

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
 Data File : BF082053.D
 Acq On : 5 Oct 2015 19:27
 Operator : UM/IZ
 Sample : G3892-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-SAMPLE

Manual Integrations
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Quant Time: Oct 05 20:02:39 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	101540	20.00	ng	-0.06
21) Naphthalene-d8	8.17	136	396552	20.00	ng	-0.05
38) Acenaphthene-d10	9.92	164	178540	20.00	ng	-0.06
63) Phenanthrene-d10	11.42	188	332389	20.00	ng	-0.05
75) Chrysene-d12	14.06	240	238150	20.00	ng	-0.06
86) Perylene-d12	15.51	264	217238	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	844636	151.00	ng	-0.03
7) Phenol-d6	6.51	99	1029066	146.21	ng	-0.05
23) Nitrobenzene-d5	7.45	82	662595	111.38	ng	-0.05
41) 2,4,6-Tribromophenol	10.72	330	297980	164.80	ng	-0.05
44) 2-Fluorobiphenyl	9.25	172	1159412	117.10	ng	-0.06
78) Terphenyl-d14	13.01	244	1060778	-20.00	ng	-0.05
Target Compounds						Qvalue
48) Acenaphthylene	9.78	152	85823	4.96	ng	98
49) Dimethylphthalate	9.65	163	323175	26.22	ng	# 97
70) Phenanthrene	11.44	178	633389	39.39	ng	97
71) Anthracene	11.49	178	131463	7.78	ng	99
72) Carbazole	11.65	167	81670	5.34	ng	95
74) Fluoranthene	12.63	202	986454	55.40	ng	91
77) Pyrene	12.86	202	779491	54.79	ng	95
80) Benzo(a)anthracene	14.05	228	452005	35.25	ng	# 90
82) Chrysene	14.08	228	343048	25.25	ng	93
83) Bis(2-ethylhexyl)phthalate	14.04	149	13880m	2.07	ng	
85) Indeno(1,2,3-cd)pyrene	16.94	276	203487	20.28	ng	# 83
87) Benzo(b)fluoranthene	15.09	252	562726m	45.37	ng	
88) Benzo(k)fluoranthene	15.11	252	118354m	10.41	ng	
89) Benzo(a)pyrene	15.45	252	328286	30.51	ng	# 82
90) Dibenzo(a,h)anthracene	16.95	278	43353m	4.80	ng	
91) Benzo(g,h,i)perylene	17.37	276	168766	18.24	ng	# 75

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

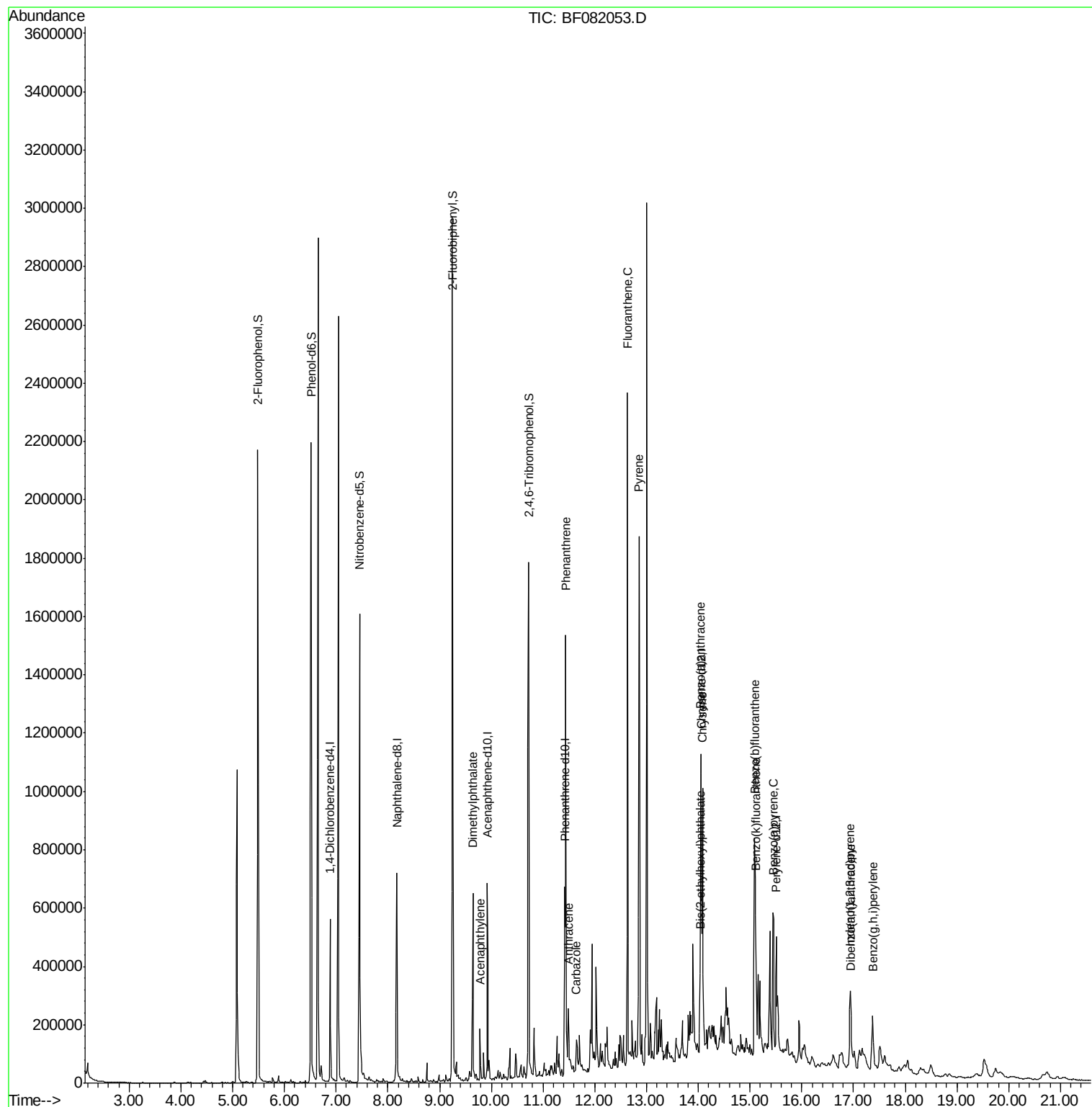
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
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Operator : UM/IZ
Sample : G3892-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

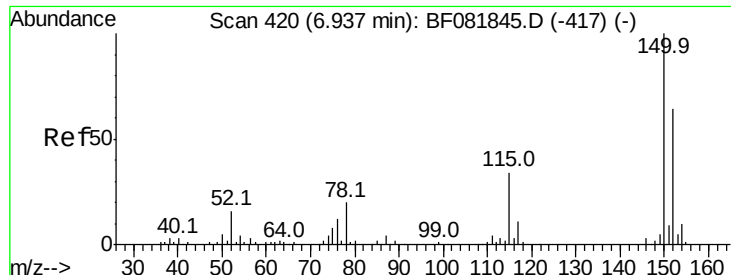
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 415

Delta R.T. -0.06 min

Lab File: BF082053.D

Acq: 5 Oct 2015 19:27

Instrument :

BNA_F

ClientSampleId :

TOP-SOIL-SAMPLE

Tot Ion:152 Resp: 101540

Ion Ratio Lower Upper

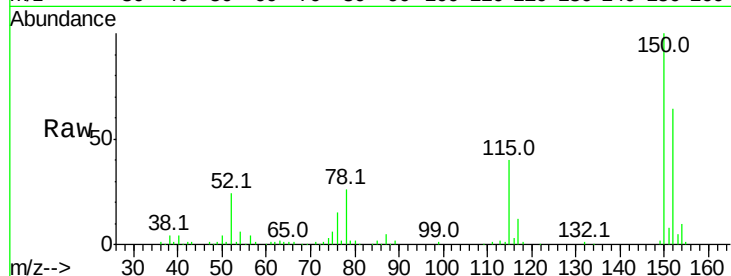
152 100

150 157.0 124.7 187.1

115 63.4 39.0 58.4#

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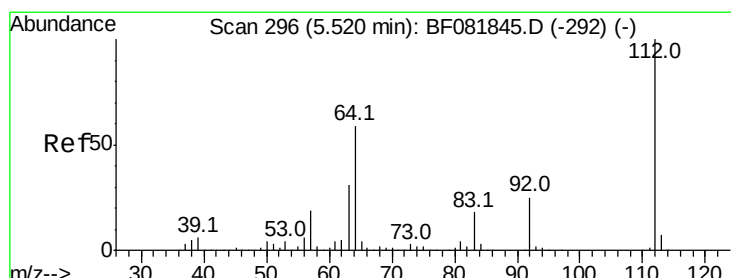
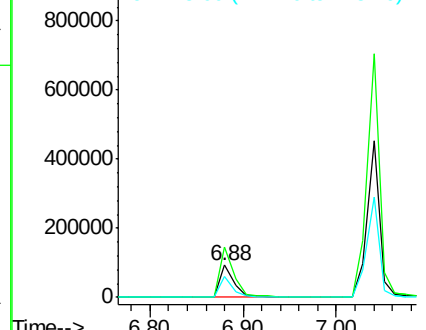
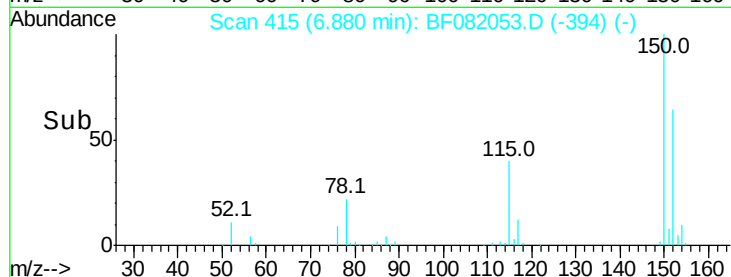
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 151.00 ng

RT: 5.49 min Scan# 293

Delta R.T. -0.03 min

Lab File: BF082053.D

Acq: 5 Oct 2015 19:27

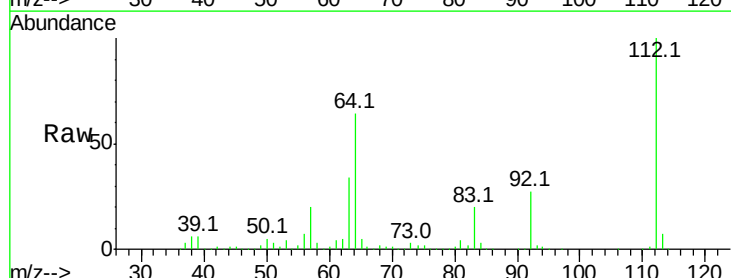
Tgt Ion:112 Resp: 844636

Ion Ratio Lower Upper

112 100

64 64.5 39.7 59.5#

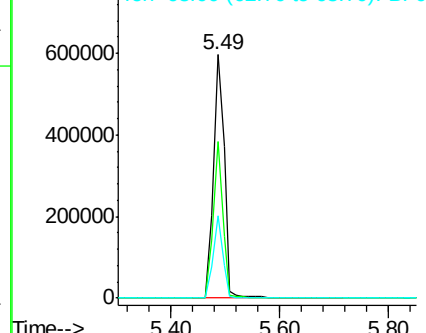
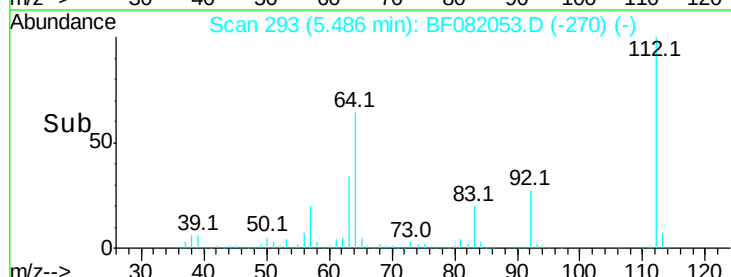
63 33.7 17.4 26.0#

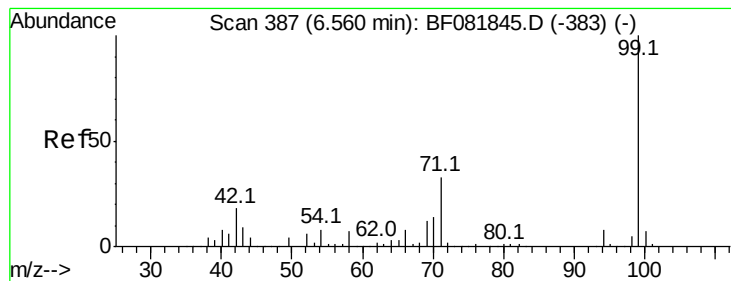


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 146.21 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF082053.D

Acq: 5 Oct 2015 19:27

Instrument :

BNA_F

ClientSampleId :

TOP-SOIL-SAMPLE

Tot Ion: 99 Resp: 1029066

Ion Ratio Lower Upper

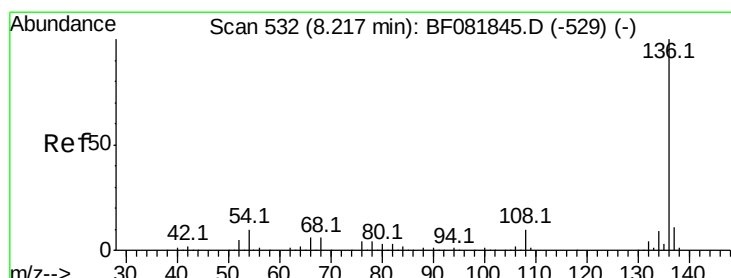
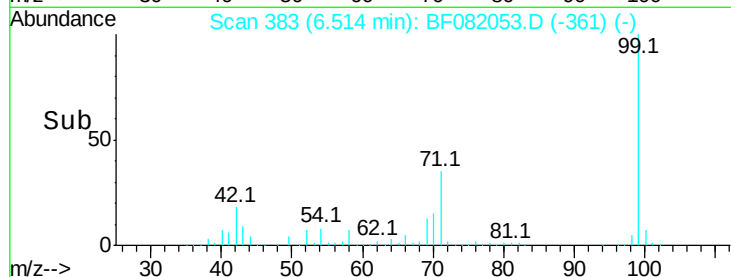
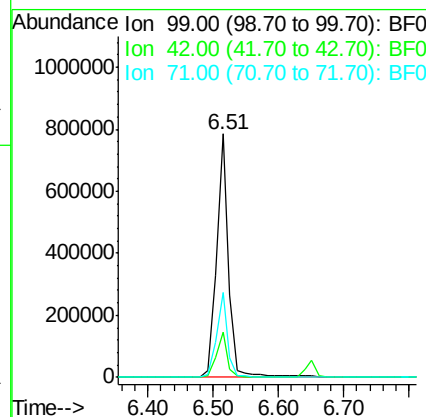
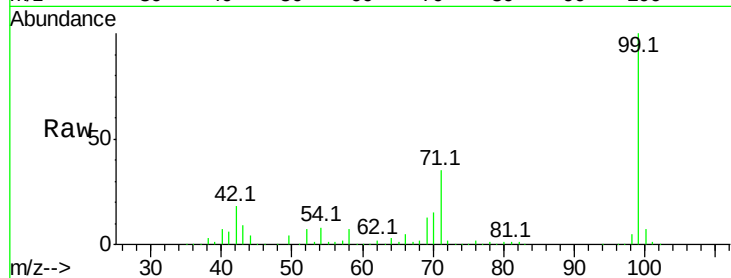
99 100

42 18.4 13.7 20.5

71 35.0 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF082053.D

Acq: 5 Oct 2015 19:27

Tgt Ion: 136 Resp: 396552

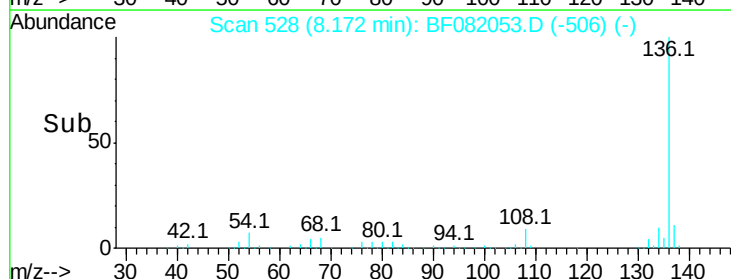
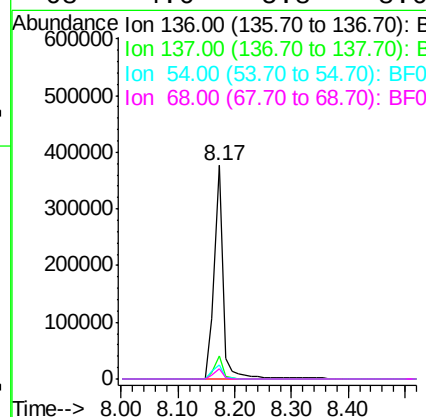
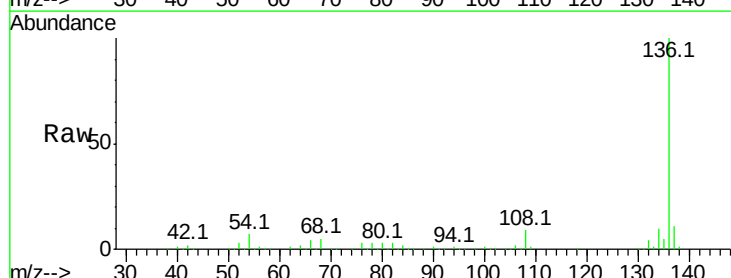
Ion Ratio Lower Upper

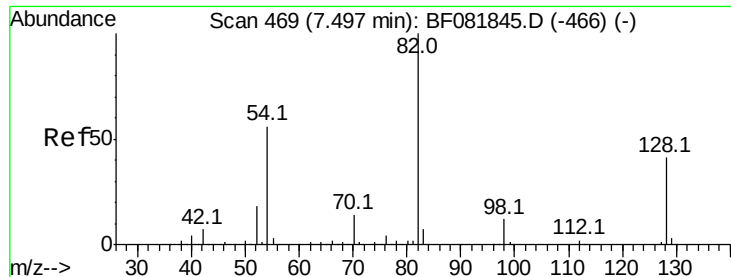
136 100

137 10.8 9.0 13.6

54 6.7 8.2 12.2#

68 4.6 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 111.38 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.05 min

Lab File: BF082053.D

Acq: 5 Oct 2015 19:27

Instrument :

BNA_F

ClientSampleId :

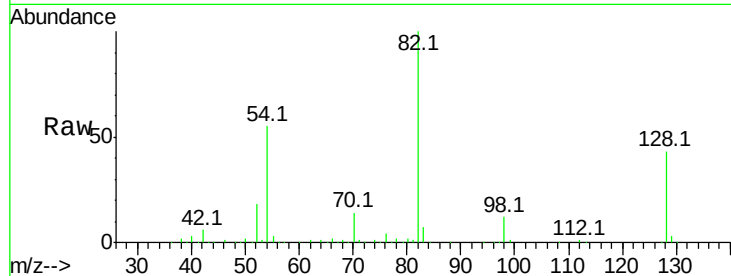
TOP-SOIL-SAMPLE

Tot Ion: 82 Resp: 662595
Ion Ratio Lower Upper

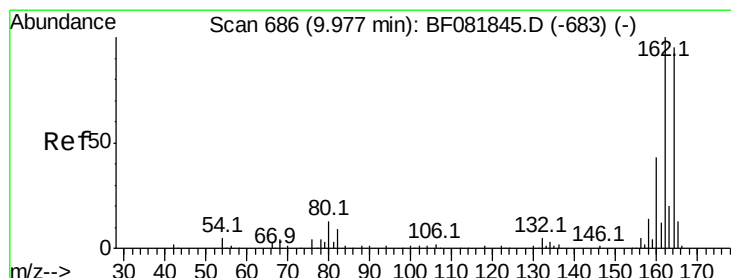
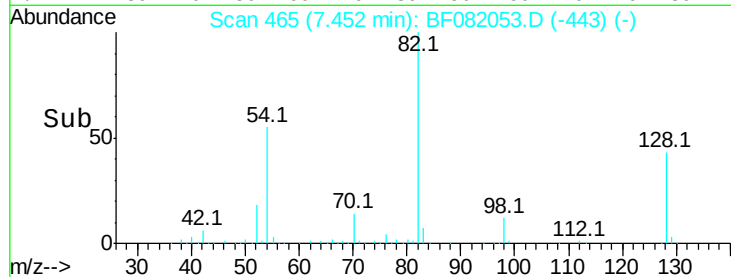
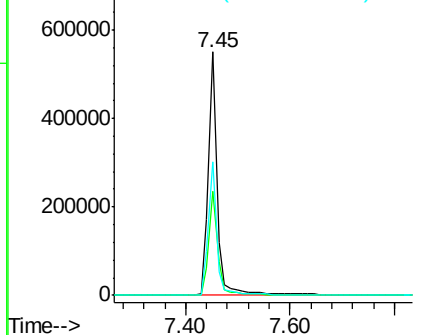
82	100		
128	42.8	51.0	76.6#
54	54.8	47.5	71.3

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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: 9.92 min Scan# 681

Delta R.T. -0.06 min

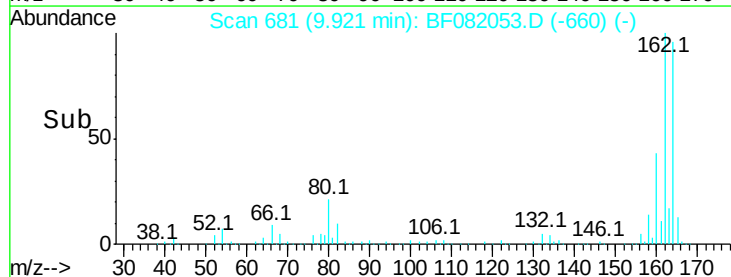
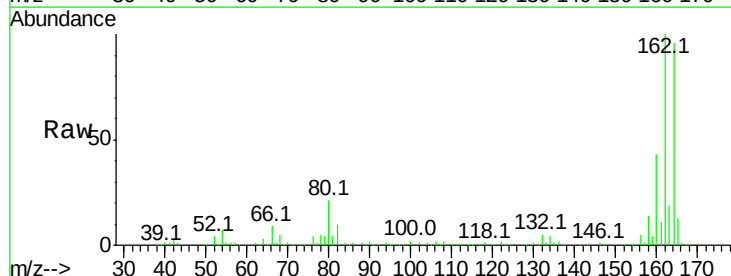
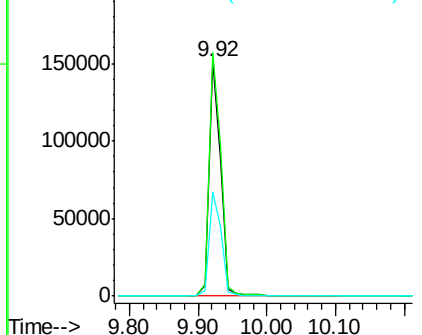
Lab File: BF082053.D

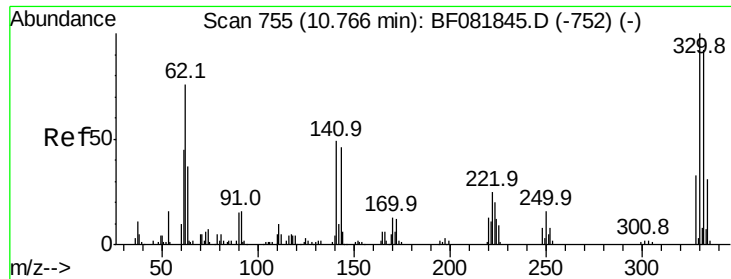
Acq: 5 Oct 2015 19:27

Tgt Ion:164 Resp: 178540
Ion Ratio Lower Upper

164	100		
162	103.9	75.2	112.8
160	44.5	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





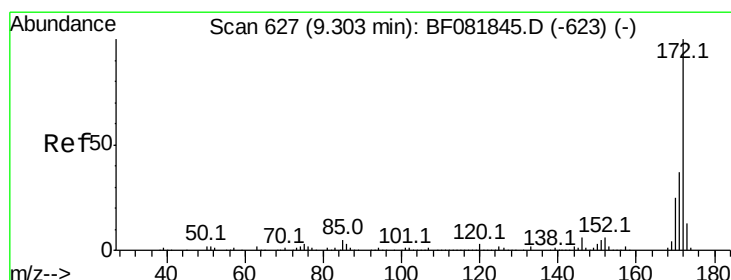
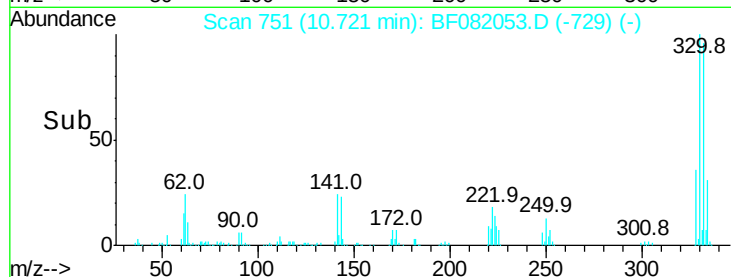
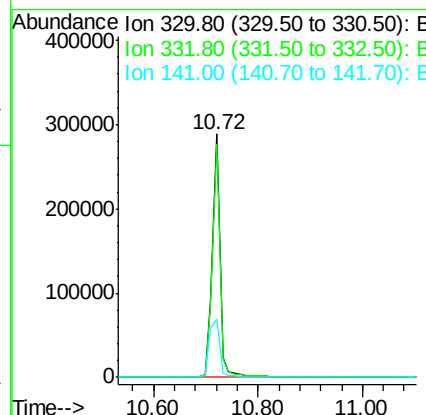
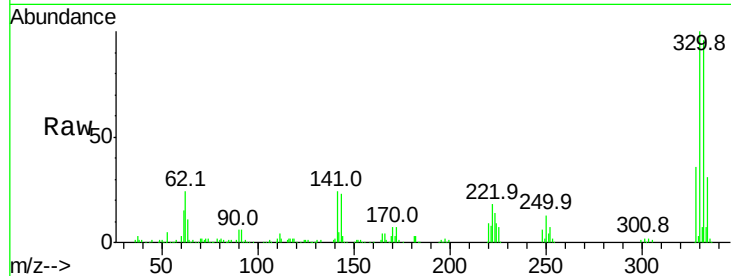
#41
 2,4,6-Tribromophenol
 Concen: 164.80 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.05 min
 Lab File: BF082053.D
 Acq: 5 Oct 2015 19:27

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-SAMPLE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	297980		
332	95.7	76.6	114.8	
141	32.9	29.7	44.5	

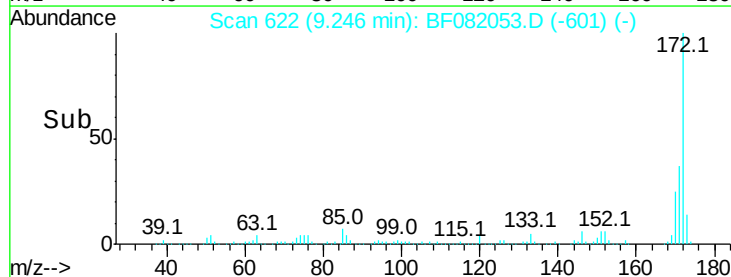
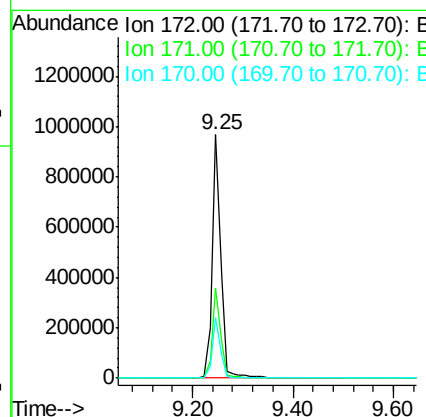
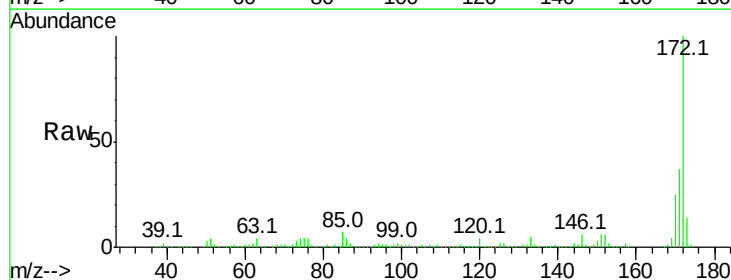
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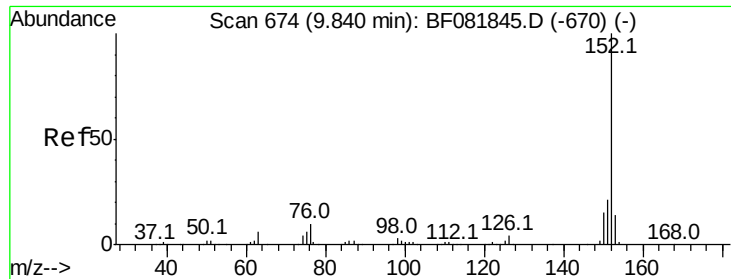
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#44
 2-Fluorobiphenyl
 Concen: 117.10 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.06 min
 Lab File: BF082053.D
 Acq: 5 Oct 2015 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1159412		
171	36.9	26.1	39.1	
170	25.0	17.4	26.2	





#48

Acenaphthylene

Concen: 4.96 ng

RT: 9.78 min Scan# 669

Delta R.T. -0.06 min

Lab File: BF082053.D

Acq: 5 Oct 2015 19:27

Instrument :

BNA_F

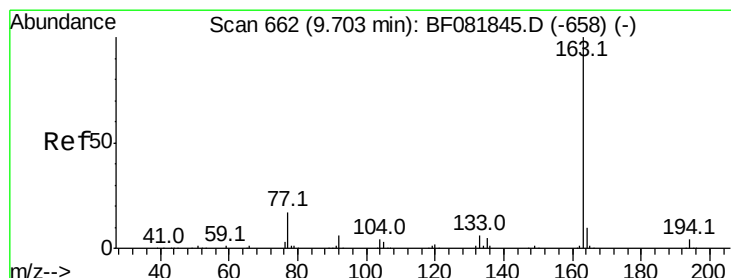
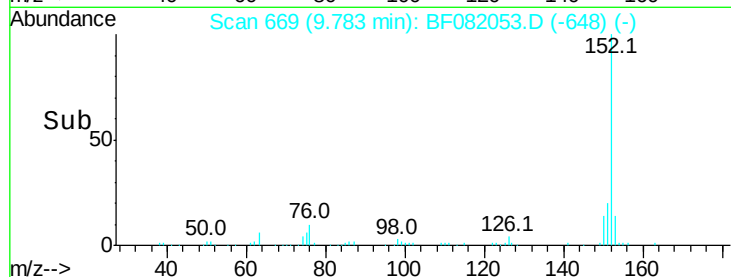
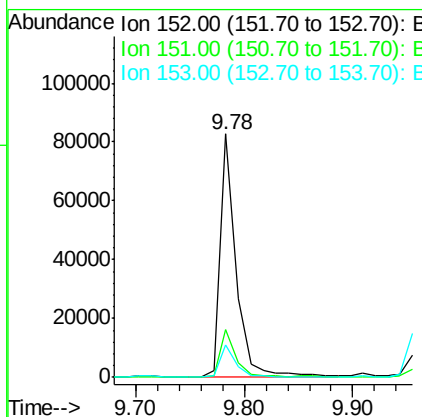
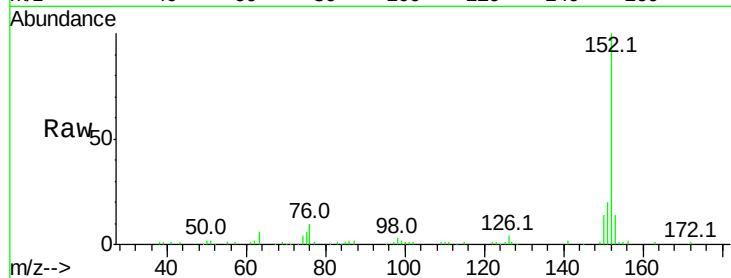
ClientSampleId :

TOP-SOIL-SAMPLE

Tot Ion:	152	Resp:	85823
Ion Ratio	Lower	Upper	
152	100		
151	19.6	14.6	22.0
153	13.6	10.3	15.5

Manual Integrations
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#49

Dimethylphthalate

Concen: 26.22 ng

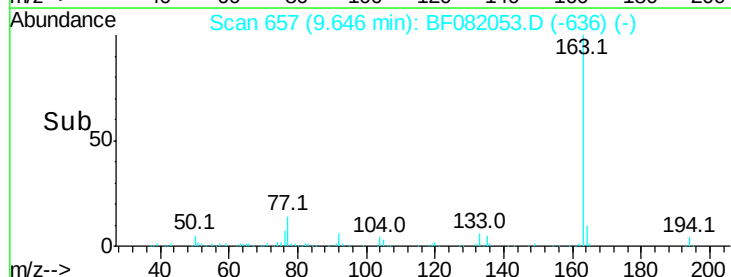
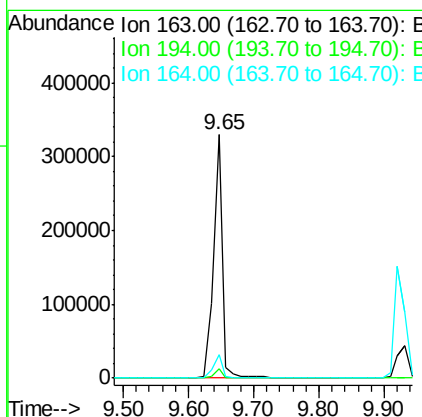
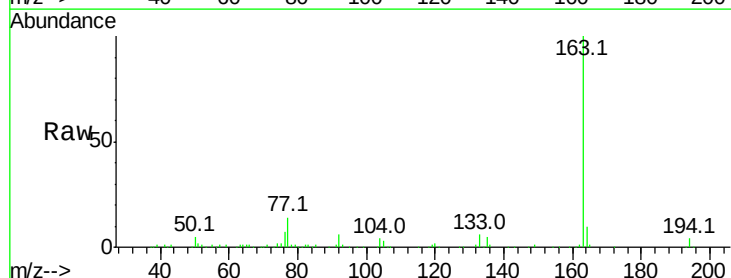
RT: 9.65 min Scan# 657

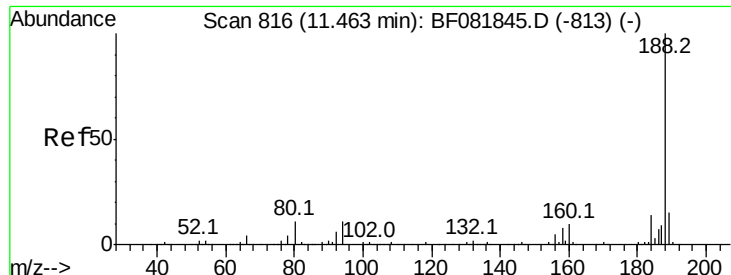
Delta R.T. -0.06 min

Lab File: BF082053.D

Acq: 5 Oct 2015 19:27

Tgt Ion:	163	Resp:	323175
Ion Ratio	Lower	Upper	
163	100		
194	3.9	4.4	6.6#
164	9.8	8.3	12.5





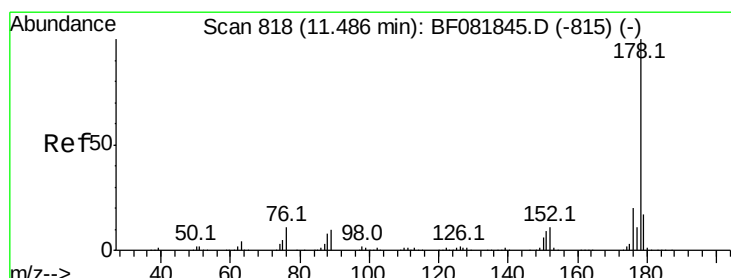
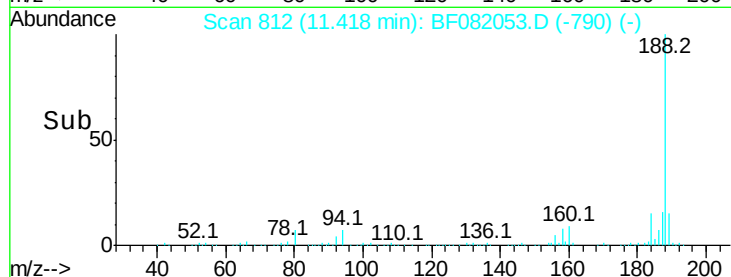
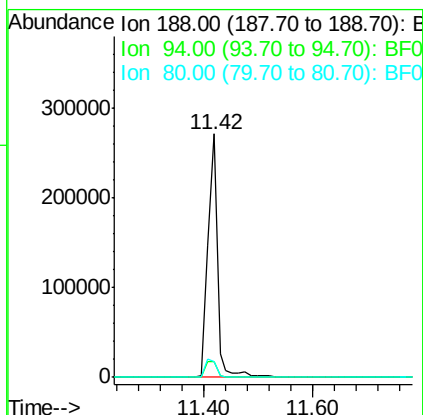
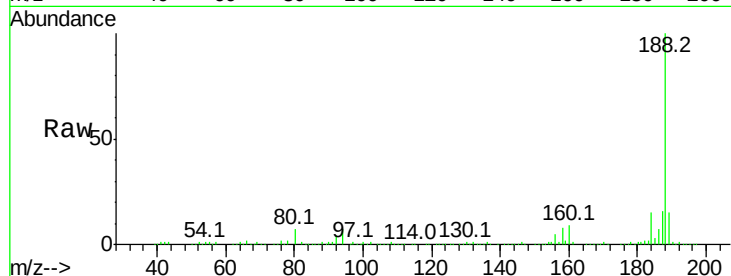
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.05 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Instrument :
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TOP-SOIL-SAMPLE

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.5	11.1	16.7#
80	6.7	11.0	16.4#

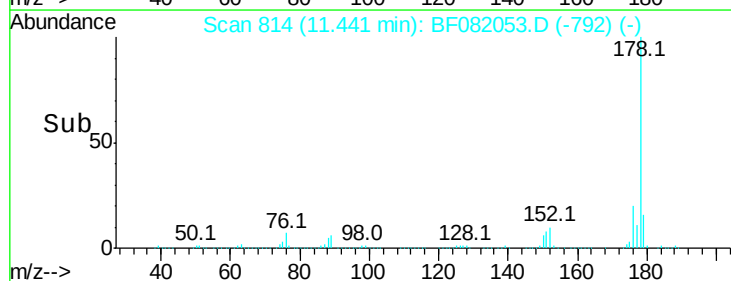
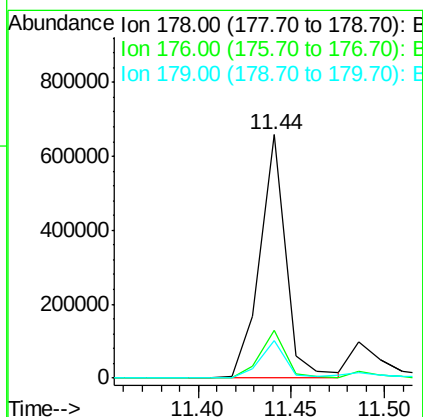
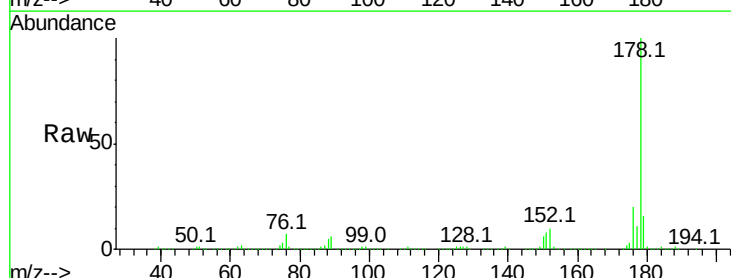
Manual Integrations
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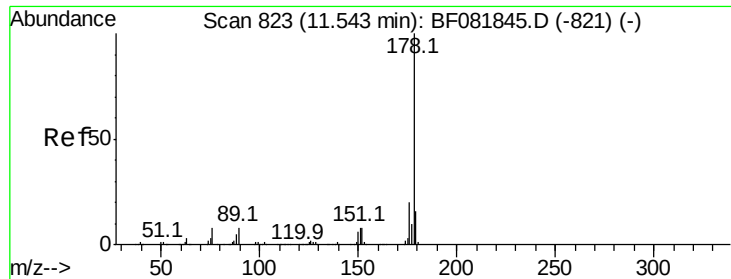
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#70
Phenanthrene
Concen: 39.39 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	13.8	20.8
179	15.6	12.2	18.2





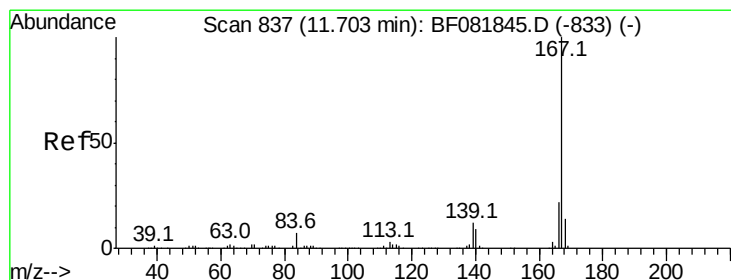
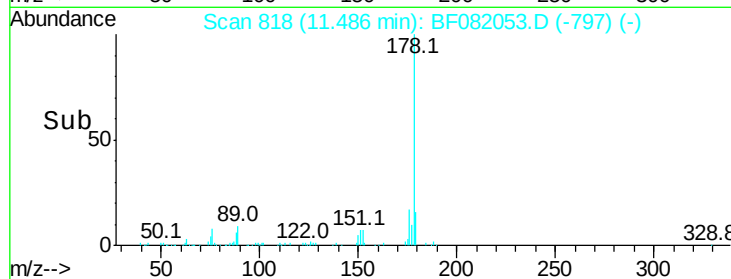
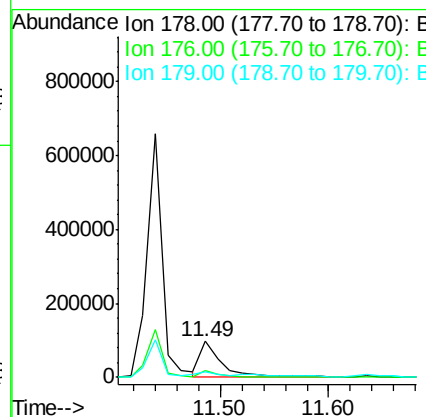
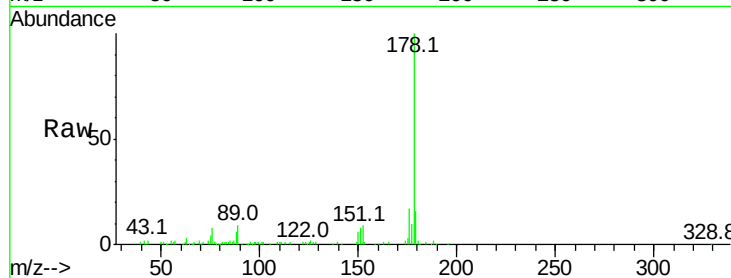
#71
 Anthracene
 Concen: 7.78 ng
 RT: 11.49 min Scan# 818
 Delta R.T. -0.06 min
 Lab File: BF082053.D
 Acq: 5 Oct 2015 19:27

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-SAMPLE

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.1	21.1
179	16.3	12.2	18.2

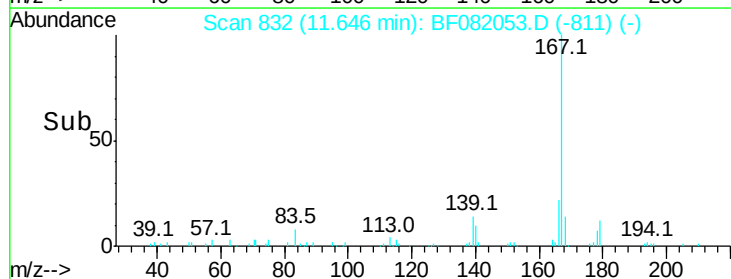
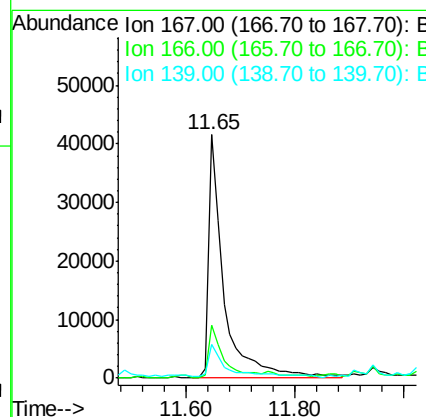
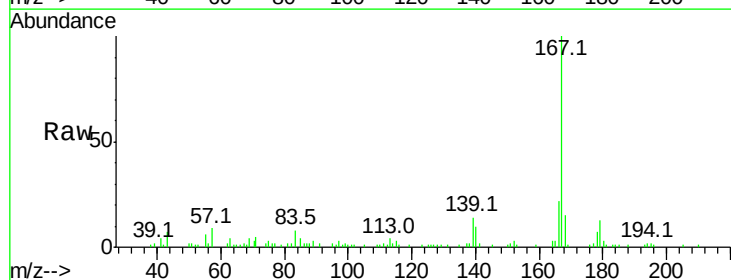
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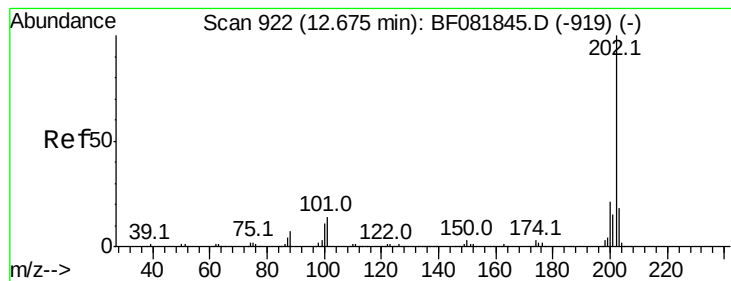
MMDadoda
 10/6/2015 2:54:09 PM



#72
 Carbazole
 Concen: 5.34 ng
 RT: 11.65 min Scan# 832
 Delta R.T. -0.06 min
 Lab File: BF082053.D
 Acq: 5 Oct 2015 19:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	15.7	23.5
139	13.7	9.5	14.3





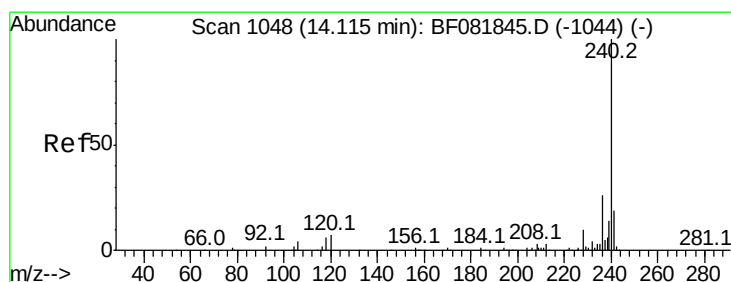
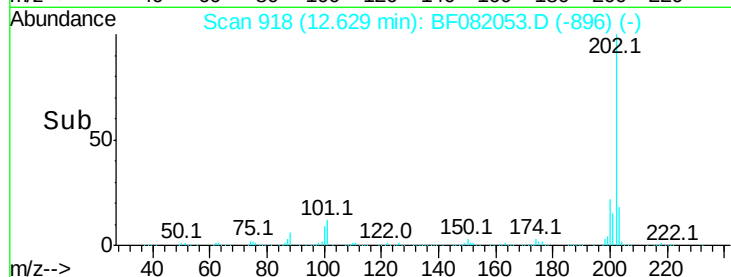
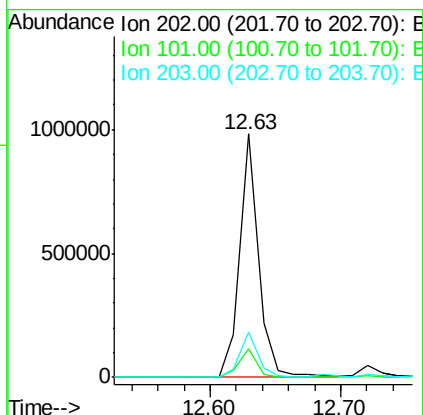
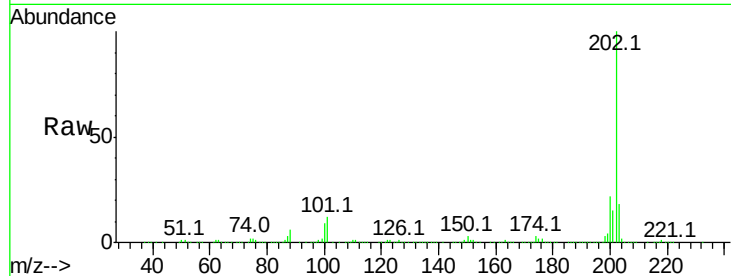
#74
Fluoranthene
Concen: 55.40 ng
RT: 12.63 min Scan# 918
Delta R.T. -0.05 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-SAMPLE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.8	0.0	38.3
203	18.5	0.0	37.3

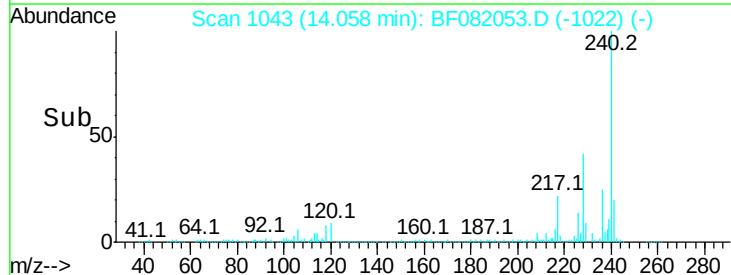
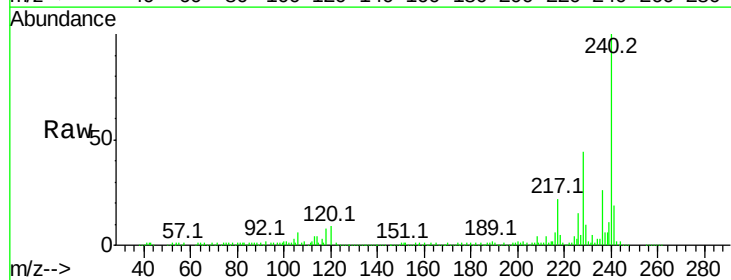
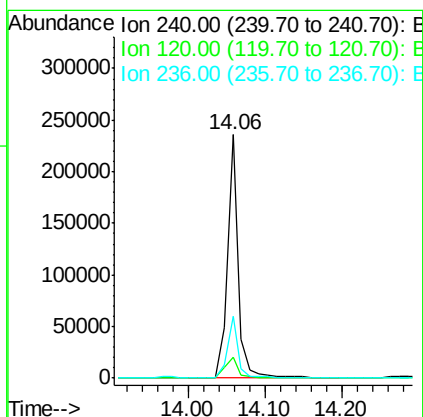
Manual Integrations
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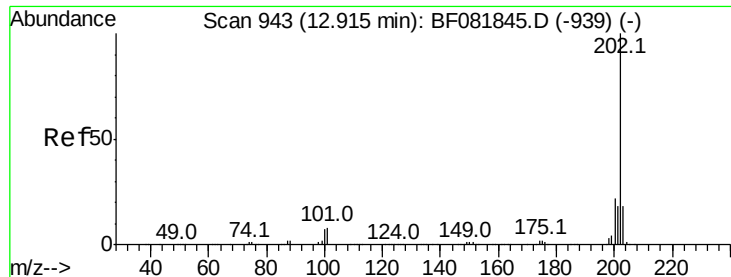
MMDadoda
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 1043
Delta R.T. -0.06 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.6	16.2	24.2#
236	25.6	18.4	27.6





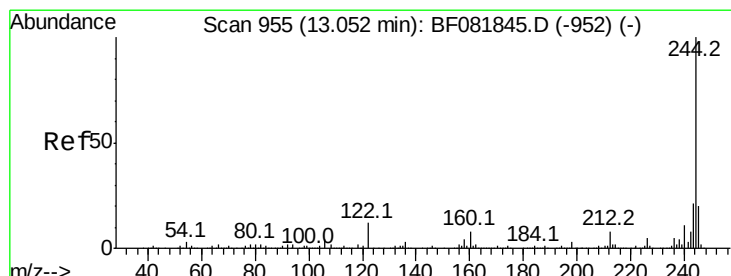
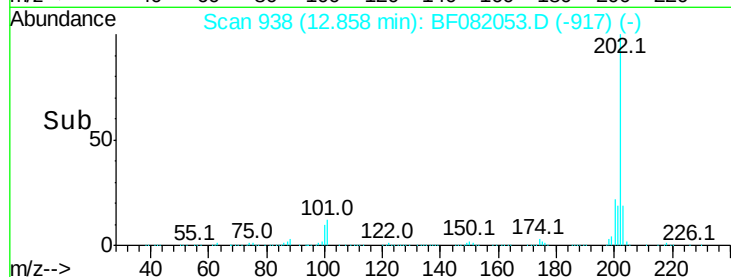
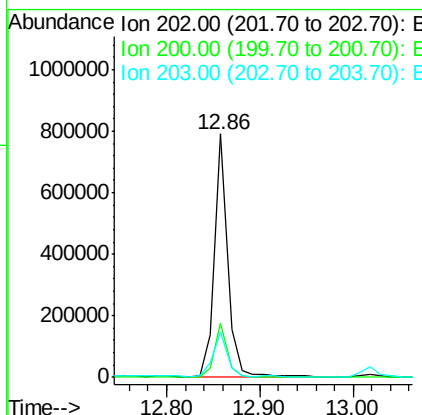
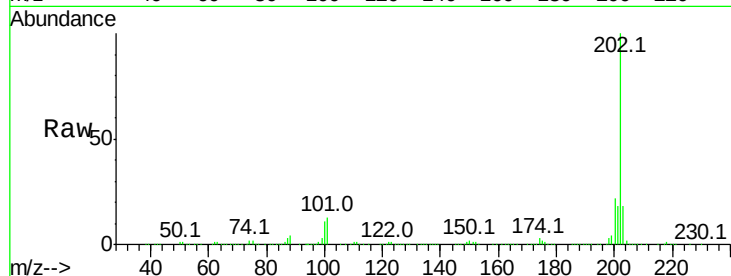
#77
Pvrene
Concen: 54.79 ng
RT: 12.86 min Scan# 938
Delta R.T. -0.06 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-SAMPLE

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	15.0	22.4
203	18.4	14.1	21.1

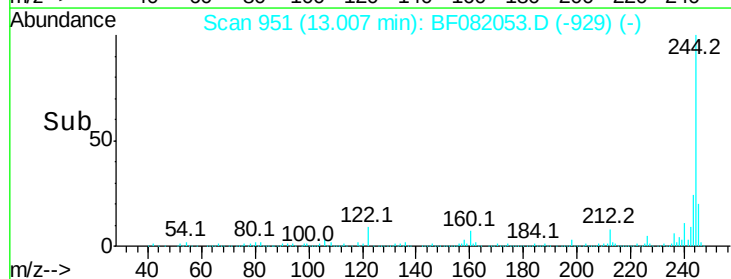
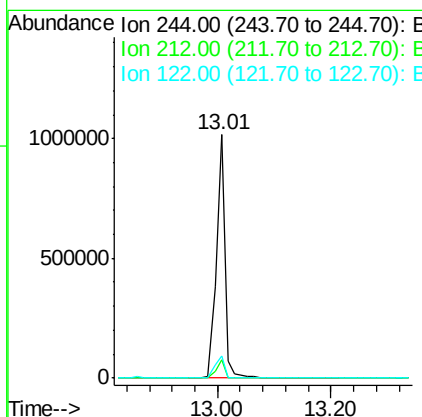
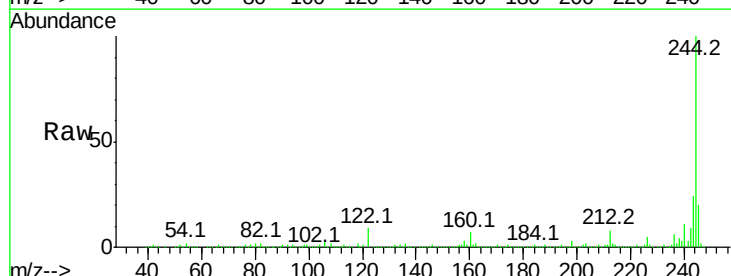
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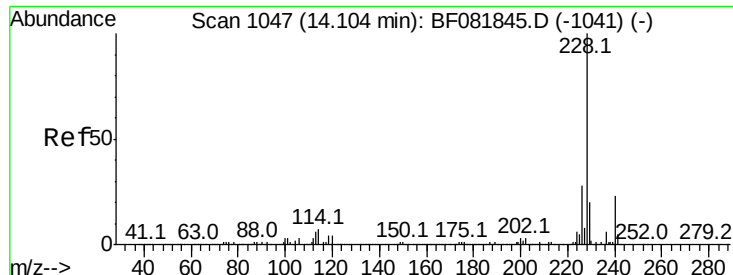
MMDadoda
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#78
Terphenyl-d14
Concen: -20.00 ng
RT: 13.01 min Scan# 951
Delta R.T. -0.05 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	4.3	6.5#
122	9.0	17.4	26.2#





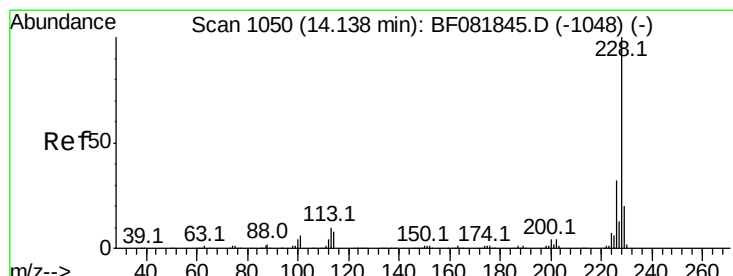
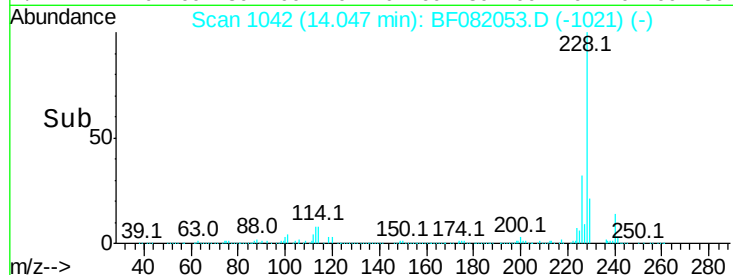
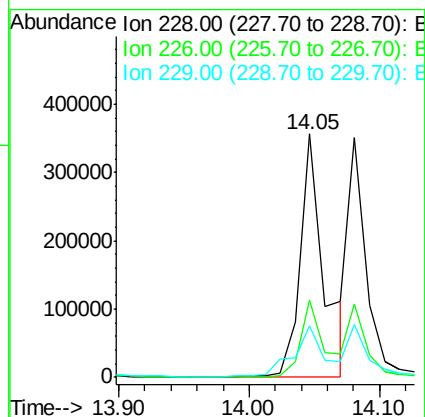
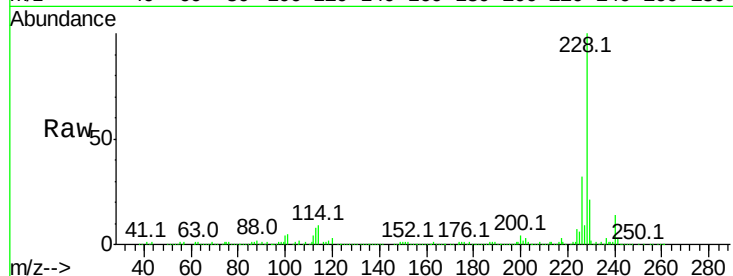
#80
Benzo(a)anthracene
Concen: 35.25 ng
RT: 14.05 min Scan# 1042
Delta R.T. -0.06 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-SAMPLE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	20.0	30.0#
229	21.1	15.4	23.2

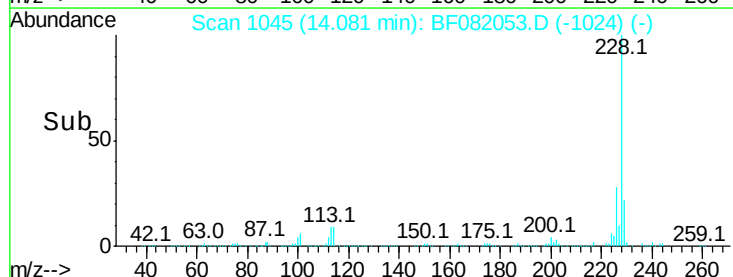
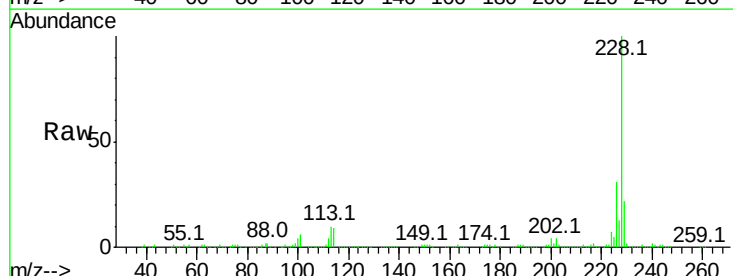
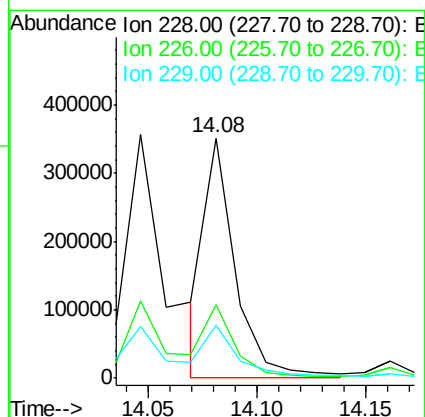
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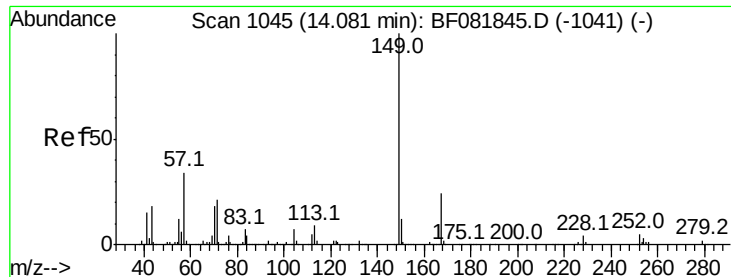
MMDadoda
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#82
Chrysene
Concen: 25.25 ng
RT: 14.08 min Scan# 1045
Delta R.T. -0.06 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.0	31.4
229	22.0	15.6	23.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.07 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.05 min

Lab File: BF082053.D

Acq: 5 Oct 2015 19:27

Instrument :

BNA_F

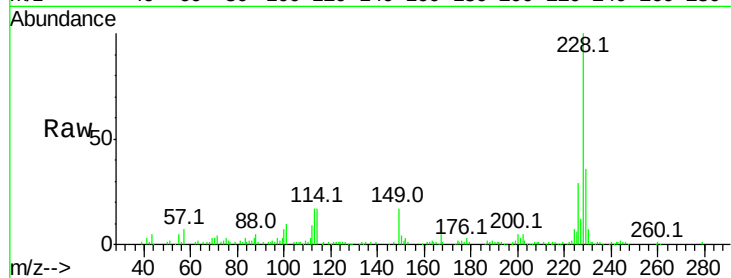
ClientSampleId :

TOP-SOIL-SAMPLE

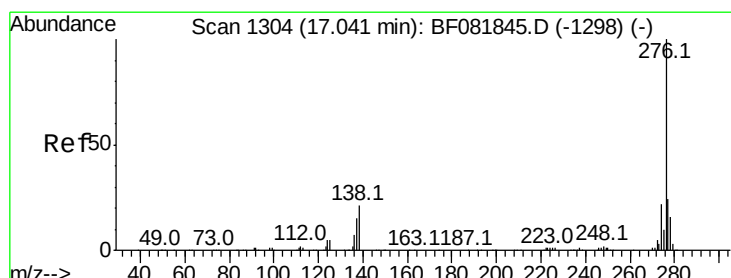
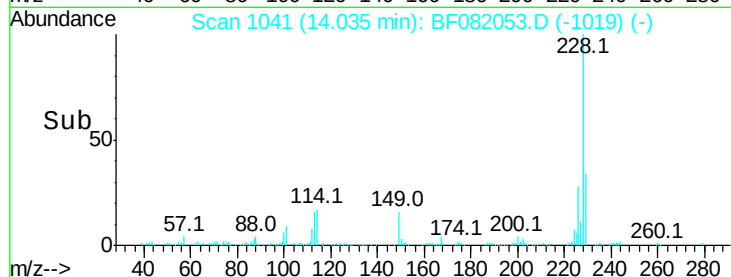
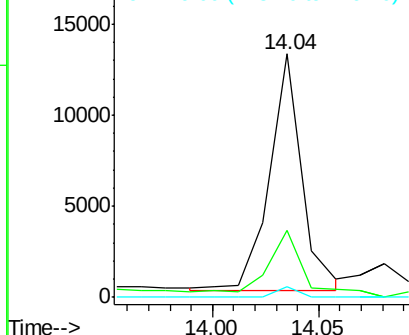
Tot Ion:	149	Resp:	13880
Ion Ratio	Lower	Upper	
149	100		
167	27.5	24.2	36.2
279	4.3	3.8	5.6

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 20.28 ng

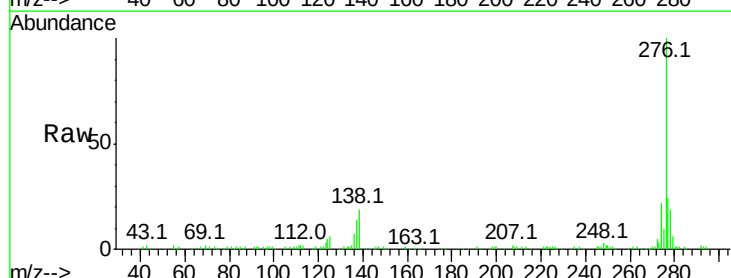
RT: 16.94 min Scan# 1295

Delta R.T. -0.10 min

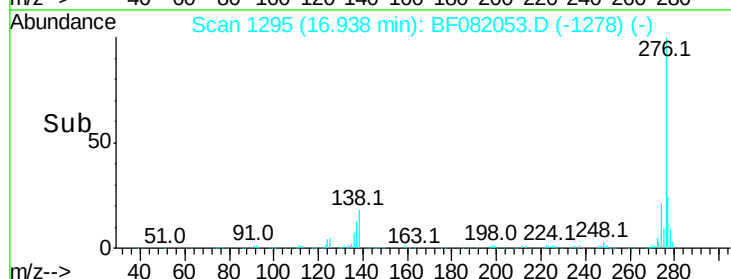
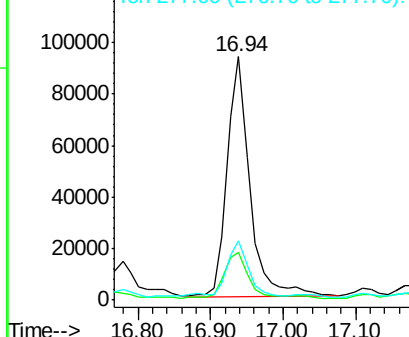
Lab File: BF082053.D

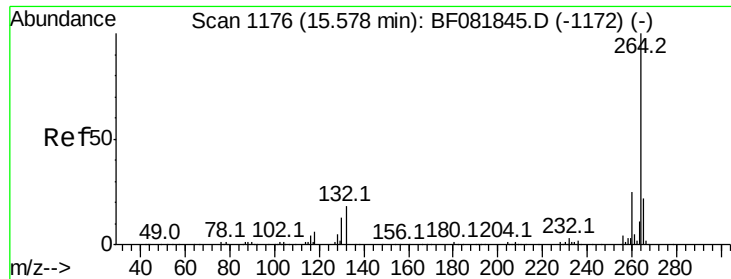
Acq: 5 Oct 2015 19:27

Tgt Ion:	276	Resp:	203487
Ion Ratio	Lower	Upper	
276	100		
138	19.5	25.7	38.5#
277	23.2	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





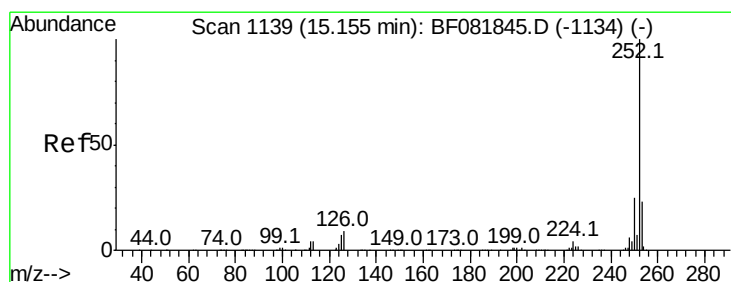
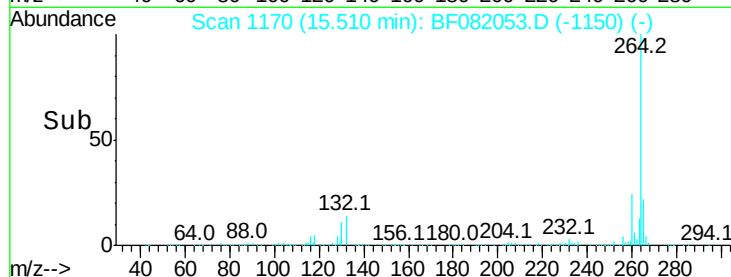
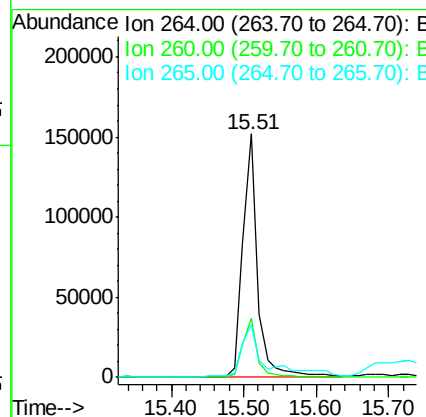
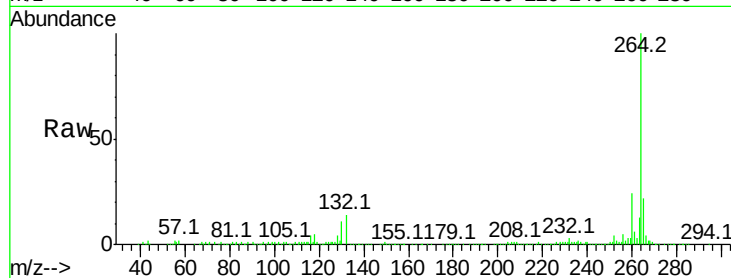
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.07 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-SAMPLE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	16.7	25.1
265	21.8	17.2	25.8

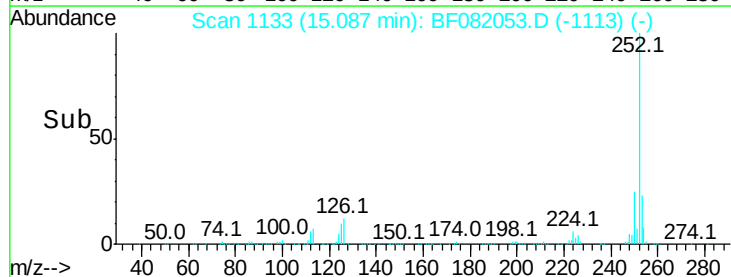
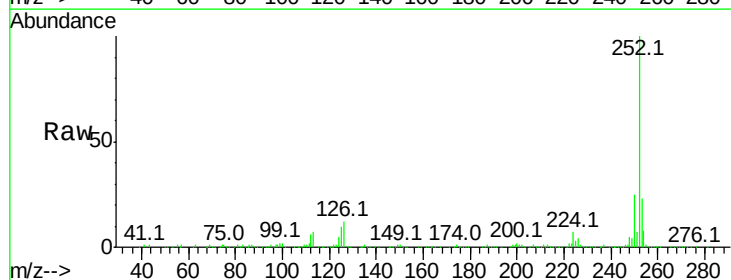
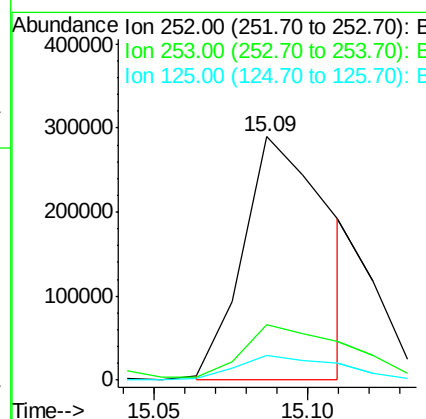
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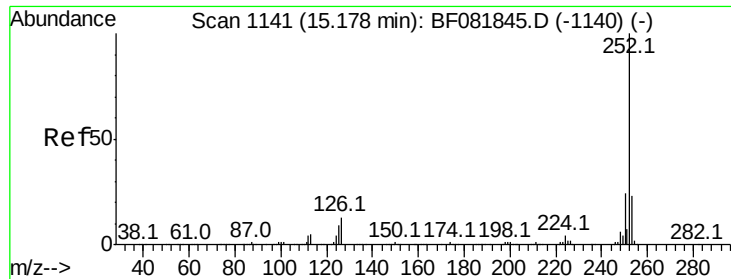
MMDadoda
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#87
Benzo(b)fluoranthene
Concen: 45.37 ng m
RT: 15.09 min Scan# 1133
Delta R.T. -0.07 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.4	17.1	25.7#





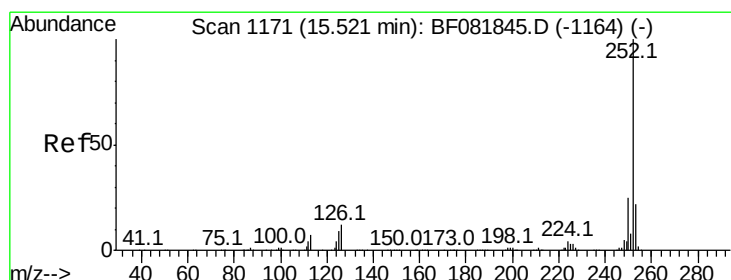
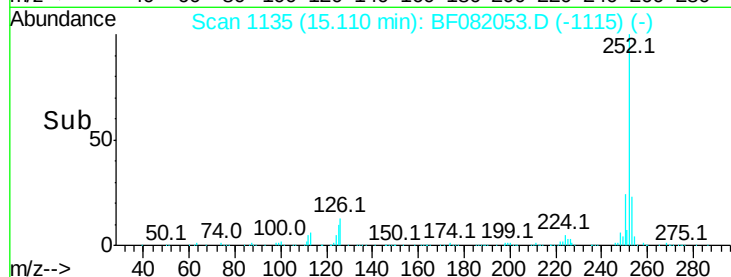
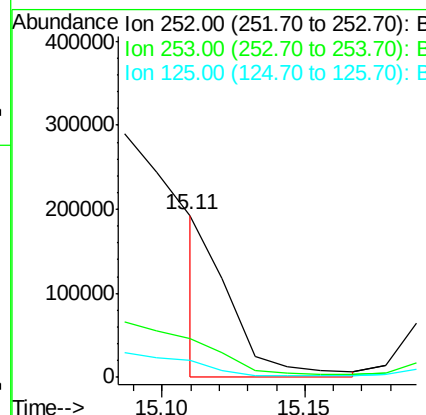
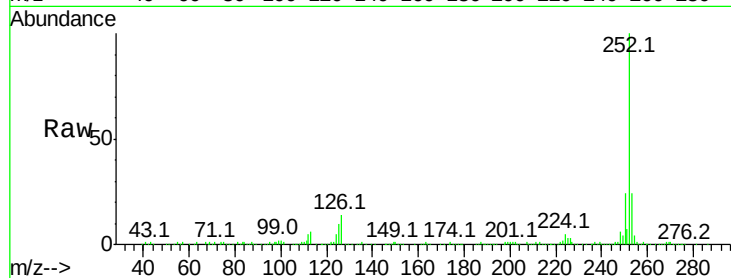
#88
Benzo(k)fluoranthene
Concen: 10.41 ng m
RT: 15.11 min Scan# 1135
Delta R.T. -0.07 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-SAMPLE

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	17.0	25.4
125	10.2	16.0	24.0

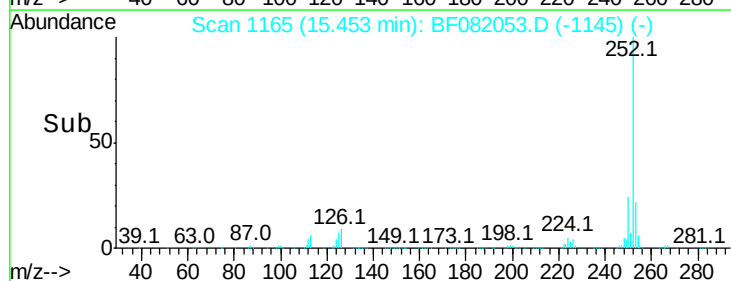
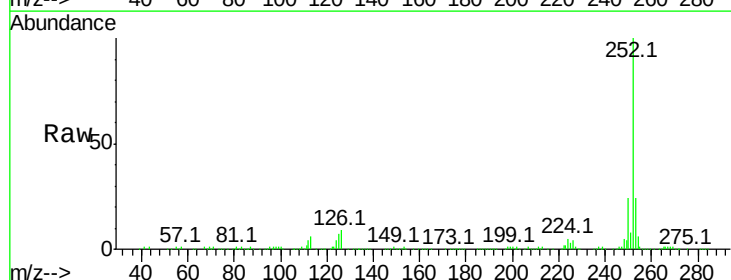
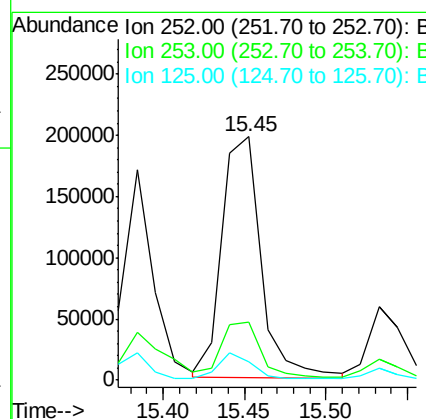
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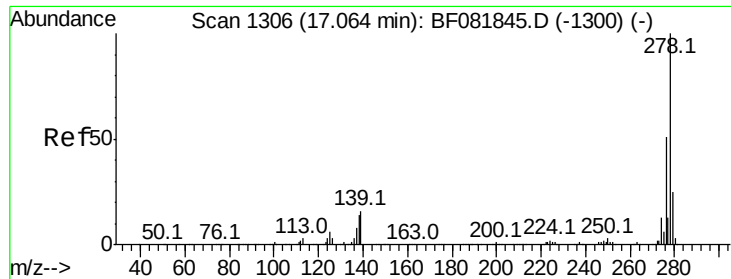
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#89
Benzo(a)pyrene
Concen: 30.51 ng
RT: 15.45 min Scan# 1165
Delta R.T. -0.07 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	17.2	25.8
125	7.5	18.0	27.0





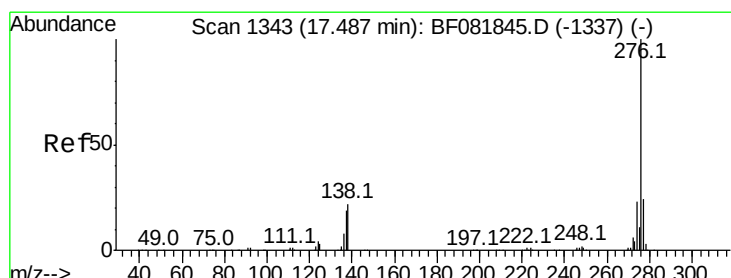
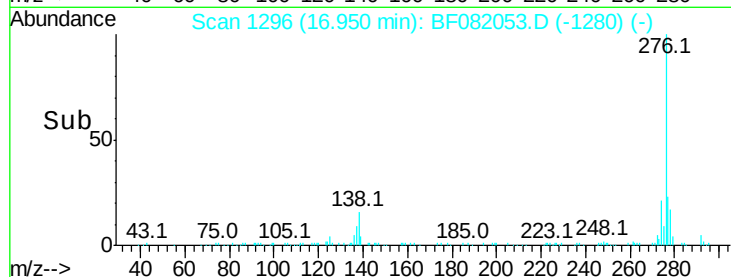
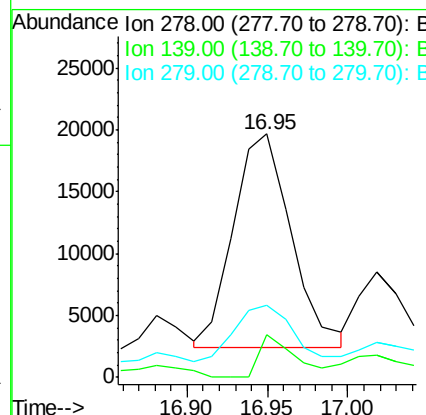
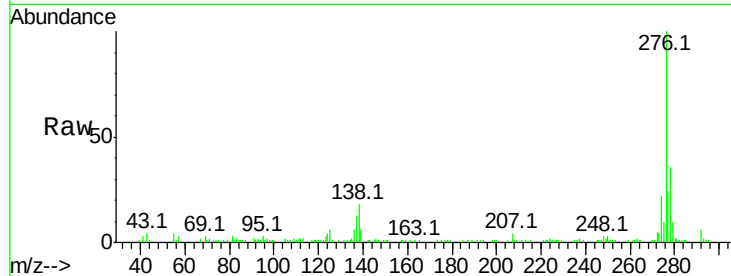
#90
Dibenzo(a,h)anthracene
Concen: 4.80 ng m
RT: 16.95 min Scan# 1296
Delta R.T. -0.11 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-SAMPLE

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.7	26.3	39.5#
279	29.4	18.2	27.4#

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#91
Benzo(g,h,i)perylene
Concen: 18.24 ng
RT: 17.37 min Scan# 1333
Delta R.T. -0.11 min
Lab File: BF082053.D
Acq: 5 Oct 2015 19:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.8	26.6
138	19.5	34.6	51.8#

