

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
 Data File : BF082663.D
 Acq On : 3 Nov 2015 16:24
 Operator : UM/IZ
 Sample : G4236-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-002

Manual Integrations
 APPROVED

Mmdadoda
 11/4/2015 5:26:15 PM

Quant Time: Nov 04 06:23:19 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	184377	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	622262	20.00	ng	0.02
38) Acenaphthene-d10	9.92	164	355161	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	668542	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	594077	20.00	ng	-0.01
86) Perylene-d12	15.51	264	424638	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1462103	119.44	ng	0.02
7) Phenol-d6	6.51	99	1641201	100.92	ng	0.00
23) Nitrobenzene-d5	7.44	82	1391675	91.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	618115	159.03	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	2328895	93.10	ng	0.00
78) Terphenyl-d14	13.00	244	2475270	91.18	ng	0.00
Target Compounds						
10) Phenol	6.52	94	67478	3.66	ng	83
17) 2-Methylphenol	7.13	107	26960	2.39	ng	96
20) 3+4-Methylphenols	7.29	107	94837	6.48	ng	# 70
27) 2,4-Dimethylphenol	7.82	122	232202	21.14	ng	98
31) Naphthalene	8.22	128	15900862	472.24	ng	# 70
32) Benzoic acid	7.90	122	77538m	9.73	ng	
37) 2-Methylnaphthalene	8.88	142	783283	35.89	ng	98
57) Fluorene	10.46	166	54432	2.09	ng	93
73) Di-n-butylphthalate	11.97	149	390169	9.27	ng	98

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

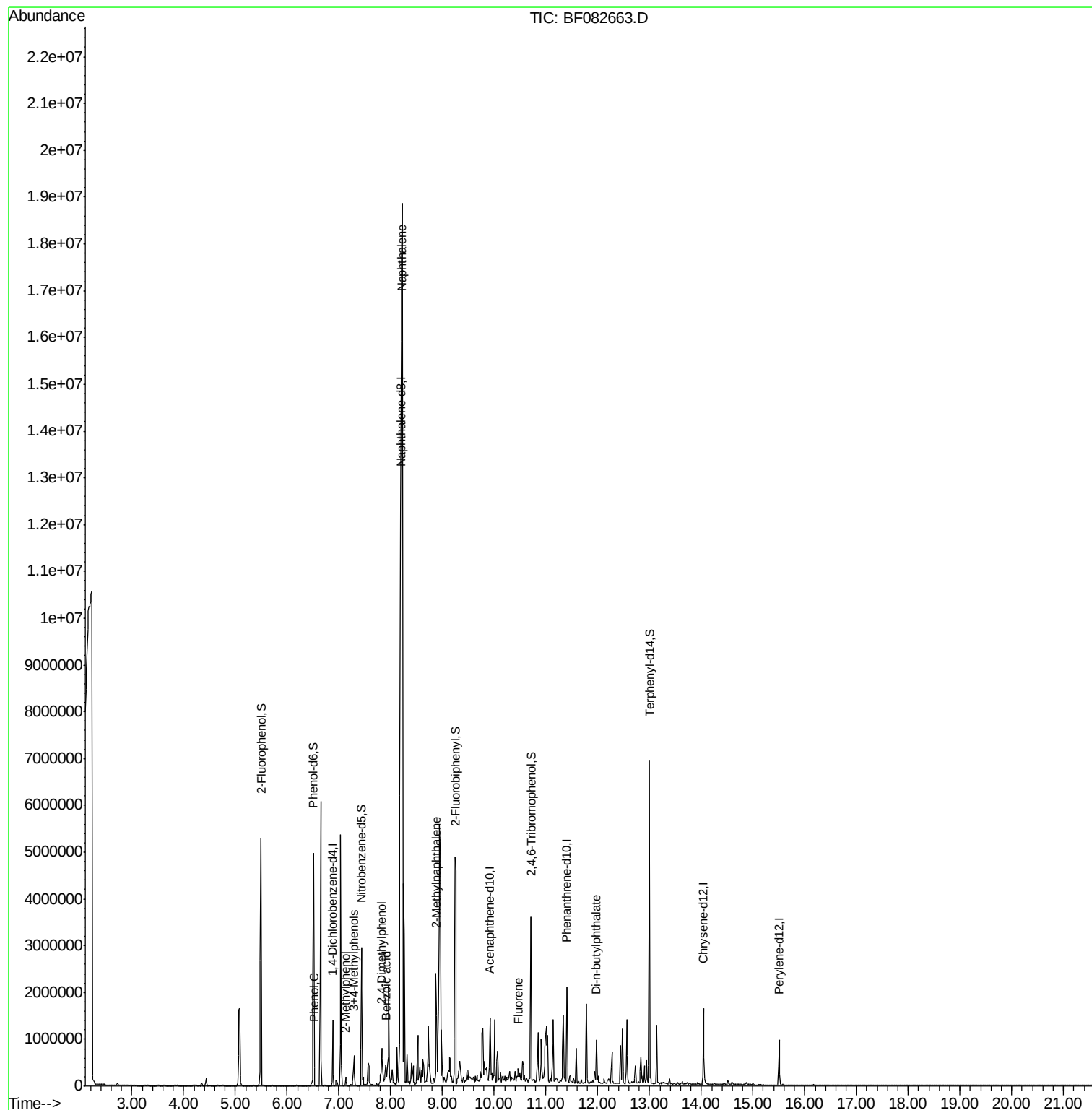
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082663.D
Acq On : 3 Nov 2015 16:24
Operator : UM/IZ
Sample : G4236-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

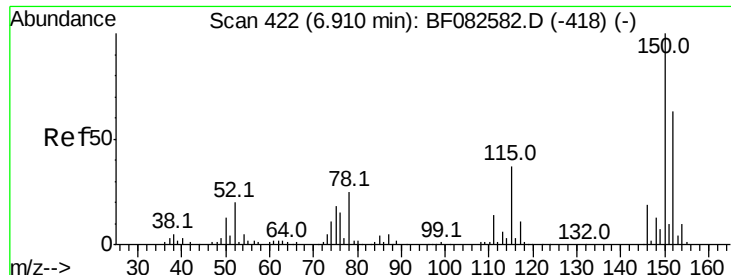
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-002

Manual Integrations
APPROVED

Mmdadoda
11/4/2015 5:26:15 PM

Quant Time: Nov 04 06:23:19 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 03 12:27:47 2015
Response via : Initial Calibration





#1

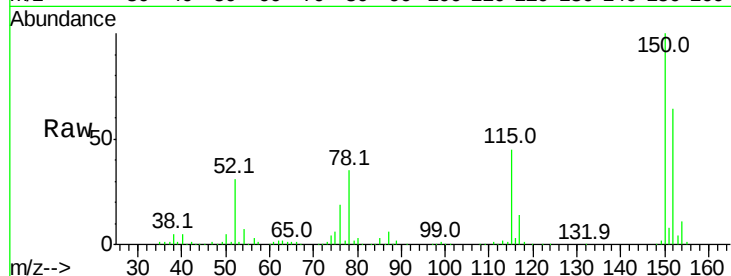
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. 0.00 min
Lab File: BF082663.D
Acq: 3 Nov 2015 16:24

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-002

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	127.0	190.4
115	69.5	47.0	70.6

Manual Integrations
APPROVED

Mmdadoda
11/4/2015 5:26:15 PM

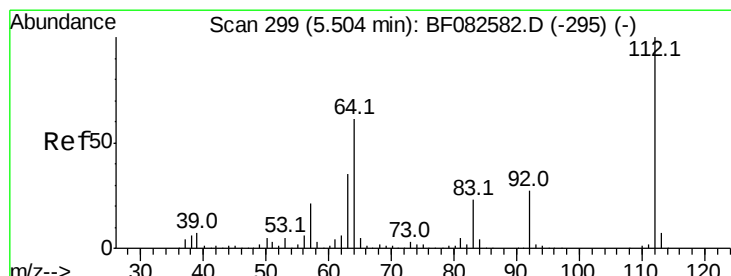
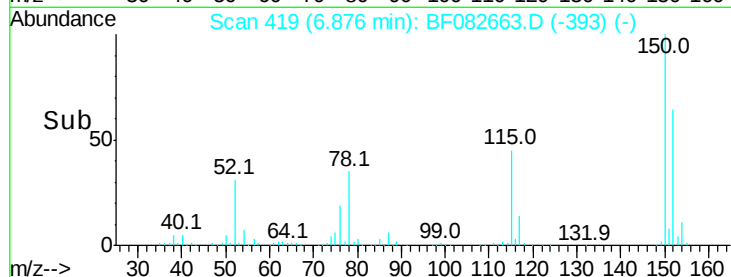
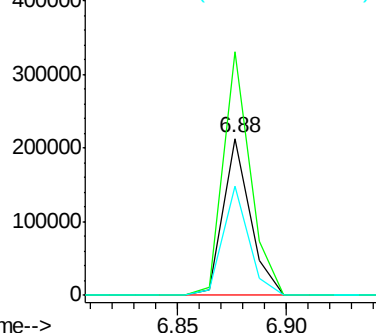


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

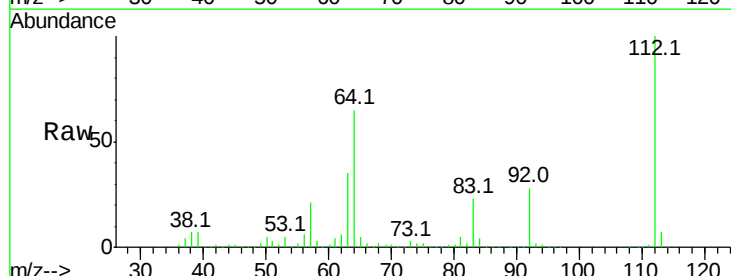
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.44 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.02 min
Lab File: BF082663.D
Acq: 3 Nov 2015 16:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	48.9	73.3
63	35.2	28.1	42.1

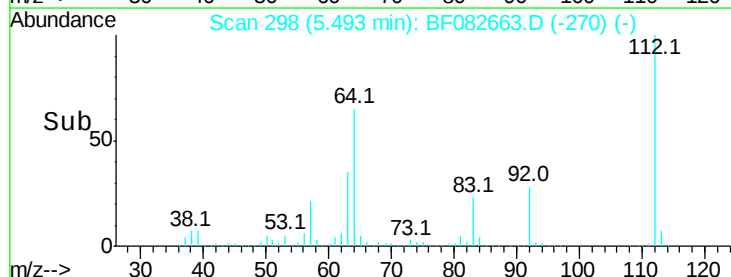
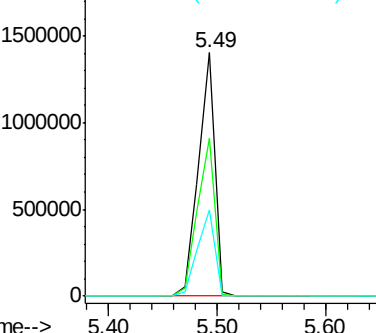


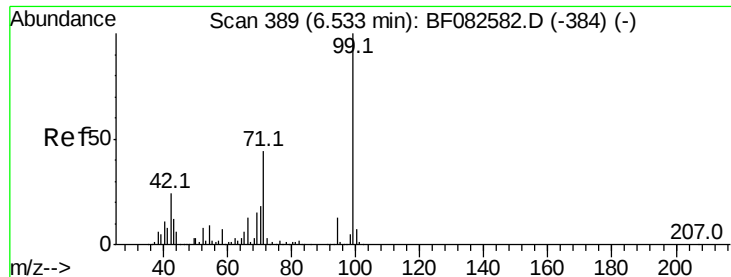
Abundance

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: 100.92 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-002

Tot Ion: 99 Resp: 1641201

Ion Ratio Lower Upper

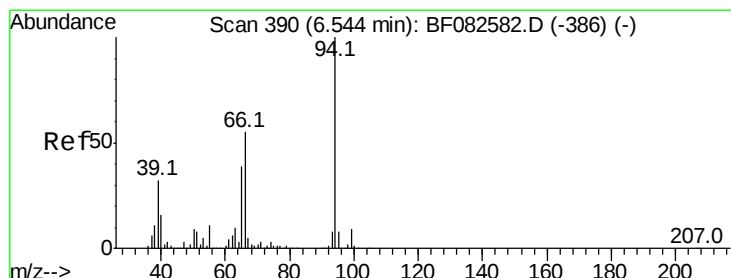
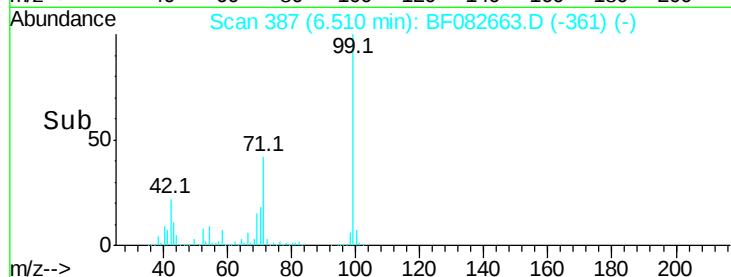
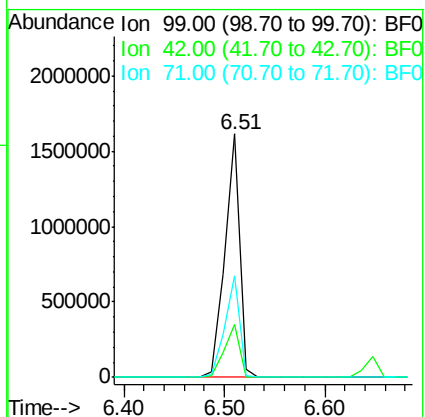
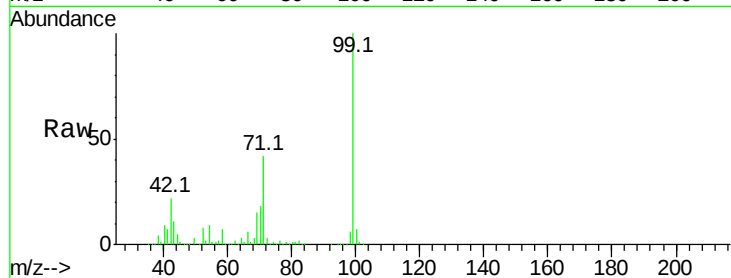
99 100

42 21.7 19.2 28.8

71 41.8 35.0 52.4

Manual Integrations
APPROVED

Mmdadoda
11/4/2015 5:26:15 PM



#10

Phenol

Concen: 3.66 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

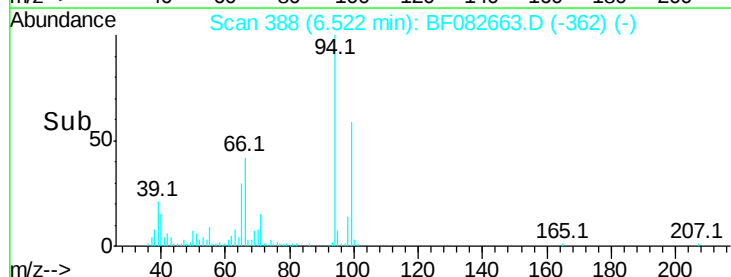
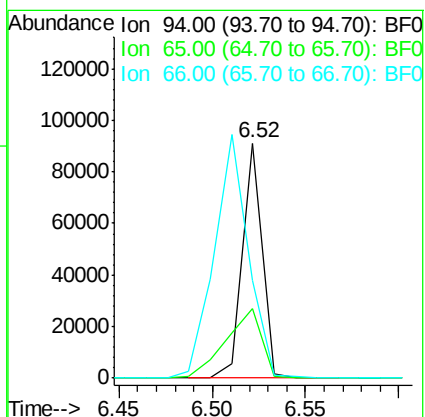
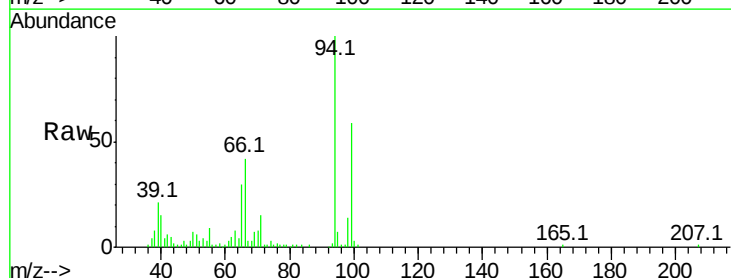
Tgt Ion: 94 Resp: 67478

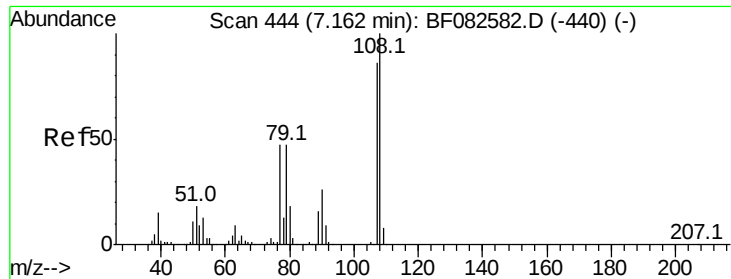
Ion Ratio Lower Upper

94 100

65 29.5 18.9 58.9

66 41.6 34.9 74.9





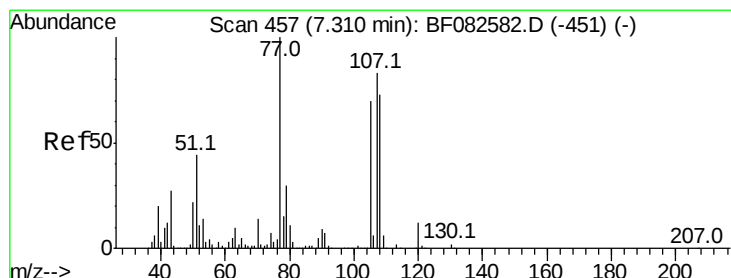
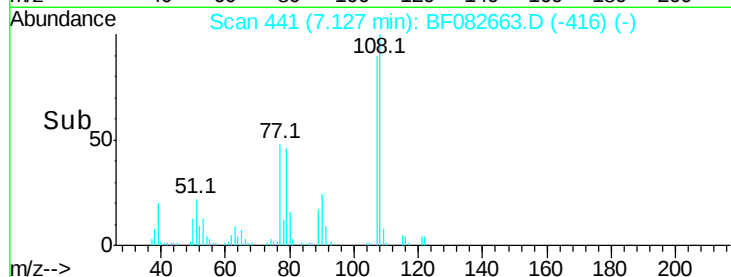
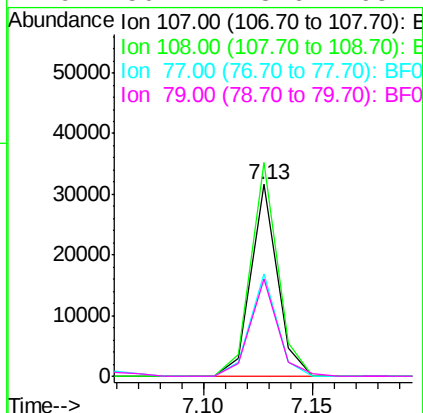
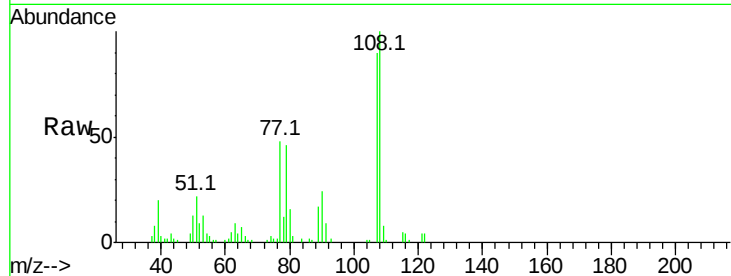
#17
2-Methylphenol
Concen: 2.39 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF082663.D
Acq: 3 Nov 2015 16:24

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-002

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.3	93.0	139.4	
77	53.5	44.1	66.1	
79	50.7	43.6	65.4	

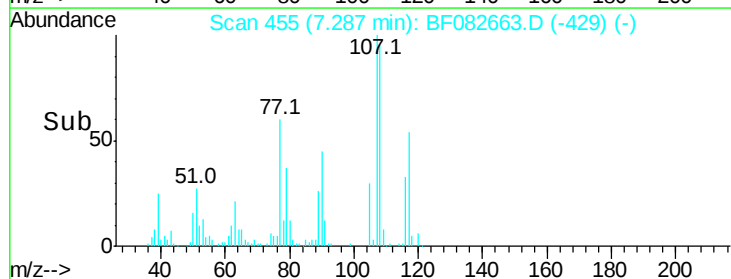
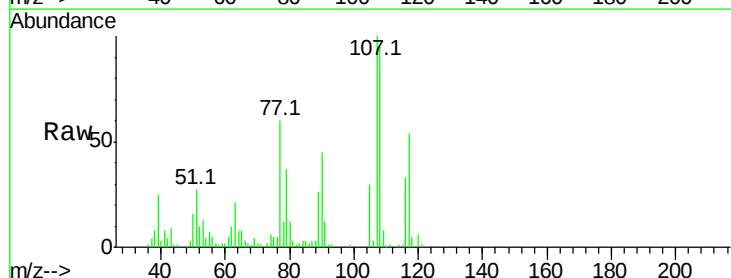
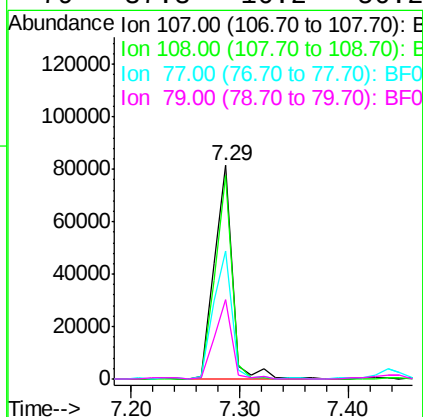
Manual Integrations
APPROVED

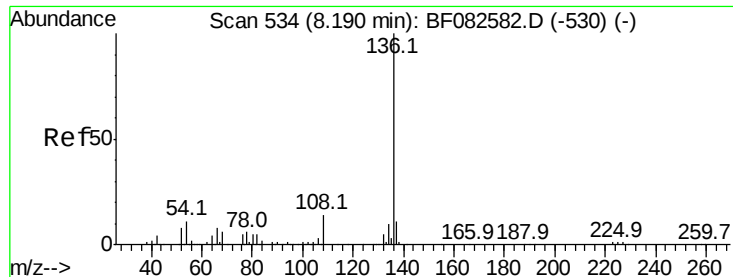
Mmdadoda
11/4/2015 5:26:15 PM



#20
3+4-Methylphenols
Concen: 6.48 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF082663.D
Acq: 3 Nov 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	95.4	67.3	107.3	
77	60.1	100.3	140.3#	
79	37.3	16.2	56.2	





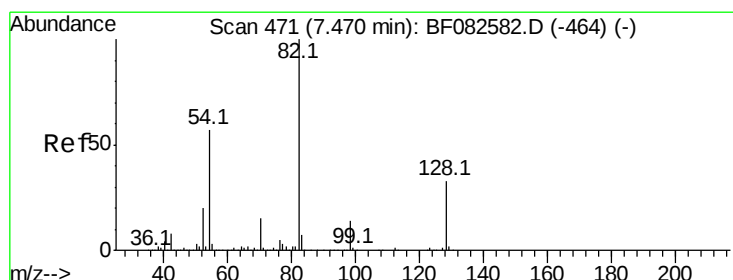
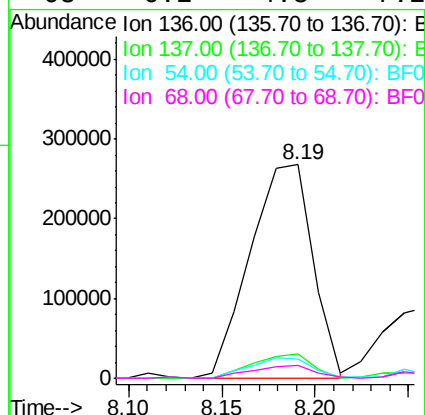
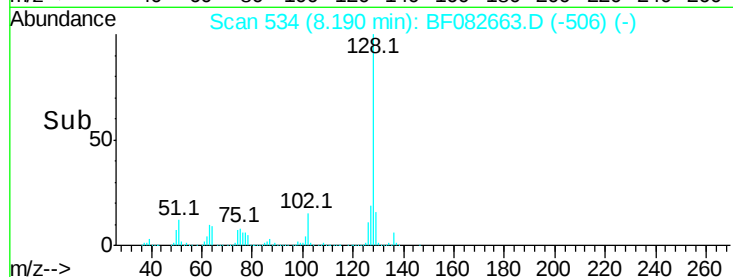
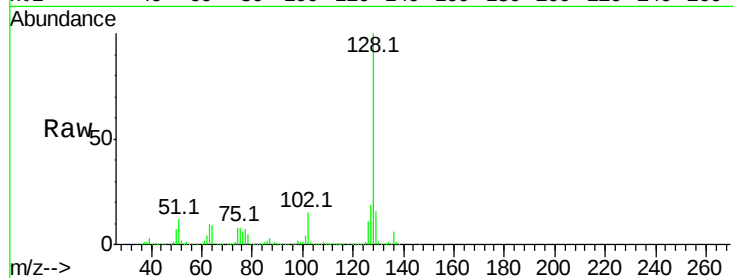
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.02 min
Lab File: BF082663.D
Acq: 3 Nov 2015 16:24

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-002

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.1	13.7	
54	8.8	9.1	13.7	
68	6.2	4.8	7.2	

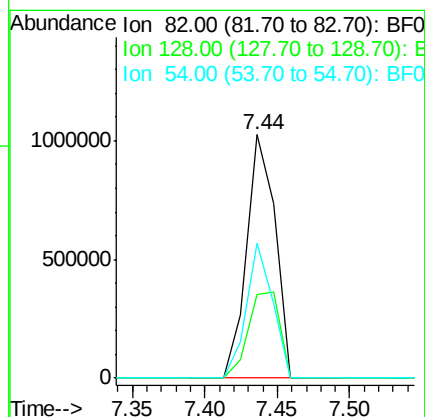
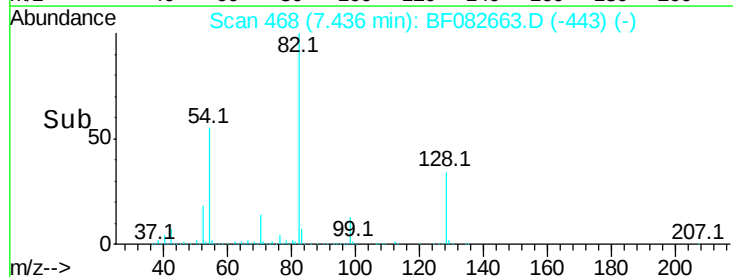
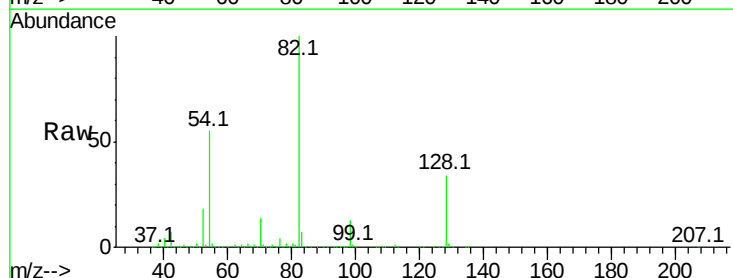
Manual Integrations
APPROVED

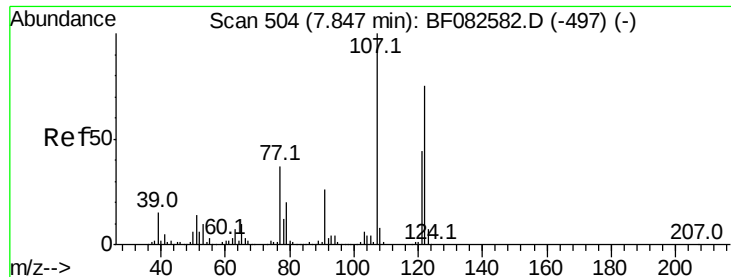
Mmdadoda
11/4/2015 5:26:15 PM



#23
Nitrobenzene-d5
Concen: 91.33 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF082663.D
Acq: 3 Nov 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.5	26.8	40.2	
54	55.4	45.7	68.5	





#27

2,4-Dimethylphenol

Concen: 21.14 ng

RT: 7.82 min Scan# 502

Delta R.T. 0.00 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

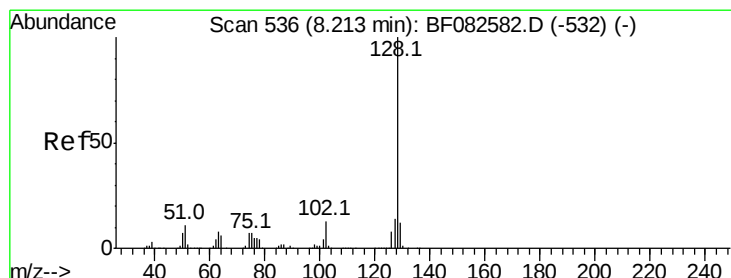
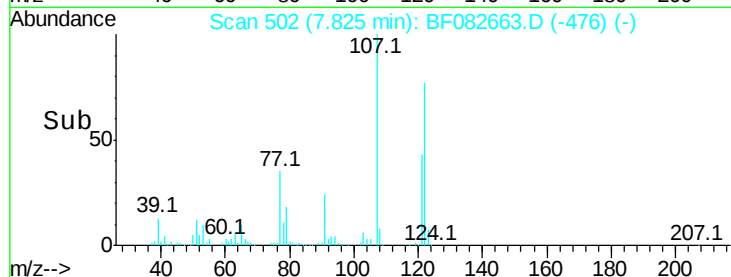
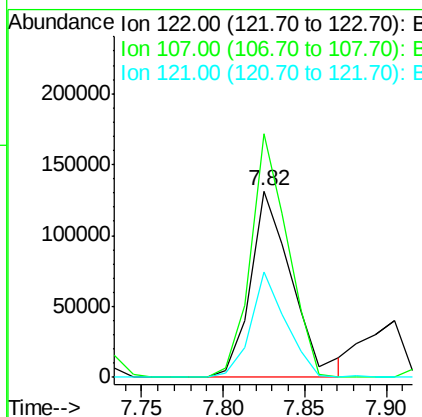
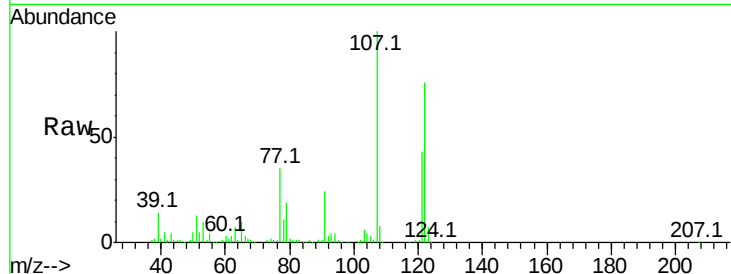
ClientSampleId :

WC-SOIL-002

Tot Ion	Ratio	Lower	Upper
122	100		
107	130.8	106.0	159.0
121	56.6	46.7	70.1

Manual Integrations
APPROVED

Mmdadoda
11/4/2015 5:26:15 PM



#31

Naphthalene

Concen: 472.24 ng

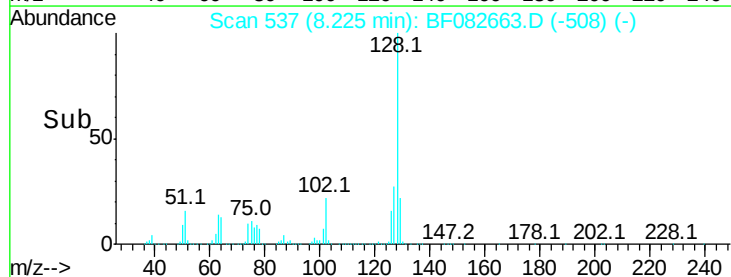
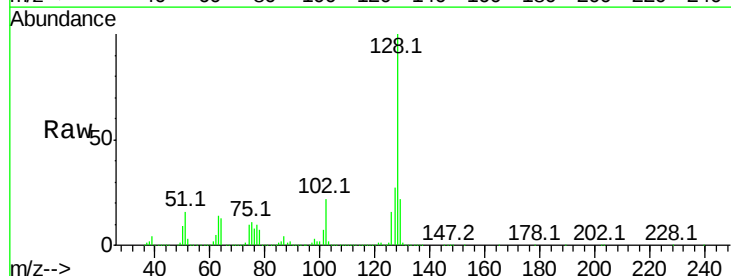
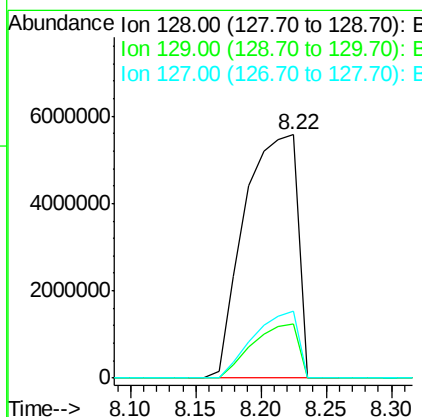
RT: 8.22 min Scan# 537

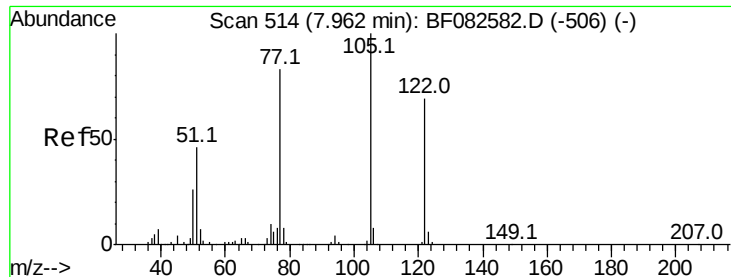
Delta R.T. 0.03 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	22.1	9.5	14.3#
127	27.3	11.4	17.0#





#32

Benzoic acid

Concen: 9.73 ng m

RT: 7.90 min Scan# 509

Delta R.T. -0.03 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

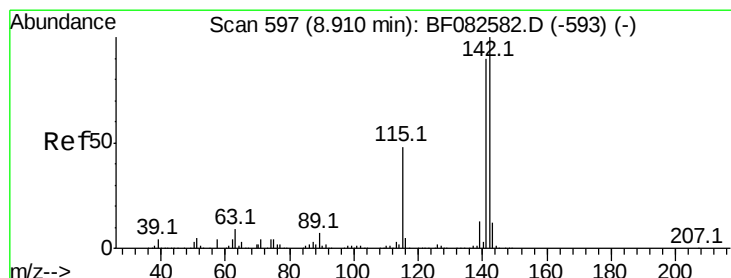
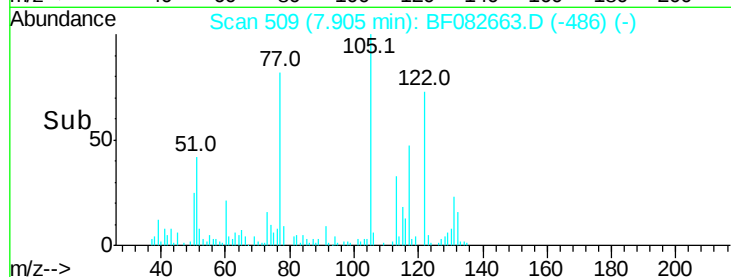
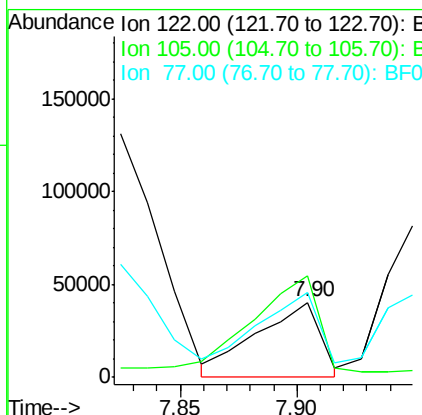
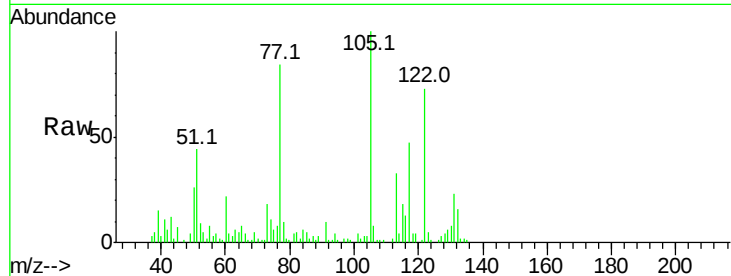
ClientSampleId :

WC-SOIL-002

Manual Integrations
APPROVED

Mmdadoda
11/4/2015 5:26:15 PM

Tot Ion:	122	Resp:	77538
Ion Ratio	Lower	Upper	
122	100		
105	136.3	122.6	162.6
77	114.2	100.9	140.9



#37

2-Methylnaphthalene

Concen: 35.89 ng

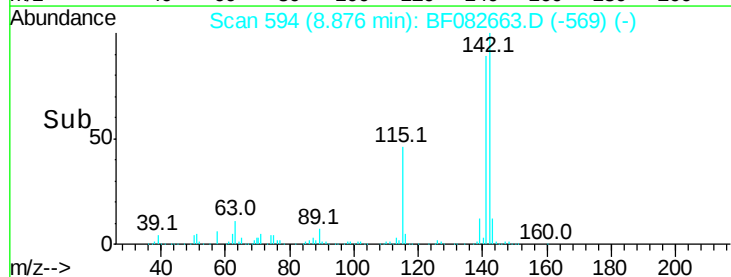
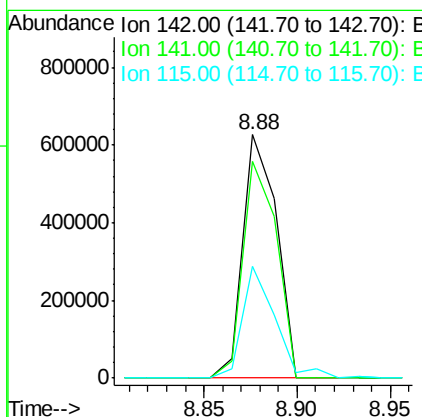
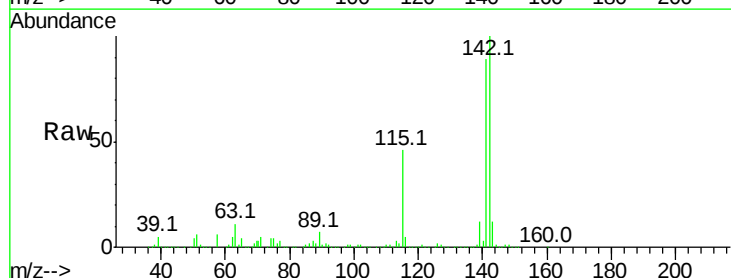
RT: 8.88 min Scan# 594

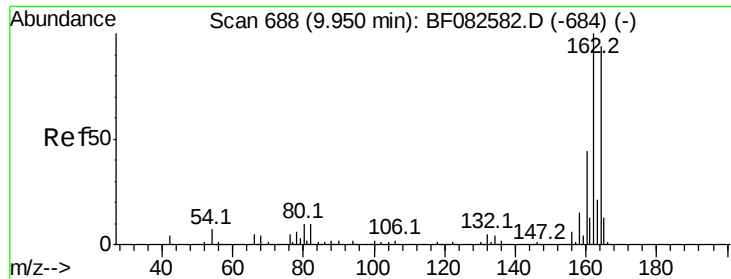
Delta R.T. -0.01 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Tgt Ion:	142	Resp:	783283
Ion Ratio	Lower	Upper	
142	100		
141	88.9	72.3	108.5
115	45.9	38.1	57.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

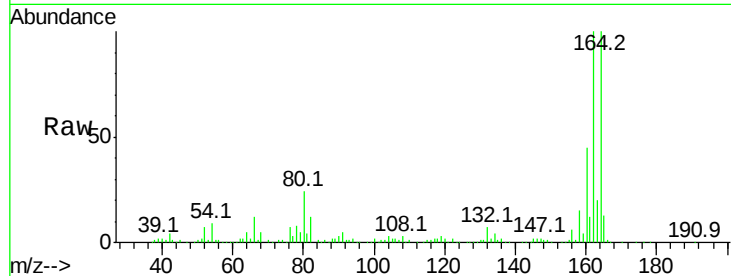
ClientSampleId :

WC-SOIL-002

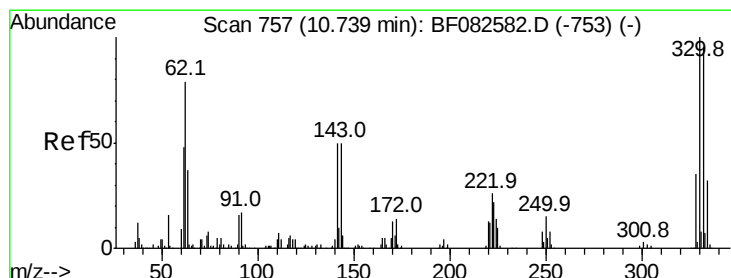
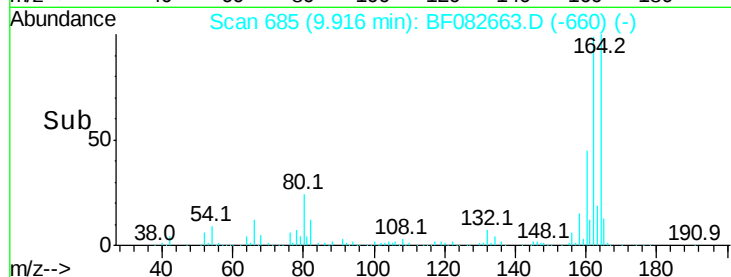
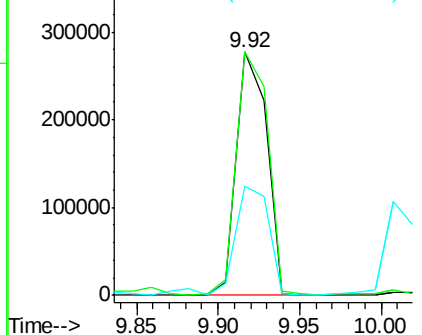
Tot Ion:	164	Resp:	355161
Ion Ratio	Lower	Upper	
164	100		
162	100.0	84.9	127.3
160	44.9	37.5	56.3

Manual Integrations
APPROVED

Mmdadoda
11/4/2015 5:26:15 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: 159.03 ng

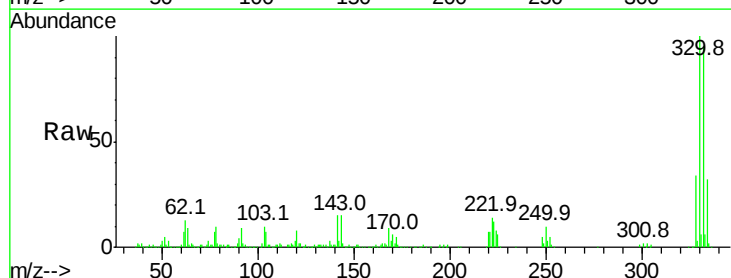
RT: 10.72 min Scan# 755

Delta R.T. 0.00 min

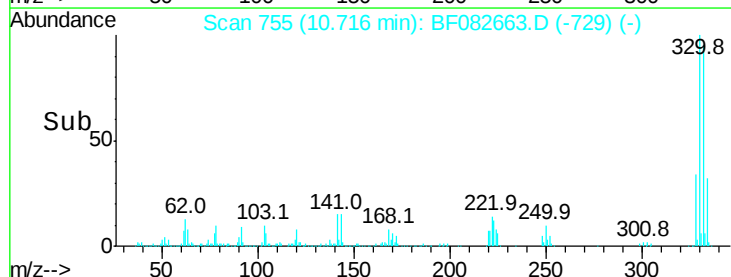
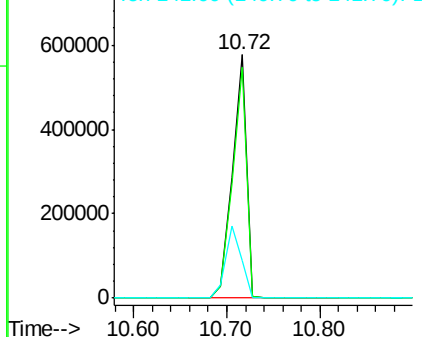
Lab File: BF082663.D

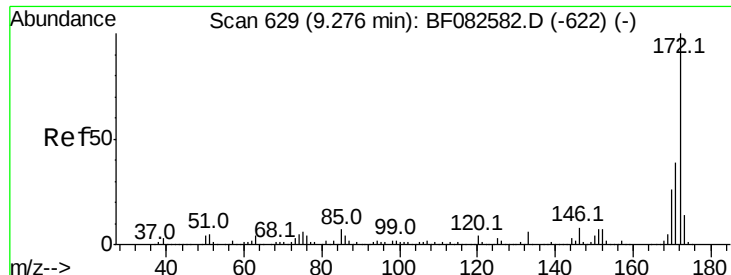
Acq: 3 Nov 2015 16:24

Tgt Ion:	330	Resp:	618115
Ion Ratio	Lower	Upper	
330	100		
332	94.9	76.6	114.8
141	33.1	41.2	61.8#



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





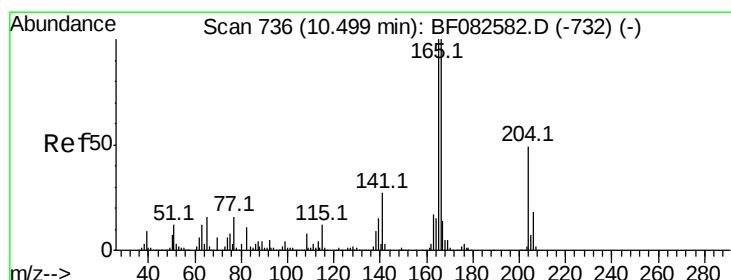
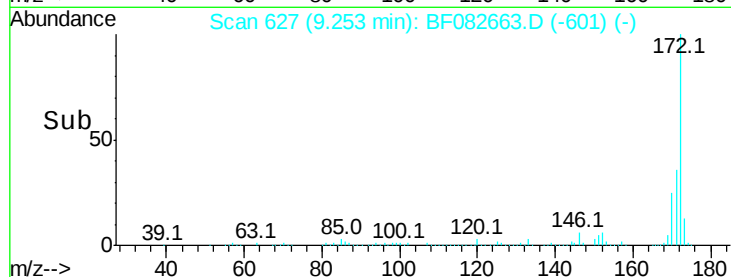
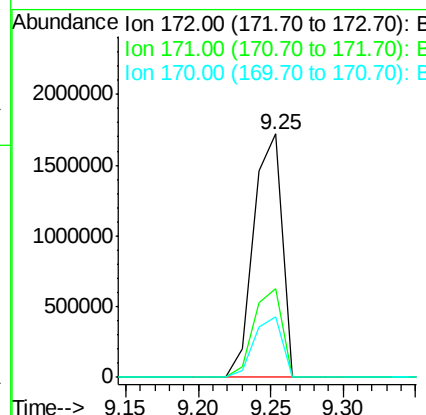
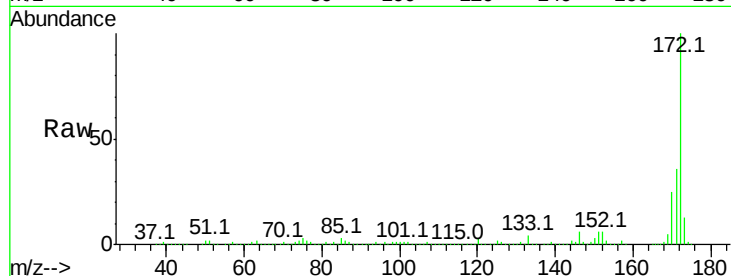
#44
 2-Fluorobiphenyl
 Concen: 93.10 ng
 RT: 9.25 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF082663.D
 Acq: 3 Nov 2015 16:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-002

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.8	46.2
170	24.7	21.2	31.8

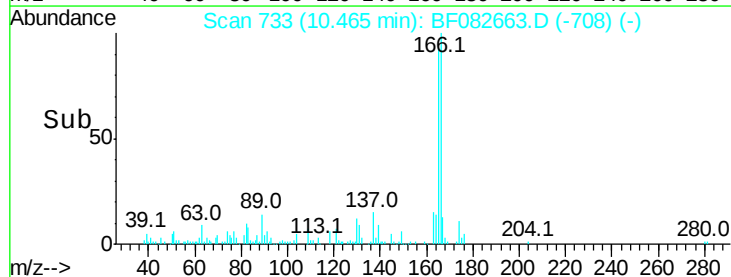
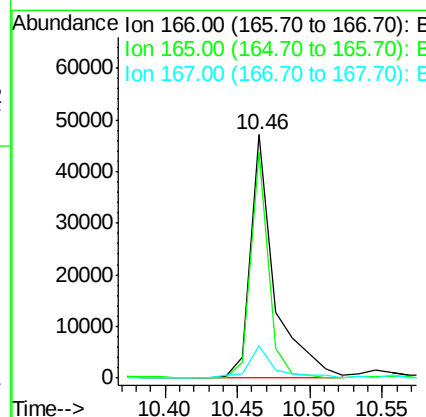
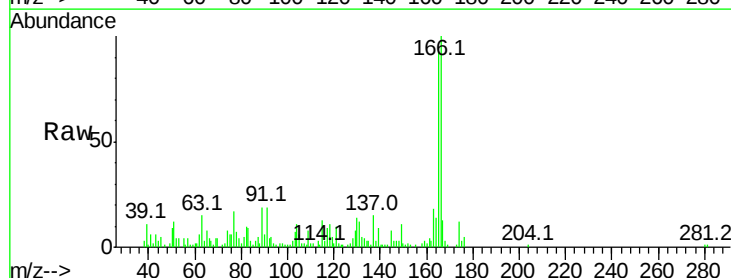
Manual Integrations
 APPROVED

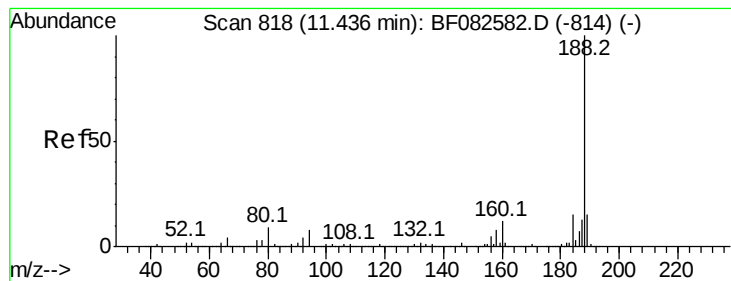
Mmdadoda
 11/4/2015 5:26:15 PM



#57
 Fluorene
 Concen: 2.09 ng
 RT: 10.46 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: BF082663.D
 Acq: 3 Nov 2015 16:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.8	80.2	120.4
167	13.4	11.2	16.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-002

Tot Ion:188 Resp: 668542
Ion Ratio Lower Upper

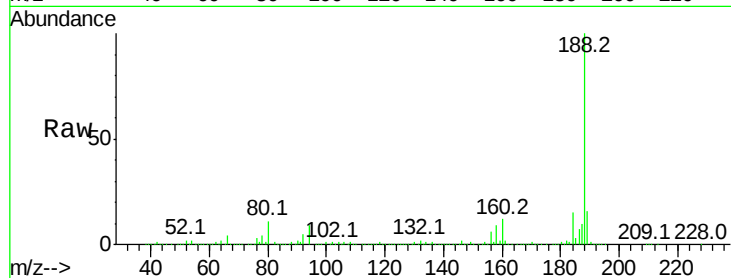
188 100

94 9.4 6.1 9.1#

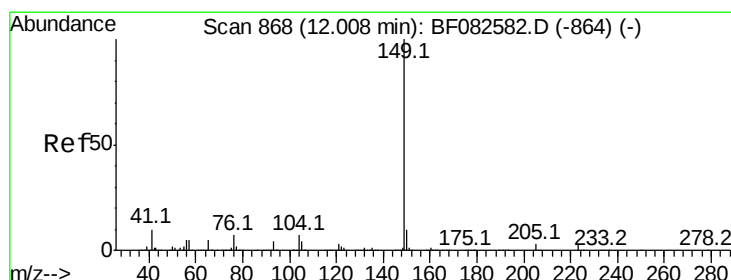
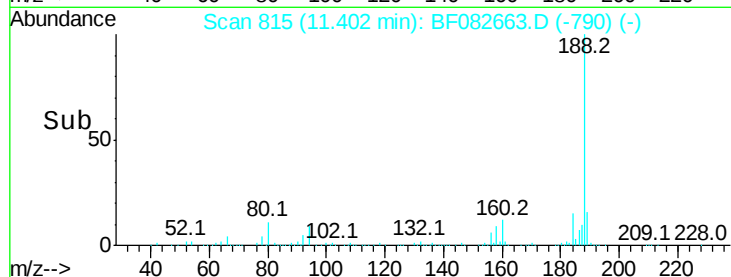
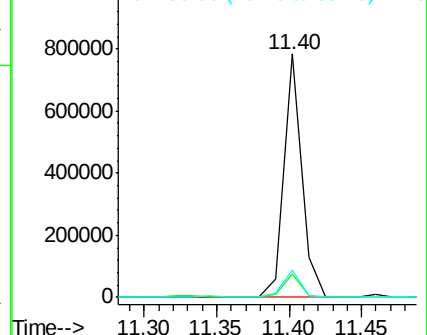
80 11.1 7.0 10.6#

Manual Integrations
APPROVED

Mmdadoda
11/4/2015 5:26:15 PM



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



#73

Di-n-butylphthalate

Concen: 9.27 ng

RT: 11.97 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF082663.D

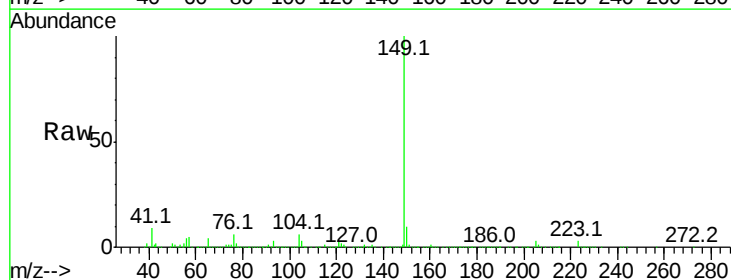
Acq: 3 Nov 2015 16:24

Tgt Ion:149 Resp: 390169
Ion Ratio Lower Upper

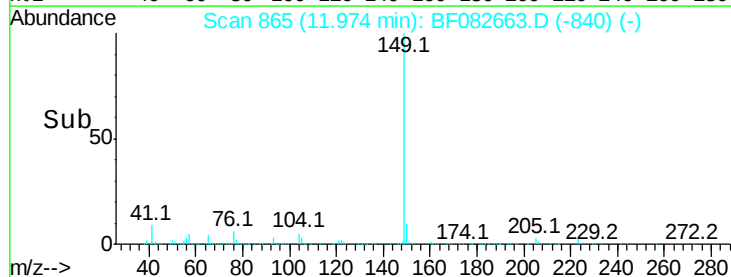
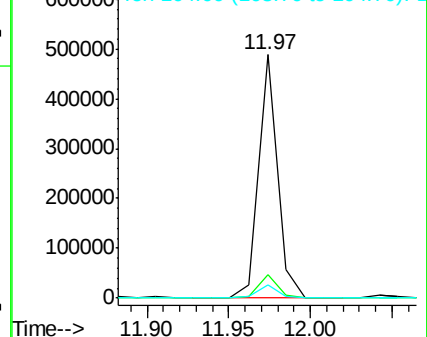
149 100

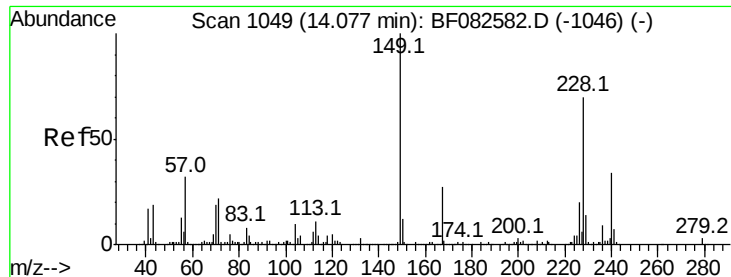
150 9.6 8.1 12.1

104 5.7 5.2 7.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

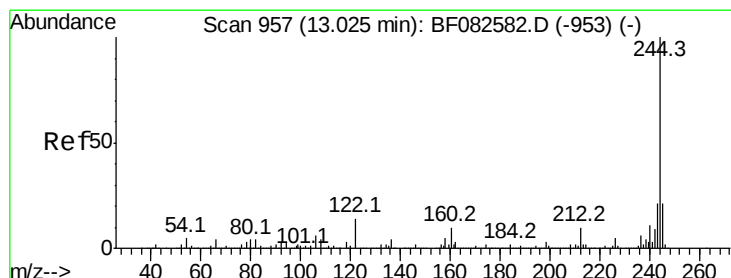
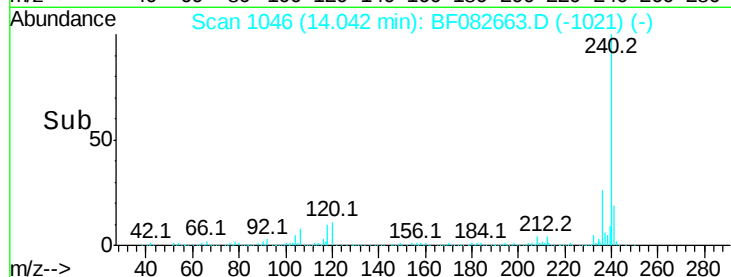
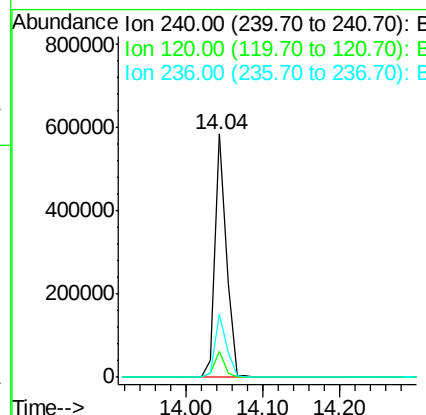
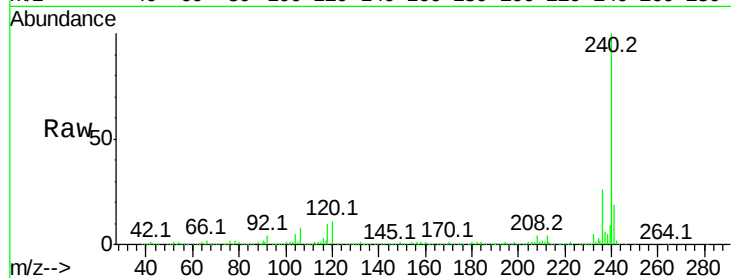
ClientSampleId :

WC-SOIL-002

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.9	16.3#
236	26.2	21.6	32.4

Manual Integrations
APPROVED

Mmdadoda
11/4/2015 5:26:15 PM



#78

Terphenyl-d14

Concen: 91.18 ng

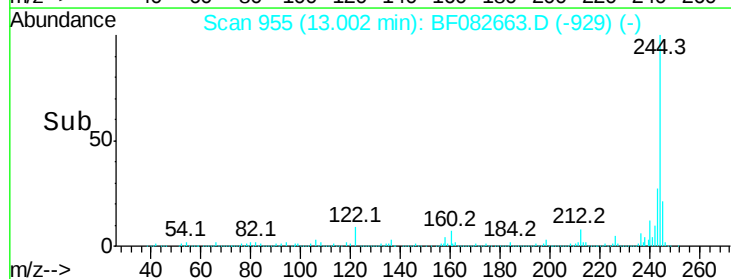
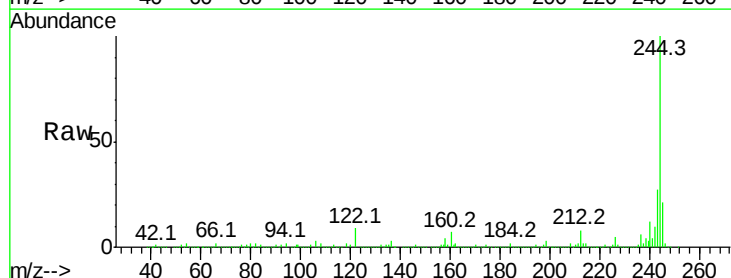
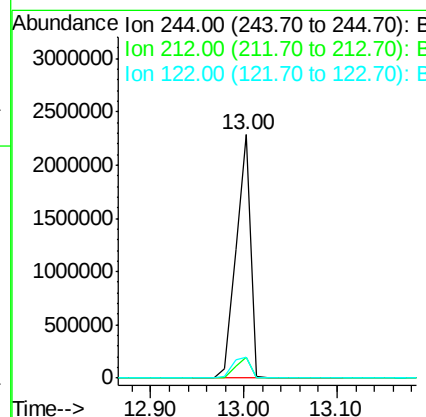
RT: 13.00 min Scan# 955

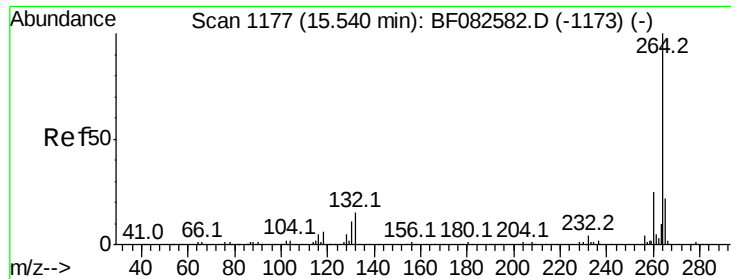
Delta R.T. 0.00 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.6	11.4
122	8.5	11.3	16.9#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF082663.D
 Acq: 3 Nov 2015 16:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-002

Tot Ion:	264	Resp:	424638
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.8	29.6
265	21.7	17.4	26.0

Manual Integrations
 APPROVED

Mmdadoda
 11/4/2015 5:26:15 PM

