

Data Path : Z:\HPCHEM1\BNA_F\Data\BF091615\
 Data File : BF081669.D
 Acq On : 17 Sep 2015 6:40
 Operator : UM/IZ
 Sample : G3670-01RE
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

Quant Time: Sep 17 07:27:35 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

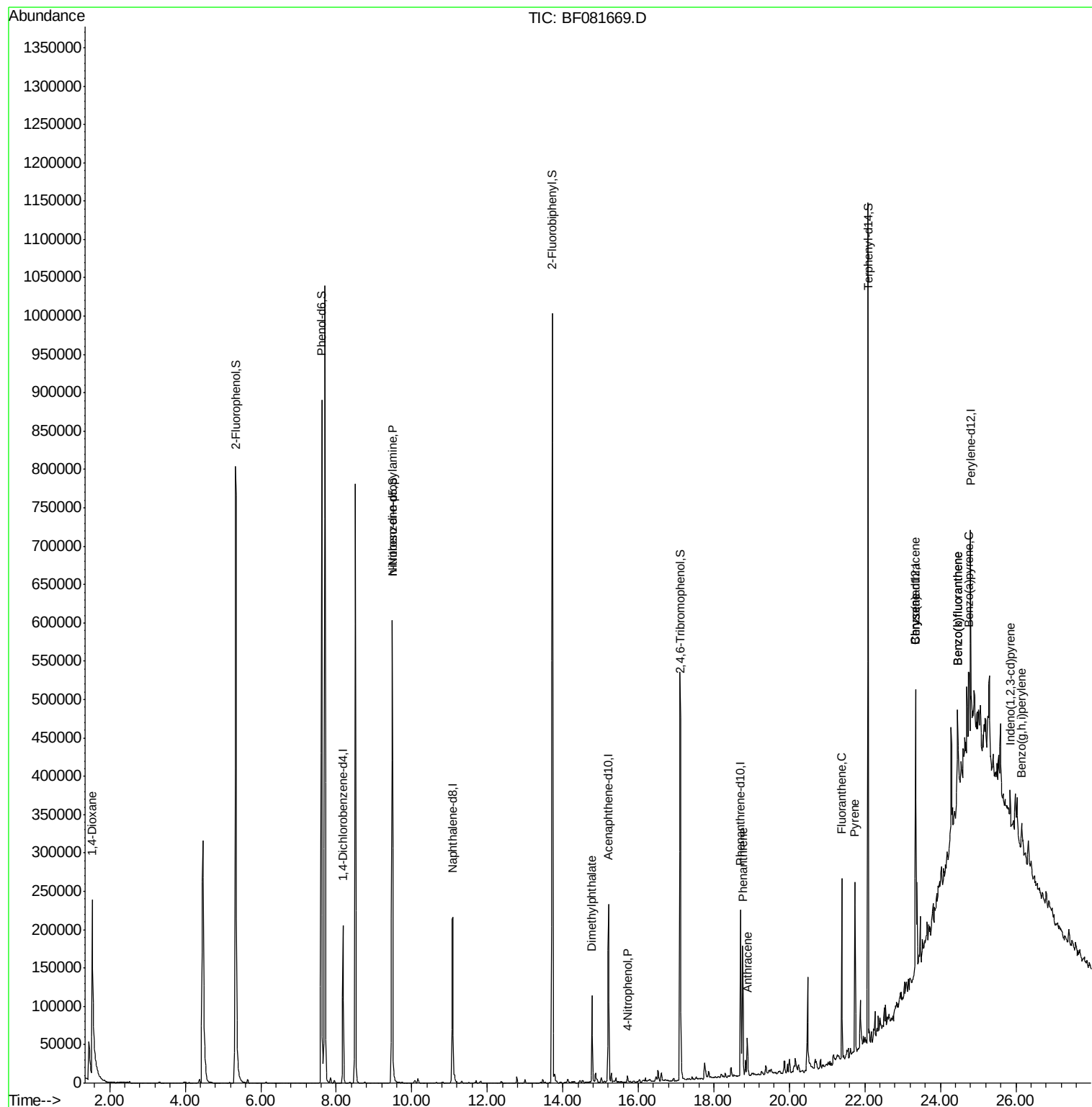
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	48979	20.00	ng	-0.03
21) Naphthalene-d8	11.09	136	190595	20.00	ng	-0.03
38) Acenaphthene-d10	15.21	164	83064	20.00	ng	-0.05
63) Phenanthrene-d10	18.71	188	148363	20.00	ng	-0.05
75) Chrysene-d12	23.35	240	110568	20.00	ng	-0.03
86) Perylene-d12	24.80	264	91180	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	408231	129.32	ng	0.00
7) Phenol-d6	7.61	99	562248	134.55	ng	-0.03
23) Nitrobenzene-d5	9.49	82	374817	94.88	ng	-0.05
41) 2,4,6-Tribromophenol	17.12	330	99416	134.42	ng	-0.05
44) 2-Fluorobiphenyl	13.73	172	617560	95.28	ng	-0.05
78) Terphenyl-d14	22.08	244	401911	84.62	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.53	88	12269	8.65	ng	# 11
19) n-Nitroso-di-n-propylamine	9.49	70	50528	17.77	ng	# 68
49) Dimethylphthalate	14.78	163	76444	11.85	ng	# 97
55) 4-Nitrophenol	15.72	139	3162	3.02	ng	# 25
70) Phenanthrene	18.77	178	112544	13.64	ng	97
71) Anthracene	18.89	178	32243	3.80	ng	96
74) Fluoranthene	21.40	202	136568	15.29	ng	87
77) Pyrene	21.74	202	136920	16.72	ng	98
80) Benzo(a)anthracene	23.35	228	53022	7.53	ng	92
82) Chrysene	23.35	228	53022	8.40	ng	93
85) Indeno(1,2,3-cd)pyrene	25.85	276	22615	4.88	ng	# 79
87) Benzo(b)fluoranthene	24.46	252	69017	10.60	ng	# 89
88) Benzo(k)fluoranthene	24.46	252	69017	12.78	ng	# 89
89) Benzo(a)pyrene	24.74	252	41422	7.51	ng	# 89
91) Benzo(g,h,i)perylene	26.15	276	22095	5.43	ng	# 74

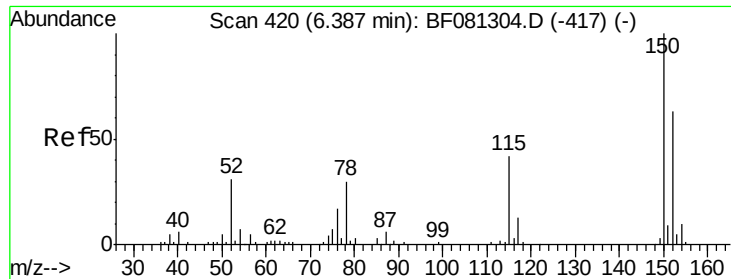
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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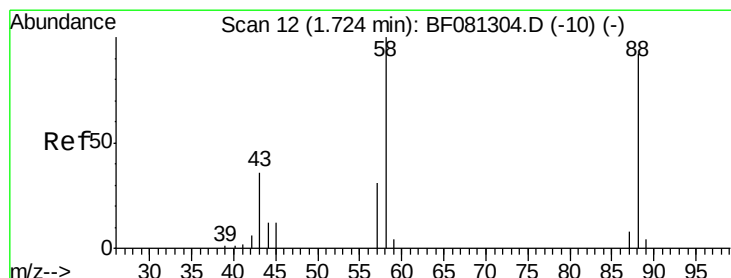
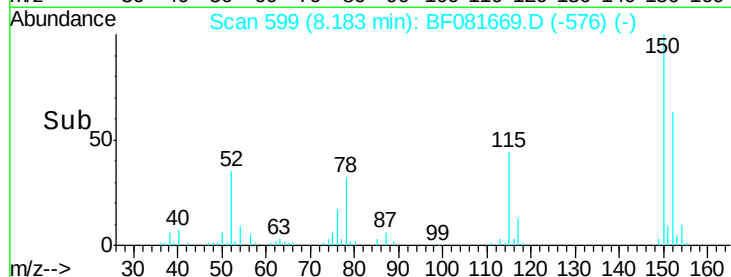
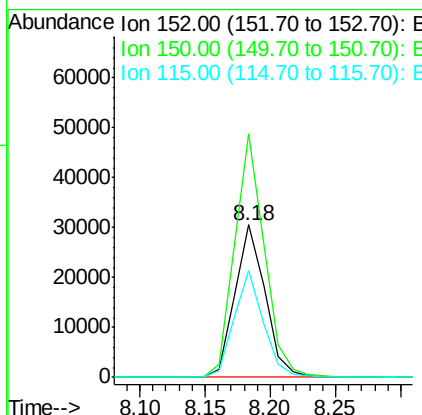
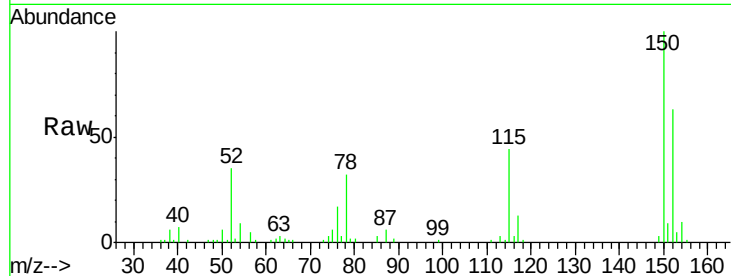




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.18 min Scan# 599
 Delta R.T. -0.03 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

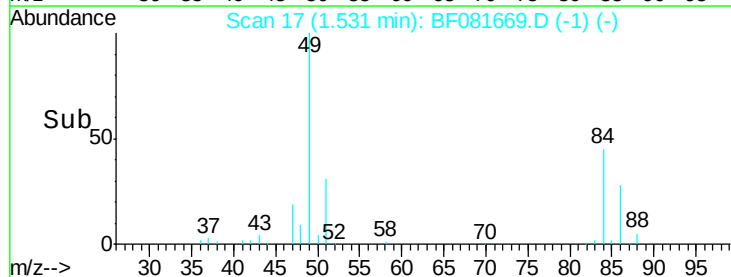
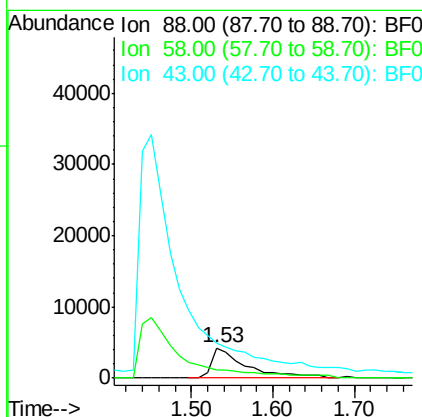
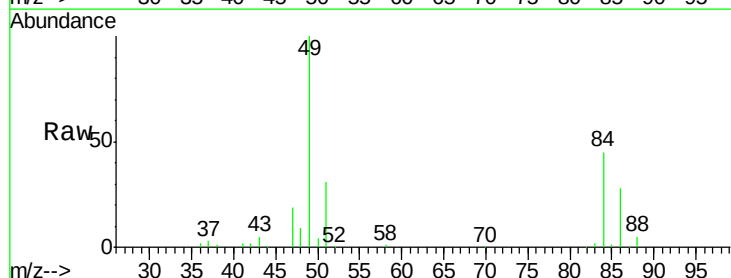
Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

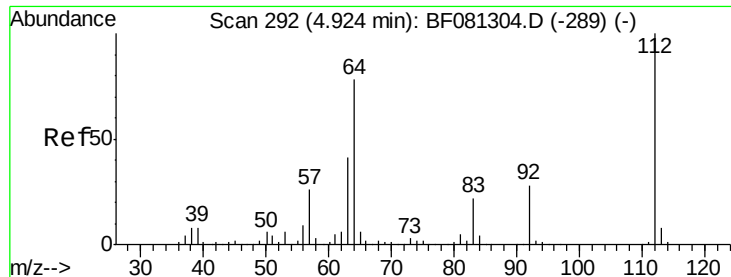
Tgt Ion:152 Resp: 48979
 Ion Ratio Lower Upper
 152 100
 150 159.5 124.7 187.1
 115 70.0 39.0 58.4#



#2
 1,4-Dioxane
 Concen: 8.65 ng
 RT: 1.53 min Scan# 17
 Delta R.T. -0.03 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

Tgt Ion: 88 Resp: 12269
 Ion Ratio Lower Upper
 88 100
 58 0.0 77.7 116.5#
 43 0.0 26.6 40.0#





#5

2-Fluorophenol

Concen: 129.32 ng

RT: 5.35 min Scan# 351

Delta R.T. -0.00 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

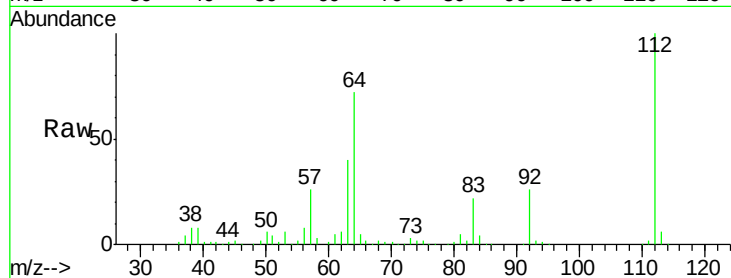
Tgt Ion: 112 Resp: 408231

Ion Ratio Lower Upper

112 100

64 72.1 39.7 59.5#

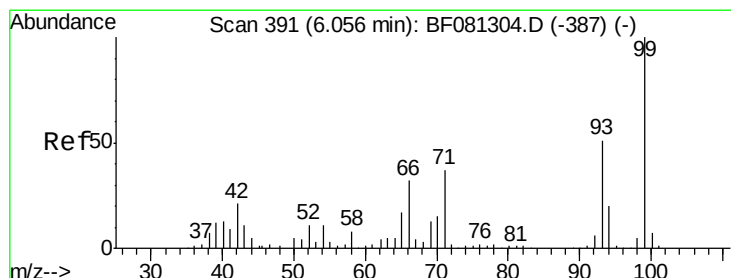
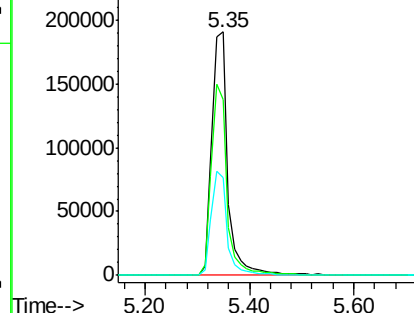
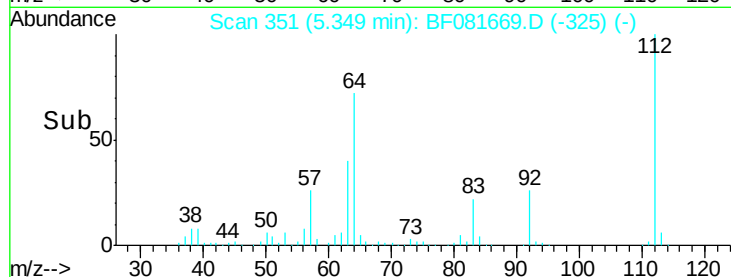
63 40.1 17.4 26.0#



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: 134.55 ng

RT: 7.61 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

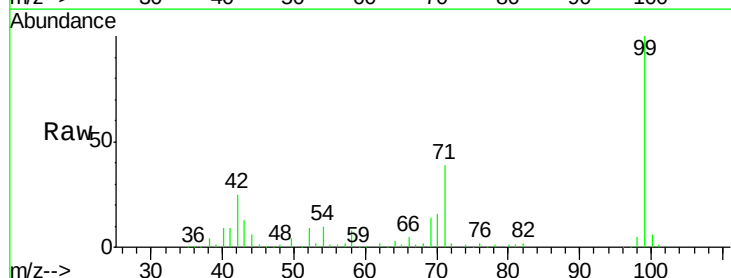
Tgt Ion: 99 Resp: 562248

Ion Ratio Lower Upper

99 100

42 24.6 13.7 20.5#

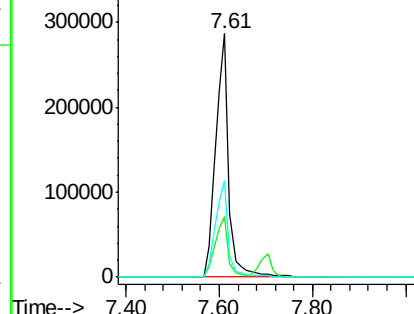
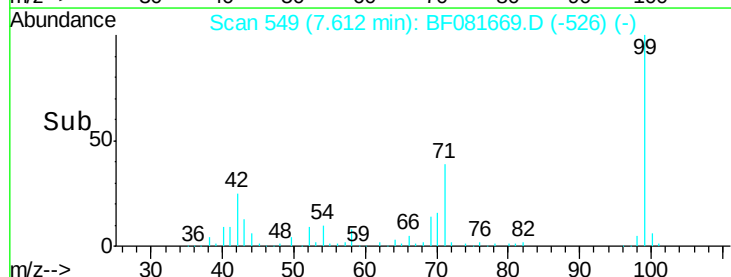
71 39.4 14.2 21.2#

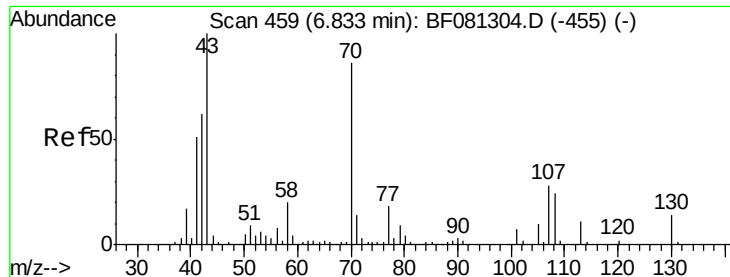


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

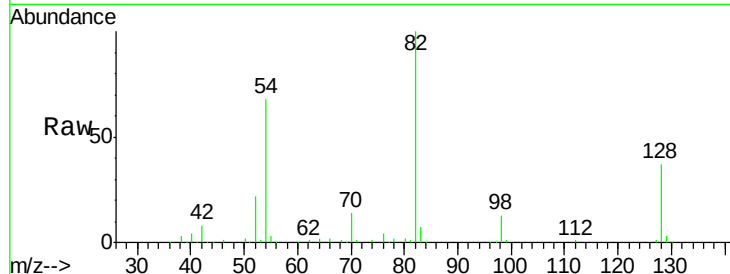




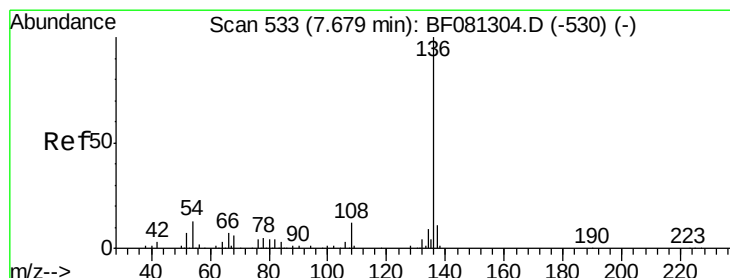
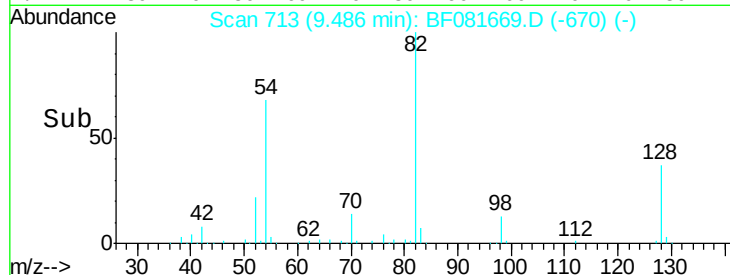
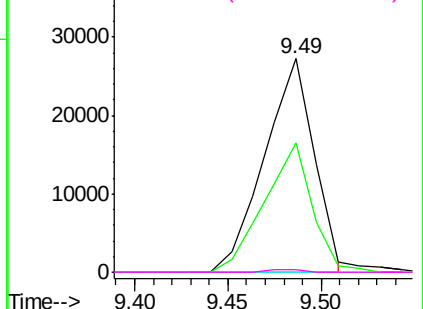
#19
n-Nitroso-di-n-propylamine
Concen: 17.77 ng
RT: 9.49 min Scan# 713
Delta R.T. 0.19 min
Lab File: BF081669.D
Acq: 17 Sep 2015 6:40

Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

Tgt Ion: 70 Resp: 50528
Ion Ratio Lower Upper
70 100
42 60.3 63.8 95.6#
101 0.0 9.2 13.8#
130 1.5 27.3 40.9#



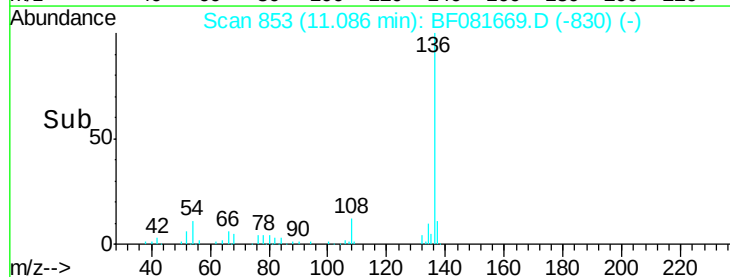
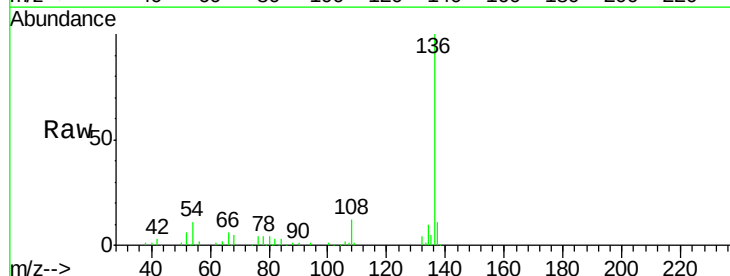
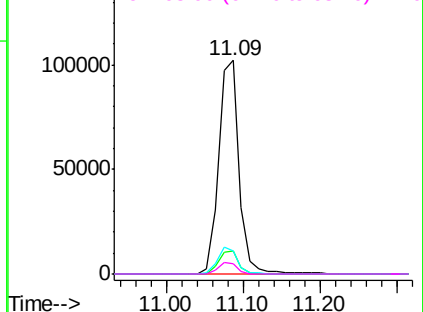
Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

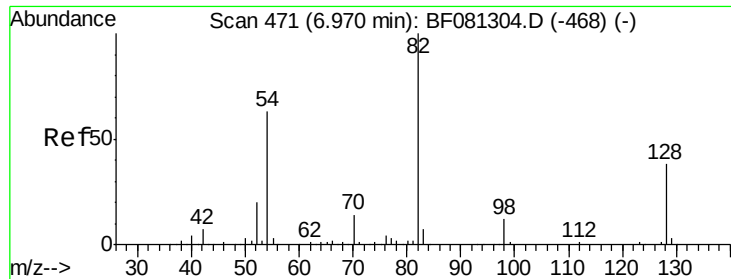


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 853
Delta R.T. -0.03 min
Lab File: BF081669.D
Acq: 17 Sep 2015 6:40

Tgt Ion: 136 Resp: 190595
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 10.5 8.2 12.2
68 4.8 5.8 8.6#

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

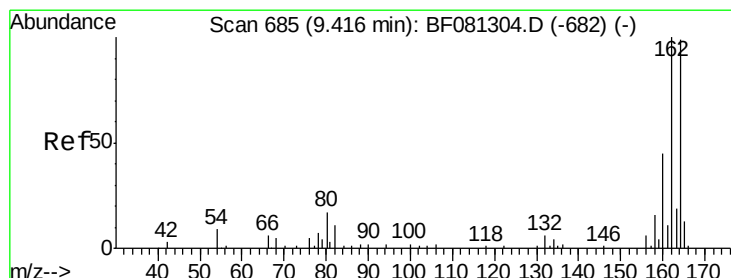
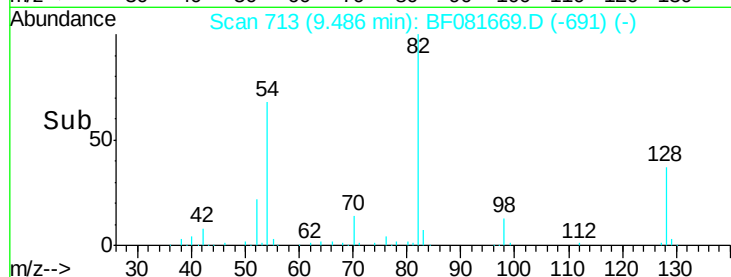
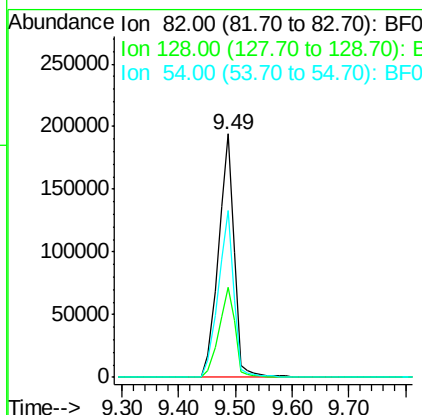
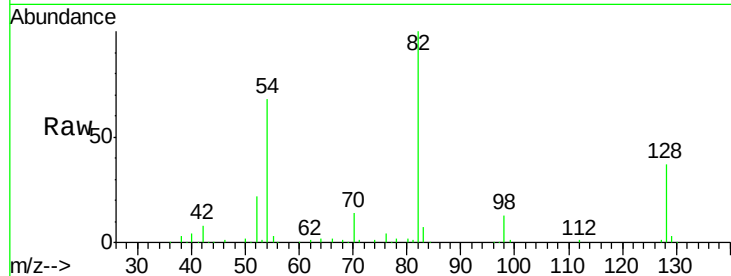




#23
 Nitrobenzene-d5
 Concen: 94.88 ng
 RT: 9.49 min Scan# 713
 Delta R.T. -0.05 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

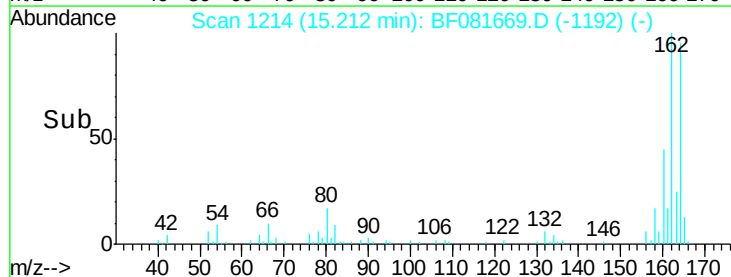
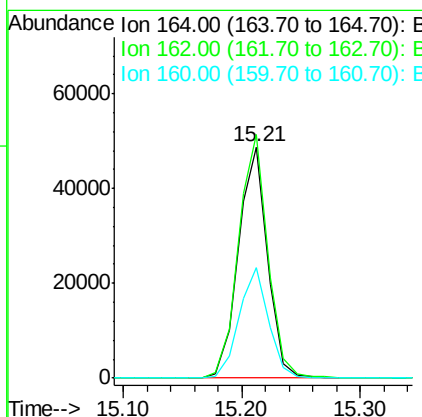
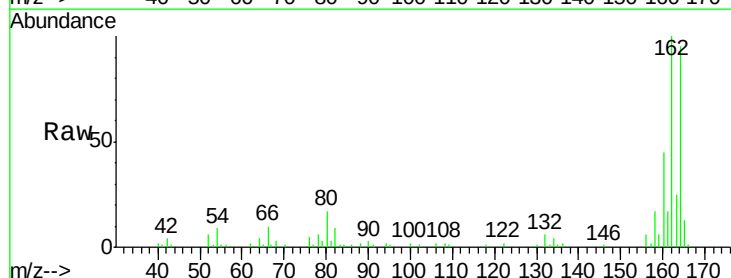
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 WC-9-14-15-SOIL

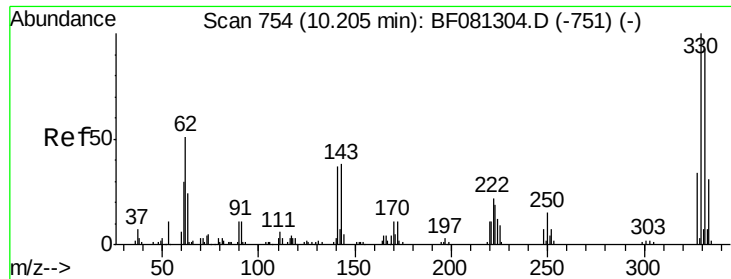
Tgt Ion: 82 Resp: 374817
 Ion Ratio Lower Upper
 82 100
 128 37.2 51.0 76.6#
 54 68.3 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

Tgt Ion: 164 Resp: 83064
 Ion Ratio Lower Upper
 164 100
 162 105.3 75.2 112.8
 160 47.6 31.5 47.3#

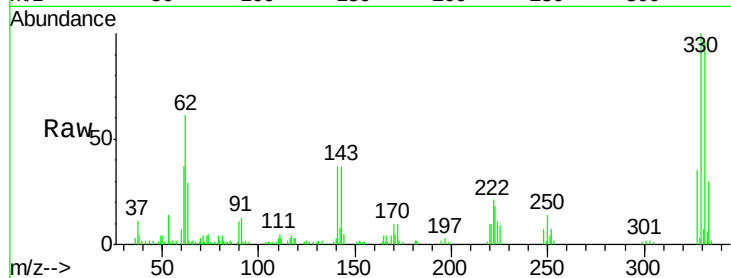




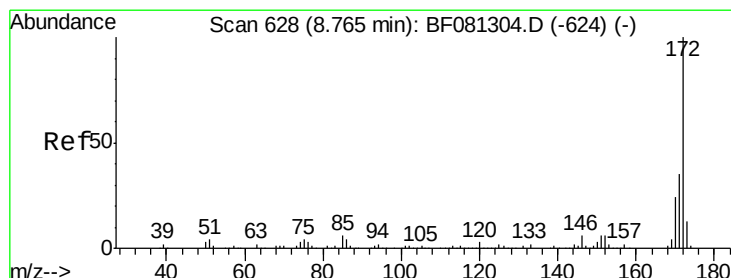
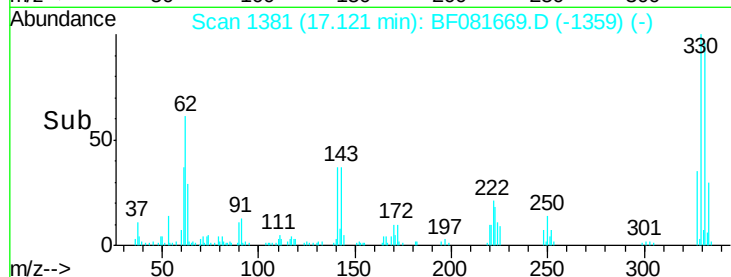
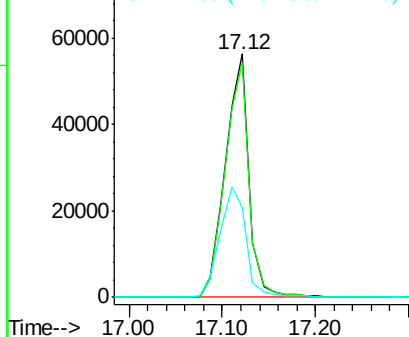
#41
 2,4,6-Tribromophenol
 Concen: 134.42 ng
 RT: 17.12 min Scan# 1381
 Delta R.T. -0.05 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

Tgt Ion:330 Resp: 99416
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 114.8
 141 50.3 29.7 44.5#

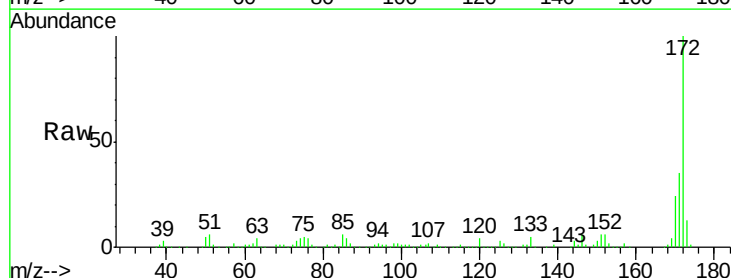


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

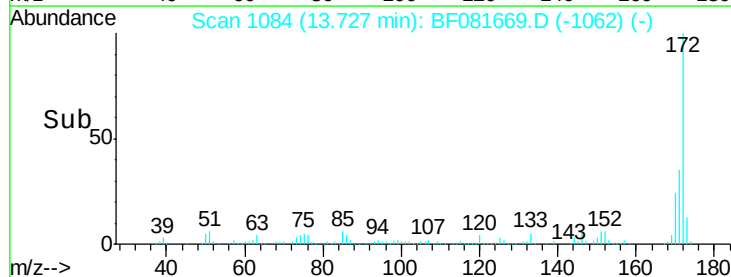
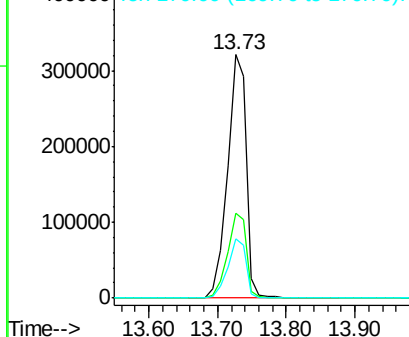


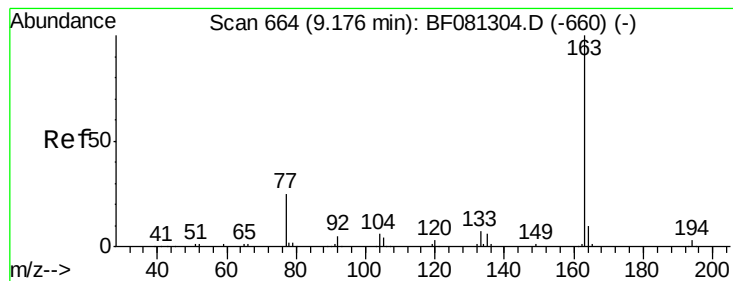
#44
 2-Fluorobiphenyl
 Concen: 95.28 ng
 RT: 13.73 min Scan# 1084
 Delta R.T. -0.05 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

Tgt Ion:172 Resp: 617560
 Ion Ratio Lower Upper
 172 100
 171 35.0 26.1 39.1
 170 24.4 17.4 26.2



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: 11.85 ng

RT: 14.78 min Scan# 1176

Delta R.T. -0.08 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

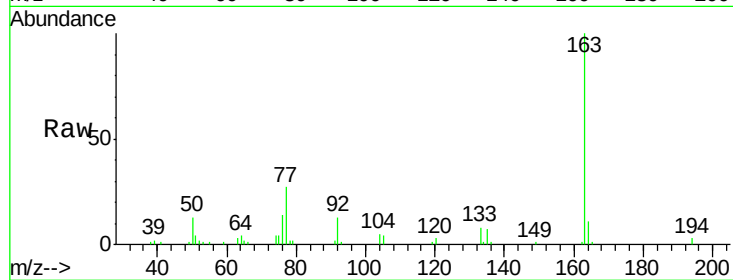
Tgt Ion:163 Resp: 76444

Ion Ratio Lower Upper

163 100

194 3.3 4.4 6.6#

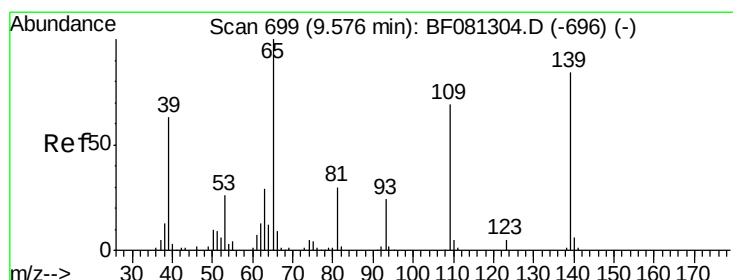
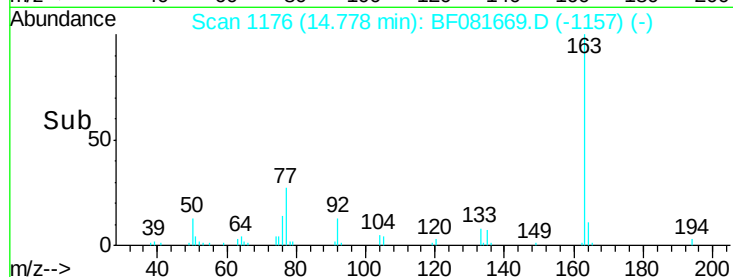
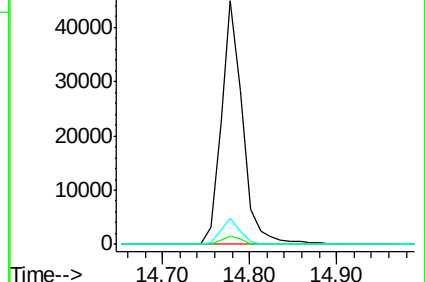
164 10.6 8.3 12.5



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



#55

4-Nitrophenol

Concen: 3.02 ng

RT: 15.72 min Scan# 1258

Delta R.T. -0.21 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

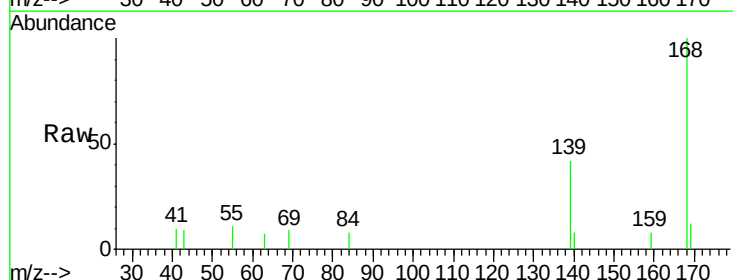
Tgt Ion:139 Resp: 3162

Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

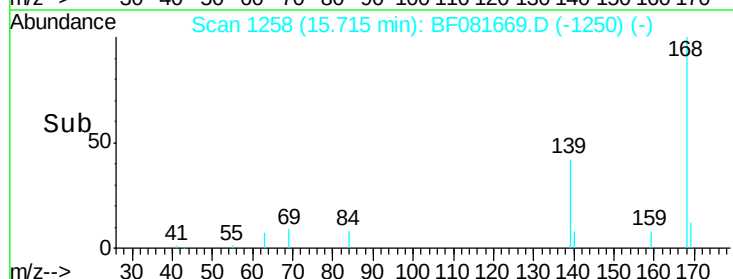
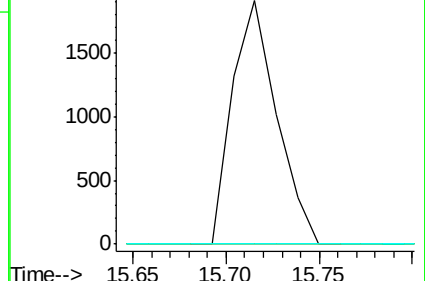
65 0.0 45.9 85.9#

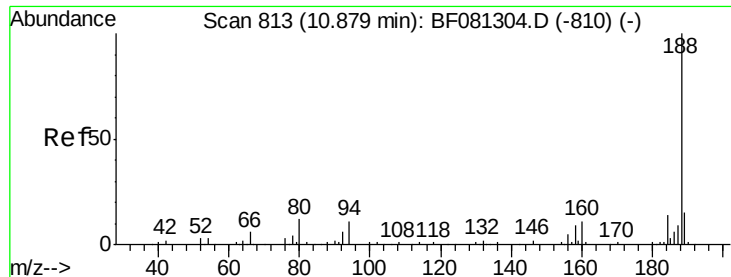


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

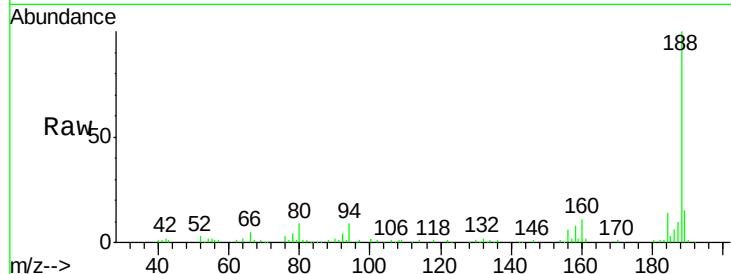




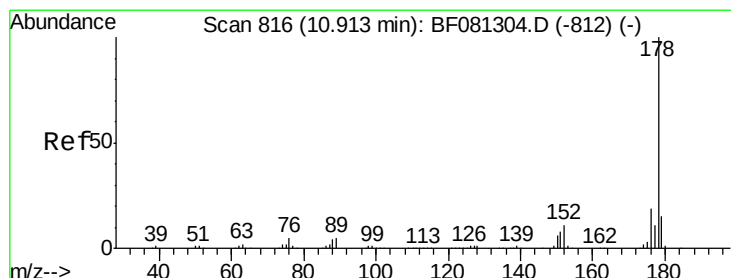
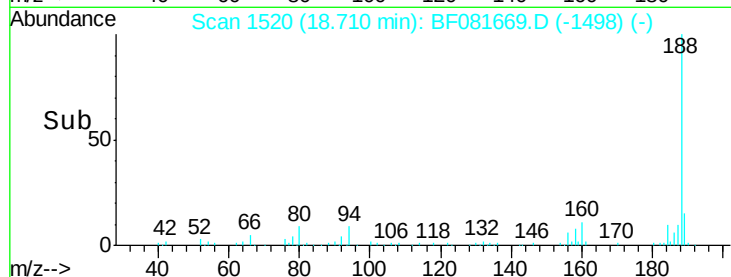
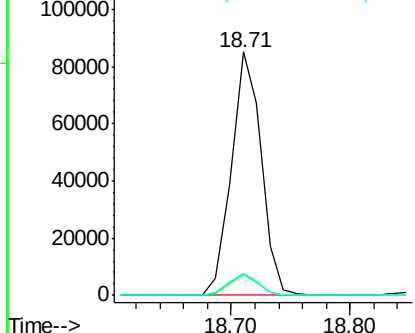
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.71 min Scan# 1520
Delta R.T. -0.05 min
Lab File: BF081669.D
Acq: 17 Sep 2015 6:40

Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

Tgt Ion:188 Resp: 148363
Ion Ratio Lower Upper
188 100
94 8.7 11.1 16.7#
80 9.1 11.0 16.4#

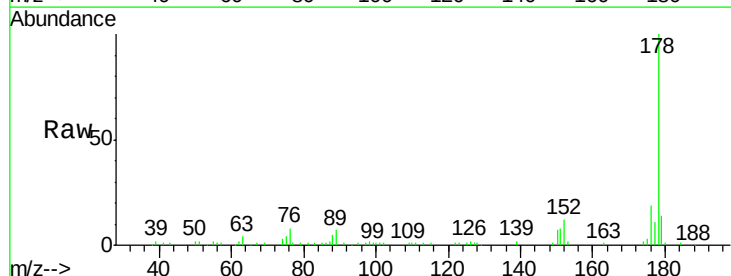


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

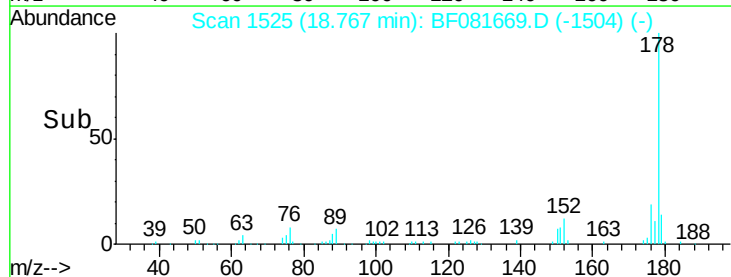
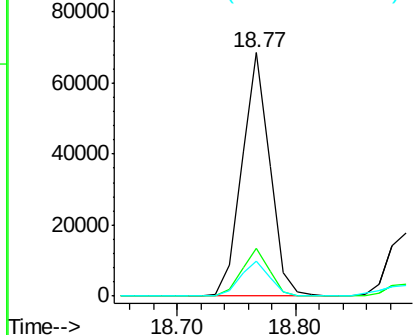


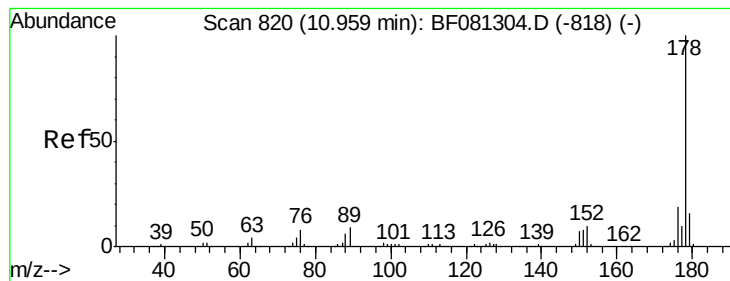
#70
Phenanthrene
Concen: 13.64 ng
RT: 18.77 min Scan# 1525
Delta R.T. -0.06 min
Lab File: BF081669.D
Acq: 17 Sep 2015 6:40

Tgt Ion:178 Resp: 112544
Ion Ratio Lower Upper
178 100
176 19.4 13.8 20.8
179 14.4 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.80 ng

RT: 18.89 min Scan# 1536

Delta R.T. -0.06 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

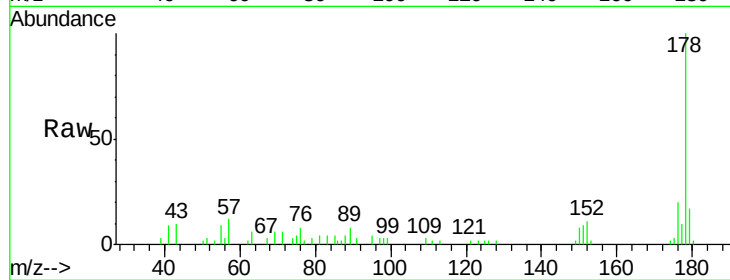
Tgt Ion:178 Resp: 32243

Ion Ratio Lower Upper

178 100

176 19.5 14.1 21.1

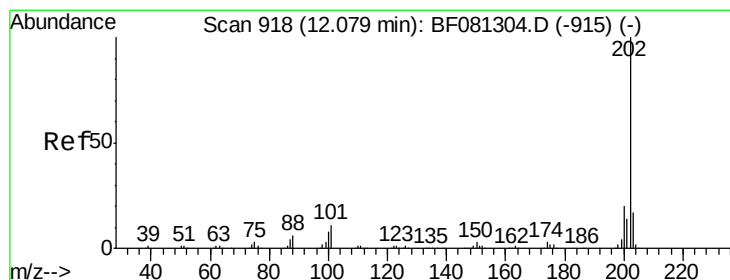
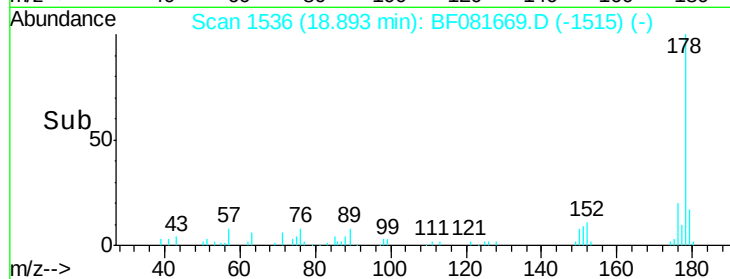
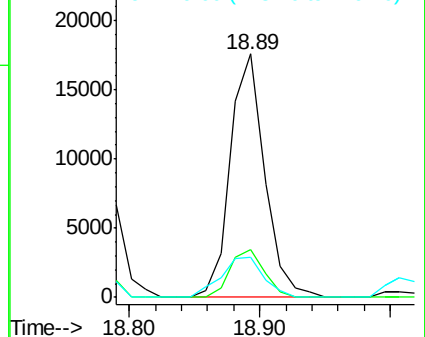
179 16.5 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 15.29 ng

RT: 21.40 min Scan# 1755

Delta R.T. -0.03 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

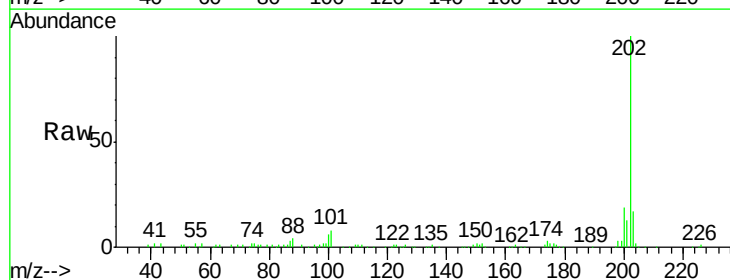
Tgt Ion:202 Resp: 136568

Ion Ratio Lower Upper

202 100

101 7.5 0.0 38.3

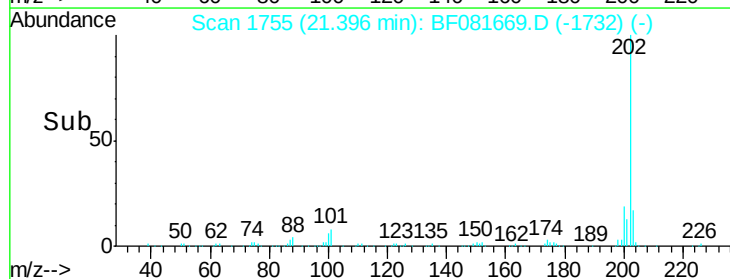
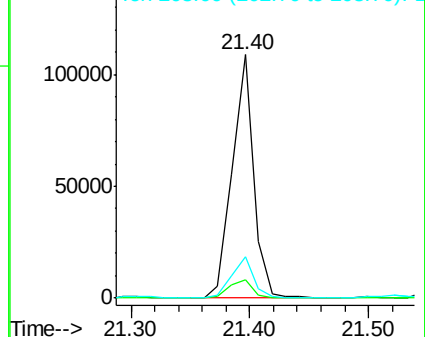
203 16.9 0.0 37.3

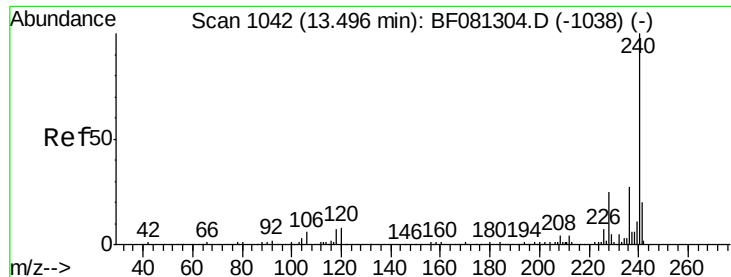


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.35 min Scan# 1926

Delta R.T. -0.03 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

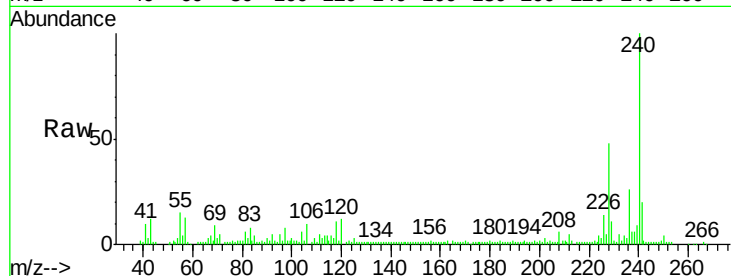
Tgt Ion:240 Resp: 110568

Ion Ratio Lower Upper

240 100

120 11.9 16.2 24.2#

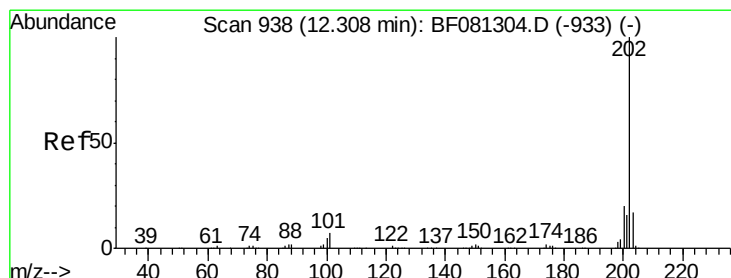
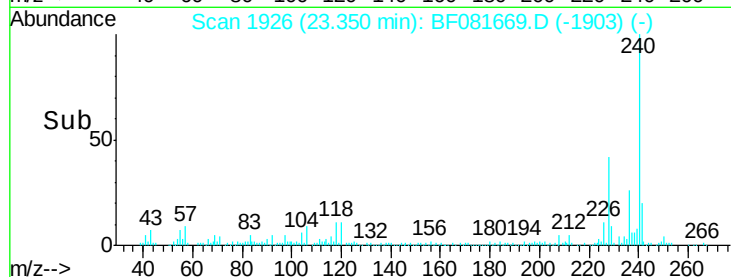
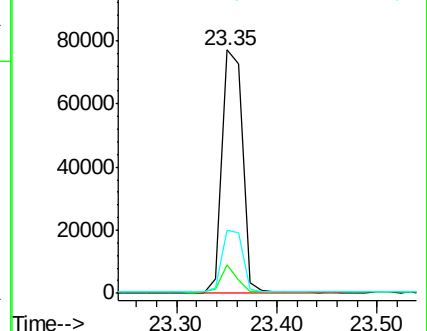
236 26.0 18.4 27.6



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



#77

Pyrene

Concen: 16.72 ng

RT: 21.74 min Scan# 1785

Delta R.T. -0.05 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

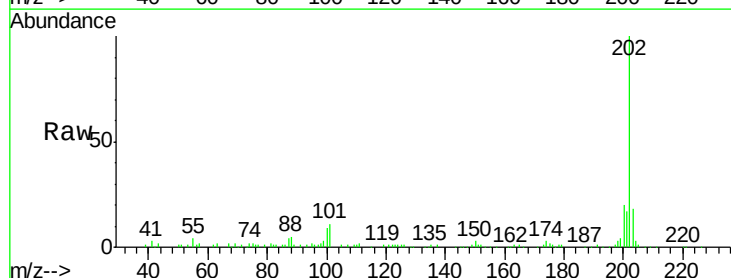
Tgt Ion:202 Resp: 136920

Ion Ratio Lower Upper

202 100

200 20.1 15.0 22.4

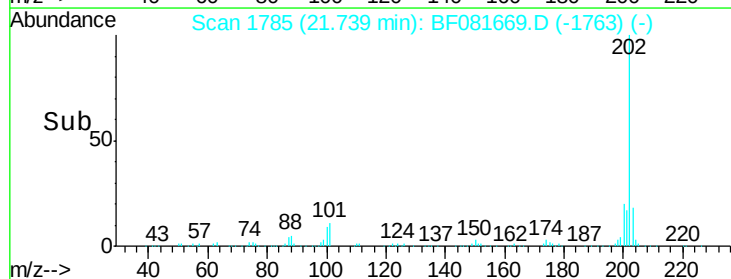
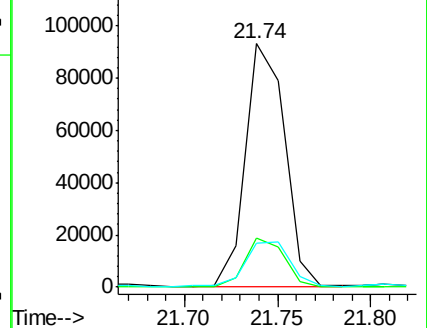
203 18.2 14.1 21.1

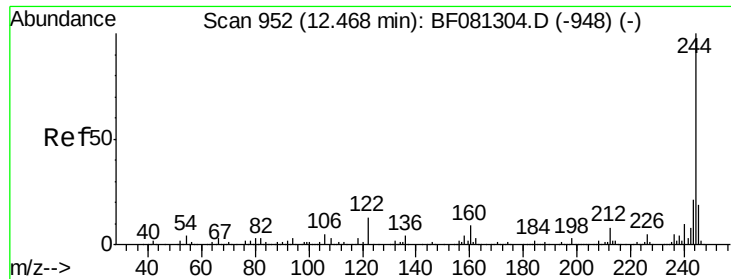


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.62 ng

RT: 22.08 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

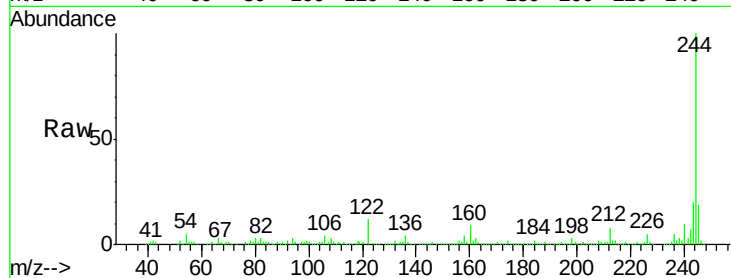
Tgt Ion:244 Resp: 401911

Ion Ratio Lower Upper

244 100

212 8.3 4.3 6.5#

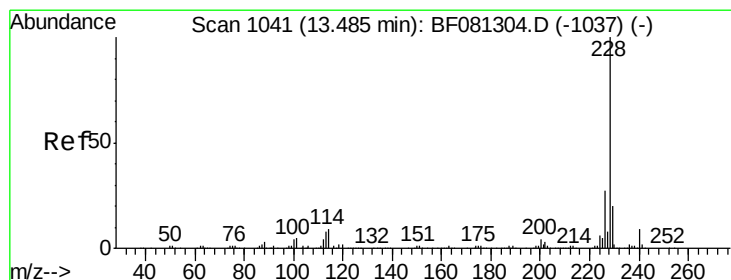
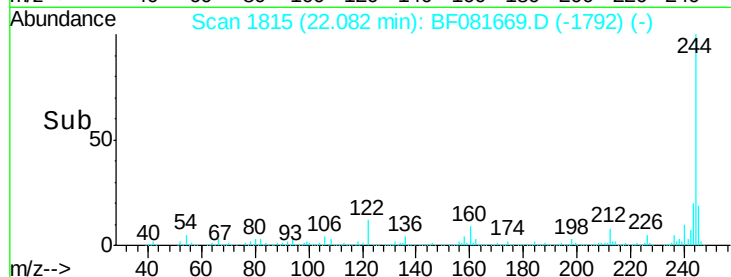
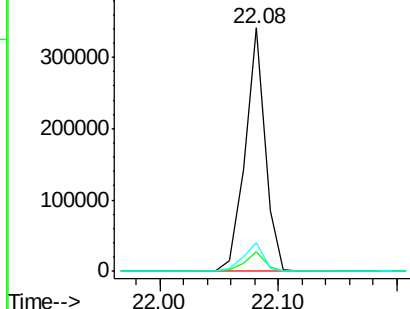
122 11.8 17.4 26.2#



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



#80

Benzo(a)anthracene

Concen: 7.53 ng

RT: 23.35 min Scan# 1926

Delta R.T. -0.02 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

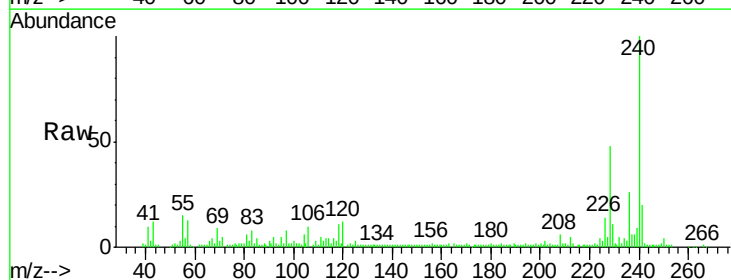
Tgt Ion:228 Resp: 53022

Ion Ratio Lower Upper

228 100

226 29.8 20.0 30.0

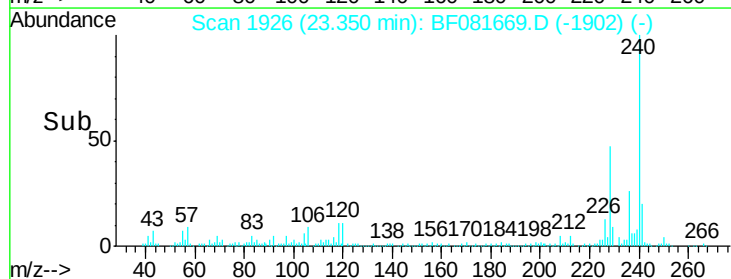
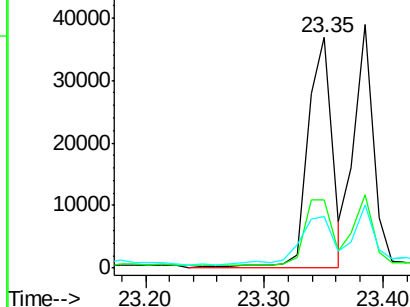
229 22.2 15.4 23.2

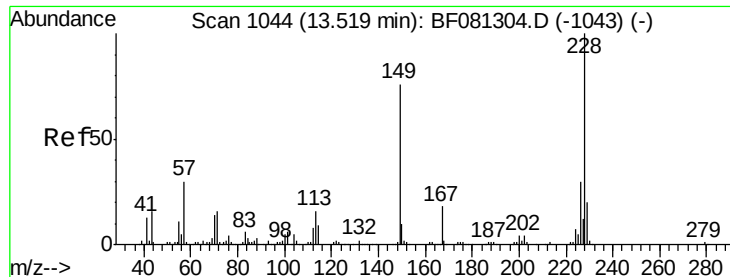


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.40 ng

RT: 23.35 min Scan# 1926

Delta R.T. -0.07 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

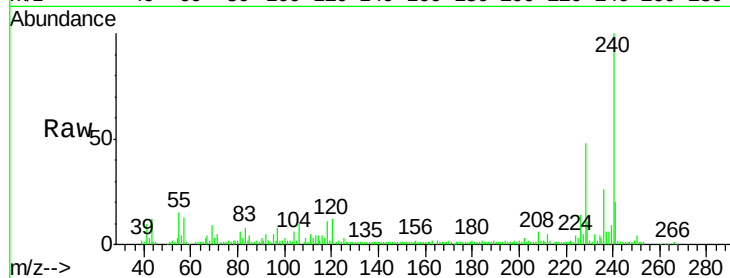
Tgt Ion: 228 Resp: 53022

Ion Ratio Lower Upper

228 100

226 29.8 21.0 31.4

229 22.2 15.6 23.4

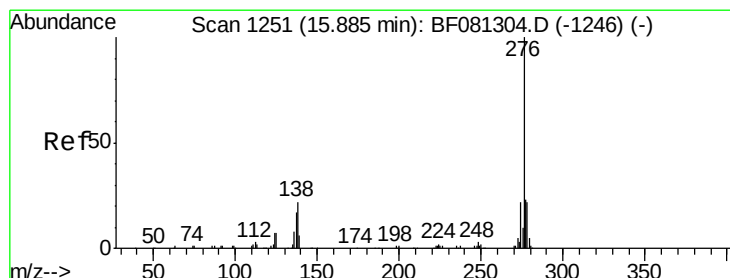
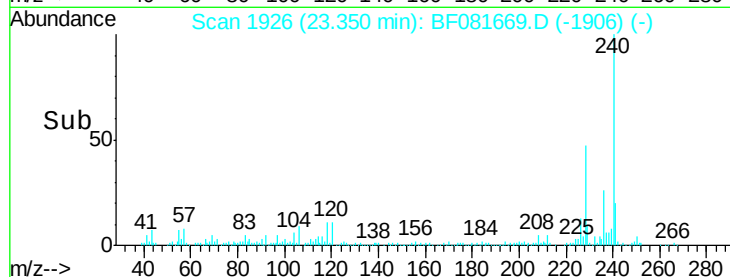
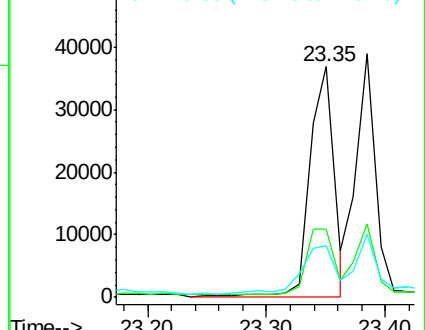


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.88 ng

RT: 25.85 min Scan# 2145

Delta R.T. -0.02 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

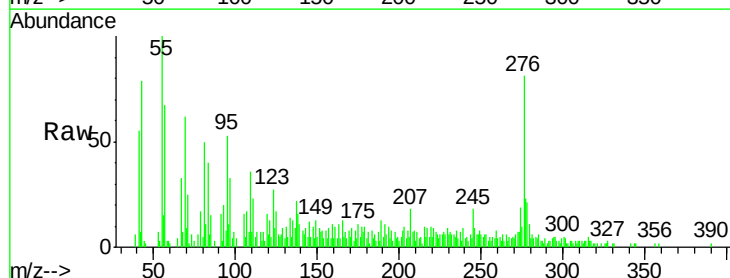
Tgt Ion: 276 Resp: 22615

Ion Ratio Lower Upper

276 100

138 18.5 25.7 38.5#

277 26.5 15.6 23.4#

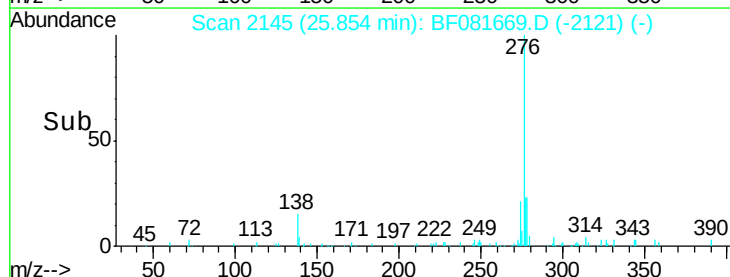
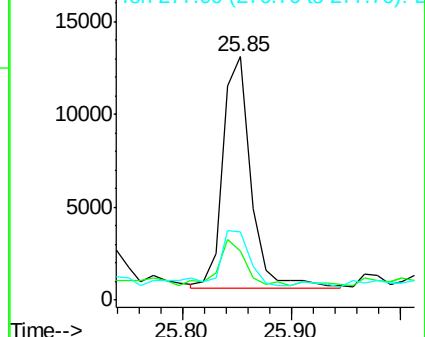


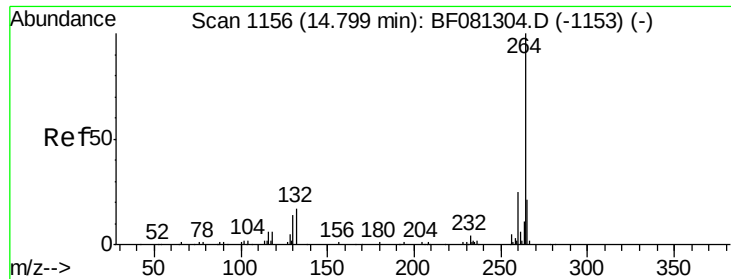
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

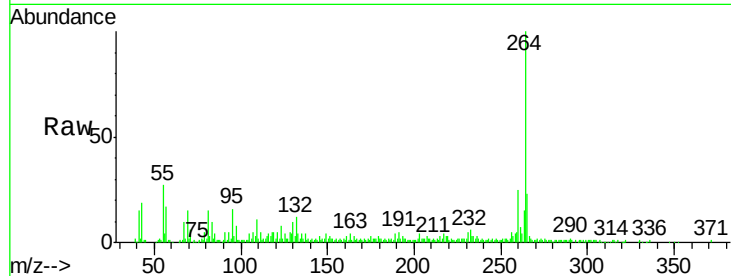




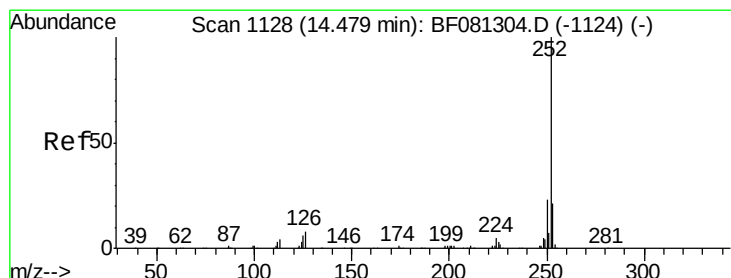
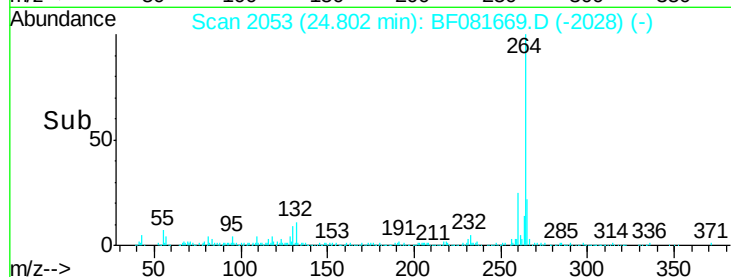
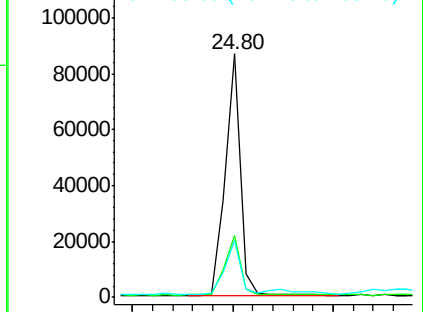
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.80 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF081669.D
Acq: 17 Sep 2015 6:40

Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

Tgt Ion:264 Resp: 91180
Ion Ratio Lower Upper
264 100
260 25.4 16.7 25.1#
265 23.3 17.2 25.8

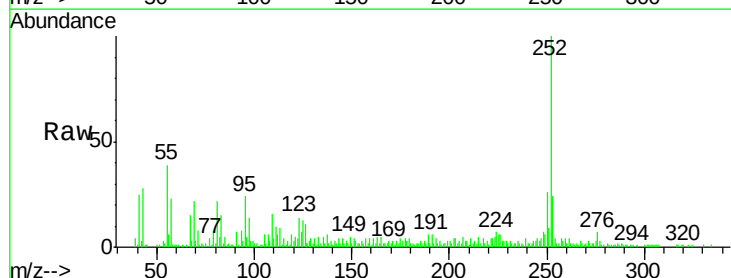


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

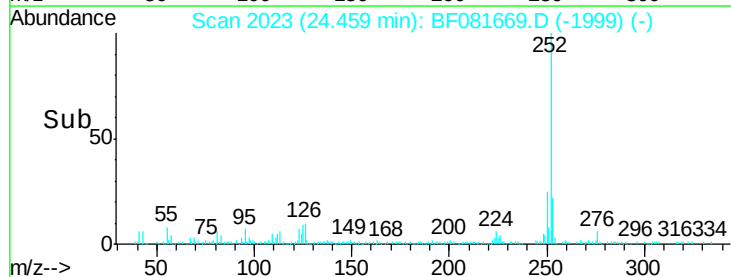
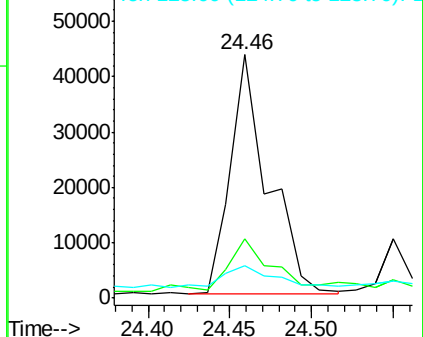


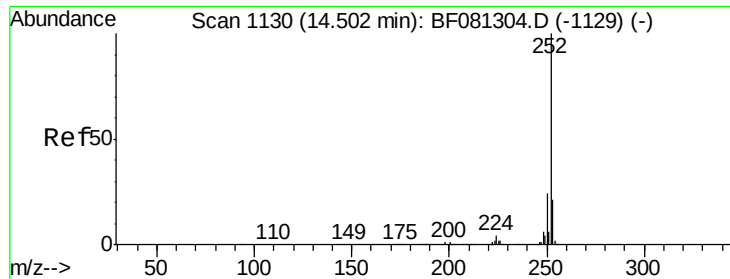
#87
Benzo(b)fluoranthene
Concen: 10.60 ng
RT: 24.46 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF081669.D
Acq: 17 Sep 2015 6:40

Tgt Ion:252 Resp: 69017
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 13.2 17.1 25.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 12.78 ng

RT: 24.46 min Scan# 2023

Delta R.T. -0.05 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

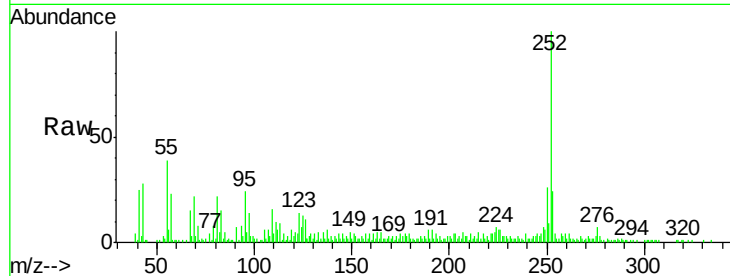
Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

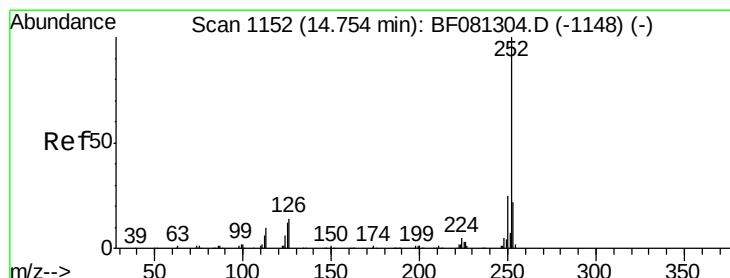
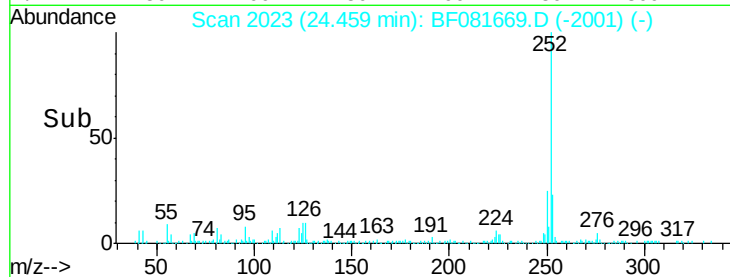
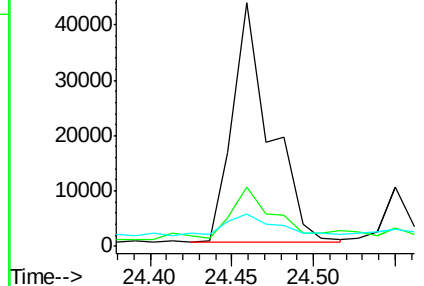
Tgt Ion:	252	Resp:	69017
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.0	25.4
125	13.2	16.0	24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 7.51 ng

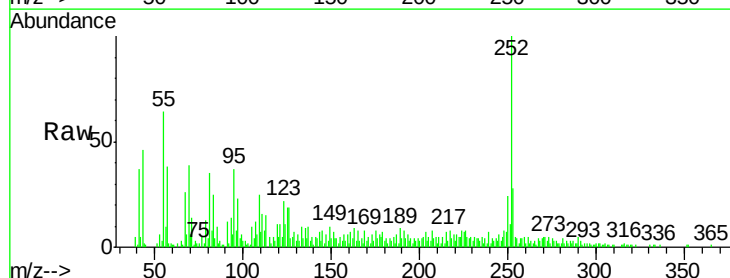
RT: 24.74 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

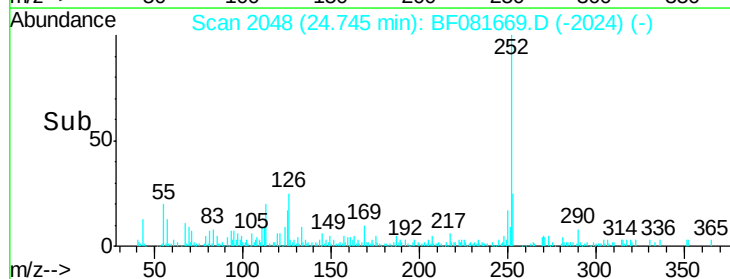
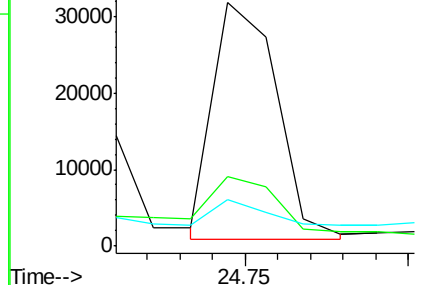
Tgt Ion:	252	Resp:	41422
Ion Ratio	Lower	Upper	
252	100		
253	28.5	17.2	25.8#
125	19.1	18.0	27.0

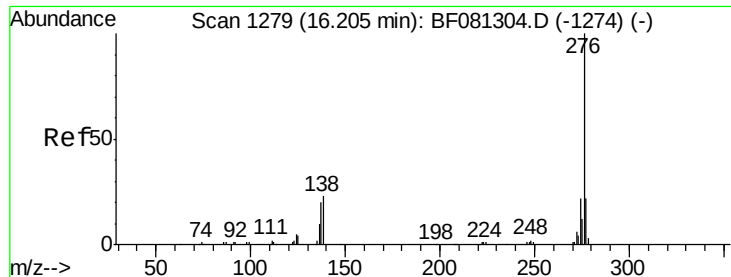


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 5.43 ng
 RT: 26.15 min Scan# 2171
 Delta R.T. -0.02 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.6	17.8	26.6
138	24.1	34.6	51.8

