

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
 Data File : BF086494.D
 Acq On : 29 Apr 2016 16:10
 Operator : UM/SJ
 Sample : H2764-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-004

Manual Integrations
 APPROVED

sohil
 4/30/2016 11:22:46 AM

Quant Time: Apr 30 01:09:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	173911	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	729074	20.00	ng	-0.03
38) Acenaphthene-d10	9.81	164	324735	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	554516	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	362946	20.00	ng	-0.03
86) Perylene-d12	15.32	264	335896	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1356156	134.51	ng	-0.01
7) Phenol-d6	6.42	99	1764857	125.42	ng	-0.02
23) Nitrobenzene-d5	7.34	82	1201831	88.85	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	401051	117.11	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	1396335	72.85	ng	-0.03
78) Terphenyl-d14	12.88	244	868847	52.74	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.54	163	256580	10.50	ng	98
74) Fluoranthene	12.50	202	82514	2.81	ng	97
77) Pyrene	12.73	202	65440	2.50	ng	100
87) Benzo(b)fluoranthene	14.93	252	49948m	2.53	ng	

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

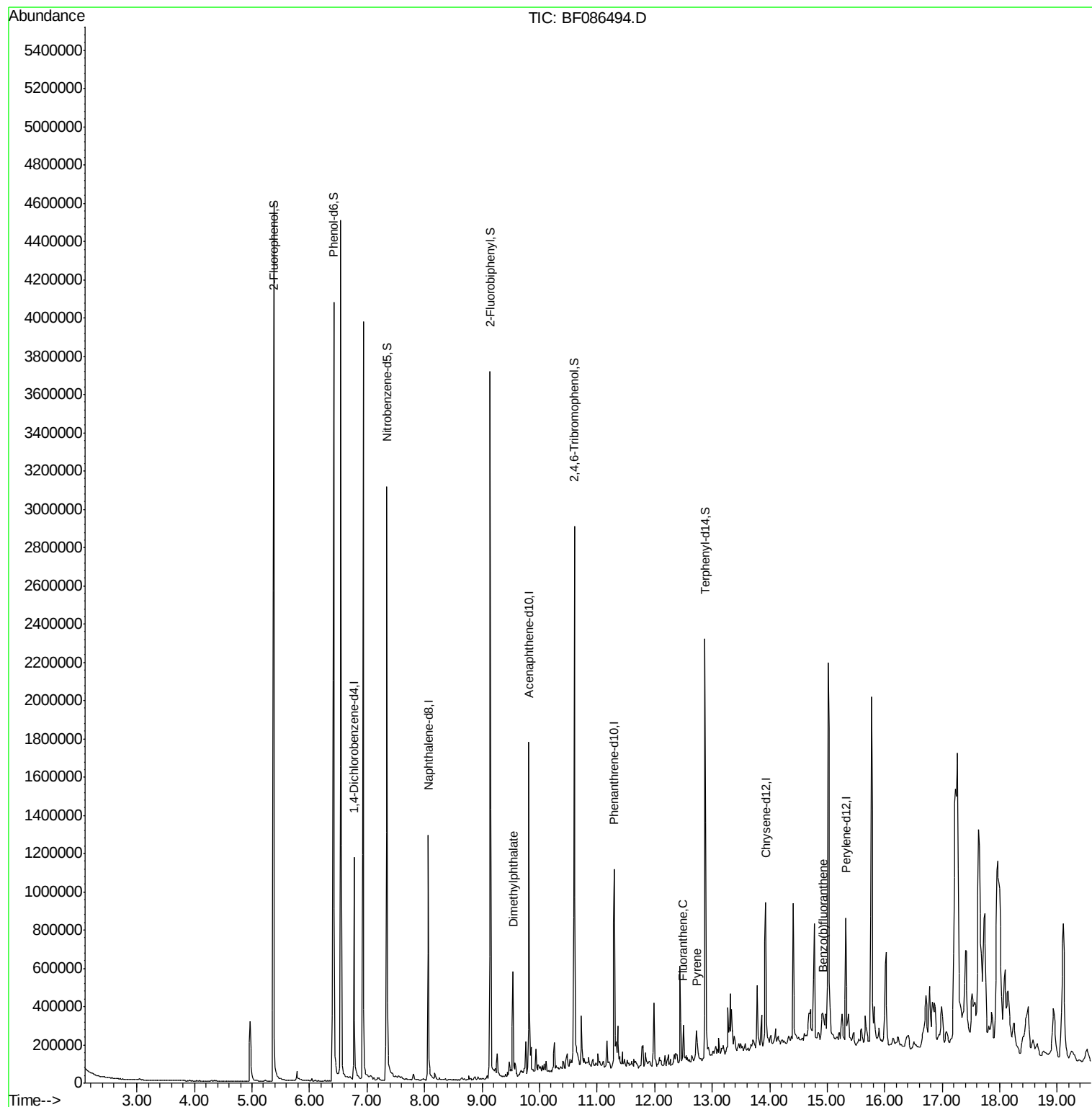
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

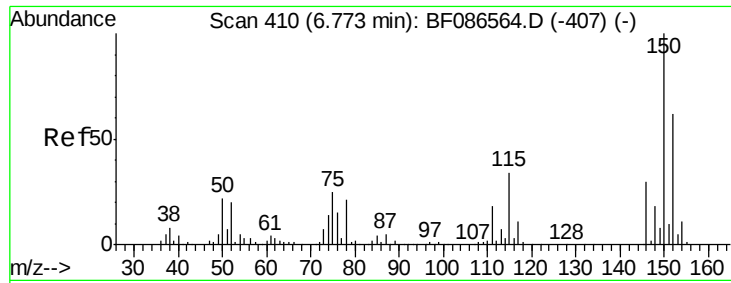
Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-004

Manual Integrations
APPROVED

sohil
4/30/2016 11:22:46 AM

Quant Time: Apr 30 01:09:28 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 27 14:20:52 2016
Response via : Initial Calibration





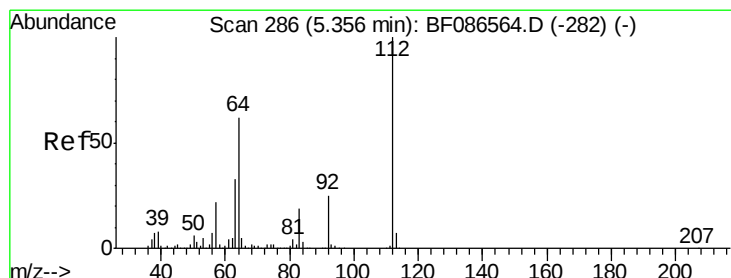
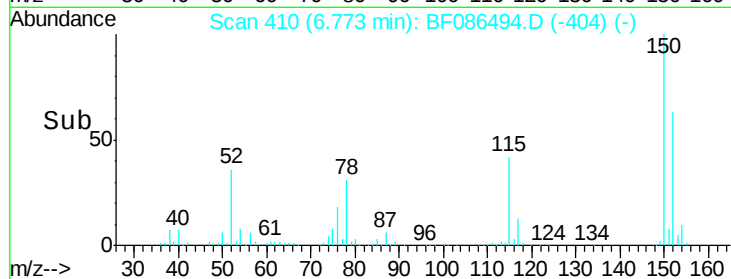
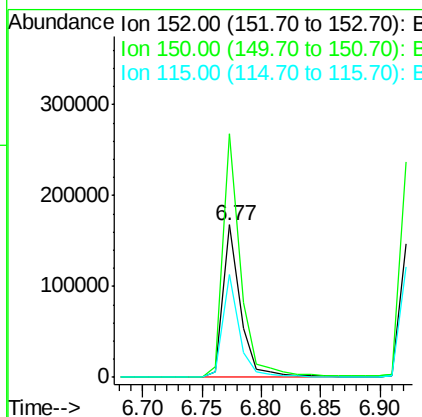
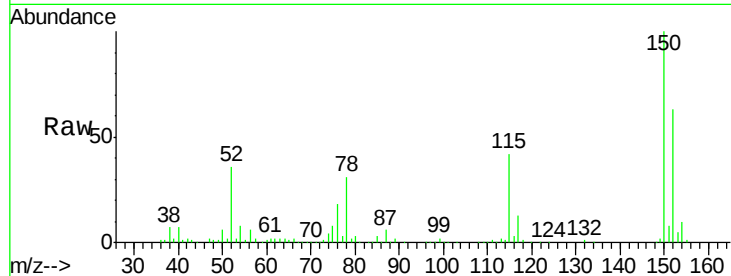
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. -0.03 min
 Lab File: BF086494.D
 Acq: 29 Apr 2016 16:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-004

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	125.8	188.6
115	67.3	51.5	77.3

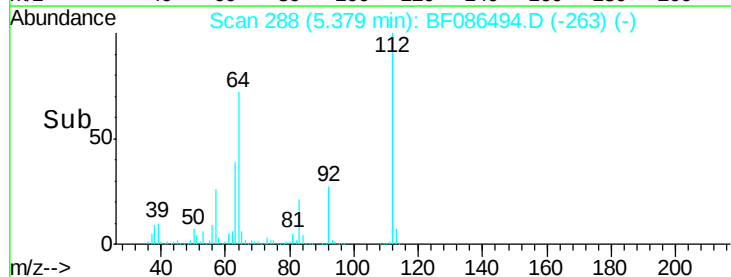
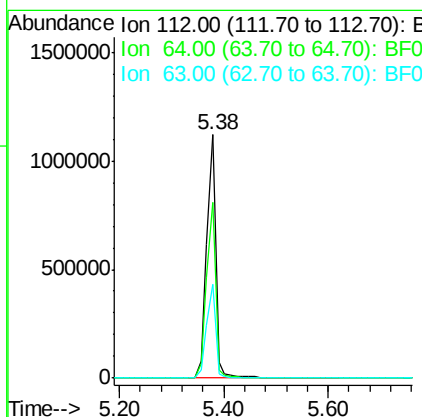
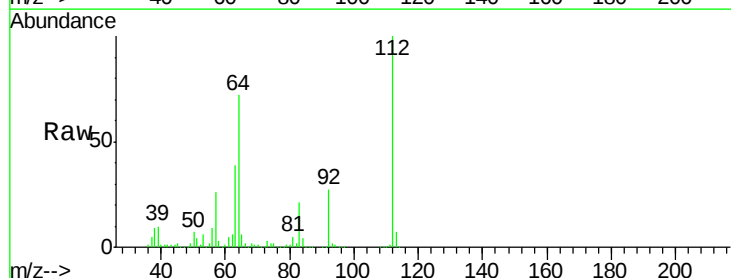
Manual Integrations
 APPROVED

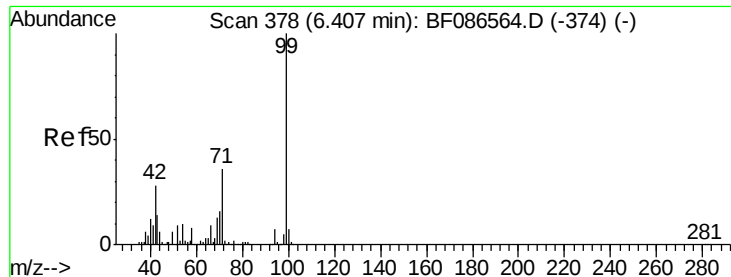
sohil
 4/30/2016 11:22:46 AM



#5
 2-Fluorophenol
 Concen: 134.51 ng
 RT: 5.38 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: BF086494.D
 Acq: 29 Apr 2016 16:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	52.1	78.1
63	38.7	25.7	38.5





#7

Phenol-d6

Concen: 125.42 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF086494.D

Acq: 29 Apr 2016 16:10

Instrument :

BNA_F

ClientSampleId :

IM-TOPSOIL-004

Tot Ion: 99 Resp: 1764857

Ion Ratio Lower Upper

99 100

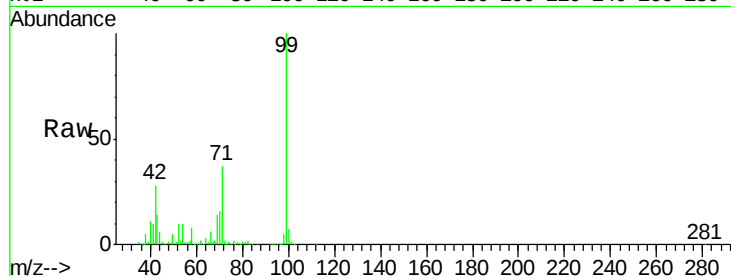
42 27.9 13.6 20.4#

71 37.5 24.6 36.8#

Manual Integrations
APPROVED

sohil

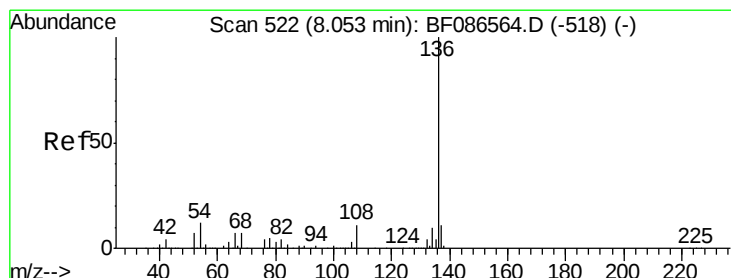
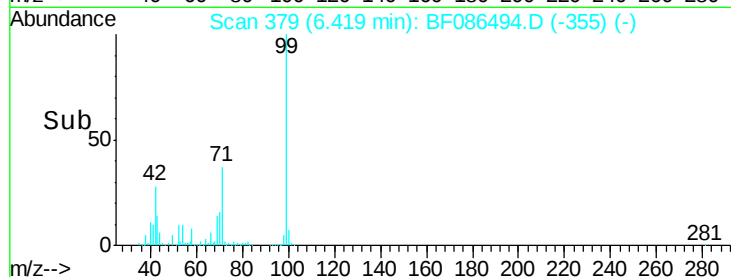
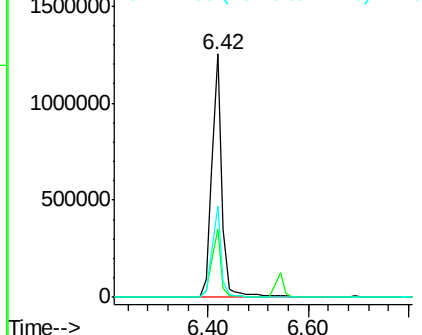
4/30/2016 11:22:46 AM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF086494.D

Acq: 29 Apr 2016 16:10

Tgt Ion: 136 Resp: 729074

Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.4 5.0 7.4#

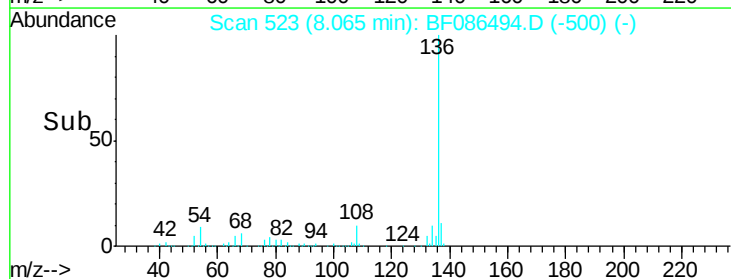
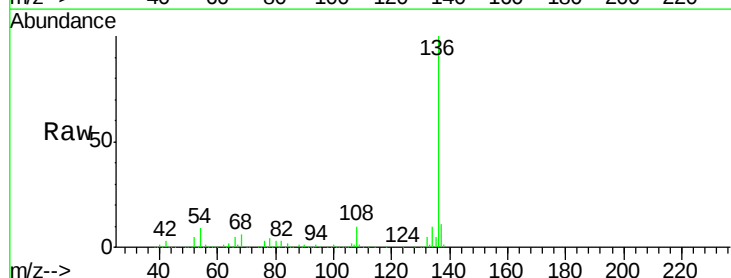
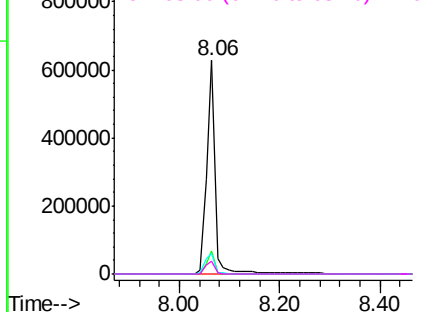
68 5.9 4.4 6.6

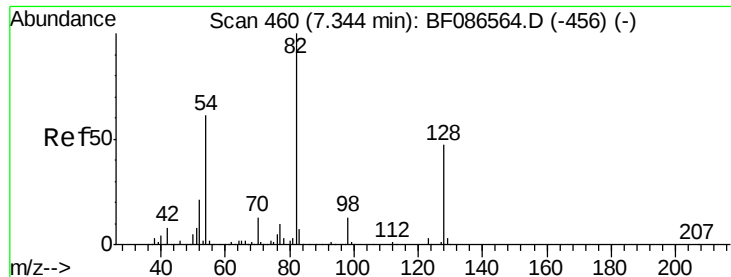
Abundance Ion 136.00 (135.70 to 136.70): E

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





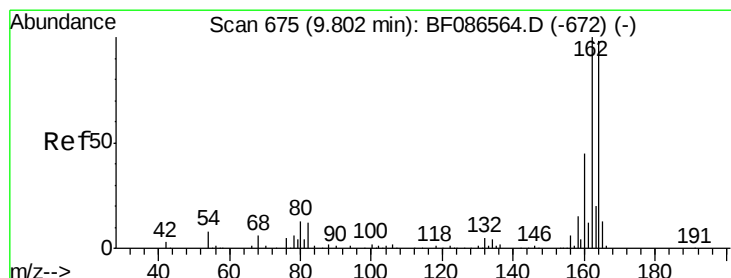
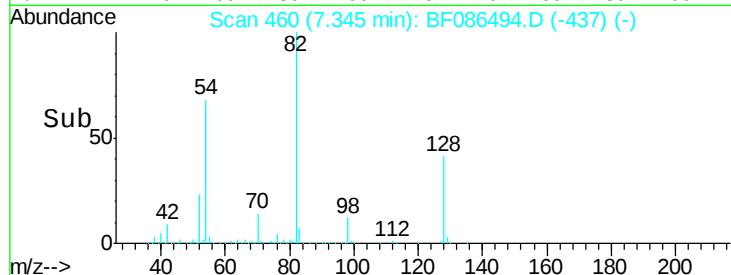
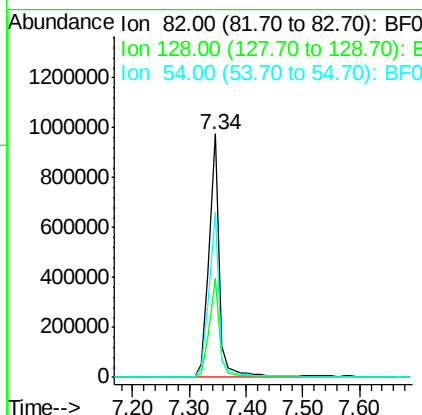
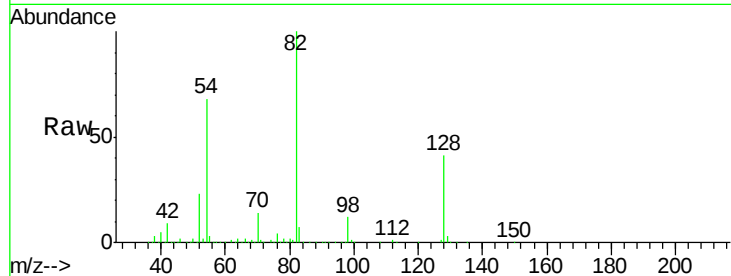
#23
 Nitrobenzene-d5
 Concen: 88.85 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.03 min
 Lab File: BF086494.D
 Acq: 29 Apr 2016 16:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-004

Tot Ion	82	Resp	1201831
Ion Ratio	100	Lower	Upper
82	100		
128	40.5	40.6	61.0#
54	67.8	38.1	57.1#

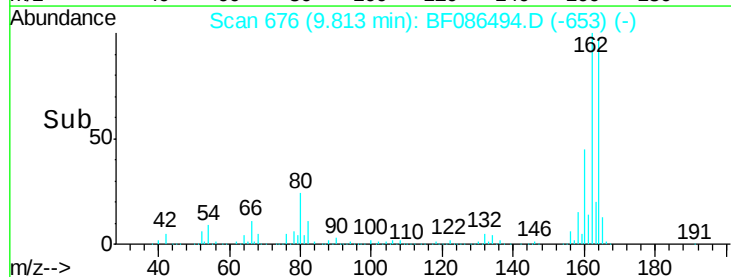
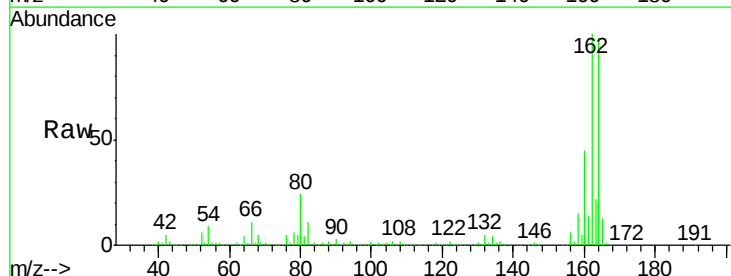
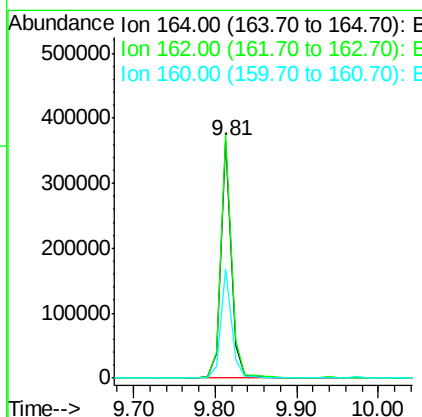
Manual Integrations
 APPROVED

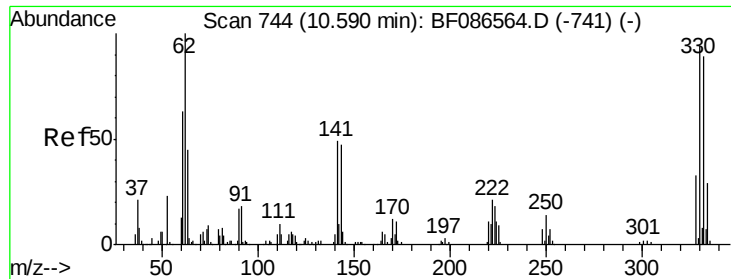
sohil
 4/30/2016 11:22:46 AM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.03 min
 Lab File: BF086494.D
 Acq: 29 Apr 2016 16:10

Tgt Ion	164	Resp	324735
Ion Ratio	100	Lower	Upper
164	100		
162	102.5	82.8	124.2
160	46.2	36.9	55.3





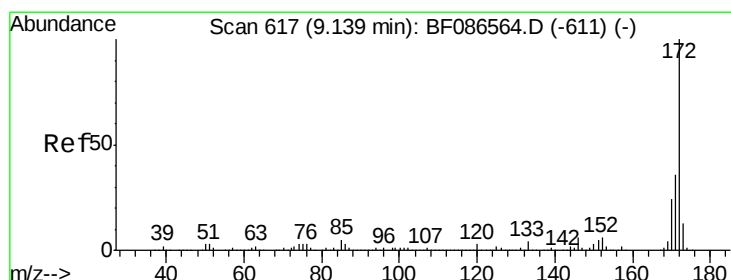
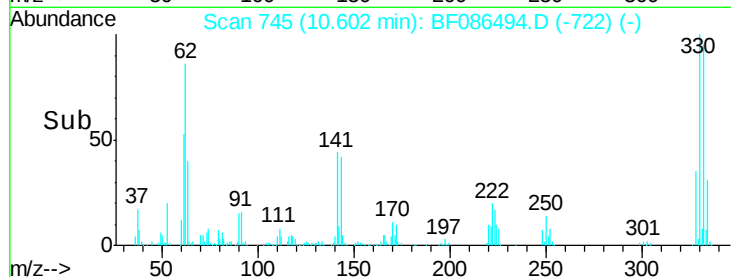
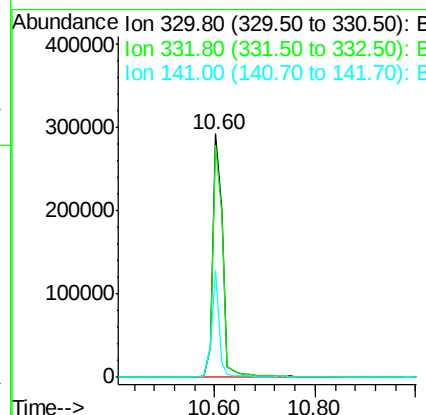
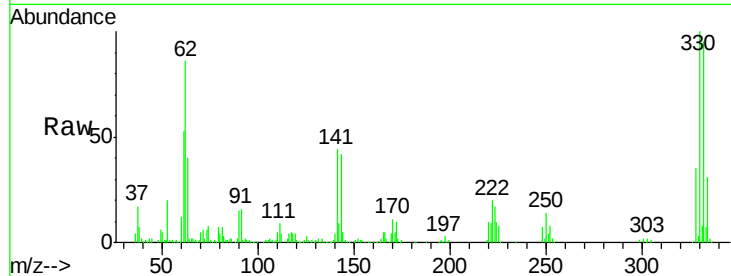
#41
 2,4,6-Tribromophenol
 Concen: 117.11 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF086494.D
 Acq: 29 Apr 2016 16:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-004

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	79.0	118.4	
141	34.5	31.2	46.8	

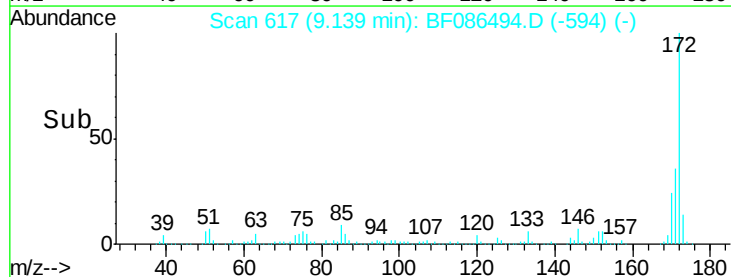
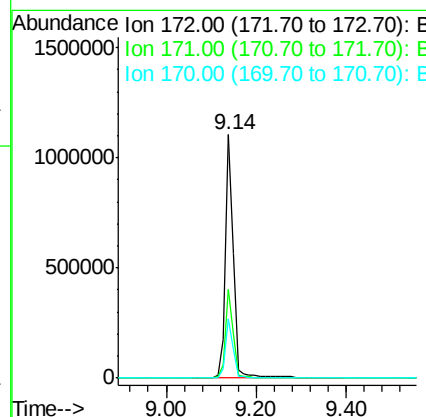
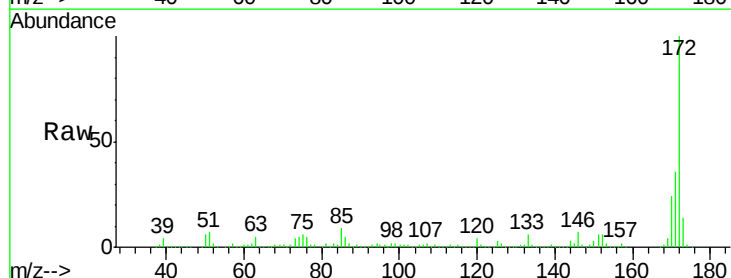
Manual Integrations
 APPROVED

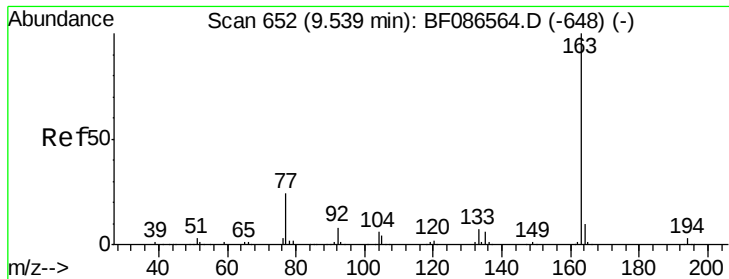
sohil
 4/30/2016 11:22:46 AM



#44
 2-Fluorobiphenyl
 Concen: 72.85 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: BF086494.D
 Acq: 29 Apr 2016 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.0	43.6	
170	24.4	19.8	29.8	





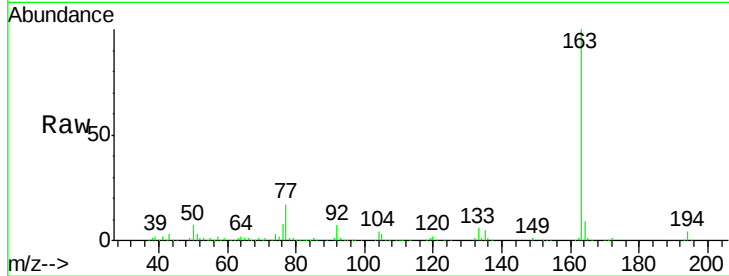
#49
Dimethylphthalate
Concen: 10.50 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086494.D
Acq: 29 Apr 2016 16:10

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-004

Tot Ion	Ratio	Resp	Lower	Upper
163	100	256580		
194	3.5	2.6	4.0	
164	9.5	8.2	12.4	

Manual Integrations
APPROVED

sohil
4/30/2016 11:22:46 AM

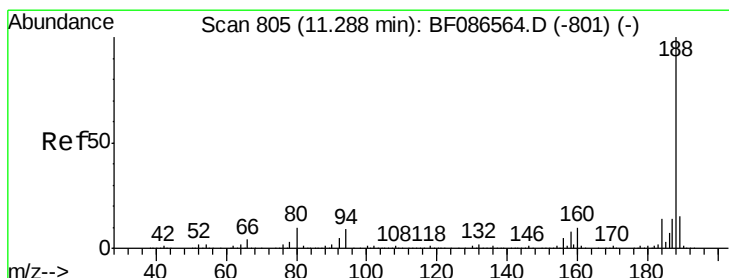
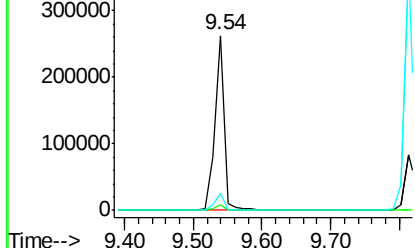
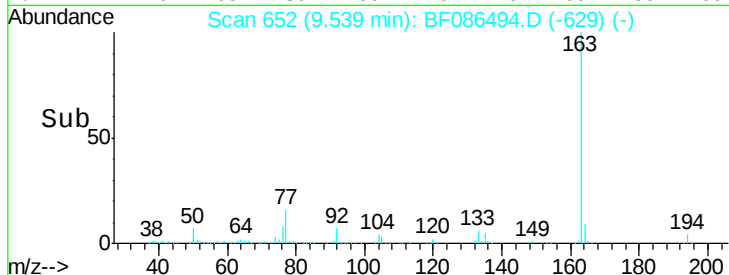


Abundance

Ion 163.00 (162.70 to 163.70): E

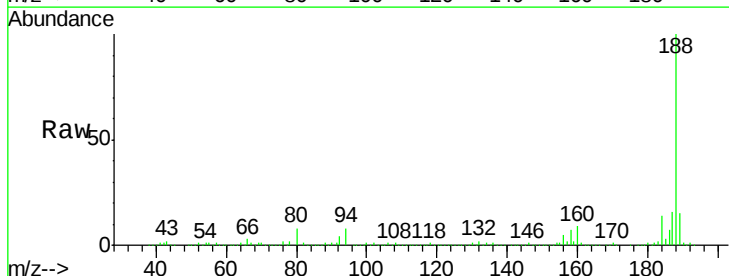
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF086494.D
Acq: 29 Apr 2016 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	554516		
94	7.8	6.8	10.2	
80	7.9	7.1	10.7	

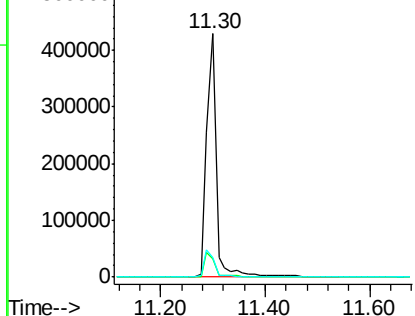
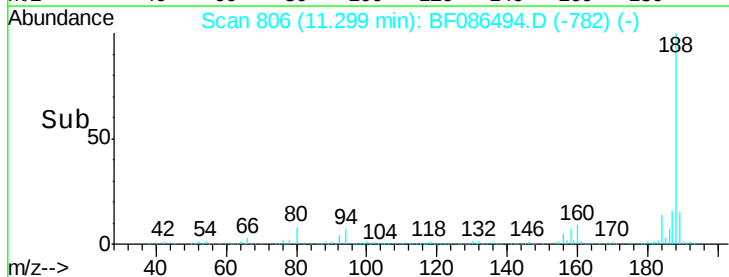


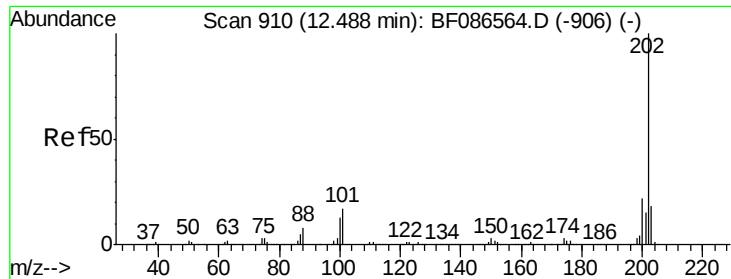
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.81 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF086494.D

Acq: 29 Apr 2016 16:10

Instrument :

BNA_F

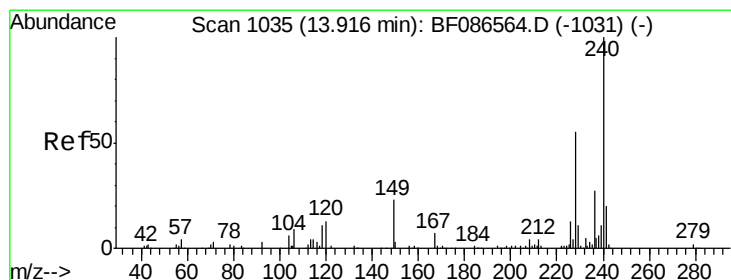
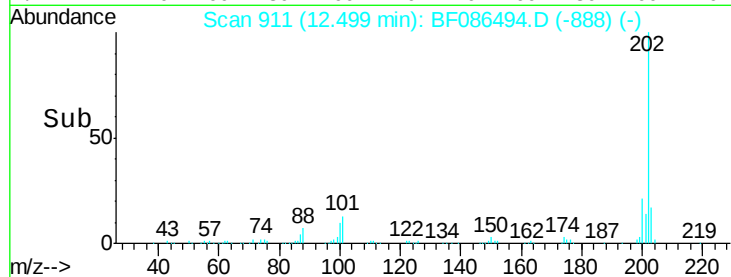
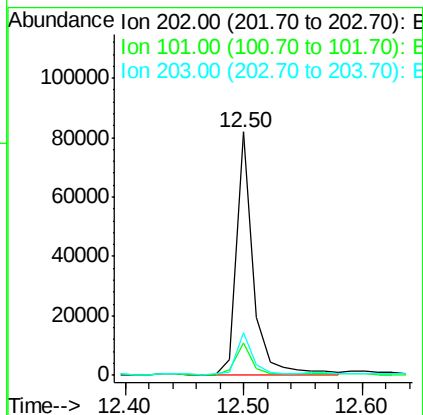
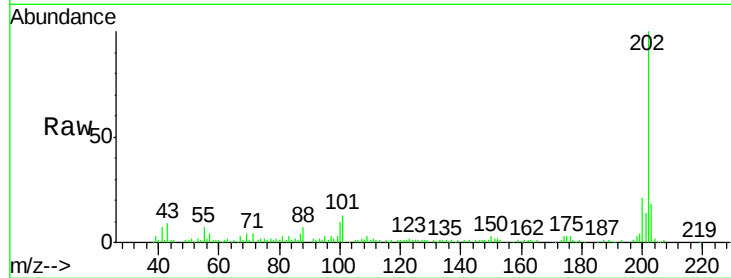
ClientSampleId :

IM-TOPSOIL-004

Tot Ion:	202	Resp:	82514
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	35.4
203	17.7	0.0	38.1

Manual Integrations
APPROVED

sohil
4/30/2016 11:22:46 AM



#75

Chrysene-d12

Concen: 20.00 ng

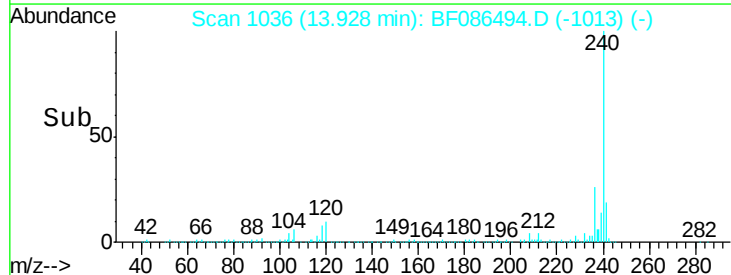
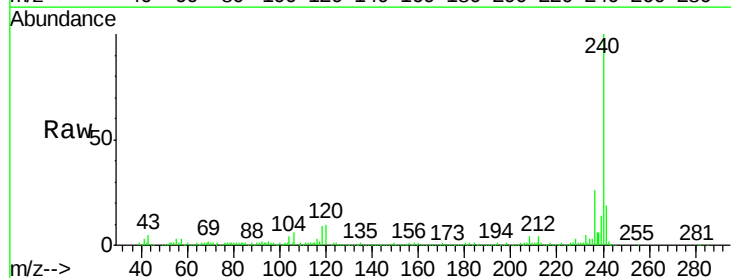
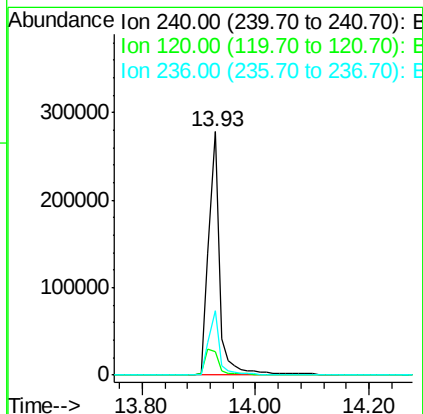
RT: 13.93 min Scan# 1036

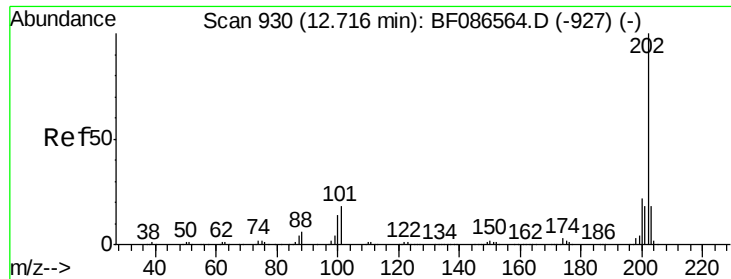
Delta R.T. -0.03 min

Lab File: BF086494.D

Acq: 29 Apr 2016 16:10

Tgt Ion:	240	Resp:	362946
Ion Ratio	Lower	Upper	
240	100		
120	9.9	11.2	16.8#
236	26.2	21.2	31.8





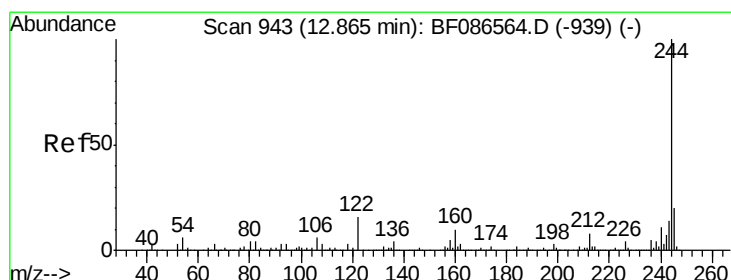
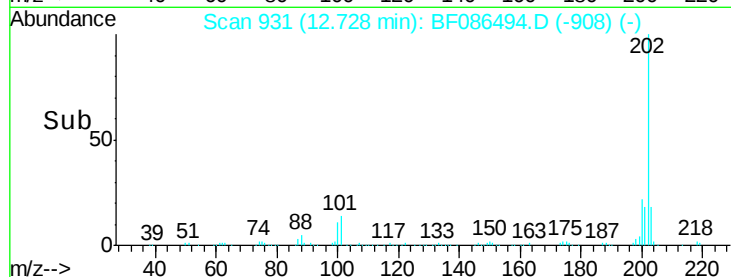
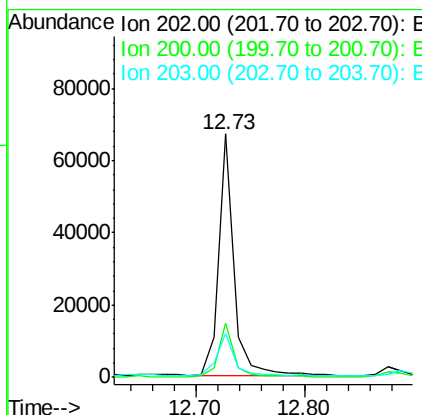
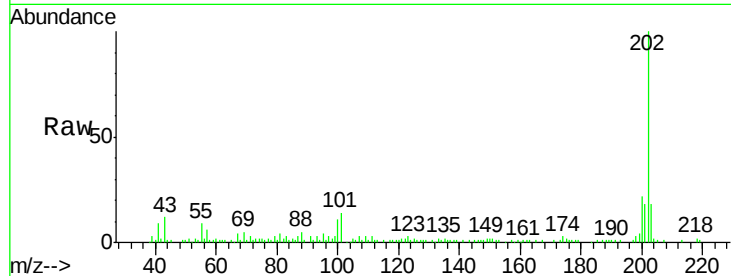
#77
Pvrene
Concen: 2.50 ng
RT: 12.73 min Scan# 931
Delta R.T. -0.03 min
Lab File: BF086494.D
Acq: 29 Apr 2016 16:10

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-004

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.7	26.5
203	18.1	14.2	21.4

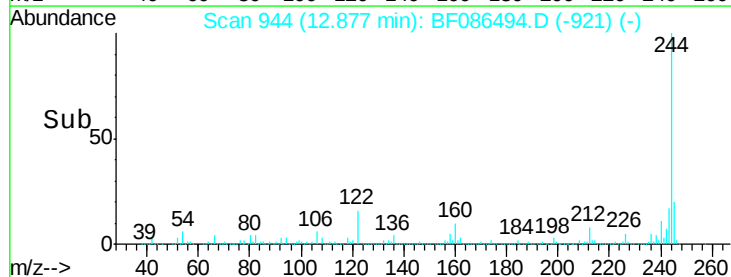
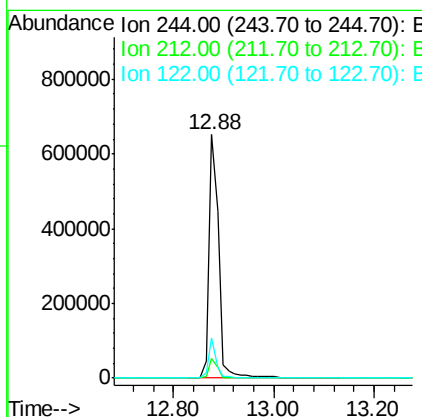
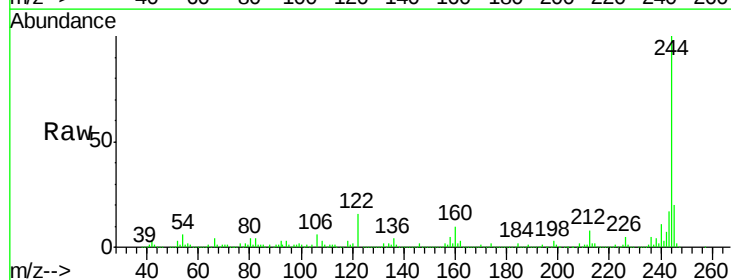
Manual Integrations
APPROVED

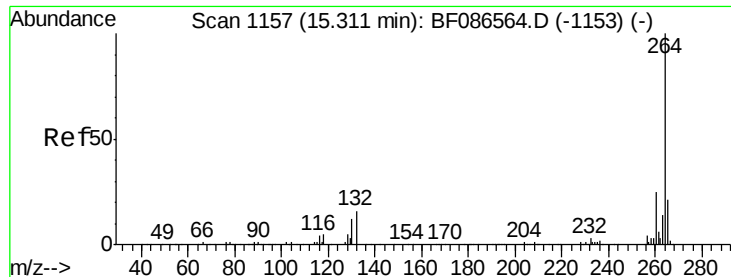
sohil
4/30/2016 11:22:46 AM



#78
Terphenyl-d14
Concen: 52.74 ng
RT: 12.88 min Scan# 944
Delta R.T. -0.03 min
Lab File: BF086494.D
Acq: 29 Apr 2016 16:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	16.4	12.0	18.0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.03 min

Lab File: BF086494.D

Acq: 29 Apr 2016 16:10

Instrument :

BNA_F

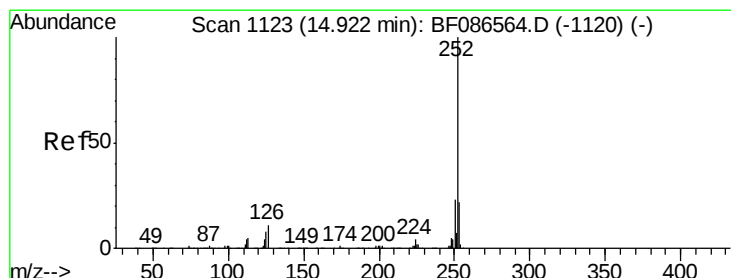
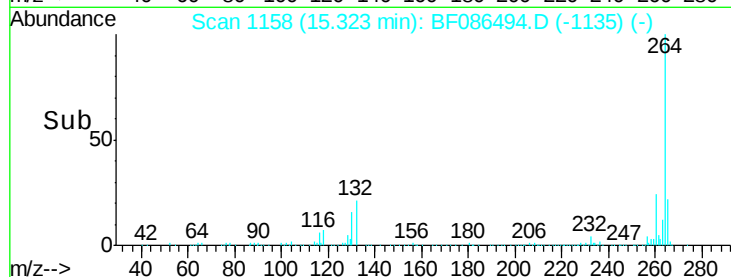
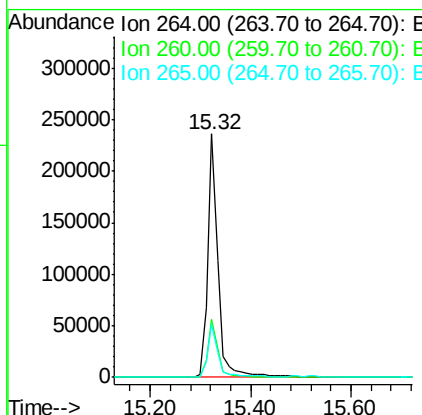
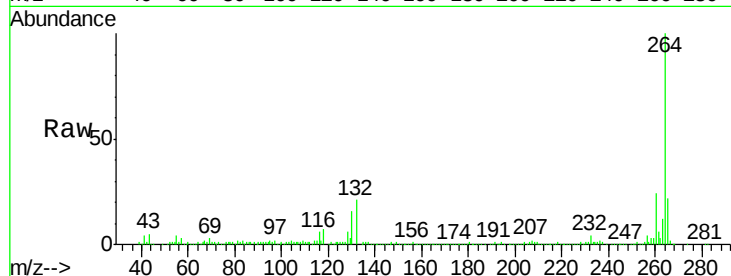
ClientSampleId :

IM-TOPSOIL-004

Tot Ion:	264	Resp:	335896
Ion Ratio		Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.8	17.3	25.9

Manual Integrations
APPROVED

sohil
4/30/2016 11:22:46 AM



#87

Benzo(b)fluoranthene

Concen: 2.53 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.03 min

Lab File: BF086494.D

Acq: 29 Apr 2016 16:10

Tgt Ion:	252	Resp:	49948
Ion Ratio		Lower	Upper
252	100		
253	24.0	17.8	26.6
125	22.1	11.4	17.0#

