

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
 Data File : BF080789.D
 Acq On : 1 Aug 2015 19:32
 Operator : TP/UM
 Sample : G3130-01
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Manual Integrations
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MMDadoda
 8/3/2015 3:41:39 PM

Quant Time: Aug 03 07:03:38 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	116698	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	404743	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	162014	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	291217	20.00	ng	0.00
75) Chrysene-d12	14.00	240	250397	20.00	ng	0.00
86) Perylene-d12	15.41	264	338767	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	514493	75.63	ng	0.00
7) Phenol-d6	6.48	99	745505	80.50	ng	-0.01
23) Nitrobenzene-d5	7.41	82	594631	71.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	115899	68.94	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	809371	74.53	ng	-0.01
78) Terphenyl-d14	12.95	244	557750	42.13	ng	-0.01
Target Compounds						Qvalue
30) 1,2,4-Trichlorobenzene	8.08	180	17750	2.87	ng	96
49) Dimethylphthalate	9.61	163	162644	14.25	ng	97
70) Phenanthrene	11.39	178	54219	3.70	ng	96
74) Fluoranthene	12.57	202	83269	5.87	ng	98
77) Pyrene	12.80	202	78481	4.04	ng	98
80) Benzo(a)anthracene	13.99	228	46055	3.06	ng	94
81) 3,3'-Dichlorobenzidine	13.95	252	112105	21.81	ng	# 94
82) Chrysene	14.02	228	42394m	2.90	ng	
85) Indeno(1,2,3-cd)pyrene	16.77	276	34909	5.12	ng	# 77
87) Benzo(b)fluoranthene	15.00	252	61364m	3.03	ng	
89) Benzo(a)pyrene	15.35	252	49472	2.98	ng	# 94
91) Benzo(g,h,i)perylene	17.20	276	31124	2.13	ng	# 94

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

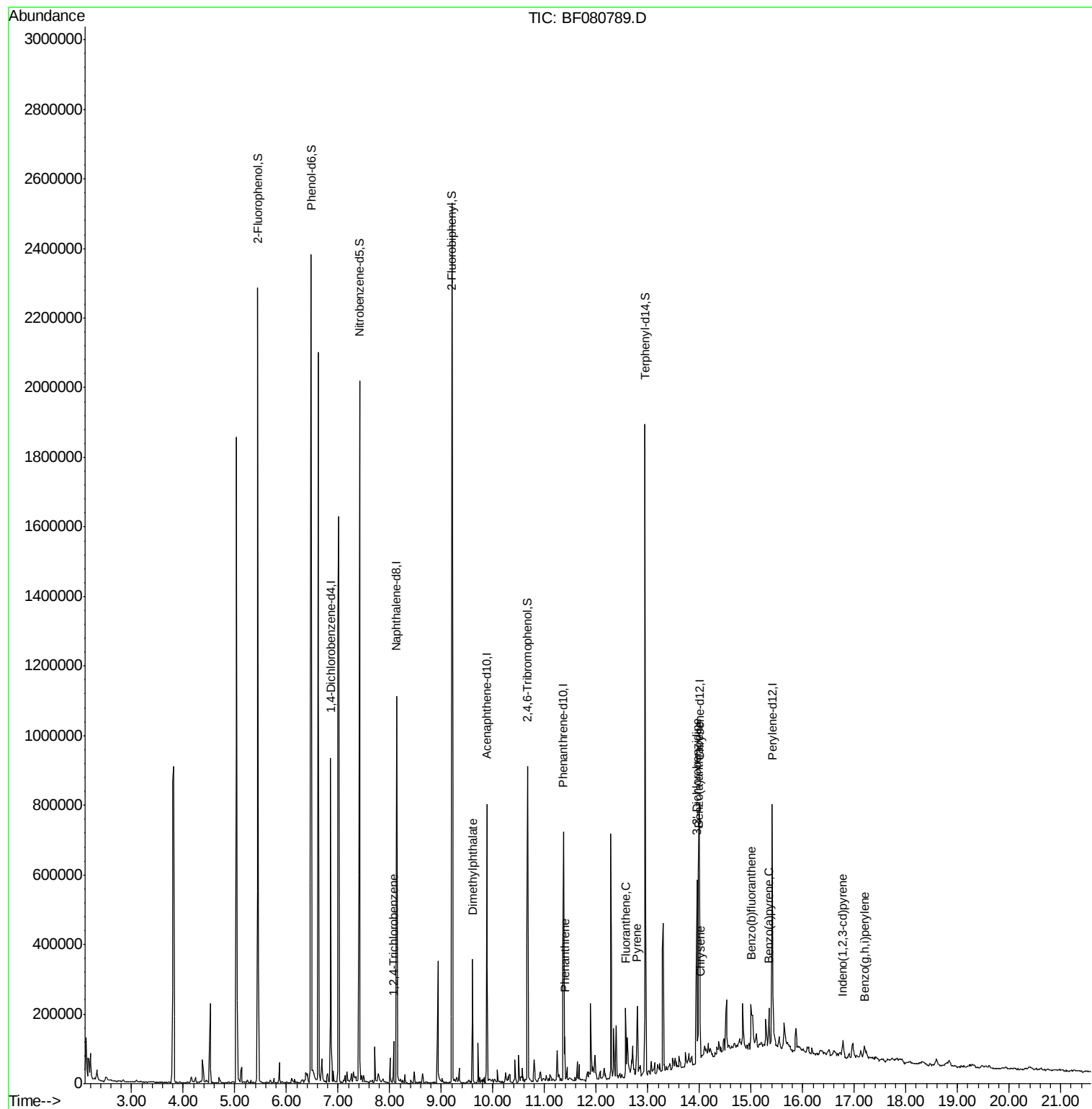
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080789.D
Acq On : 1 Aug 2015 19:32
Operator : TP/UM
Sample : G3130-01
Misc :
ALS Vial : 75 Sample Multiplier: 1

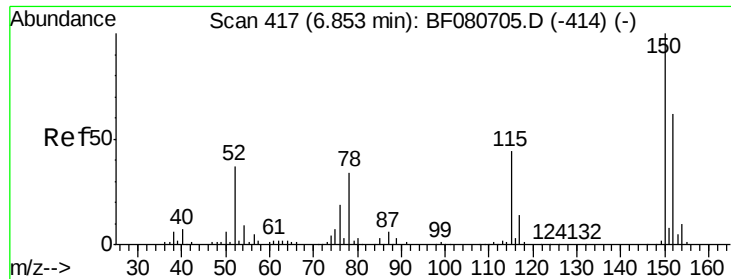
Instrument :
BNA_F
ClientSampleId :
SOIL-3

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#1

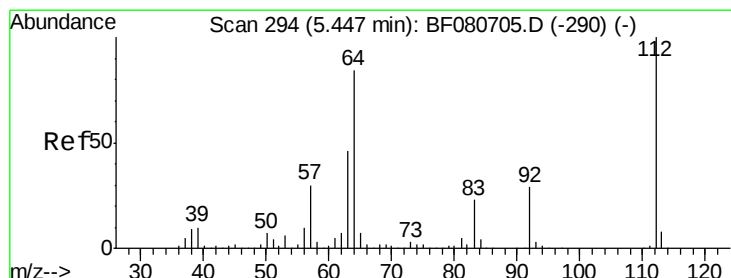
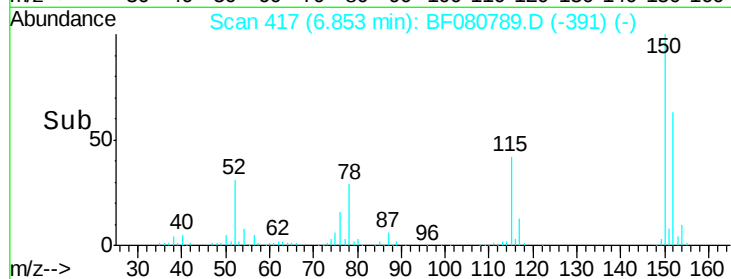
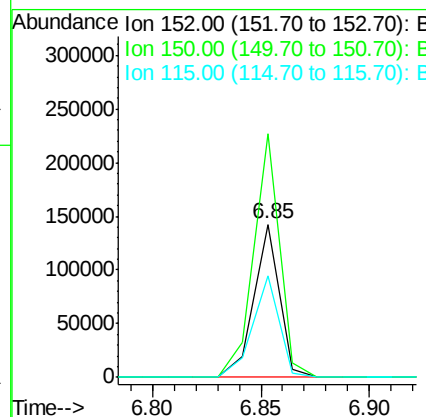
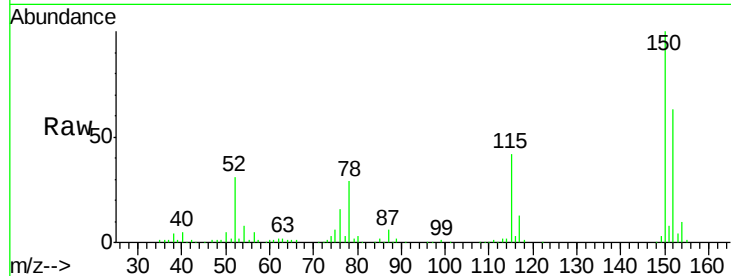
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.00 min
Lab File: BF080789.D
Acq: 1 Aug 2015 19:32

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	116698		
150	158.8	129.6	194.4	
115	66.3	56.6	85.0	

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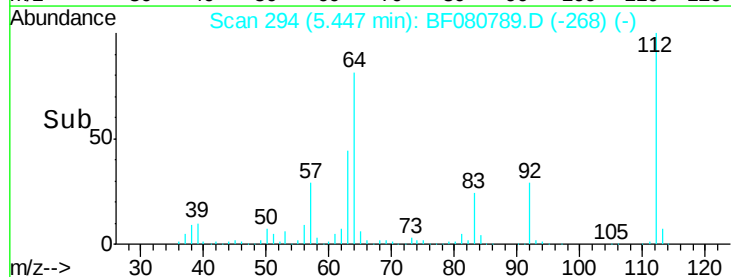
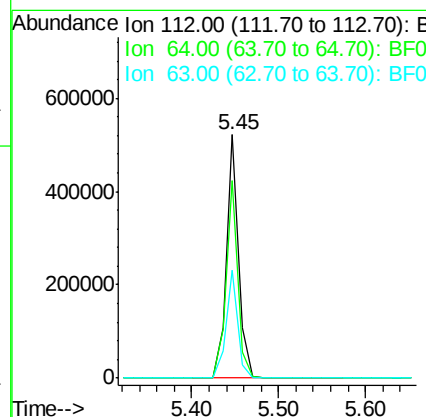
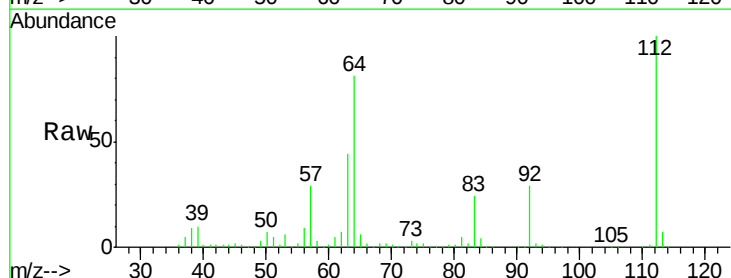
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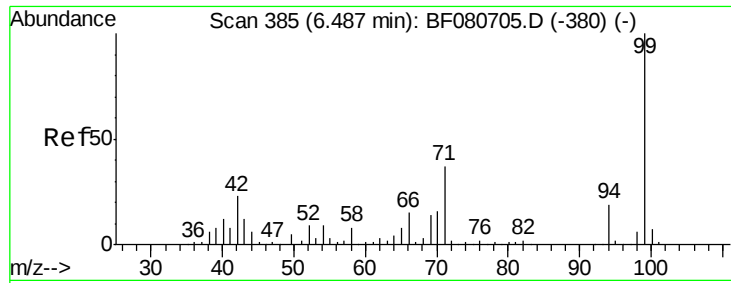


#5

2-Fluorophenol
Concen: 75.63 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.00 min
Lab File: BF080789.D
Acq: 1 Aug 2015 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	514493		
64	81.1	66.8	100.2	
63	44.3	36.7	55.1	





#7

Phenol-d6

Concen: 80.50 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF080789.D

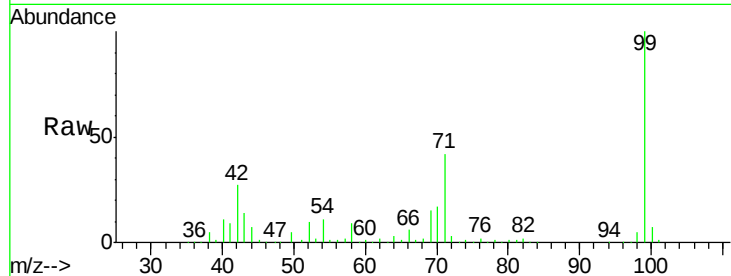
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Instrument :

BNA_F

ClientSampled :

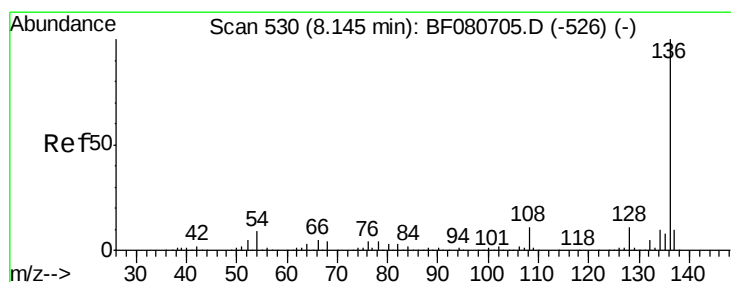
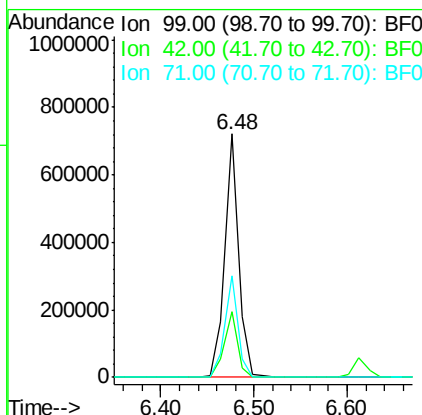
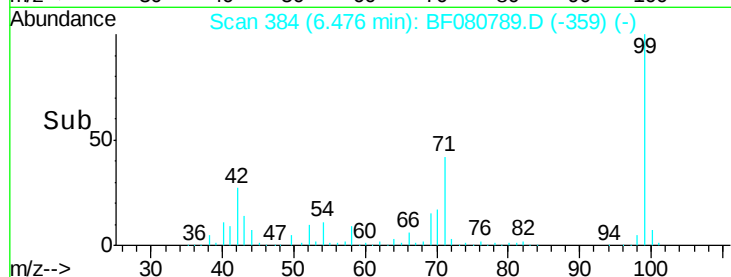
SOIL-3



Tgt Ion:	99	Resp:	745505
Ion Ratio	Lower	Upper	
99	100		
42	27.1	18.2	27.2
71	41.5	29.5	44.3

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#21

Naphthalene-d8

Concen: 20.00 ng

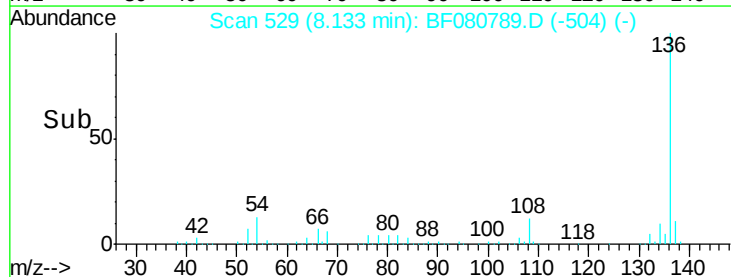
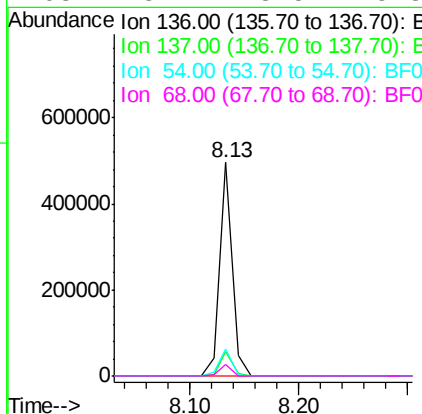
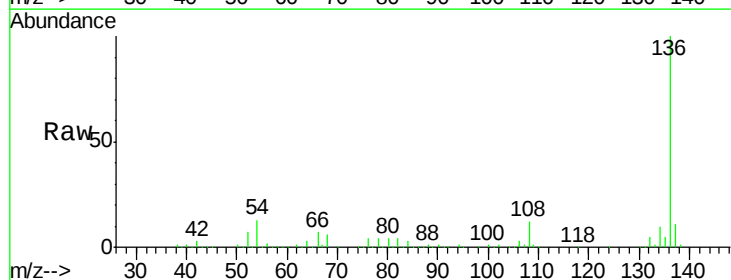
RT: 8.13 min Scan# 529

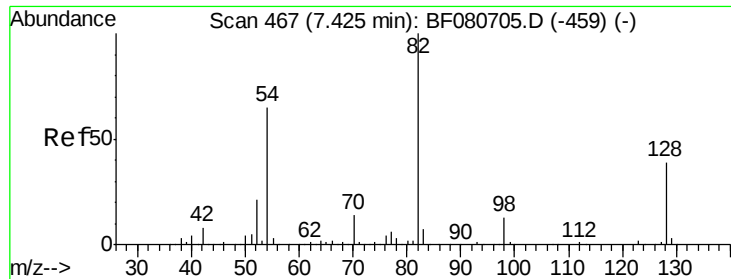
Delta R.T. -0.01 min

Lab File: BF080789.D

Acq: 1 Aug 2015 19:32

Tgt Ion:	136	Resp:	404743
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.4	12.6
54	12.8	6.9	10.3#
68	5.7	3.5	5.3#





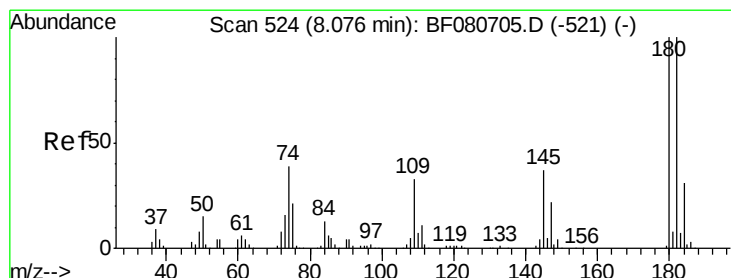
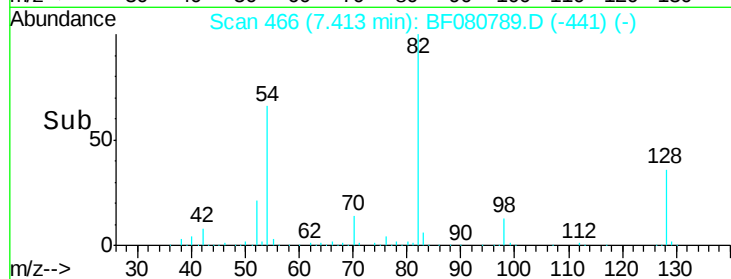
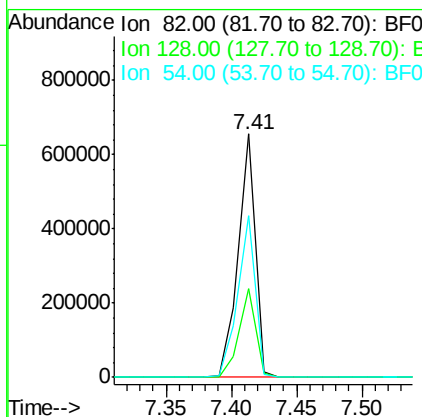
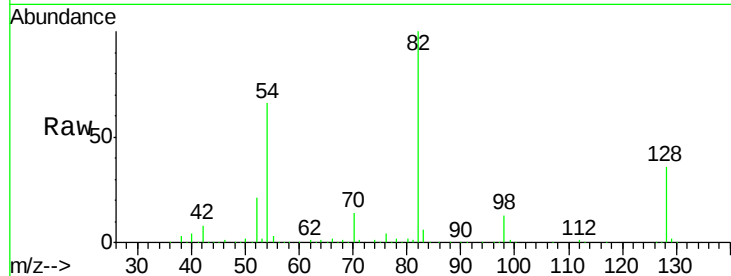
#23
 Nitrobenzene-d5
 Concen: 71.14 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF080789.D
 Acq: 1 Aug 2015 19:32

Instrument :
 BNA_F
 ClientSampled :
 SOIL-3

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	594631		
128	36.3	31.5	47.3	
54	66.3	51.8	77.8	

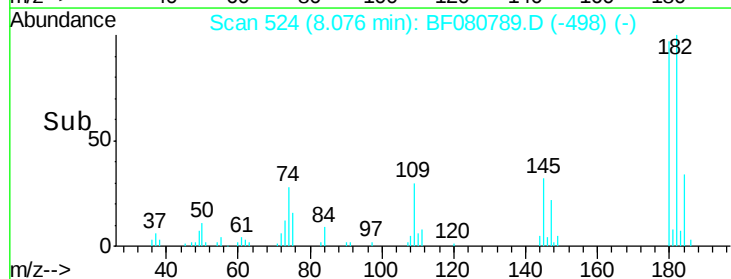
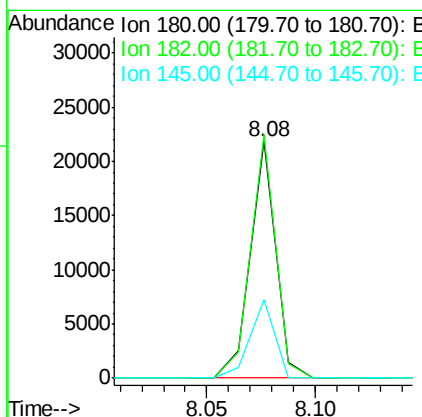
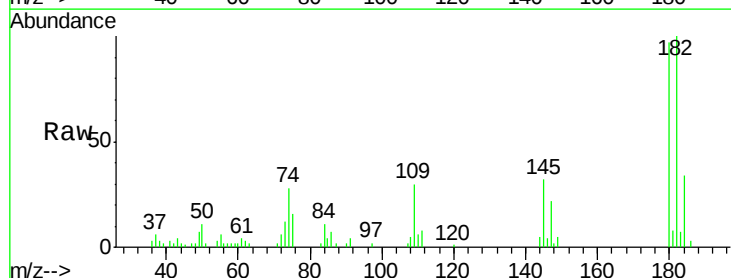
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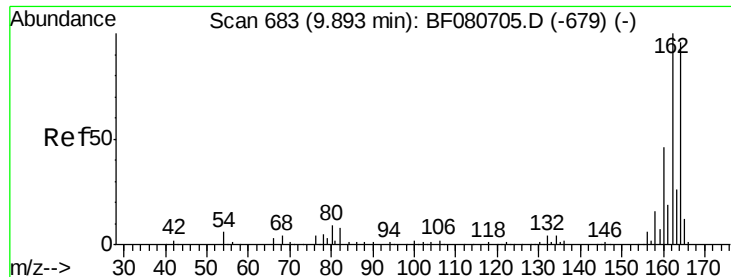
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#30
 1,2,4-Trichlorobenzene
 Concen: 2.87 ng
 RT: 8.08 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: BF080789.D
 Acq: 1 Aug 2015 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	17750		
182	102.8	79.8	119.8	
145	33.1	29.8	44.6	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF080789.D

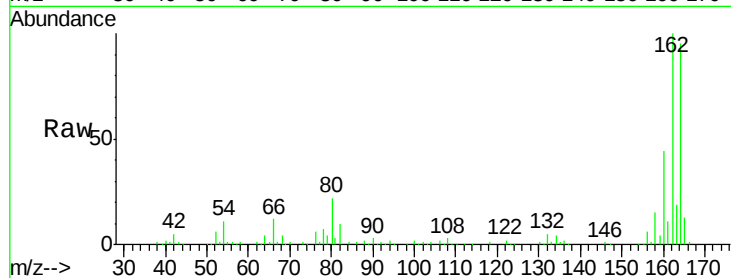
Acq: 1 Aug 2015 19:32

Instrument :

BNA_F

ClientSampleId :

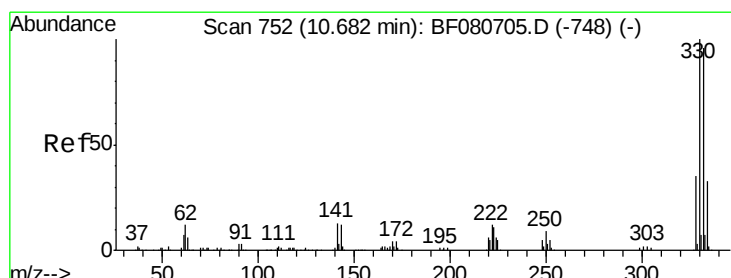
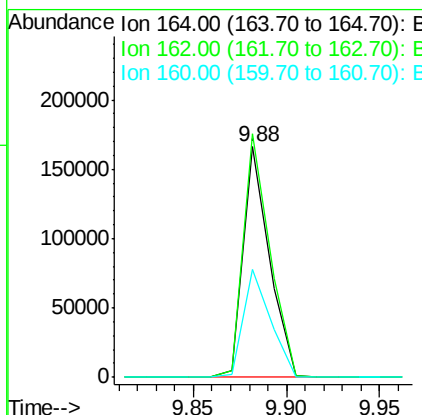
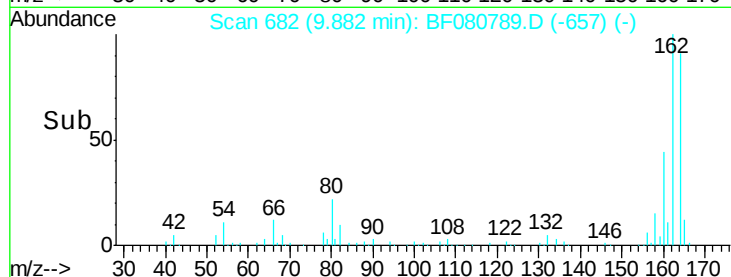
SOIL-3



Tgt Ion:	164	Resp:	162014
Ion Ratio	Lower	Upper	
164	100		
162	105.5	83.4	125.0
160	46.7	38.0	57.0

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#41

2,4,6-Tribromophenol

Concen: 68.94 ng

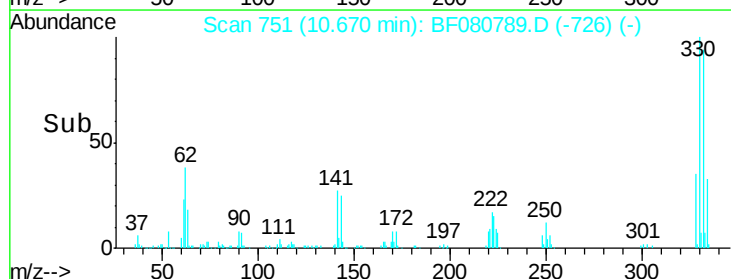
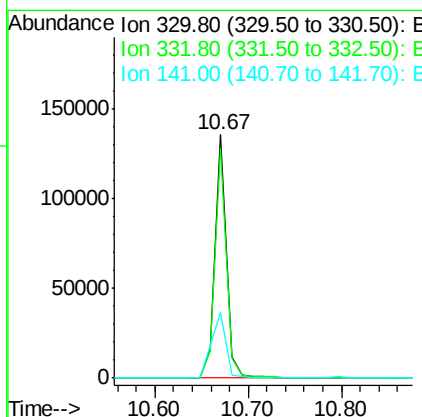
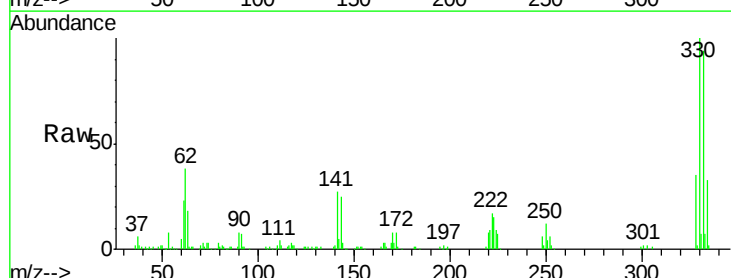
RT: 10.67 min Scan# 751

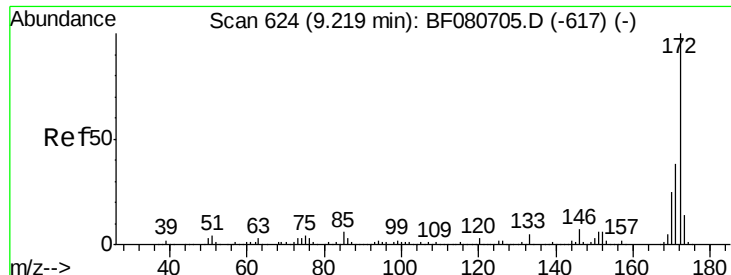
Delta R.T. -0.01 min

Lab File: BF080789.D

Acq: 1 Aug 2015 19:32

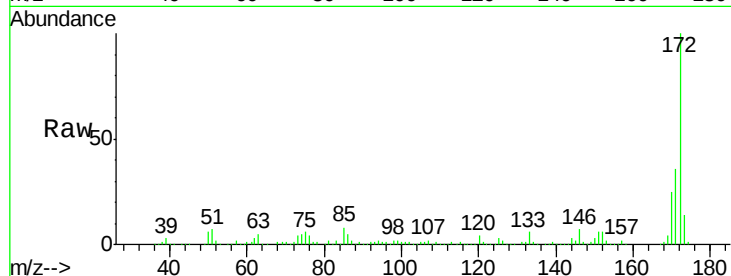
Tgt Ion:	330	Resp:	115899
Ion Ratio	Lower	Upper	
330	100		
332	93.9	76.6	114.8
141	34.3	26.0	39.0





#44
2-Fluorobiphenyl
Concen: 74.53 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF080789.D
Acq: 1 Aug 2015 19:32

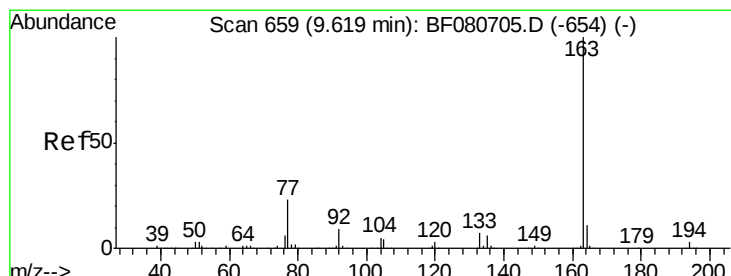
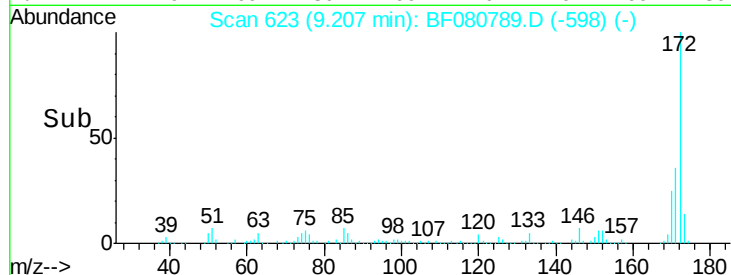
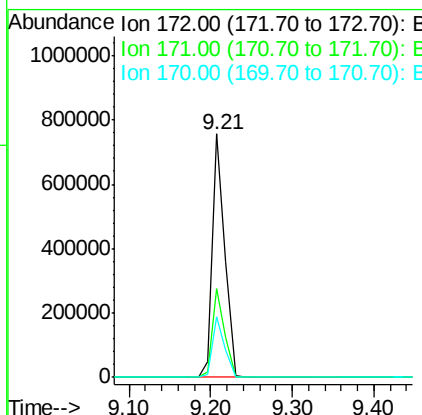
Instrument :
BNA_F
ClientSampleId :
SOIL-3



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	809371		
171	36.5		30.2	45.4
170	24.9		20.2	30.2

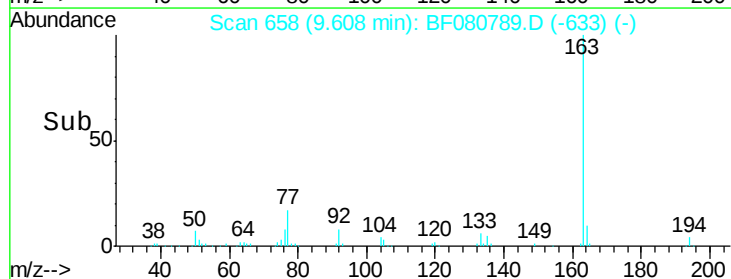
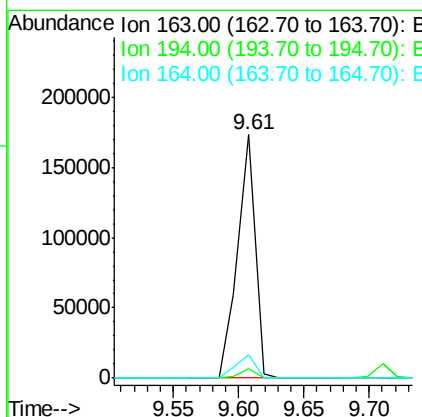
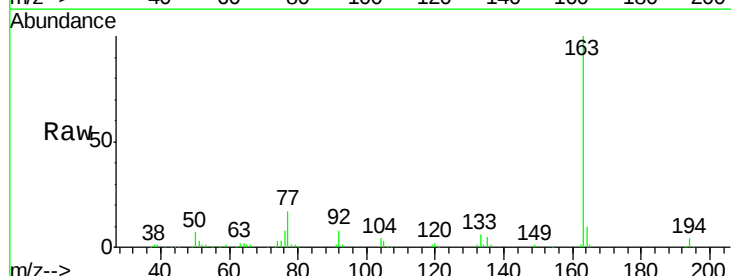
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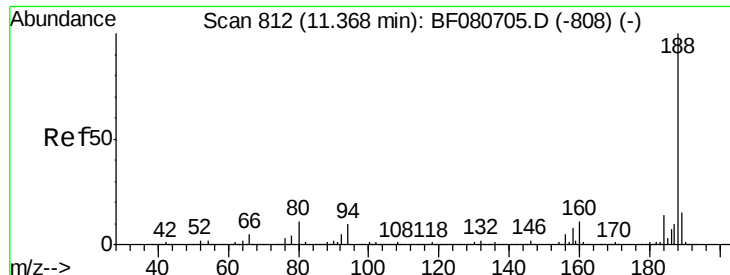
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#49
Dimethylphthalate
Concen: 14.25 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF080789.D
Acq: 1 Aug 2015 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	162644		
194	3.8		2.7	4.1
164	9.7		8.7	13.1





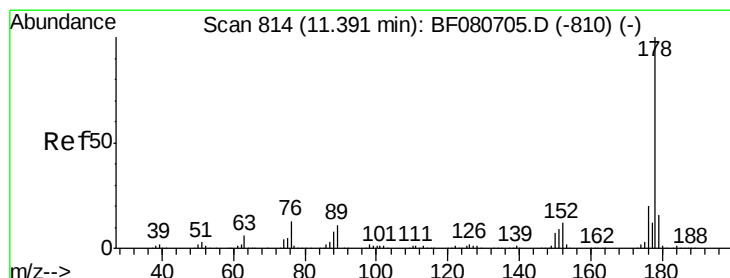
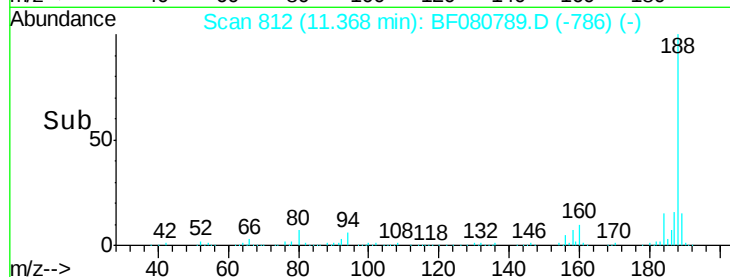
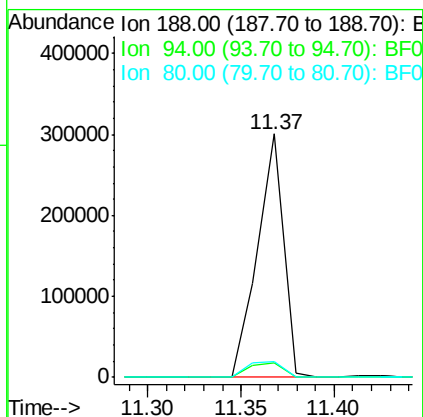
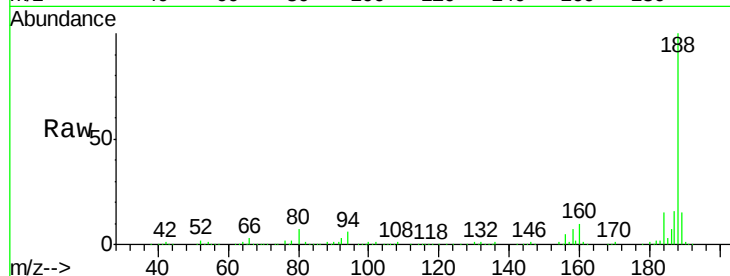
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF080789.D
 Acq: 1 Aug 2015 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Tgt Ion:	188	Resp:	291217
Ion Ratio	Lower	Upper	
188	100		
94	5.9	8.1	12.1#
80	6.5	9.1	13.7#

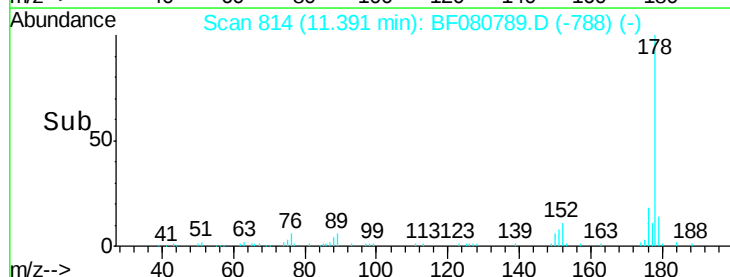
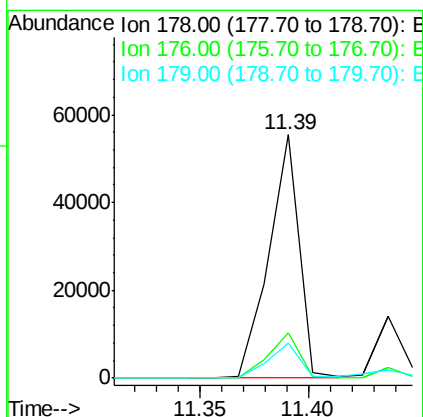
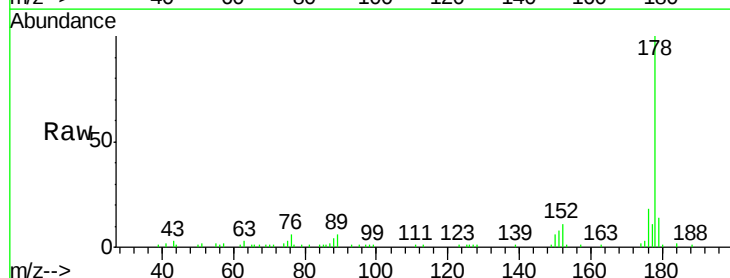
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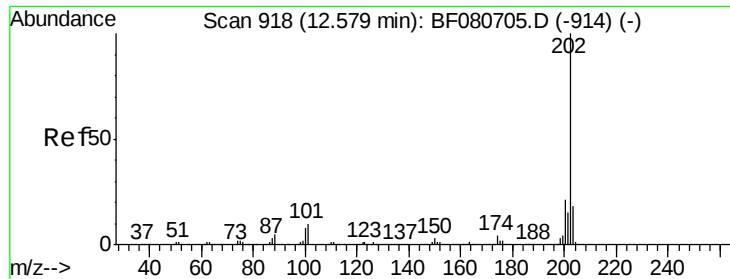
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 8/3/2015 3:41:39 PM



#70
 Phenanthrene
 Concen: 3.70 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BF080789.D
 Acq: 1 Aug 2015 19:32

Tgt Ion:	178	Resp:	54219
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.2	24.4
179	14.4	13.0	19.4





#74

Fluoranthene

Concen: 5.87 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF080789.D

Acq: 1 Aug 2015 19:32

Instrument :

BNA_F

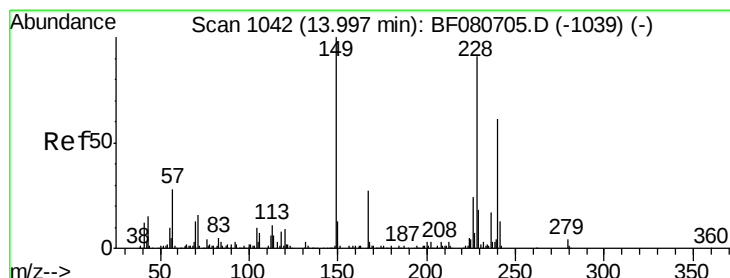
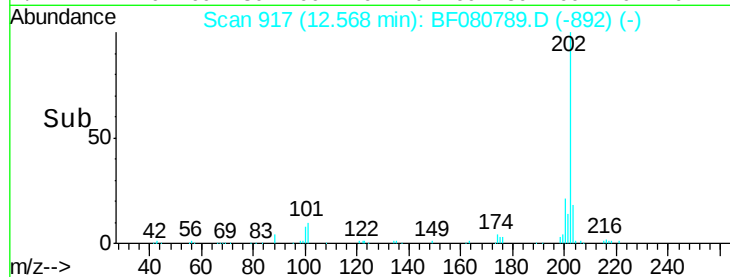
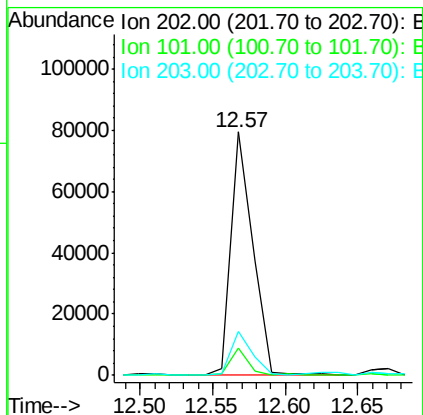
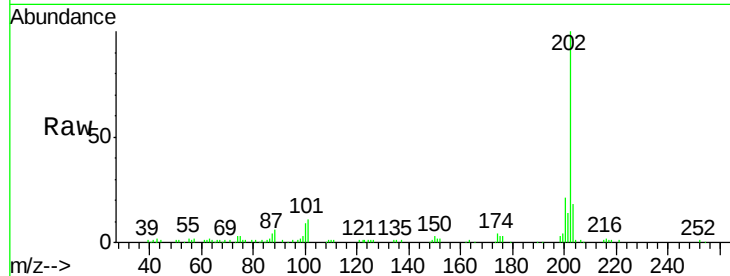
ClientSampleId :

SOIL-3

Tgt Ion:	202	Resp:	83269
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	29.6
203	18.2	0.0	37.8

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

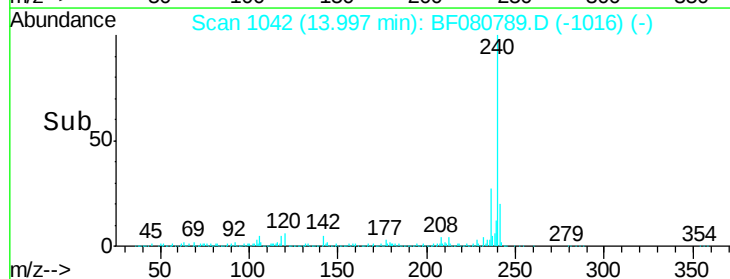
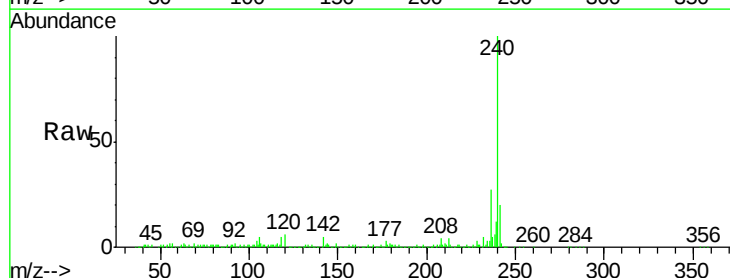
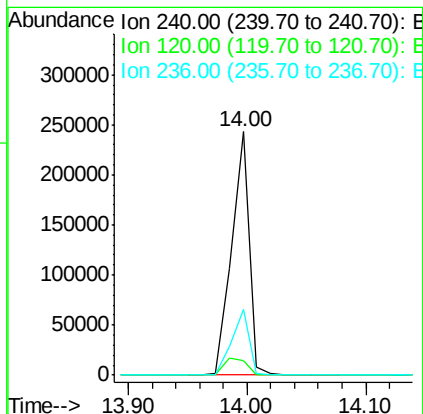
RT: 14.00 min Scan# 1042

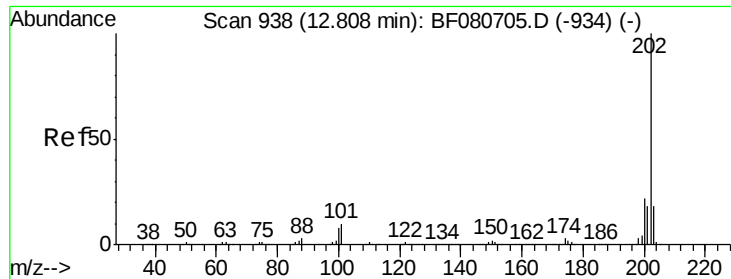
Delta R.T. -0.00 min

Lab File: BF080789.D

Acq: 1 Aug 2015 19:32

Tgt Ion:	240	Resp:	250397
Ion Ratio	Lower	Upper	
240	100		
120	5.9	11.8	17.8#
236	27.2	21.8	32.8





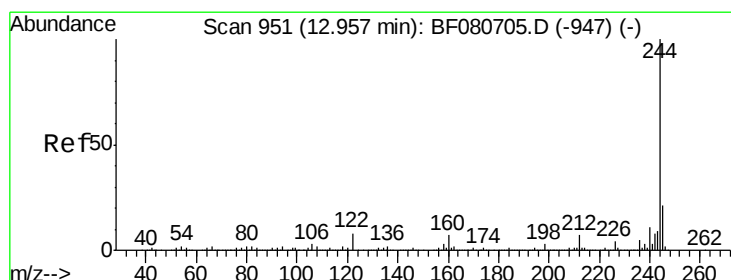
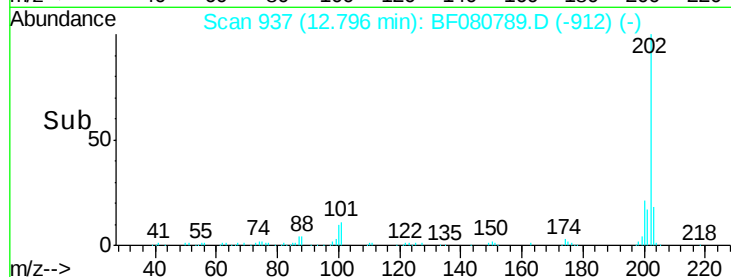
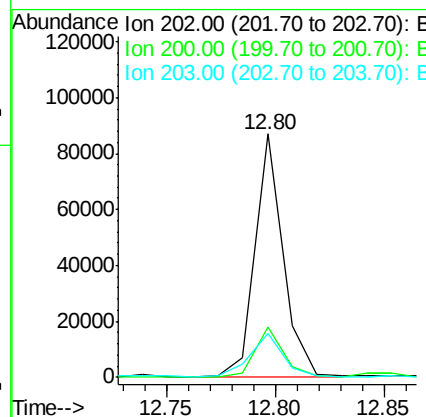
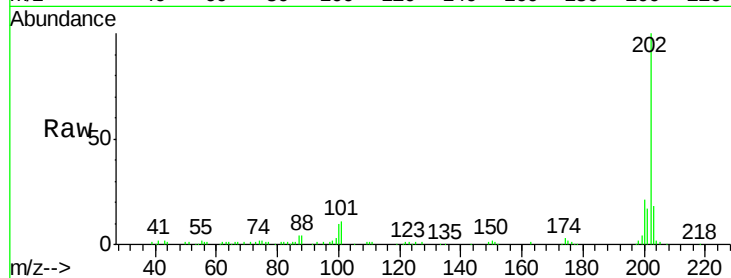
#77
 Pyrene
 Concen: 4.04 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF080789.D
 Acq: 1 Aug 2015 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	78481		
200	20.7		17.4	26.2
203	18.2		14.2	21.2

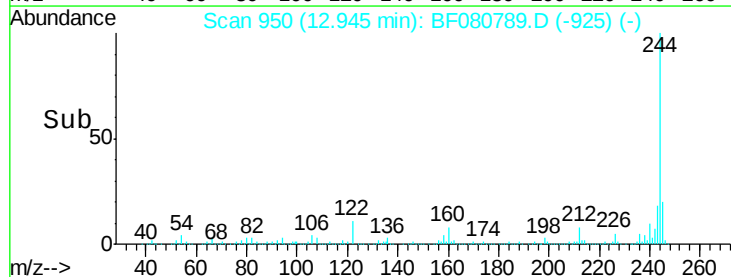
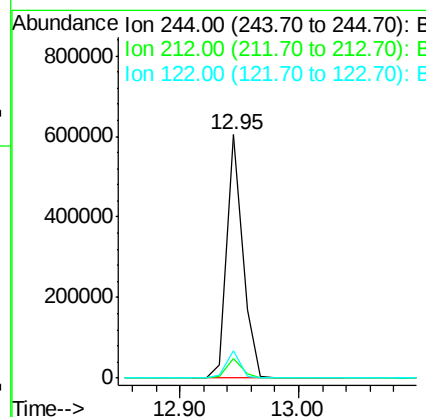
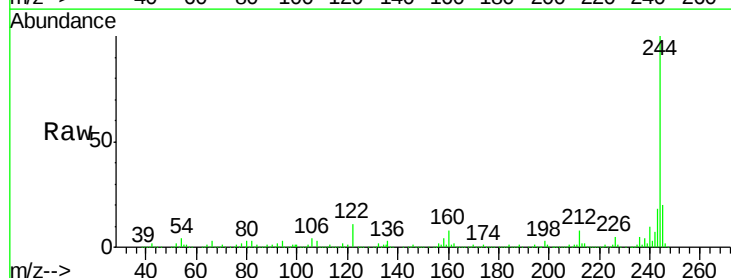
Manual Integrations
 APPROVED

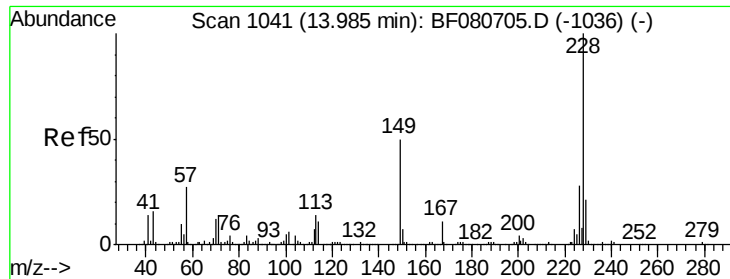
MMDadoda
 8/3/2015 3:41:39 PM



#78
 Terphenyl-d14
 Concen: 42.13 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.01 min
 Lab File: BF080789.D
 Acq: 1 Aug 2015 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	557750		
212	8.1		5.9	8.9
122	11.3		6.6	9.8#





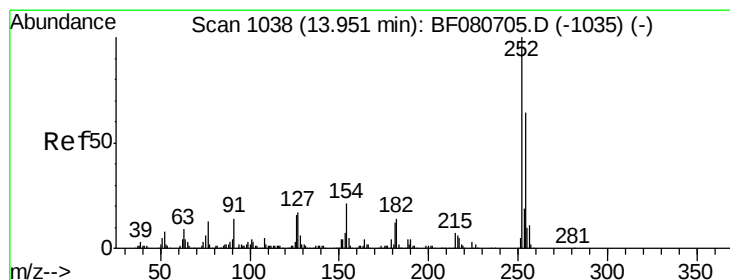
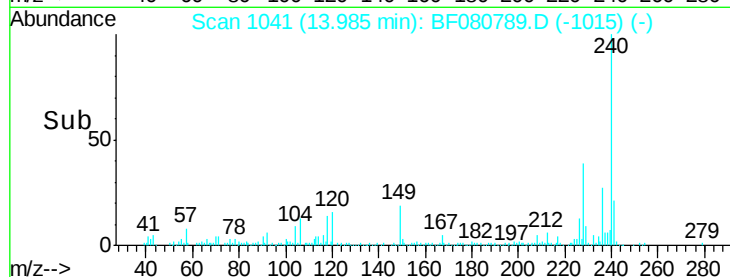
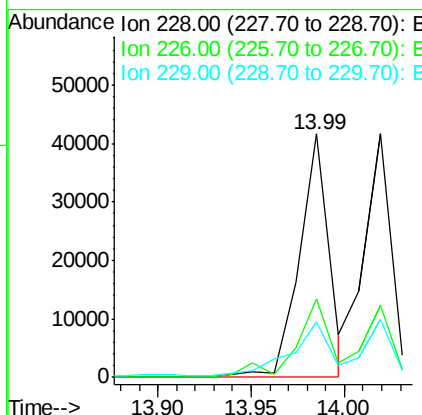
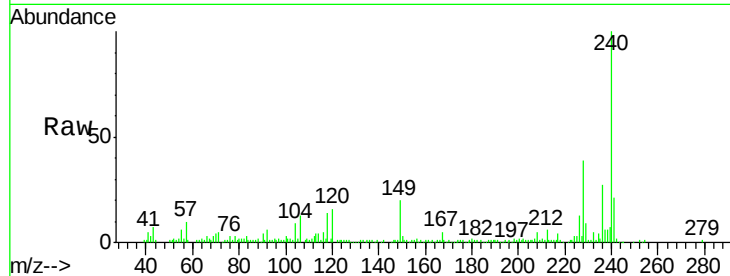
#80
Benzo(a)anthracene
Concen: 3.06 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF080789.D
Acq: 1 Aug 2015 19:32

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.6	33.8
229	22.8	16.6	25.0

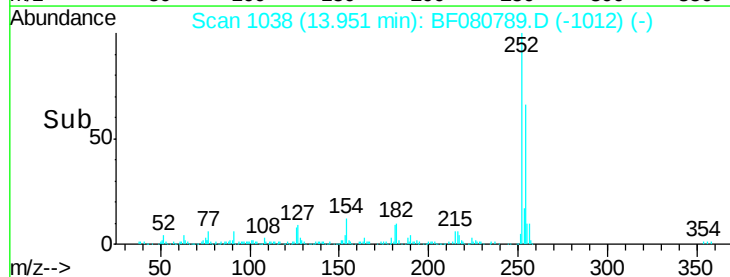
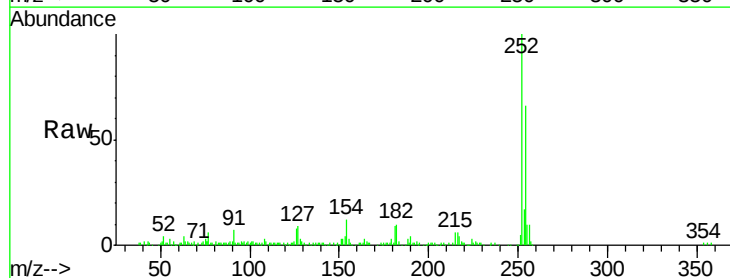
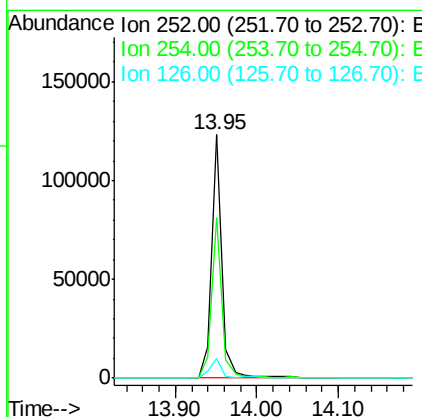
Manual Integrations
APPROVED

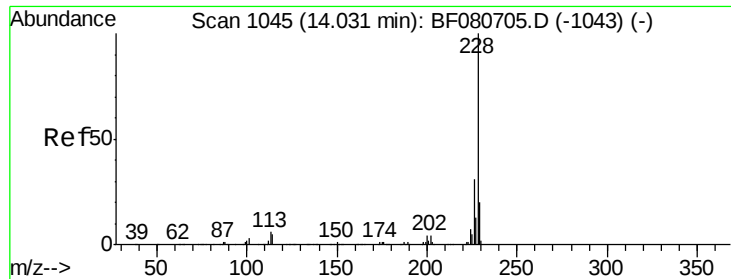
MMDadoda
8/3/2015 3:41:39 PM



#81
3,3'-Dichlorobenzidine
Concen: 21.81 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF080789.D
Acq: 1 Aug 2015 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.9	51.0	76.4
126	8.3	13.2	19.8





#82

Chrysene

Concen: 2.90 ng m

RT: 14.02 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF080789.D

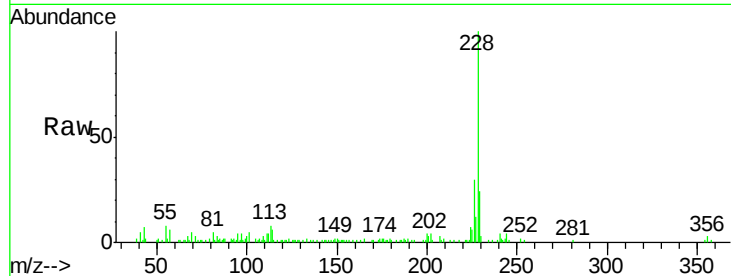
Acq: 1 Aug 2015 19:32

Instrument :

BNA_F

ClientSampled :

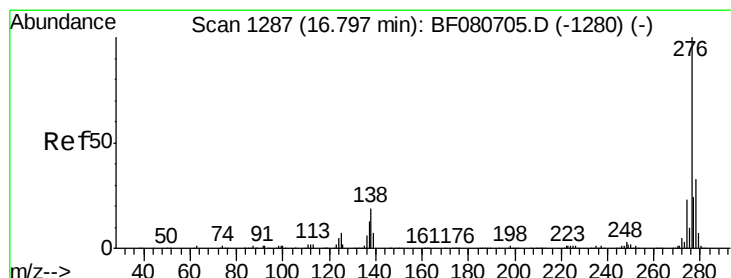
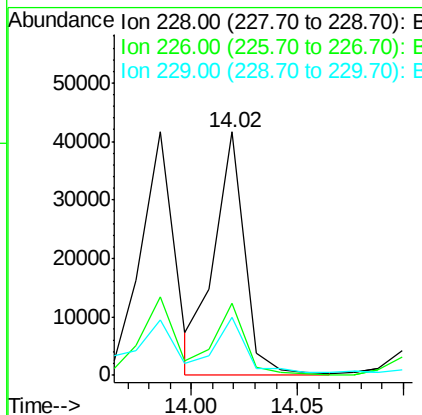
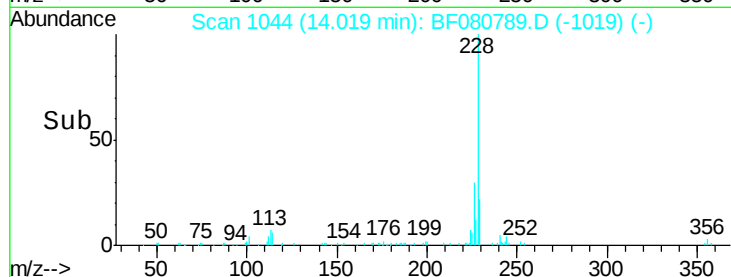
SOIL-3



Tgt Ion:	228	Resp:	42394
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.1	37.7
229	23.6	15.8	23.8

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.12 ng

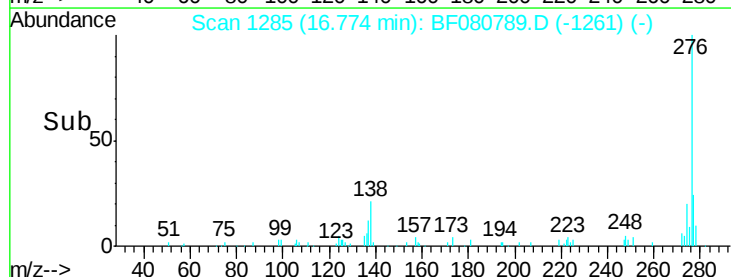
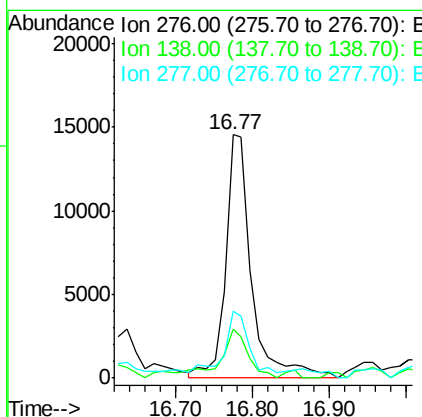
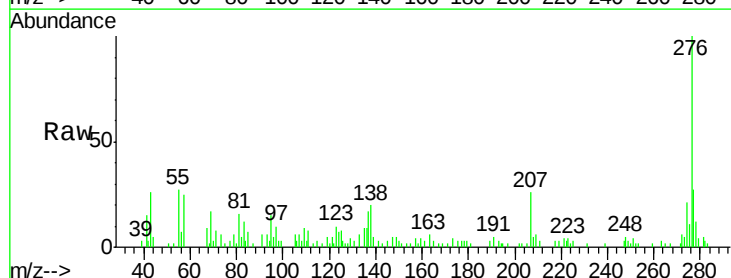
RT: 16.77 min Scan# 1285

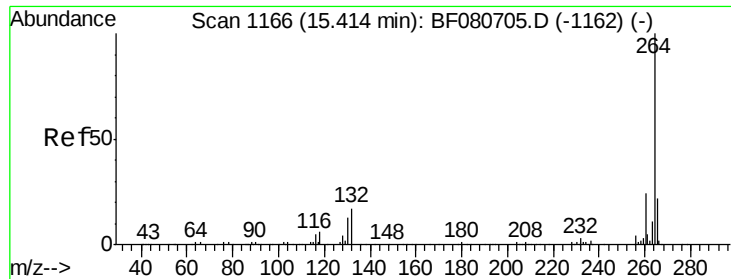
Delta R.T. -0.02 min

Lab File: BF080789.D

Acq: 1 Aug 2015 19:32

Tgt Ion:	276	Resp:	34909
Ion Ratio	Lower	Upper	
276	100		
138	24.0	13.2	19.8#
277	31.9	15.4	23.2#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BF080789.D

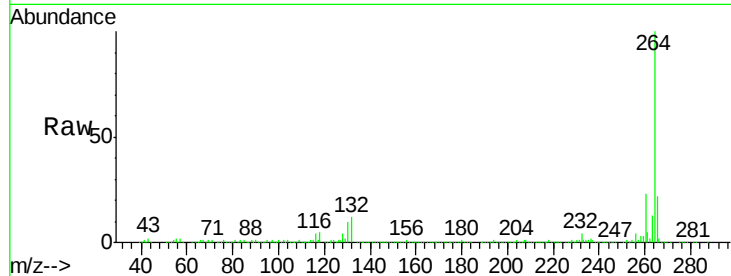
Acq: 1 Aug 2015 19:32

Instrument :

BNA_F

ClientSampleId :

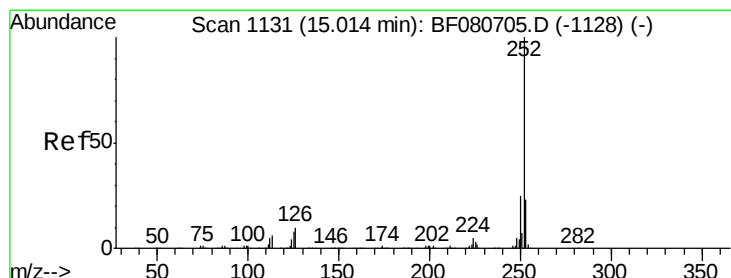
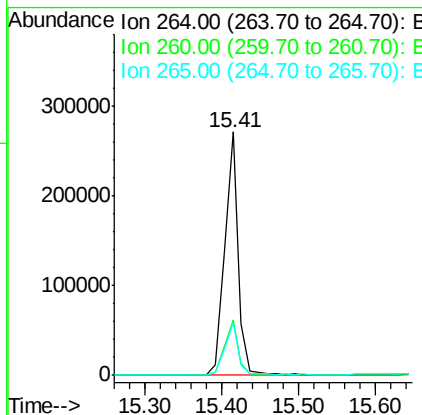
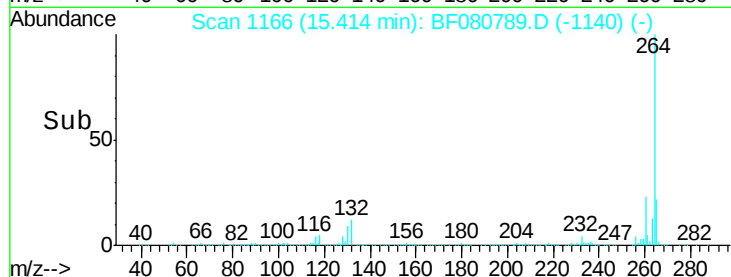
SOIL-3



Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.0	19.4	29.0	
265	21.8	17.3	25.9	

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 3.03 ng m

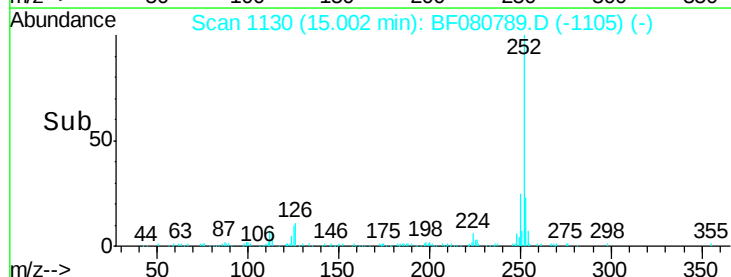
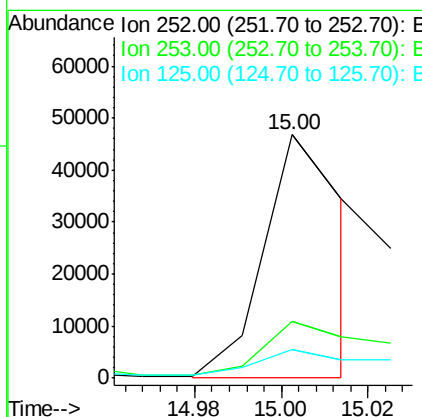
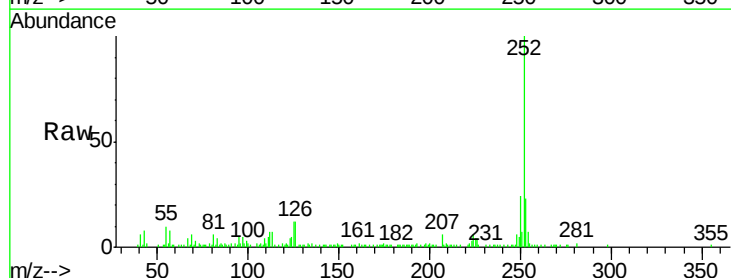
RT: 15.00 min Scan# 1130

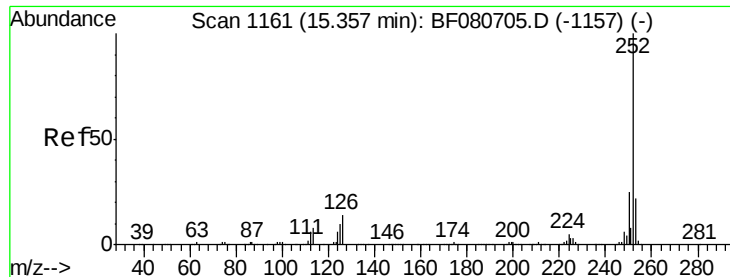
Delta R.T. -0.01 min

Lab File: BF080789.D

Acq: 1 Aug 2015 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.2	18.1	27.1	
125	11.5	6.2	9.2#	





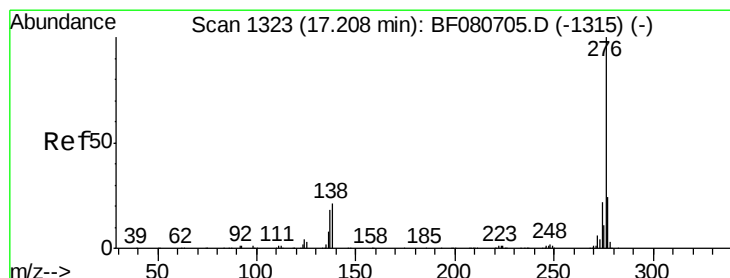
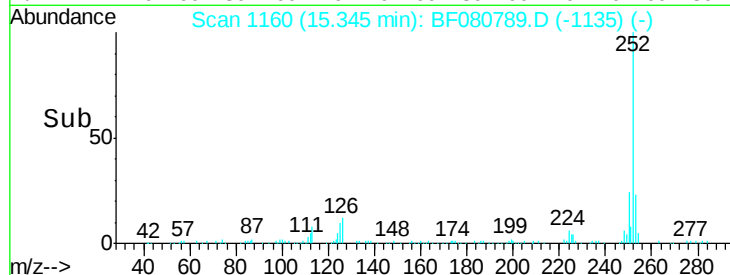
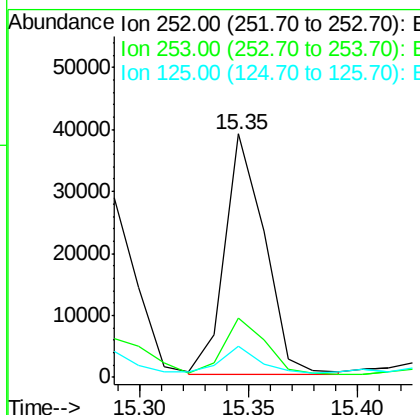
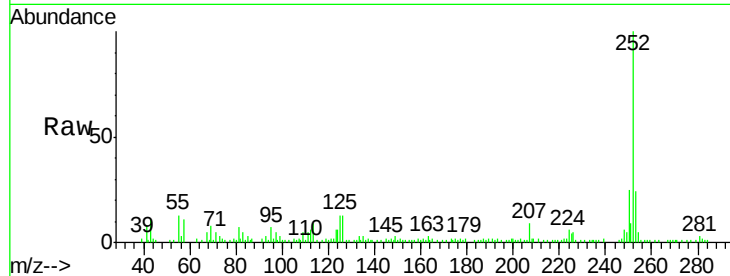
#89
Benzo(a)pyrene
Concen: 2.98 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF080789.D
Acq: 1 Aug 2015 19:32

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	12.6	8.2	12.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.13 ng
RT: 17.20 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF080789.D
Acq: 1 Aug 2015 19:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.9	28.3
138	15.7	16.9	25.3

