

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF088987.D
 Acq On : 14 Jul 2016 15:20
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-1PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Manual Integrations

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 7/15/2016 9:16:22 AM

Quant Time: Jul 15 01:53:23 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	72952	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	277772	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	138001	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	269457	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	244501	20.00	ng	-0.03
86) Perylene-d12	15.18	264	193607	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	468569	96.26	ng	0.00
7) Phenol-d6	6.33	99	604530	96.11	ng	-0.02
23) Nitrobenzene-d5	7.26	82	380314	71.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	106585	83.17	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	684186	78.31	ng	-0.02
78) Terphenyl-d14	12.78	244	554069	50.47	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.04	79	1990	0.28	ng	# 86
6) Aniline	6.34	93	3161	0.34	ng	# 1
8) 2-Chlorophenol	6.47	128	3862	0.74	ng	90
9) Benzaldehyde	6.23	77	2764	0.65	ng	97
10) Phenol	6.34	94	3028	0.42	ng	# 1
11) bis(2-Chloroethyl)ether	6.42	93	3754	0.70	ng	96
12) 1,3-Dichlorobenzene	6.63	146	3364m	0.58	ng	
13) 1,4-Dichlorobenzene	6.70	146	3609	0.63	ng	95
14) 1,2-Dichlorobenzene	6.86	146	3749	0.70	ng	# 94
15) Benzyl Alcohol	6.84	79	8906	1.92	ng	# 51
16) 2,2'-oxybis(1-Chloropropan	6.97	45	3900	0.50	ng	82
17) 2-Methylphenol	6.95	107	2823	0.66	ng	# 91
18) Hexachloroethane	7.20	117	1385	0.63	ng	92
19) n-Nitroso-di-n-propylamine	7.10	70	2355	0.56	ng	# 90
20) 3+4-Methylphenols	7.11	107	3516	0.69	ng	# 81
22) Acetophenone	7.10	105	4981	0.74	ng	99
24) Nitrobenzene	7.27	77	5432	1.02	ng	# 86
26) 2-Nitrophenol	7.59	139	1381	0.63	ng	95
27) 2,4-Dimethylphenol	7.63	122	2557m	0.56	ng	
28) bis(2-Chloroethoxy)methane	7.72	93	4355	0.68	ng	# 93
29) 2,4-Dichlorophenol	7.84	162	2509	0.68	ng	88
30) 1,2,4-Trichlorobenzene	7.91	180	3031	0.75	ng	93
31) Naphthalene	7.99	128	9950	0.73	ng	98
33) 4-Chloroaniline	8.04	127	3488	0.57	ng	94
34) Hexachlorobutadiene	8.11	225	1480	0.68	ng	94
35) Caprolactam	8.35	113	789	0.63	ng	96
36) 4-Chloro-3-methylphenol	8.52	107	2946	0.68	ng	# 79
37) 2-Methylnaphthalene	8.68	142	6341	0.72	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.84	216	2950	0.64	ng	# 1
42) 2,4,6-Trichlorophenol	8.96	196	1629	0.54	ng	94
43) 2,4,5-Trichlorophenol	9.00	196	1940	0.75	ng	# 94
45) 1,1'-Biphenyl	9.14	154	8637	0.76	ng	94
46) 2-Chloronaphthalene	9.16	162	6600	0.74	ng	98
47) 2-Nitroaniline	9.26	65	1760	0.55	ng	# 85

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
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 Misc : LOD-1PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
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 LOD-SOIL2016-01

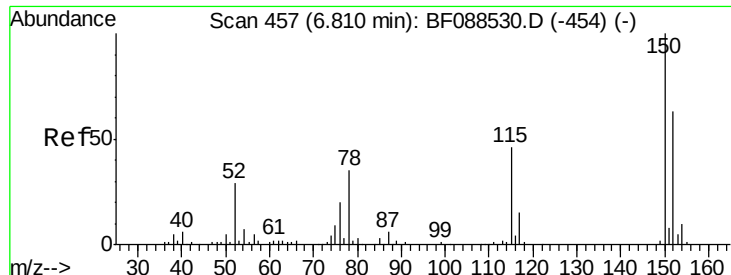
Manual Integrations

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 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)
48) Acenaphthylene	9.58	152	9948	0.70	nq	99
49) Dimethylphthalate	9.44	163	7427	0.76	nq	# 97
50) 2,6-Dinitrotoluene	9.50	165	1374	0.63	nq	# 4
51) Acenaphthene	9.75	154	6593	0.75	nq	97
54) Dibenzofuran	9.92	168	9823	0.86	nq	92
55) 4-Nitrophenol	9.85	139	850	0.40	nq	94
56) 2,4-Dinitrotoluene	9.91	165	1717	0.60	nq	# 80
57) Fluorene	10.26	166	7169	0.81	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.04	232	1168	0.58	nq	# 50
59) Diethylphthalate	10.14	149	6949	0.70	nq	96
60) 4-Chlorophenyl-phenylether	10.26	204	3076	0.75	nq	# 85
62) Azobenzene	10.41	77	7838	0.70	nq	90
65) n-Nitrosodiphenylamine	10.38	169	6255	0.69	nq	99
66) 4-Bromophenyl-phenylether	10.74	248	1623	0.60	nq	# 62
67) Hexachlorobenzene	10.81	284	1823	0.61	nq	# 60
68) Atrazine	10.90	200	1855	0.65	nq	98
70) Phenanthrene	11.21	178	11530	0.78	nq	98
71) Anthracene	11.27	178	10208	0.70	nq	97
72) Carbazole	11.42	167	9730	0.71	nq	97
73) Di-n-butylphthalate	11.76	149	10401	0.65	nq	# 97
74) Fluoranthene	12.39	202	9844	0.66	nq	97
77) Pyrene	12.62	202	11248	0.54	nq	98
79) Butylbenzylphthalate	13.24	149	4325	0.47	nq	# 64
80) Benzo(a)anthracene	13.81	228	9950	0.63	nq	99
82) Chrysene	13.84	228	9034	0.58	nq	99
83) Bis(2-ethylhexyl)phthalate	13.82	149	6482	0.61	nq	# 96
84) Di-n-octyl phthalate	14.42	149	10542	0.59	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.45	276	6309	0.53	nq	# 100
87) Benzo(b)fluoranthene	14.80	252	8286m	0.68	nq	
88) Benzo(k)fluoranthene	14.82	252	7214m	0.68	nq	
89) Benzo(a)pyrene	15.12	252	7102	0.69	nq	# 96
90) Dibenzo(a,h)anthracene	16.46	278	5548	0.65	nq	97
91) Benzo(a,h,i)perylene	16.82	276	5285	0.59	nq	92

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



#1

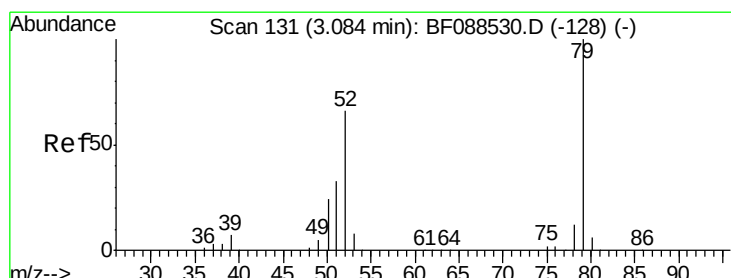
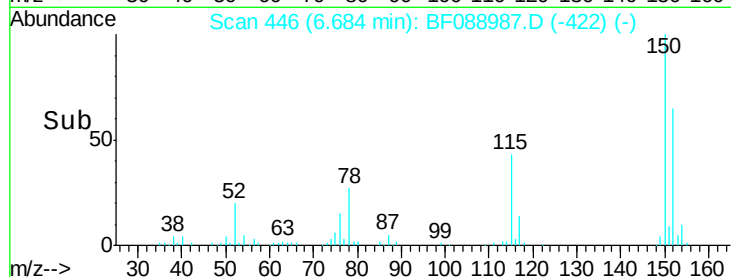
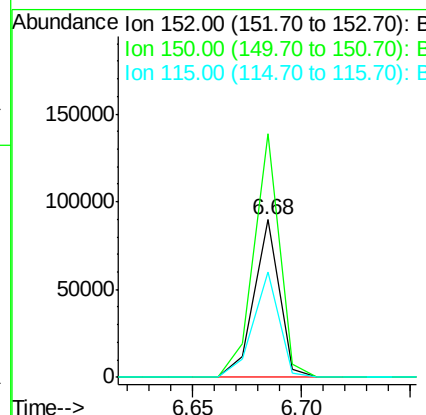
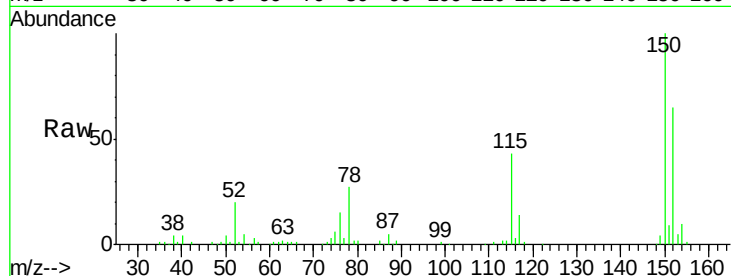
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.8	185.6
115	66.8	39.6	59.4

Manual Integrations

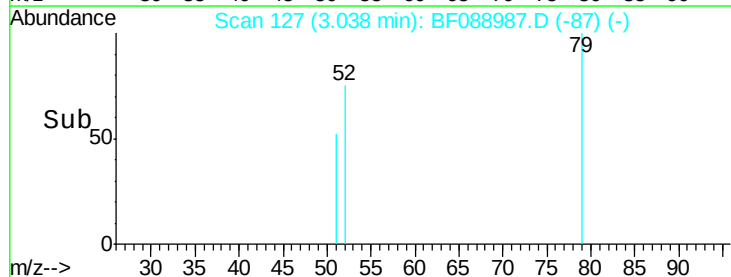
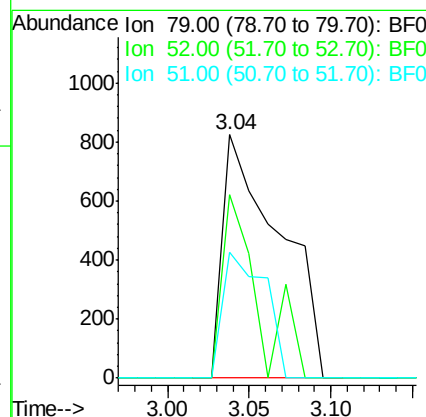
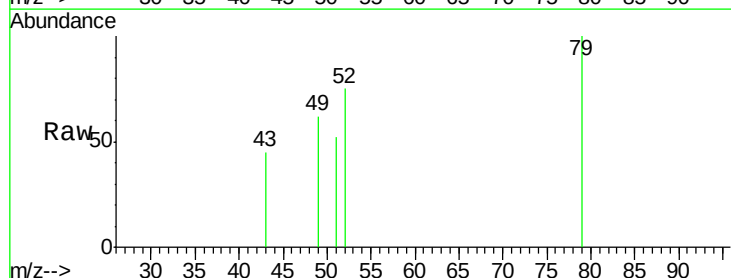
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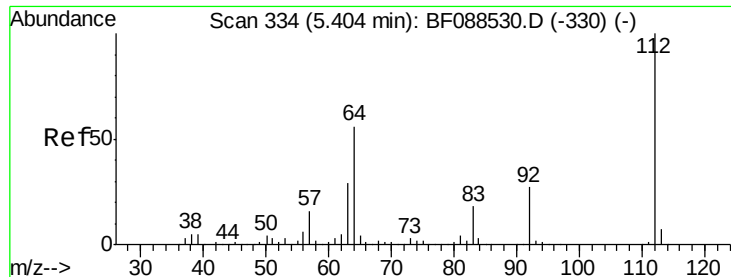


#3

Pyridine
Concen: 0.28 ng
RT: 3.04 min Scan# 127
Delta R.T. 0.16 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
79	100		
52	75.3	56.3	84.5
51	51.9	27.4	41.2





#5

2-Fluorophenol

Concen: 96.26 ng

RT: 5.29 min Scan# 324

Delta R.T. -0.00 min

Lab File: BF088987.D

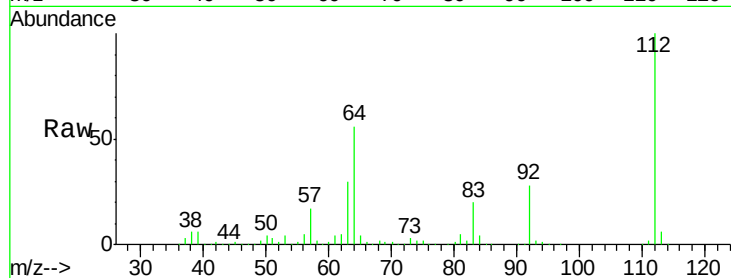
Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

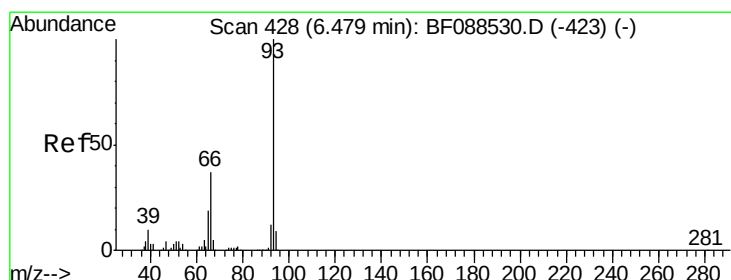
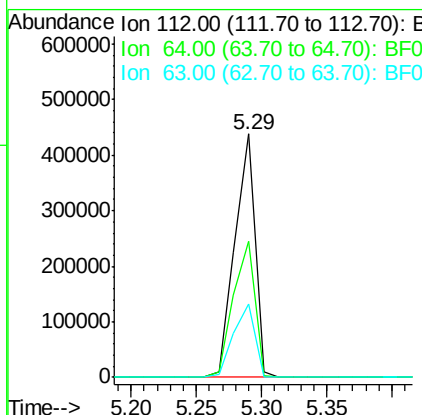
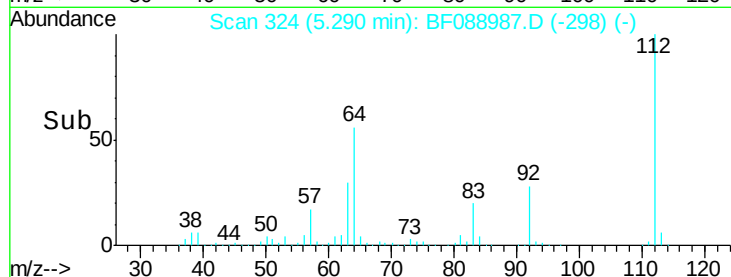


Tot Ion:	112	Resp:	468569
Ion Ratio	Lower	Upper	
112	100		
64	55.8	42.2	63.2
63	30.3	21.8	32.8

Manual Integrations

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#6

Aniline

Concen: 0.34 ng

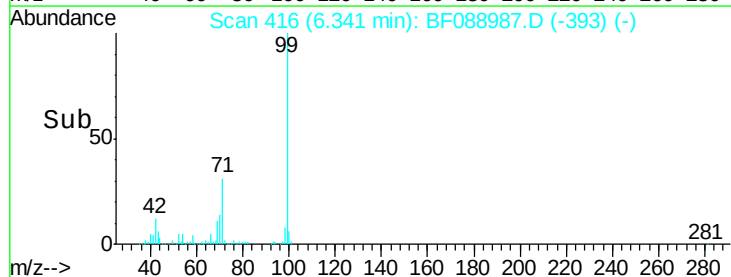
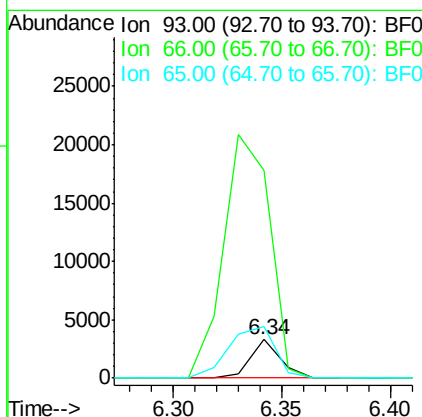
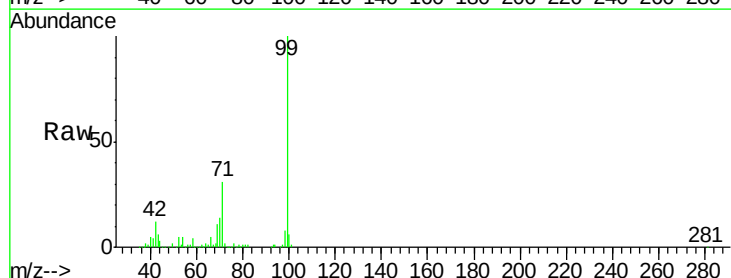
RT: 6.34 min Scan# 416

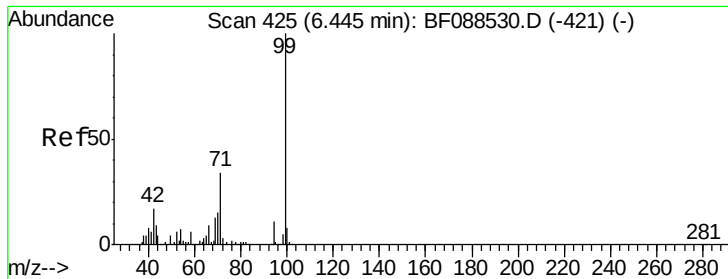
Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Tgt Ion:	93	Resp:	3161
Ion Ratio	Lower	Upper	
93	100		
66	539.5	29.8	44.8#
65	134.0	14.9	22.3#





#7

Phenol-d6

Concen: 96.11 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 99 Resp: 604530

Ion Ratio Lower Upper

99 100

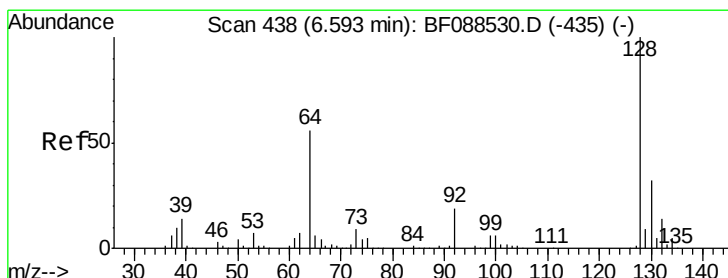
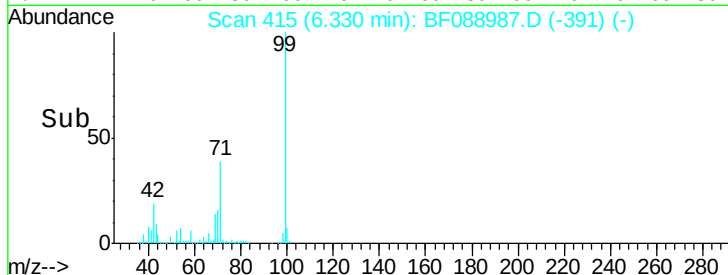
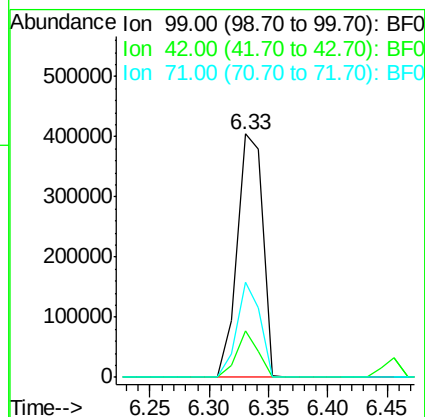
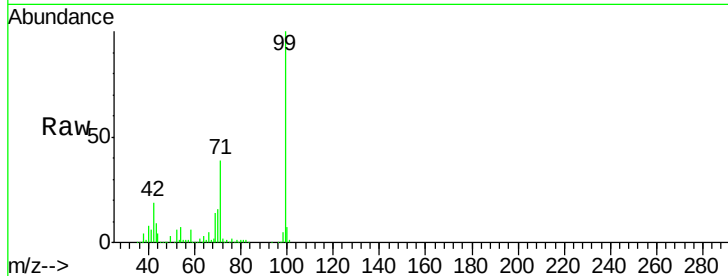
42 19.0 12.2 18.2#

71 39.1 23.4 35.0#

Manual Integrations

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#8

2-Chlorophenol

Concen: 0.74 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

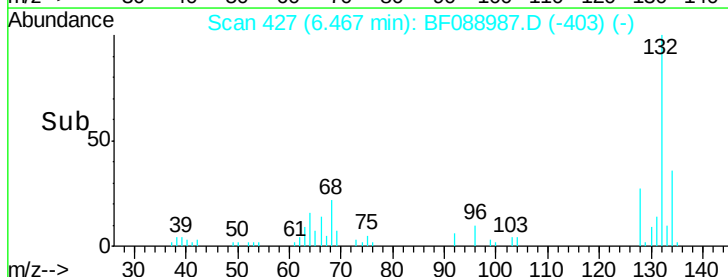
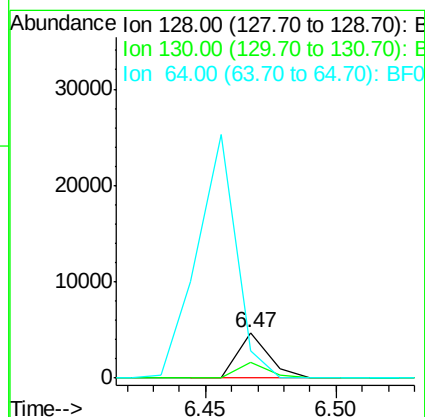
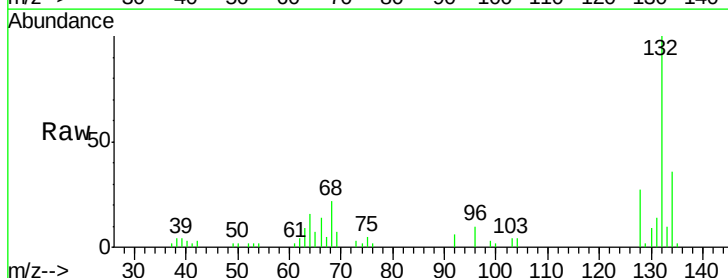
Tgt Ion: 128 Resp: 3862

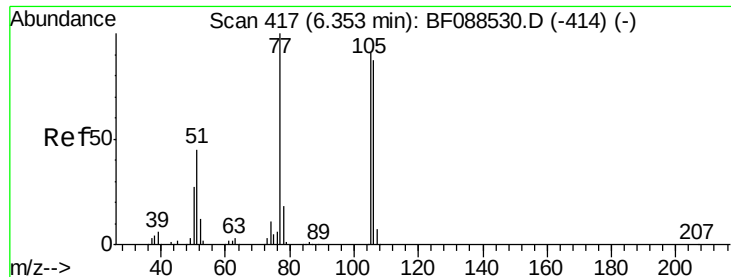
Ion Ratio Lower Upper

128 100

130 34.6 12.0 52.0

64 59.6 30.8 70.8





#9

Benzaldehyde

Concen: 0.65 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF088987.D

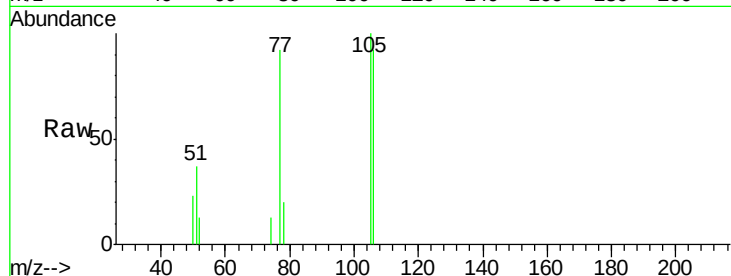
Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

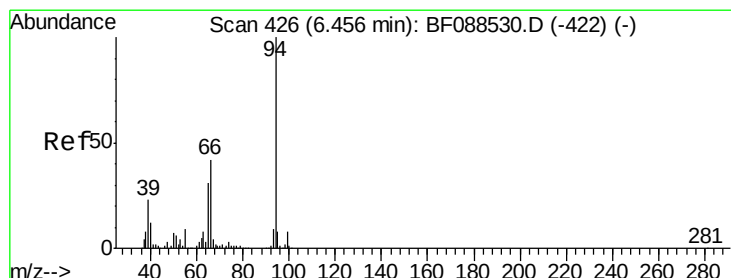
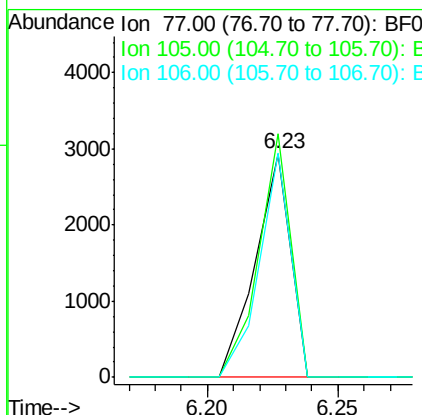
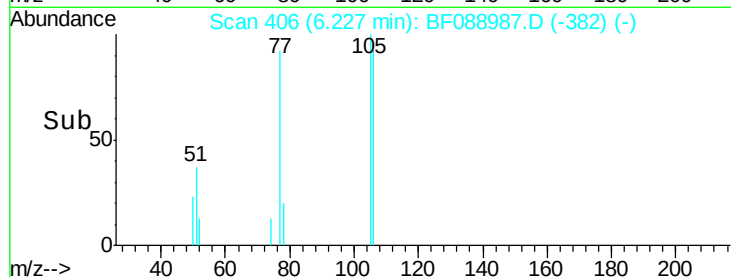


Tot Ion:	77	Resp:	2764
Ion	Ratio	Lower	Upper
77	100		
105	108.9	90.6	130.6
106	100.3	85.3	125.3

Manual Integrations

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#10

Phenol

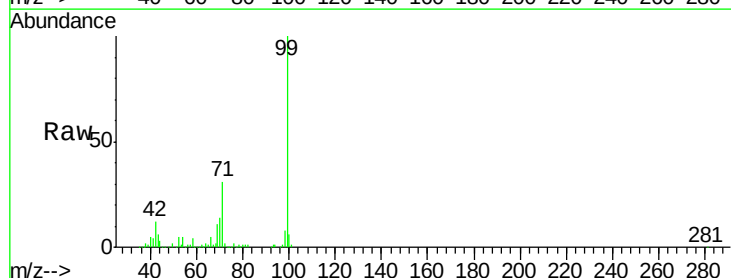
Concen: 0.42 ng

RT: 6.34 min Scan# 416

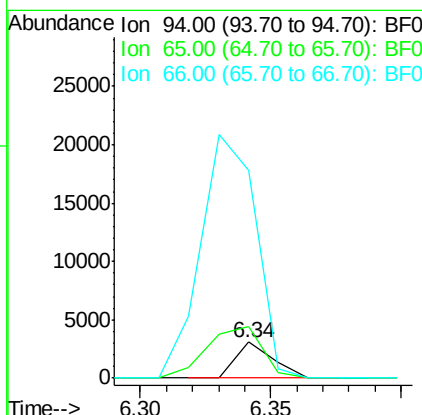
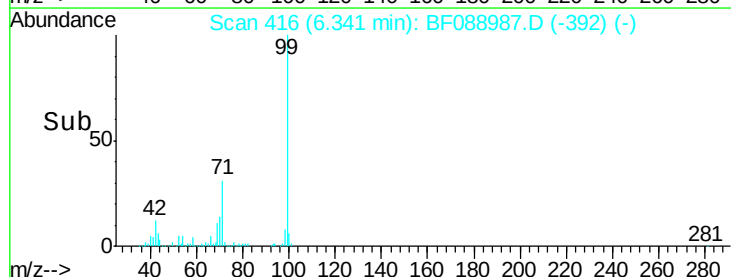
Delta R.T. -0.02 min

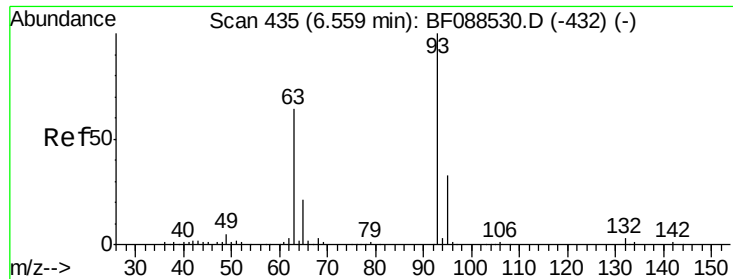
Lab File: BF088987.D

Acq: 14 Jul 2016 15:20



Tgt Ion:	94	Resp:	3028
Ion	Ratio	Lower	Upper
94	100		
65	144.7	5.9	45.9#
66	582.5	14.0	54.0#





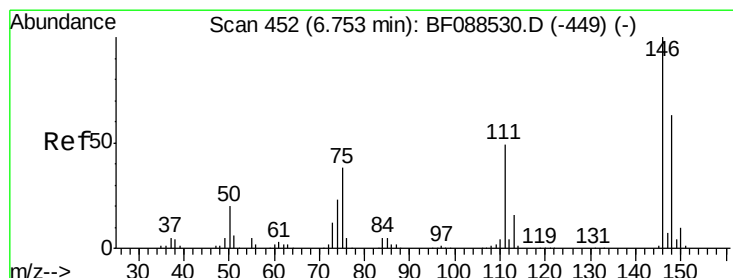
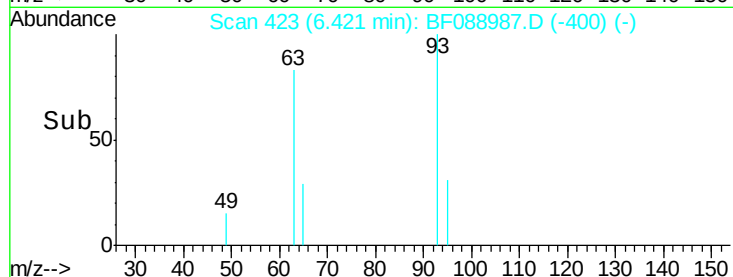
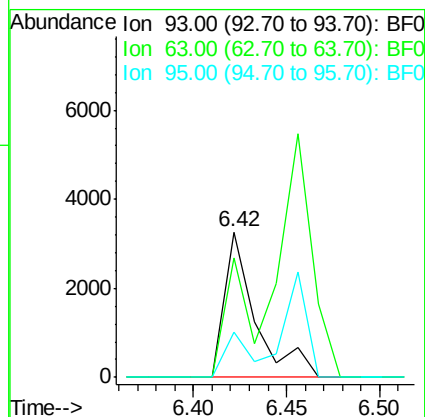
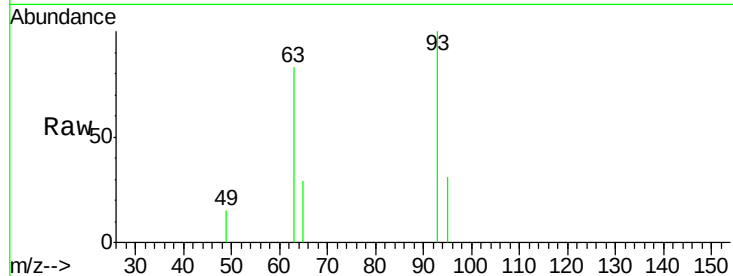
#11
bis(2-Chloroethyl)ether
Concen: 0.70 ng
RT: 6.42 min Scan# 423
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion: 93 Resp: 3754
Ion Ratio Lower Upper
93 100
63 82.5 67.6 107.6
95 31.5 12.5 52.5

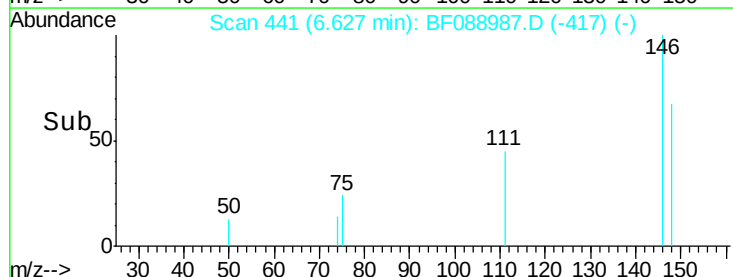
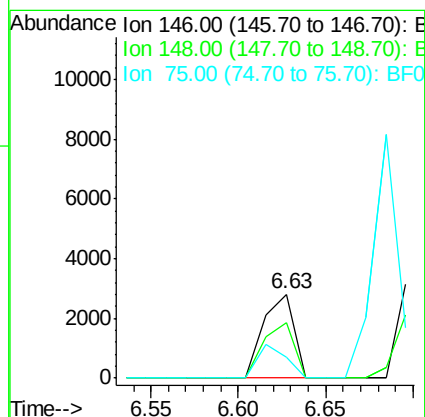
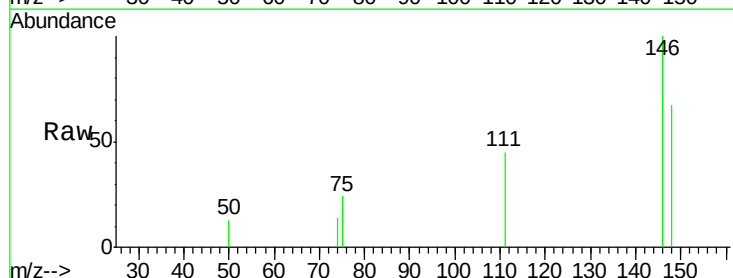
Manual Integrations

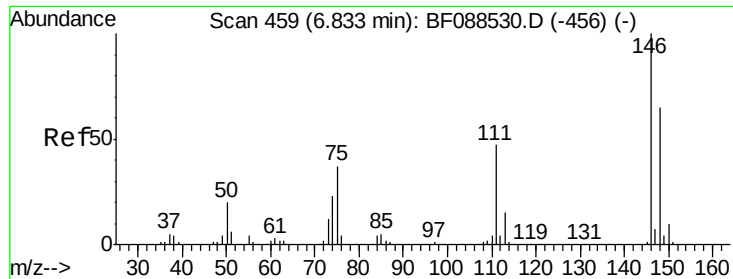
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#12
1,3-Dichlorobenzene
Concen: 0.58 ng m
RT: 6.63 min Scan# 441
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion: 146 Resp: 3364
Ion Ratio Lower Upper
146 100
148 66.7 50.9 76.3
75 24.1 25.6 38.4#





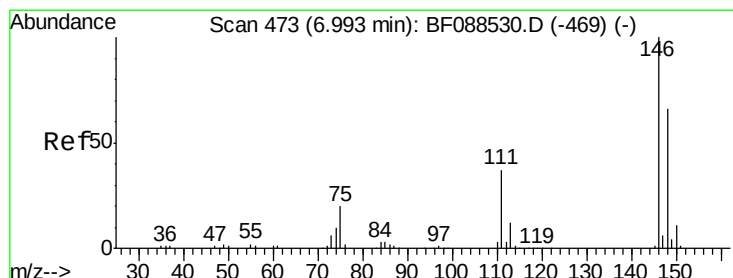
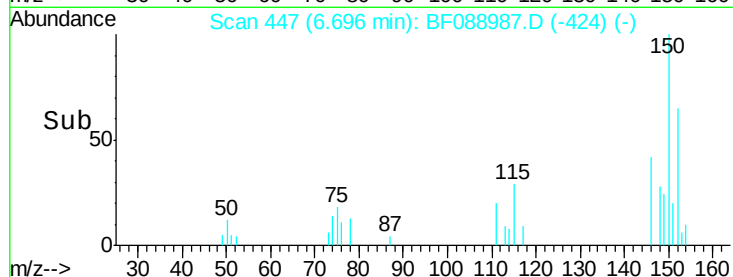
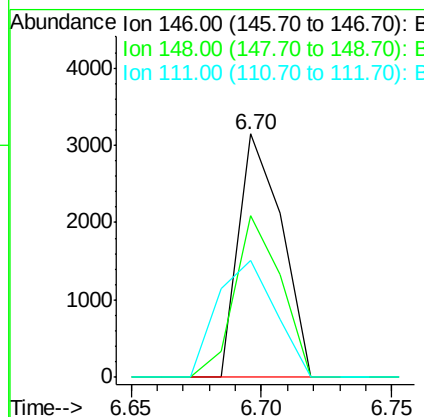
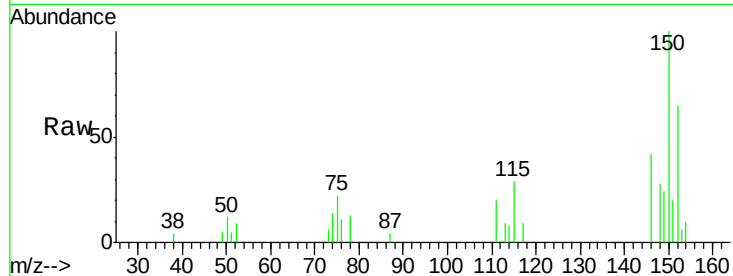
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 1,4-Dichlorobenzene
 Concen: 0.63 ng
 RT: 6.70 min Scan# 447
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.7	52.0	78.0
111	47.8	33.8	50.8

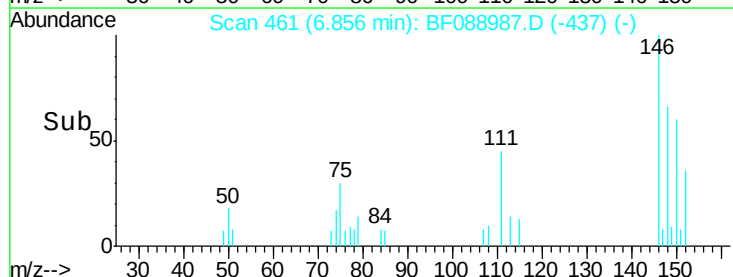
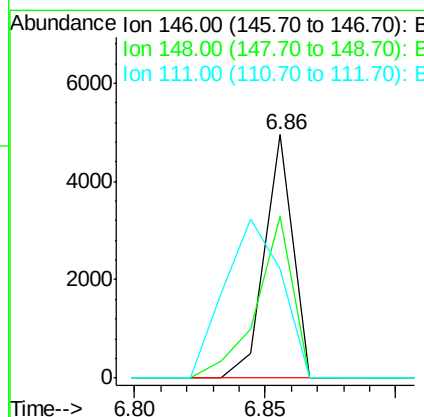
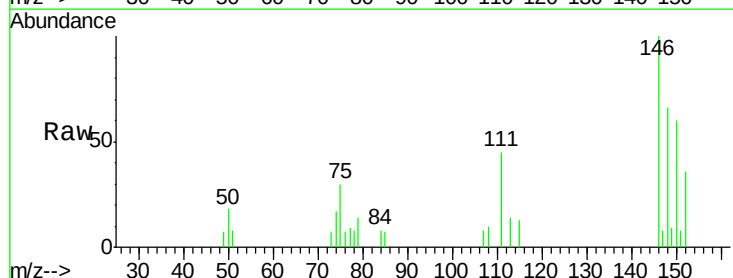
Manual Integrations

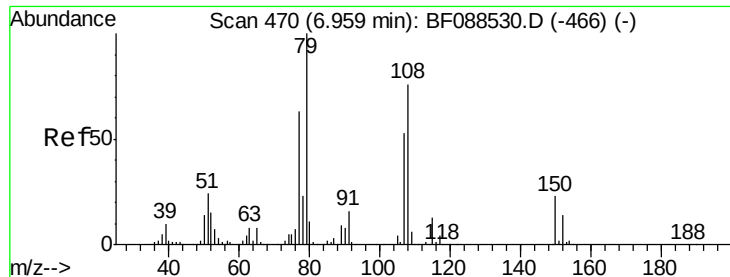
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#14
 1,2-Dichlorobenzene
 Concen: 0.70 ng
 RT: 6.86 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.4	52.3	78.5
111	45.0	28.7	43.1





#15

Benzyl Alcohol

Concen: 1.92 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 79 Resp: 8906

Ion Ratio Lower Upper

79 100

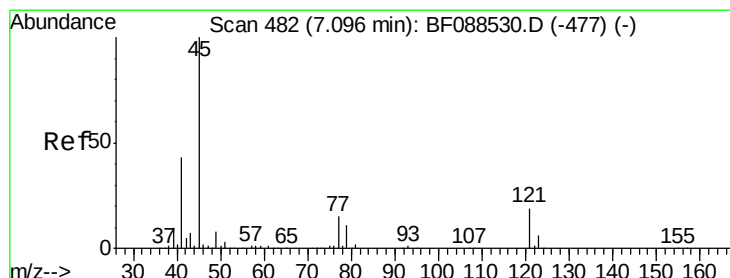
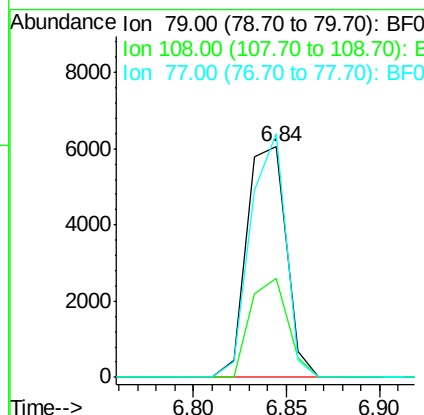
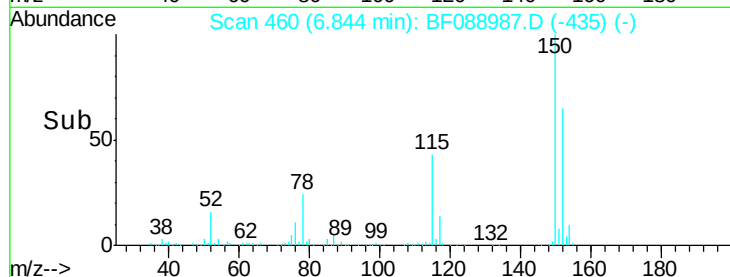
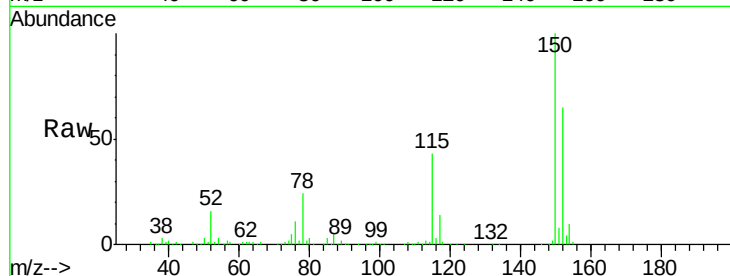
108 42.7 65.0 97.6#

77 105.7 50.3 75.5#

Manual Integrations

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#16

2,2'-oxybis(1-chloropropane)

Concen: 0.50 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.02 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

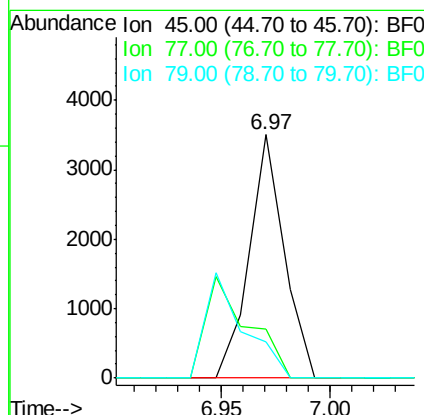
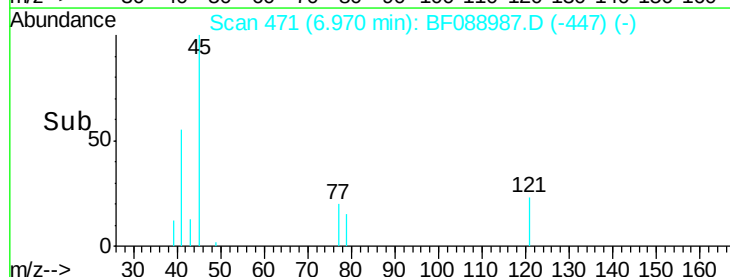
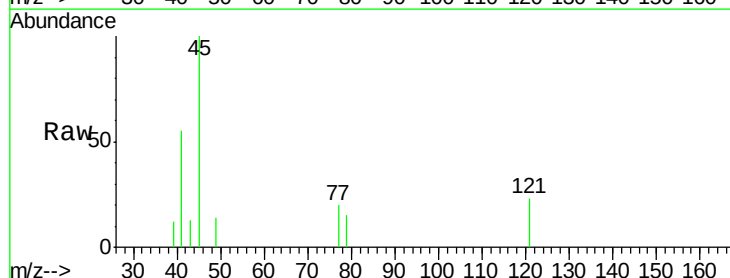
Tgt Ion: 45 Resp: 3900

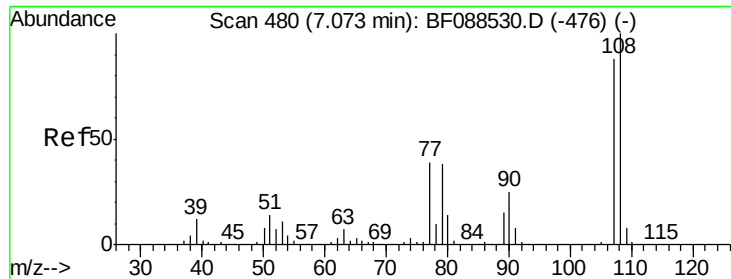
Ion Ratio Lower Upper

45 100

77 20.3 0.0 32.5

79 15.0 0.0 29.5





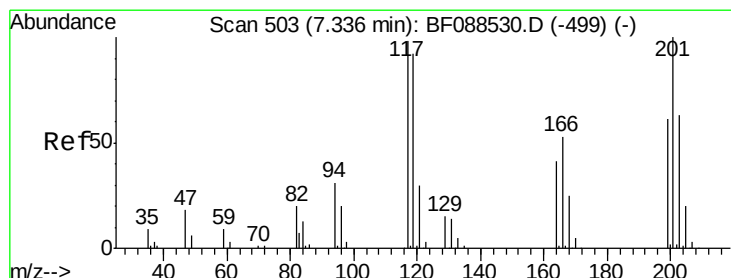
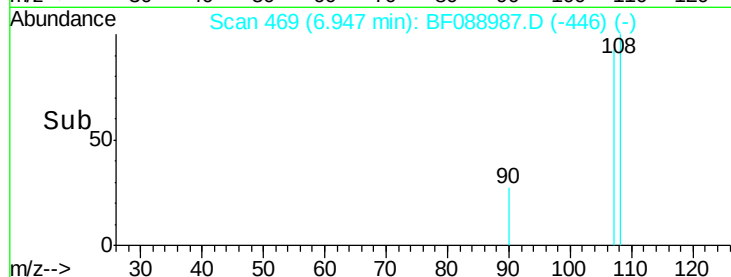
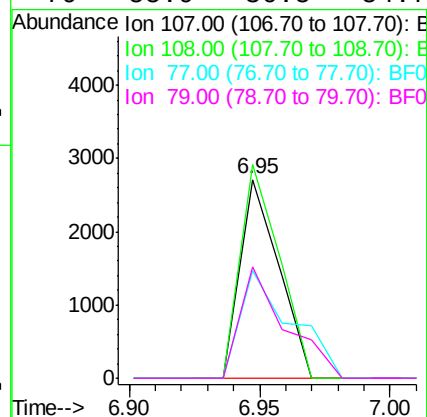
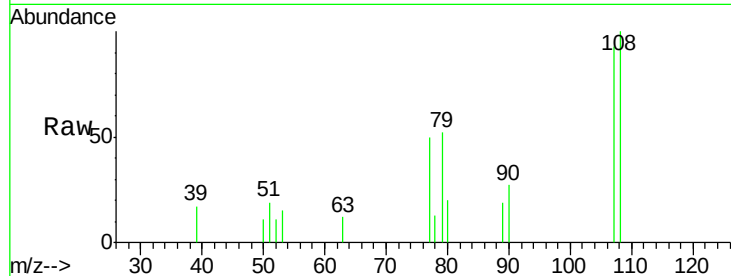
#17
2-Methylphenol
Concen: 0.66 ng
RT: 6.95 min Scan# 469
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:	107	Resp:	2823
Ion	Ratio	Lower	Upper
107	100		
108	107.6	90.9	136.3
77	53.9	36.6	55.0
79	55.9	36.5	54.7#

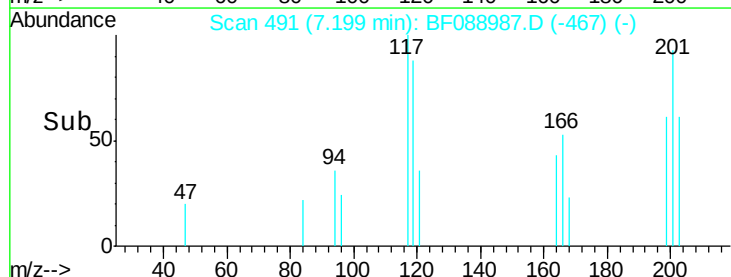
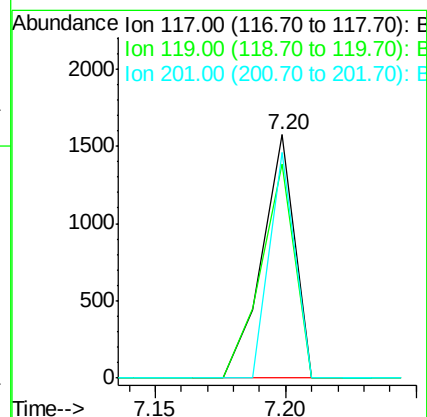
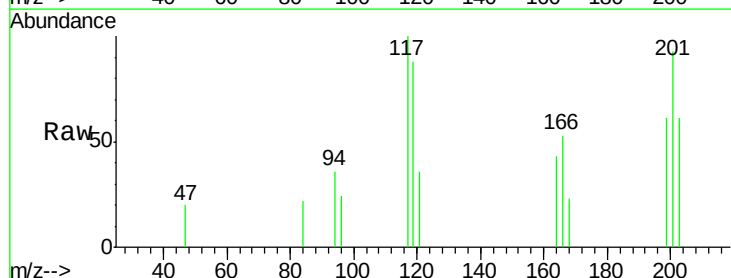
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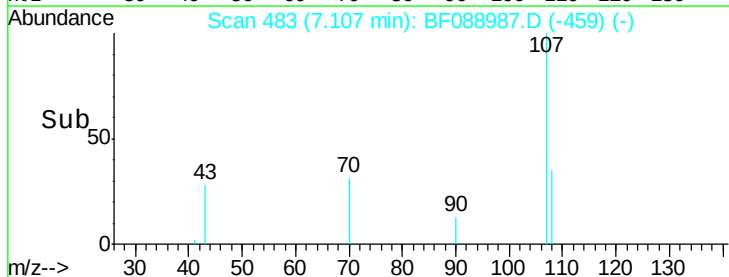
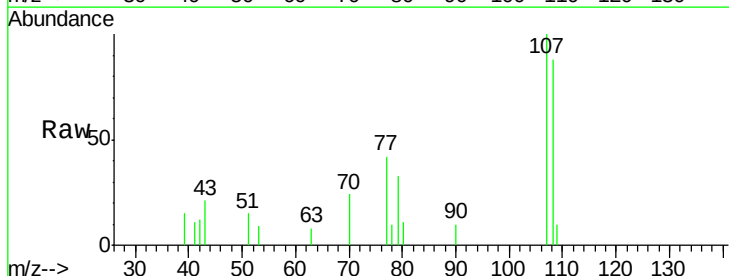
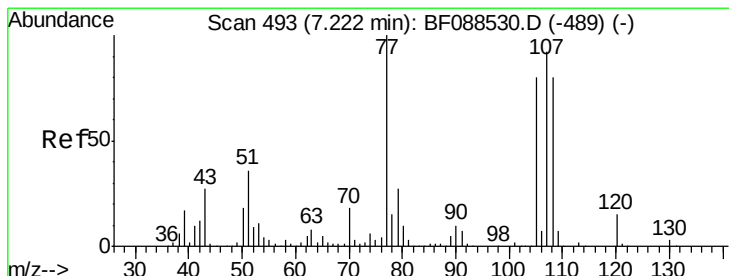
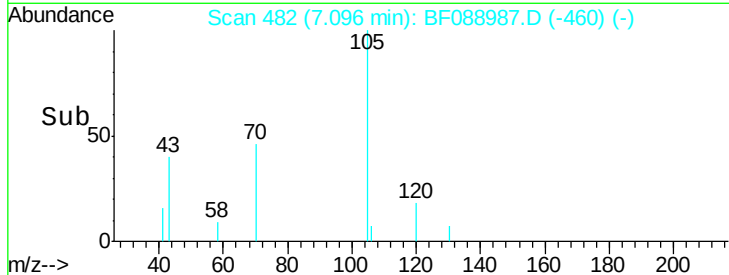
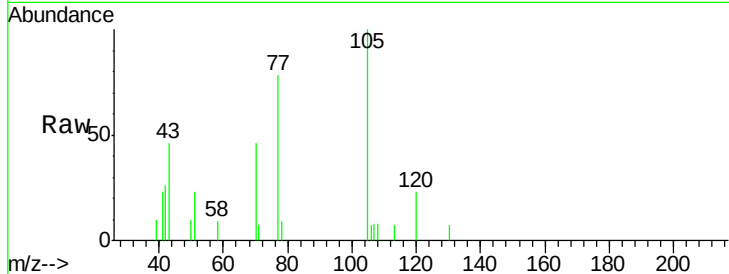
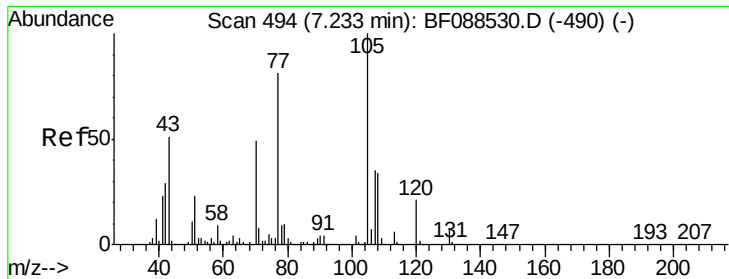
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#18
Hexachloroethane
Concen: 0.63 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion:	117	Resp:	1385
Ion	Ratio	Lower	Upper
117	100		
119	87.9	77.4	116.2
201	92.9	80.4	120.6





#19

n-Nitroso-di-n-propylamine

Concen: 0.56 ng

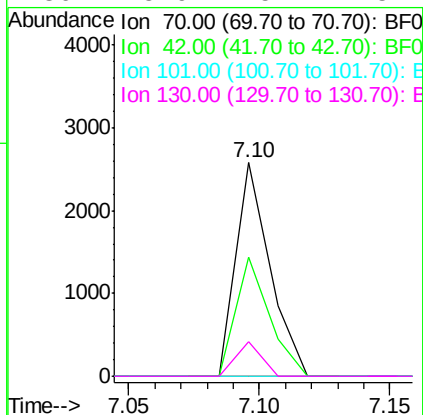
RT: 7.10 min Scan# 482

Delta R.T. -0.05 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Tot Ion	Ratio	Lower	Upper
70	100		
42	55.7	49.6	74.4
101	0.0	7.1	10.7#
130	15.9	15.4	23.2



Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

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#20

3+4-Methylphenols

Concen: 0.69 ng

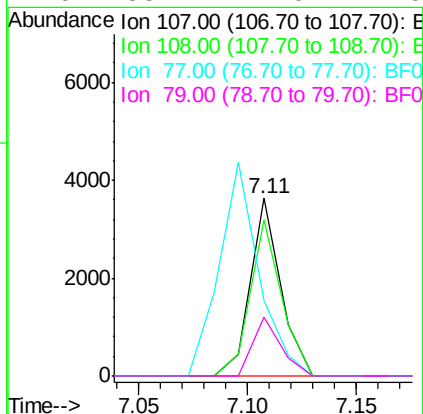
RT: 7.11 min Scan# 483

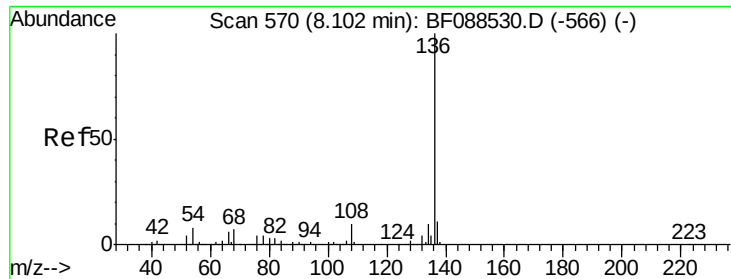
Delta R.T. -0.02 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.1	67.8	107.8
77	42.3	59.3	99.3#
79	33.1	7.0	47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF088987.D

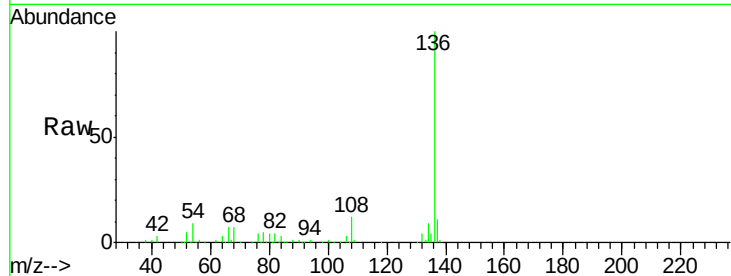
Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01



Tot Ion:136 Resp: 277772

Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

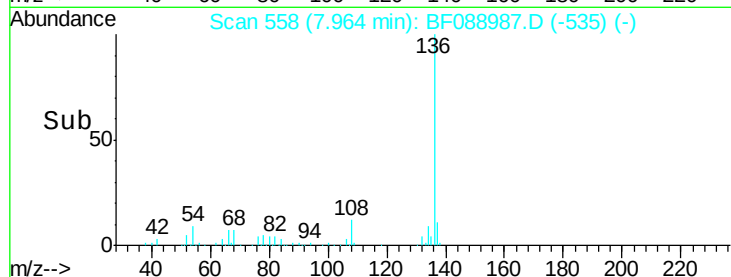
54 8.9 6.6 10.0

68 6.7 5.1 7.7

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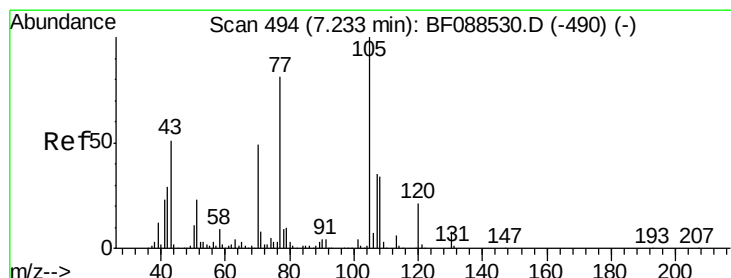
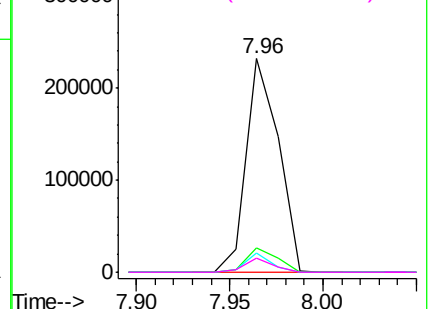


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 0.74 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Tgt Ion:105 Resp: 4981

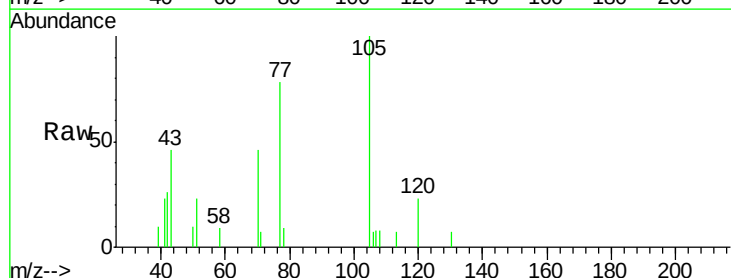
Ion Ratio Lower Upper

105 100

71 7.3 5.3 7.9

51 22.8 18.2 27.4

120 23.1 18.0 27.0

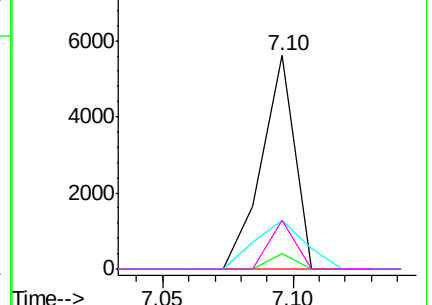
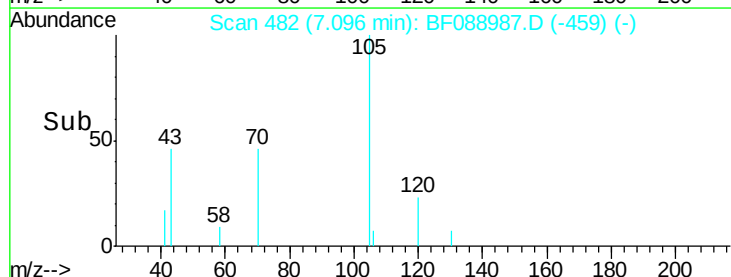


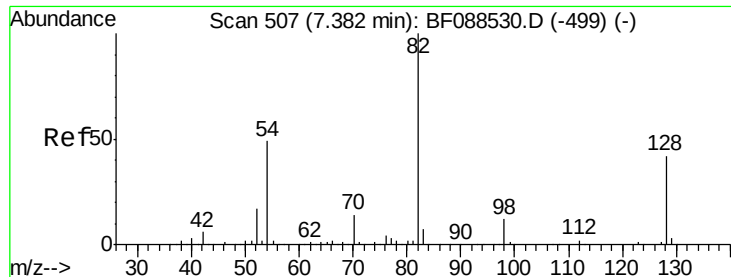
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





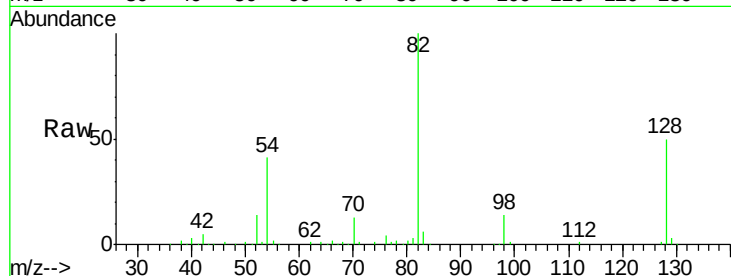
#23
Nitrobenzene-d5
Concen: 71.75 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

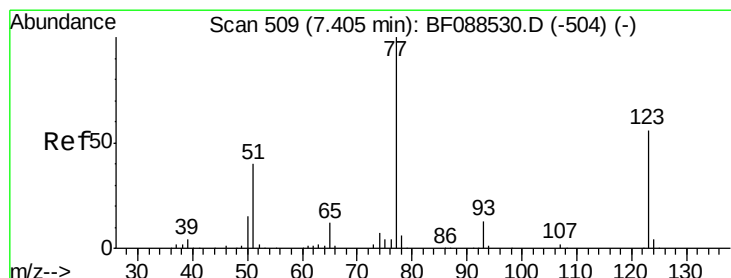
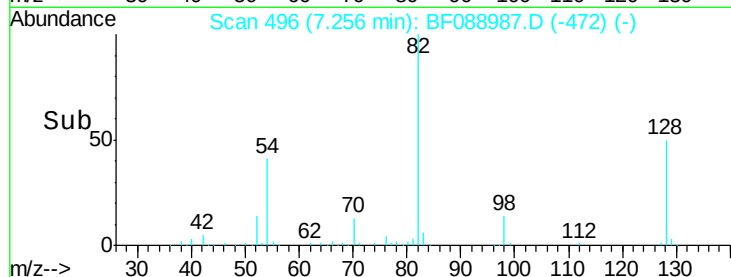
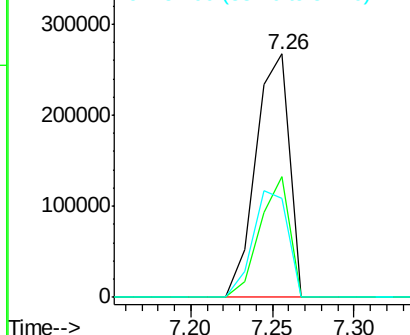
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.8	35.9	53.9
54	40.8	40.9	61.3#

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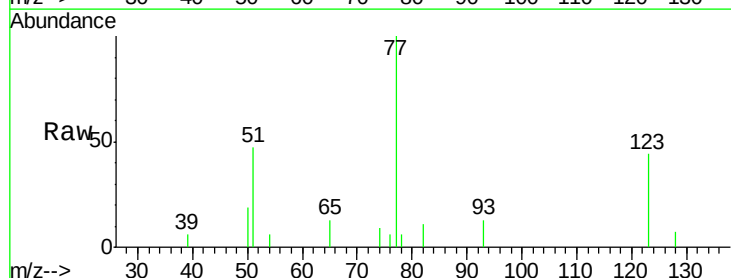


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

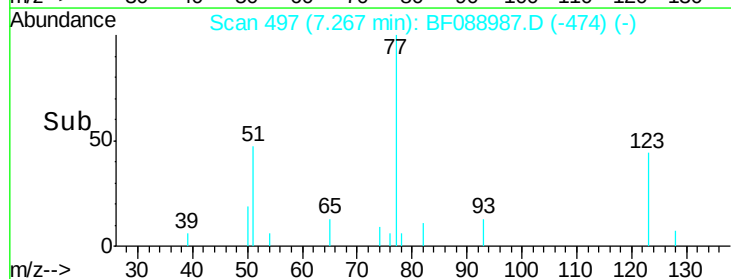
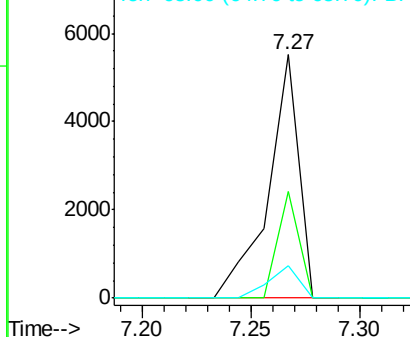


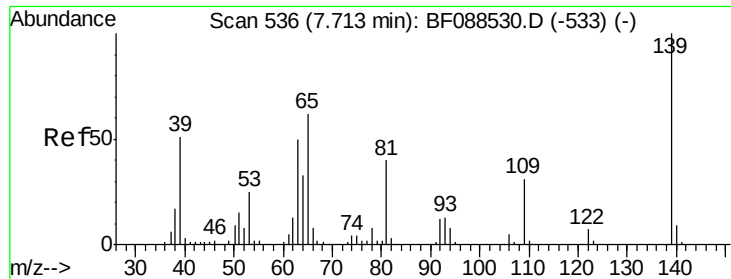
#24
Nitrobenzene
Concen: 1.02 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.0	45.0	67.4#
65	13.4	10.2	15.2



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





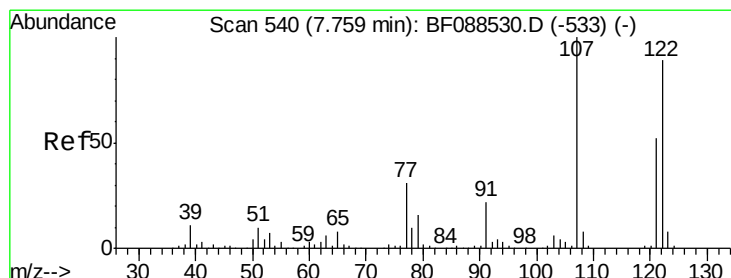
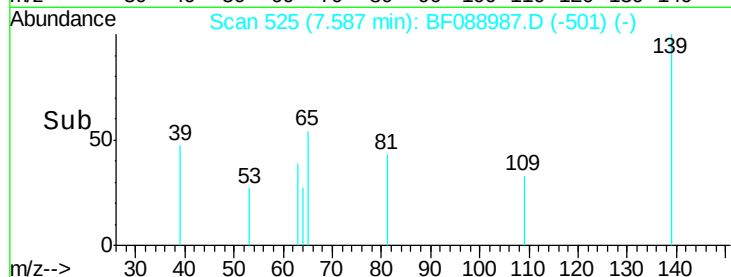
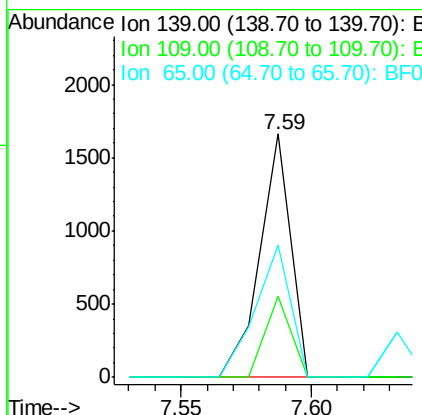
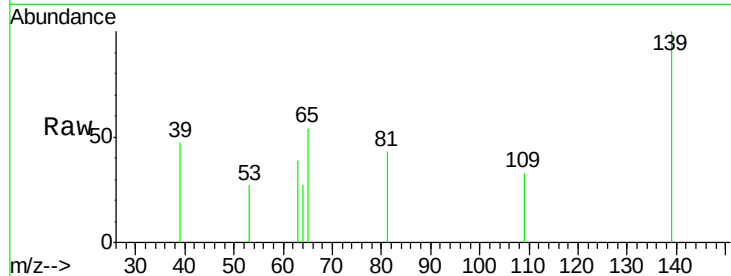
#26
2-Nitrophenol
Concen: 0.63 ng
RT: 7.59 min Scan# 525
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
139	100		
109	33.2	23.0	34.4
65	54.4	45.8	68.8

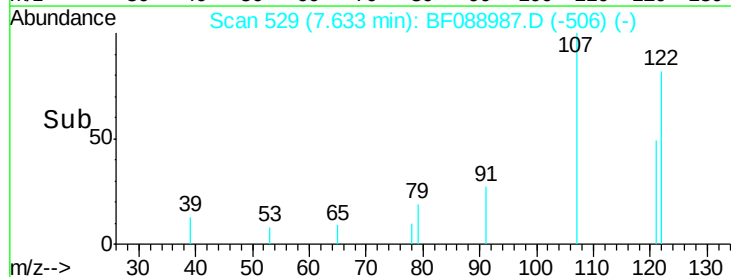
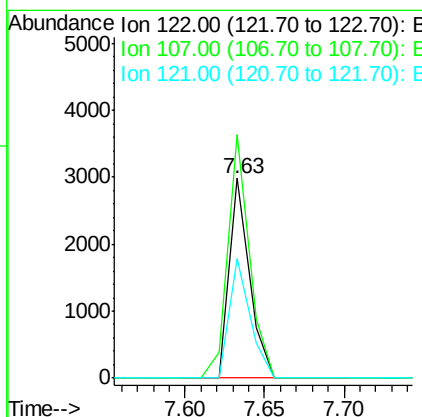
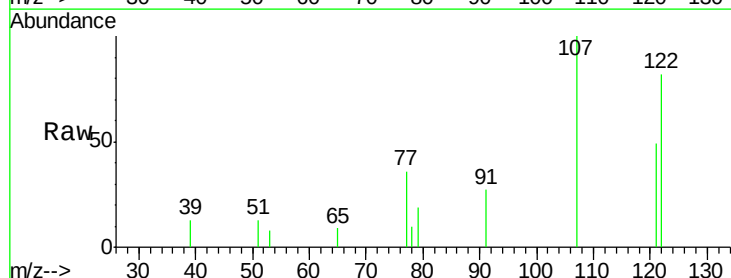
Manual Integrations

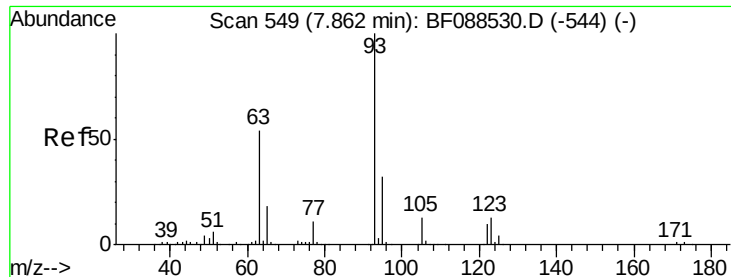
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#27
2,4-Dimethylphenol
Concen: 0.56 ng m
RT: 7.63 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
122	100		
107	122.0	82.4	123.6
121	60.0	46.3	69.5





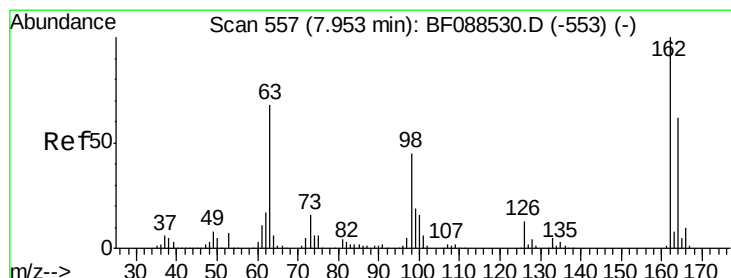
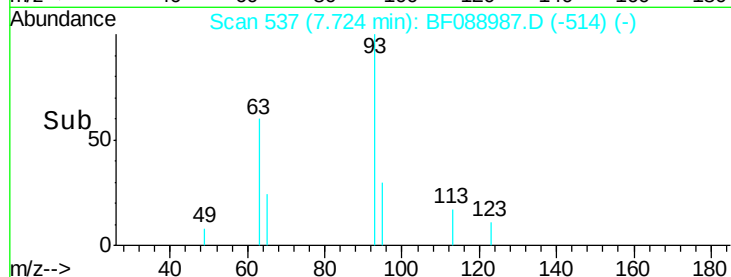
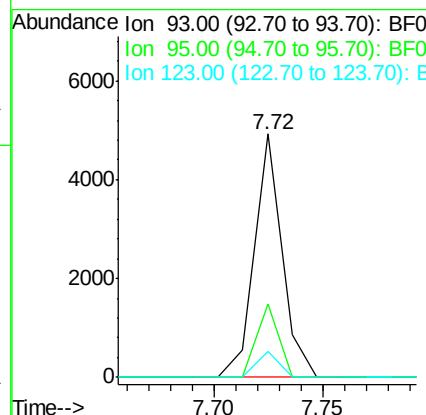
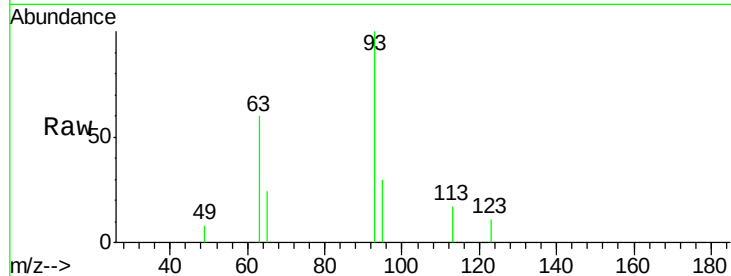
#28
 bis(2-Chloroethoxy)methane
 Concen: 0.68 ng
 RT: 7.72 min Scan# 537
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion: 93 Resp: 4355
 Ion Ratio Lower Upper
 93 100
 95 30.1 26.5 39.7
 123 10.7 11.6 17.4#

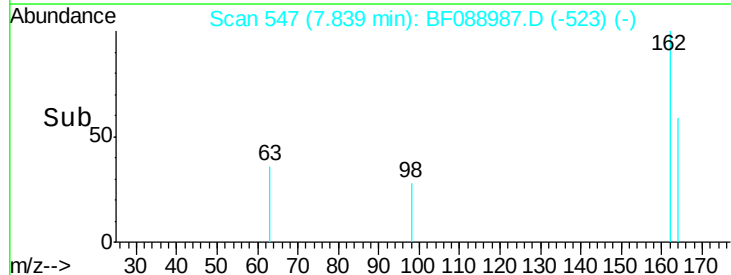
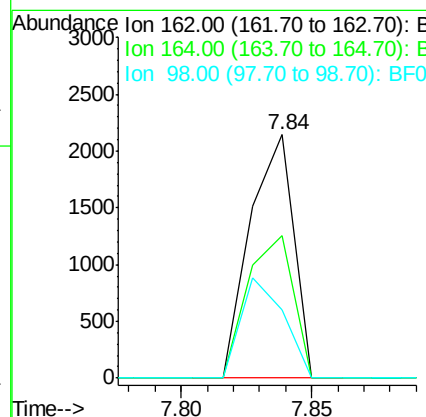
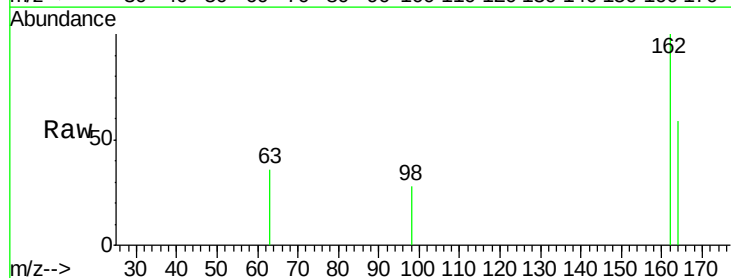
Manual Integrations

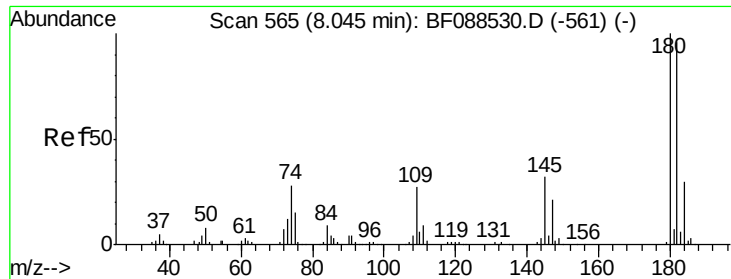
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#29
 2,4-Dichlorophenol
 Concen: 0.68 ng
 RT: 7.84 min Scan# 547
 Delta R.T. -0.02 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Tgt Ion: 162 Resp: 2509
 Ion Ratio Lower Upper
 162 100
 164 58.6 43.8 83.8
 98 27.8 21.3 61.3





#30

1,2,4-Trichlorobenzene

Concen: 0.75 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

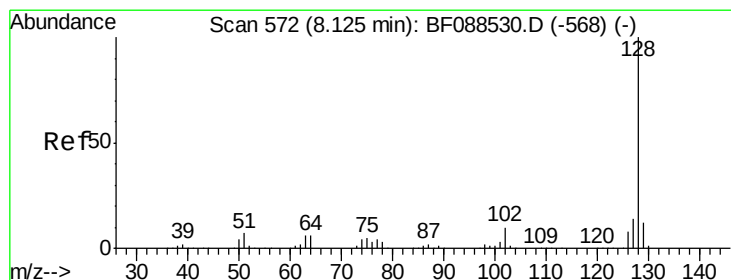
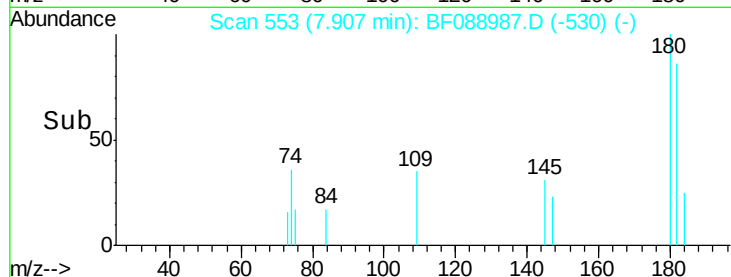
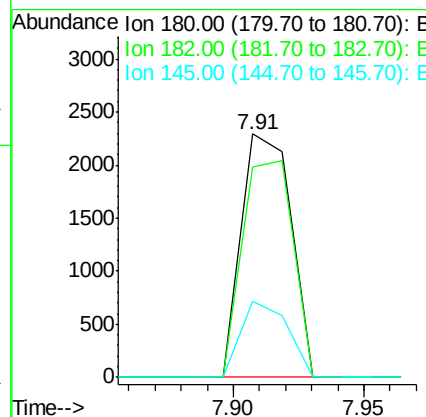
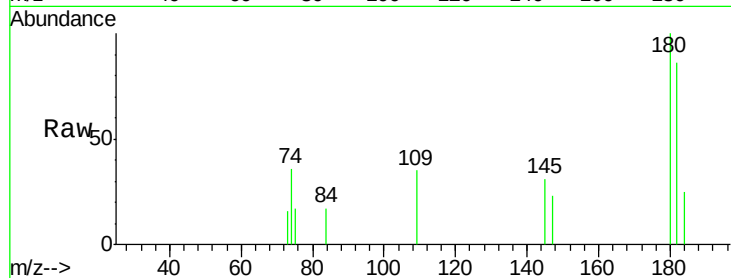
LOD-SOIL2016-01

Tot Ion:	180	Resp:	3031
Ion	Ratio	Lower	Upper
180	100		
182	86.4	76.0	114.0
145	31.1	26.5	39.7

Manual Integrations

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#31

Naphthalene

Concen: 0.73 ng

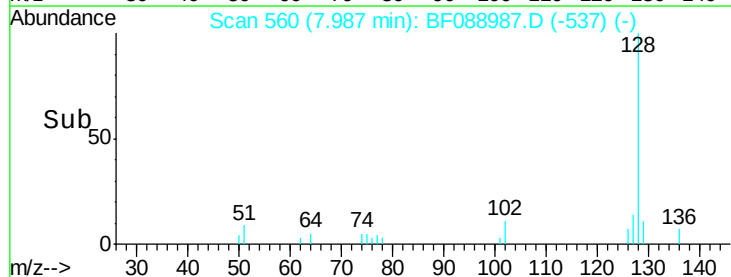
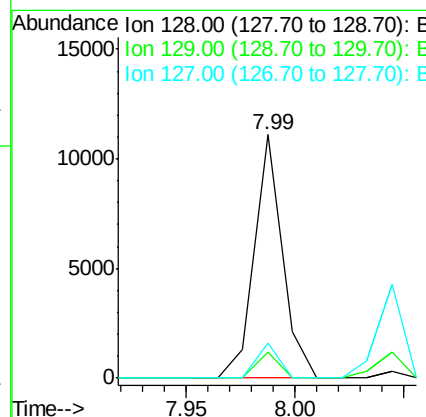
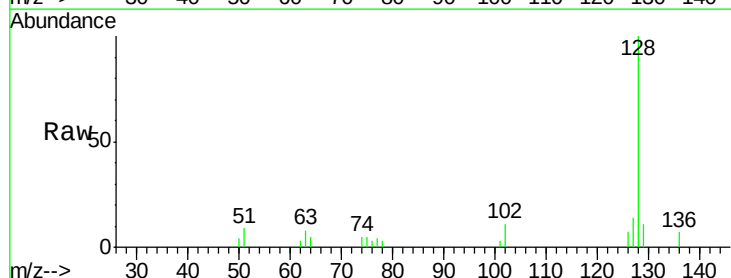
RT: 7.99 min Scan# 560

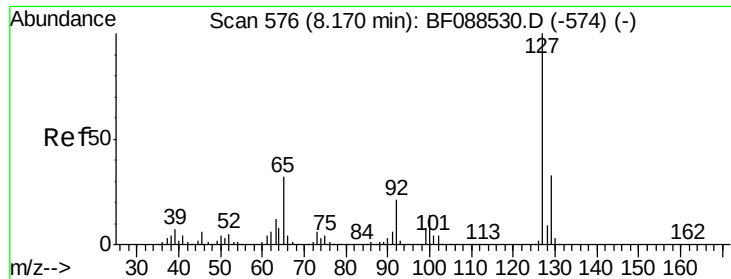
Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Tgt Ion:	128	Resp:	9950
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.2
127	14.5	10.9	16.3





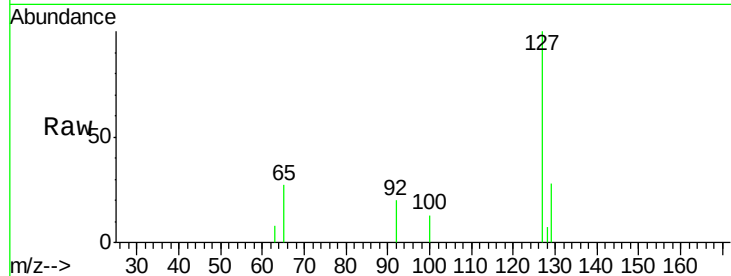
#33
4-Chloroaniline
Concen: 0.57 ng
RT: 8.04 min Scan# 565
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

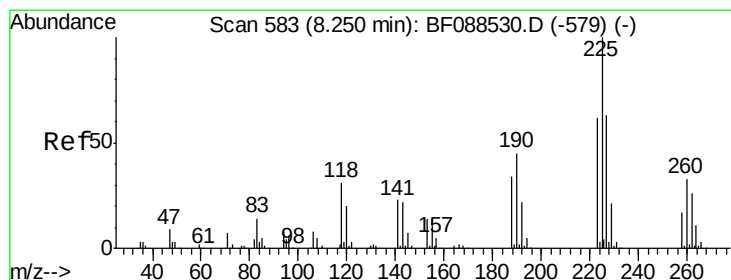
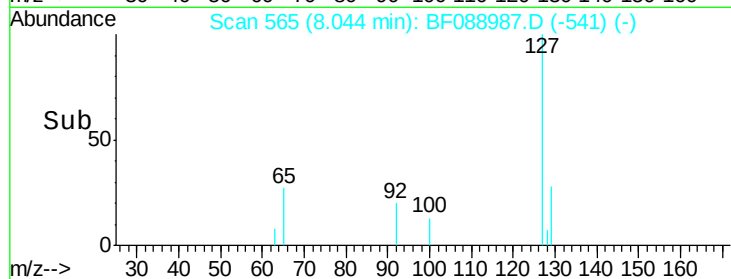
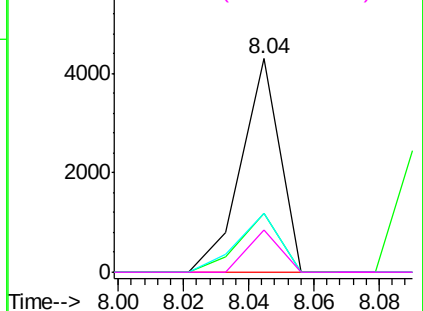
Tot Ion:	127	Resp:	3488
Ion Ratio	Lower	Upper	
127	100		
129	27.6	26.3	39.5
65	27.4	24.7	37.1
92	19.8	15.4	23.0

Manual Integrations

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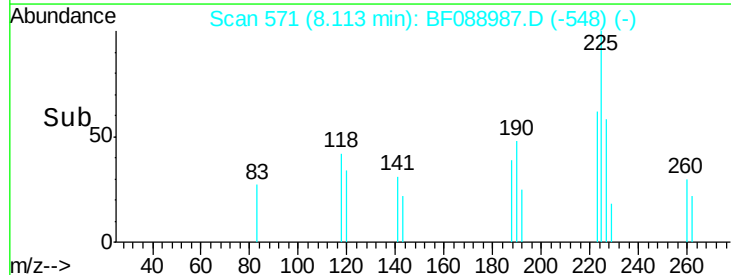
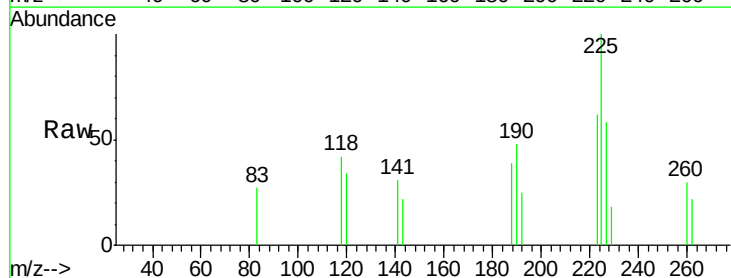
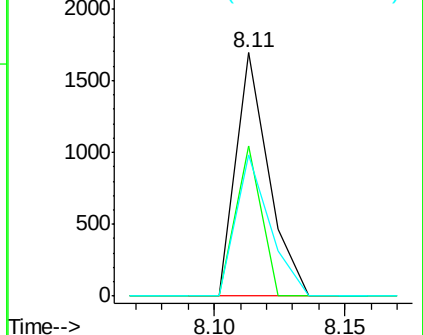
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

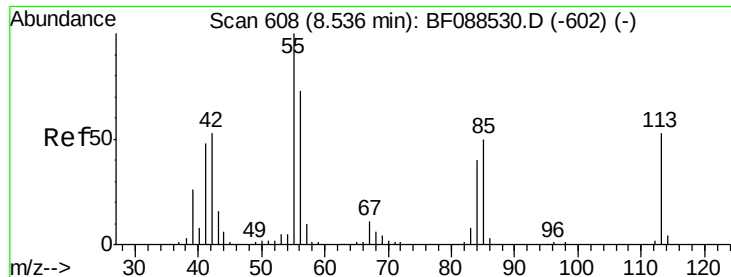


#34
Hexachlorobutadiene
Concen: 0.68 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion:	225	Resp:	1480
Ion Ratio	Lower	Upper	
225	100		
223	61.9	50.9	76.3
227	57.9	51.9	77.9

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





#35

Caprolactam

Concen: 0.63 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.09 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:113 Resp: 789

Ion Ratio Lower Upper

113 100

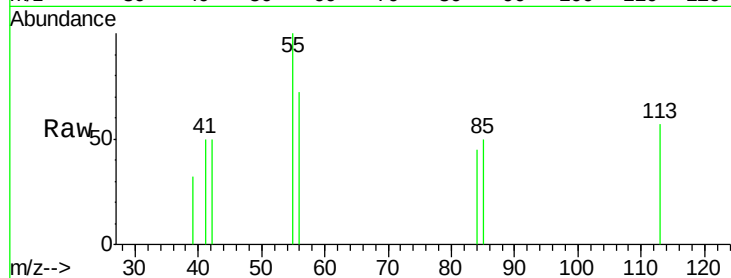
55 174.9 158.6 198.6

56 125.1 110.6 150.6

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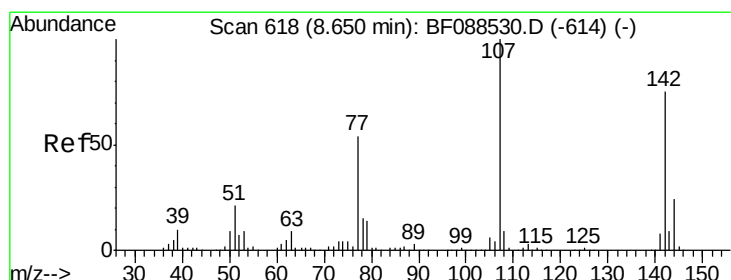
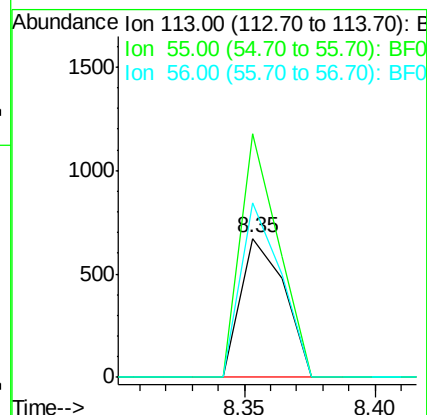
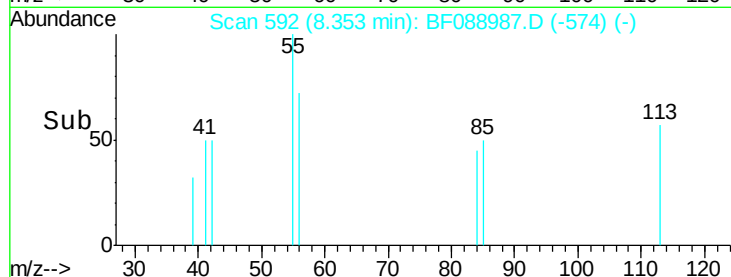
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 0.68 ng

RT: 8.52 min Scan# 607

Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

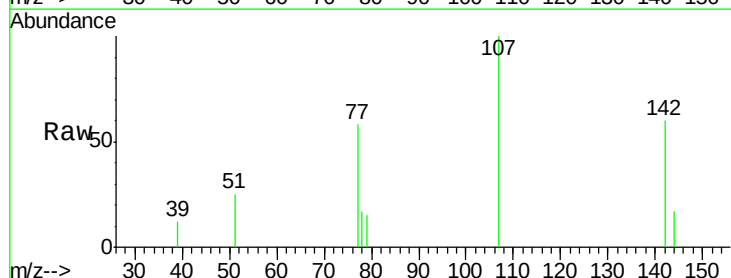
Tgt Ion:107 Resp: 2946

Ion Ratio Lower Upper

107 100

144 17.5 20.8 31.2#

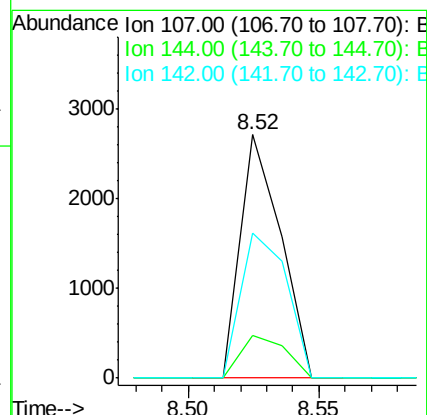
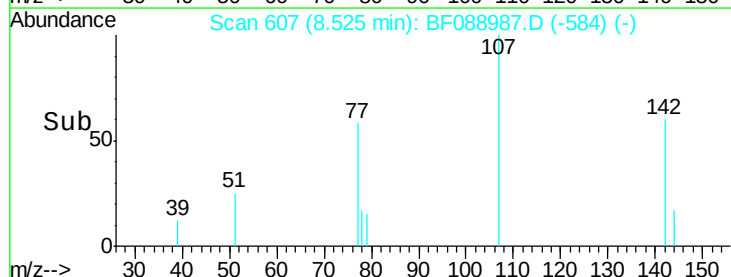
142 59.6 63.4 95.2#

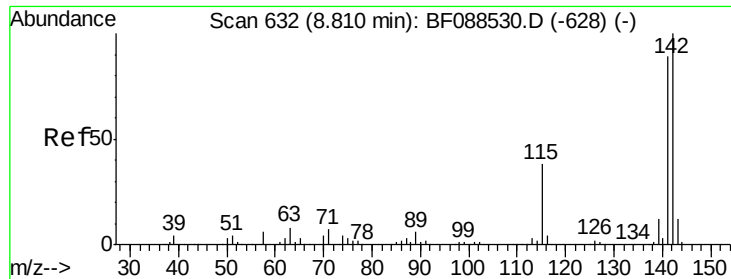


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





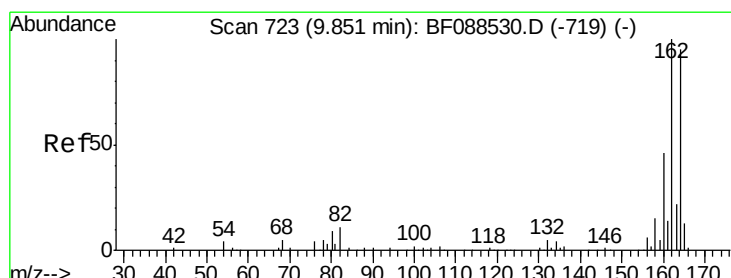
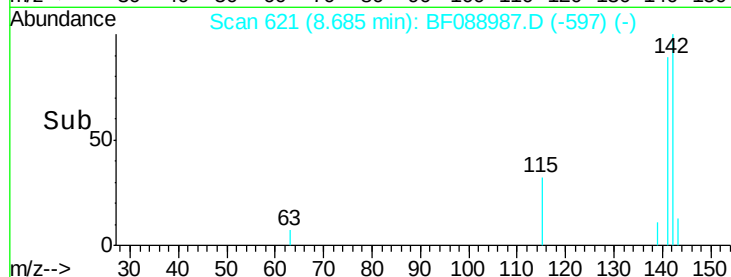
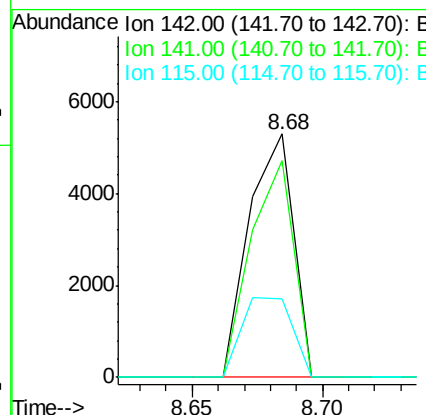
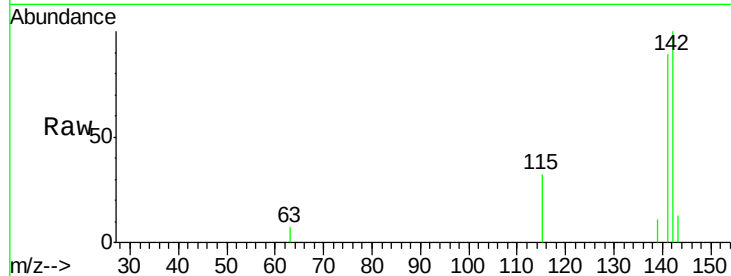
#37
2-Methylnaphthalene
Concen: 0.72 ng
RT: 8.68 min Scan# 621
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:142 Resp: 6341
Ion Ratio Lower Upper
142 100
141 89.1 71.0 106.6
115 32.1 22.6 33.8

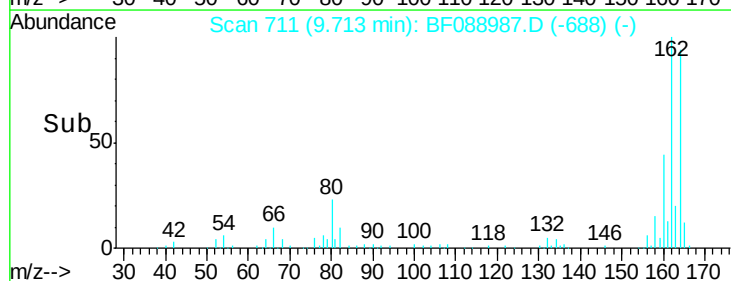
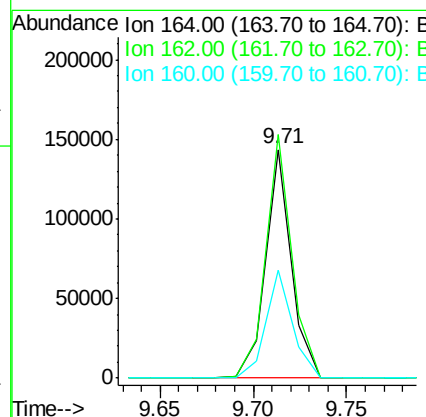
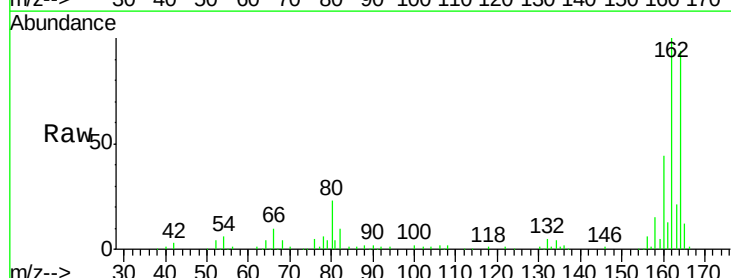
Manual Integrations

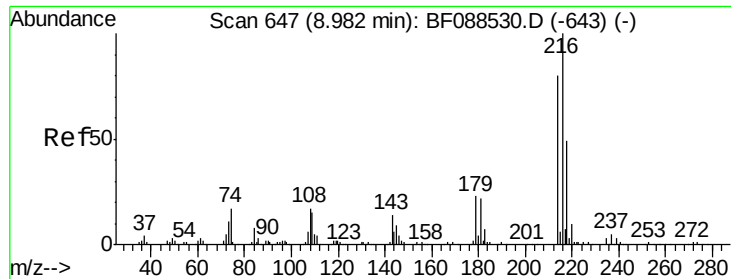
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion:164 Resp: 138001
Ion Ratio Lower Upper
164 100
162 106.5 85.4 128.2
160 47.1 39.5 59.3





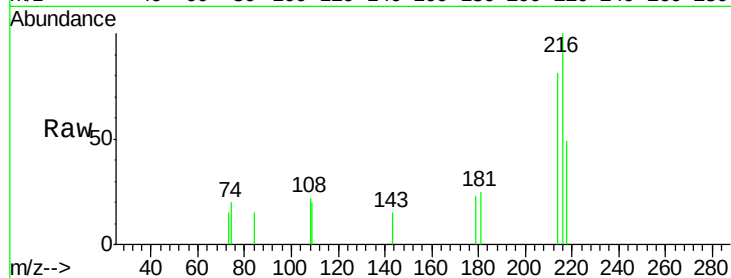
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 0.64 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

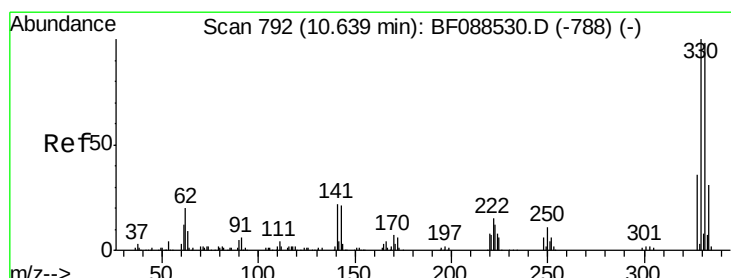
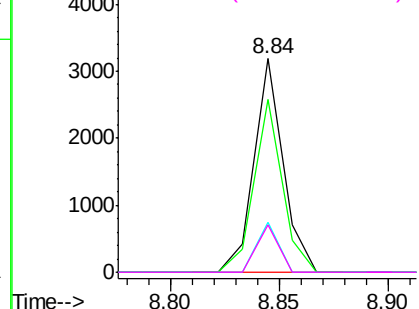
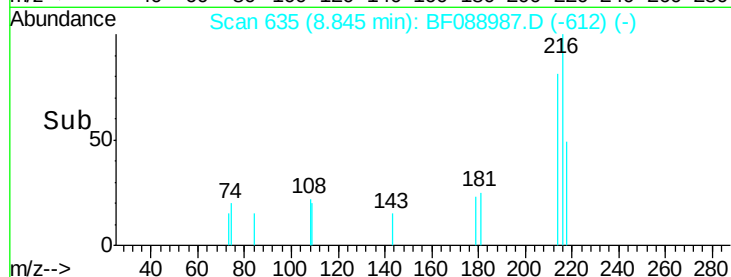
Tot Ion	Ratio	Lower	Upper
216	100		
214	78.7	2.9	4.3#
179	17.2	0.0	0.0#
108	16.3	0.5	0.7#

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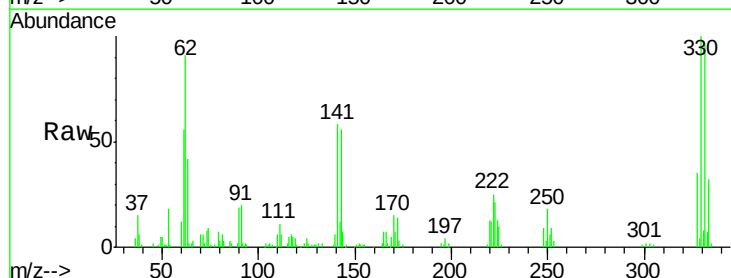


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

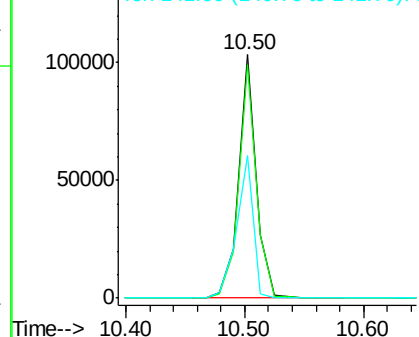
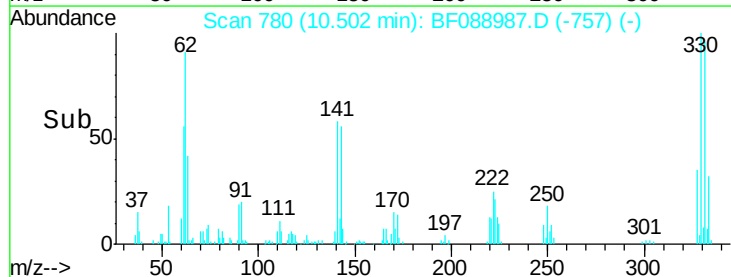


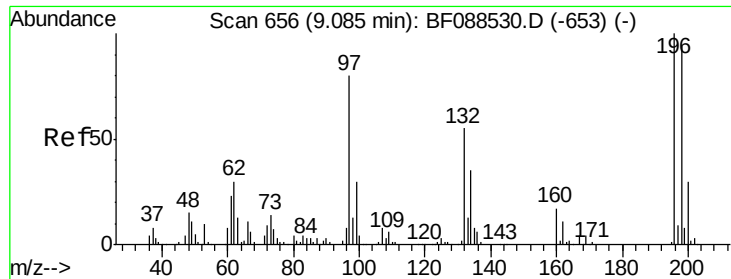
#41
 2,4,6-Tribromophenol
 Concen: 83.17 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	55.6	0.0	0.0#



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





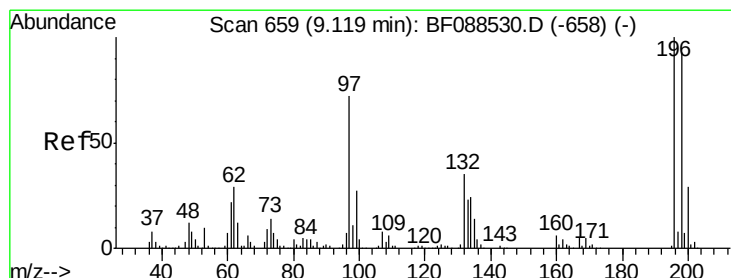
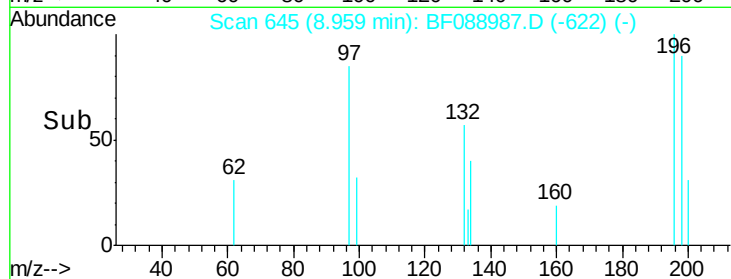
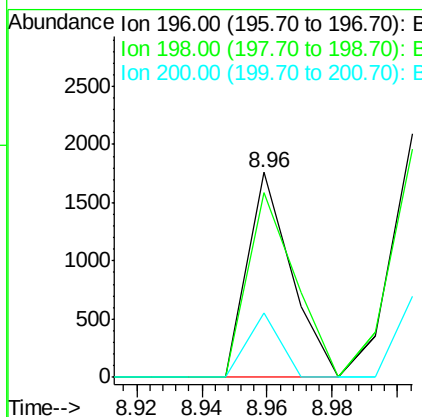
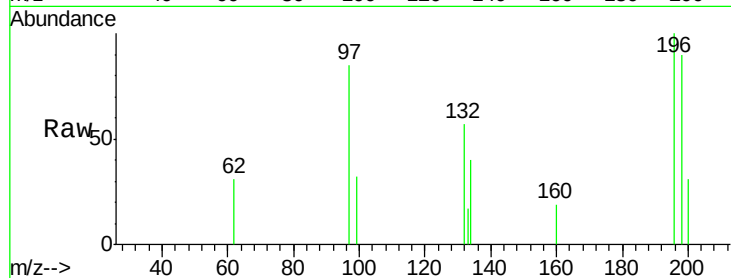
#42
 2,4,6-Trichlorophenol
 Concen: 0.54 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:196 Resp: 1629
 Ion Ratio Lower Upper
 196 100
 198 90.1 78.0 117.0
 200 31.3 25.4 38.2

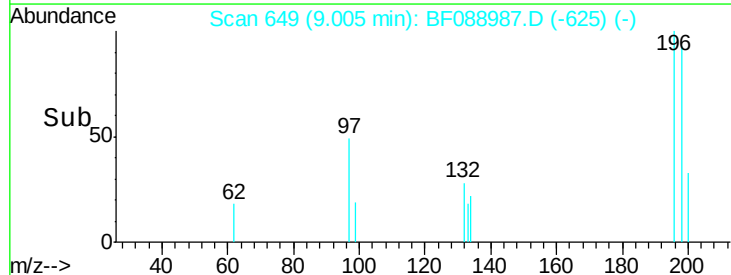
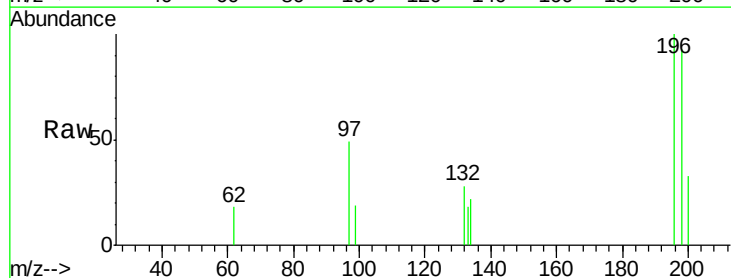
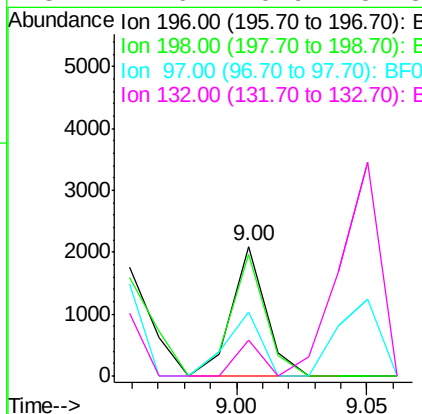
Manual Integrations

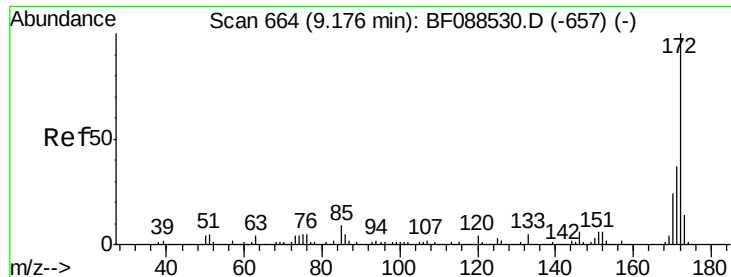
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#43
 2,4,5-Trichlorophenol
 Concen: 0.75 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.02 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Tgt Ion:196 Resp: 1940
 Ion Ratio Lower Upper
 196 100
 198 93.5 77.5 116.3
 97 49.0 32.0 48.0#
 132 27.6 20.9 31.3





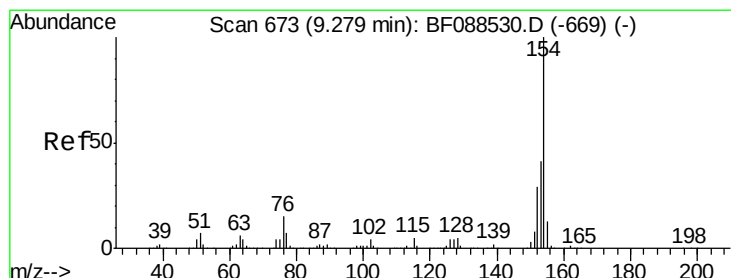
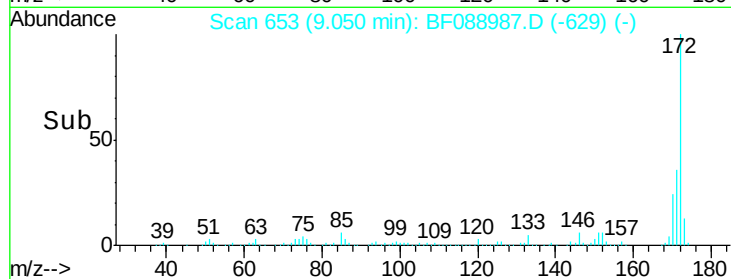
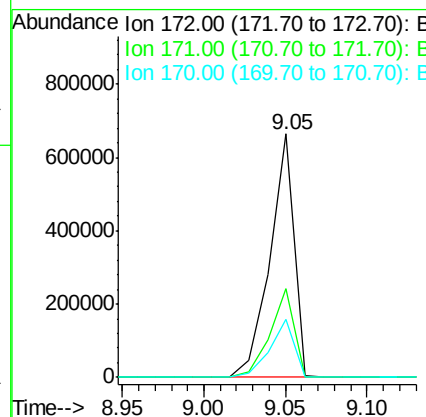
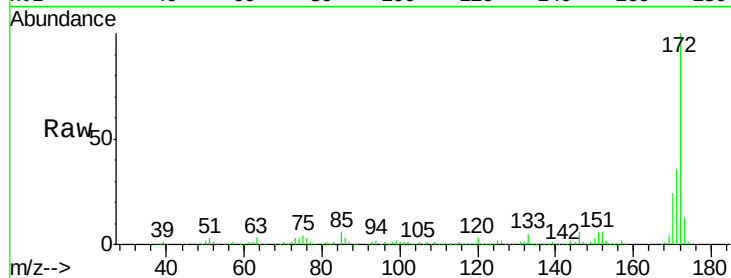
#44
2-Fluorobiphenyl
Concen: 78.31 ng
RT: 9.05 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.0	19.2	28.8

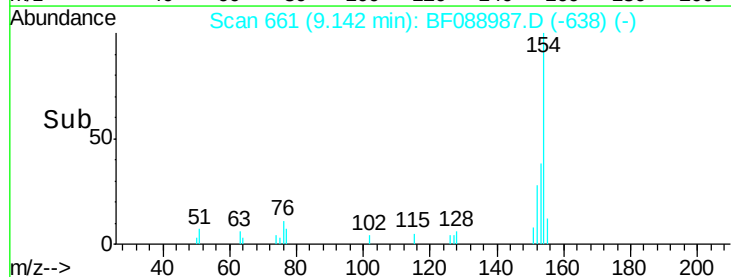
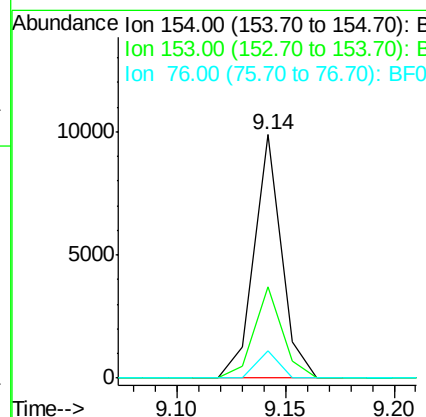
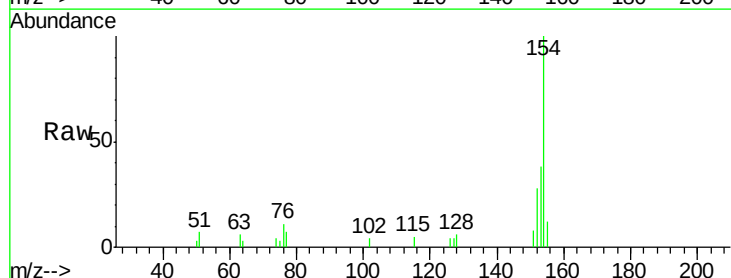
Manual Integrations

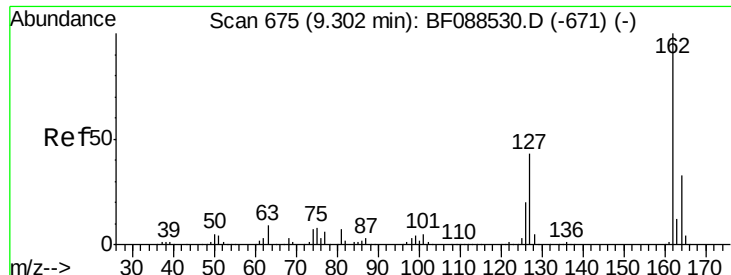
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#45
1,1'-Biphenyl
Concen: 0.76 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.7	20.6	60.6
76	11.2	0.0	35.1





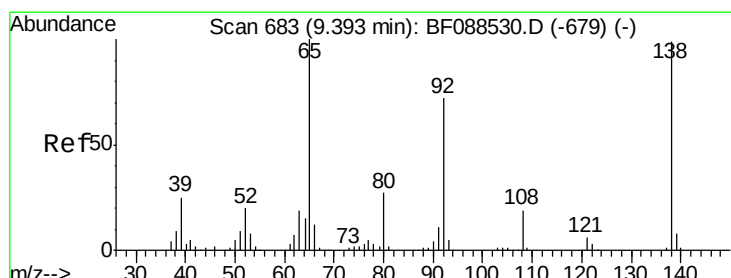
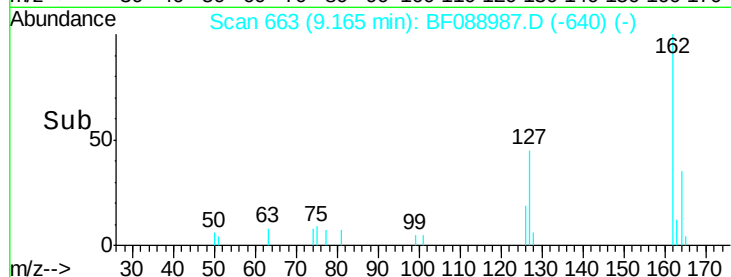
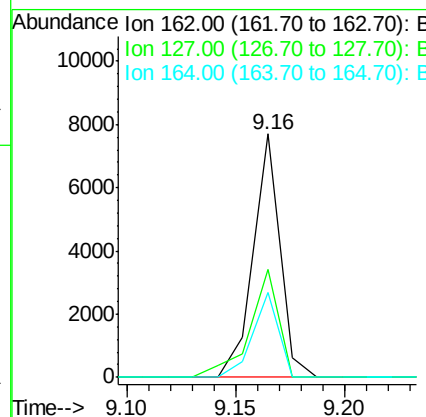
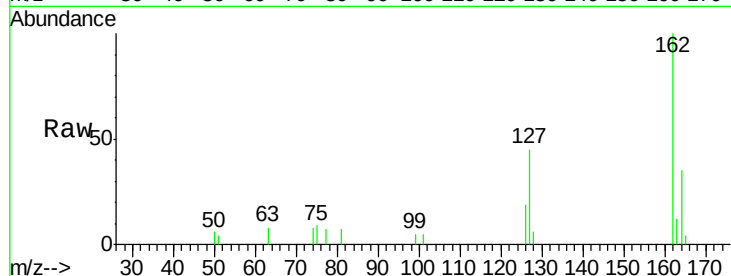
#46
2-Chloronaphthalene
Concen: 0.74 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion: 162 Resp: 6600
Ion Ratio Lower Upper
162 100
127 44.5 35.2 52.8
164 34.8 26.6 39.8

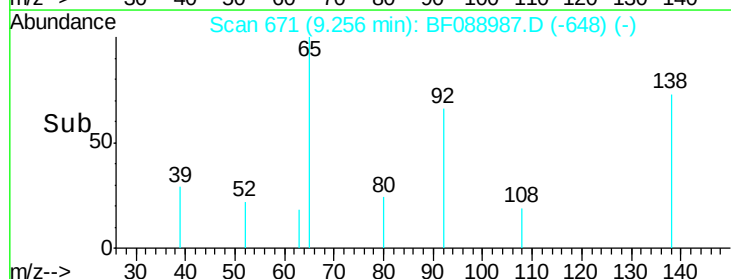
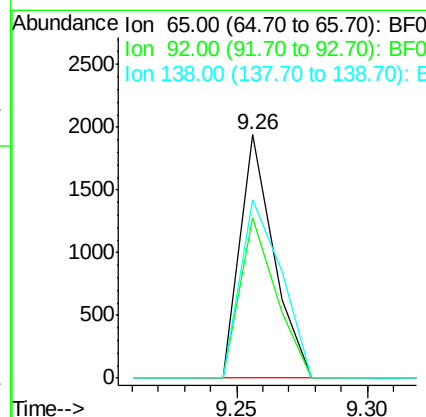
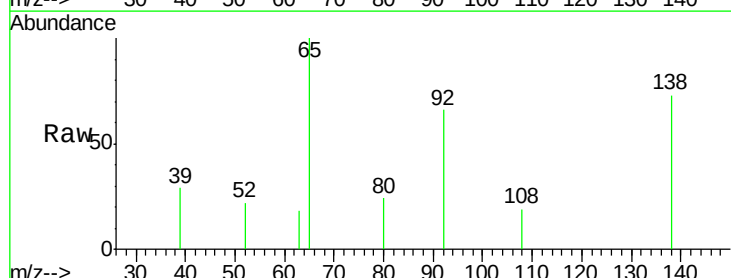
Manual Integrations

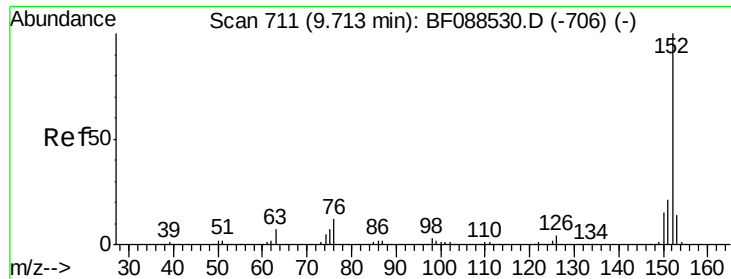
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#47
2-Nitroaniline
Concen: 0.55 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion: 65 Resp: 1760
Ion Ratio Lower Upper
65 100
92 65.7 54.6 82.0
138 73.4 77.0 115.4#





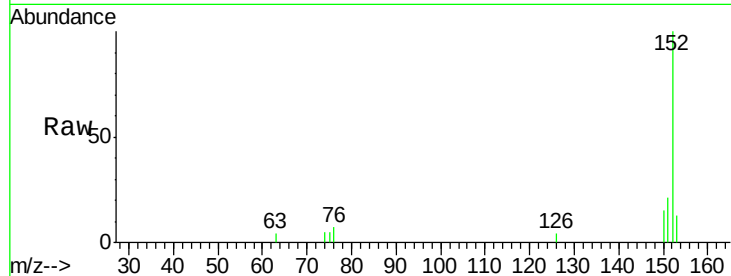
#48
Acenaphthylene
Concen: 0.70 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

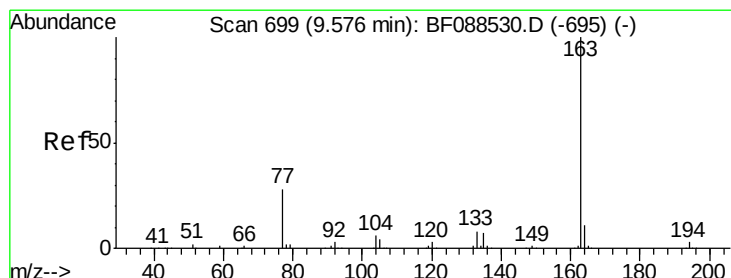
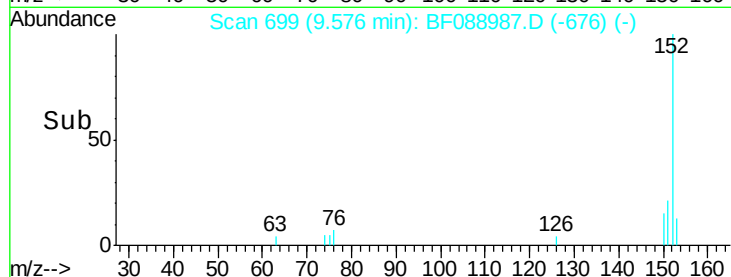
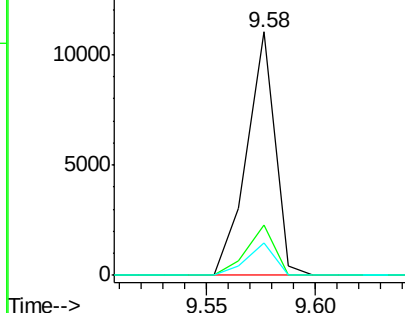
Tot Ion:	152	Resp:	9948
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.2	24.4
153	13.2	11.0	16.6

Manual Integrations

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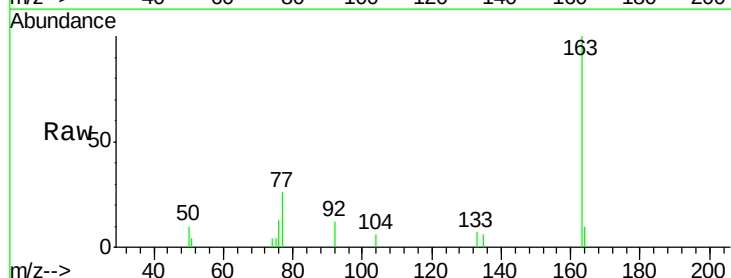


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

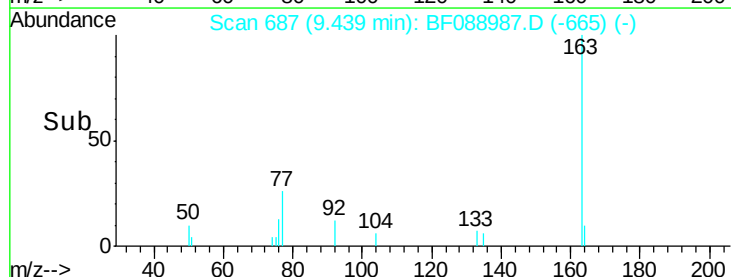
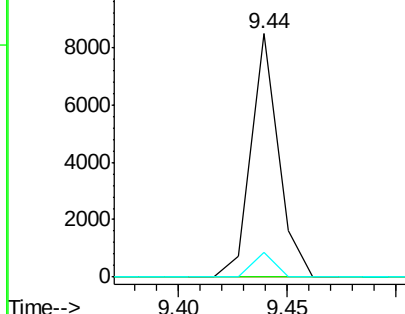


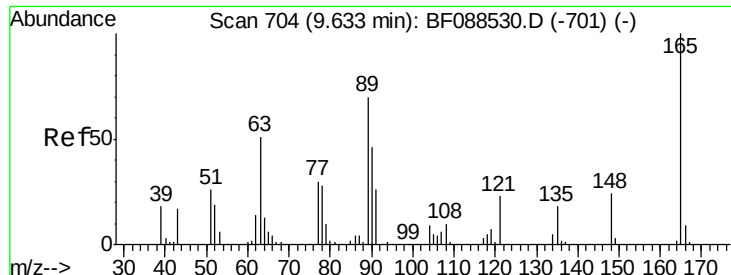
#49
Dimethylphthalate
Concen: 0.76 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion:	163	Resp:	7427
Ion Ratio	Lower	Upper	
163	100		
194	0.0	2.8	4.2#
164	10.3	8.3	12.5



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





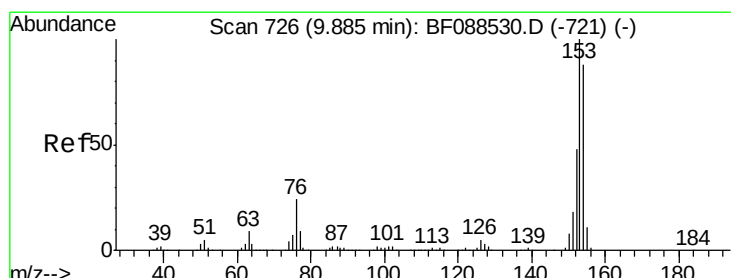
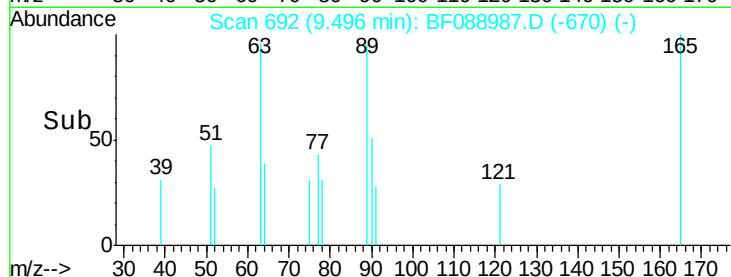
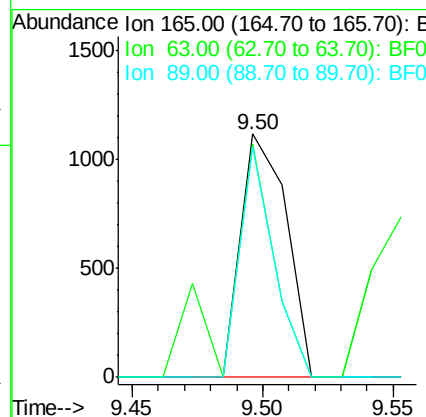
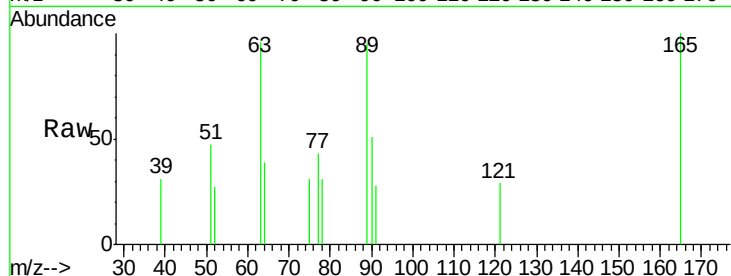
#50
2,6-Dinitrotoluene
Concen: 0.63 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.05 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
165	100		
63	95.9	28.1	42.1#
89	94.7	32.2	48.2#

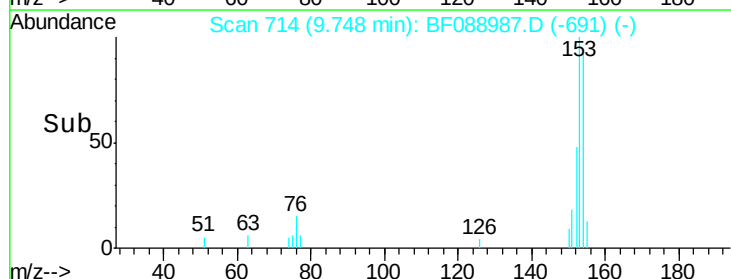
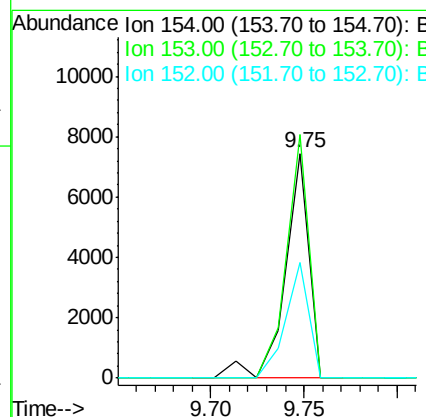
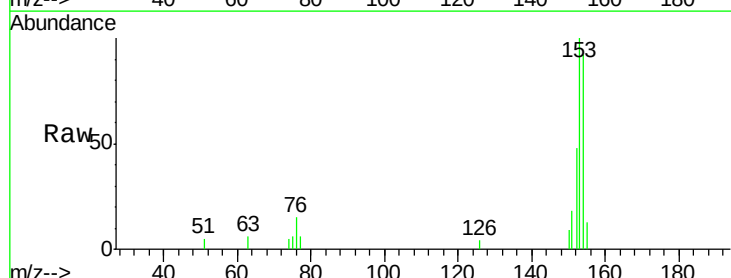
Manual Integrations

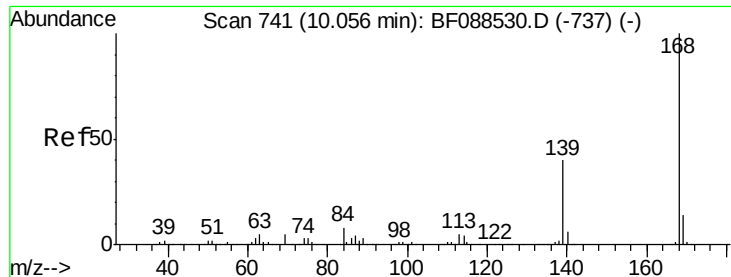
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#51
Acenaphthene
Concen: 0.75 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.3	89.5	134.3
152	51.7	42.7	64.1





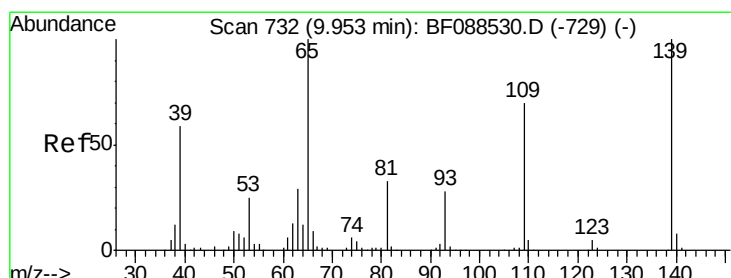
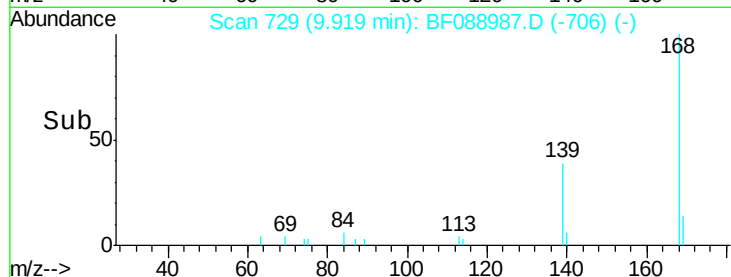
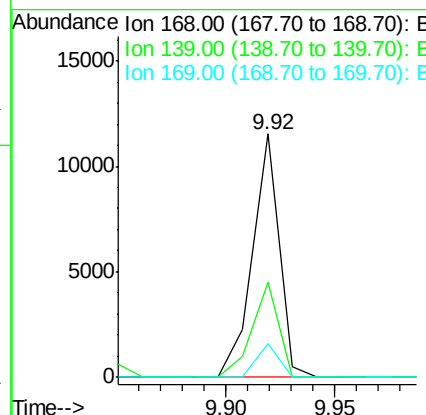
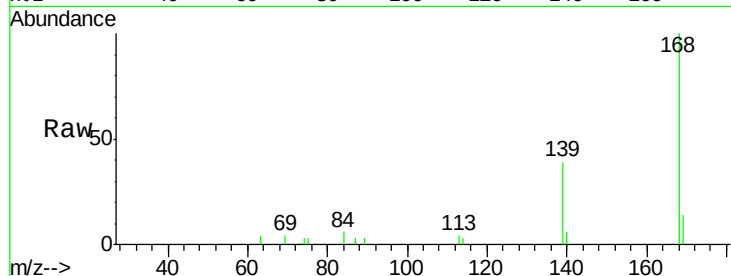
#54
Dibenzenofuran
Concen: 0.86 ng
RT: 9.92 min Scan# 729
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	26.4	39.6
169	13.6	10.4	15.6

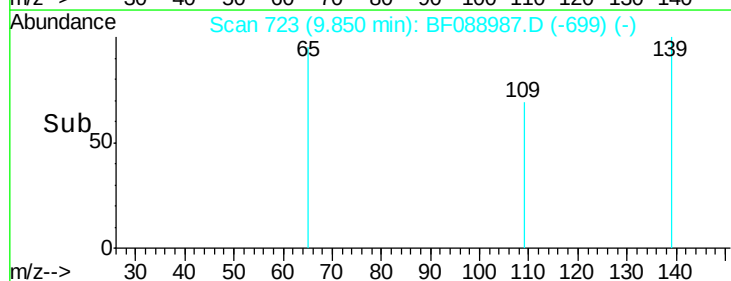
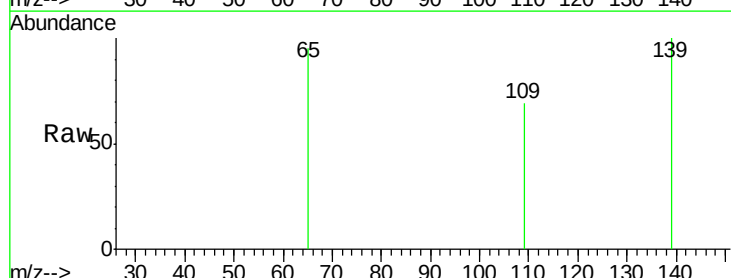
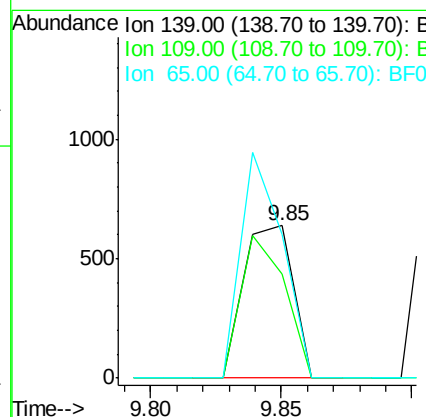
Manual Integrations

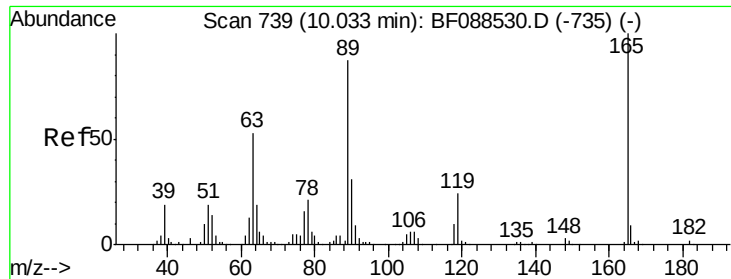
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#55
4-Nitrophenol
Concen: 0.40 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
139	100		
109	68.8	48.9	88.9
65	94.5	84.9	124.9





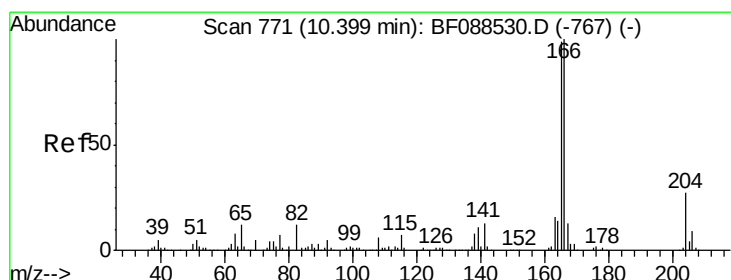
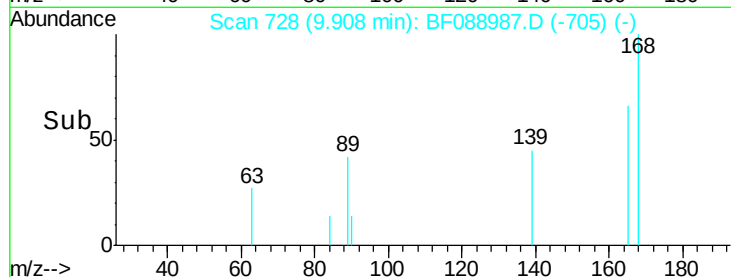
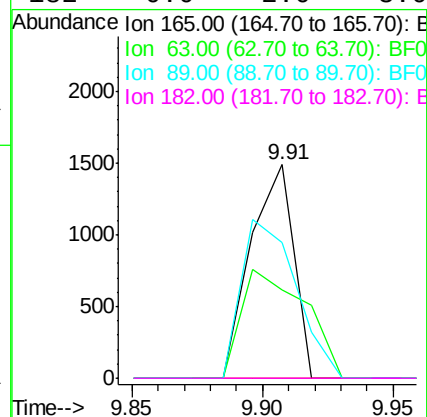
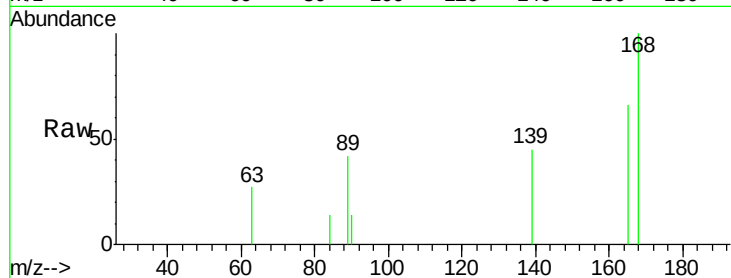
#56
2,4-Dinitrotoluene
Concen: 0.60 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
165	100		
63	41.2	22.0	33.0#
89	63.4	41.1	61.7#
182	0.0	2.0	3.0#

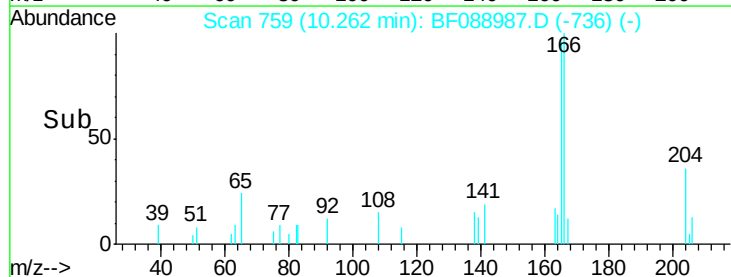
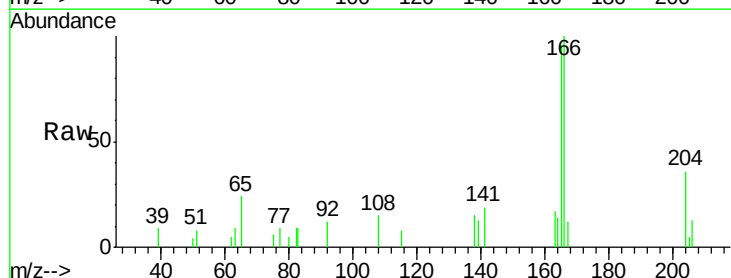
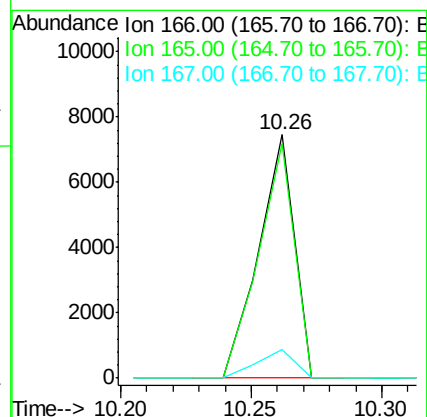
Manual Integrations

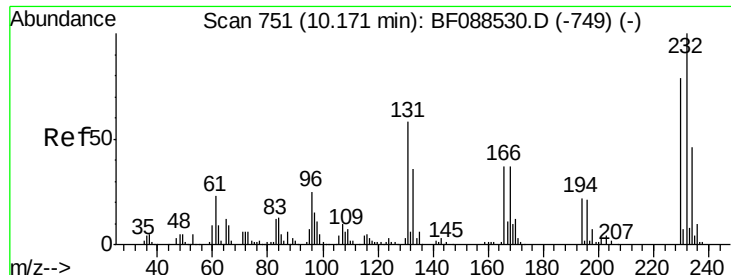
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#57
Fluorene
Concen: 0.81 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.1	77.8	116.8
167	11.6	11.2	16.8





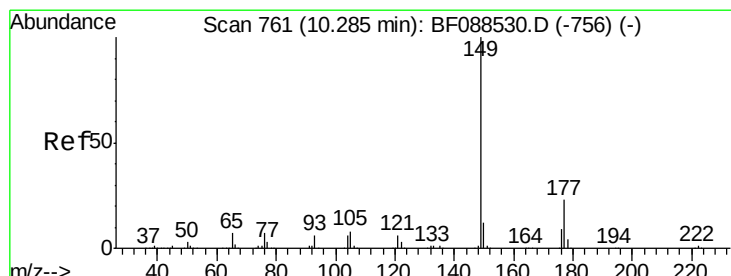
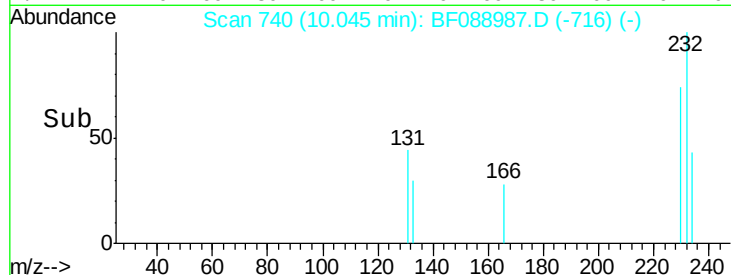
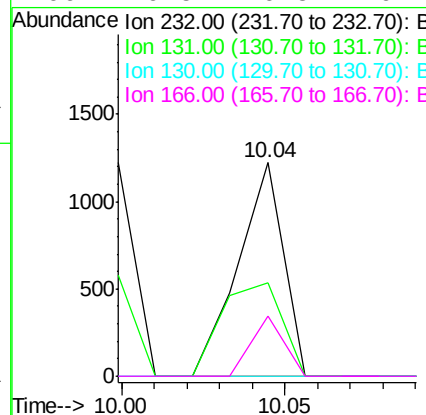
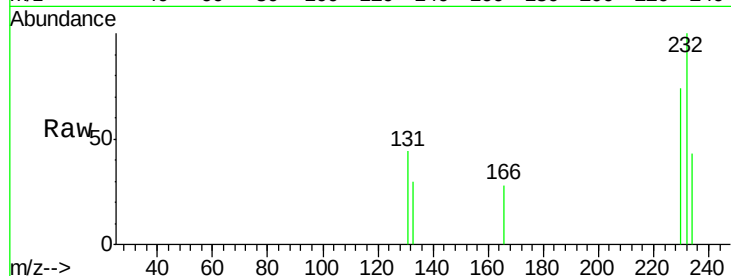
#58
2,3,4,6-Tetrachlorophenol
Concen: 0.58 ng
RT: 10.04 min Scan# 740
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:	232	Resp:	1168
Ion Ratio	Lower	Upper	
232	100		
131	58.6	0.9	1.3#
130	0.0	1.5	2.3#
166	20.5	0.5	0.7#

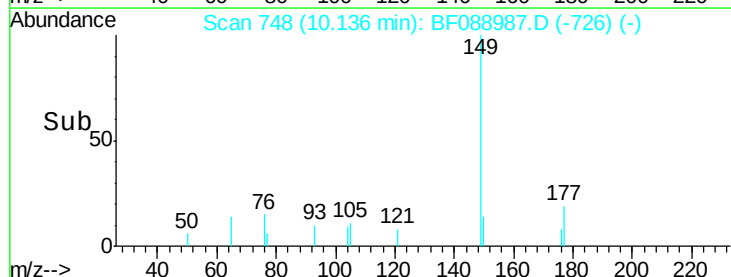
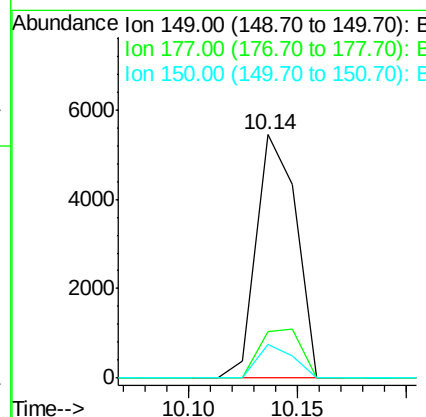
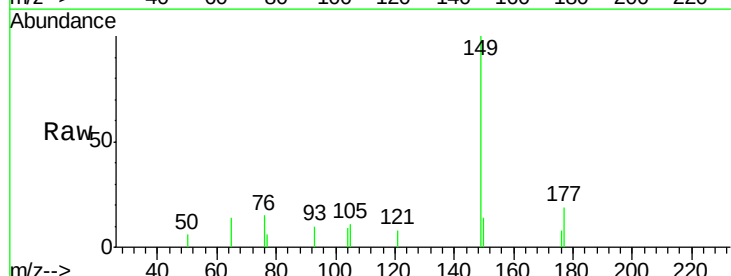
Manual Integrations

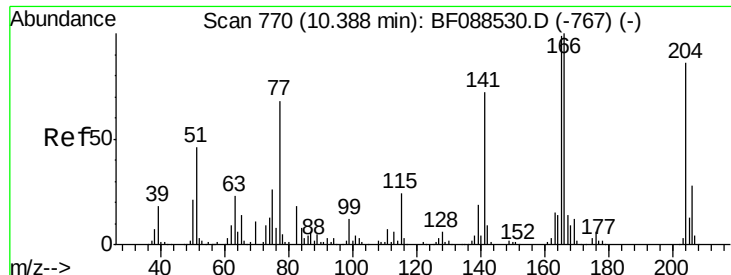
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#59
Diethylphthalate
Concen: 0.70 ng
RT: 10.14 min Scan# 748
Delta R.T. -0.05 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion:	149	Resp:	6949
Ion Ratio	Lower	Upper	
149	100		
177	19.0	16.9	25.3
150	13.8	10.1	15.1





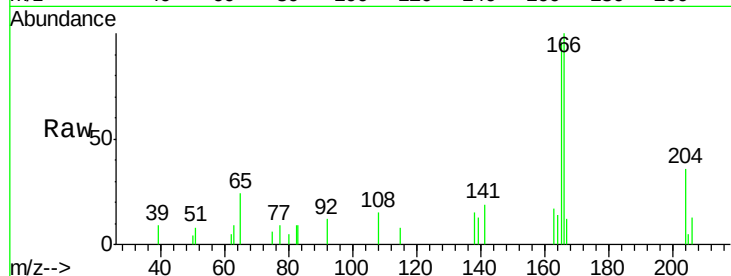
#60
4-Chlorophenyl-phenylether
Concen: 0.75 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

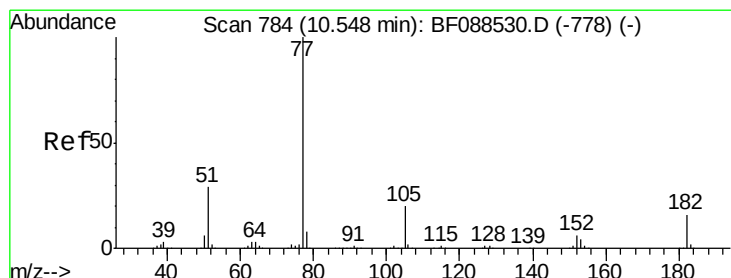
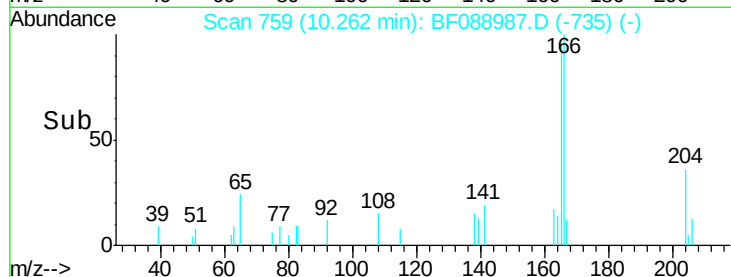
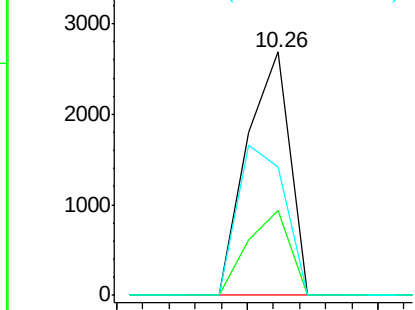
Tot Ion: 204 Resp: 3076
Ion Ratio Lower Upper
204 100
206 35.1 26.3 39.5
141 52.5 55.0 82.6#

Manual Integrations

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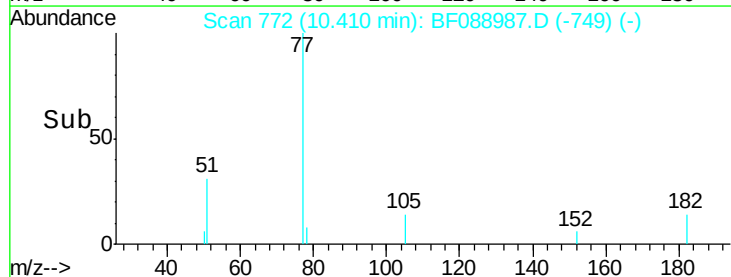
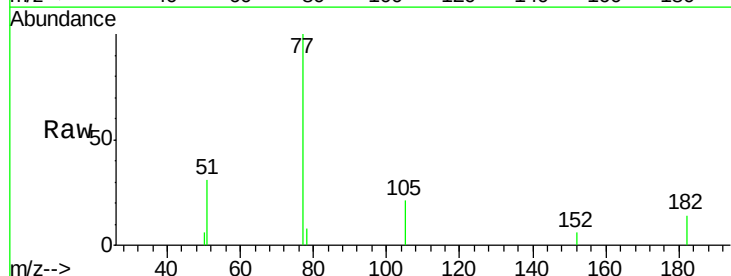
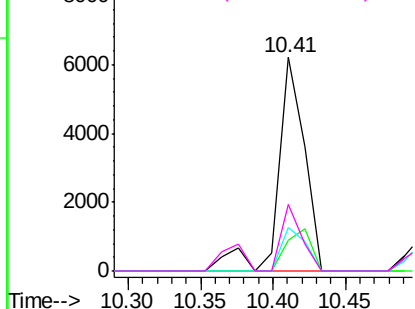
Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

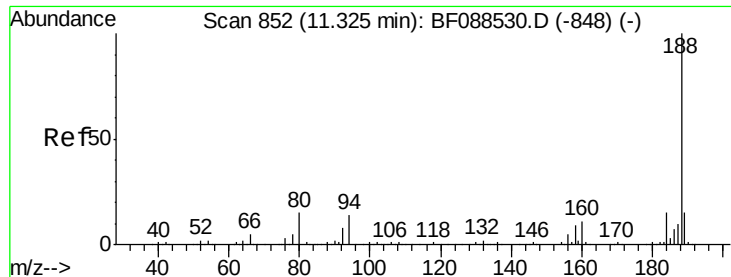


#62
Azobenzene
Concen: 0.70 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion: 77 Resp: 7838
Ion Ratio Lower Upper
77 100
182 14.4 4.4 44.4
105 20.5 3.8 43.8
51 31.2 9.3 49.3

Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





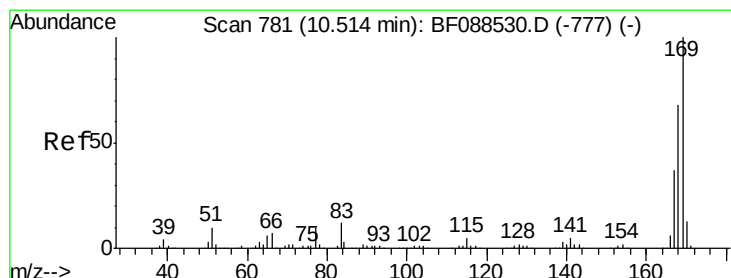
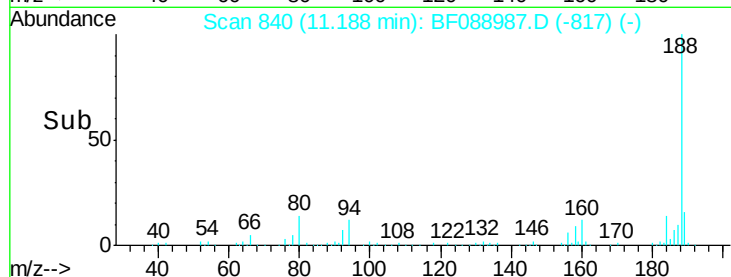
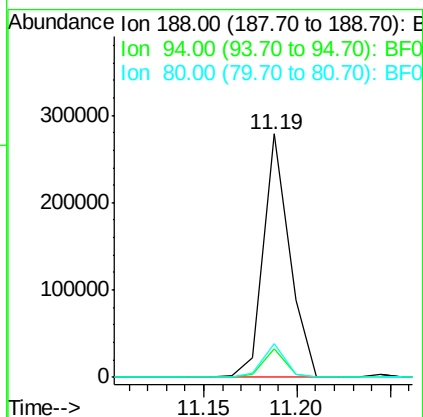
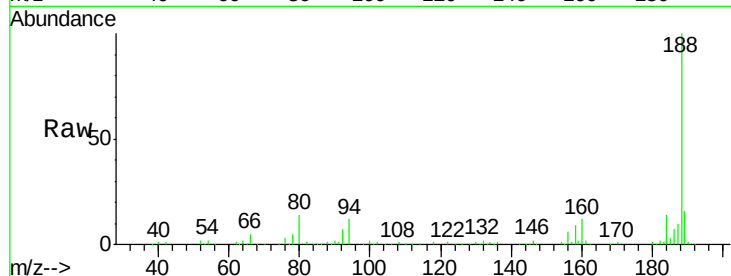
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

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

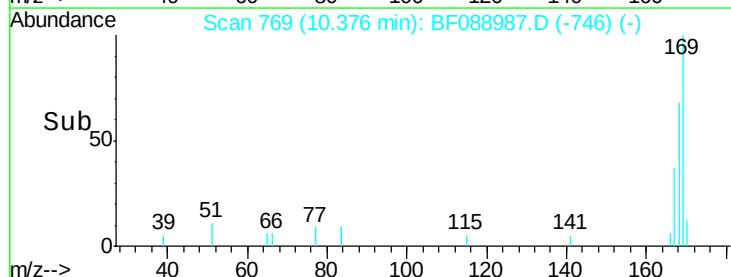
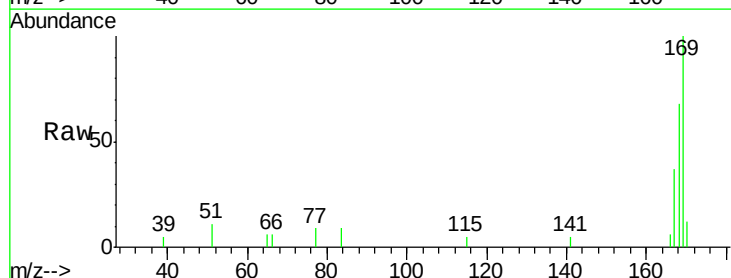
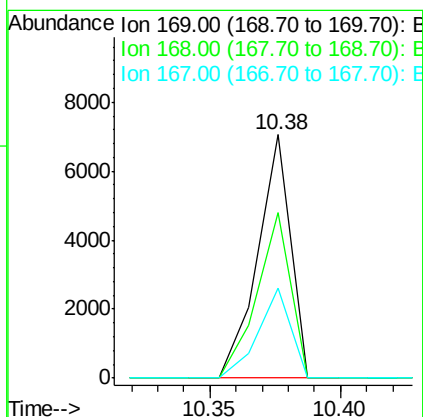
Manual Integrations

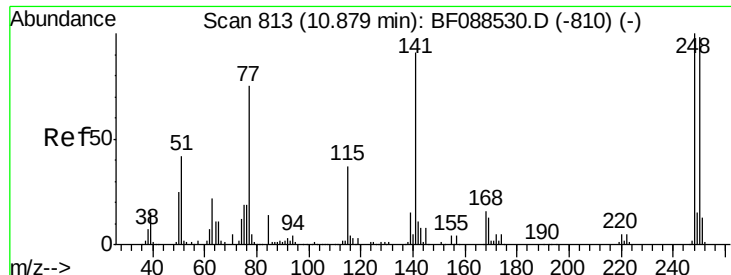
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#65
n-Nitrosodiphenylamine
Concen: 0.69 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.2	53.4	80.0
167	36.9	29.4	44.0





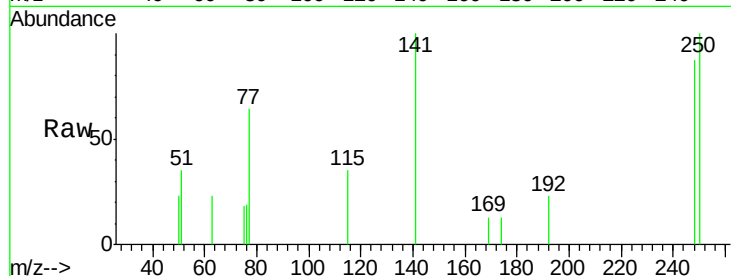
#66
4-Bromophenyl-phenylether
Concen: 0.60 ng
RT: 10.74 min Scan# 801
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

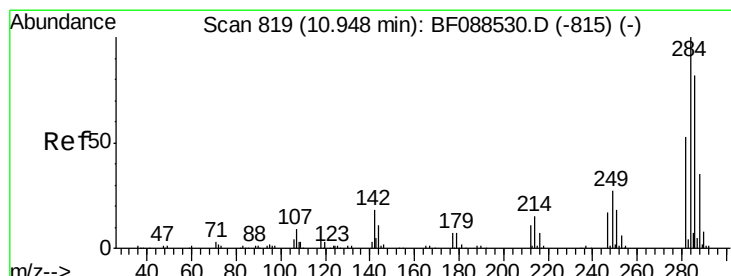
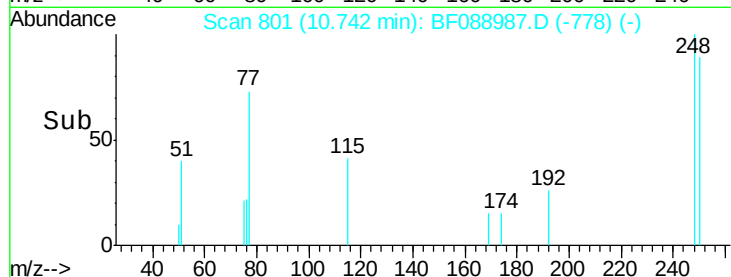
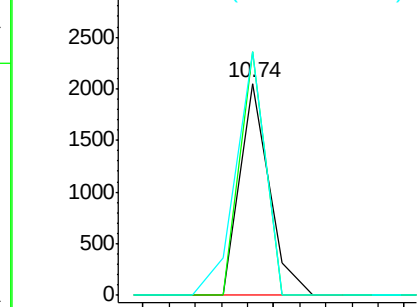
Tot Ion:248 Resp: 1623
Ion Ratio Lower Upper
248 100
250 114.9 77.1 115.7
141 114.9 50.6 76.0#

Manual Integrations

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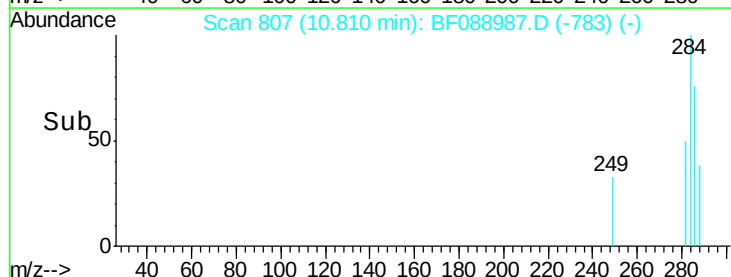
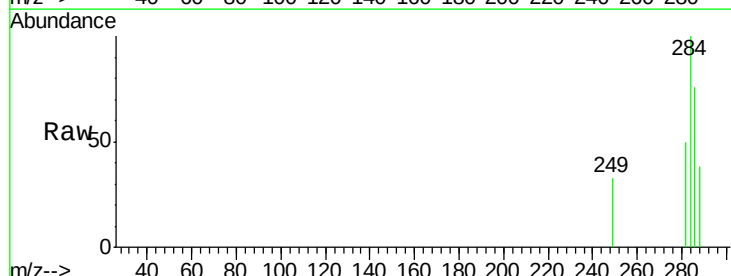
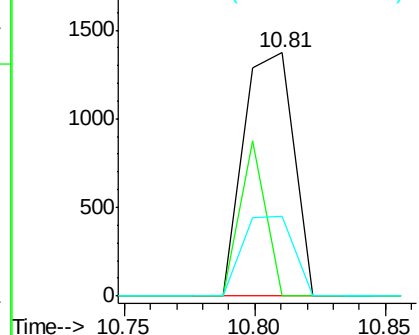
Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

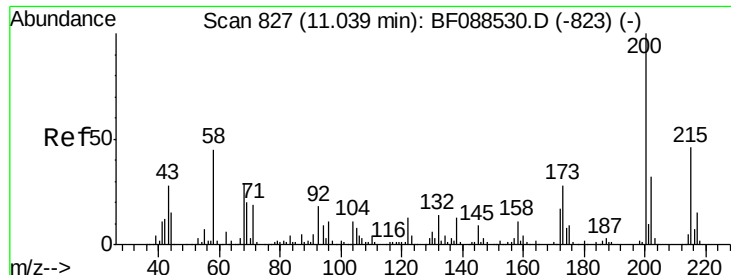


#67
Hexachlorobenzene
Concen: 0.61 ng
RT: 10.81 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion:284 Resp: 1823
Ion Ratio Lower Upper
284 100
142 0.0 35.8 53.8#
249 32.6 25.8 38.6

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





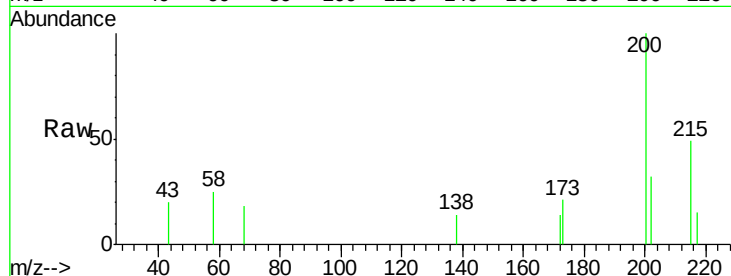
#68
Atrazine
Concen: 0.65 ng
RT: 10.90 min Scan# 815
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

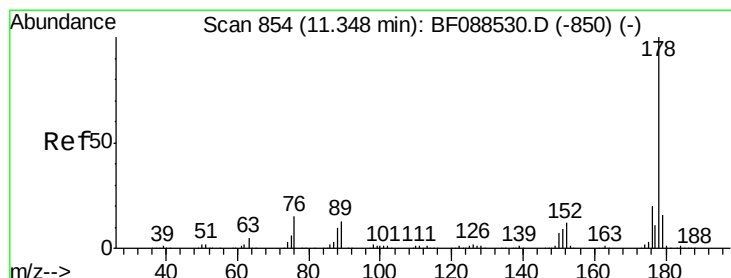
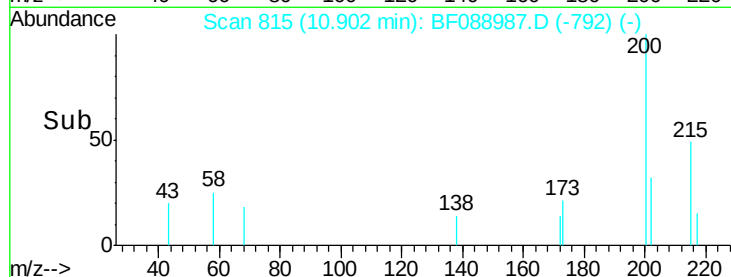
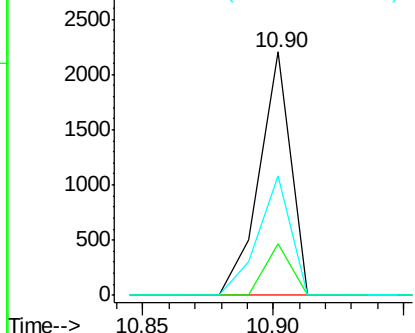
Tot Ion	Ratio	Lower	Upper
200	100		
173	21.2	4.0	44.0
215	49.2	29.3	69.3

Manual Integrations

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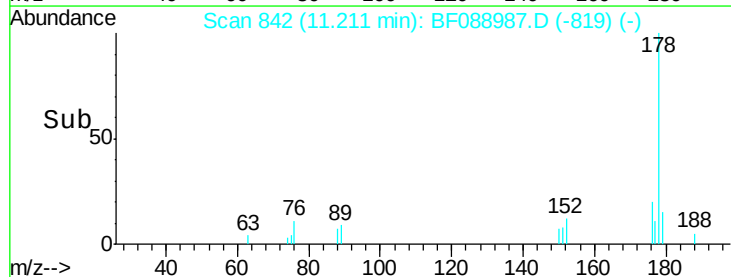
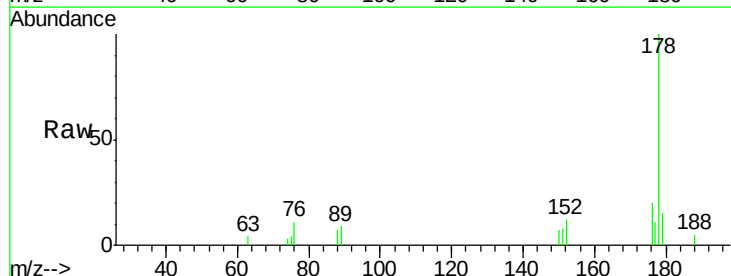
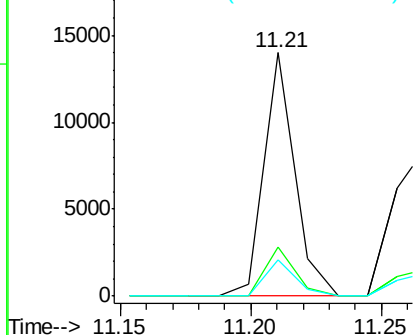
Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

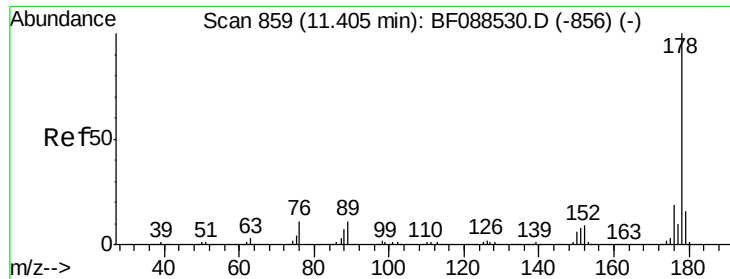


#70
Phenanthrene
Concen: 0.78 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.6
179	14.8	13.0	19.4

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





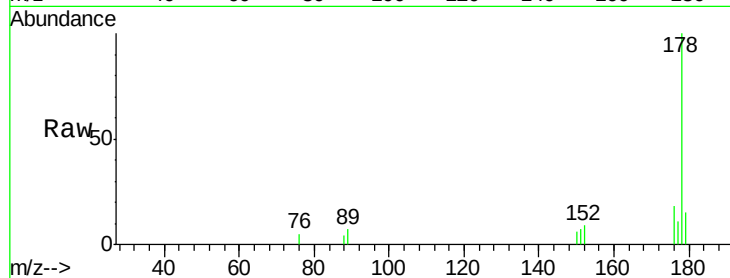
#71
 Anthracene
 Concen: 0.70 ng
 RT: 11.27 min Scan# 847
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	14.8	12.8	19.2

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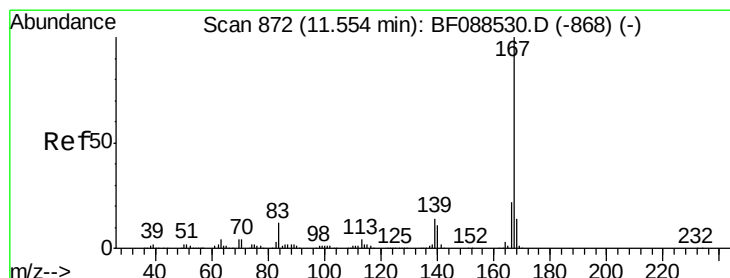
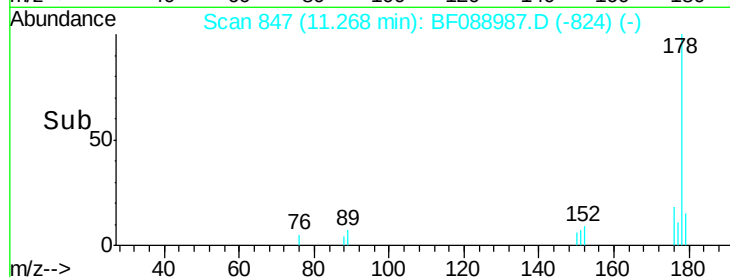
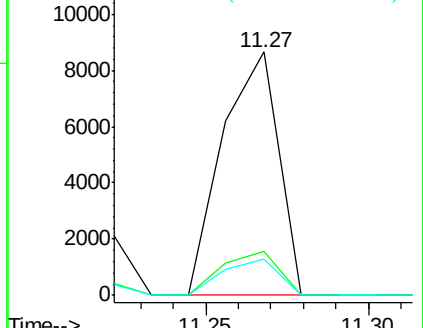


Abundance

Ion 178.00 (177.70 to 178.70): E

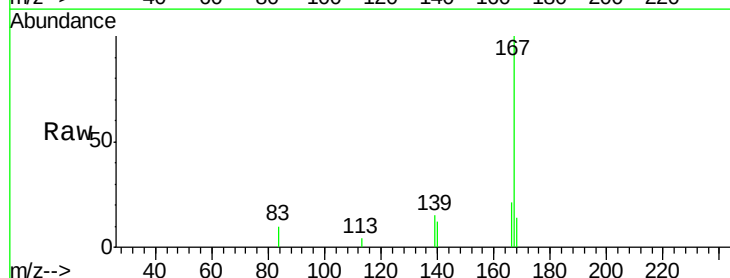
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 0.71 ng
 RT: 11.42 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.8	26.6
139	15.4	11.2	16.8

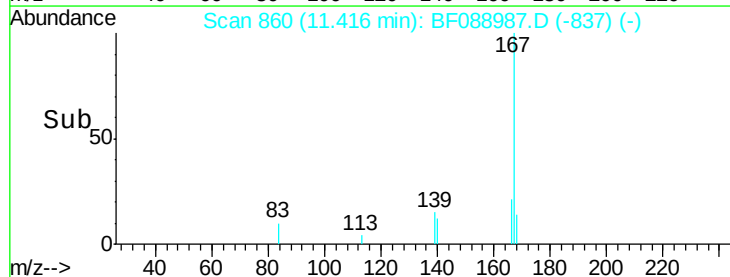
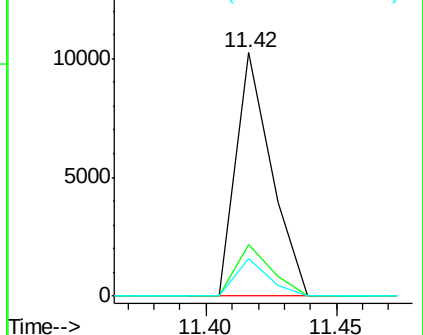


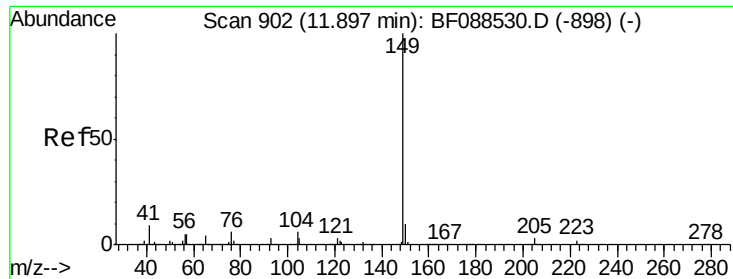
Abundance

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: 0.65 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

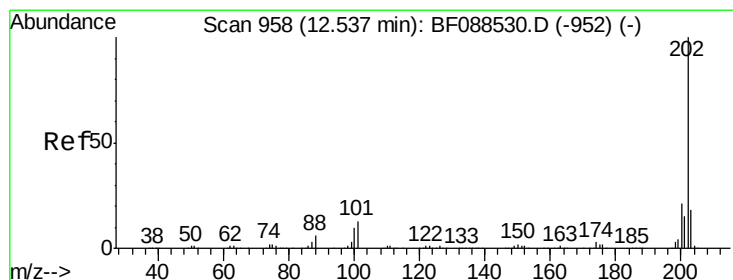
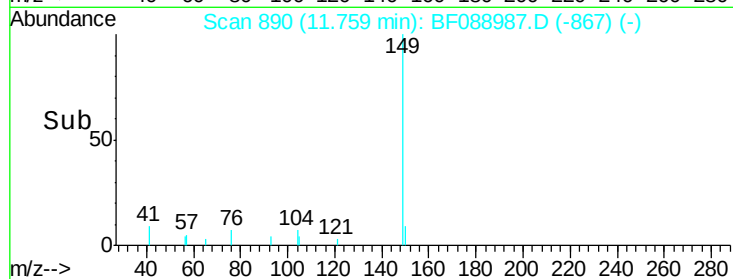
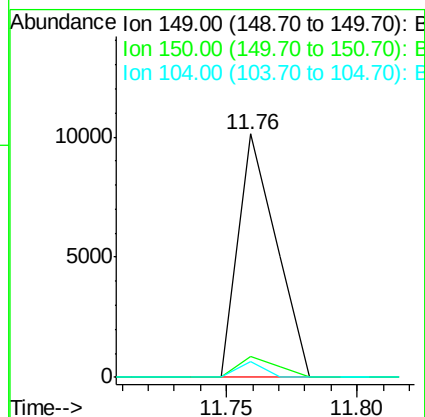
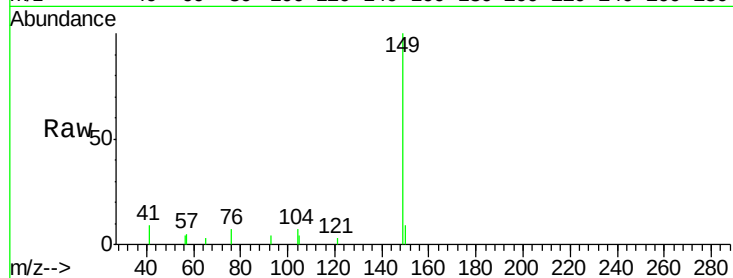
LOD-SOIL2016-01

Tot Ion:	149	Resp:	10401
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.8	11.6
104	6.6	4.0	6.0

Manual Integrations

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#74

Fluoranthene

Concen: 0.66 ng

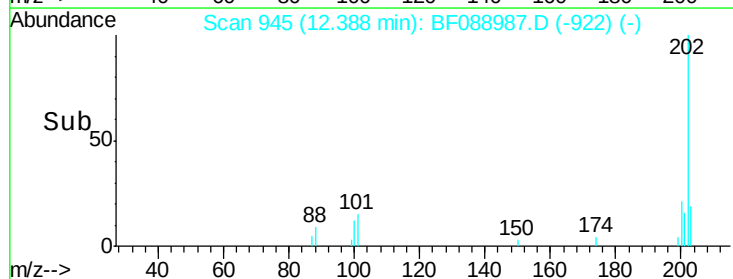
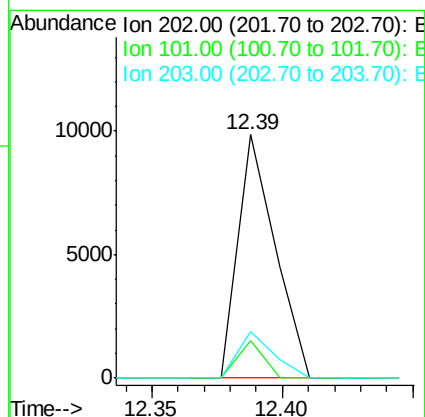
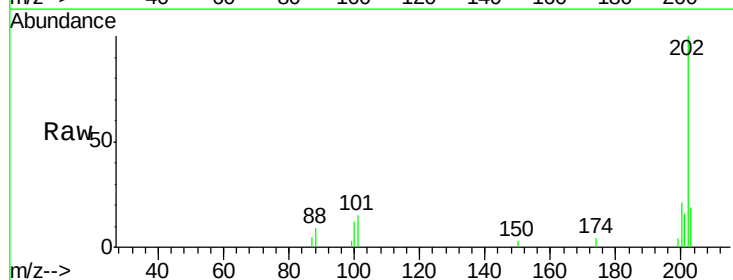
RT: 12.39 min Scan# 945

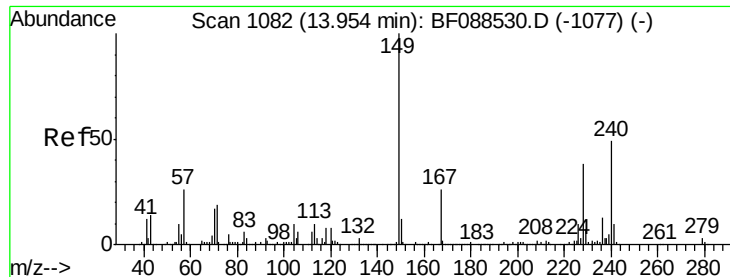
Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Tgt Ion:	202	Resp:	9844
Ion Ratio	Lower	Upper	
202	100		
101	15.3	0.0	33.1
203	18.9	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: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

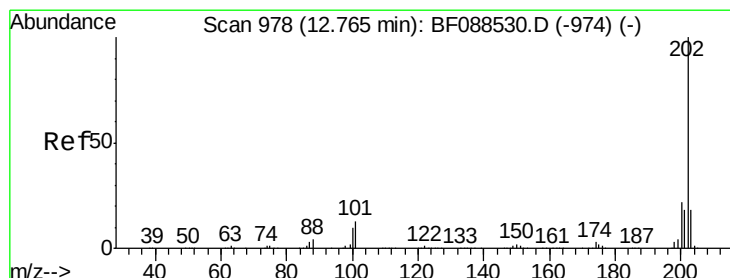
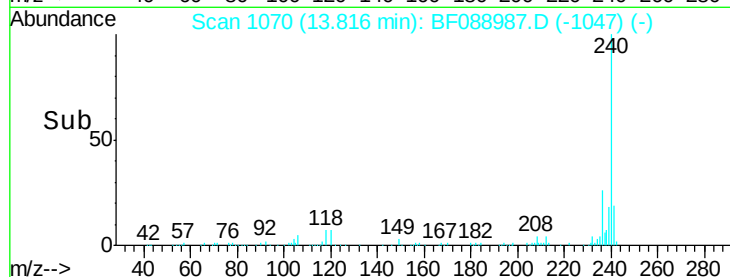
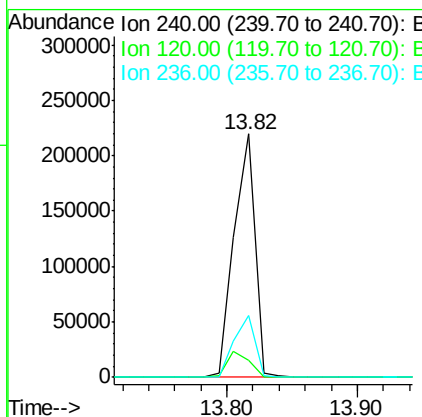
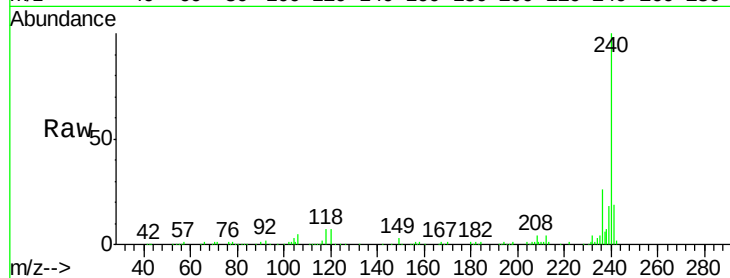
LOD-SOIL2016-01

Tot Ion:	240	Resp:	244501
Ion Ratio	Lower	Upper	
240	100		
120	6.8	6.8	10.2#
236	25.5	20.2	30.2

Manual Integrations

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#77

Pyrene

Concen: 0.54 ng

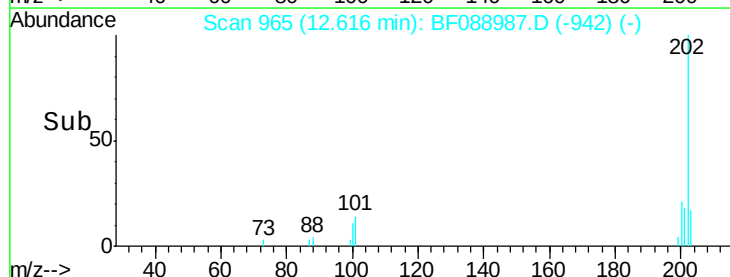
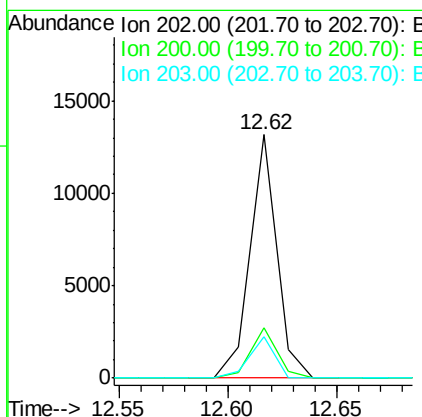
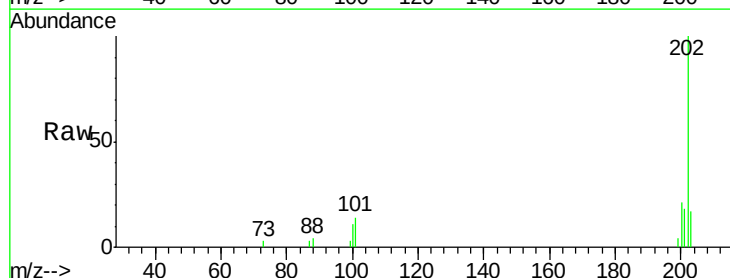
RT: 12.62 min Scan# 965

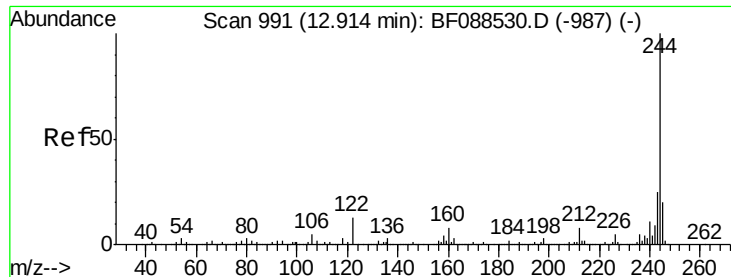
Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Tgt Ion:	202	Resp:	11248
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.2	14.5	21.7





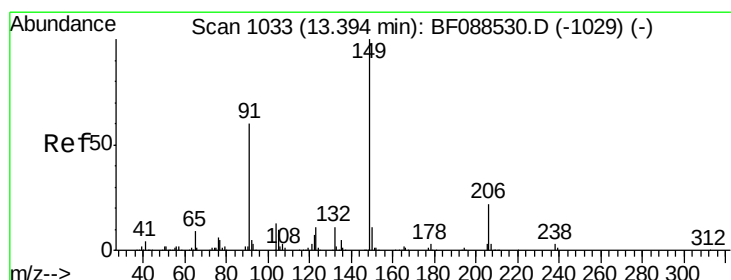
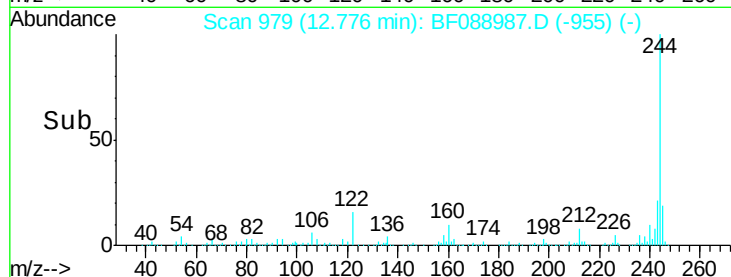
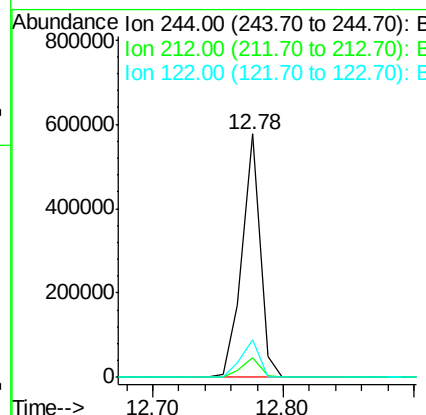
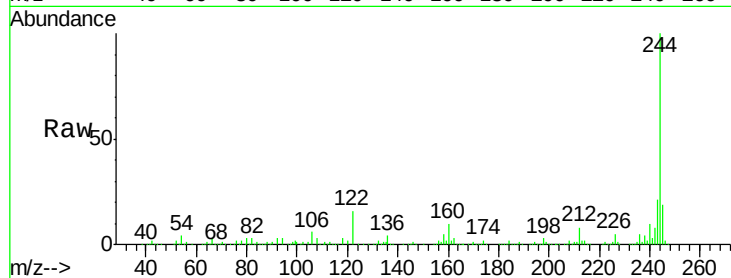
#78
 Terphenyl-d14
 Concen: 50.47 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.0	9.0
122	15.5	11.2	16.8

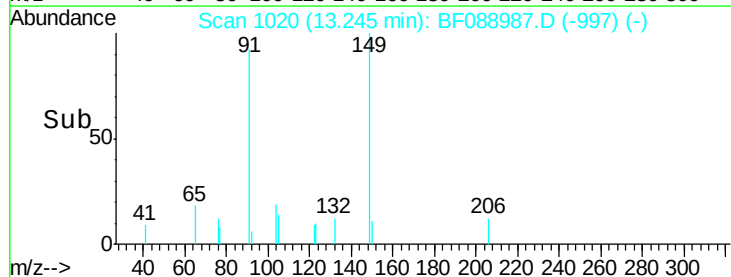
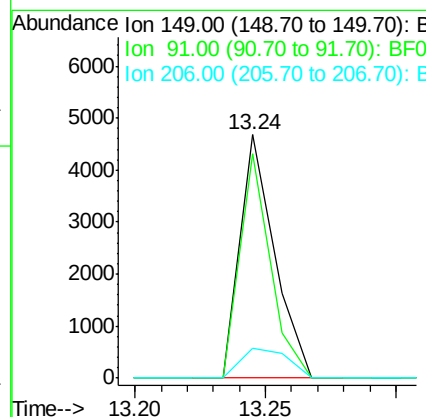
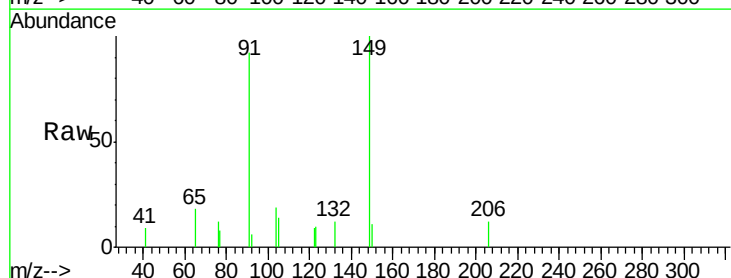
Manual Integrations

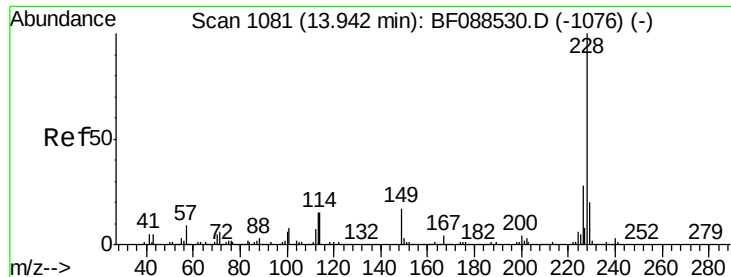
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#79
 Butylbenzylphthalate
 Concen: 0.47 ng
 RT: 13.24 min Scan# 1020
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
149	100		
91	92.1	48.0	72.0#
206	12.5	16.0	24.0#





#80

Benzo(a)anthracene

Concen: 0.63 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

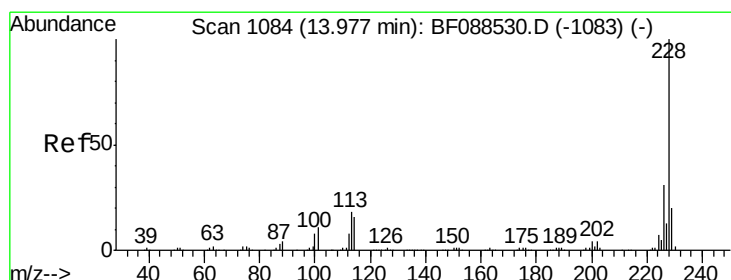
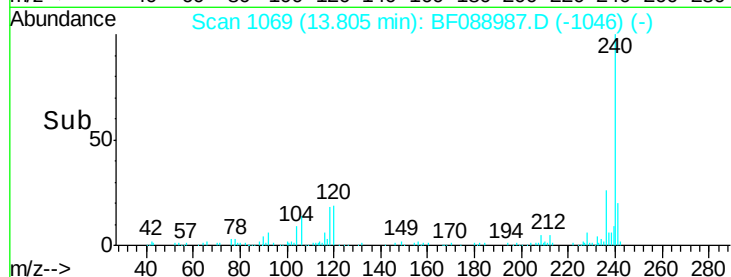
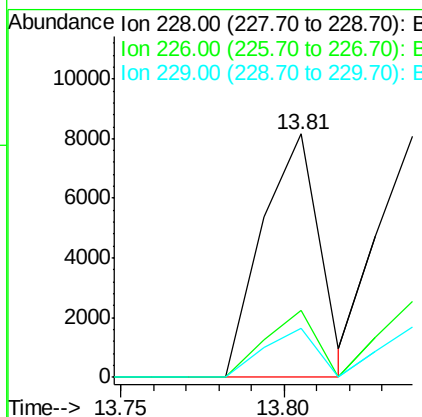
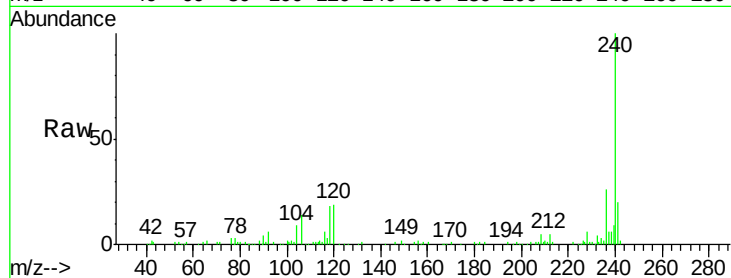
LOD-SOIL2016-01

Tot Ion:	228	Resp:	9950
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.3	33.5
229	19.9	16.0	24.0

Manual Integrations

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#82

Chrysene

Concen: 0.58 ng

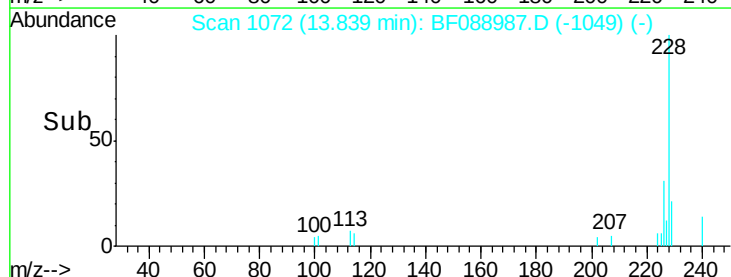
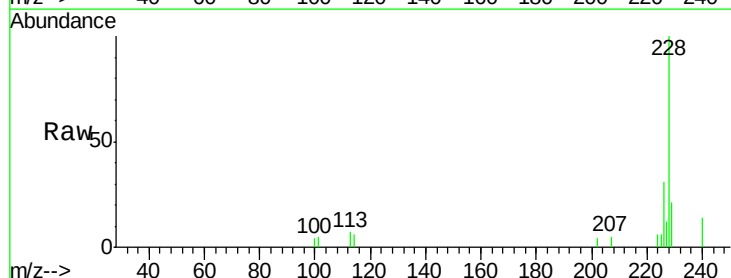
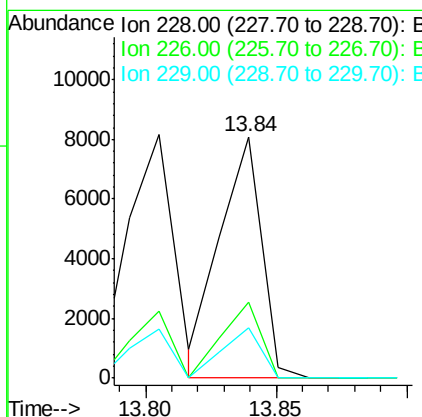
RT: 13.84 min Scan# 1072

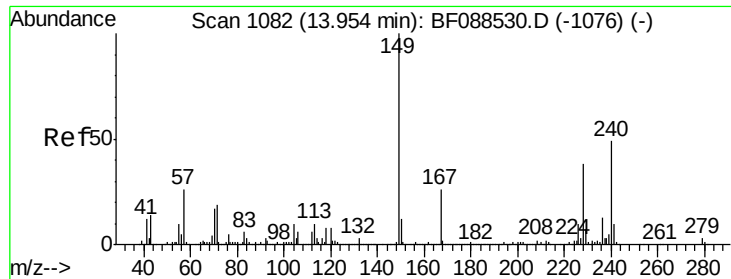
Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Tgt Ion:	228	Resp:	9034
Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.2
229	21.1	16.3	24.5





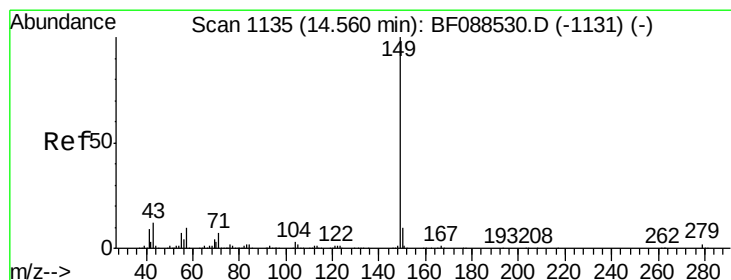
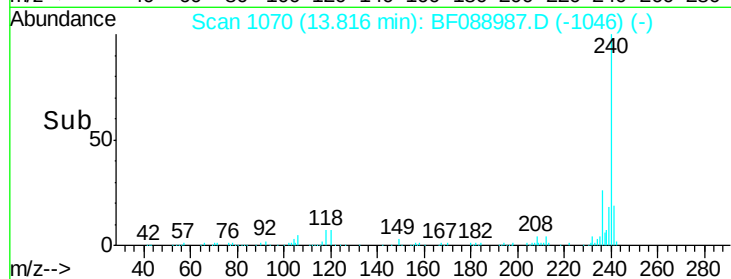
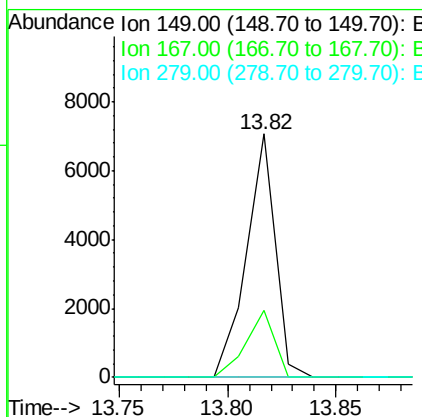
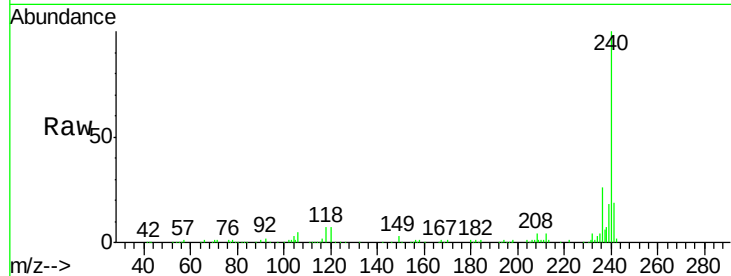
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.61 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.4	20.5	30.7
279	0.0	2.0	3.0#

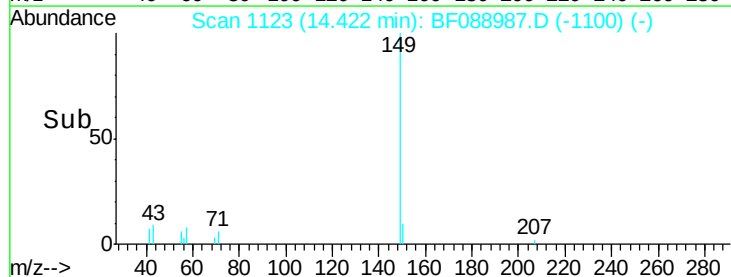
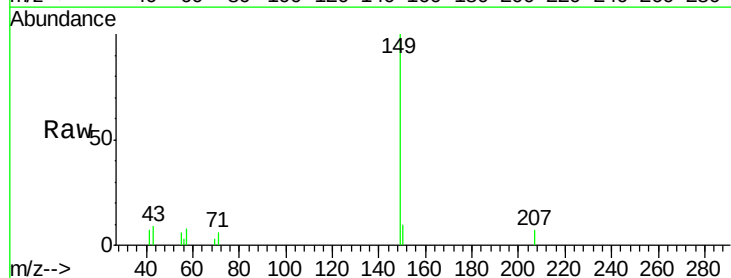
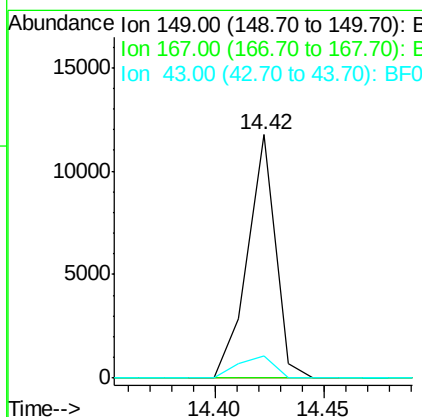
Manual Integrations

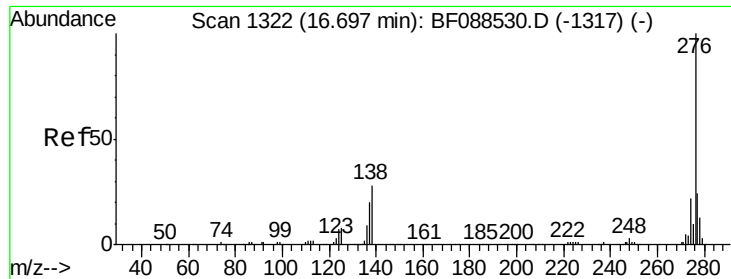
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#84
 Di-n-octyl phthalate
 Concen: 0.59 ng
 RT: 14.42 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	0.0
43	11.4	0.0	0.0#





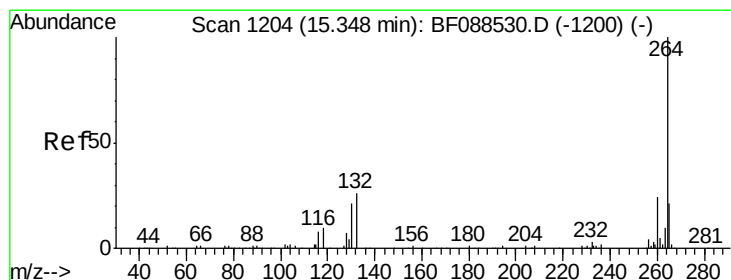
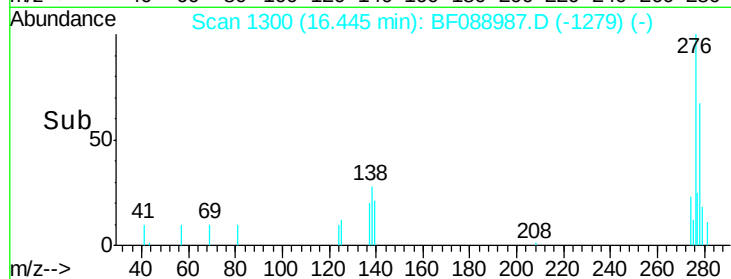
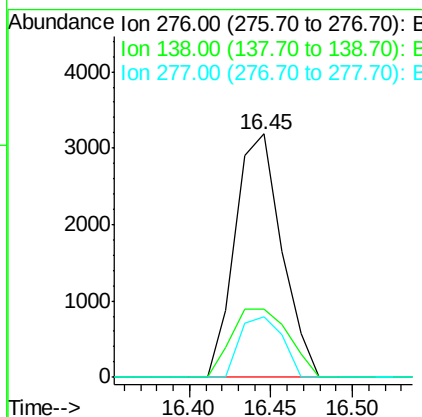
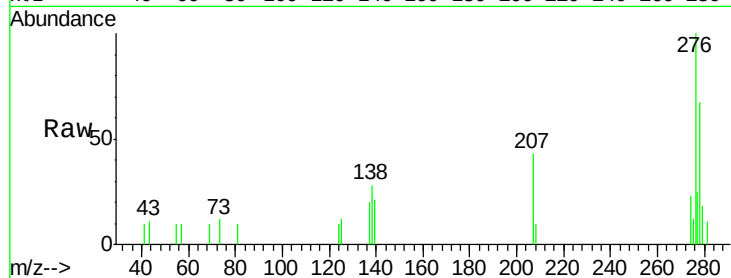
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.53 ng
 RT: 16.45 min Scan# 1300
 Delta R.T. -0.06 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.5	0.0	0.0#
277	22.4	0.0	0.0#

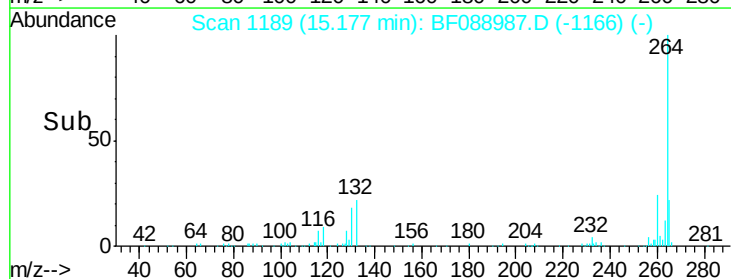
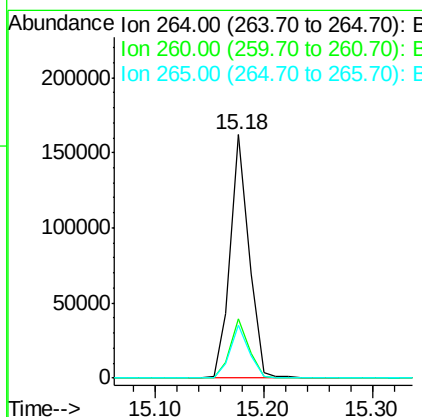
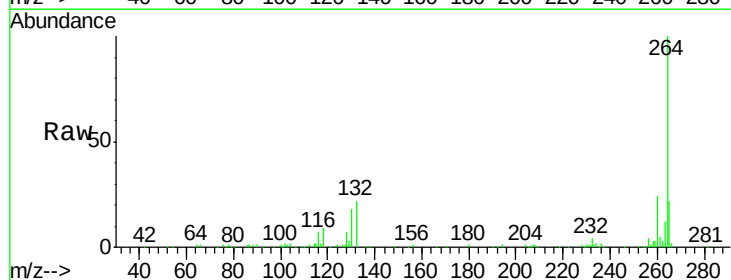
Manual Integrations

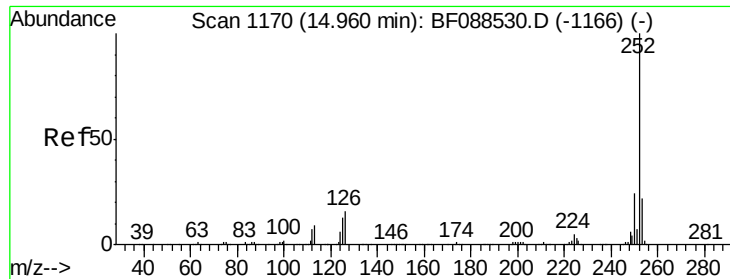
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 0.68 ng m

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

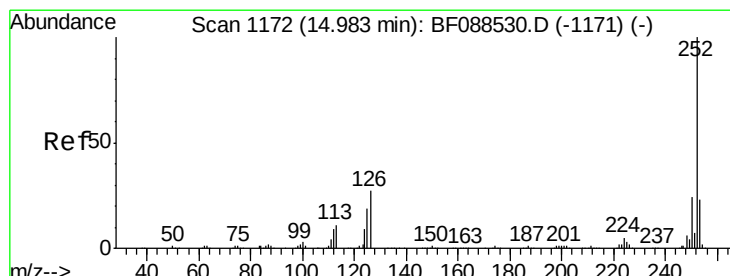
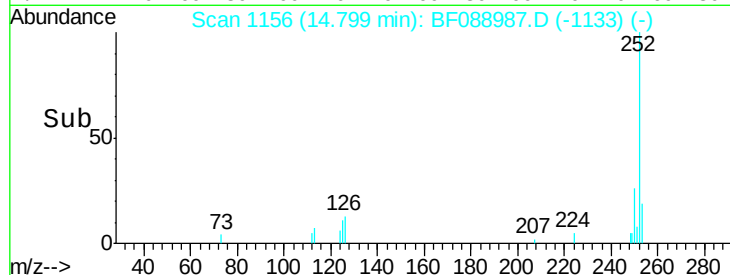
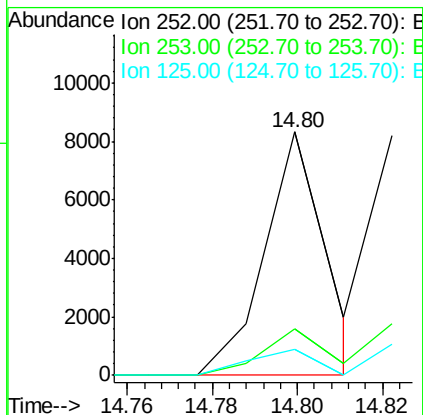
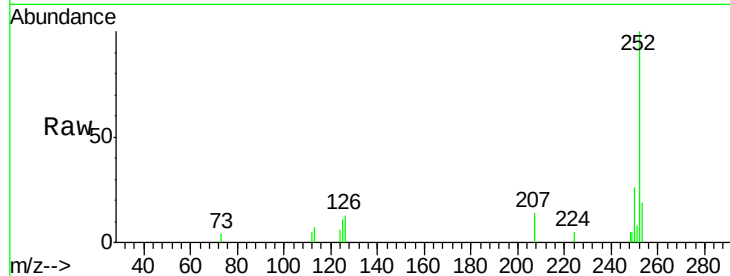
LOD-SOIL2016-01

Tot Ion:	252	Resp:	8286
Ion Ratio	Lower	Upper	
252	100		
253	19.3	17.4	26.2
125	10.5	7.1	10.7

Manual Integrations

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#88

Benzo(k)fluoranthene

Concen: 0.68 ng m

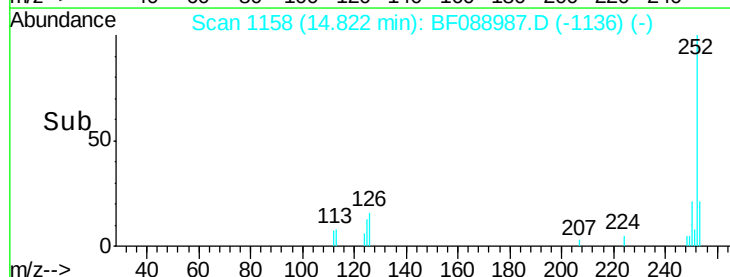
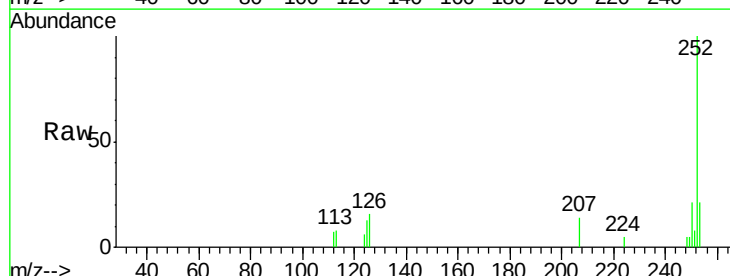
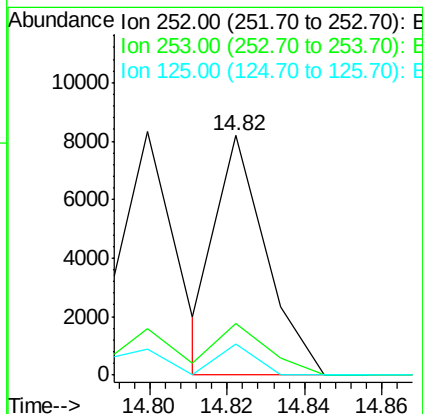
RT: 14.82 min Scan# 1158

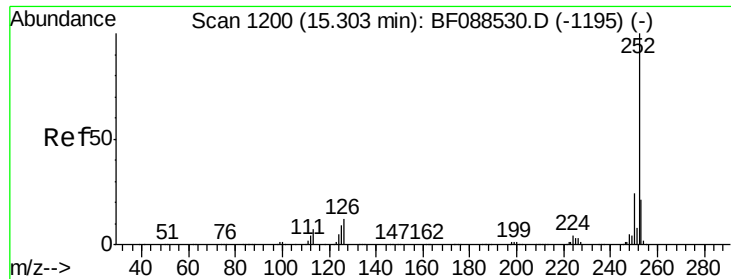
Delta R.T. -0.05 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Tgt Ion:	252	Resp:	7214
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.0	27.0
125	13.2	11.2	16.8





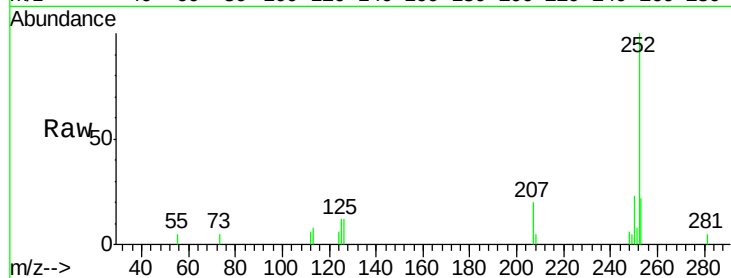
#89
Benzo(a)pyrene
Concen: 0.69 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.05 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

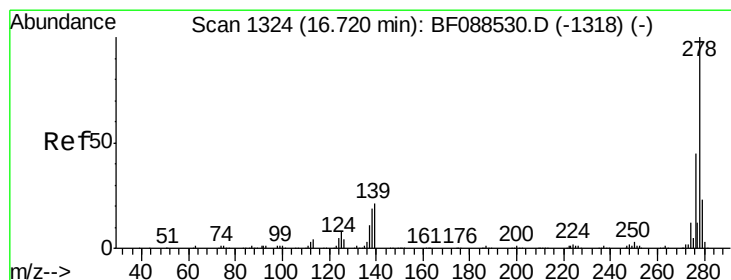
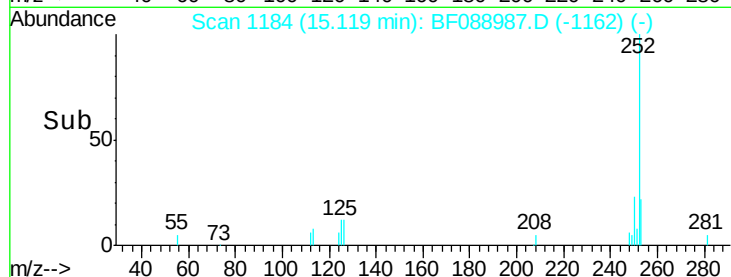
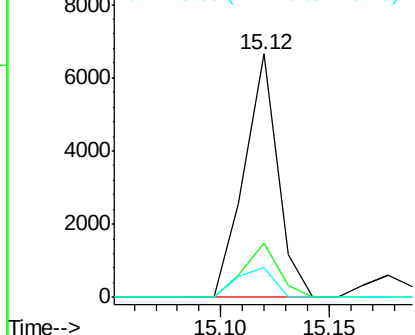
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	12.2	12.5	18.7#

Manual Integrations

APPROVED
Sohil
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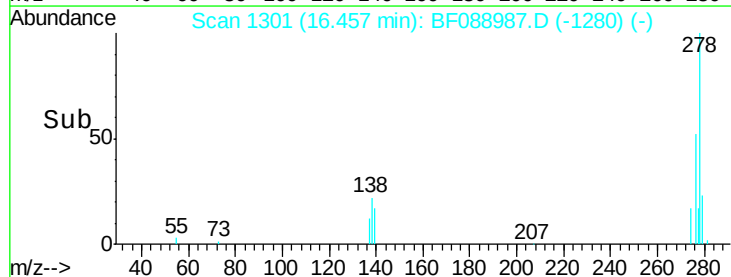
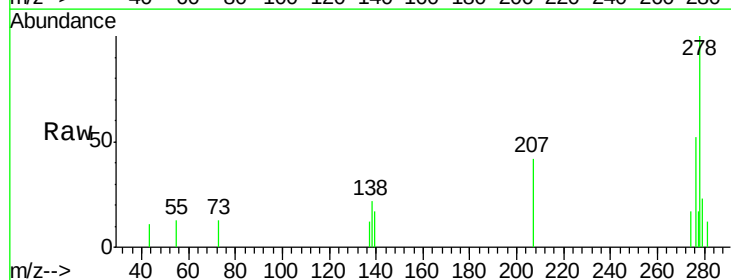
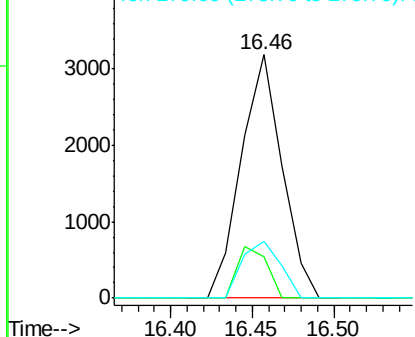
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

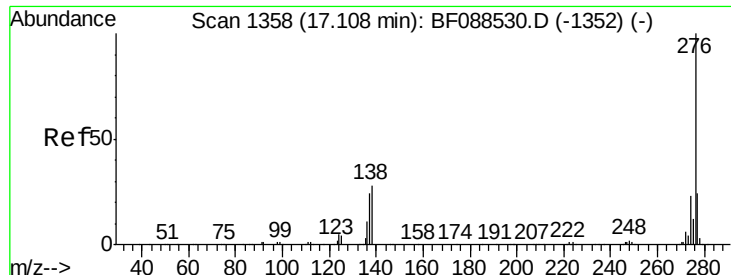


#90
Dibenzo(a,h)anthracene
Concen: 0.65 ng
RT: 16.46 min Scan# 1301
Delta R.T. -0.06 min
Lab File: BF088987.D
Acq: 14 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	15.7	23.5
279	23.5	19.4	29.2

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 0.59 ng
 RT: 16.82 min Scan# 1333
 Delta R.T. -0.07 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:	276	Resp:	5285
Ion Ratio	Lower	Upper	
276	100		
277	26.8	18.9	28.3
138	22.2	21.4	32.2

Manual Integrations

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 Sohil
 7/15/2016 9:16:22 AM

