

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
 Data File : BF079174.D
 Acq On : 12 May 2015 23:06
 Operator : TP/IZ
 Sample : G2221-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ALMASI-SOIL

Quant Time: May 13 01:18:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 00:53:14 2015
 Response via : Initial Calibration

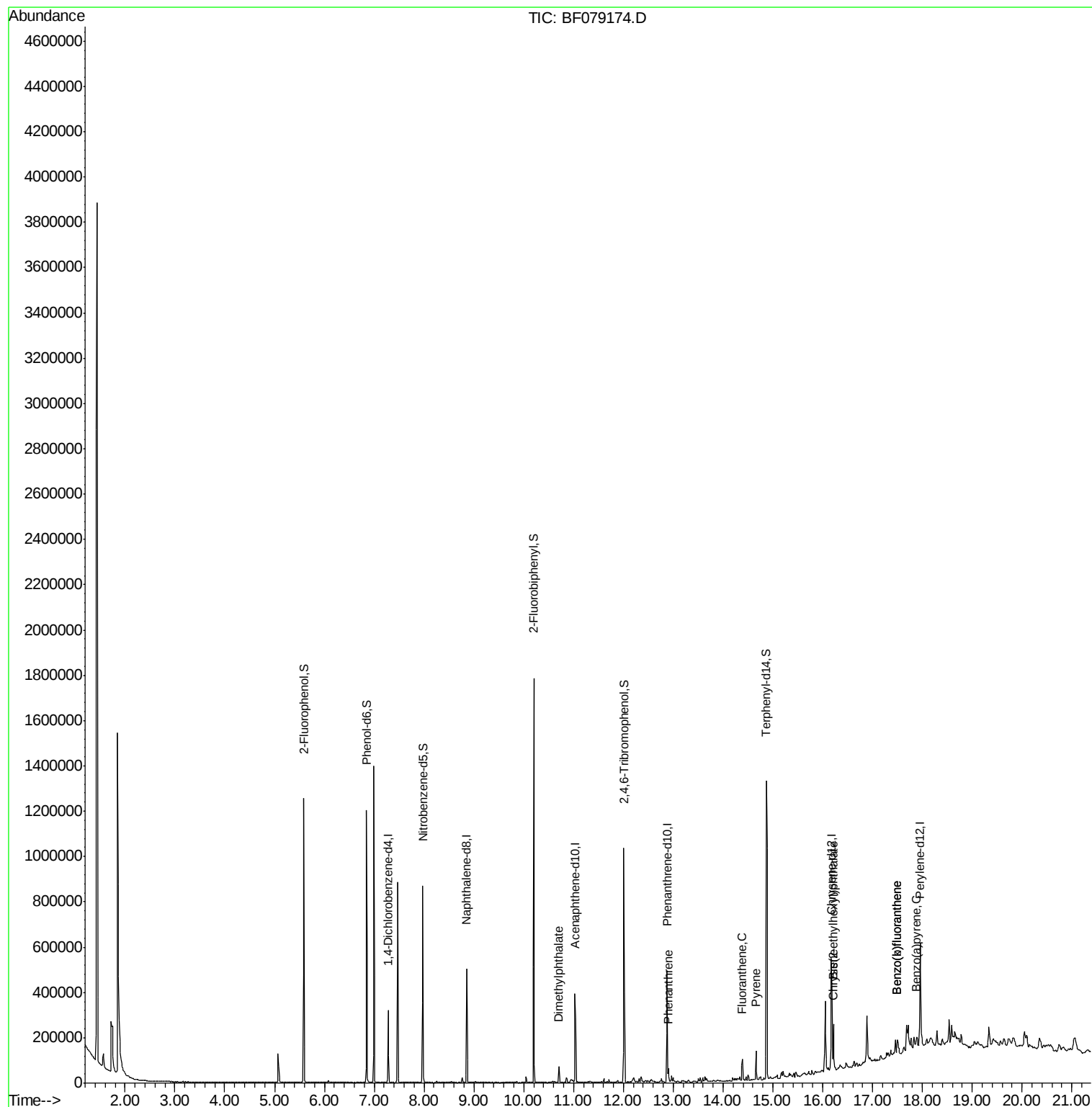
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	53535	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	219182	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	103726	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	204284	20.00	ng	0.00
75) Chrysene-d12	16.17	240	219312	20.00	ng	-0.02
86) Perylene-d12	17.95	264	227657	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	391290	125.82	ng	0.01
7) Phenol-d6	6.84	99	489895	119.17	ng	0.00
23) Nitrobenzene-d5	7.98	82	298133	78.17	ng	0.00
41) 2,4,6-Tribromophenol	12.01	330	143979	128.31	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	560700	75.31	ng	0.00
78) Terphenyl-d14	14.87	244	600144	65.52	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.71	163	27897	3.66	ng	100
70) Phenanthrene	12.90	178	26590	2.33	ng	99
74) Fluoranthene	14.39	202	51497	4.32	ng	92
77) Pyrene	14.66	202	54400	4.30	ng	97
82) Chrysene	16.21	228	27780	2.40	ng	97
83) Bis(2-ethylhexyl)phthalate	16.22	149	53540	6.40	ng	98
87) Benzo(b)fluoranthene	17.50	252	40174	3.22	ng	# 96
88) Benzo(k)fluoranthene	17.50	252	51331	4.26	ng	# 96
89) Benzo(a)pyrene	17.89	252	25803	2.25	ng	# 86

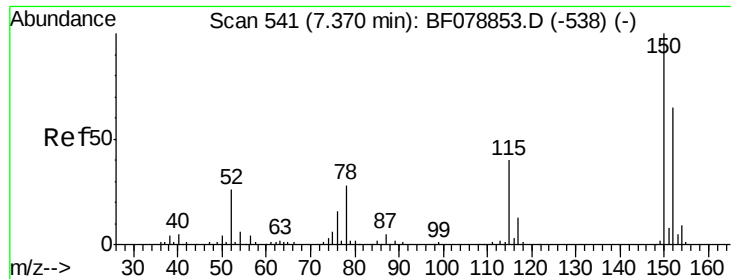
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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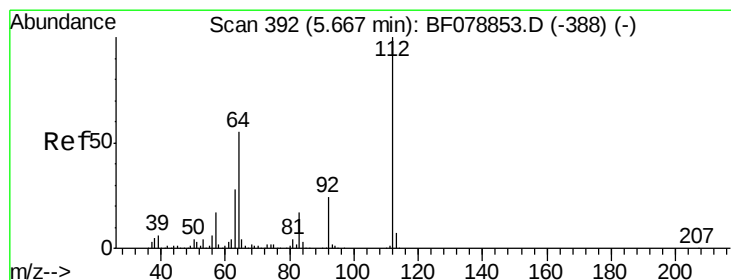
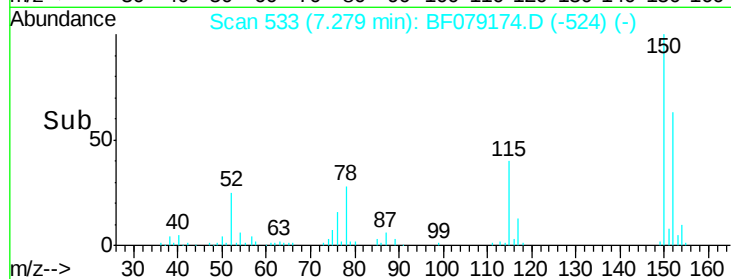
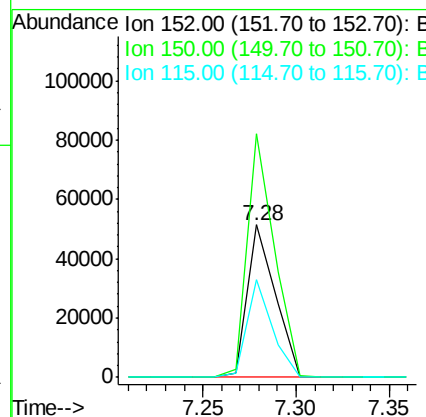
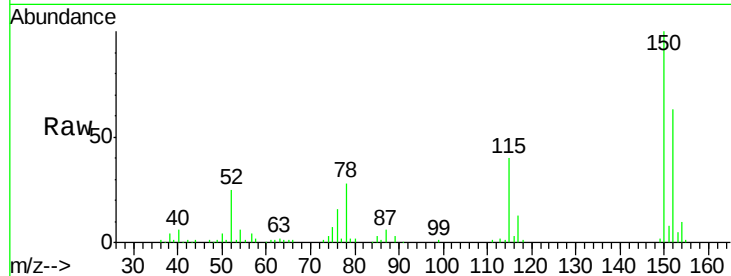




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.28 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

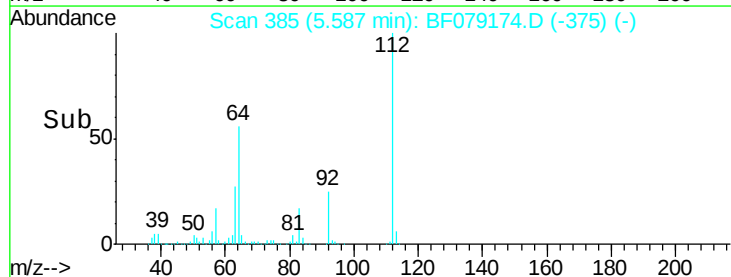
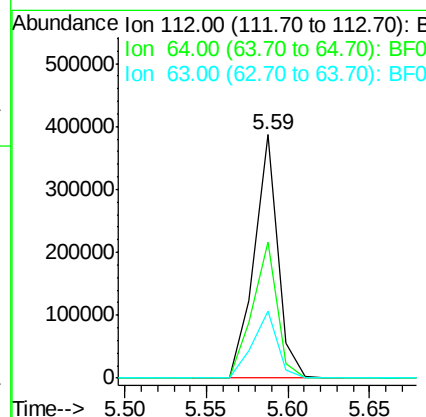
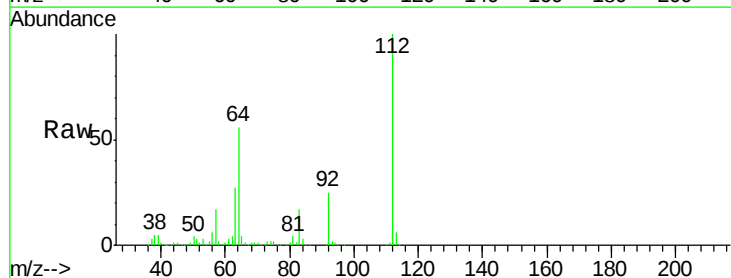
Instrument :
 BNA_F
 ClientSampleId :
 ALMASI-SOIL

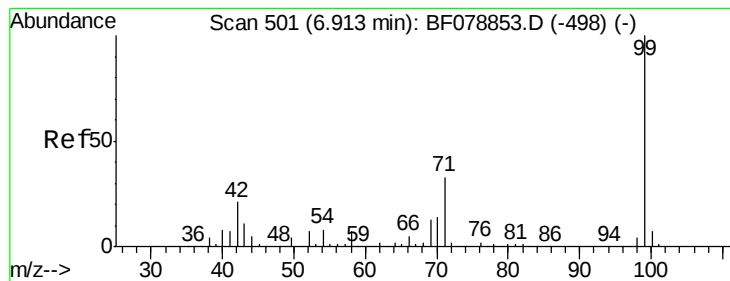
Tgt Ion:152 Resp: 53535
 Ion Ratio Lower Upper
 152 100
 150 159.6 122.0 183.0
 115 63.7 46.3 69.5



#5
 2-Fluorophenol
 Concen: 125.82 ng
 RT: 5.59 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

Tgt Ion:112 Resp: 391290
 Ion Ratio Lower Upper
 112 100
 64 55.7 53.5 80.3
 63 27.4 27.5 41.3#





#7

Phenol-d6

Concen: 119.17 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

Instrument :

BNA_F

ClientSampleId :

ALMASI-SOIL

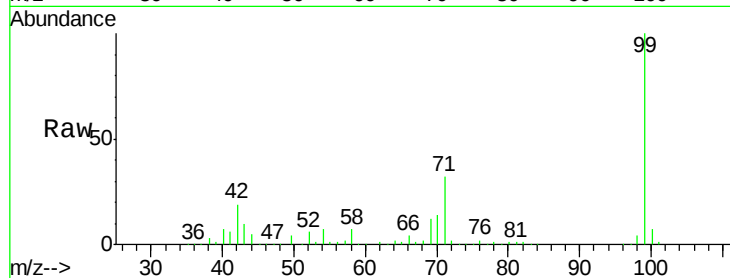
Tgt Ion: 99 Resp: 489895

Ion Ratio Lower Upper

99 100

42 18.7 12.8 19.2

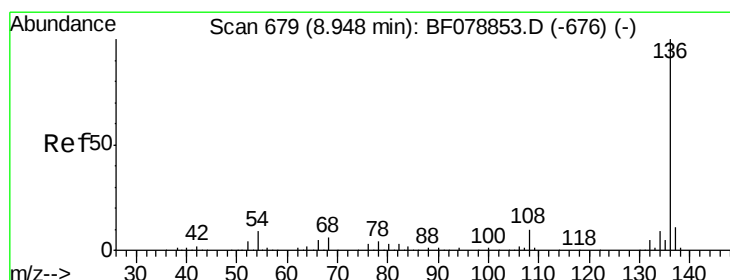
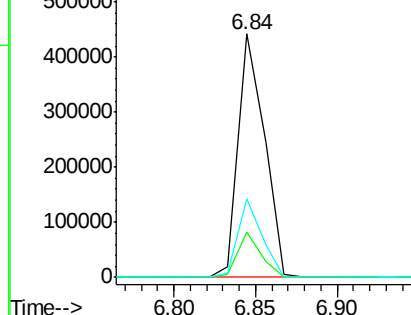
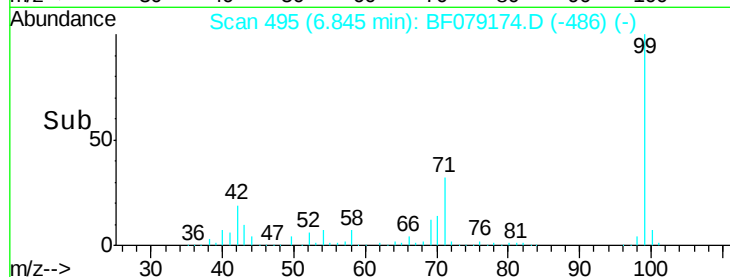
71 32.1 23.4 35.2



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: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

Tgt Ion: 136 Resp: 219182

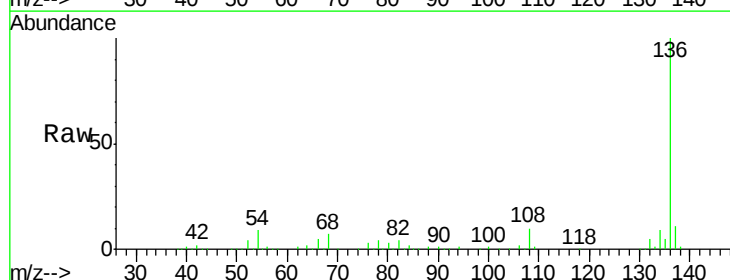
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.6 5.8 8.8

68 6.6 4.2 6.4#

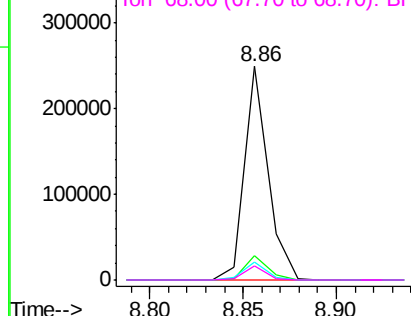
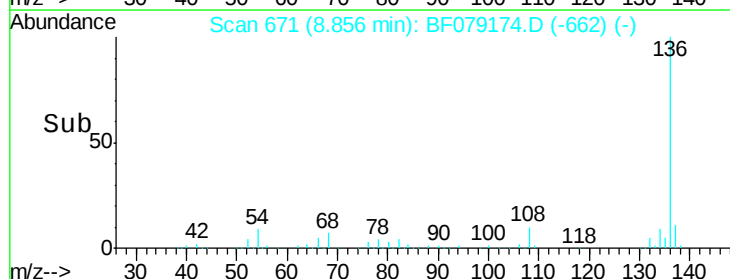


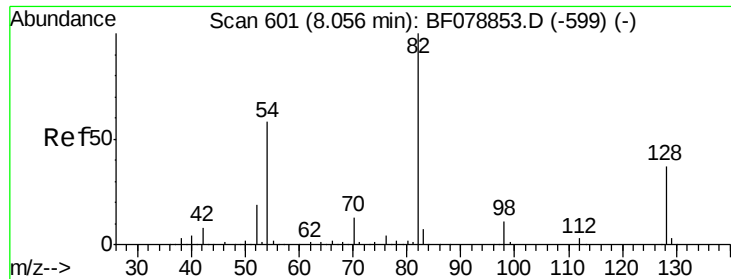
Abundance Ion 136.00 (135.70 to 136.70): E

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

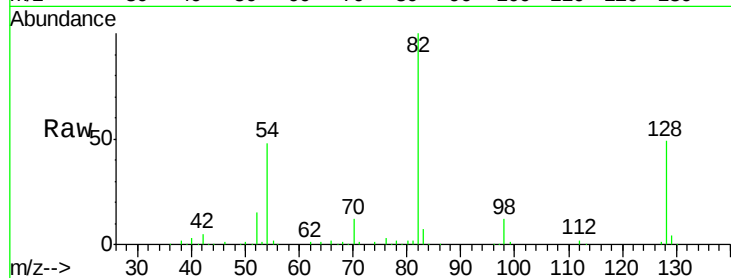




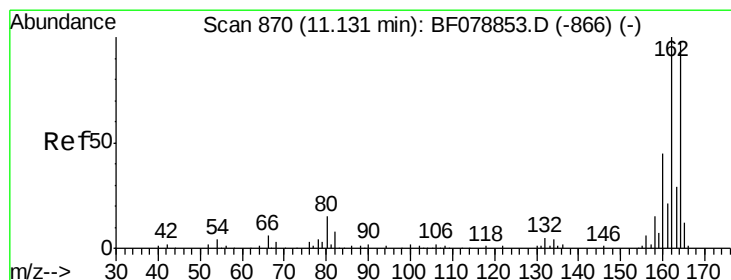
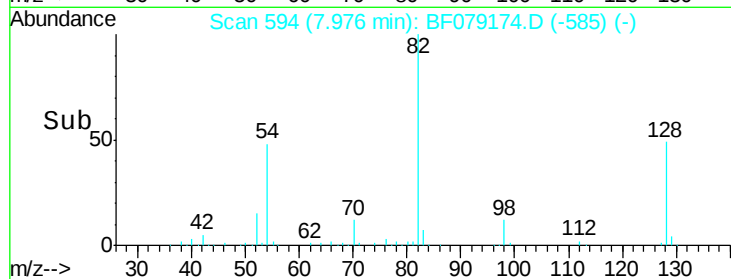
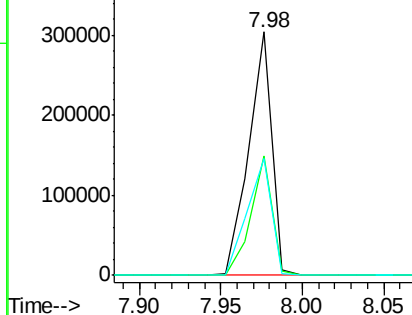
#23
 Nitrobenzene-d5
 Concen: 78.17 ng
 RT: 7.98 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

Instrument :
 BNA_F
 ClientSampleId :
 ALMASI-SOIL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.0	30.0	45.0#
54	47.8	46.4	69.6

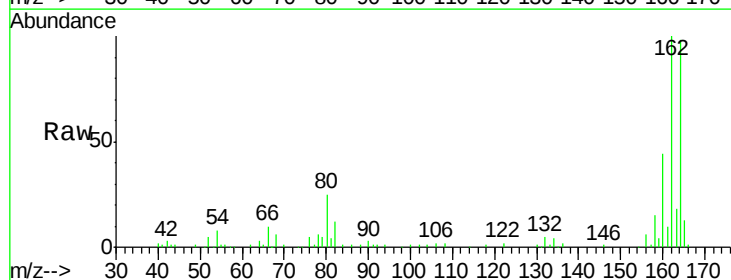


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

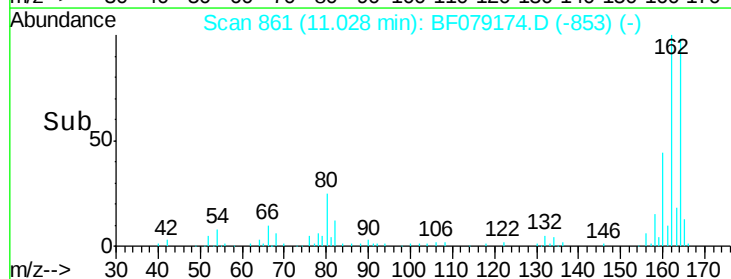
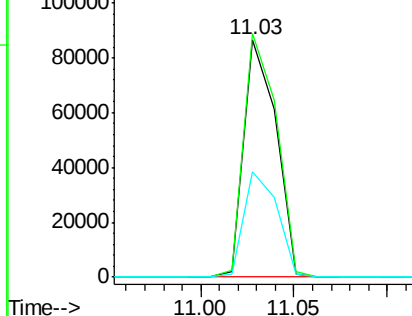


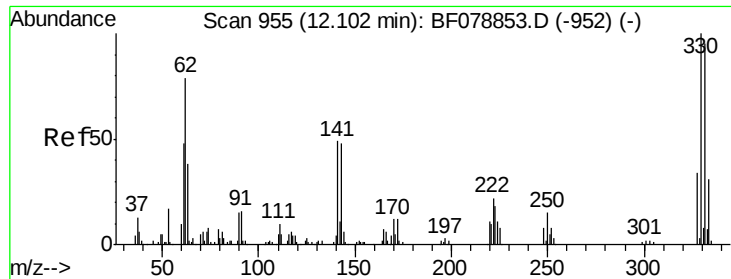
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.7	124.1
160	44.6	35.8	53.8



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

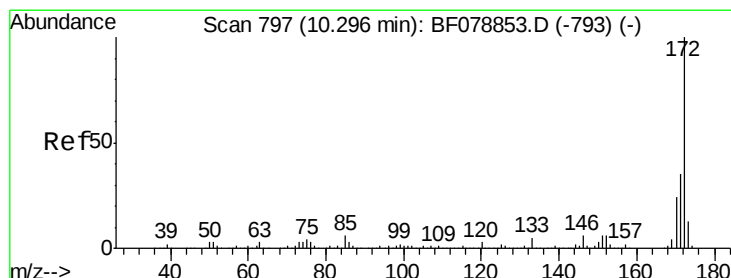
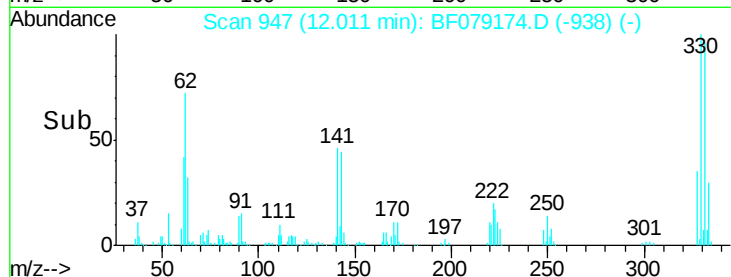
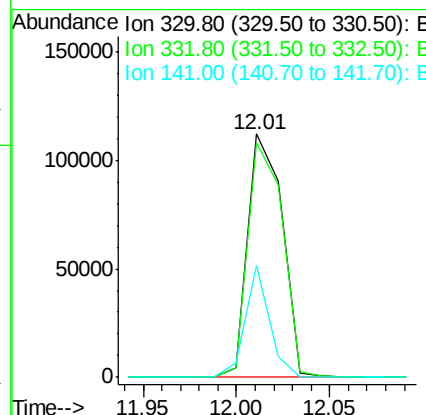
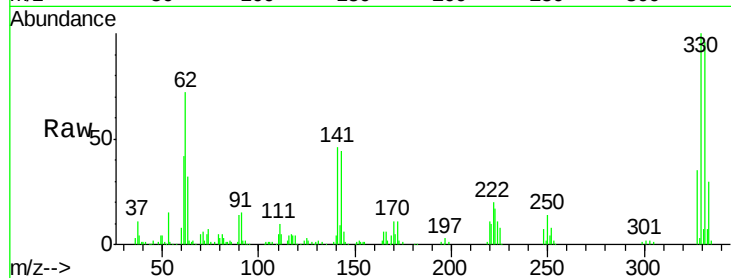




#41
 2,4,6-Tribromophenol
 Concen: 128.31 ng
 RT: 12.01 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

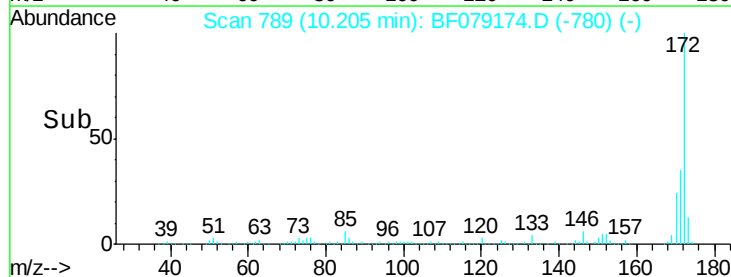
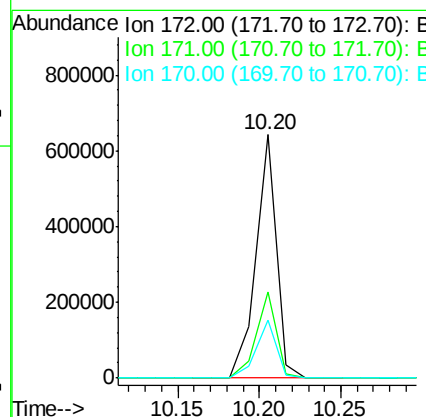
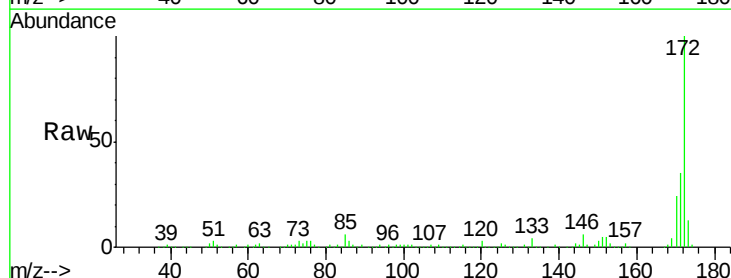
Instrument :
 BNA_F
 ClientSampled :
 ALMASI-SOIL

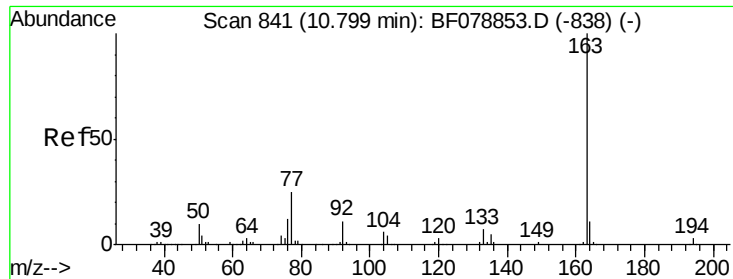
Tgt Ion:330 Resp: 143979
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 32.7 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 75.31 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

Tgt Ion:172 Resp: 560700
 Ion Ratio Lower Upper
 172 100
 171 35.4 27.9 41.9
 170 23.8 19.4 29.0

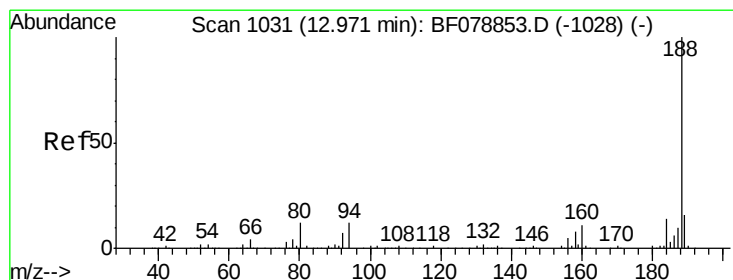
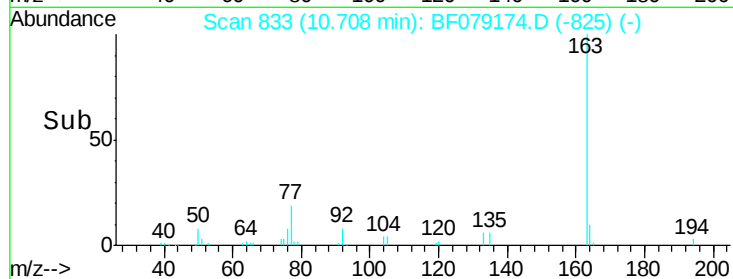
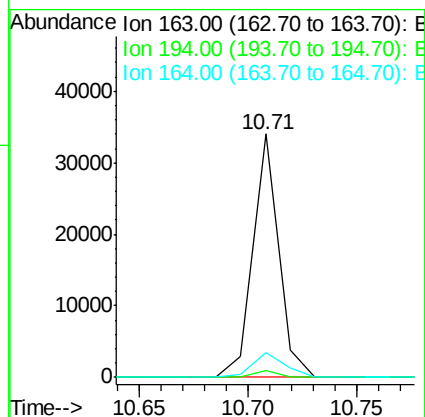
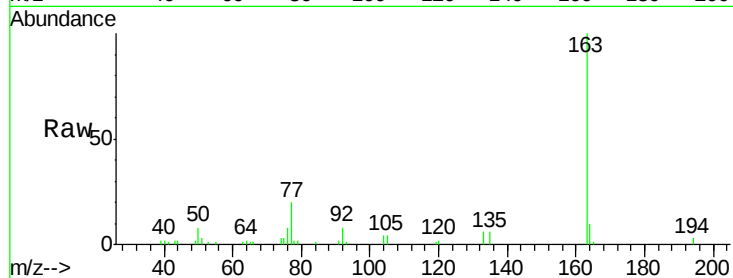




#49
Dimethylphthalate
Concen: 3.66 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF079174.D
Acq: 12 May 2015 23:06

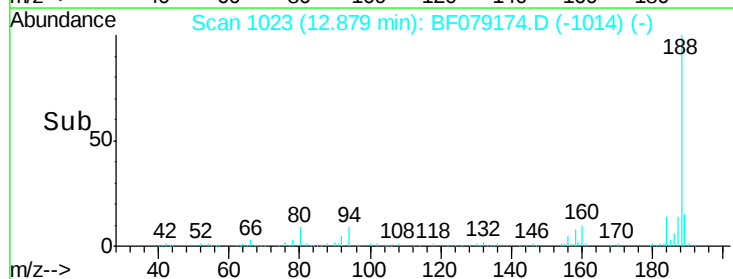
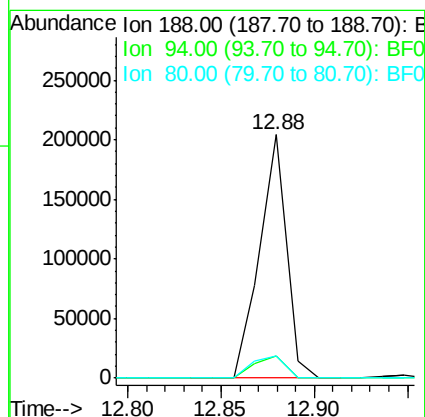
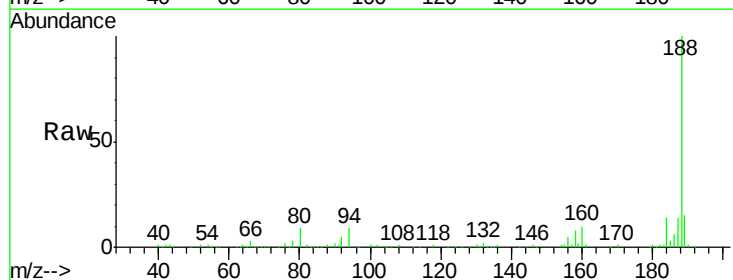
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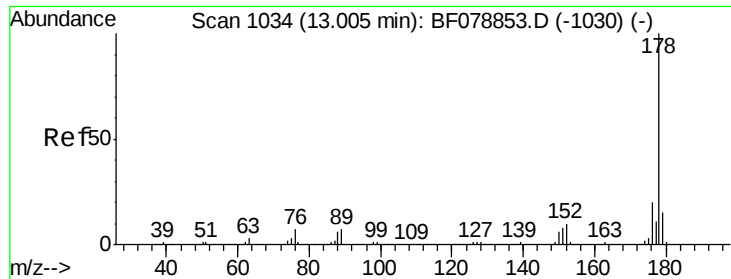
Tgt Ion:163 Resp: 27897
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 10.1 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.88 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF079174.D
Acq: 12 May 2015 23:06

Tgt Ion:188 Resp: 204284
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.2
80 9.0 8.9 13.3

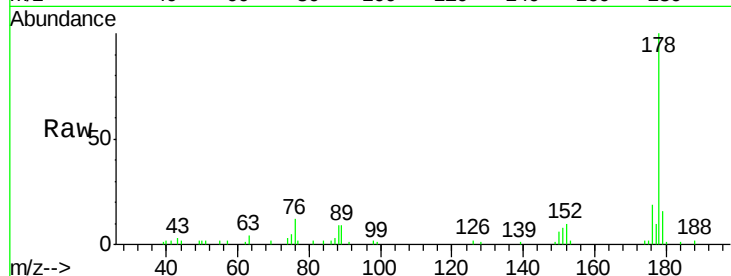




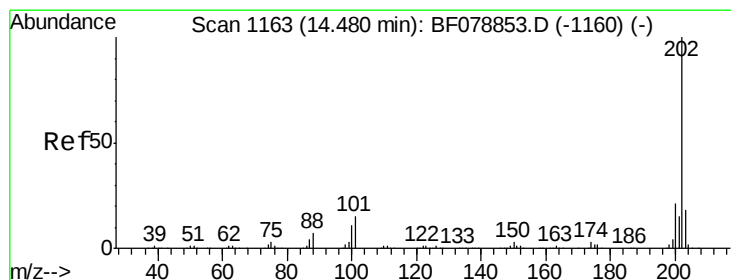
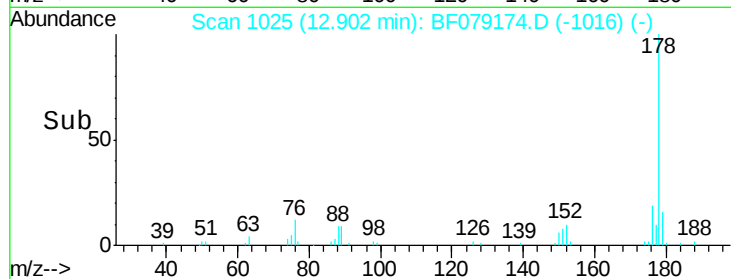
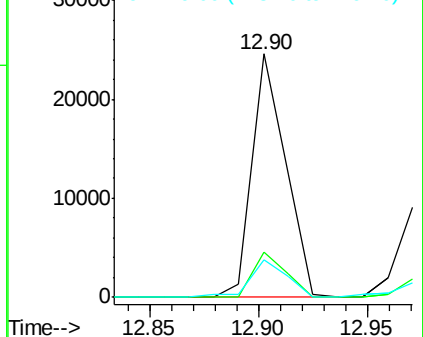
#70
Phenanthrene
Concen: 2.33 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF079174.D
Acq: 12 May 2015 23:06

Instrument :
BNA_F
ClientSampleId :
ALMASI-SOIL

Tgt Ion:178 Resp: 26590
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.6 12.5 18.7

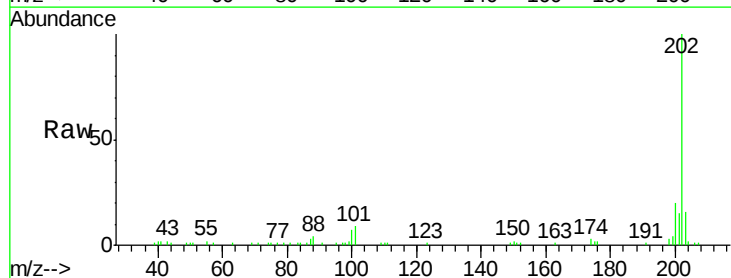


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

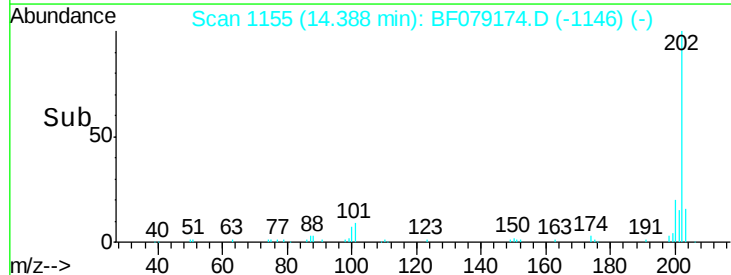
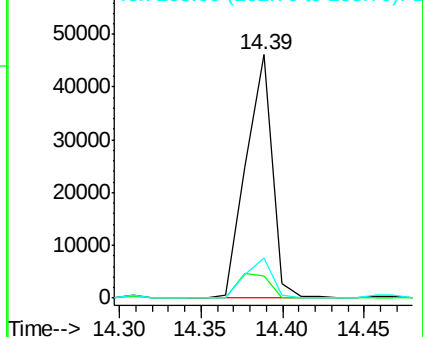


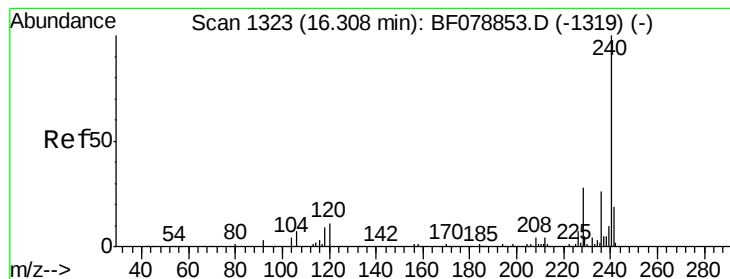
#74
Fluoranthene
Concen: 4.32 ng
RT: 14.39 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF079174.D
Acq: 12 May 2015 23:06

Tgt Ion:202 Resp: 51497
Ion Ratio Lower Upper
202 100
101 9.3 0.0 34.6
203 16.5 0.0 38.4



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: 16.17 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

Instrument :

BNA_F

ClientSampleId :

ALMASI-SOIL

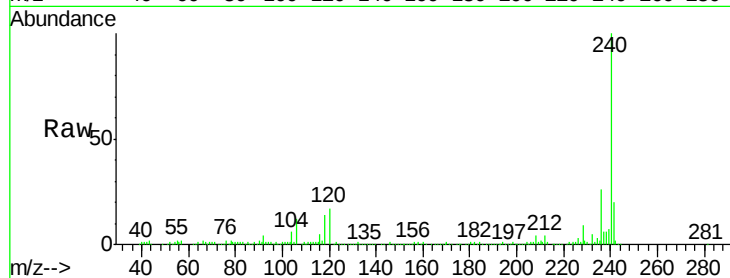
Tgt Ion:240 Resp: 219312

Ion Ratio Lower Upper

240 100

120 17.0 9.7 14.5#

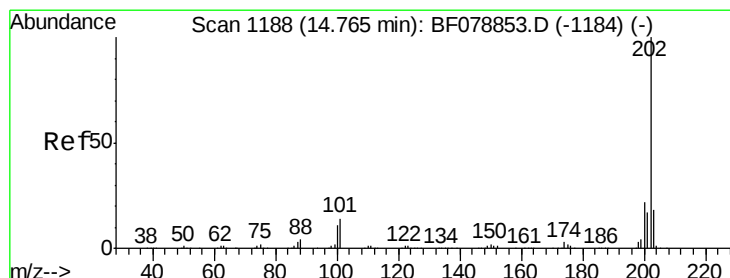
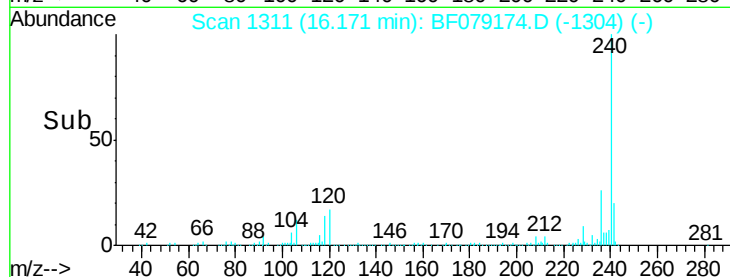
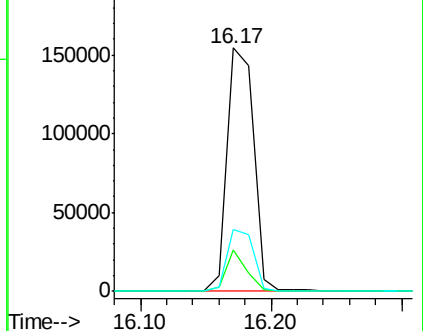
236 25.5 20.2 30.4



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



#77

Pyrene

Concen: 4.30 ng

RT: 14.66 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

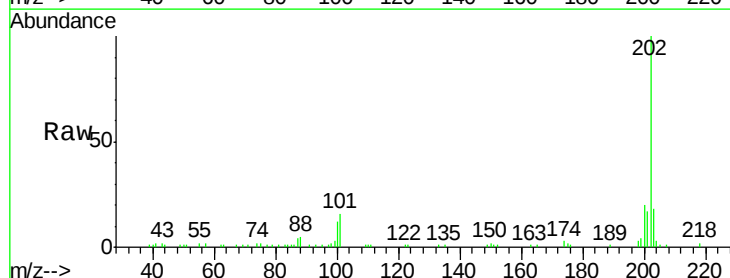
Tgt Ion:202 Resp: 54400

Ion Ratio Lower Upper

202 100

200 19.8 17.5 26.3

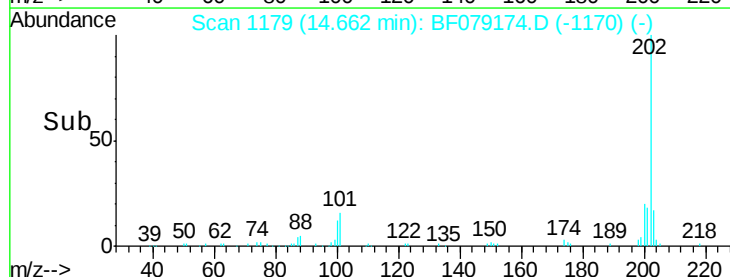
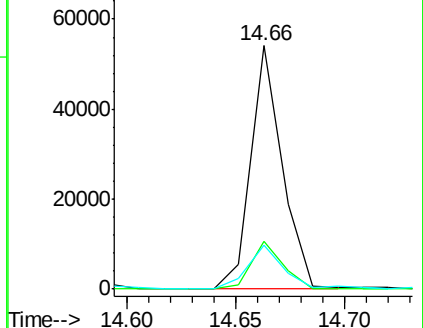
203 18.3 13.9 20.9

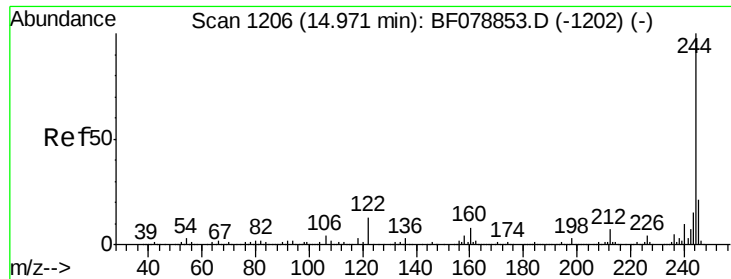


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.52 ng

RT: 14.87 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

Instrument :

BNA_F

ClientSampleId :

ALMASI-SOIL

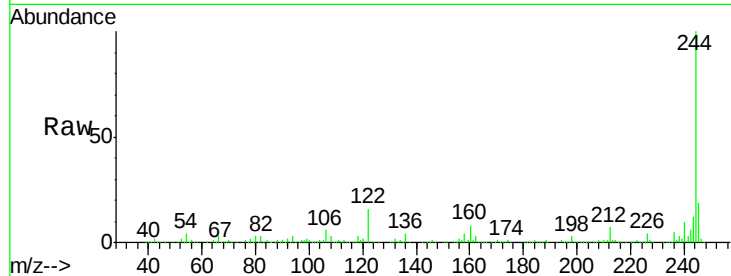
Tgt Ion:244 Resp: 600144

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

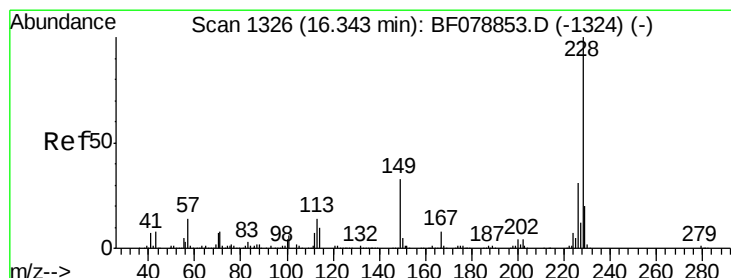
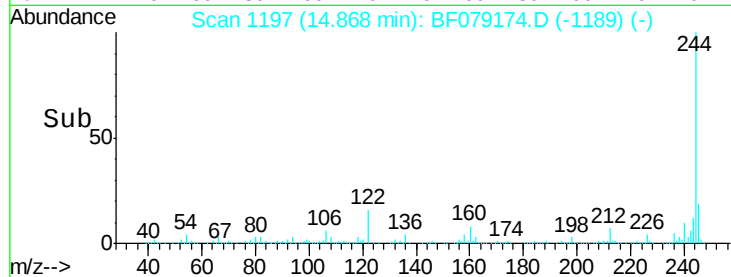
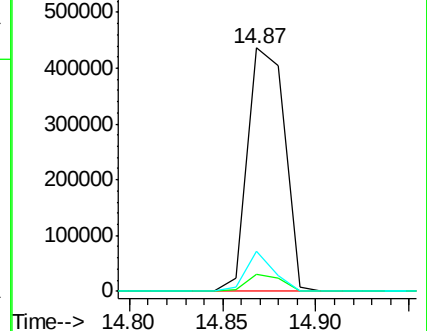
122 16.3 10.3 15.5#



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



#82

Chrysene

Concen: 2.40 ng

RT: 16.21 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

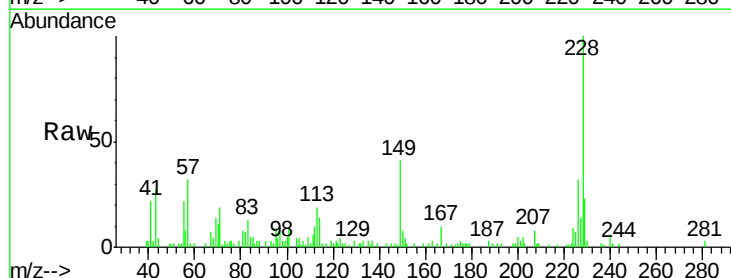
Tgt Ion:228 Resp: 27780

Ion Ratio Lower Upper

228 100

226 32.0 24.9 37.3

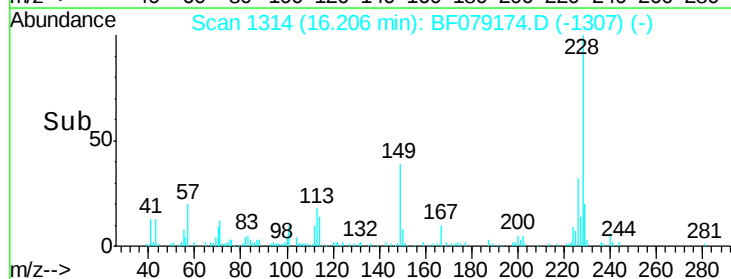
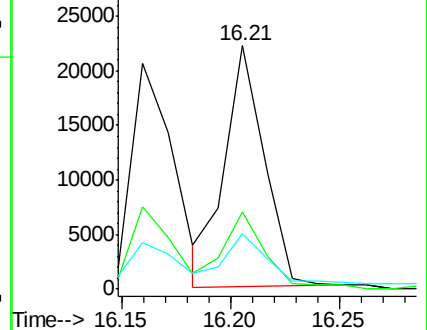
229 22.9 16.0 24.0

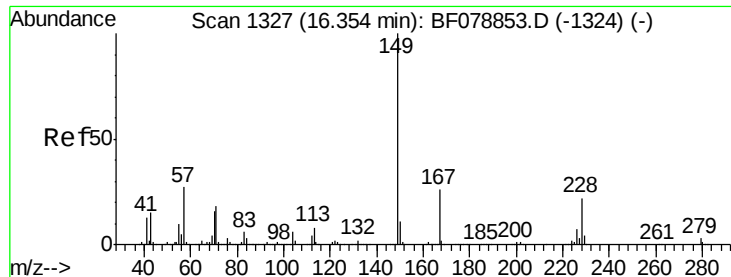


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

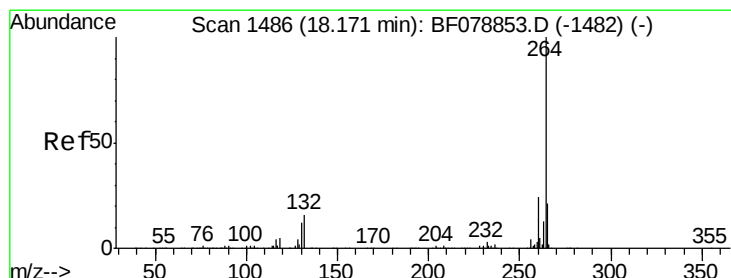
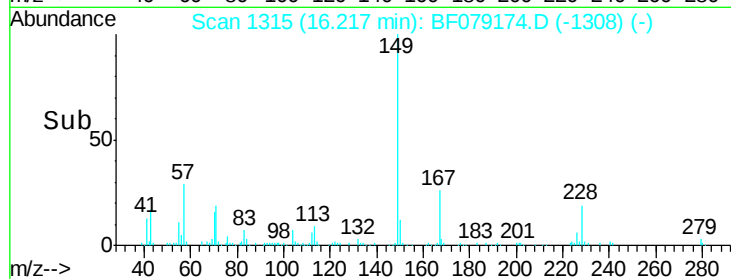
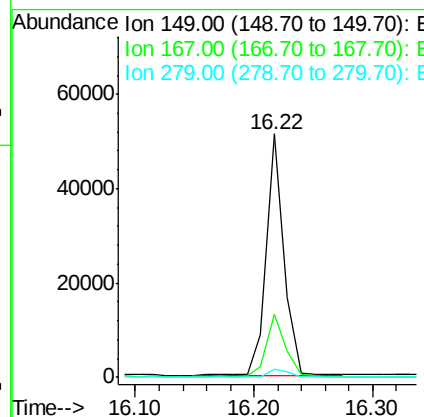
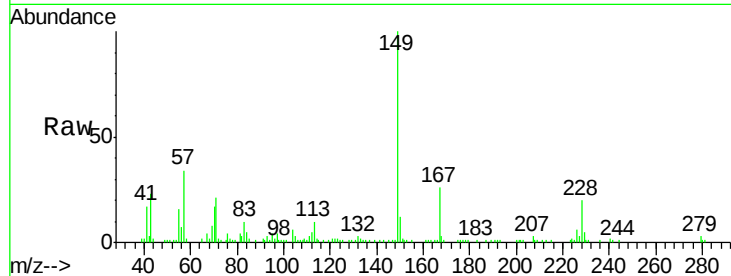




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.40 ng
 RT: 16.22 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

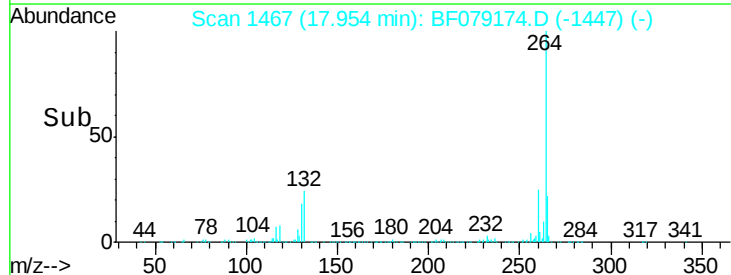
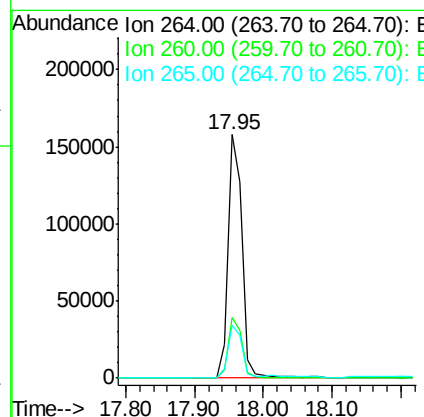
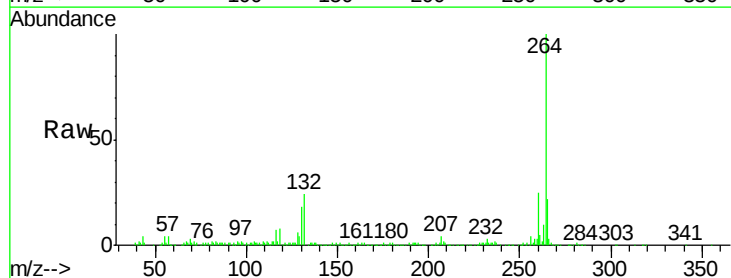
Instrument :
 BNA_F
 ClientSampleId :
 ALMASI-SOIL

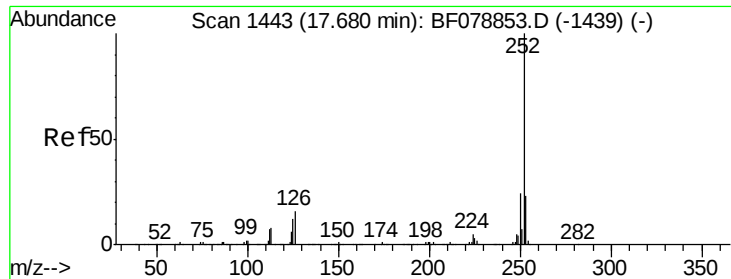
Tgt Ion:149 Resp: 53540
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.8 32.8
 279 3.1 2.9 4.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.95 min Scan# 1467
 Delta R.T. -0.07 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

Tgt Ion:264 Resp: 227657
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.4 29.2
 265 21.9 18.3 27.5





#87

Benzo(b)fluoranthene

Concen: 3.22 ng

RT: 17.50 min Scan# 1427

Delta R.T. -0.05 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

Instrument :

BNA_F

ClientSampleId :

ALMASI-SOIL

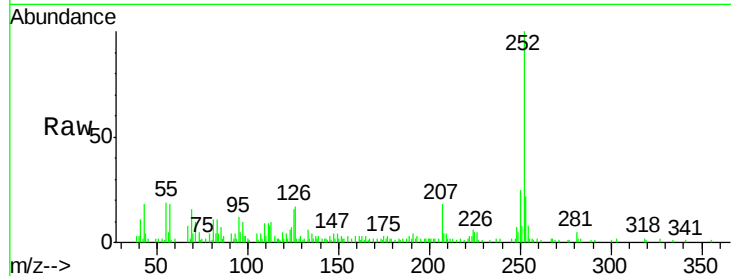
Tgt Ion:252 Resp: 40174

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

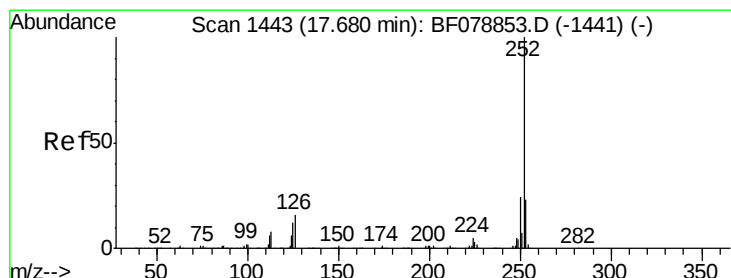
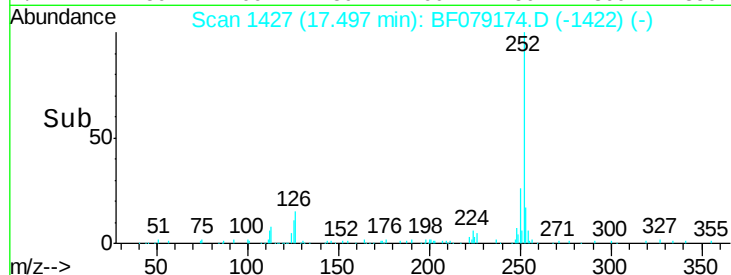
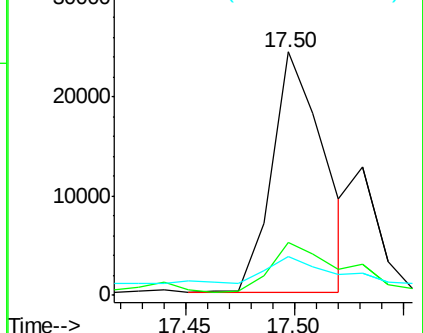
125 15.8 9.5 14.3#



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: 4.26 ng

RT: 17.50 min Scan# 1427

Delta R.T. -0.08 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

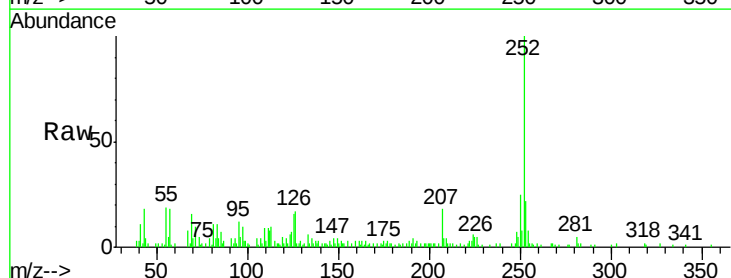
Tgt Ion:252 Resp: 51331

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

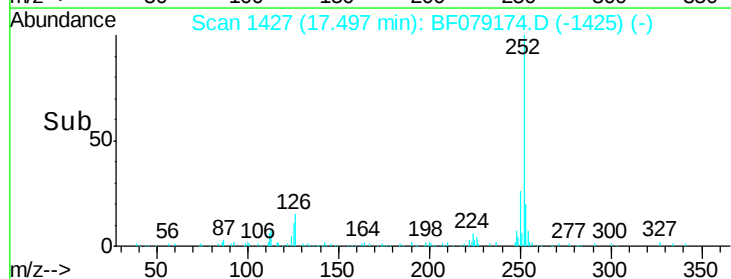
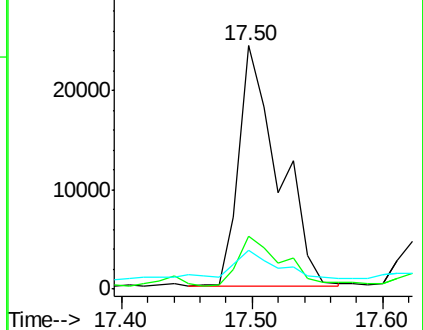
125 15.8 10.0 15.0#

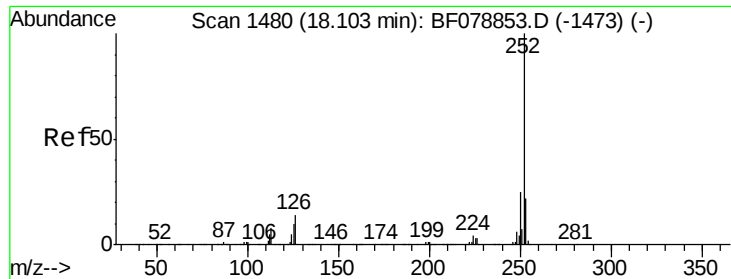


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.25 ng

RT: 17.89 min Scan# 1461

Delta R.T. -0.07 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

Instrument :

BNA_F

ClientSampleId :

ALMASI-SOIL

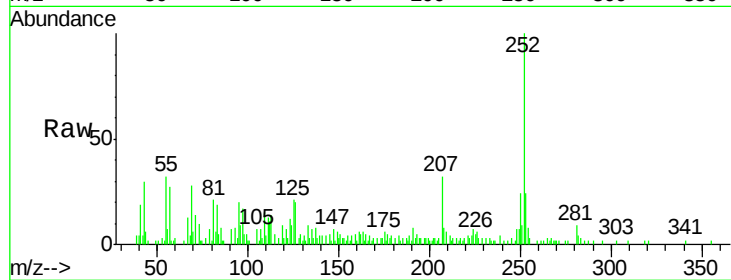
Tgt Ion:252 Resp: 25803

Ion Ratio Lower Upper

252 100

253 24.3 17.3 25.9

125 20.9 7.0 10.6#



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

