

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061915\
 Data File : BF080072.D
 Acq On : 20 Jun 2015 00:43
 Operator : TP/IZ
 Sample : G2653-03
 Misc : LOD-SVOC-SOIL-1PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Manual Integrations
 APPROVED

apatel
 6/22/2015 2:41:16 PM

Quant Time: Jun 22 13:23:37 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 17 16:41:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	45674	20.00	ng	-0.01
21) Naphthalene-d8	8.62	136	186487	20.00	ng	-0.01
38) Acenaphthene-d10	10.39	164	99708	20.00	ng	-0.01
63) Phenanthrene-d10	11.90	188	207010	20.00	ng	-0.01
75) Chrysene-d12	14.73	240	237007	20.00	ng	-0.13
86) Perylene-d12	16.54	264	217842	20.00	ng	-0.21

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.94	112	300785	116.57	ng	0.00
7) Phenol-d6	6.93	99	364350	106.12	ng	-0.01
23) Nitrobenzene-d5	7.89	82	225212	70.31	ng	-0.01
41) 2,4,6-Tribromophenol	11.19	330	104522	107.20	ng	-0.01
44) 2-Fluorobiphenyl	9.69	172	456881	65.35	ng	-0.01
78) Terphenyl-d14	13.53	244	666326	65.66	ng	-0.06

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 2-Chlorophenol	7.11	128	2107	0.71	ng	# 74
9) Benzaldehyde	6.88	77	1464	0.74	ng	84
10) Phenol	6.94	94	2442	0.65	ng	# 1
11) bis(2-Chloroethyl)ether	7.04	93	2117	0.71	ng	89
12) 1,3-Dichlorobenzene	7.27	146	2310	0.64	ng	# 89
13) 1,4-Dichlorobenzene	7.35	146	2192	0.64	ng	# 87
14) 1,2-Dichlorobenzene	7.51	146	2207	0.67	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.59	45	2972	0.67	ng	84
17) 2-Methylphenol	7.56	107	1570	0.62	ng	# 74
18) Hexachloroethane	7.85	117	675	0.60	ng	# 85
19) n-Nitroso-di-n-propylamine	7.72	70	1204	0.51	ng	# 77
20) 3+4-Methylphenols	7.72	107	1846	0.56	ng	# 92
22) Acetophenone	7.73	105	2599	0.60	ng	# 81
24) Nitrobenzene	7.90	77	2763	0.84	ng	# 52
26) 2-Nitrophenol	8.23	139	754	0.54	ng	# 77
27) 2,4-Dimethylphenol	8.25	122	1290	0.45	ng	87
28) bis(2-Chloroethoxy)methane	8.34	93	2276	0.60	ng	# 84
29) 2,4-Dichlorophenol	8.47	162	1217	0.49	ng	89
30) 1,2,4-Trichlorobenzene	8.56	180	1739	0.62	ng	98
31) Naphthalene	8.64	128	6768	0.69	ng	98
34) Hexachlorobutadiene	8.77	225	1121	0.65	ng	97
36) 4-Chloro-3-methylphenol	9.14	107	1304	0.47	ng	# 58
37) 2-Methylnaphthalene	9.34	142	4605	0.73	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	9.51	216	2038	0.70	ng	# 89
42) 2,4,6-Trichlorophenol	9.61	196	769	0.39	ng	93
45) 1,1'-Biphenyl	9.80	154	5229	0.64	ng	95
46) 2-Chloronaphthalene	9.83	162	4300	0.65	ng	# 91
47) 2-Nitroaniline	9.91	65	827	0.46	ng	# 53
48) Acenaphthylene	10.25	152	6726	0.61	ng	96
49) Dimethylphthalate	10.08	163	4766	0.64	ng	# 93
50) 2,6-Dinitrotoluene	10.15	165	550	0.37	ng	# 80
51) Acenaphthene	10.42	154	4575	0.68	ng	# 89
52) 3-Nitroaniline	10.32	138	715	0.41	ng	# 58
54) Dibenzofuran	10.60	168	6891	0.72	ng	93

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061915\
 Data File : BF080072.D
 Acq On : 20 Jun 2015 00:43
 Operator : TP/IZ
 Sample : G2653-03
 Misc : LOD-SVOC-SOIL-1PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

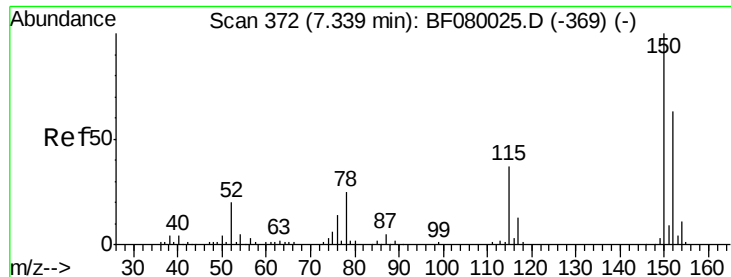
Manual Integrations
 APPROVED

apatel
 6/22/2015 2:41:16 PM

Quant Time: Jun 22 13:23:37 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 17 16:41:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 2,4-Dinitrotoluene	10.39	165	12678	6.65	ng	# 31
57) Fluorene	10.94	166	4822	0.64	ng	96
58) 2,3,4,6-Tetrachlorophenol	10.71	232	856	0.45	ng	# 69
59) Diethylphthalate	10.79	149	4669	0.62	ng	# 94
60) 4-Chlorophenyl-phenylether	10.93	204	2290	0.63	ng	# 90
61) 4-Nitroaniline	10.94	138	391	0.22	ng	# 21
62) Azobenzene	11.09	77	4413	0.57	ng	89
65) n-Nitrosodiphenylamine	11.04	169	3932	0.58	ng	# 86
66) 4-Bromophenyl-phenylether	11.43	248	1433	0.65	ng	# 73
67) Hexachlorobenzene	11.50	284	1646	0.67	ng	# 76
68) Atrazine	11.56	200	1062	0.50	ng	79
70) Phenanthrene	11.92	178	8284	0.66	ng	98
71) Anthracene	11.97	178	7916	0.66	ng	98
72) Carbazole	12.12	167	6392	0.55	ng	# 94
73) Di-n-butylphthalate	12.44	149	6367	0.48	ng	# 96
74) Fluoranthene	13.14	202	7668	0.57	ng	90
77) Pyrene	13.38	202	8325	0.57	ng	98
79) Butylbenzylphthalate	14.04	149	1957	0.33	ng	# 77
80) Benzo(a)anthracene	14.72	228	8316	0.58	ng	95
81) 3,3'-Dichlorobenzidine	14.67	252	800	0.16	ng	# 85
82) Chrysene	14.76	228	7540m	0.57	ng	
83) Bis(2-ethylhexyl)phthalate	14.69	149	2865	0.31	ng	# 89
84) Di-n-octyl phthalate	15.43	149	4005	0.25	ng	# 98
85) Indeno(1,2,3-cd)pyrene	18.37	276	8041	0.48	ng	# 84
87) Benzo(b)fluoranthene	16.00	252	7249	0.55	ng	# 85
88) Benzo(k)fluoranthene	16.04	252	7639m	0.57	ng	
89) Benzo(a)pyrene	16.46	252	6875	0.55	ng	# 81
90) Dibenzo(a,h)anthracene	18.39	278	6759	0.53	ng	# 82
91) Benzo(g,h,i)perylene	18.92	276	6671	0.52	ng	# 74

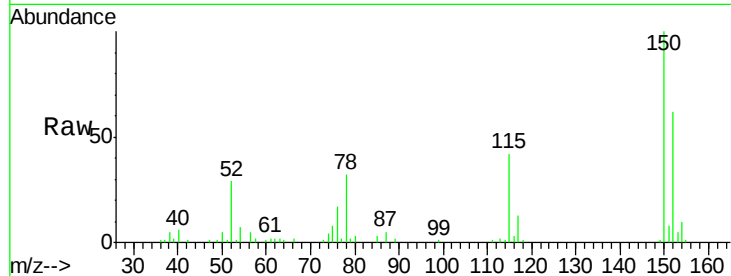
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 371
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

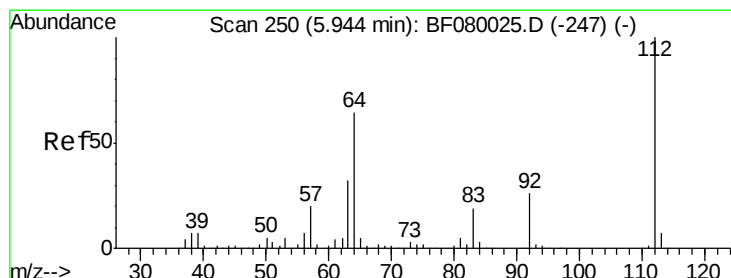
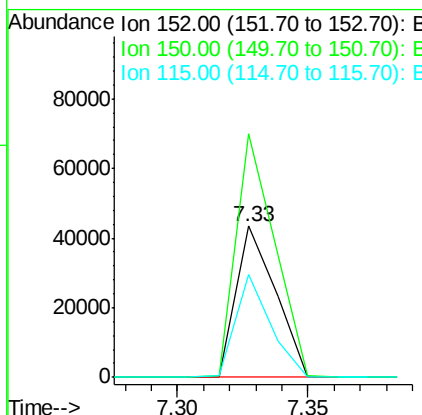
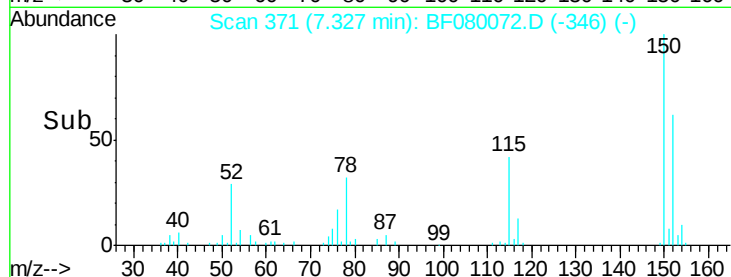
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01



Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.7	187.1
115	68.0	39.0	58.4

Manual Integrations
APPROVED

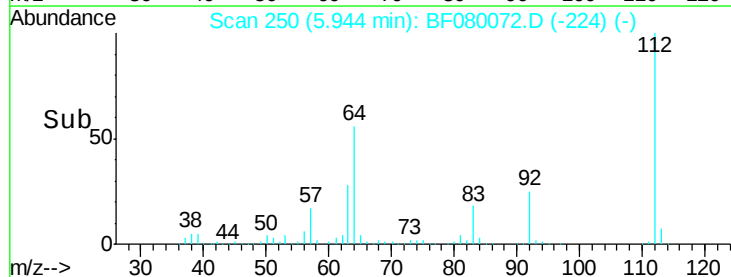
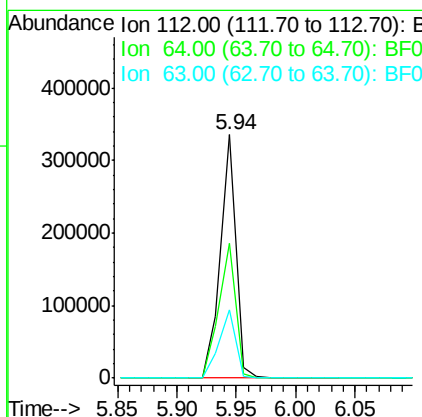
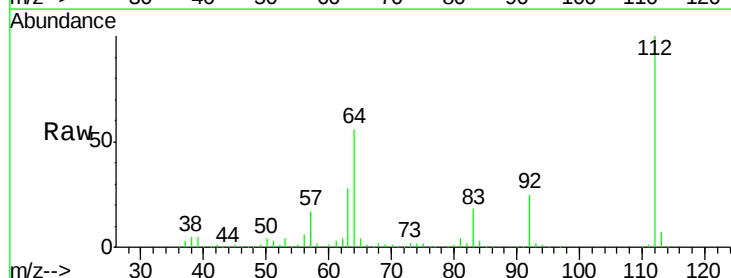
apatel
6/22/2015 2:41:16 PM

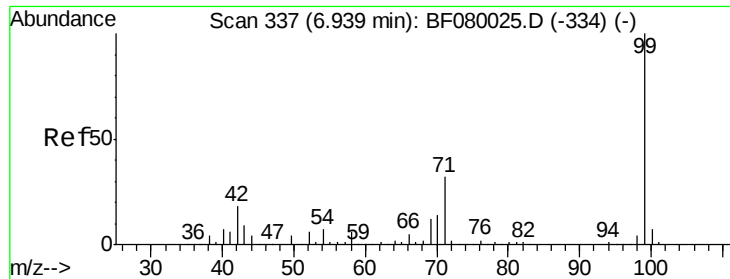


#5

2-Fluorophenol
Concen: 116.57 ng
RT: 5.94 min Scan# 250
Delta R.T. 0.00 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	39.7	59.5
63	28.1	17.4	26.0





#7

Phenol-d6

Concen: 106.12 ng

RT: 6.93 min Scan# 336

Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 99 Resp: 364350

Ion Ratio Lower Upper

99 100

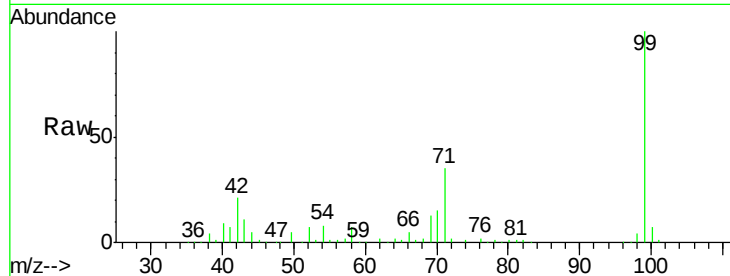
42 20.7 13.7 20.5#

71 34.7 14.2 21.2#

Manual Integrations
APPROVED

apatel

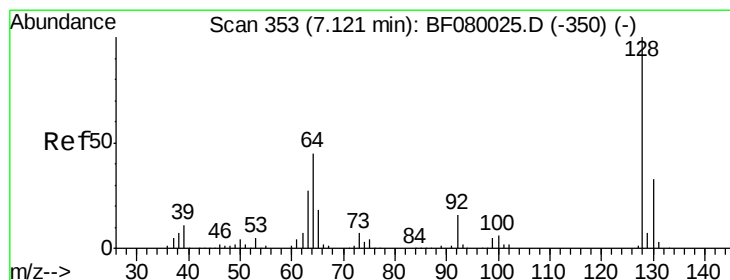
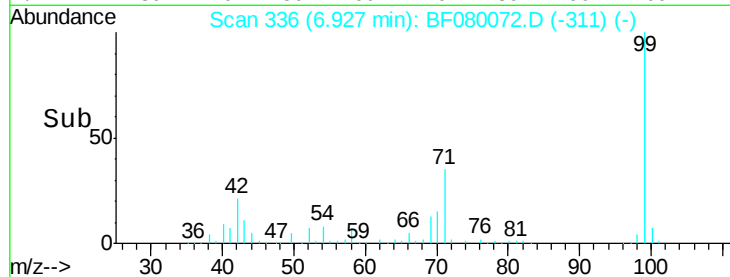
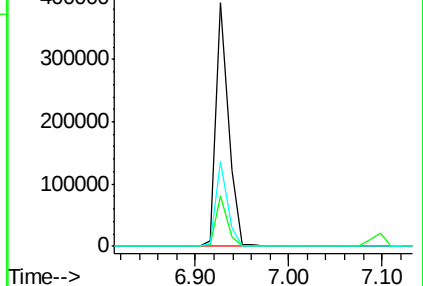
6/22/2015 2:41:16 PM



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



#8

2-Chlorophenol

Concen: 0.71 ng

RT: 7.11 min Scan# 352

Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

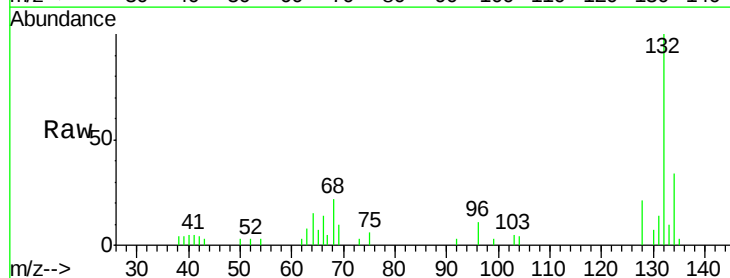
Tgt Ion: 128 Resp: 2107

Ion Ratio Lower Upper

128 100

130 32.1 12.2 52.2

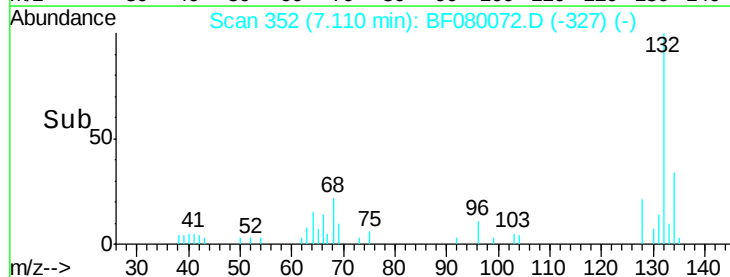
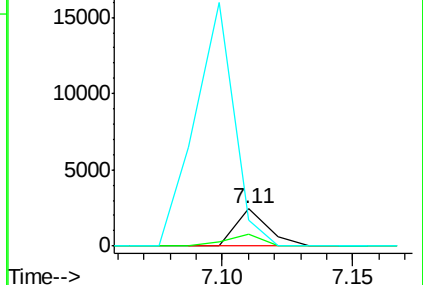
64 69.9 20.5 60.5#

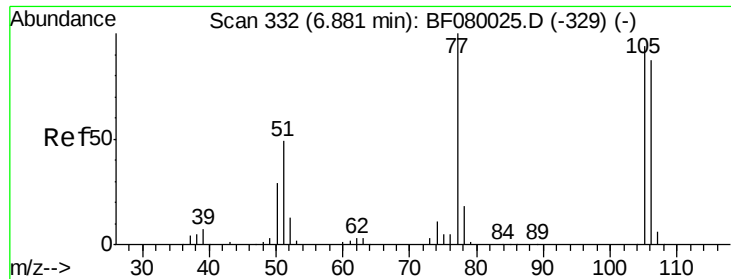


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 0.74 ng

RT: 6.88 min Scan# 332

Delta R.T. 0.00 min

Lab File: BF080072.D

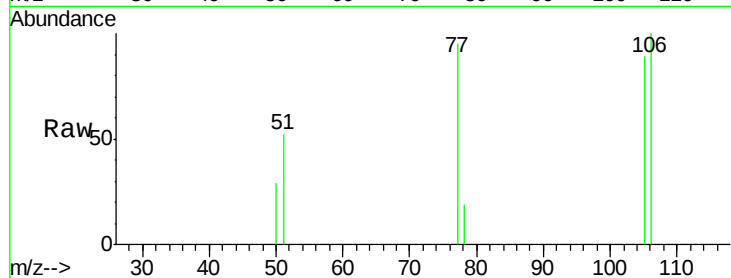
Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

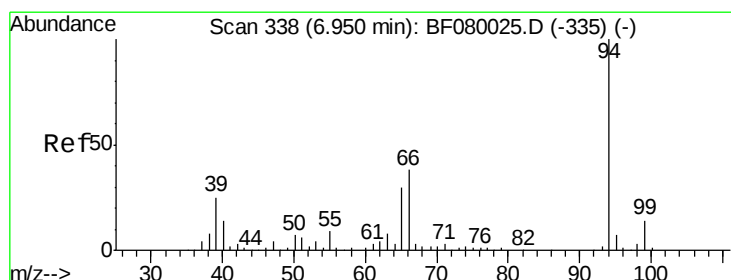
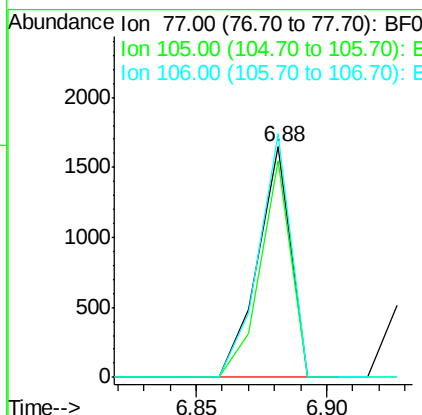
LOD-SOIL2015-01



Tgt Ion:	77	Resp:	1464
Ion	Ratio	Lower	Upper
77	100		
105	94.1	91.6	131.6
106	105.5	102.6	142.6

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#10

Phenol

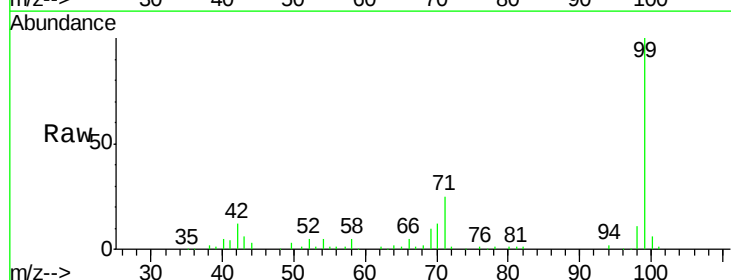
Concen: 0.65 ng

RT: 6.94 min Scan# 337

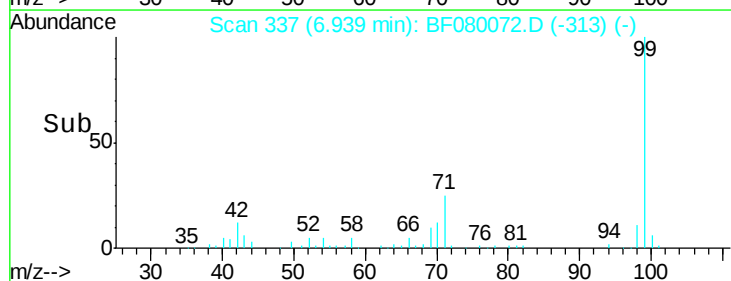
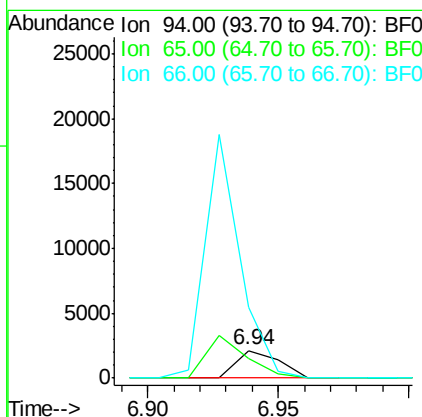
Delta R.T. -0.02 min

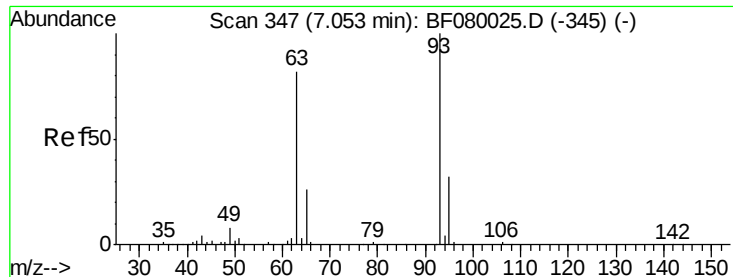
Lab File: BF080072.D

Acq: 20 Jun 2015 00:43



Tgt Ion:	94	Resp:	2442
Ion	Ratio	Lower	Upper
94	100		
65	73.1	0.7	40.7#
66	256.6	0.8	40.8#





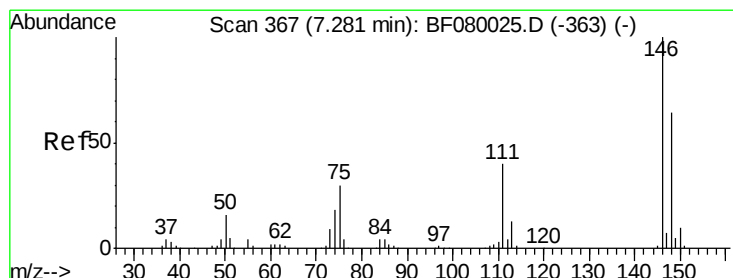
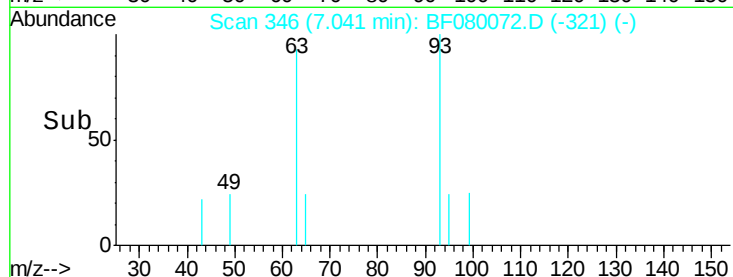
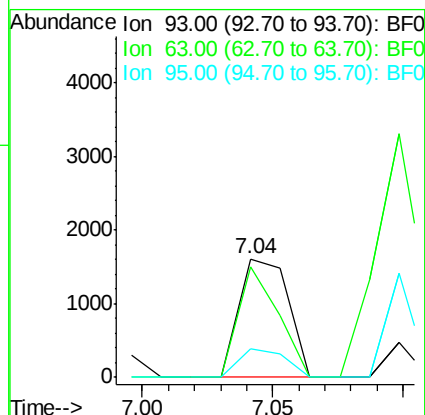
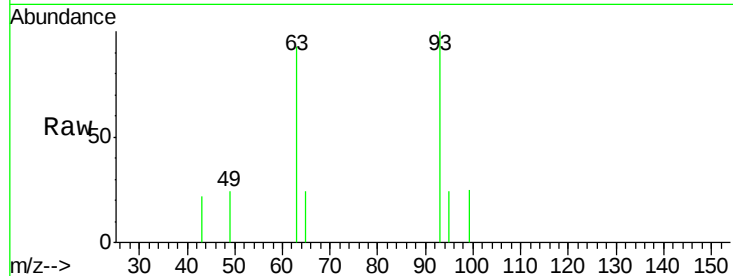
#11
 bis(2-Chloroethyl)ether
 Concen: 0.71 ng
 RT: 7.04 min Scan# 346
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
93	100		
63	93.2	65.6	105.6
95	24.0	13.6	53.6

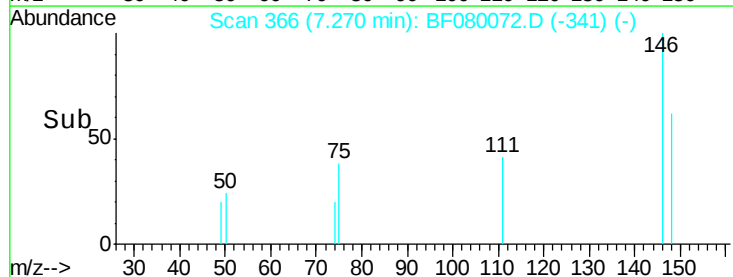
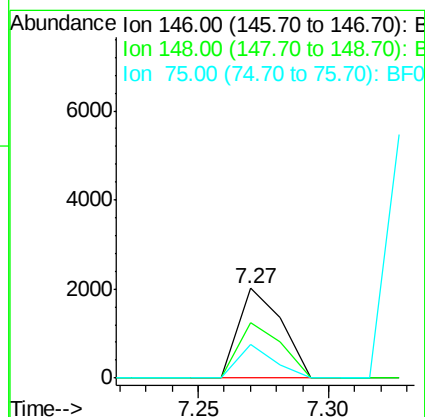
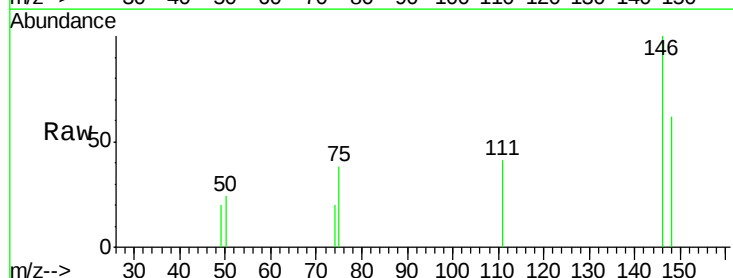
Manual Integrations
 APPROVED

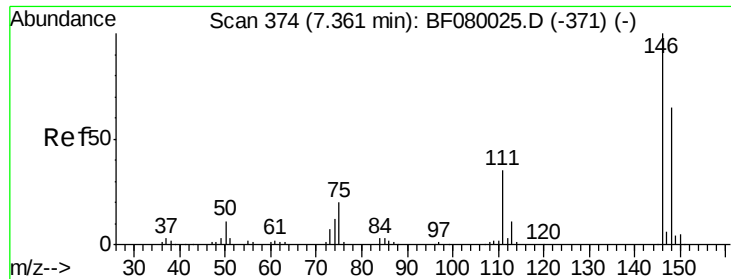
apatel
 6/22/2015 2:41:16 PM



#12
 1,3-Dichlorobenzene
 Concen: 0.64 ng
 RT: 7.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.0	76.4
75	37.9	15.0	22.6#





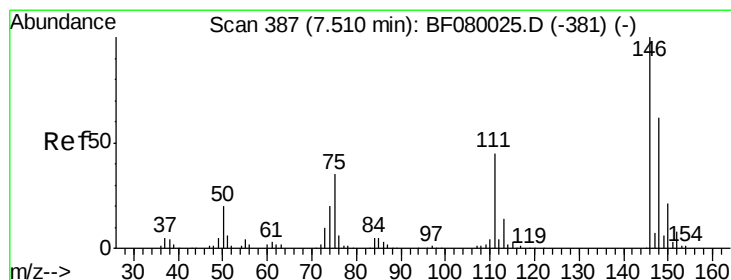
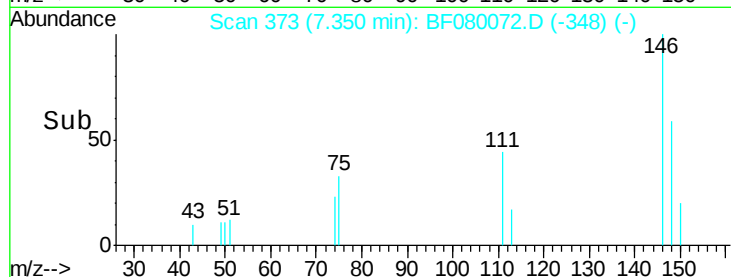
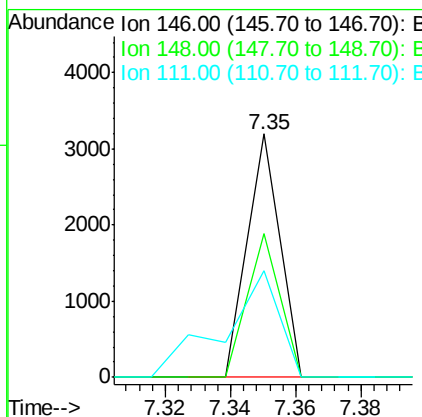
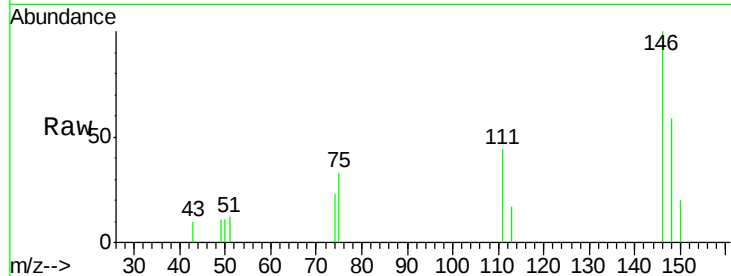
#13
 1,4-Dichlorobenzene
 Concen: 0.64 ng
 RT: 7.35 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
146	100		
148	58.8	51.8	77.6
111	43.7	24.9	37.3

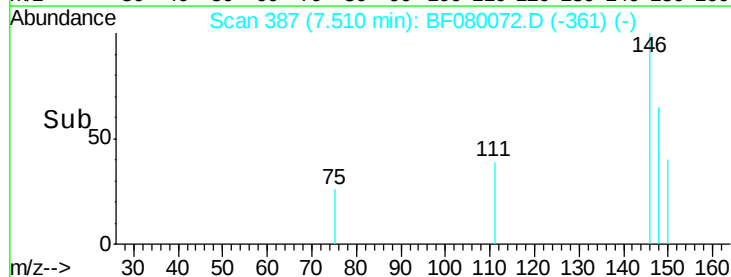
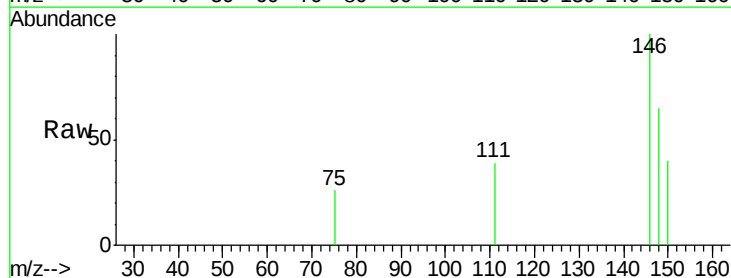
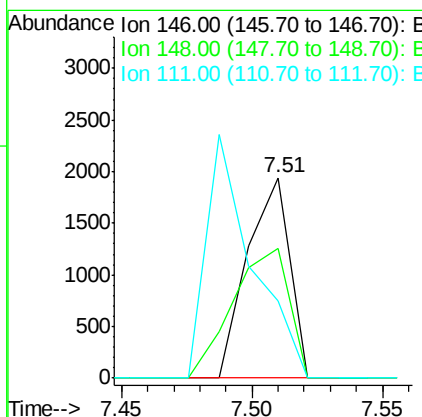
Manual Integrations
 APPROVED

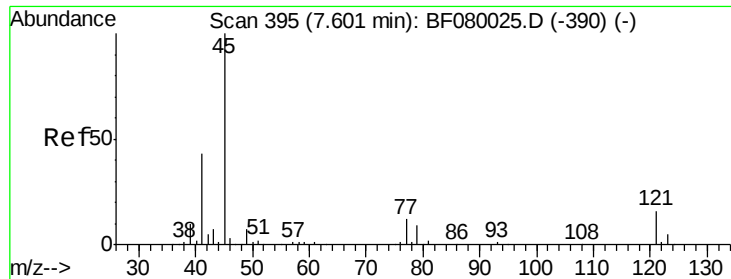
apatel
 6/22/2015 2:41:16 PM



#14
 1,2-Dichlorobenzene
 Concen: 0.67 ng
 RT: 7.51 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.7	79.1
111	38.6	28.8	43.2





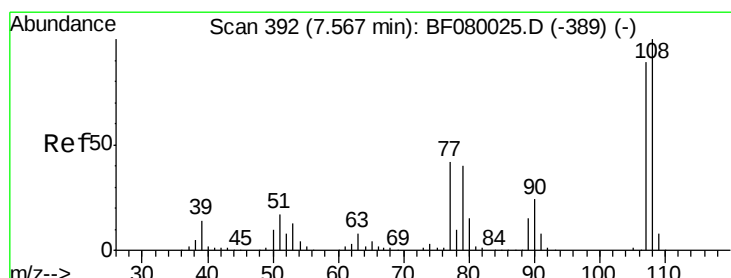
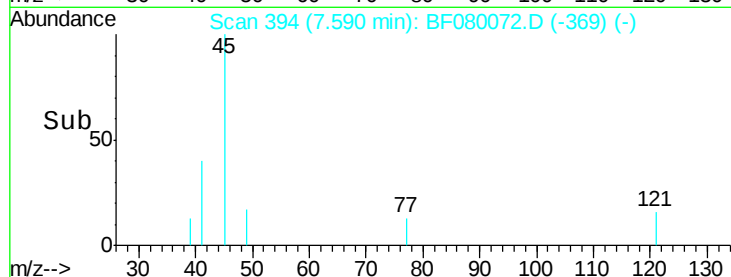
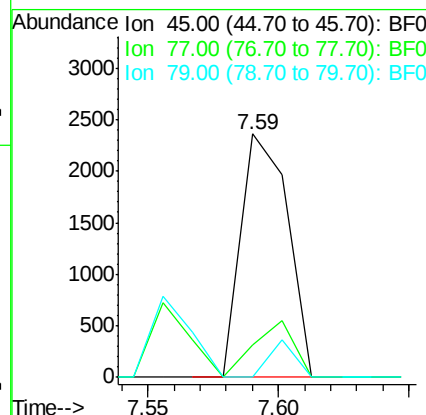
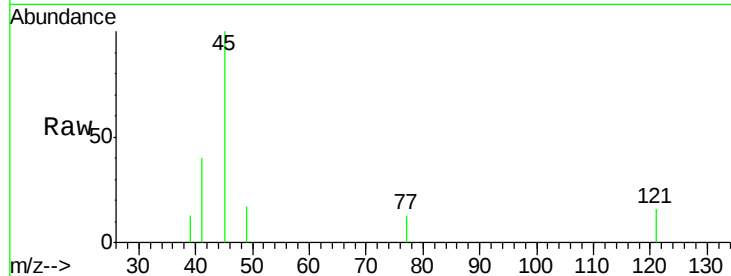
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.67 ng
RT: 7.59 min Scan# 394
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	28.1
79	0.0	0.0	26.0

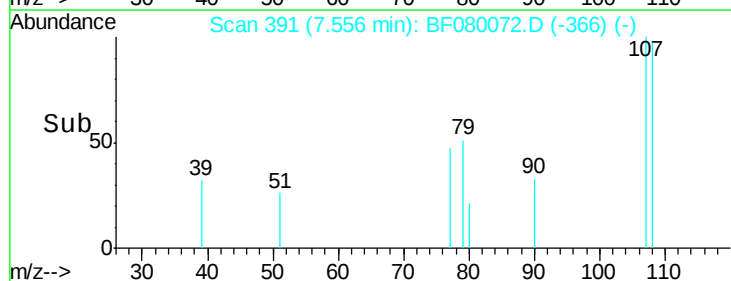
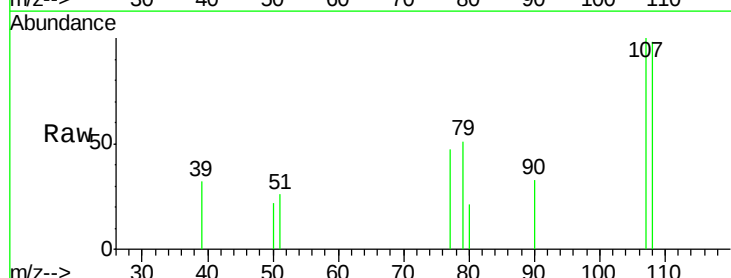
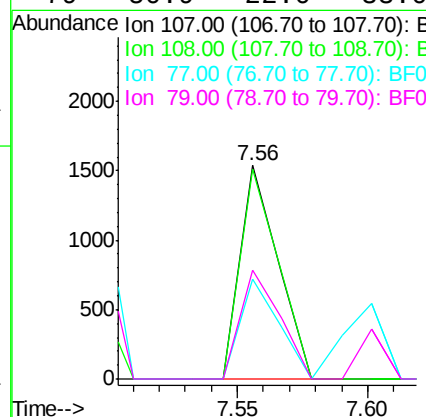
Manual Integrations
APPROVED

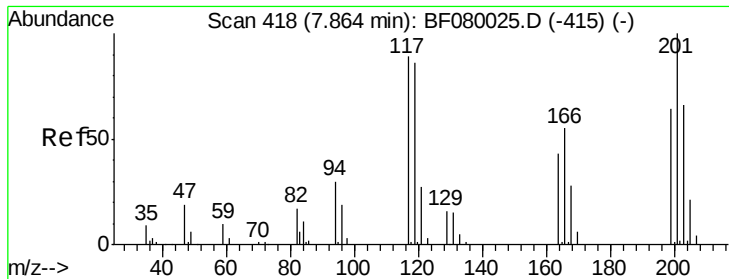
apatel
6/22/2015 2:41:16 PM



#17
2-Methylphenol
Concen: 0.62 ng
RT: 7.56 min Scan# 391
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

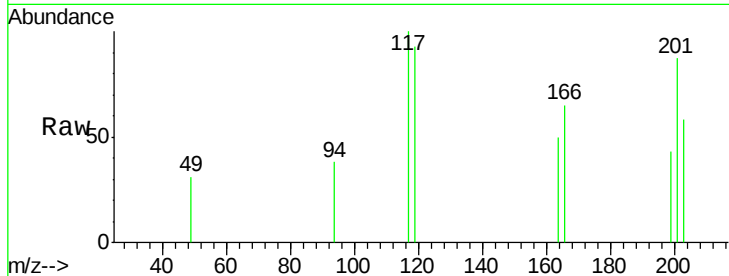
Tgt Ion	Ratio	Lower	Upper
107	100		
108	98.2	96.6	145.0
77	46.7	23.3	34.9#
79	50.9	22.0	33.0#





#18
Hexachloroethane
Concen: 0.60 ng
RT: 7.85 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

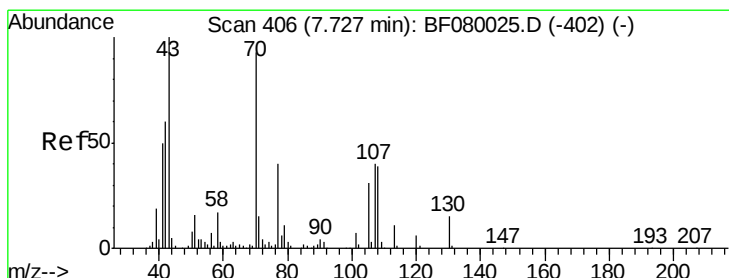
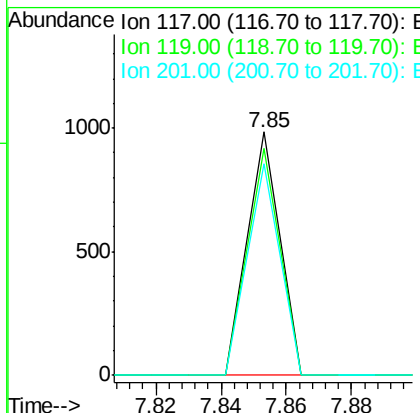
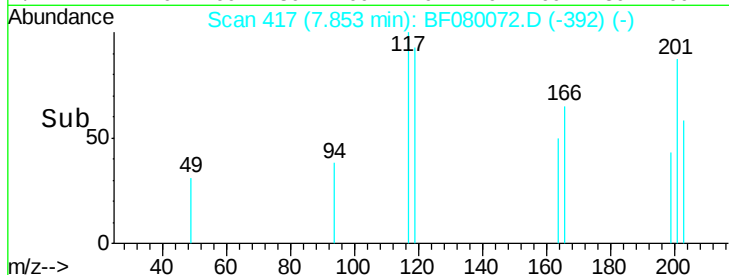
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01



Tgt Ion: 117 Resp: 675
Ion Ratio Lower Upper
117 100
119 93.4 83.8 125.6
201 86.8 55.1 82.7#

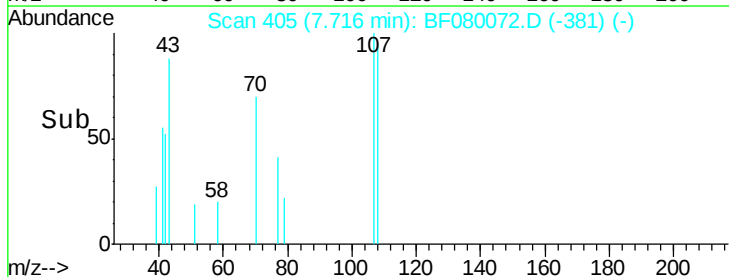
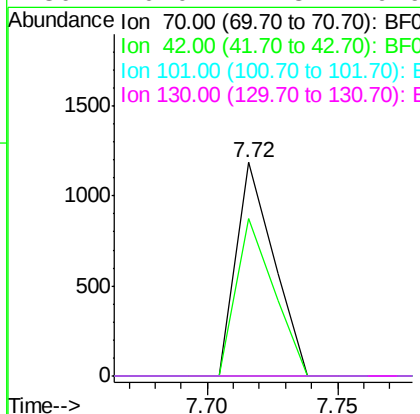
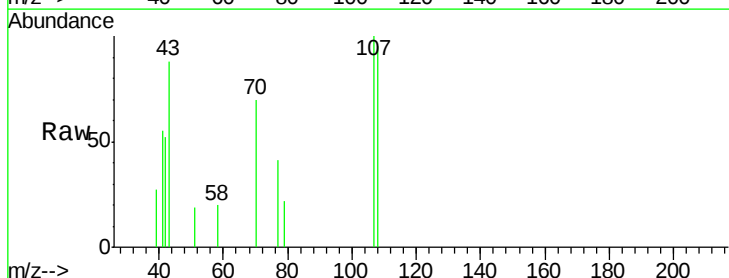
Manual Integrations
APPROVED

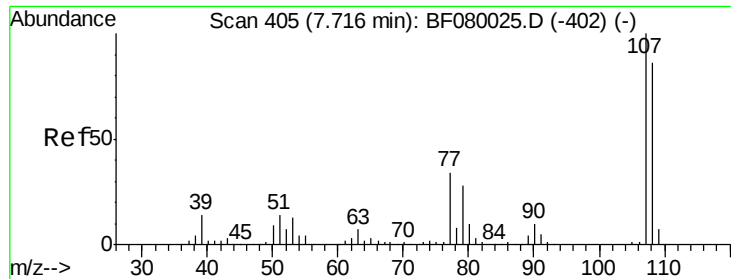
apatel
6/22/2015 2:41:16 PM



#19
n-Nitroso-di-n-propylamine
Concen: 0.51 ng
RT: 7.72 min Scan# 405
Delta R.T. -0.02 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Tgt Ion: 70 Resp: 1204
Ion Ratio Lower Upper
70 100
42 73.9 63.8 95.6
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#





#20

3+4-Methylphenols

Concen: 0.56 ng

RT: 7.72 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF080072.D

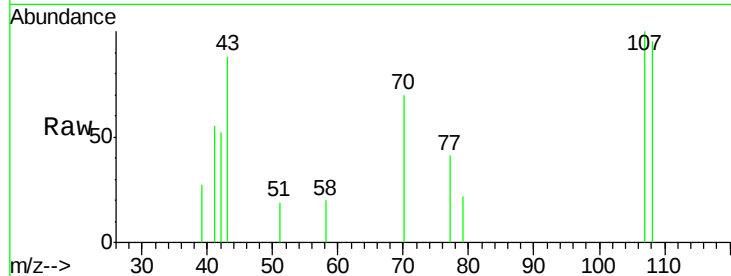
Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01



Tgt Ion:107 Resp: 1846

Ion Ratio Lower Upper

107 100

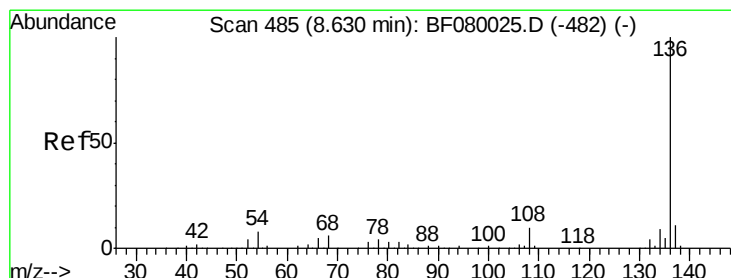
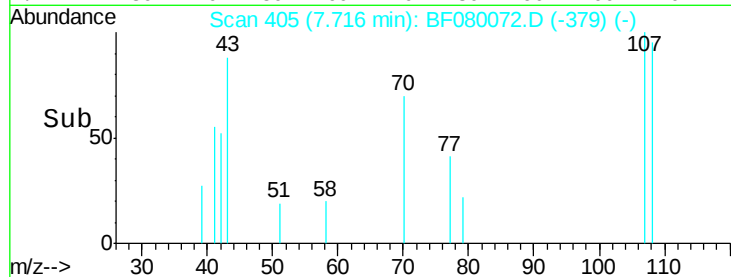
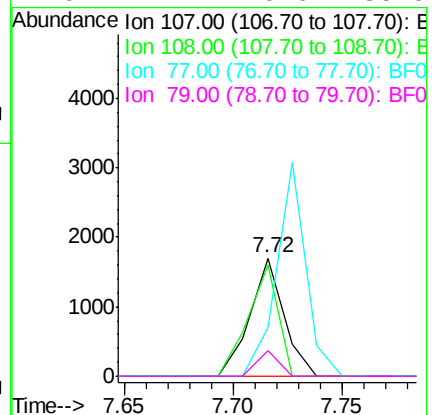
108 94.8 74.6 114.6

77 41.2 0.7 40.7#

79 22.1 0.0 38.9

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.62 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Tgt Ion:136 Resp: 186487

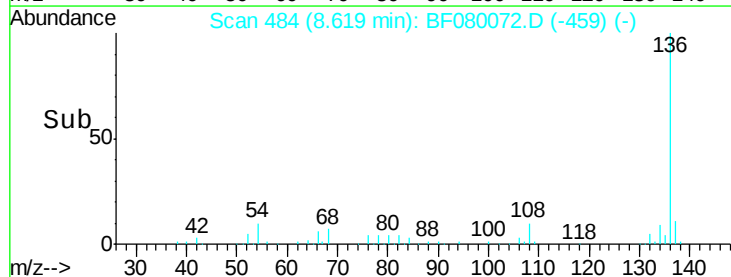
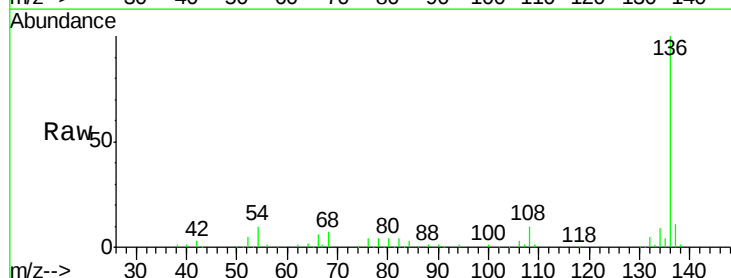
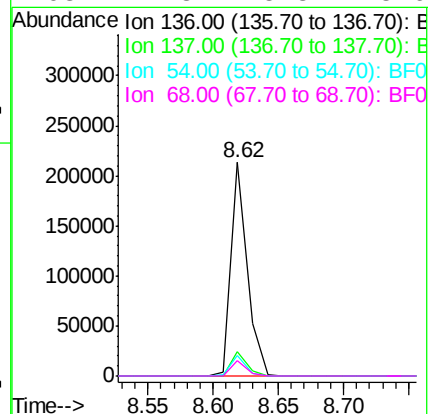
Ion Ratio Lower Upper

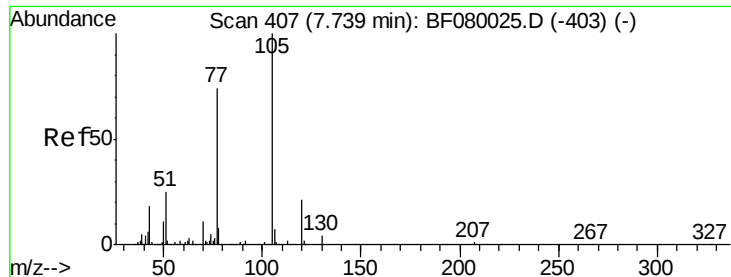
136 100

137 11.3 9.0 13.6

54 9.8 8.2 12.2

68 7.3 5.8 8.6





#22

Acetophenone

Concen: 0.60 ng

RT: 7.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF080072.D

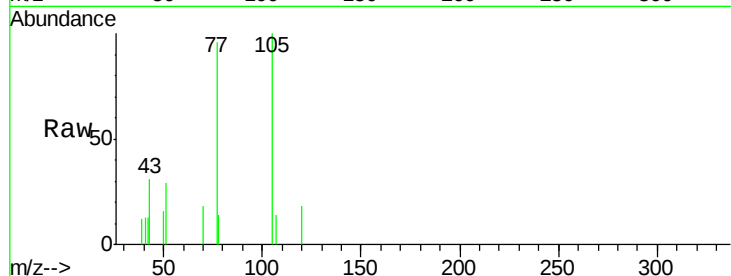
Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

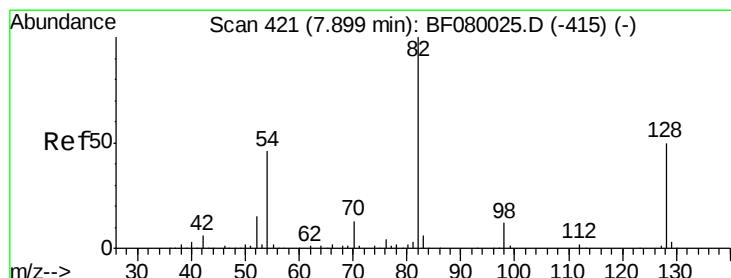
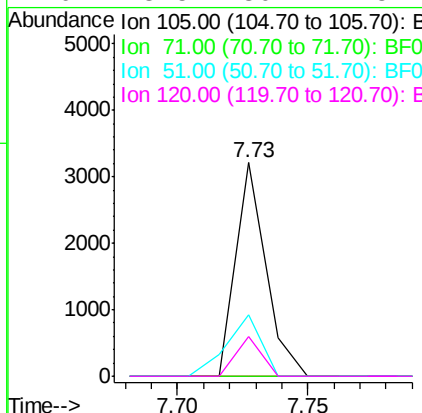
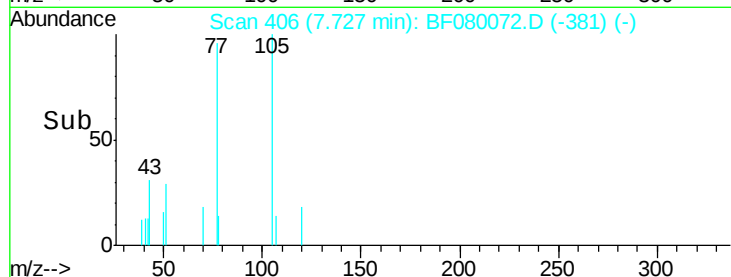
LOD-SOIL2015-01



Tgt Ion	Ratio	Resp	Lower	Upper
105	100	2599		
71	0.0	4.7	7.1#	
51	28.6	22.0	33.0	
120	18.5	30.1	45.1#	

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#23

Nitrobenzene-d5

Concen: 70.31 ng

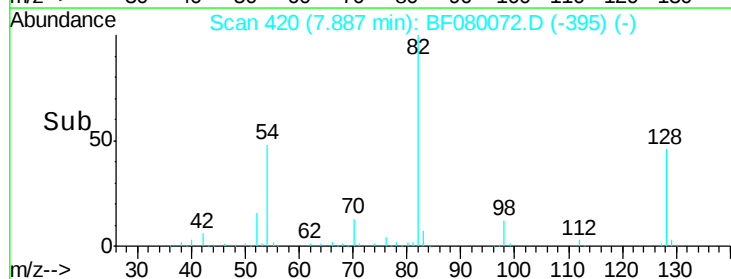
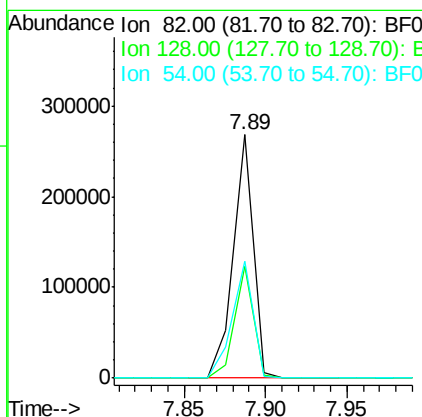
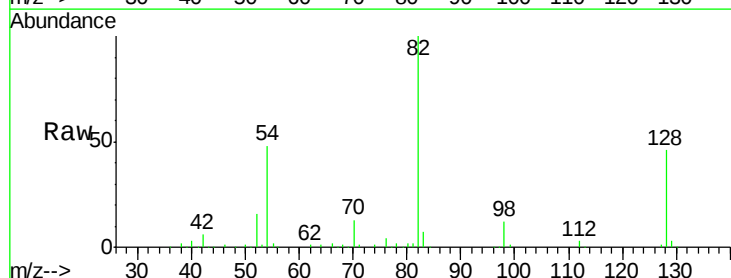
RT: 7.89 min Scan# 420

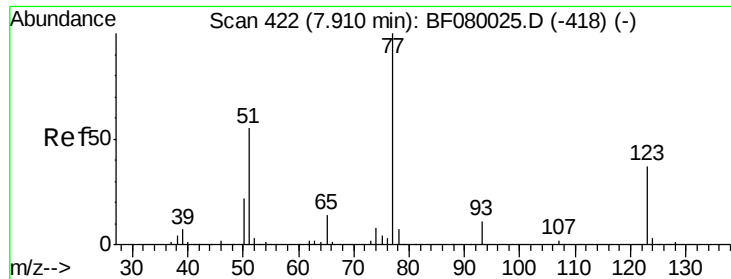
Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	225212		
128	46.0	51.0	76.6#	
54	48.0	47.5	71.3	





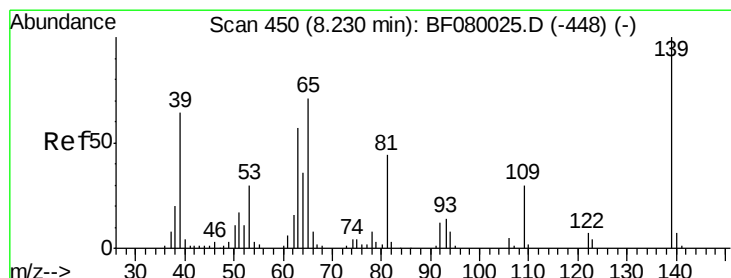
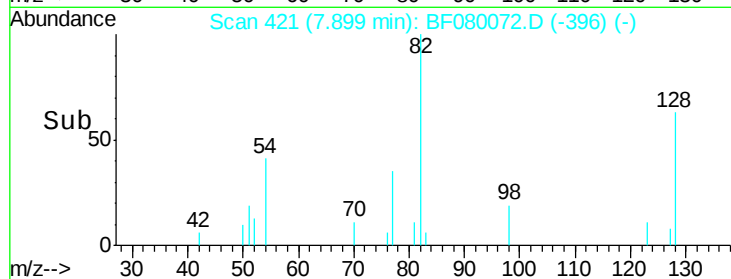
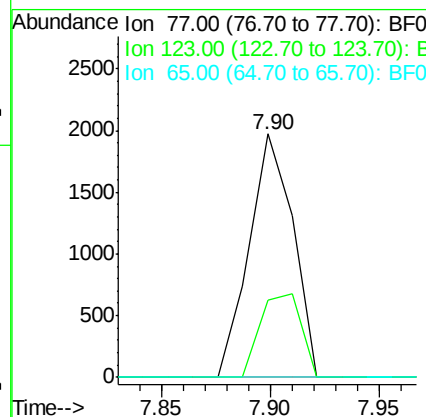
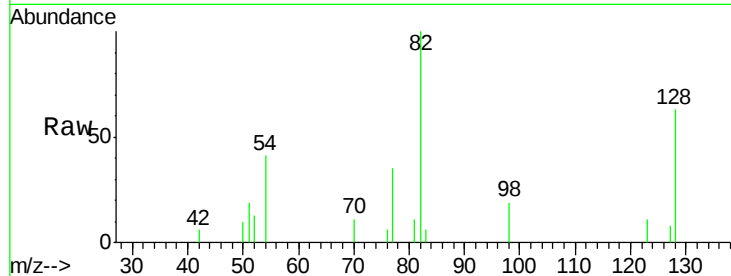
#24
 Nitrobenzene
 Concen: 0.84 ng
 RT: 7.90 min Scan# 421
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
77	100		
123	31.8	59.8	89.8#
65	0.0	10.2	15.4#

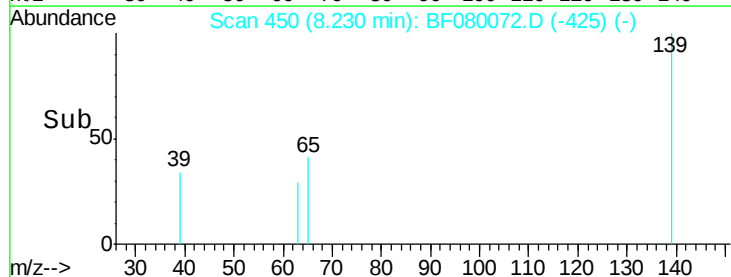
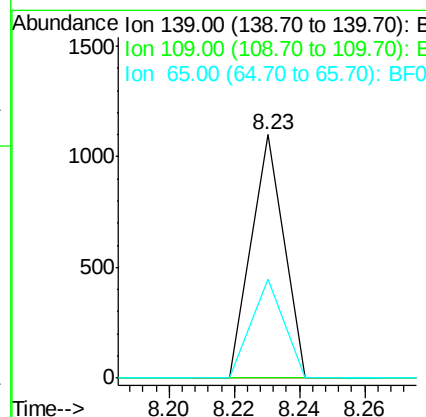
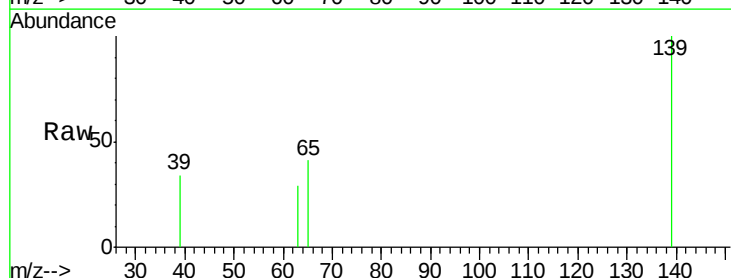
Manual Integrations
 APPROVED

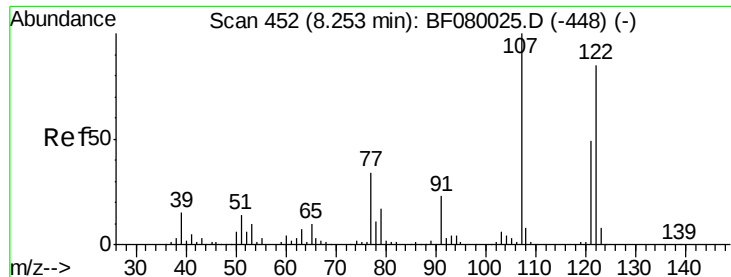
apatel
 6/22/2015 2:41:16 PM



#26
 2-Nitrophenol
 Concen: 0.54 ng
 RT: 8.23 min Scan# 450
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	11.0	16.4#
65	40.9	24.7	37.1#





#27

2,4-Dimethylphenol

Concen: 0.45 ng

RT: 8.25 min Scan# 452

Delta R.T. 0.00 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

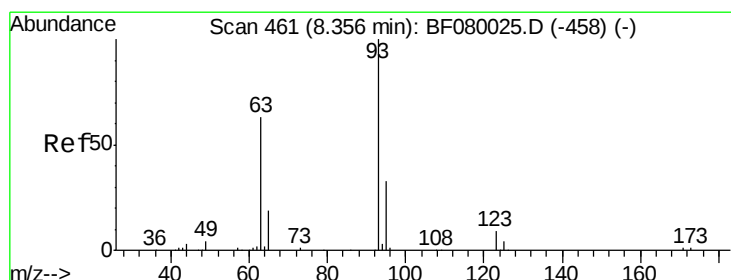
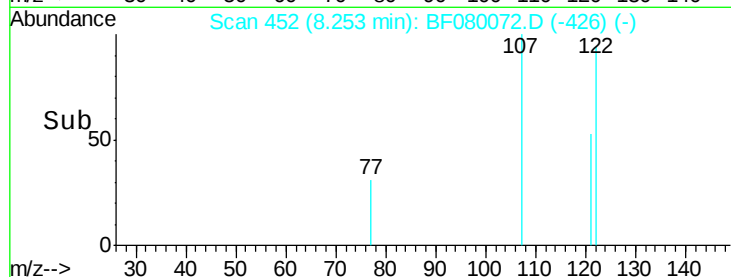
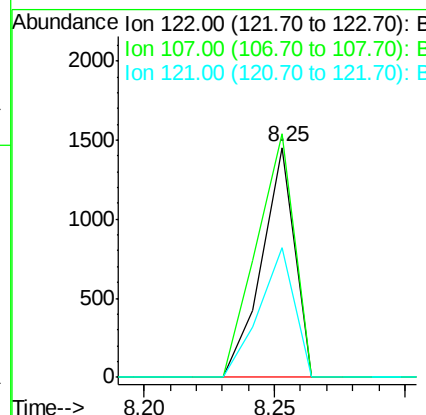
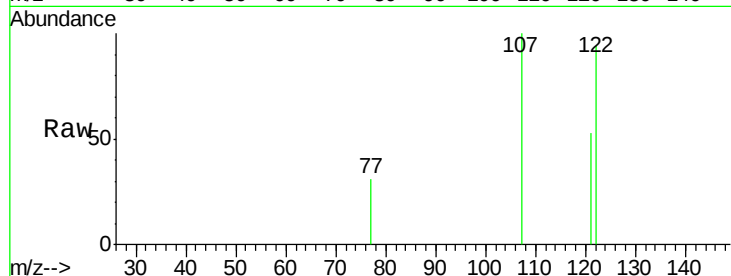
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	122	Resp:	1290
Ion Ratio	Lower	Upper	
122	100		
107	105.8	71.8	107.6
121	56.3	42.3	63.5

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#28

bis(2-Chloroethoxy)methane

Concen: 0.60 ng

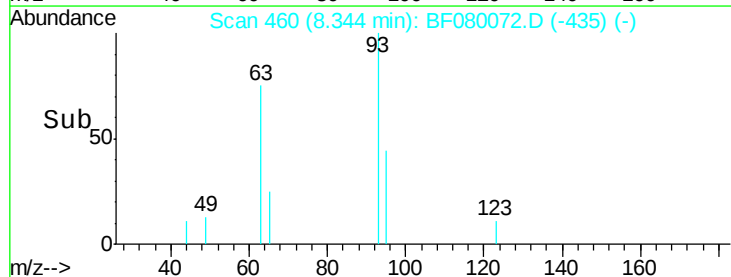
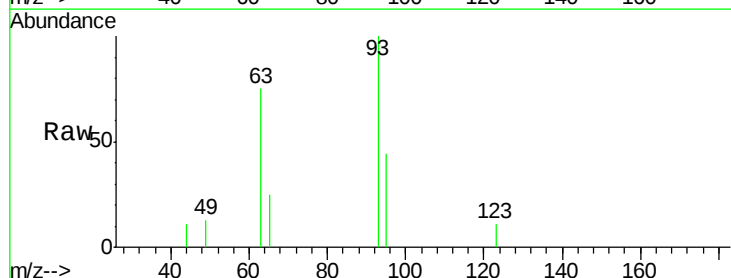
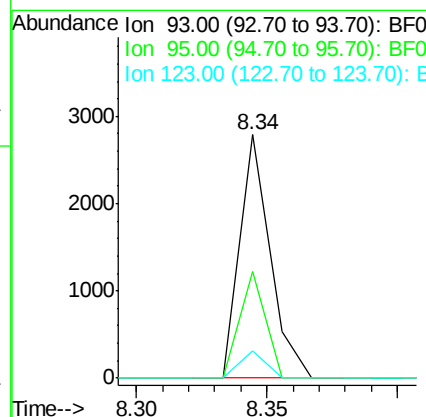
RT: 8.34 min Scan# 460

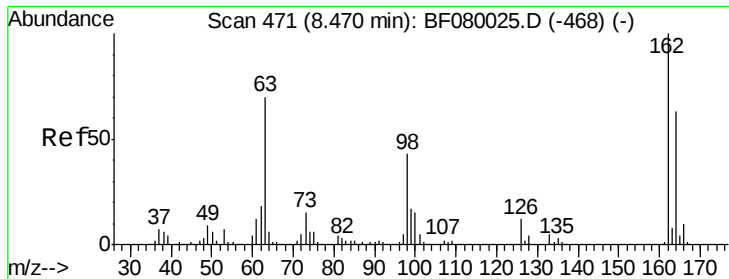
Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Tgt Ion:	93	Resp:	2276
Ion Ratio	Lower	Upper	
93	100		
95	44.0	27.5	41.3#
123	11.3	13.7	20.5#





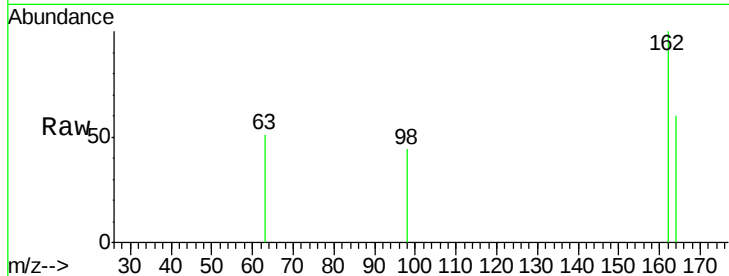
#29
 2,4-Dichlorophenol
 Concen: 0.49 ng
 RT: 8.47 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

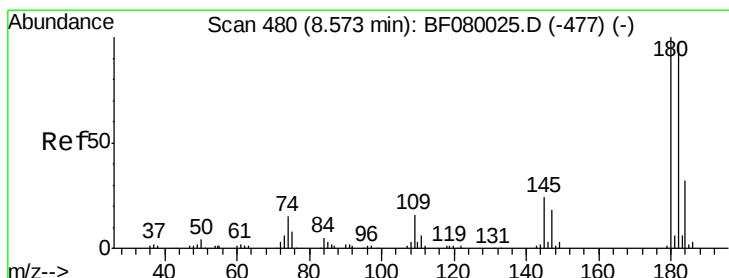
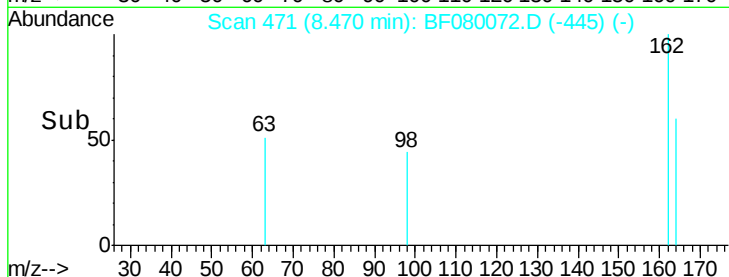
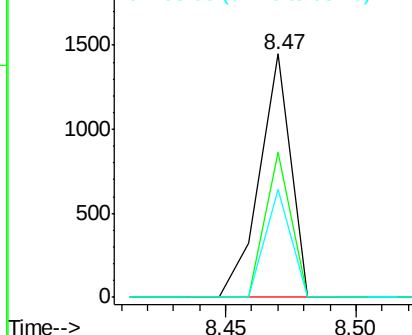
Tgt Ion:	162	Resp:	1217
Ion Ratio	Lower	Upper	
162	100		
164	59.8	44.9	84.9
98	44.4	13.0	53.0

Manual Integrations
 APPROVED

apatel
 6/22/2015 2:41:16 PM



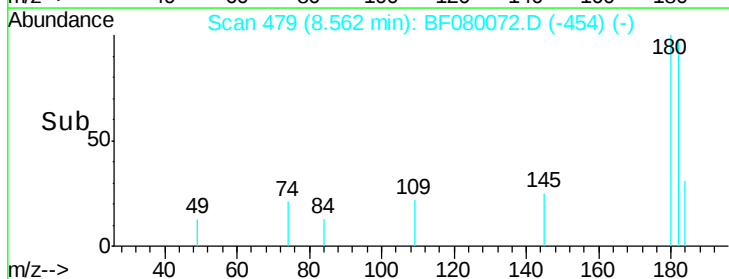
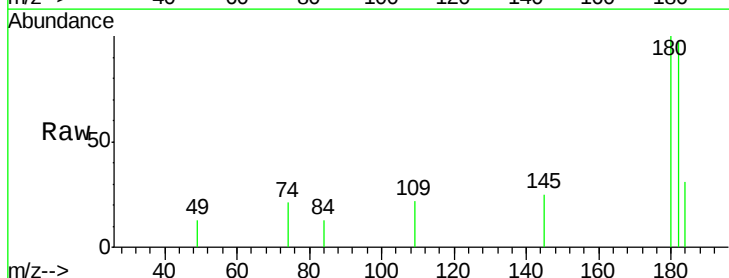
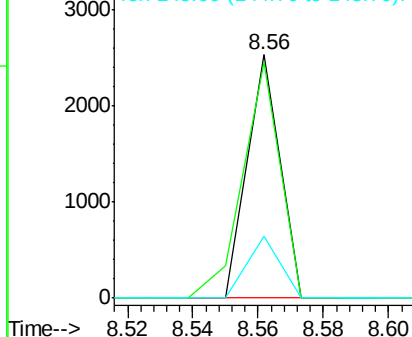
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

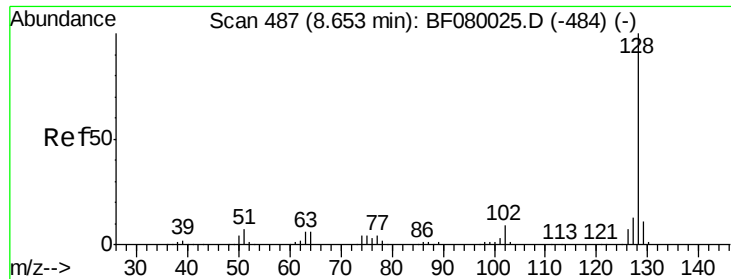


#30
 1,2,4-Trichlorobenzene
 Concen: 0.62 ng
 RT: 8.56 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion:	180	Resp:	1739
Ion Ratio	Lower	Upper	
180	100		
182	96.8	77.1	115.7
145	25.5	23.3	34.9

Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





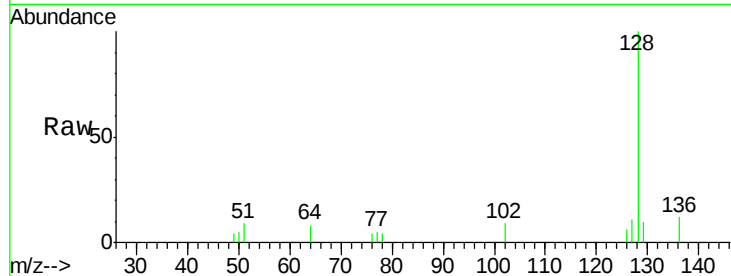
#31
Naphthalene
Concen: 0.69 ng
RT: 8.64 min Scan# 486
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

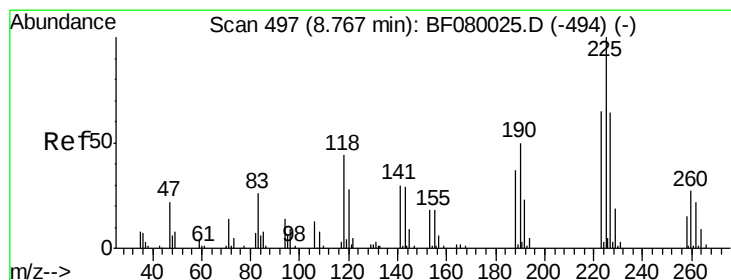
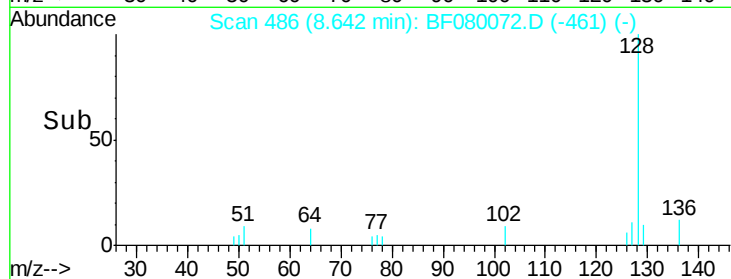
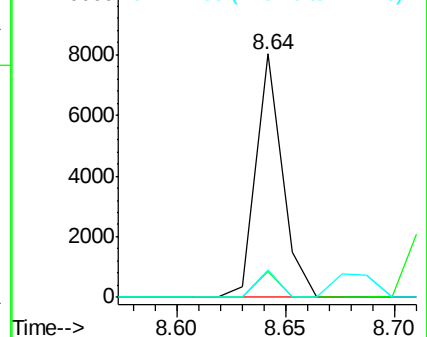
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.4	12.6
127	11.3	9.9	14.9

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM

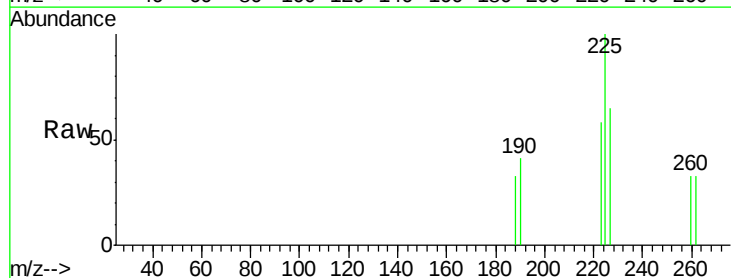


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

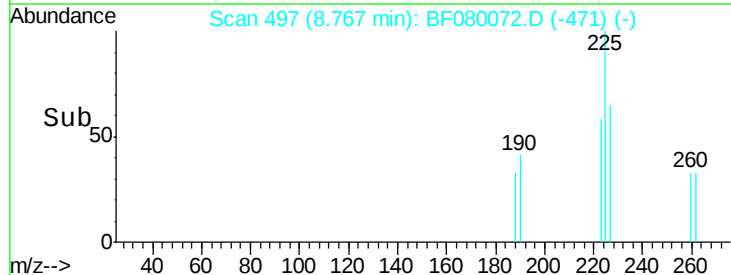
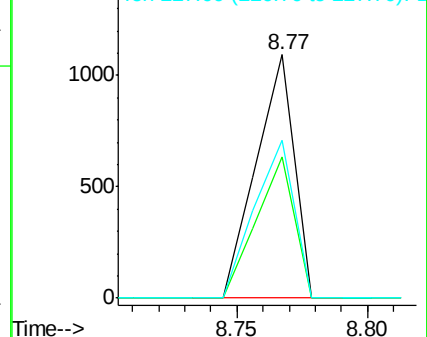


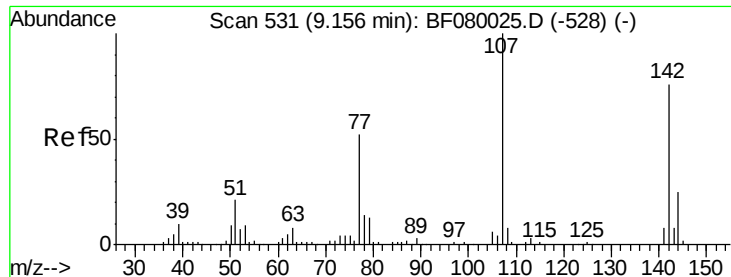
#34
Hexachlorobutadiene
Concen: 0.65 ng
RT: 8.77 min Scan# 497
Delta R.T. 0.00 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.0	50.2	75.2
227	65.0	52.2	78.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#36

4-Chloro-3-methylphenol

Concen: 0.47 ng

RT: 9.14 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

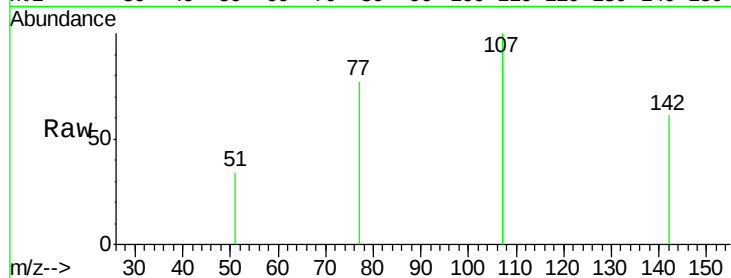
ClientSampleId :

LOD-SOIL2015-01

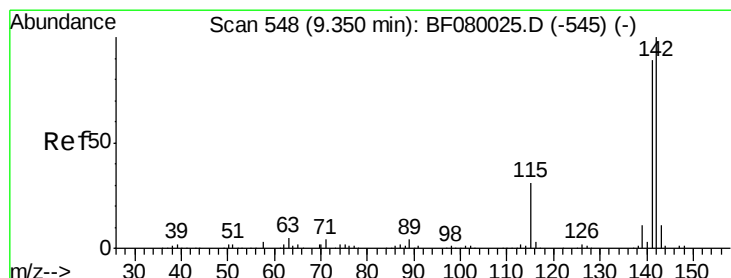
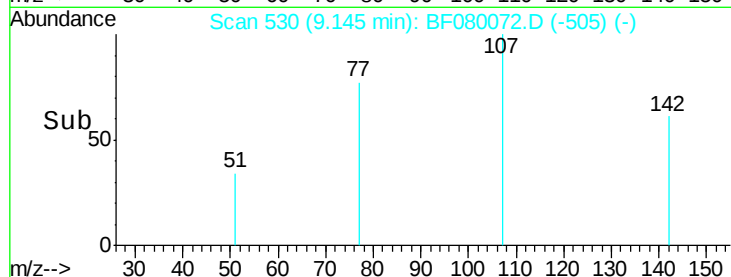
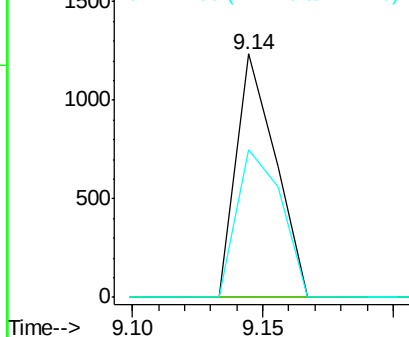
Tgt Ion:	107	Resp:	1304
Ion Ratio	Lower	Upper	
107	100		
144	0.0	25.4	38.0#
142	60.7	77.3	115.9#

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 0.73 ng

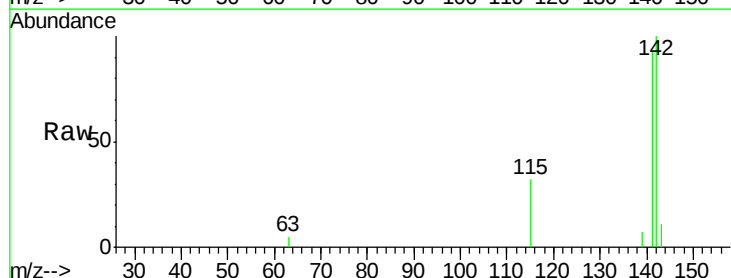
RT: 9.34 min Scan# 547

Delta R.T. -0.01 min

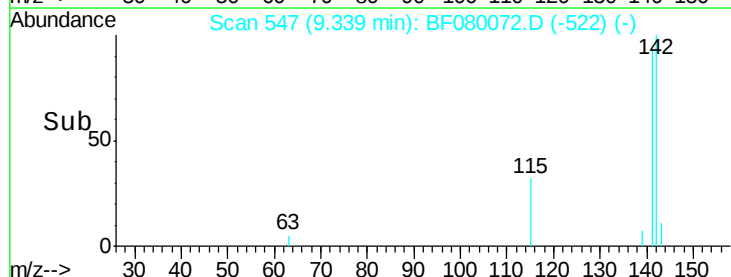
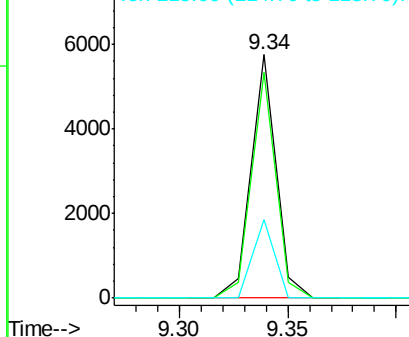
Lab File: BF080072.D

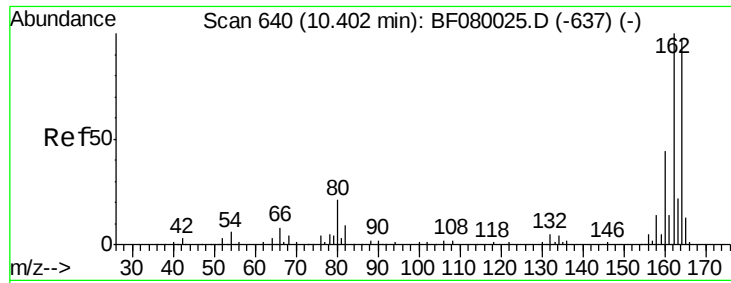
Acq: 20 Jun 2015 00:43

Tgt Ion:	142	Resp:	4605
Ion Ratio	Lower	Upper	
142	100		
141	92.5	67.5	101.3
115	32.2	18.2	27.2#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.39 min Scan# 639

Delta R.T. -0.01 min

Lab File: BF080072.D

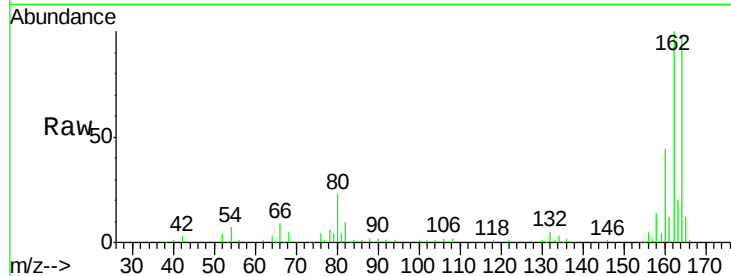
Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

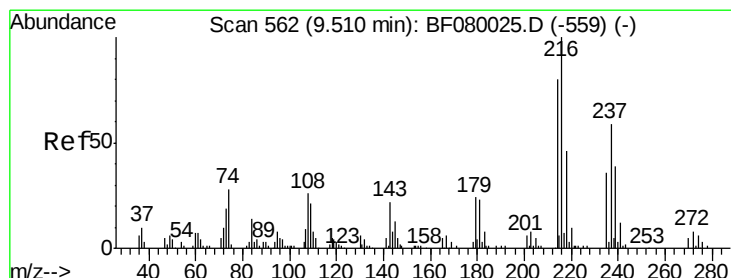
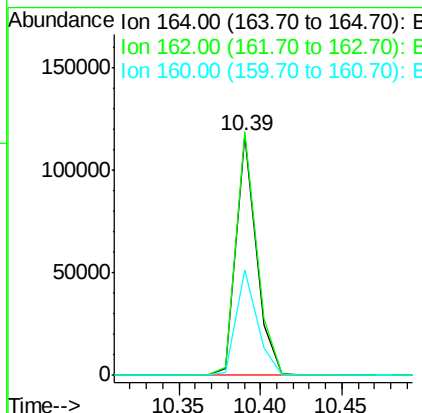
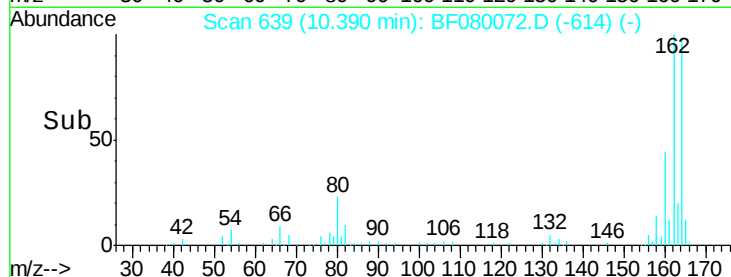
LOD-SOIL2015-01



Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	75.2	112.8
160	44.2	31.5	47.3

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.70 ng

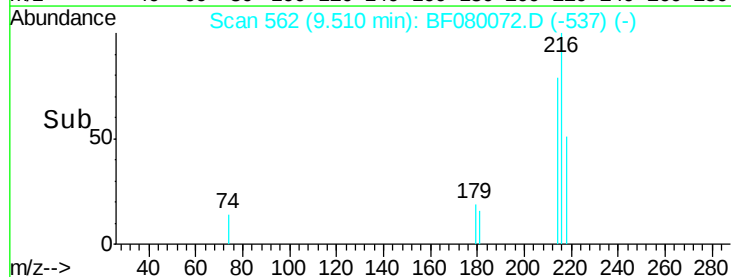
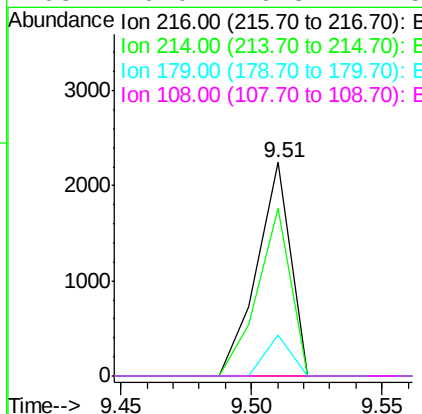
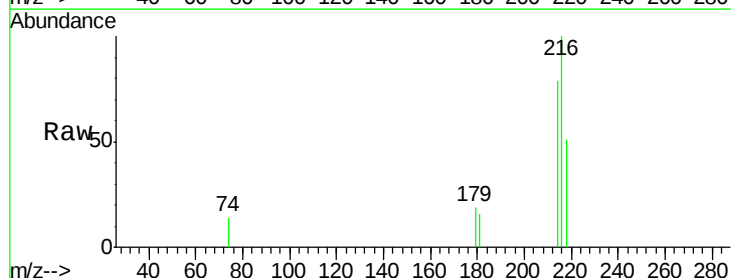
RT: 9.51 min Scan# 562

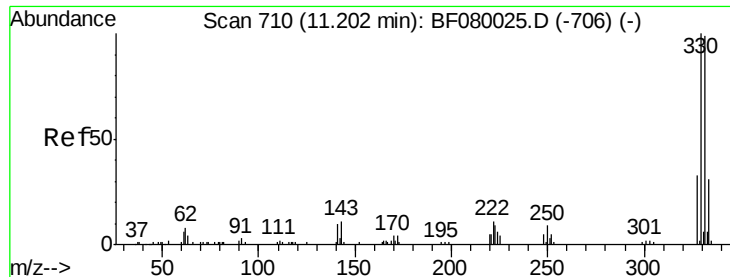
Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.4	63.5	95.3
179	14.4	16.6	24.8#
108	0.0	16.3	24.5#





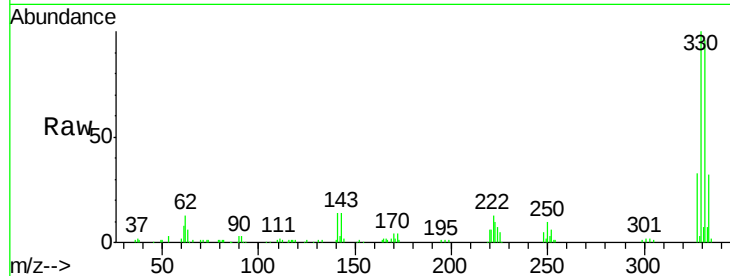
#41
 2,4,6-Tribromophenol
 Concen: 107.20 ng
 RT: 11.19 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

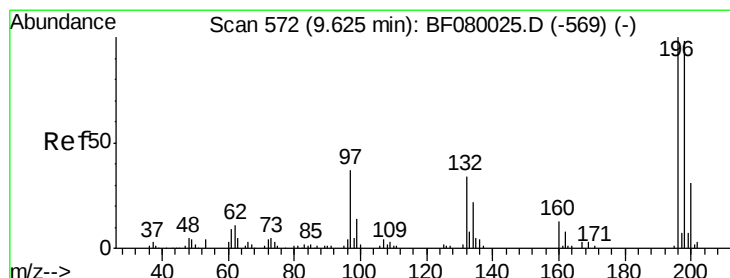
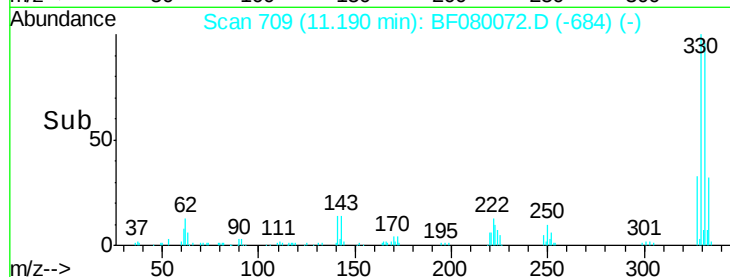
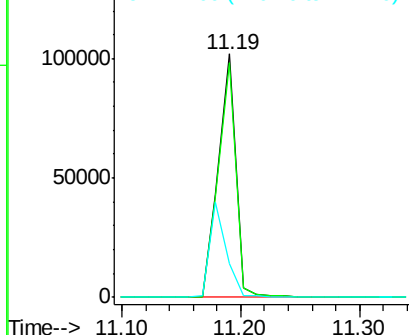
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	104522		
332	96.0	76.6	114.8	
141	36.5	29.7	44.5	

Manual Integrations
 APPROVED

apatel
 6/22/2015 2:41:16 PM



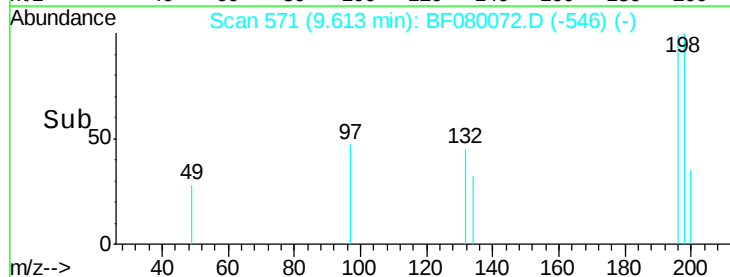
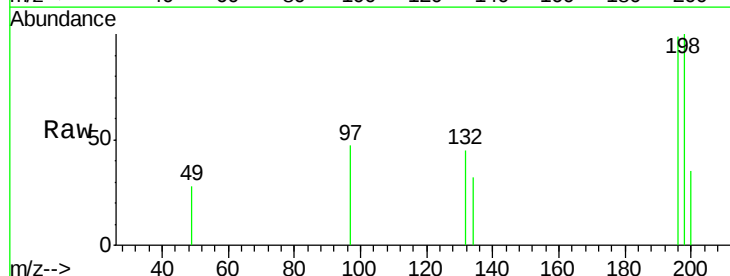
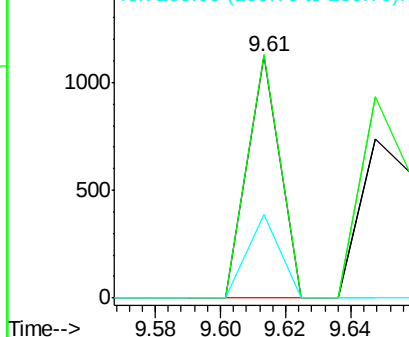
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

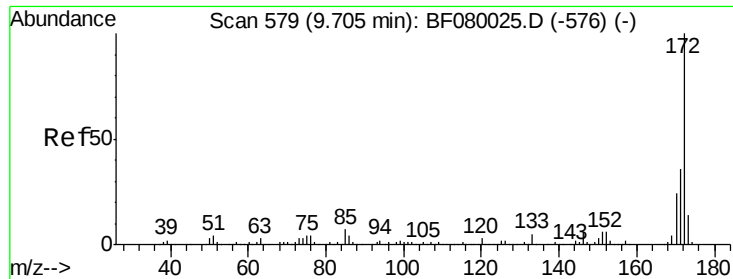


#42
 2,4,6-Trichlorophenol
 Concen: 0.39 ng
 RT: 9.61 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	769		
198	100.7	75.7	113.5	
200	34.8	23.9	35.9	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





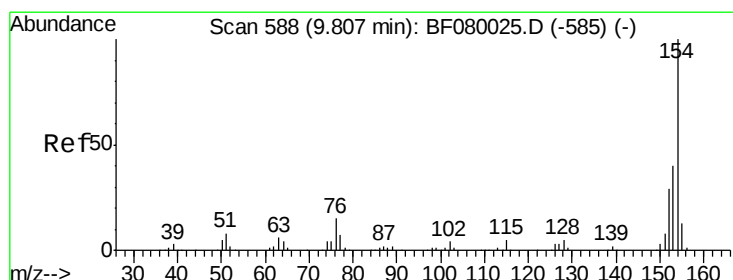
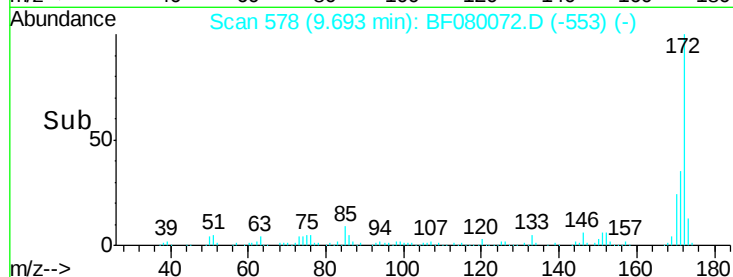
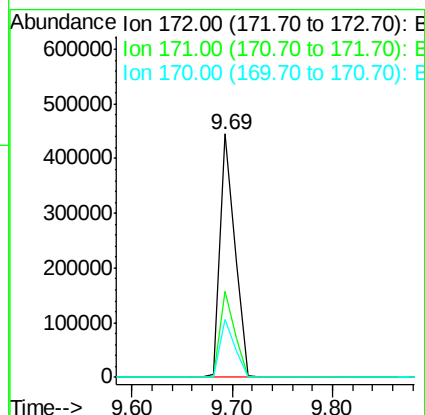
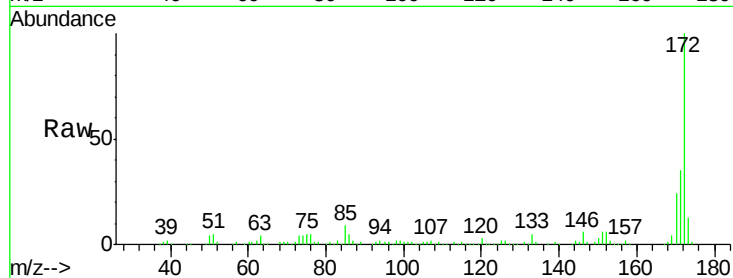
#44
 2-Fluorobiphenyl
 Concen: 65.35 ng
 RT: 9.69 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	456881		
171	35.3	26.1	39.1	
170	23.6	17.4	26.2	

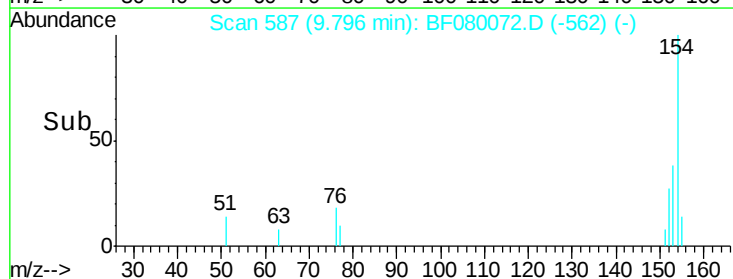
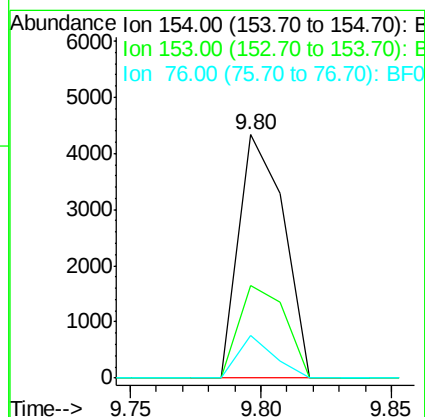
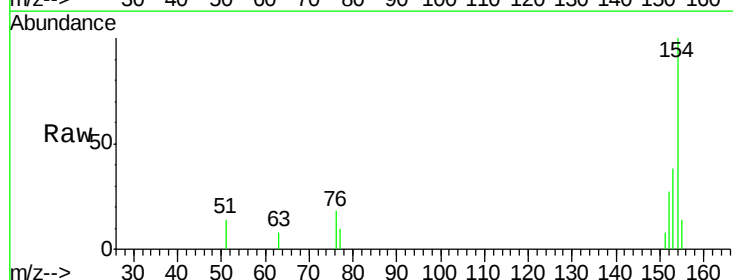
Manual Integrations
 APPROVED

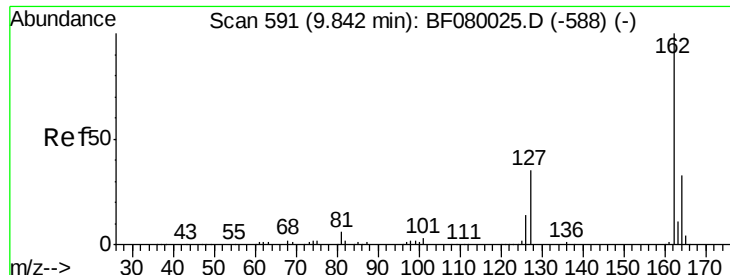
apatel
 6/22/2015 2:41:16 PM



#45
 1,1'-Biphenyl
 Concen: 0.64 ng
 RT: 9.80 min Scan# 587
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	5229		
153	38.1	17.1	57.1	
76	17.8	0.0	31.6	





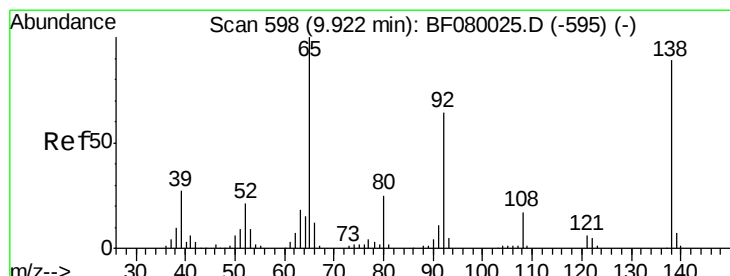
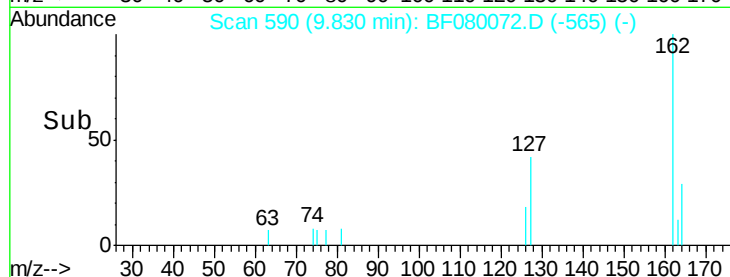
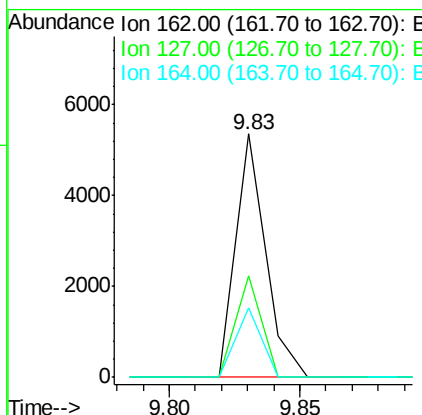
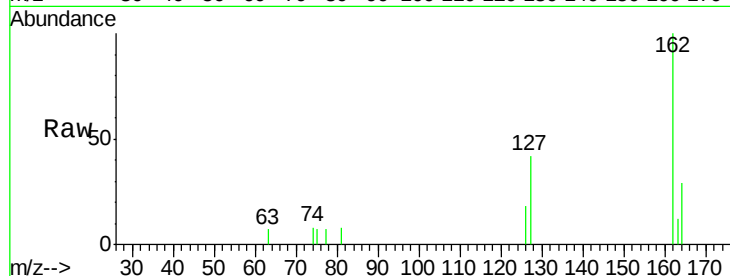
#46
 2-Chloronaphthalene
 Concen: 0.65 ng
 RT: 9.83 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.7	27.6	41.4#
164	28.8	25.4	38.2

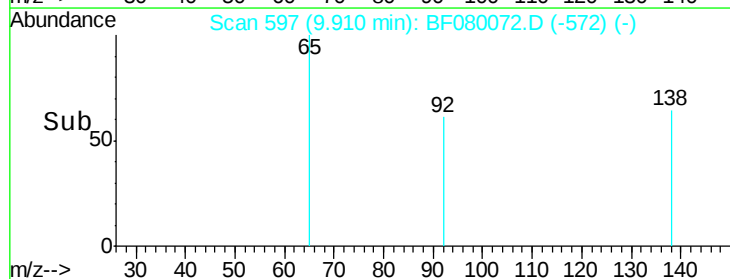
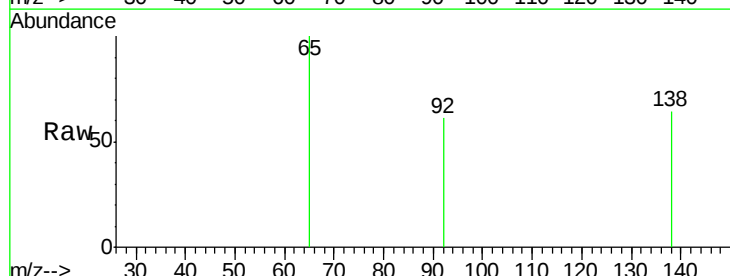
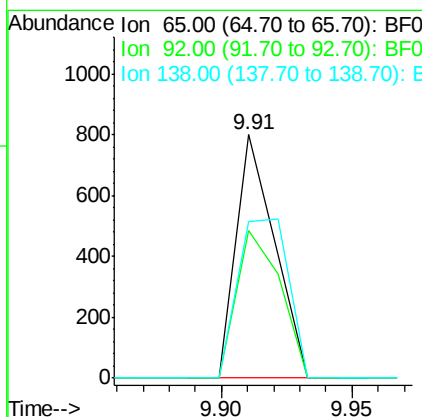
Manual Integrations
 APPROVED

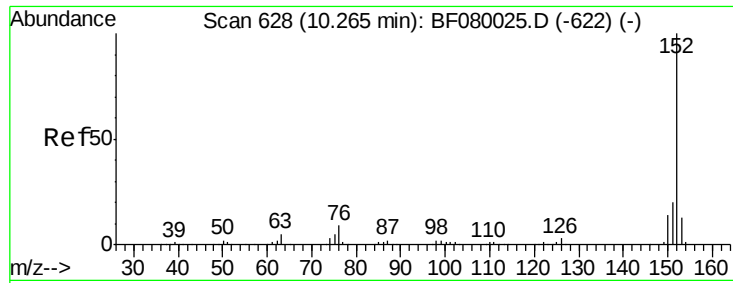
apatel
 6/22/2015 2:41:16 PM



#47
 2-Nitroaniline
 Concen: 0.46 ng
 RT: 9.91 min Scan# 597
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
65	100		
92	60.5	55.4	83.0
138	64.0	115.5	173.3#





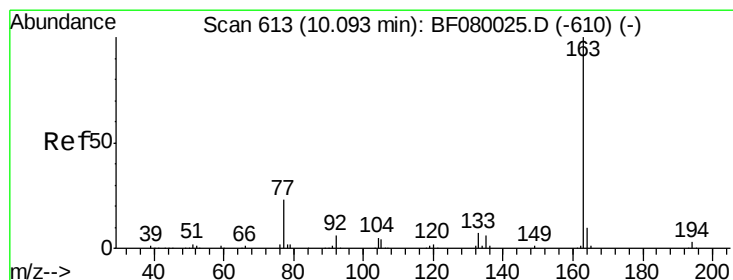
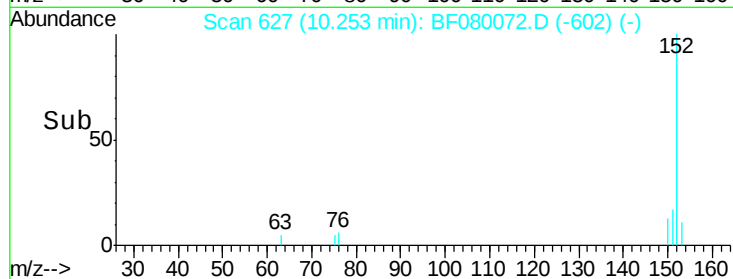
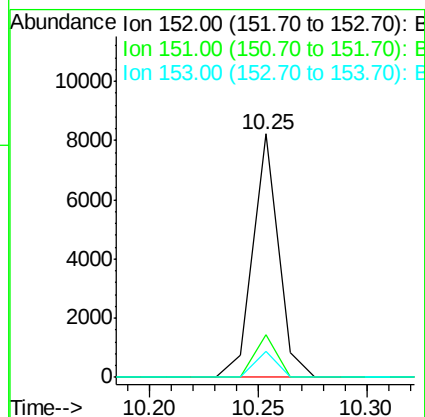
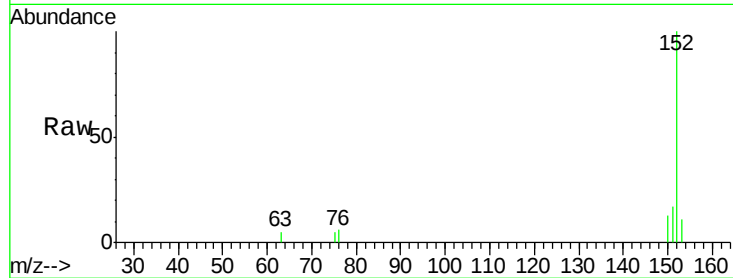
#48
Acenaphthylene
Concen: 0.61 ng
RT: 10.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.3	14.6	22.0
153	10.7	10.3	15.5

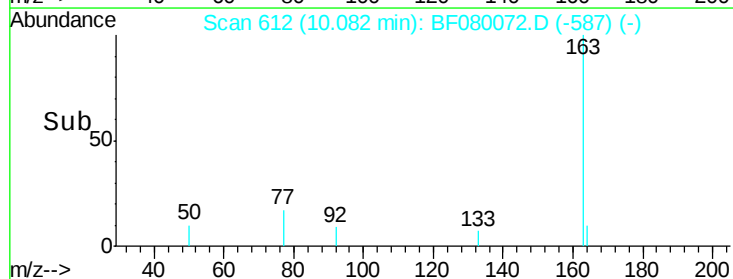
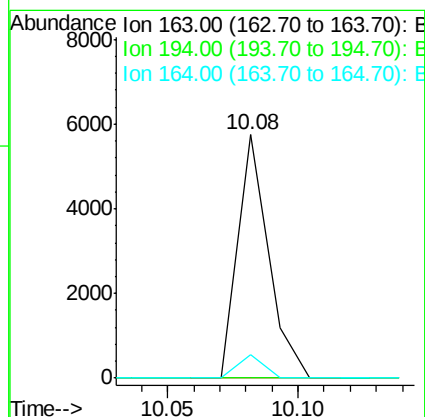
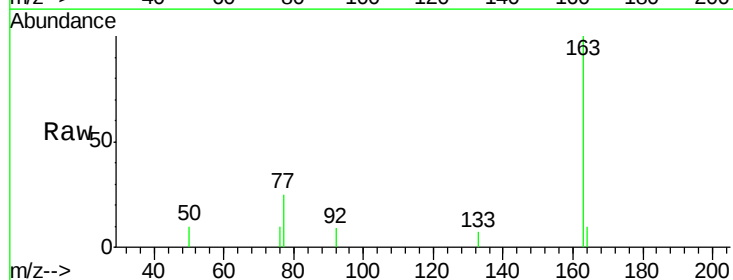
Manual Integrations
APPROVED

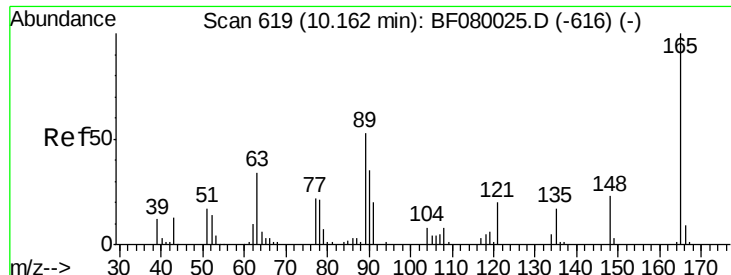
apatel
6/22/2015 2:41:16 PM



#49
Dimethylphthalate
Concen: 0.64 ng
RT: 10.08 min Scan# 612
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	0.0	4.4	6.6#
164	9.8	8.3	12.5





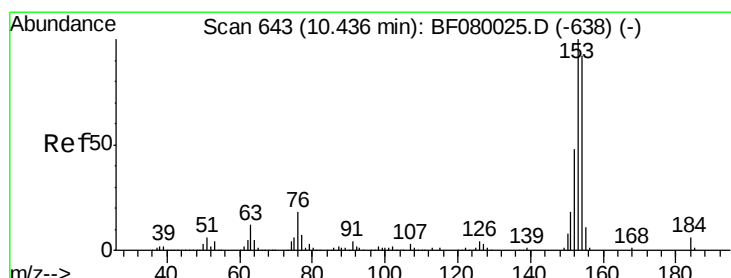
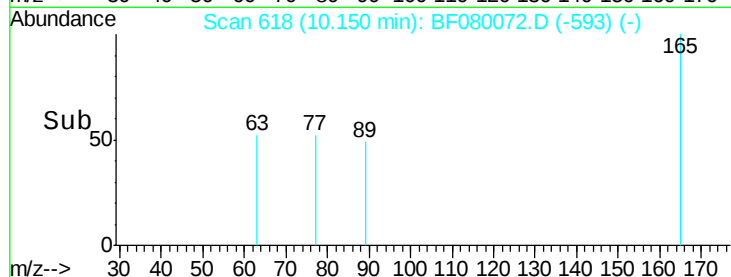
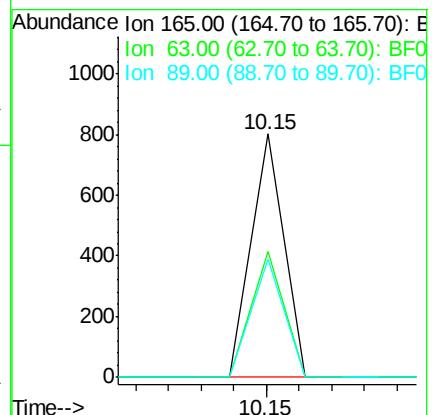
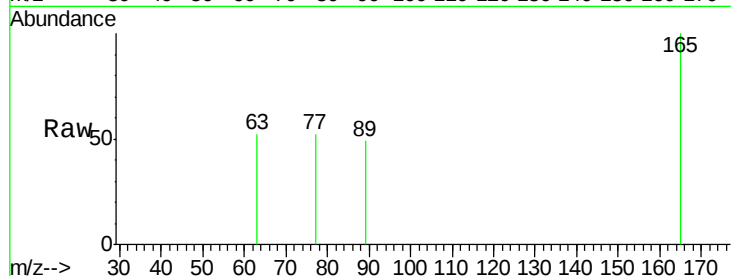
#50
2,6-Dinitrotoluene
Concen: 0.37 ng
RT: 10.15 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	550		
63	51.6	32.3	48.5#	
89	48.6	28.6	43.0#	

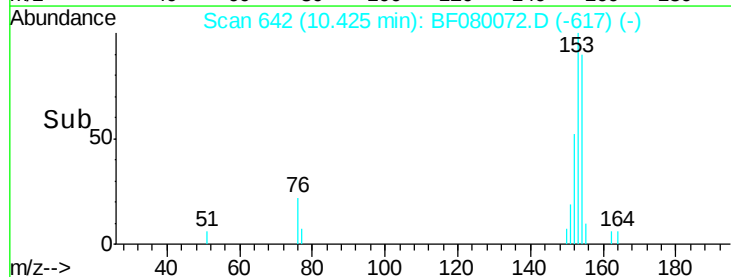
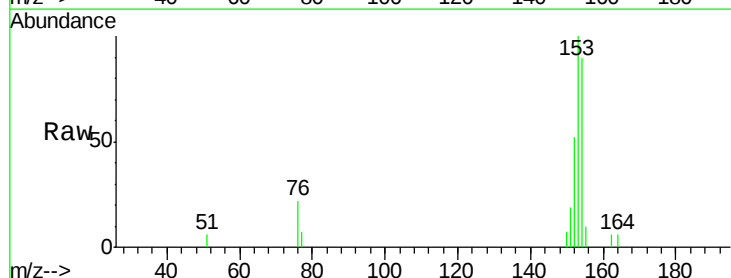
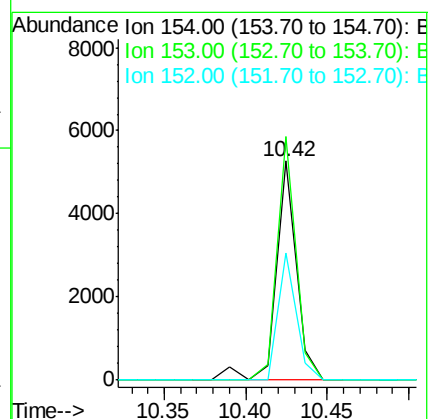
Manual Integrations
APPROVED

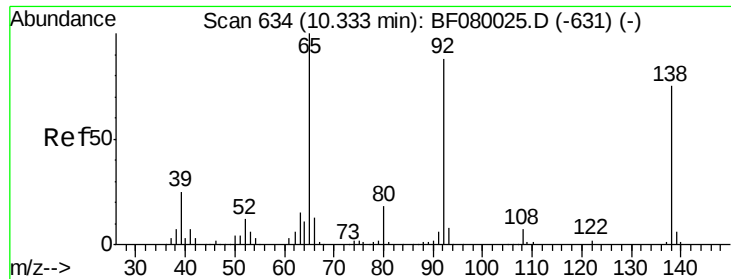
apatel
6/22/2015 2:41:16 PM



#51
Acenaphthene
Concen: 0.68 ng
RT: 10.42 min Scan# 642
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	4575		
153	111.1	82.1	123.1	
152	58.0	37.9	56.9#	





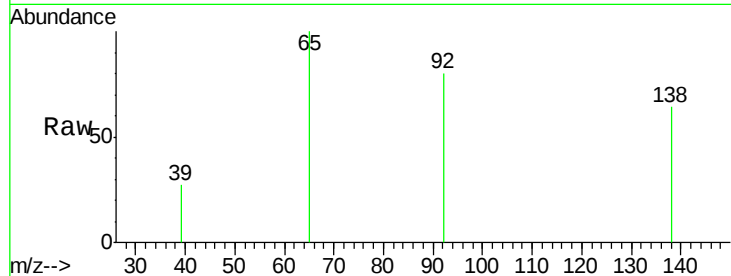
#52
3-Nitroaniline
Concen: 0.41 ng
RT: 10.32 min Scan# 633
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

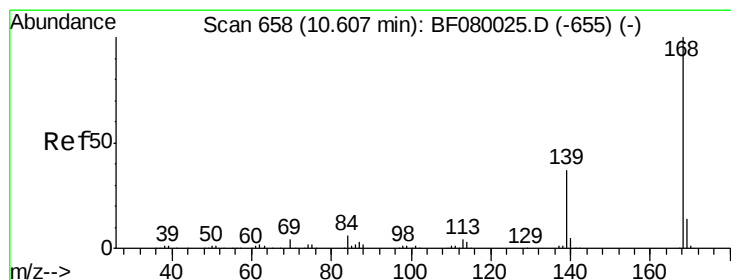
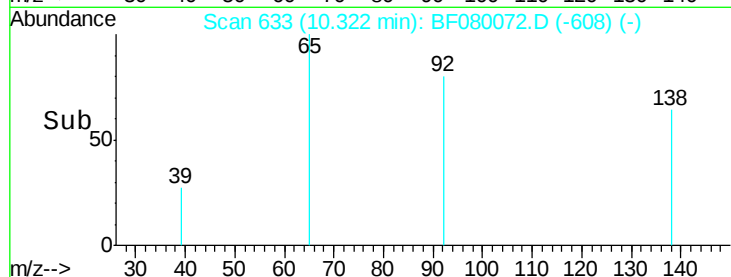
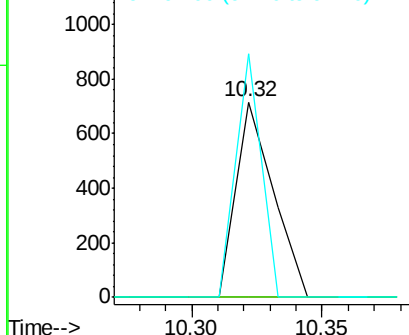
Tgt Ion:138 Resp: 715
Ion Ratio Lower Upper
138 100
108 0.0 5.7 8.5#
92 124.9 67.7 101.5#

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



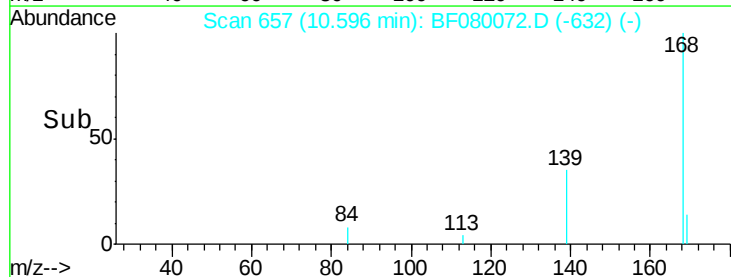
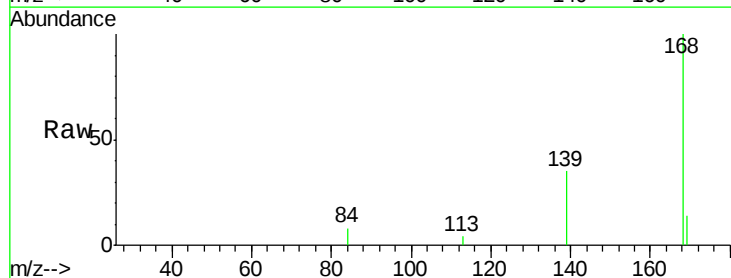
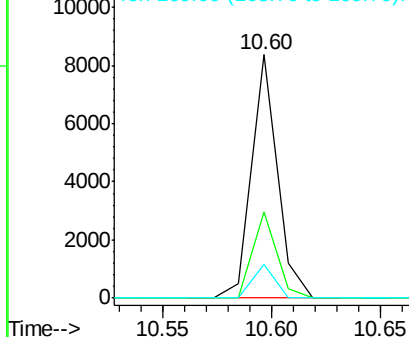
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

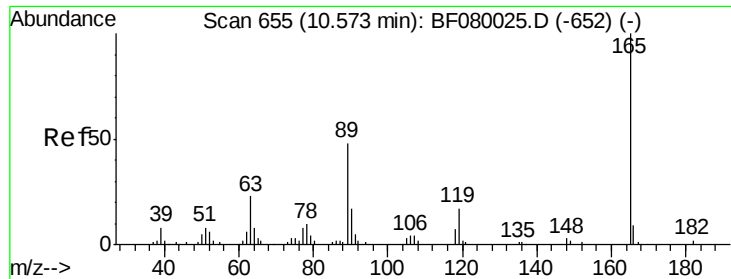


#54
Dibenzofuran
Concen: 0.72 ng
RT: 10.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Tgt Ion:168 Resp: 6891
Ion Ratio Lower Upper
168 100
139 35.2 24.2 36.2
169 13.6 10.6 15.8

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#56

2,4-Dinitrotoluene

Concen: 6.65 ng

RT: 10.39 min Scan# 639

Delta R.T. -0.18 min

Lab File: BF080072.D

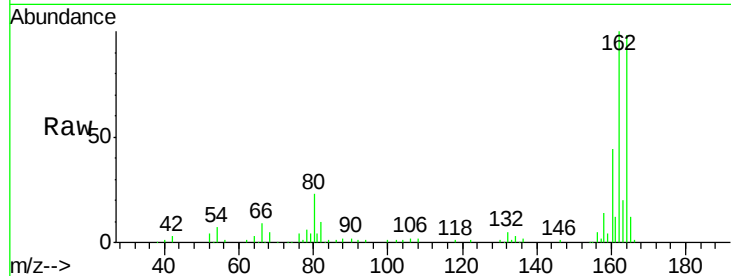
Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01



Tgt Ion:165 Resp: 12678

Ion Ratio Lower Upper

165 100

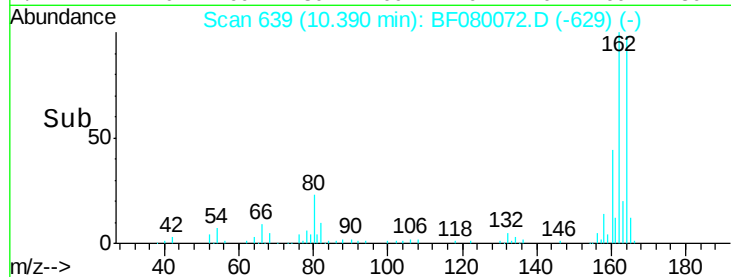
63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM

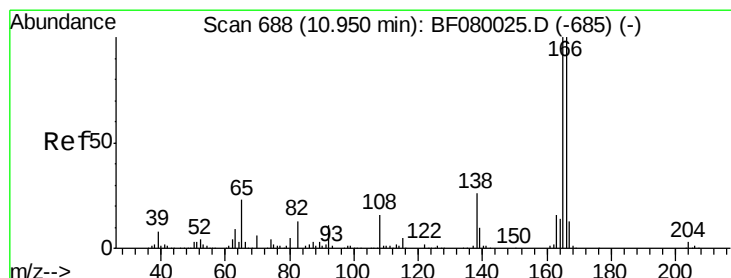
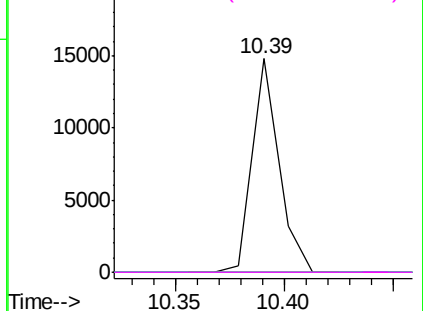


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 0.64 ng

RT: 10.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

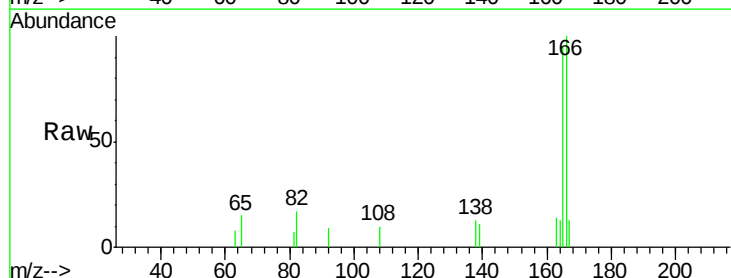
Tgt Ion:166 Resp: 4822

Ion Ratio Lower Upper

166 100

165 95.3 72.6 109.0

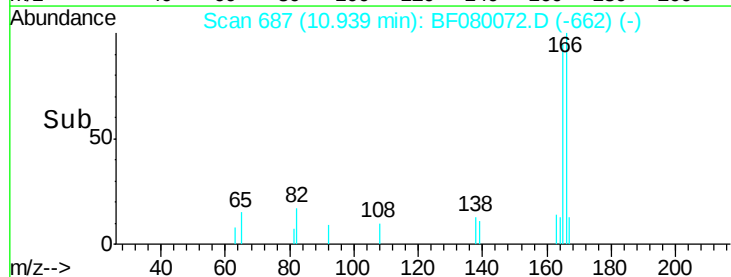
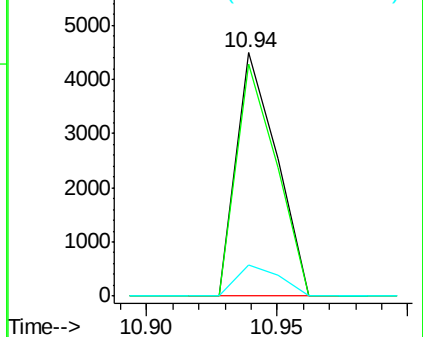
167 13.0 10.6 16.0

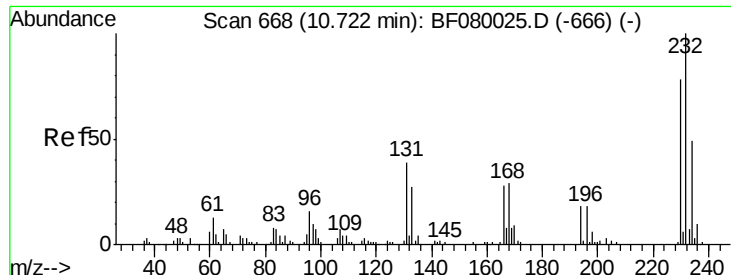


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





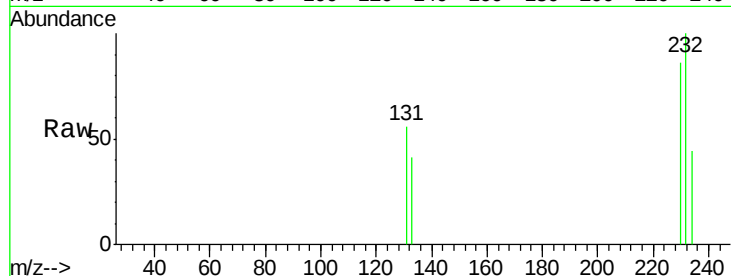
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.45 ng
 RT: 10.71 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

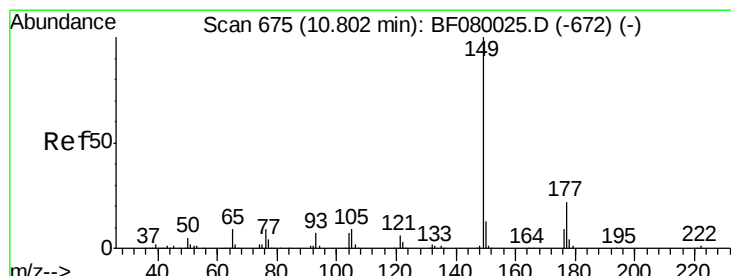
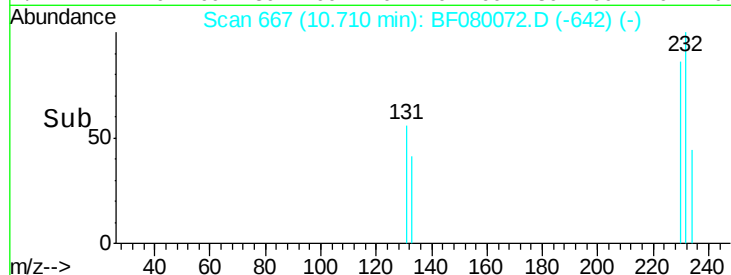
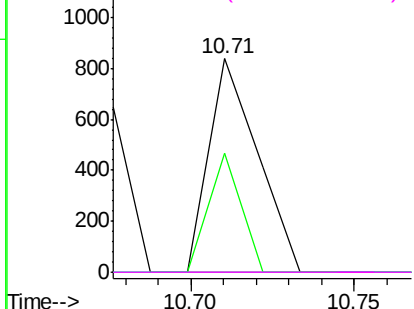
Tgt Ion	Ratio	Lower	Upper
232	100		
131	37.6	38.5	57.7#
130	0.0	1.8	2.6#
166	0.0	25.0	37.6#

Manual Integrations
 APPROVED

apatel
 6/22/2015 2:41:16 PM

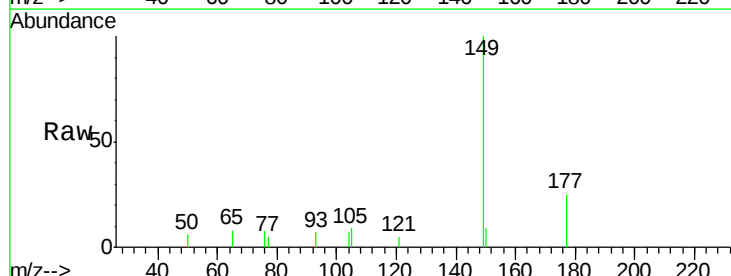


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

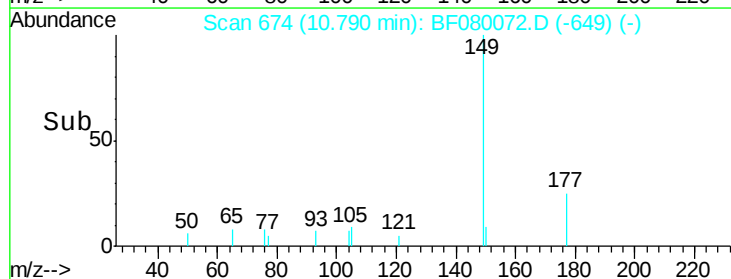
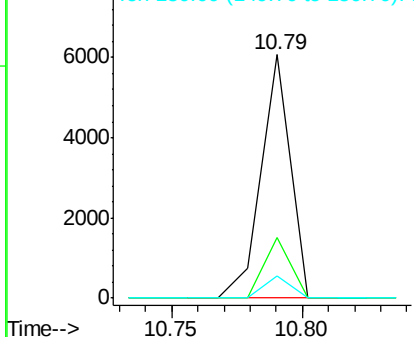


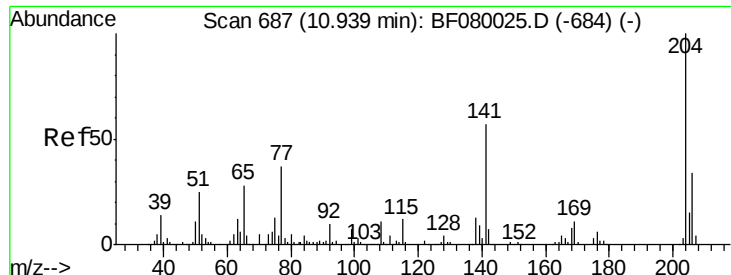
#59
 Diethylphthalate
 Concen: 0.62 ng
 RT: 10.79 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.7	17.5	26.3
150	8.9	9.4	14.2#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#60

4-Chlorophenyl-phenylether

Concen: 0.63 ng

RT: 10.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF080072.D

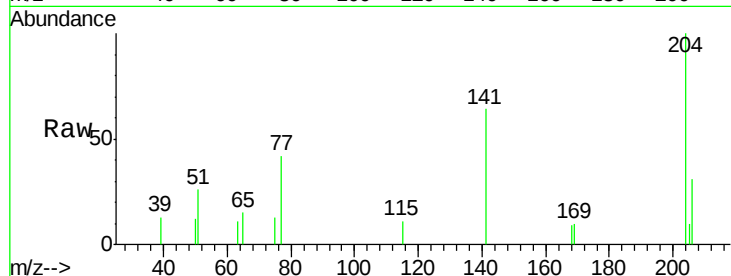
Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01



Tgt Ion: 204 Resp: 2290

Ion Ratio Lower Upper

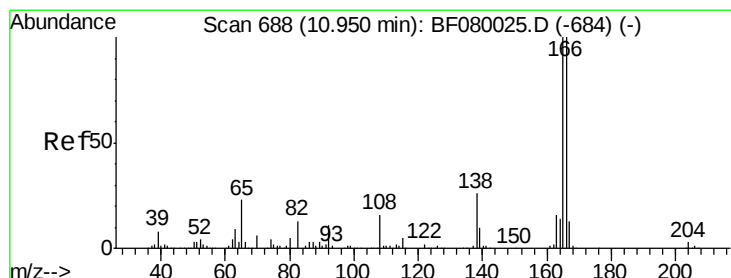
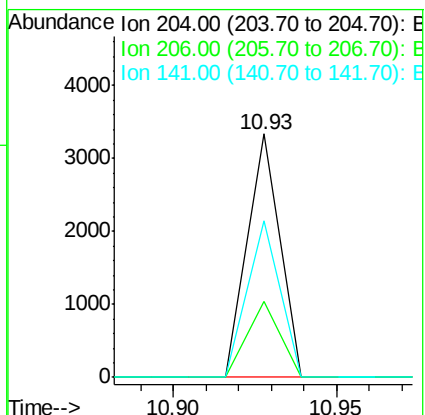
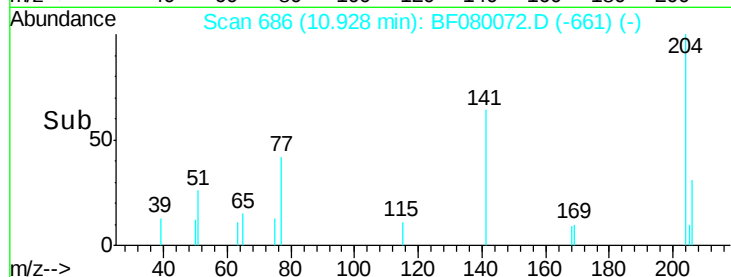
204 100

206 31.2 24.8 37.2

141 64.3 42.2 63.4#

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#61

4-Nitroaniline

Concen: 0.22 ng

RT: 10.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

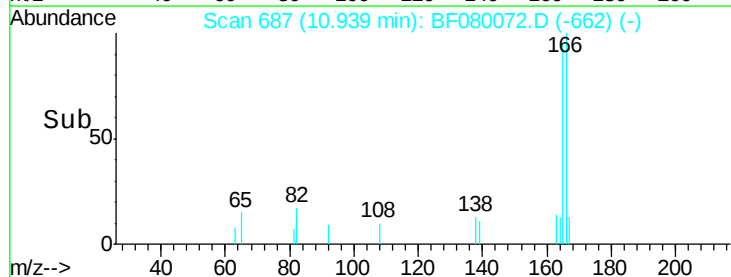
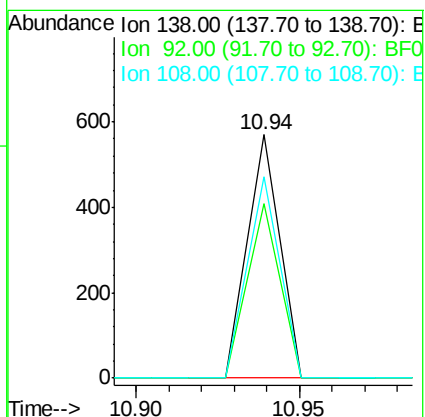
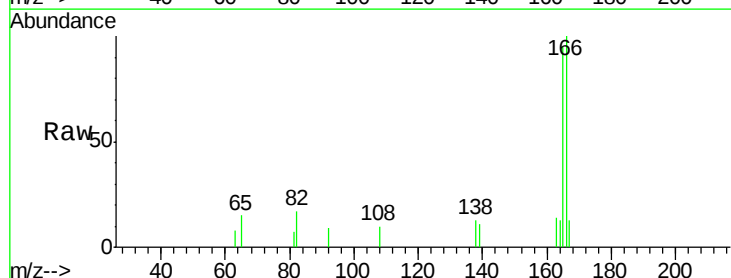
Tgt Ion: 138 Resp: 391

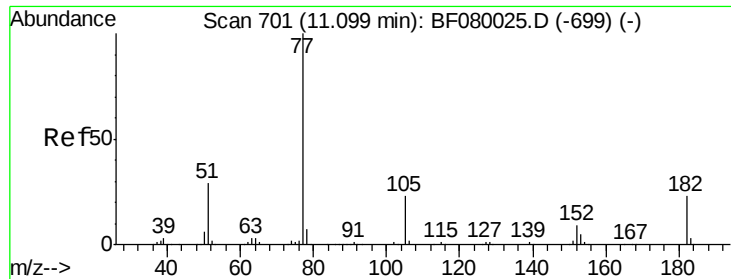
Ion Ratio Lower Upper

138 100

92 71.6 12.6 52.6#

108 82.5 12.4 52.4#





#62

Azobenzene

Concen: 0.57 ng

RT: 11.09 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

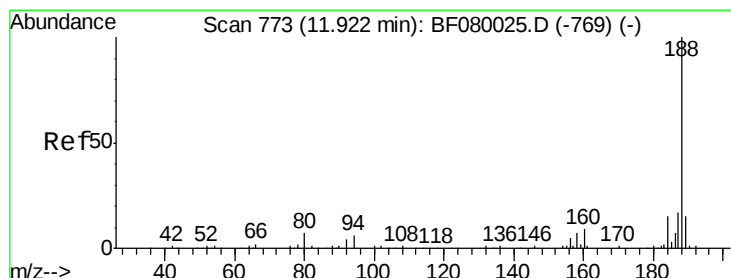
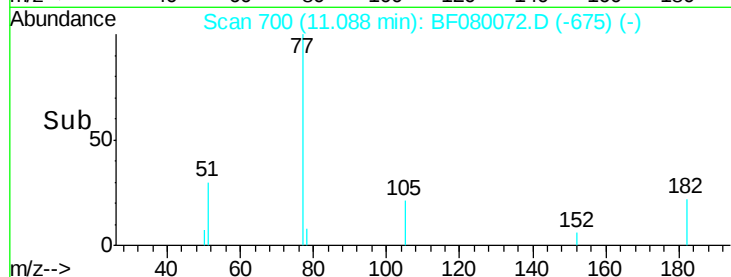
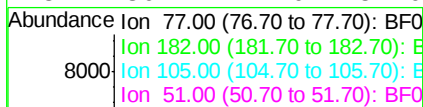
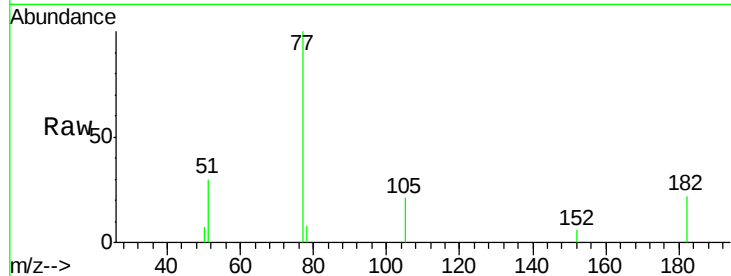
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	77	Resp:	4413
Ion	Ratio	Lower	Upper
77	100		
182	22.2	15.1	55.1
105	20.6	3.4	43.4
51	30.4	12.0	52.0

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#63

Phenanthrene-d10

Concen: 20.00 ng

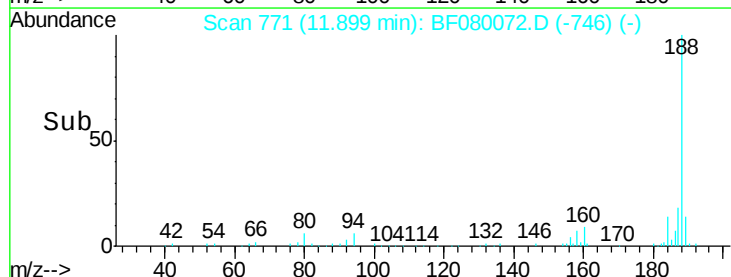
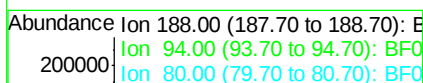
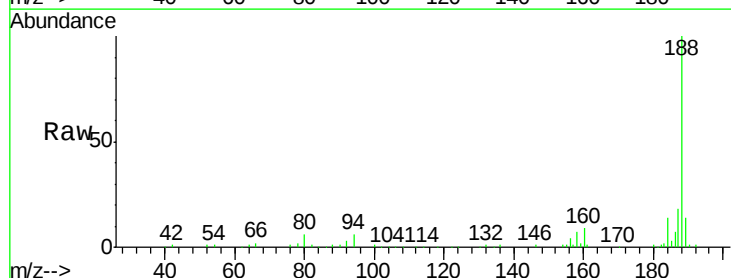
RT: 11.90 min Scan# 771

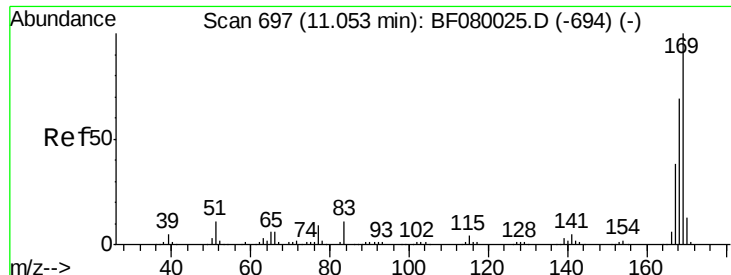
Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Tgt Ion:	188	Resp:	207010
Ion	Ratio	Lower	Upper
188	100		
94	6.4	11.1	16.7#
80	5.6	11.0	16.4#





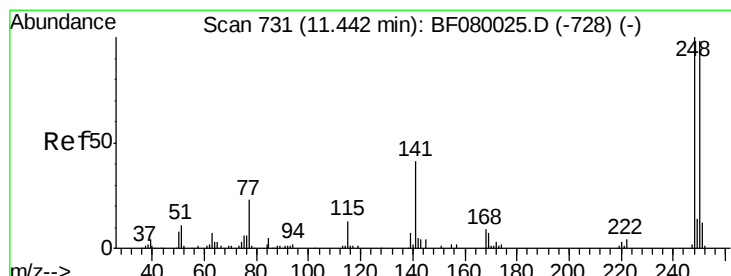
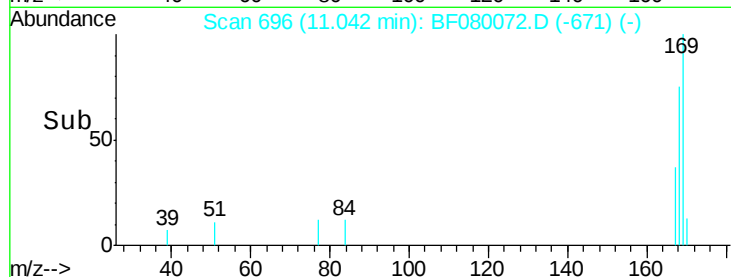
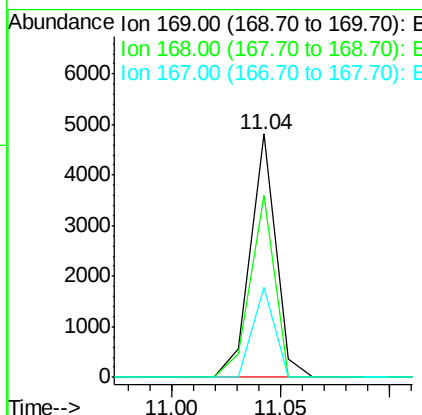
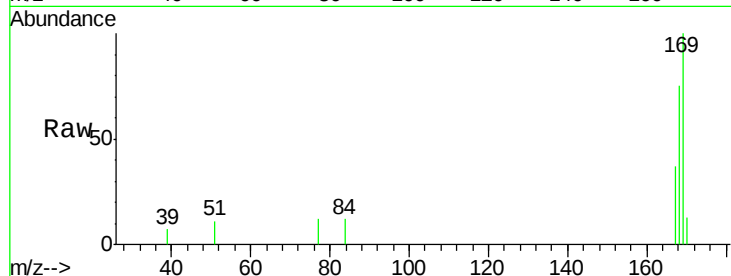
#65
 n-Nitrosodiphenylamine
 Concen: 0.58 ng
 RT: 11.04 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
169	100		
168	74.8	48.9	73.3#
167	36.9	26.2	39.4

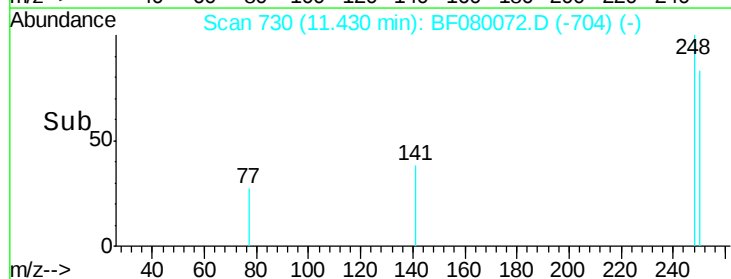
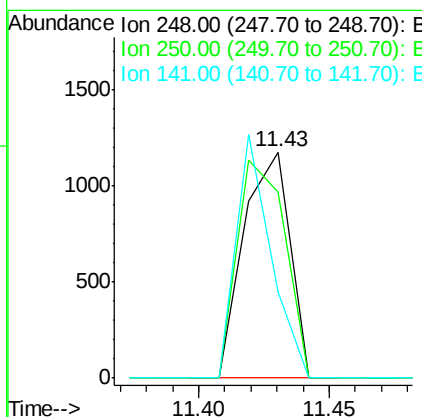
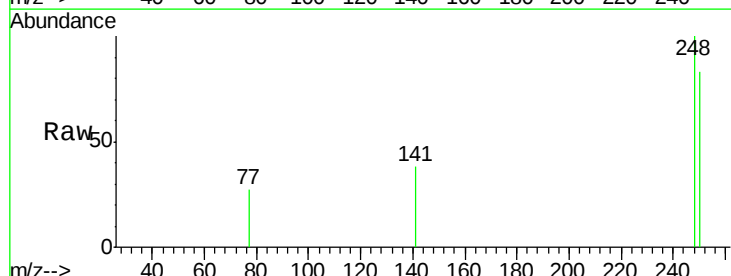
Manual Integrations
 APPROVED

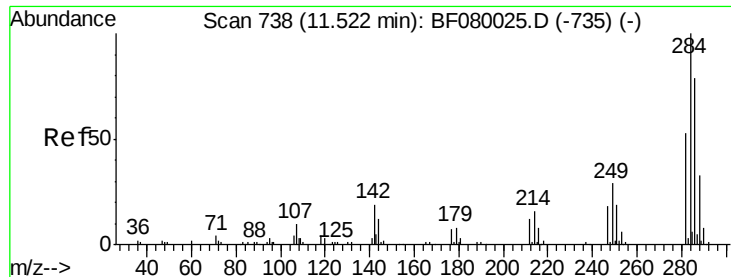
apatel
 6/22/2015 2:41:16 PM



#66
 4-Bromophenyl-phenylether
 Concen: 0.65 ng
 RT: 11.43 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
248	100		
250	82.6	78.5	117.7
141	38.3	59.0	88.6#





#67

Hexachlorobenzene

Concen: 0.67 ng

RT: 11.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF080072.D

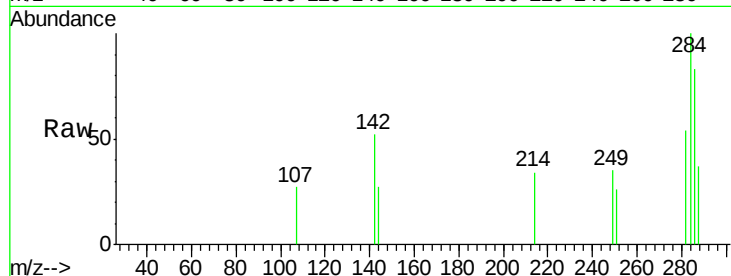
Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

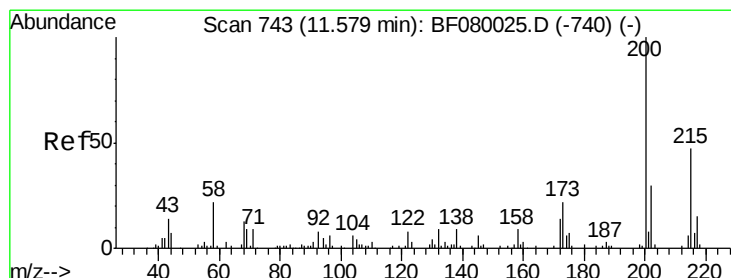
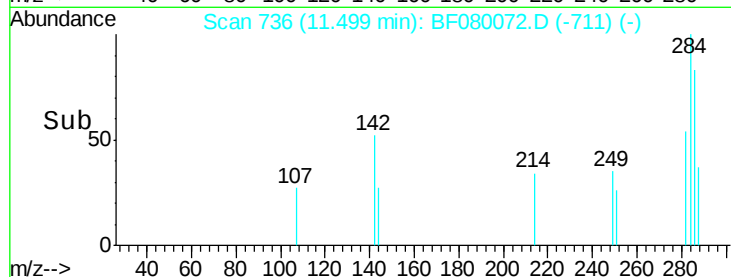
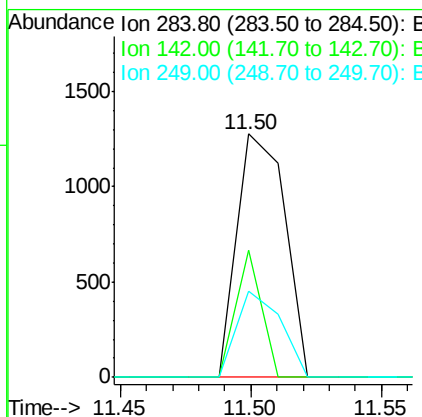
LOD-SOIL2015-01



Tgt Ion:	284	Resp:	1646
Ion Ratio	Lower	Upper	
284	100		
142	52.1	29.5	44.3#
249	35.2	19.5	29.3#

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#68

Atrazine

Concen: 0.50 ng

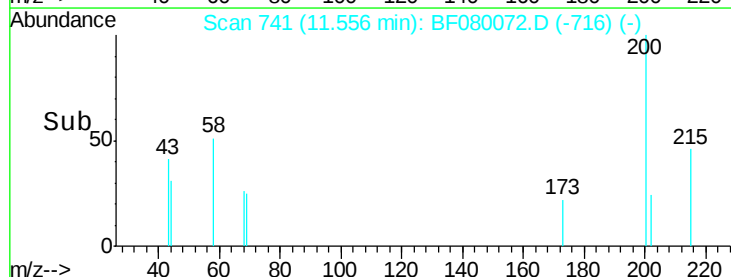
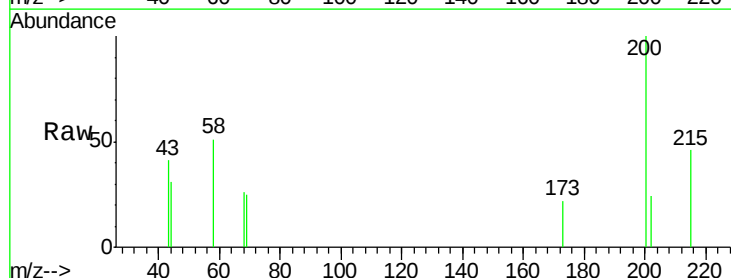
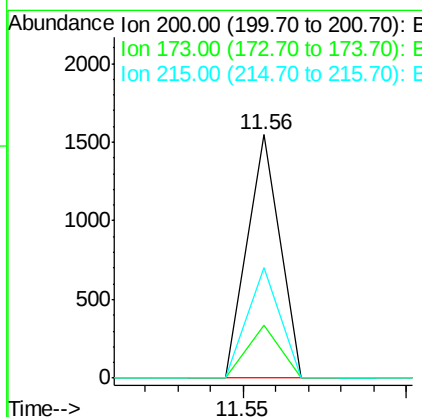
RT: 11.56 min Scan# 741

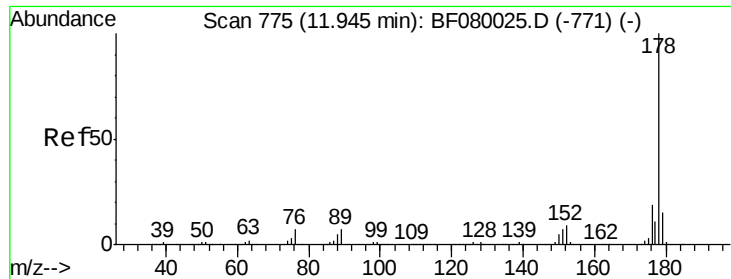
Delta R.T. -0.01 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Tgt Ion:	200	Resp:	1062
Ion Ratio	Lower	Upper	
200	100		
173	21.8	13.2	53.2
215	45.5	41.8	81.8





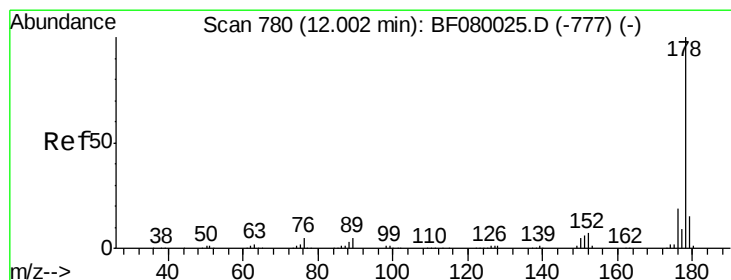
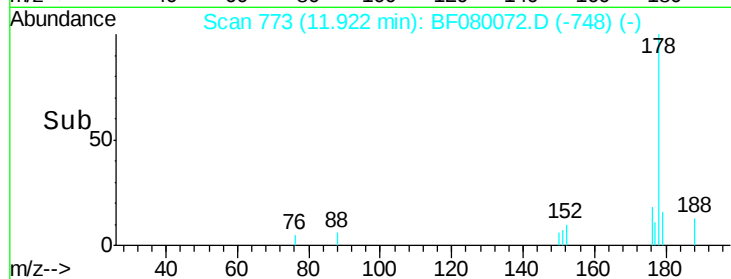
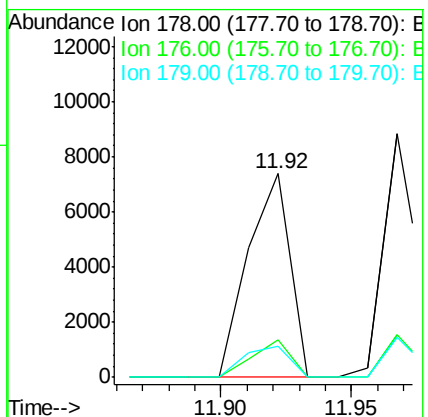
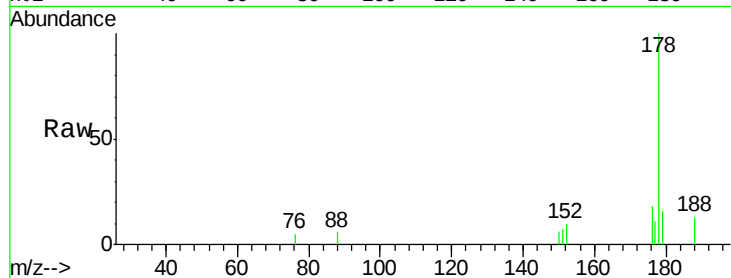
#70
Phenanthrene
Concen: 0.66 ng
RT: 11.92 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	13.8	20.8
179	15.6	12.2	18.2

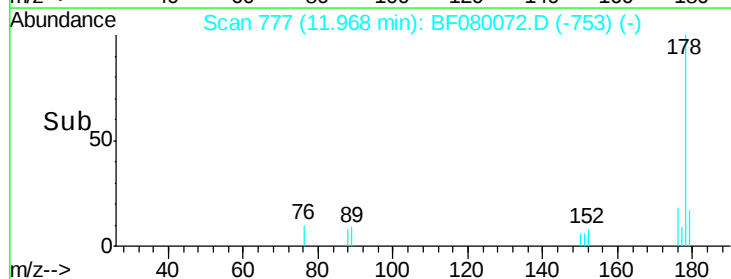
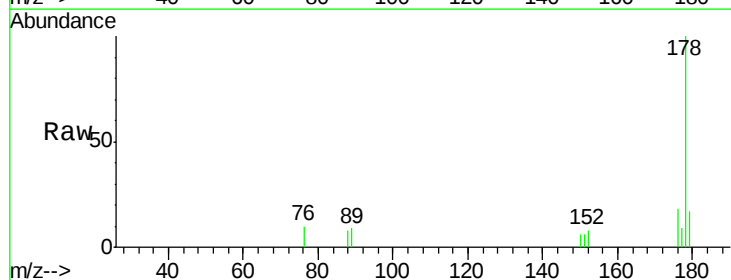
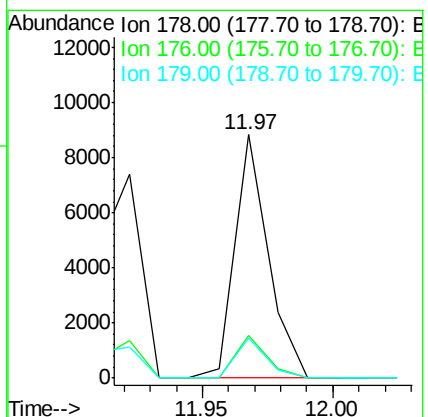
Manual Integrations
APPROVED

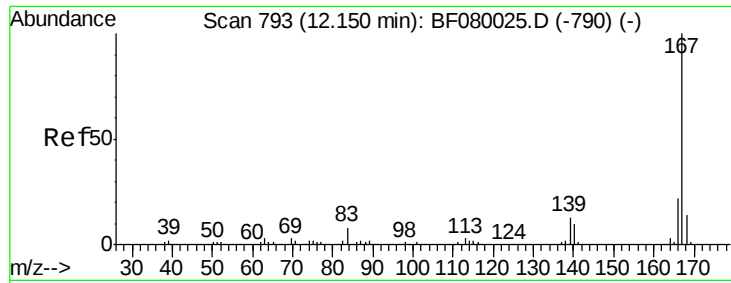
apatel
6/22/2015 2:41:16 PM



#71
Anthracene
Concen: 0.66 ng
RT: 11.97 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

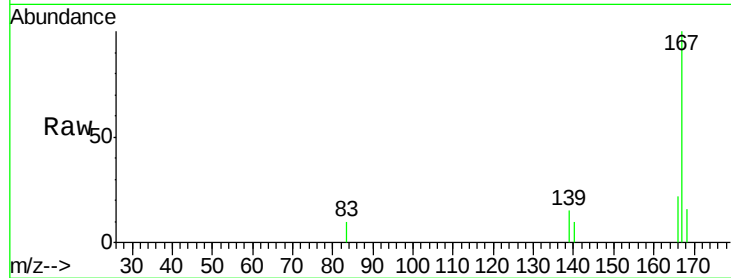
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.1	21.1
179	16.7	12.2	18.2





#72
 Carbazole
 Concen: 0.55 ng
 RT: 12.12 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

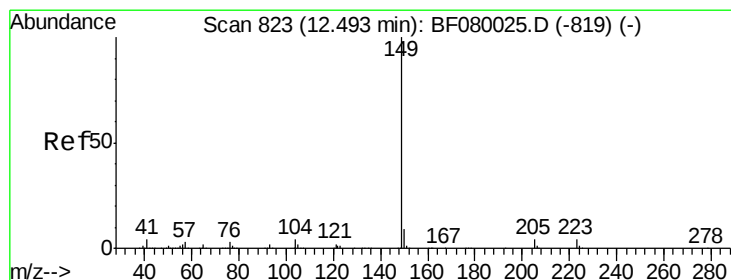
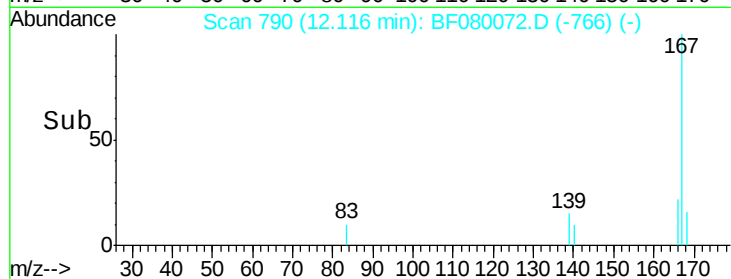
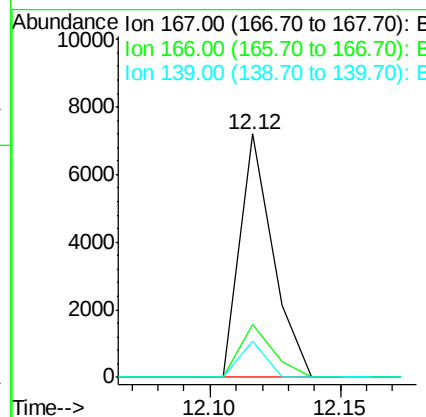
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01



Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	15.7	23.5
139	14.7	9.5	14.3

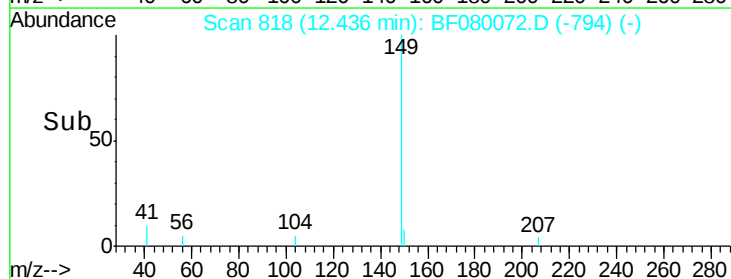
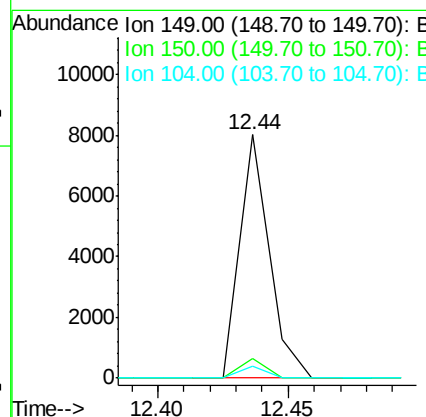
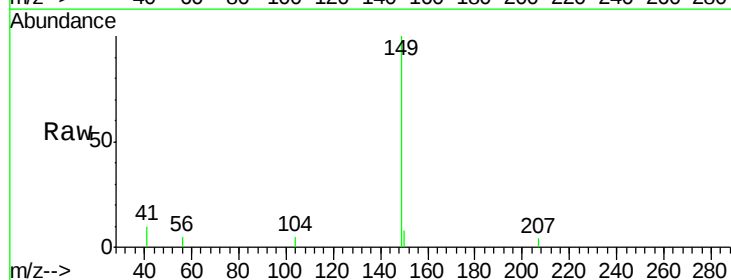
Manual Integrations
 APPROVED

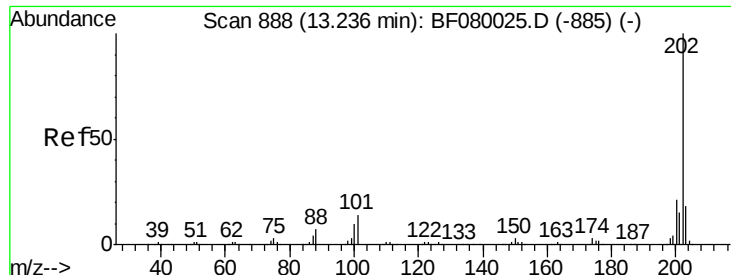
apatel
 6/22/2015 2:41:16 PM



#73
 Di-n-butylphthalate
 Concen: 0.48 ng
 RT: 12.44 min Scan# 818
 Delta R.T. -0.02 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
149	100		
150	7.8	7.4	11.2
104	4.7	2.4	3.6





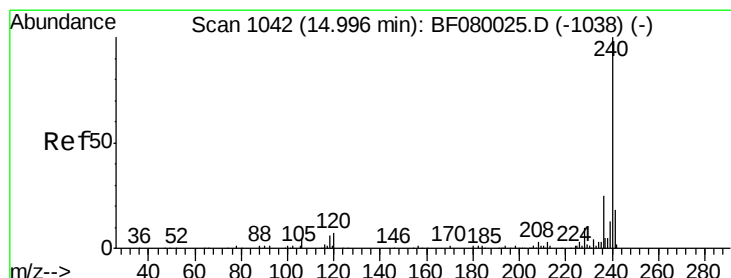
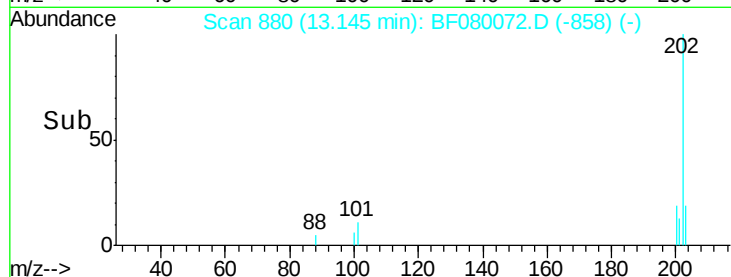
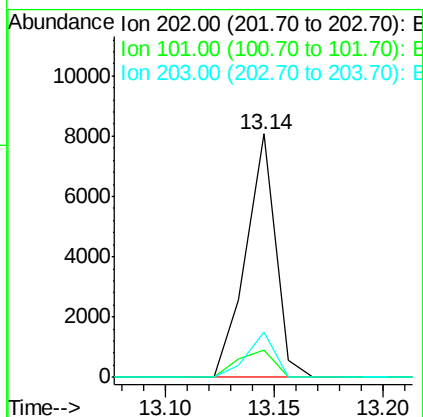
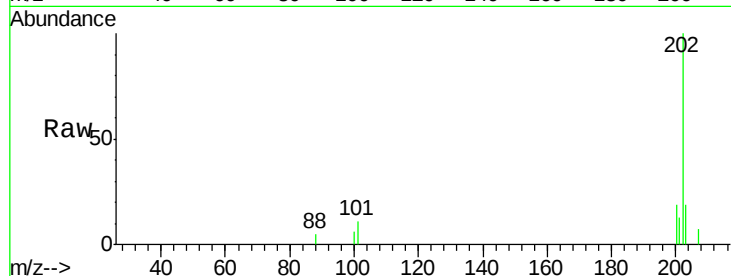
#74
 Fluoranthene
 Concen: 0.57 ng
 RT: 13.14 min Scan# 880
 Delta R.T. -0.05 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.2	0.0	38.3
203	18.6	0.0	37.3

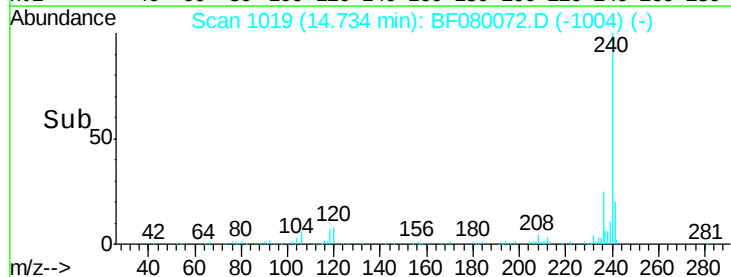
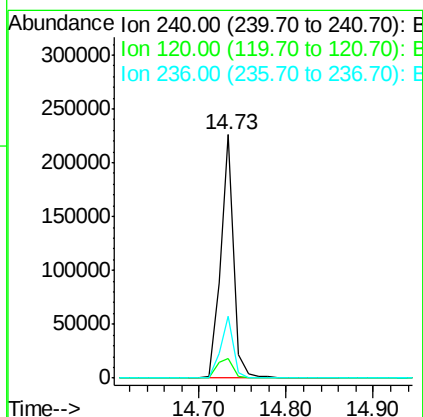
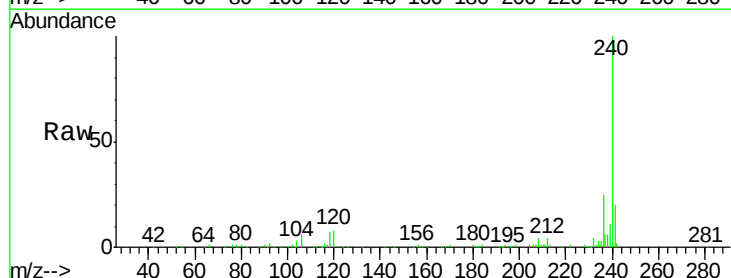
Manual Integrations
 APPROVED

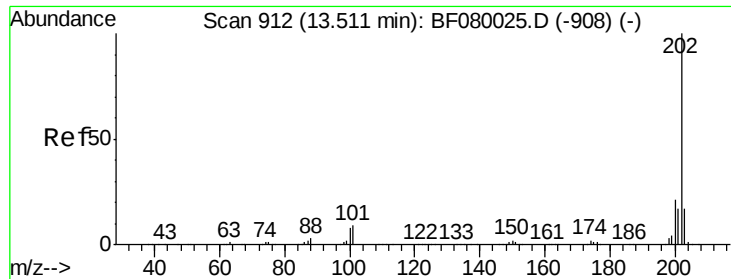
apatel
 6/22/2015 2:41:16 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.73 min Scan# 1019
 Delta R.T. -0.13 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	8.2	16.2	24.2#
236	25.4	18.4	27.6





#77

Pyrene

Concen: 0.57 ng

RT: 13.38 min Scan# 901

Delta R.T. -0.06 min

Lab File: BF080072.D

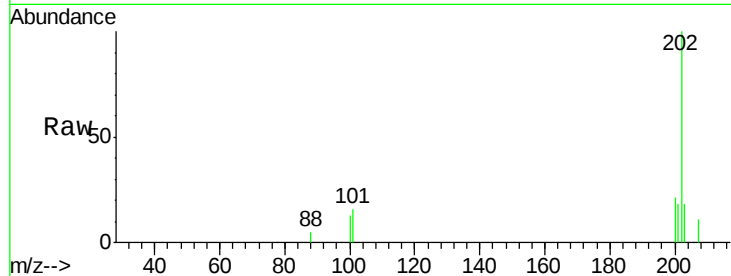
Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

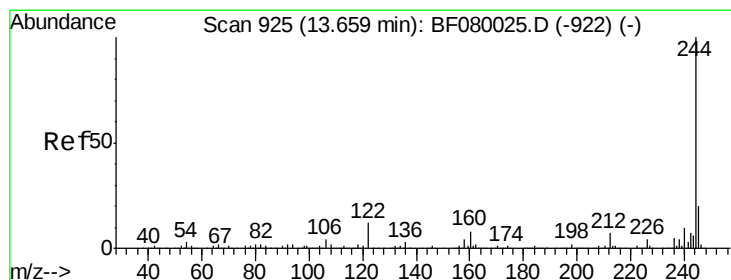
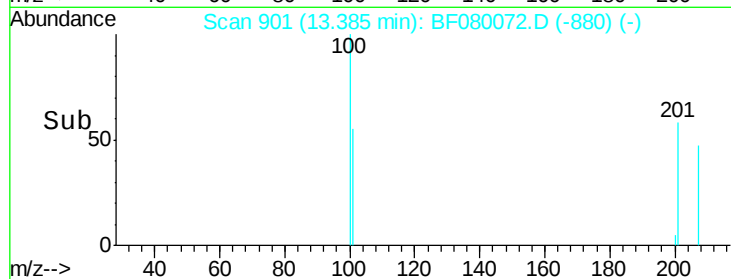
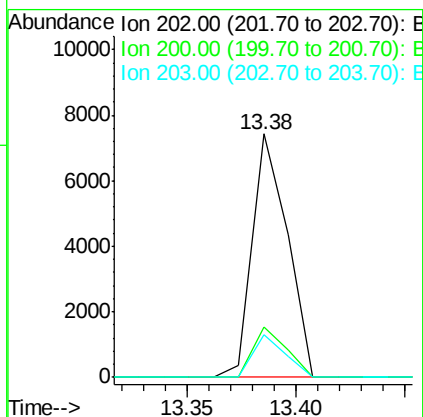
LOD-SOIL2015-01



Tgt Ion:	202	Resp:	8325
Ion Ratio	Lower	Upper	
202	100		
200	20.7	15.0	22.4
203	17.6	14.1	21.1

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#78

Terphenyl-d14

Concen: 65.66 ng

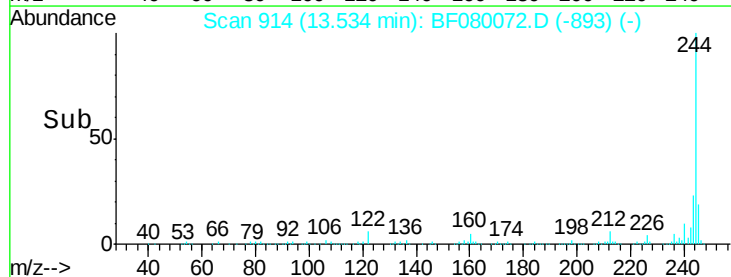
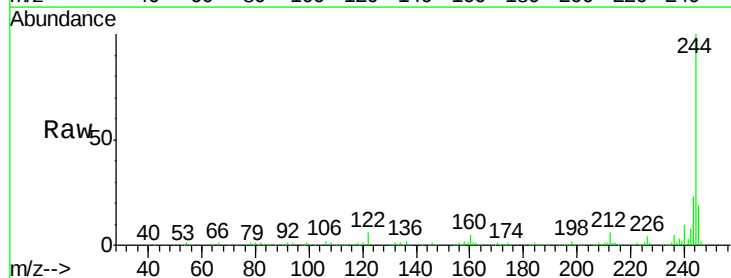
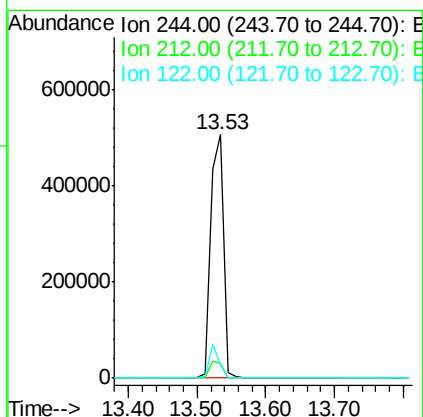
RT: 13.53 min Scan# 914

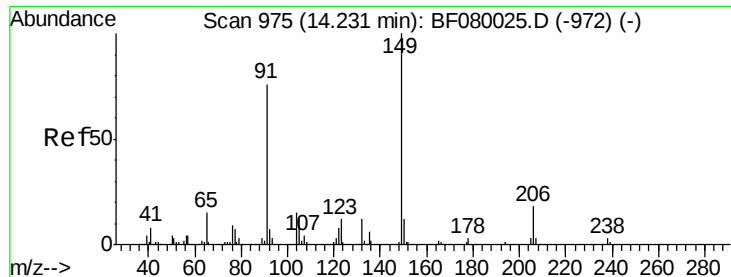
Delta R.T. -0.06 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Tgt Ion:	244	Resp:	666326
Ion Ratio	Lower	Upper	
244	100		
212	5.9	4.3	6.5
122	5.5	17.4	26.2#





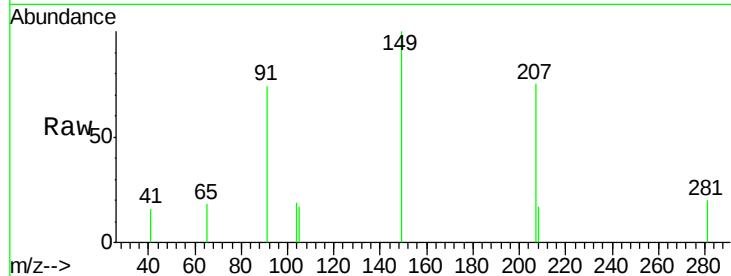
#79
Butylbenzylphthalate
Concen: 0.33 ng
RT: 14.04 min Scan# 958
Delta R.T. -0.10 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

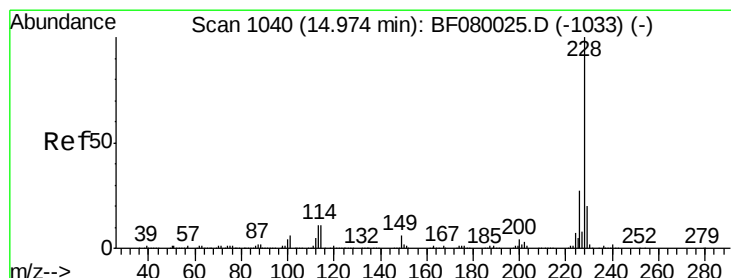
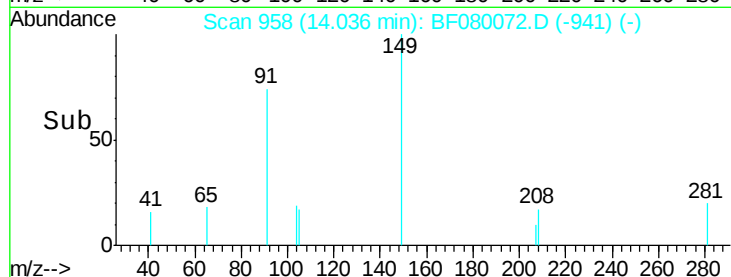
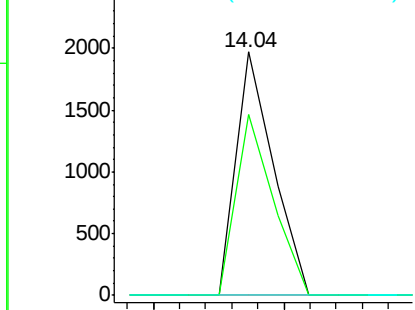
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1957		
91	74.3	48.6	72.8#	
206	0.0	14.9	22.3#	

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM

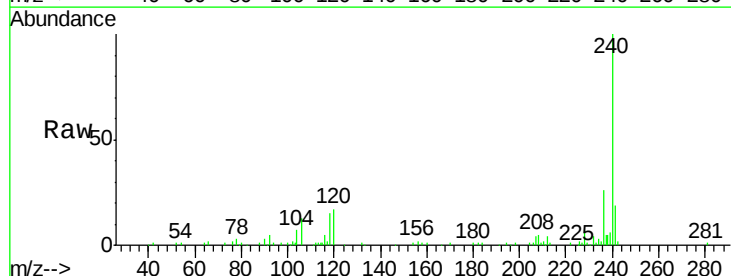


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

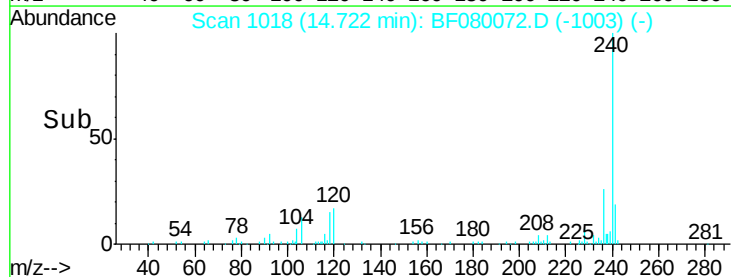
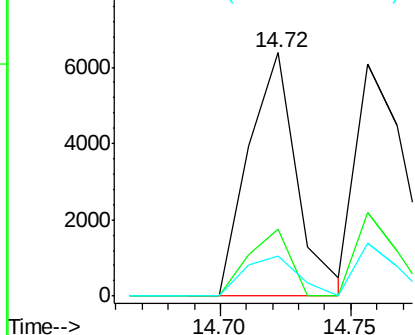


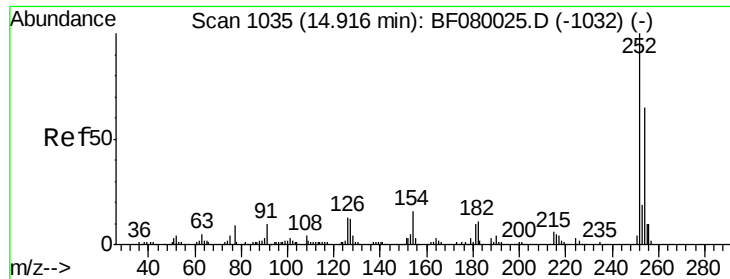
#80
Benzo(a)anthracene
Concen: 0.58 ng
RT: 14.72 min Scan# 1018
Delta R.T. -0.13 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	8316		
226	27.3	20.0	30.0	
229	16.5	15.4	23.2	



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





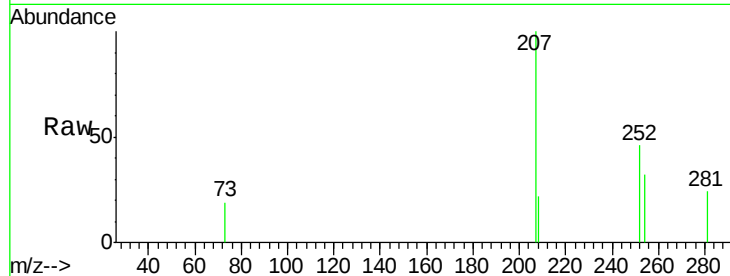
#81
 3,3'-Dichlorobenzidine
 Concen: 0.16 ng
 RT: 14.67 min Scan# 1013
 Delta R.T. -0.13 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

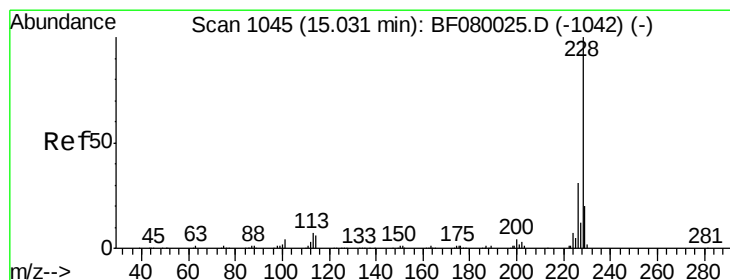
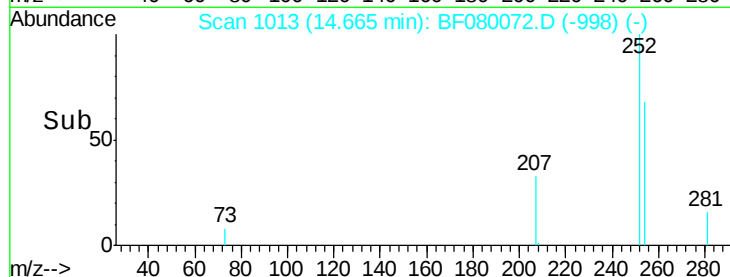
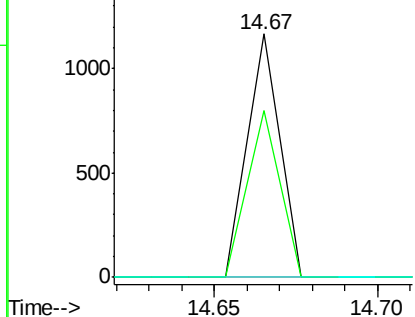
Tgt Ion	Ratio	Lower	Upper
252	100		
254	68.3	51.4	77.2
126	0.0	16.4	24.6

Manual Integrations
 APPROVED

apatel
 6/22/2015 2:41:16 PM

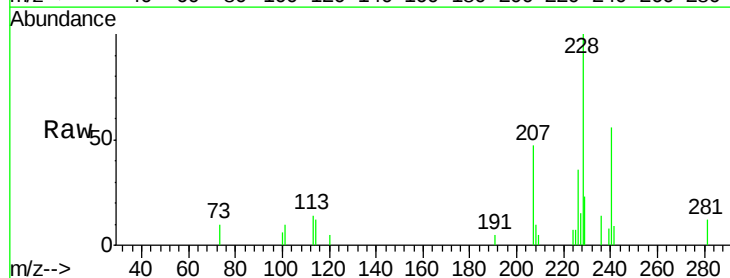


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

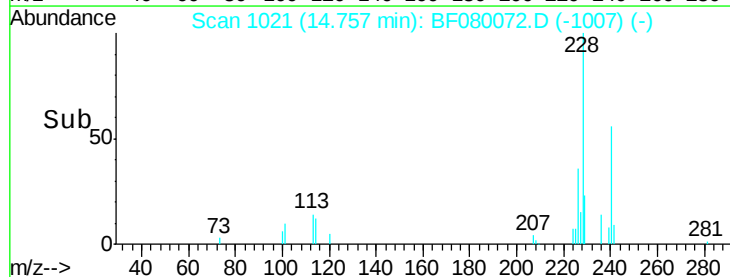
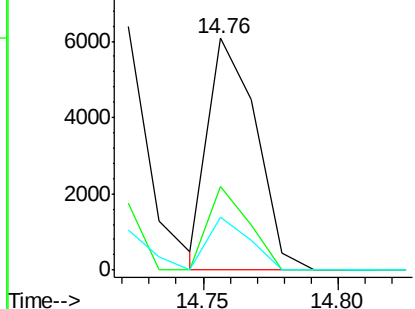


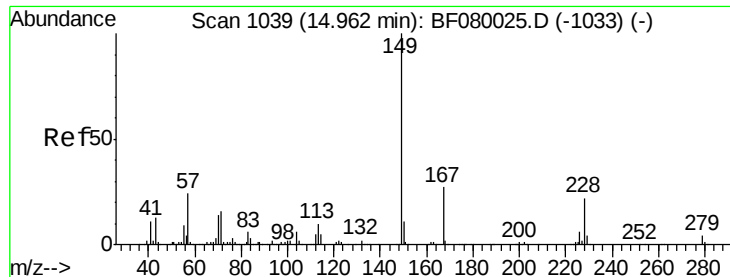
#82
 Chrysene
 Concen: 0.57 ng m
 RT: 14.76 min Scan# 1021
 Delta R.T. -0.14 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.9	21.0	31.4
229	23.1	15.6	23.4



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.31 ng

RT: 14.69 min Scan# 1015

Delta R.T. -0.14 min

Lab File: BF080072.D

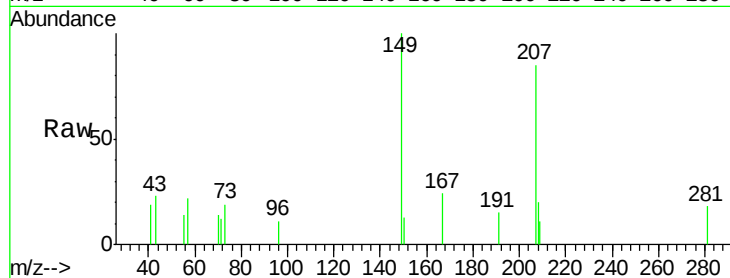
Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

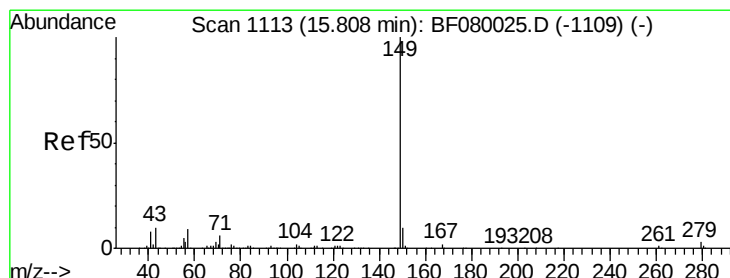
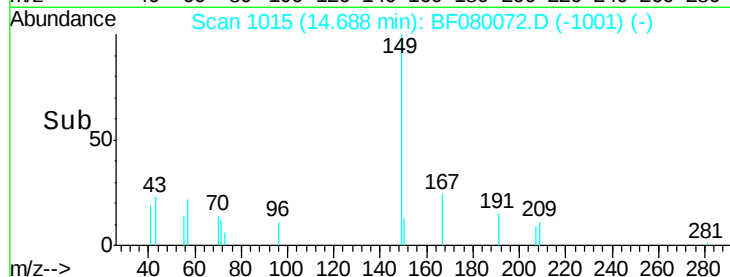
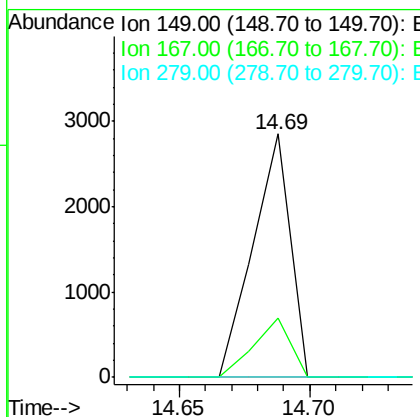
LOD-SOIL2015-01



Tgt Ion:	149	Resp:	2865
Ion Ratio	Lower	Upper	
149	100		
167	24.3	24.2	36.2
279	0.0	3.8	5.6#

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#84

Di-n-octyl phthalate

Concen: 0.25 ng

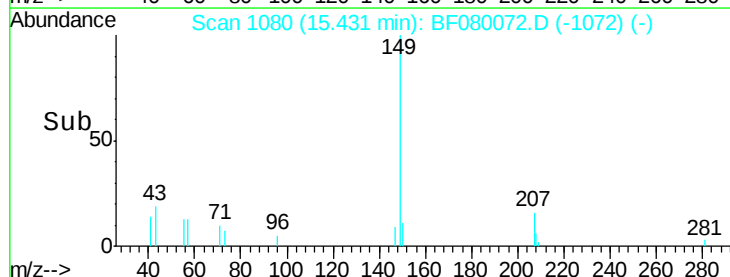
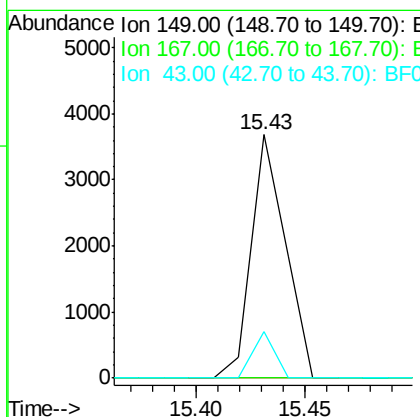
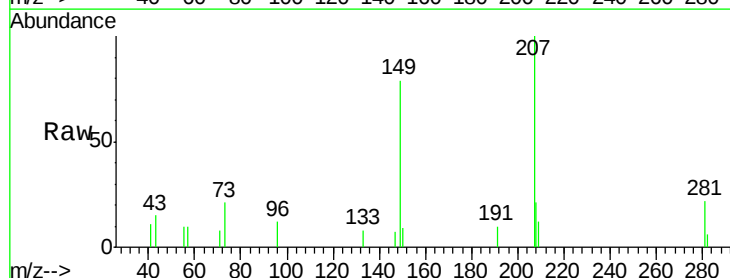
RT: 15.43 min Scan# 1080

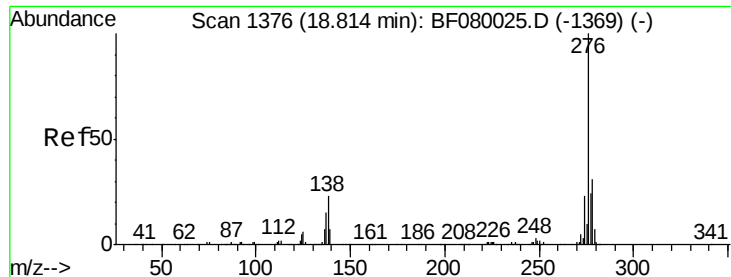
Delta R.T. -0.21 min

Lab File: BF080072.D

Acq: 20 Jun 2015 00:43

Tgt Ion:	149	Resp:	4005
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.0	1.6#
43	11.9	10.2	15.2





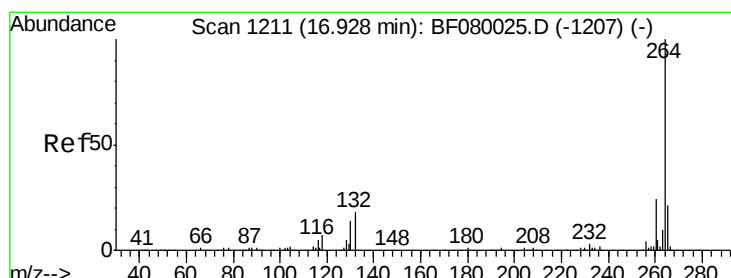
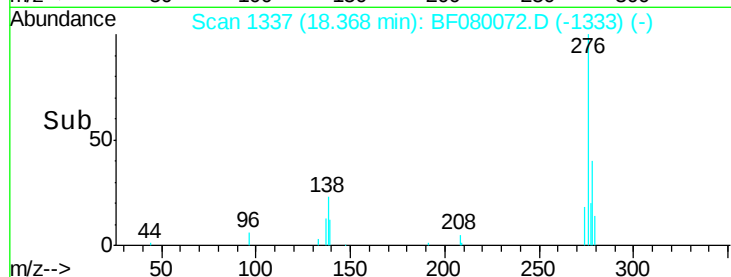
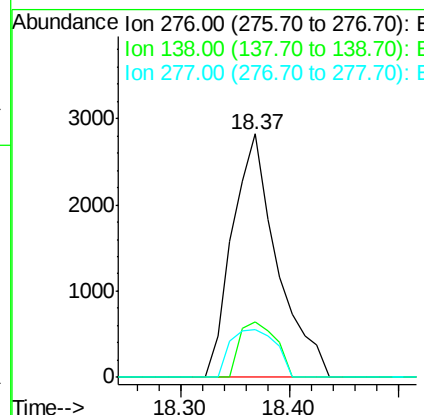
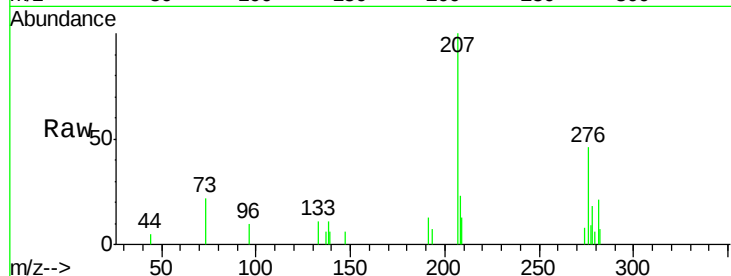
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.48 ng
 RT: 18.37 min Scan# 1337
 Delta R.T. -0.25 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	25.7	38.5#
277	20.0	15.6	23.4

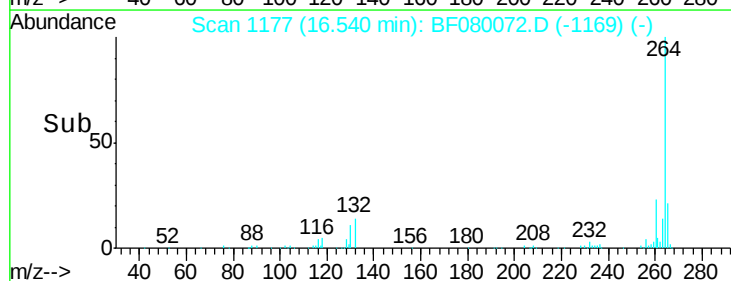
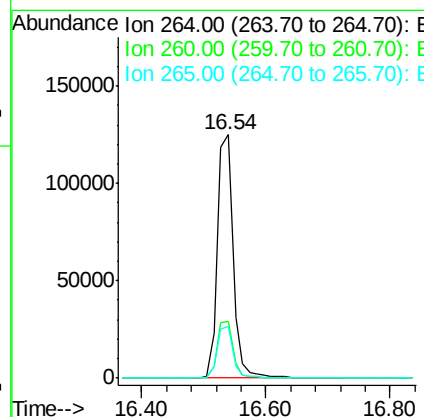
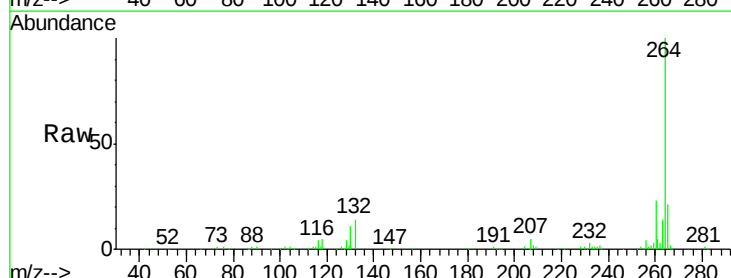
Manual Integrations
 APPROVED

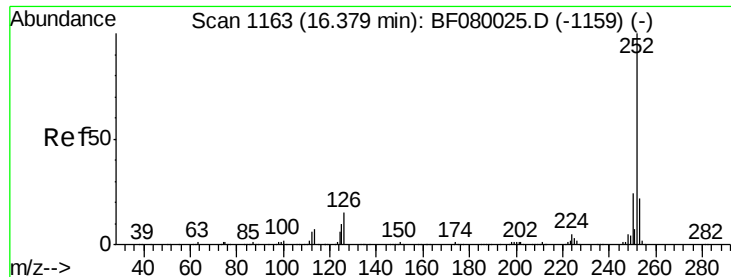
apatel
 6/22/2015 2:41:16 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.54 min Scan# 1177
 Delta R.T. -0.21 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	16.7	25.1
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 0.55 ng

RT: 16.00 min Scan# 1130

Delta R.T. -0.21 min

Lab File: BF080072.D

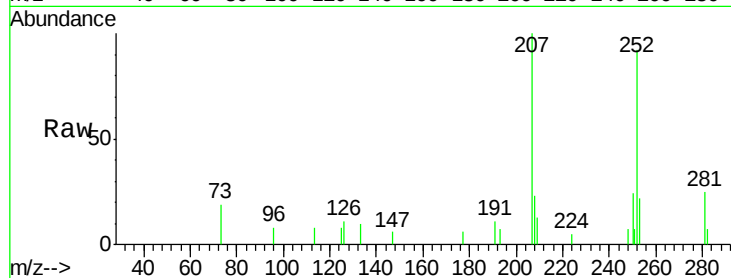
Acq: 20 Jun 2015 00:43

Instrument :

BNA_F

ClientSampleId :

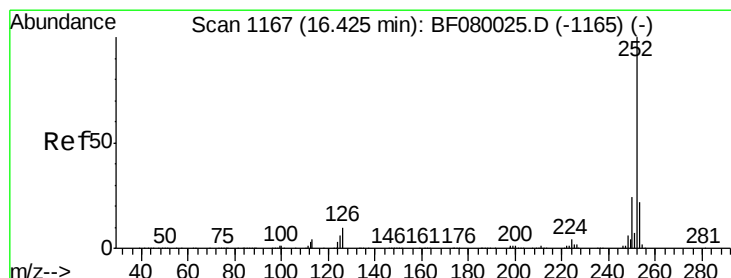
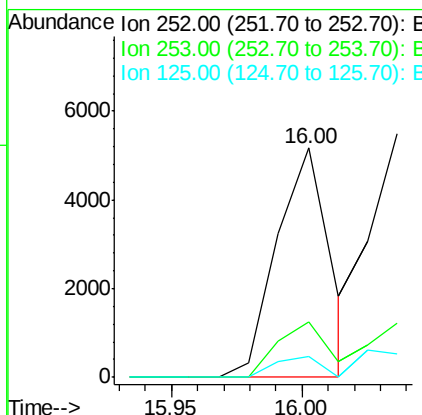
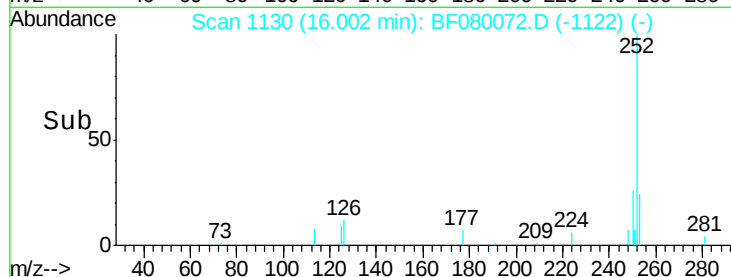
LOD-SOIL2015-01



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	9.1	17.1	25.7#

Manual Integrations
APPROVED

apatel
6/22/2015 2:41:16 PM



#88

Benzo(k)fluoranthene

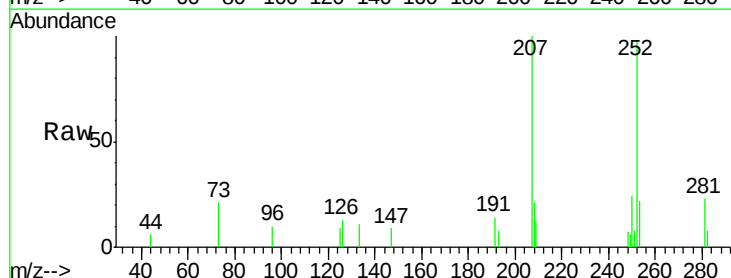
Concen: 0.57 ng m

RT: 16.04 min Scan# 1133

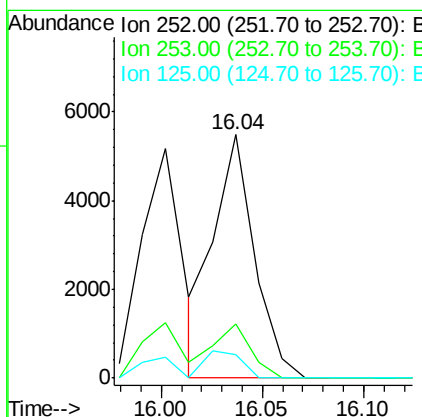
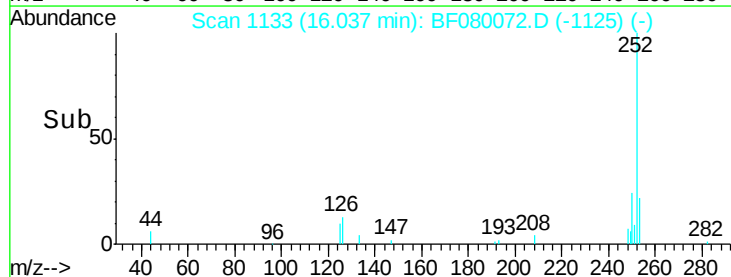
Delta R.T. -0.21 min

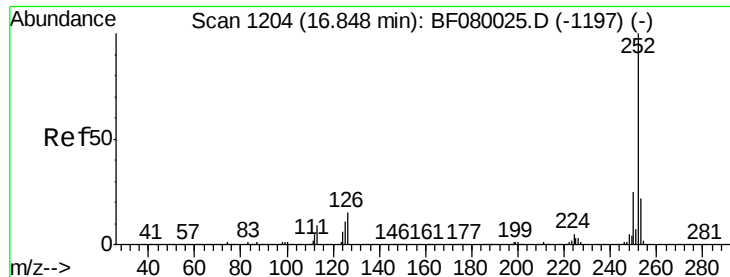
Lab File: BF080072.D

Acq: 20 Jun 2015 00:43



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	9.6	16.0	24.0#





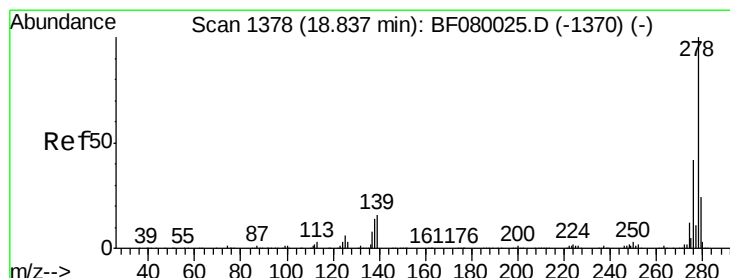
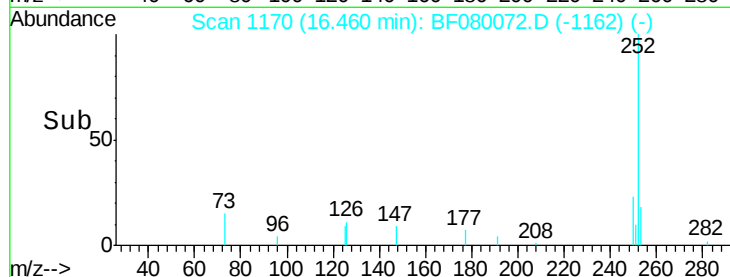
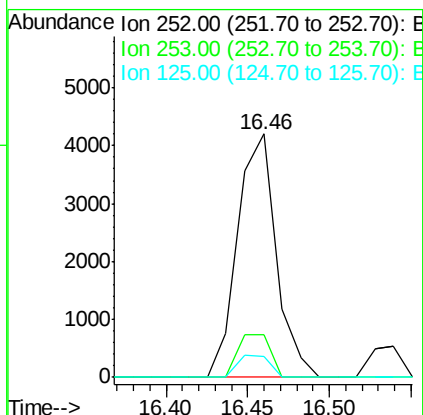
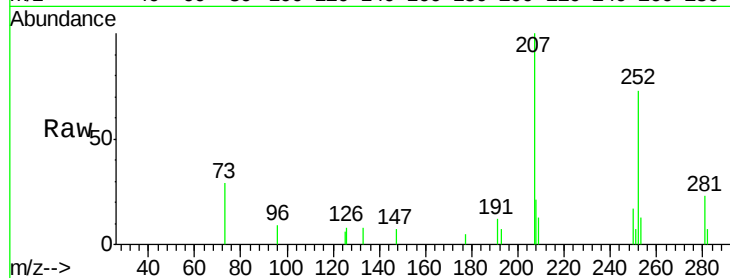
#89
Benzo(a)pyrene
Concen: 0.55 ng
RT: 16.46 min Scan# 1170
Delta R.T. -0.21 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	17.8	17.2	25.8
125	8.5	18.0	27.0

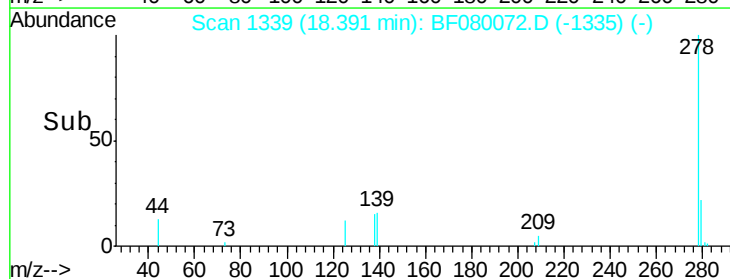
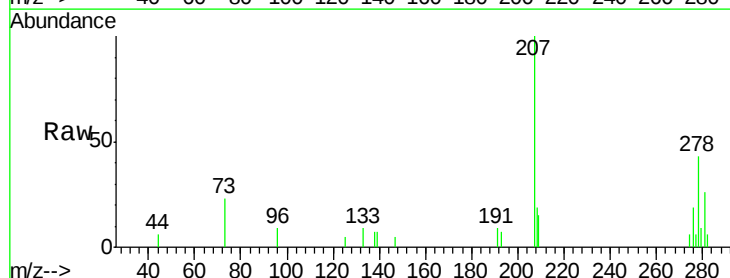
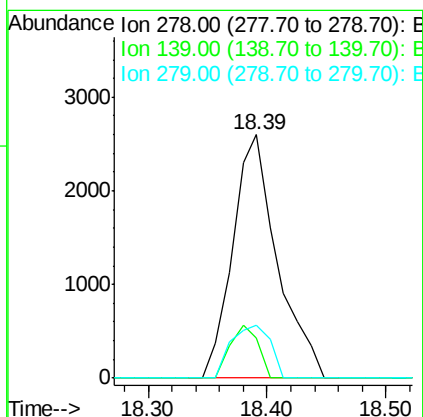
Manual Integrations
APPROVED

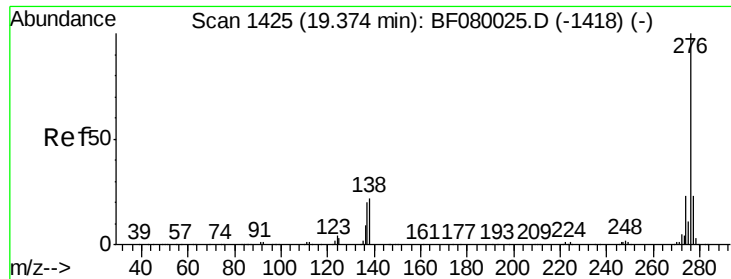
apatel
6/22/2015 2:41:16 PM



#90
Dibenzo(a,h)anthracene
Concen: 0.53 ng
RT: 18.39 min Scan# 1339
Delta R.T. -0.25 min
Lab File: BF080072.D
Acq: 20 Jun 2015 00:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.4	26.3	39.5
279	21.9	18.2	27.4





#91
 Benzo(g,h,i)perylene
 Concen: 0.52 ng
 RT: 18.92 min Scan# 1385
 Delta R.T. -0.26 min
 Lab File: BF080072.D
 Acq: 20 Jun 2015 00:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.3	17.8	26.6
138	18.4	34.6	51.8

Manual Integrations
 APPROVED

apatel
 6/22/2015 2:41:16 PM

