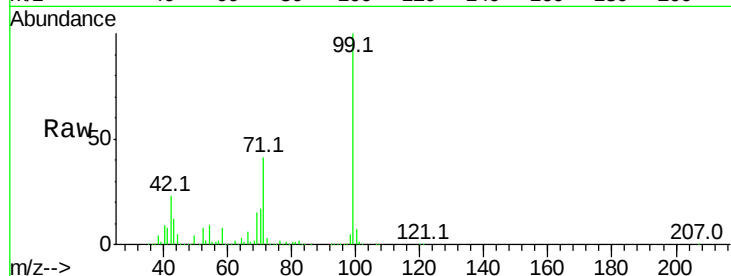
Tot Ion: 99 Resp: 1742708

Ion Ratio Lower Upper

99 100

42 22.8 19.2 28.8

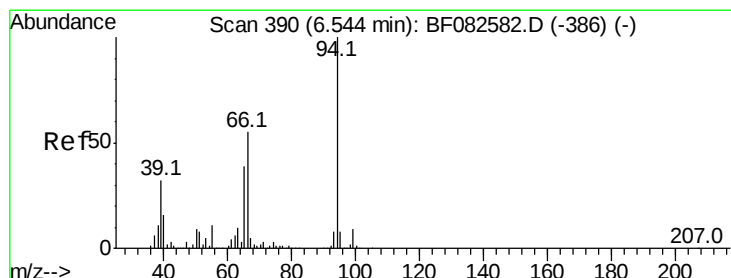
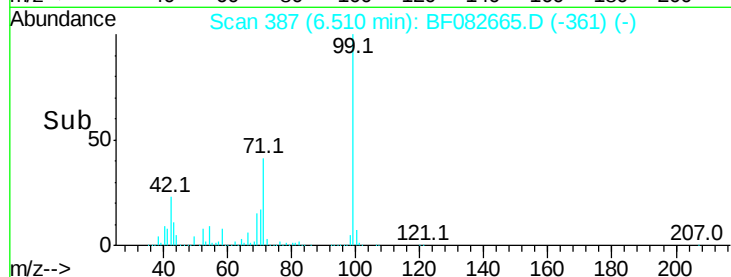
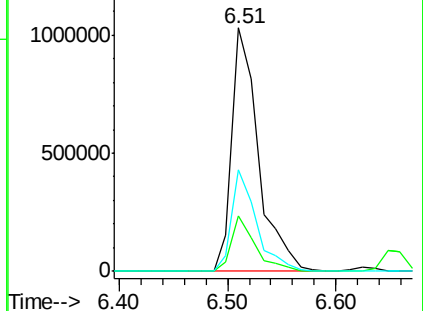
71 41.5 35.0 52.4



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: 8.75 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

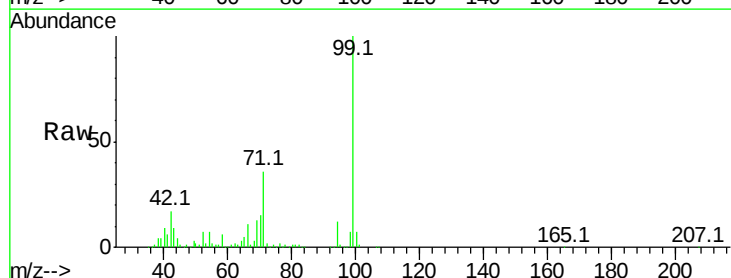
Tgt Ion: 94 Resp: 148288

Ion Ratio Lower Upper

94 100

65 41.9 18.9 58.9

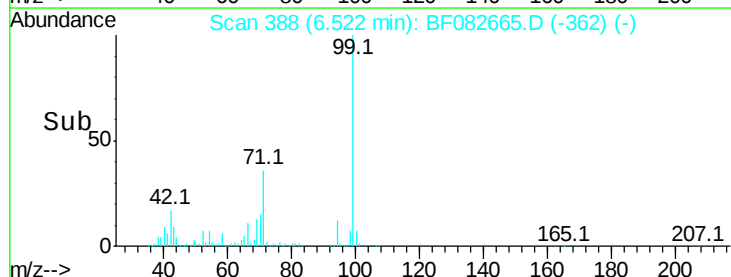
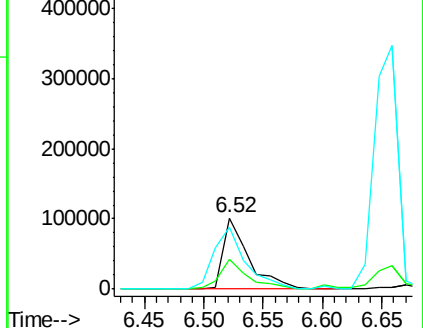
66 86.6 34.9 74.9#

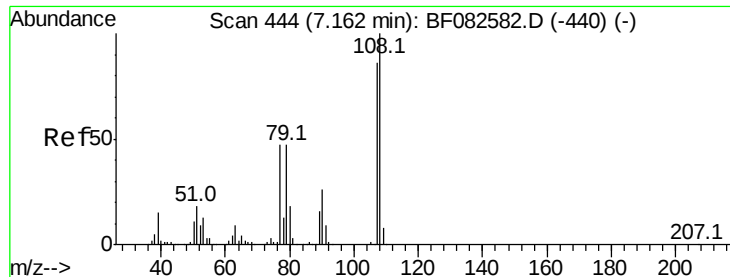


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#17

2-Methylphenol

Concen: 22.24 ng

RT: 7.15 min Scan# 443

Delta R.T. 0.01 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004

Tot Ion:107 Resp: 230367

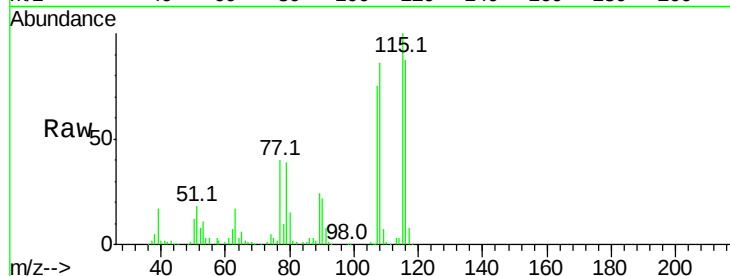
Ion Ratio Lower Upper

107 100

108 114.1 93.0 139.4

77 53.7 44.1 66.1

79 51.7 43.6 65.4



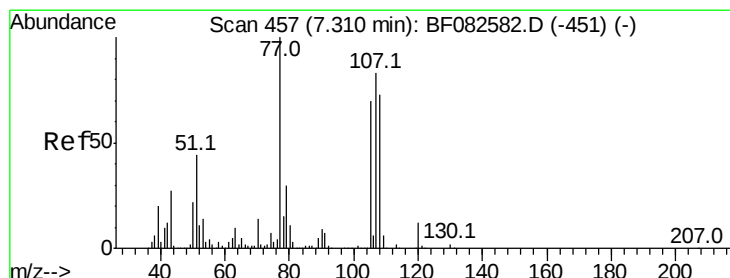
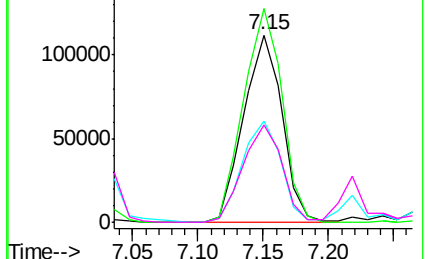
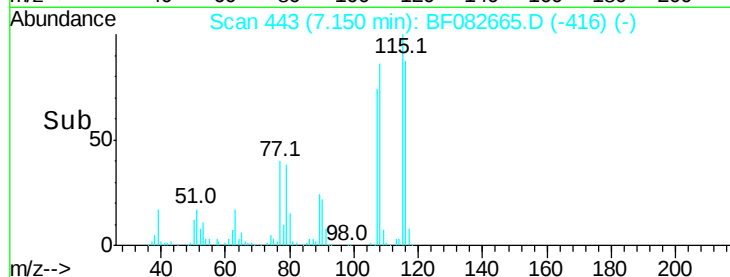
Abundance Ion 107.00 (106.70 to 107.70): E

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

Time-->



#20

3+4-Methylphenols

Concen: 82.69 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.03 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

Tgt Ion:107 Resp: 1112912

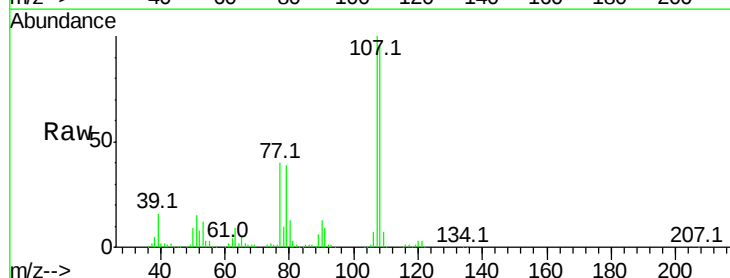
Ion Ratio Lower Upper

107 100

108 94.5 67.3 107.3

77 40.1 100.3 140.3#

79 39.5 16.2 56.2



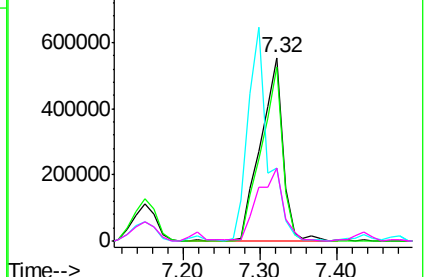
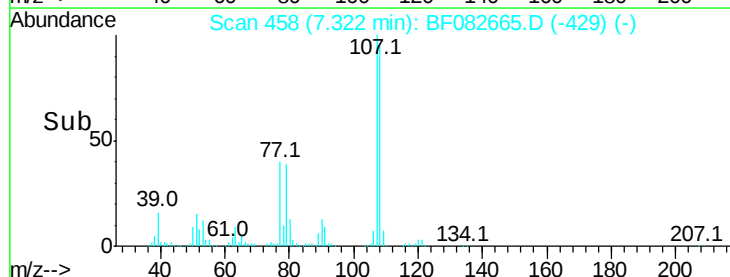
Abundance Ion 107.00 (106.70 to 107.70): E

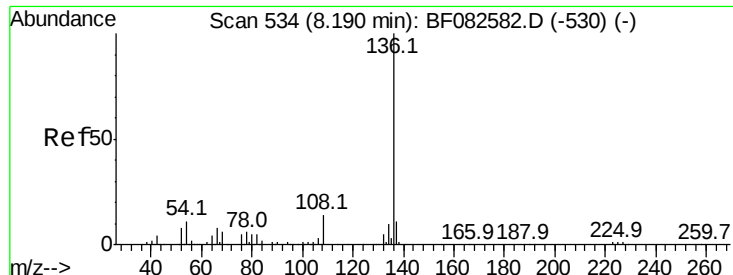
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

Time-->

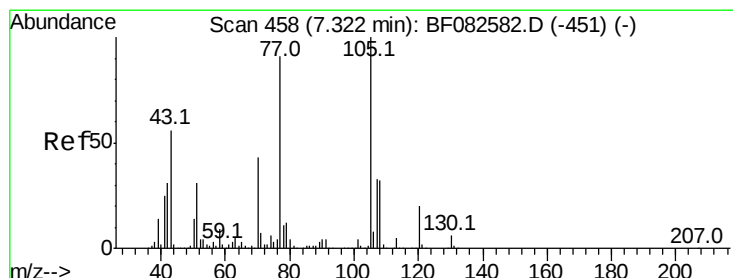
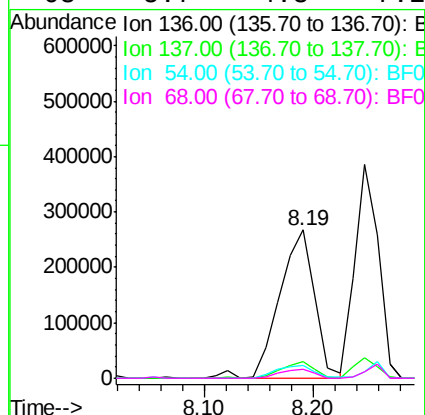
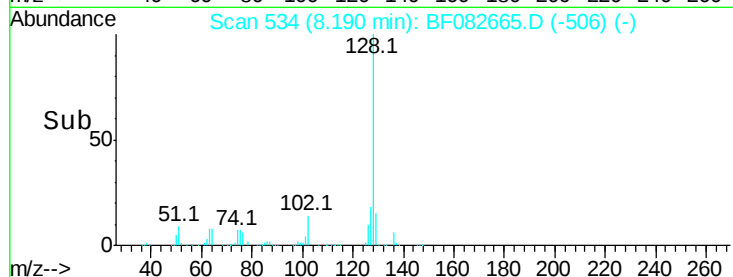
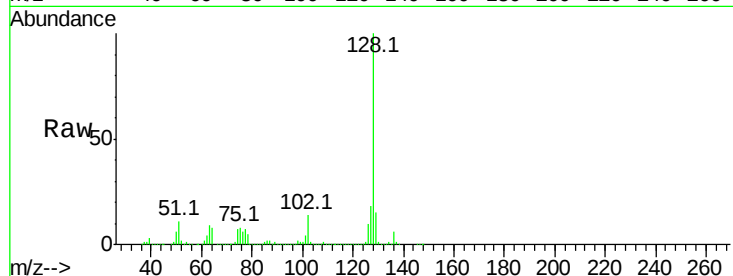




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.02 min
Lab File: BF082665.D
Acq: 3 Nov 2015 17:23

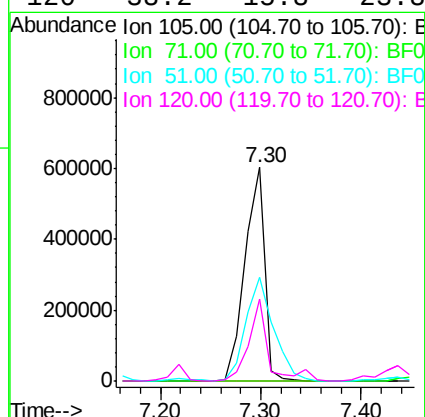
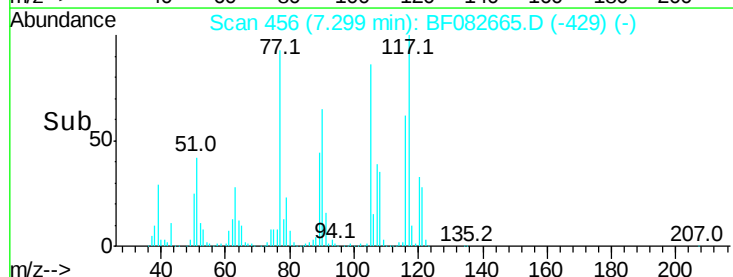
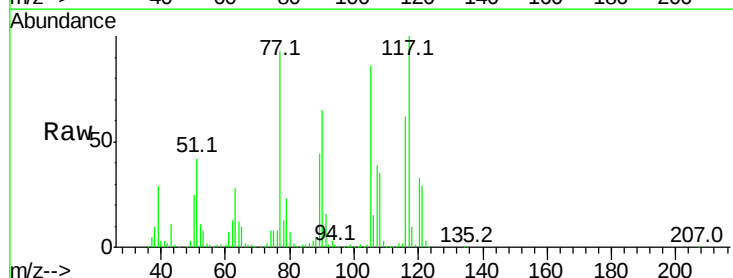
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-004

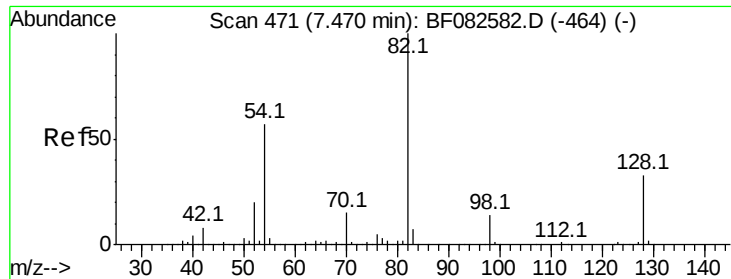
Tot Ion:136	Resp: 599079
Ion Ratio	Lower Upper
136 100	
137 10.8	9.1 13.7
54 8.4	9.1 13.7#
68 5.7	4.8 7.2



#22
Acetophenone
Concen: 46.41 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF082665.D
Acq: 3 Nov 2015 17:23

Tgt Ion:105	Resp: 818575
Ion Ratio	Lower Upper
105 100	
71 0.1	5.6 8.4#
51 48.5	24.9 37.3#
120 38.2	15.8 23.8#

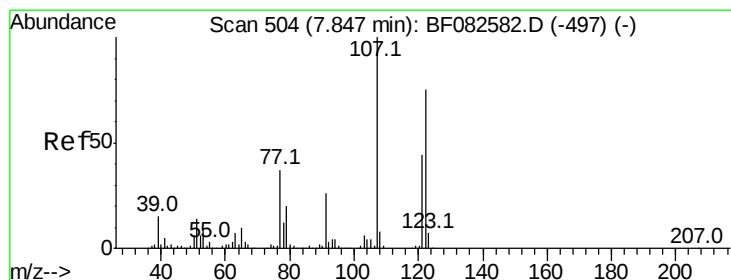
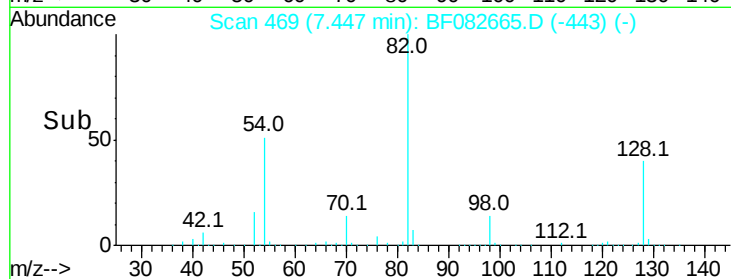
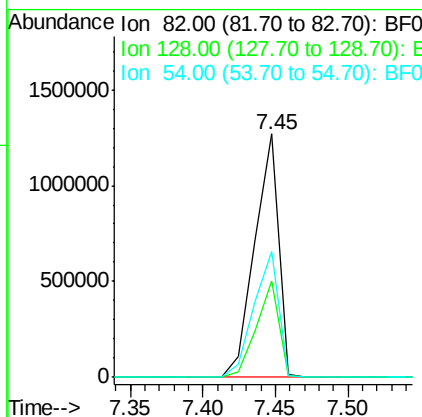
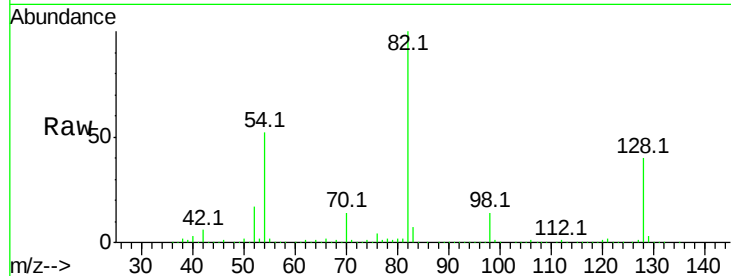




#23
 Nitrobenzene-d5
 Concen: 98.81 ng
 RT: 7.45 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: BF082665.D
 Acq: 3 Nov 2015 17:23

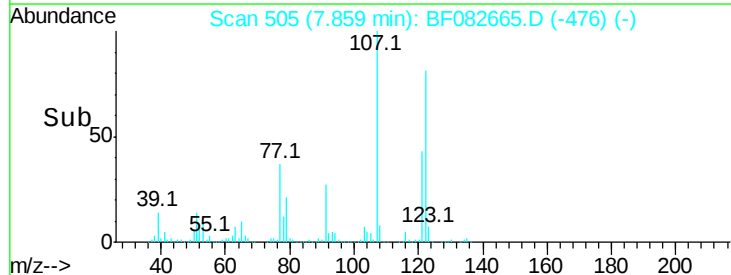
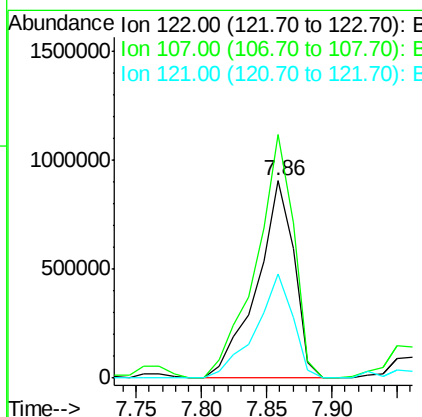
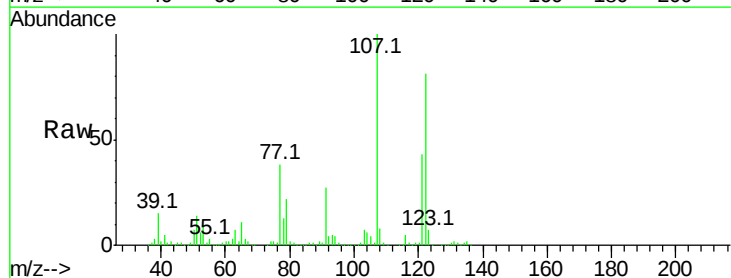
Instrument :
 BNA_F
 ClientSampleId :
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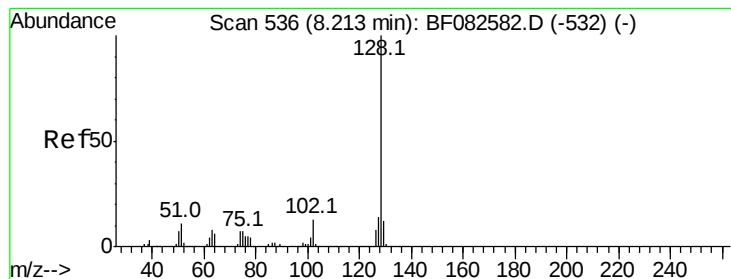
Tot Ion: 82 Resp: 1449613
 Ion Ratio Lower Upper
 82 100
 128 39.5 26.8 40.2
 54 51.6 45.7 68.5



#27
 2,4-Dimethylphenol
 Concen: 171.54 ng
 RT: 7.86 min Scan# 505
 Delta R.T. 0.03 min
 Lab File: BF082665.D
 Acq: 3 Nov 2015 17:23

Tgt Ion:122 Resp: 1813904
 Ion Ratio Lower Upper
 122 100
 107 123.6 106.0 159.0
 121 53.0 46.7 70.1





#31

Naphthalene

Concen: 488.32 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.03 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004

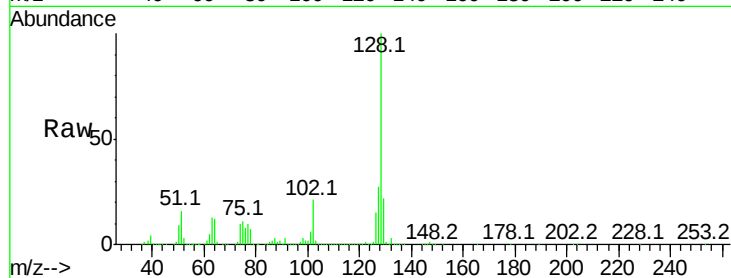
Tot Ion:128 Resp:15829630

Ion Ratio Lower Upper

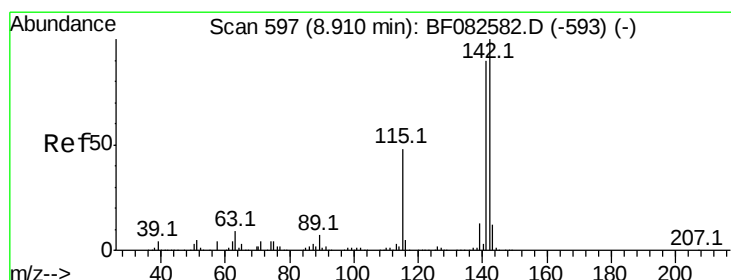
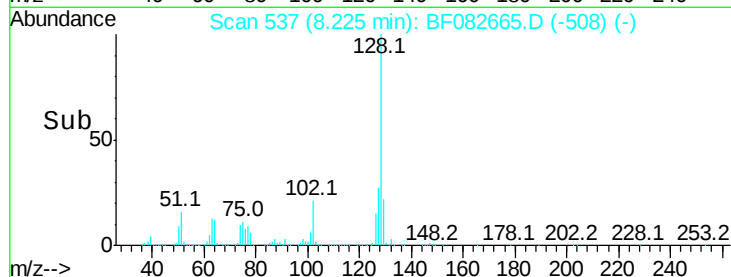
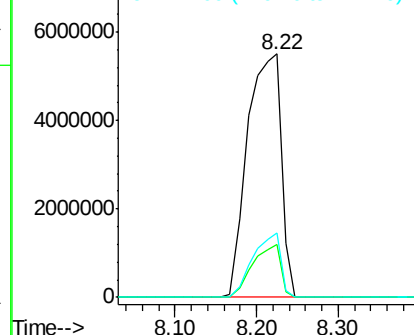
128 100

129 21.5 9.5 14.3#

127 26.7 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: 67.75 ng

RT: 8.89 min Scan# 595

Delta R.T. 0.00 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

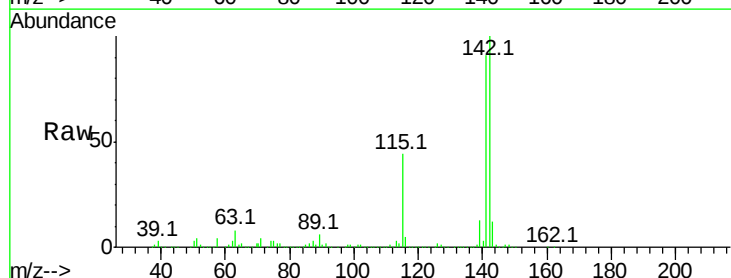
Tgt Ion:142 Resp: 1423307

Ion Ratio Lower Upper

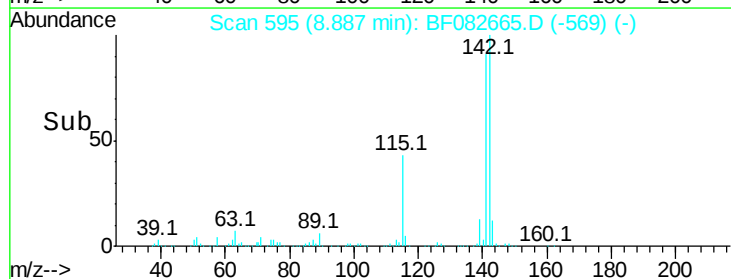
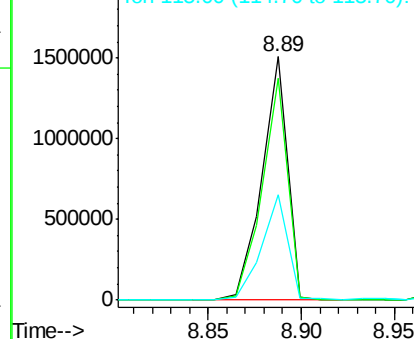
142 100

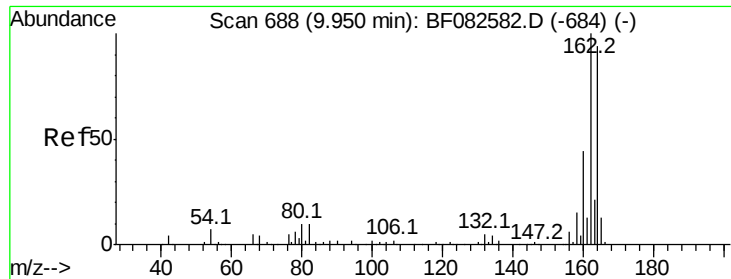
141 91.2 72.3 108.5

115 43.5 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: BF082665.D

Acq: 3 Nov 2015 17:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004

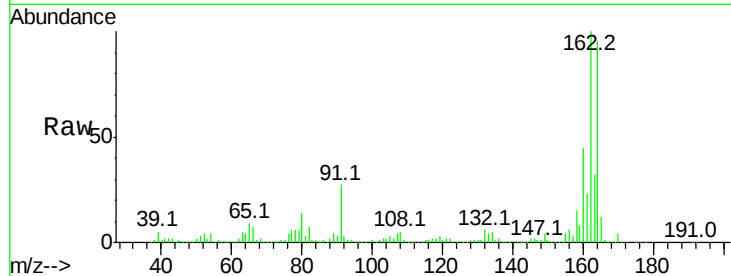
Tot Ion:164 Resp: 340071

Ion Ratio Lower Upper

164 100

162 105.3 84.9 127.3

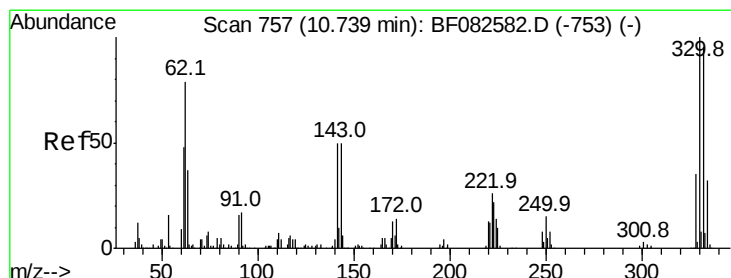
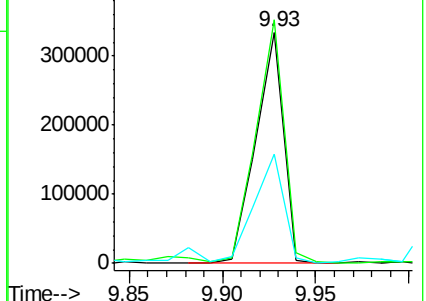
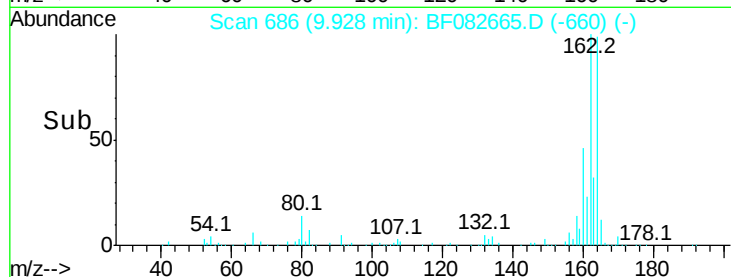
160 47.3 37.5 56.3



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: 134.73 ng

RT: 10.72 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

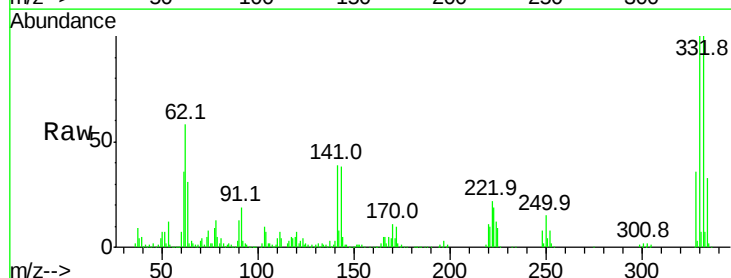
Tgt Ion:330 Resp: 501419

Ion Ratio Lower Upper

330 100

332 99.2 76.6 114.8

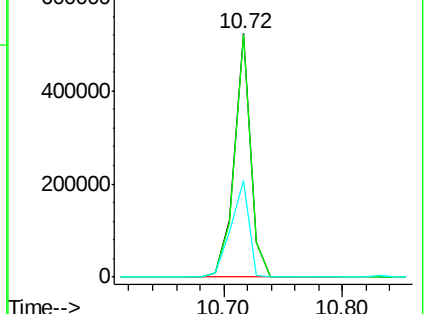
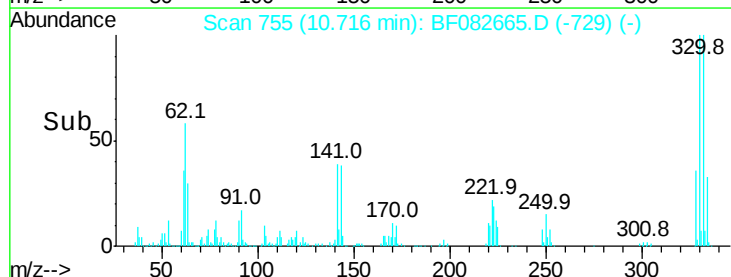
141 43.2 41.2 61.8

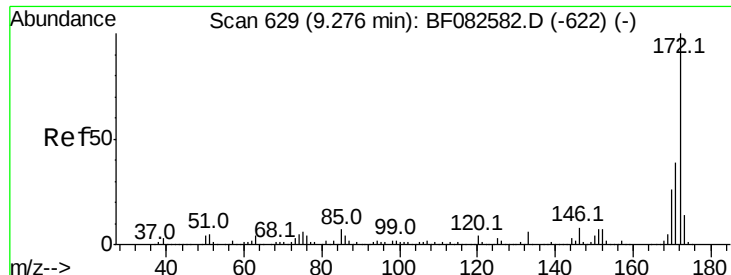


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

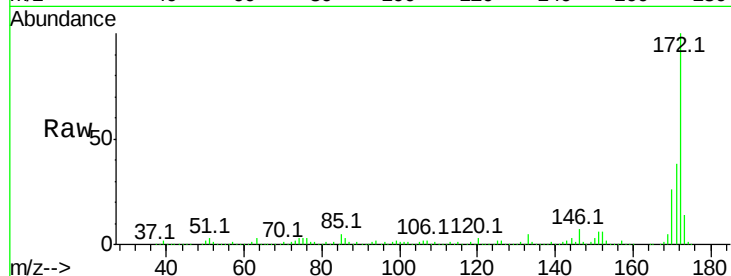




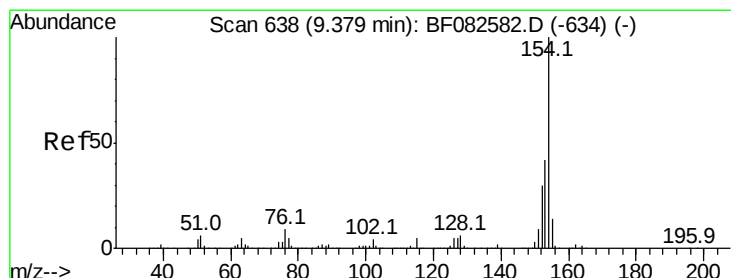
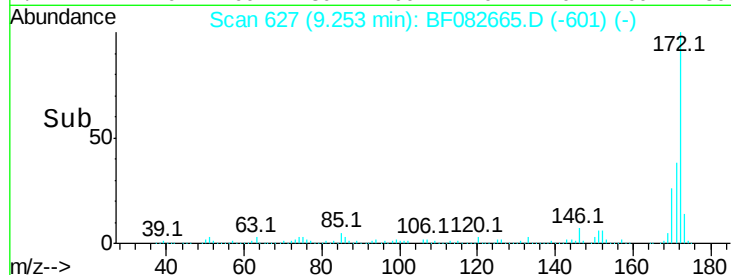
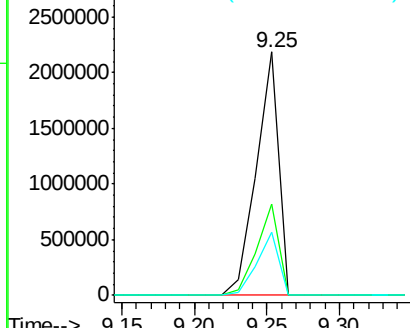
#44
2-Fluorobiphenyl
Concen: 97.10 ng
RT: 9.25 min Scan# 627
Delta R.T. 0.00 min
Lab File: BF082665.D
Acq: 3 Nov 2015 17:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-004

Tot Ion:172 Resp: 2325733
Ion Ratio Lower Upper
172 100
171 37.5 30.8 46.2
170 25.7 21.2 31.8

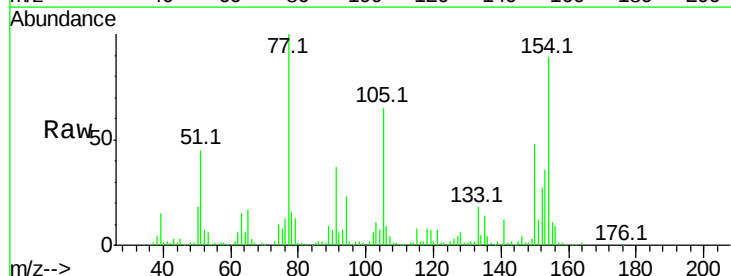


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

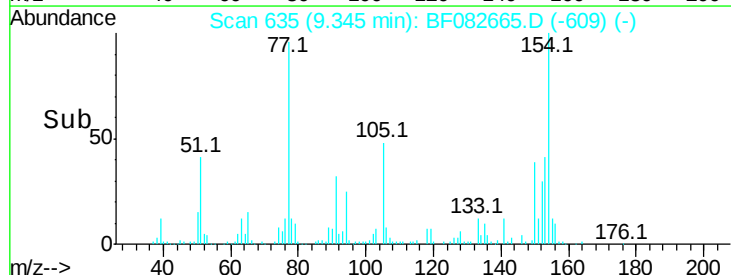
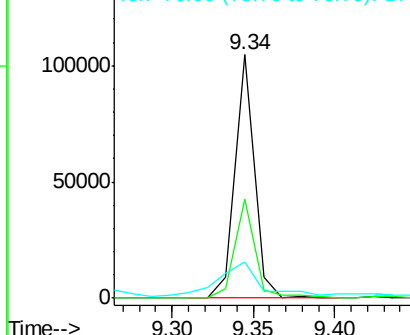


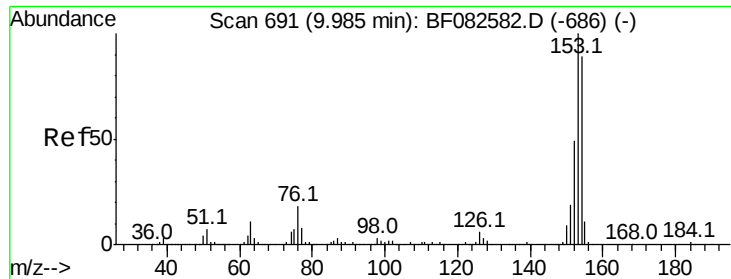
#45
1,1'-Biphenyl
Concen: 2.95 ng
RT: 9.34 min Scan# 635
Delta R.T. 0.00 min
Lab File: BF082665.D
Acq: 3 Nov 2015 17:23

Tgt Ion:154 Resp: 84639
Ion Ratio Lower Upper
154 100
153 40.5 22.0 62.0
76 15.1 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): BF0





#51

Acenaphthene

Concen: 4.16 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004

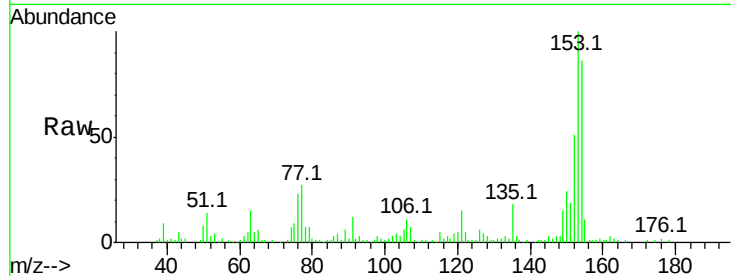
Tot Ion:154 Resp: 94716

Ion Ratio Lower Upper

154 100

153 116.3 90.1 135.1

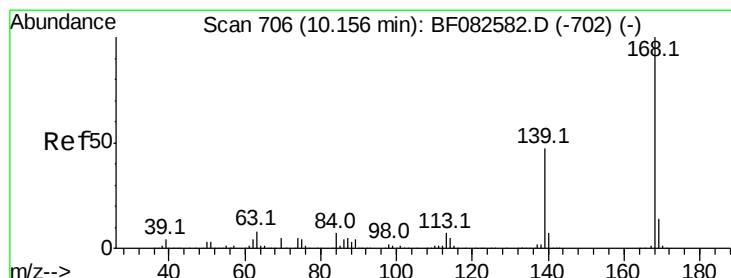
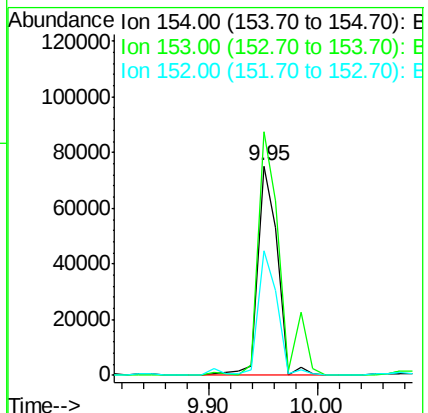
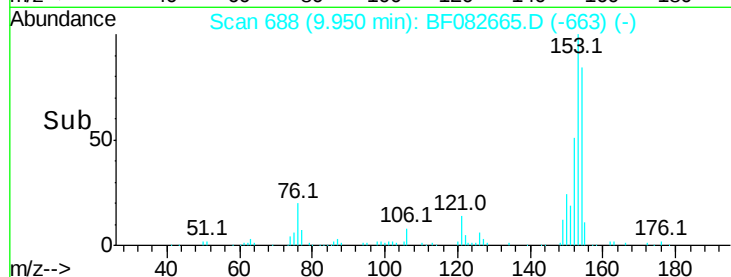
152 59.4 44.3 66.5



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: 2.95 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

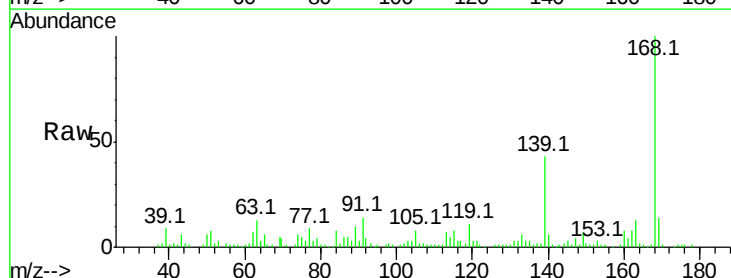
Tgt Ion:168 Resp: 91096

Ion Ratio Lower Upper

168 100

139 43.4 37.8 56.6

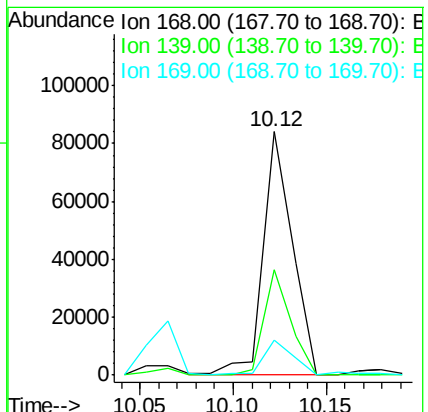
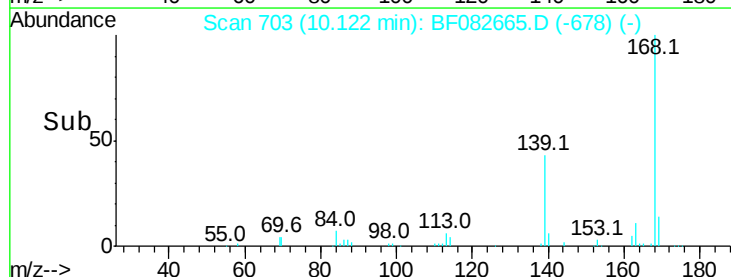
169 14.5 11.3 16.9

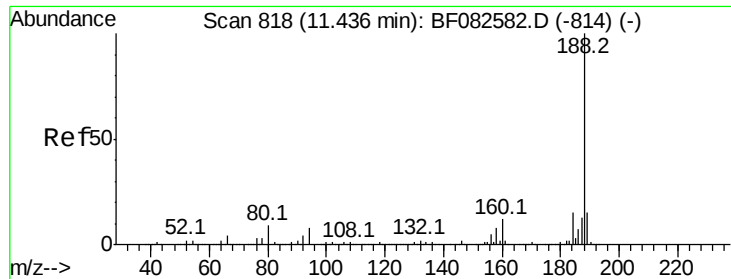


Abundance Ion 168.00 (167.70 to 168.70): E

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: BF082665.D

Acq: 3 Nov 2015 17:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004

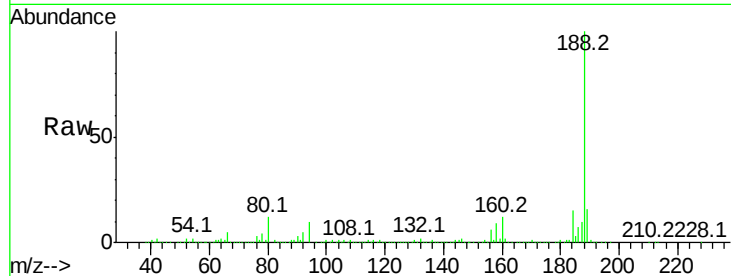
Tot Ion:188 Resp: 604142

Ion Ratio Lower Upper

188 100

94 10.1 6.1 9.1#

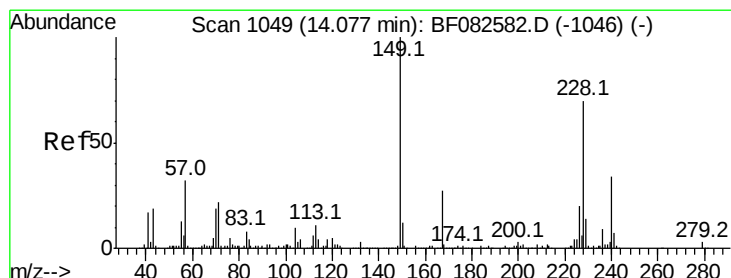
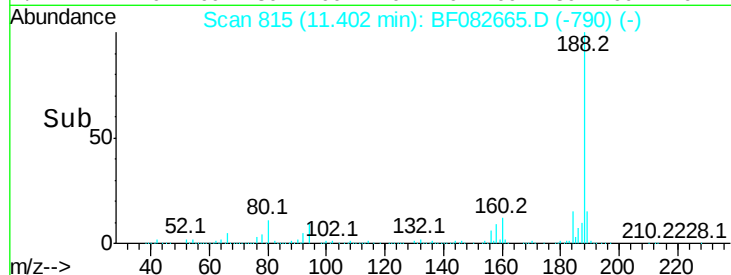
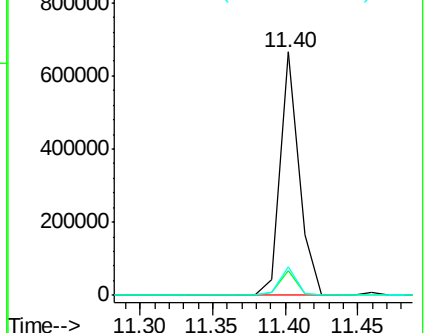
80 11.8 7.0 10.6#



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: BF082665.D

Acq: 3 Nov 2015 17:23

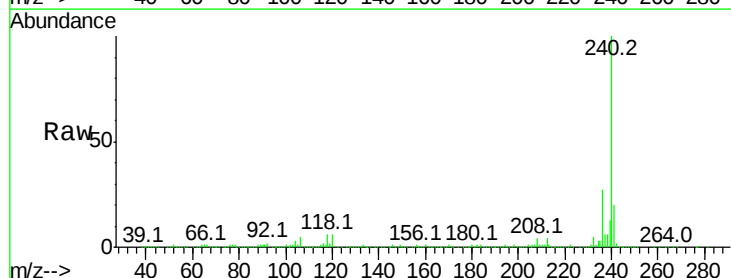
Tgt Ion:240 Resp: 532784

Ion Ratio Lower Upper

240 100

120 6.2 10.9 16.3#

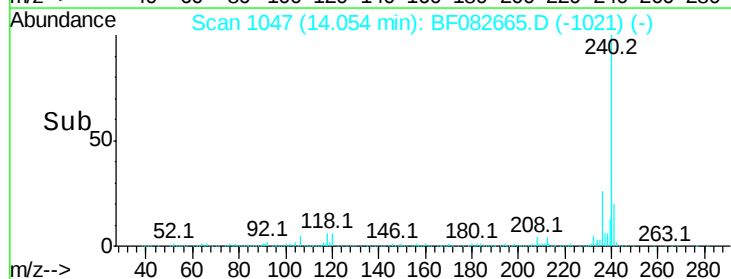
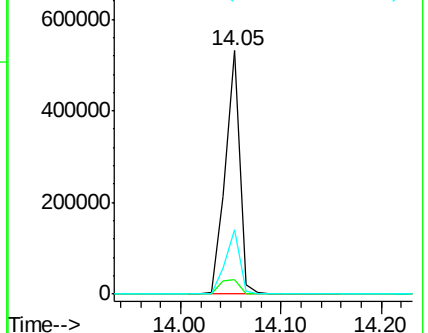
236 26.5 21.6 32.4

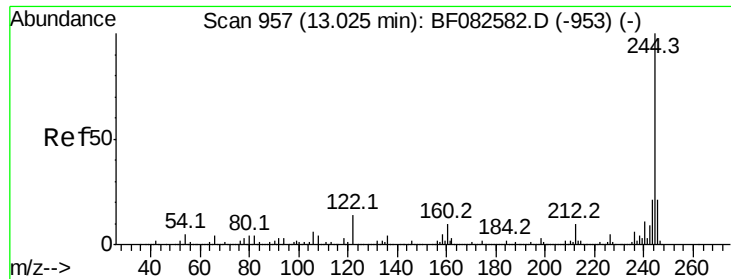


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 87.44 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-004

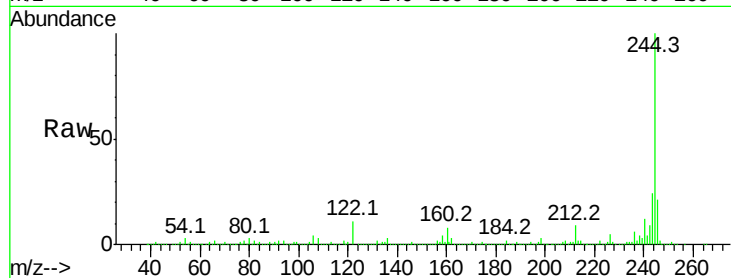
Tot Ion:244 Resp: 2128829

Ion Ratio Lower Upper

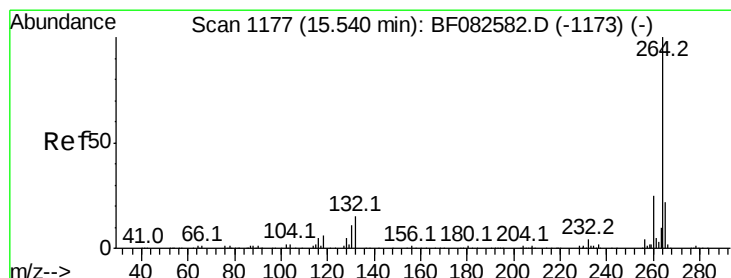
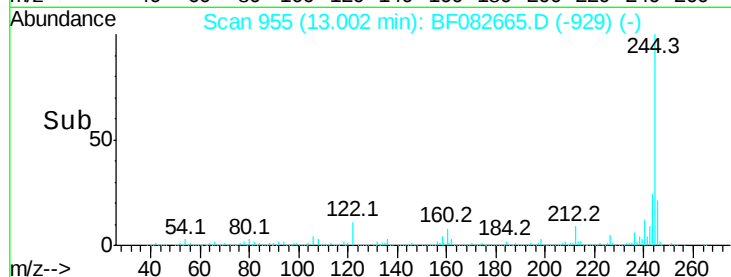
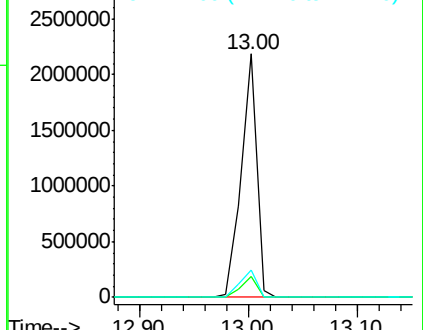
244 100

212 8.8 7.6 11.4

122 11.0 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

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BF082665.D

Acq: 3 Nov 2015 17:23

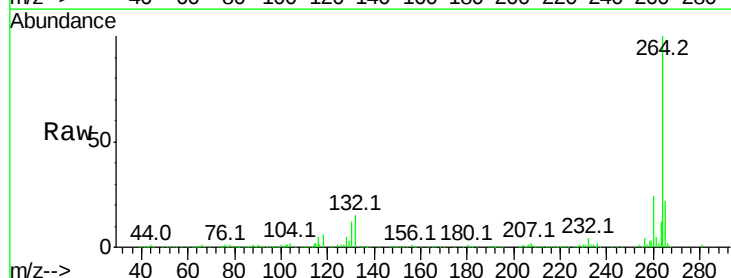
Tgt Ion:264 Resp: 351168

Ion Ratio Lower Upper

264 100

260 24.2 19.8 29.6

265 22.0 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

