

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
 Data File : BF084748.D
 Acq On : 2 Feb 2016 11:17
 Operator : SJ/IZ
 Sample : H1306-02DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01DL

Manual Integrations
 APPROVED

MMDadoda
 2/3/2016 6:25:34 PM

Quant Time: Feb 03 02:53:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	157130	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	560927	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	240090	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	460830	20.00	ng	-0.01
75) Chrysene-d12	13.85	240	535171	20.00	ng	-0.02
86) Perylene-d12	15.23	264	421877	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	644284	63.87	ng	-0.02
7) Phenol-d6	6.35	99	833682	66.66	ng	-0.02
23) Nitrobenzene-d5	7.26	82	484088	48.62	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	158738	63.39	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	634073	36.96	ng	-0.02
78) Terphenyl-d14	12.81	244	749892	31.75	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.72	142	827361	46.98	ng	97
45) 1,1'-Biphenyl	9.17	154	237311	11.07	ng	98
49) Dimethylphthalate	9.47	163	165373	9.04	ng	# 80
51) Acenaphthene	9.78	154	157084	10.08	ng	# 86
57) Fluorene	10.29	166	274625m	17.26	ng	
70) Phenanthrene	11.25	178	772596m	30.23	ng	

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

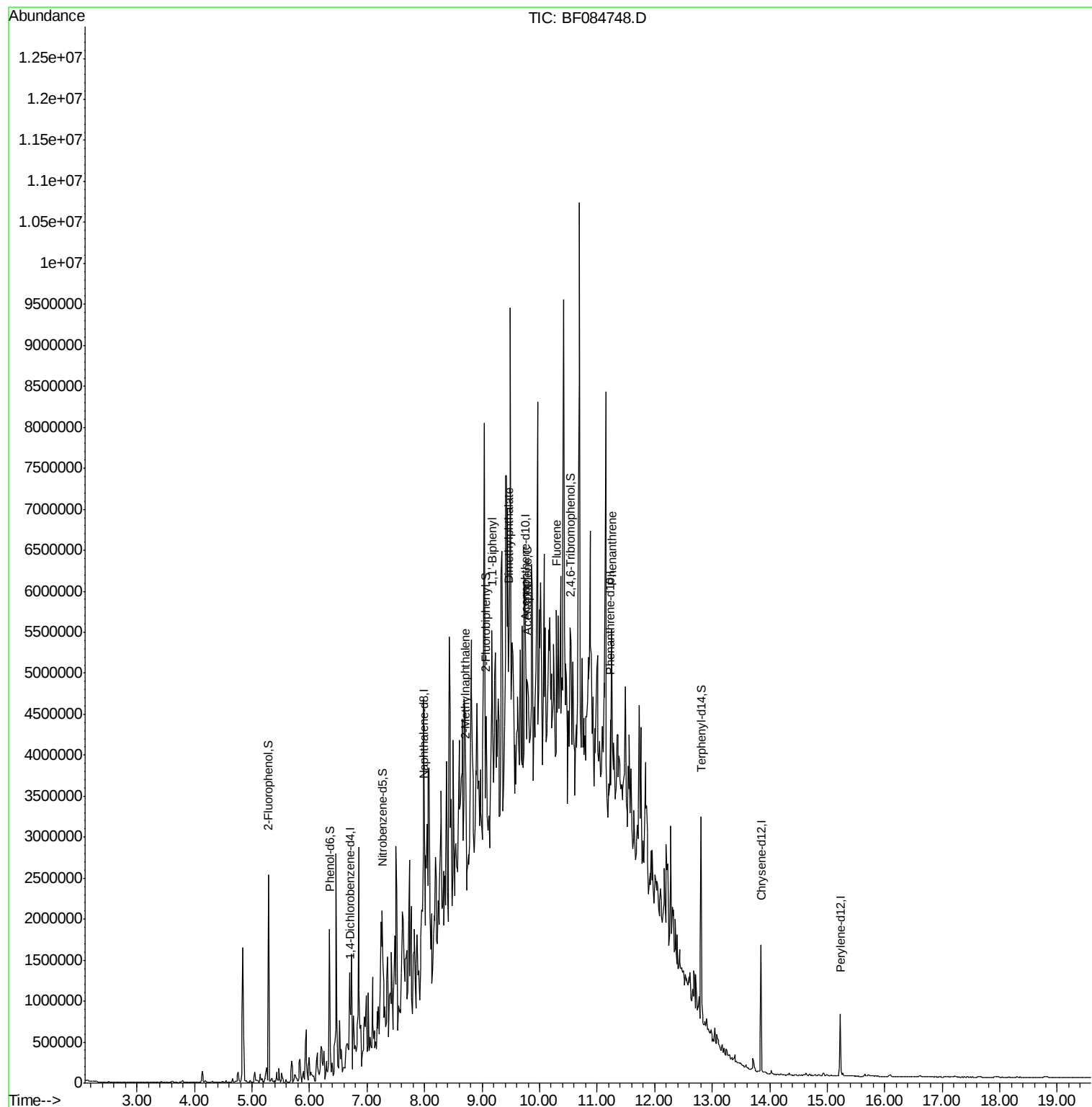
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
Data File : BF084748.D
Acq On : 2 Feb 2016 11:17
Operator : SJ/IZ
Sample : H1306-02DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

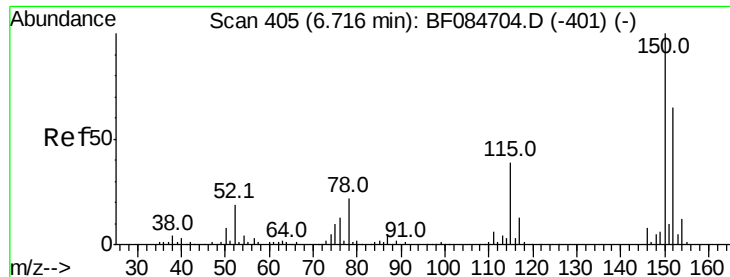
Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01DL

Manual Integrations
APPROVED

MMDadoda
2/3/2016 6:25:34 PM

Quant Time: Feb 03 02:53:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration





#1

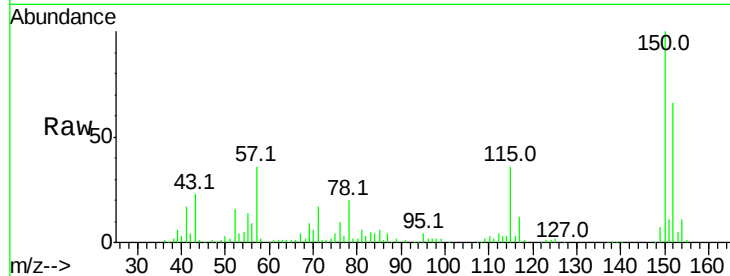
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF084748.D
Acq: 2 Feb 2016 11:17

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01DL

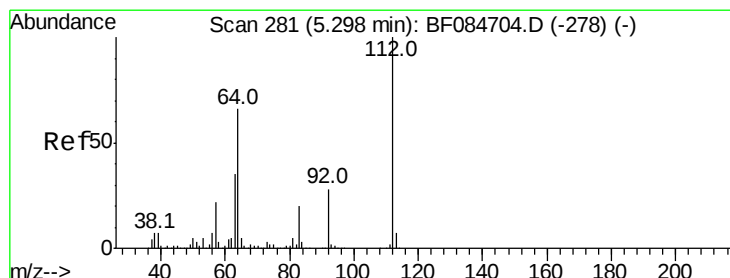
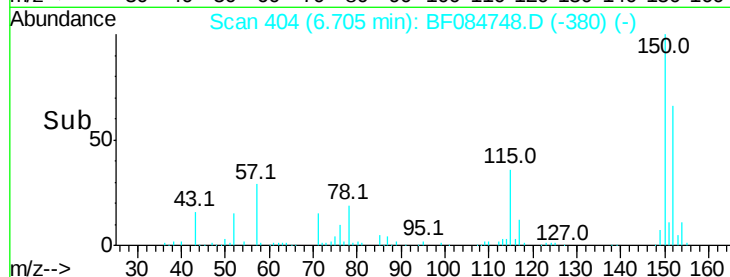
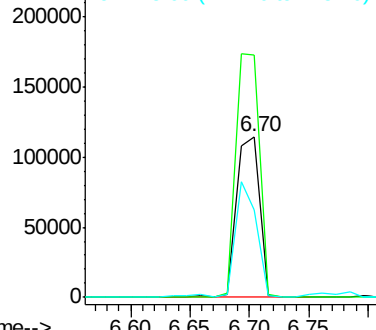
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	123.0	184.4
115	54.4	51.4	77.2

Manual Integrations
APPROVED

MMDadoda
2/3/2016 6:25:34 PM



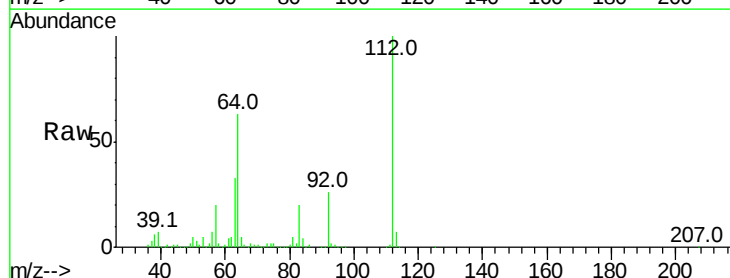
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



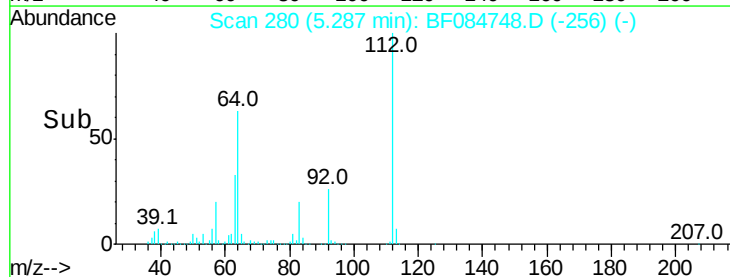
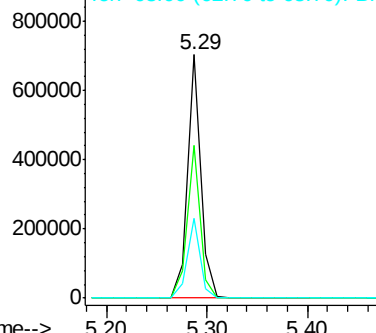
#5

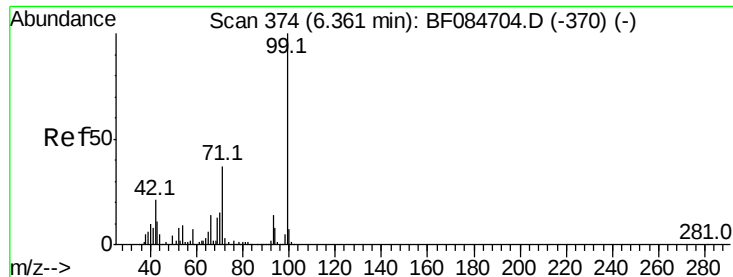
2-Fluorophenol
Concen: 63.87 ng
RT: 5.29 min Scan# 280
Delta R.T. -0.02 min
Lab File: BF084748.D
Acq: 2 Feb 2016 11:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	36.6	55.0#
63	32.7	19.4	29.0#



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: 66.66 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084748.D

Acq: 2 Feb 2016 11:17

Instrument :

BNA_F

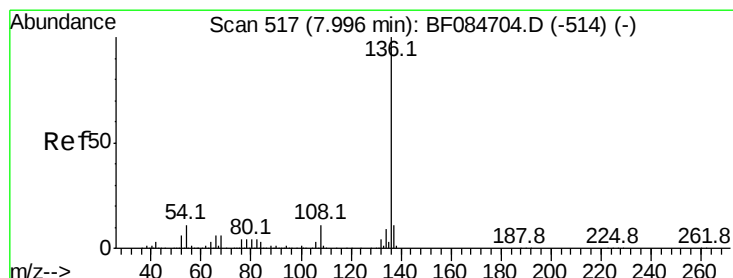
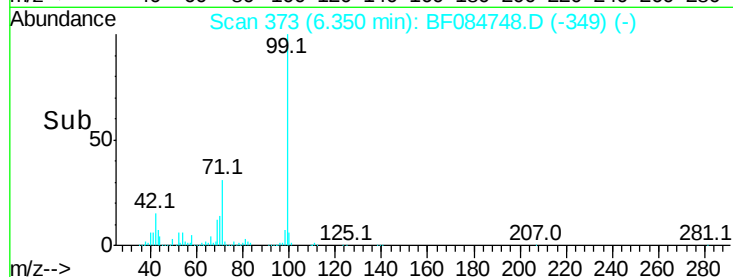
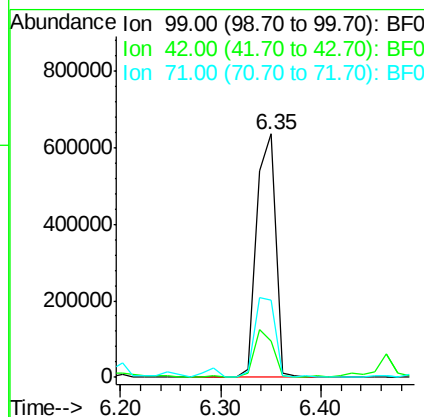
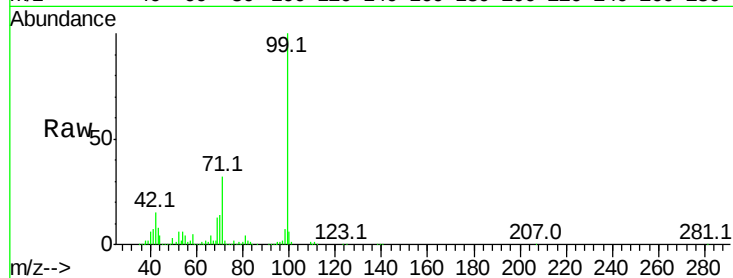
ClientSampleId :

BLFS-SOIL01DL

Tot Ion:	99	Resp:	833682
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.8	19.2
71	31.7	30.9	46.3

Manual Integrations
APPROVED

MMDadoda
2/3/2016 6:25:34 PM



#21

Naphthalene-d8

Concen: 20.00 ng

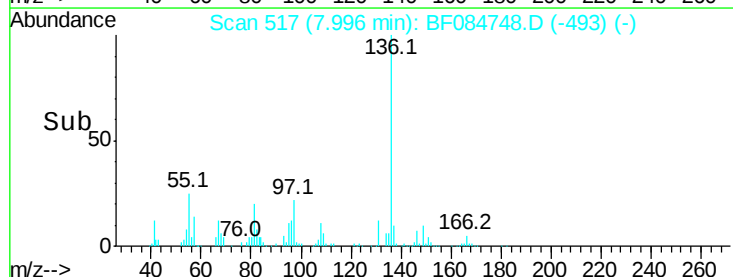
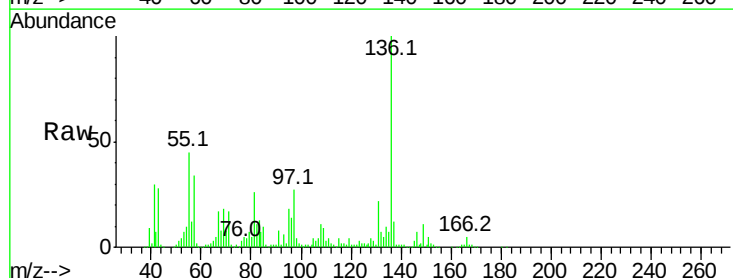
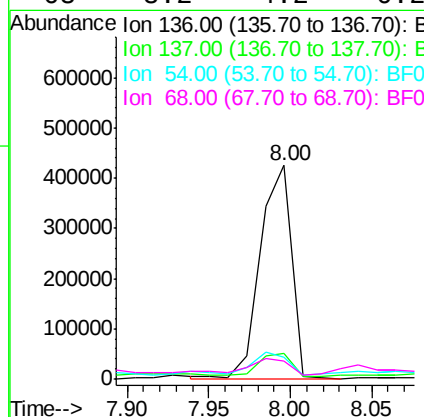
RT: 8.00 min Scan# 517

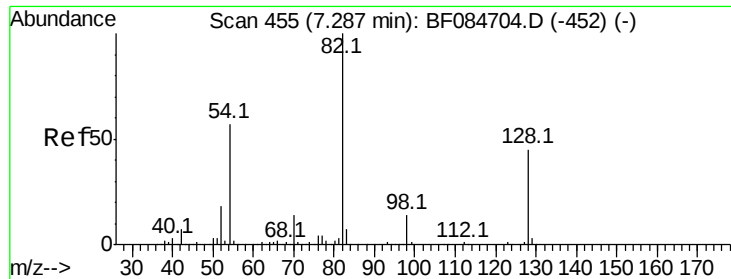
Delta R.T. -0.02 min

Lab File: BF084748.D

Acq: 2 Feb 2016 11:17

Tgt Ion:	136	Resp:	560927
Ion Ratio	Lower	Upper	
136	100		
137	11.9	8.7	13.1
54	10.0	5.8	8.8#
68	8.2	4.2	6.2#





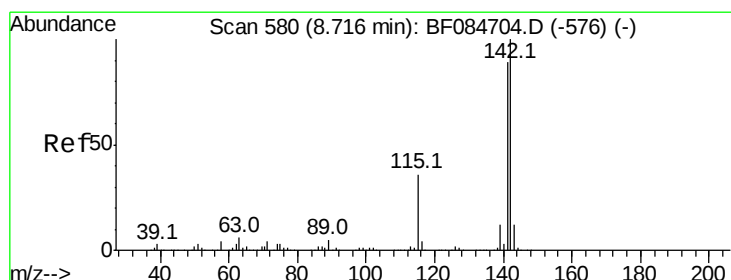
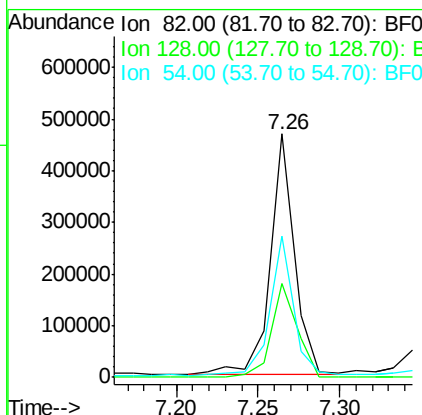
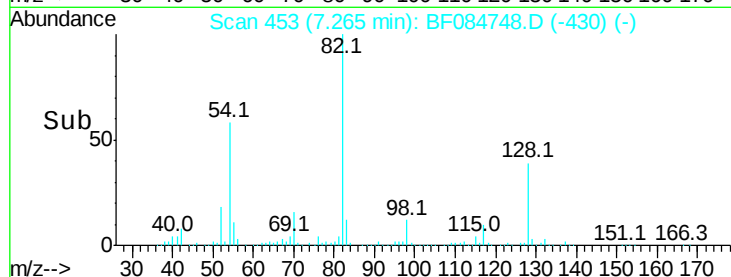
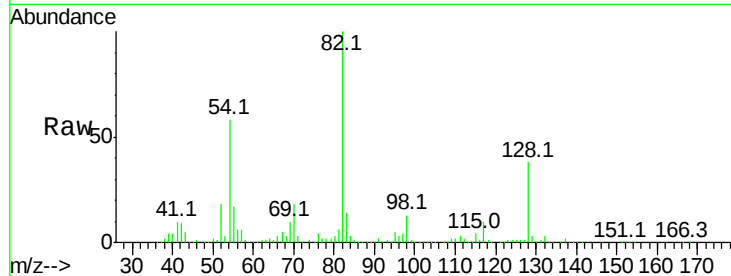
#23
Nitrobenzene-d5
Concen: 48.62 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF084748.D
Acq: 2 Feb 2016 11:17

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.4	34.6	51.8	
54	58.1	38.4	57.6	

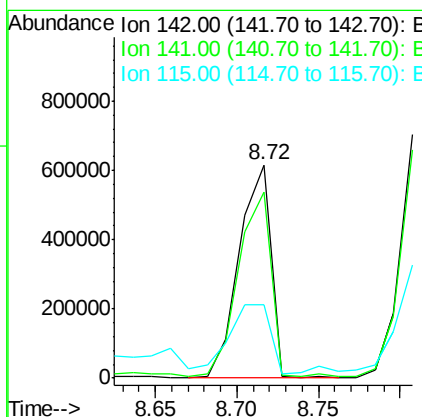
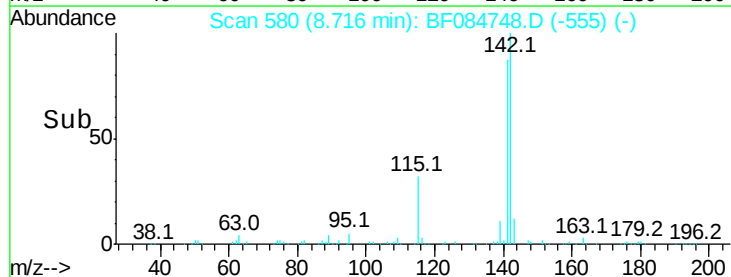
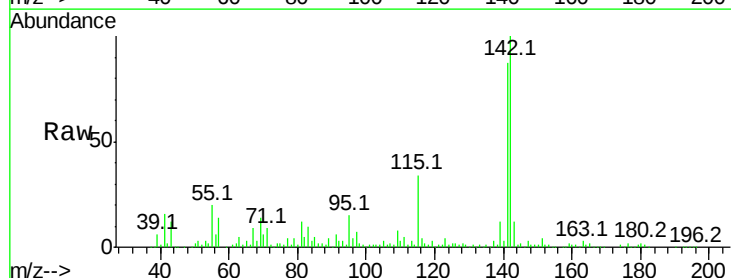
Manual Integrations
APPROVED

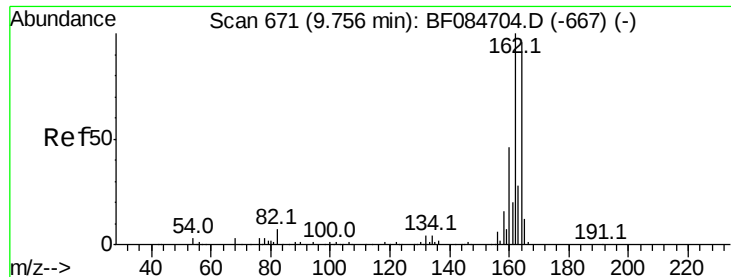
MMDadoda
2/3/2016 6:25:34 PM



#37
2-Methylnaphthalene
Concen: 46.98 ng
RT: 8.72 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF084748.D
Acq: 2 Feb 2016 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	87.3	72.4	108.6	
115	34.4	27.9	41.9	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084748.D

Acq: 2 Feb 2016 11:17

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01DL

Tot Ion:164 Resp: 240090

Ion Ratio Lower Upper

164 100

162 108.5 85.1 127.7

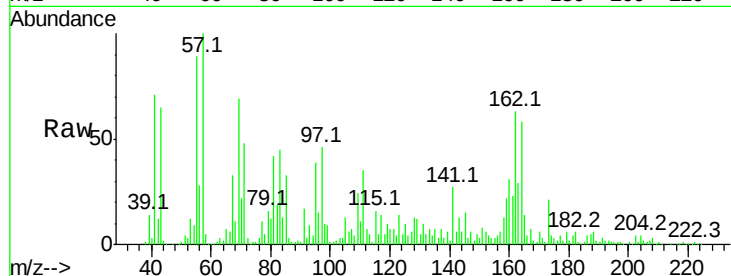
160 53.0 37.5 56.3

Manual Integrations

APPROVED

MMDadoda

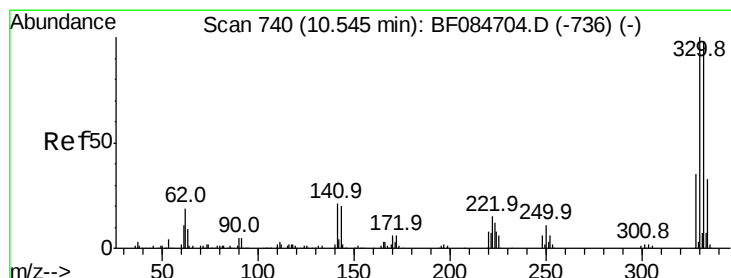
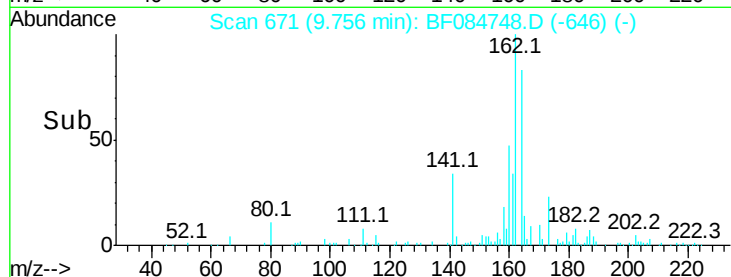
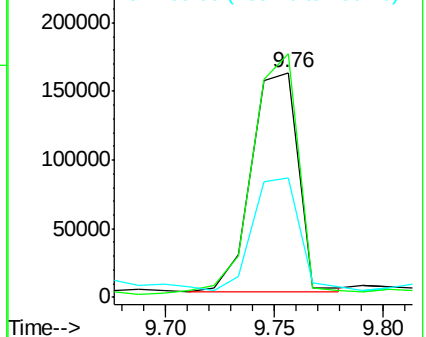
2/3/2016 6:25:34 PM



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 63.39 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF084748.D

Acq: 2 Feb 2016 11:17

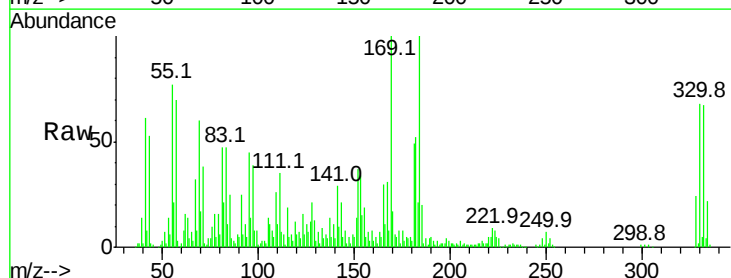
Tgt Ion:330 Resp: 158738

Ion Ratio Lower Upper

330 100

332 97.8 76.6 114.8

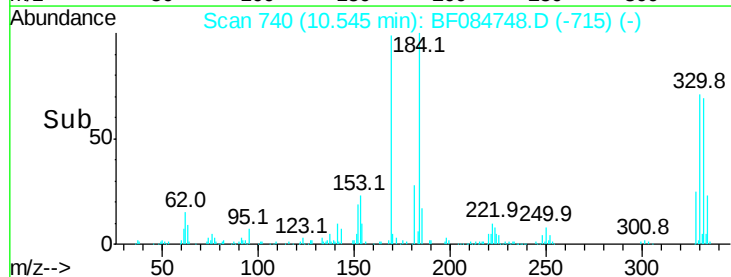
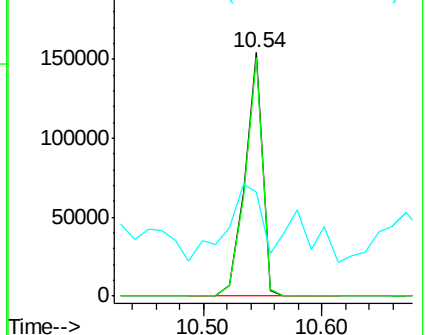
141 68.1 27.8 41.6#

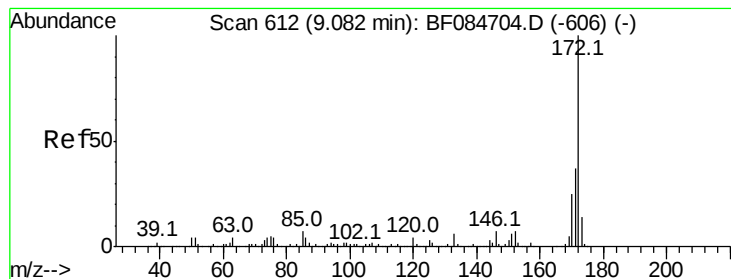


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





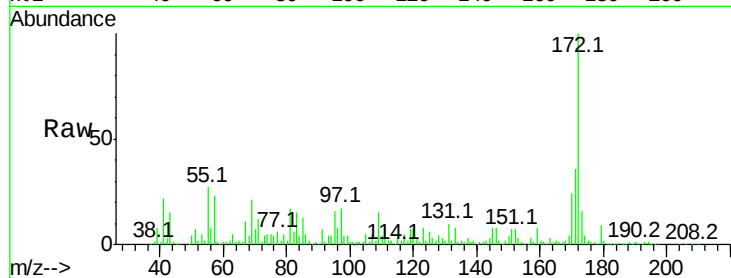
#44
 2-Fluorobiphenyl
 Concen: 36.96 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084748.D
 Acq: 2 Feb 2016 11:17

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01DL

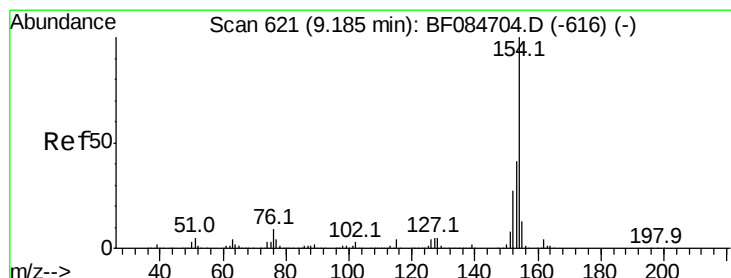
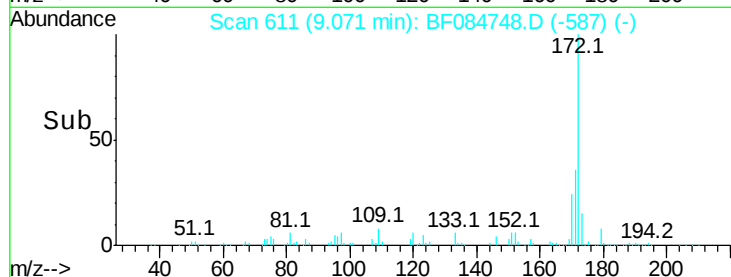
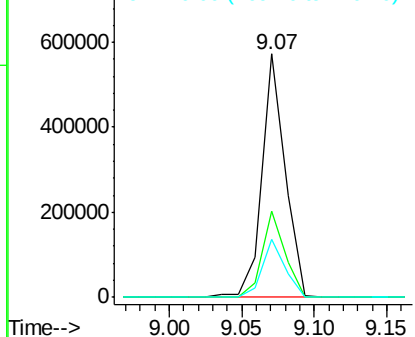
Tot Ion:	172	Resp:	634073
Ion Ratio	Lower	Upper	
172	100		
171	35.6	28.9	43.3
170	24.0	18.6	27.8

Manual Integrations
 APPROVED

MMDadoda
 2/3/2016 6:25:34 PM

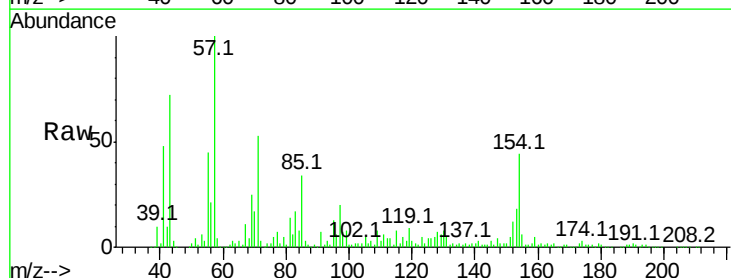


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

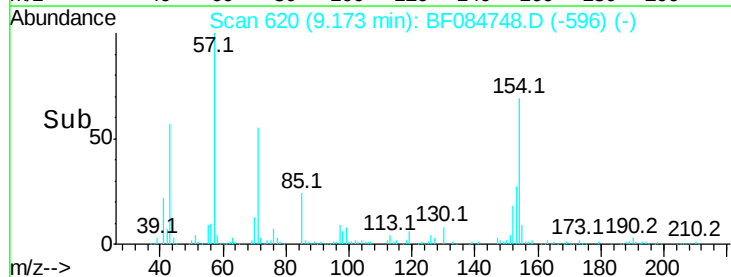
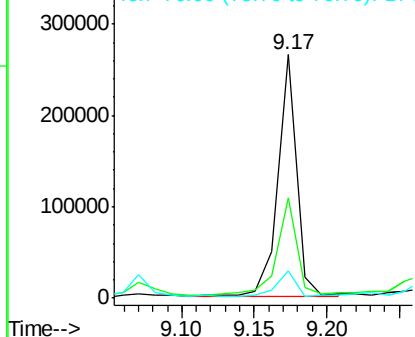


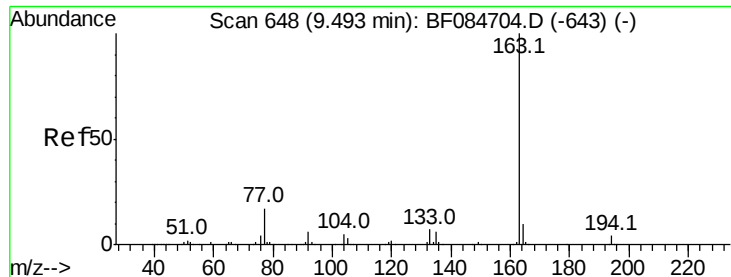
#45
 1,1'-Biphenyl
 Concen: 11.07 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF084748.D
 Acq: 2 Feb 2016 11:17

Tgt Ion:	154	Resp:	237311
Ion Ratio	Lower	Upper	
154	100		
153	41.1	21.6	61.6
76	11.1	0.0	32.7



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 9.04 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.03 min

Lab File: BF084748.D

Acq: 2 Feb 2016 11:17

Instrument :

BNA_F

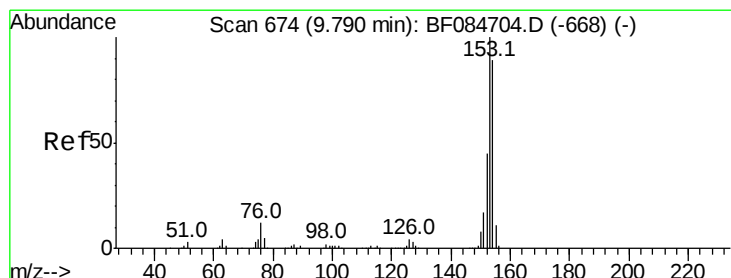
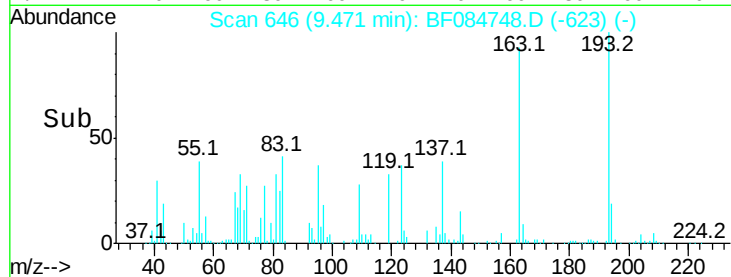
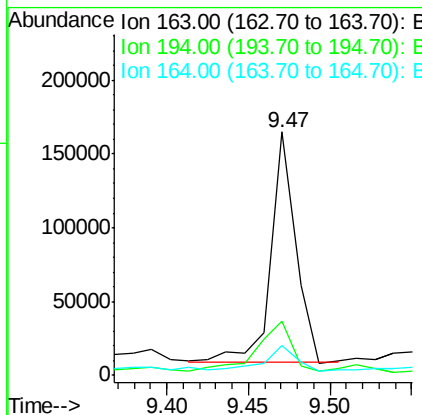
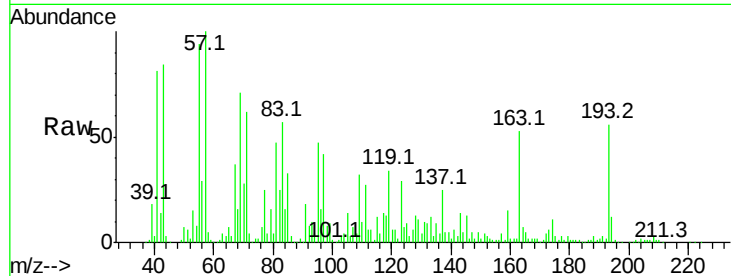
ClientSampleId :

BLFS-SOIL01DL

Tot Ion:	163	Resp:	165373
Ion Ratio	Lower	Upper	
163	100		
194	22.3	8.0	12.0#
164	12.3	8.0	12.0#

Manual Integrations
APPROVED

MMDadoda
2/3/2016 6:25:34 PM



#51

Acenaphthene

Concen: 10.08 ng

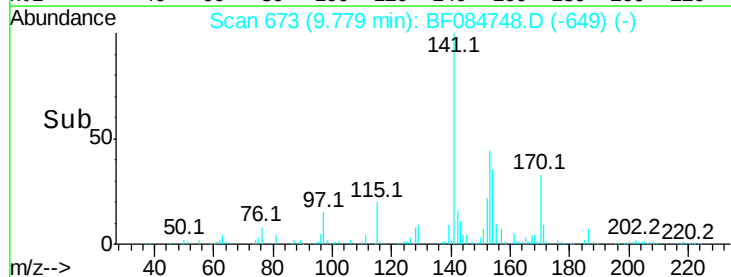
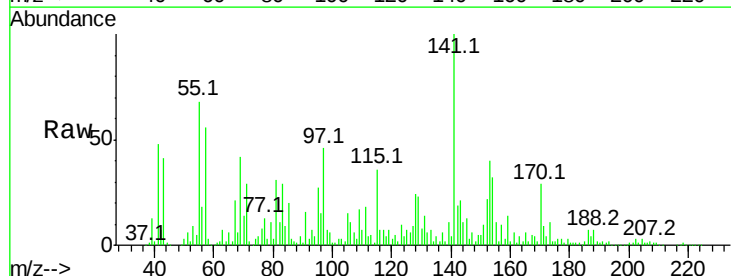
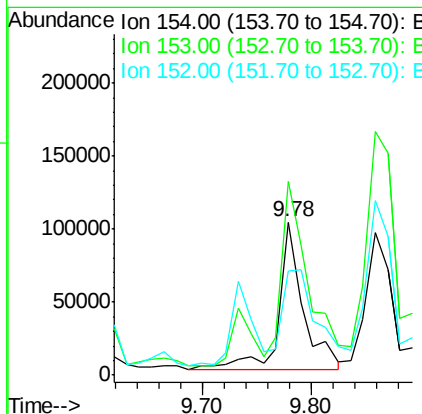
RT: 9.78 min Scan# 673

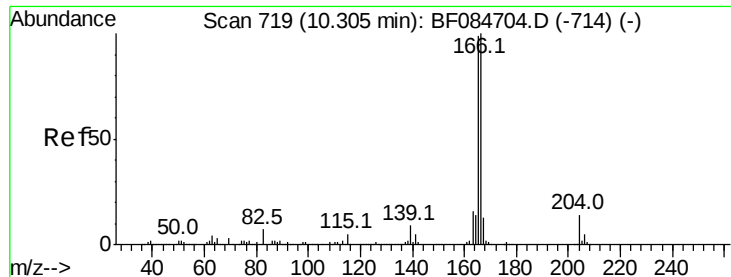
Delta R.T. -0.02 min

Lab File: BF084748.D

Acq: 2 Feb 2016 11:17

Tgt Ion:	154	Resp:	157084
Ion Ratio	Lower	Upper	
154	100		
153	126.6	91.5	137.3
152	67.7	43.0	64.6#





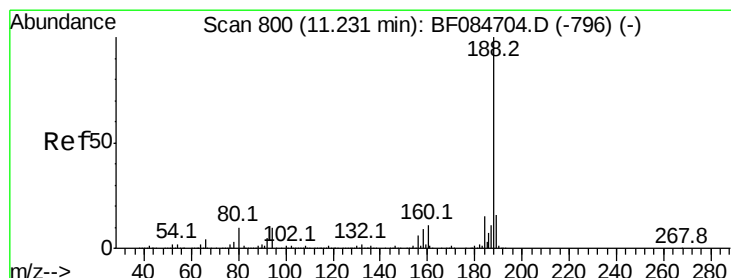
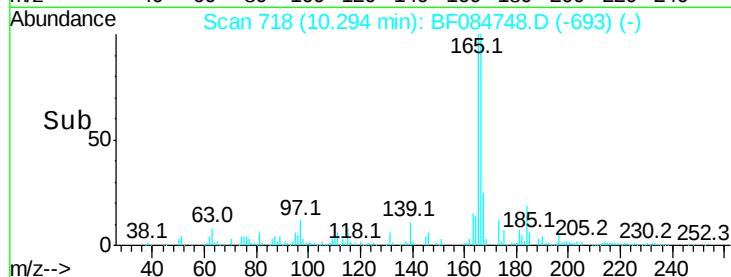
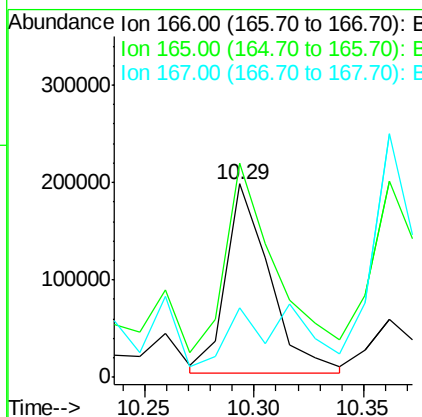
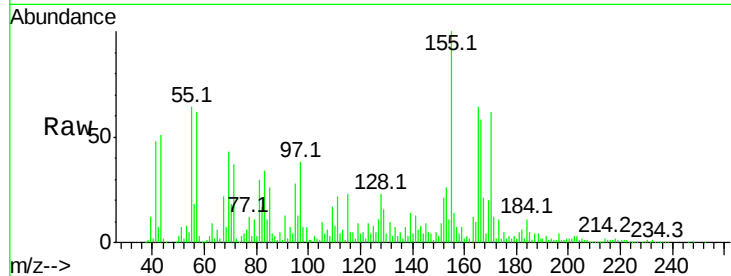
#57
Fluorene
 Concen: 17.26 ng/ml
 RT: 10.29 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: BF084748.D
 Acq: 2 Feb 2016 11:17

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	110.4	79.1	118.7
167	36.2	10.4	15.6

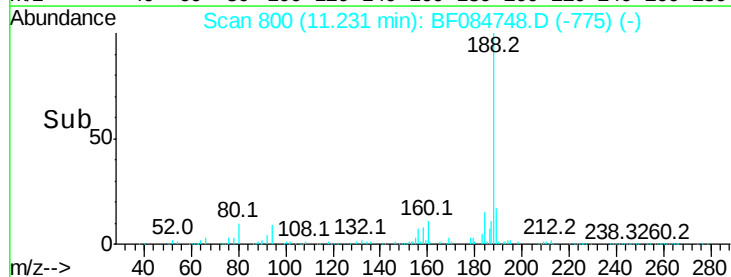
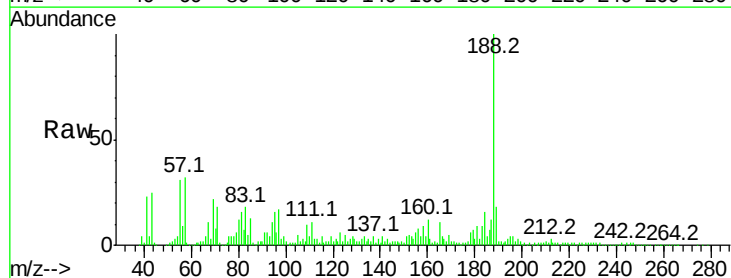
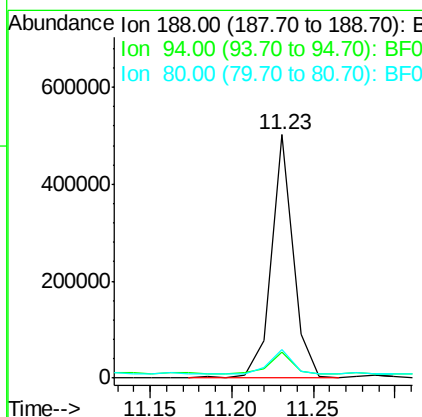
Manual Integrations
 APPROVED

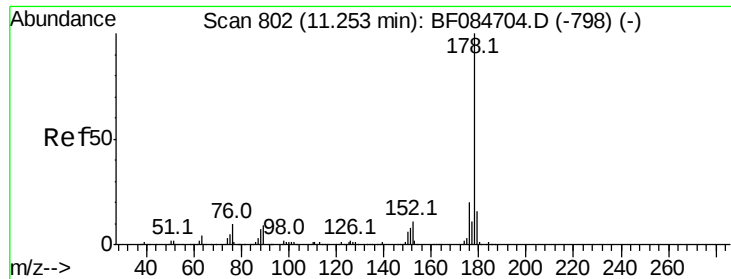
MMDadoda
 2/3/2016 6:25:34 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF084748.D
 Acq: 2 Feb 2016 11:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.0	13.4
80	11.8	9.6	14.4





#70

Phenanthrene

Concen: 30.23 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF084748.D

Acq: 2 Feb 2016 11:17

Instrument :

BNA_F

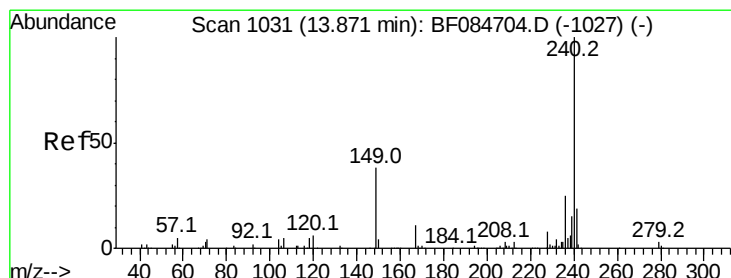
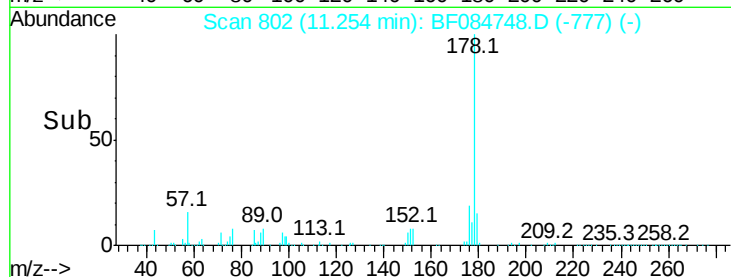
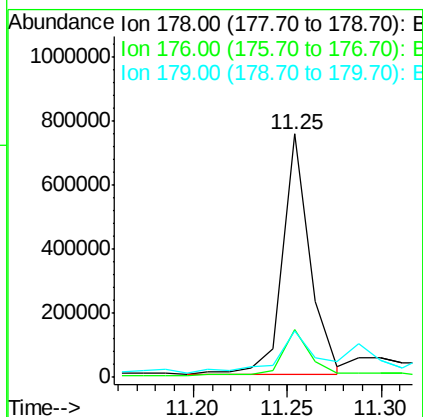
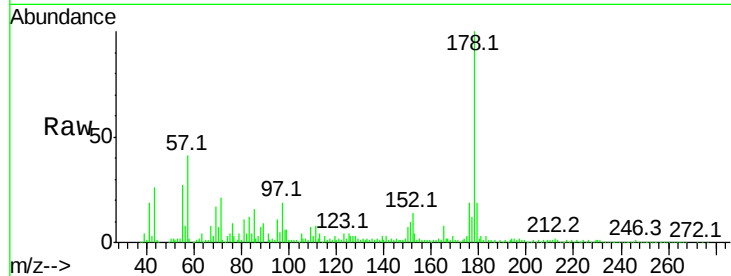
ClientSampleId :

BLFS-SOIL01DL

Tot Ion:	178	Resp:	772596
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.3	22.9
179	19.0	12.0	18.0

Manual Integrations
APPROVED

MMDadoda
2/3/2016 6:25:34 PM



#75

Chrysene-d12

Concen: 20.00 ng

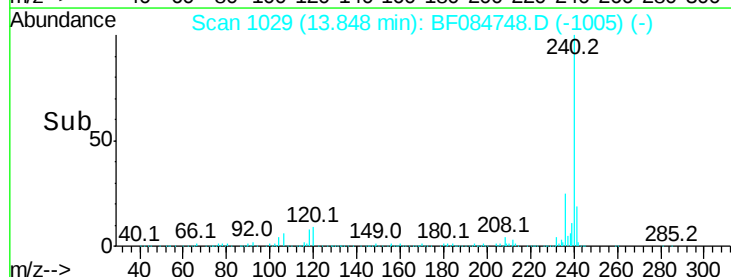
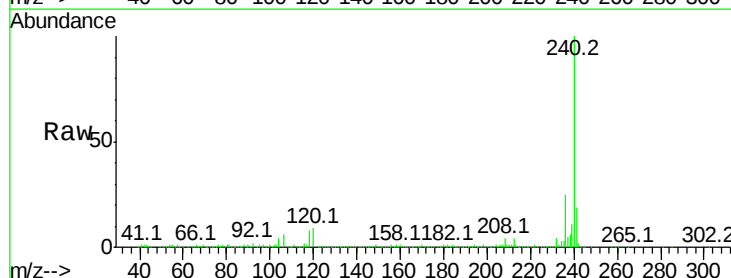
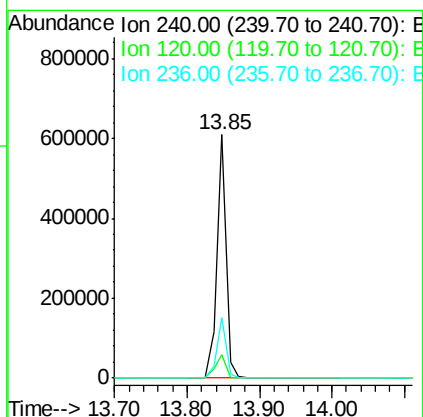
RT: 13.85 min Scan# 1029

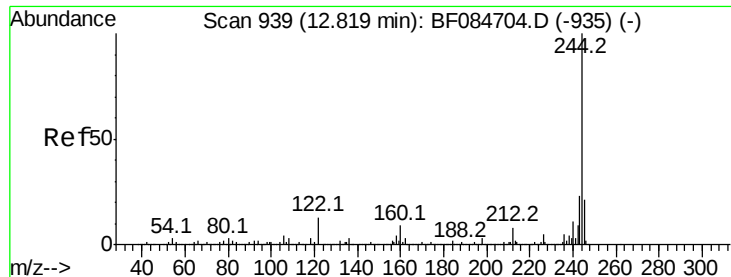
Delta R.T. -0.02 min

Lab File: BF084748.D

Acq: 2 Feb 2016 11:17

Tgt Ion:	240	Resp:	535171
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.5	14.3
236	24.9	20.6	31.0





#78

Terphenyl-d14

Concen: 31.75 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084748.D

Acq: 2 Feb 2016 11:17

Instrument :

BNA_F

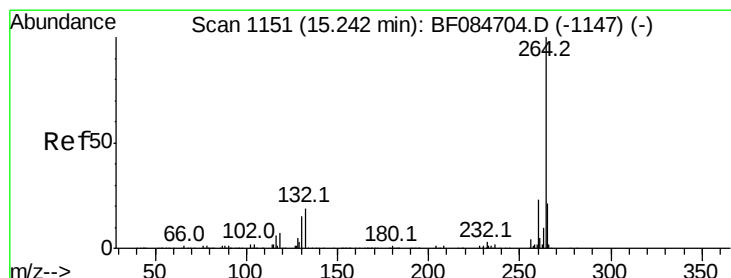
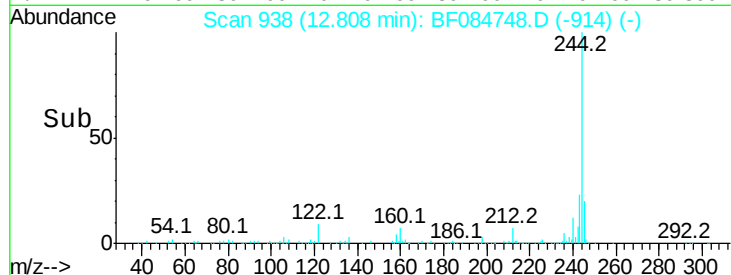
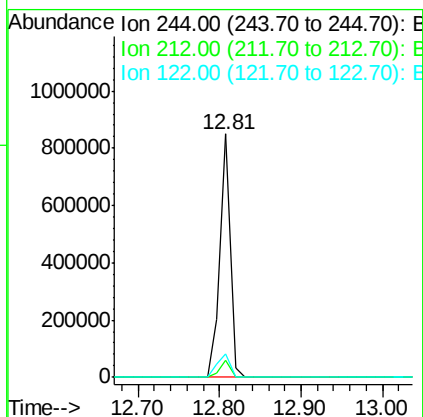
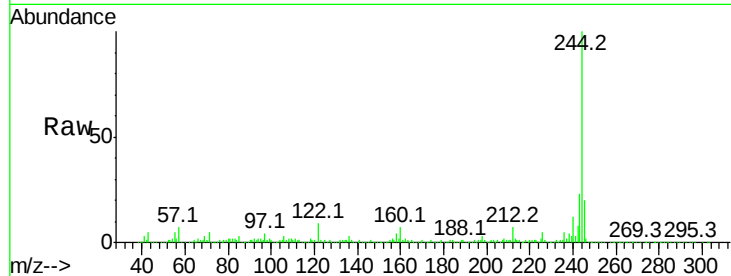
ClientSampleId :

BLFS-SOIL01DL

Tot Ion:	244	Resp:	749892
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.7	8.5
122	9.5	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
2/3/2016 6:25:34 PM



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BF084748.D

Acq: 2 Feb 2016 11:17

Tgt Ion:	264	Resp:	421877
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.4	29.2
265	22.0	17.8	26.6

