

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF088983.D
 Acq On : 14 Jul 2016 13:23
 Operator : UM/SJ
 Sample : H3606-04
 Misc : LOO-20PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Manual Integrations

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 7/15/2016 9:16:19 AM

Quant Time: Jul 15 01:38:07 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	71567	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	299860	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	140136	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	277189	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	215917	20.00	ng	-0.03
86) Perylene-d12	15.18	264	168334	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	448550	93.93	ng	0.00
7) Phenol-d6	6.34	99	621545	100.73	ng	-0.01
23) Nitrobenzene-d5	7.26	82	414882	72.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	140820	108.21	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	710576	80.09	ng	-0.02
78) Terphenyl-d14	12.78	244	579480	59.78	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.27	88	24088	10.17	ng	# 15
3) Pyridine	2.95	79	73203	10.66	ng	95
4) n-Nitrosodimethylamine	2.86	42	30955	11.79	ng	99
6) Aniline	6.34	93	47386	5.27	ng	# 1
8) 2-Chlorophenol	6.47	128	67787	13.21	ng	86
9) Benzaldehyde	6.23	77	64520	15.44	ng	90
10) Phenol	6.35	94	112414	15.96	ng	85
11) bis(2-Chloroethyl)ether	6.43	93	68241	12.99	ng	# 81
12) 1,3-Dichlorobenzene	6.63	146	76892	13.61	ng	95
13) 1,4-Dichlorobenzene	6.71	146	73536	13.12	ng	97
14) 1,2-Dichlorobenzene	6.86	146	77128m	14.70	ng	
15) Benzyl Alcohol	6.83	79	75858	16.70	ng	90
16) 2,2'-oxybis(1-Chloropropan	6.97	45	81531	10.72	ng	89
17) 2-Methylphenol	6.96	107	62257	14.87	ng	97
18) Hexachloroethane	7.20	117	29928	13.80	ng	91
19) n-Nitroso-di-n-propylamine	7.11	70	56628	13.66	ng	90
20) 3+4-Methylphenols	7.11	107	79036	15.73	ng	# 88
22) Acetophenone	7.10	105	103488	14.22	ng	# 92
24) Nitrobenzene	7.27	77	74780	12.96	ng	# 79
25) Isophorone	7.51	82	136815	12.91	ng	# 93
26) 2-Nitrophenol	7.59	139	37097	15.68	ng	# 96
27) 2,4-Dimethylphenol	7.63	122	59660	12.11	ng	# 86
28) bis(2-Chloroethoxy)methane	7.72	93	83664	12.13	ng	# 94
29) 2,4-Dichlorophenol	7.84	162	57828	14.52	ng	92
30) 1,2,4-Trichlorobenzene	7.92	180	64810	14.83	ng	98
31) Naphthalene	7.99	128	199759	13.51	ng	98
32) Benzoic acid	7.75	122	38946	10.89	ng	96
33) 4-Chloroaniline	8.04	127	30881	4.70	ng	99
34) Hexachlorobutadiene	8.11	225	31203	13.33	ng	98
35) Caprolactam	8.40	113	21587	15.96	ng	# 86
36) 4-Chloro-3-methylphenol	8.54	107	74507	15.82	ng	92
37) 2-Methylnaphthalene	8.68	142	143989	15.13	ng	# 94
39) 1,2,4,5-Tetrachlorobenzene	8.84	216	57336	12.30	ng	# 1
40) Hexachlorocyclopentadiene	8.83	237	20168	8.82	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.97	196	39881	12.98	nq	99
43) 2,4,5-Trichlorophenol	9.00	196	45229	17.11	nq #	89
45) 1,1'-Biphenyl	9.14	154	154019	13.27	nq	99
46) 2-Chloronaphthalene	9.16	162	124569	13.67	nq	96
47) 2-Nitroaniline	9.27	65	44087	13.64	nq #	75
48) Acenaphthylene	9.58	152	203264	14.02	nq	99
49) Dimethylphthalate	9.45	163	165260	16.55	nq	99
50) 2,6-Dinitrotoluene	9.51	165	34152	15.43	nq #	56
51) Acenaphthene	9.75	154	131283	14.78	nq	97
52) 3-Nitroaniline	9.67	138	18528	6.59	nq	83
53) 2,4-Dinitrophenol	9.78	184	13640	13.96	nq	93
54) Dibenzofuran	9.92	168	183094	15.74	nq #	86
55) 4-Nitrophenol	9.85	139	28015	13.11	nq #	78
56) 2,4-Dinitrotoluene	9.91	165	46061	15.92	nq #	51
57) Fluorene	10.26	166	154631	17.25	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.04	232	34037	16.64	nq #	50
59) Diethylphthalate	10.15	149	157358	15.71	nq	98
60) 4-Chlorophenyl-phenylether	10.26	204	69723	16.74	nq	97
61) 4-Nitroaniline	10.27	138	35013	12.94	nq #	70
62) Azobenzene	10.42	77	177758	15.55	nq	95
64) 4,6-Dinitro-2-methylphenol	10.32	198	20025	13.51	nq #	70
65) n-Nitrosodiphenylamine	10.38	169	123824	13.20	nq	98
66) 4-Bromophenyl-phenylether	10.74	248	35502	12.71	nq #	66
67) Hexachlorobenzene	10.81	284	40708	13.16	nq #	90
68) Atrazine	10.90	200	40780	13.95	nq	88
69) Pentachlorophenol	11.00	266	18743	10.24	nq	97
70) Phenanthrene	11.22	178	210541	13.89	nq	96
71) Anthracene	11.27	178	232750	15.45	nq	98
72) Carbazole	11.43	167	206836	14.59	nq	98
73) Di-n-butylphthalate	11.77	149	249640	15.13	nq #	97
74) Fluoranthene	12.40	202	230625	15.01	nq	92
76) Benzidine	12.53	184	42363	3.88	nq	98
77) Pyrene	12.62	202	214533	11.72	nq	99
79) Butylbenzylphthalate	13.26	149	103317	12.65	nq	94
80) Benzo(a)anthracene	13.81	228	189772	13.65	nq	98
81) 3,3'-Dichlorobenzidine	13.77	252	22048	4.22	nq #	98
82) Chrysene	13.84	228	158692	11.54	nq	98
83) Bis(2-ethylhexyl)phthalate	13.82	149	139636	14.98	nq	98
84) Di-n-octyl phthalate	14.42	149	225089	14.21	nq #	100
85) Indeno(1,2,3-cd)pyrene	16.45	276	129157	12.20	nq #	100
87) Benzo(b)fluoranthene	14.80	252	147921m	14.01	nq	
88) Benzo(k)fluoranthene	14.83	252	157609m	17.14	nq	
89) Benzo(a)pyrene	15.12	252	139597	15.61	nq	98
90) Dibenzo(a,h)anthracene	16.47	278	106118	14.21	nq #	94
91) Benzo(g,h,i)perylene	16.83	276	104525	13.53	nq	94

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



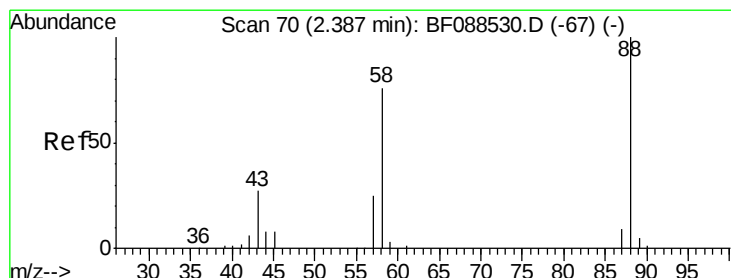
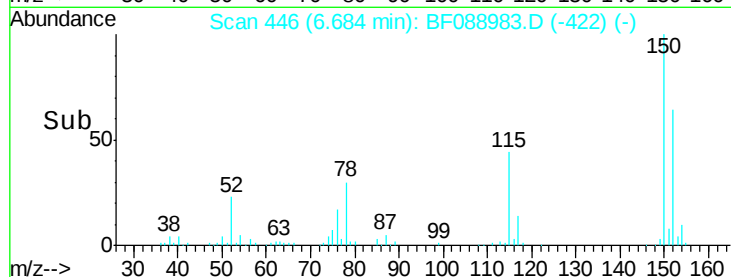
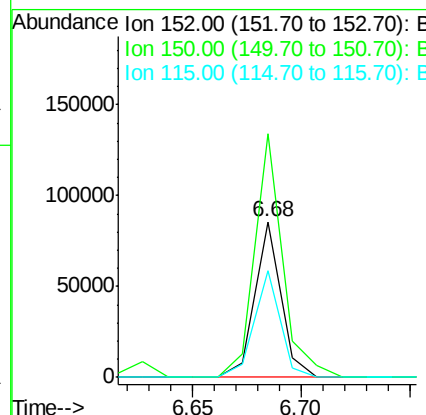
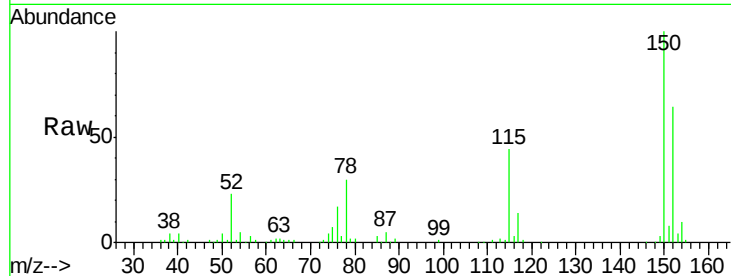
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
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 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.8	185.6
115	68.7	39.6	59.4

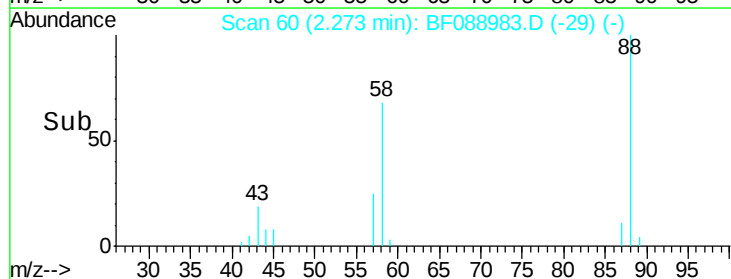
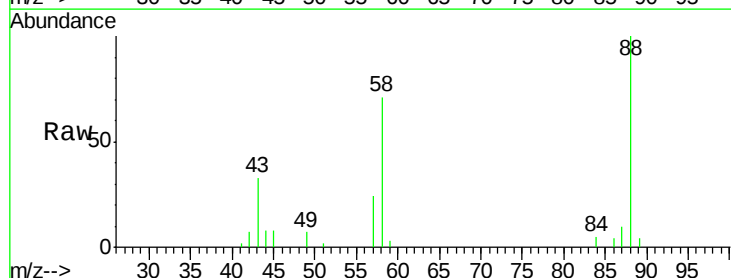
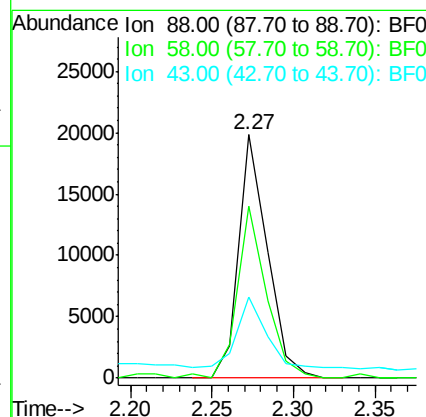
Manual Integrations

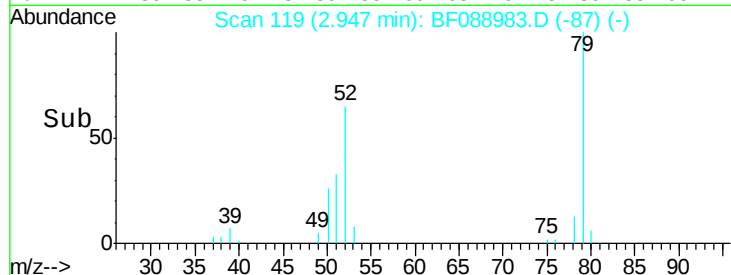
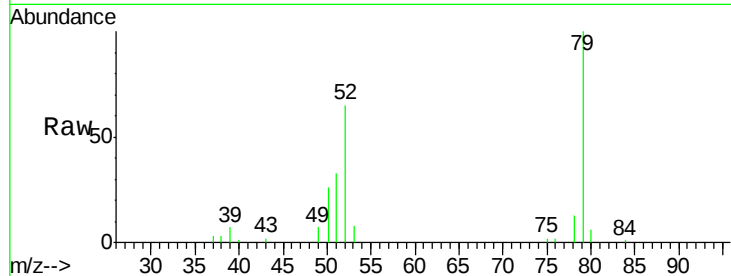
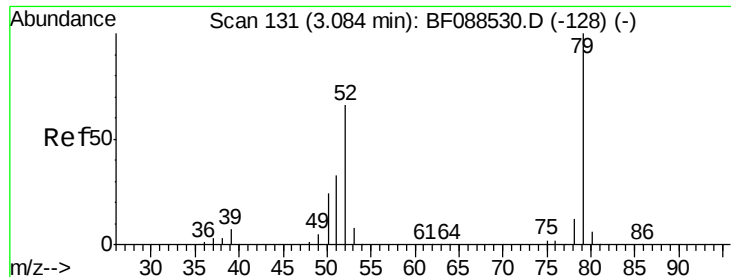
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#2
 1,4-Dioxane
 Concen: 10.17 ng
 RT: 2.27 min Scan# 60
 Delta R.T. 0.06 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.3	0.0	0.0
43	32.3	3.4	5.2





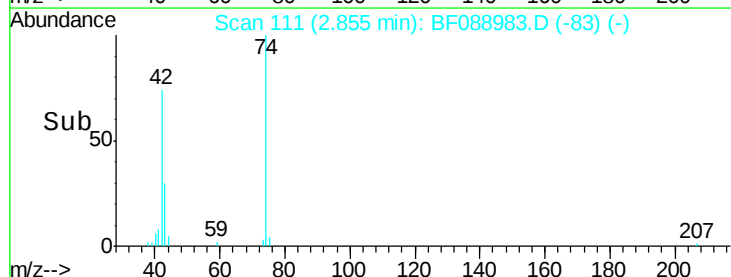
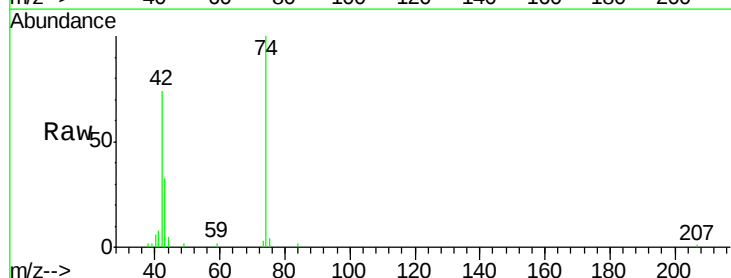
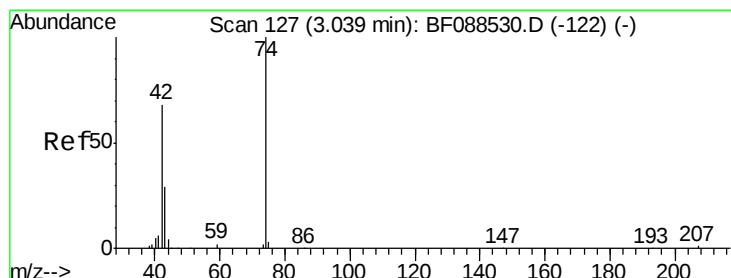
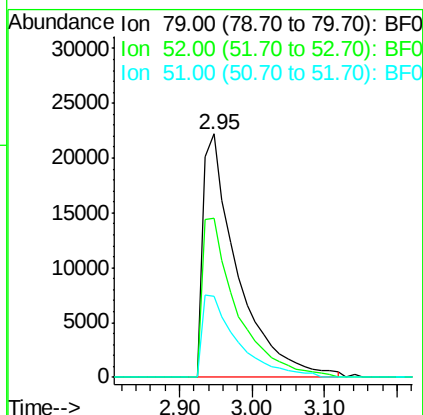
#3
 Pvridine
 Concen: 10.66 ng
 RT: 2.95 min Scan# 119
 Delta R.T. 0.07 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tot Ion:	79	Resp:	73203
Ion	Ratio	Lower	Upper
79	100		
52	65.2	56.3	84.5
51	33.3	27.4	41.2

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

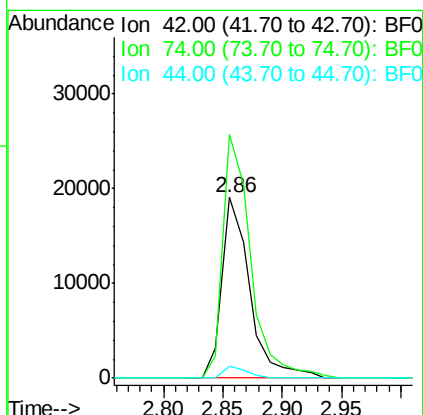
Manual Integrations

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#4
 n-Nitrosodimethylamine
 Concen: 11.79 ng
 RT: 2.86 min Scan# 111
 Delta R.T. 0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:	42	Resp:	30955
Ion	Ratio	Lower	Upper
42	100		
74	135.0	108.6	163.0
44	6.6	5.5	8.3





#5

2-Fluorophenol

Concen: 93.93 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

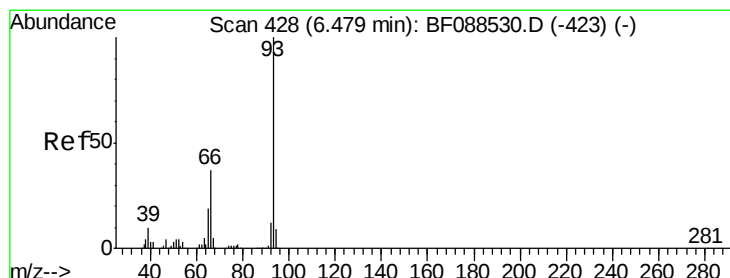
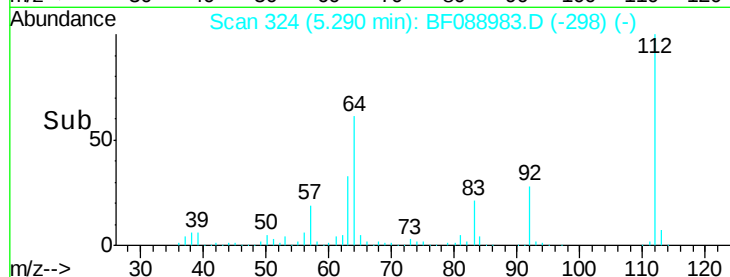
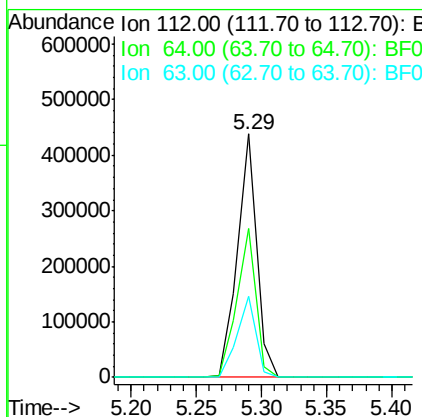
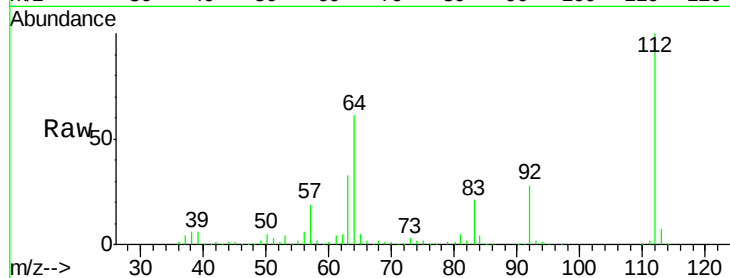
Tot Ion:	112	Resp:	448550
Ion Ratio	Lower	Upper	
112	100		
64	61.2	42.2	63.2
63	33.0	21.8	32.8

Manual Integrations

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#6

Aniline

Concen: 5.27 ng

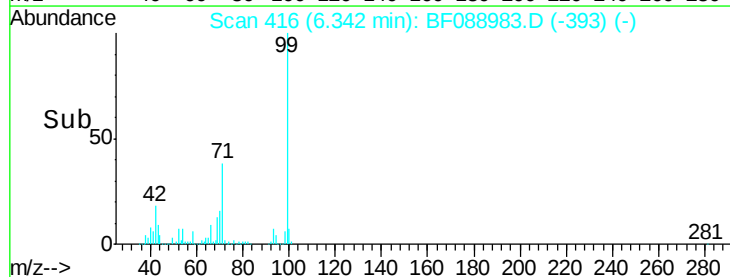
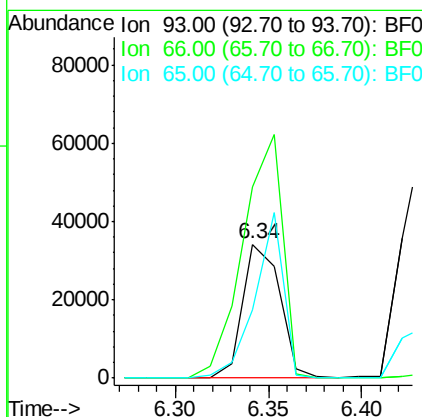
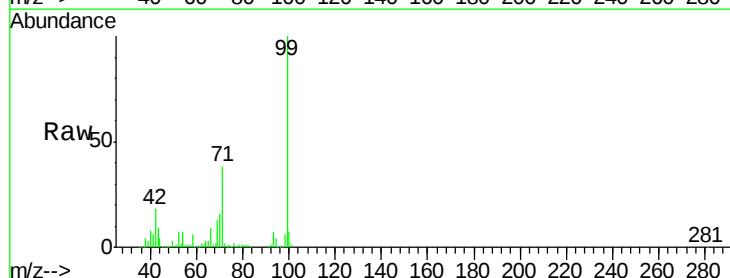
RT: 6.34 min Scan# 416

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	93	Resp:	47386
Ion Ratio	Lower	Upper	
93	100		
66	142.5	29.8	44.8
65	50.6	14.9	22.3





#7

Phenol-d6

Concen: 100.73 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

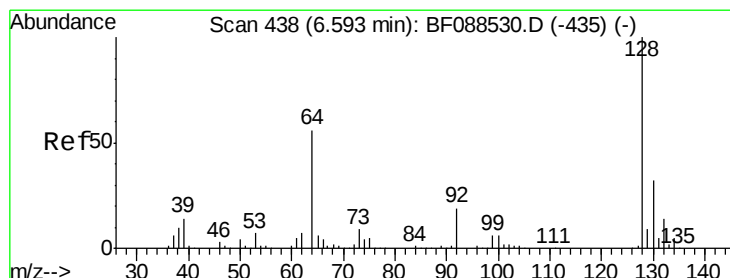
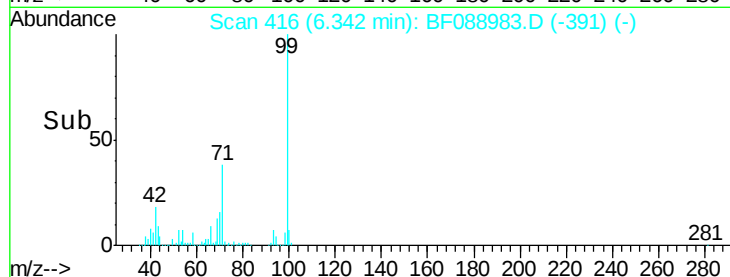
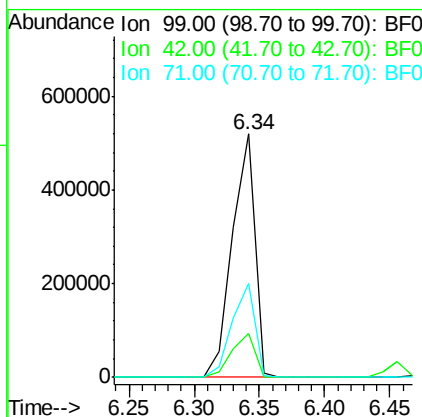
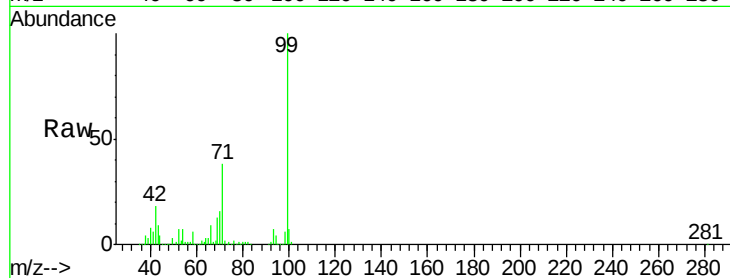
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Tot Ion:	99	Resp:	621545
Ion	Ratio	Lower	Upper
99	100		
42	18.1	12.2	18.2
71	38.4	23.4	35.0#

Manual Integrations

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#8

2-Chlorophenol

Concen: 13.21 ng

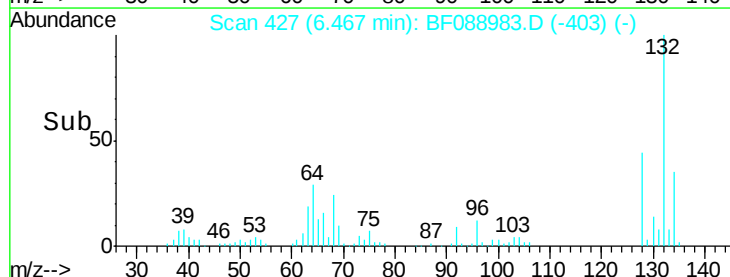
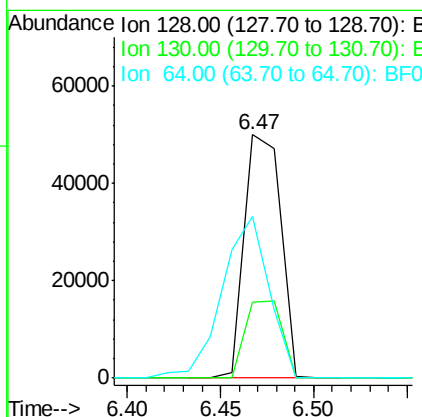
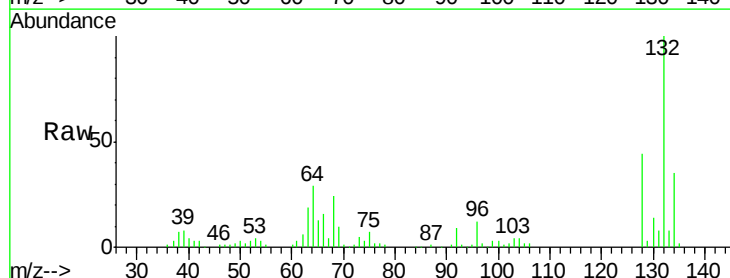
RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	128	Resp:	67787
Ion	Ratio	Lower	Upper
128	100		
130	31.0	12.0	52.0
64	66.3	30.8	70.8





#9

Benzaldehyde

Concen: 15.44 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

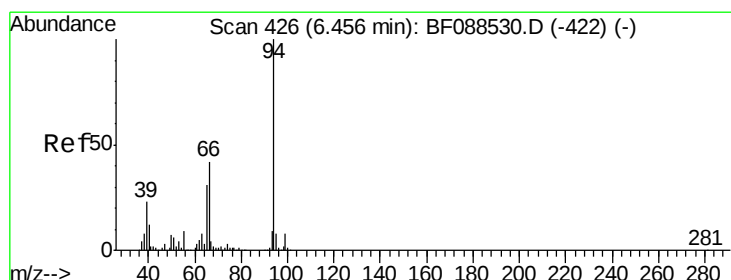
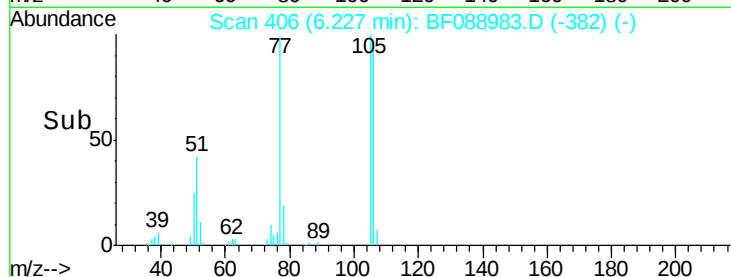
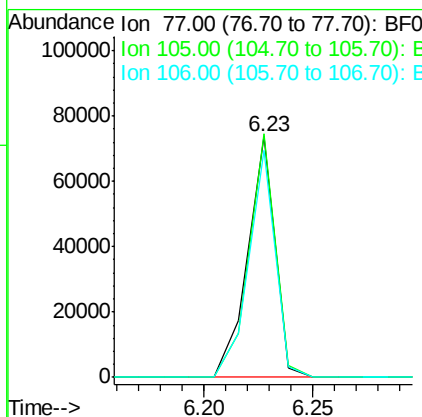
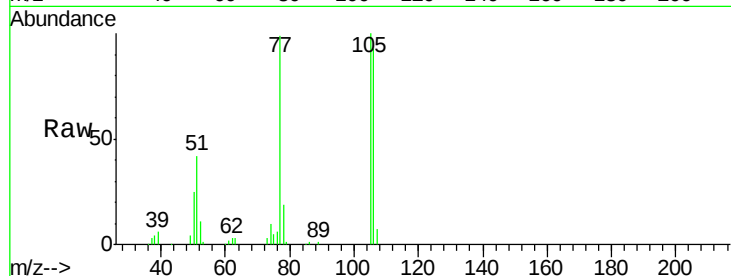
LOQ-SOIL2016-02

Tot Ion:	77	Resp:	64520
Ion	Ratio	Lower	Upper
77	100		
105	101.1	90.6	130.6
106	94.4	85.3	125.3

Manual Integrations

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#10

Phenol

Concen: 15.96 ng

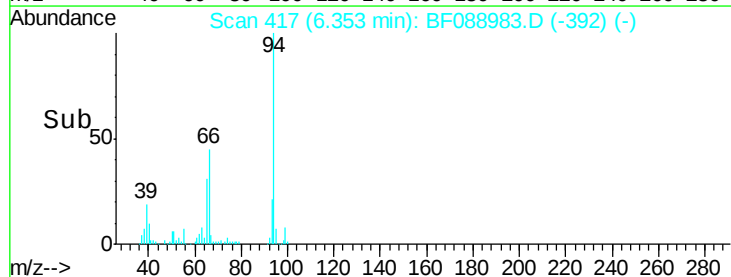
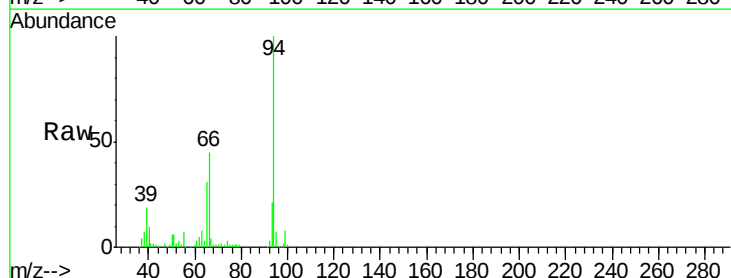
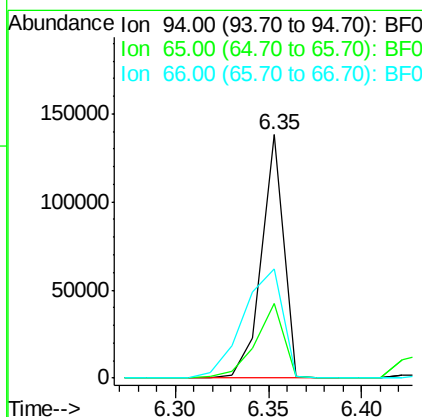
RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	94	Resp:	112414
Ion	Ratio	Lower	Upper
94	100		
65	30.5	5.9	45.9
66	45.0	14.0	54.0





#11

bis(2-Chloroethyl)ether

Concen: 12.99 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

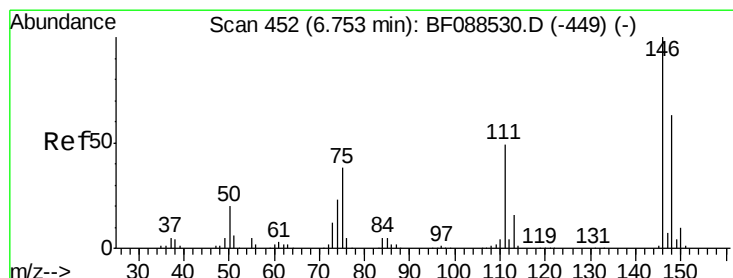
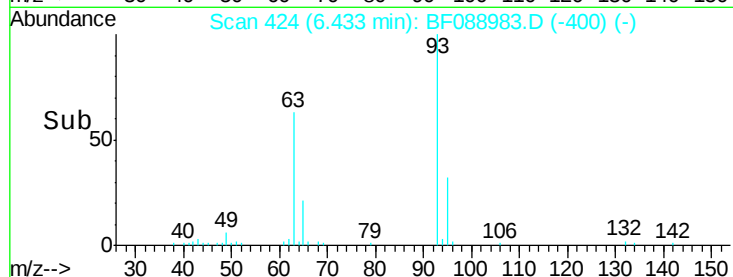
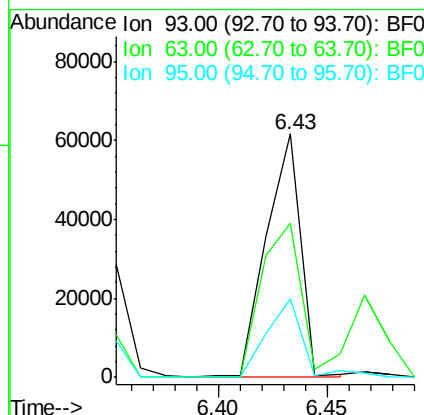
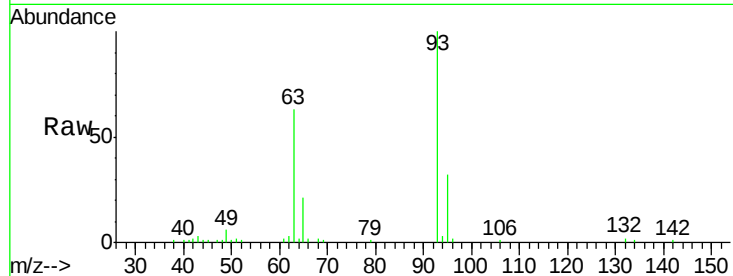
LOQ-SOIL2016-02

Tot Ion:	93	Resp:	68241
Ion Ratio	Lower	Upper	
93	100		
63	63.3	67.6	107.6#
95	32.5	12.5	52.5

Manual Integrations

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#12

1,3-Dichlorobenzene

Concen: 13.61 ng

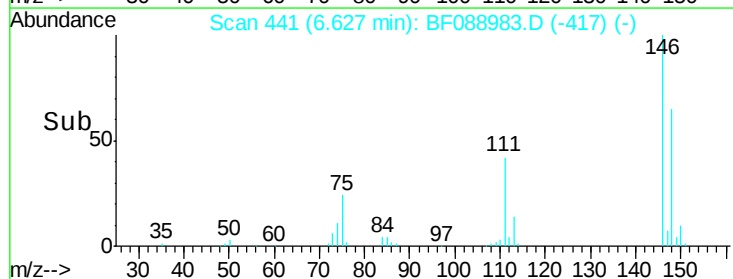
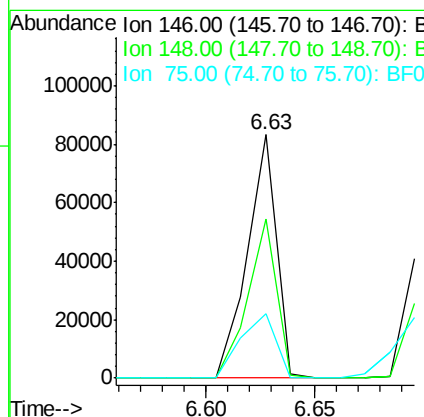
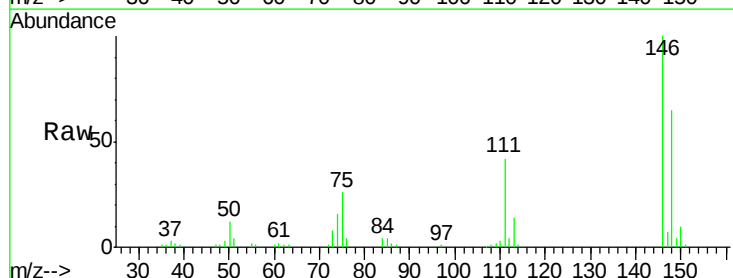
RT: 6.63 min Scan# 441

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	146	Resp:	76892
Ion Ratio	Lower	Upper	
146	100		
148	65.3	50.9	76.3
75	26.4	25.6	38.4





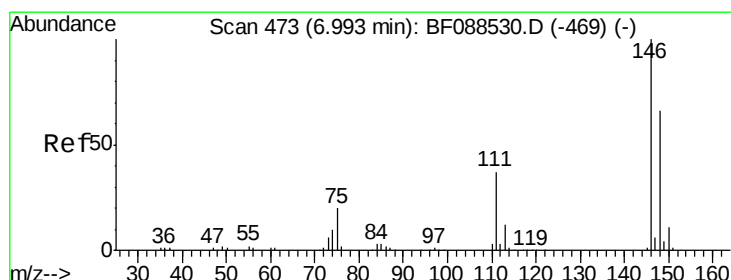
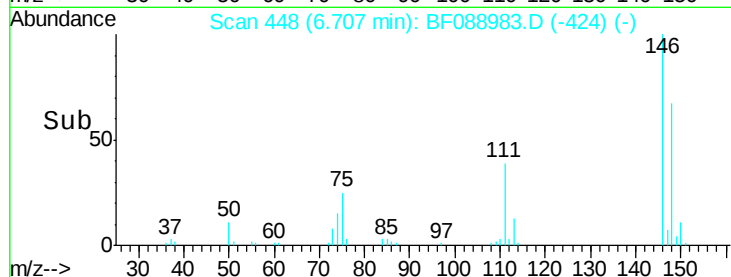
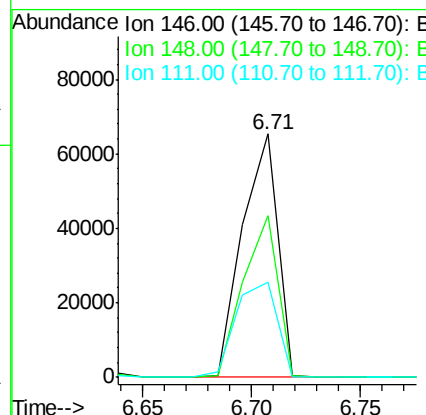
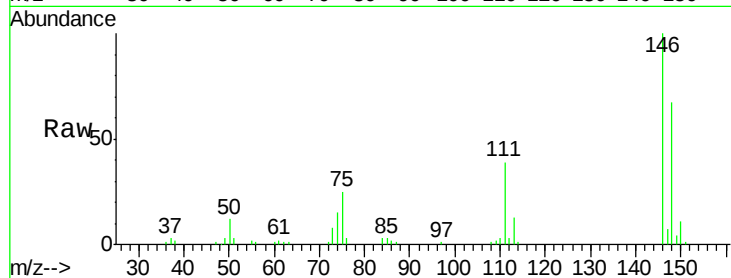
#13
 1,4-Dichlorobenzene
 Concen: 13.12 ng
 RT: 6.71 min Scan# 448
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.6	52.0	78.0
111	39.2	33.8	50.8

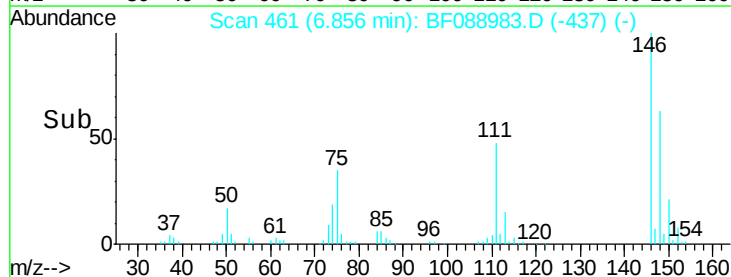
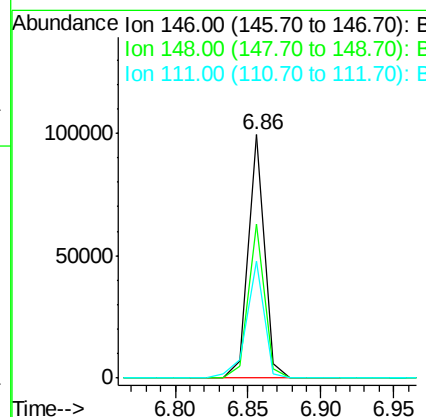
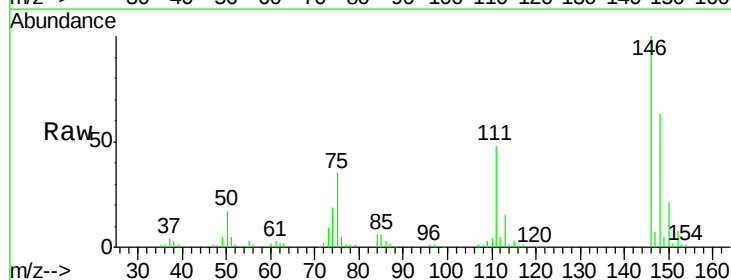
Manual Integrations

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#14
 1,2-Dichlorobenzene
 Concen: 14.70 ng m
 RT: 6.86 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.3	78.5
111	48.1	28.7	43.1





#15

Benzyl Alcohol

Concen: 16.70 ng

RT: 6.83 min Scan# 459

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion: 79 Resp: 75858

Ion Ratio Lower Upper

79 100

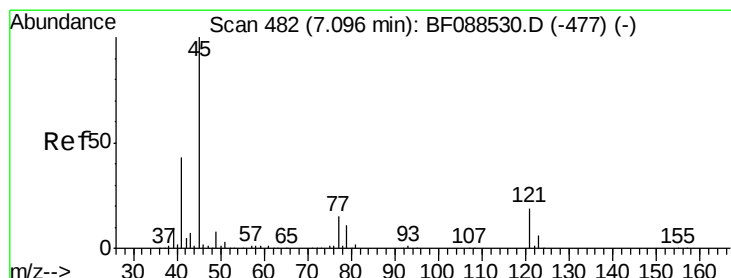
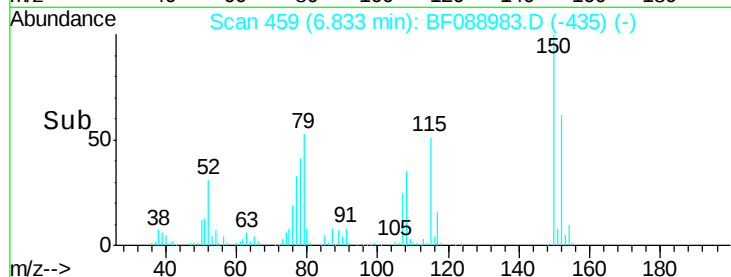
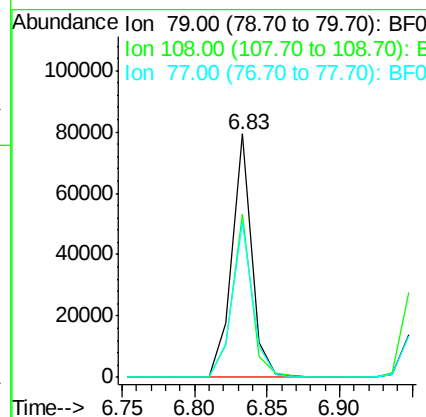
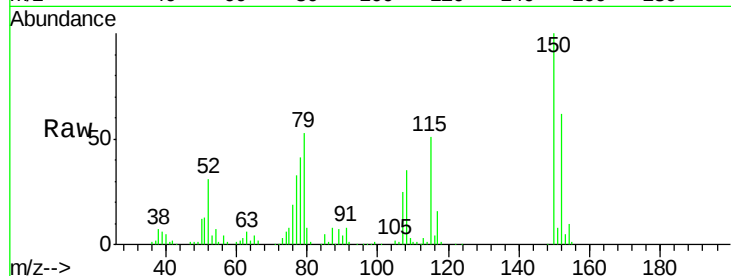
108 66.7 65.0 97.6

77 63.5 50.3 75.5

Manual Integrations

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.72 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

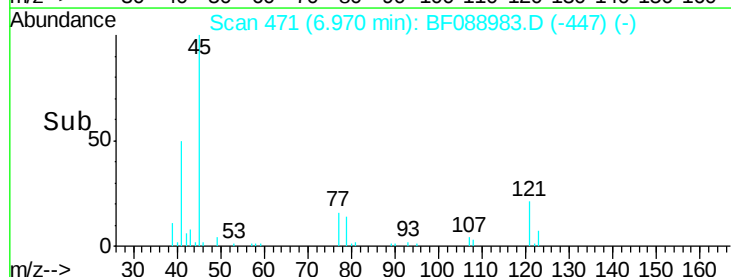
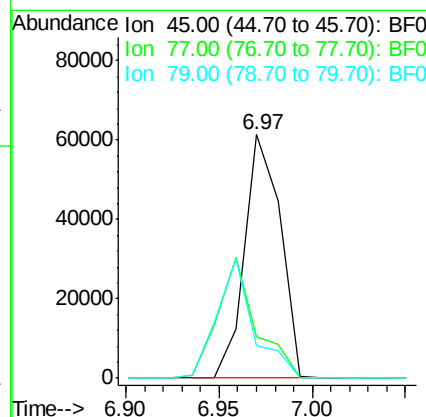
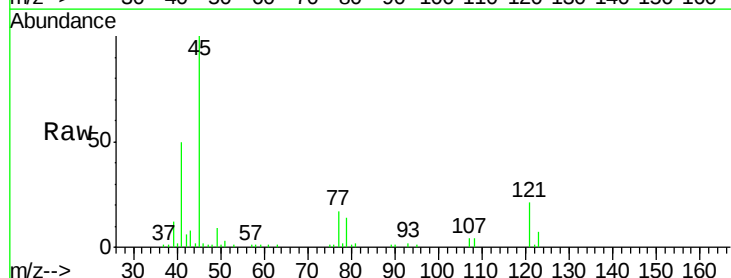
Tgt Ion: 45 Resp: 81531

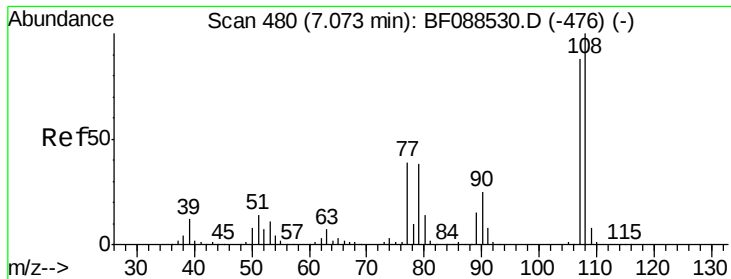
Ion Ratio Lower Upper

45 100

77 16.9 0.0 32.5

79 13.5 0.0 29.5





#17

2-Methylphenol

Concen: 14.87 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

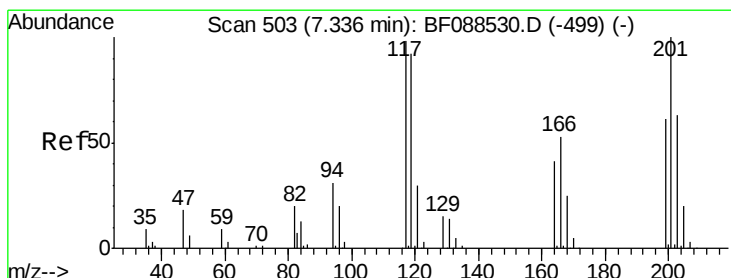
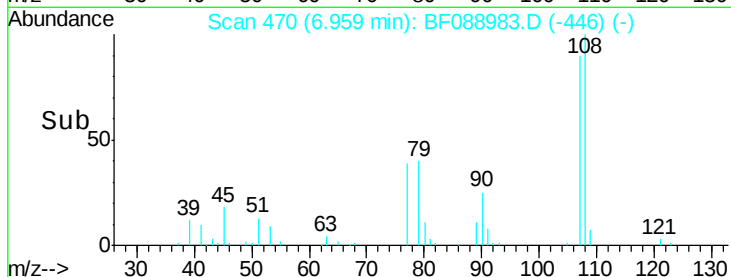
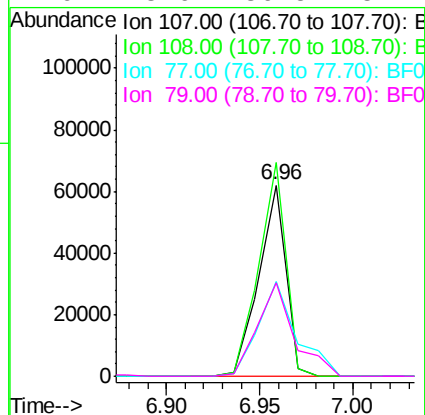
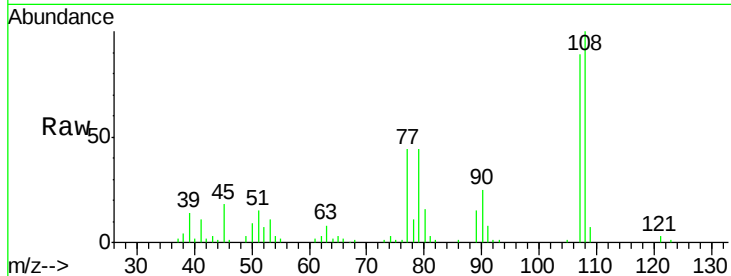
LOQ-SOIL2016-02

Tot Ion:	107	Resp:	62257
Ion Ratio	Lower	Upper	
107	100		
108	111.8	90.9	136.3
77	49.3	36.6	55.0
79	48.6	36.5	54.7

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#18

Hexachloroethane

Concen: 13.80 ng

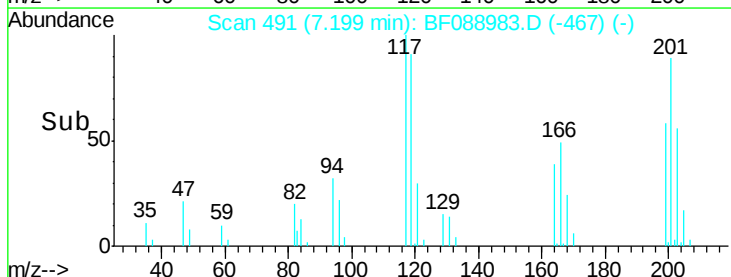
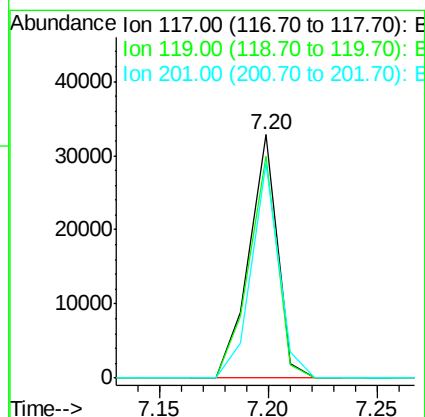
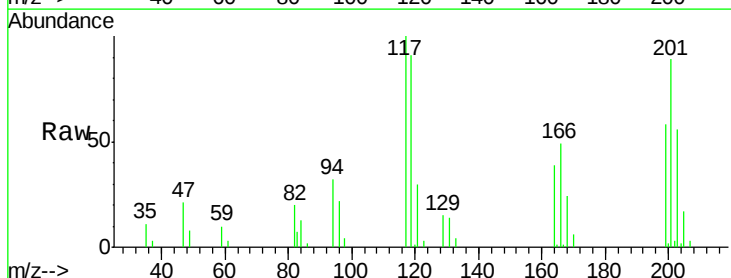
RT: 7.20 min Scan# 491

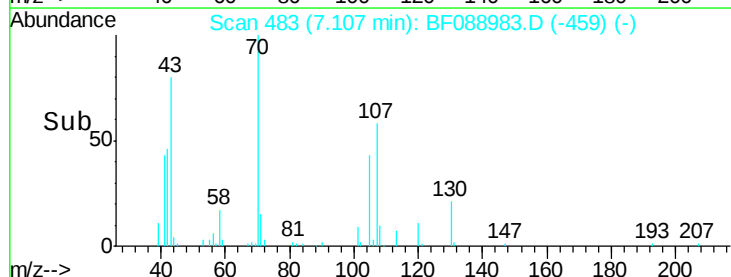
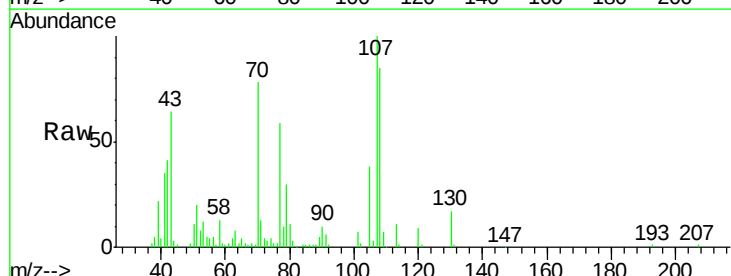
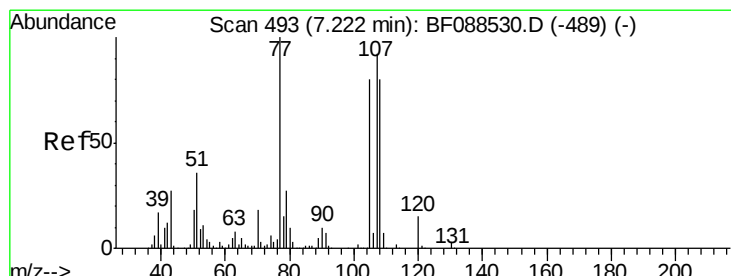
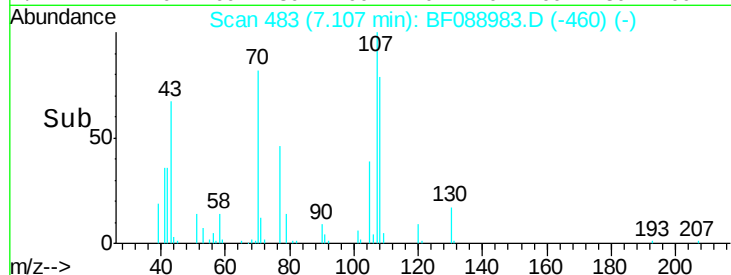
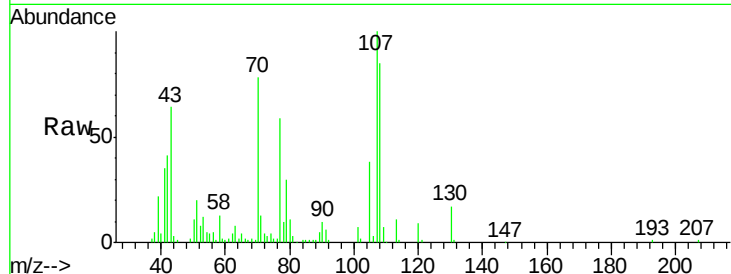
Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	117	Resp:	29928
Ion Ratio	Lower	Upper	
117	100		
119	91.1	77.4	116.2
201	88.6	80.4	120.6





#19

n-Nitroso-di-n-propylamine

Concen: 13.66 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tot Ion: 70 Resp: 56628

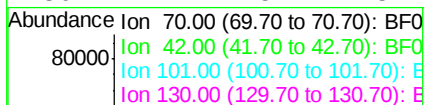
Ion Ratio Lower Upper

70 100

42 51.7 49.6 74.4

101 9.5 7.1 10.7

130 21.2 15.4 23.2



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#20

3+4-Methylphenols

Concen: 15.73 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:107 Resp: 79036

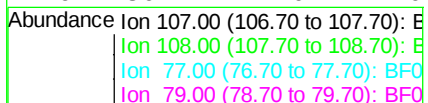
Ion Ratio Lower Upper

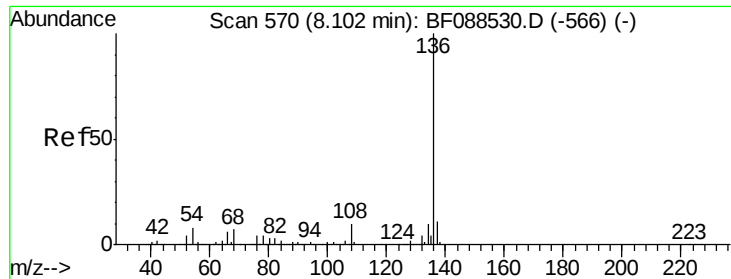
107 100

108 84.8 67.8 107.8

77 59.1 59.3 99.3#

79 30.2 7.0 47.0





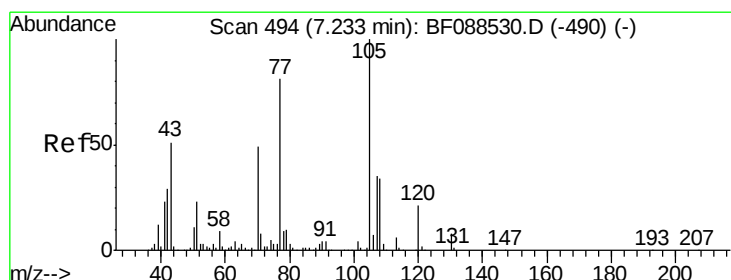
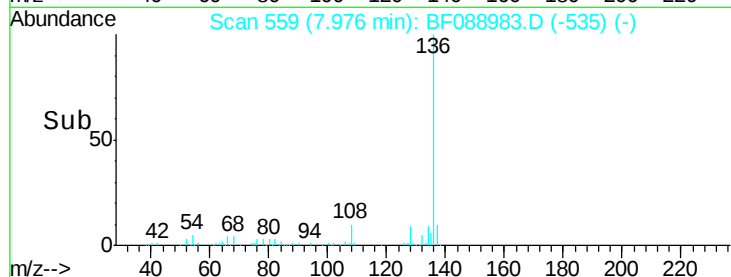
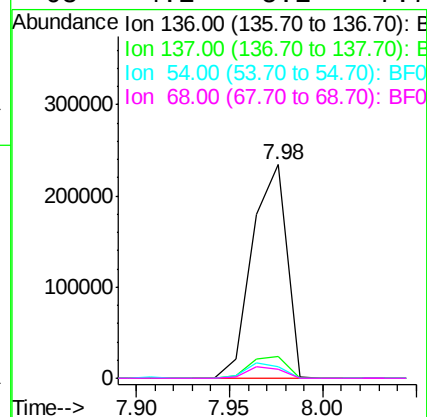
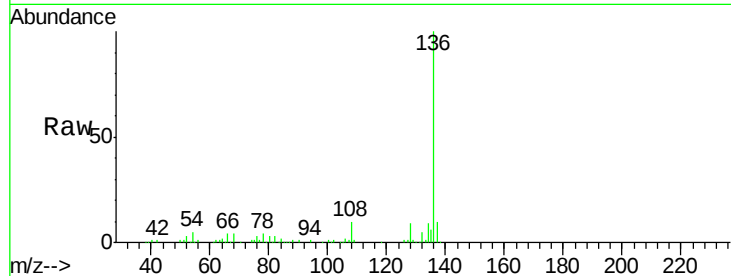
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
136	100	299860		
137	10.5	9.1	13.7	
54	5.2	6.6	10.0	
68	4.1	5.1	7.7	

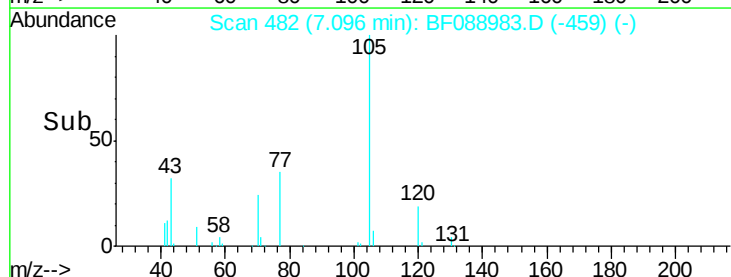
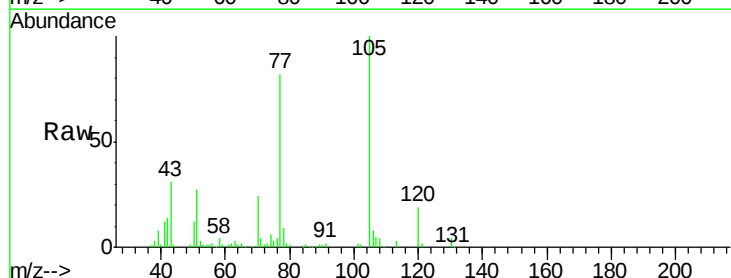
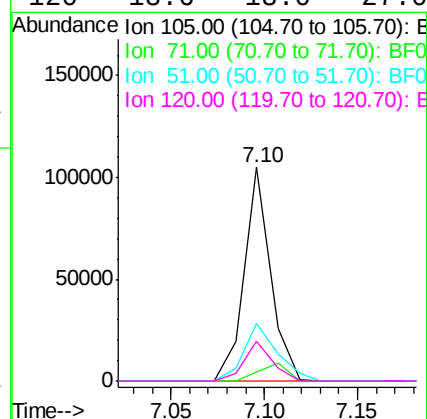
Manual Integrations

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#22
Acetophenone
Concen: 14.22 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	103488		
71	4.2	5.3	7.9	
51	26.9	18.2	27.4	
120	18.6	18.0	27.0	





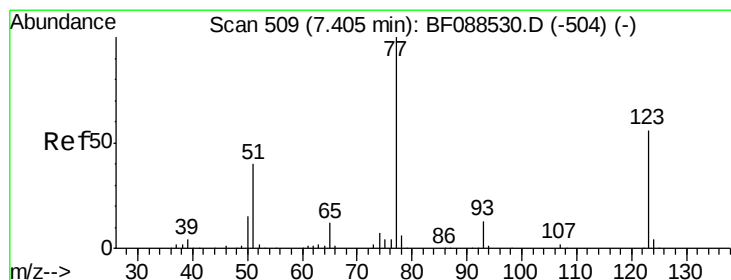
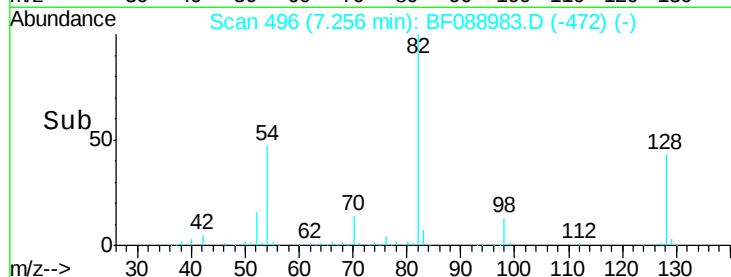
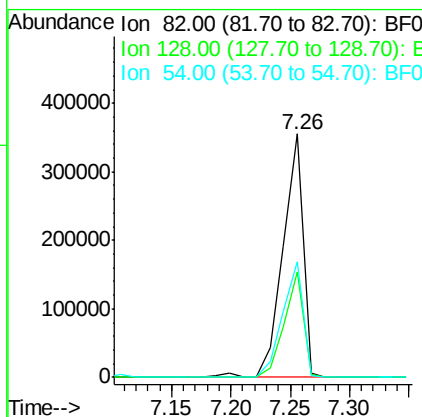
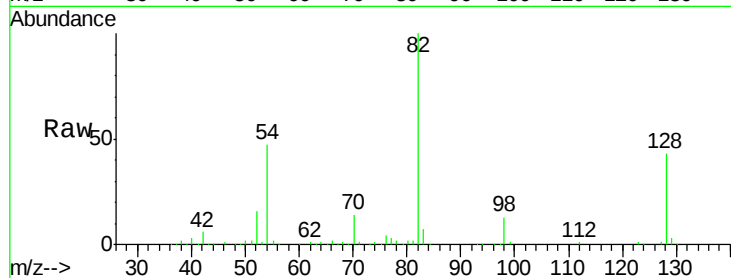
#23
Nitrobenzene-d5
Concen: 72.51 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.9	53.9
54	47.4	40.9	61.3

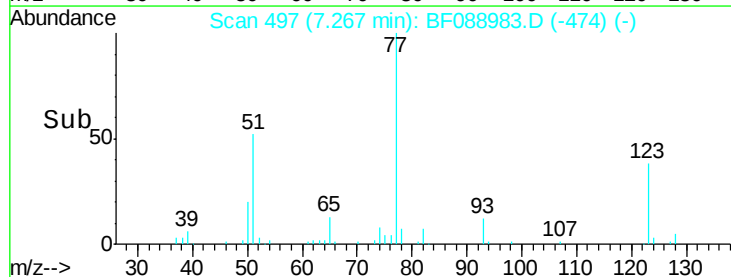
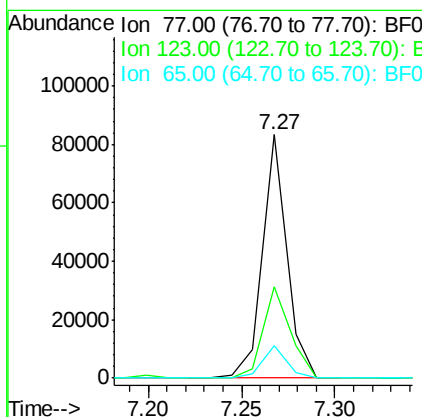
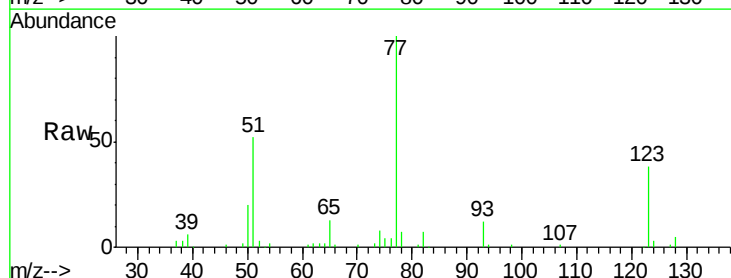
Manual Integrations

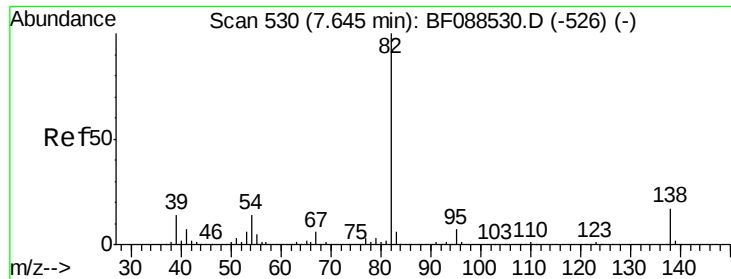
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#24
Nitrobenzene
Concen: 12.96 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.7	45.0	67.4#
65	13.4	10.2	15.2





#25

Isophorone

Concen: 12.91 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

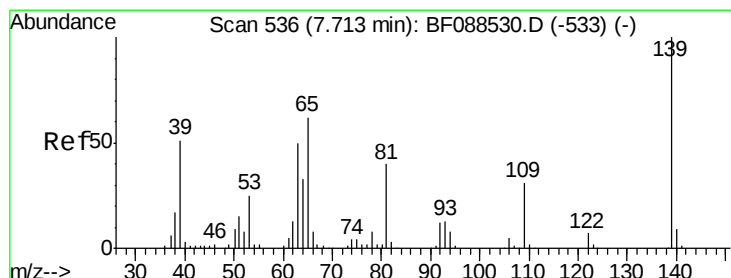
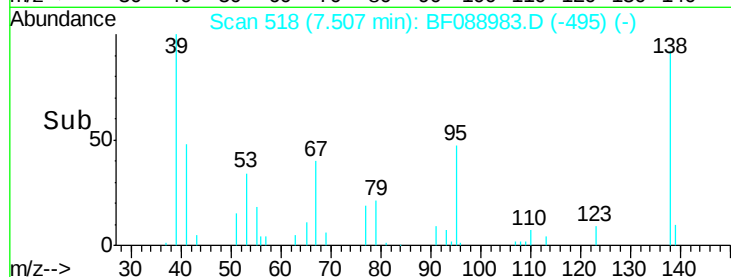
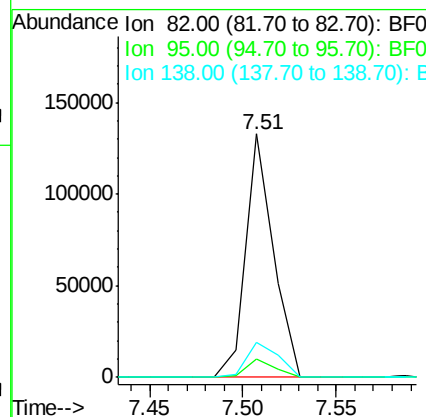
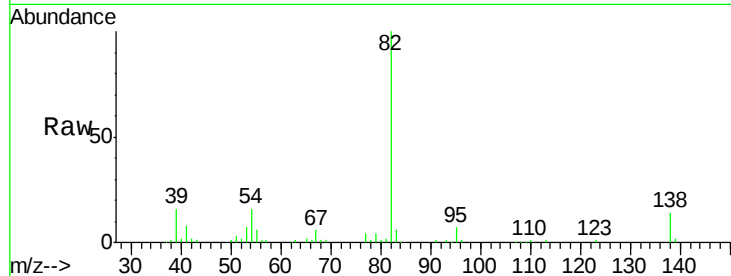
LOQ-SOIL2016-02

Tot Ion:	82	Resp:	136815
Ion Ratio		Lower	Upper
82	100		
95	7.3	5.4	8.2
138	14.3	14.6	21.8#

Manual Integrations

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#26

2-Nitrophenol

Concen: 15.68 ng

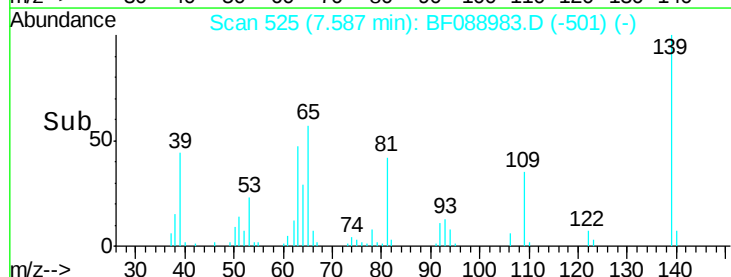
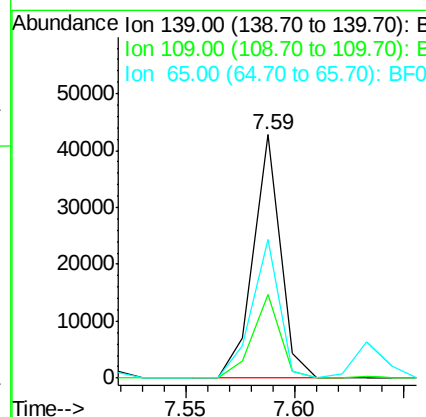
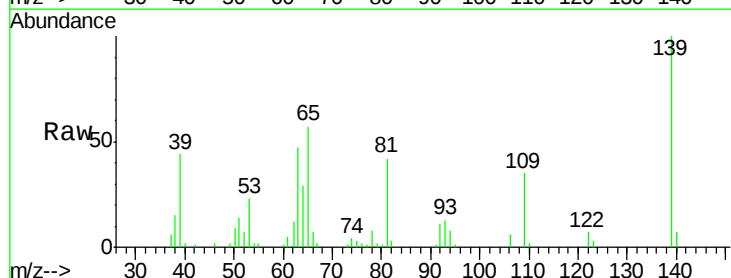
RT: 7.59 min Scan# 525

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	139	Resp:	37097
Ion Ratio		Lower	Upper
139	100		
109	34.5	23.0	34.4#
65	56.8	45.8	68.8





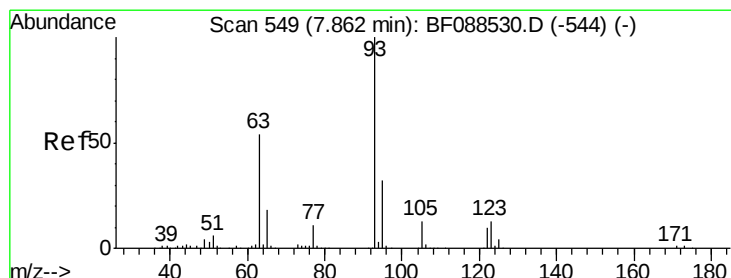
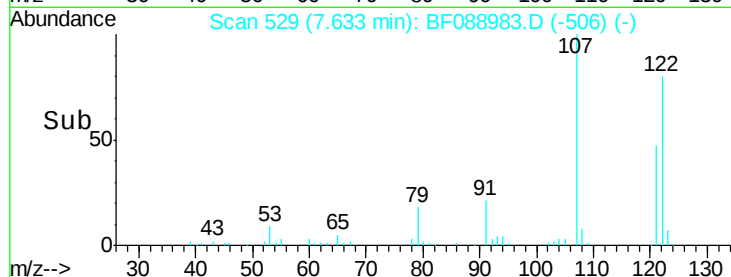
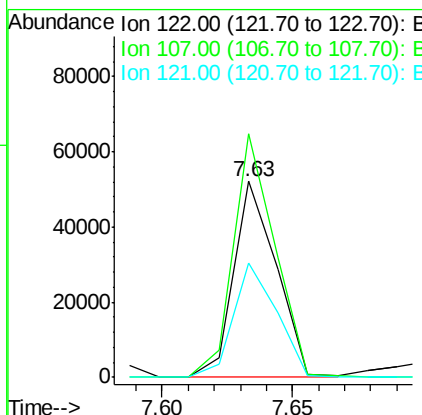
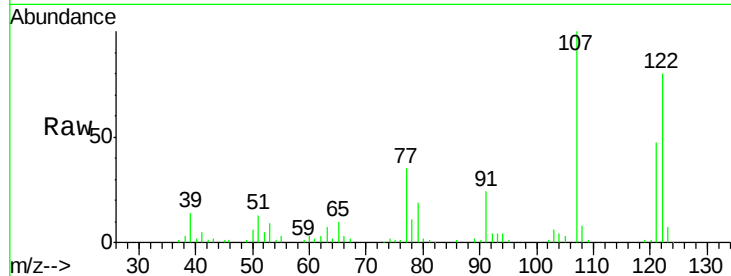
#27
2,4-Dimethylphenol
Concen: 12.11 ng
RT: 7.63 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion:122 Resp: 59660
Ion Ratio Lower Upper
122 100
107 124.3 82.4 123.6#
121 58.5 46.3 69.5

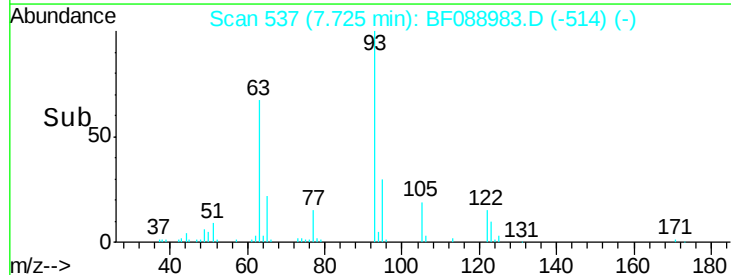
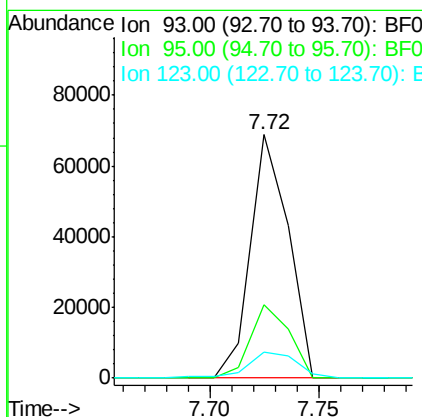
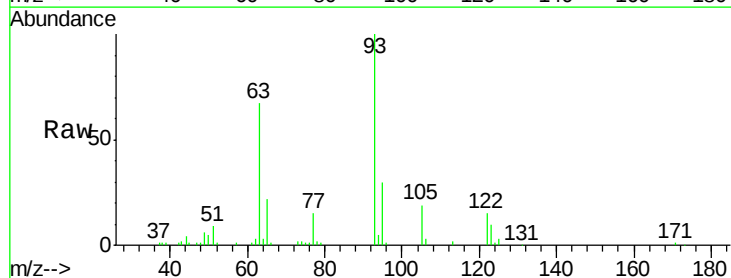
Manual Integrations

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#28
bis(2-Chloroethoxy)methane
Concen: 12.13 ng
RT: 7.72 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion: 93 Resp: 83664
Ion Ratio Lower Upper
93 100
95 30.3 26.5 39.7
123 10.5 11.6 17.4#





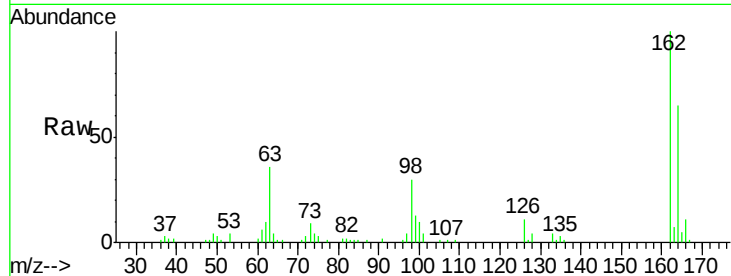
#29
2,4-Dichlorophenol
Concen: 14.52 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

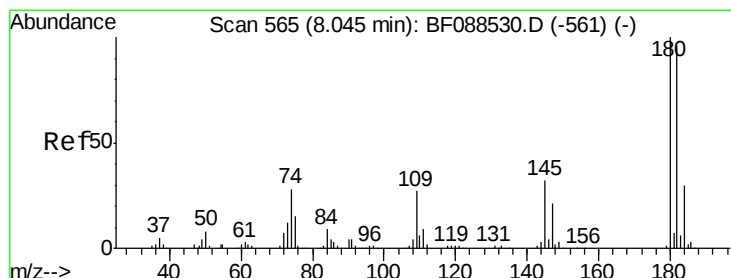
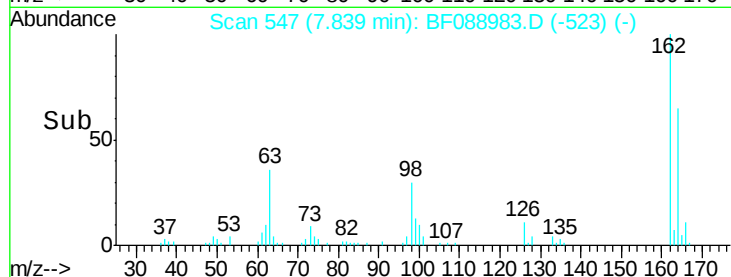
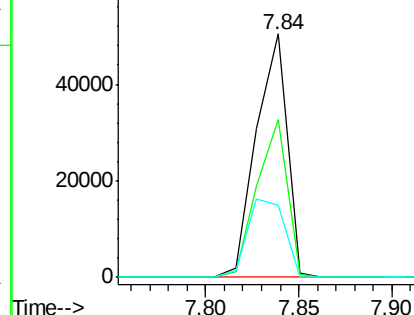
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.8	83.8
98	29.7	21.3	61.3

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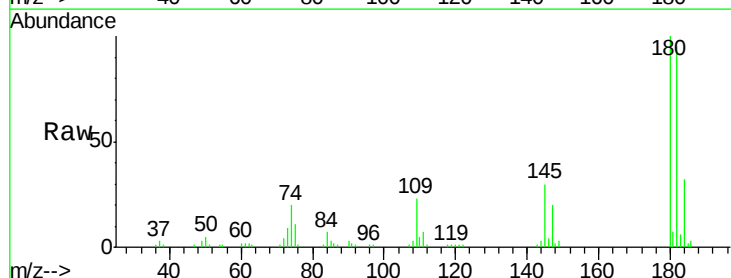


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

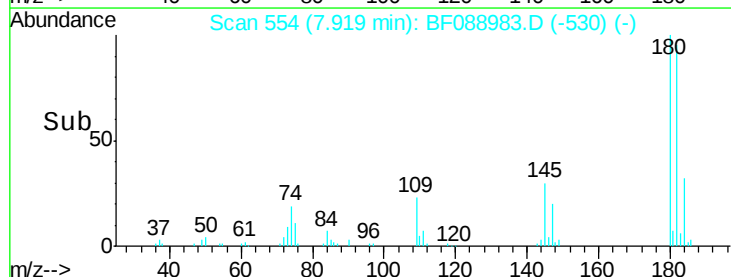
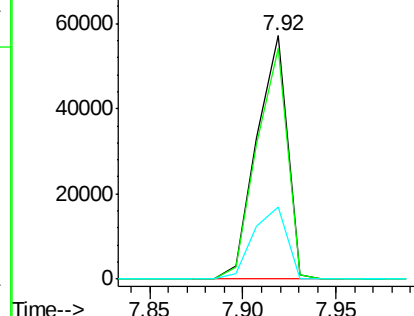


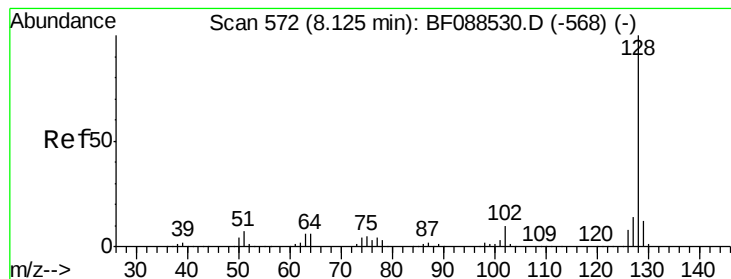
#30
1,2,4-Trichlorobenzene
Concen: 14.83 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.0	114.0
145	29.8	26.5	39.7



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: 13.51 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

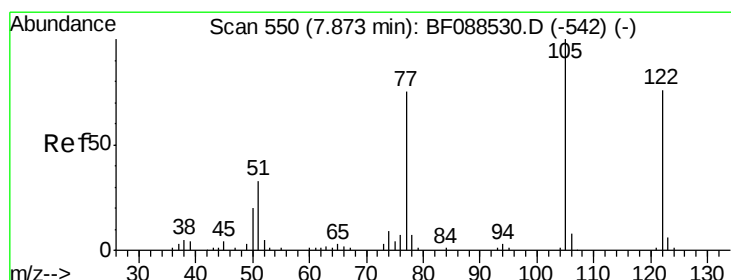
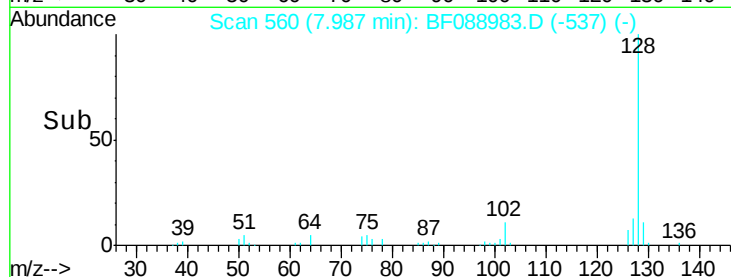
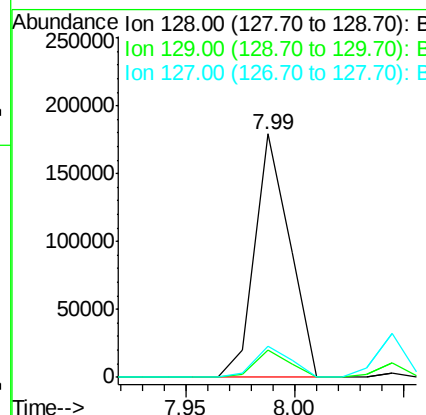
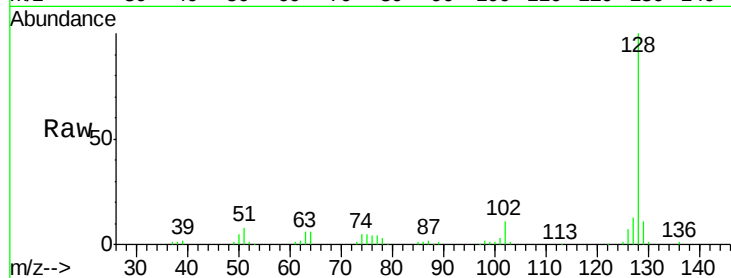
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Tot Ion:	128	Resp:	199759
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.4	14.2
127	13.0	10.9	16.3

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#32

Benzoic acid

Concen: 10.89 ng

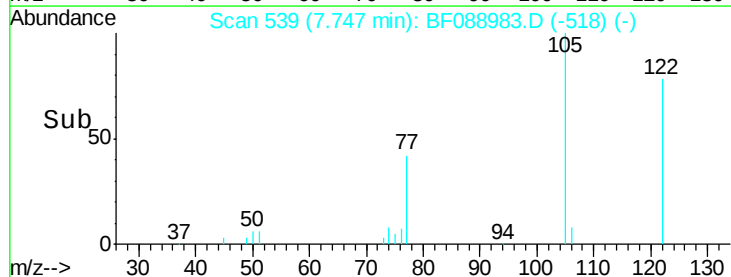
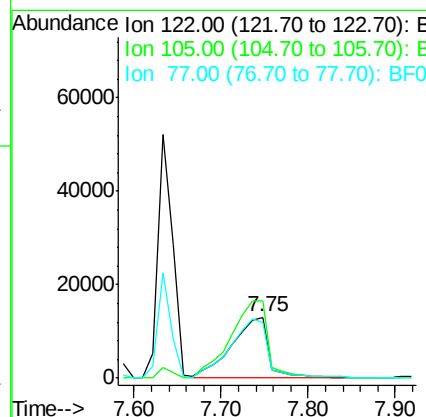
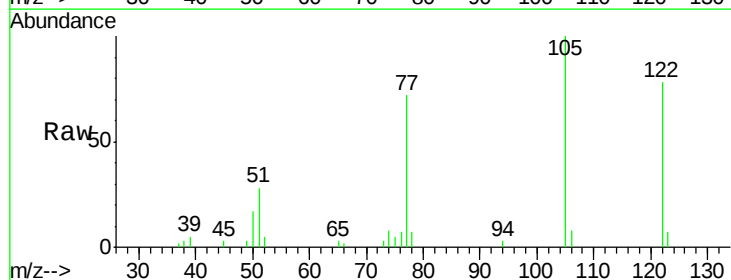
RT: 7.75 min Scan# 539

Delta R.T. -0.06 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	122	Resp:	38946
Ion Ratio	Lower	Upper	
122	100		
105	127.8	101.6	141.6
77	91.9	70.6	110.6





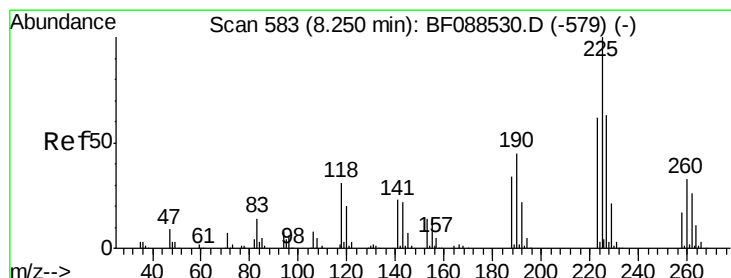
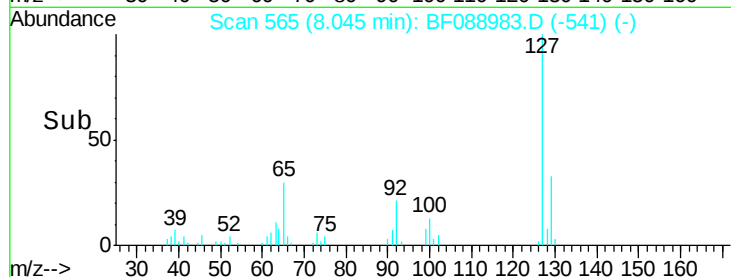
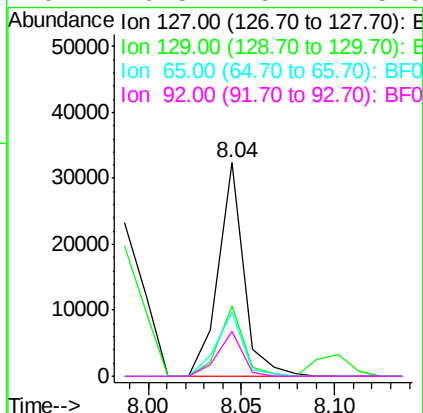
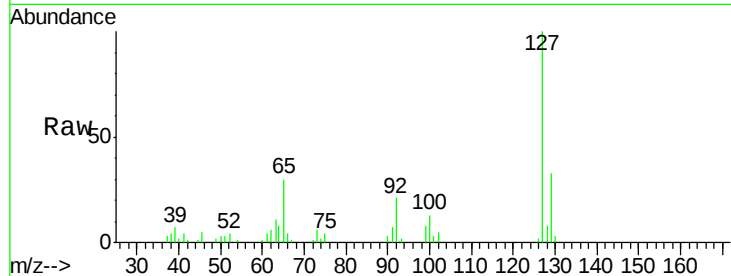
#33
4-Chloroaniline
Concen: 4.70 ng
RT: 8.04 min Scan# 565
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		30881		
129	33.0	26.3	39.5		
65	30.2	24.7	37.1		
92	20.8	15.4	23.0		

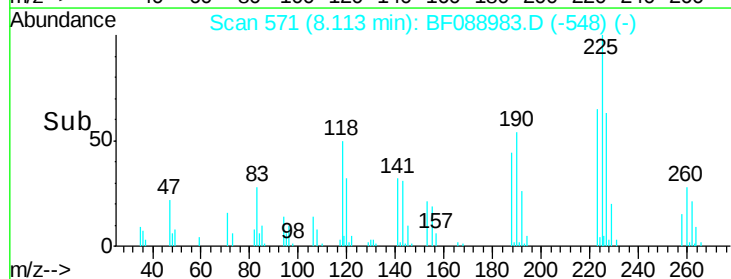
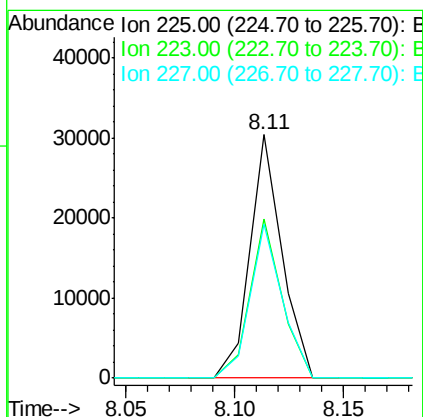
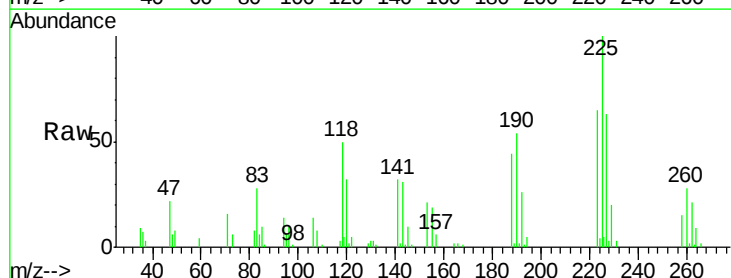
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#34
Hexachlorobutadiene
Concen: 13.33 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		31203		
223	65.4	50.9	76.3		
227	63.0	51.9	77.9		





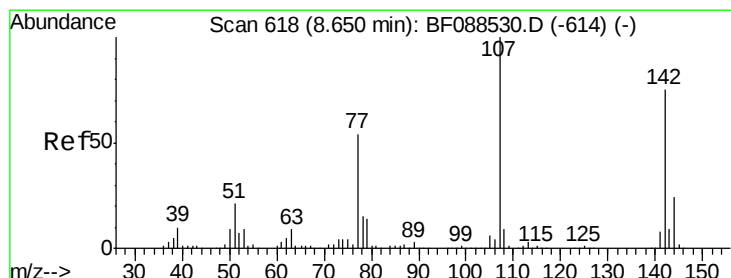
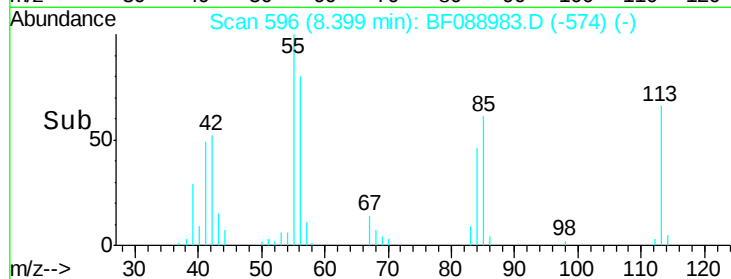
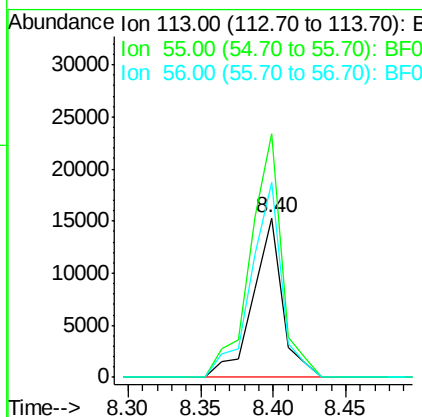
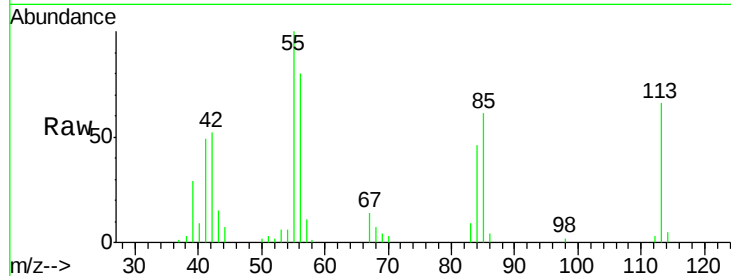
#35
 Caprolactam
 Concen: 15.96 ng
 RT: 8.40 min Scan# 596
 Delta R.T. -0.05 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion:113 Resp: 21587
 Ion Ratio Lower Upper
 113 100
 55 152.6 158.6 198.6#
 56 122.0 110.6 150.6

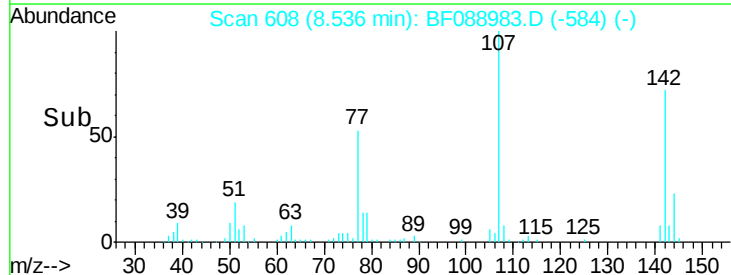
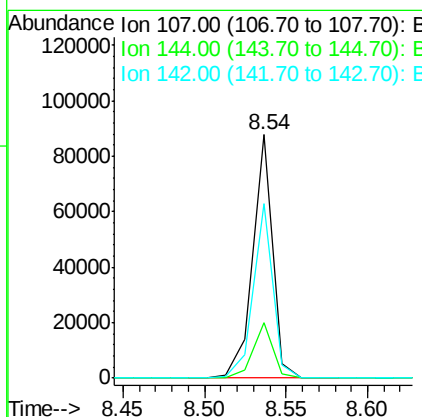
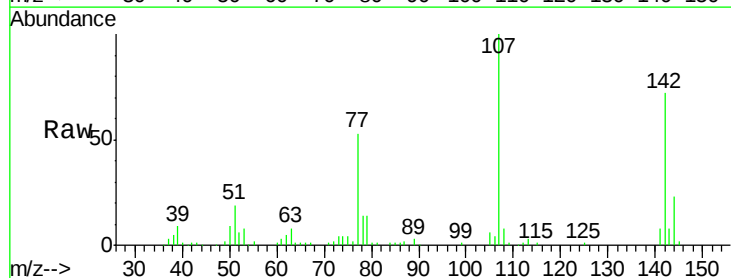
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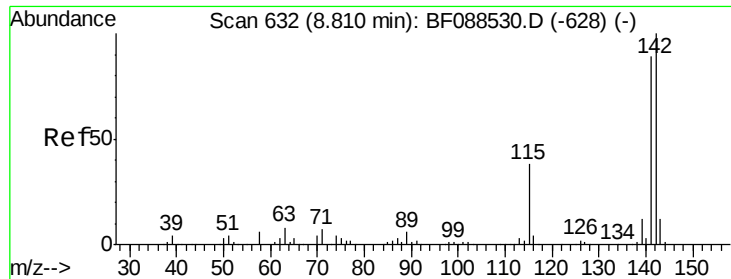
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#36
 4-Chloro-3-methylphenol
 Concen: 15.82 ng
 RT: 8.54 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:107 Resp: 74507
 Ion Ratio Lower Upper
 107 100
 144 22.8 20.8 31.2
 142 71.6 63.4 95.2





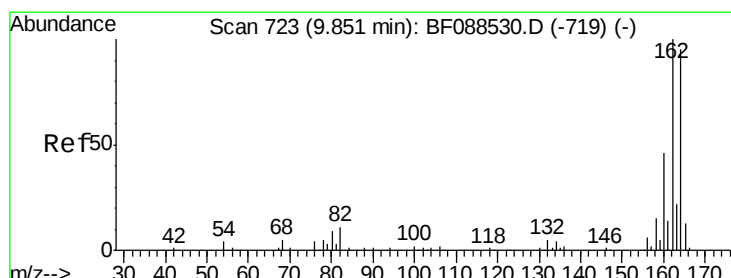
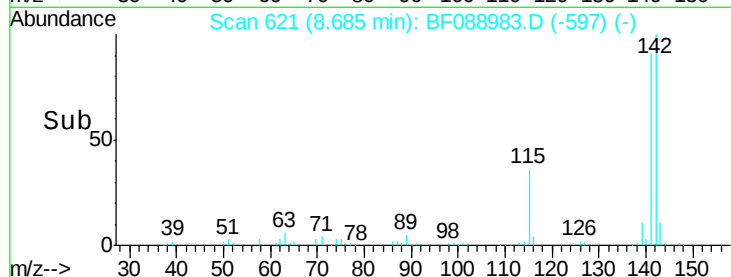
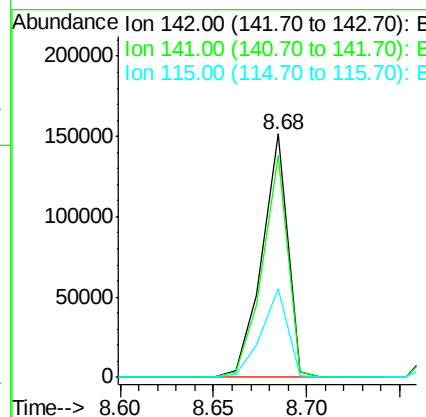
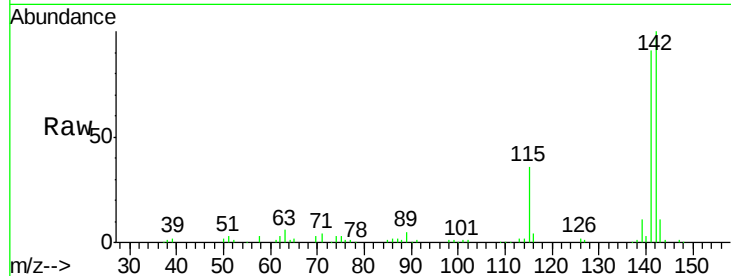
#37
2-Methylnaphthalene
Concen: 15.13 ng
RT: 8.68 min Scan# 621
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.0	106.6
115	36.3	22.6	33.8

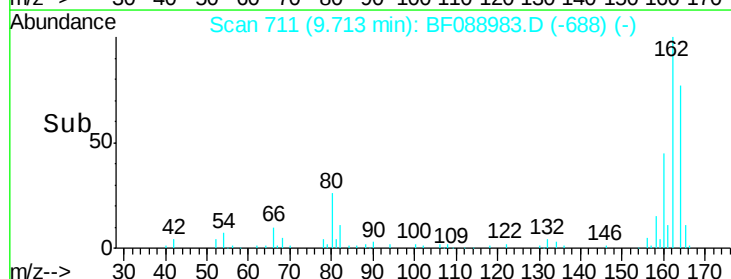
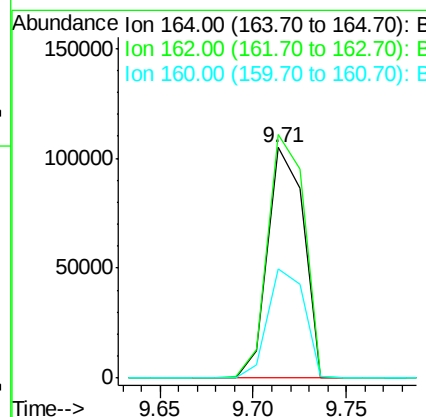
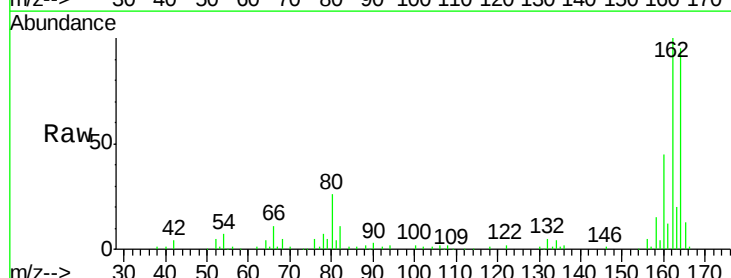
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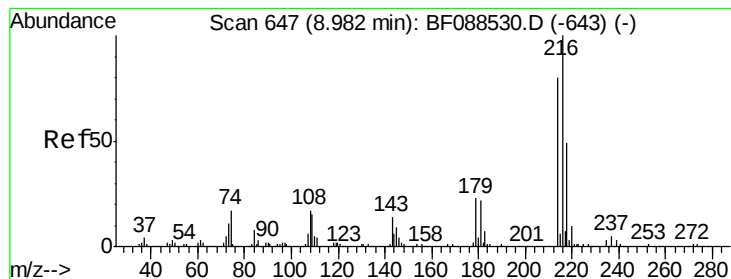
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	85.4	128.2
160	47.2	39.5	59.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 12.30 ng

RT: 8.84 min Scan# 635

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:216 Resp: 57336

Ion Ratio Lower Upper

216 100

214 76.6 2.9 4.3#

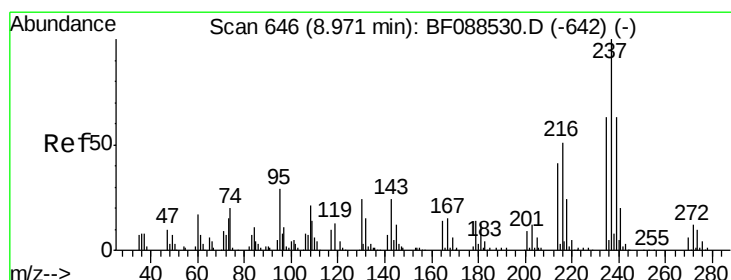
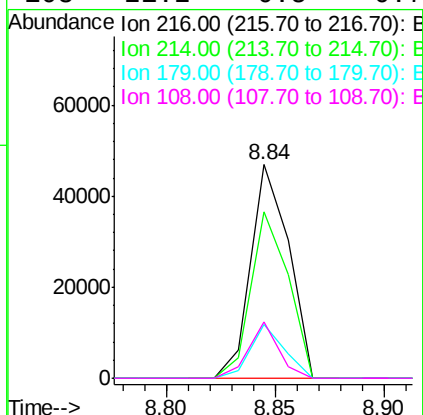
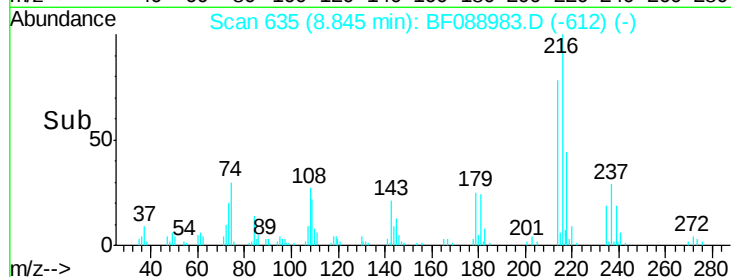
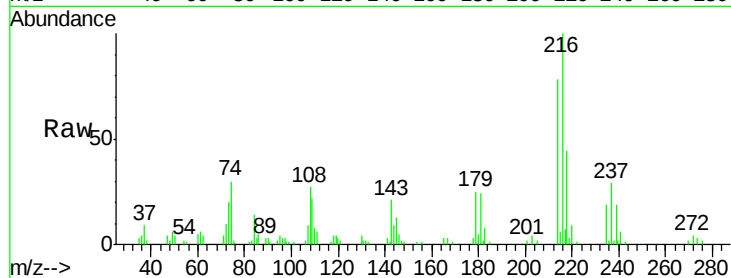
179 22.7 0.0 0.0#

108 21.2 0.5 0.7#

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#40

Hexachlorocyclopentadiene

Concen: 8.82 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

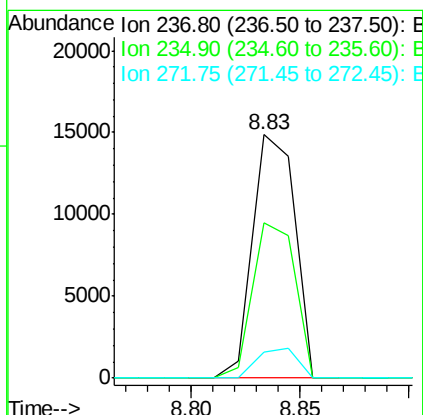
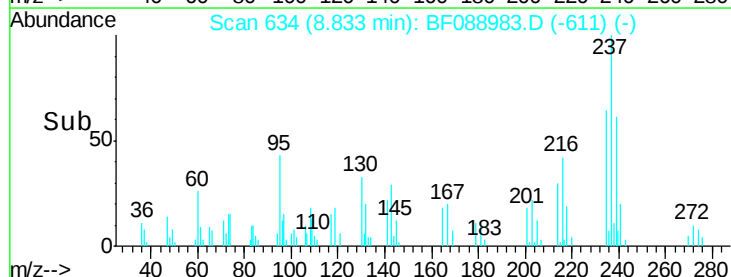
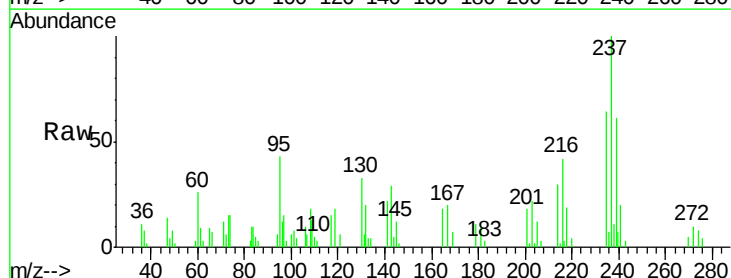
Tgt Ion:237 Resp: 20168

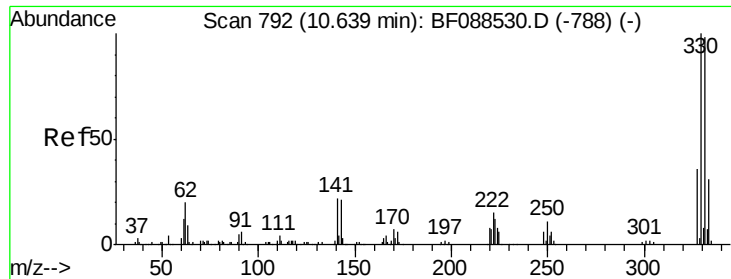
Ion Ratio Lower Upper

237 100

235 64.0 43.4 83.4

272 10.5 0.0 32.3





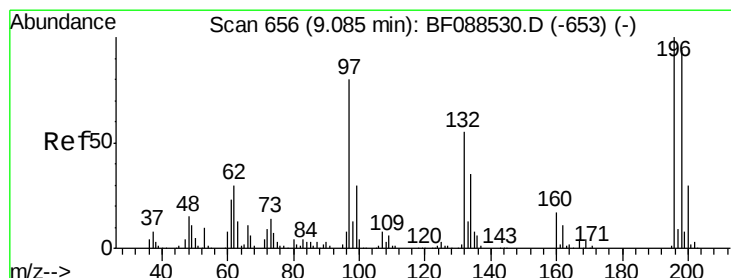
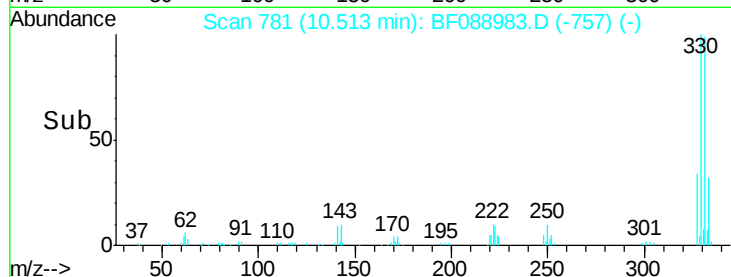
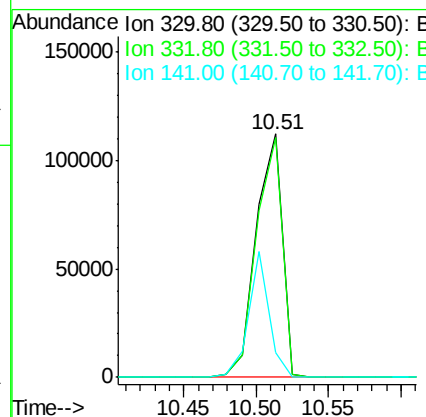
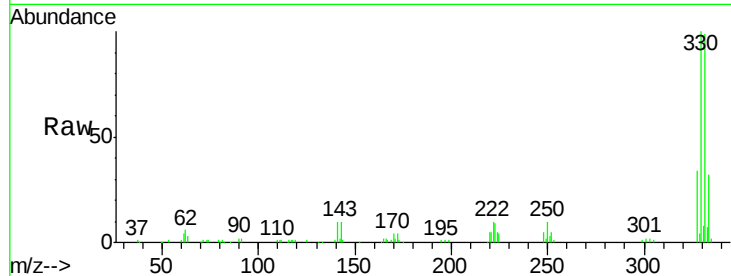
#41
 2,4,6-Tribromophenol
 Concen: 108.21 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.9	0.0	0.0	0.0
141	40.4	0.0	0.0	0.0

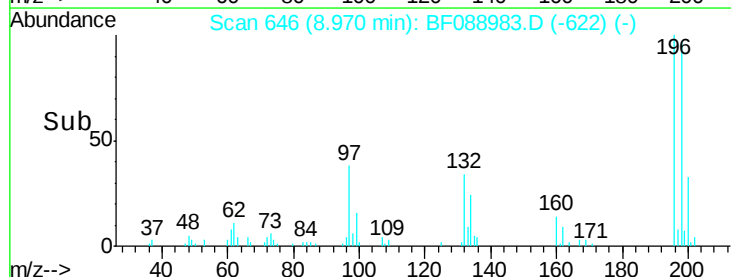
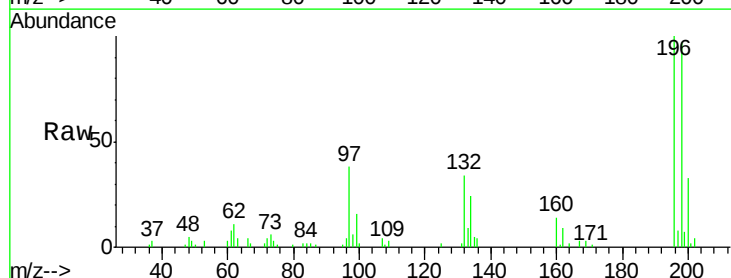
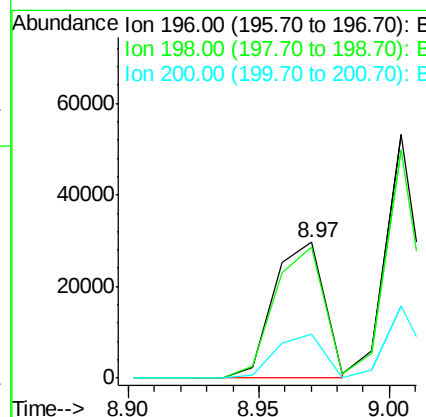
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#42
 2,4,6-Trichlorophenol
 Concen: 12.98 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	96.7	78.0	117.0	
200	32.5	25.4	38.2	





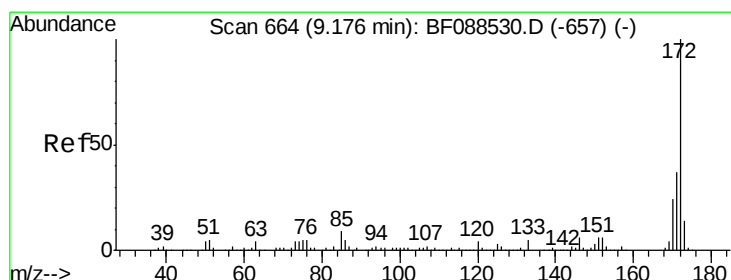
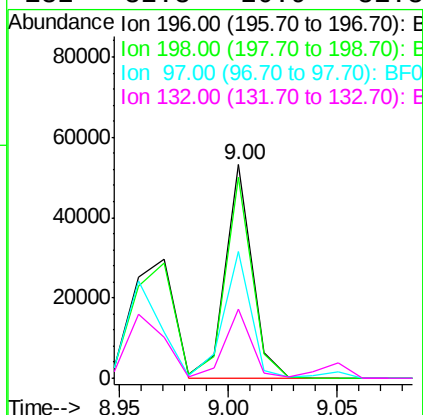
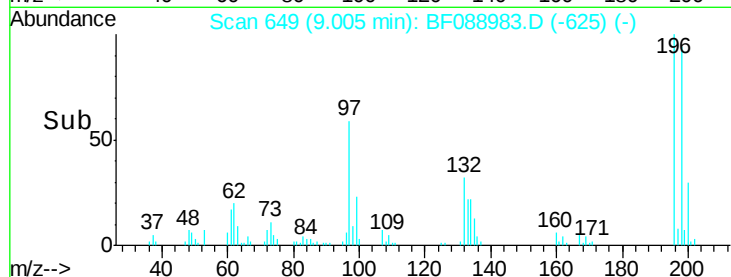
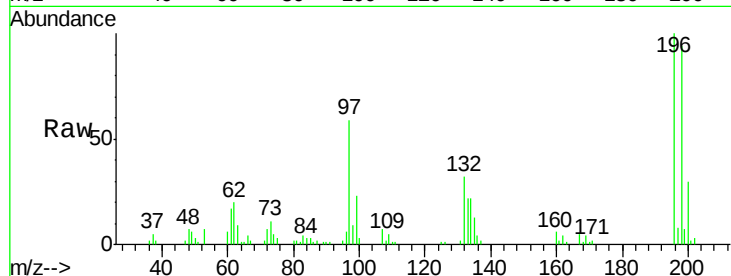
#43
 2,4,5-Trichlorophenol
 Concen: 17.11 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion:	196	Resp:	45229
Ion Ratio	Lower	Upper	
196	100		
198	93.9	77.5	116.3
97	59.3	32.0	48.0#
132	32.3	20.9	31.3#

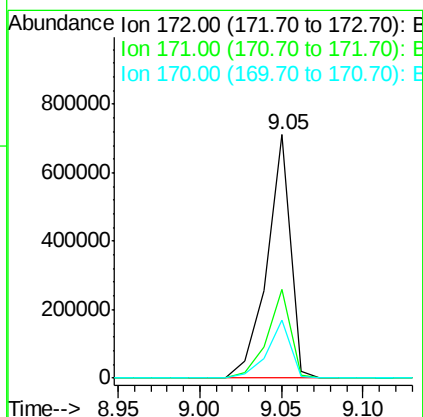
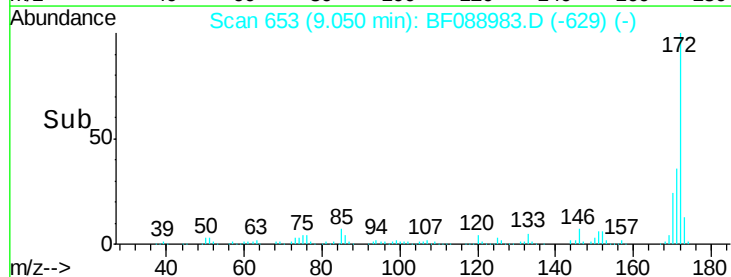
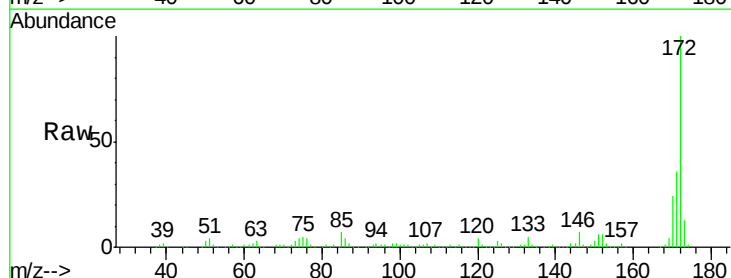
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#44
 2-Fluorobiphenyl
 Concen: 80.09 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion:	172	Resp:	710576
Ion Ratio	Lower	Upper	
172	100		
171	36.5	28.6	43.0
170	23.9	19.2	28.8





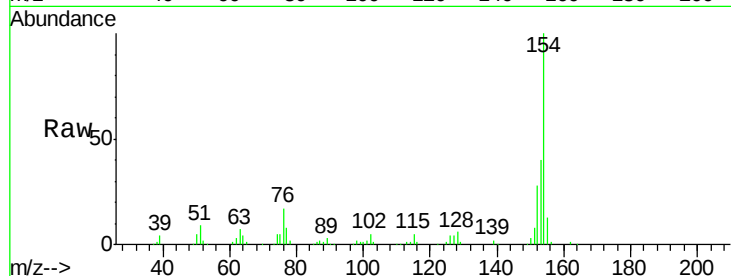
#45
 1,1'-Biphenyl
 Concen: 13.27 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

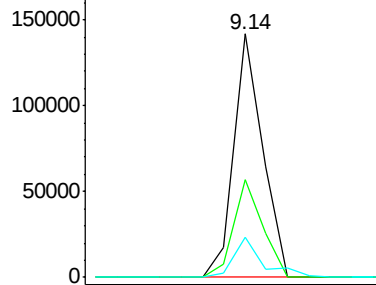
Tot Ion:	154	Resp:	154019
Ion Ratio	Lower	Upper	
154	100		
153	40.3	20.6	60.6
76	16.6	0.0	35.1

Manual Integrations

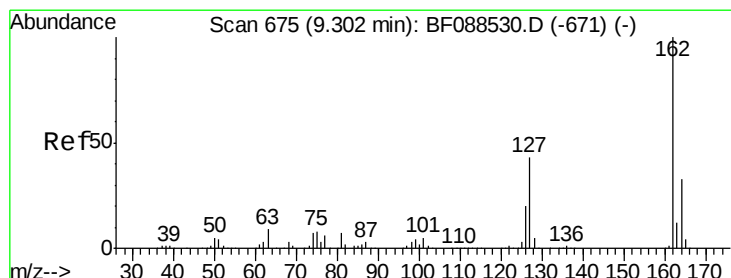
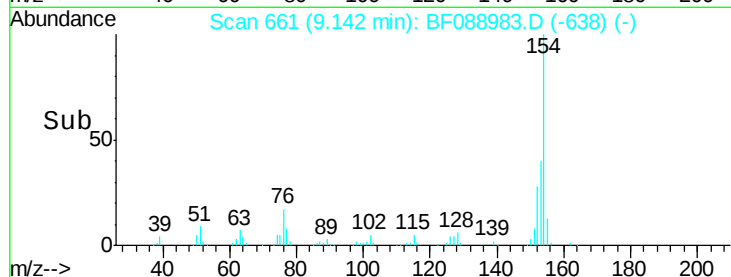
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Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

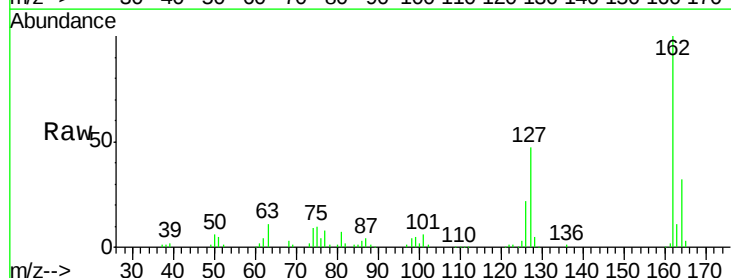


Time-->

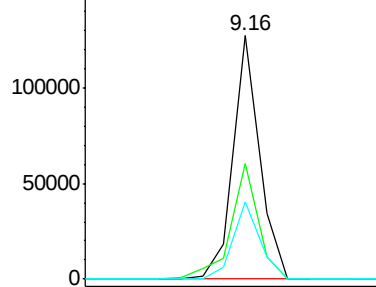


#46
 2-Chloronaphthalene
 Concen: 13.67 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

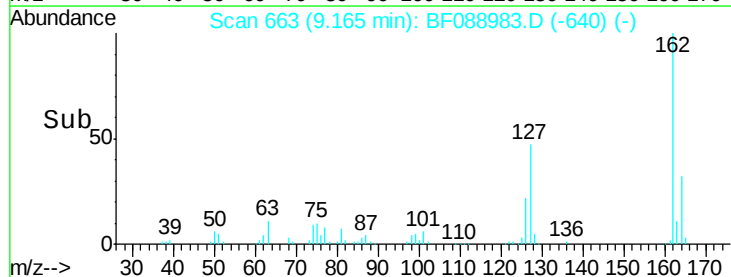
Tgt Ion:	162	Resp:	124569
Ion Ratio	Lower	Upper	
162	100		
127	47.5	35.2	52.8
164	31.9	26.6	39.8

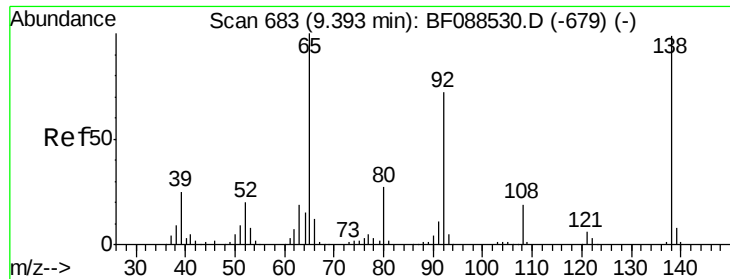


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E



Time-->





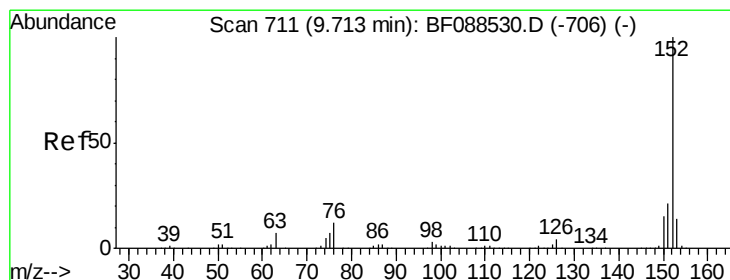
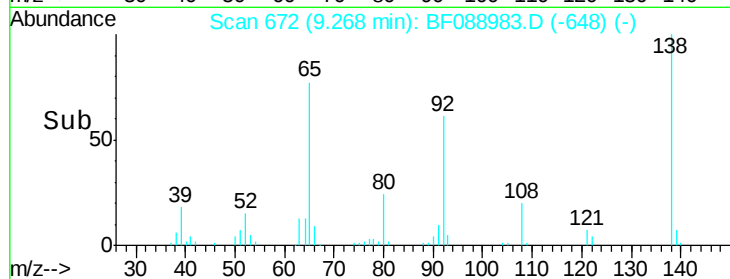
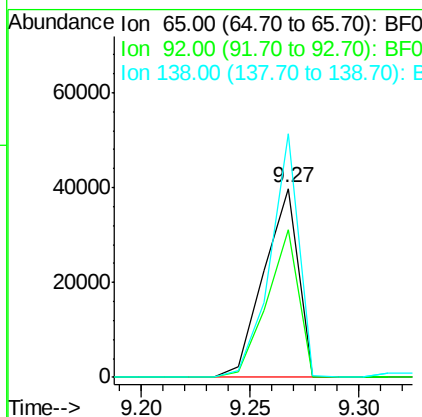
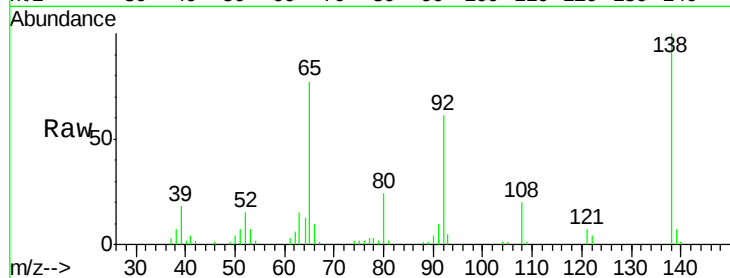
#47
 2-Nitroaniline
 Concen: 13.64 ng
 RT: 9.27 min Scan# 672
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
65	100		
92	78.5	54.6	82.0
138	129.1	77.0	115.4

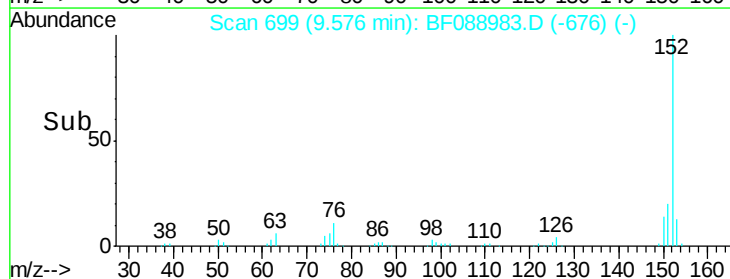
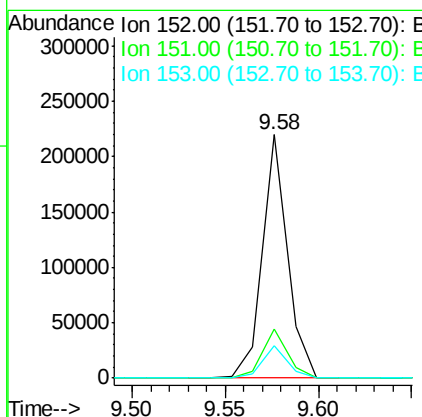
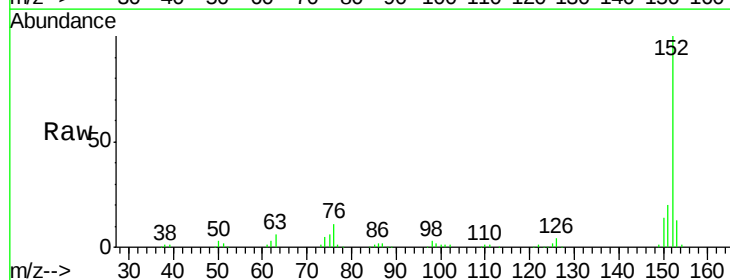
Manual Integrations

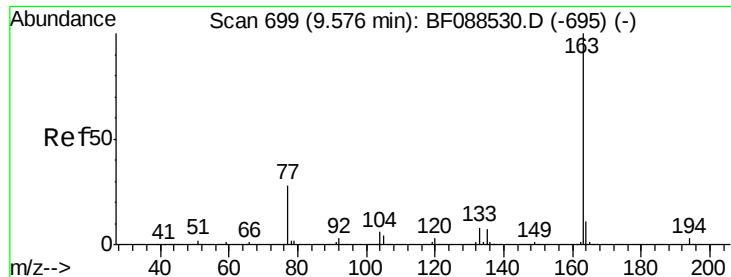
APPROVED
 Sohil
 7/15/2016 9:16:19 AM



#48
 Acenaphthylene
 Concen: 14.02 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	13.3	11.0	16.6





#49

Dimethylphthalate

Concen: 16.55 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

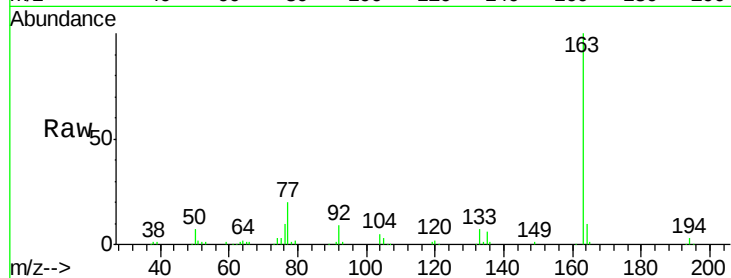
LOQ-SOIL2016-02

Tot Ion:	163	Resp:	165260
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.8	4.2
164	10.0	8.3	12.5

Manual Integrations

Sohil

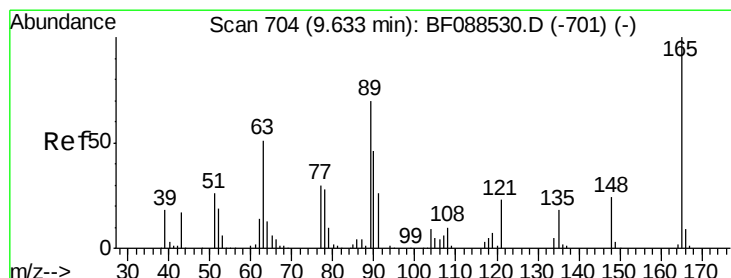
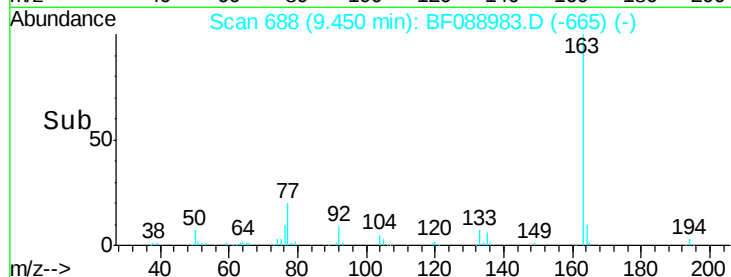
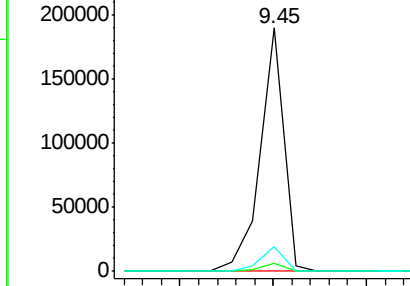
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 15.43 ng

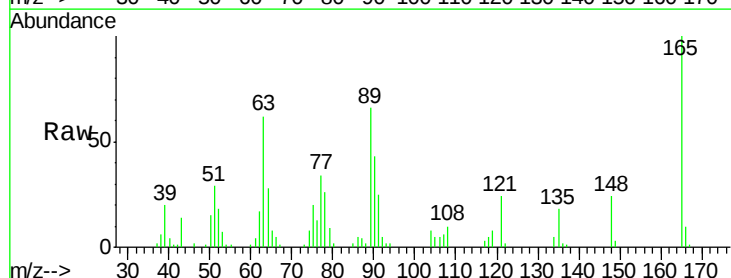
RT: 9.51 min Scan# 693

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

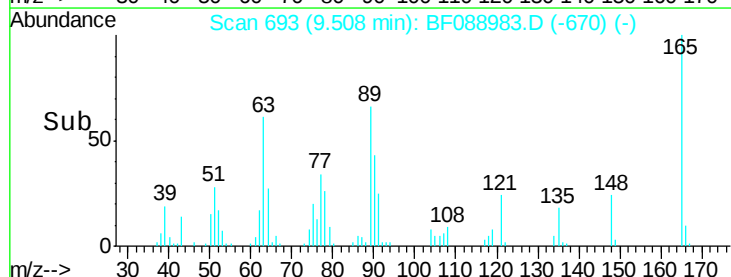
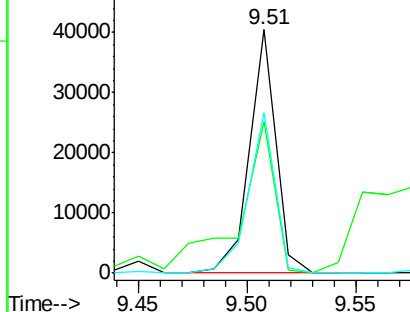
Tgt Ion:	165	Resp:	34152
Ion Ratio	Lower	Upper	
165	100		
63	62.0	28.1	42.1#
89	66.1	32.2	48.2#

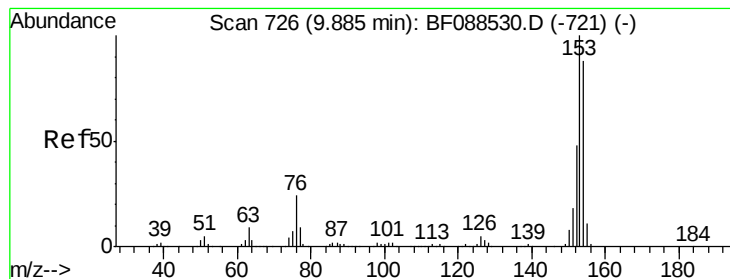


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 14.78 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:154 Resp: 131283

Ion Ratio Lower Upper

154 100

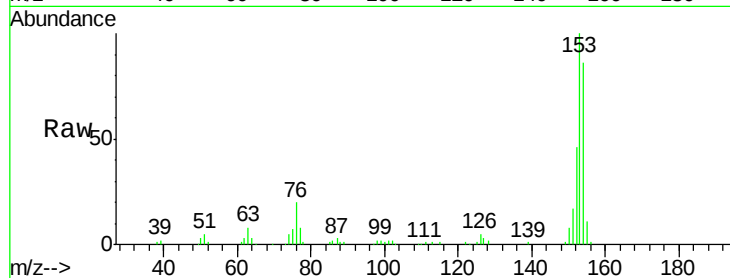
153 117.0 89.5 134.3

152 53.8 42.7 64.1

Manual Integrations

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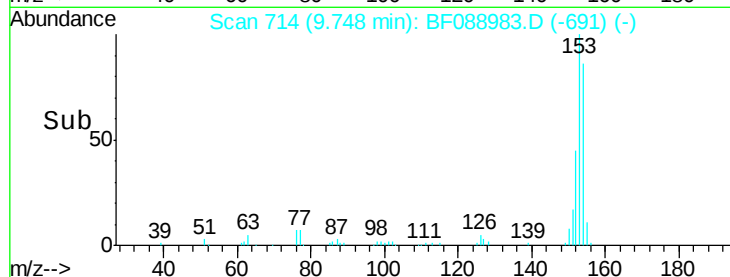
7/15/2016 9:16:19 AM



Abundance Ion 154.00 (153.70 to 154.70): E

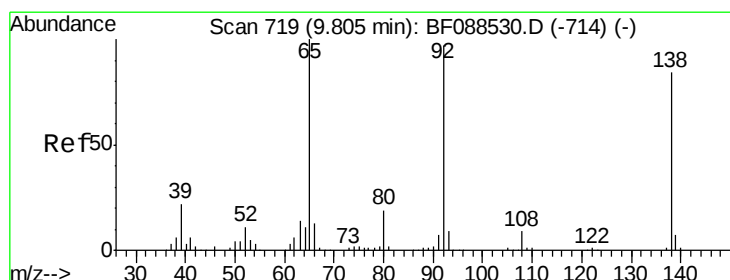
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Abundance

Time-->



#52

3-Nitroaniline

Concen: 6.59 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

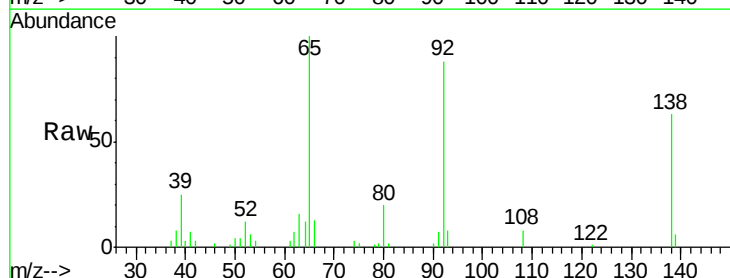
Tgt Ion:138 Resp: 18528

Ion Ratio Lower Upper

138 100

108 12.4 8.5 12.7

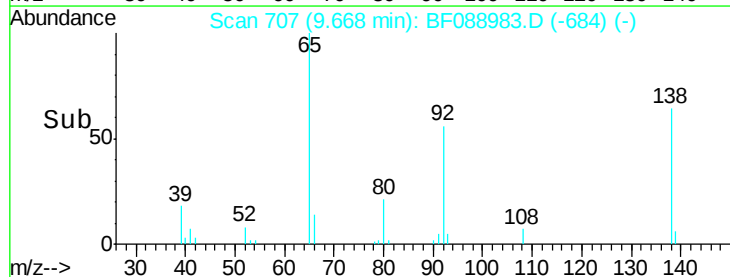
92 139.1 95.7 143.5



Abundance Ion 138.00 (137.70 to 138.70): E

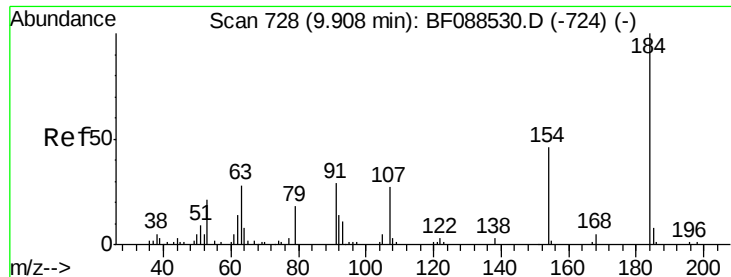
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



Abundance

Time-->



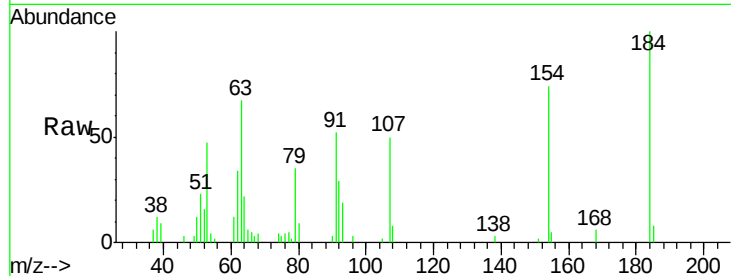
#53
2,4-Dinitrophenol
Concen: 13.96 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

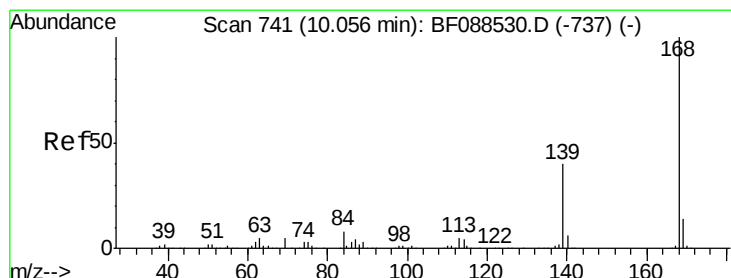
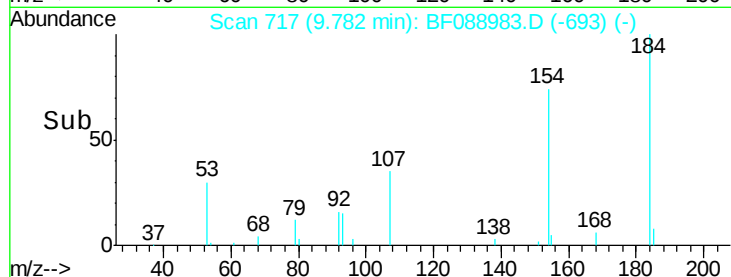
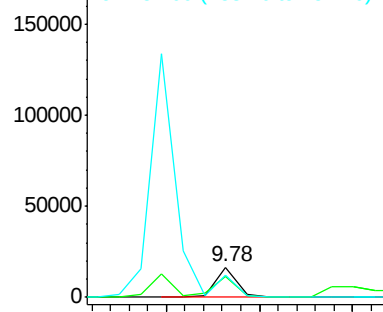
Tot Ion:184 Resp: 13640
Ion Ratio Lower Upper
184 100
63 67.2 57.6 86.4
154 73.9 53.5 80.3

Manual Integrations

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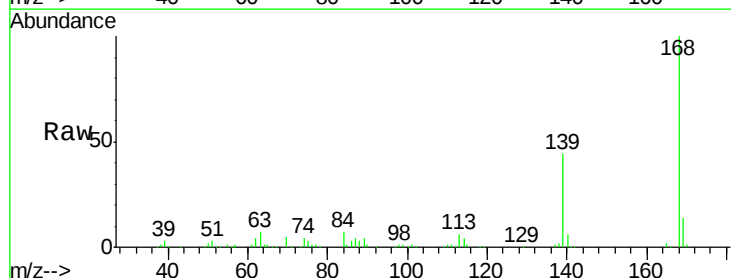


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

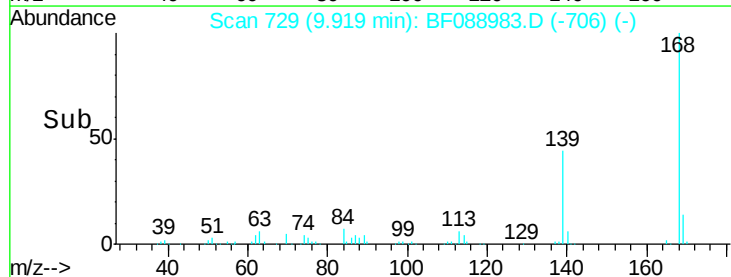
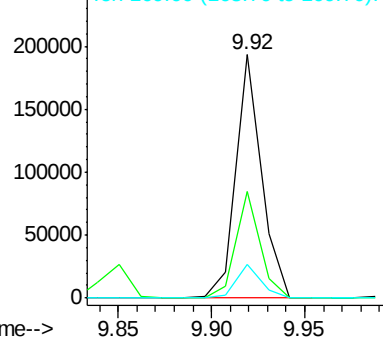


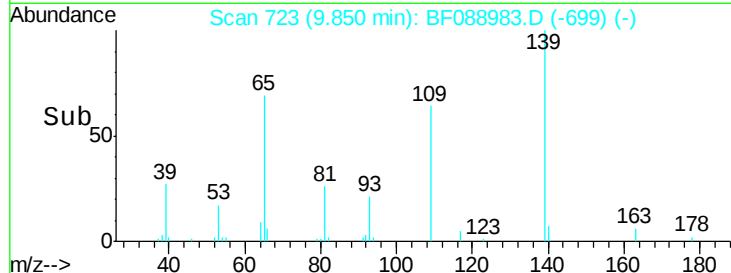
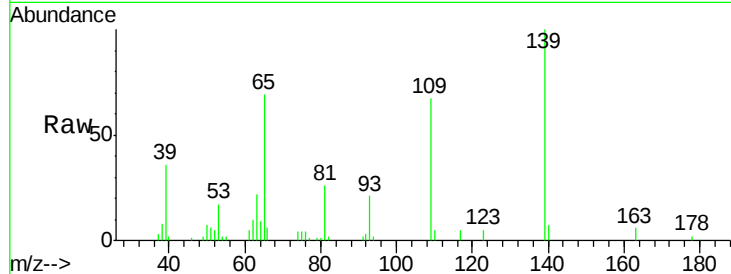
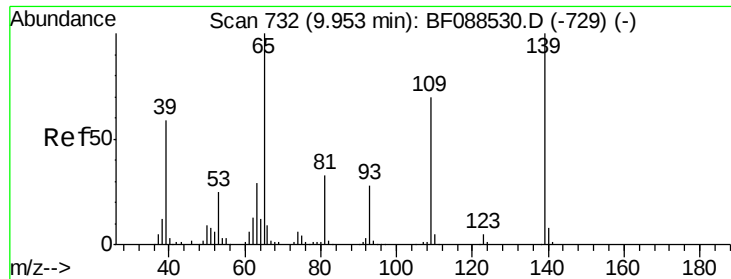
#54
Dibenzofuran
Concen: 15.74 ng
RT: 9.92 min Scan# 729
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion:168 Resp: 183094
Ion Ratio Lower Upper
168 100
139 43.7 26.4 39.6#
169 13.6 10.4 15.6



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





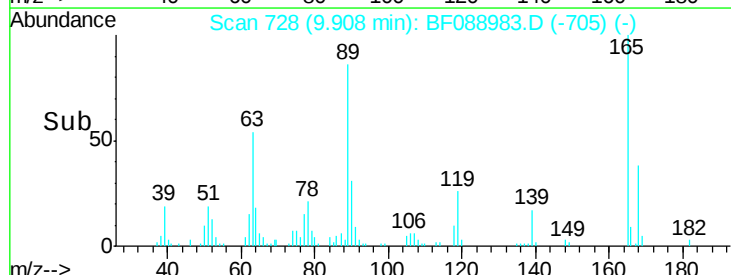
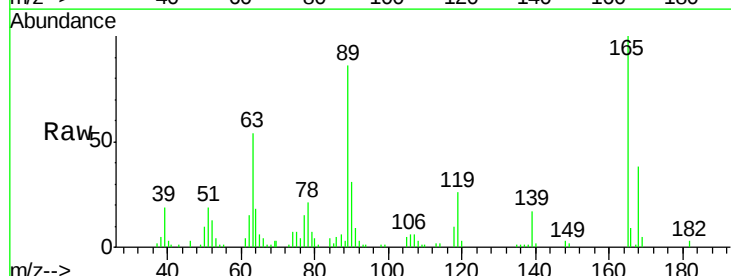
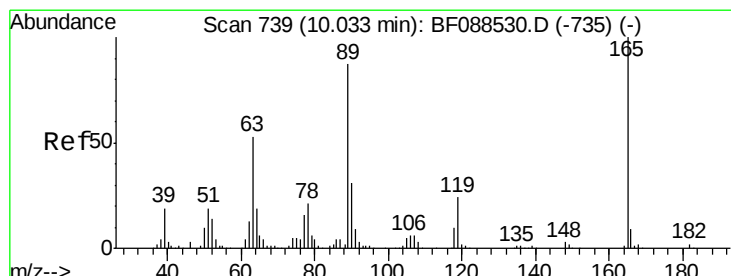
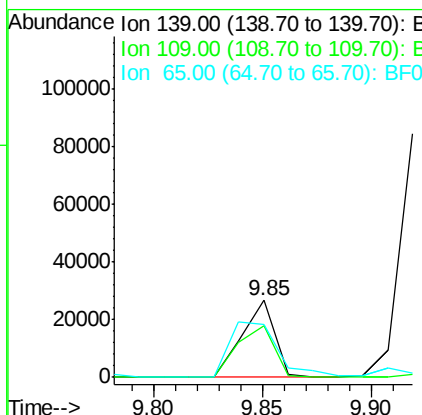
#55
4-Nitrophenol
Concen: 13.11 na
RT: 9.85 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tot Ion	Ratio	Resp	Lower	Upper
139	100	28015		
109	66.8	48.9	88.9	
65	68.8	84.9	124.9	

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

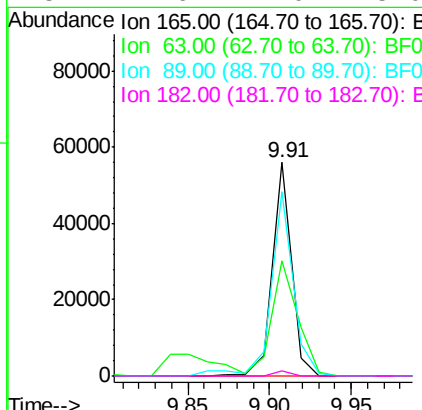
Manual Integrations

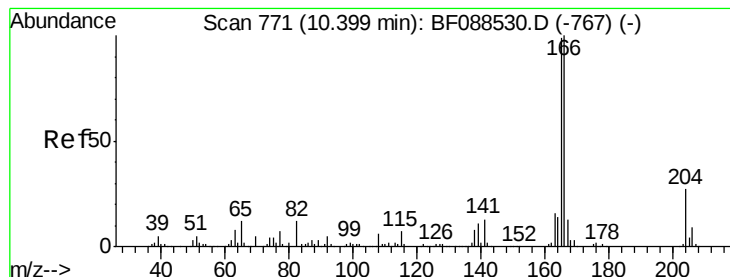
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#56
2,4-Dinitrotoluene
Concen: 15.92 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	46061		
63	54.1	22.0	33.0	
89	86.3	41.1	61.7	
182	2.6	2.0	3.0	





#57

Fluorene

Concen: 17.25 ng

RT: 10.26 min Scan# 759

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

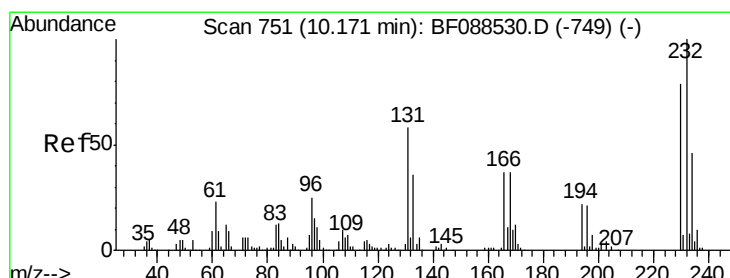
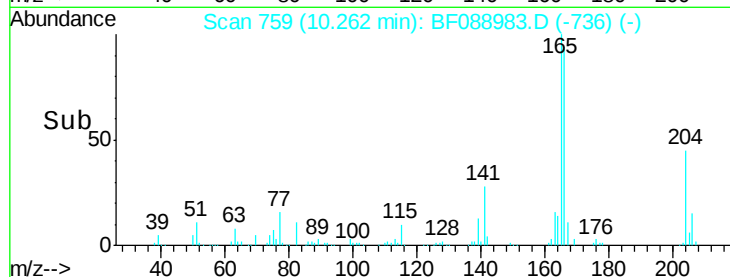
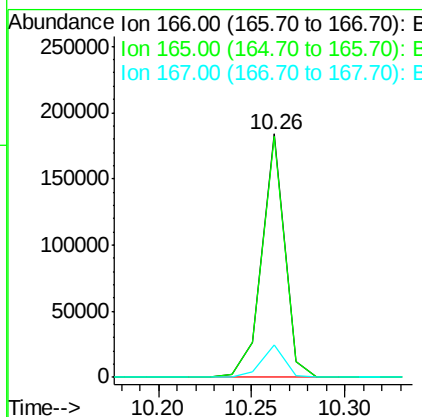
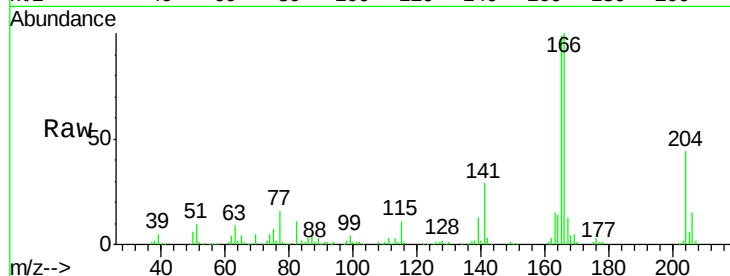
LOQ-SOIL2016-02

Tot Ion:	166	Resp:	154631
Ion Ratio	Lower	Upper	
166	100		
165	99.1	77.8	116.8
167	13.2	11.2	16.8

Manual Integrations

Sohil

7/15/2016 9:16:19 AM



#58

2,3,4,6-Tetrachlorophenol

Concen: 16.64 ng

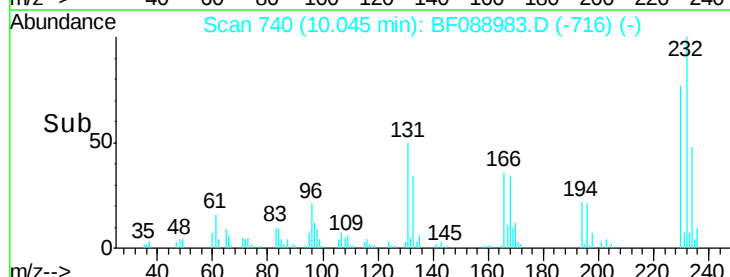
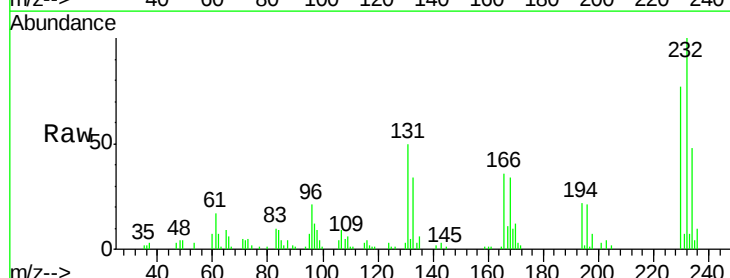
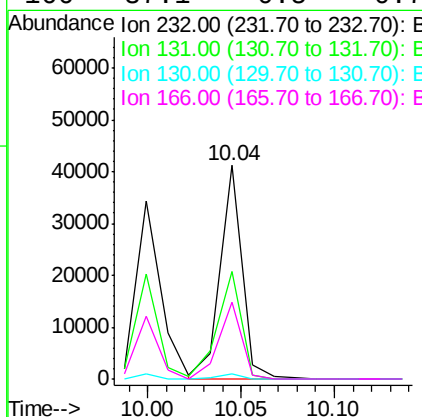
RT: 10.04 min Scan# 740

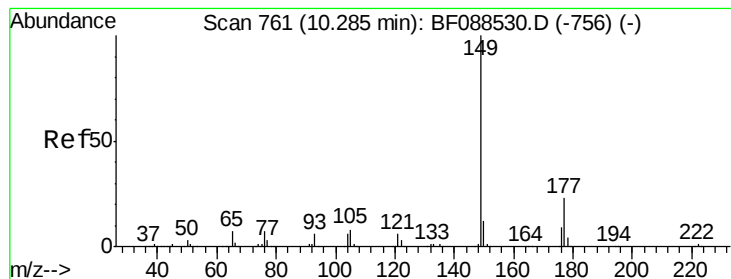
Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	232	Resp:	34037
Ion Ratio	Lower	Upper	
232	100		
131	54.7	0.9	1.3#
130	2.9	1.5	2.3#
166	37.1	0.5	0.7#





#59

Diethylphthalate

Concen: 15.71 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

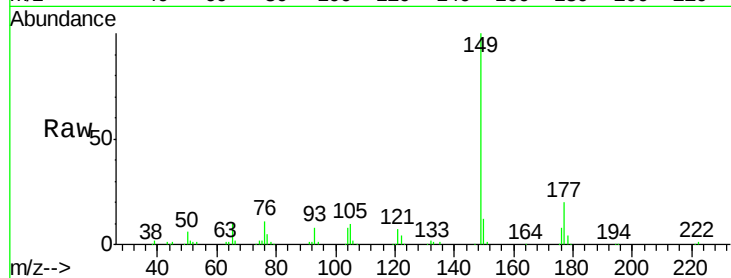
LOQ-SOIL2016-02

Tot Ion:	149	Resp:	157358
Ion Ratio	Lower	Upper	
149	100		
177	20.0	16.9	25.3
150	12.5	10.1	15.1

Manual Integrations

Sohil

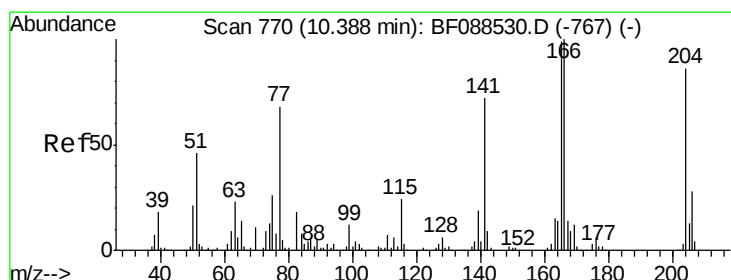
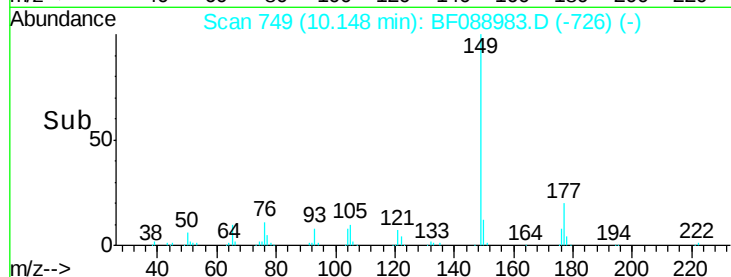
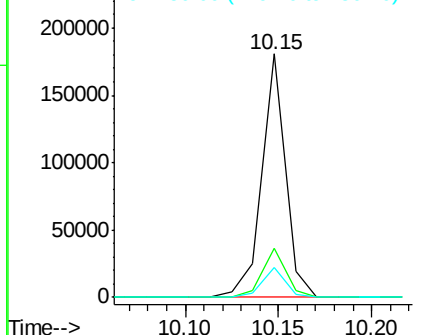
7/15/2016 9:16:19 AM



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: 16.74 ng

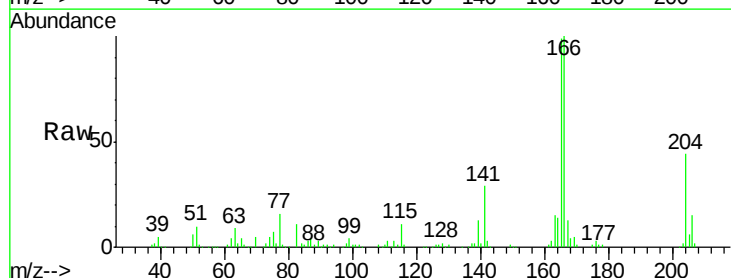
RT: 10.26 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

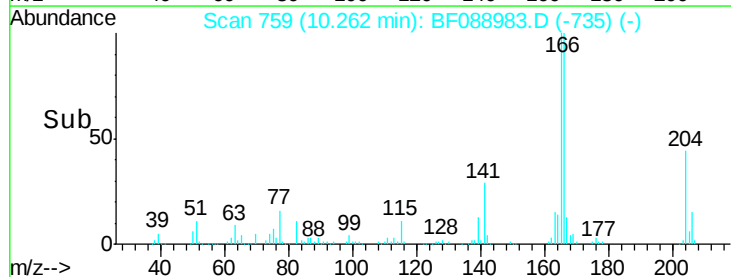
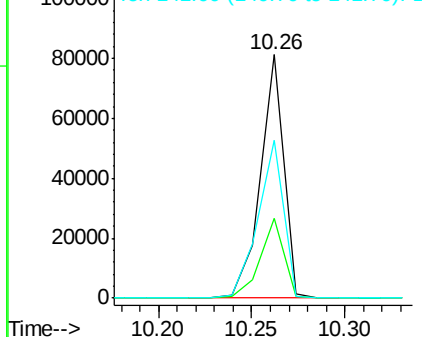
Tgt Ion:	204	Resp:	69723
Ion Ratio	Lower	Upper	
204	100		
206	32.9	26.3	39.5
141	64.7	55.0	82.6

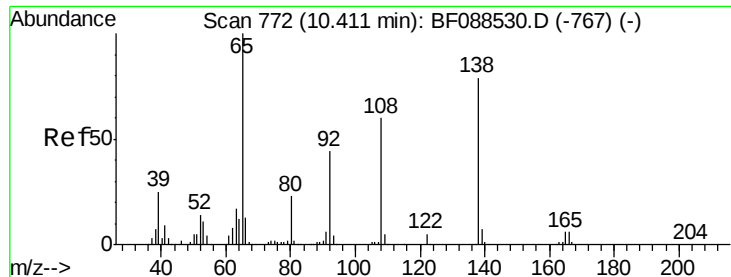


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 12.94 ng

RT: 10.27 min Scan# 760

Delta R.T. -0.05 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:138 Resp: 35013

Ion Ratio Lower Upper

138 100

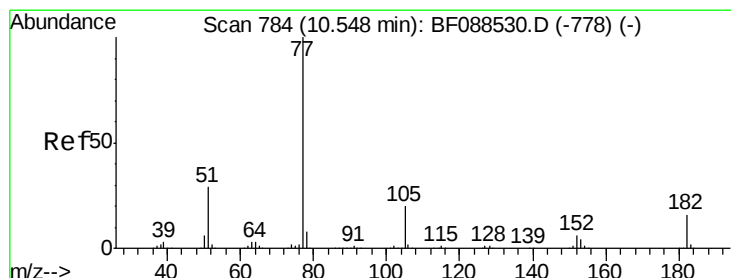
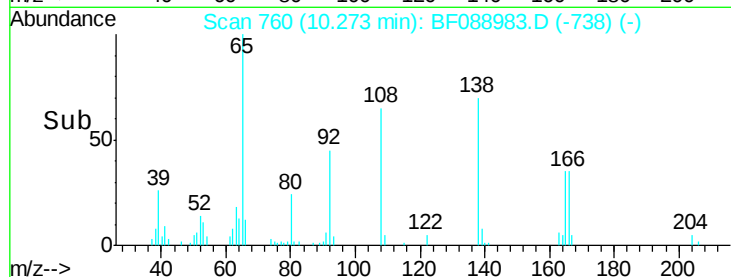
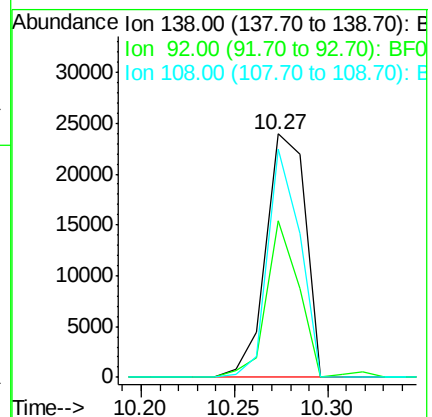
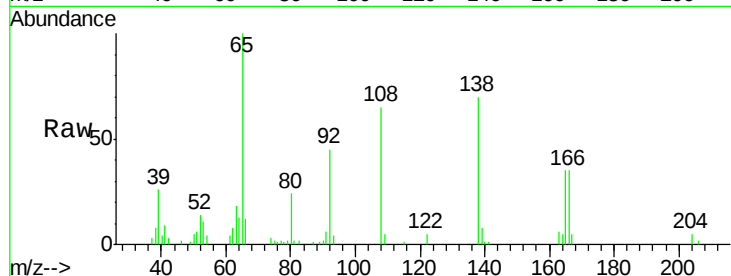
92 64.2 27.3 67.3

108 93.7 46.7 86.7#

Manual Integrations

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#62

Azobenzene

Concen: 15.55 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion: 77 Resp: 177758

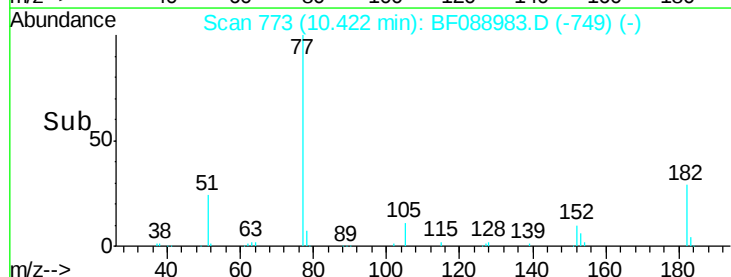
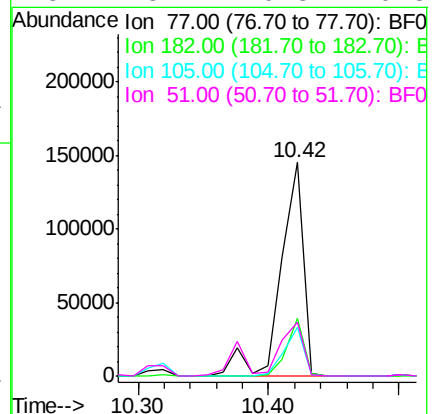
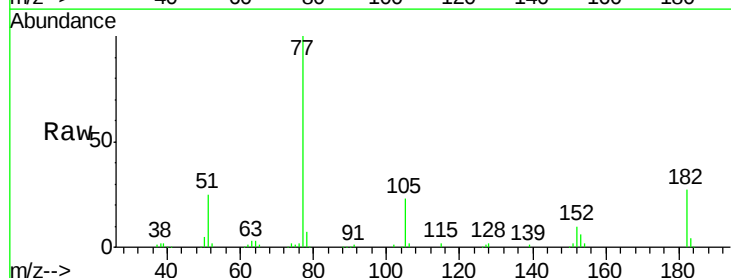
Ion Ratio Lower Upper

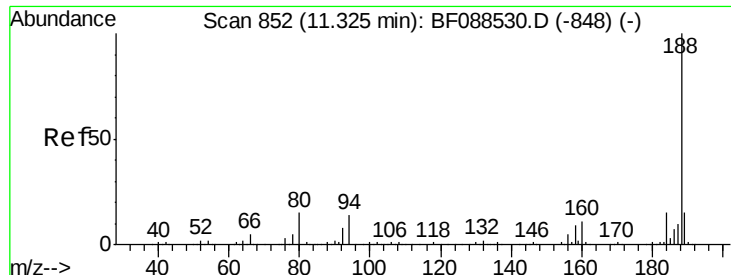
77 100

182 27.2 4.4 44.4

105 22.6 3.8 43.8

51 25.2 9.3 49.3





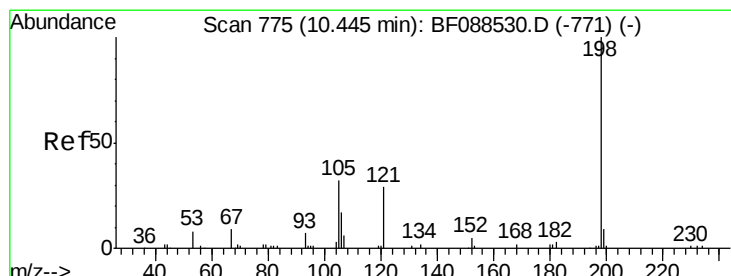
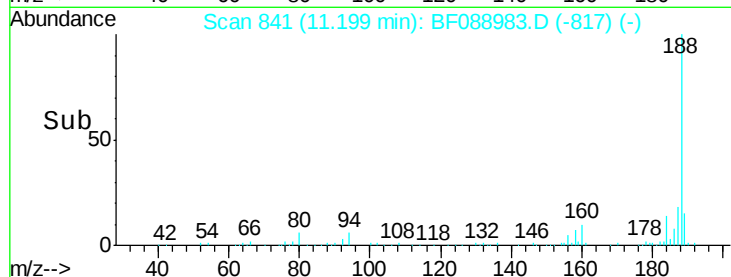
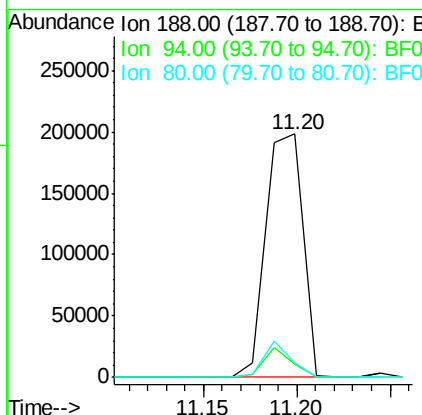
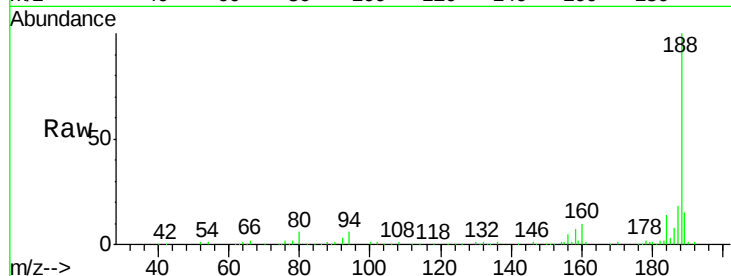
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
188	100		
94	5.7	9.0	13.6#
80	6.0	10.0	15.0#

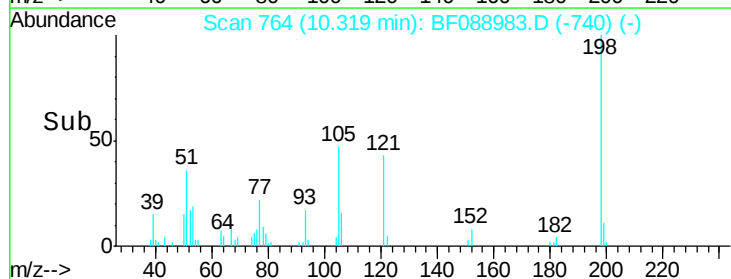
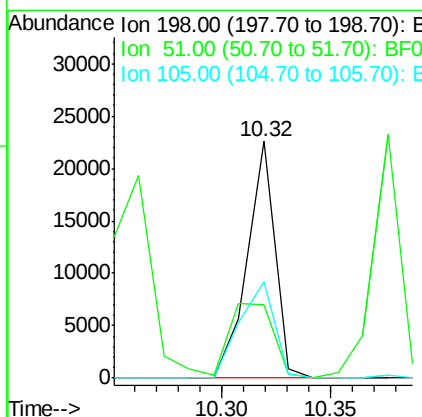
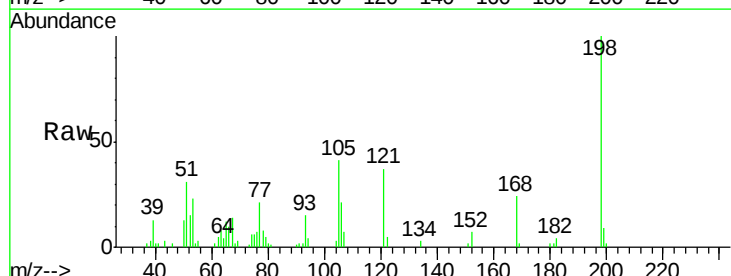
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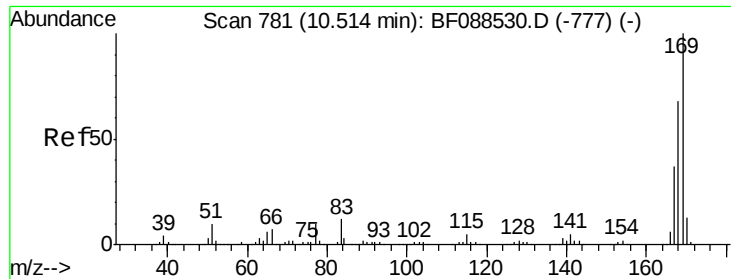
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#64
4,6-Dinitro-2-methylphenol
Concen: 13.51 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
198	100		
51	31.2	39.6	79.6#
105	40.5	36.6	76.6





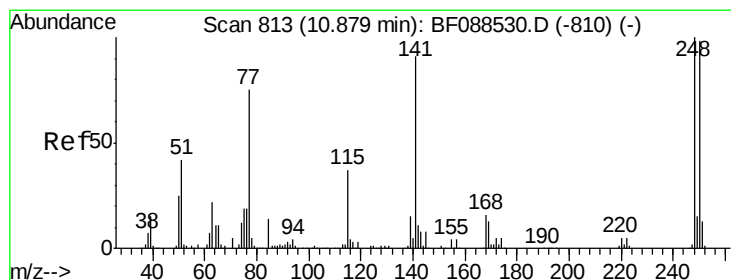
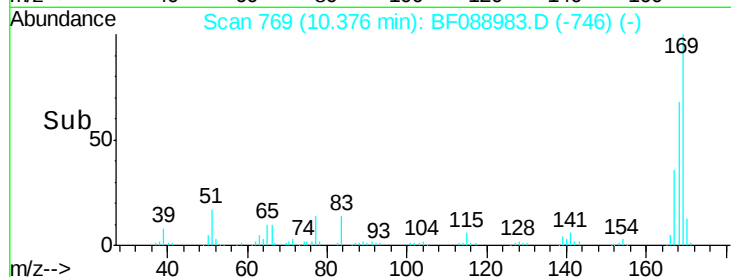
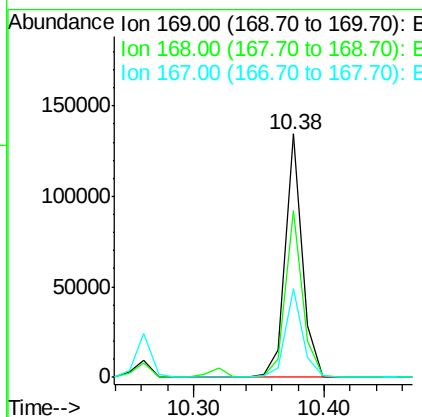
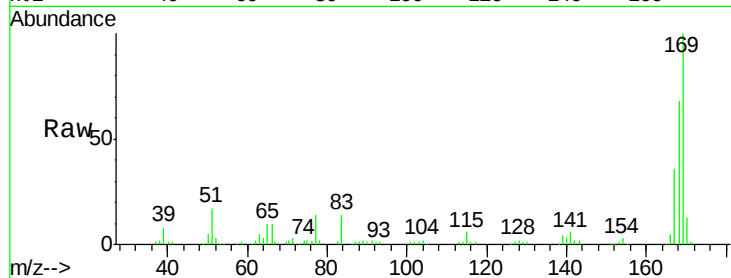
#65
n-Nitrosodiphenylamine
Concen: 13.20 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
169	100		
168	68.4	53.4	80.0
167	36.2	29.4	44.0

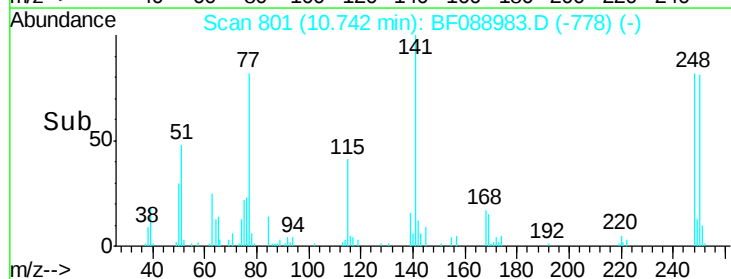
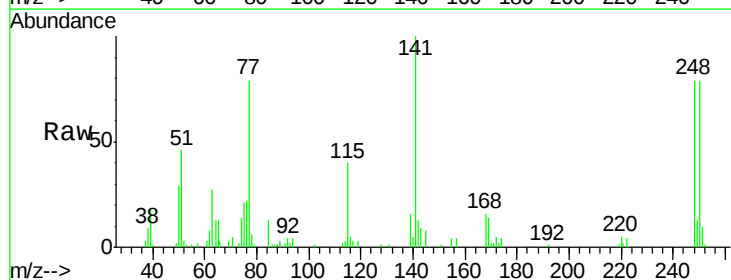
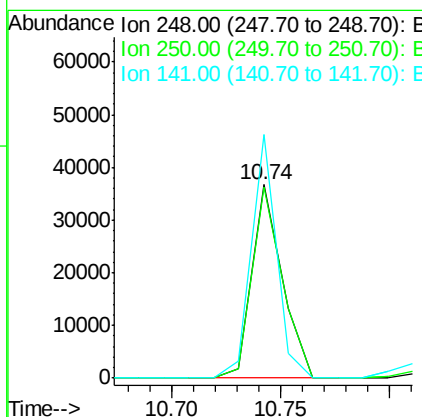
Manual Integrations

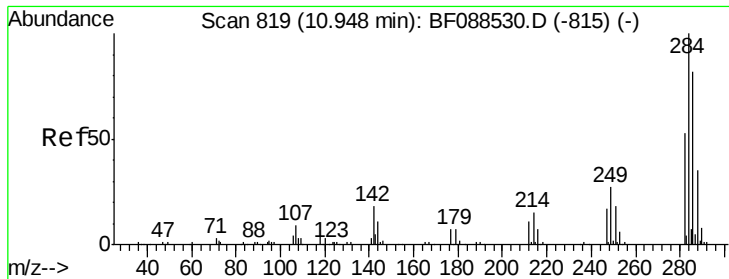
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#66
4-Bromophenyl-phenylether
Concen: 12.71 ng
RT: 10.74 min Scan# 801
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.1	115.7
141	125.9	50.6	76.0





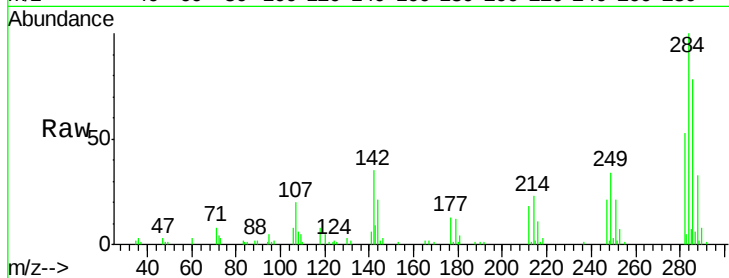
#67
Hexachlorobenzene
Concen: 13.16 ng
RT: 10.81 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

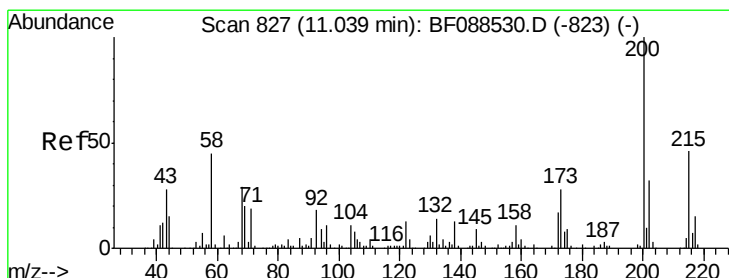
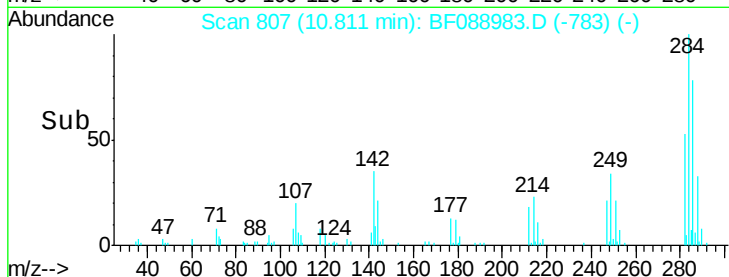
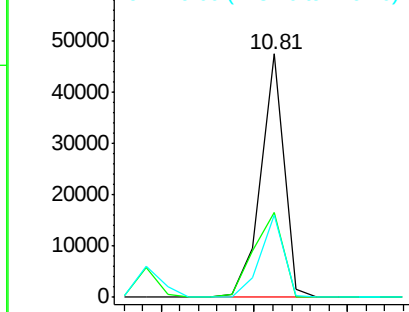
Tot Ion:284 Resp: 40708
Ion Ratio Lower Upper
284 100
142 35.1 35.8 53.8#
249 33.6 25.8 38.6

Manual Integrations

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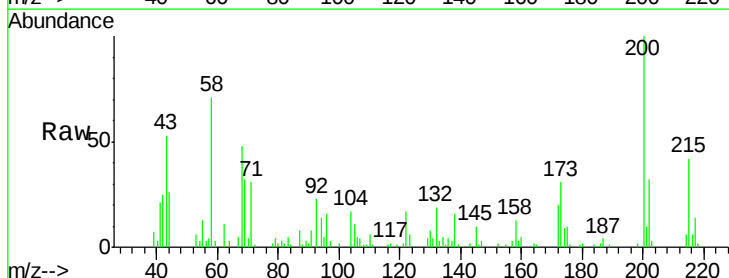


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

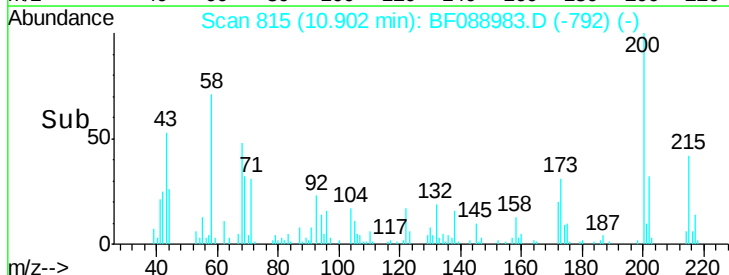
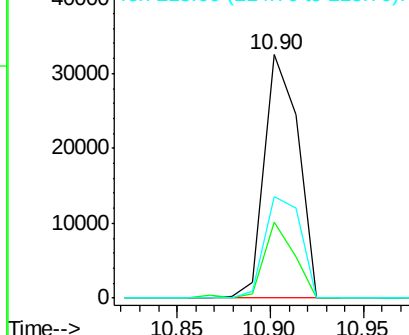


#68
Atrazine
Concen: 13.95 ng
RT: 10.90 min Scan# 815
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion:200 Resp: 40780
Ion Ratio Lower Upper
200 100
173 31.1 4.0 44.0
215 41.7 29.3 69.3



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





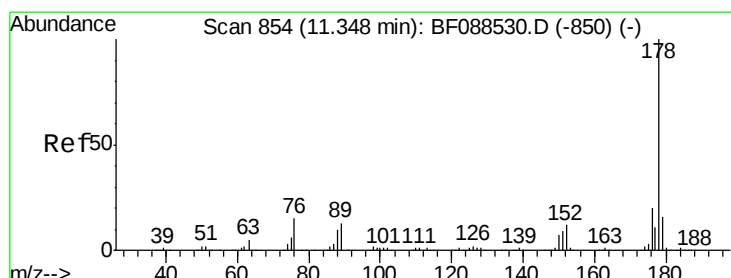
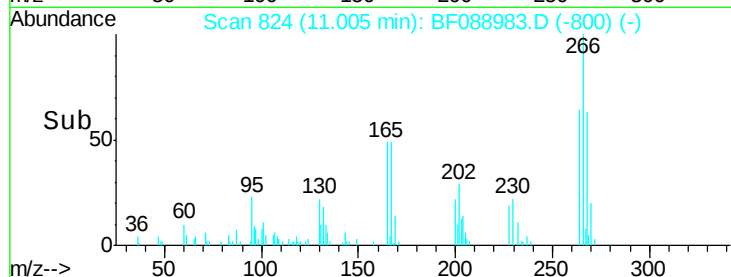
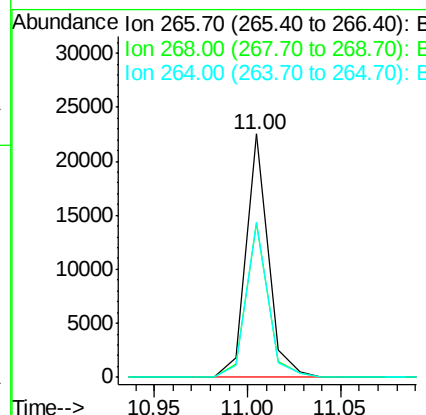
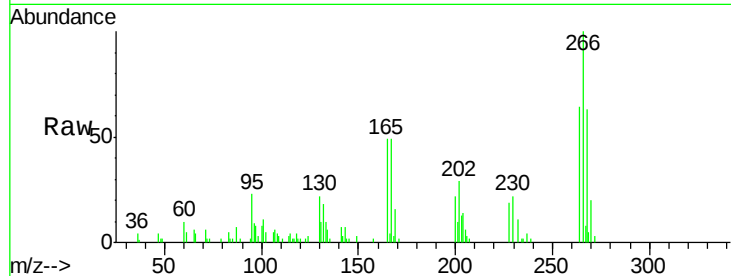
#69
 Pentachlorophenol
 Concen: 10.24 ng
 RT: 11.00 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.2	52.8	79.2
264	63.7	49.6	74.4

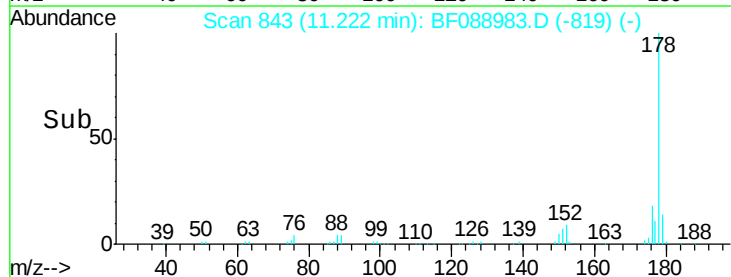
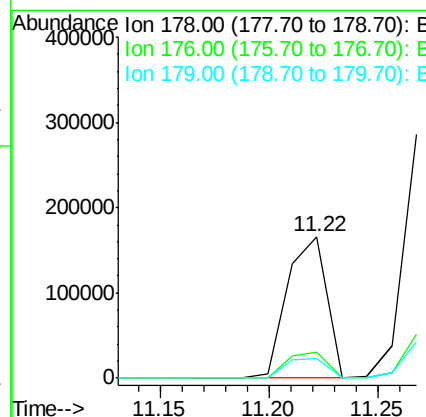
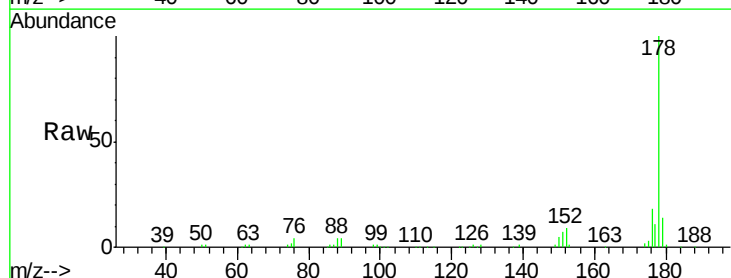
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#70
 Phenanthrene
 Concen: 13.89 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.6
179	14.3	13.0	19.4





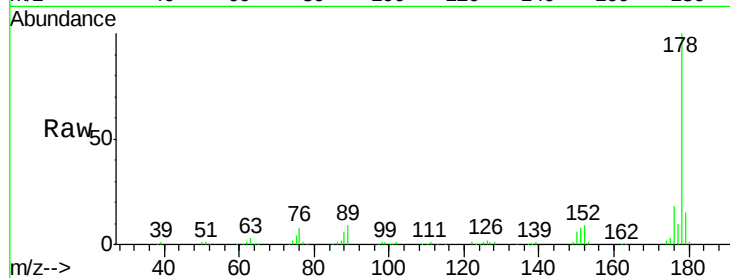
#71
 Anthracene
 Concen: 15.45 ng
 RT: 11.27 min Scan# 847
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	15.1	12.8	19.2

Manual Integrations

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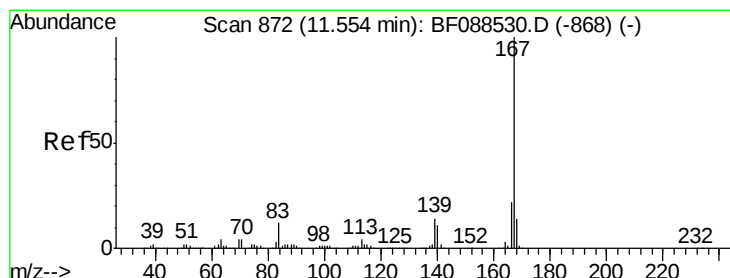
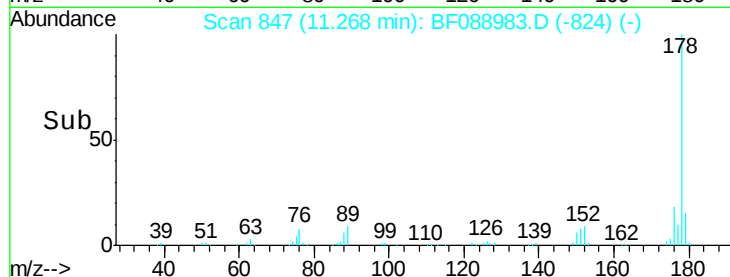
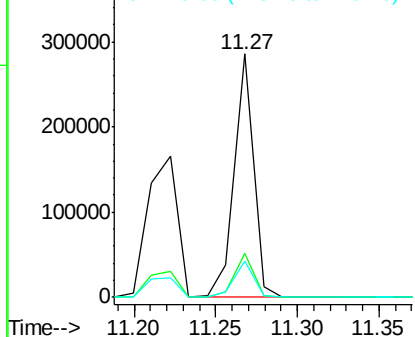


Abundance

Ion 178.00 (177.70 to 178.70): E

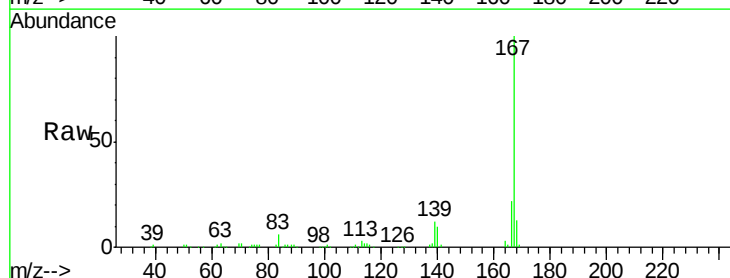
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 14.59 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.6
139	12.0	11.2	16.8

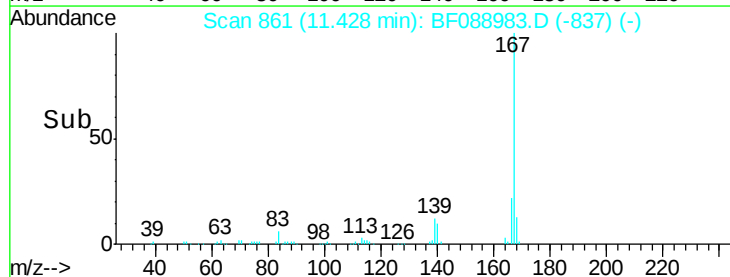
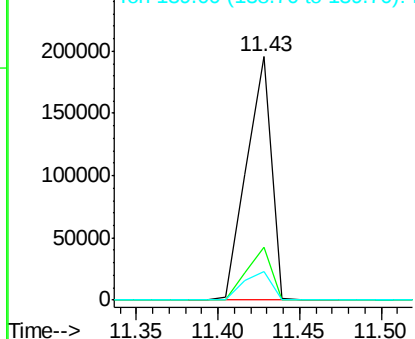


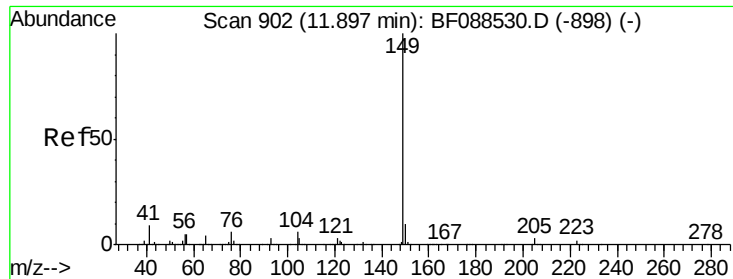
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 15.13 ng

RT: 11.77 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF088983.D

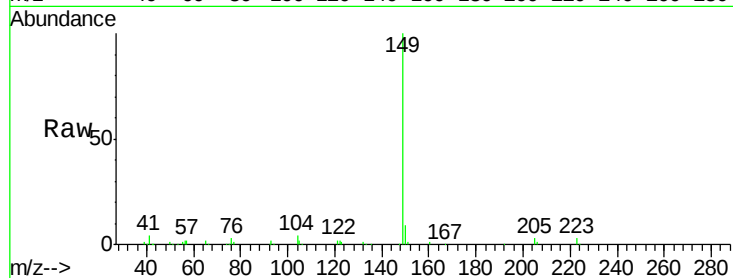
Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

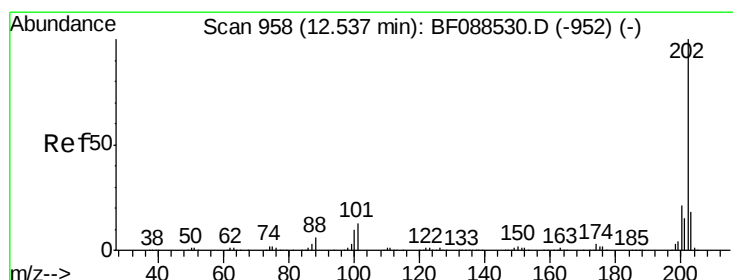
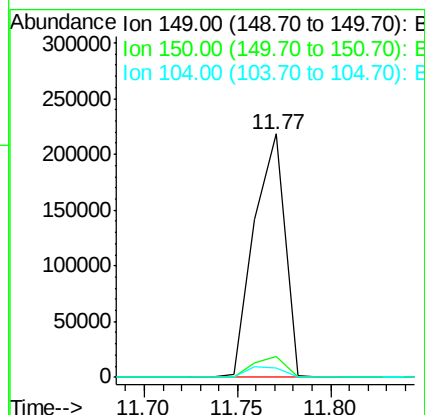
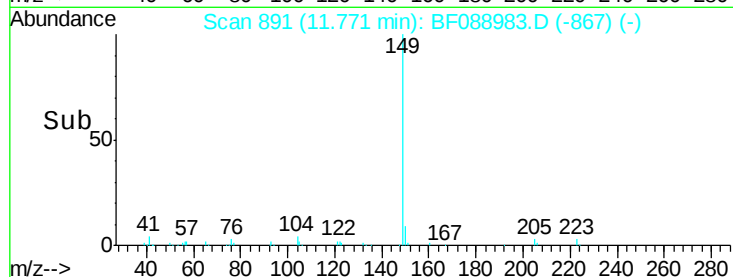


Tot Ion:	149	Resp:	249640
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.8	11.6
104	3.9	4.0	6.0

Manual Integrations

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#74

Fluoranthene

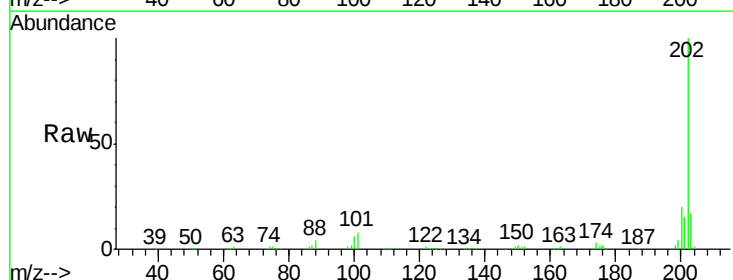
Concen: 15.01 ng

RT: 12.40 min Scan# 946

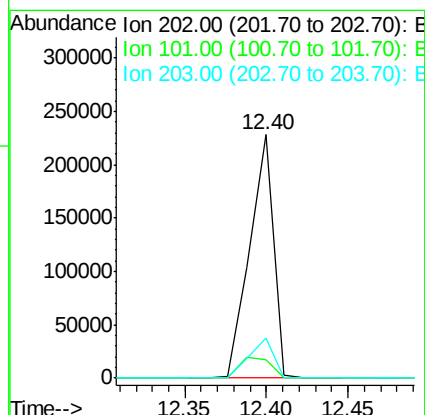
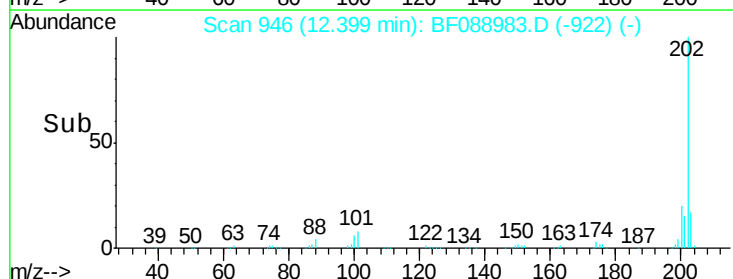
Delta R.T. -0.02 min

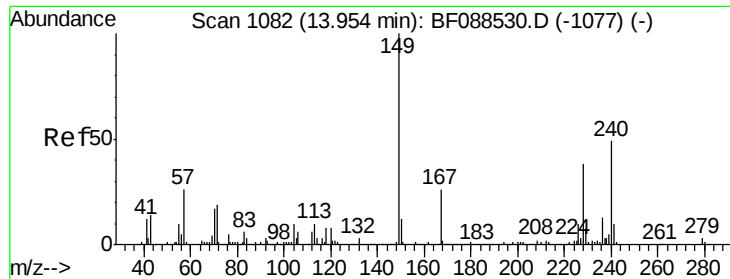
Lab File: BF088983.D

Acq: 14 Jul 2016 13:23



Tgt Ion:	202	Resp:	230625
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	33.1
203	16.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:240 Resp: 215917

Ion Ratio Lower Upper

240 100

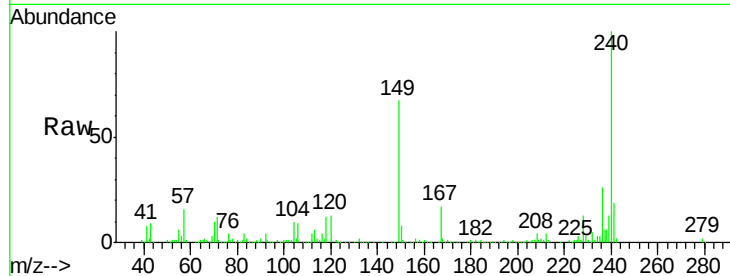
120 13.0 6.8 10.2#

236 26.2 20.2 30.2

Manual Integrations

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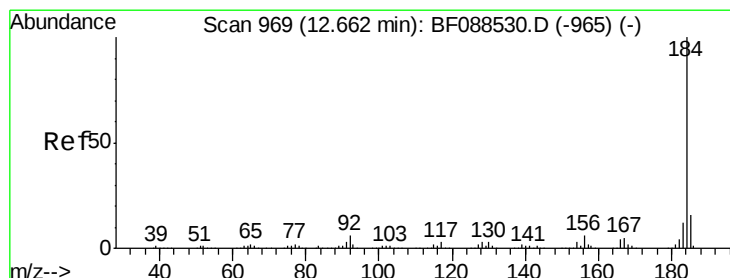
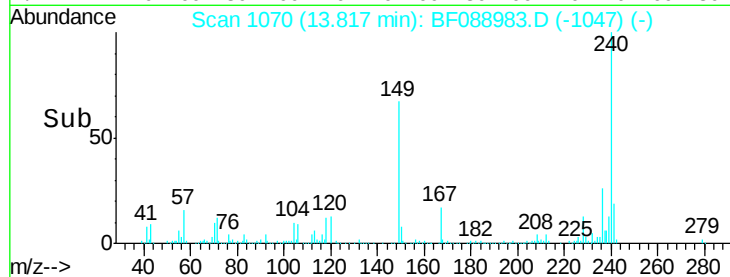
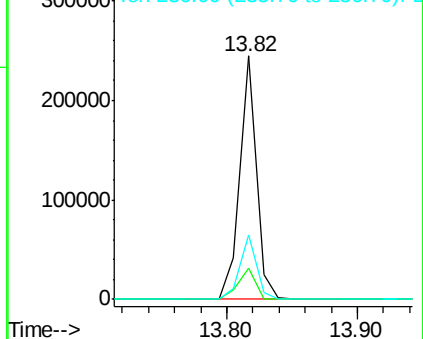
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 3.88 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

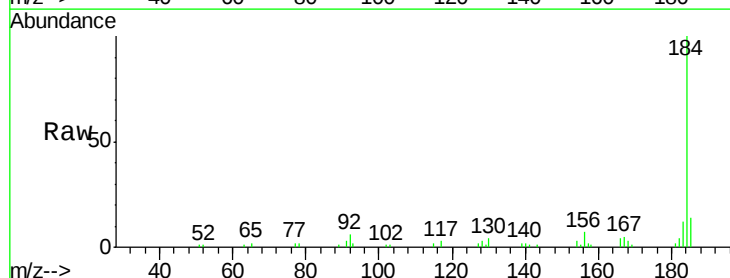
Tgt Ion:184 Resp: 42363

Ion Ratio Lower Upper

184 100

185 14.2 12.5 18.7

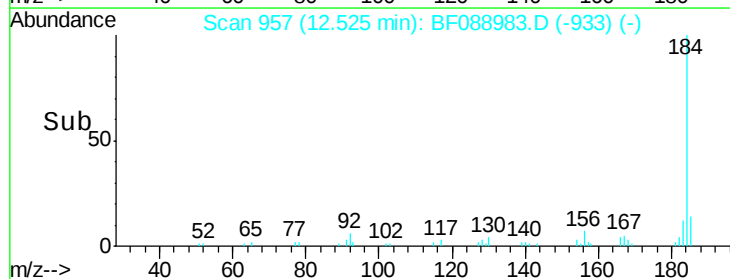
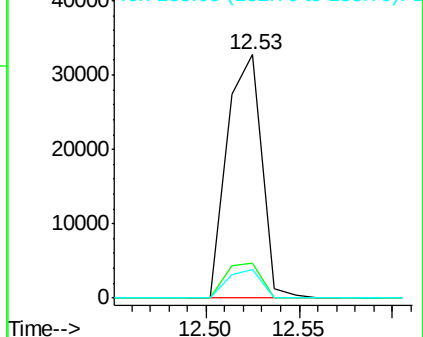
183 11.8 9.3 13.9

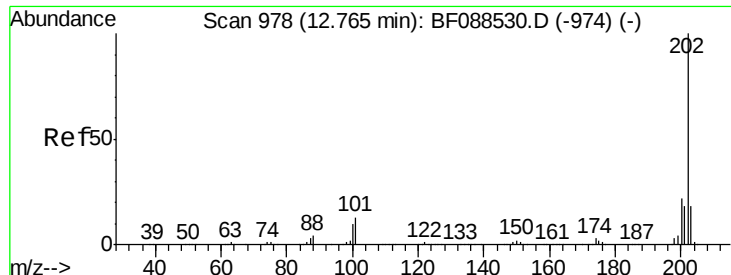


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





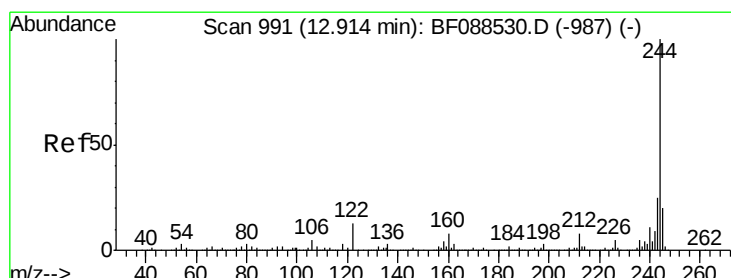
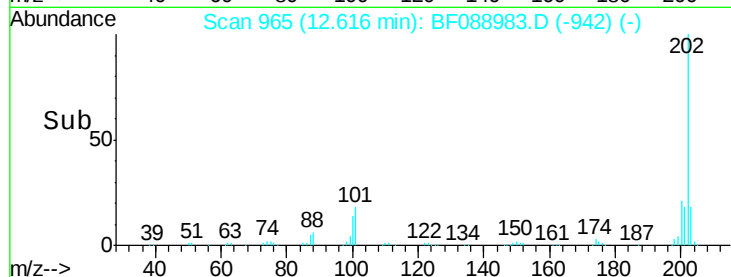
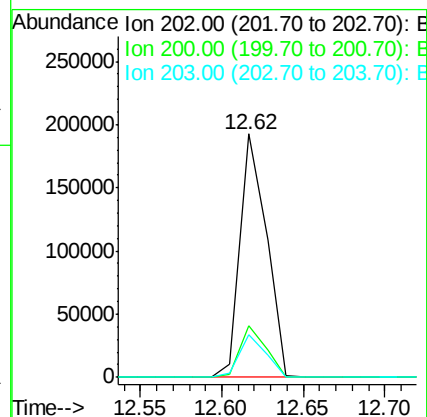
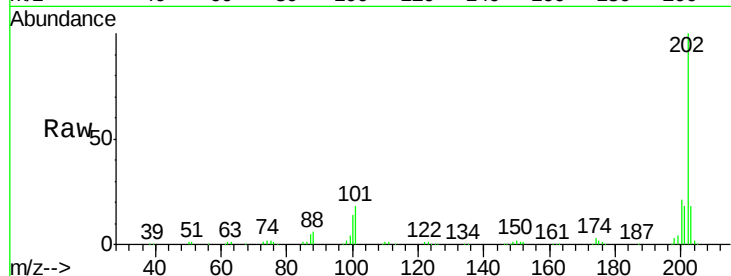
#77
Pvrene
Concen: 11.72 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.7	14.5	21.7

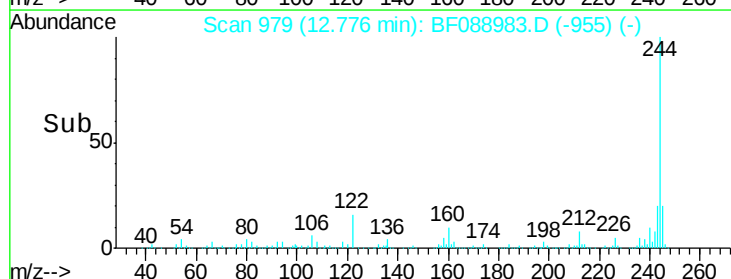
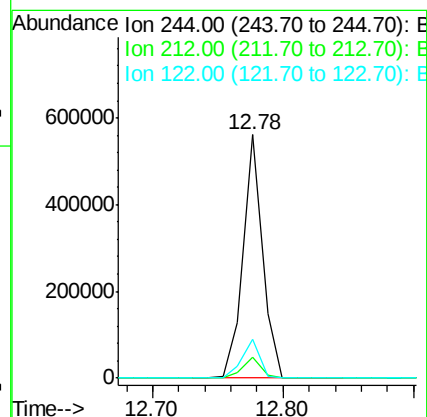
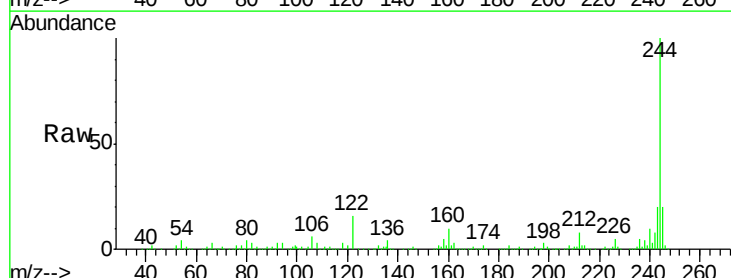
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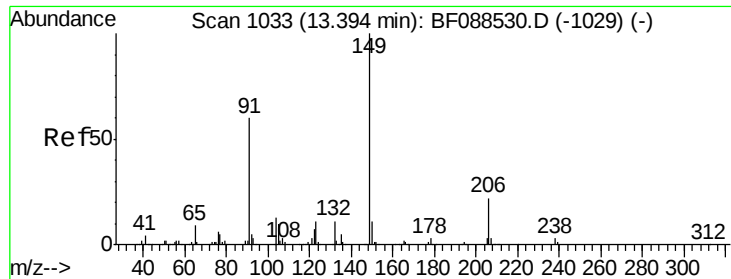
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#78
Terphenyl-d14
Concen: 59.78 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.02 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.0	9.0
122	15.9	11.2	16.8





#79

Butylbenzylphthalate

Concen: 12.65 ng

RT: 13.26 min Scan# 1021

Delta R.T. -0.02 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

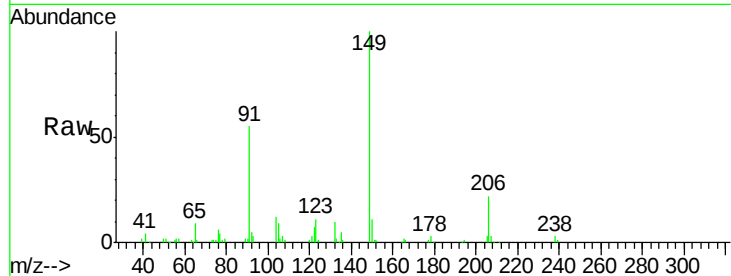
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Tot Ion:	149	Resp:	103317
Ion Ratio	Lower	Upper	
149	100		
91	55.3	48.0	72.0
206	21.9	16.0	24.0

Manual Integrations

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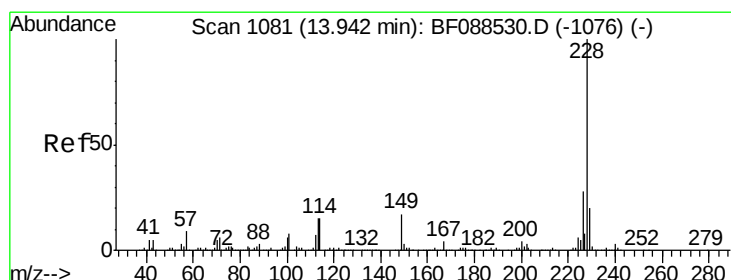
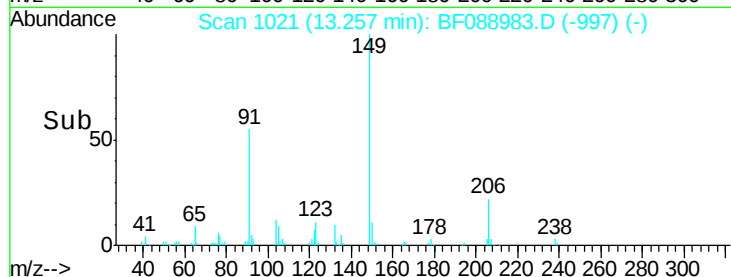
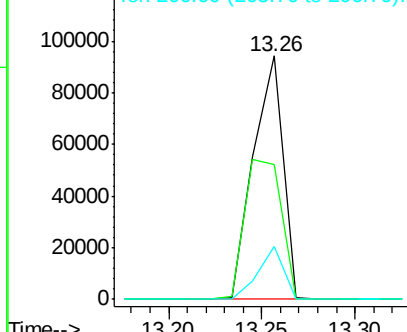
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 13.65 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF088983.D

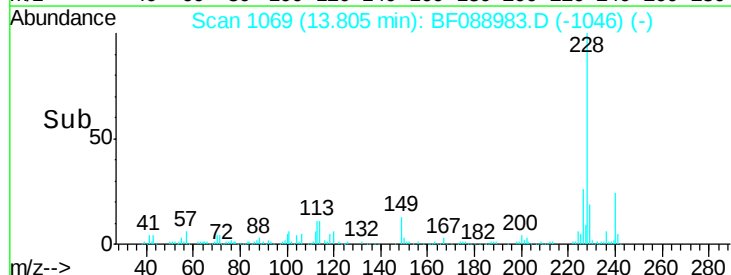
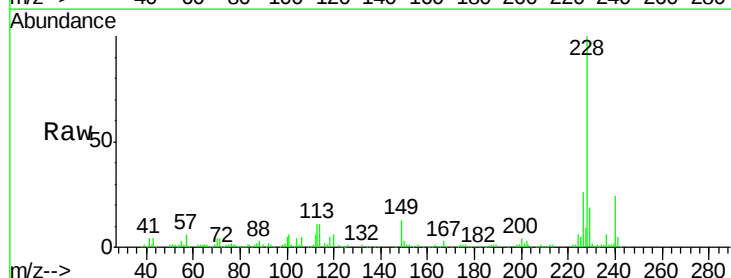
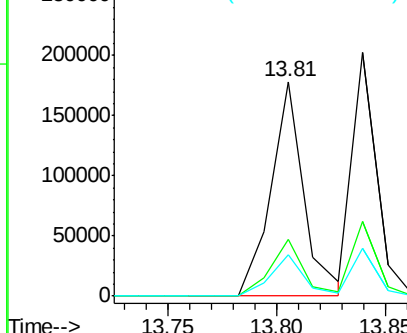
Acq: 14 Jul 2016 13:23

Tgt Ion:	228	Resp:	189772
Ion Ratio	Lower	Upper	
228	100		
226	26.5	22.3	33.5
229	19.3	16.0	24.0

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





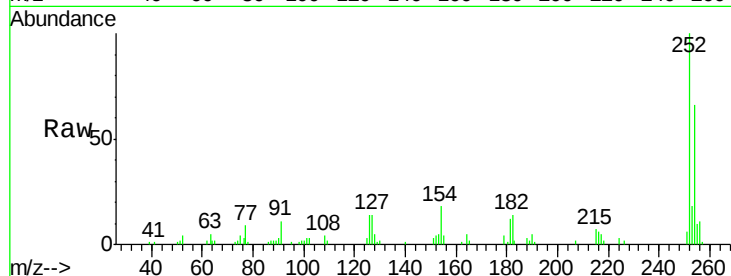
#81
 3,3'-Dichlorobenzidine
 Concen: 4.22 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

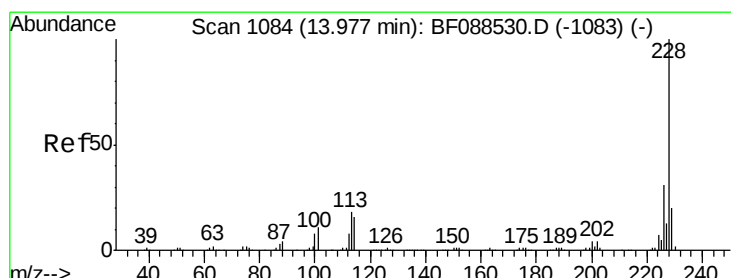
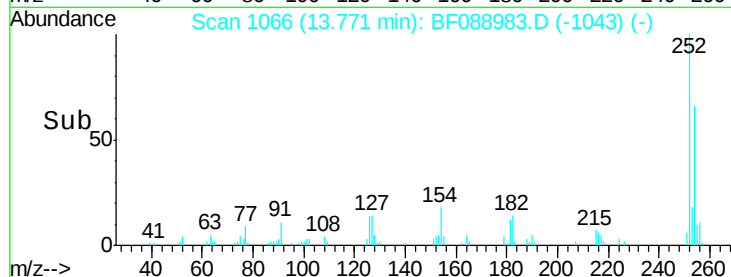
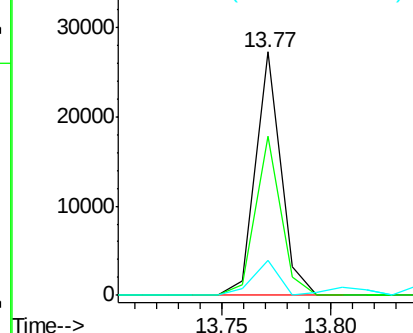
Tot Ion	Ratio	Lower	Upper
252	100		
254	65.6	52.6	78.8
126	14.1	6.2	9.2

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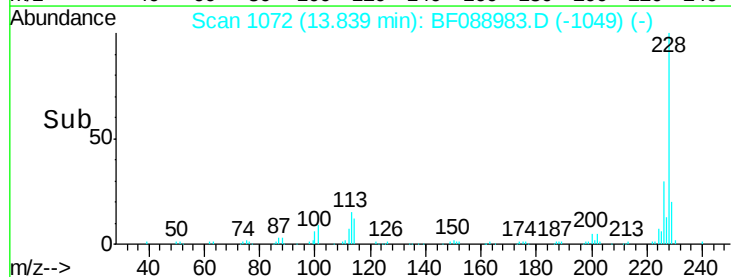
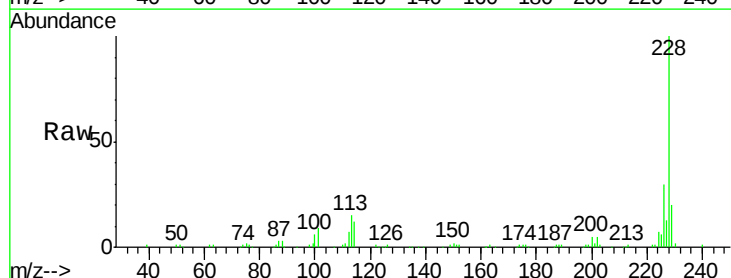
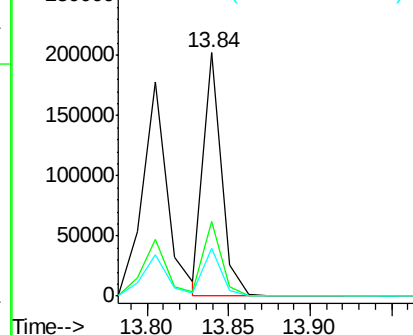
Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 11.54 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.2
229	19.6	16.3	24.5

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





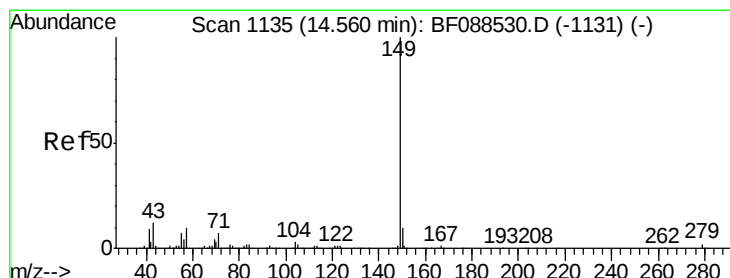
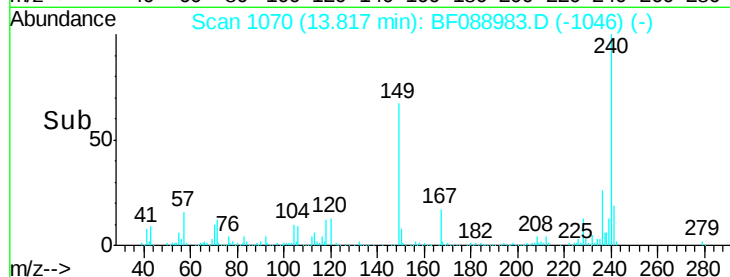
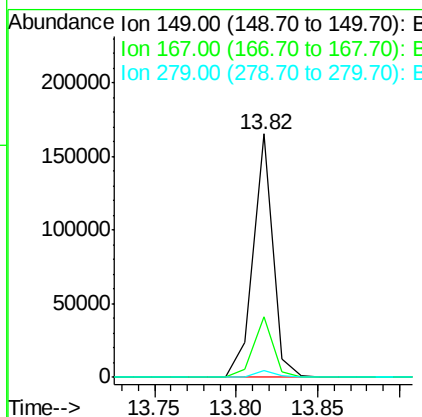
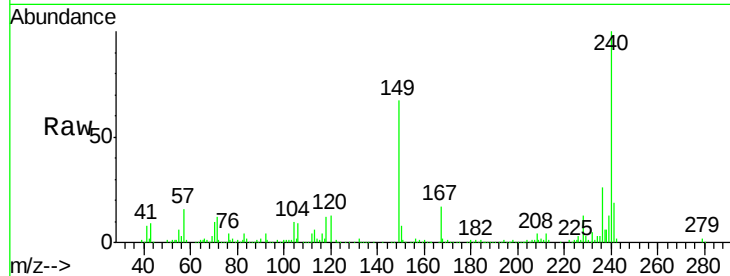
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 14.98 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.5	30.7
279	2.6	2.0	3.0

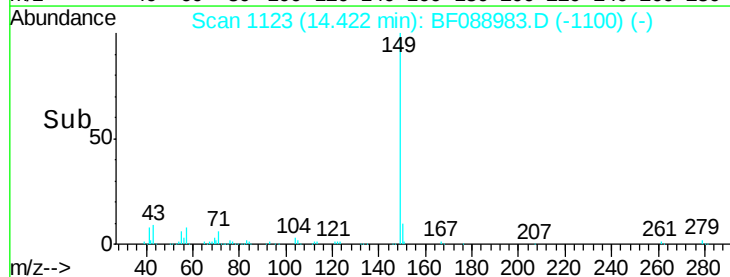
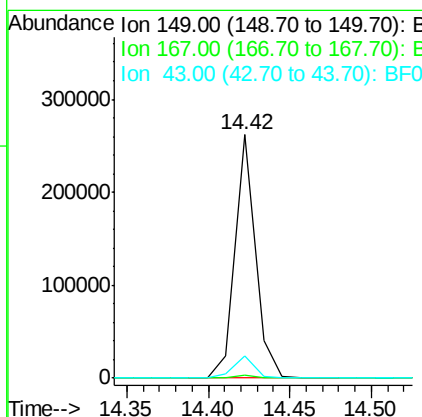
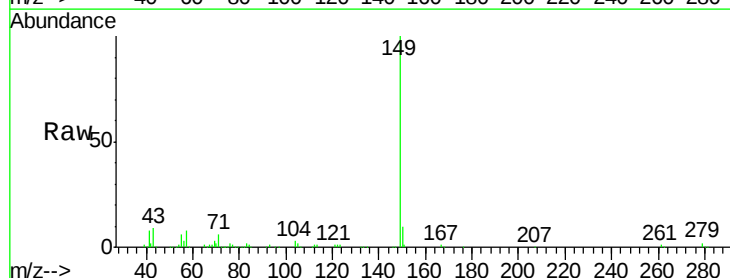
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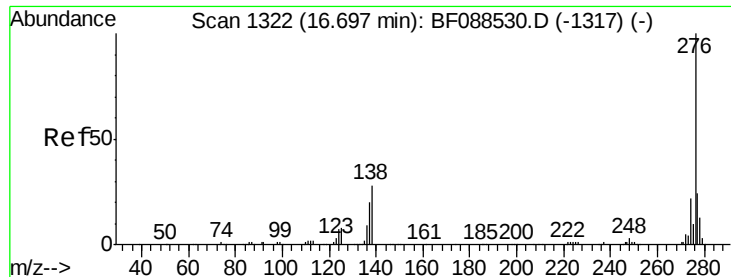
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#84
 Di-n-octyl phthalate
 Concen: 14.21 ng
 RT: 14.42 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	0.0	0.0#
43	9.8	0.0	0.0#





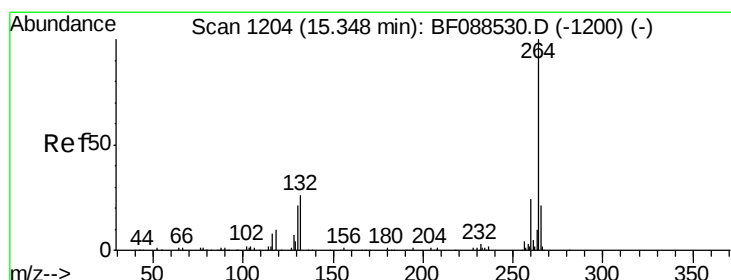
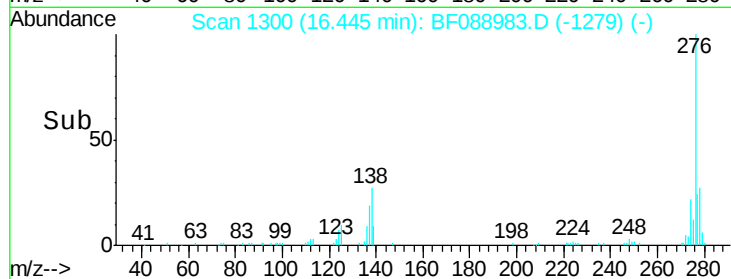
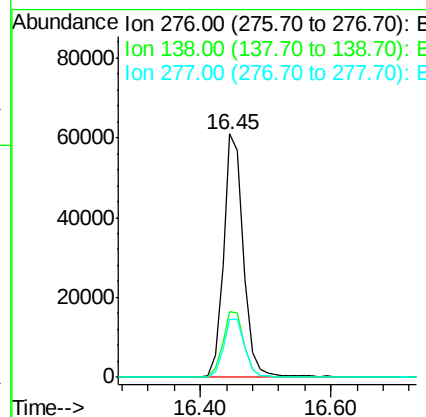
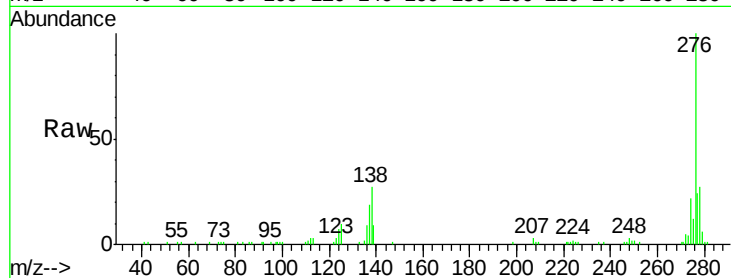
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.20 ng
RT: 16.45 min Scan# 1300
Delta R.T. -0.06 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
276	100	129157		
138	28.7	0.0	0.0	0.0
277	25.3	0.0	0.0	0.0

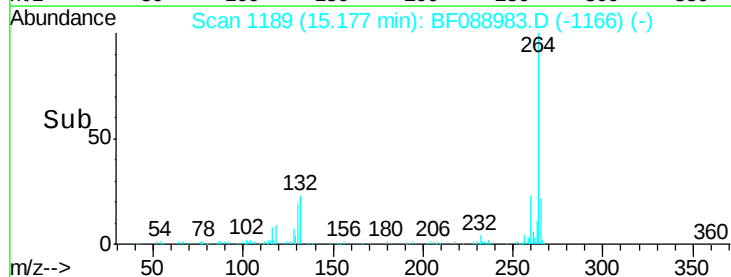
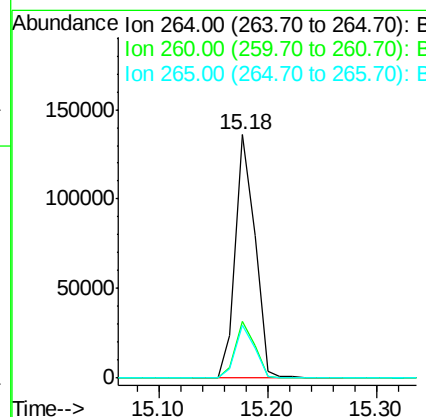
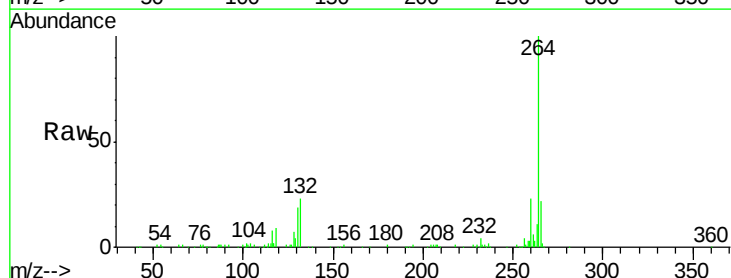
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	168334		
260	23.2	19.2	28.8	
265	21.6	16.9	25.3	





#87

Benzo(b)fluoranthene

Concen: 14.01 ng m

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

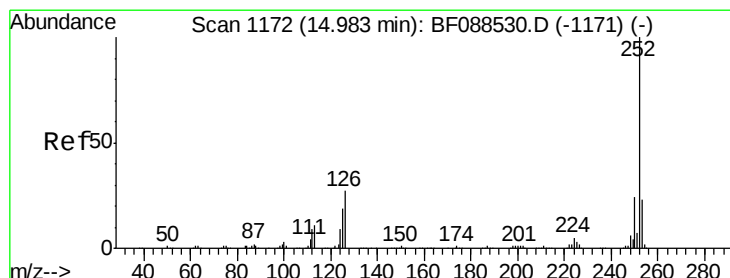
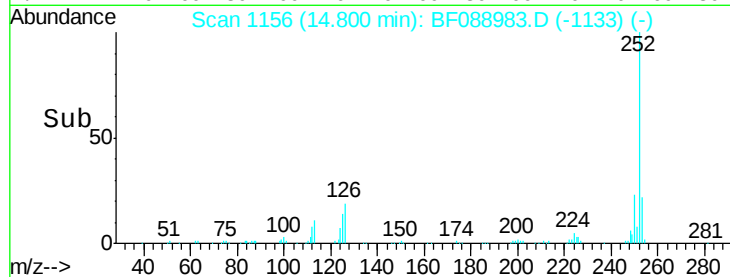
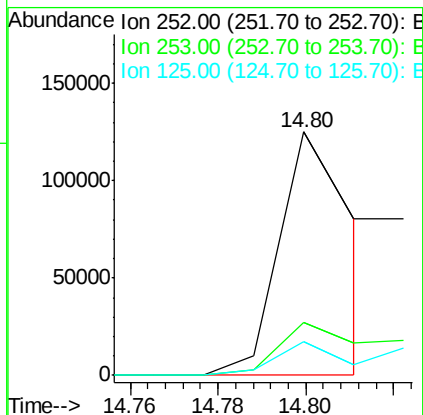
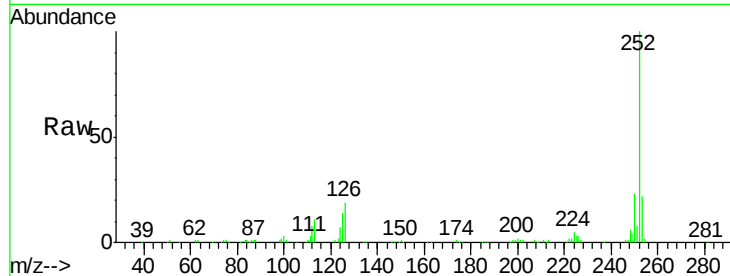
LOQ-SOIL2016-02

Tot Ion:	252	Resp:	147921
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.4	26.2
125	14.1	7.1	10.7#

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#88

Benzo(k)fluoranthene

Concen: 17.14 ng m

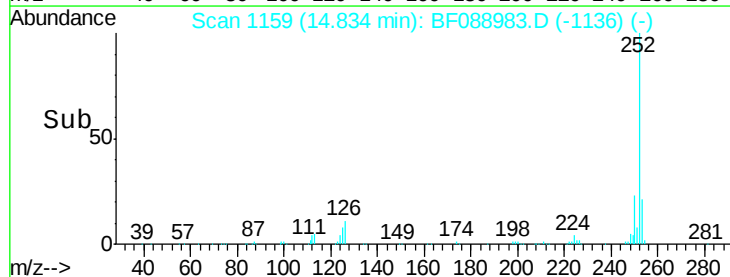
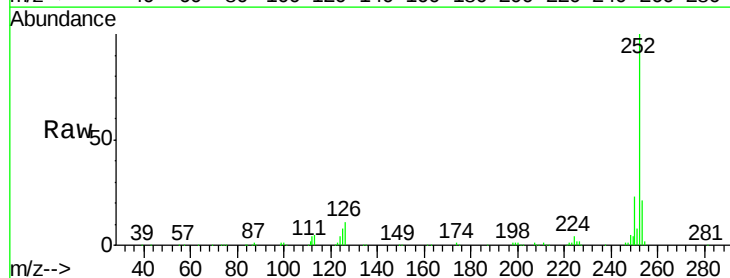
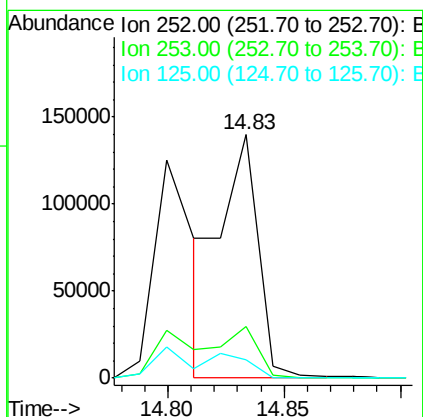
RT: 14.83 min Scan# 1159

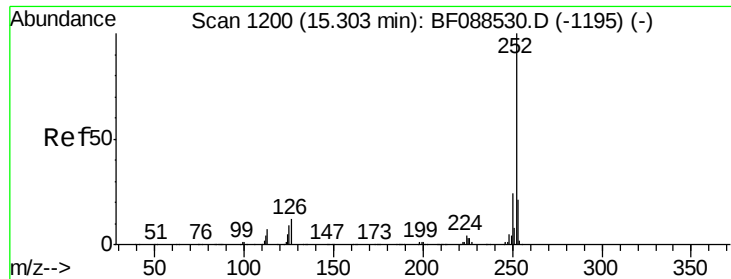
Delta R.T. -0.03 min

Lab File: BF088983.D

Acq: 14 Jul 2016 13:23

Tgt Ion:	252	Resp:	157609
Ion Ratio	Lower	Upper	
252	100		
253	21.2	18.0	27.0
125	7.7	11.2	16.8#





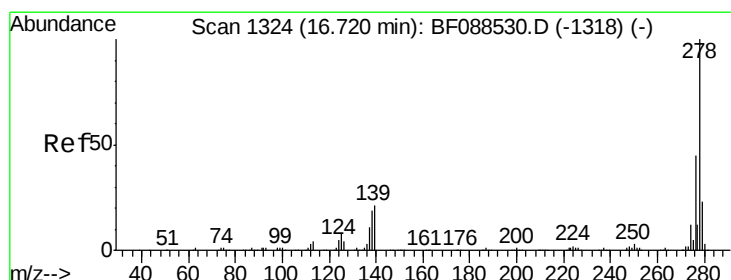
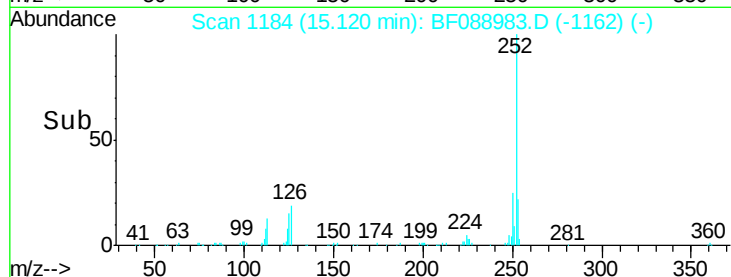
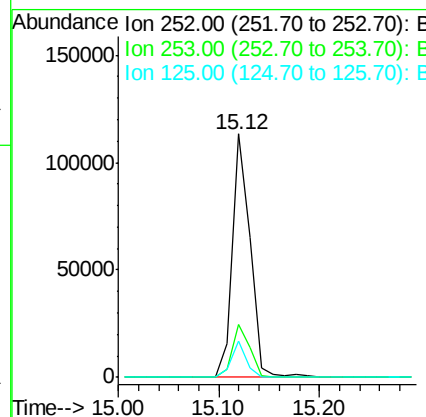
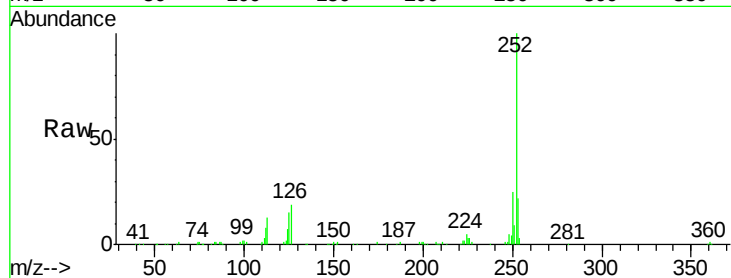
#89
Benzo(a)pyrene
Concen: 15.61 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.05 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion:	252	Resp:	139597
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.9	26.9
125	15.1	12.5	18.7

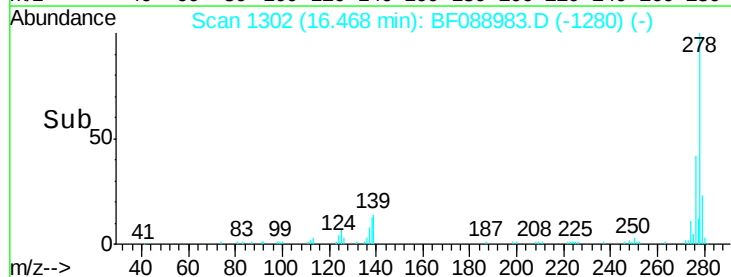
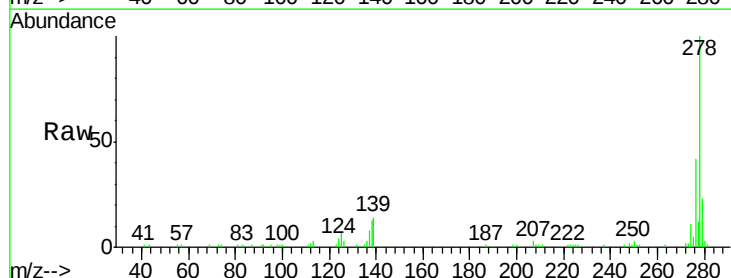
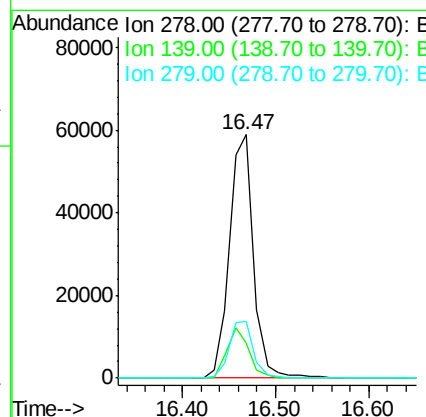
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#90
Dibenzo(a,h)anthracene
Concen: 14.21 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.05 min
Lab File: BF088983.D
Acq: 14 Jul 2016 13:23

Tgt Ion:	278	Resp:	106118
Ion Ratio	Lower	Upper	
278	100		
139	14.1	15.7	23.5#
279	23.3	19.4	29.2





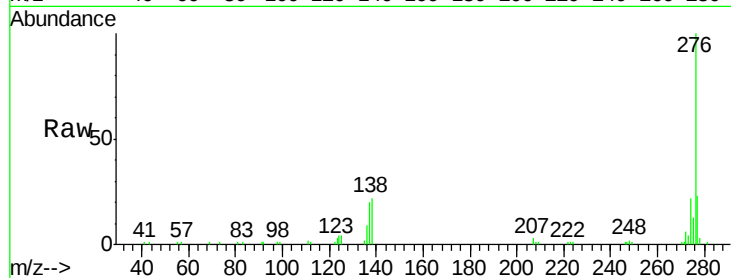
#91
 Benzo(a,h,i)perylene
 Concen: 13.53 ng
 RT: 16.83 min Scan# 1334
 Delta R.T. -0.06 min
 Lab File: BF088983.D
 Acq: 14 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion:	276	Resp:	104525
Ion Ratio	Lower	Upper	
276	100		
277	22.6	18.9	28.3
138	22.0	21.4	32.2

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

