

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 02:25:32 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

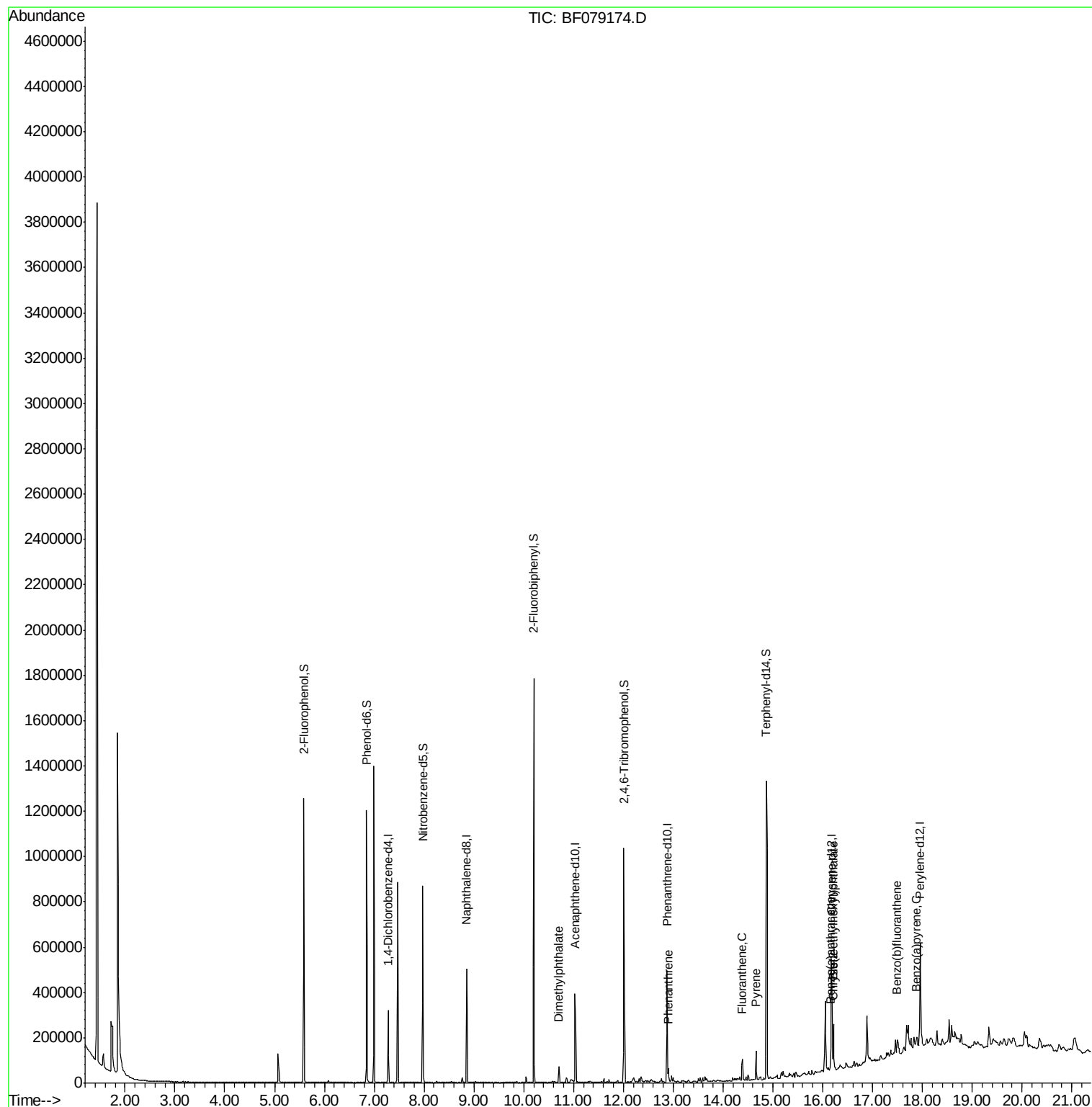
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.71	163	27897	3.66	ng	100
70) Phenanthrene	12.90	178	26590	2.33	ng	99
74) Fluoranthene	14.39	202	51497	4.32	ng	92
77) Pyrene	14.66	202	54400	4.30	ng	97
80) Benzo(a)anthracene	16.16	228	28579m	2.38	ng	
82) Chrysene	16.21	228	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
89) Benzo(a)pyrene	17.89	252	25803	2.25	ng	# 86

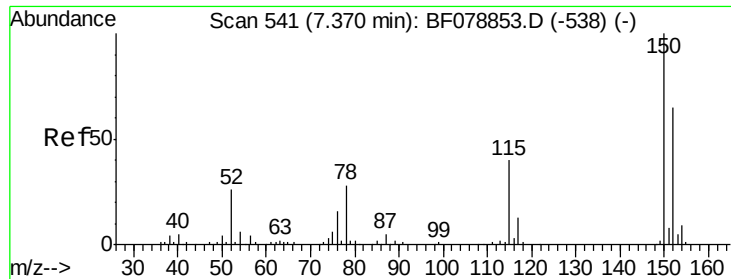
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

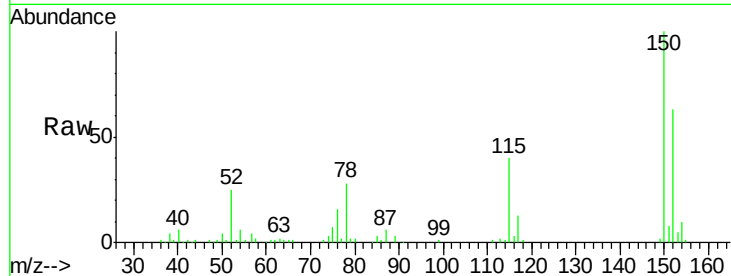
Tot Ion:152 Resp: 53535

Ion Ratio Lower Upper

152 100

150 159.6 122.0 183.0

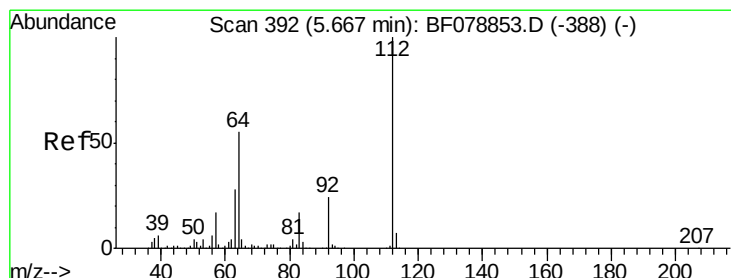
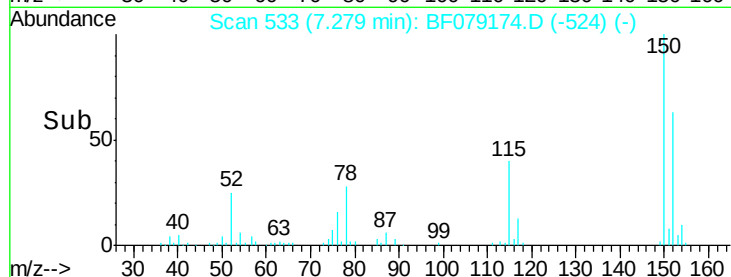
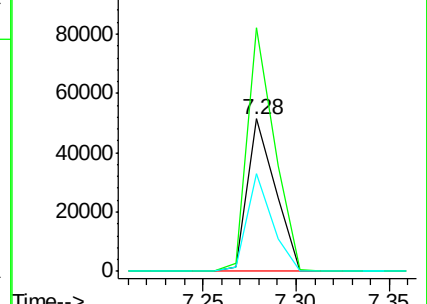
115 63.7 46.3 69.5



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: 125.82 ng

RT: 5.59 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

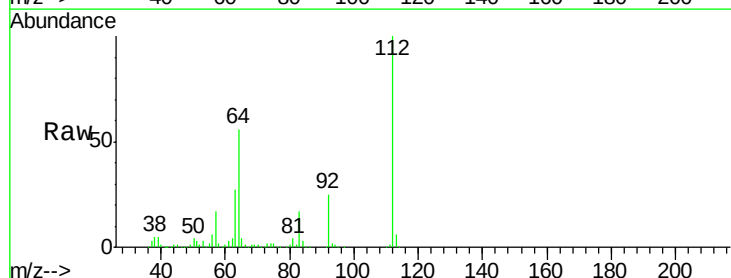
Tgt Ion:112 Resp: 391290

Ion Ratio Lower Upper

112 100

64 55.7 53.5 80.3

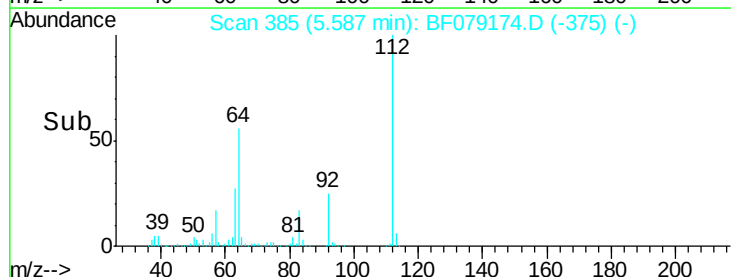
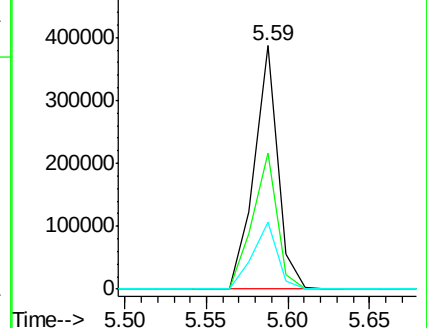
63 27.4 27.5 41.3#

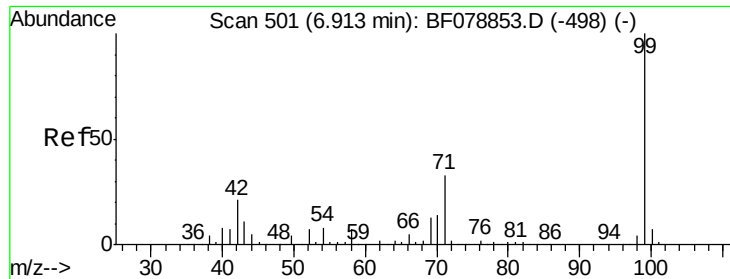


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 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

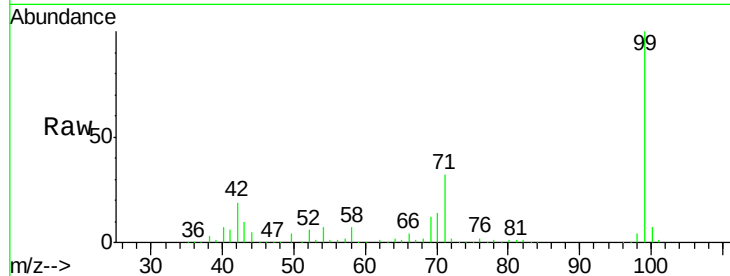
Tot Ion: 99 Resp: 489895

Ion Ratio Lower Upper

99 100

42 18.7 12.8 19.2

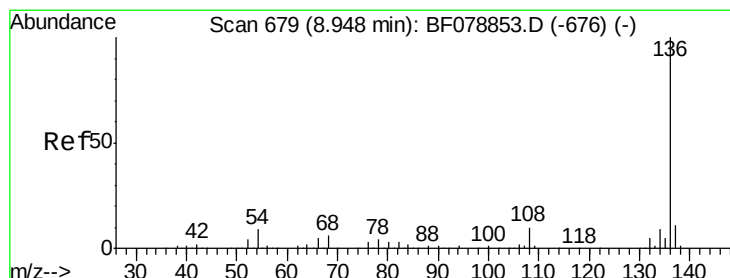
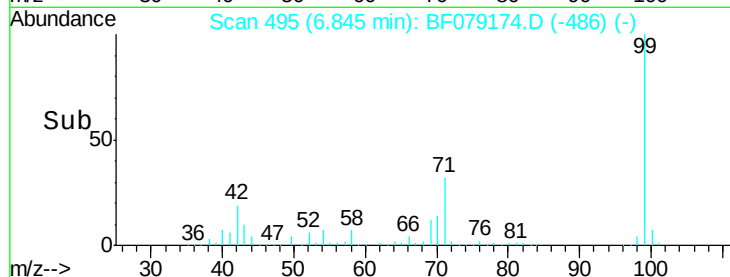
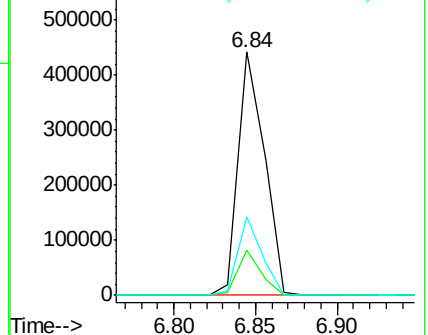
71 32.1 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)



#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

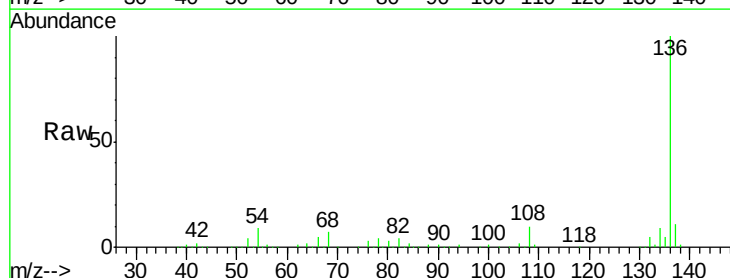
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.6 5.8 8.8

68 6.6 4.2 6.4#

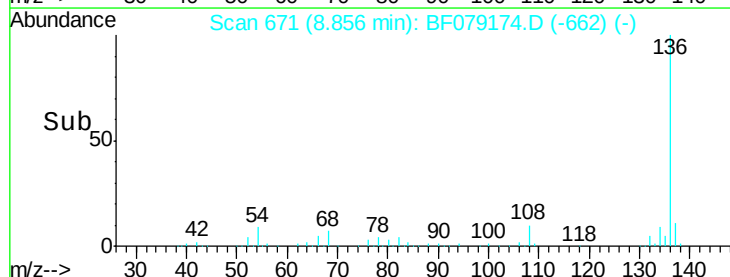
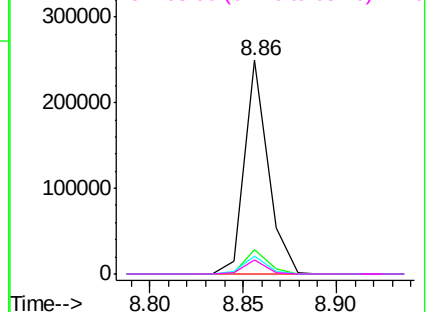


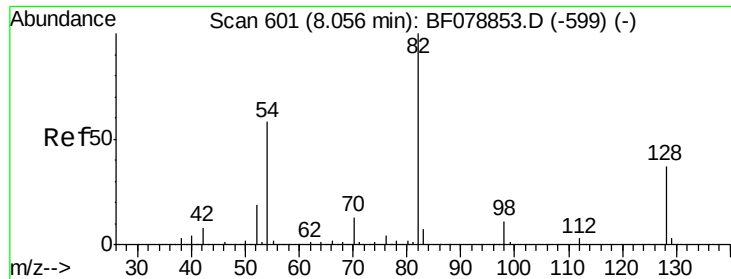
Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

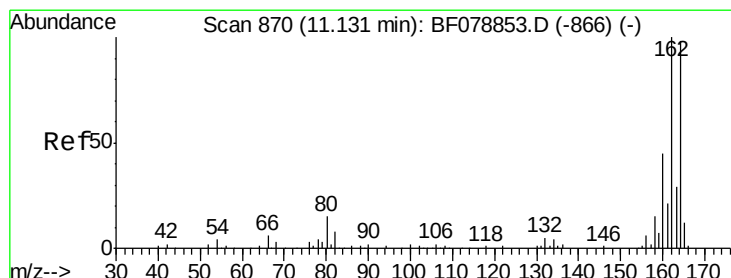
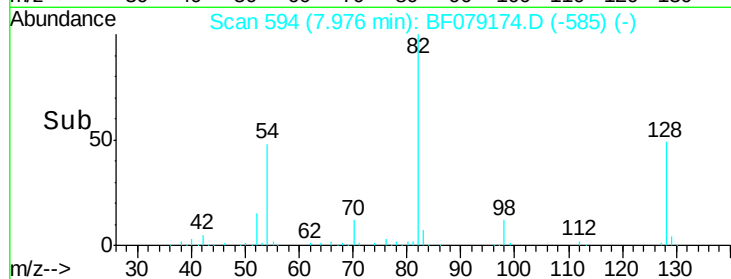
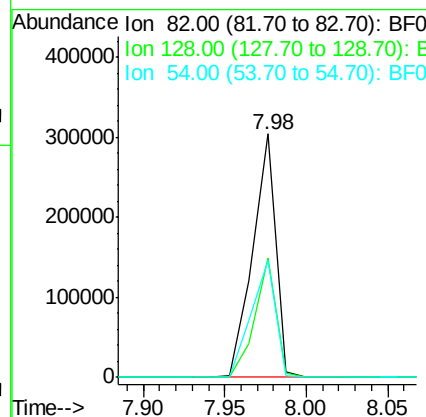
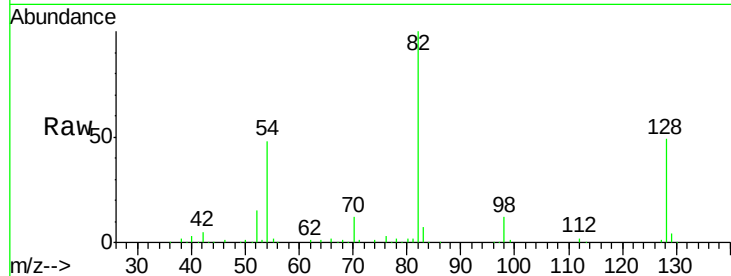




#23
 Nitrobenzene-d5
 Concen: 78.17 ng
 RT: 7.98 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

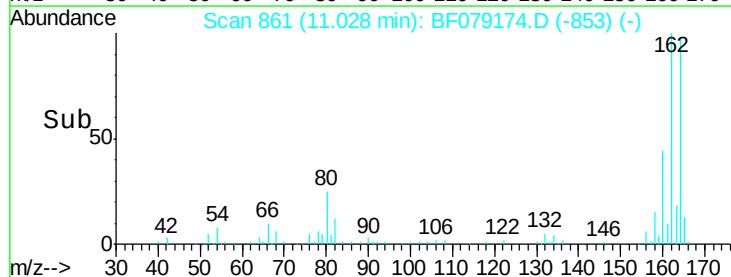
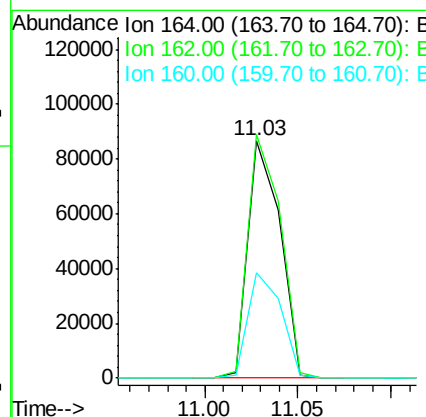
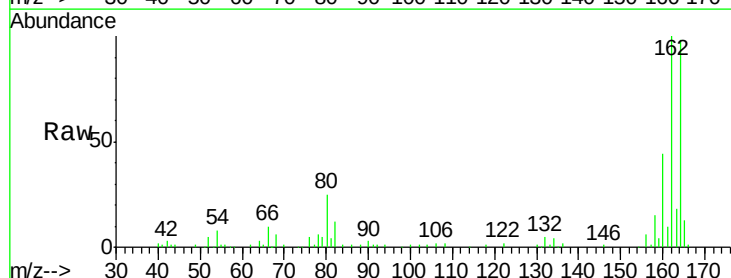
Instrument :
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 ClientSampleId :
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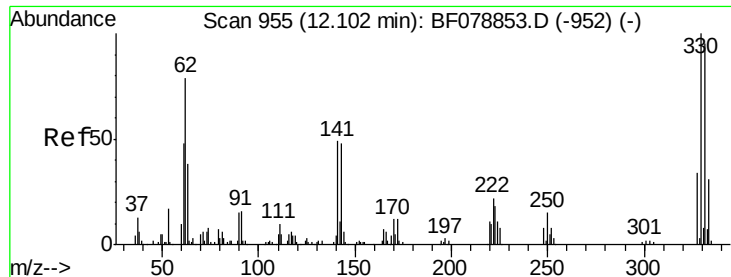
Tot Ion	82	Resp	298133
Ion Ratio	100		
Lower		30.0	45.0#
Upper		46.4	69.6



#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	164	Resp	103726
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower		82.7	124.1
Upper		35.8	53.8

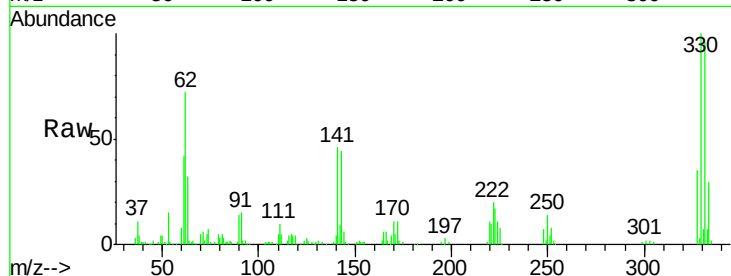




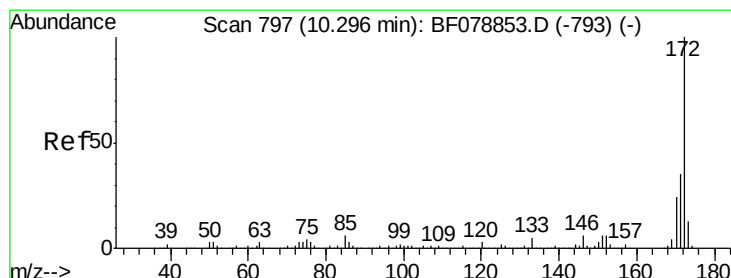
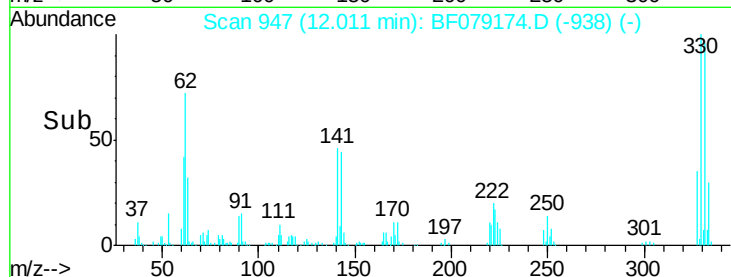
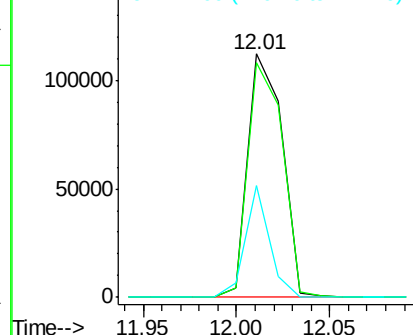
#41
 2,4,6-Tribromophenol
 Concen: 128.31 ng
 RT: 12.01 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

Instrument :
 BNA_F
 ClientSampleId :
 ALMASI-SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	0.0	0.0#
141	32.7	0.0	0.0#

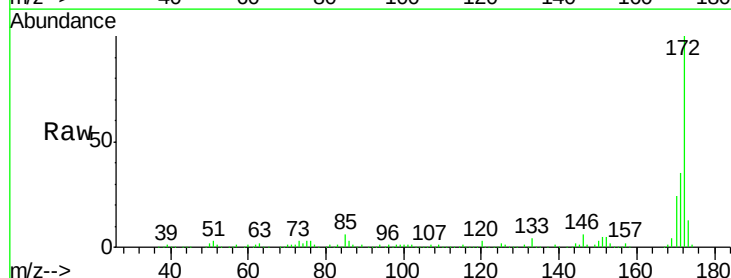


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

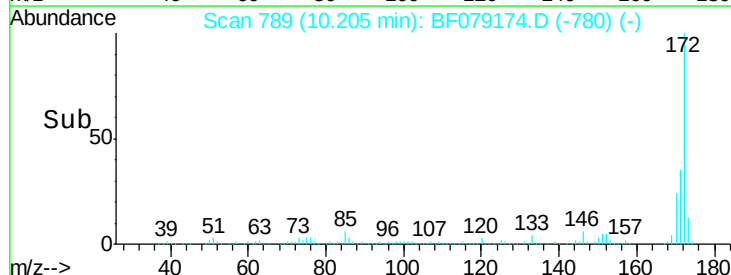
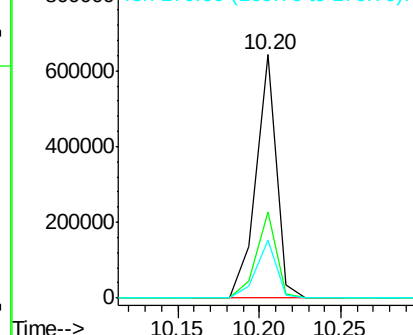


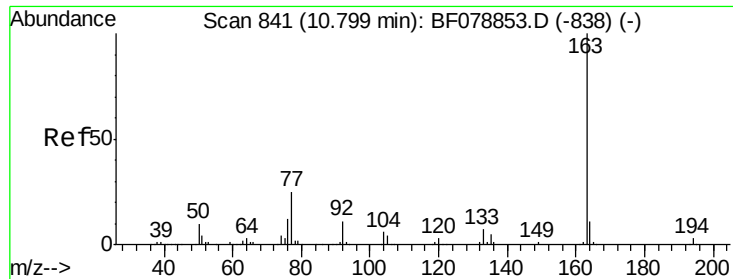
#44
 2-Fluorobiphenyl
 Concen: 75.31 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079174.D
 Acq: 12 May 2015 23:06

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



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

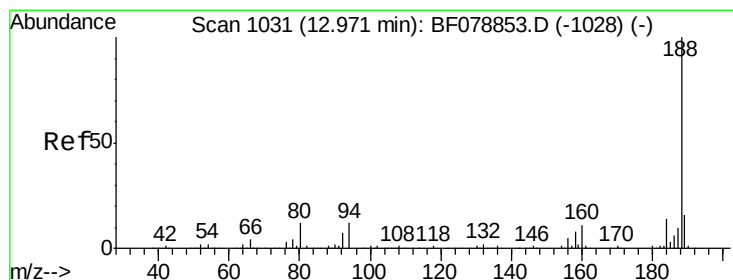
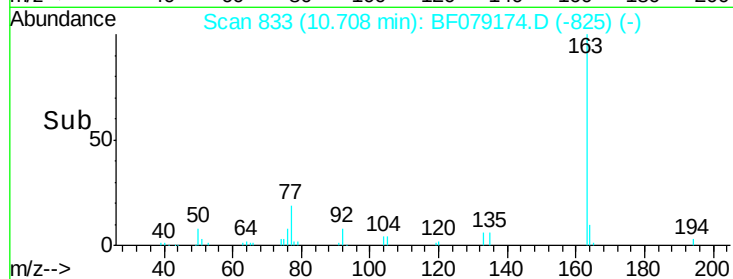
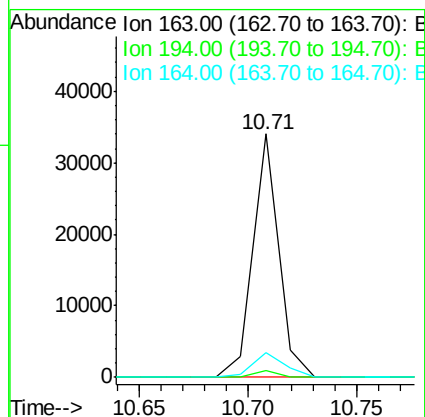
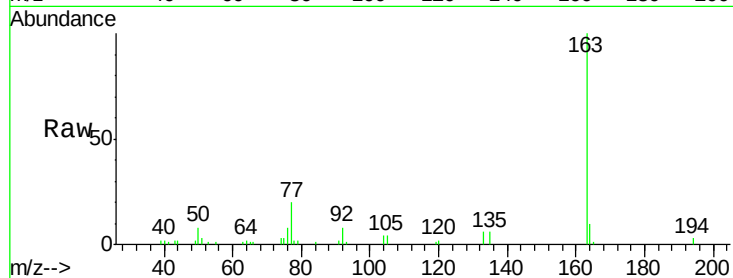




#49
Dimethylphthalate
Concen: 3.66 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF079174.D
Acq: 12 May 2015 23:06

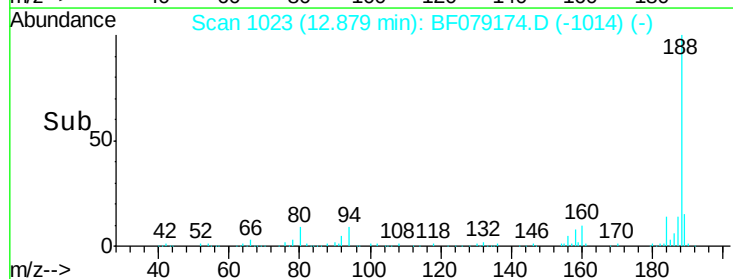
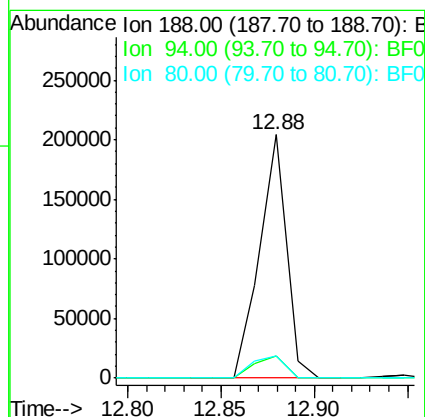
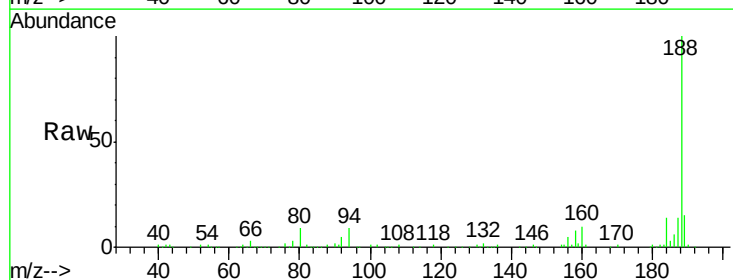
Instrument :
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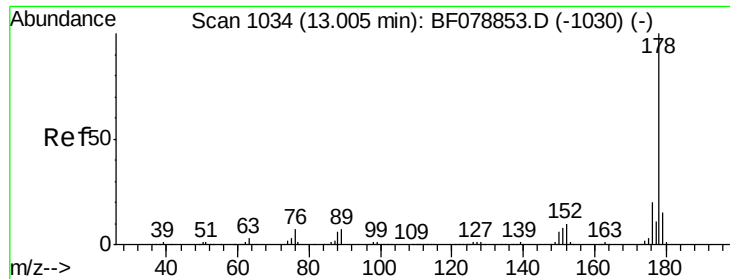
Tot Ion:163 Resp: 27897
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 10.1 8.1 12.1



#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

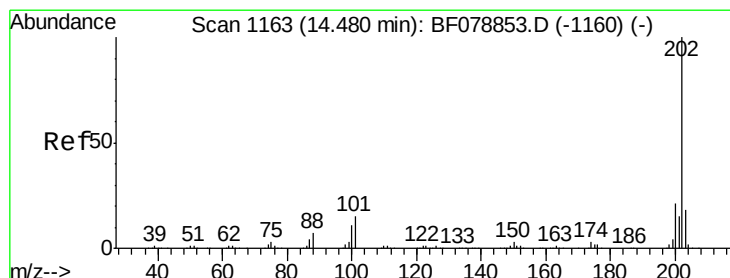
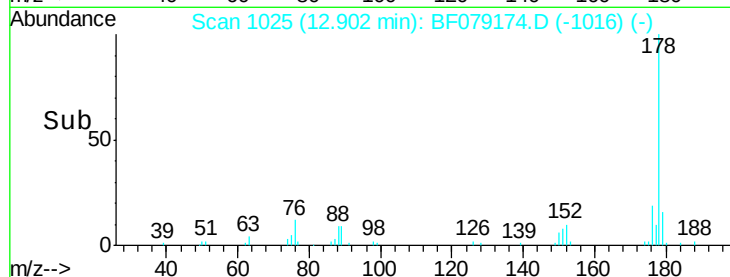
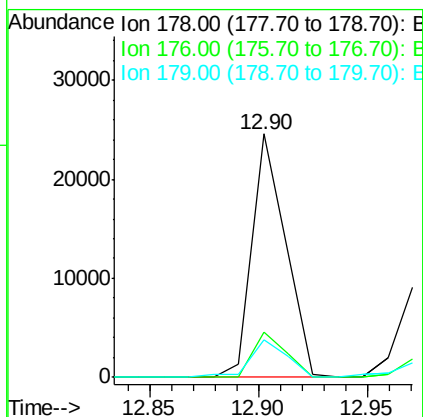
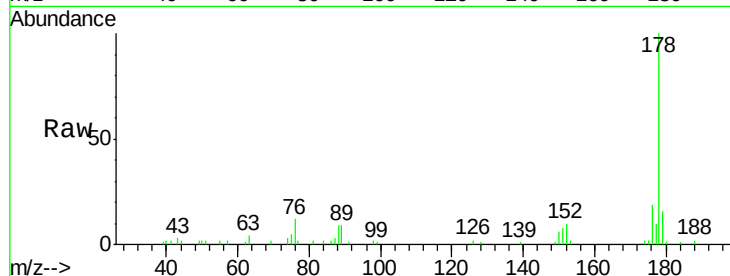




#70
Phenanthrene
Concen: 2.33 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF079174.D
Acq: 12 May 2015 23:06

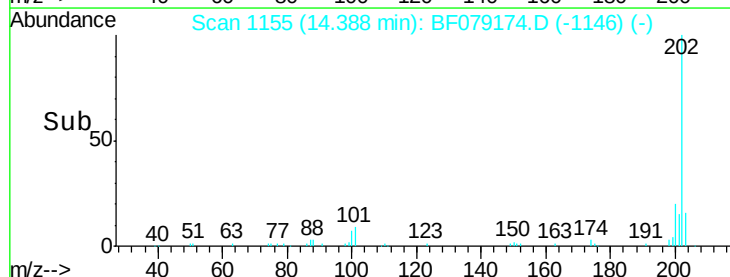
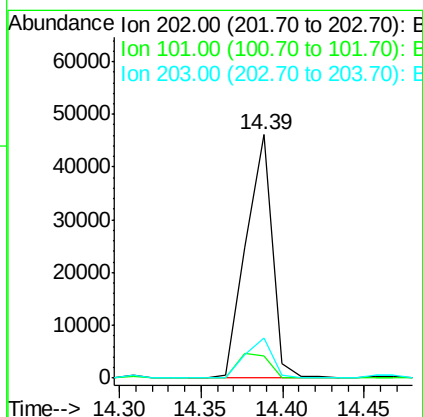
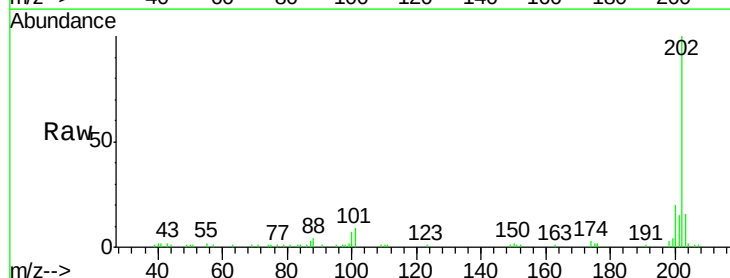
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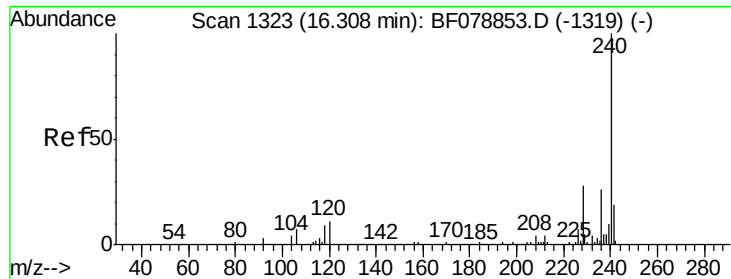
Tot Ion:178 Resp: 26590
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.6 12.5 18.7



#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





#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

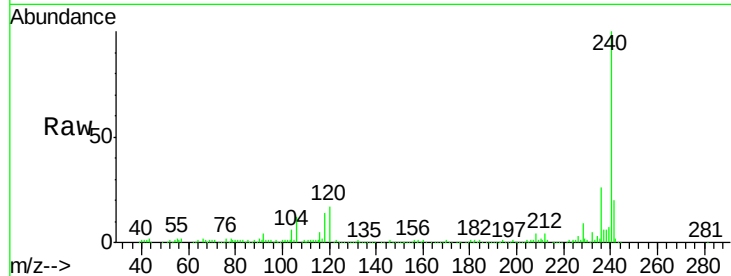
Tot Ion:240 Resp: 219312

Ion Ratio Lower Upper

240 100

120 17.0 9.7 14.5#

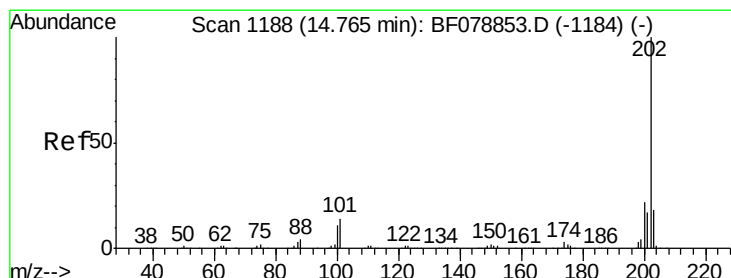
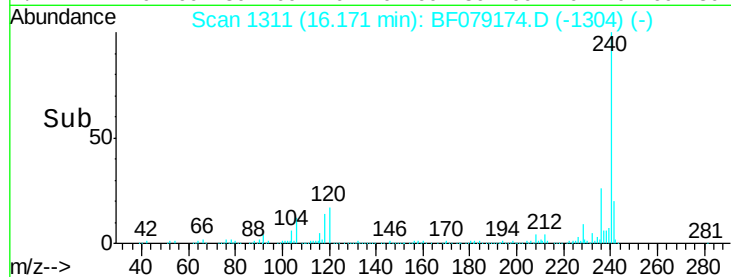
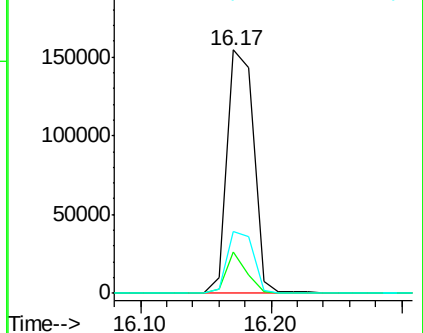
236 25.5 20.2 30.4



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

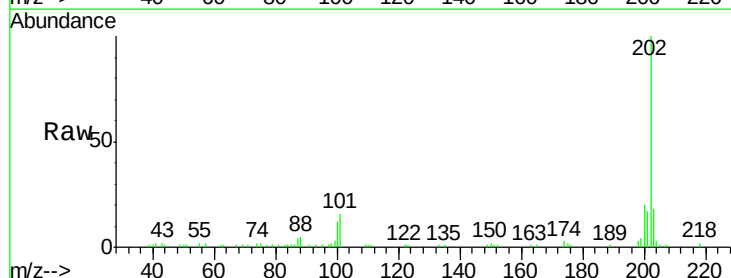
Tgt Ion:202 Resp: 54400

Ion Ratio Lower Upper

202 100

200 19.8 17.5 26.3

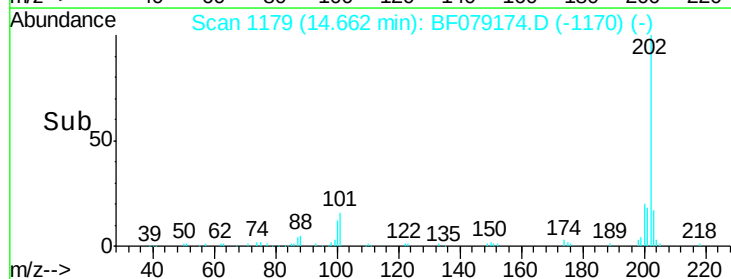
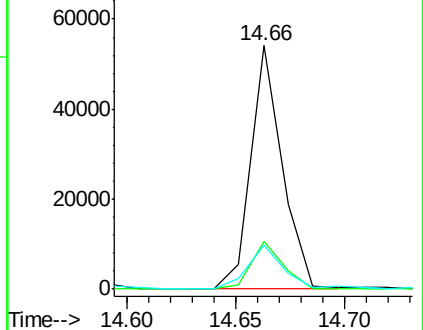
203 18.3 13.9 20.9

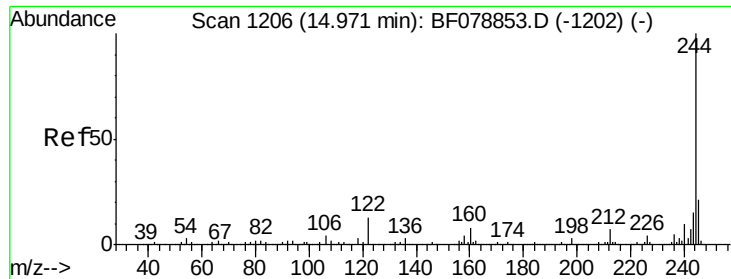


Abundance Ion 202.00 (201.70 to 202.70): E

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

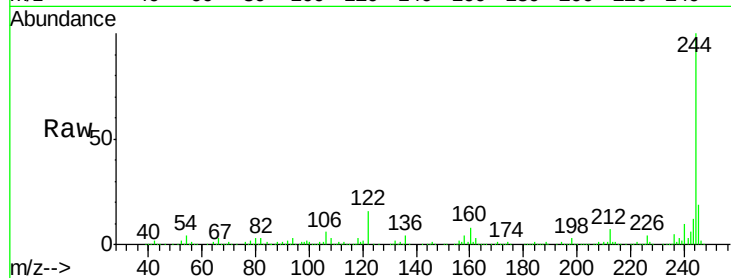
Tot Ion:244 Resp: 600144

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

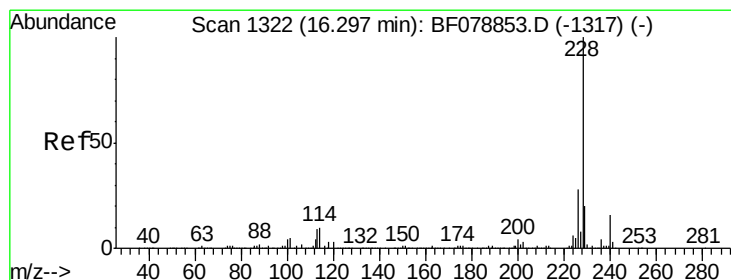
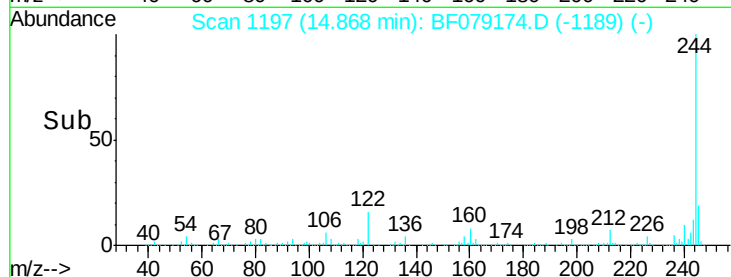
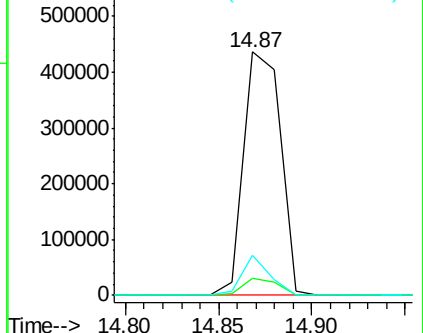
122 16.3 10.3 15.5#



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



#80

Benzo(a)anthracene

Concen: 2.38 ng m

RT: 16.16 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF079174.D

Acq: 12 May 2015 23:06

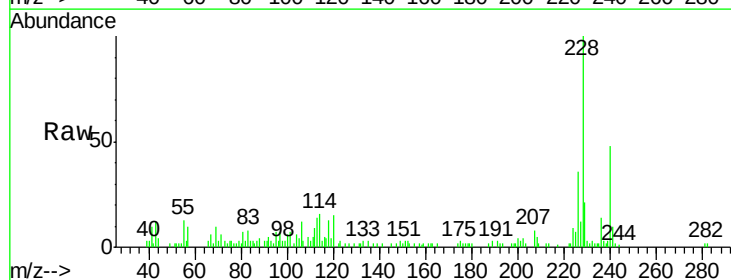
Tgt Ion:228 Resp: 28579

Ion Ratio Lower Upper

228 100

226 36.3 22.6 33.8#

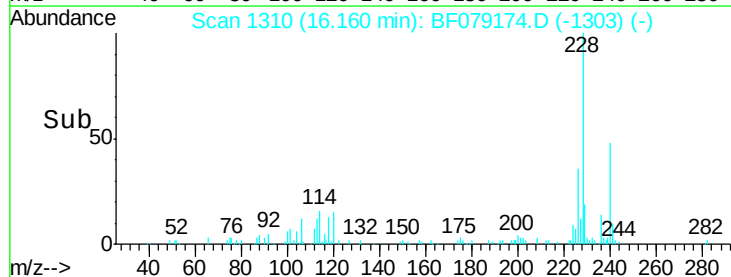
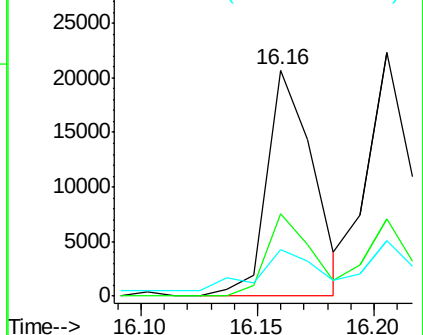
229 20.5 15.9 23.9

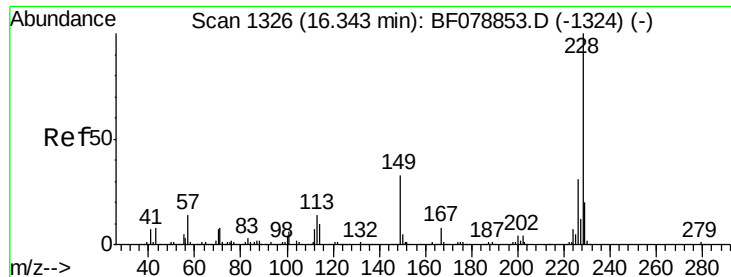


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

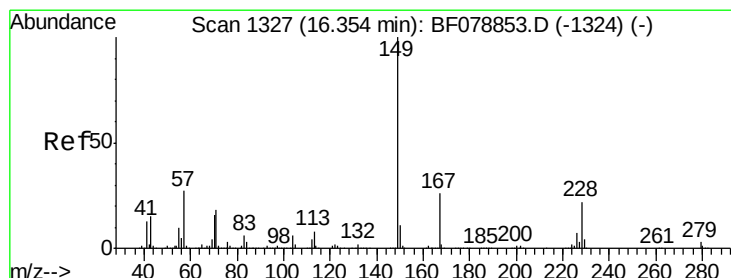
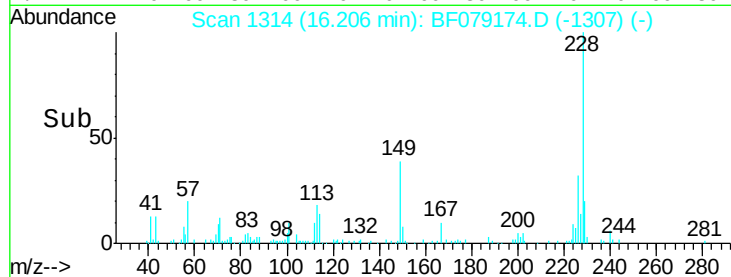
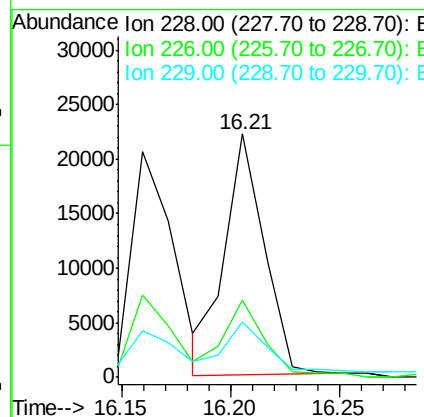
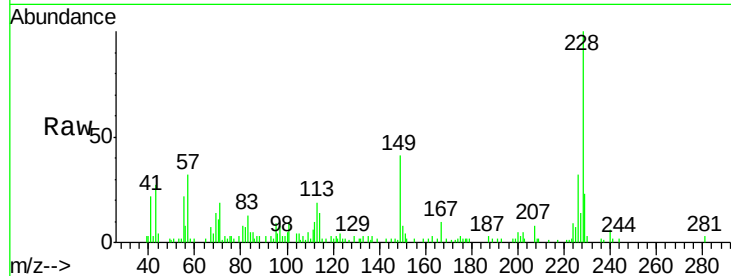




#82
Chrysene
Concen: 2.40 ng
RT: 16.21 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF079174.D
Acq: 12 May 2015 23:06

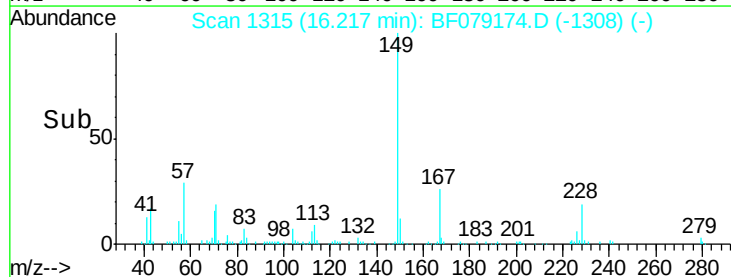
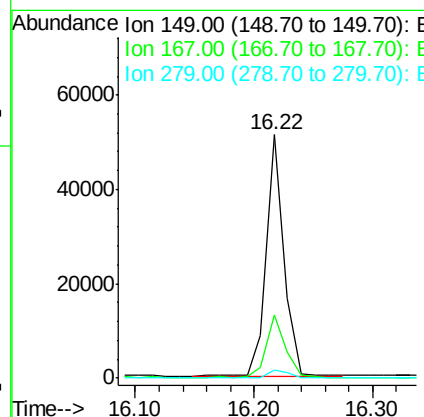
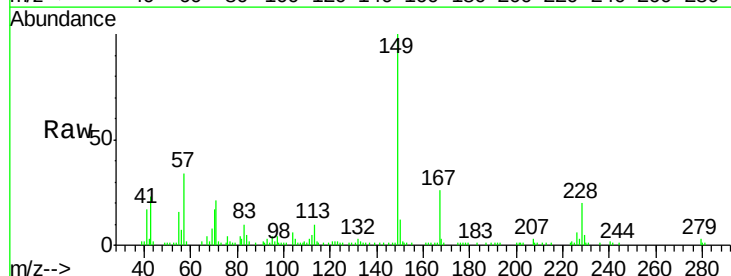
Instrument :
BNA_F
ClientSampleId :
ALMASI-SOIL

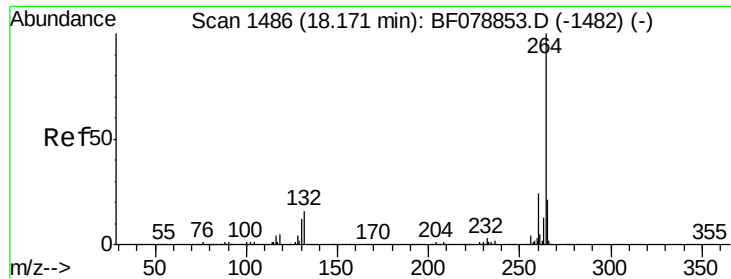
Tot Ion:228 Resp: 27780
Ion Ratio Lower Upper
228 100
226 32.0 24.9 37.3
229 22.9 16.0 24.0



#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

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

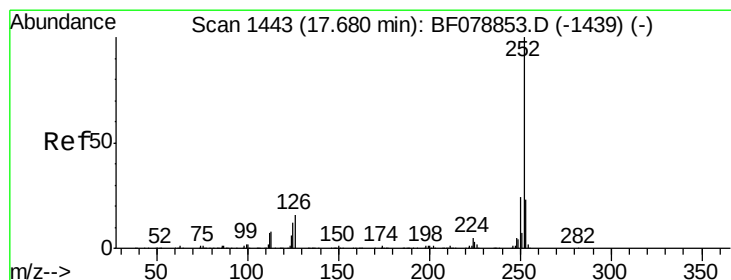
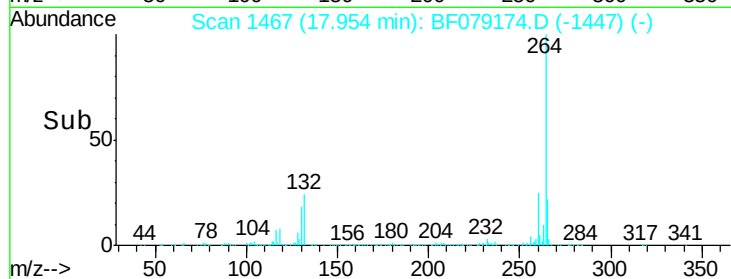
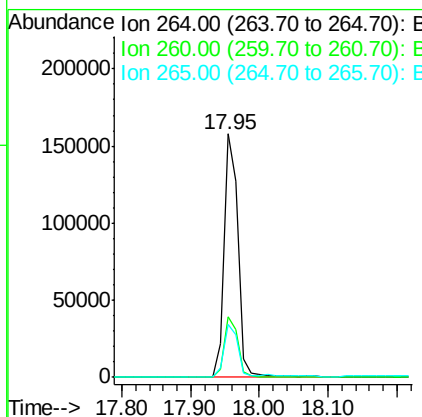
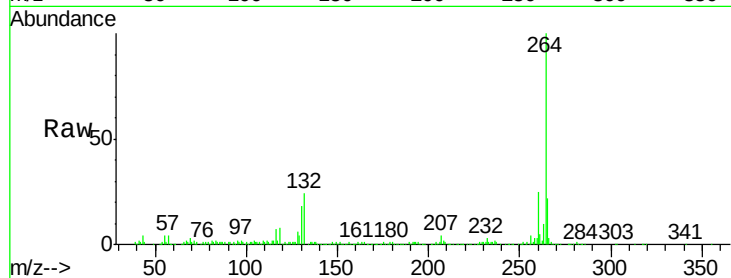




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.95 min Scan# 1467
Delta R.T. -0.07 min
Lab File: BF079174.D
Acq: 12 May 2015 23:06

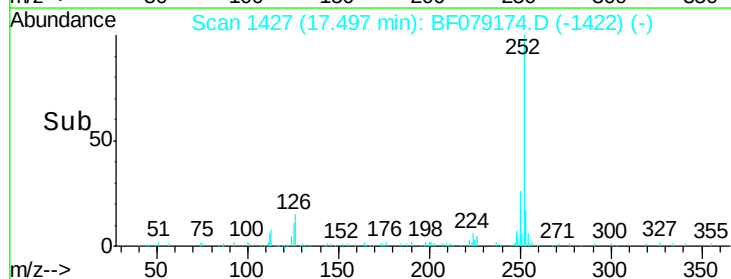
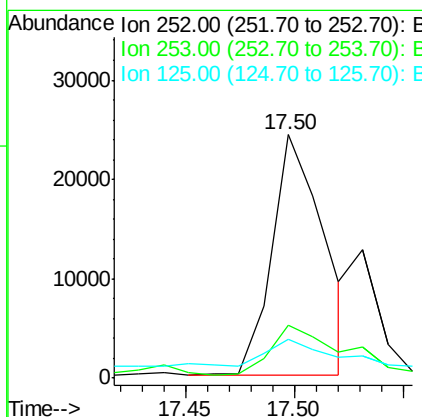
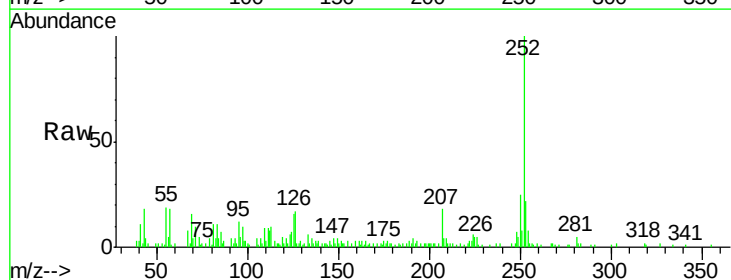
Instrument :
BNA_F
ClientSampleId :
ALMASI-SOIL

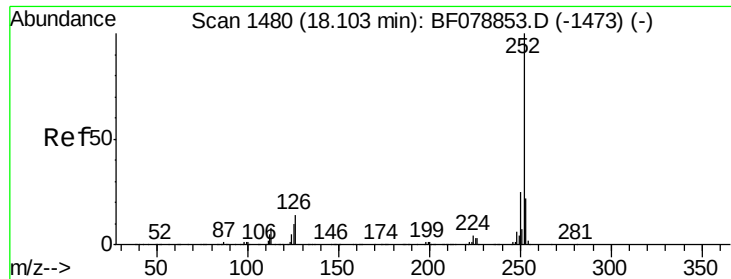
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	21.9	18.3	27.5



#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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	15.8	9.5	14.3





#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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	20.9	7.0	10.6

