

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
 Data File : BF080932.D
 Acq On : 7 Aug 2015 17:54
 Operator : TP/UM
 Sample : G3212-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5

Manual Integrations
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Quant Time: Aug 10 18:11:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 07 14:20:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	56949	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	208850	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	104372	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	221416	20.00	ng	0.00
75) Chrysene-d12	13.95	240	162404	20.00	ng	-0.01
86) Perylene-d12	15.36	264	141559	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	317668	91.14	ng	0.01
7) Phenol-d6	6.44	99	497525	104.17	ng	0.00
23) Nitrobenzene-d5	7.37	82	260866	59.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	113771	99.22	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	503230	67.88	ng	0.00
78) Terphenyl-d14	12.91	244	488151	62.09	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.57	77	7595	2.35	ng	81
30) 1,2,4-Trichlorobenzene	8.03	180	25291	7.86	ng	94
49) Dimethylphthalate	9.56	163	156775	18.08	ng	100
53) 2,4-Dinitrophenol	9.72	184	266	2.01	ng	# 14
70) Phenanthrene	11.34	178	130407	10.40	ng	99
71) Anthracene	11.39	178	28728	2.31	ng	98
74) Fluoranthene	12.53	202	266124	19.64	ng	99
76) Benzidine	12.66	184	2662	2.52	ng	# 57
77) Pyrene	12.76	202	236576	19.72	ng	98
80) Benzo(a)anthracene	13.94	228	126376	12.32	ng	97
81) 3,3'-Dichlorobenzidine	13.92	252	199429	53.44	ng	99
82) Chrysene	13.97	228	89300m	9.09	ng	
83) Bis(2-ethylhexyl)phthalate	13.95	149	30779	3.82	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.71	276	43184m	4.62	ng	
87) Benzo(b)fluoranthene	14.96	252	103113m	10.48	ng	
88) Benzo(k)fluoranthene	14.97	252	47065m	5.48	ng	
89) Benzo(a)pyrene	15.30	252	70589	8.34	ng	# 95
91) Benzo(g,h,i)perylene	17.11	276	41341	5.68	ng	# 92

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

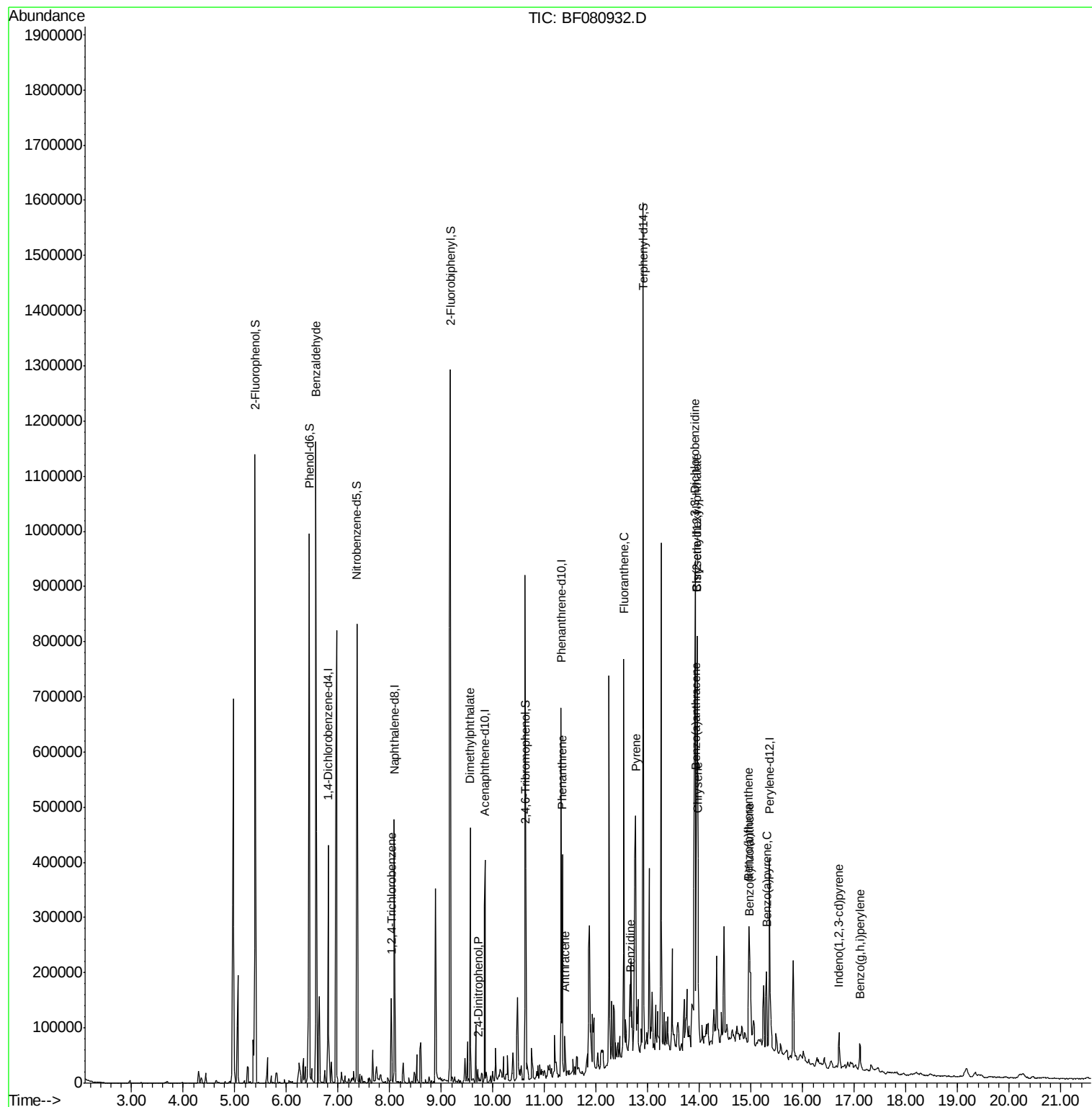
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
Data File : BF080932.D
Acq On : 7 Aug 2015 17:54
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Sample : G3212-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

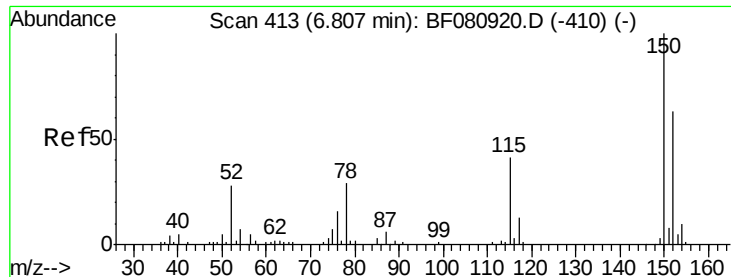
Instrument :
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#1

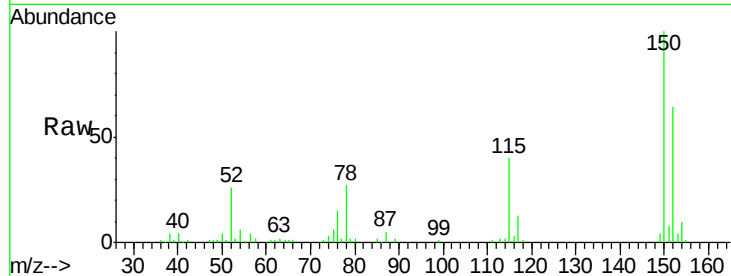
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Instrument :
BNA_F
ClientSampled :
SOIL-5

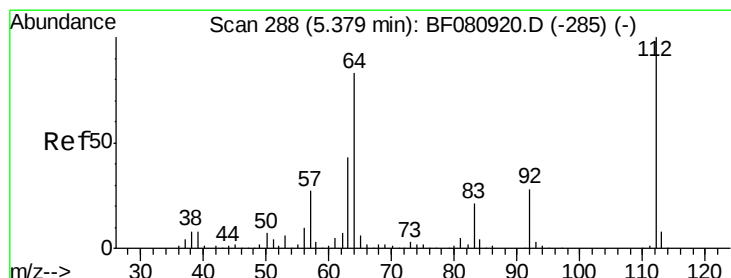
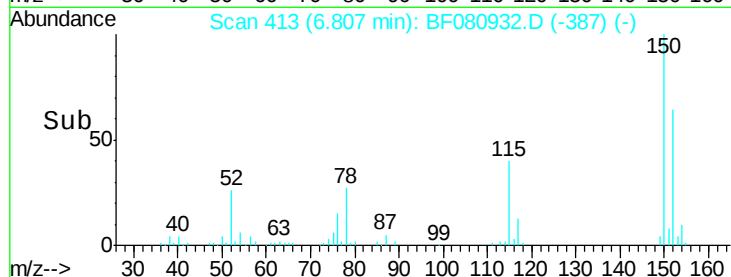
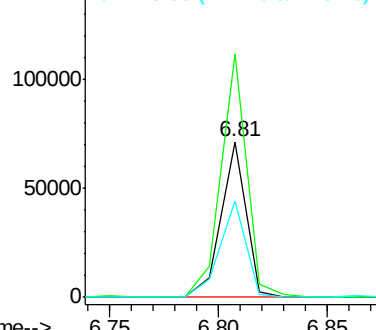
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	127.4	191.2
115	62.3	52.6	78.8

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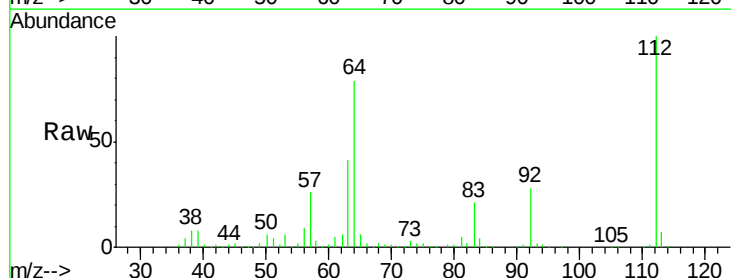
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



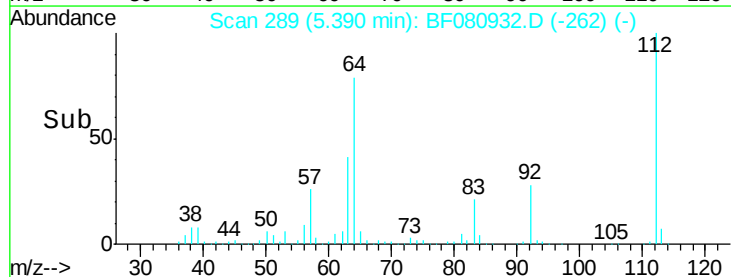
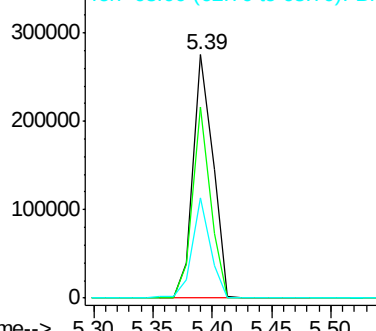
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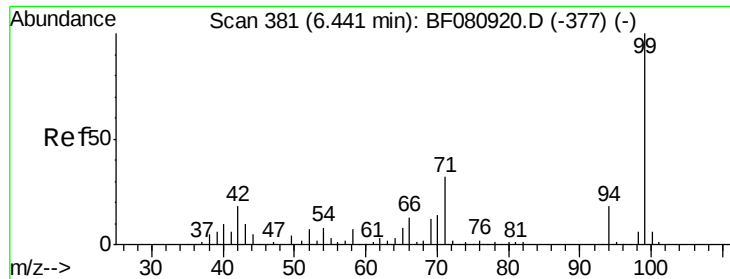
2-Fluorophenol
Concen: 91.14 ng
RT: 5.39 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.6	66.1	99.1
63	41.2	34.6	52.0



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: 104.17 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF080932.D

Acq: 7 Aug 2015 17:54

Instrument :

BNA_F

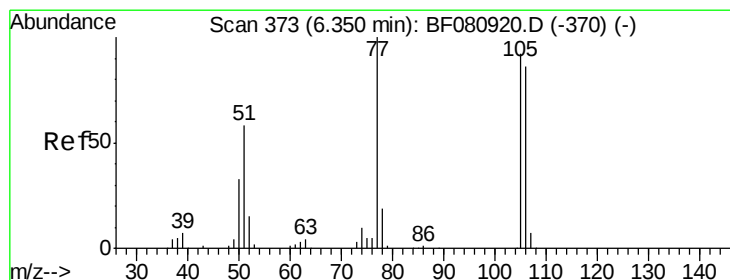
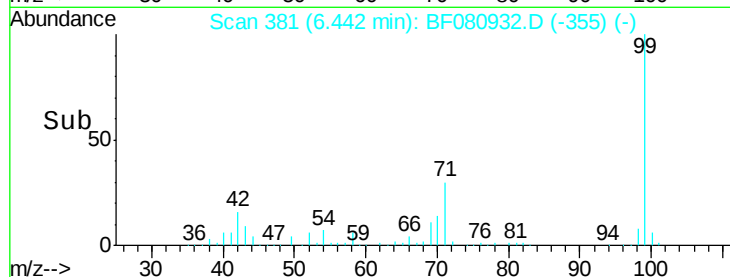
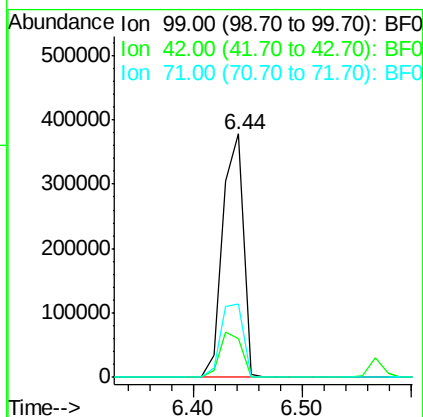
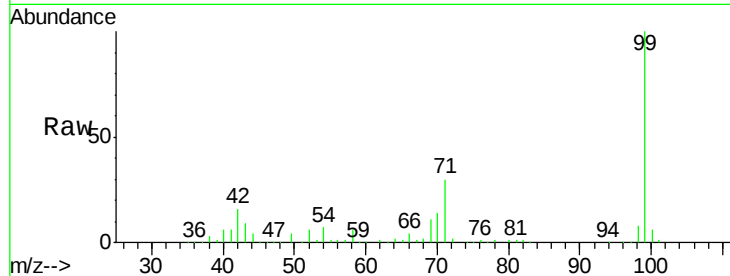
ClientSampled :

SOIL-5

Tot Ion:	99	Resp:	497525
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.4	21.6
71	30.0	25.8	38.8

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#9

Benzaldehyde

Concen: 2.35 ng

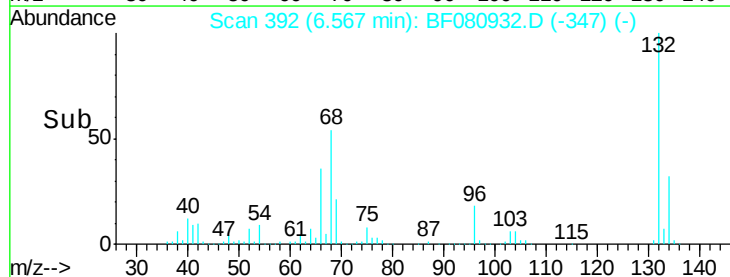
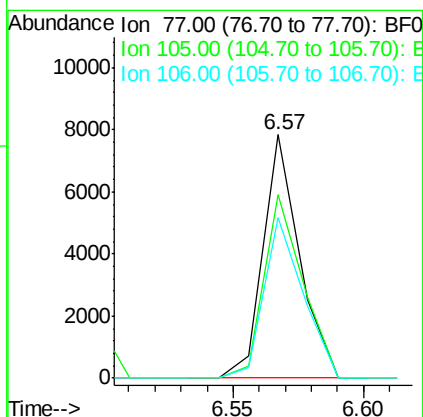
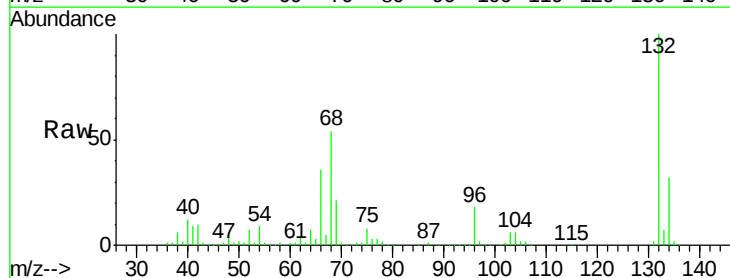
RT: 6.57 min Scan# 392

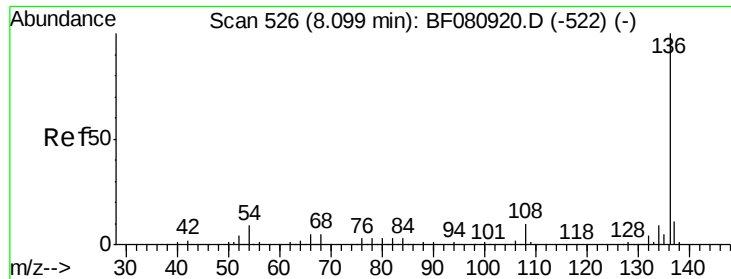
Delta R.T. 0.22 min

Lab File: BF080932.D

Acq: 7 Aug 2015 17:54

Tgt Ion:	77	Resp:	7595
Ion Ratio	Lower	Upper	
77	100		
105	75.5	71.6	111.6
106	66.1	65.7	105.7





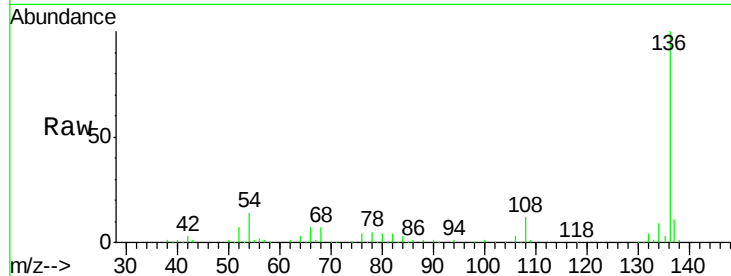
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Instrument :
BNA_F
ClientSampleId :
SOIL-5

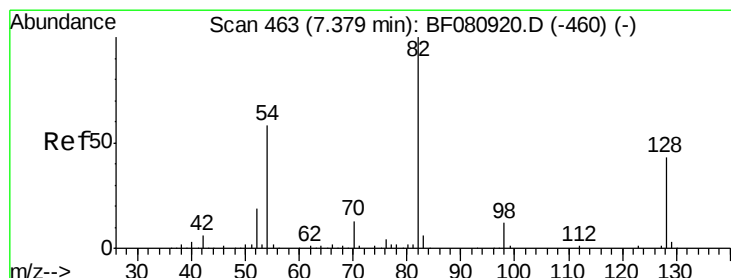
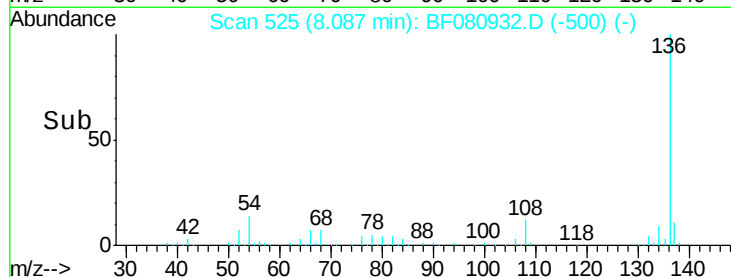
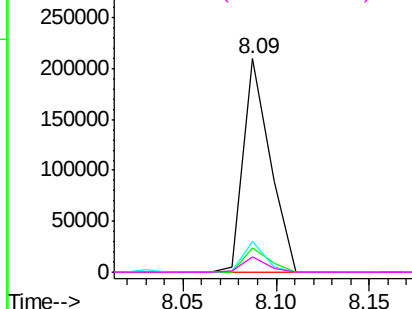
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	14.2	7.1	10.7
68	7.4	3.8	5.8

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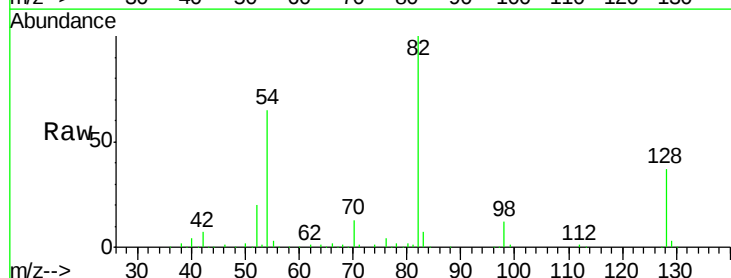


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

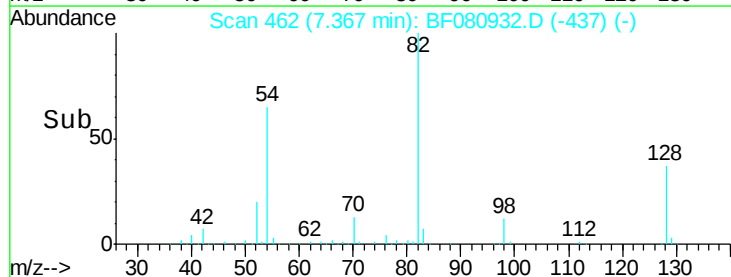
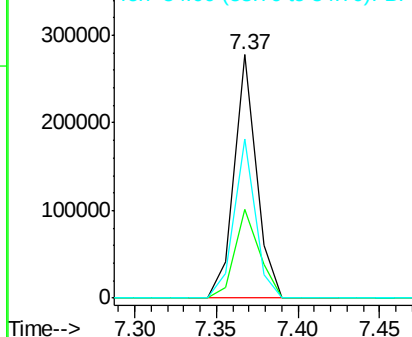


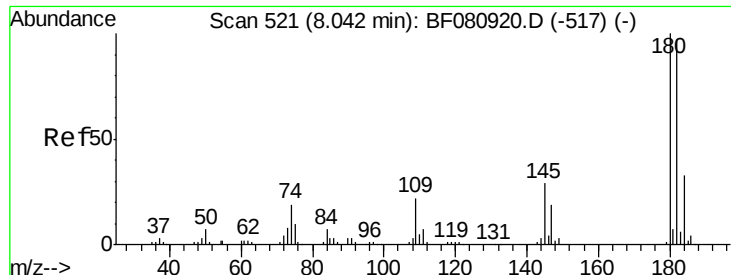
#23
Nitrobenzene-d5
Concen: 59.08 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	36.6	34.1	51.1
54	65.2	46.5	69.7



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





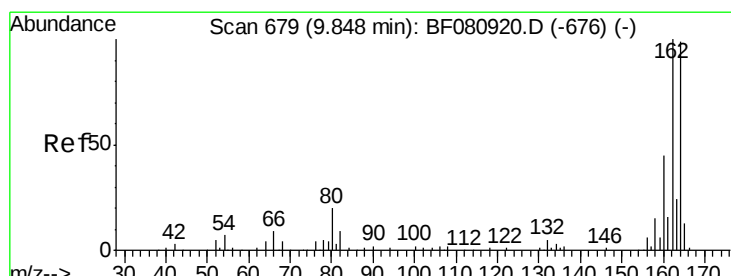
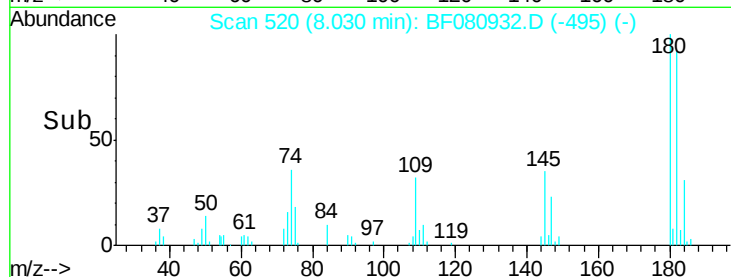
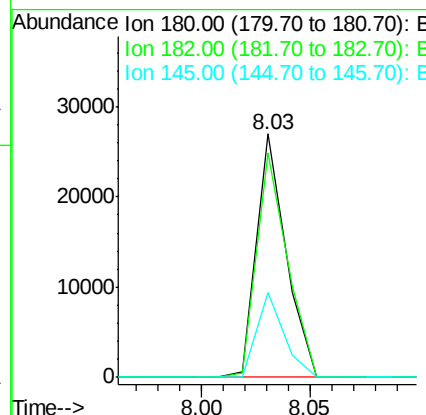
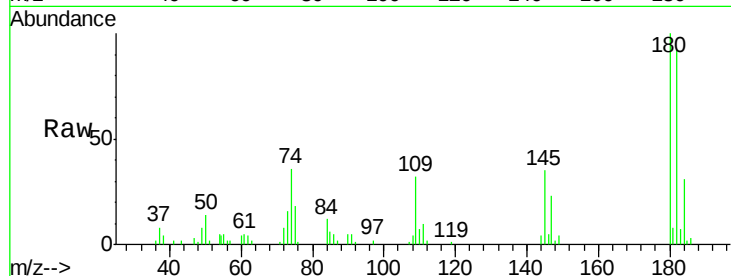
#30
 1,2,4-Trichlorobenzene
 Concen: 7.86 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: BF080932.D
 Acq: 7 Aug 2015 17:54

Instrument :
 BNA_F
 ClientSampled :
 SOIL-5

Tot Ion	Ratio	Resp	Lower	Upper
180	100	25291		
182	91.9		77.4	116.0
145	34.8		23.2	34.8

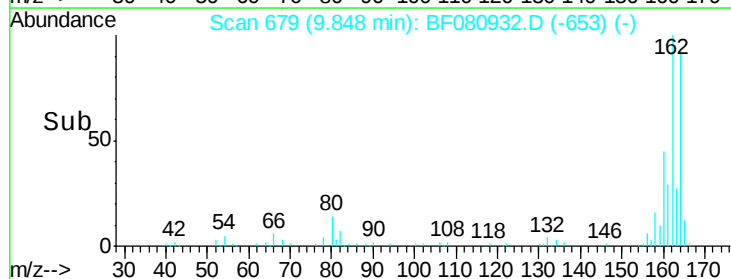
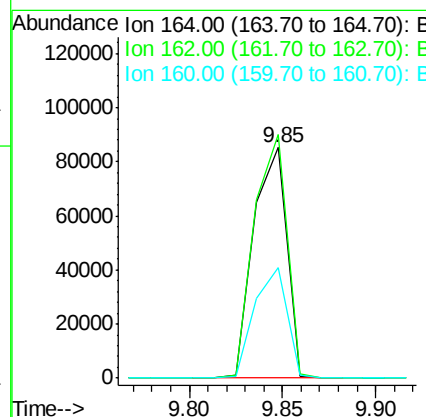
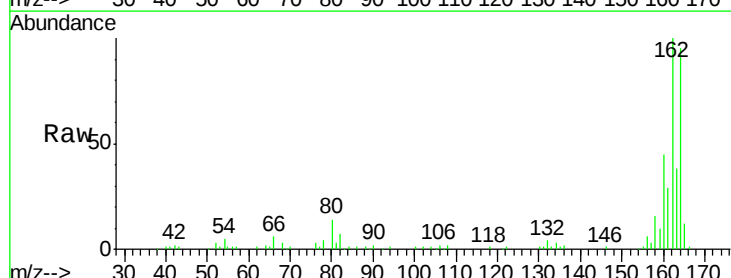
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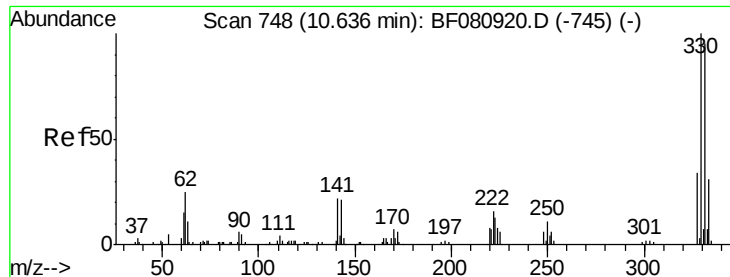
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF080932.D
 Acq: 7 Aug 2015 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104372		
162	105.6		80.5	120.7
160	48.0		36.6	54.8





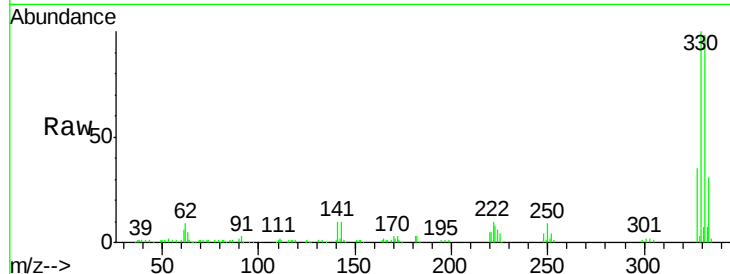
#41
 2,4,6-Tribromophenol
 Concen: 99.22 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF080932.D
 Acq: 7 Aug 2015 17:54

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5

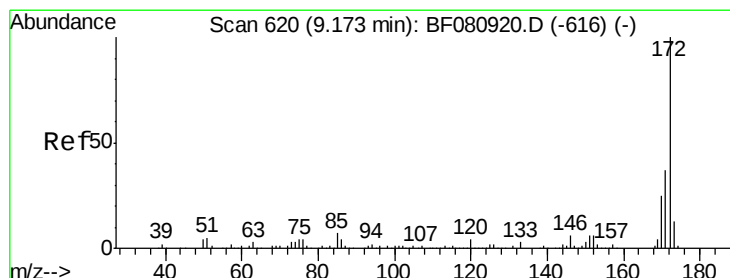
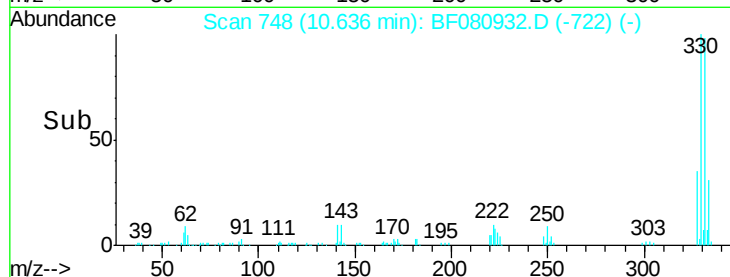
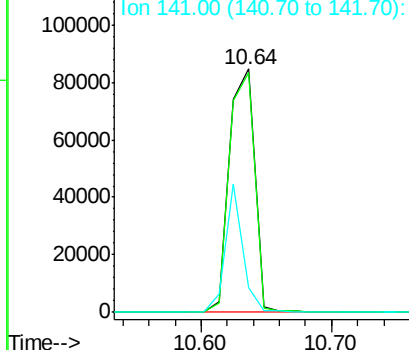
Tot Ion	Ratio	Resp	Lower	Upper
330	100	113771		
332	98.7	76.2	114.4	
141	36.6	27.8	41.8	

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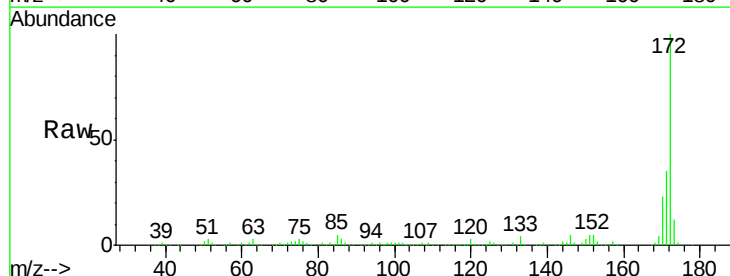


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

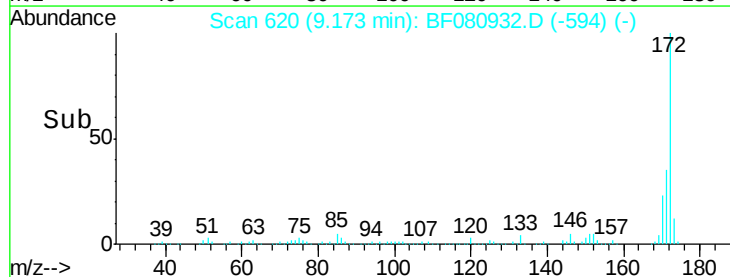
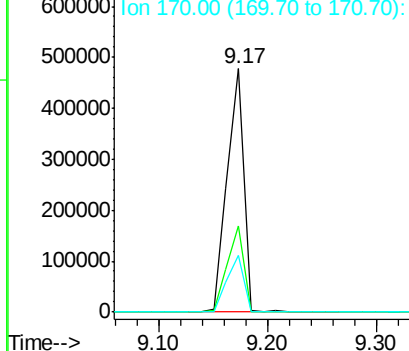


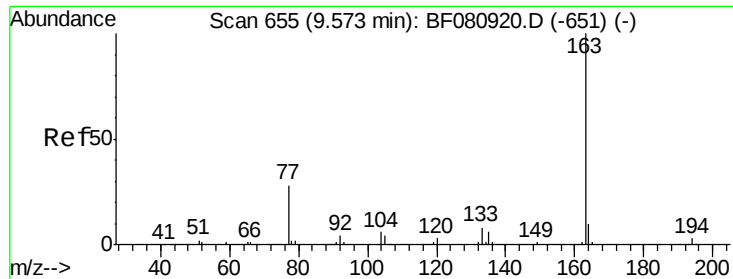
#44
 2-Fluorobiphenyl
 Concen: 67.88 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF080932.D
 Acq: 7 Aug 2015 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	503230		
171	35.4	29.4	44.0	
170	23.4	19.7	29.5	



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





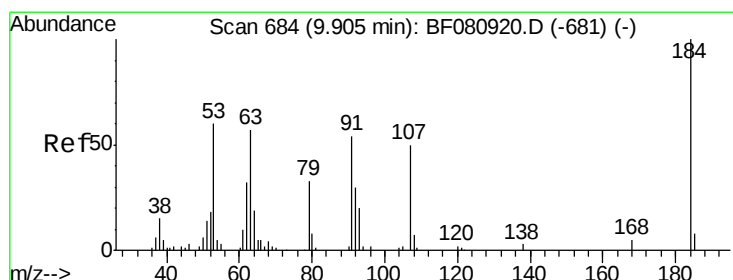
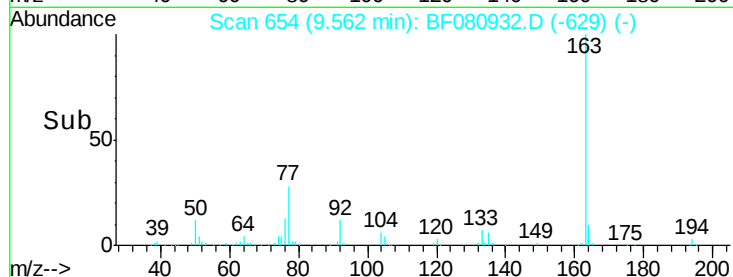
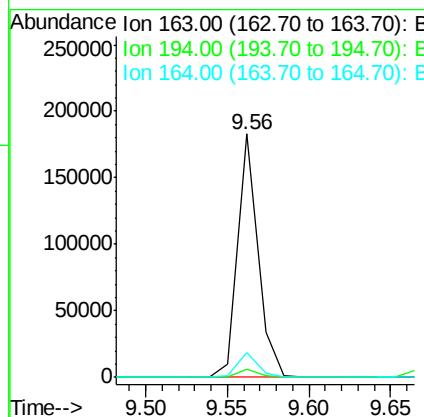
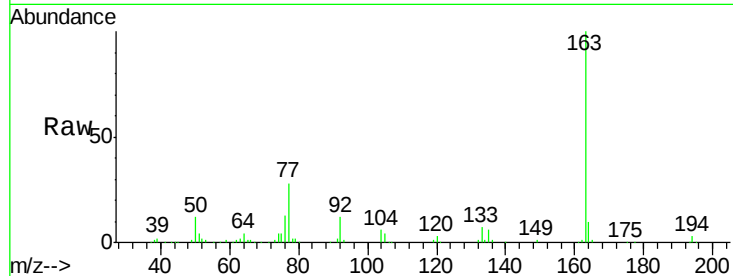
#49
Dimethylphthalate
Concen: 18.08 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Instrument :
BNA_F
ClientSampled :
SOIL-5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	156775		
194	3.1	2.4	3.6	
164	10.2	8.2	12.4	

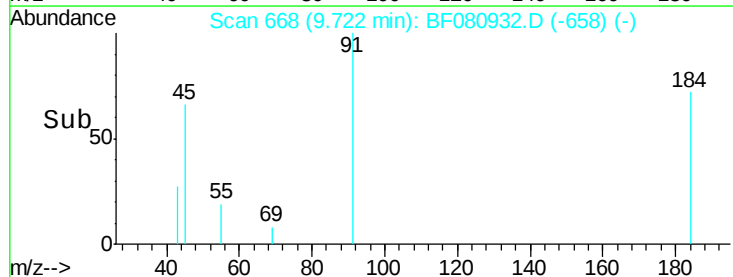
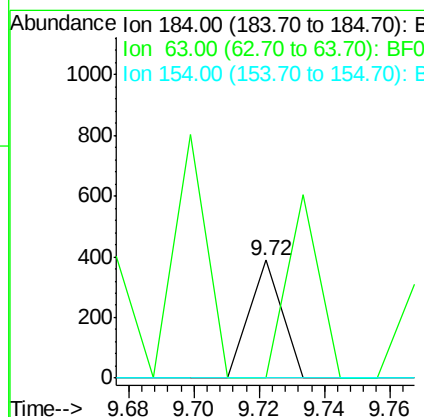
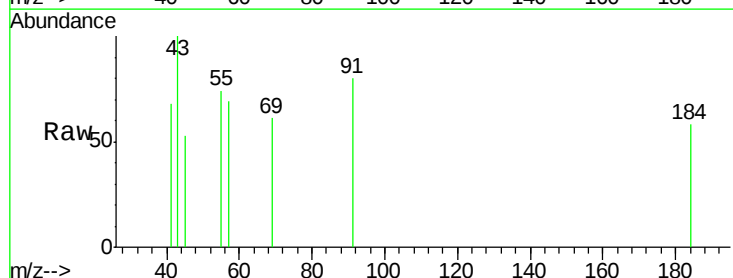
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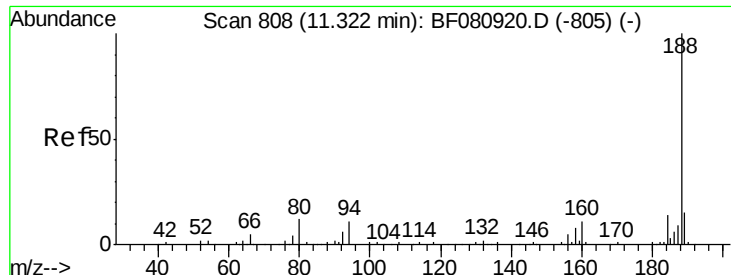
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#53
2,4-Dinitrophenol
Concen: 2.01 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.18 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	266		
63	0.0	59.7	89.5#	
154	0.0	53.8	80.8#	





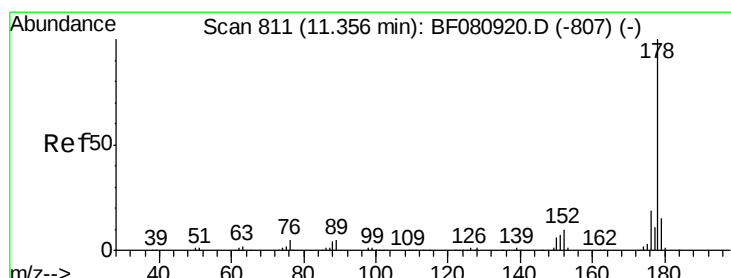
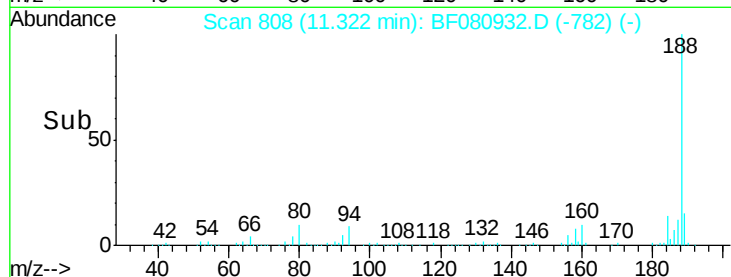
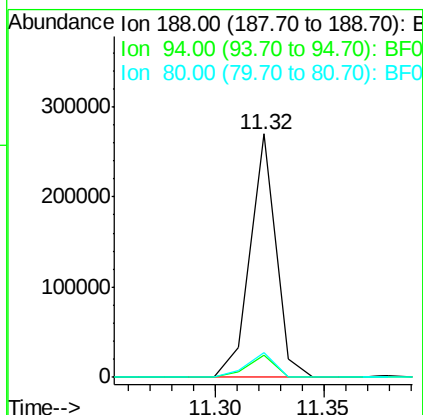
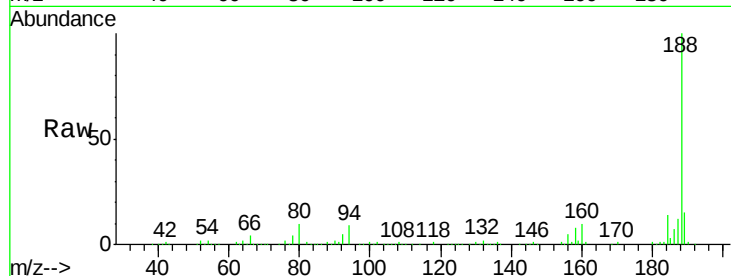
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Instrument :
BNA_F
ClientSampled :
SOIL-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	221416		
94	9.3		8.8	13.2
80	10.4		9.5	14.3

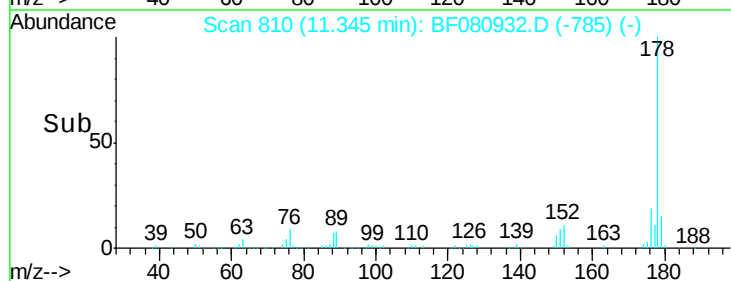
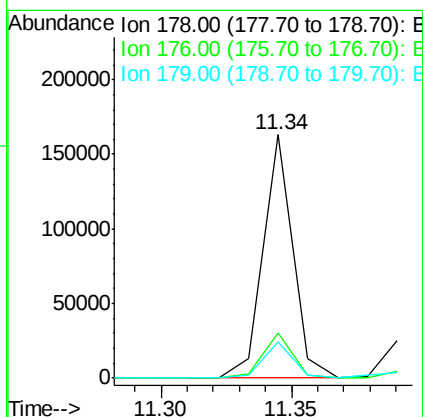
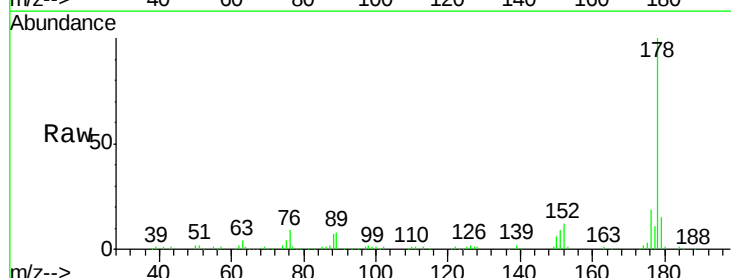
Manual Integrations
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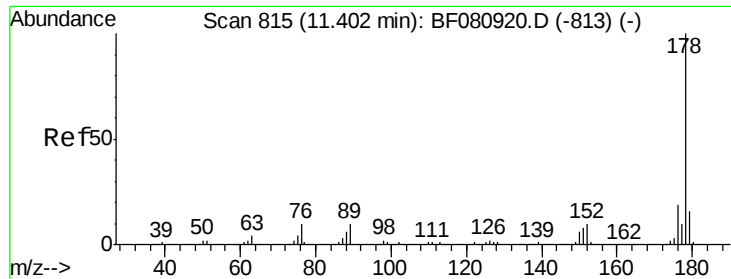
MMDadoda
8/10/2015 7:21:09 PM



#70
Phenanthrene
Concen: 10.40 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	130407		
176	18.5		15.6	23.4
179	15.1		11.9	17.9





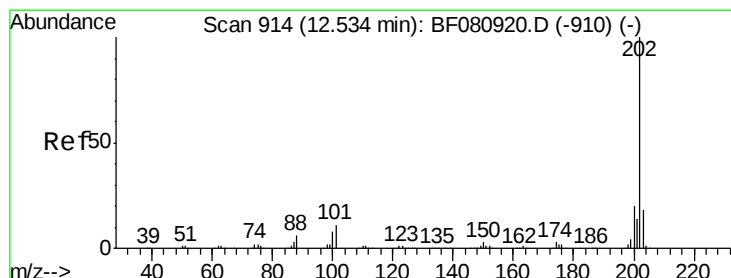
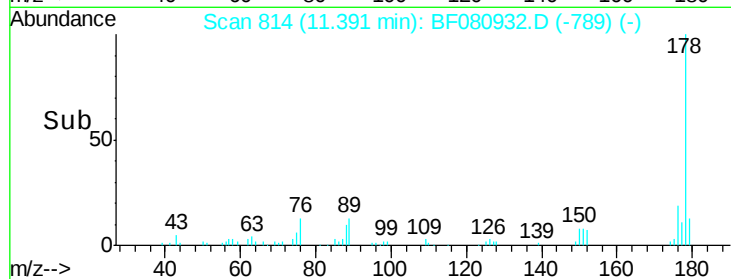
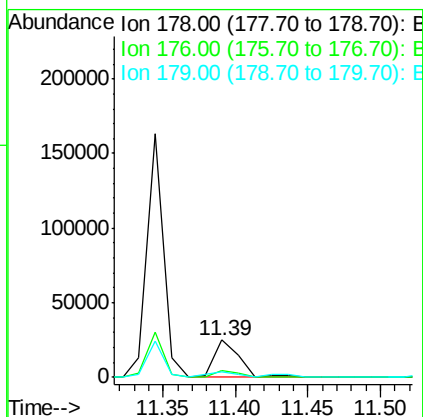
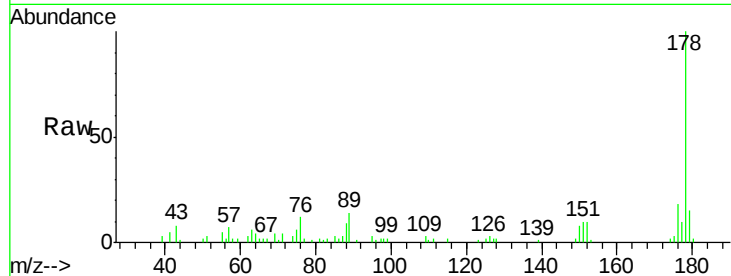
#71
 Anthracene
 Concen: 2.31 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF080932.D
 Acq: 7 Aug 2015 17:54

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	15.3	12.6	18.8

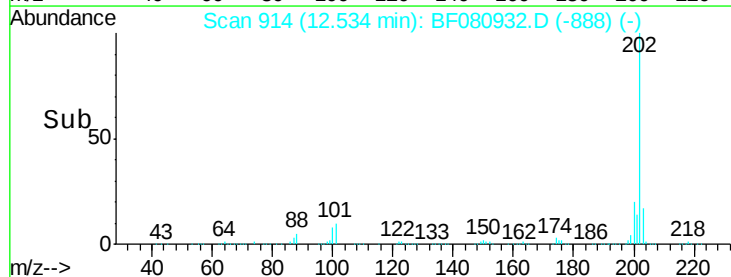
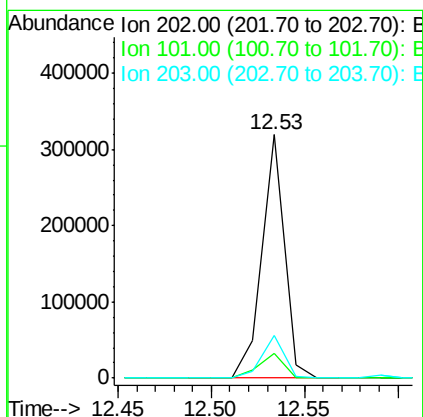
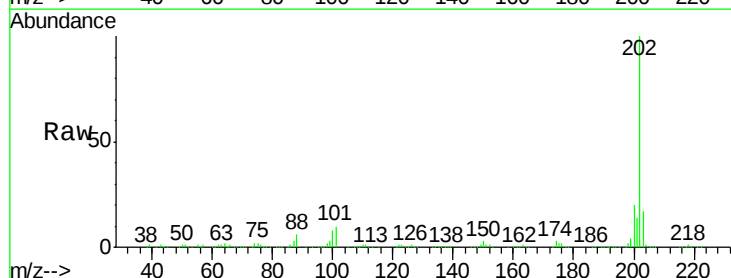
Manual Integrations
 APPROVED

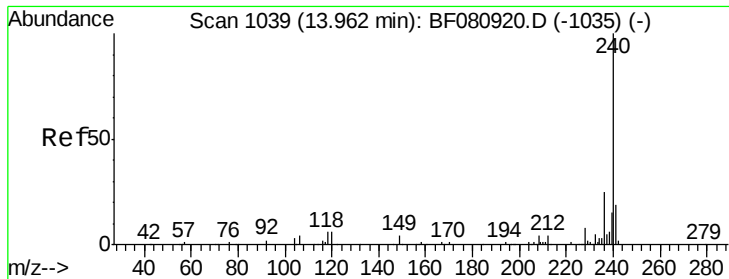
MMDadoda
 8/10/2015 7:21:09 PM



#74
 Fluoranthene
 Concen: 19.64 ng
 RT: 12.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF080932.D
 Acq: 7 Aug 2015 17:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.5
203	17.5	0.0	37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF080932.D

Acq: 7 Aug 2015 17:54

Instrument :

BNA_F

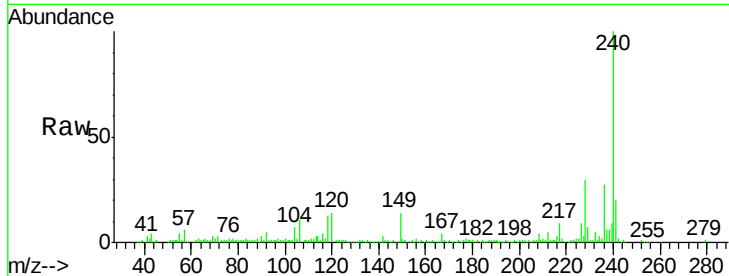
ClientSampled :

SOIL-5

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.2	7.8#
236	27.1	20.2	30.4

Manual Integrations
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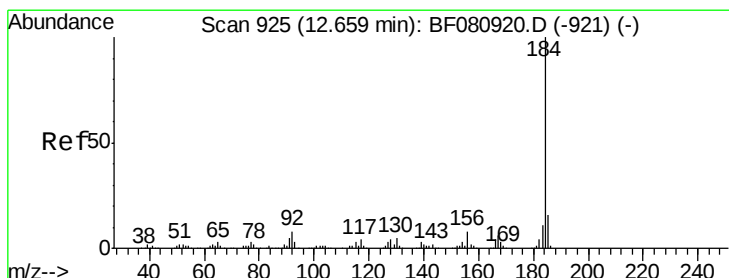
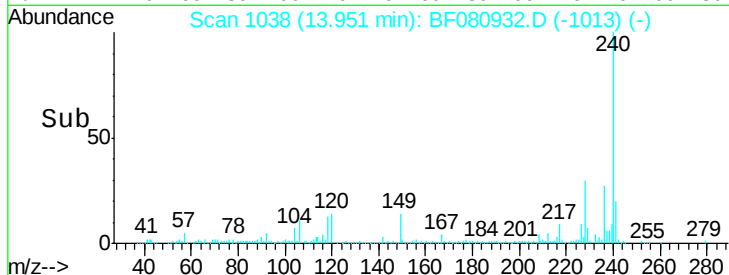
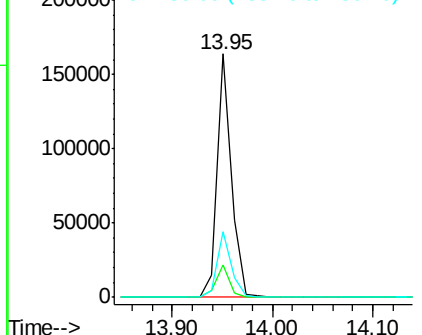
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.52 ng

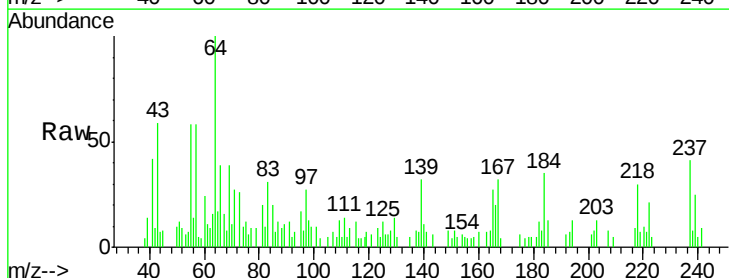
RT: 12.66 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF080932.D

Acq: 7 Aug 2015 17:54

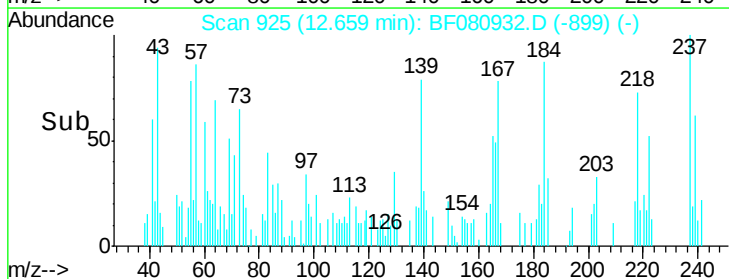
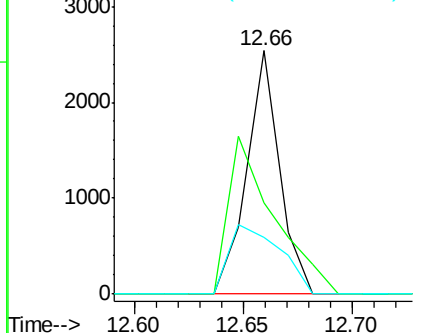
Tgt Ion	Ratio	Lower	Upper
184	100		
185	37.3	13.0	19.4#
183	23.2	8.7	13.1#

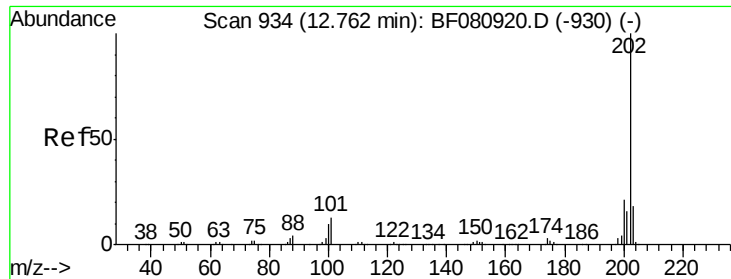


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 19.72 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF080932.D

Acq: 7 Aug 2015 17:54

Instrument :

BNA_F

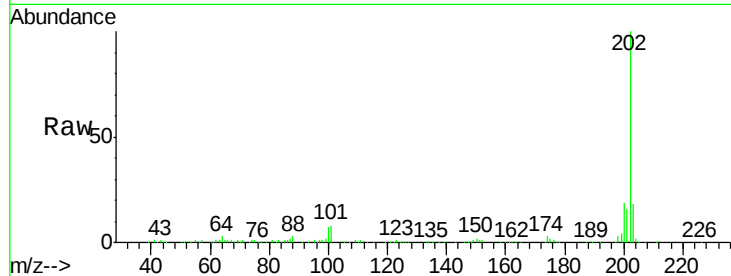
ClientSampled :

SOIL-5

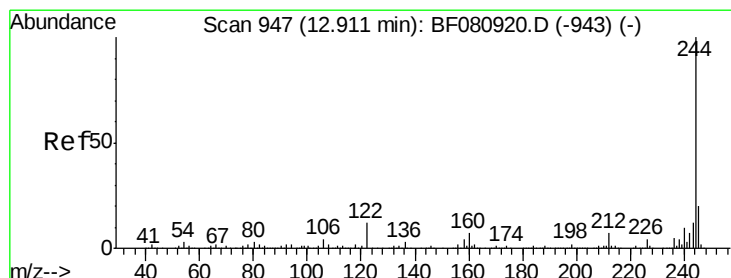
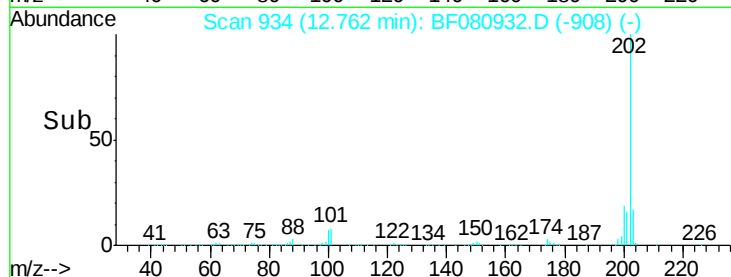
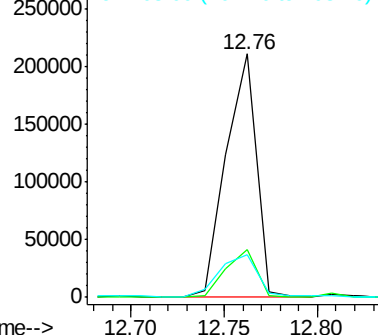
Tot Ion:	202	Resp:	236576
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.6	24.8
203	17.7	14.2	21.2

Manual Integrations
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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: 62.09 ng

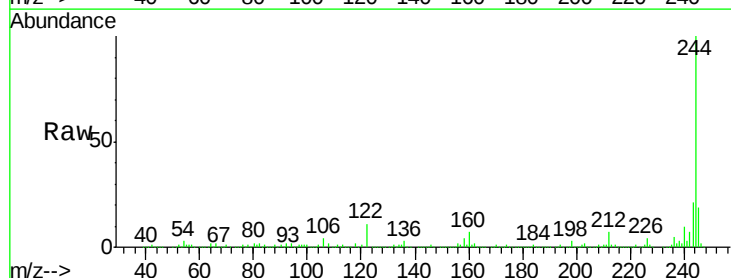
RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

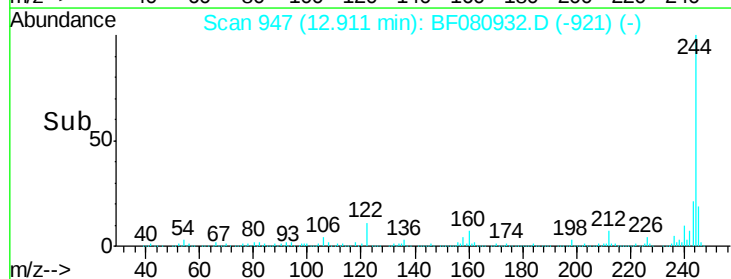
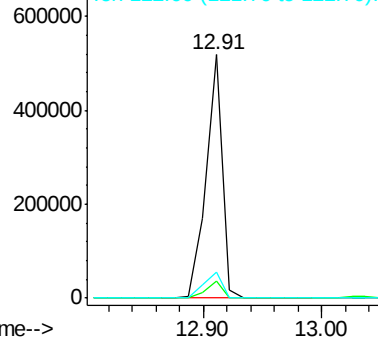
Lab File: BF080932.D

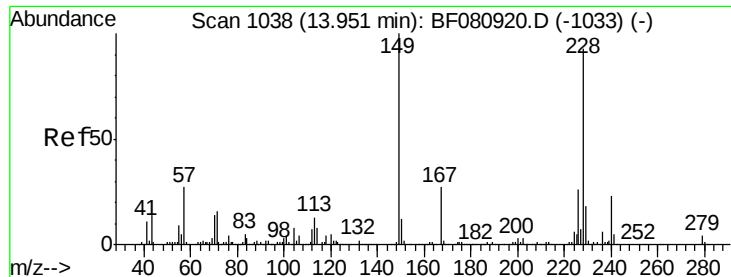
Acq: 7 Aug 2015 17:54

Tgt Ion:	244	Resp:	488151
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.8
122	10.5	9.4	14.2



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





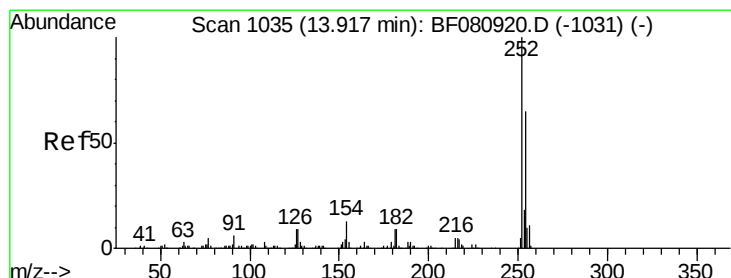
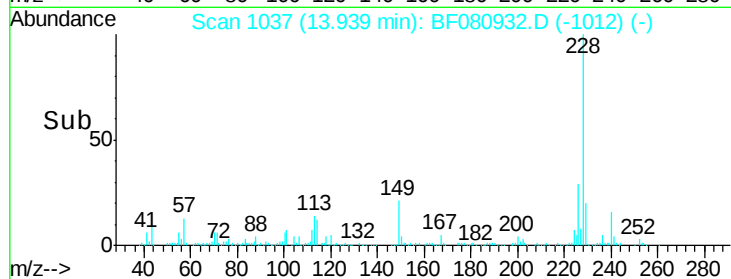
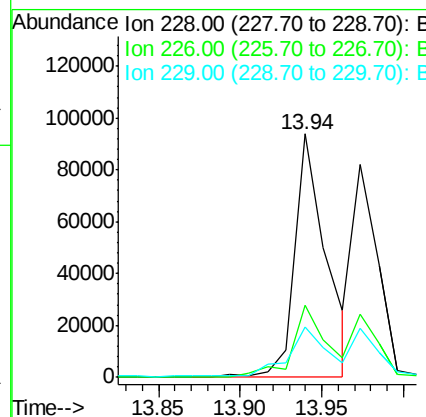
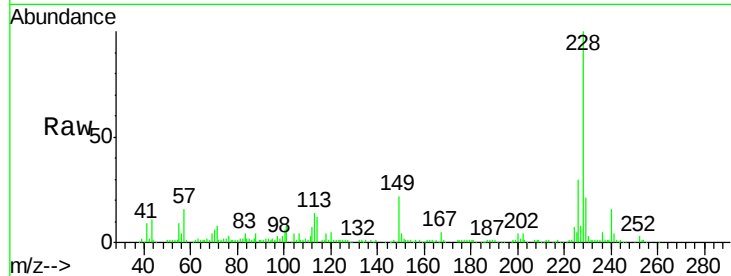
#80
Benzo(a)anthracene
Concen: 12.32 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Instrument :
BNA_F
ClientSampled :
SOIL-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	20.6	15.8	23.6

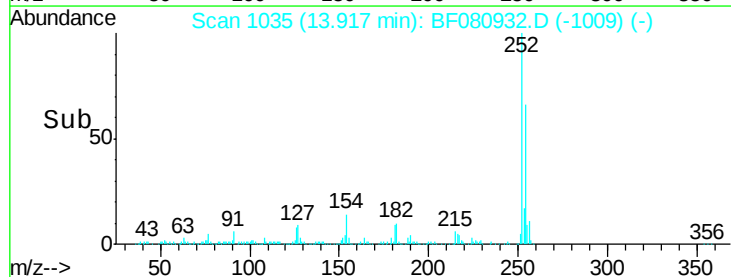
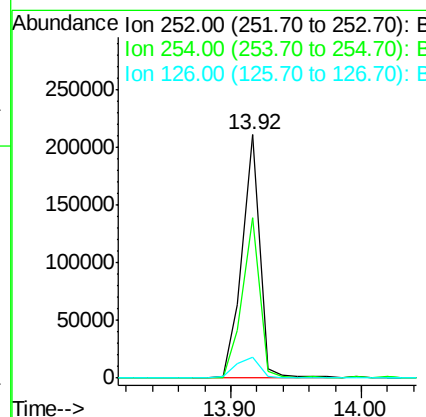
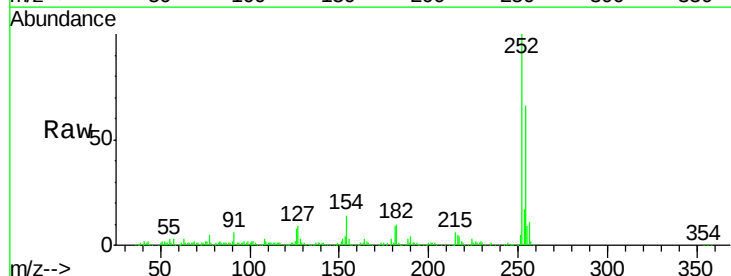
Manual Integrations
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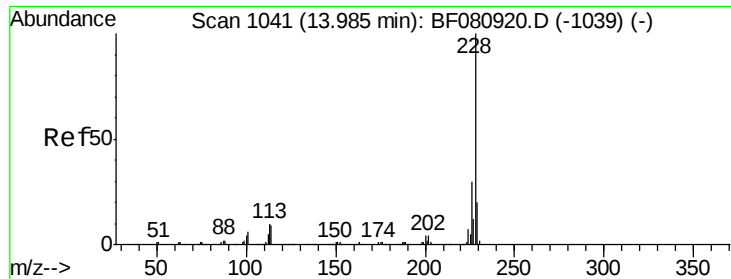
MMDadoda
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#81
3,3'-Dichlorobenzidine
Concen: 53.44 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.7	77.5
126	8.5	7.1	10.7





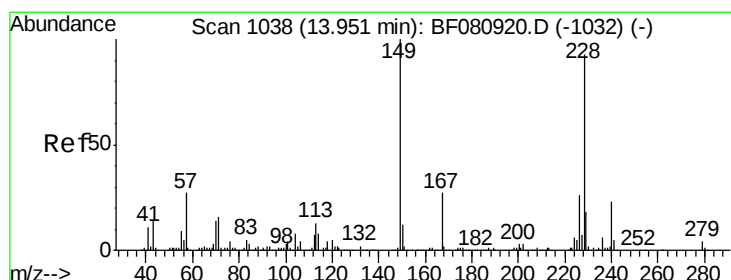
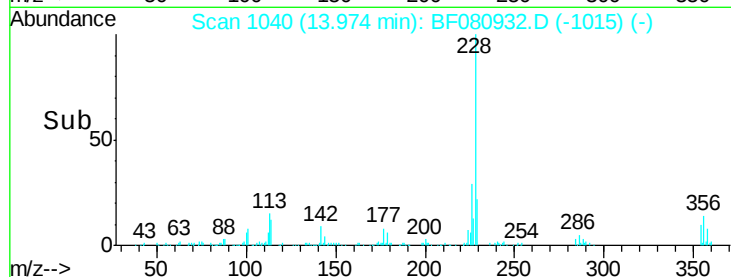
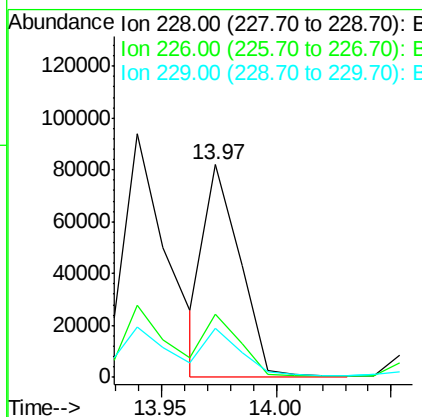
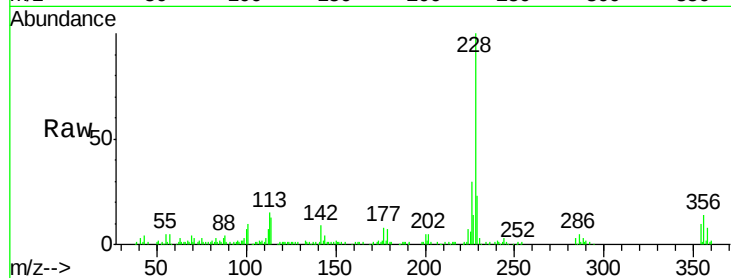
#82
Chrysene
Concen: 9.09 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Instrument :
BNA_F
ClientSampleId :
SOIL-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	22.9	15.8	23.6

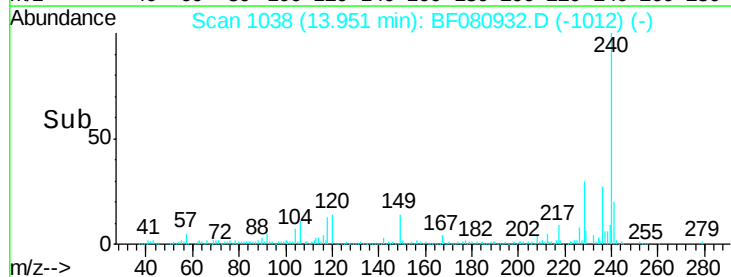
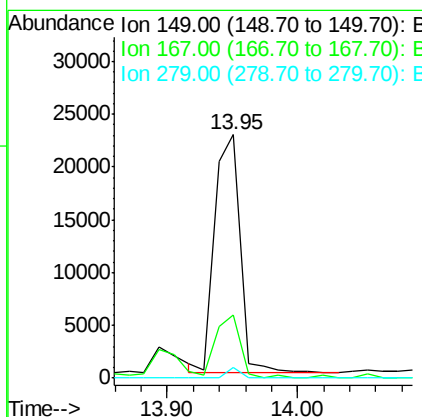
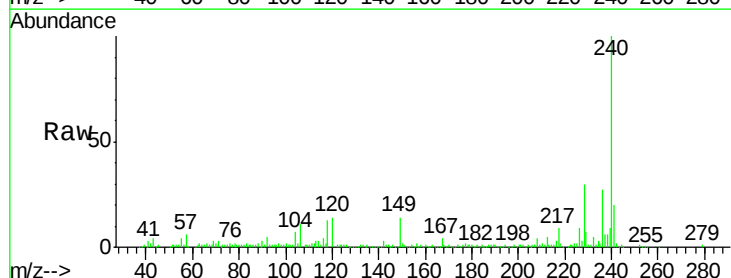
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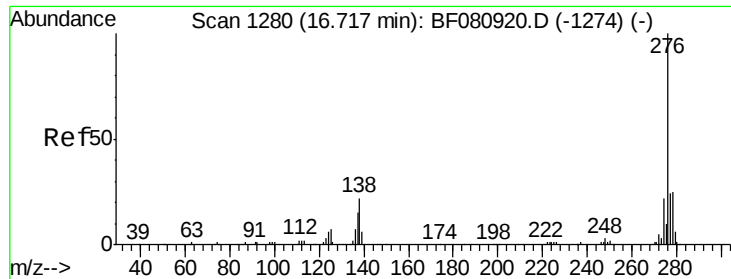
MMDadoda
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#83
Bis(2-ethylhexyl)phthalate
Concen: 3.82 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.4	32.0
279	4.4	2.9	4.3#





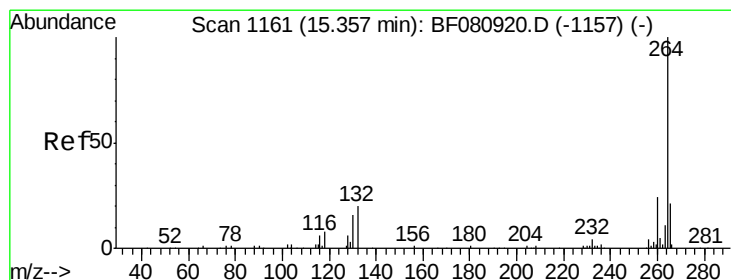
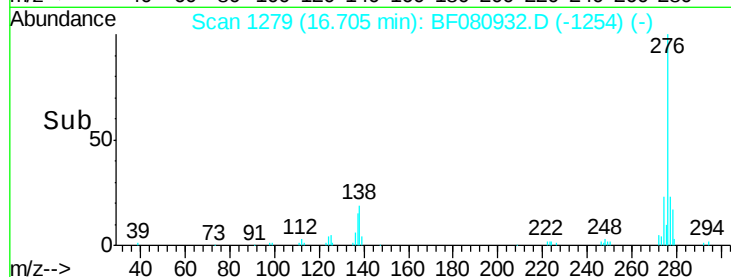
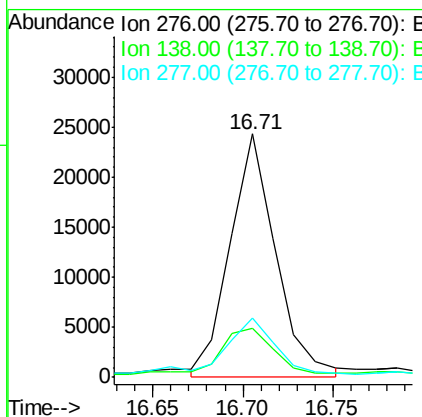
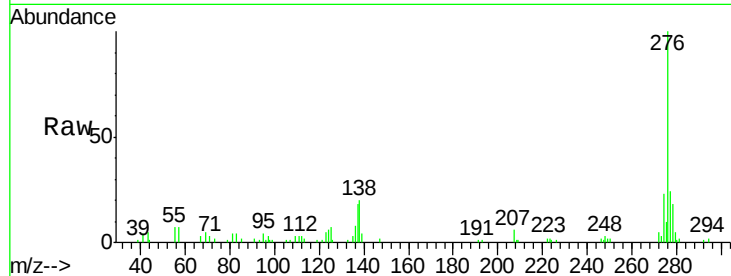
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.62 ng/ml
RT: 16.71 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Instrument :
BNA_F
ClientSampleId :
SOIL-5

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.6	19.9	29.9#
277	5.5	19.7	29.5#

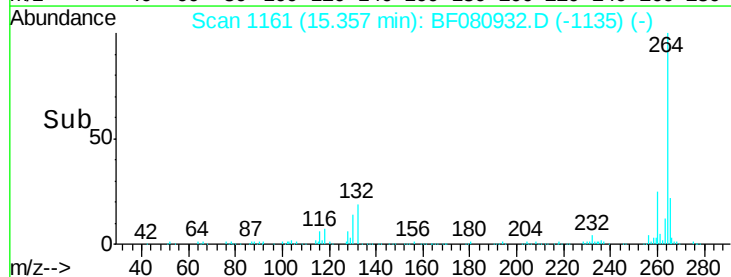
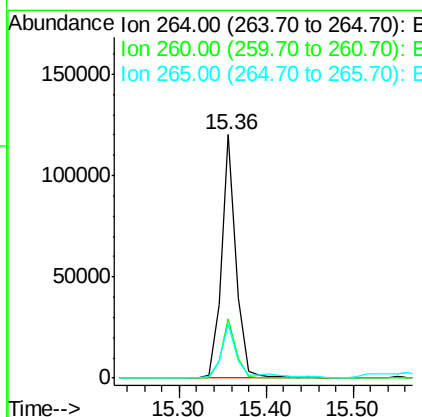
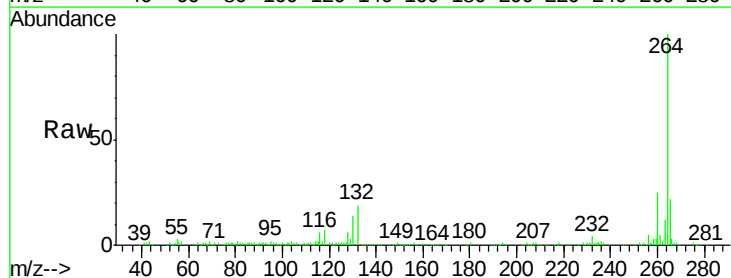
Manual Integrations
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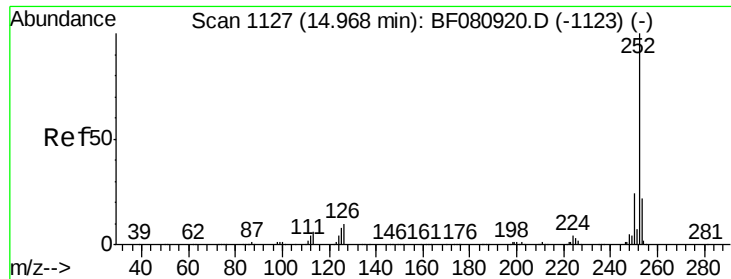
MMDadoda
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF080932.D
Acq: 7 Aug 2015 17:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	22.0	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 10.48 ng m

RT: 14.96 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF080932.D

Acq: 7 Aug 2015 17:54

Instrument :

BNA_F

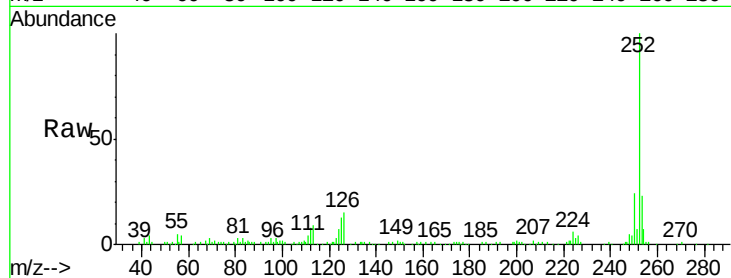
ClientSampled :

SOIL-5

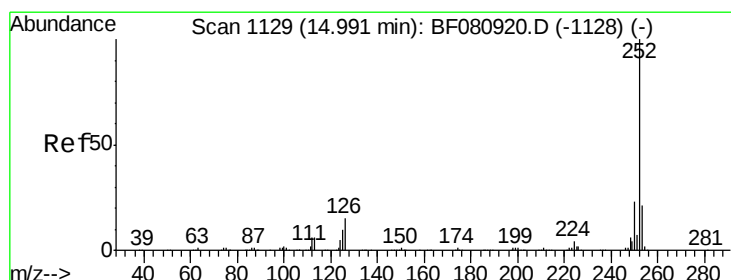
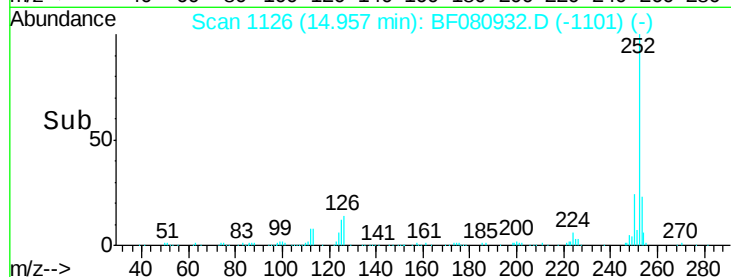
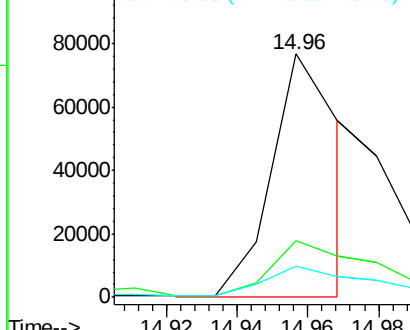
Tot Ion:	252	Resp:	103113
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.6	26.4
125	13.0	6.1	9.1#

Manual Integrations
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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: 5.48 ng m

RT: 14.97 min Scan# 1127

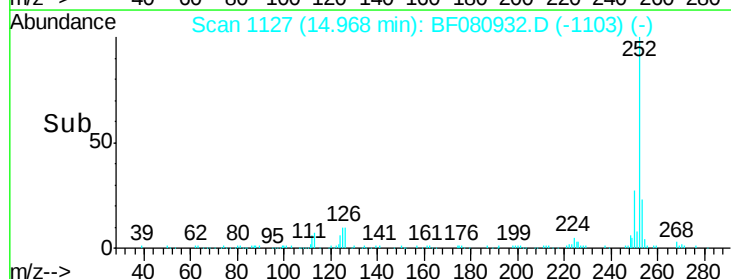
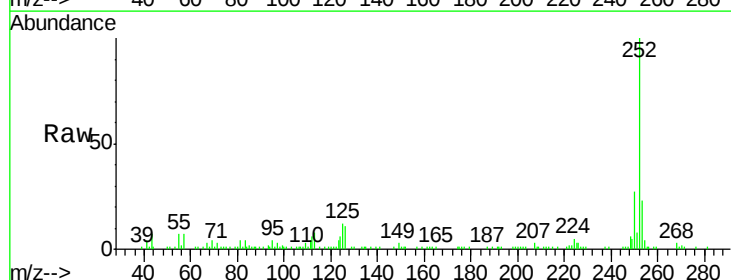
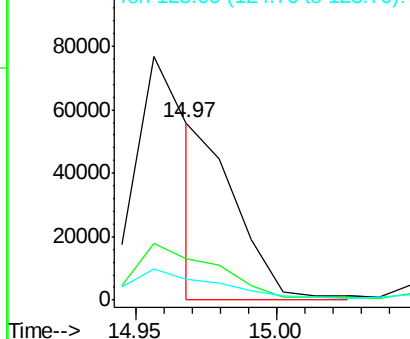
Delta R.T. -0.02 min

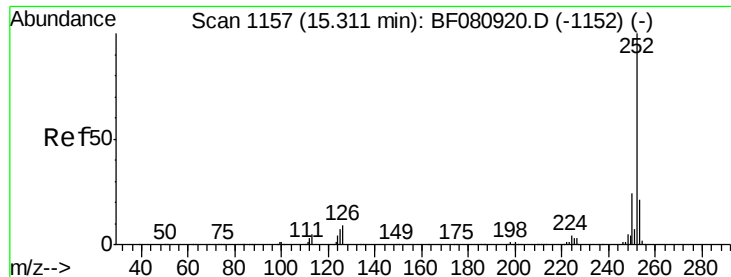
Lab File: BF080932.D

Acq: 7 Aug 2015 17:54

Tgt Ion:	252	Resp:	47065
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.2
125	11.6	9.0	13.6

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





#89

Benzo(a)pyrene

Concen: 8.34 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF080932.D

Acq: 7 Aug 2015 17:54

Instrument :

BNA_F

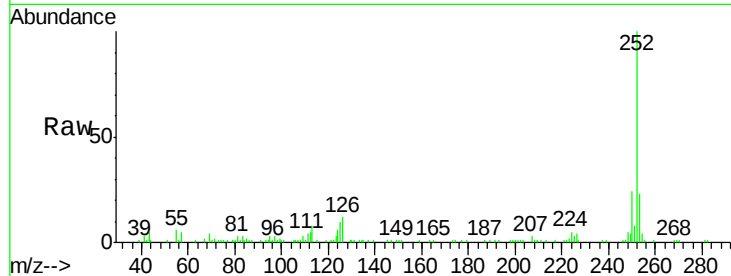
ClientSampled :

SOIL-5

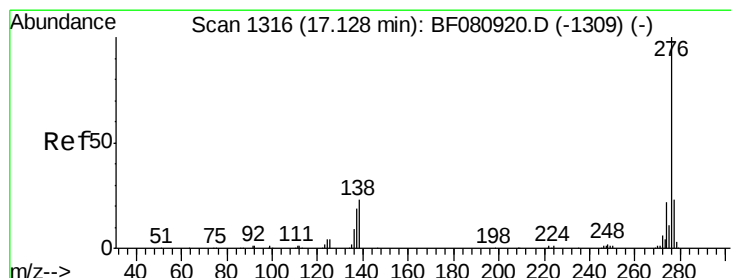
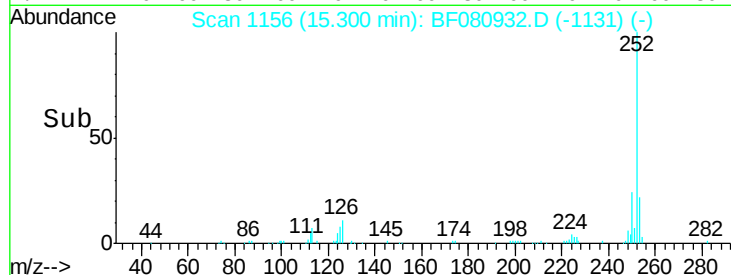
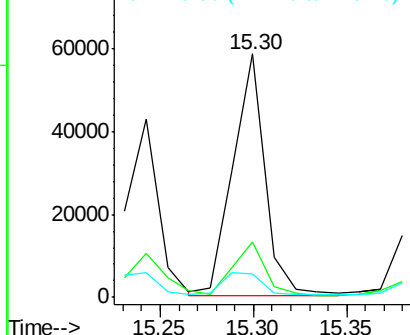
Tot Ion:	252	Resp:	70589
Ion Ratio	Lower	Upper	
252	100		
253	22.9	16.9	25.3
125	9.7	5.8	8.8#

Manual Integrations
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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: 5.68 ng

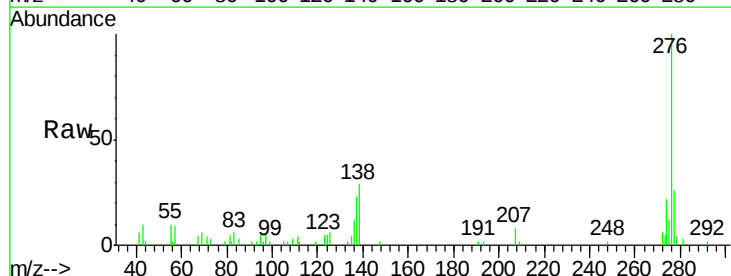
RT: 17.11 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF080932.D

Acq: 7 Aug 2015 17:54

Tgt Ion:	276	Resp:	41341
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.6	28.0
138	28.6	18.4	27.6#



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

