

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
 Data File : BF081193.D
 Acq On : 25 Aug 2015 4:14
 Operator : UM/IZ
 Sample : G3385-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6

Manual Integrations
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Quant Time: Aug 25 04:51:03 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 23:49:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	70785	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	266953	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	124763	20.00	ng	0.00
63) Phenanthrene-d10	11.04	188	220011	20.00	ng	0.00
75) Chrysene-d12	13.65	240	147843	20.00	ng	-0.01
86) Perylene-d12	14.99	264	124467	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	489900	104.10	ng	0.01
7) Phenol-d6	6.20	99	769907	125.38	ng	0.00
23) Nitrobenzene-d5	7.11	82	400948	68.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	119098	110.12	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	621577	65.28	ng	0.00
78) Terphenyl-d14	12.62	244	470647	68.25	ng	0.00
Target Compounds						Qvalue
30) 1,2,4-Trichlorobenzene	7.77	180	22814	5.42	ng	98
49) Dimethylphthalate	9.30	163	211165	20.55	ng	100
61) 4-Nitroaniline	10.14	138	77253	27.38	ng	# 84
70) Phenanthrene	11.06	178	162981	12.50	ng	99
71) Anthracene	11.11	178	67147	5.29	ng	96
74) Fluoranthene	12.24	202	431991	30.70	ng	96
77) Pyrene	12.46	202	340243	28.31	ng	96
80) Benzo(a)anthracene	13.65	228	207275	20.91	ng	98
81) 3,3'-Dichlorobenzidine	13.61	252	50356	15.68	ng	# 94
82) Chrysene	13.68	228	179267	20.06	ng	98
83) Bis(2-ethylhexyl)phthalate	13.67	149	29858	4.51	ng	96
85) Indeno(1,2,3-cd)pyrene	16.16	276	81154	12.94	ng	96
87) Benzo(b)fluoranthene	14.64	252	250518m	28.45	ng	
88) Benzo(k)fluoranthene	14.65	252	37967m	4.63	ng	
89) Benzo(a)pyrene	14.93	252	146265	19.07	ng	# 90
90) Dibenzo(a,h)anthracene	16.17	278	20195m	3.38	ng	
91) Benzo(g,h,i)perylene	16.51	276	72240	11.91	ng	# 85

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

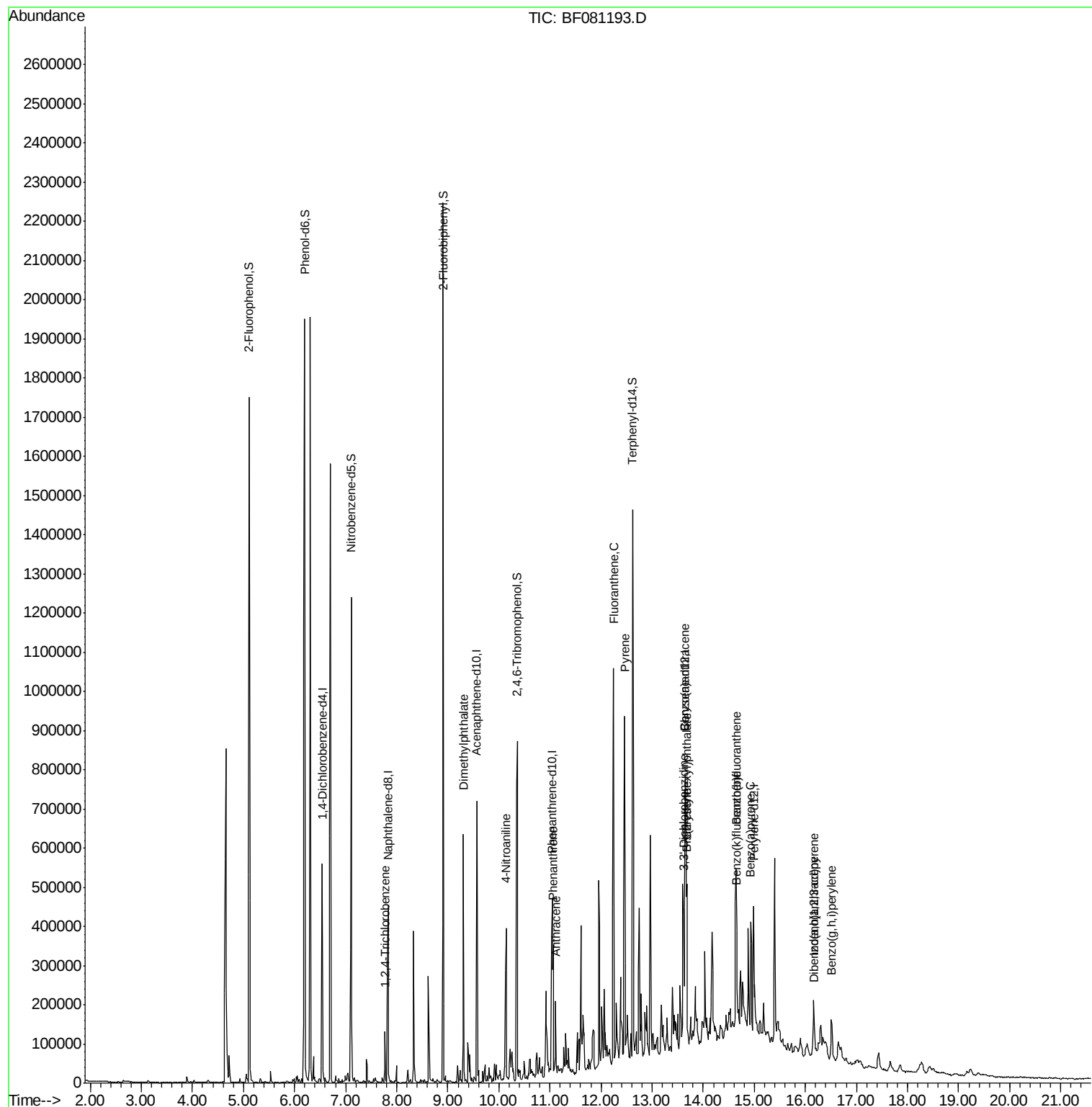
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#1

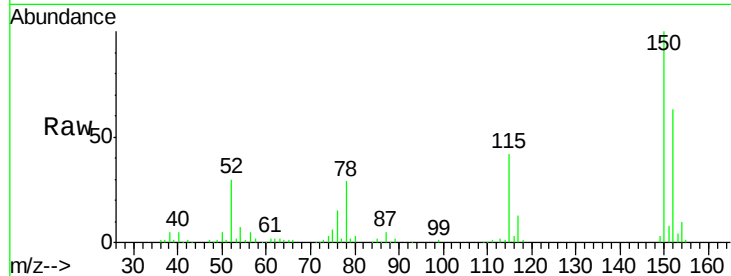
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 407
Delta R.T. -0.00 min
Lab File: BF081193.D
Acq: 25 Aug 2015 4:14

Instrument :
BNA_F
ClientSampleId :
SOIL-6

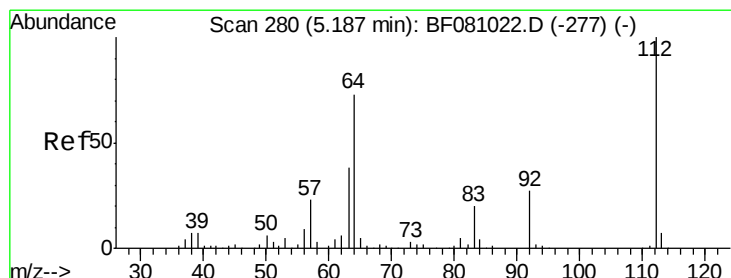
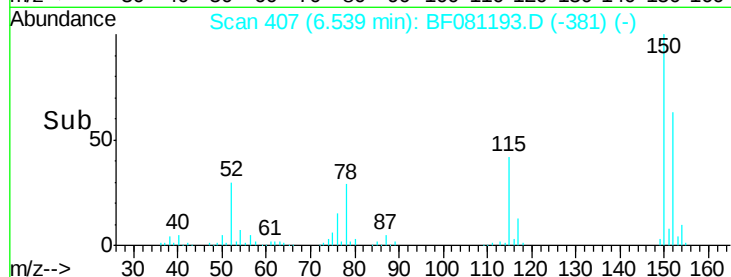
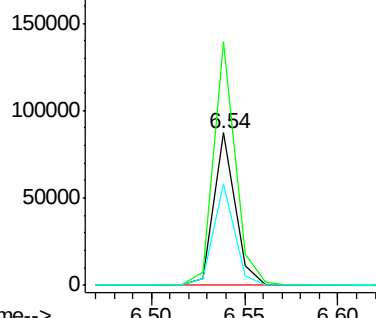
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	70785		
150	159.7	123.8	185.6	
115	66.3	52.1	78.1	

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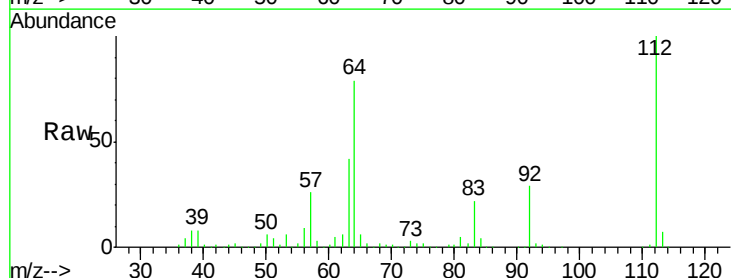
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Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



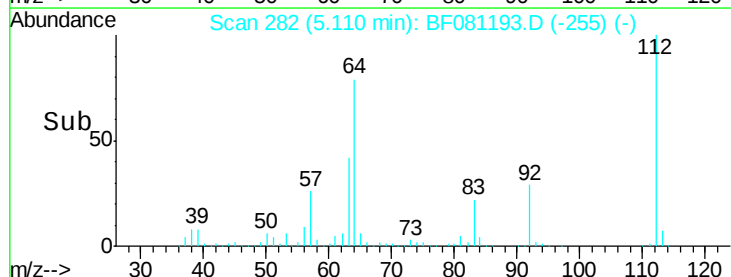
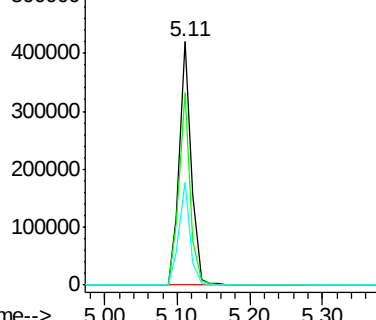
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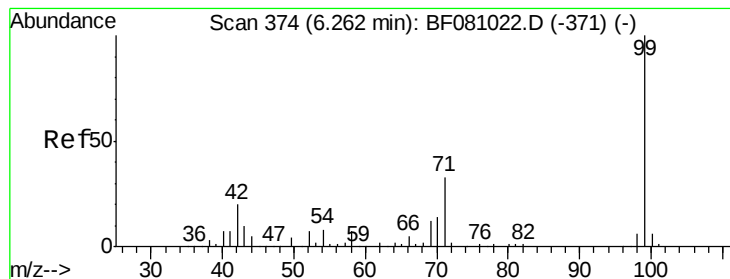
2-Fluorophenol
Concen: 104.10 ng
RT: 5.11 min Scan# 282
Delta R.T. 0.01 min
Lab File: BF081193.D
Acq: 25 Aug 2015 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	489900		
64	78.8	66.9	100.3	
63	42.0	38.1	57.1	



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: 125.38 ng

RT: 6.20 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF081193.D

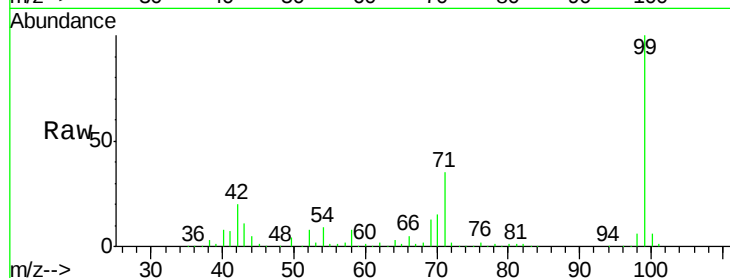
Acq: 25 Aug 2015 4:14

Instrument :

BNA_F

ClientSampleId :

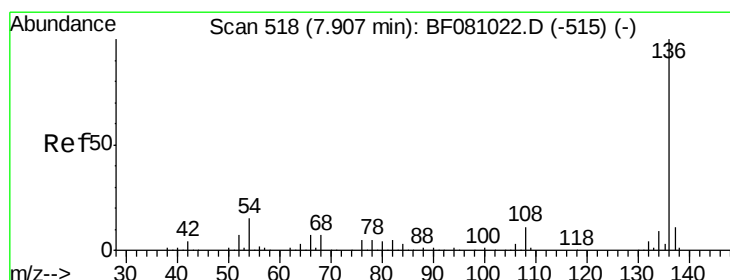
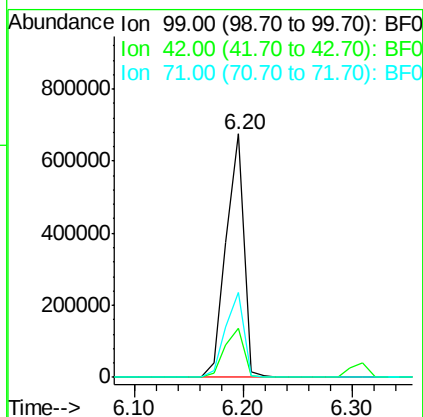
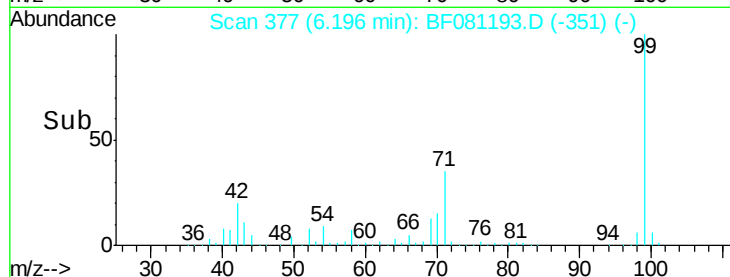
SOIL-6



Tgt Ion:	99	Resp:	769907
Ion Ratio	Lower	Upper	
99	100		
42	20.0	19.6	29.4
71	34.7	31.2	46.8

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#21

Naphthalene-d8

Concen: 20.00 ng

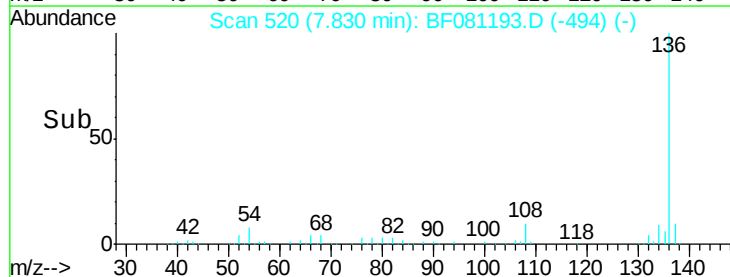
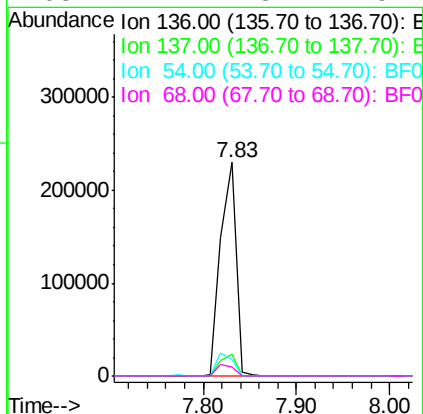
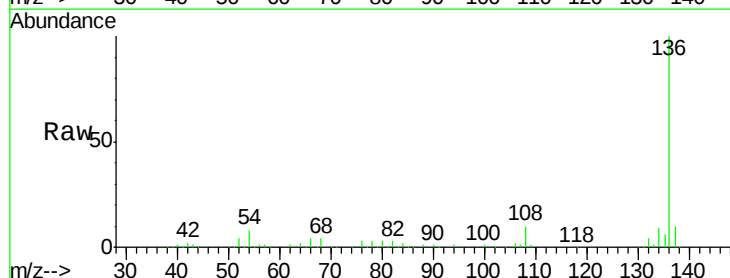
RT: 7.83 min Scan# 520

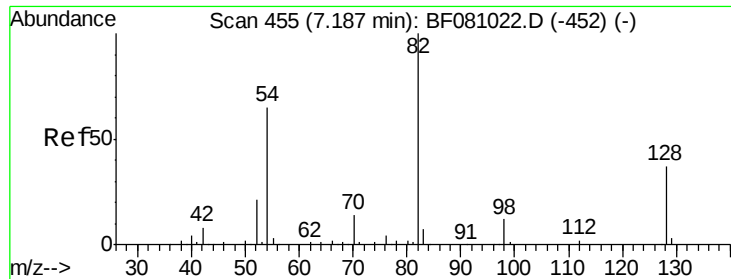
Delta R.T. -0.00 min

Lab File: BF081193.D

Acq: 25 Aug 2015 4:14

Tgt Ion:	136	Resp:	266953
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.2	12.2
54	7.7	7.7	11.5
68	4.4	3.4	5.2





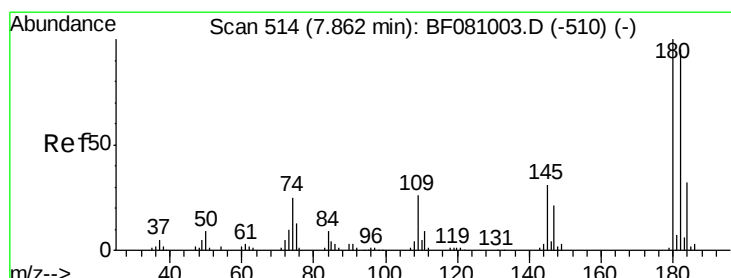
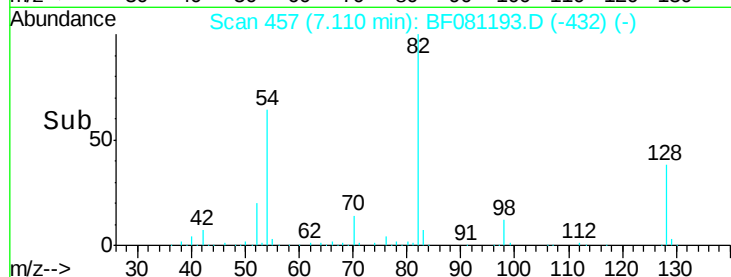
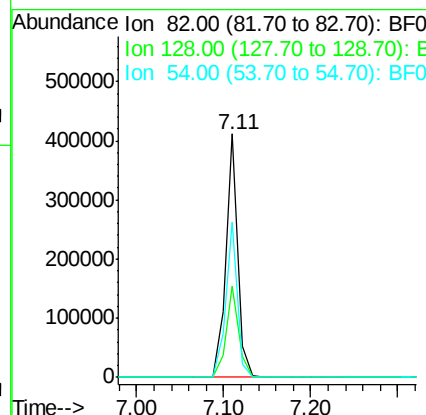
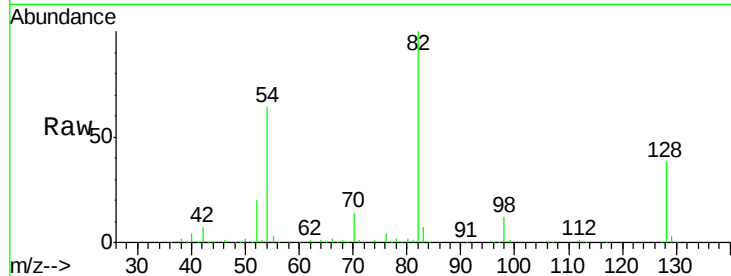
#23
 Nitrobenzene-d5
 Concen: 68.61 ng
 RT: 7.11 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF081193.D
 Acq: 25 Aug 2015 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	37.7	28.6	42.8
54	64.0	55.1	82.7

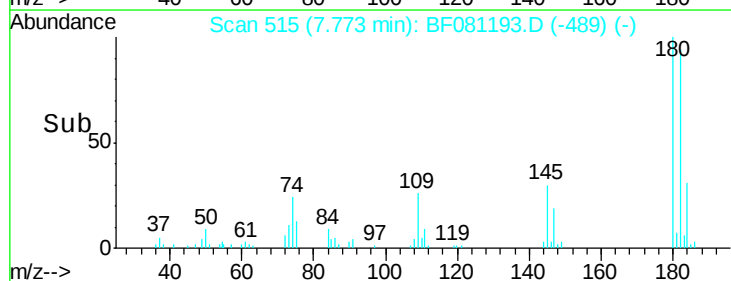
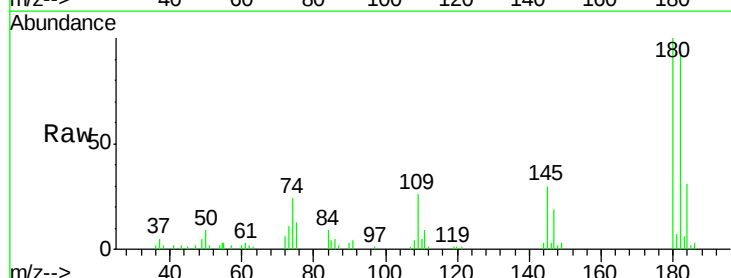
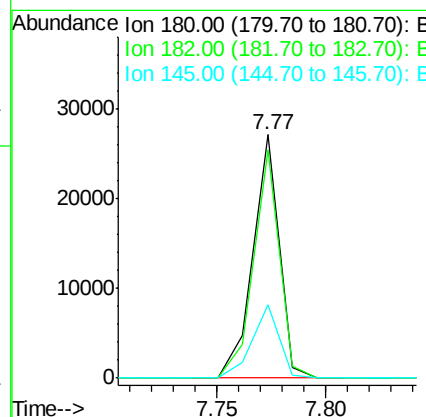
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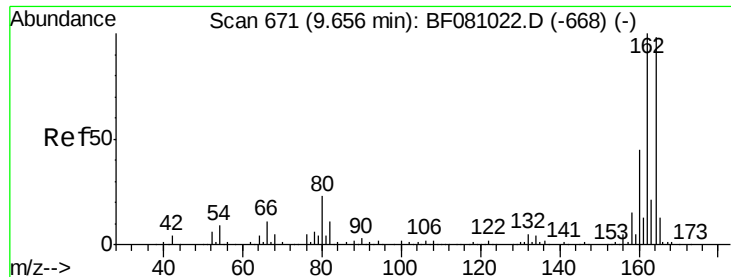
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#30
 1,2,4-Trichlorobenzene
 Concen: 5.42 ng
 RT: 7.77 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: BF081193.D
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Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.0	76.4	114.6
145	30.2	25.4	38.2





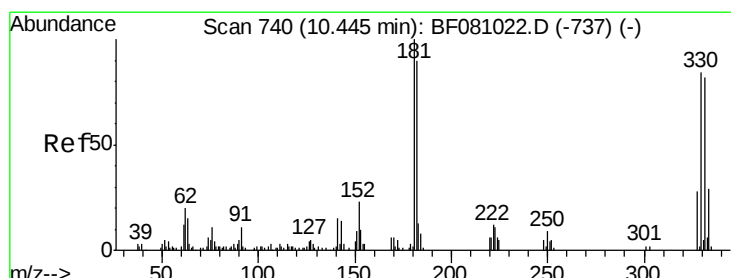
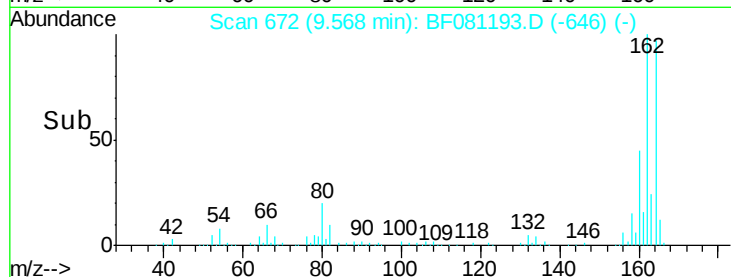
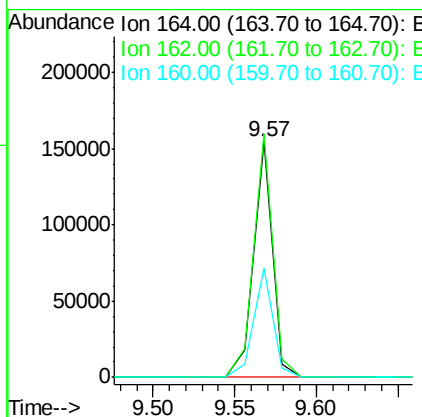
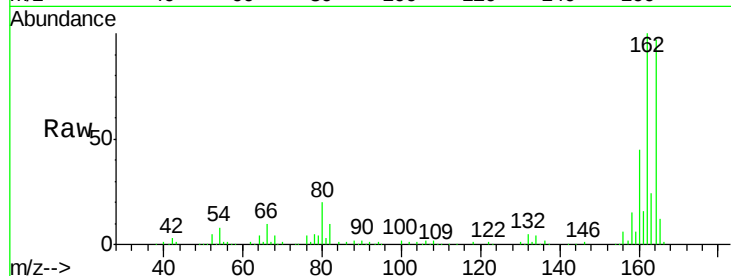
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF081193.D
Acq: 25 Aug 2015 4:14

Instrument :
BNA_F
ClientSampleId :
SOIL-6

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	124763		
162	103.3	83.8	125.8	
160	46.5	39.8	59.8	

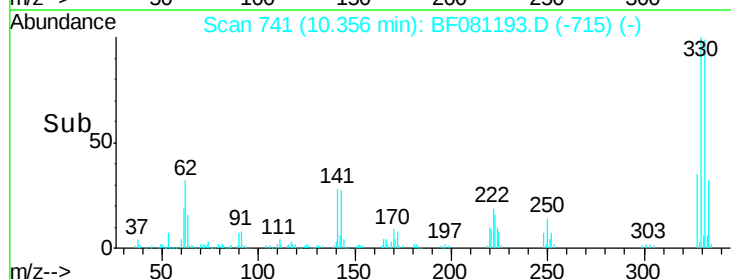
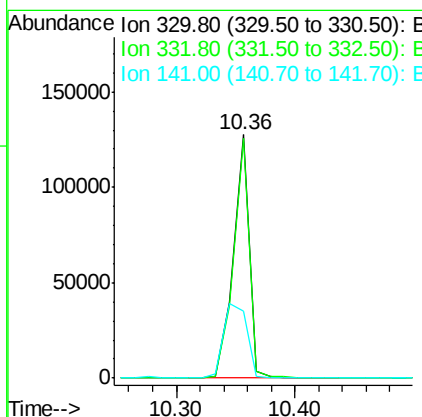
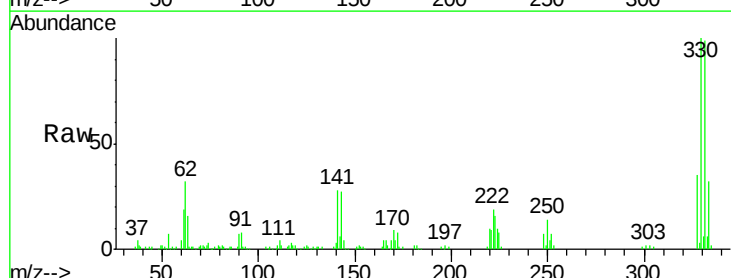
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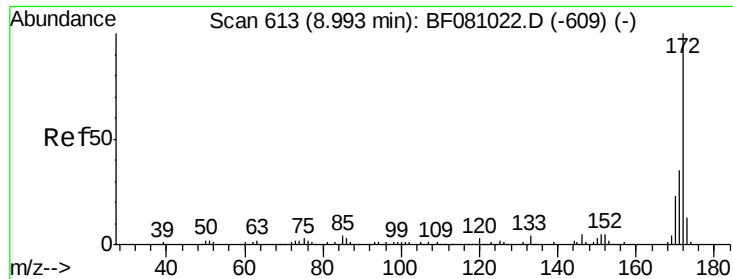
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#41
2,4,6-Tribromophenol
Concen: 110.12 ng
RT: 10.36 min Scan# 741
Delta R.T. -0.00 min
Lab File: BF081193.D
Acq: 25 Aug 2015 4:14

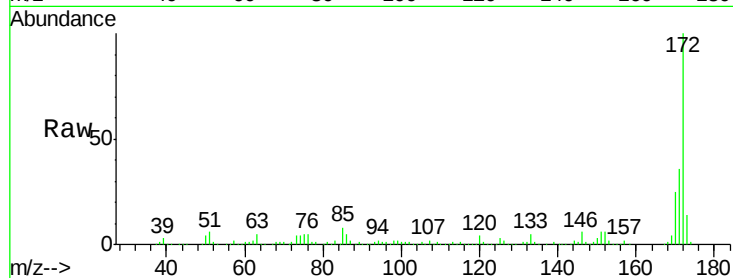
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	119098		
332	97.8	77.3	115.9	
141	45.5	44.9	67.3	





#44
 2-Fluorobiphenyl
 Concen: 65.28 ng
 RT: 8.90 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF081193.D
 Acq: 25 Aug 2015 4:14

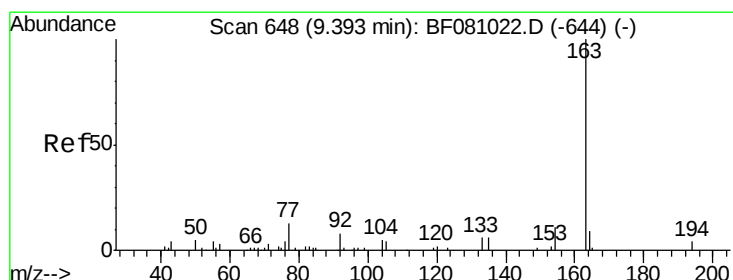
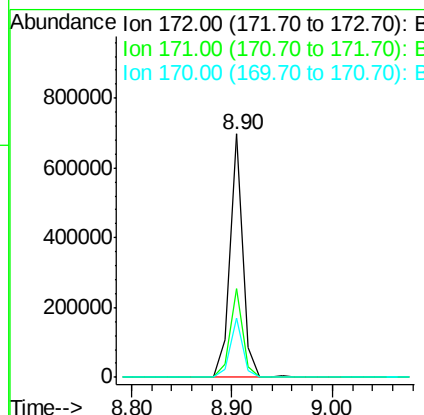
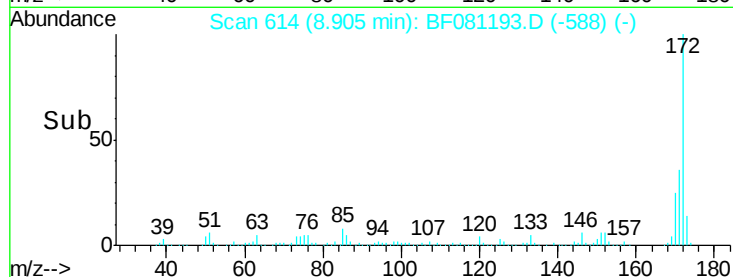
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6



Tgt Ion:	172	Resp:	621577
Ion Ratio	Lower	Upper	
172	100		
171	36.3	28.9	43.3
170	24.6	19.4	29.2

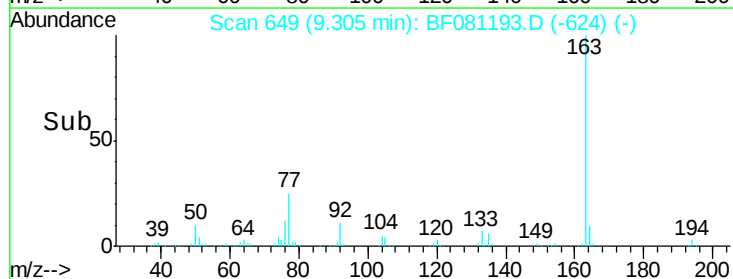
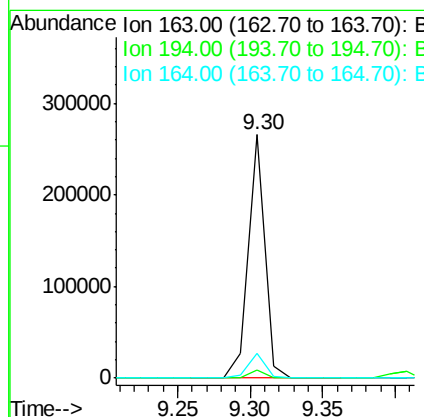
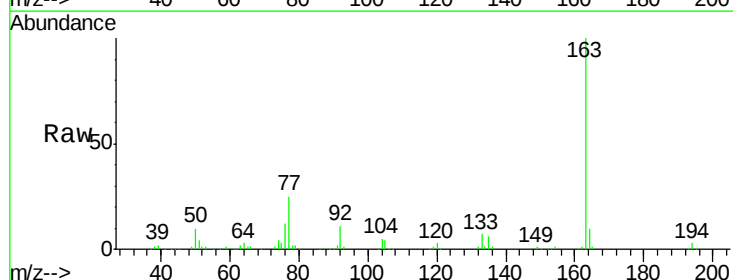
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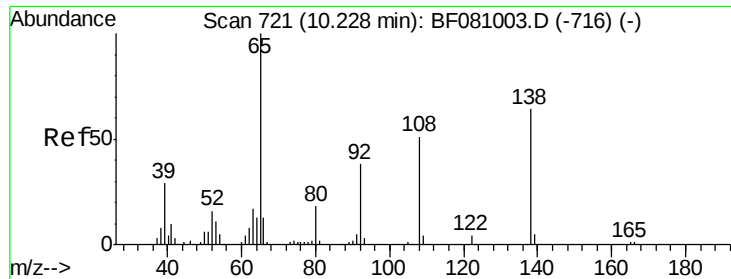
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#49
 Dimethylphthalate
 Concen: 20.55 ng
 RT: 9.30 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: BF081193.D
 Acq: 25 Aug 2015 4:14

Tgt Ion:	163	Resp:	211165
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.5	3.7
164	9.9	8.1	12.1





#61

4-Nitroaniline

Concen: 27.38 ng

RT: 10.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF081193.D

Acq: 25 Aug 2015 4:14

Instrument :

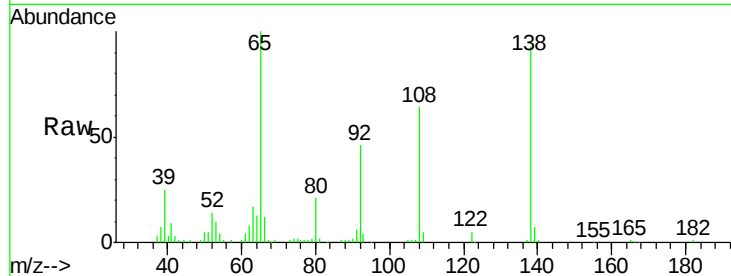
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ClientSampleId :

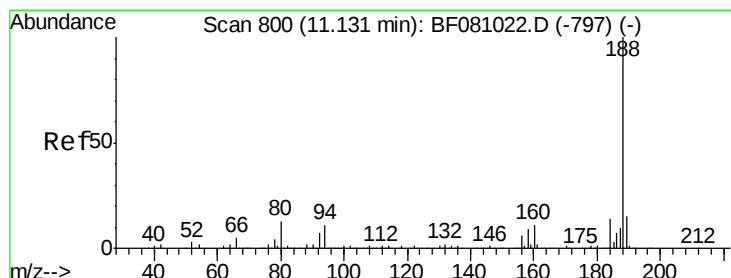
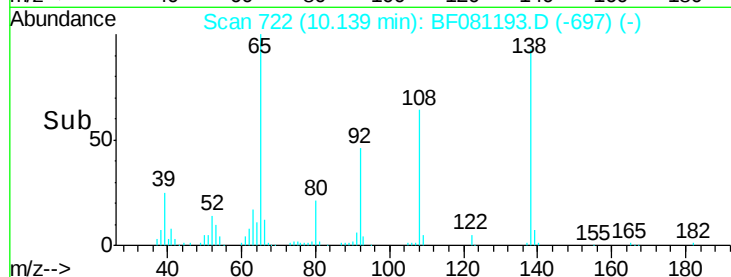
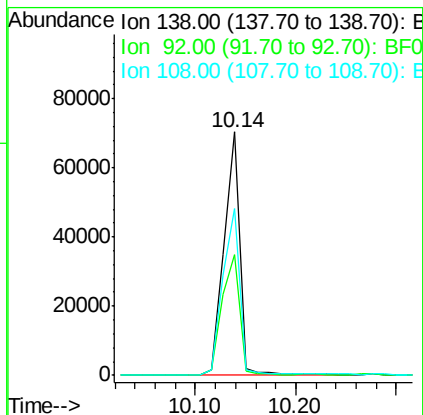
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Tgt Ion:	138	Resp:	77253
Ion Ratio	Lower	Upper	
138	100		
92	49.4	34.7	74.7
108	68.5	68.9	108.9#



#63

Phenanthrene-d10

Concen: 20.00 ng

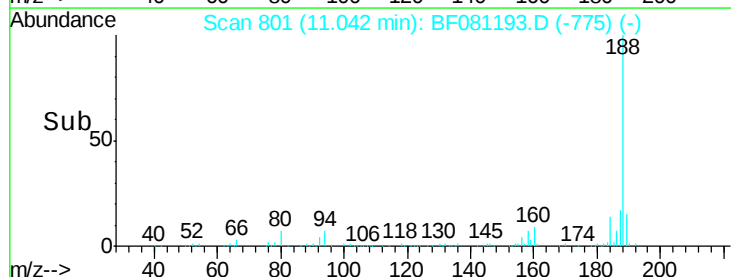
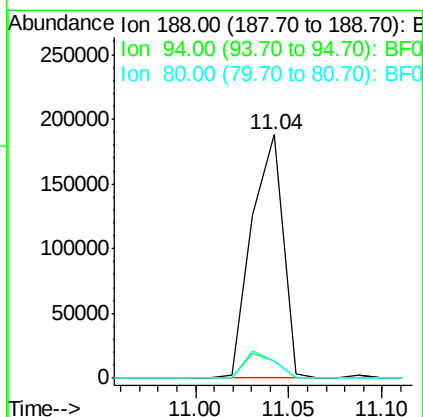
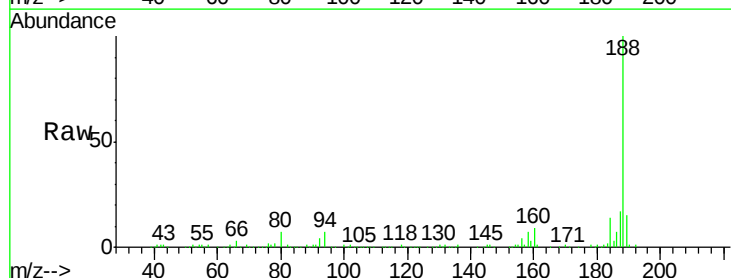
RT: 11.04 min Scan# 801

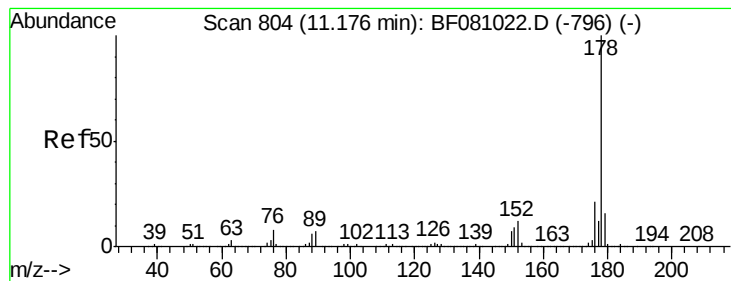
Delta R.T. -0.00 min

Lab File: BF081193.D

Acq: 25 Aug 2015 4:14

Tgt Ion:	188	Resp:	220011
Ion Ratio	Lower	Upper	
188	100		
94	6.8	8.2	12.2#
80	6.9	9.5	14.3#





#70

Phenanthrene

Concen: 12.50 ng

RT: 11.06 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF081193.D

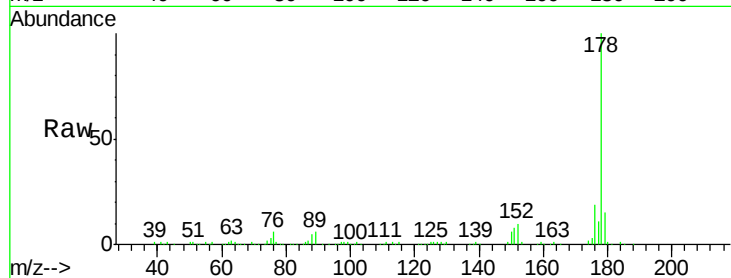
Acq: 25 Aug 2015 4:14

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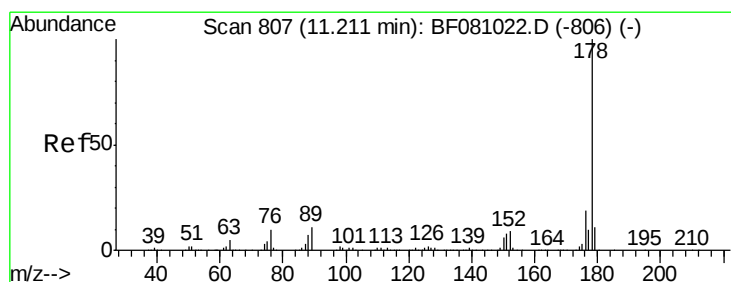
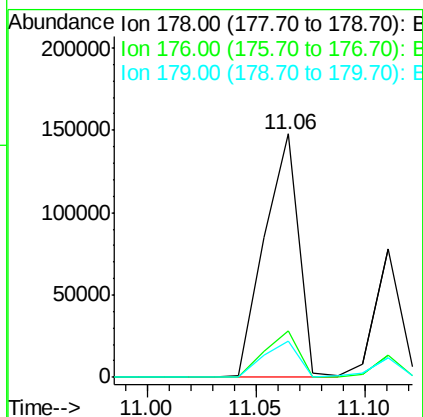
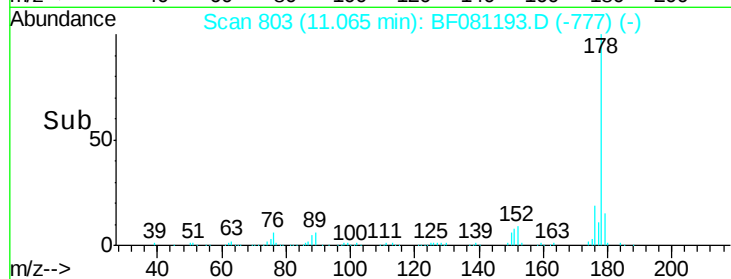
SOIL-6



Tgt Ion:	178	Resp:	162981
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.7	23.5
179	14.8	12.2	18.2

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#71

Anthracene

Concen: 5.29 ng

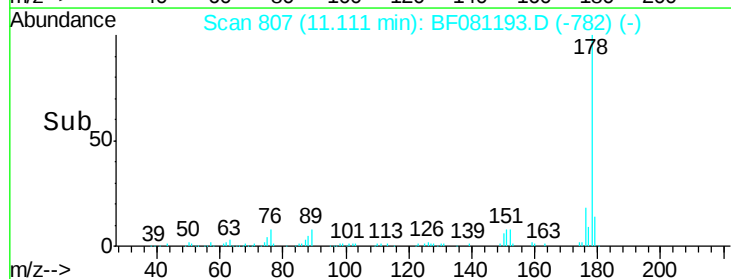
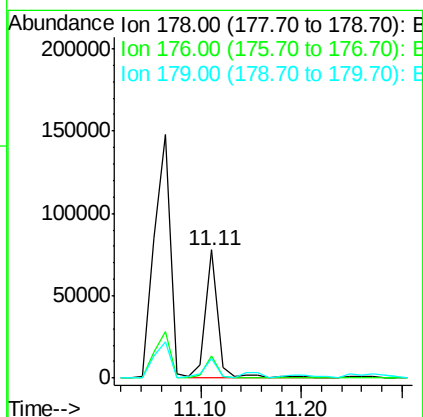
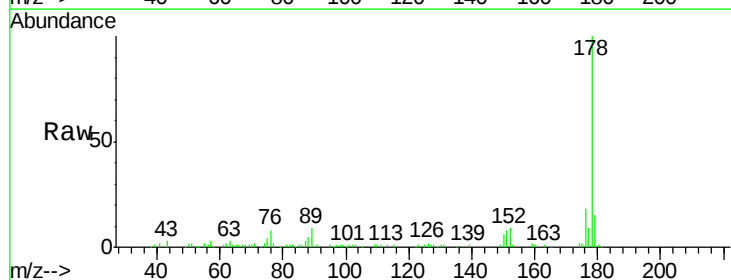
RT: 11.11 min Scan# 807

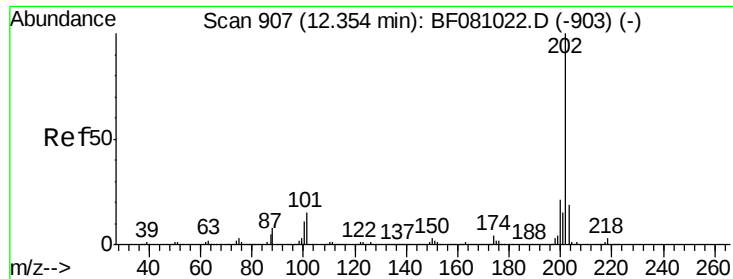
Delta R.T. -0.01 min

Lab File: BF081193.D

Acq: 25 Aug 2015 4:14

Tgt Ion:	178	Resp:	67147
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.7	23.5
179	15.0	12.7	19.1





#74

Fluoranthene

Concen: 30.70 ng

RT: 12.24 min Scan# 906

Delta R.T. -0.00 min

Lab File: BF081193.D

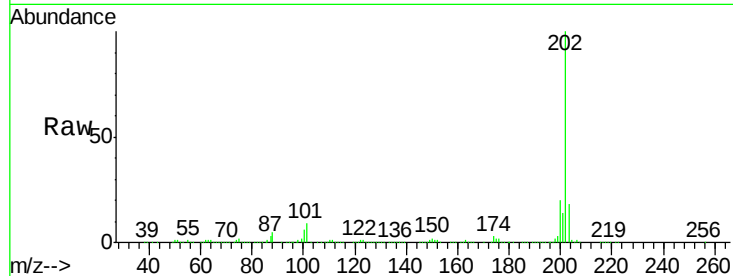
Acq: 25 Aug 2015 4:14

Instrument :

BNA_F

ClientSampleId :

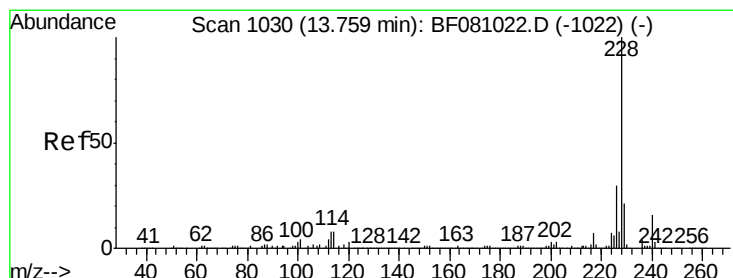
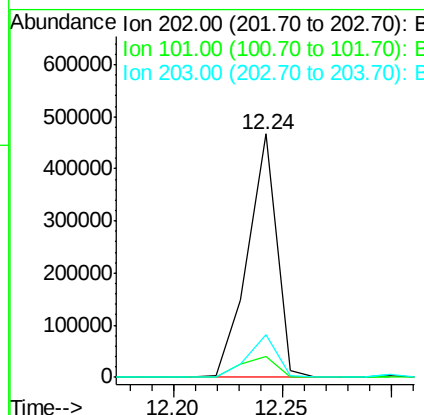
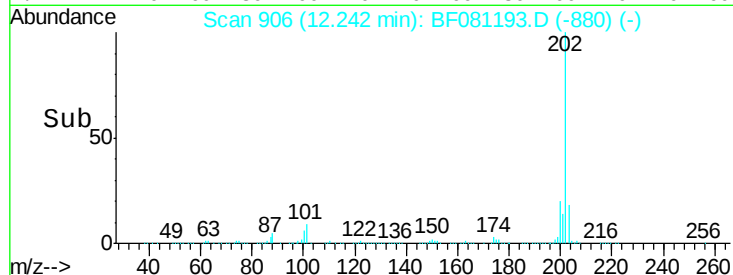
SOIL-6



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	431991		
101	8.8	0.0	24.8	
203	17.5	0.0	36.9	

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#75

Chrysene-d12

Concen: 20.00 ng

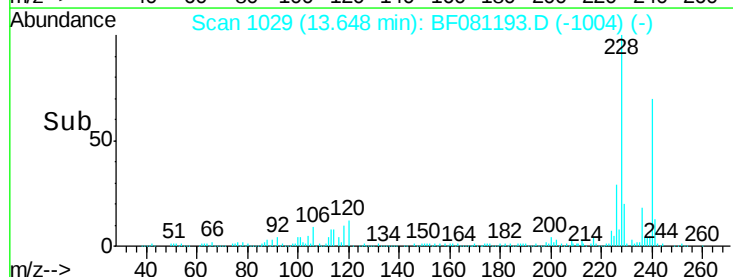
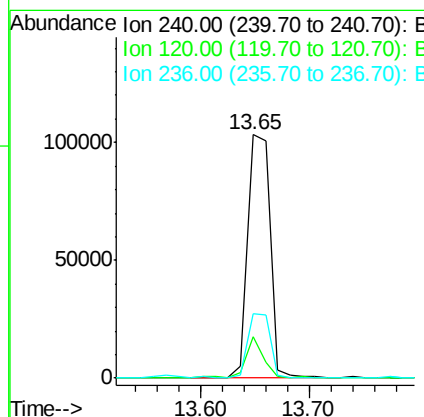
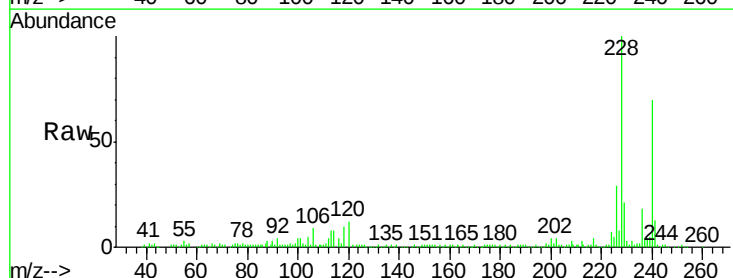
RT: 13.65 min Scan# 1029

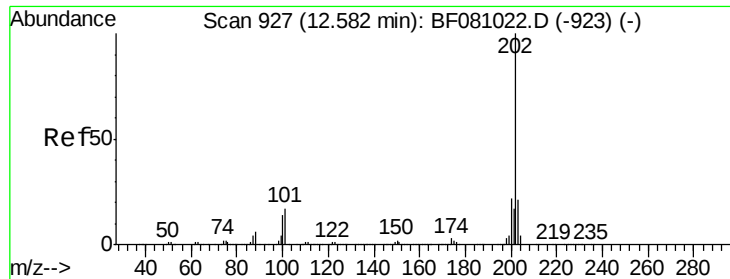
Delta R.T. -0.01 min

Lab File: BF081193.D

Acq: 25 Aug 2015 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	147843		
120	16.9	5.6	8.4#	
236	26.3	20.6	30.8	





#77

Pyrene

Concen: 28.31 ng

RT: 12.46 min Scan# 925

Delta R.T. -0.00 min

Lab File: BF081193.D

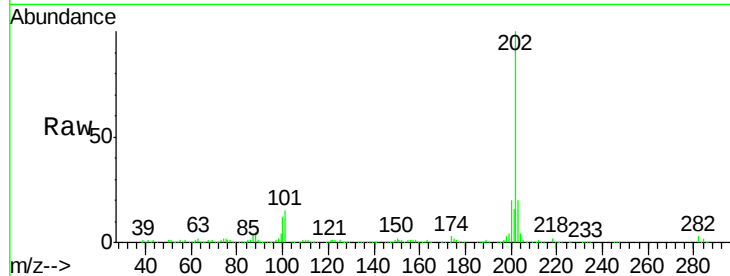
Acq: 25 Aug 2015 4:14

Instrument :

BNA_F

ClientSampleId :

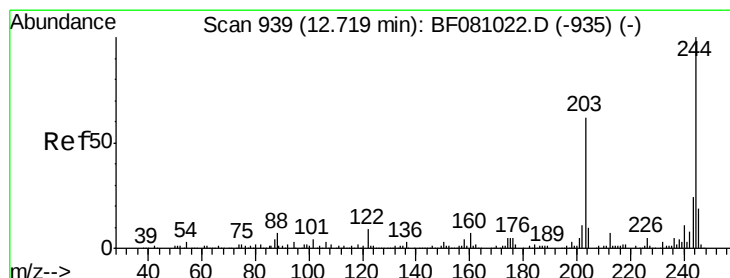
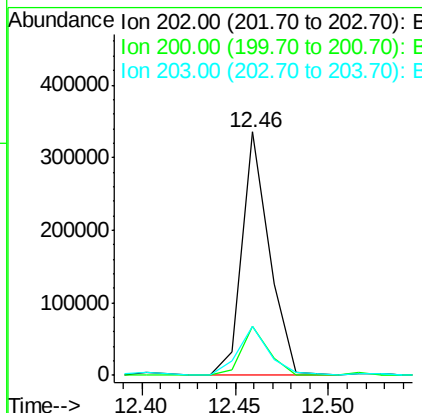
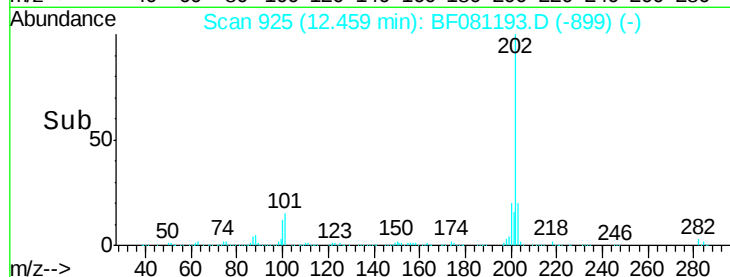
SOIL-6



Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		340243		
200	19.9	16.6	24.8		
203	20.2	14.1	21.1		

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#78

Terphenyl-d14

Concen: 68.25 ng

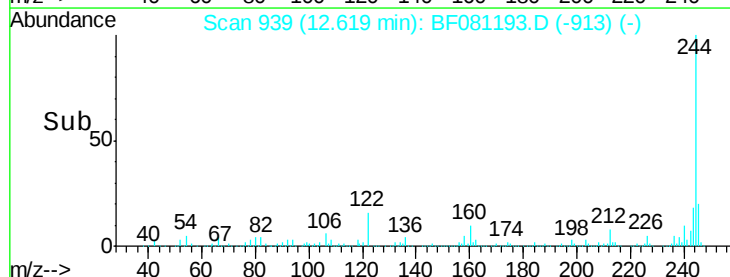
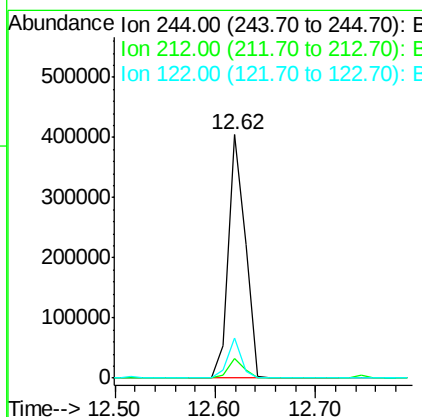
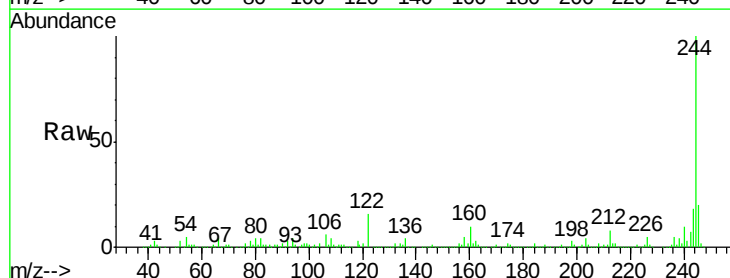
RT: 12.62 min Scan# 939

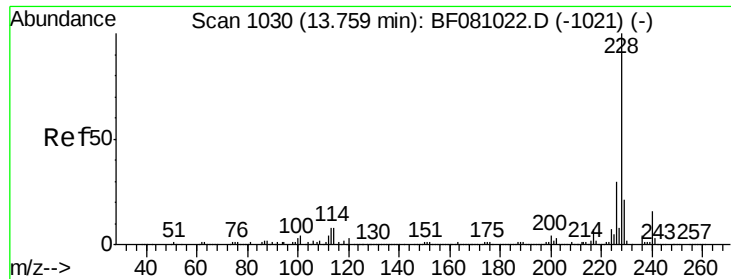
Delta R.T. -0.00 min

Lab File: BF081193.D

Acq: 25 Aug 2015 4:14

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		470647		
212	8.2	5.8	8.8		
122	16.2	8.2	12.4#		





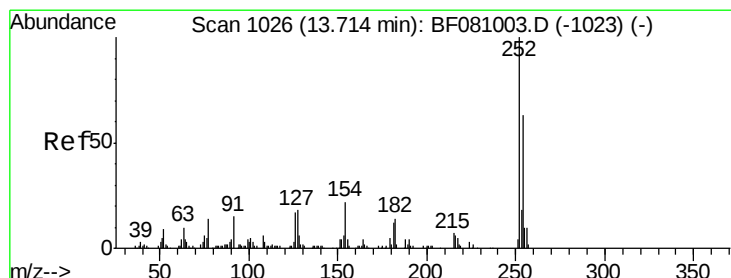
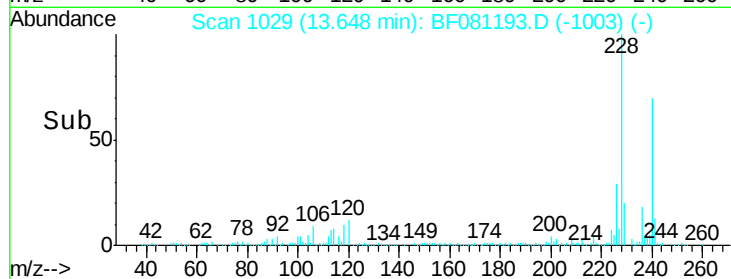
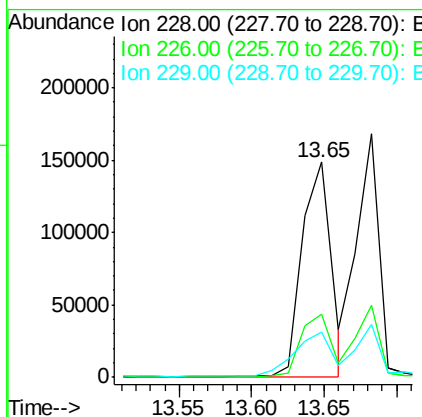
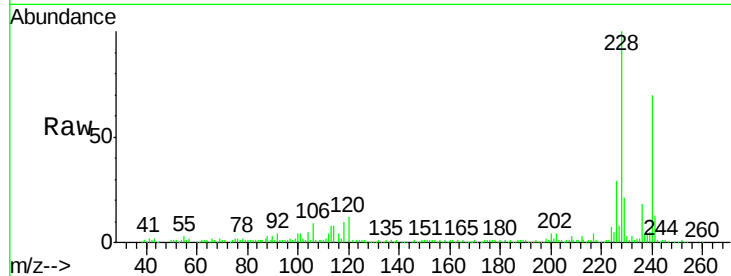
#80
Benzo(a)anthracene
Concen: 20.91 ng
RT: 13.65 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF081193.D
Acq: 25 Aug 2015 4:14

Instrument :
BNA_F
ClientSampleId :
SOIL-6

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.2	22.3	33.5
229	21.0	15.9	23.9

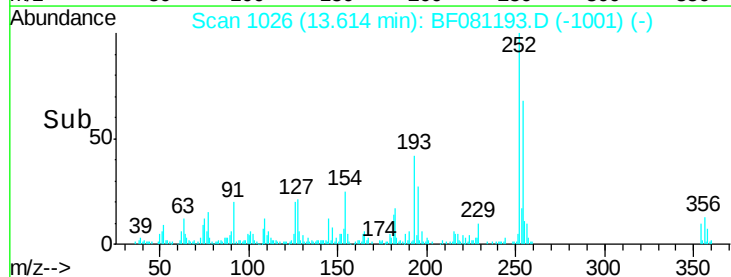
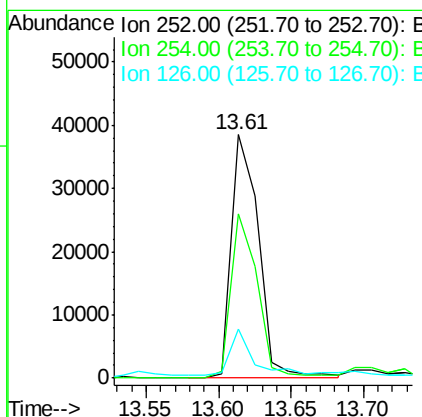
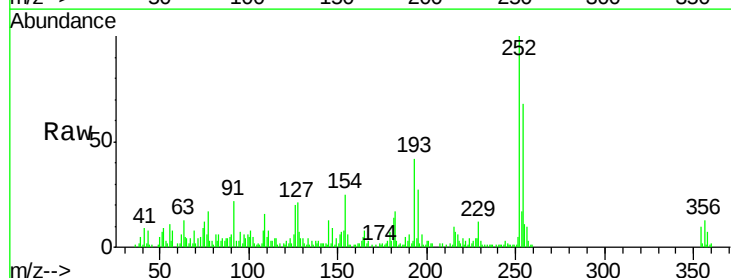
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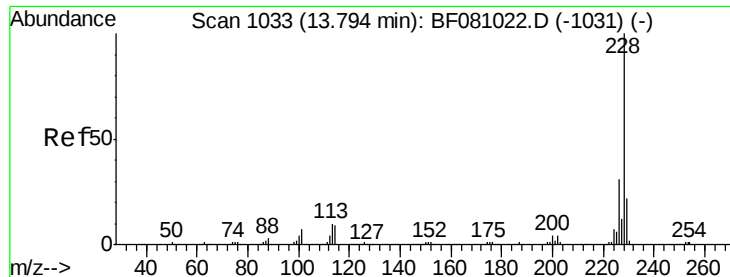
MMDadoda
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#81
3,3'-Dichlorobenzidine
Concen: 15.68 ng
RT: 13.61 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF081193.D
Acq: 25 Aug 2015 4:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	67.7	51.5	77.3
126	20.3	12.5	18.7#





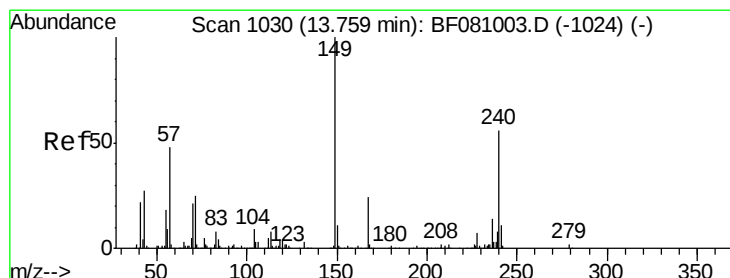
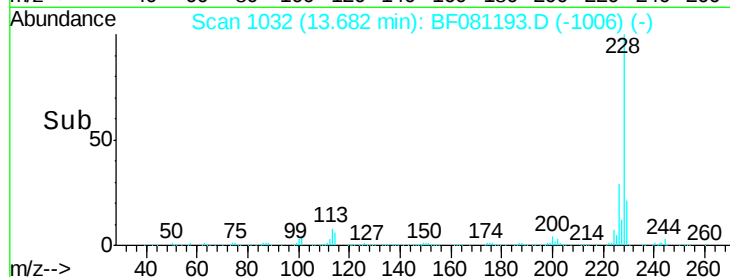
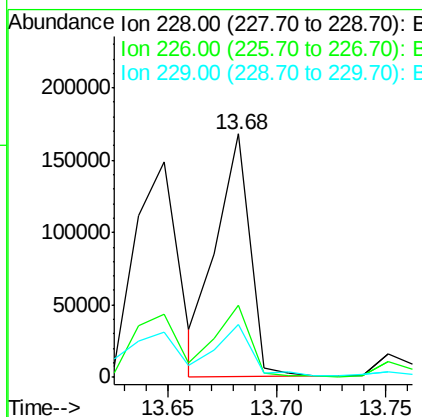
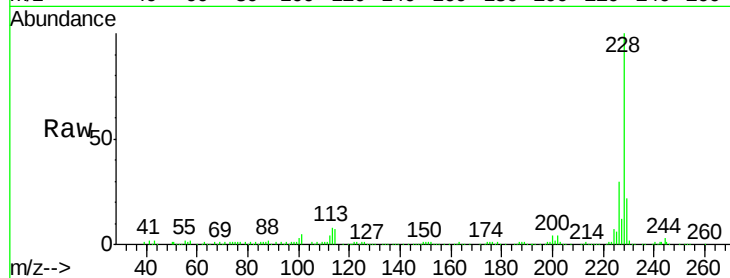
#82
 Chrysene
 Concen: 20.06 ng
 RT: 13.68 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF081193.D
 Acq: 25 Aug 2015 4:14

Instrument :
 BNA_F
 ClientSampled :
 SOIL-6

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	179267		
226	29.8	24.4	36.6	
229	21.7	16.0	24.0	

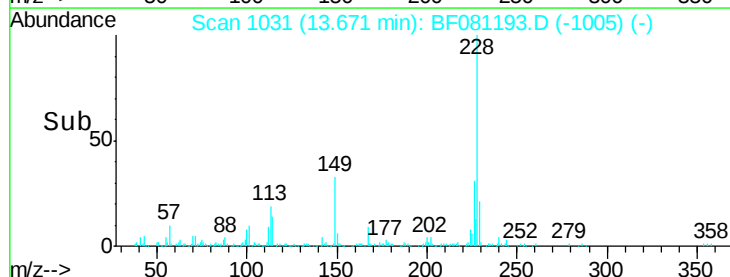
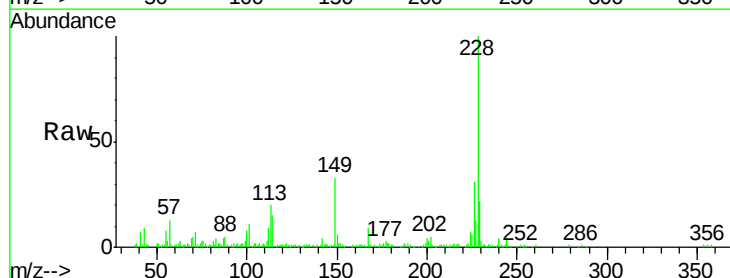
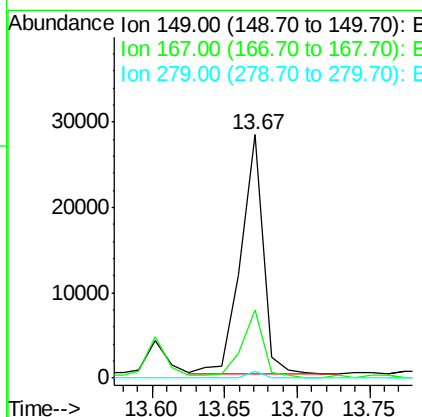
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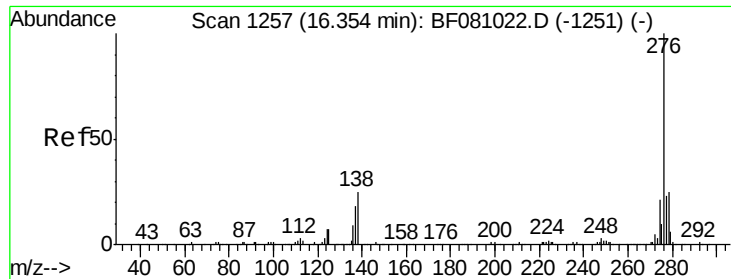
MMDadoda
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.51 ng
 RT: 13.67 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF081193.D
 Acq: 25 Aug 2015 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	29858		
167	28.2	20.7	31.1	
279	2.9	2.2	3.4	





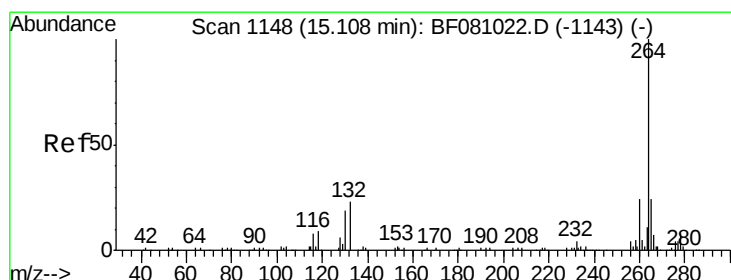
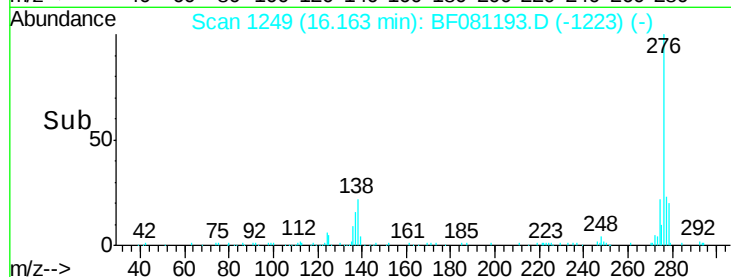
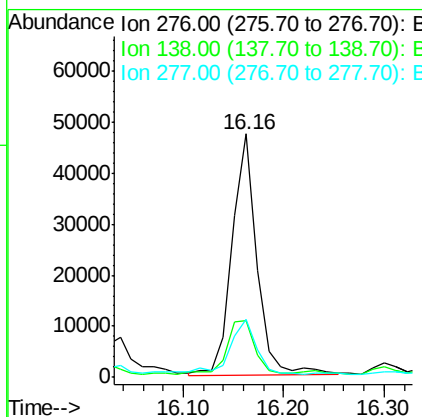
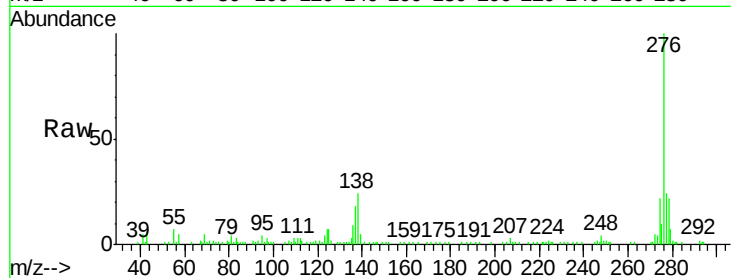
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.94 ng
 RT: 16.16 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BF081193.D
 Acq: 25 Aug 2015 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6

Tgt Ion:	276	Resp:	81154
Ion Ratio	Lower	Upper	
276	100		
138	26.4	18.6	28.0
277	25.8	19.8	29.8

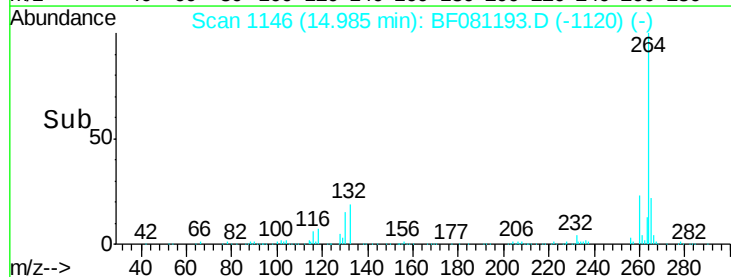
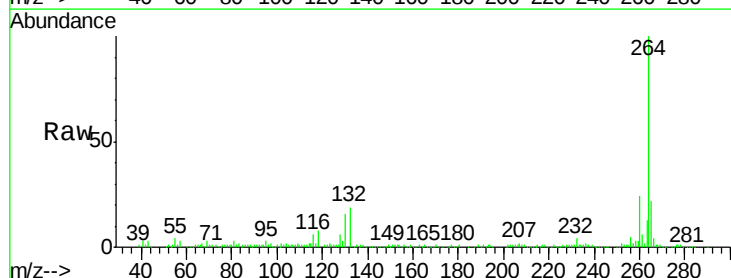
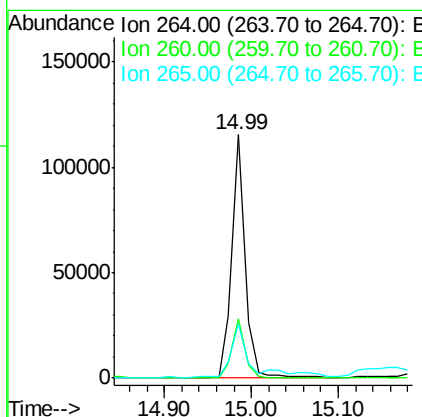
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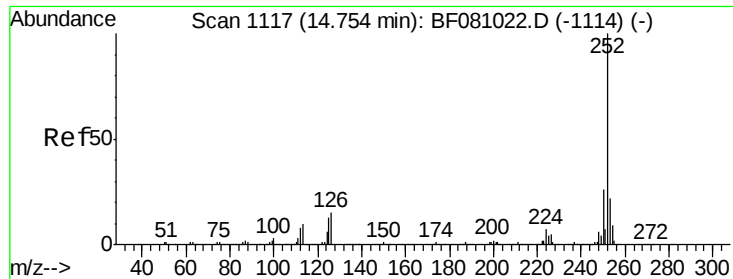
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.99 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: BF081193.D
 Acq: 25 Aug 2015 4:14

Tgt Ion:	264	Resp:	124467
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.6	29.4
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 28.45 ng m

RT: 14.64 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BF081193.D

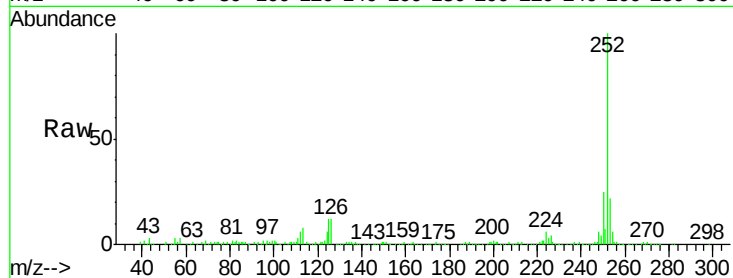
Acq: 25 Aug 2015 4:14

Instrument :

BNA_F

ClientSampleId :

SOIL-6



Tgt Ion: 252 Resp: 250518

Ion Ratio Lower Upper

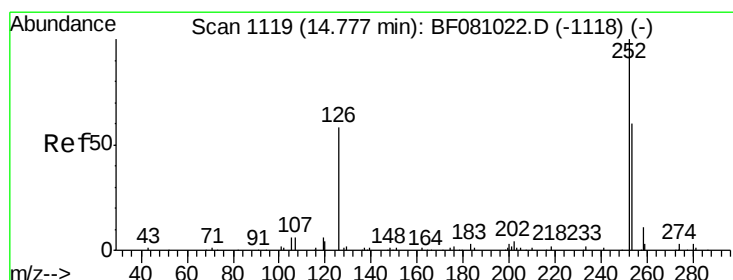
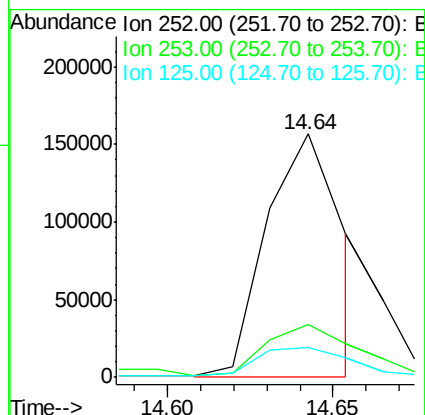
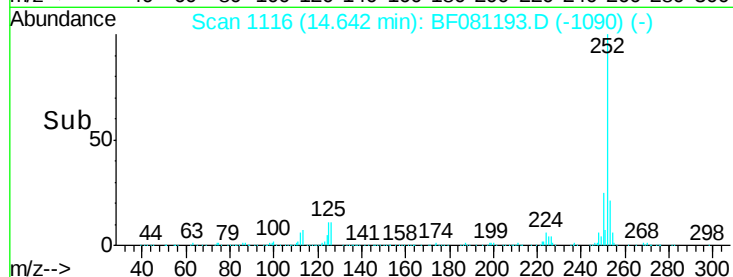
252 100

253 21.9 17.1 25.7

125 12.1 8.0 12.0

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#88

Benzo(k)fluoranthene

Concen: 4.63 ng m

RT: 14.65 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BF081193.D

Acq: 25 Aug 2015 4:14

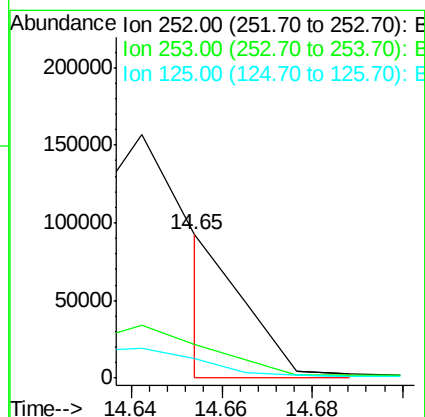
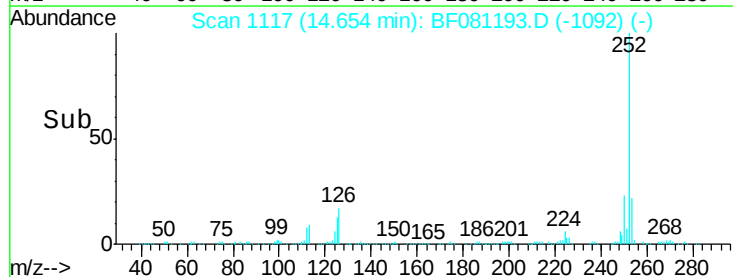
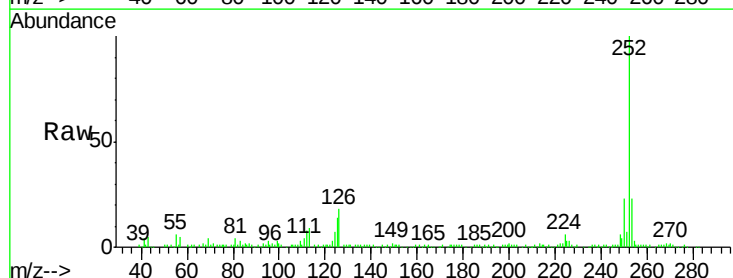
Tgt Ion: 252 Resp: 37967

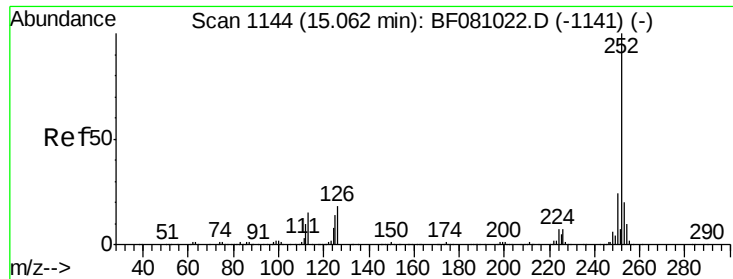
Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 14.0 10.3 15.5





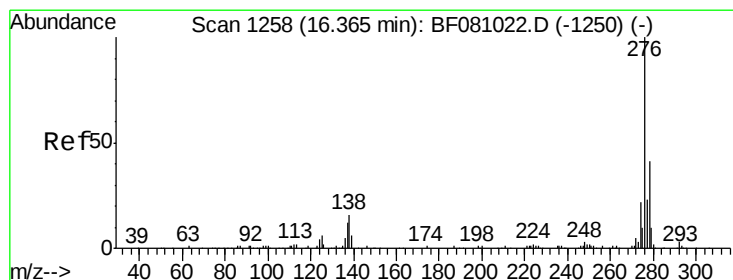
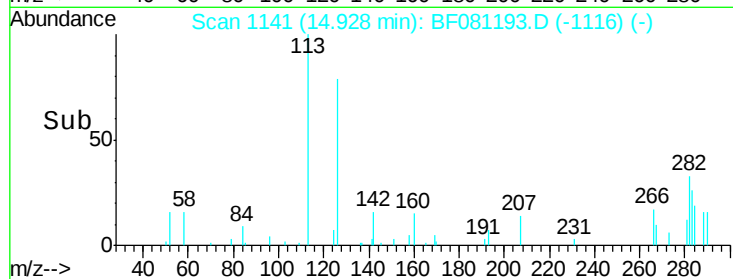
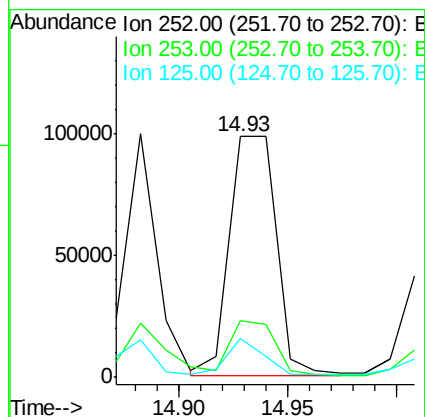
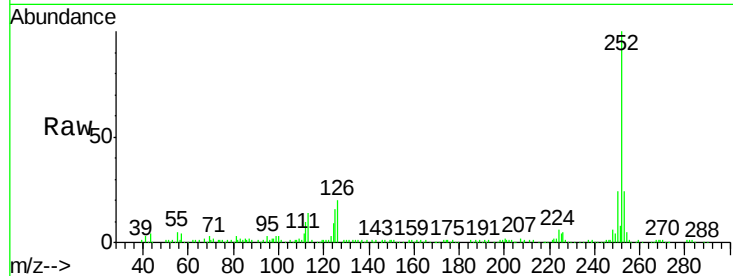
#89
Benzo(a)pyrene
Concen: 19.07 ng
RT: 14.93 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF081193.D
Acq: 25 Aug 2015 4:14

Instrument :
BNA_F
ClientSampleID :
SOIL-6

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.7	16.6	25.0
125	16.2	7.8	11.8

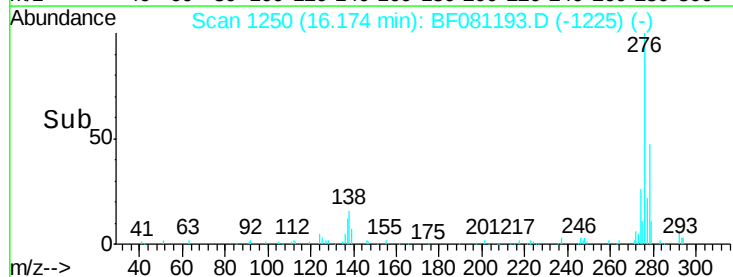
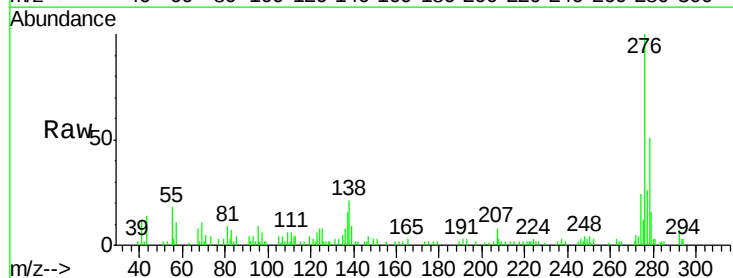
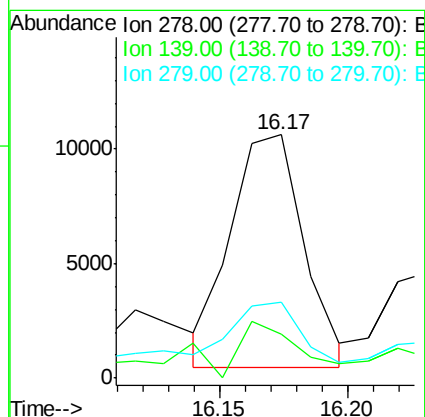
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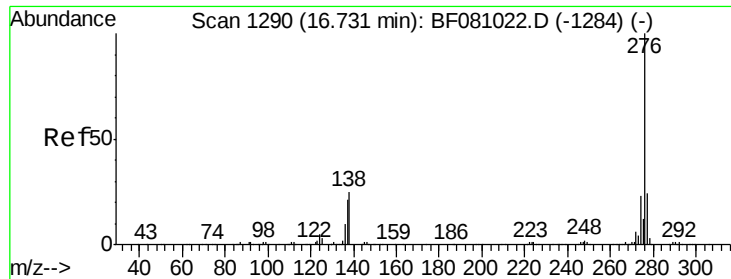
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#90
Dibenzo(a,h)anthracene
Concen: 3.38 ng m
RT: 16.17 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF081193.D
Acq: 25 Aug 2015 4:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	17.8	10.8	16.2
279	31.2	19.0	28.6





#91
 Benzo(g,h,i)perylene
 Concen: 11.91 ng
 RT: 16.51 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF081193.D
 Acq: 25 Aug 2015 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.3	18.2	27.2
138	30.6	13.7	20.5

Manual Integrations
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