

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

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

Quant Time: Sep 17 07:55:14 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

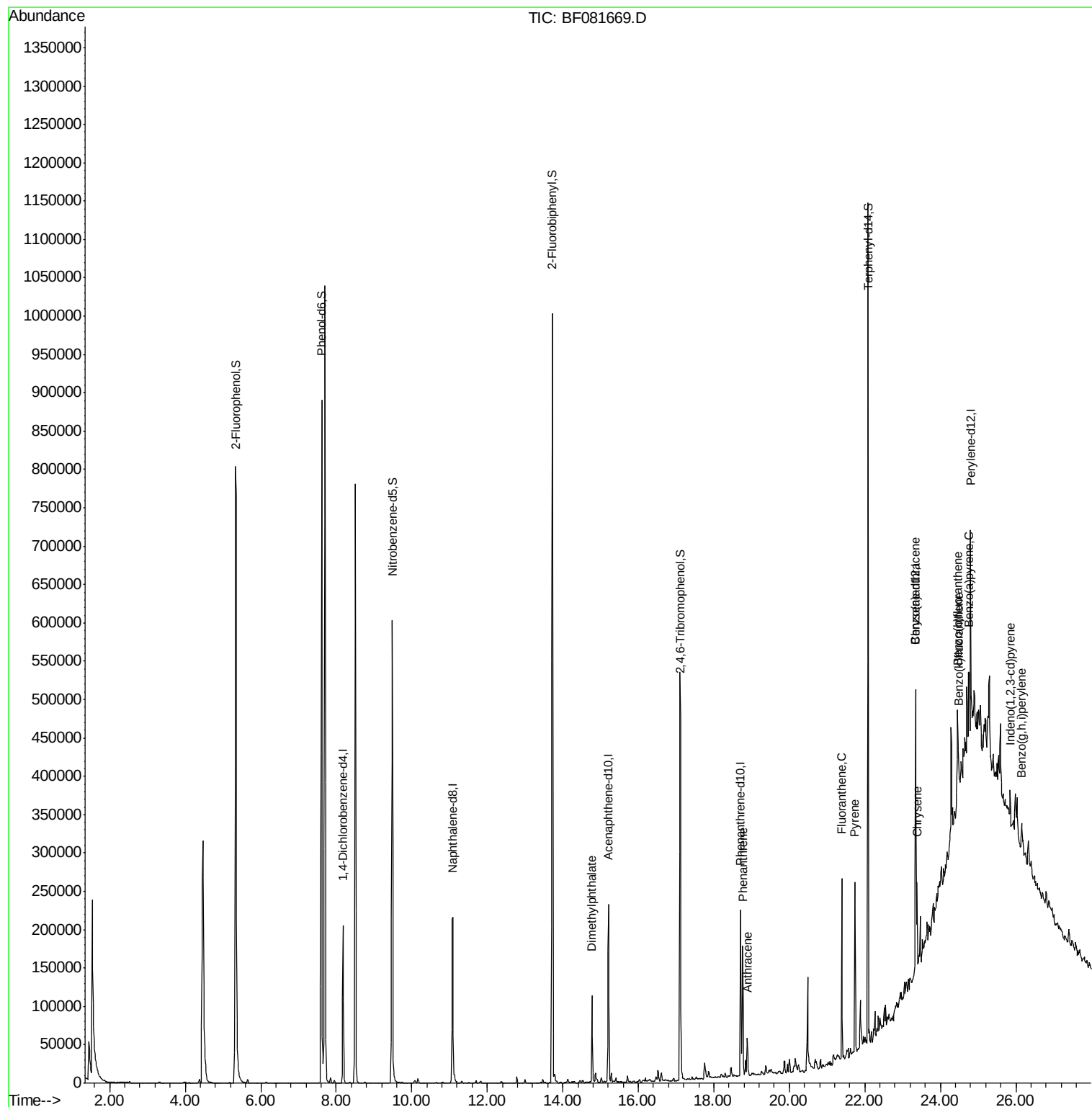
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	48979	20.00	ng	-0.03
21) Naphthalene-d8	11.09	136	190595	20.00	ng	-0.03
38) Acenaphthene-d10	15.21	164	83064	20.00	ng	-0.05
63) Phenanthrene-d10	18.71	188	148363	20.00	ng	-0.05
75) Chrysene-d12	23.35	240	110568	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						Qvalue
49) Dimethylphthalate	14.78	163	76444	11.85	ng	# 97
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	23.38	228	44652m	7.07	ng	
85) Indeno(1,2,3-cd)pyrene	25.85	276	22615	4.88	ng	# 79
87) Benzo(b)fluoranthene	24.46	252	52969m	8.14	ng	
88) Benzo(k)fluoranthene	24.48	252	15837m	2.93	ng	
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

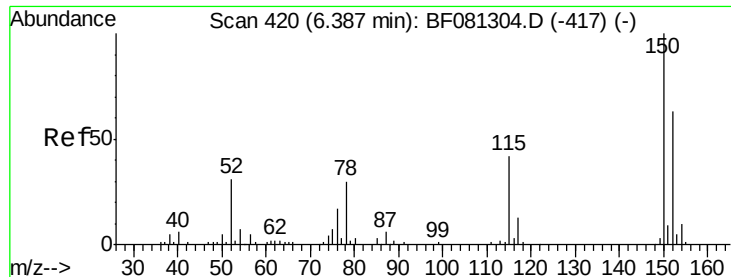
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
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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

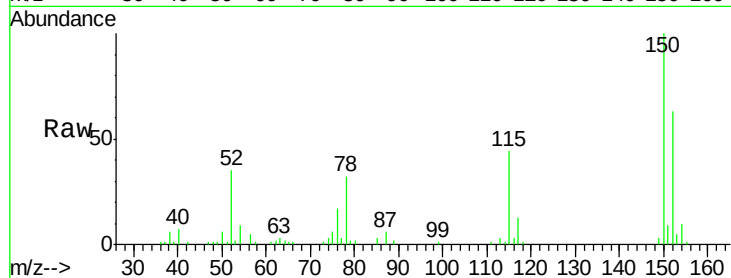
Tgt Ion:152 Resp: 48979

Ion Ratio Lower Upper

152 100

150 159.5 124.7 187.1

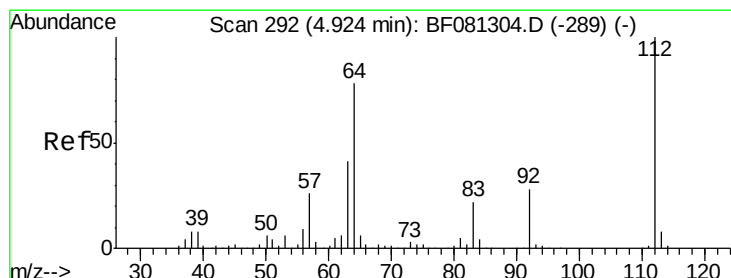
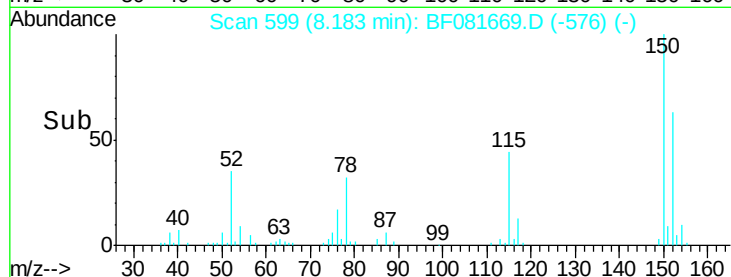
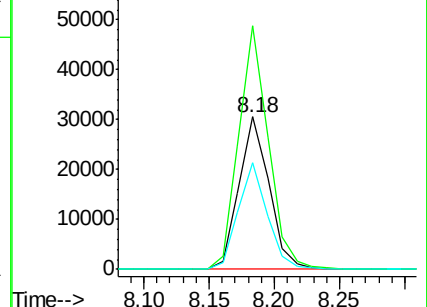
115 70.0 39.0 58.4#



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: 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

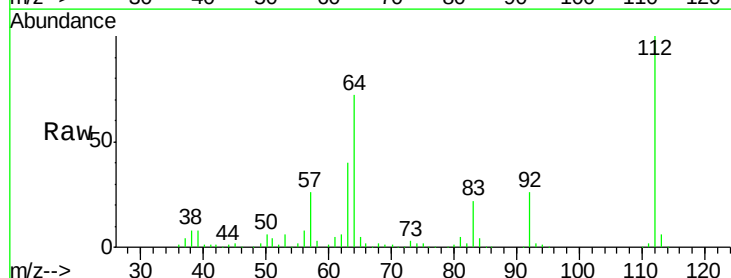
Tgt Ion:112 Resp: 408231

Ion Ratio Lower Upper

112 100

64 72.1 39.7 59.5#

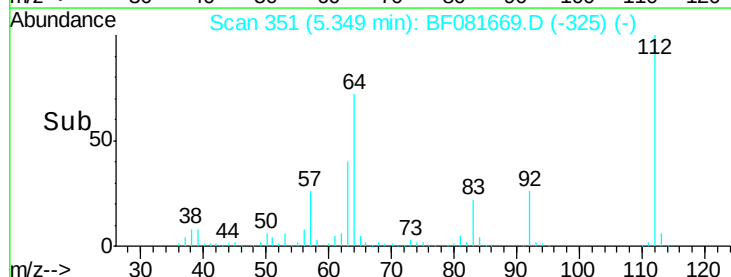
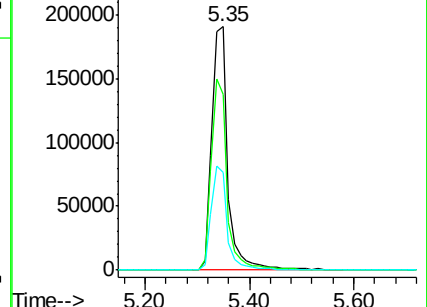
63 40.1 17.4 26.0#

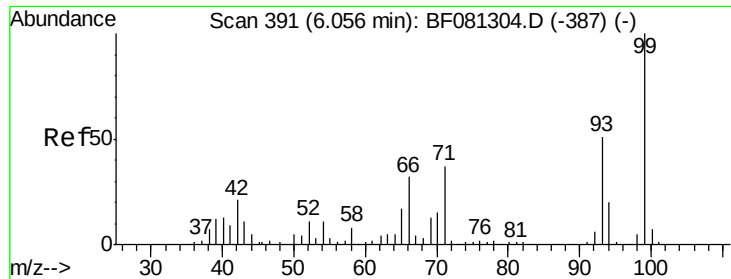


Abundance Ion 112.00 (111.70 to 112.70): E

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

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

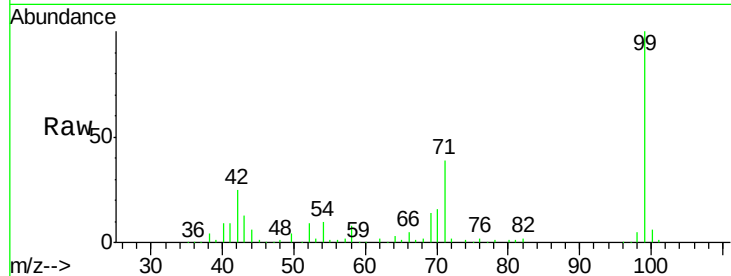
Tgt Ion: 99 Resp: 562248

Ion Ratio Lower Upper

99 100

42 24.6 13.7 20.5#

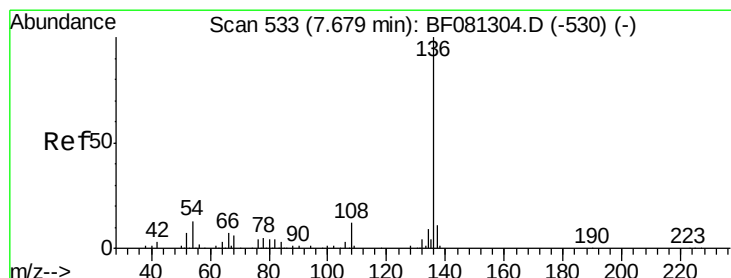
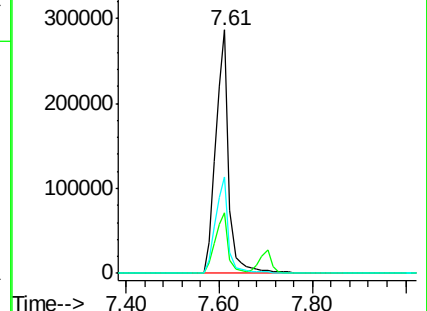
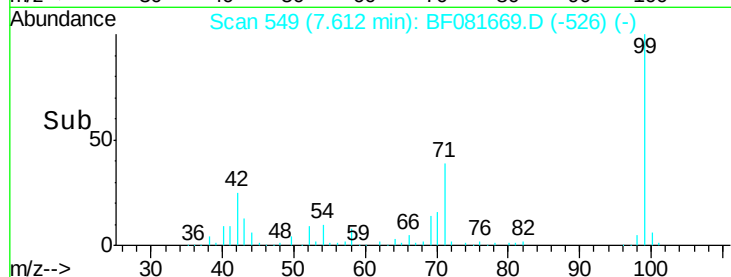
71 39.4 14.2 21.2#



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



#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

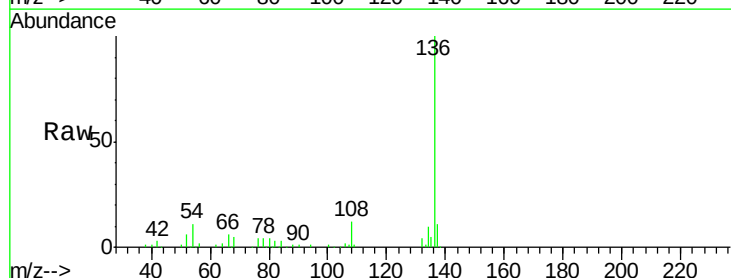
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 10.5 8.2 12.2

68 4.8 5.8 8.6#

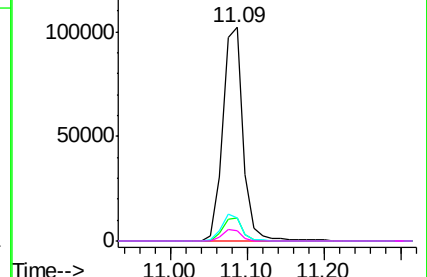
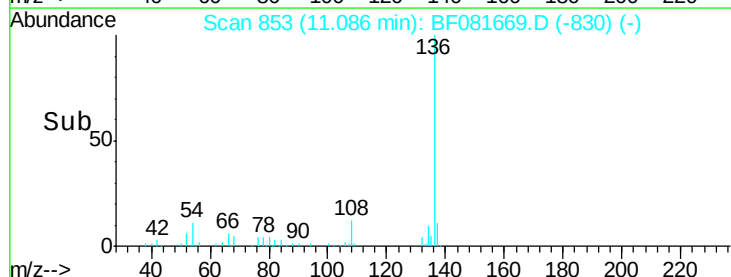


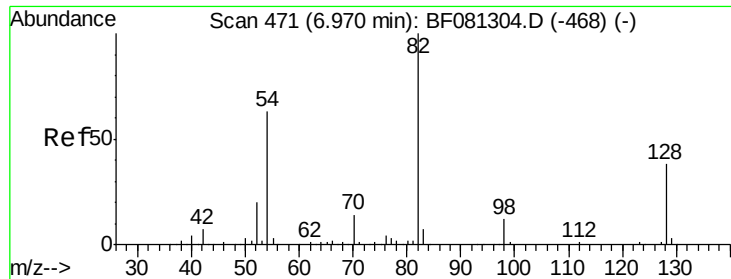
Abundance Ion 136.00 (135.70 to 136.70): E

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

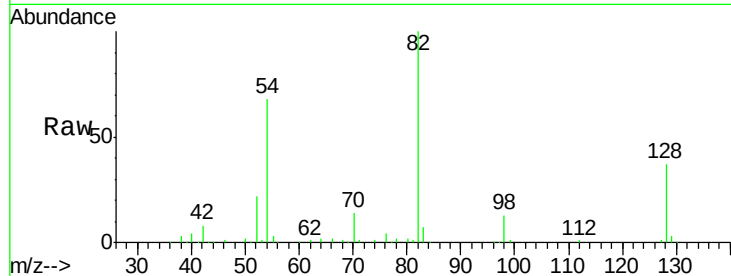




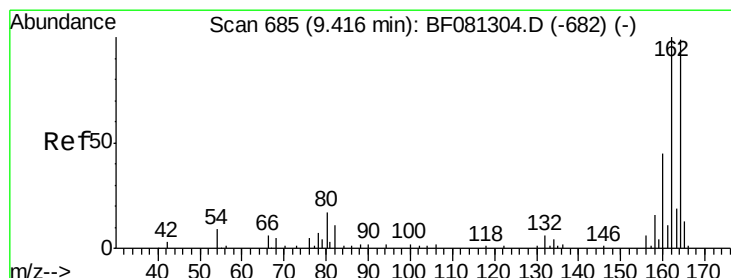
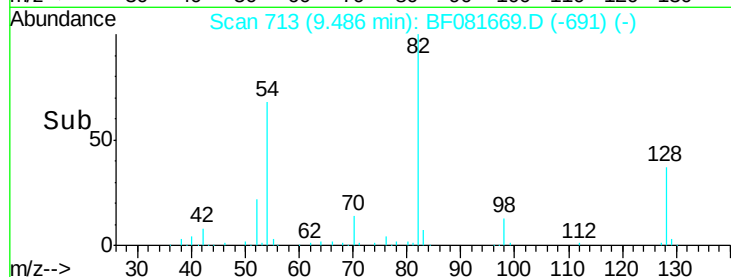
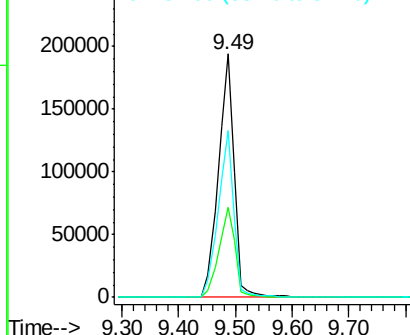
#23
 Nitrobenzene-d5
 Concen: 94.88 ng
 RT: 9.49 min Scan# 713
 Delta R.T. -0.05 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

Instrument :
 BNA_F
 ClientSampleId :
 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

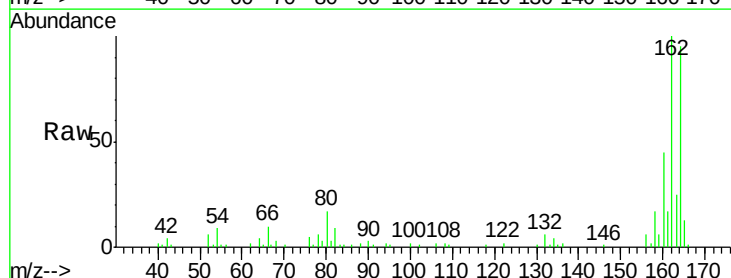


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

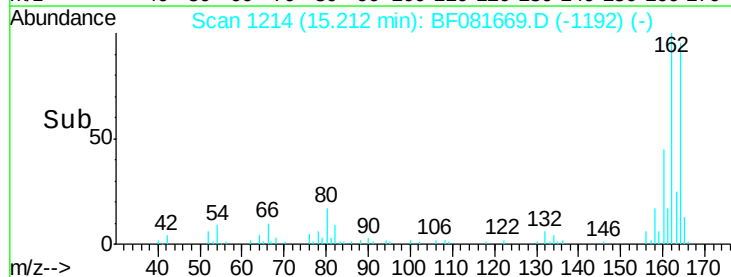
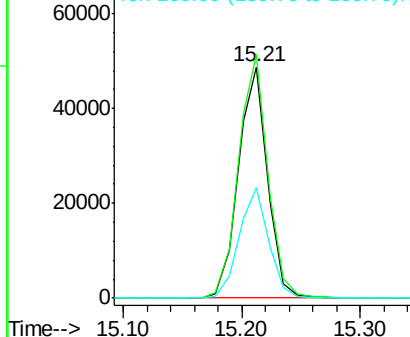


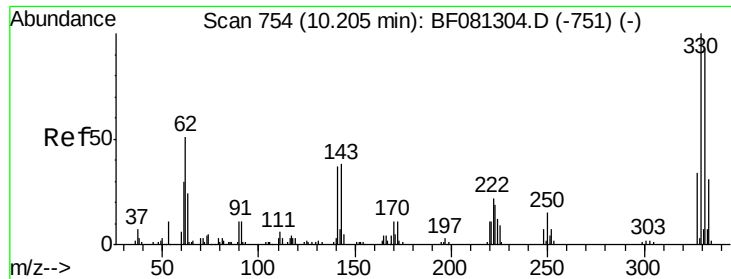
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

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#



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

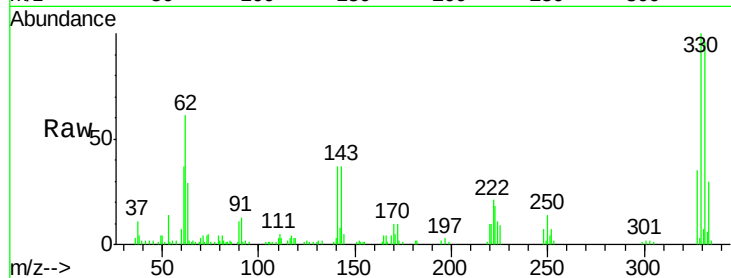




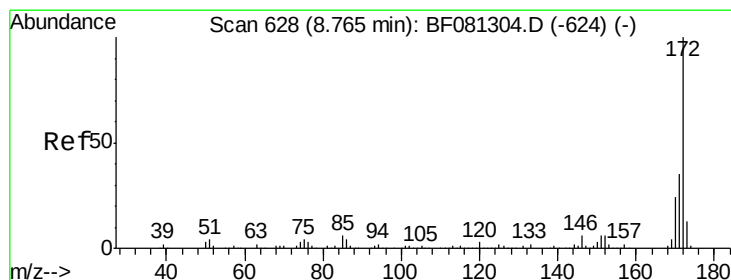
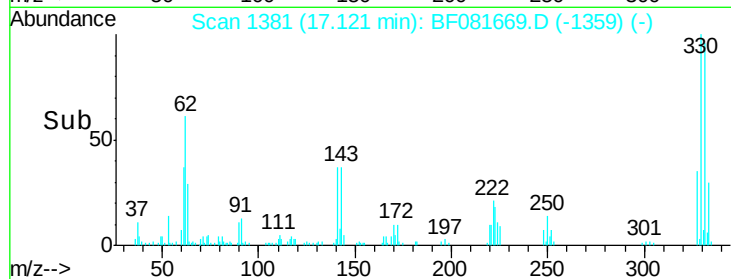
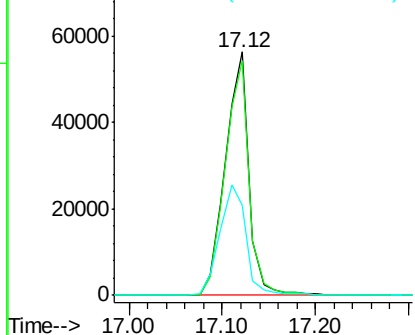
#41
 2,4,6-Tribromophenol
 Concen: 134.42 ng
 RT: 17.12 min Scan# 1381
 Delta R.T. -0.05 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

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#

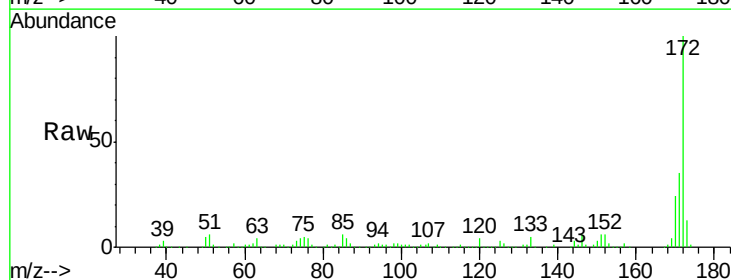


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

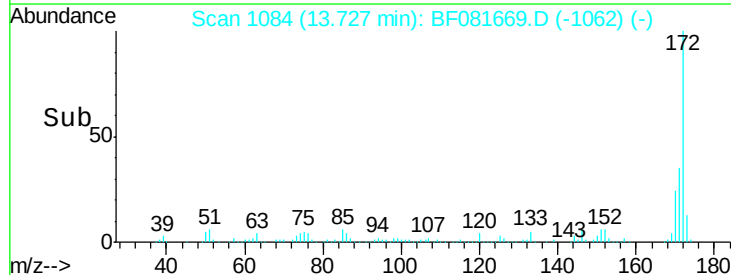
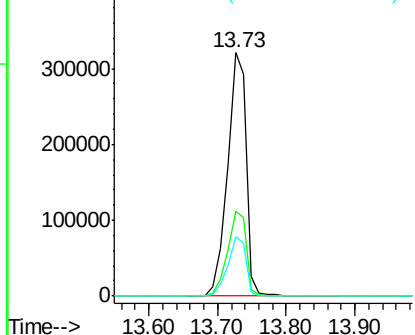


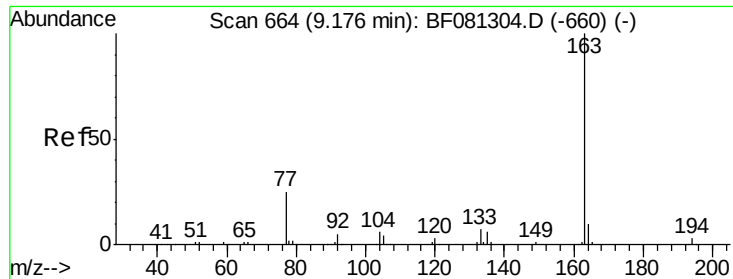
#44
 2-Fluorobiphenyl
 Concen: 95.28 ng
 RT: 13.73 min Scan# 1084
 Delta R.T. -0.05 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

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

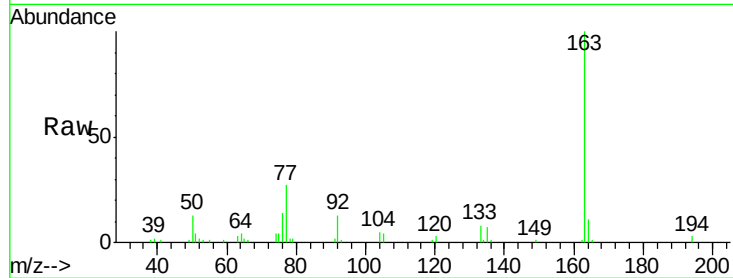
Tgt Ion:163 Resp: 76444

Ion Ratio Lower Upper

163 100

194 3.3 4.4 6.6#

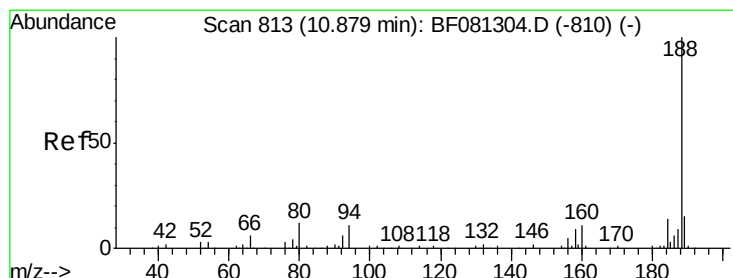
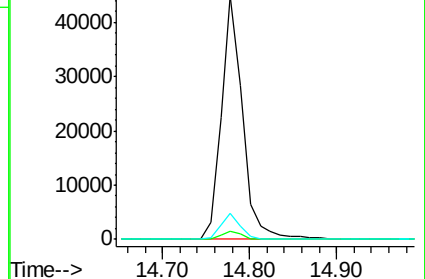
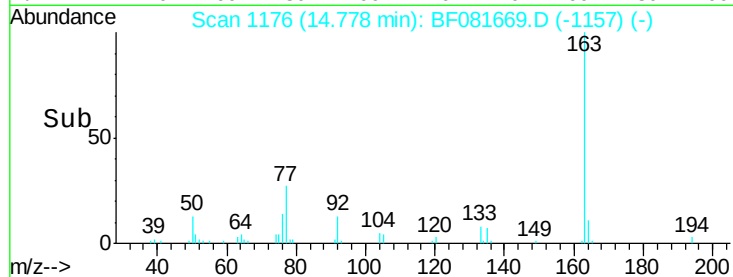
164 10.6 8.3 12.5



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



#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

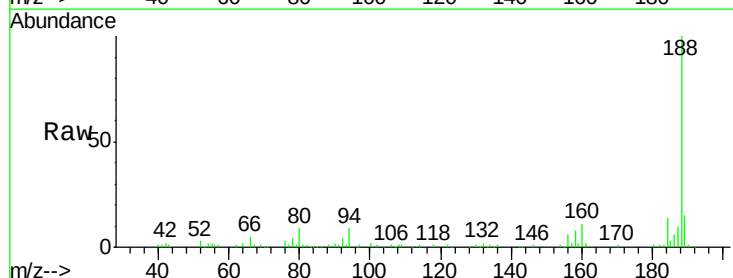
Tgt Ion:188 Resp: 148363

Ion Ratio Lower Upper

188 100

94 8.7 11.1 16.7#

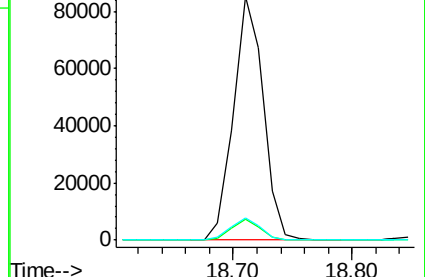
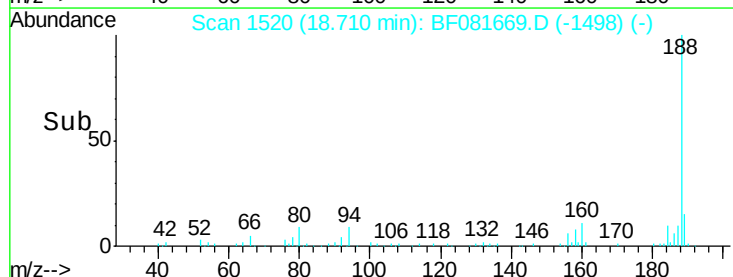
80 9.1 11.0 16.4#

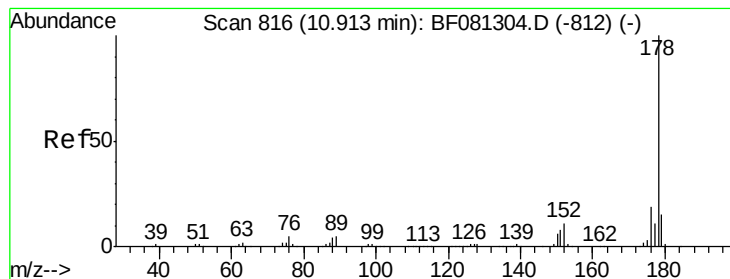


Abundance Ion 188.00 (187.70 to 188.70): E

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

Instrument :

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WC-9-14-15-SOIL

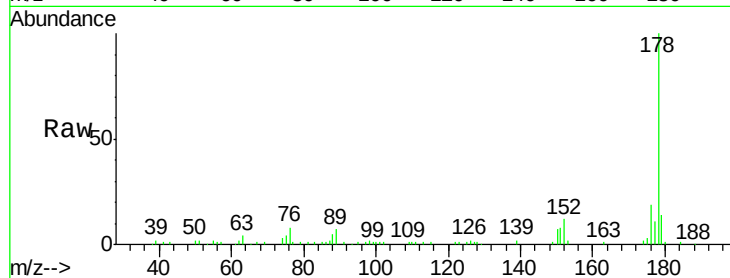
Tgt Ion:178 Resp: 112544

Ion Ratio Lower Upper

178 100

176 19.4 13.8 20.8

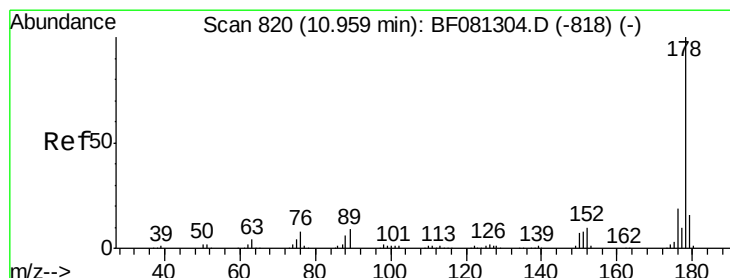
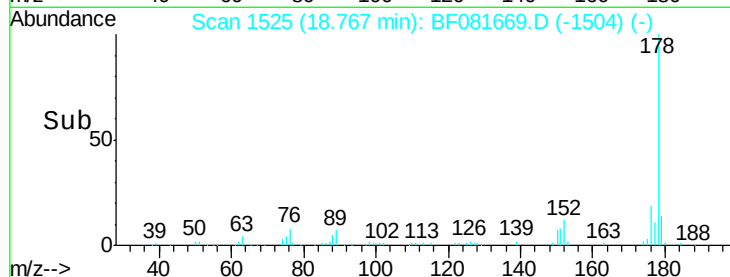
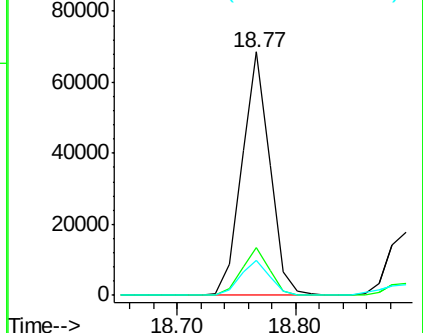
179 14.4 12.2 18.2



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

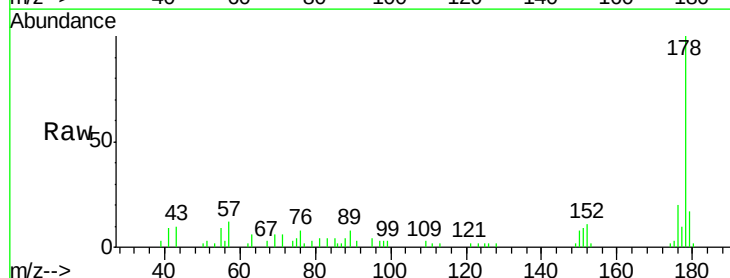
Tgt Ion:178 Resp: 32243

Ion Ratio Lower Upper

178 100

176 19.5 14.1 21.1

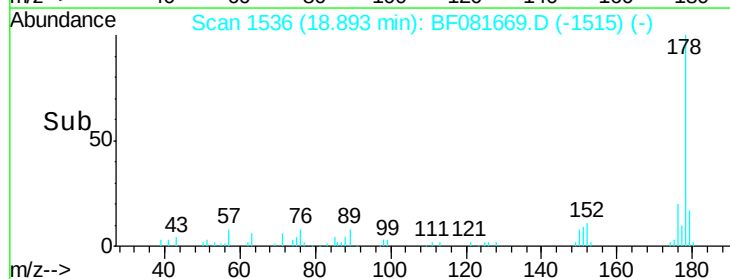
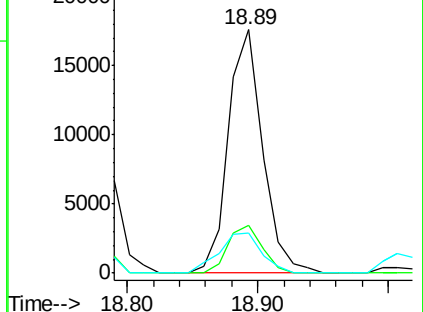
179 16.5 12.2 18.2

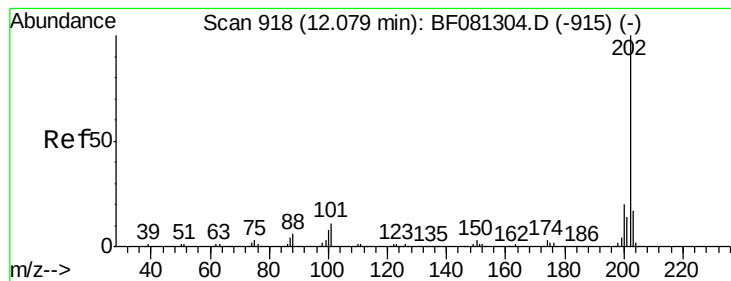


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

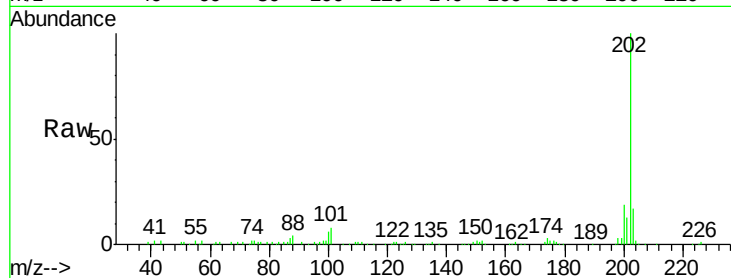
Tgt Ion: 202 Resp: 136568

Ion Ratio Lower Upper

202 100

101 7.5 0.0 38.3

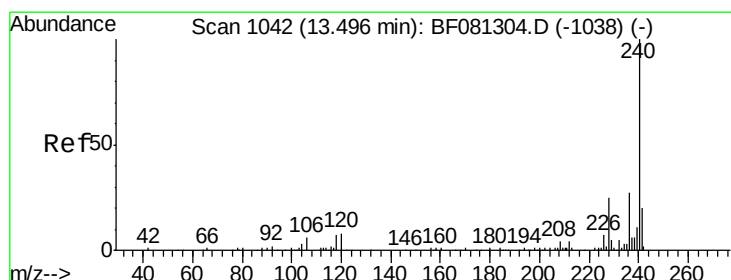
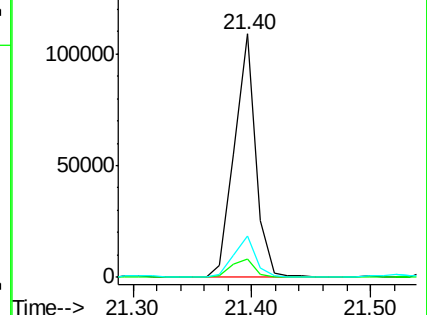
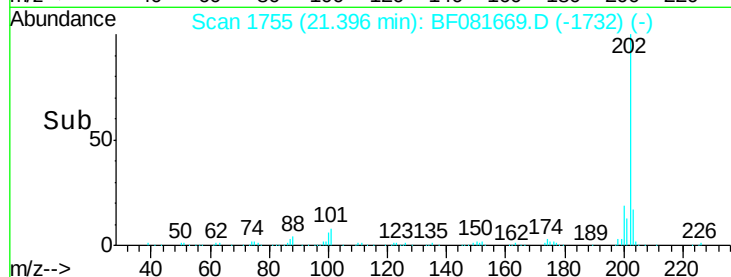
203 16.9 0.0 37.3



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

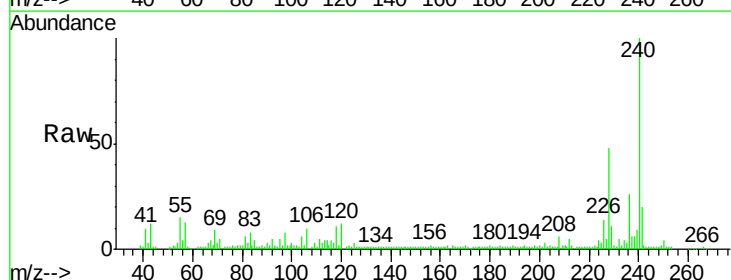
Tgt Ion: 240 Resp: 110568

Ion Ratio Lower Upper

240 100

120 11.9 16.2 24.2#

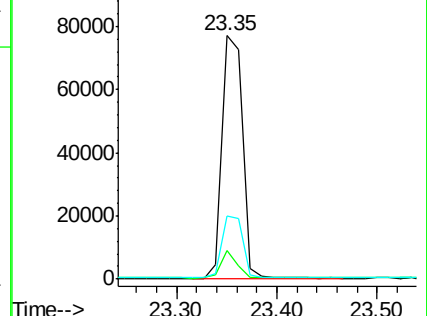
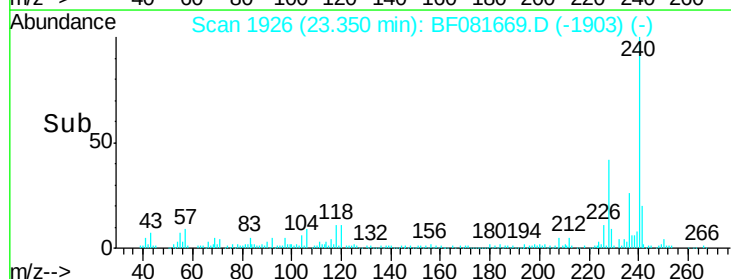
236 26.0 18.4 27.6

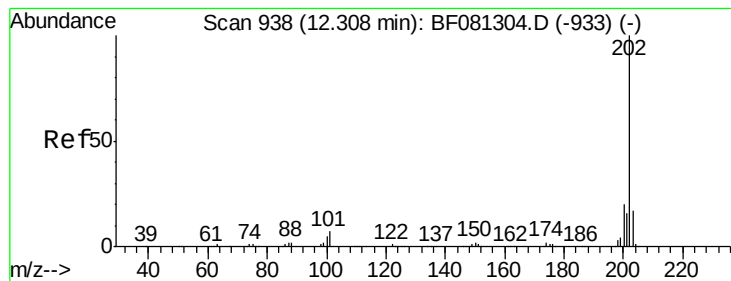


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

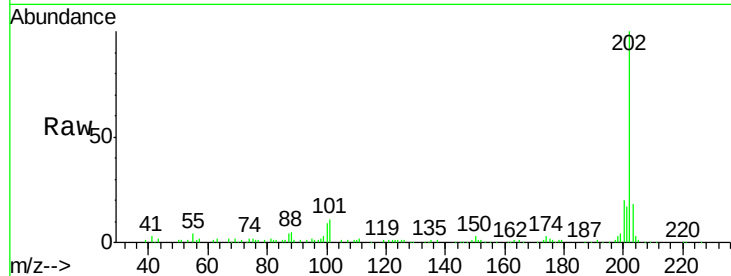
Tgt Ion: 202 Resp: 136920

Ion Ratio Lower Upper

202 100

200 20.1 15.0 22.4

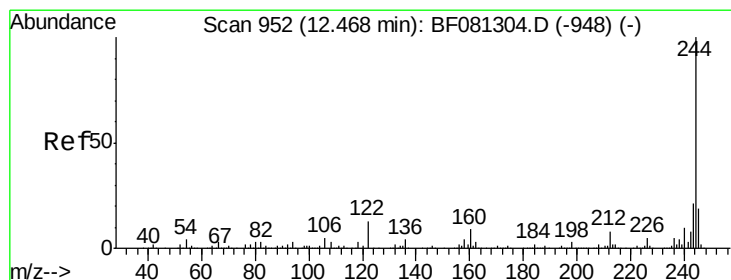
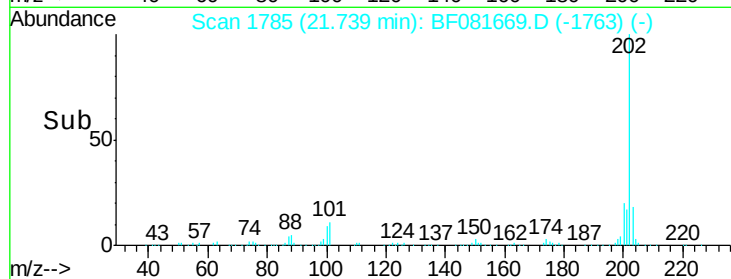
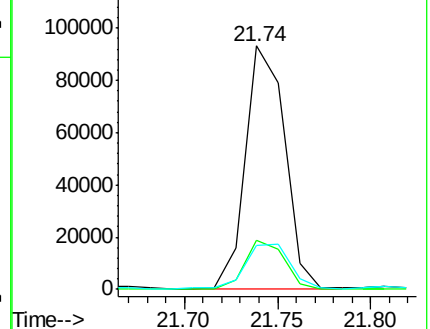
203 18.2 14.1 21.1



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

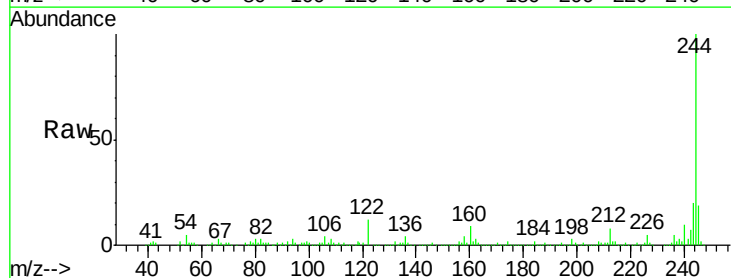
Tgt Ion: 244 Resp: 401911

Ion Ratio Lower Upper

244 100

212 8.3 4.3 6.5#

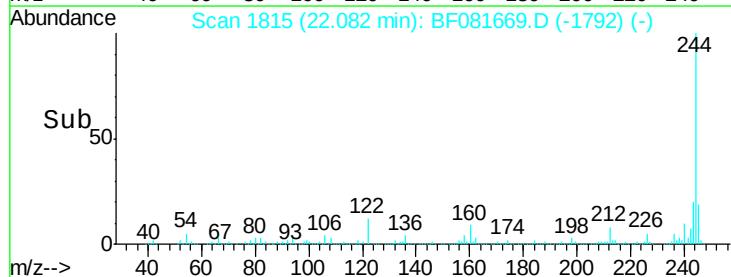
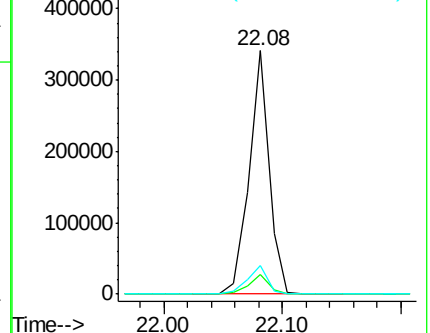
122 11.8 17.4 26.2#

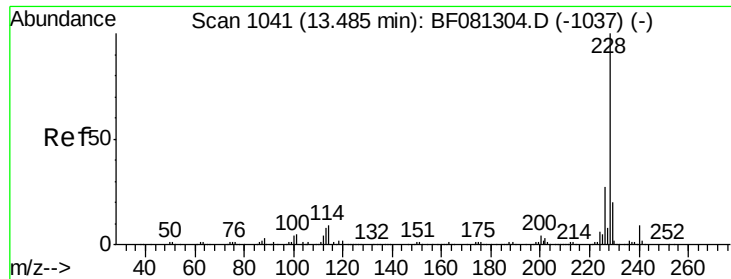


Abundance Ion 244.00 (243.70 to 244.70): E

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

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

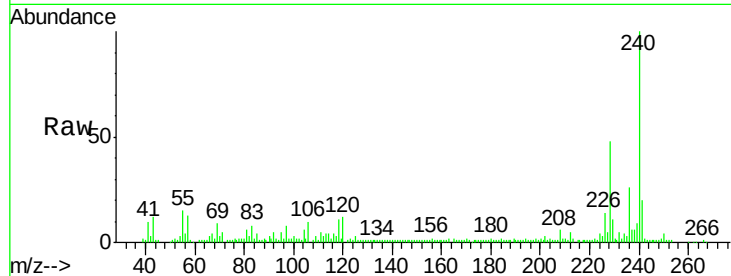
Tgt Ion:228 Resp: 53022

Ion Ratio Lower Upper

228 100

226 29.8 20.0 30.0

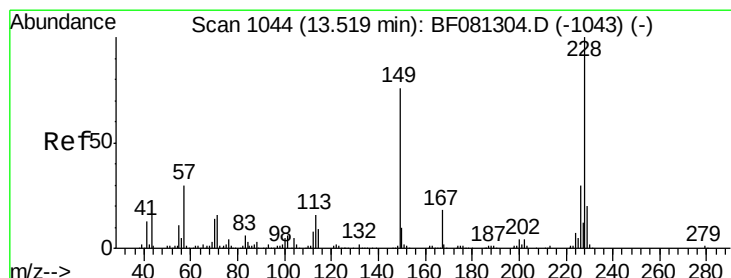
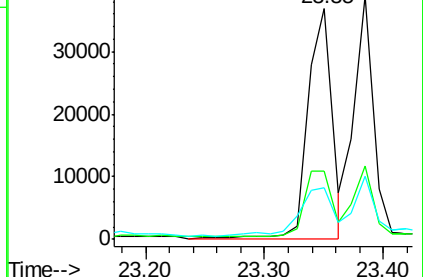
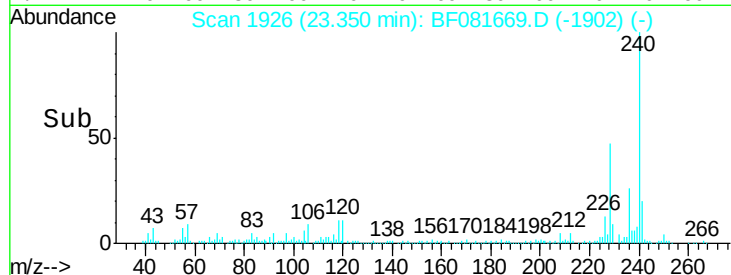
229 22.2 15.4 23.2



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: 7.07 ng m

RT: 23.38 min Scan# 1929

Delta R.T. -0.03 min

Lab File: BF081669.D

Acq: 17 Sep 2015 6:40

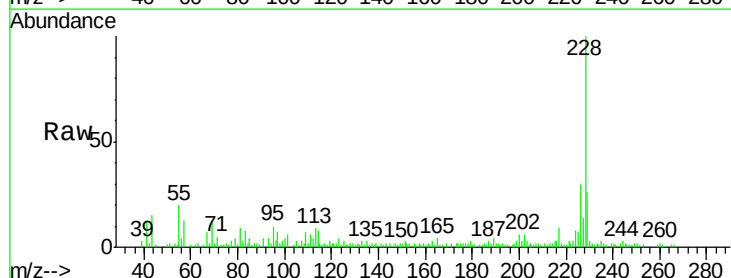
Tgt Ion:228 Resp: 44652

Ion Ratio Lower Upper

228 100

226 30.3 21.0 31.4

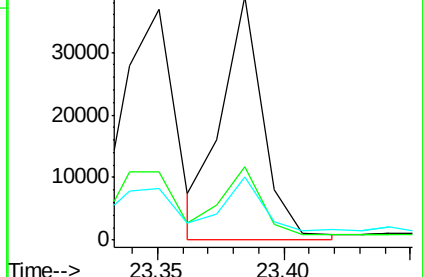
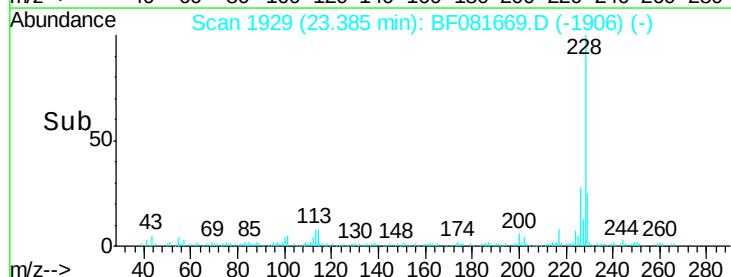
229 25.8 15.6 23.4#

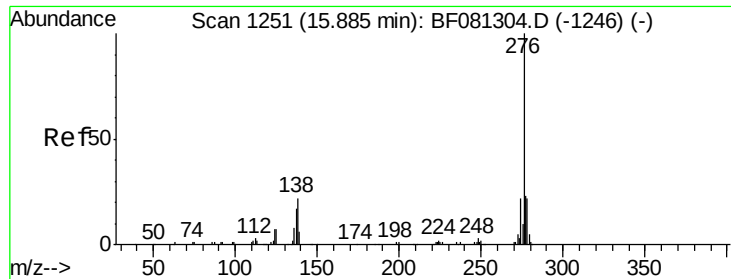


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

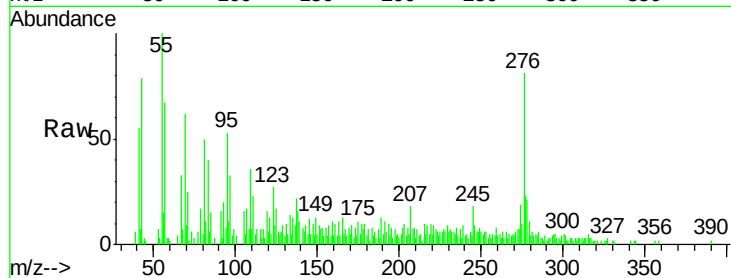




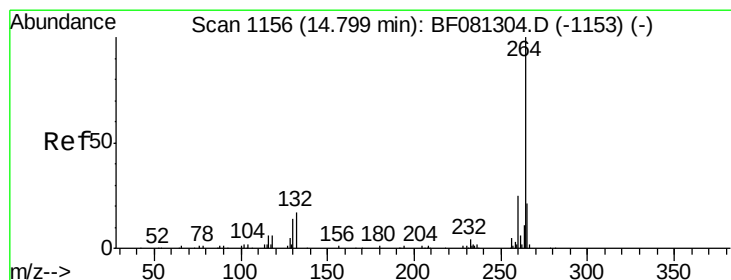
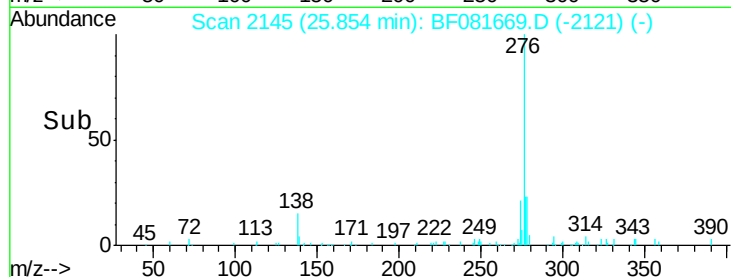
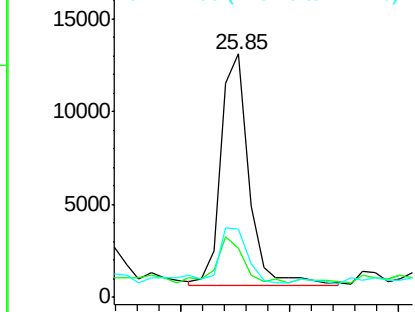
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.88 ng
 RT: 25.85 min Scan# 2145
 Delta R.T. -0.02 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	25.7	38.5#
277	26.5	15.6	23.4#

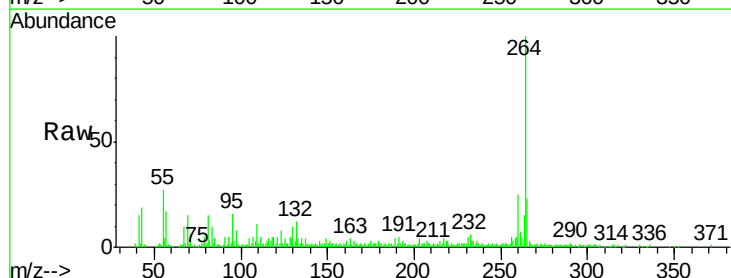


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

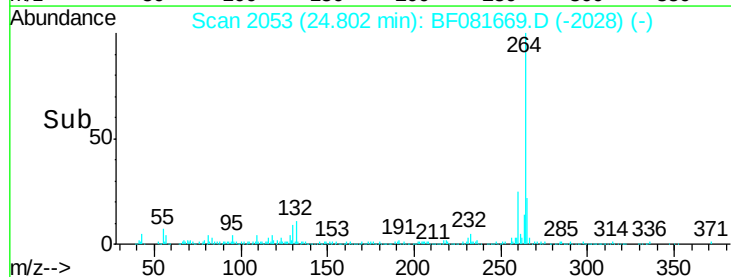
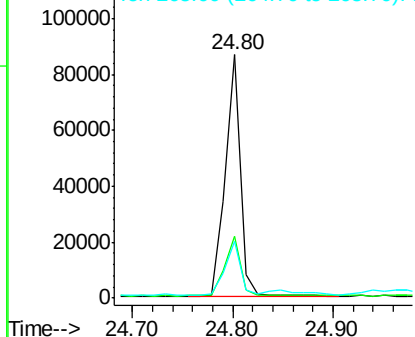


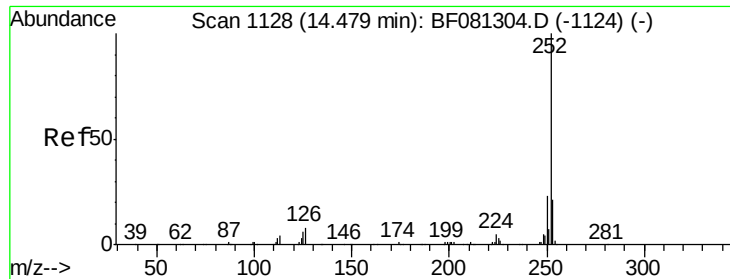
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.80 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BF081669.D
 Acq: 17 Sep 2015 6:40

Tgt 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

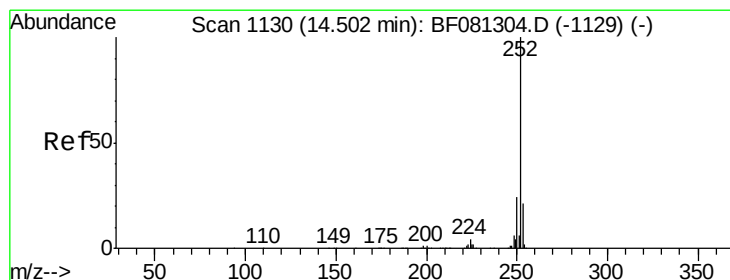
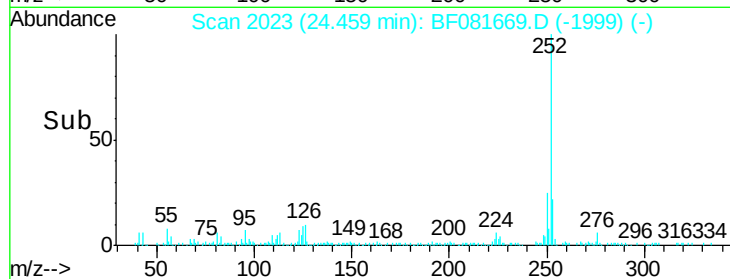
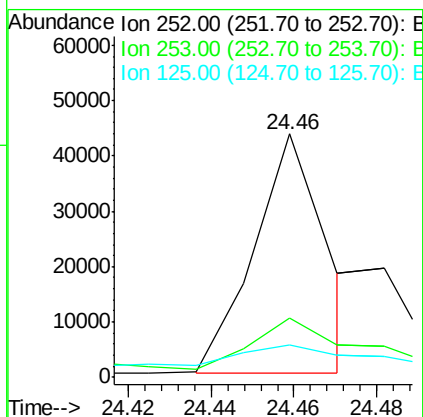
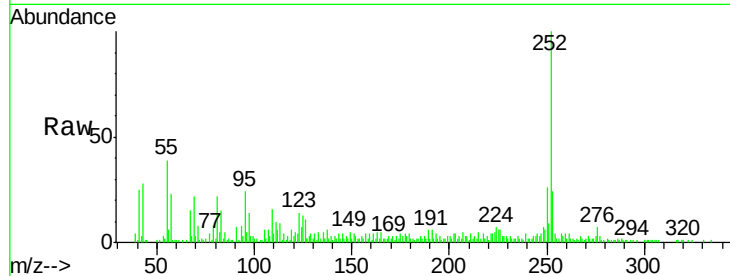




#87
Benzo(b)fluoranthene
Concen: 8.14 ng m
RT: 24.46 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF081669.D
Acq: 17 Sep 2015 6:40

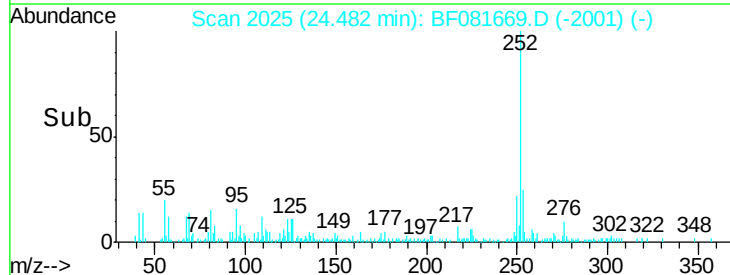
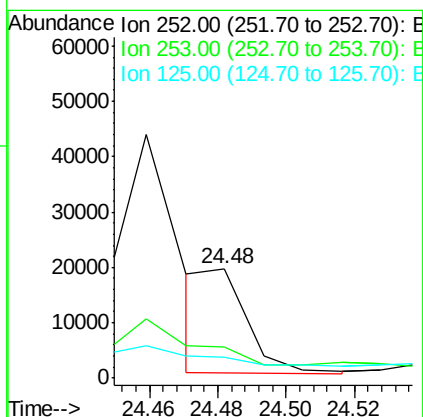
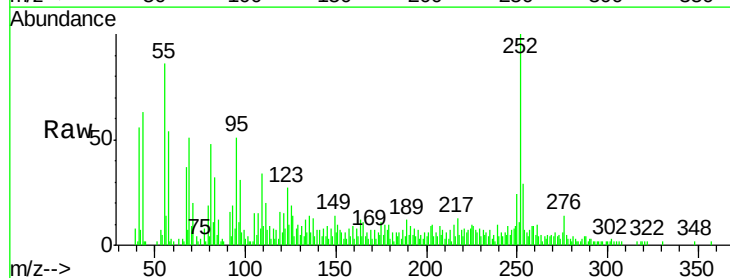
Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

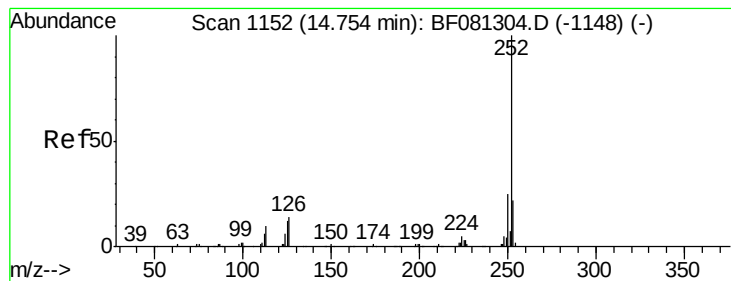
Tgt Ion: 252 Resp: 52969
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 13.2 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 2.93 ng m
RT: 24.48 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF081669.D
Acq: 17 Sep 2015 6:40

Tgt Ion: 252 Resp: 15837
Ion Ratio Lower Upper
252 100
253 28.8 17.0 25.4#
125 18.7 16.0 24.0





#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

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

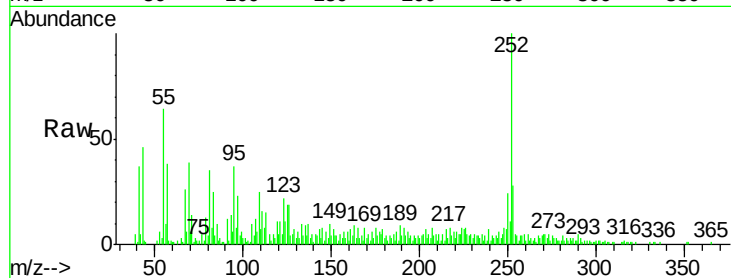
Tgt Ion: 252 Resp: 41422

Ion Ratio Lower Upper

252 100

253 28.5 17.2 25.8#

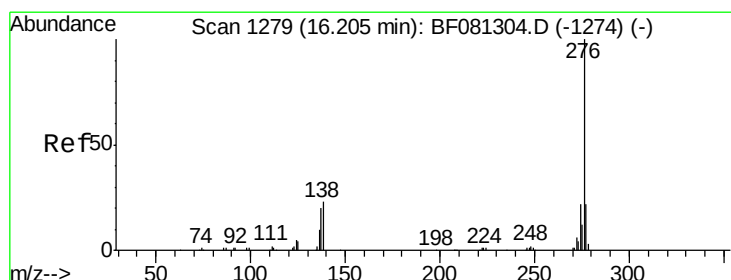
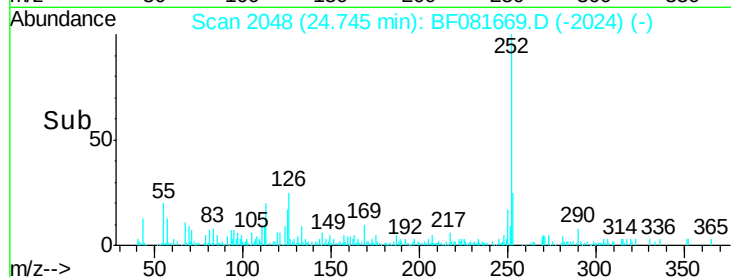
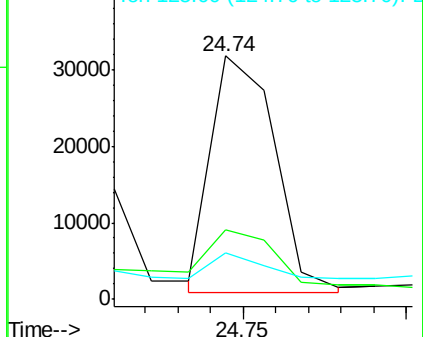
125 19.1 18.0 27.0



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

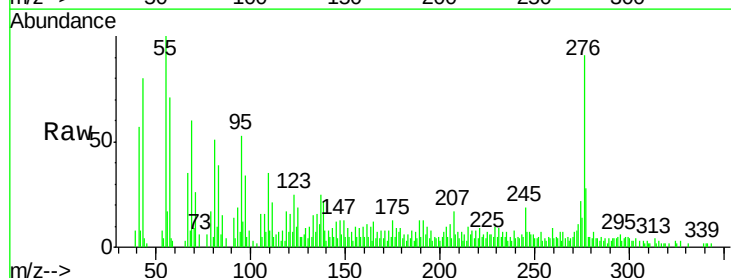
Tgt Ion: 276 Resp: 22095

Ion Ratio Lower Upper

276 100

277 30.6 17.8 26.6#

138 24.1 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

