

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF088986.D
 Acq On : 14 Jul 2016 14:51
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-2PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Manual Integrations

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 7/15/2016 9:16:21 AM

Quant Time: Jul 15 02:15:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	70674	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	273074	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	137184	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	261619	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	243863	20.00	ng	-0.03
86) Perylene-d12	15.18	264	196620	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	492195	104.37	ng	0.00
7) Phenol-d6	6.34	99	673295	110.50	ng	-0.01
23) Nitrobenzene-d5	7.26	82	416644	79.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	118114	92.72	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	736504	84.80	ng	-0.02
78) Terphenyl-d14	12.78	244	599262	54.73	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	2.86	42	2870	1.11	ng	# 93
25) Isophorone	7.51	82	15931	1.65	ng	96
32) Benzoic acid	7.69	122	1504	0.46	ng	# 79
40) Hexachlorocyclopentadiene	8.83	237	826	0.37	ng	89
52) 3-Nitroaniline	9.67	138	3562	1.29	ng	95
61) 4-Nitroaniline	10.26	138	3467	1.31	ng	# 76
64) 4,6-Dinitro-2-methylphenol	10.31	198	1071	0.77	ng	93
69) Pentachlorophenol	11.00	266	643	0.37	ng	95
76) Benzidine	12.51	184	3073	0.25	ng	98
81) 3,3'-Dichlorobenzidine	13.77	252	4420	0.75	ng	# 96

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

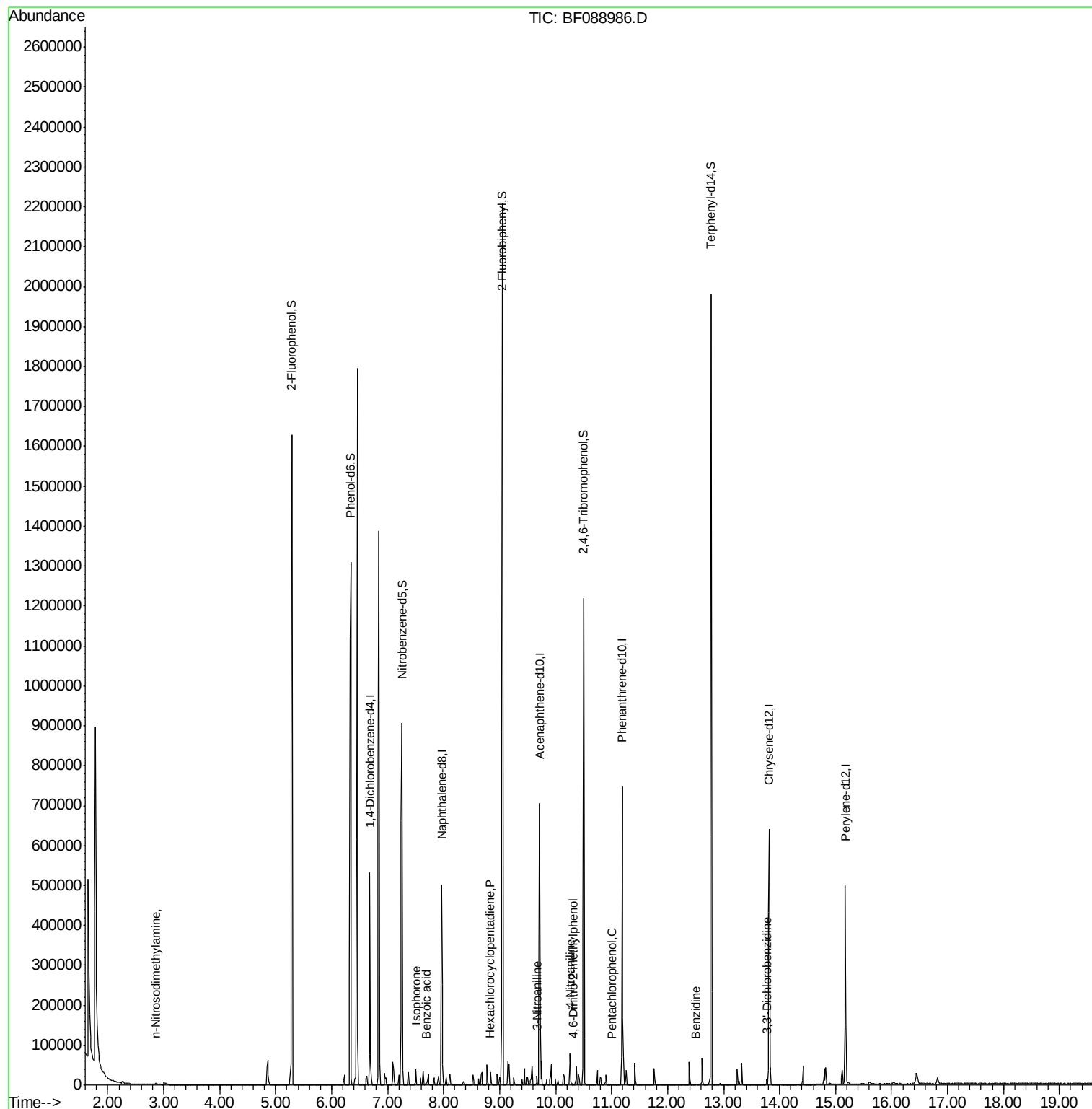
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF088986.D
Acq On : 14 Jul 2016 14:51
Operator : UM/SJ
Sample : H3606-03
Misc : LOD-2PPM
ALS Vial : 6 Sample Multiplier: 1

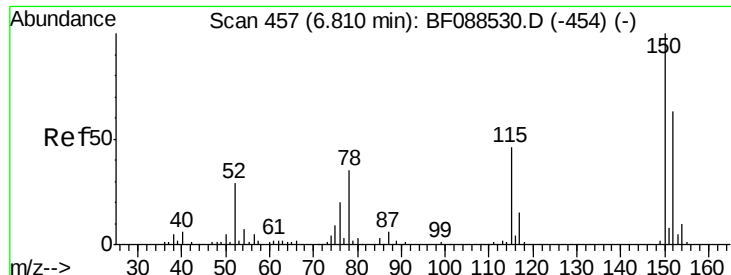
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Manual Integrations

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Quant Time: Jul 15 02:15:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:152 Resp: 70674

Ion Ratio Lower Upper

152 100

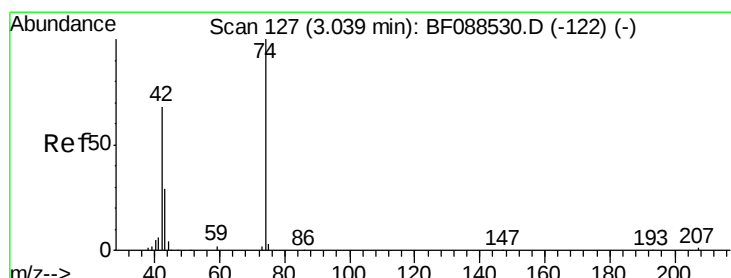
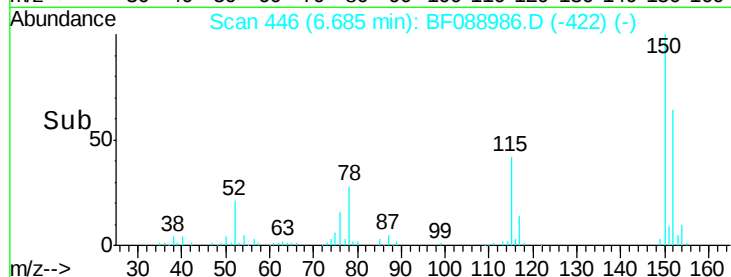
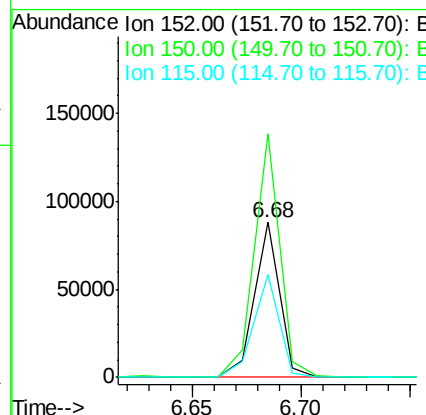
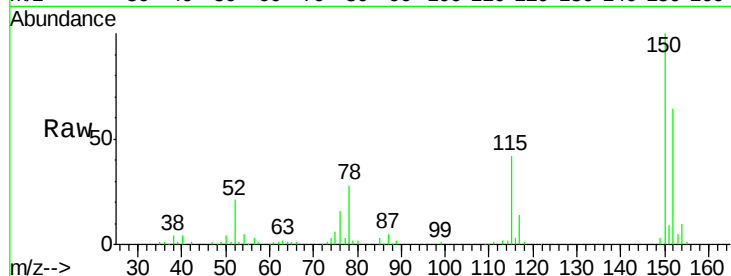
150 156.9 123.8 185.6

115 66.0 39.6 59.4#

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 1.11 ng

RT: 2.86 min Scan# 111

Delta R.T. 0.02 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

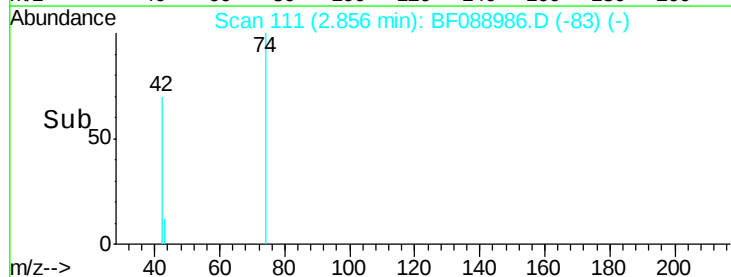
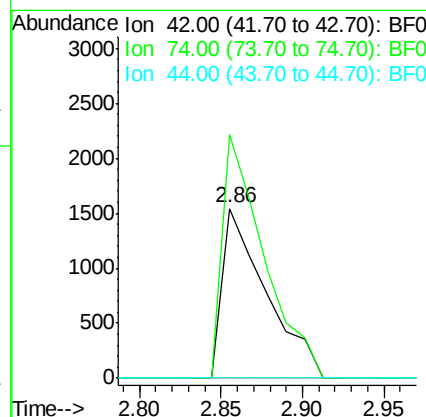
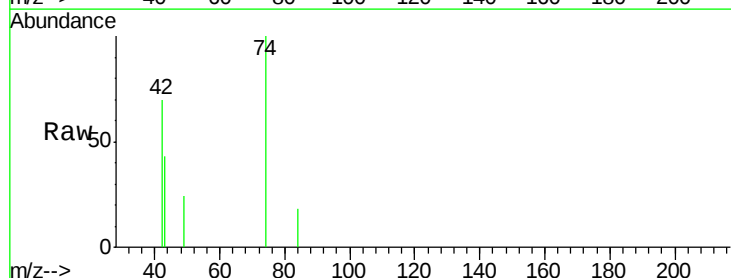
Tgt Ion: 42 Resp: 2870

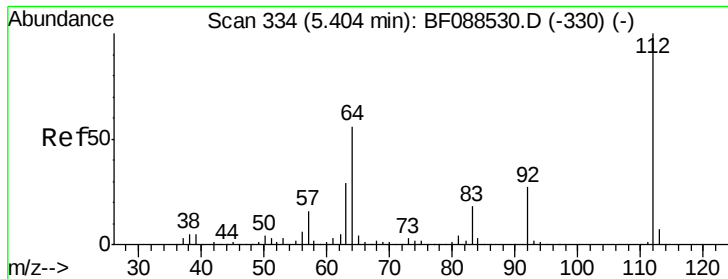
Ion Ratio Lower Upper

42 100

74 143.6 108.6 163.0

44 0.0 5.5 8.3#





#5

2-Fluorophenol

Concen: 104.37 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF088986.D

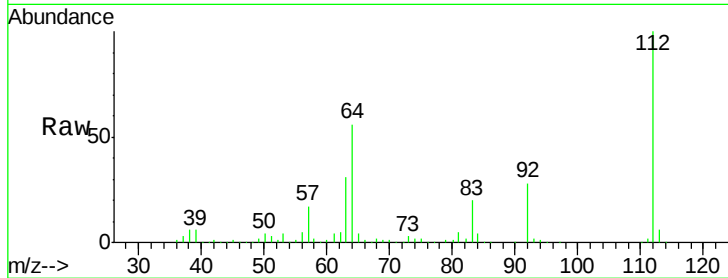
Acq: 14 Jul 2016 14:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

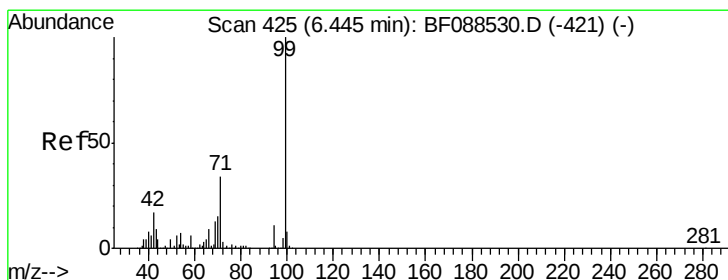
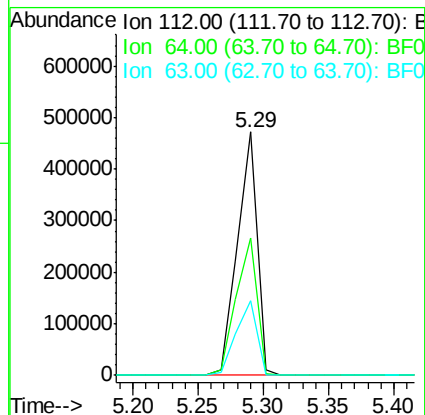
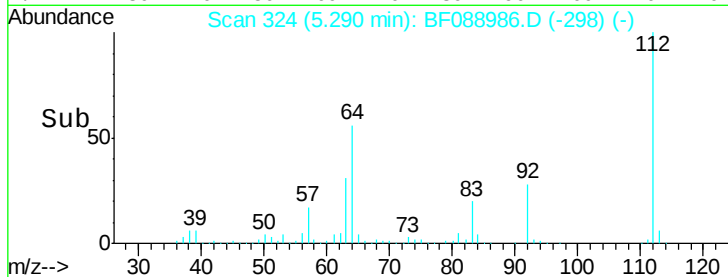


Tot Ion	Ion	Ratio	Resp	Lower	Upper
492195	112	100			
	64	56.5		42.2	63.2
	63	30.7		21.8	32.8

Manual Integrations

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#7

Phenol-d6

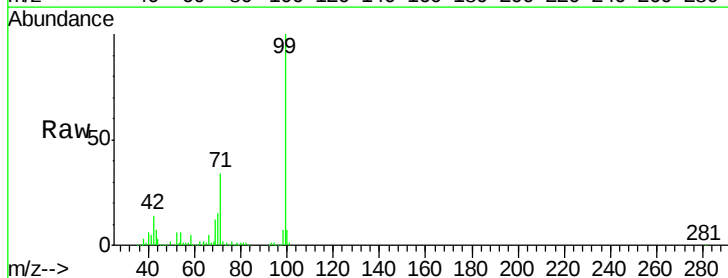
Concen: 110.50 ng

RT: 6.34 min Scan# 416

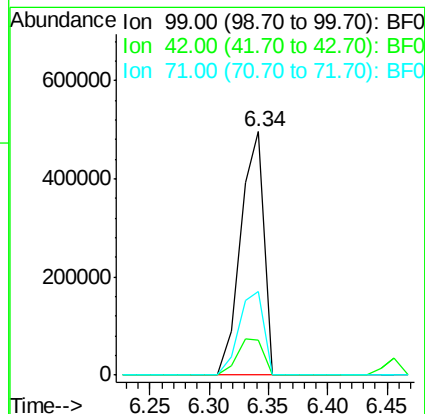
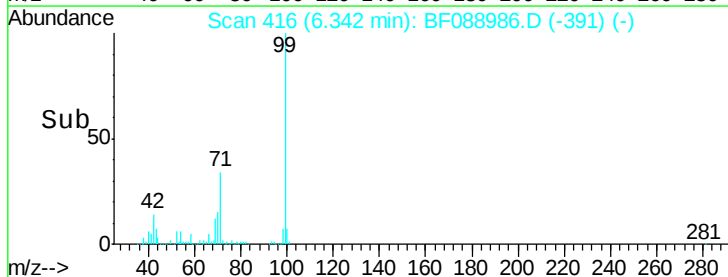
Delta R.T. -0.01 min

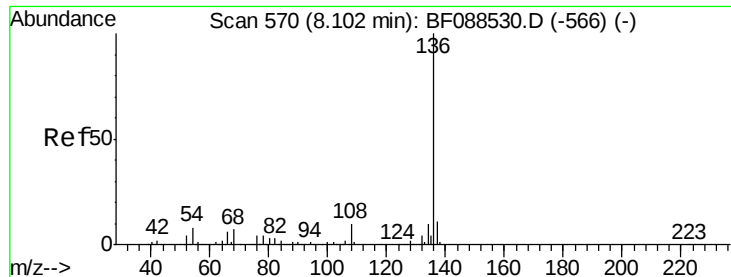
Lab File: BF088986.D

Acq: 14 Jul 2016 14:51



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
673295	99	100			
	42	14.5		12.2	18.2
	71	34.1		23.4	35.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 136 Resp: 273074

Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

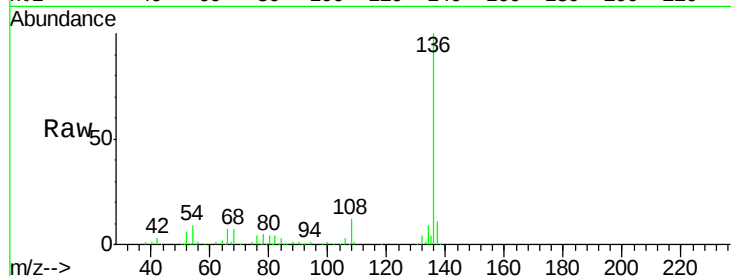
54 9.1 6.6 10.0

68 7.0 5.1 7.7

Manual Integrations

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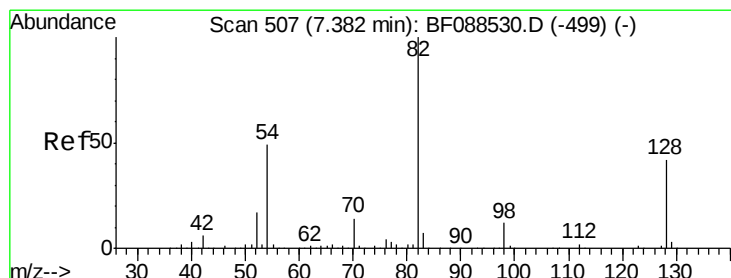
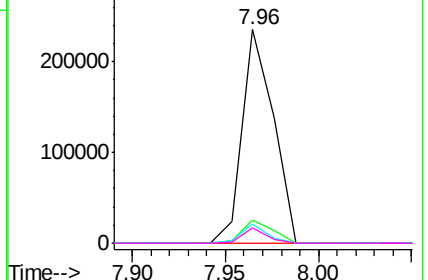
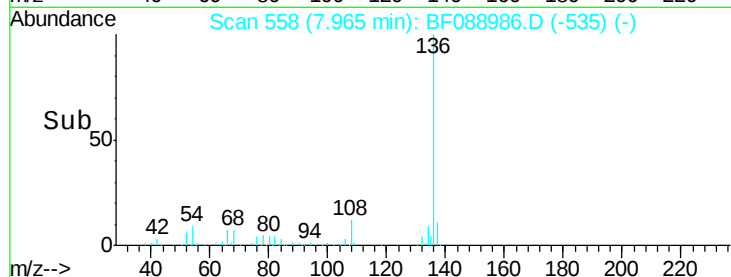


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 79.96 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

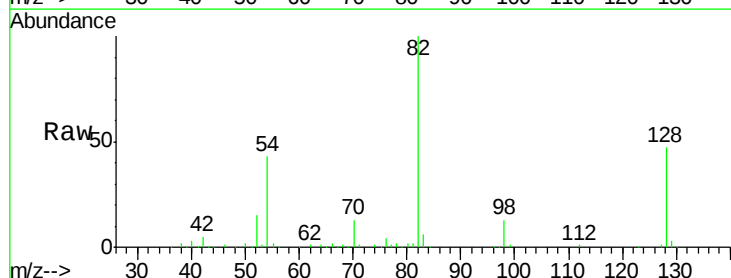
Tgt Ion: 82 Resp: 416644

Ion Ratio Lower Upper

82 100

128 47.2 35.9 53.9

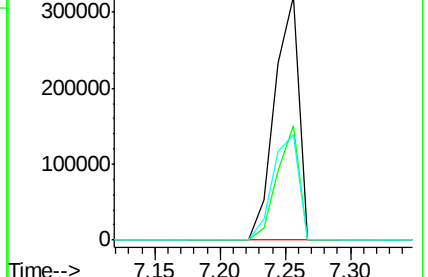
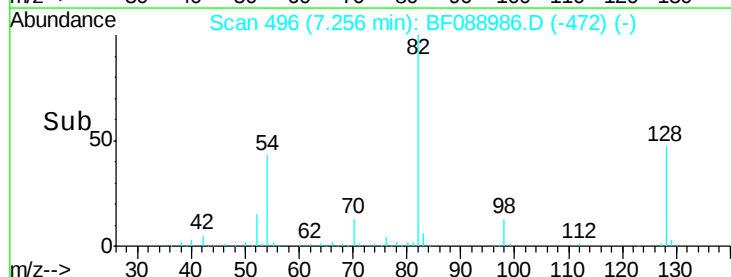
54 43.3 40.9 61.3

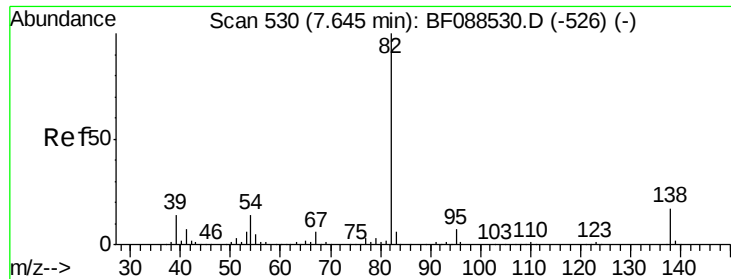


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 1.65 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

Instrument :

BNA_F

ClientSampleId :

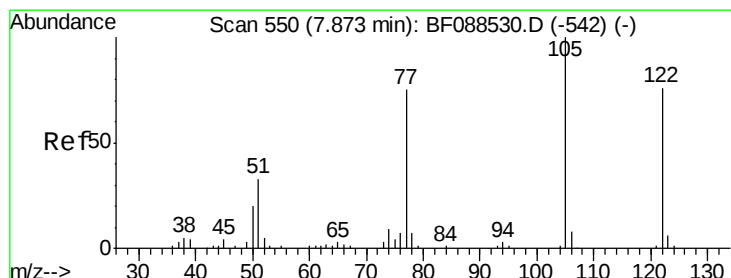
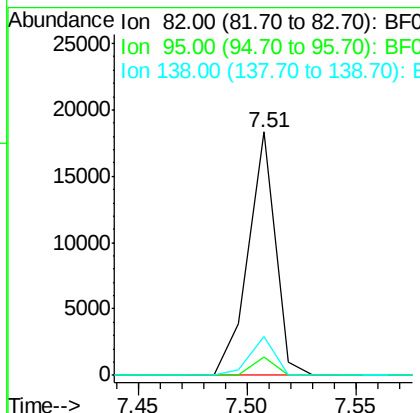
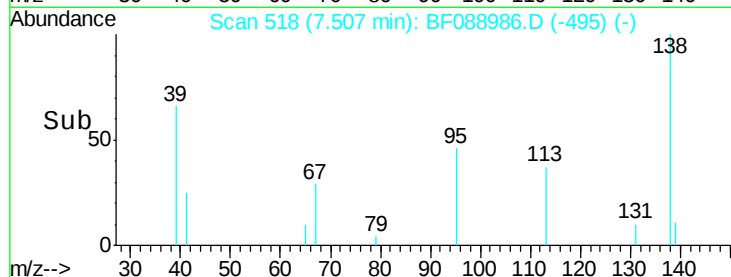
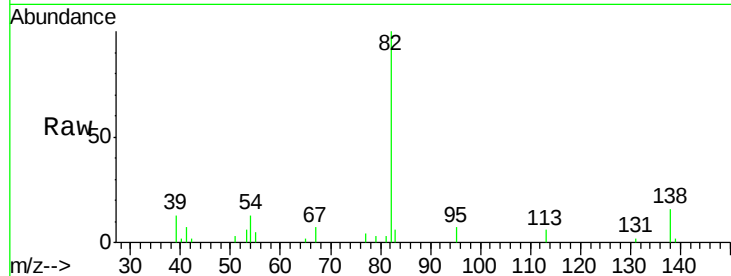
LOD-SOIL2016-01

Tot Ion:	82	Resp:	15931
Ion Ratio		Lower	Upper
82	100		
95	7.4	5.4	8.2
138	16.0	14.6	21.8

Manual Integrations

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#32

Benzoic acid

Concen: 0.46 ng

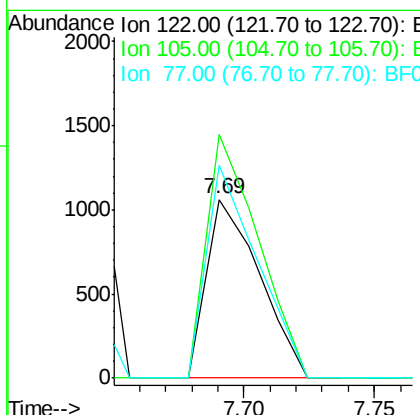
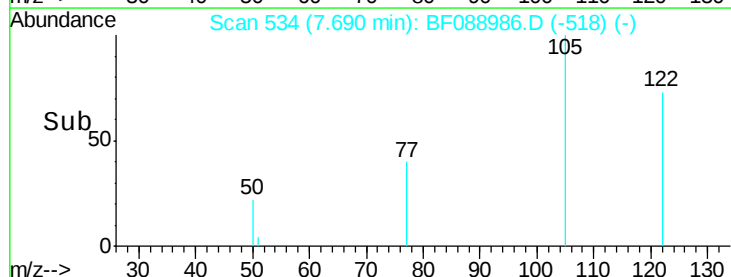
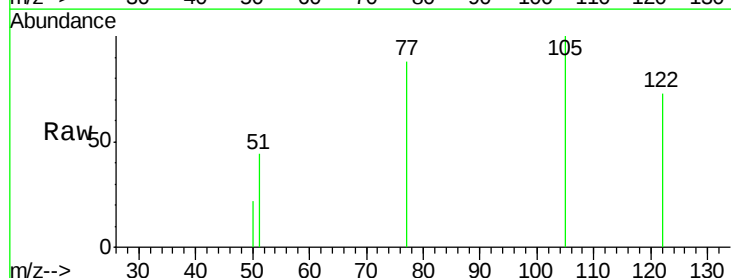
RT: 7.69 min Scan# 534

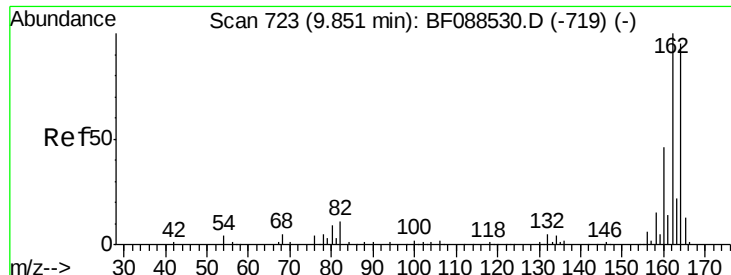
Delta R.T. -0.11 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

Tgt Ion:	122	Resp:	1504
Ion Ratio		Lower	Upper
122	100		
105	136.4	101.6	141.6
77	119.4	70.6	110.6





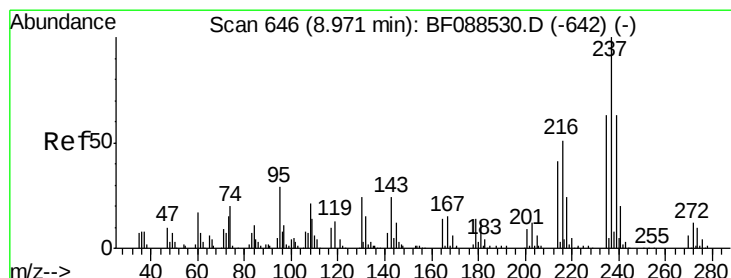
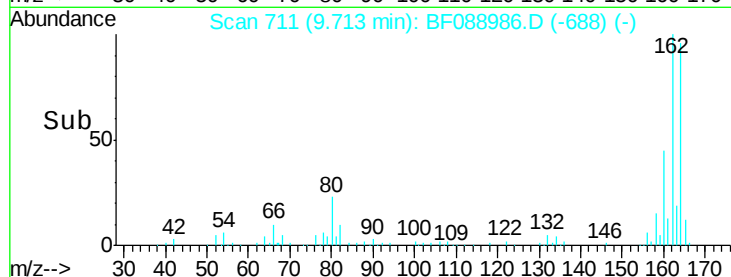
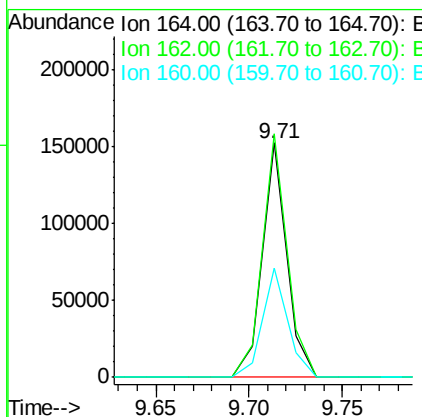
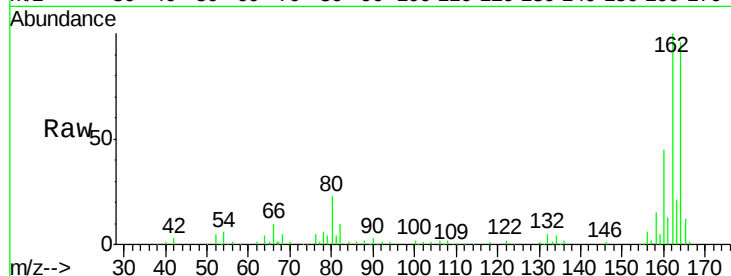
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF088986.D
Acq: 14 Jul 2016 14:51

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.4	128.2
160	46.4	39.5	59.3

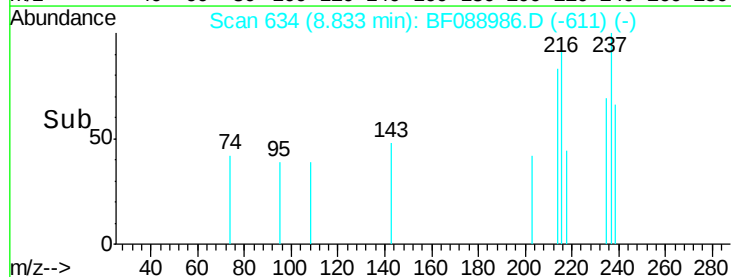
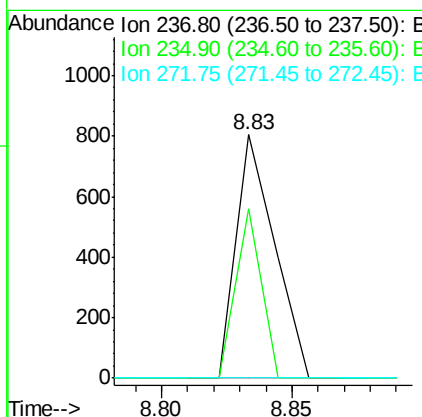
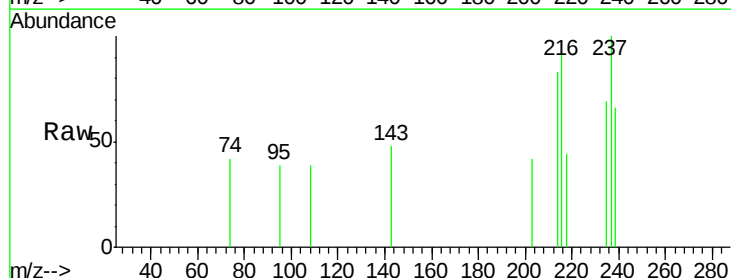
Manual Integrations

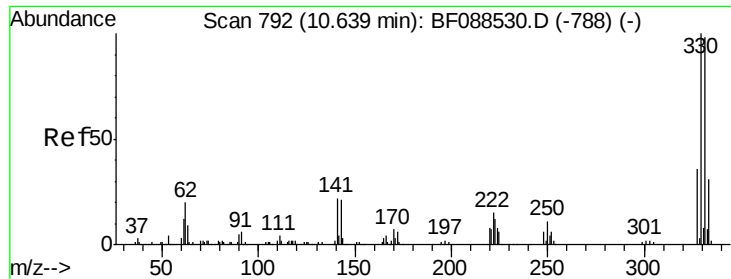
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#40
Hexachlorocyclopentadiene
Concen: 0.37 ng
RT: 8.83 min Scan# 634
Delta R.T. -0.03 min
Lab File: BF088986.D
Acq: 14 Jul 2016 14:51

Tgt Ion	Ratio	Lower	Upper
237	100		
235	69.3	43.4	83.4
272	0.0	0.0	32.3





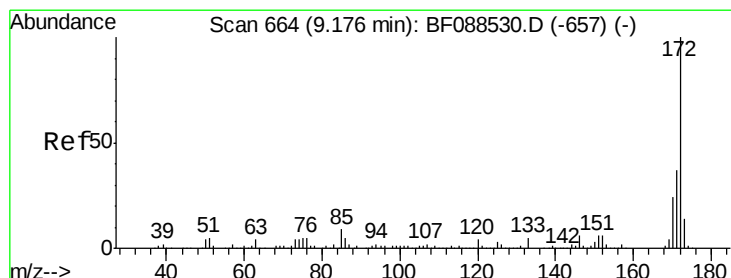
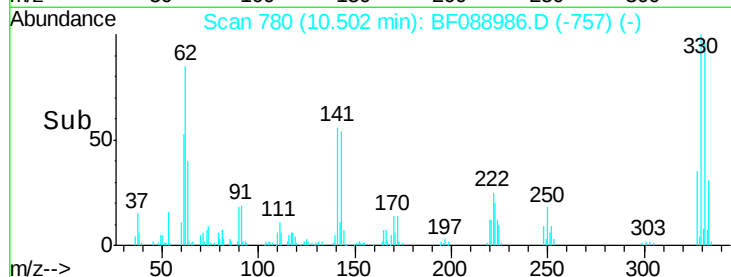
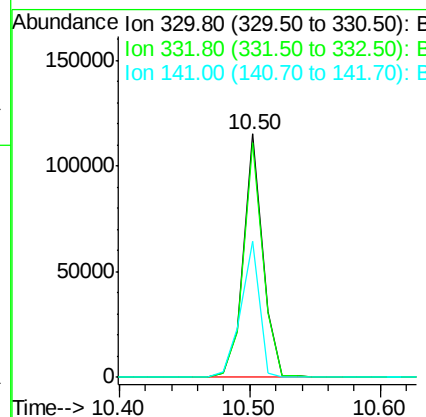
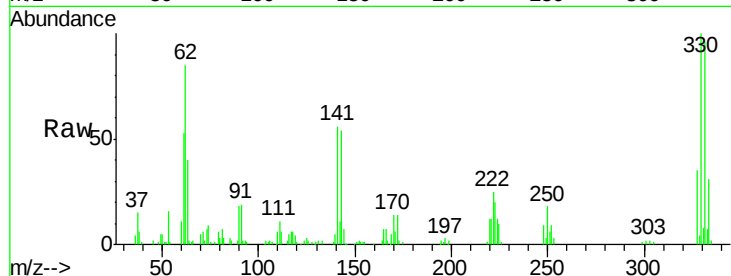
#41
 2,4,6-Tribromophenol
 Concen: 92.72 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF088986.D
 Acq: 14 Jul 2016 14:51

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100	118114		
332	96.5	0.0	0.0	0.0
141	53.9	0.0	0.0	0.0

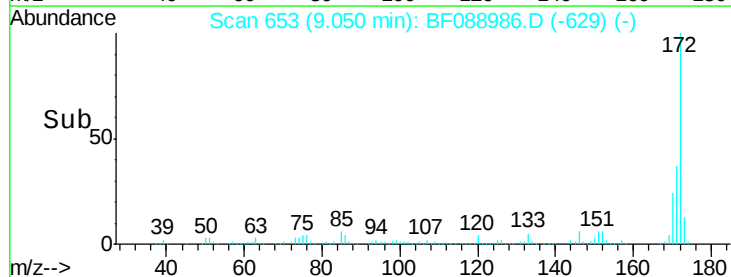
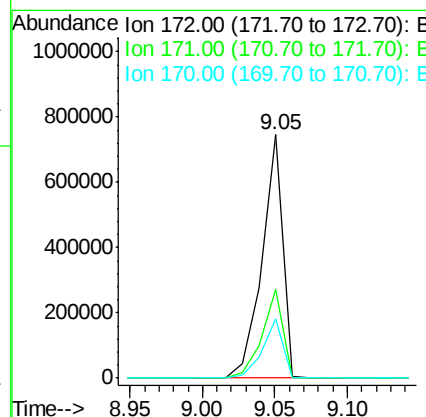
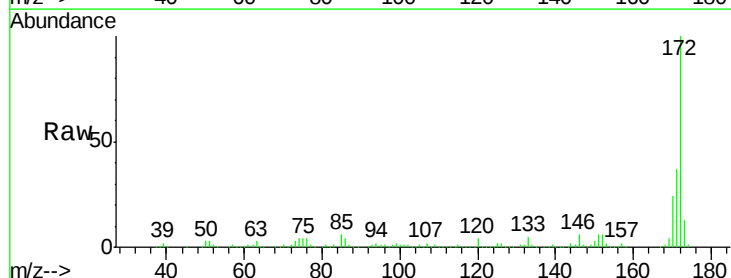
Manual Integrations

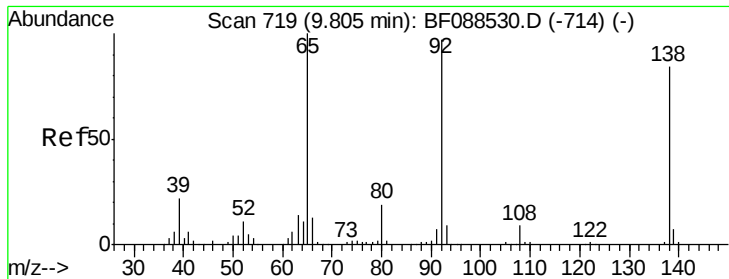
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#44
 2-Fluorobiphenyl
 Concen: 84.80 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088986.D
 Acq: 14 Jul 2016 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	736504		
171	36.5	28.6	43.0	
170	24.1	19.2	28.8	





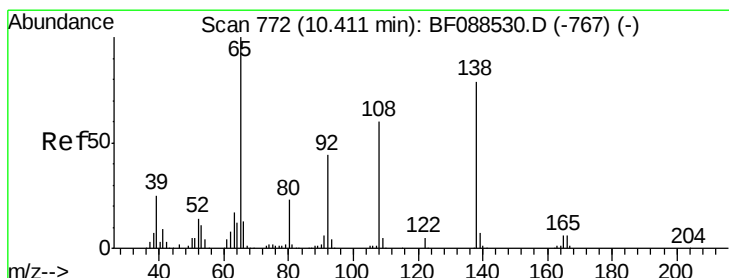
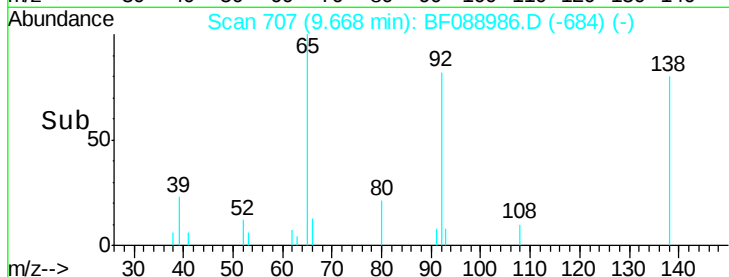
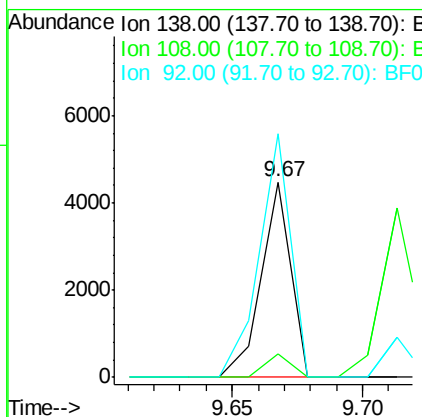
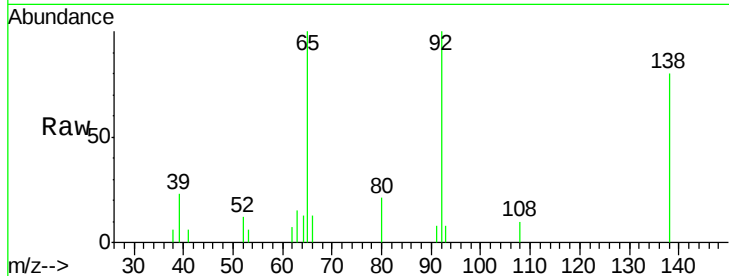
#52
3-Nitroaniline
Concen: 1.29 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.03 min
Lab File: BF088986.D
Acq: 14 Jul 2016 14:51

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:138 Resp: 3562
Ion Ratio Lower Upper
138 100
108 12.3 8.5 12.7
92 124.7 95.7 143.5

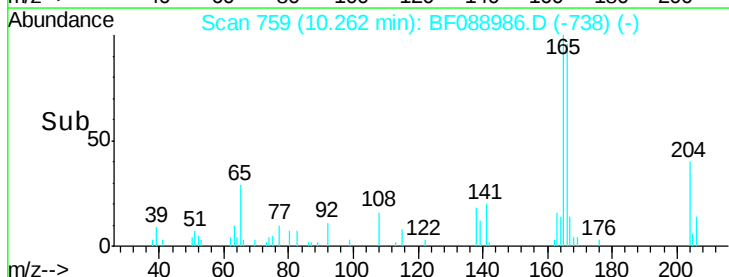
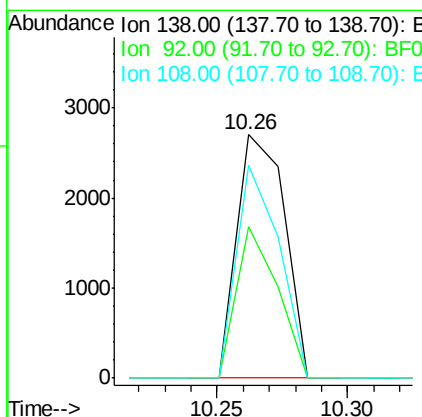
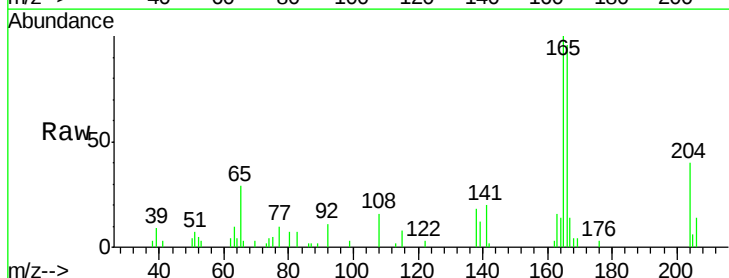
Manual Integrations

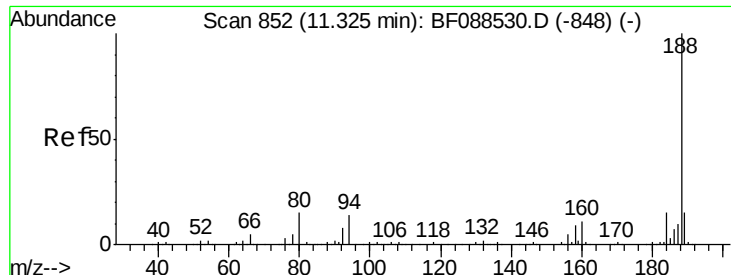
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#61
4-Nitroaniline
Concen: 1.31 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.06 min
Lab File: BF088986.D
Acq: 14 Jul 2016 14:51

Tgt Ion:138 Resp: 3467
Ion Ratio Lower Upper
138 100
92 62.1 27.3 67.3
108 87.5 46.7 86.7#





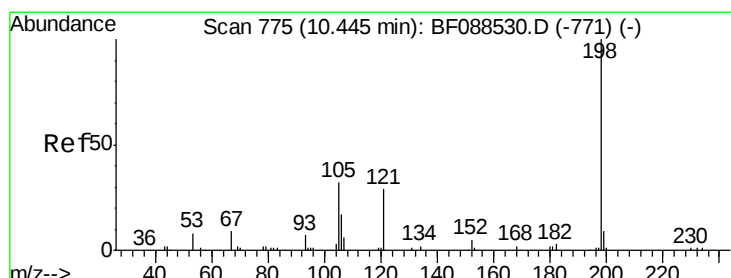
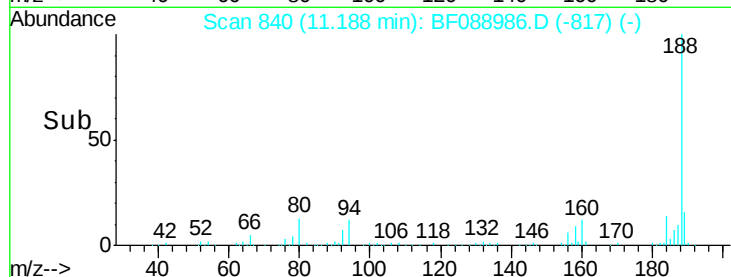
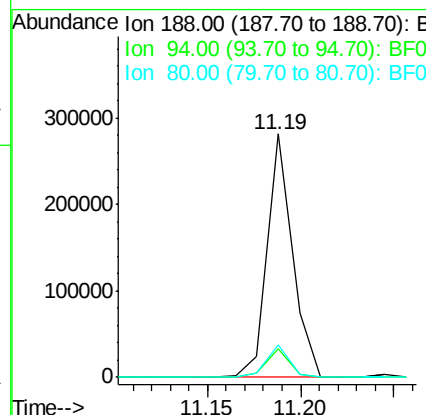
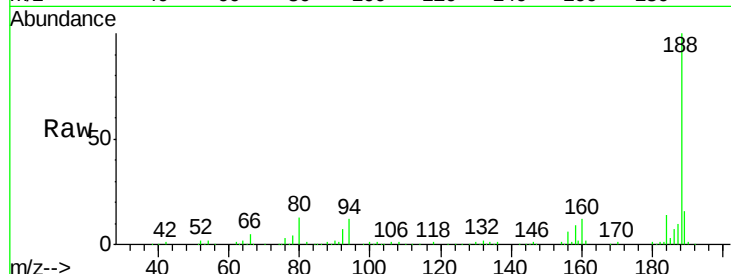
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF088986.D
Acq: 14 Jul 2016 14:51

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.0	13.6
80	13.3	10.0	15.0

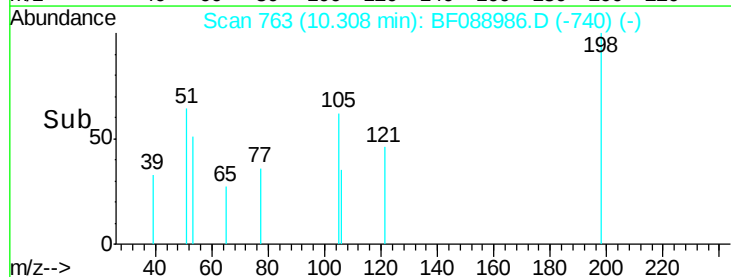
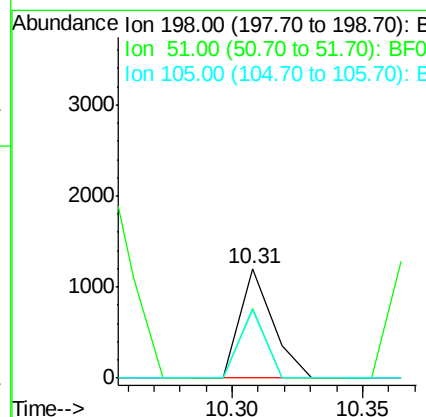
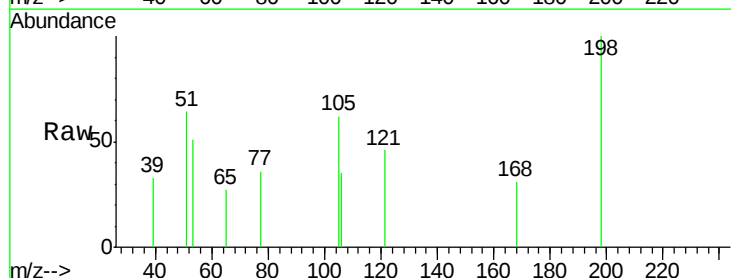
Manual Integrations

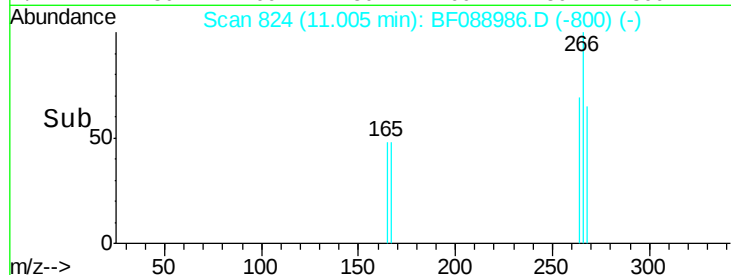
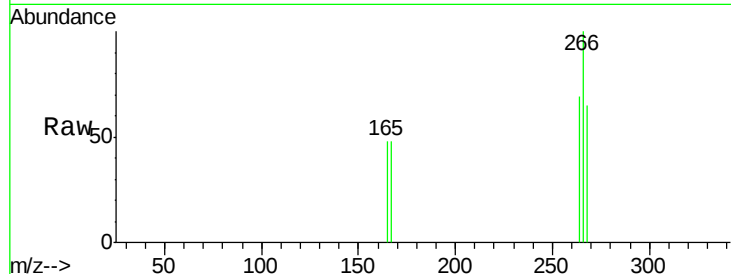
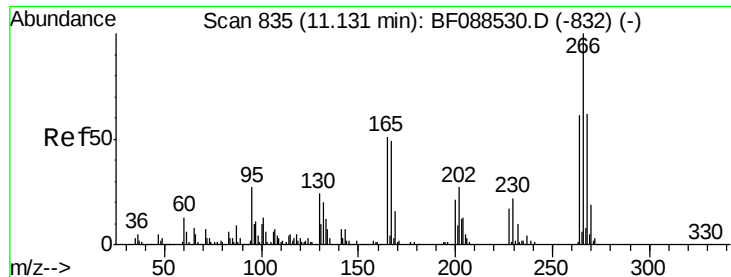
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#64
4,6-Dinitro-2-methylphenol
Concen: 0.77 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.03 min
Lab File: BF088986.D
Acq: 14 Jul 2016 14:51

Tgt Ion	Ratio	Lower	Upper
198	100		
51	64.0	39.6	79.6
105	62.1	36.6	76.6





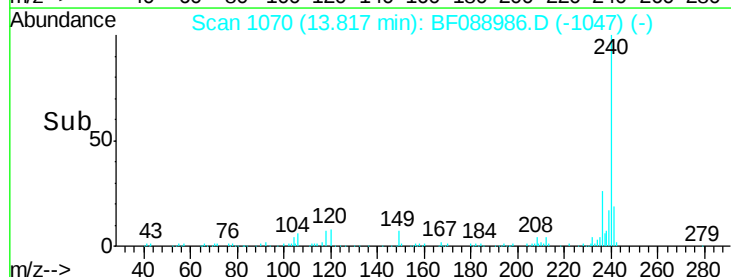
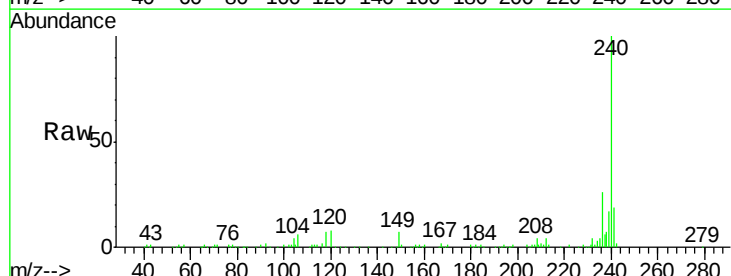
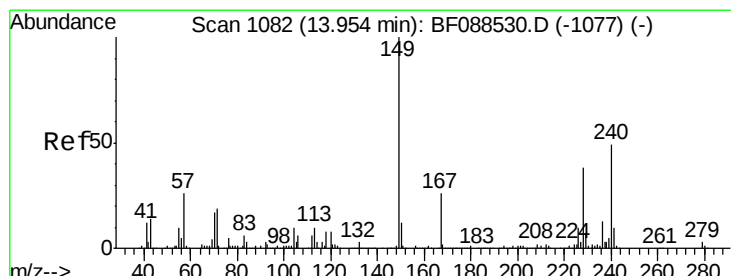
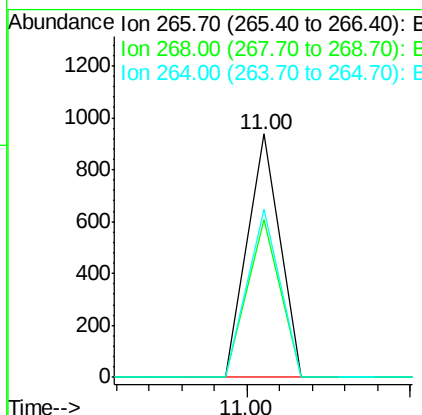
#69
 Pentachlorophenol
 Concen: 0.37 ng
 RT: 11.00 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF088986.D
 Acq: 14 Jul 2016 14:51

Tot Ion	Ratio	Lower	Upper
266	100		
268	65.0	52.8	79.2
264	69.3	49.6	74.4

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

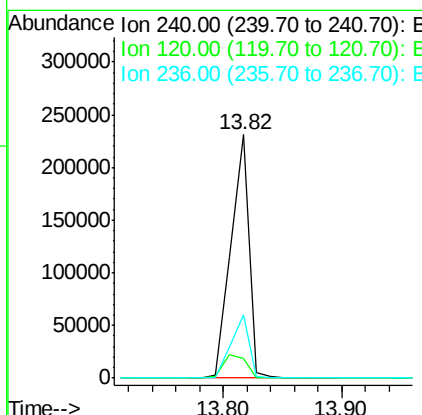
Manual Integrations

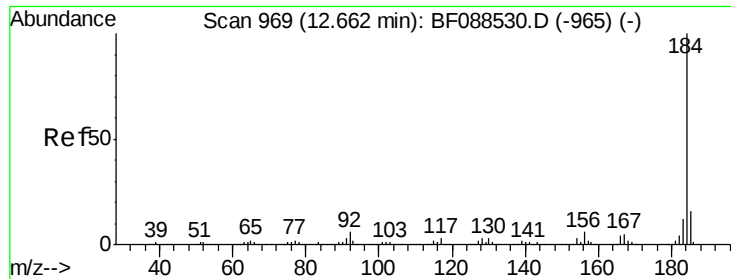
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.03 min
 Lab File: BF088986.D
 Acq: 14 Jul 2016 14:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.8	10.2
236	26.2	20.2	30.2





#76

Benzidine

Concen: 0.25 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.03 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:184 Resp: 3073

Ion Ratio Lower Upper

184 100

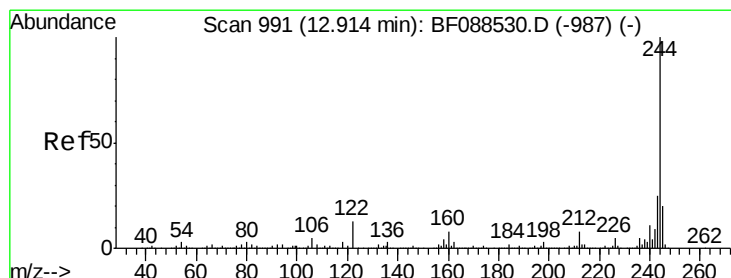
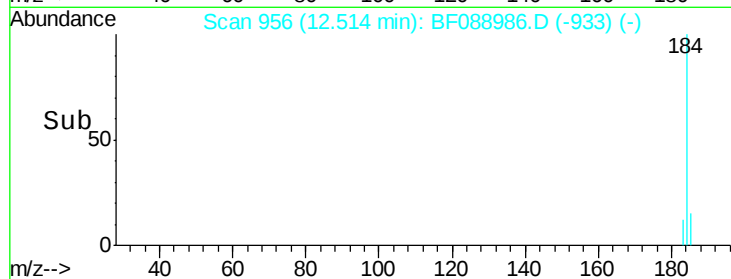
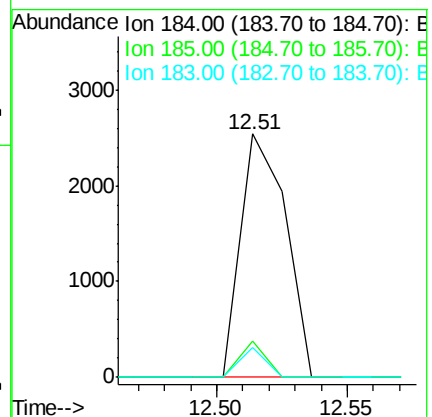
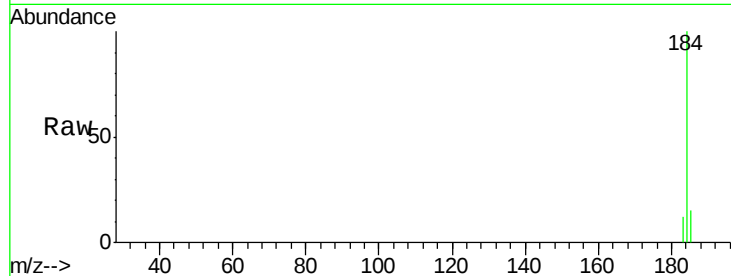
185 15.1 12.5 18.7

183 12.4 9.3 13.9

Manual Integrations

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#78

Terphenyl-d14

Concen: 54.73 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

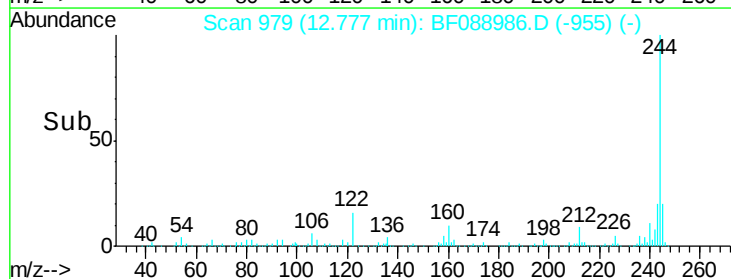
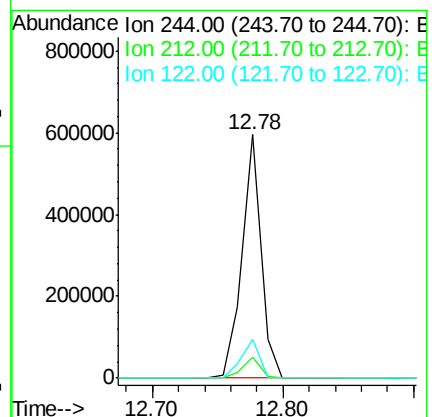
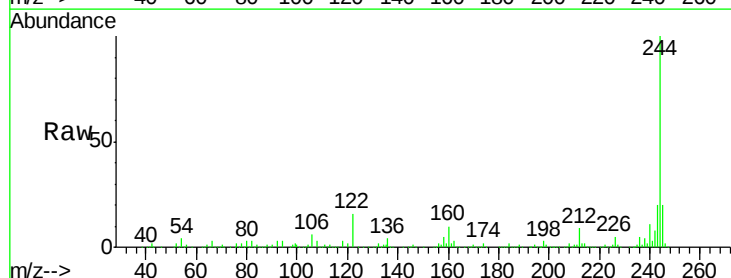
Tgt Ion:244 Resp: 599262

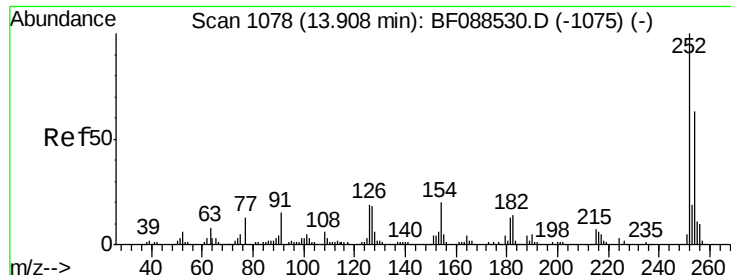
Ion Ratio Lower Upper

244 100

212 8.5 6.0 9.0

122 15.8 11.2 16.8





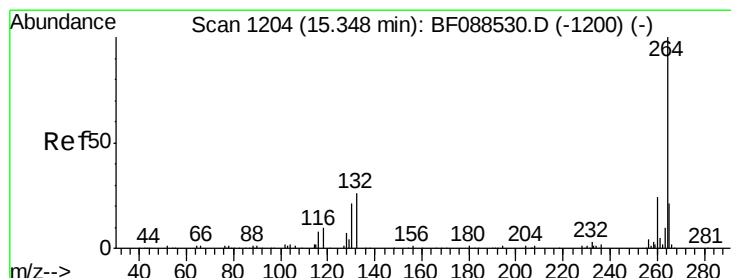
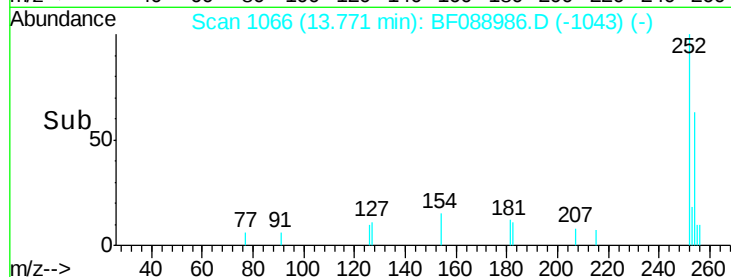
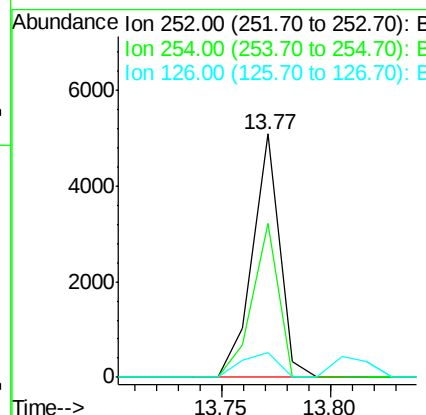
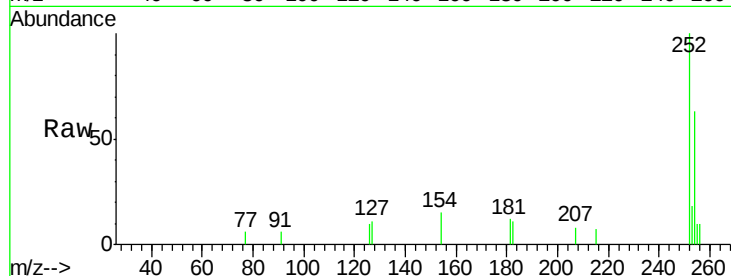
#81
 3,3'-Dichlorobenzidine
 Concen: 0.75 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.03 min
 Lab File: BF088986.D
 Acq: 14 Jul 2016 14:51

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.1	52.6	78.8
126	10.1	6.2	9.2

Manual Integrations

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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF088986.D
 Acq: 14 Jul 2016 14:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.0	16.9	25.3

