

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF085983.D
 Acq On : 2 Apr 2016 1:37
 Operator : UM/SJ
 Sample : H1824-04
 Misc : L00 20PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Apr 02 02:11:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	104345	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	398201	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	194662	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	373170	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	345301	20.00	ng	0.00
86) Perylene-d12	15.33	264	293591	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	770998	126.30	ng	0.01
7) Phenol-d6	6.42	99	1004542	129.55	ng	0.00
23) Nitrobenzene-d5	7.34	82	636746	94.30	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	270146	147.86	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1110426	94.85	ng	0.00
78) Terphenyl-d14	12.88	244	1083488	73.76	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.37	88	40741	14.08	ng	100
3) Pyridine	3.14	79	77018	11.89	ng	97
4) n-Nitrosodimethylamine	3.04	42	40768	14.31	ng	97
6) Aniline	6.44	93	97617	9.60	ng	98
8) 2-Chlorophenol	6.56	128	124904	17.16	ng	97
9) Benzaldehyde	6.33	77	89737	21.51	ng	89
10) Phenol	6.43	94	145128	16.41	ng	93
11) bis(2-Chloroethyl)ether	6.51	93	117145	16.73	ng	95
12) 1,3-Dichlorobenzene	6.72	146	120059	15.56	ng	98
13) 1,4-Dichlorobenzene	6.72	146	120059	15.10	ng	94
14) 1,2-Dichlorobenzene	6.94	146	118108	16.14	ng	98
15) Benzyl Alcohol	6.92	79	96712	19.28	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.06	45	139521	16.31	ng	93
17) 2-Methylphenol	7.04	107	102444	17.85	ng	98
18) Hexachloroethane	7.28	117	45631	15.61	ng	# 77
19) n-Nitroso-di-n-propylamine	7.18	70	78000	16.23	ng	# 90
20) 3+4-Methylphenols	7.20	107	126804	18.16	ng	# 79
22) Acetophenone	7.18	105	172372	18.41	ng	# 93
24) Nitrobenzene	7.36	77	123269	16.69	ng	99
25) Isophorone	7.60	82	228685	17.16	ng	98
26) 2-Nitrophenol	7.68	139	58711	16.61	ng	# 80
27) 2,4-Dimethylphenol	7.72	122	112392	17.71	ng	95
28) bis(2-Chloroethoxy)methane	7.81	93	143751	18.38	ng	99
29) 2,4-Dichlorophenol	7.93	162	86062	16.04	ng	96
30) 1,2,4-Trichlorobenzene	8.00	180	101450	16.84	ng	99
31) Naphthalene	8.08	128	346254	17.29	ng	98
32) Benzoic acid	7.84	122	49986	10.73	ng	90
33) 4-Chloroaniline	8.14	127	70418	8.70	ng	98
34) Hexachlorobutadiene	8.20	225	50292	15.53	ng	98
35) Caprolactam	8.49	113	31768	18.66	ng	# 85
36) 4-Chloro-3-methylphenol	8.62	107	98862	16.39	ng	91
37) 2-Methylnaphthalene	8.77	142	233597	17.85	ng	100
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	90502	15.47	ng	99
40) Hexachlorocyclopentadiene	8.92	237	22190	18.61	ng	99

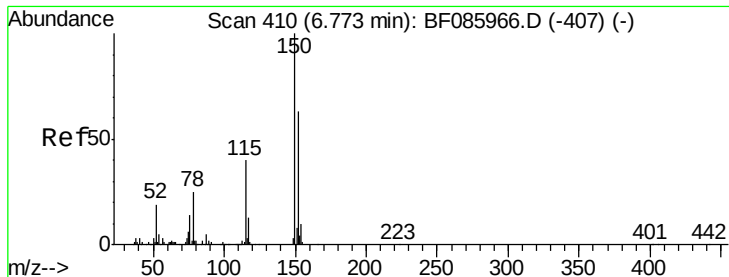
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF085983.D
 Acq On : 2 Apr 2016 1:37
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	55805	14.85	nq	97
43) 2,4,5-Trichlorophenol	9.10	196	63211	16.57	nq	# 95
45) 1,1'-Biphenyl	9.23	154	281221	16.75	nq	97
46) 2-Chloronaphthalene	9.25	162	196757	16.17	nq	# 90
47) 2-Nitroaniline	9.36	65	59577	16.74	nq	# 75
48) Acenaphthylene	9.66	152	327161	16.79	nq	99
49) Dimethylphthalate	9.54	163	240419	16.66	nq	99
50) 2,6-Dinitrotoluene	9.60	165	49352	16.17	nq	87
51) Acenaphthene	9.84	154	192338	16.59	nq	100
52) 3-Nitroaniline	9.77	138	41651	11.32	nq	85
53) 2,4-Dinitrophenol	9.89	184	17555	16.02	nq	# 79
54) Dibenzofuran	10.02	168	286154	18.69	nq	95
55) 4-Nitrophenol	9.95	139	29070	13.40	nq	98
56) 2,4-Dinitrotoluene	10.01	165	72577	18.82	nq	# 59
57) Fluorene	10.35	166	228176	17.45	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.14	232	50148	17.66	nq	97
59) Diethylphthalate	10.24	149	253683	17.42	nq	99
60) 4-Chlorophenyl-phenylether	10.35	204	113666	18.66	nq	92
61) 4-Nitroaniline	10.38	138	57383	15.84	nq	99
62) Azobenzene	10.51	77	275326	19.74	nq	98
64) 4,6-Dinitro-2-methylphenol	10.42	198	33047	14.61	nq	# 72
65) n-Nitrosodiphenylamine	10.46	169	199256	17.07	nq	99
66) 4-Bromophenyl-phenylether	10.84	248	61561	16.16	nq	# 88
67) Hexachlorobenzene	10.91	284	62178	15.78	nq	# 92
68) Atrazine	10.99	200	60298	15.99	nq	95
69) Pentachlorophenol	11.10	266	25991	14.08	nq	97
70) Phenanthrene	11.31	178	344386	16.92	nq	99
71) Anthracene	11.37	178	382375	17.93	nq	99
72) Carbazole	11.53	167	331834	18.10	nq	98
73) Di-n-butylphthalate	11.86	149	385500	16.97	nq	97
74) Fluoranthene	12.50	202	356084	16.82	nq	96
76) Benzidine	12.62	184	101587	8.34	nq	99
77) Pyrene	12.73	202	369388	15.18	nq	100
79) Butylbenzylphthalate	13.34	149	167442	15.28	nq	# 76
80) Benzo(a)anthracene	13.92	228	332448	16.33	nq	99
81) 3,3'-Dichlorobenzidine	13.88	252	49693	3.34	nq	# 98
82) Chrysene	13.95	228	295221	15.06	nq	99
83) Bis(2-ethylhexyl)phthalate	13.90	149	238061	16.37	nq	# 99
84) Di-n-octyl phthalate	14.51	149	373576	16.09	nq	100
85) Indeno(1,2,3-cd)pyrene	16.68	276	260753	16.39	nq	98
87) Benzo(b)fluoranthene	14.93	252	576398	31.21	nq	97
88) Benzo(k)fluoranthene	14.93	252	576406	35.24	nq	98
89) Benzo(a)pyrene	15.28	252	274843	16.80	nq	# 96
90) Dibenzo(a,h)anthracene	16.69	278	214904	16.32	nq	99
91) Benzo(g,h,i)perylene	17.09	276	207928	16.32	nq	# 93

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

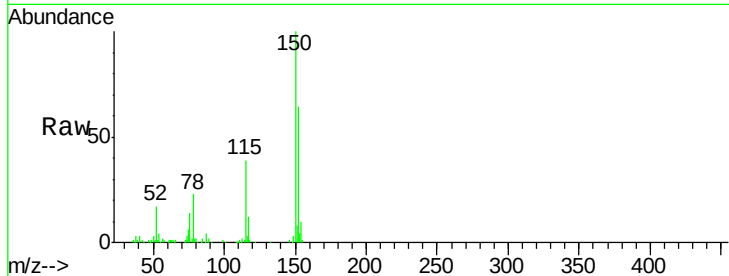


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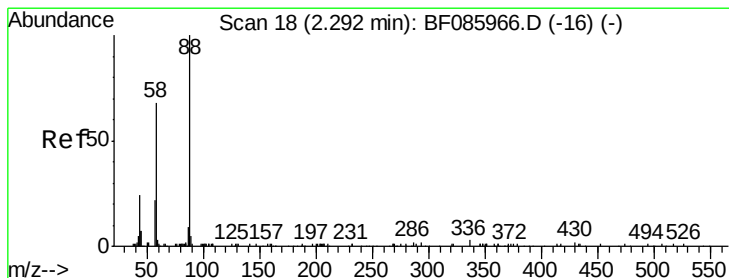
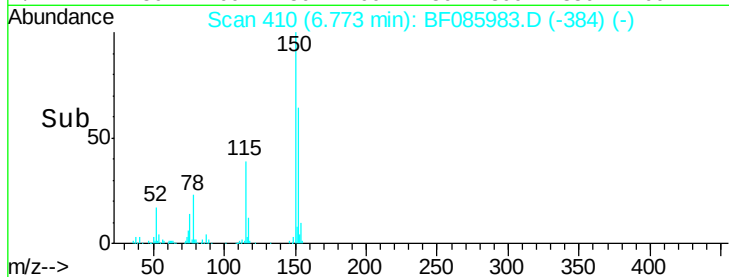
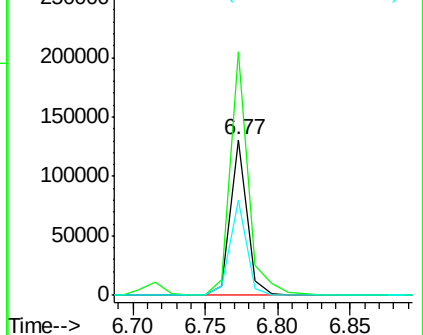
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion:152 Resp: 104345
Ion Ratio Lower Upper
152 100
150 156.7 124.2 186.2
115 60.9 47.0 70.6



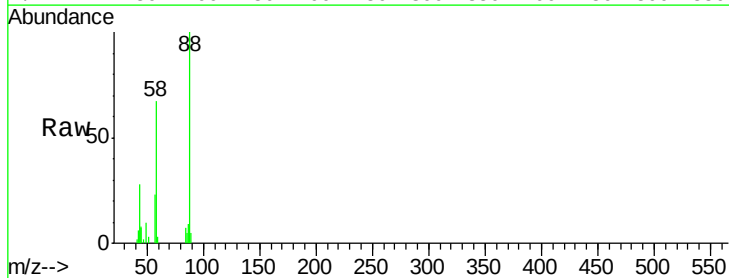
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



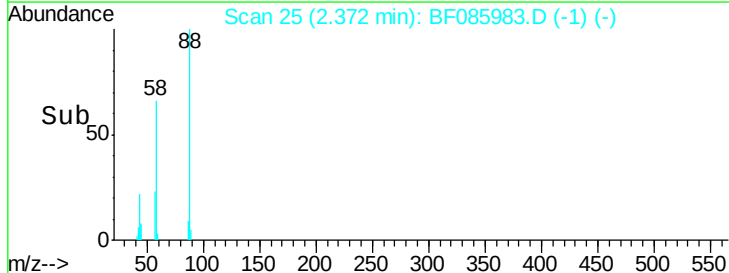
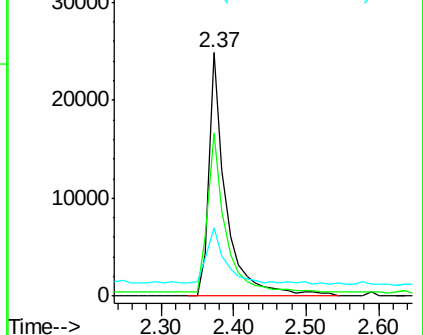
#2

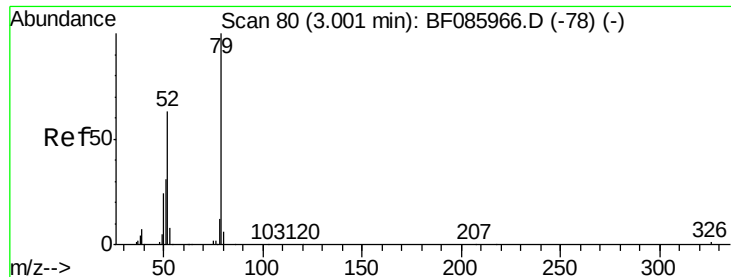
1,4-Dioxane
Concen: 14.08 ng
RT: 2.37 min Scan# 25
Delta R.T. 0.08 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion: 88 Resp: 40741
Ion Ratio Lower Upper
88 100
58 67.9 54.2 81.2
43 24.6 19.3 28.9



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 11.89 ng

RT: 3.14 min Scan# 92

Delta R.T. 0.14 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

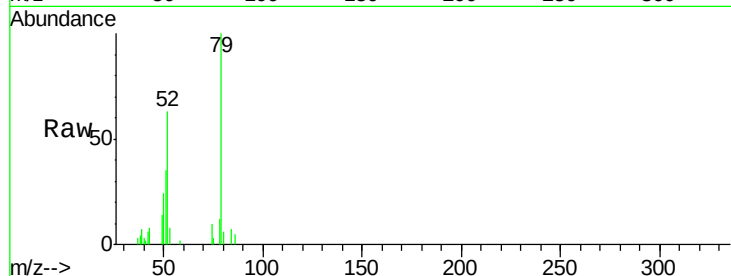
Tot Ion: 79 Resp: 77018

Ion Ratio Lower Upper

79 100

52 62.8 49.8 74.6

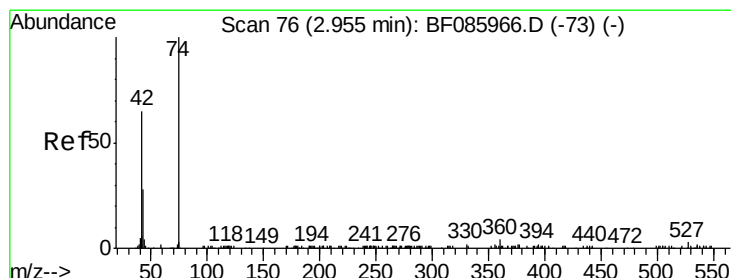
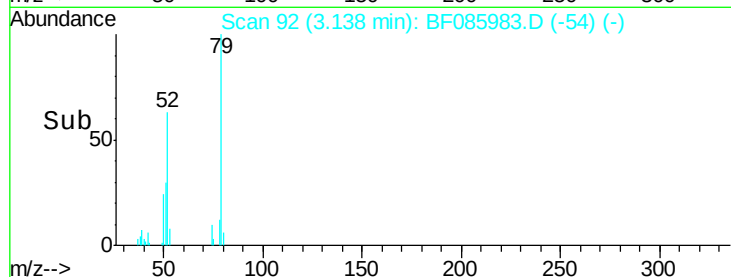
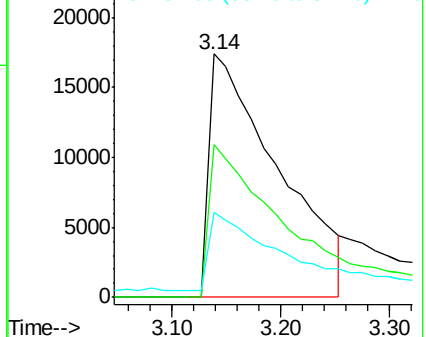
51 34.7 24.7 37.1



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 14.31 ng

RT: 3.04 min Scan# 83

Delta R.T. 0.08 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

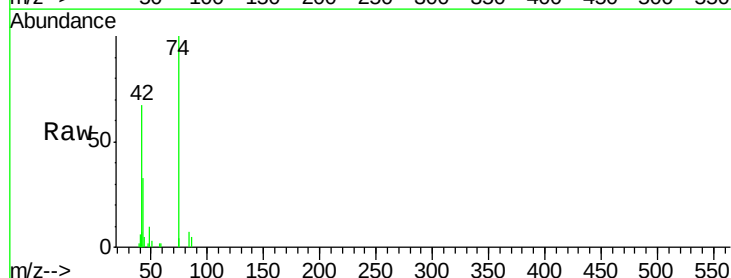
Tgt Ion: 42 Resp: 40768

Ion Ratio Lower Upper

42 100

74 148.2 121.4 182.2

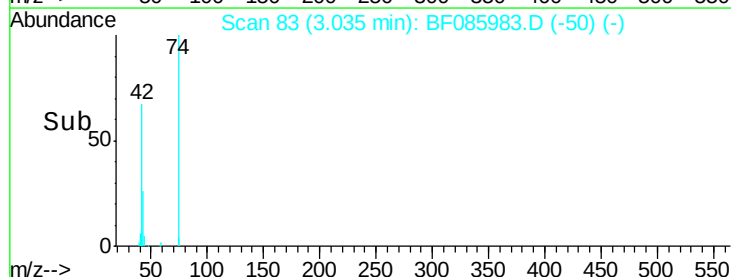
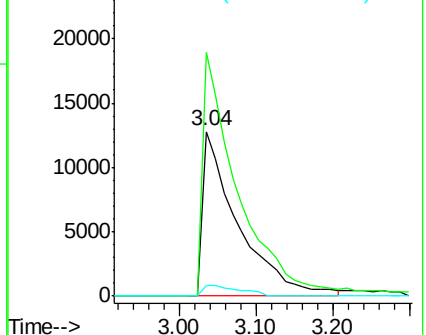
44 6.7 5.6 8.4

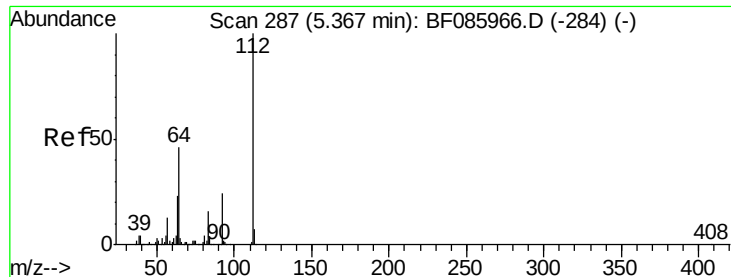


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 126.30 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

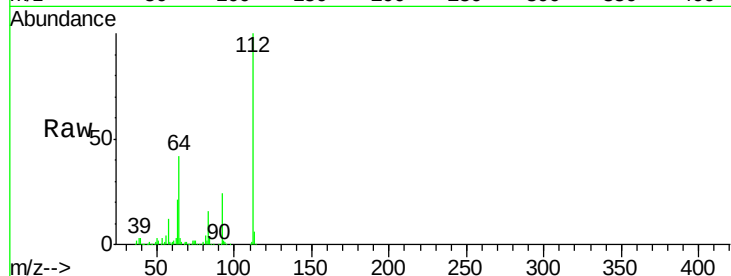
Tot Ion: 112 Resp: 770998

Ion Ratio Lower Upper

112 100

64 42.3 39.9 59.9

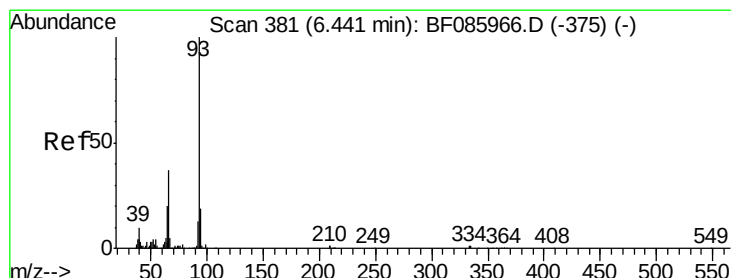
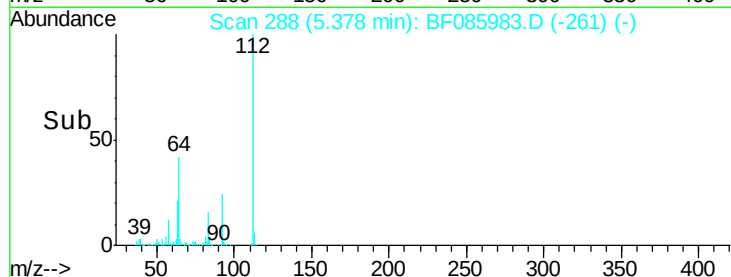
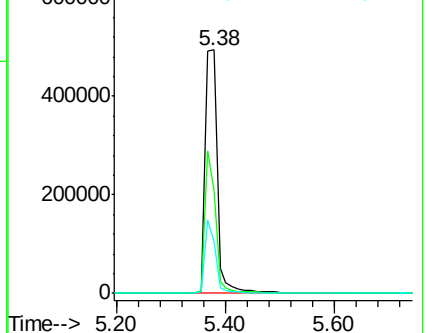
63 21.5 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 9.60 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

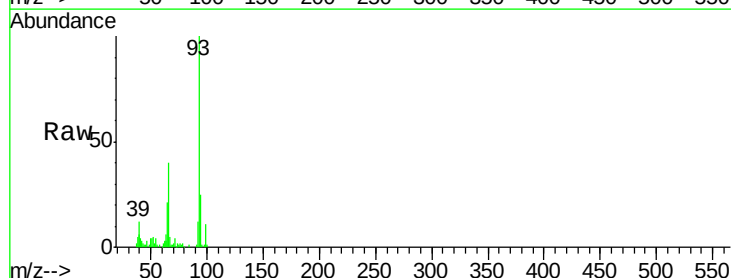
Tgt Ion: 93 Resp: 97617

Ion Ratio Lower Upper

93 100

66 39.9 31.4 47.2

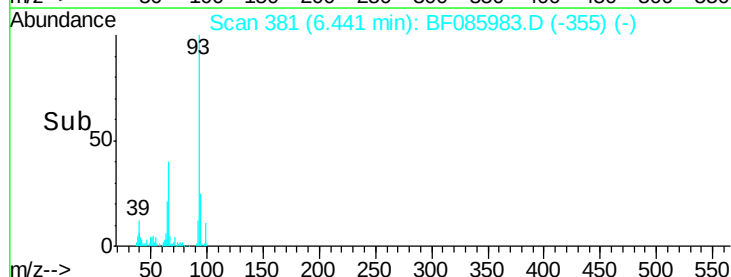
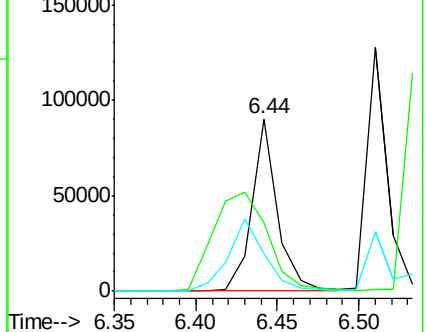
65 21.5 15.7 23.5

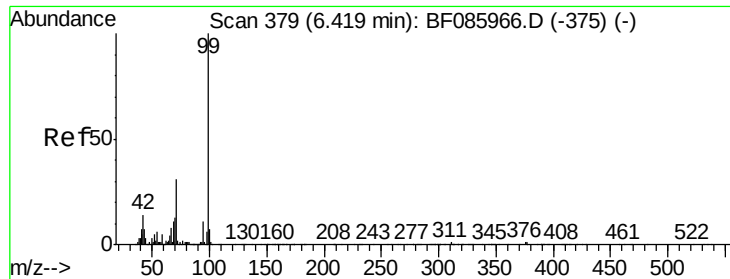


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 129.55 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

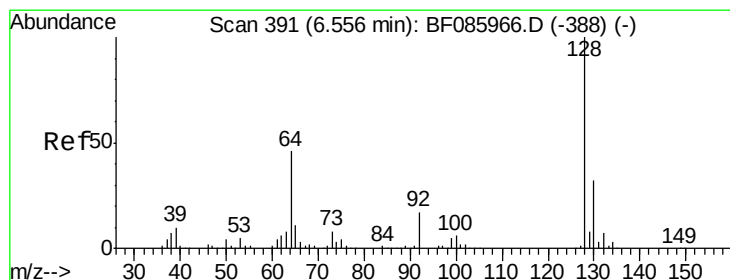
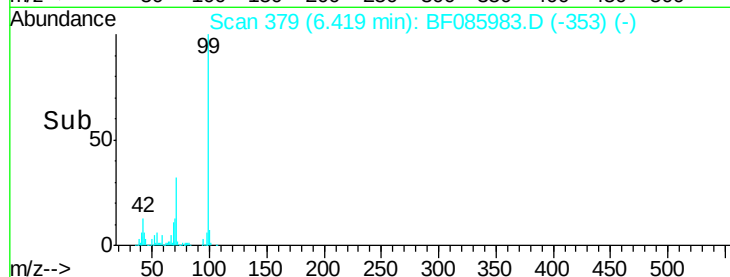
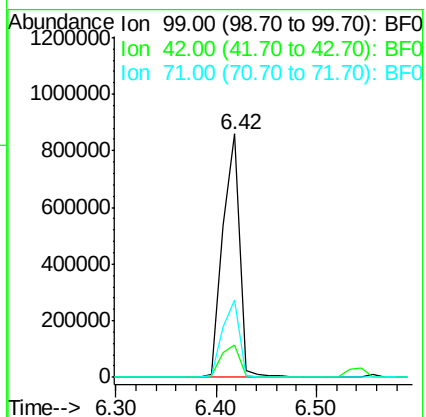
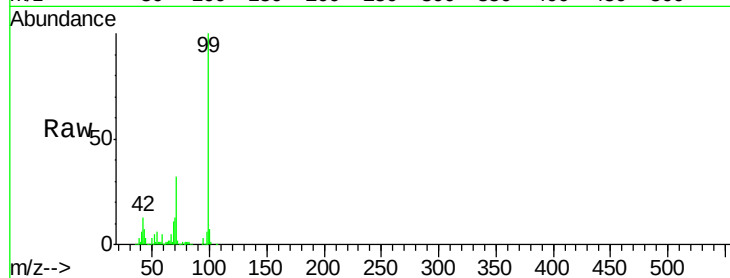
Tot Ion: 99 Resp: 1004542

Ion	Ratio	Lower	Upper
99	100		
42	13.3	11.1	16.7
71	31.6	24.9	37.3

99 100

42 13.3 11.1 16.7

71 31.6 24.9 37.3



#8

2-Chlorophenol

Concen: 17.16 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

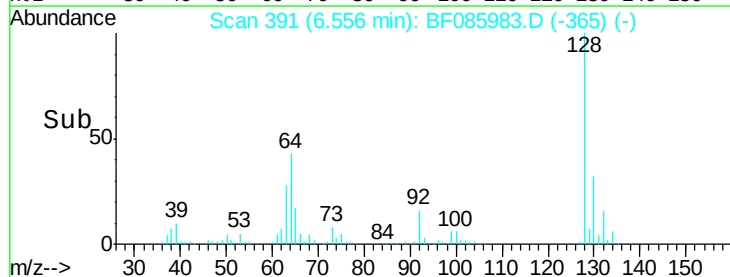
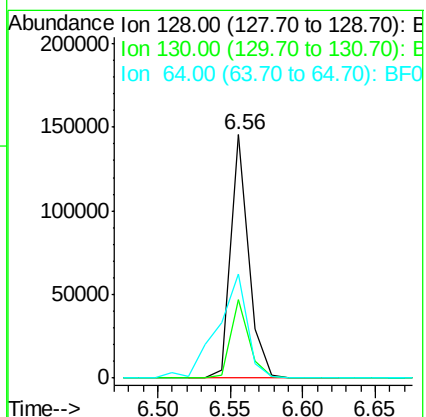
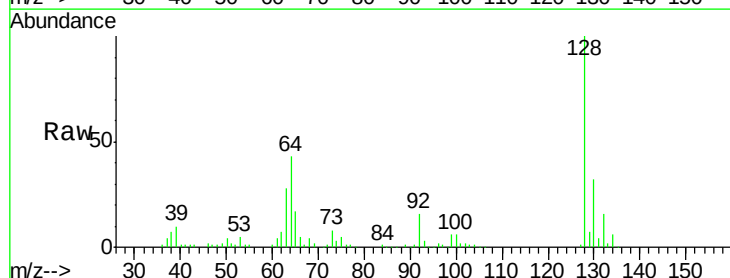
Tgt Ion: 128 Resp: 124904

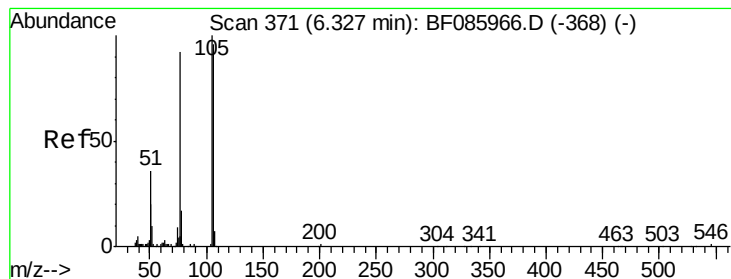
Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	42.6	20.2	60.2

128 100

130 32.2 12.9 52.9

64 42.6 20.2 60.2





#9

Benzaldehyde

Concen: 21.51 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

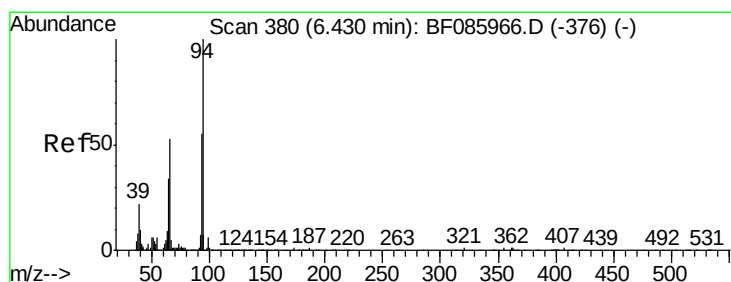
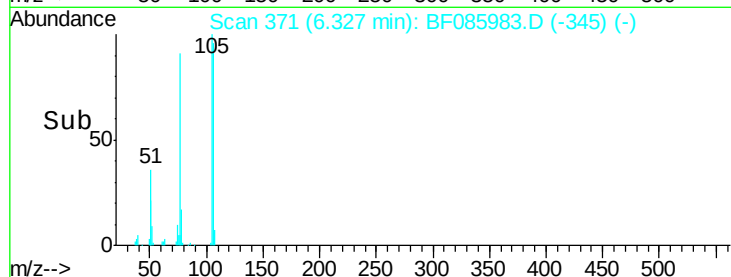
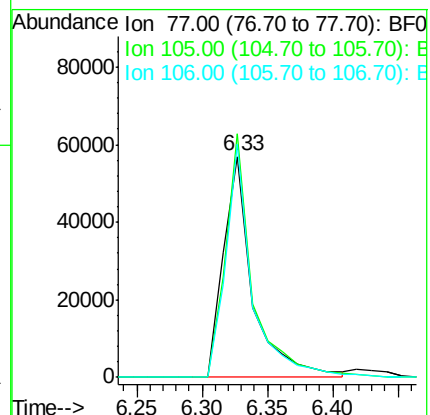
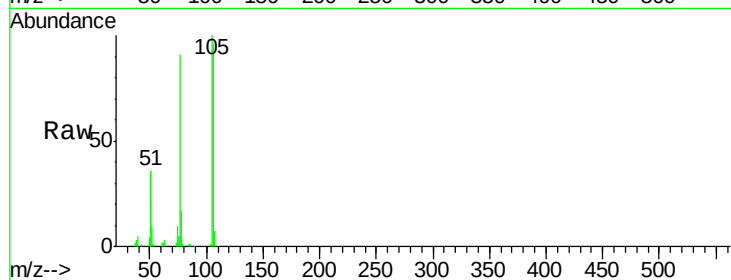
Tot Ion: 77 Resp: 89737

Ion Ratio Lower Upper

77 100

105 110.3 80.1 120.1

106 105.5 75.0 115.0



#10

Phenol

Concen: 16.41 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

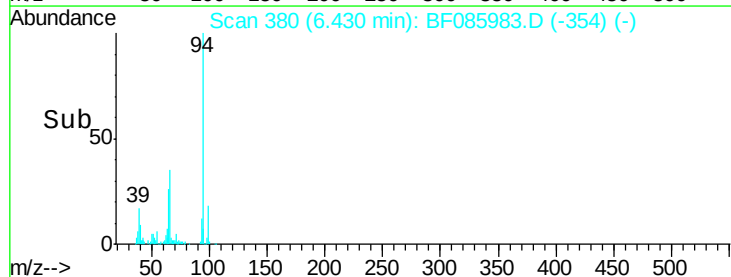
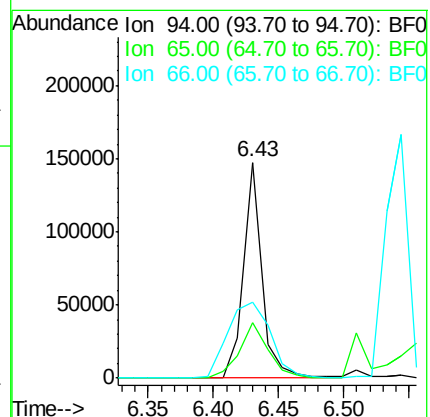
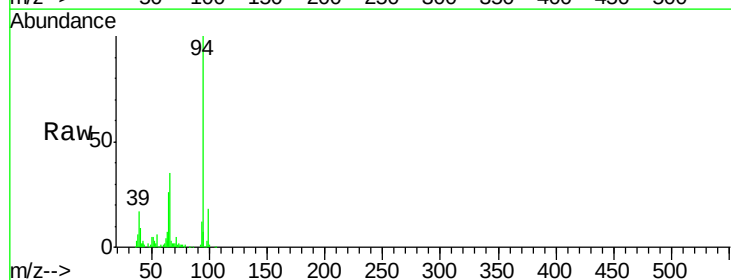
Tgt Ion: 94 Resp: 145128

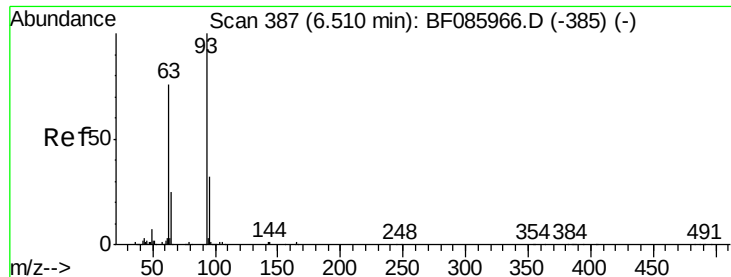
Ion Ratio Lower Upper

94 100

65 25.6 8.6 48.6

66 35.2 20.0 60.0

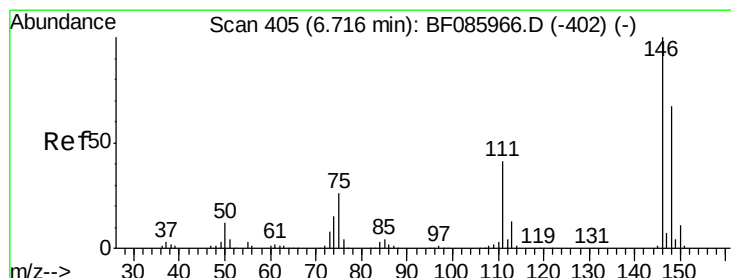
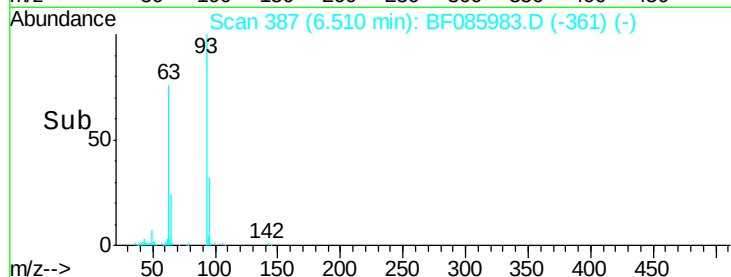
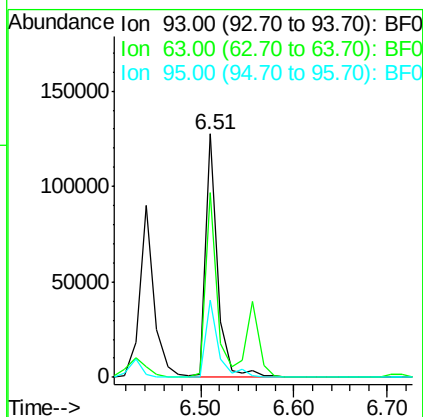
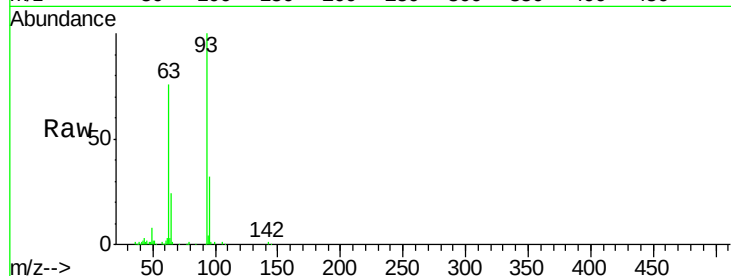




#11
 bis(2-Chloroethyl)ether
 Concen: 16.73 ng
 RT: 6.51 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

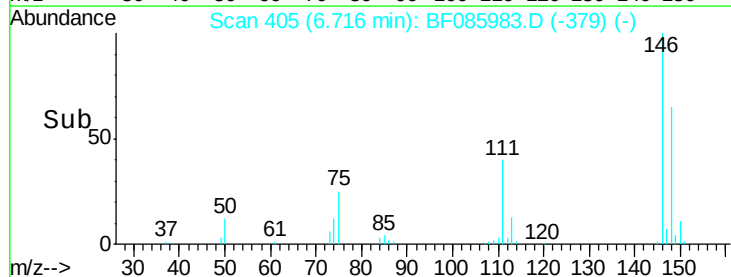
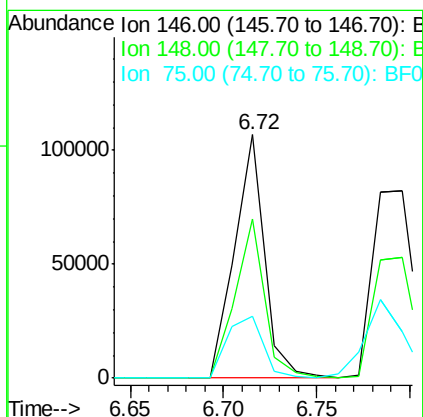
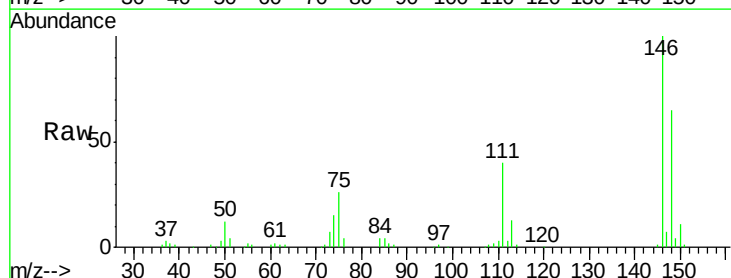
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

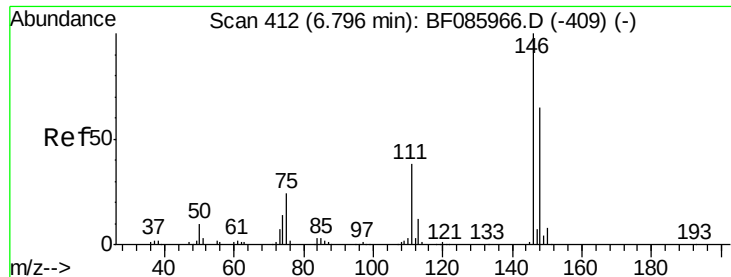
Tot Ion: 93 Resp: 117145
 Ion Ratio Lower Upper
 93 100
 63 75.8 50.9 90.9
 95 31.8 13.3 53.3



#12
 1,3-Dichlorobenzene
 Concen: 15.56 ng
 RT: 6.72 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion: 146 Resp: 120059
 Ion Ratio Lower Upper
 146 100
 148 65.4 52.3 78.5
 75 25.5 17.4 26.2

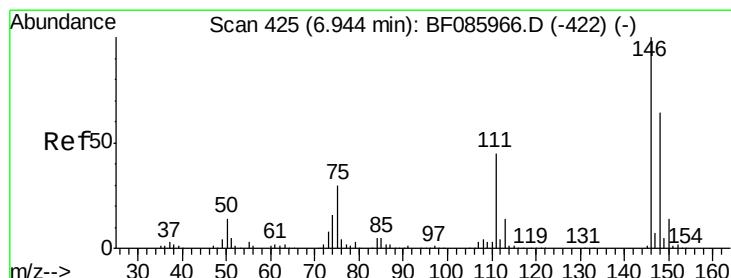
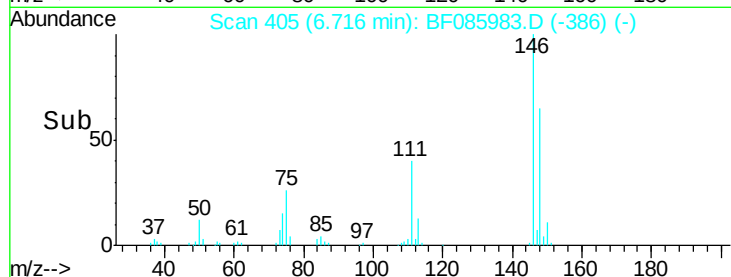
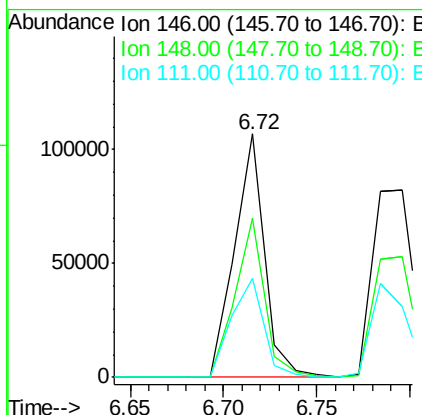
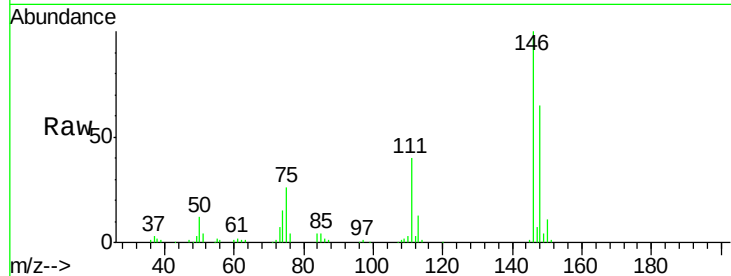




#13
 1,4-Dichlorobenzene
 Concen: 15.10 ng
 RT: 6.72 min Scan# 405
 Delta R.T. -0.08 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

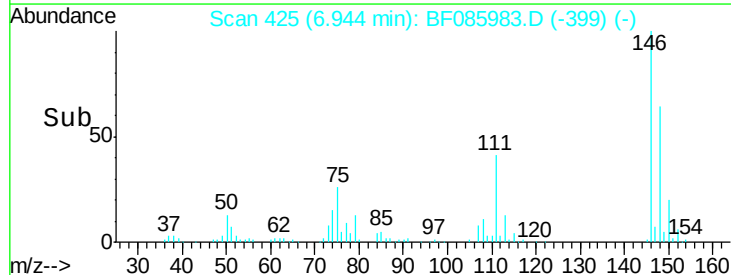
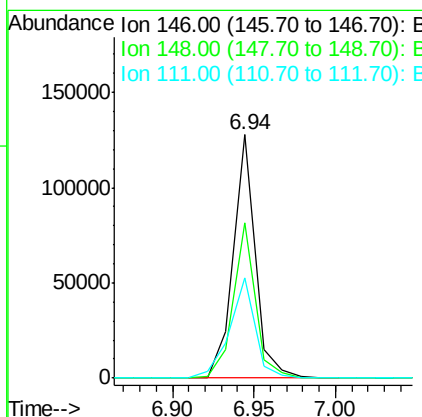
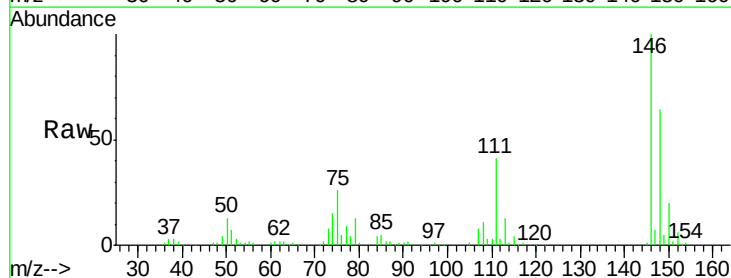
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

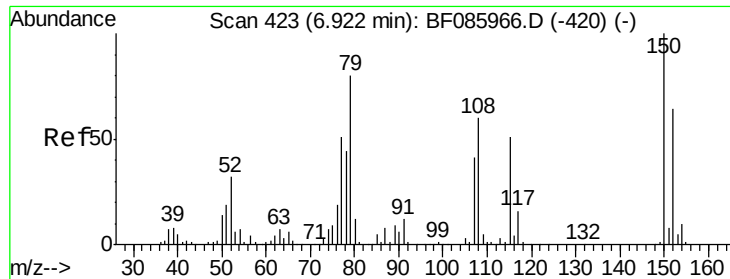
Tot Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.6	76.0
111	40.4	37.8	56.6



#14
 1,2-Dichlorobenzene
 Concen: 16.14 ng
 RT: 6.94 min Scan# 425
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
111	41.2	34.6	52.0

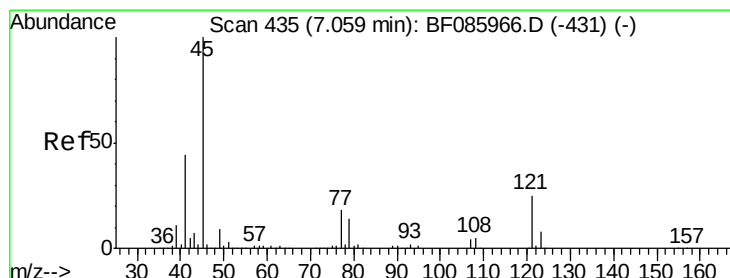
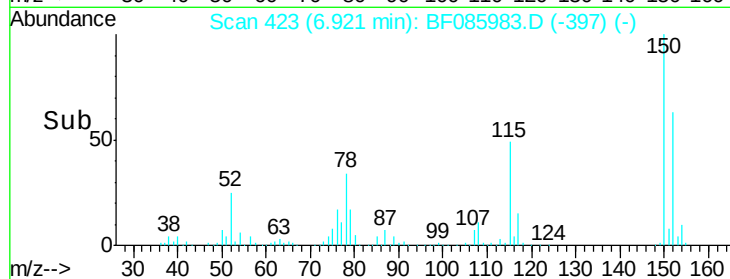
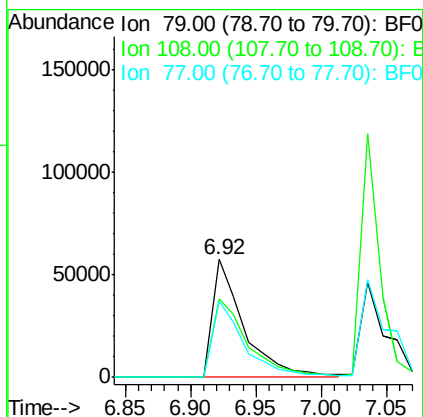
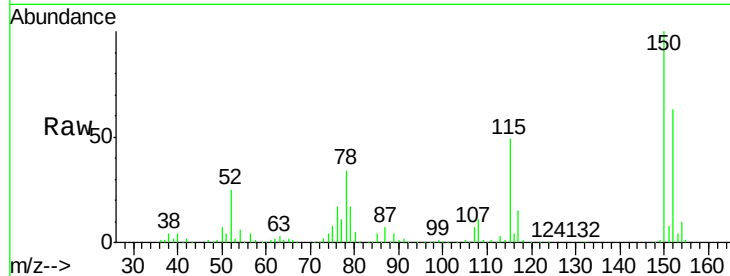




#15
Benzyl Alcohol
Concen: 19.28 ng
RT: 6.92 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

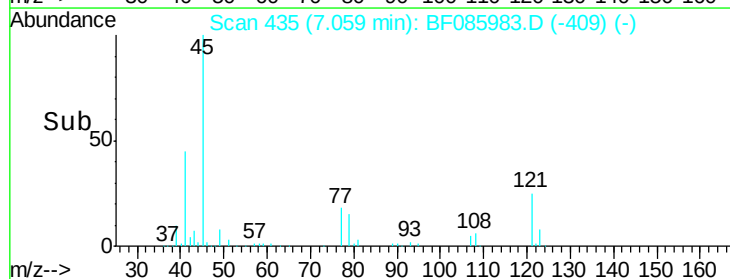
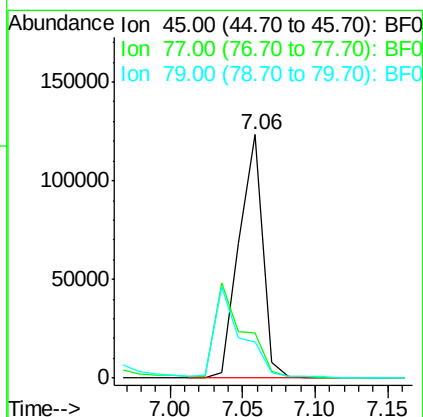
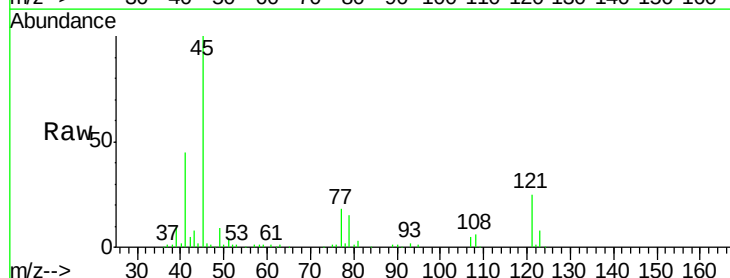
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

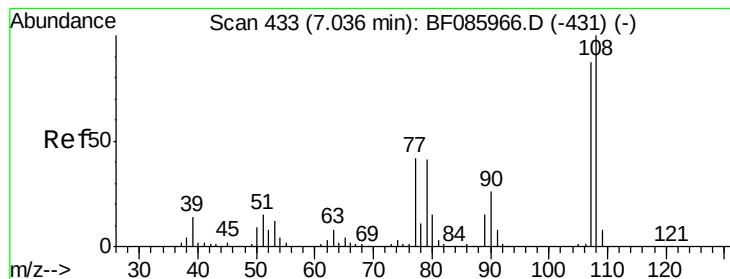
Tot Ion: 79 Resp: 96712
Ion Ratio Lower Upper
79 100
108 66.9 61.8 92.6
77 64.5 49.6 74.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 16.31 ng
RT: 7.06 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion: 45 Resp: 139521
Ion Ratio Lower Upper
45 100
77 18.5 0.0 35.7
79 15.0 0.0 32.2





#17

2-Methylphenol

Concen: 17.85 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:107 Resp: 102444

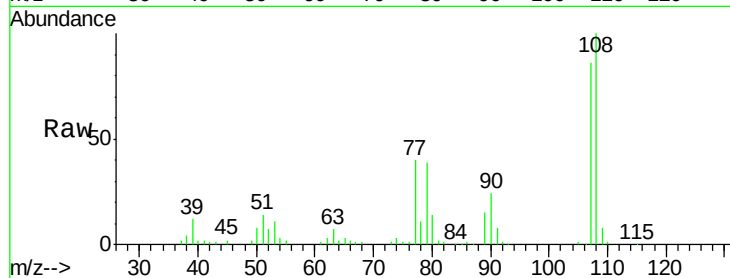
Ion Ratio Lower Upper

107 100

108 115.9 91.4 137.0

77 46.8 36.2 54.2

79 45.3 35.8 53.8

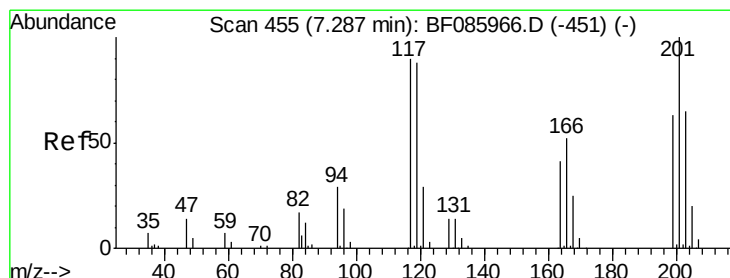
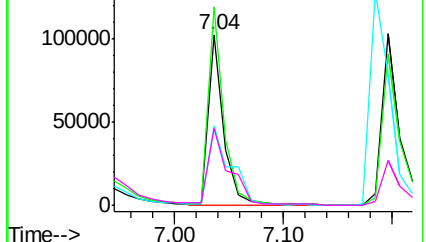
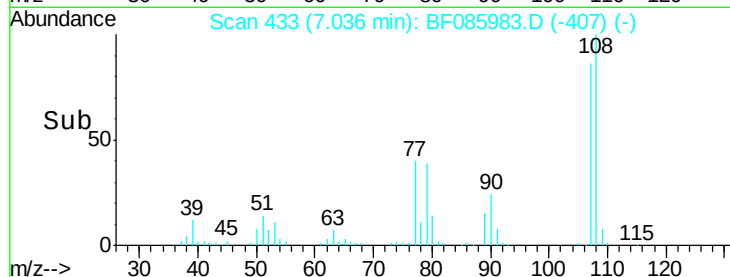


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 15.61 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

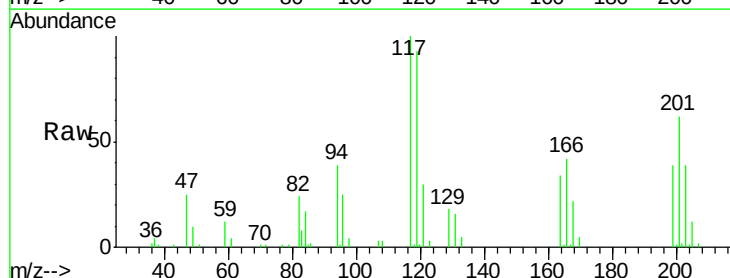
Tgt Ion:117 Resp: 45631

Ion Ratio Lower Upper

117 100

119 92.9 76.7 115.1

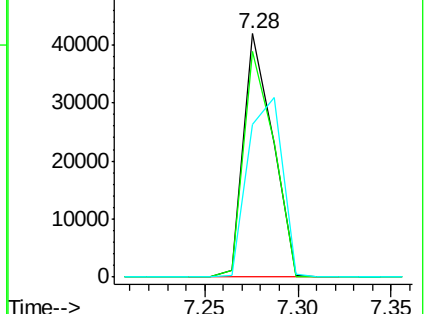
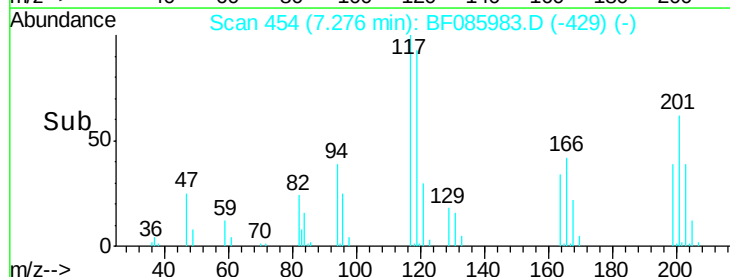
201 62.5 83.3 124.9#

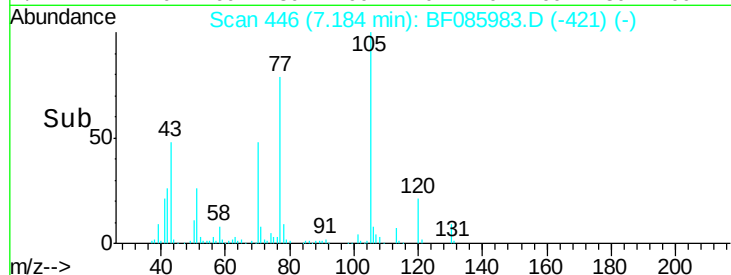
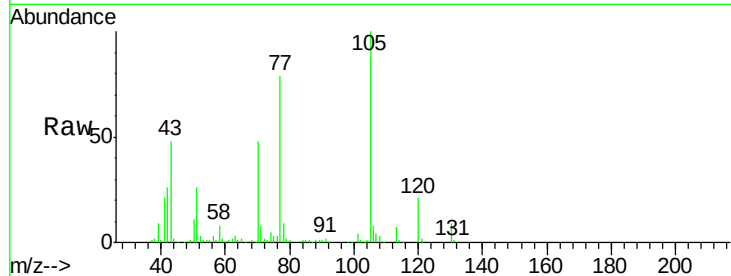
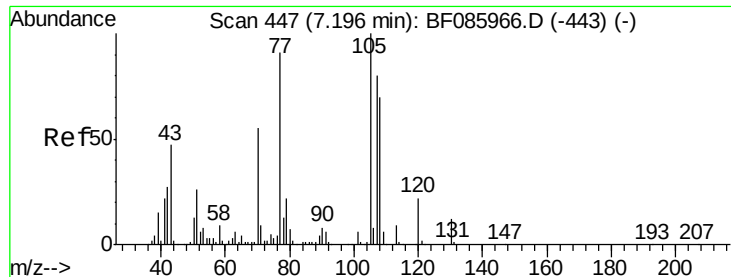


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

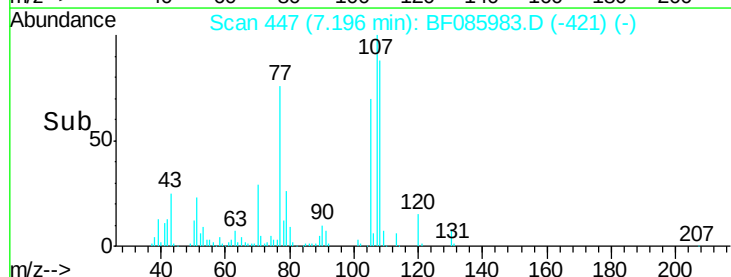
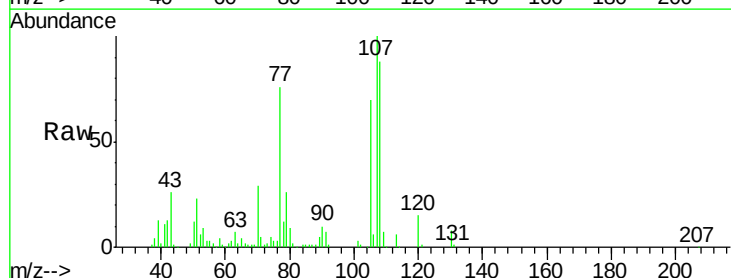
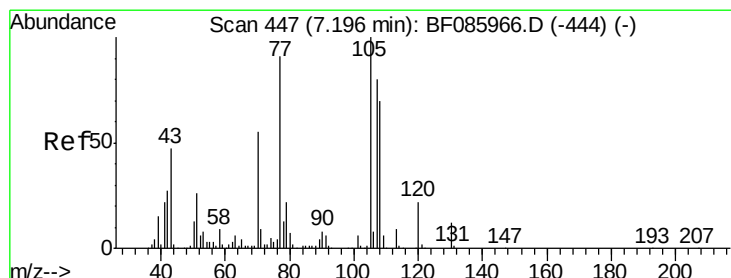
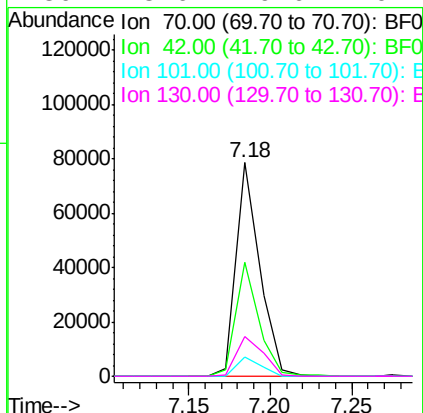




#19
n-Nitroso-di-n-propylamine
Concen: 16.23 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

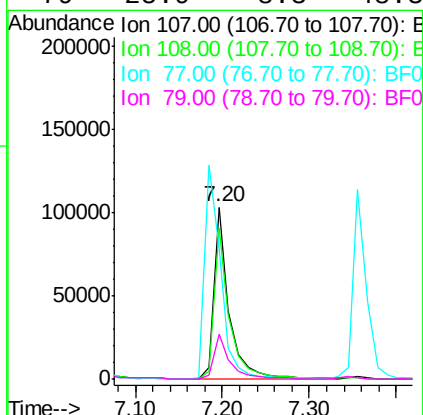
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

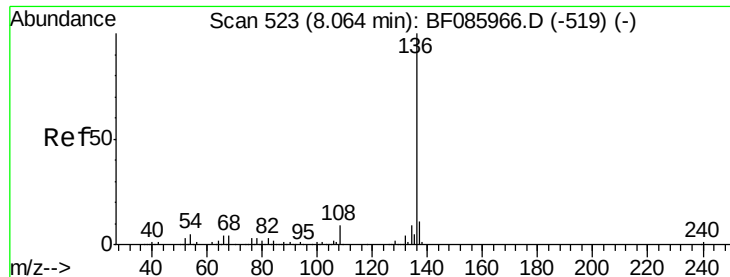
Tot Ion: 70 Resp: 78000
Ion Ratio Lower Upper
70 100
42 53.2 37.1 55.7
101 9.3 8.6 12.8
130 18.6 19.6 29.4#



#20
3+4-Methylphenols
Concen: 18.16 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion:107 Resp: 126804
Ion Ratio Lower Upper
107 100
108 88.3 69.3 109.3
77 76.4 101.7 141.7#
79 25.9 8.3 48.3

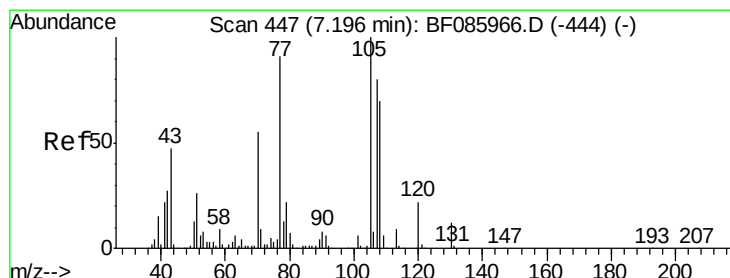
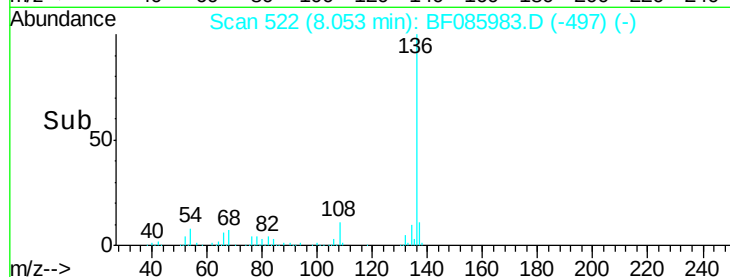
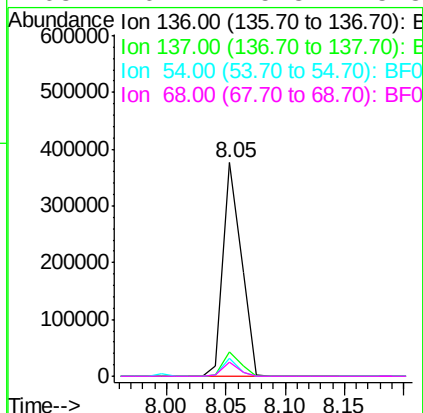
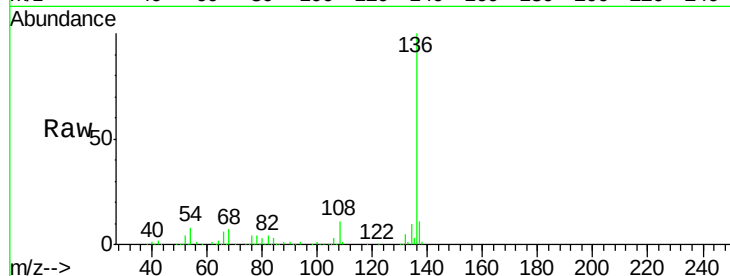




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

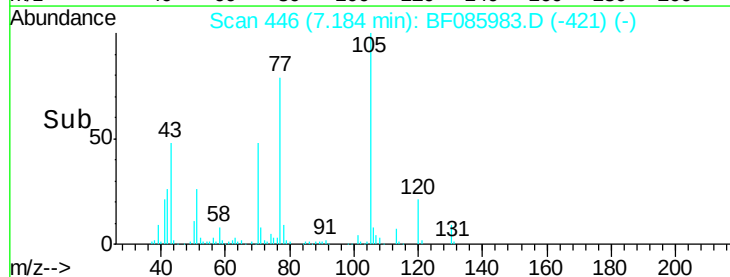
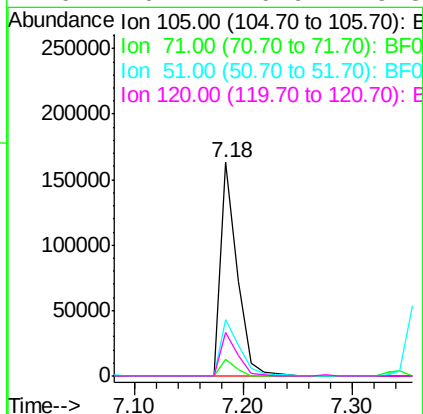
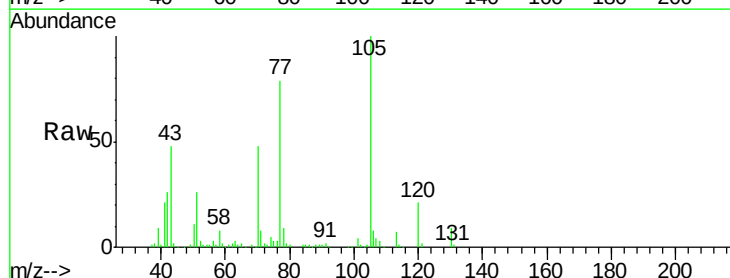
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

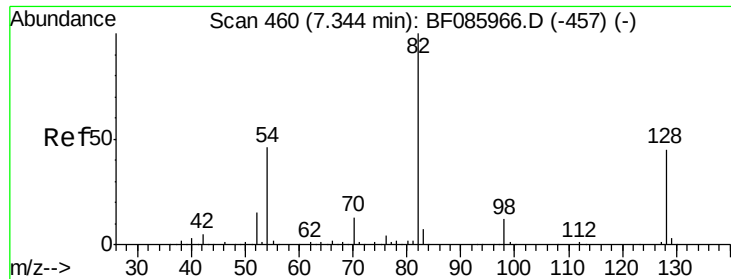
Tot Ion:136	Resp:	398201
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.1	13.7
54 8.1	7.4	11.0
68 6.7	5.8	8.8



#22
Acetophenone
Concen: 18.41 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt	Ion:105	Resp:	172372
Ion	Ratio	Lower	Upper
105	100		
71	7.9	3.6	5.4#
51	26.1	25.4	38.0
120	20.7	16.9	25.3

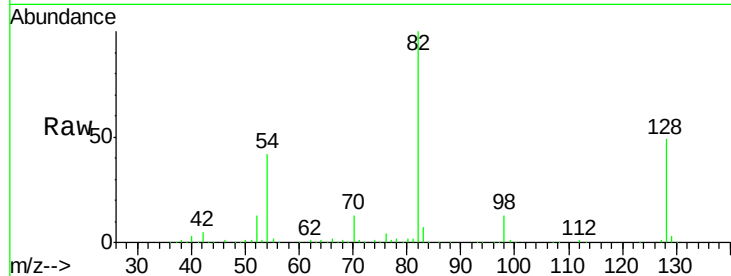




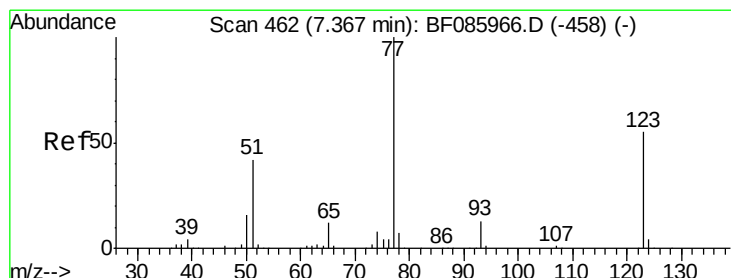
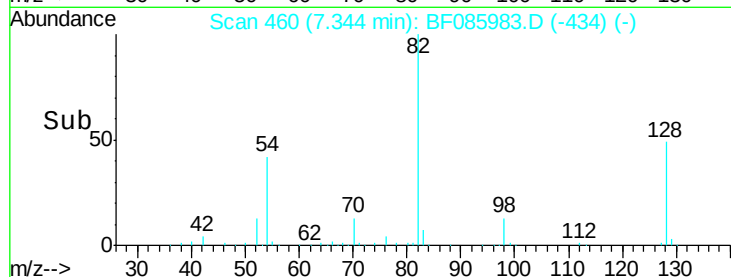
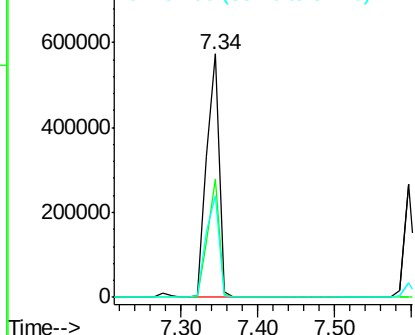
#23
 Nitrobenzene-d5
 Concen: 94.30 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion: 82 Resp: 636746
 Ion Ratio Lower Upper
 82 100
 128 48.7 41.8 62.8
 54 41.7 33.4 50.0

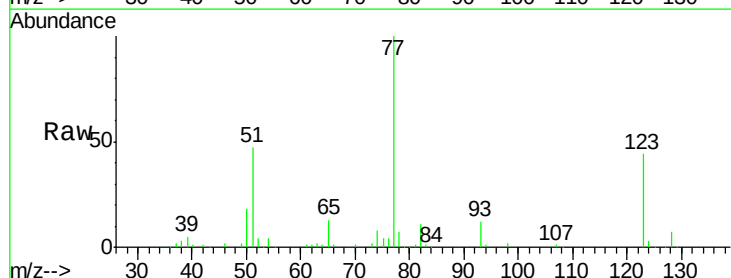


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

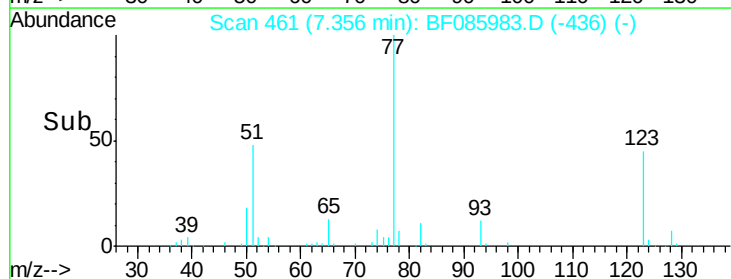
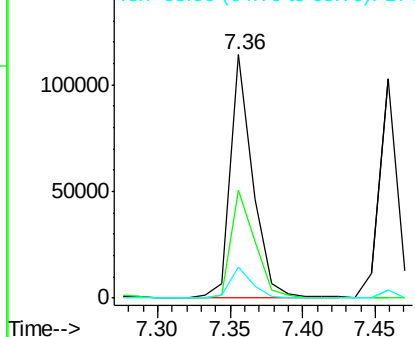


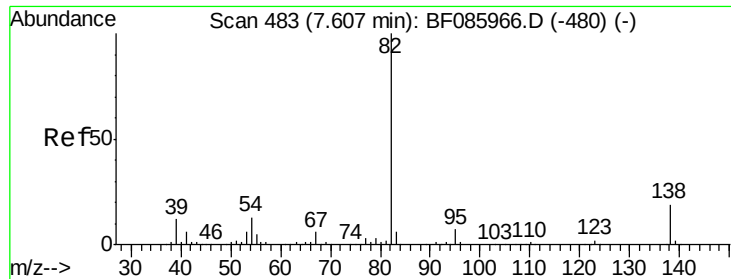
#24
 Nitrobenzene
 Concen: 16.69 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion: 77 Resp: 123269
 Ion Ratio Lower Upper
 77 100
 123 44.4 35.0 52.4
 65 12.6 10.6 16.0



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

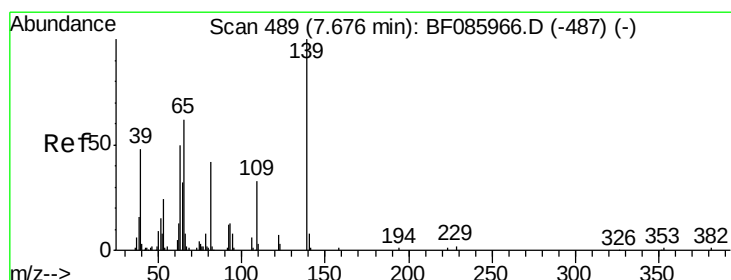
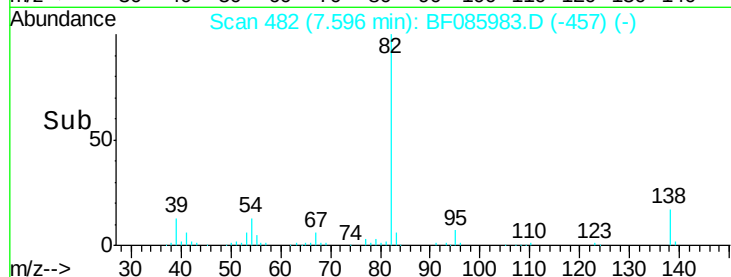
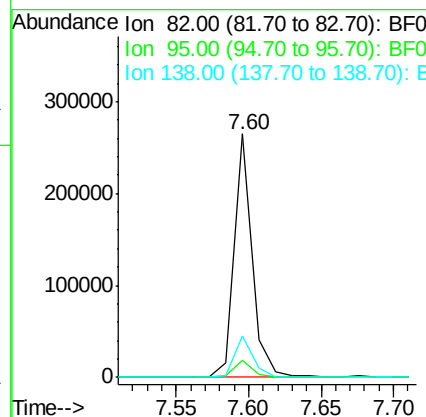
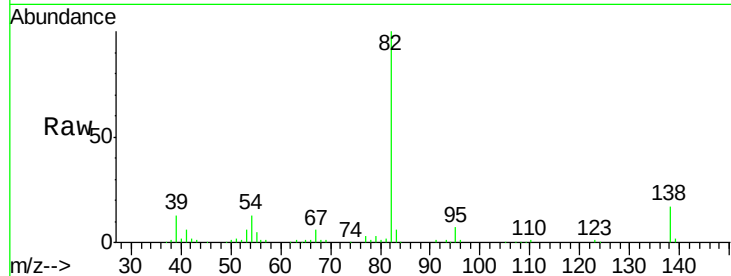




#25
Isophorone
Concen: 17.16 ng
RT: 7.60 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

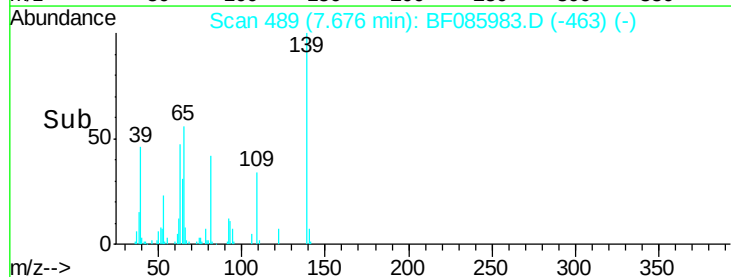
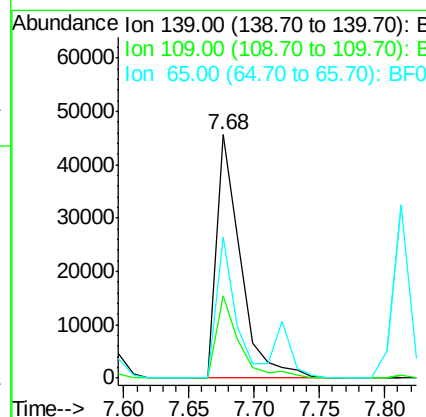
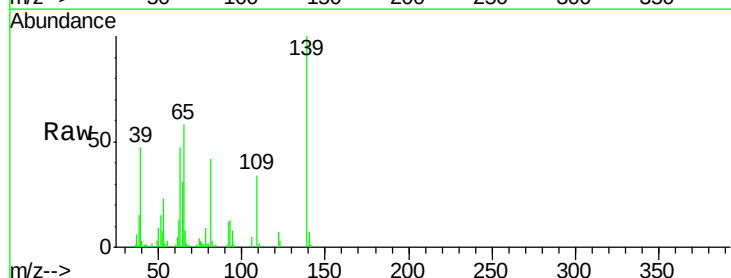
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

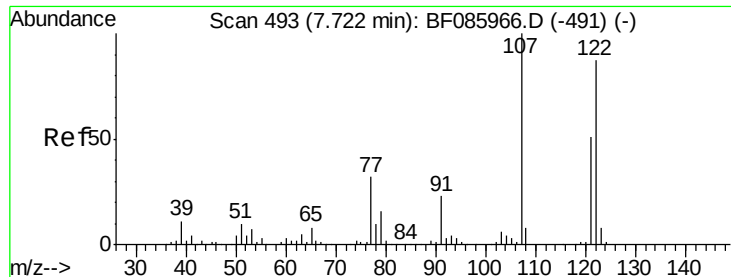
Tot Ion: 82 Resp: 228685
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 17.1 12.9 19.3



#26
2-Nitrophenol
Concen: 16.61 ng
RT: 7.68 min Scan# 489
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion: 139 Resp: 58711
Ion Ratio Lower Upper
139 100
109 33.6 22.1 33.1#
65 58.2 33.9 50.9#





#27

2,4-Dimethylphenol

Concen: 17.71 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

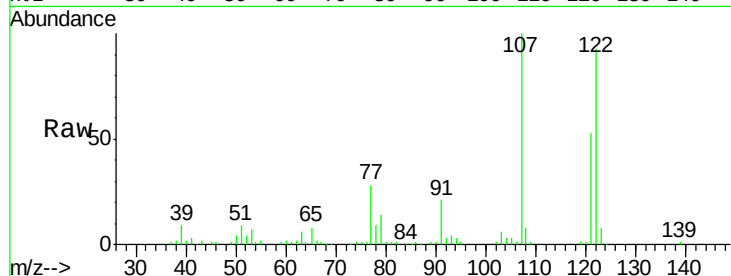
Tot Ion:122 Resp: 112392

Ion Ratio Lower Upper

122 100

107 107.8 93.0 139.6

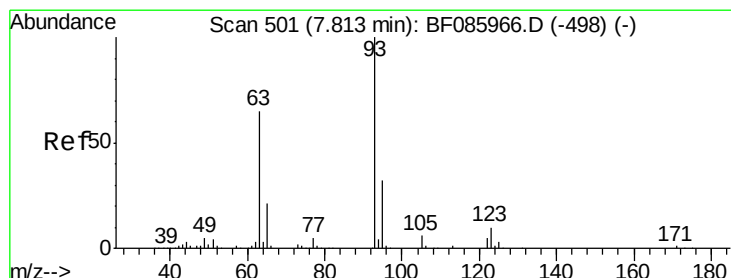
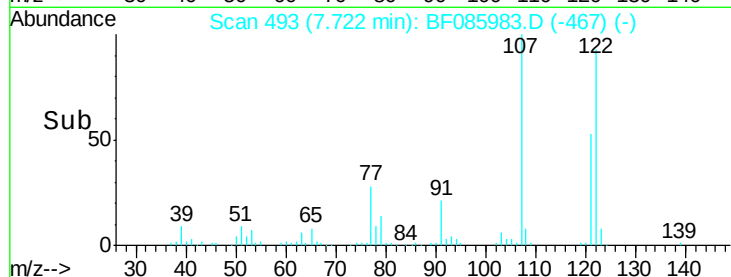
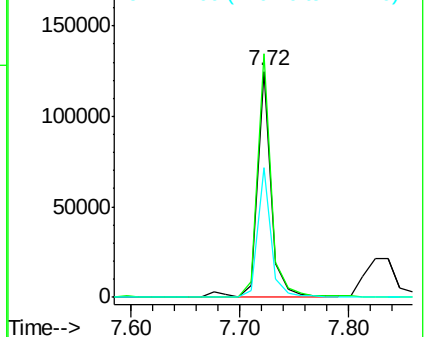
121 57.3 45.9 68.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 18.38 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

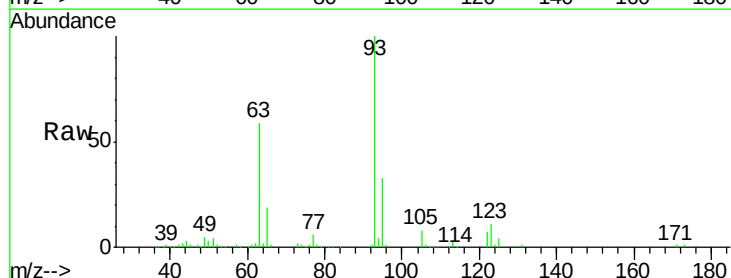
Tgt Ion: 93 Resp: 143751

Ion Ratio Lower Upper

93 100

95 32.6 26.4 39.6

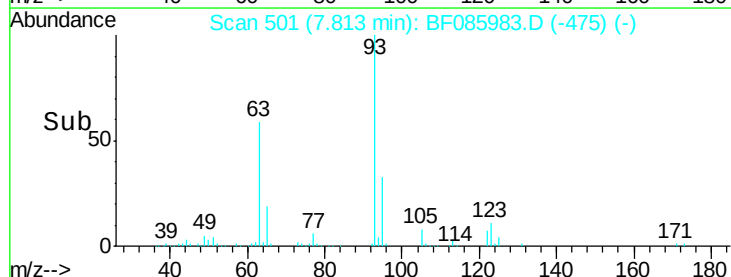
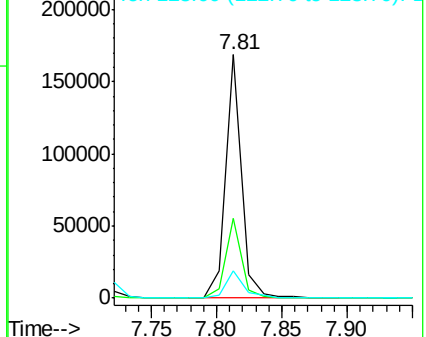
123 11.2 9.8 14.6

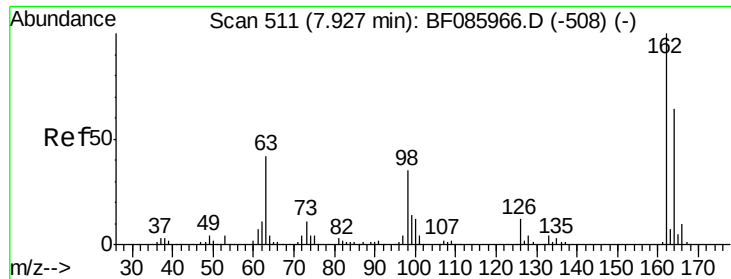


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

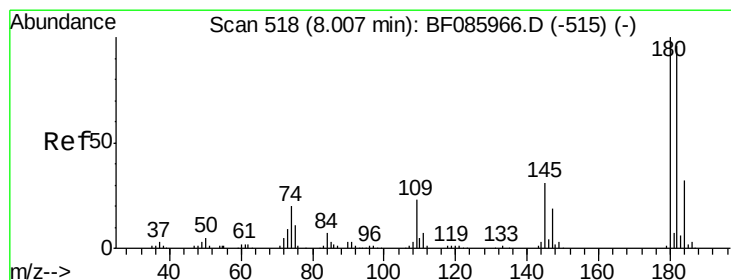
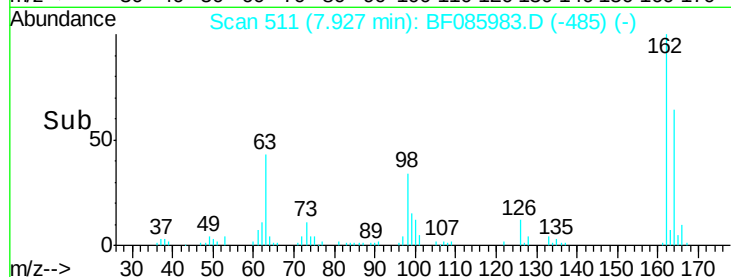
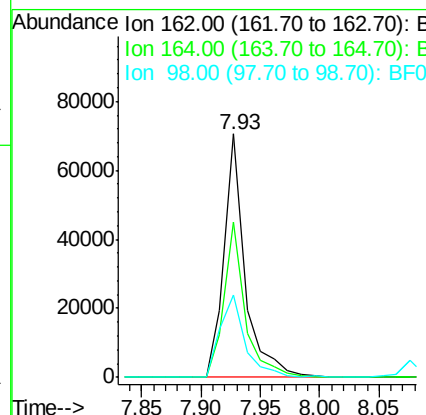
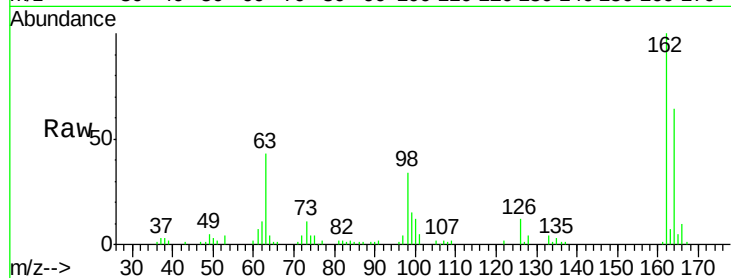




#29
 2,4-Dichlorophenol
 Concen: 16.04 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

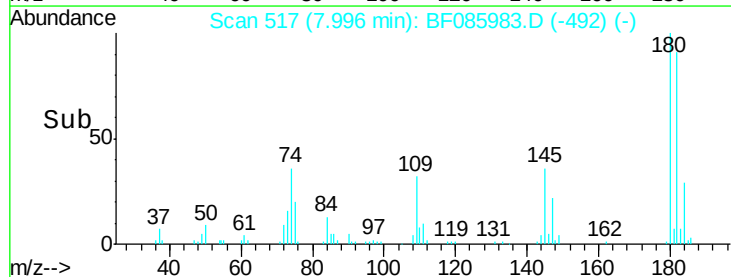
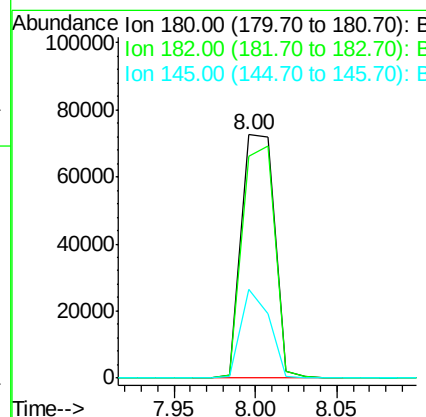
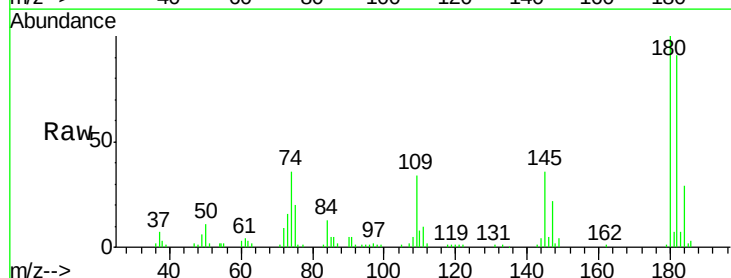
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

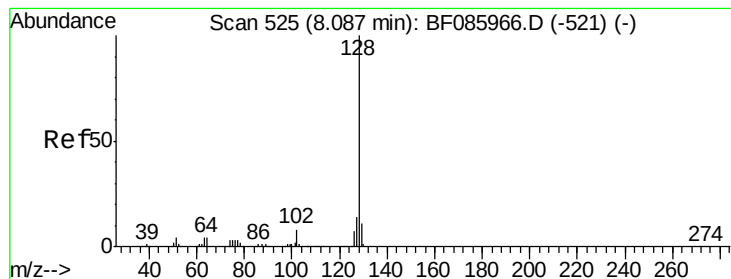
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.7	83.7
98	33.6	20.4	60.4



#30
 1,2,4-Trichlorobenzene
 Concen: 16.84 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	73.8	110.8
145	36.4	28.4	42.6





#31

Naphthalene

Concen: 17.29 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

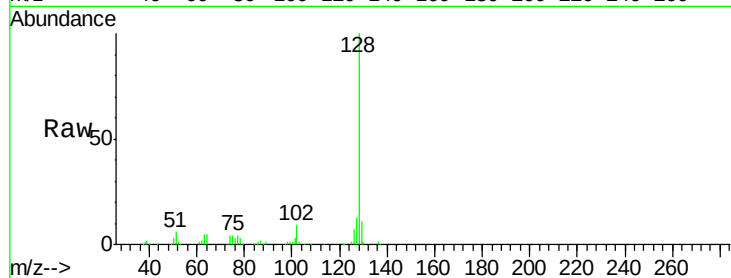
Tot Ion:128 Resp: 346254

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.0

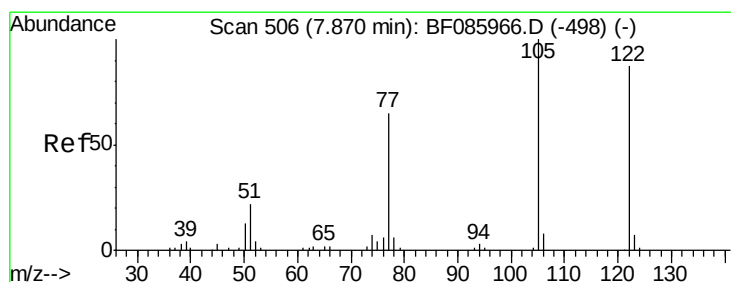
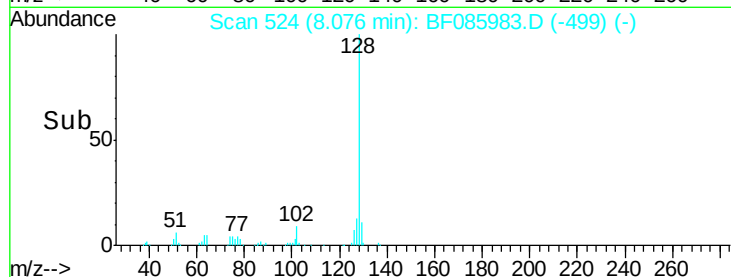
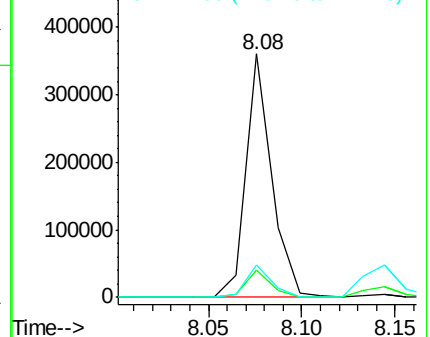
127 13.1 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.73 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.03 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

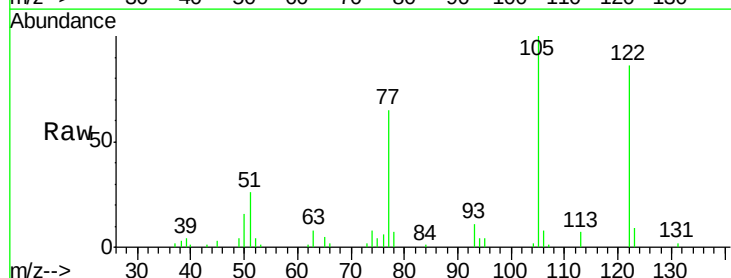
Tgt Ion:122 Resp: 49986

Ion Ratio Lower Upper

122 100

105 116.2 102.9 142.9

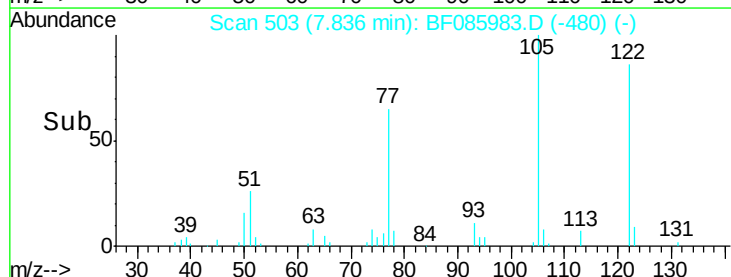
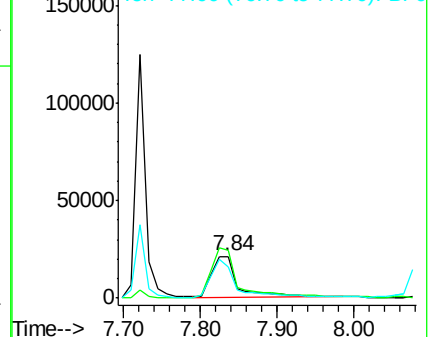
77 76.0 71.8 111.8

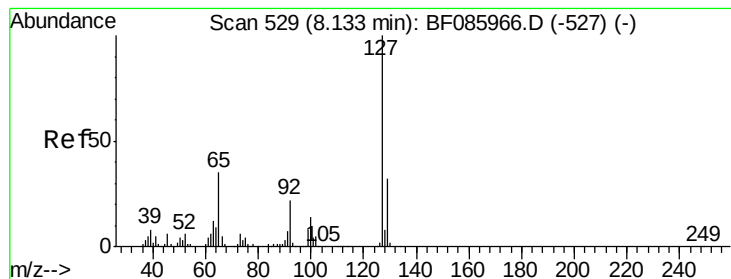


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 8.70 ng

RT: 8.14 min Scan# 530

Delta R.T. 0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:127 Resp: 70418

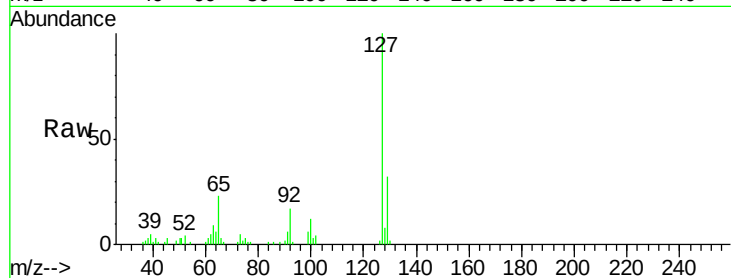
Ion Ratio Lower Upper

127 100

129 32.1 26.1 39.1

65 23.1 19.5 29.3

92 17.1 14.6 22.0

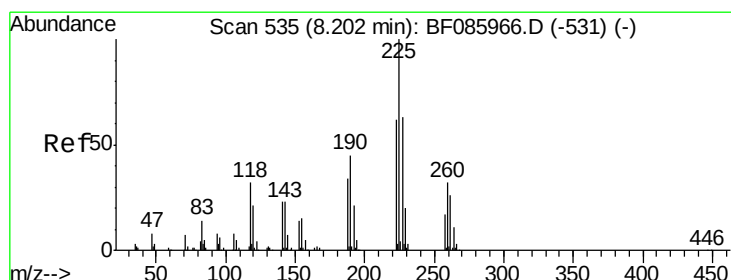
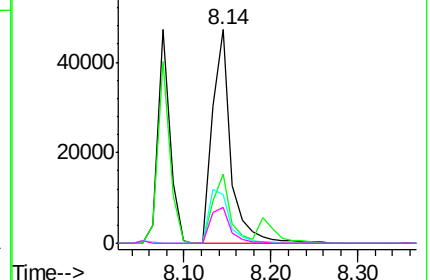
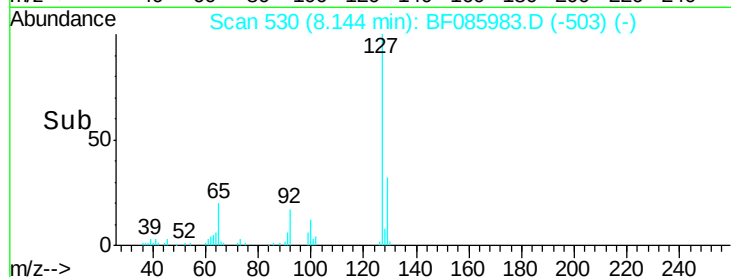


Abundance Ion 127.00 (126.70 to 127.70): E

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: 15.53 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

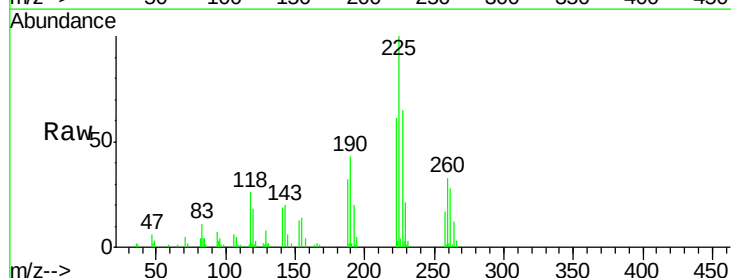
Tgt Ion:225 Resp: 50292

Ion Ratio Lower Upper

225 100

223 61.0 50.4 75.6

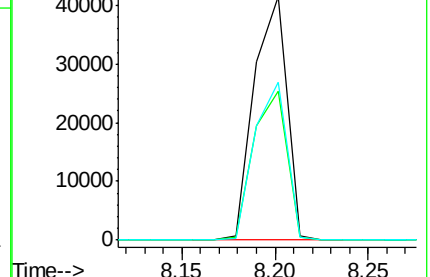
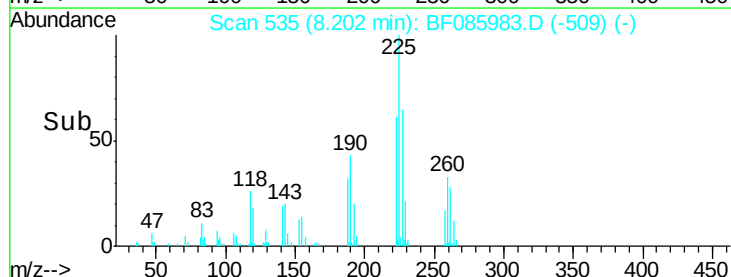
227 64.7 51.4 77.2

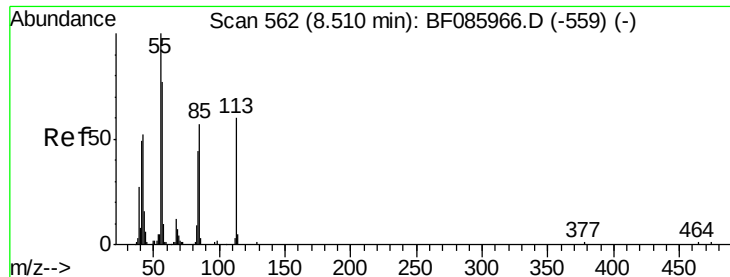


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

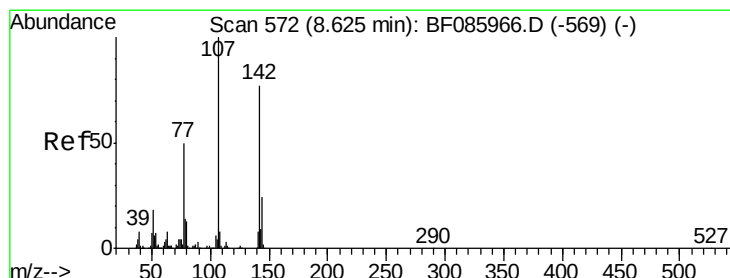
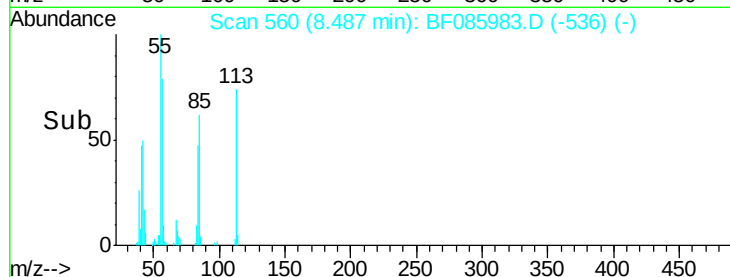
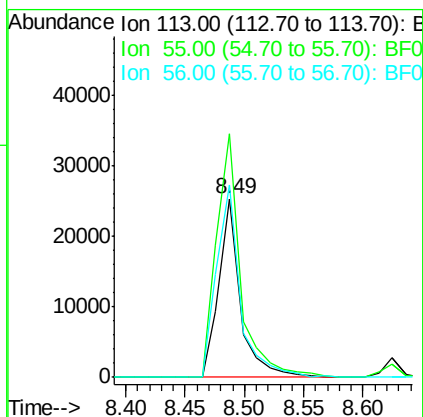
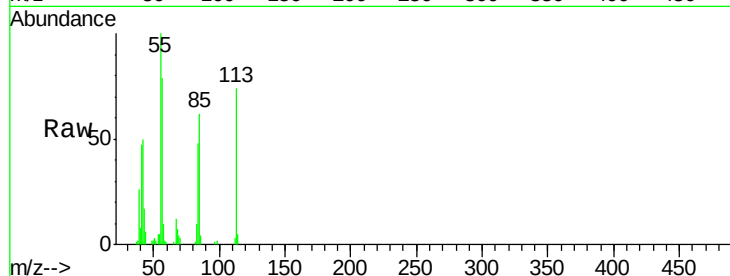




#35
 Caprolactam
 Concen: 18.66 ng
 RT: 8.49 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

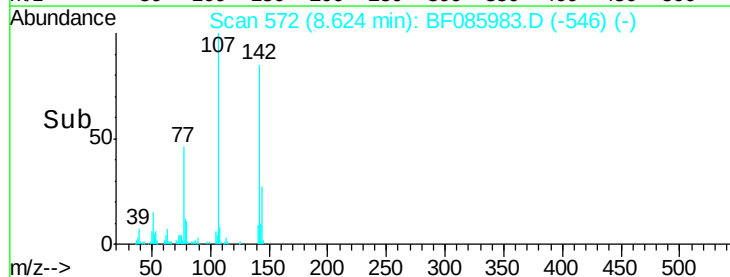
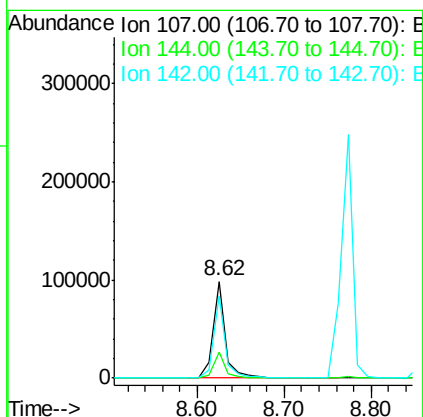
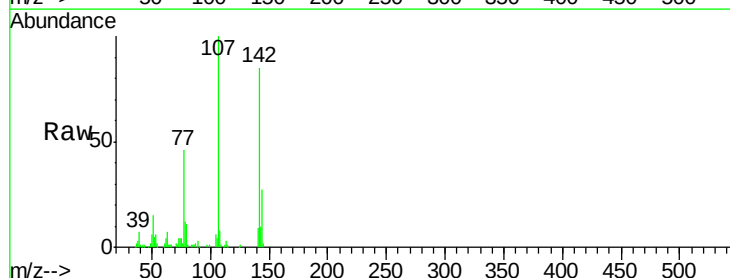
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

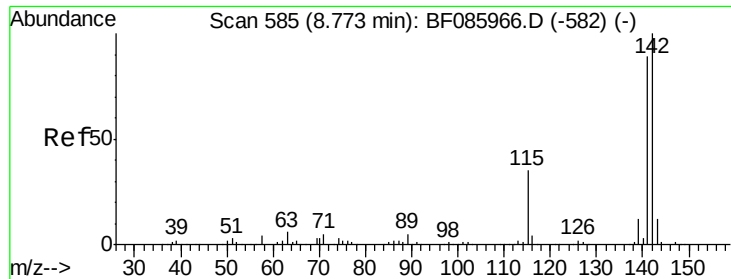
Tot Ion:113 Resp: 31768
 Ion Ratio Lower Upper
 113 100
 55 136.0 139.4 179.4#
 56 107.6 100.4 140.4



#36
 4-Chloro-3-methylphenol
 Concen: 16.39 ng
 RT: 8.62 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:107 Resp: 98862
 Ion Ratio Lower Upper
 107 100
 144 27.2 19.3 28.9
 142 85.4 61.4 92.0

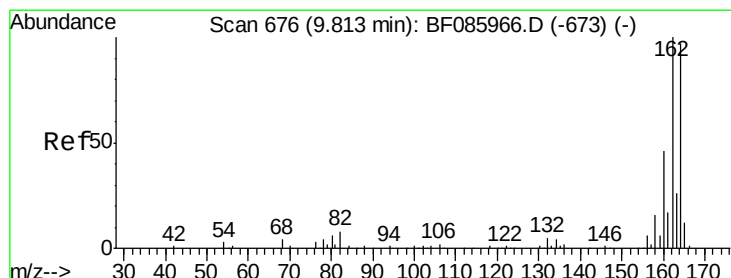
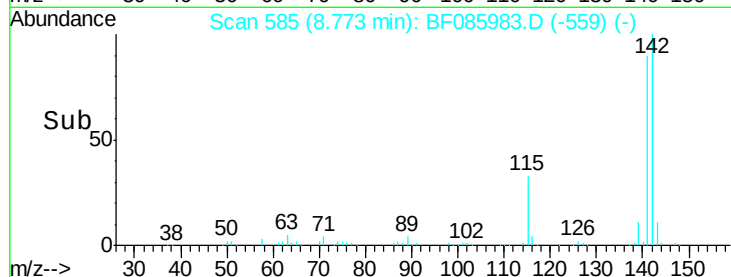
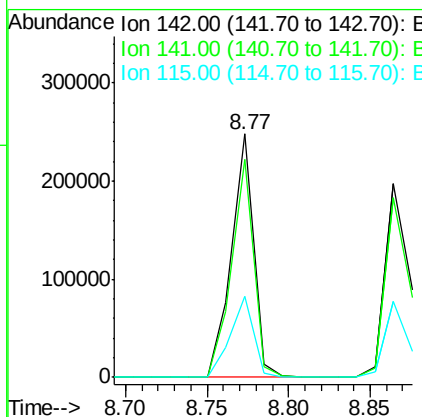
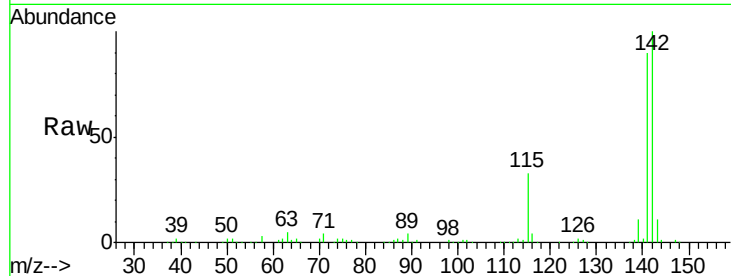




#37
2-Methylnaphthalene
Concen: 17.85 ng
RT: 8.77 min Scan# 585
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

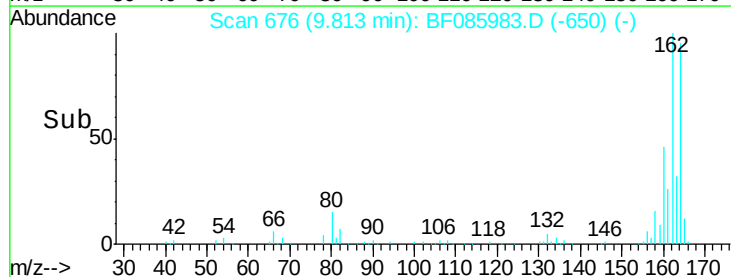
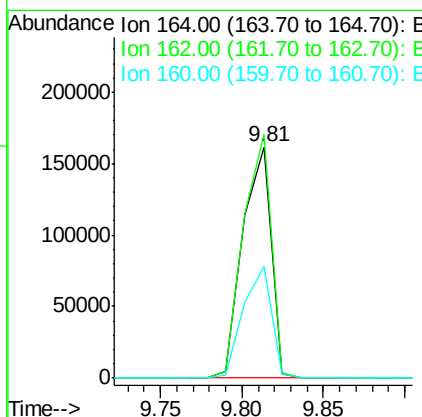
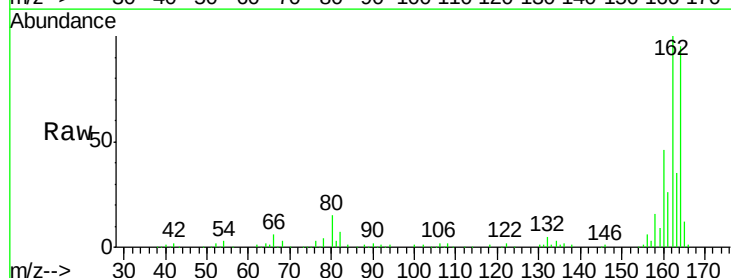
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

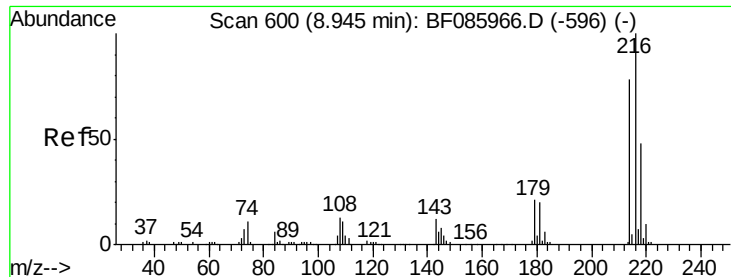
Tot Ion:142 Resp: 233597
Ion Ratio Lower Upper
142 100
141 89.7 71.6 107.4
115 33.4 26.8 40.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion:164 Resp: 194662
Ion Ratio Lower Upper
164 100
162 105.2 82.1 123.1
160 48.5 37.4 56.2

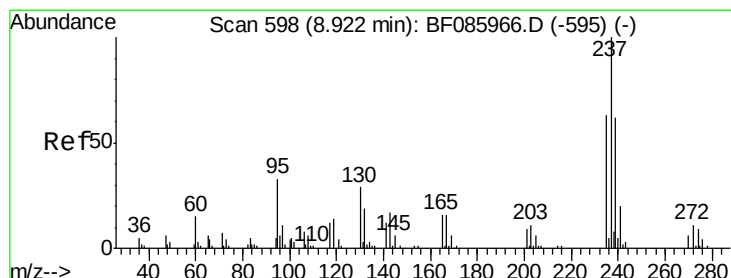
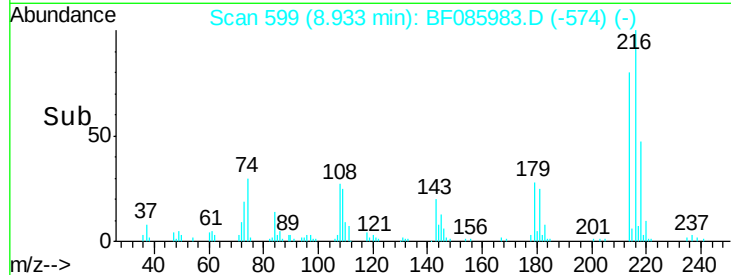
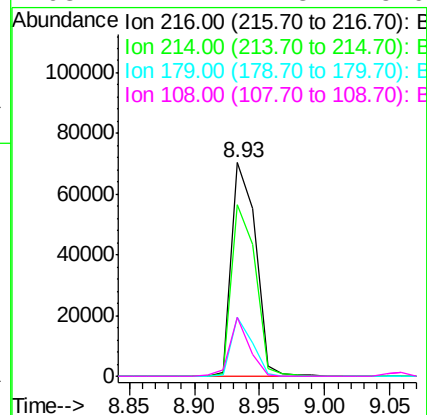
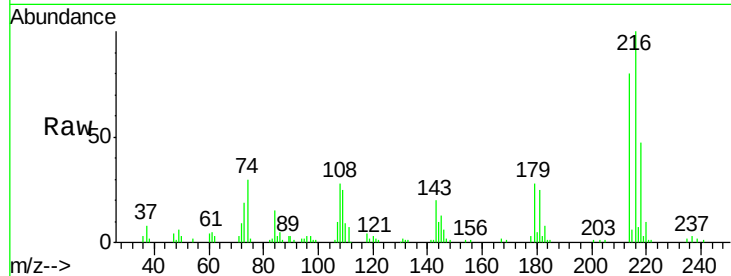




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 15.47 ng
 RT: 8.93 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

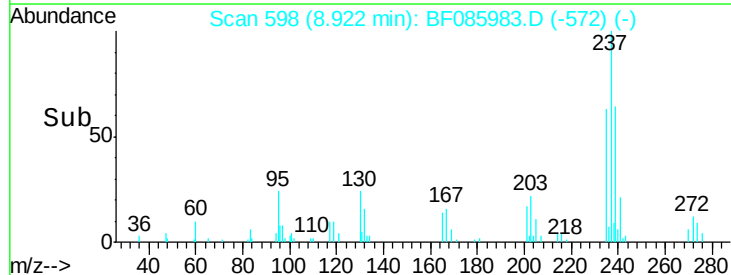
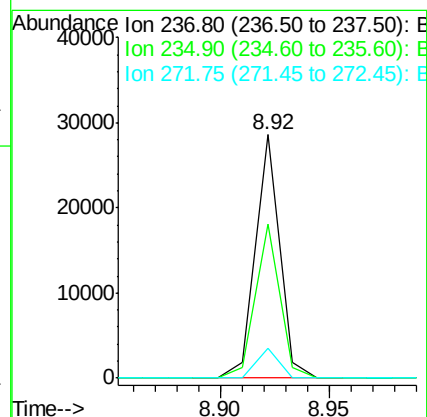
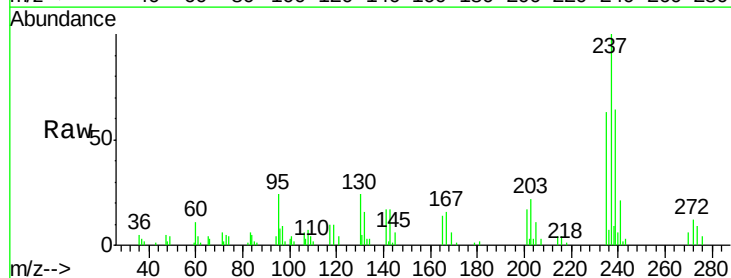
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

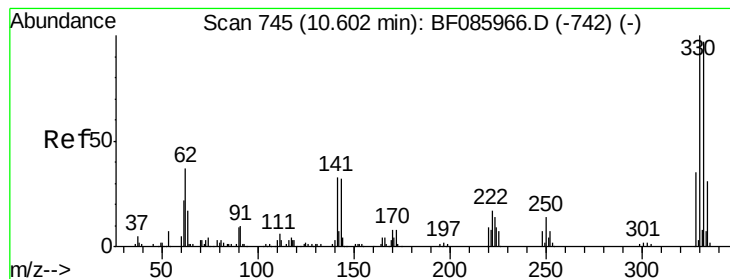
Tot Ion:216	Resp:	90502
Ion Ratio	Lower	Upper
216	100	
214	79.0	63.1 94.7
179	23.7	18.2 27.2
108	22.4	17.3 25.9



#40
 Hexachlorocyclopentadiene
 Concen: 18.61 ng
 RT: 8.92 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:237	Resp:	22190
Ion Ratio	Lower	Upper
237	100	
235	63.1	43.7 83.7
272	12.1	0.0 31.9

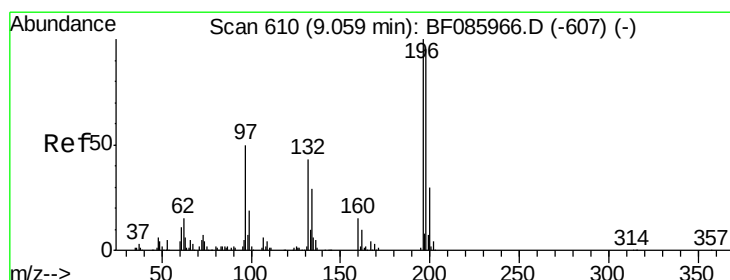
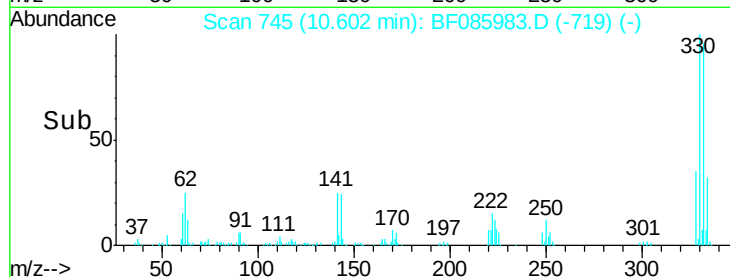
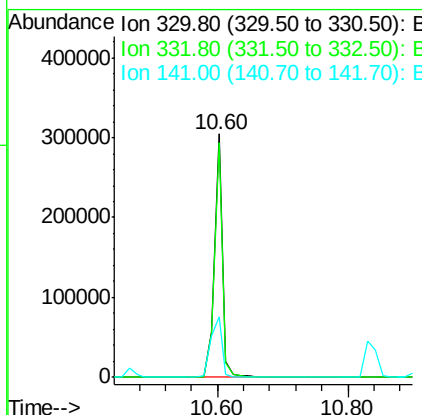
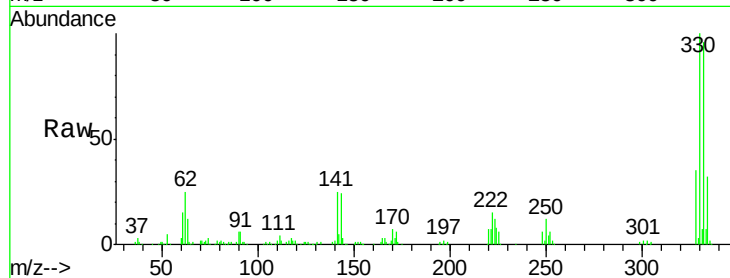




#41
 2,4,6-Tribromophenol
 Concen: 147.86 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

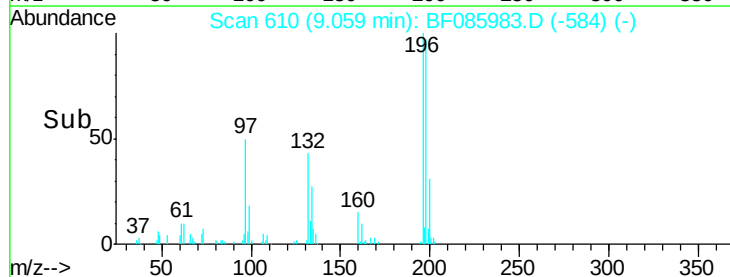
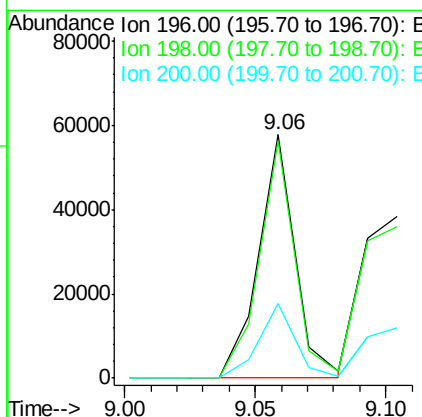
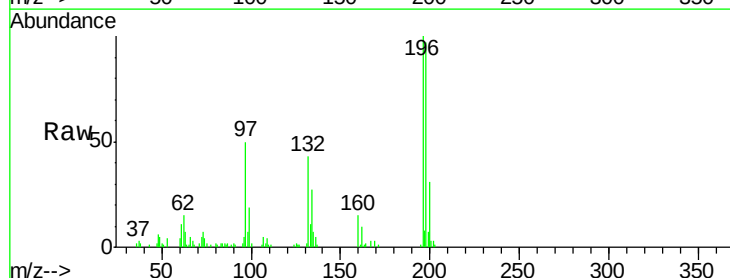
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

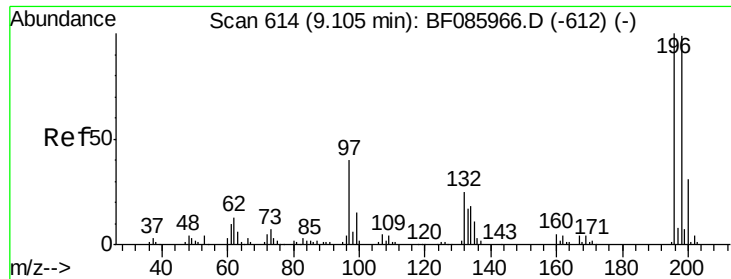
Tot Ion:330 Resp: 270146
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.2 117.2
 141 34.6 31.5 47.3



#42
 2,4,6-Trichlorophenol
 Concen: 14.85 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:196 Resp: 55805
 Ion Ratio Lower Upper
 196 100
 198 97.5 75.3 112.9
 200 30.8 23.7 35.5

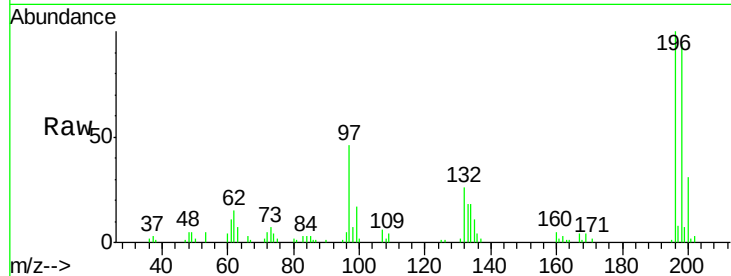




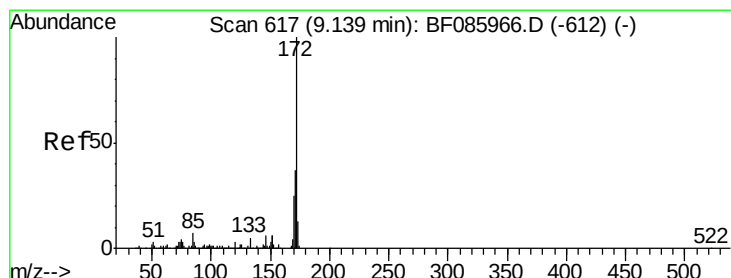
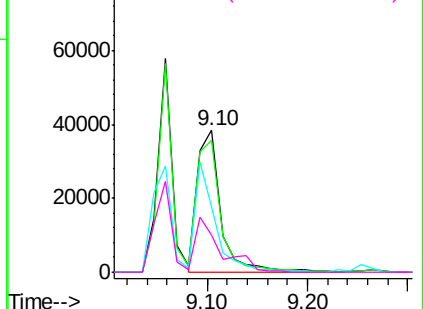
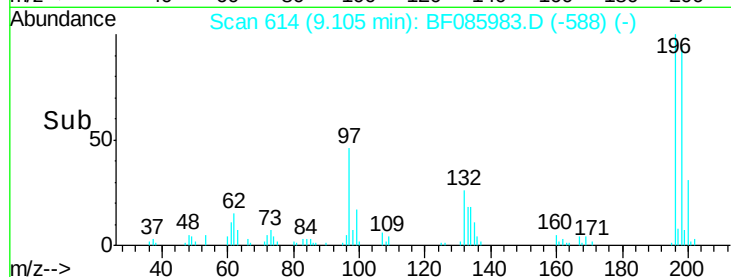
#43
 2,4,5-Trichlorophenol
 Concen: 16.57 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion:196 Resp: 63211
 Ion Ratio Lower Upper
 196 100
 198 93.5 76.6 114.8
 97 45.8 30.5 45.7#
 132 26.4 20.2 30.2

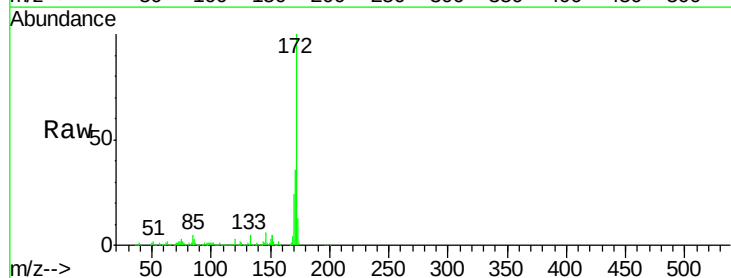


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

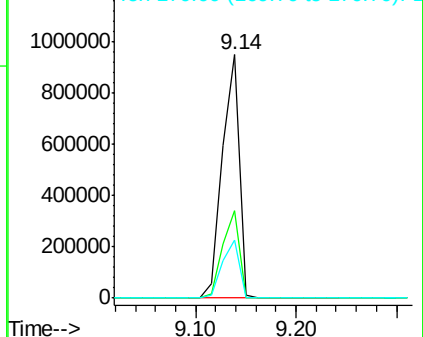
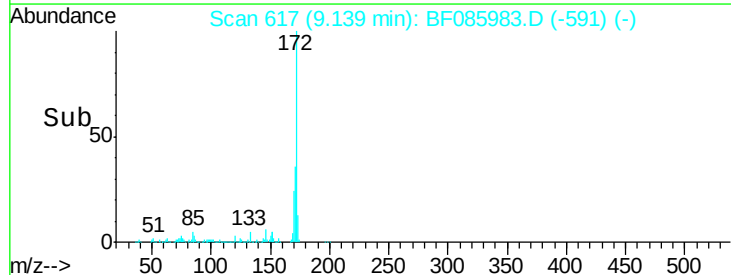


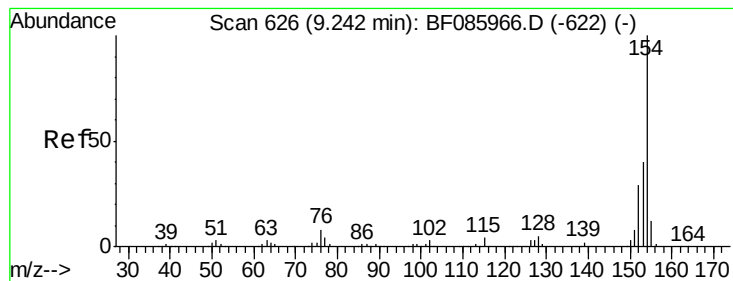
#44
 2-Fluorobiphenyl
 Concen: 94.85 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:172 Resp: 1110426
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.2
 170 24.0 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 16.75 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

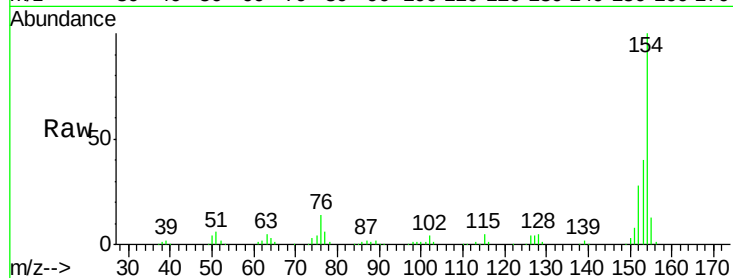
Tot Ion:154 Resp: 281221

Ion Ratio Lower Upper

154 100

153 39.9 20.8 60.8

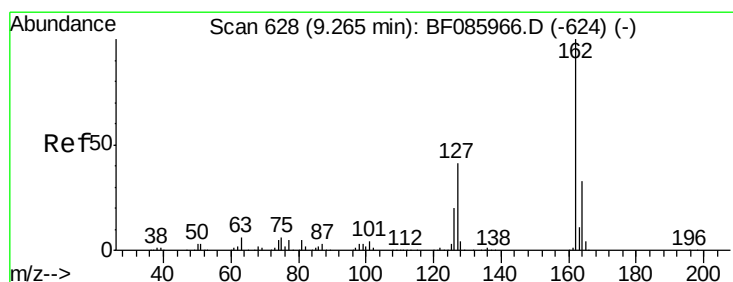
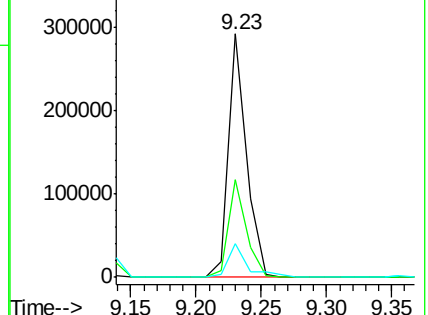
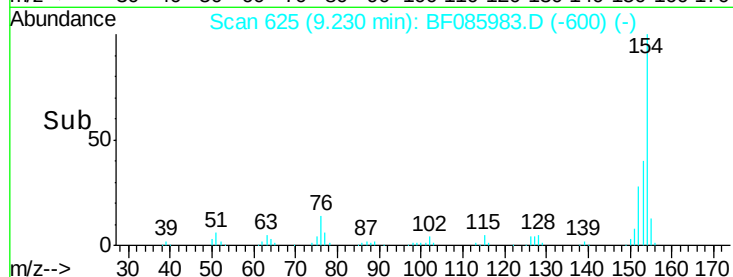
76 14.0 0.0 36.7



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



#46

2-Chloronaphthalene

Concen: 16.17 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

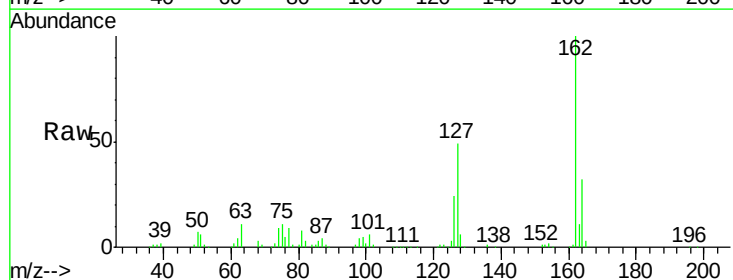
Tgt Ion:162 Resp: 196757

Ion Ratio Lower Upper

162 100

127 49.4 31.7 47.5#

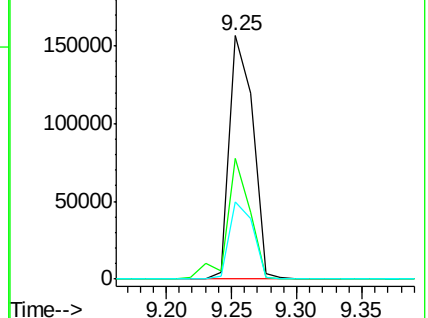
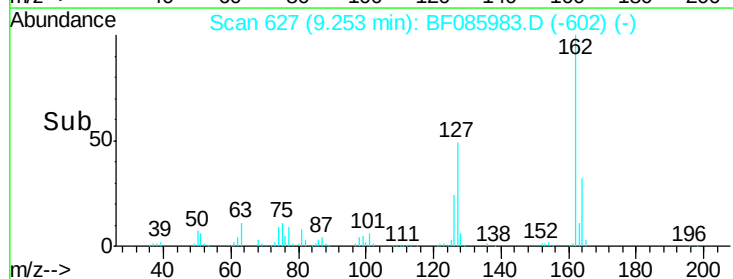
164 31.8 27.3 40.9

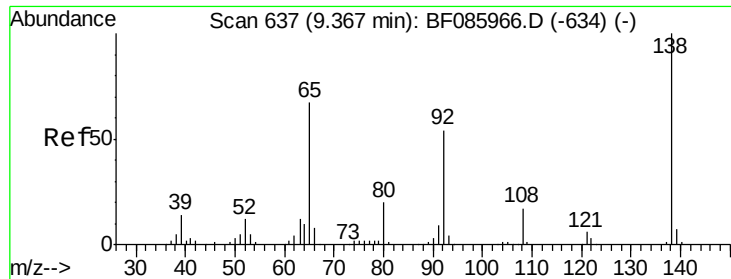


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

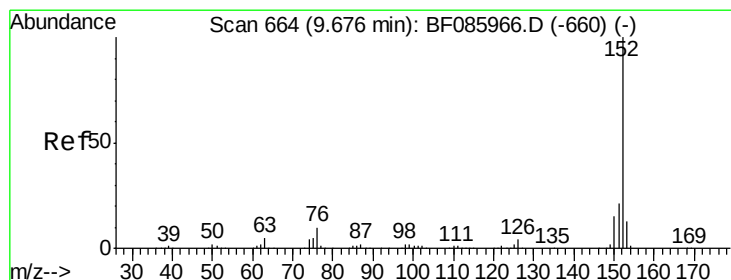
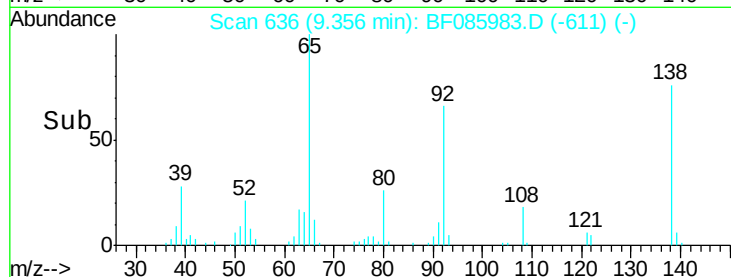
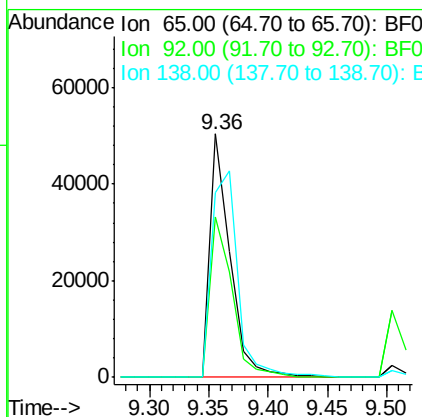
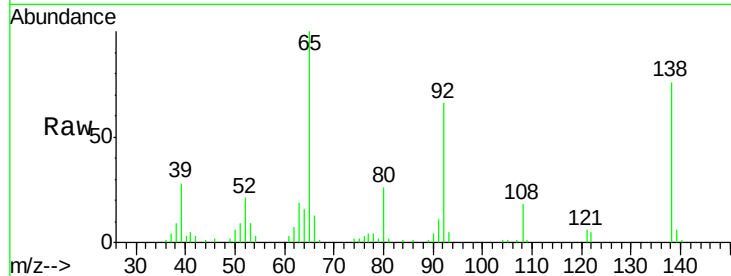




#47
2-Nitroaniline
Concen: 16.74 ng
RT: 9.36 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

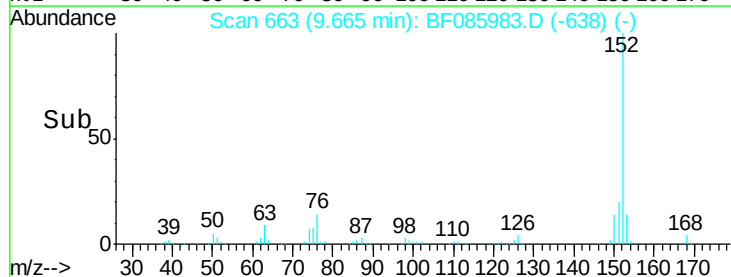
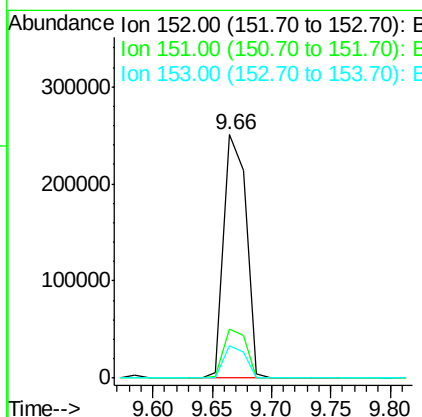
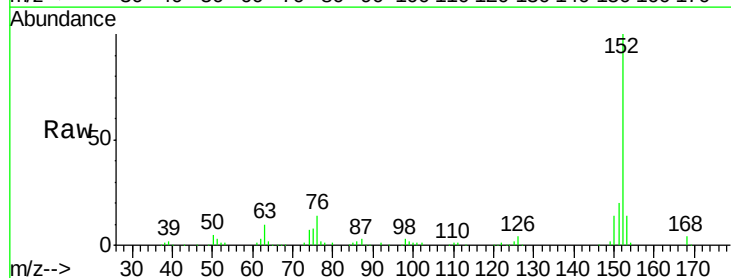
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

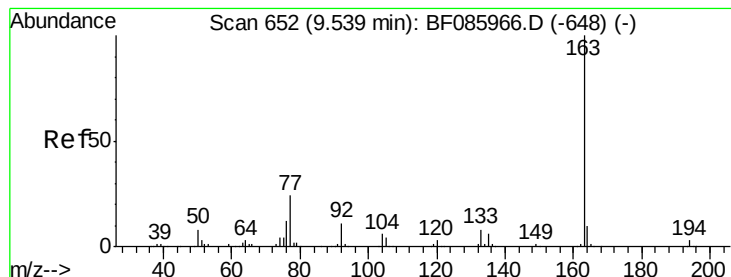
Tot Ion: 65 Resp: 59577
Ion Ratio Lower Upper
65 100
92 66.1 59.7 89.5
138 75.8 91.4 137.0#



#48
Acenaphthylene
Concen: 16.79 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion:152 Resp: 327161
Ion Ratio Lower Upper
152 100
151 20.3 16.8 25.2
153 13.5 10.9 16.3





#49

Dimethylphthalate

Concen: 16.66 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

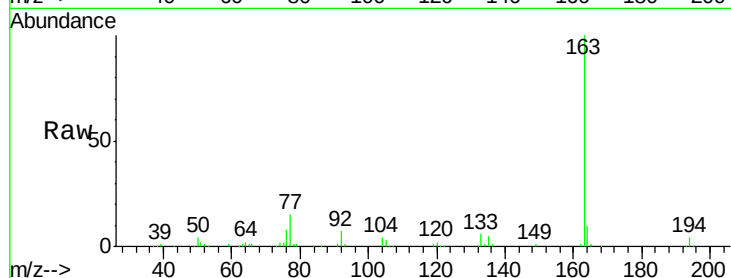
Tot Ion:163 Resp: 240419

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

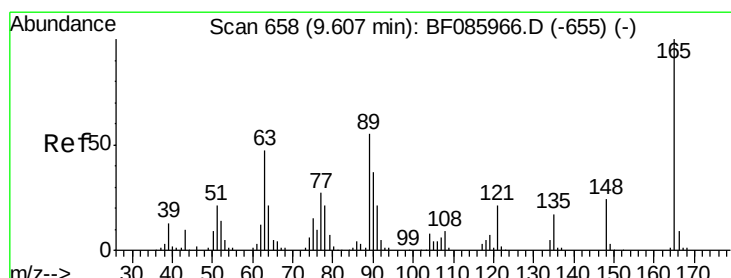
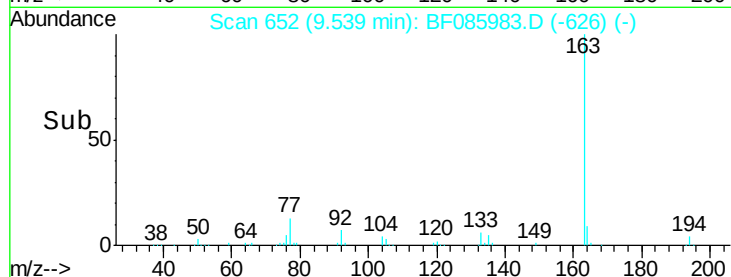
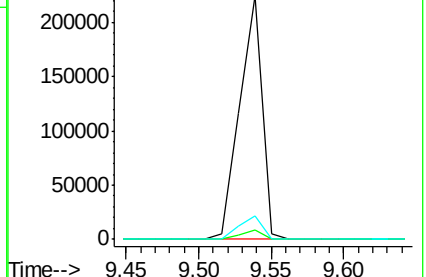
164 9.7 8.3 12.5



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: 16.17 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

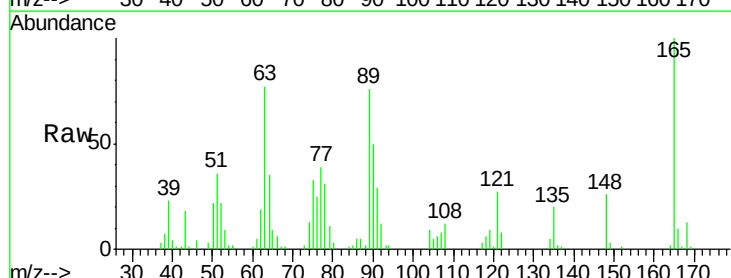
Tgt Ion:165 Resp: 49352

Ion Ratio Lower Upper

165 100

63 76.6 51.8 77.8

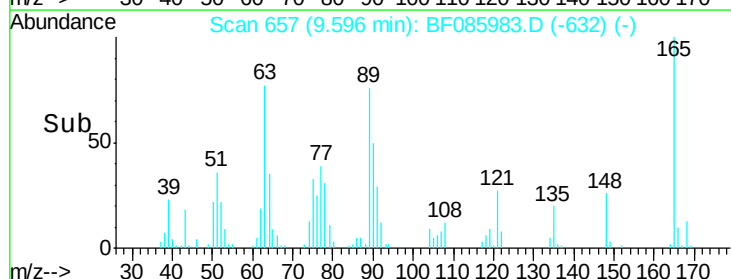
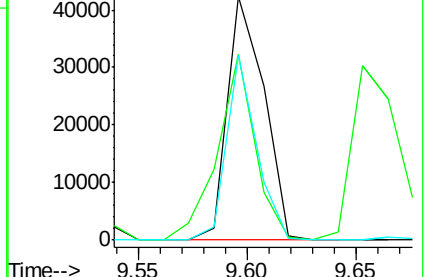
89 75.9 53.7 80.5

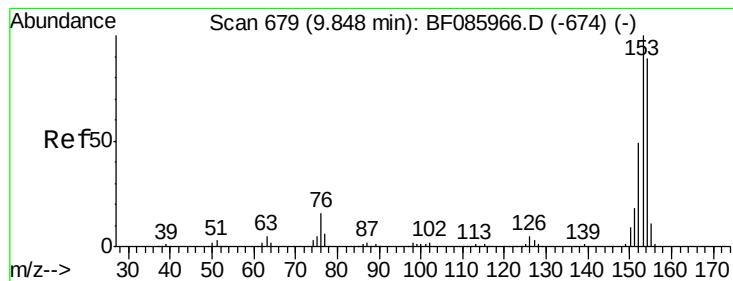


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 16.59 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

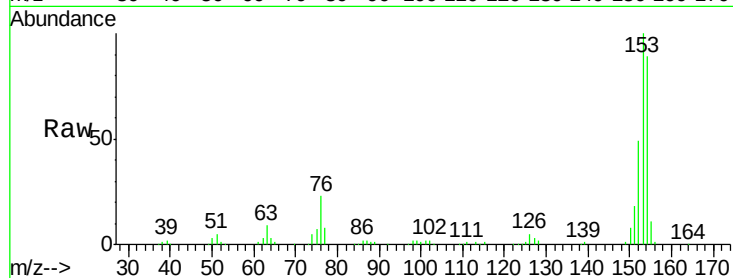
Tot Ion:154 Resp: 192338

Ion Ratio Lower Upper

154 100

153 112.0 90.1 135.1

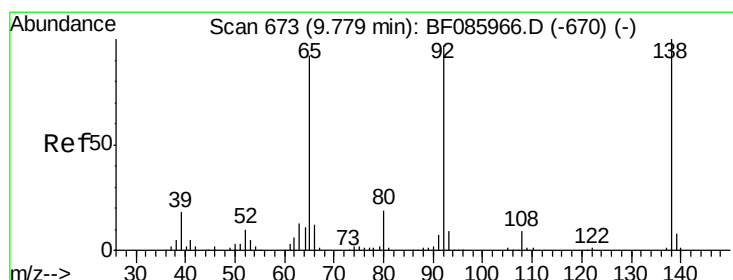
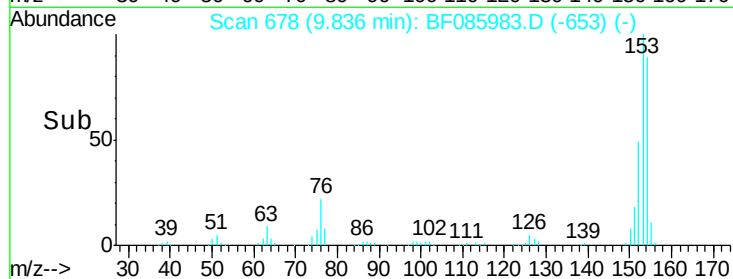
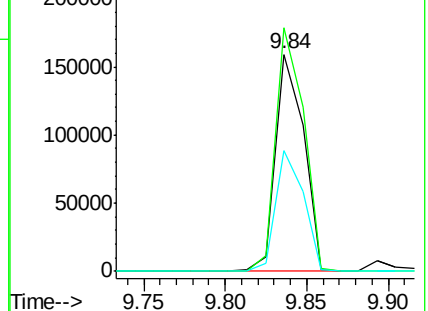
152 55.3 44.2 66.2



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



#52

3-Nitroaniline

Concen: 11.32 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

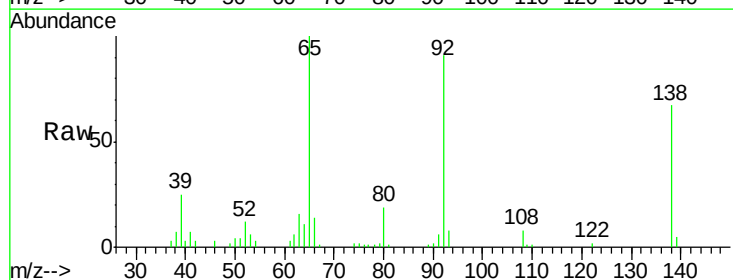
Tgt Ion:138 Resp: 41651

Ion Ratio Lower Upper

138 100

108 11.9 8.7 13.1

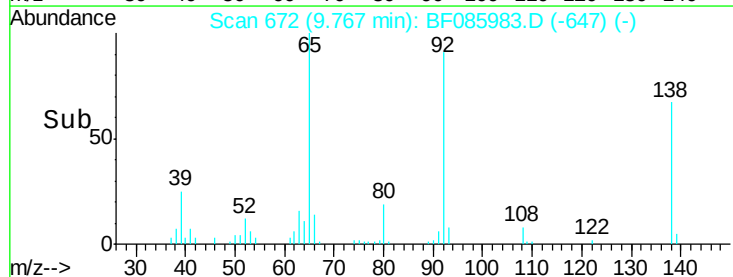
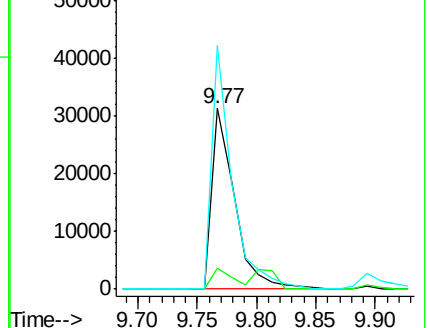
92 134.7 93.3 139.9

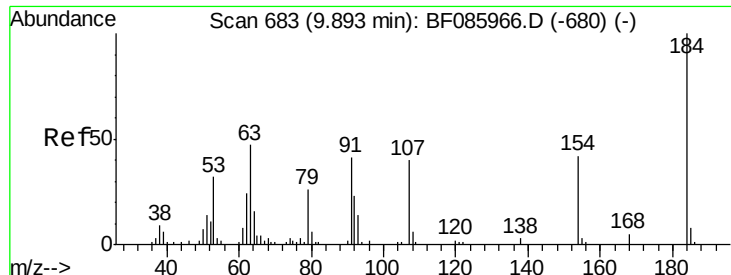


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

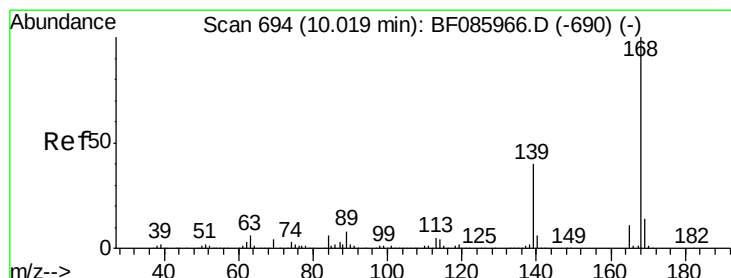
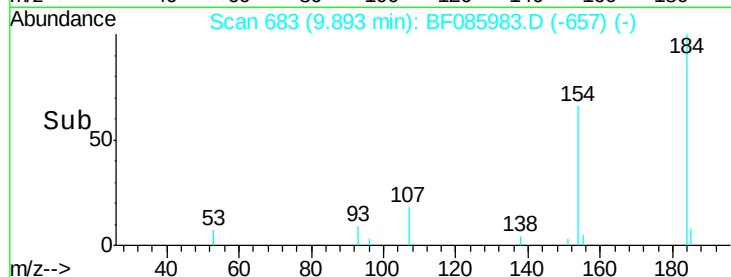
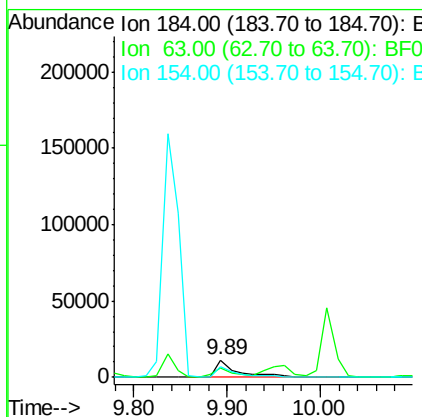
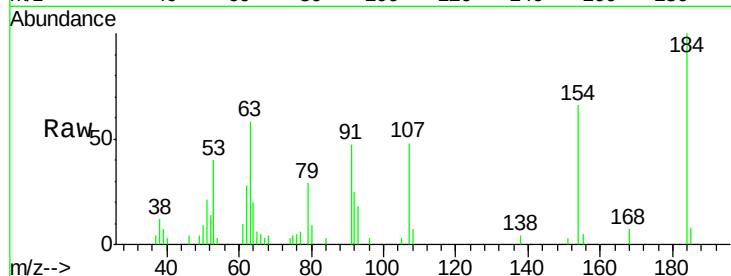




#53
 2,4-Dinitrophenol
 Concen: 16.02 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

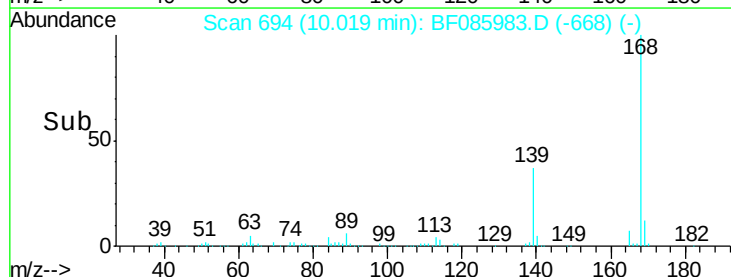
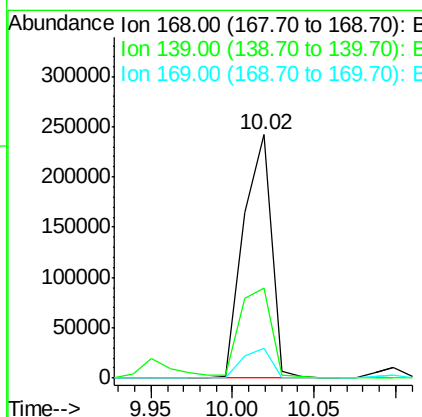
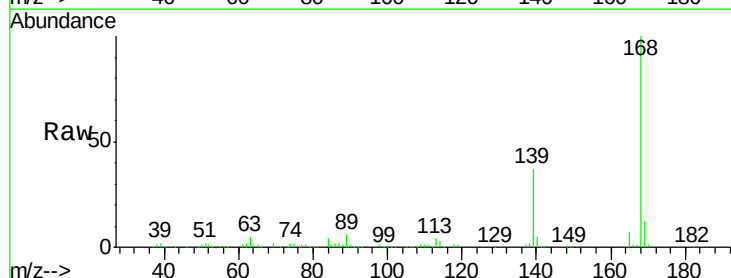
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

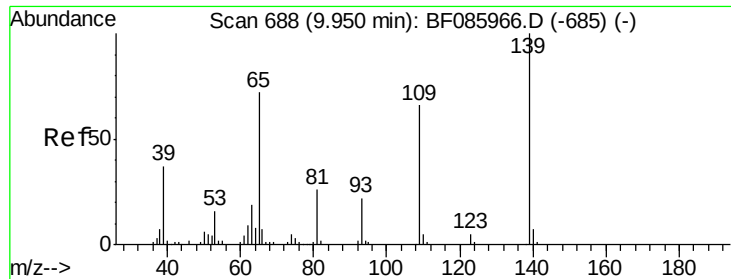
Tot Ion:184 Resp: 17555
 Ion Ratio Lower Upper
 184 100
 63 58.4 69.5 104.3#
 154 65.7 58.3 87.5



#54
 Dibenzofuran
 Concen: 18.69 ng
 RT: 10.02 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:168 Resp: 286154
 Ion Ratio Lower Upper
 168 100
 139 36.8 31.9 47.9
 169 12.5 11.0 16.6

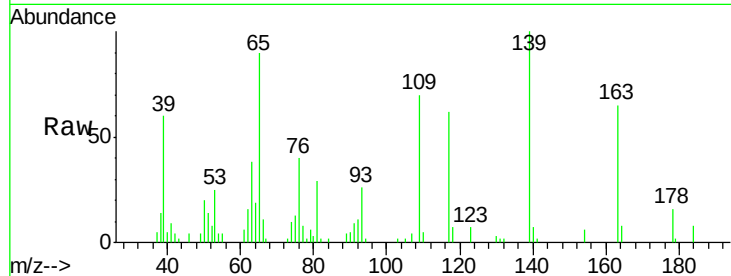




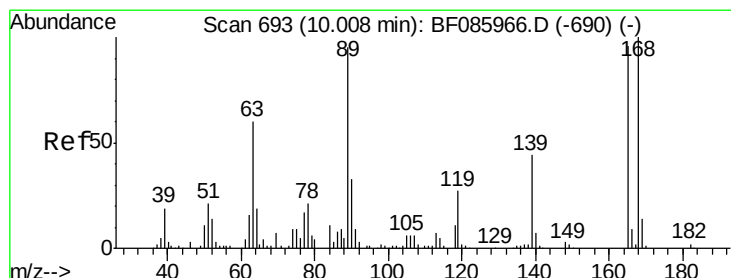
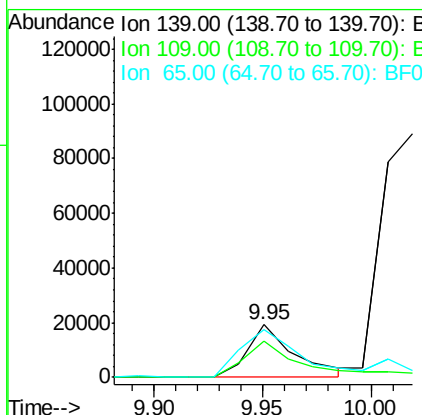
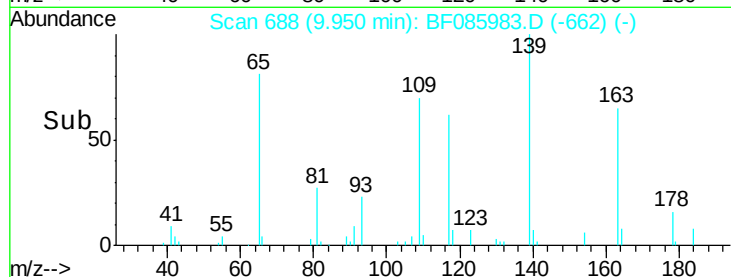
#55
4-Nitrophenol
Concen: 13.40 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion:139 Resp: 29070
Ion Ratio Lower Upper
139 100
109 69.7 49.2 89.2
65 89.5 66.9 106.9

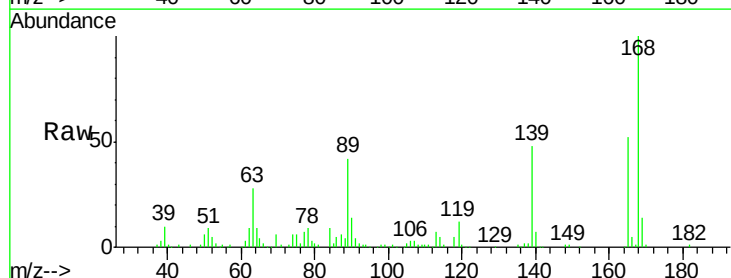


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

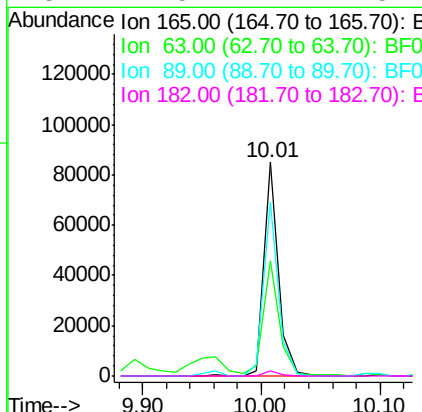
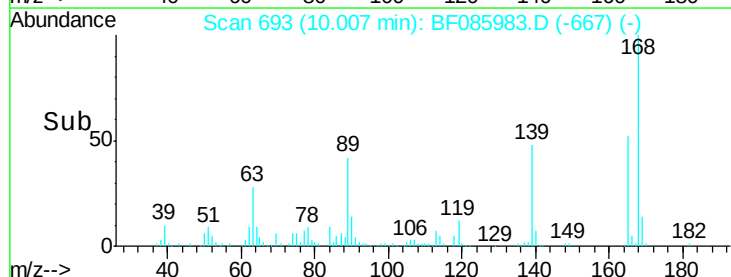


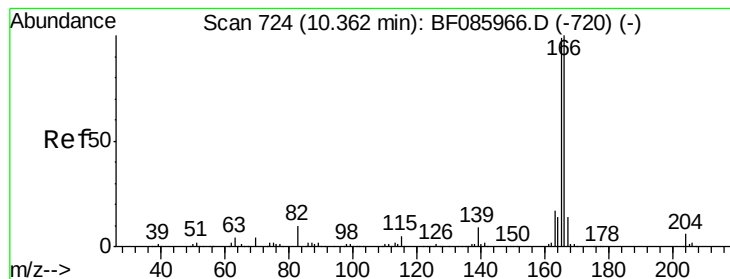
#56
2,4-Dinitrotoluene
Concen: 18.82 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion:165 Resp: 72577
Ion Ratio Lower Upper
165 100
63 53.8 24.9 37.3#
89 81.4 41.0 61.6#
182 2.5 2.1 3.1



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 17.45 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

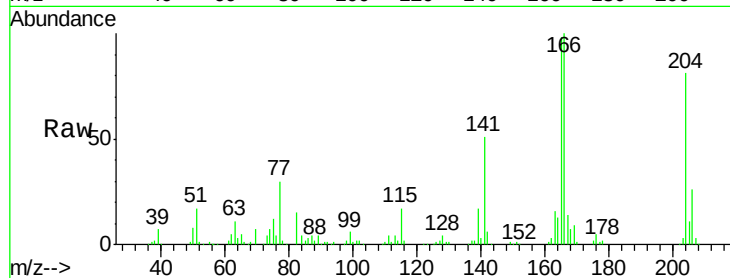
Tot Ion:166 Resp: 228176

Ion Ratio Lower Upper

166 100

165 97.8 79.4 119.0

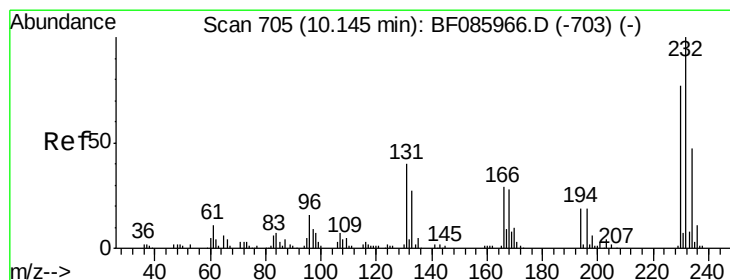
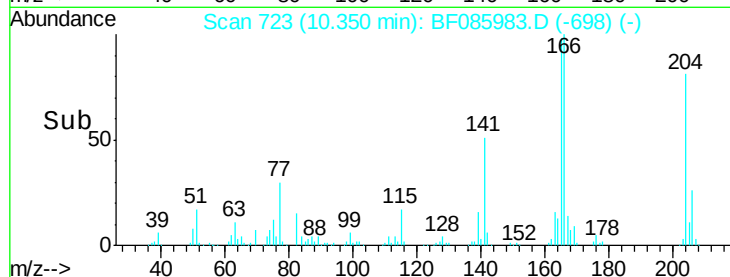
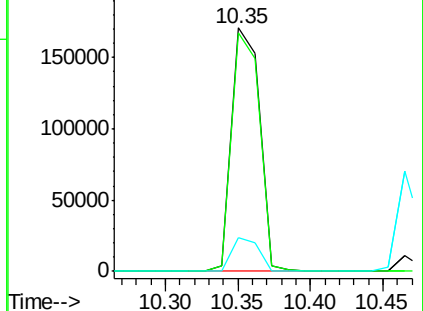
167 14.0 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 17.66 ng

RT: 10.14 min Scan# 705

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Tgt Ion:232 Resp: 50148

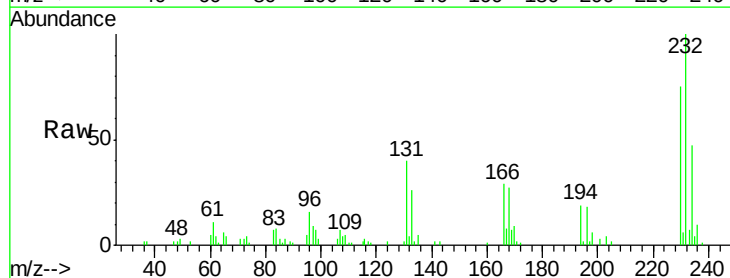
Ion Ratio Lower Upper

232 100

131 59.0 44.9 67.3

130 2.8 2.3 3.5

166 34.8 28.1 42.1

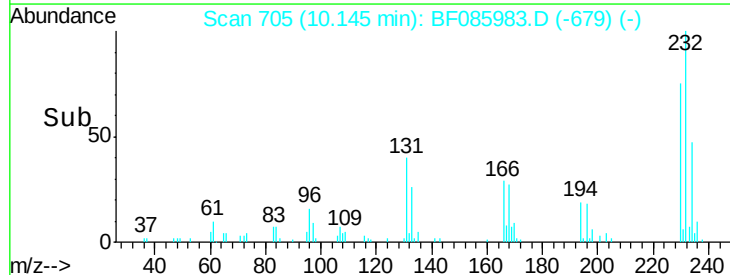
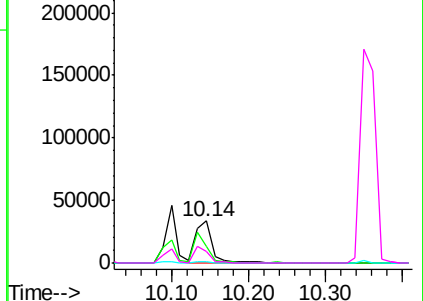


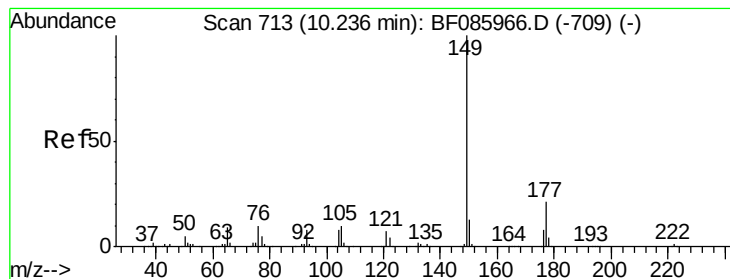
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 17.42 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

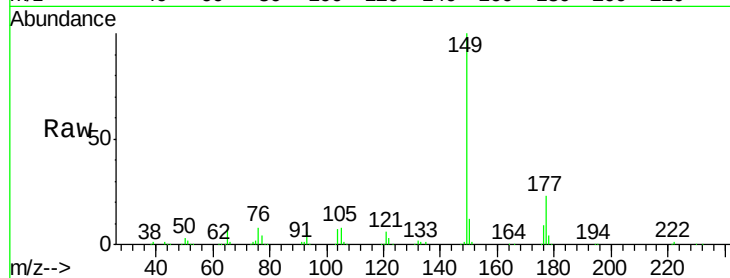
Tot Ion:149 Resp: 253683

Ion Ratio Lower Upper

149 100

177 22.8 17.9 26.9

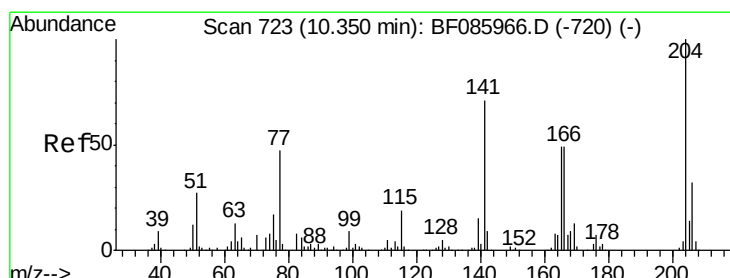
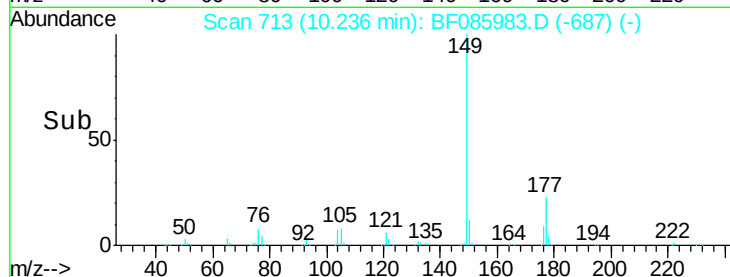
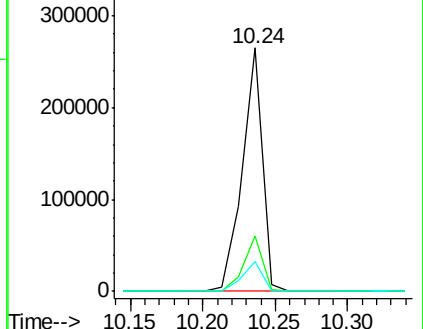
150 12.2 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 18.66 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

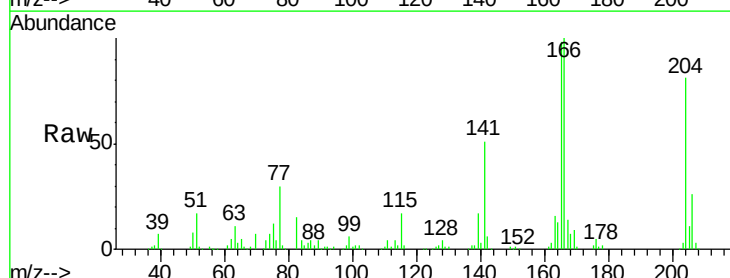
Tgt Ion:204 Resp: 113666

Ion Ratio Lower Upper

204 100

206 31.9 26.6 39.8

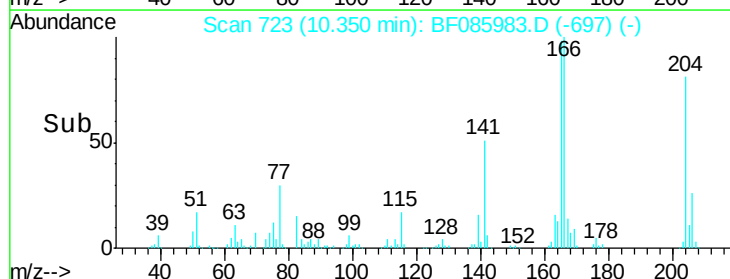
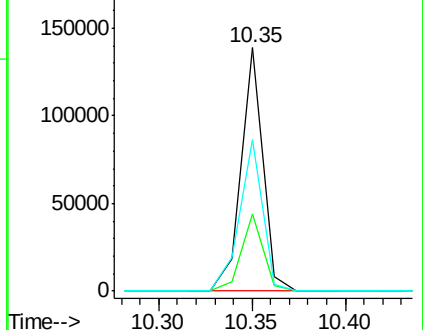
141 62.3 57.4 86.0

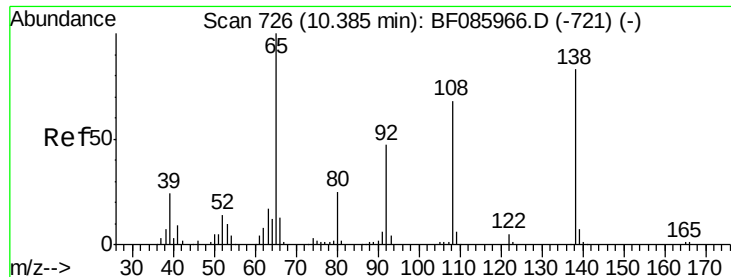


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

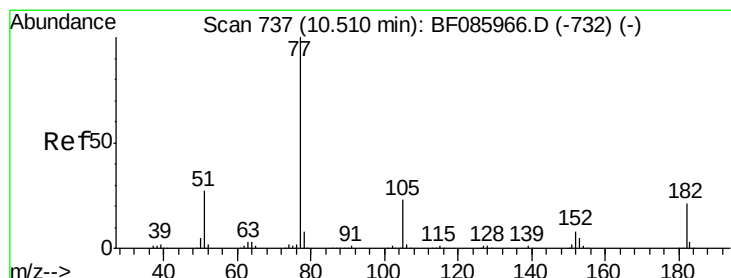
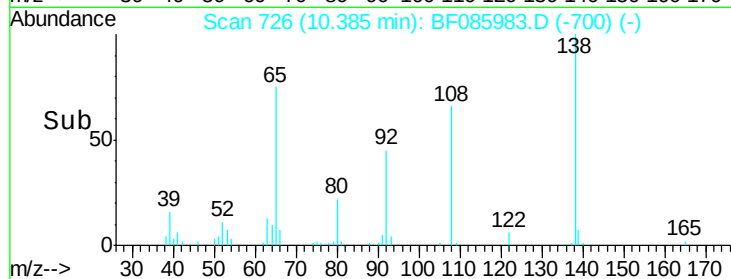
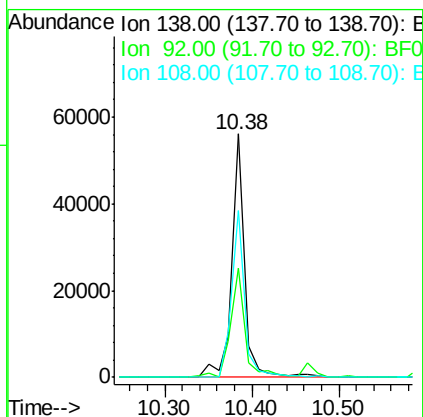
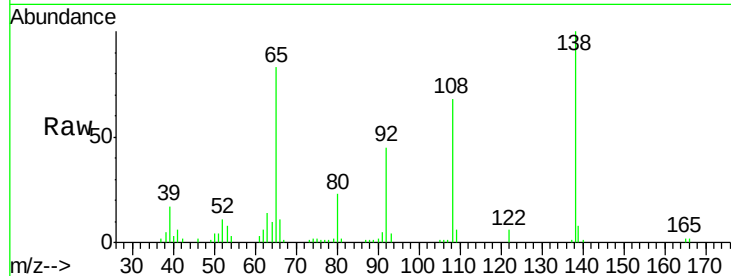




#61
4-Nitroaniline
Concen: 15.84 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

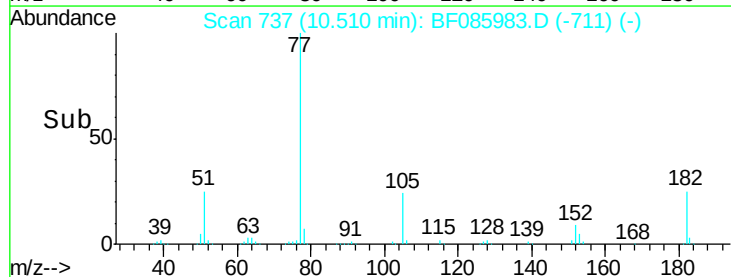
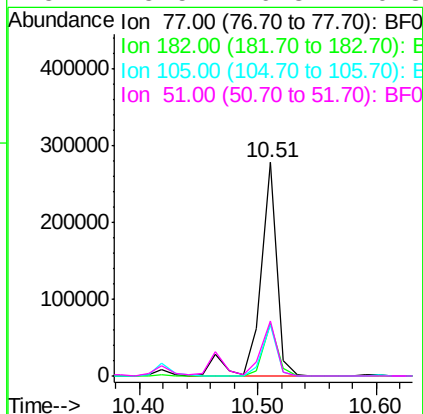
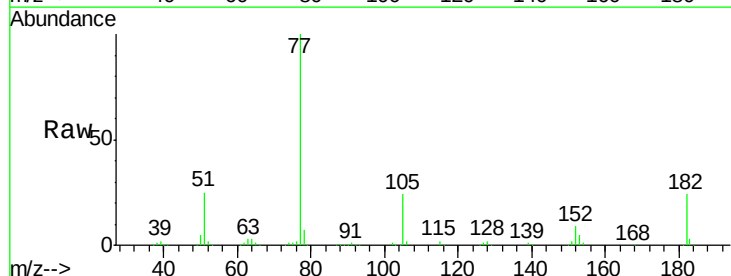
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

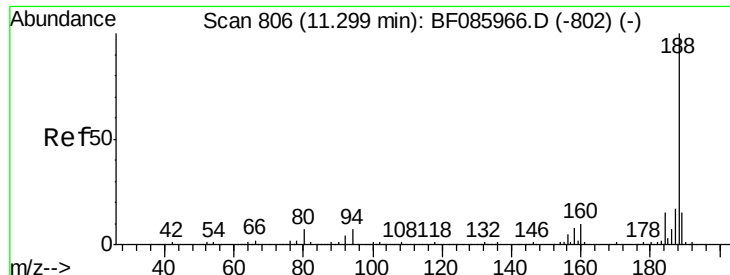
Tot Ion:138 Resp: 57383
Ion Ratio Lower Upper
138 100
92 44.8 26.4 66.4
108 68.5 49.0 89.0



#62
Azobenzene
Concen: 19.74 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion: 77 Resp: 275326
Ion Ratio Lower Upper
77 100
182 24.5 1.9 41.9
105 23.7 3.5 43.5
51 25.5 6.3 46.3

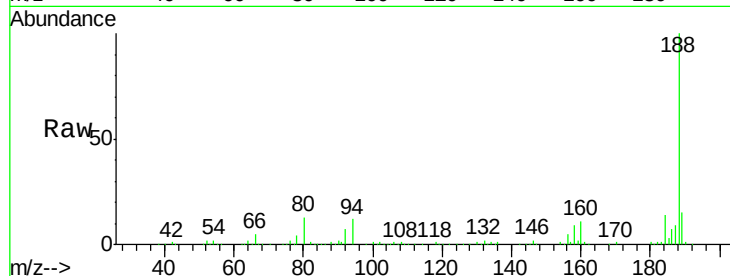




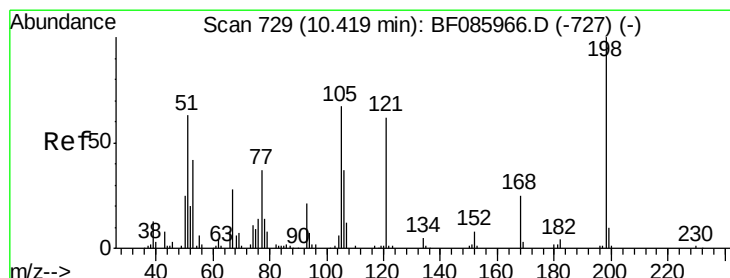
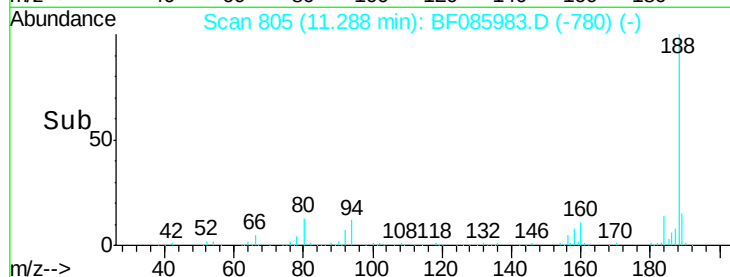
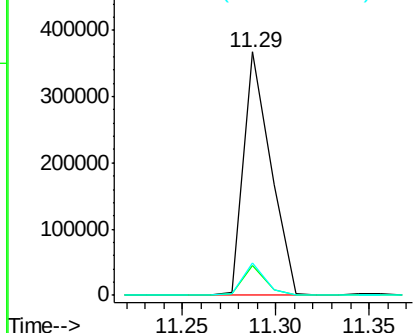
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion:188 Resp: 373170
Ion Ratio Lower Upper
188 100
94 12.2 5.4 8.0#
80 13.4 5.5 8.3#

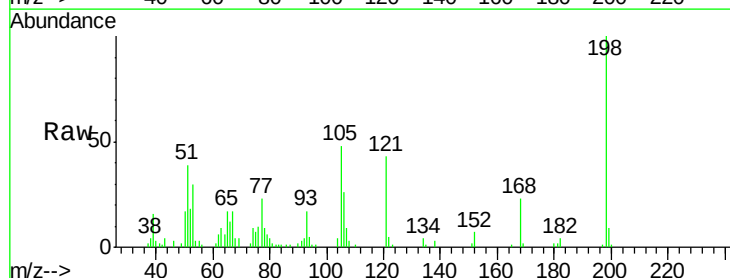


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

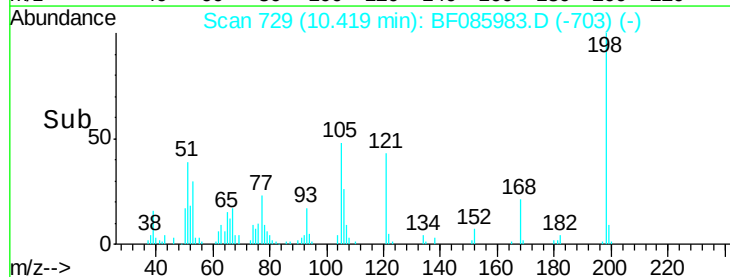
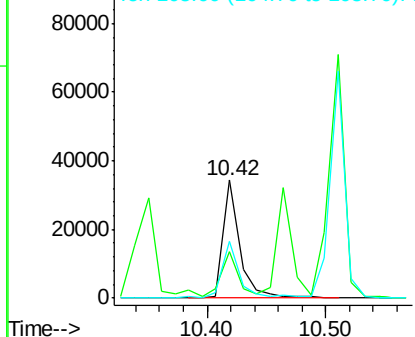


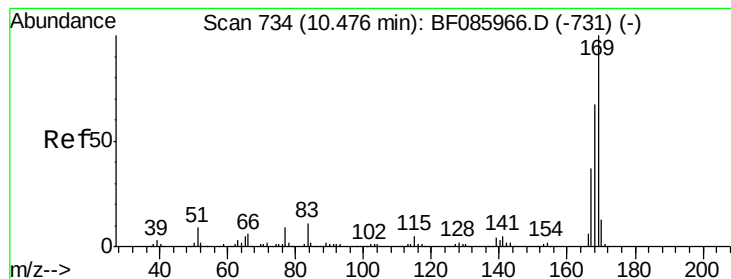
#64
4,6-Dinitro-2-methylphenol
Concen: 14.61 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion:198 Resp: 33047
Ion Ratio Lower Upper
198 100
51 39.0 45.4 85.4#
105 48.3 45.9 85.9



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

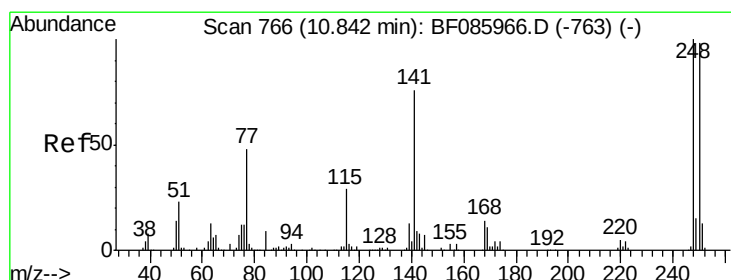
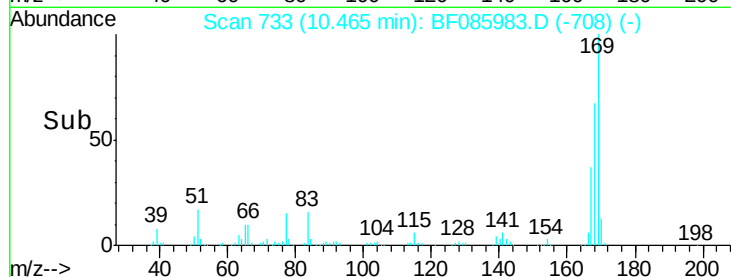
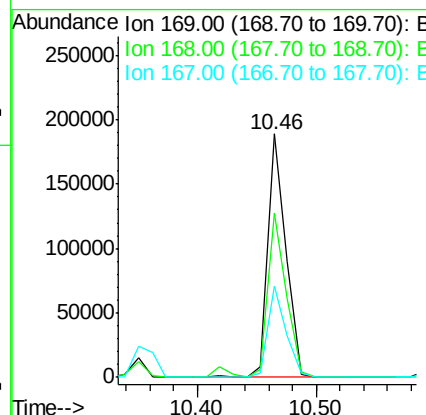
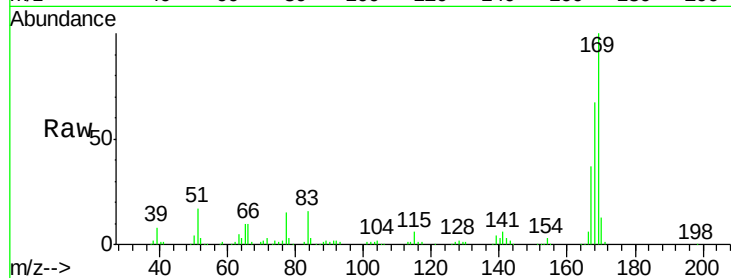




#65
 n-Nitrosodiphenylamine
 Concen: 17.07 ng
 RT: 10.46 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

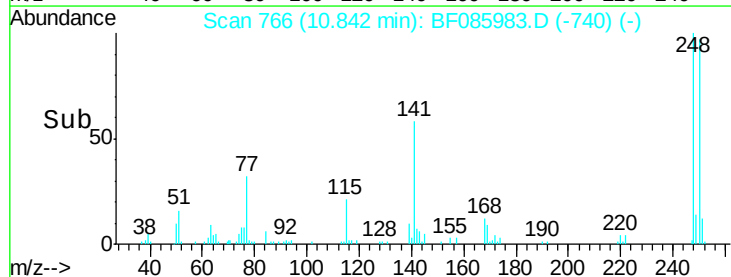
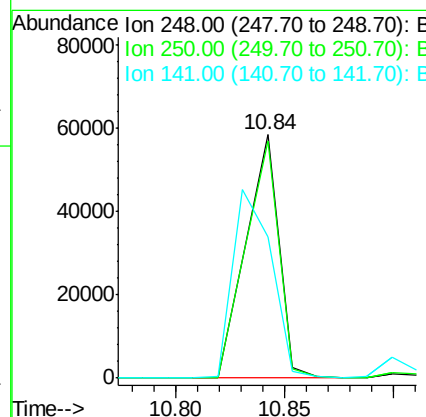
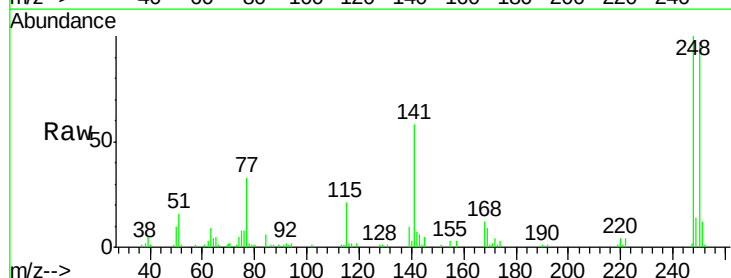
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

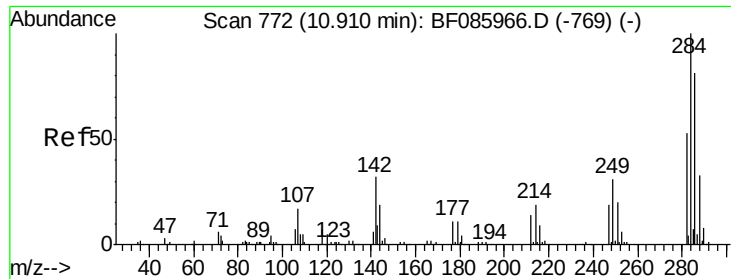
Tot Ion:169 Resp: 199256
 Ion Ratio Lower Upper
 169 100
 168 67.5 54.4 81.6
 167 37.3 29.4 44.0



#66
 4-Bromophenyl-phenylether
 Concen: 16.16 ng
 RT: 10.84 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:248 Resp: 61561
 Ion Ratio Lower Upper
 248 100
 250 97.4 77.4 116.0
 141 57.8 63.6 95.4#

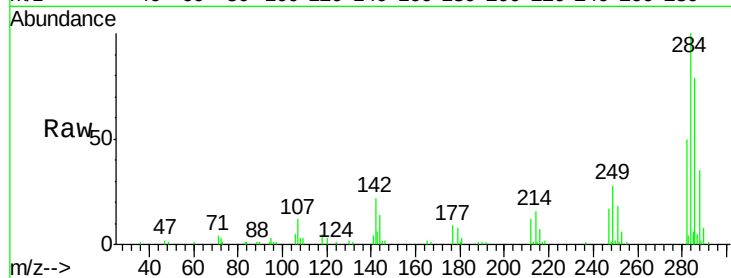




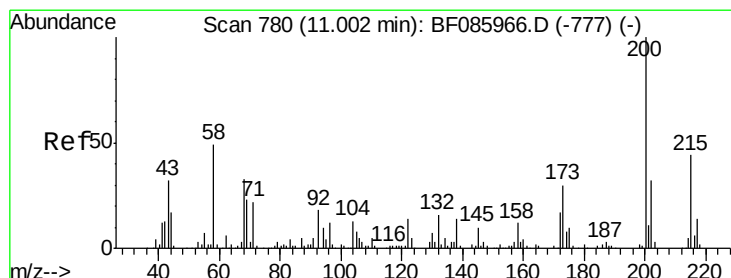
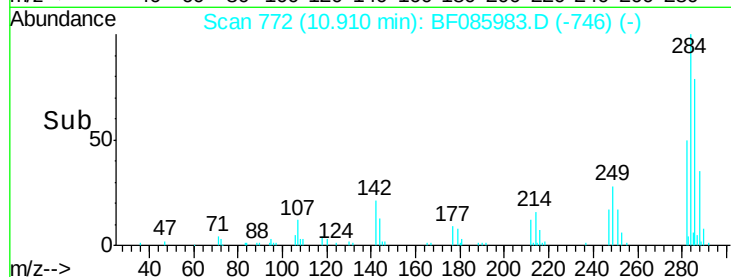
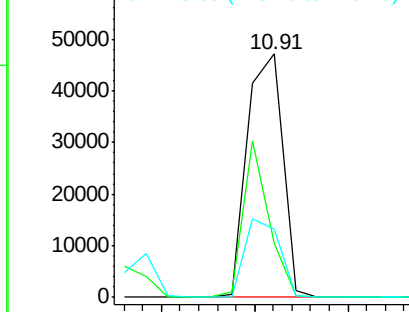
#67
Hexachlorobenzene
Concen: 15.78 ng
RT: 10.91 min Scan# 772
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion:284 Resp: 62178
Ion Ratio Lower Upper
284 100
142 22.4 23.1 34.7#
249 28.3 24.2 36.2

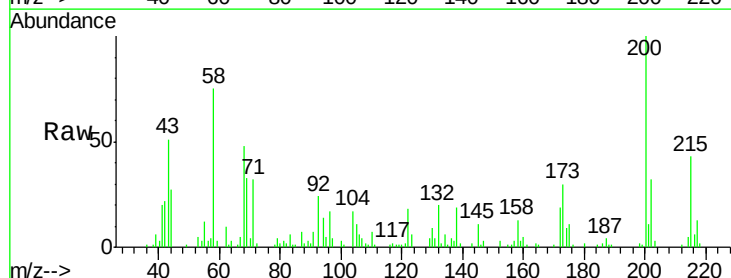


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

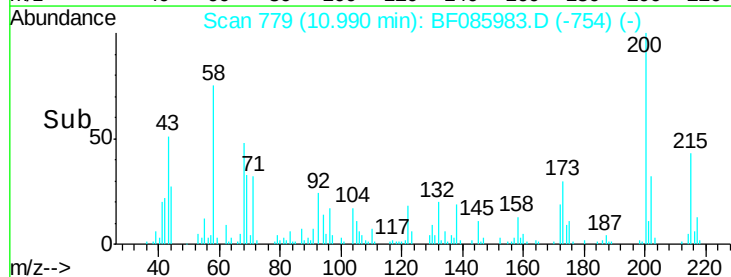
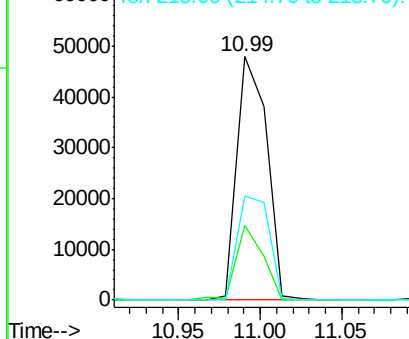


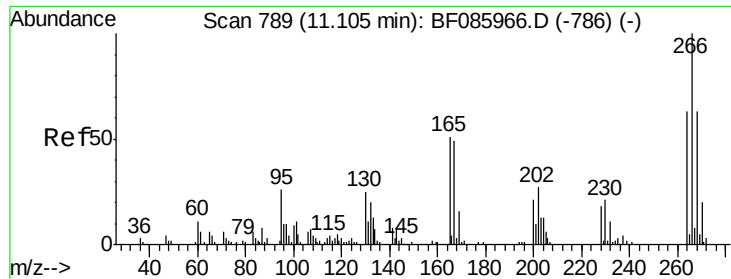
#68
Atrazine
Concen: 15.99 ng
RT: 10.99 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion:200 Resp: 60298
Ion Ratio Lower Upper
200 100
173 30.4 7.7 47.7
215 42.6 25.4 65.4



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

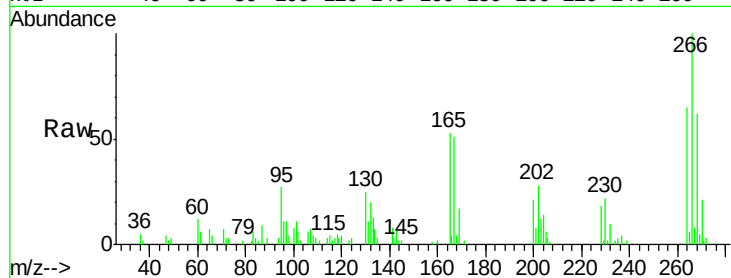




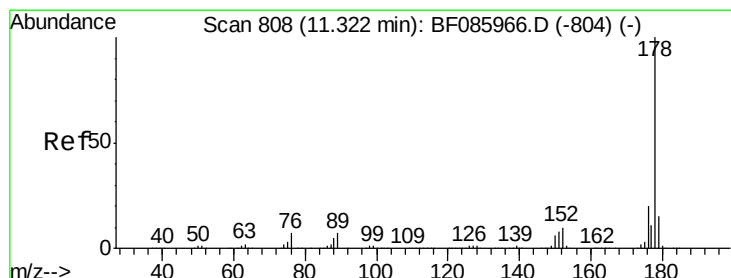
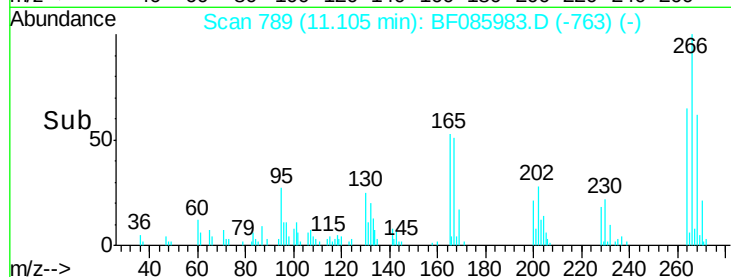
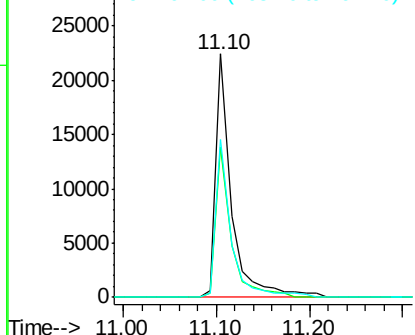
#69
 Pentachlorophenol
 Concen: 14.08 ng
 RT: 11.10 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion:266 Resp: 25991
 Ion Ratio Lower Upper
 266 100
 268 61.6 51.5 77.3
 264 64.7 50.6 76.0

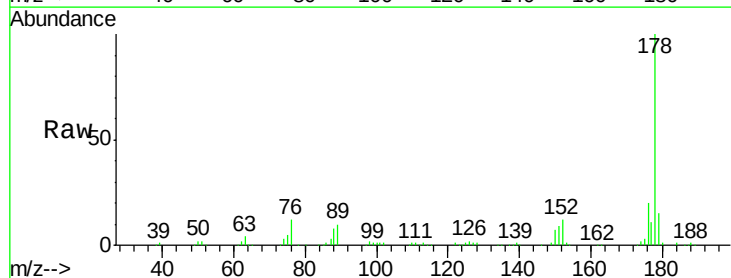


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

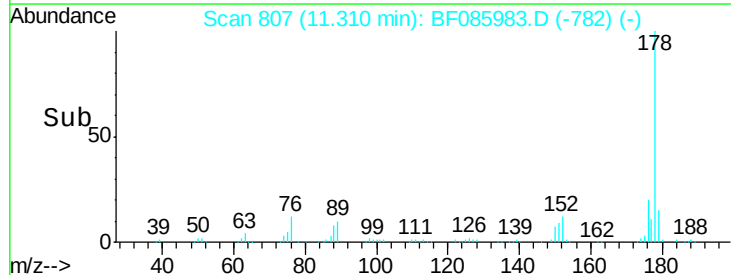
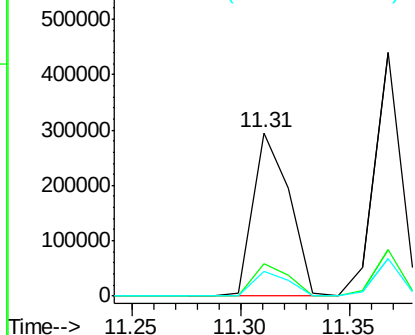


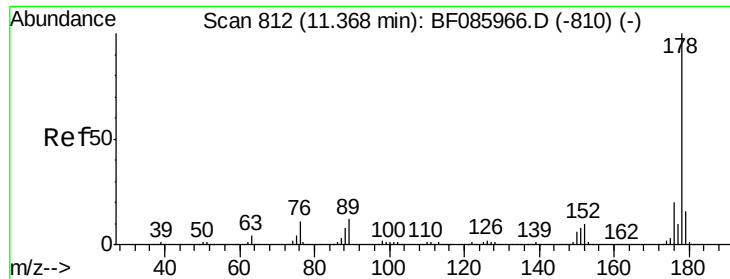
#70
 Phenanthrene
 Concen: 16.92 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:178 Resp: 344386
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.3 24.5
 179 15.4 12.6 18.8



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

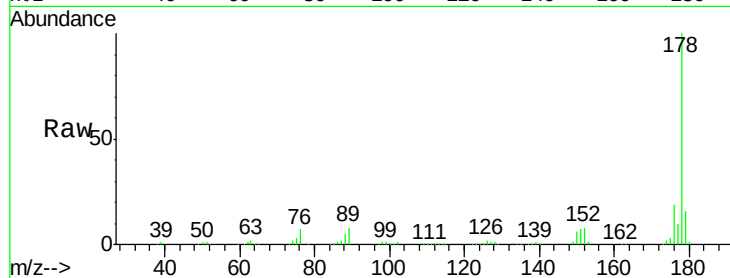




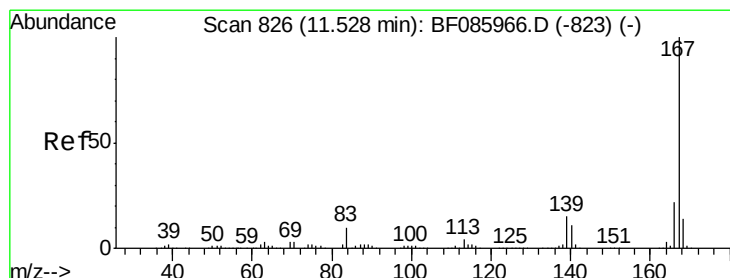
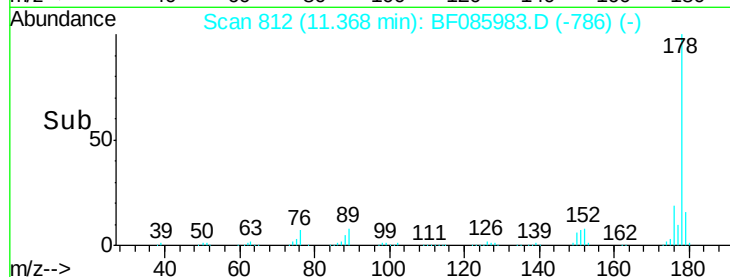
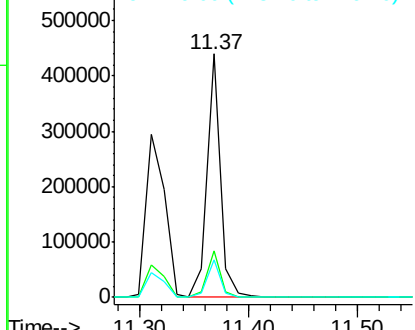
#71
 Anthracene
 Concen: 17.93 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion:178 Resp: 382375
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.9 23.9
 179 15.5 13.0 19.4

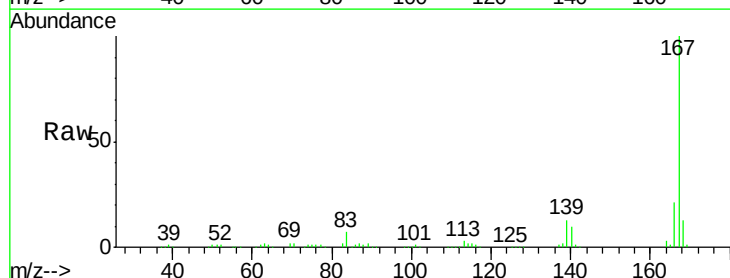


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

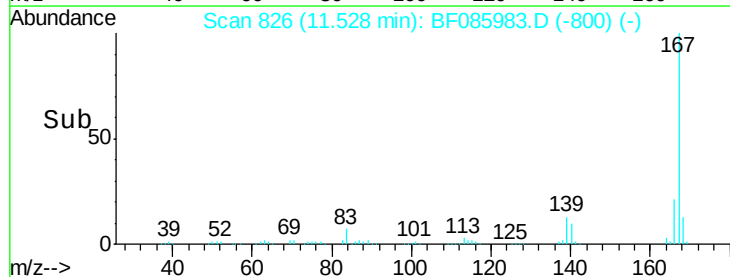
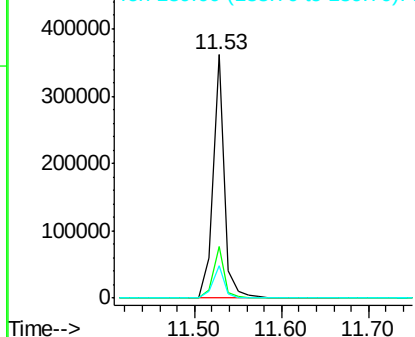


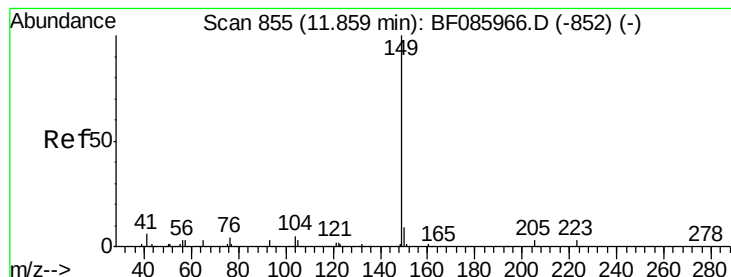
#72
 Carbazole
 Concen: 18.10 ng
 RT: 11.53 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:167 Resp: 331834
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.8 26.8
 139 13.4 11.6 17.4



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: 16.97 ng

RT: 11.86 min Scan# 855

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

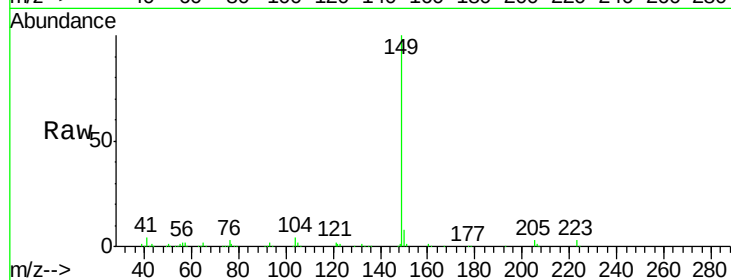
Tot Ion:149 Resp: 385500

Ion Ratio Lower Upper

149 100

150 8.5 7.6 11.4

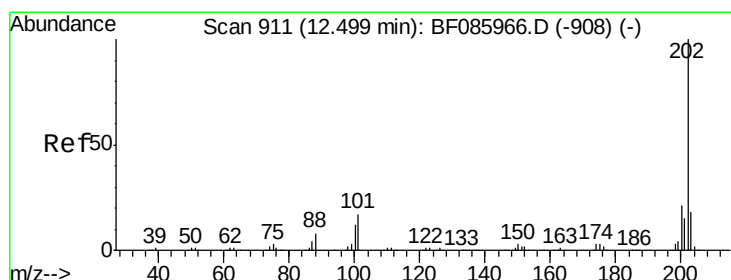
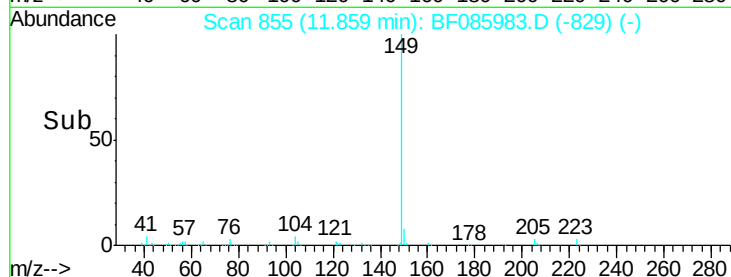
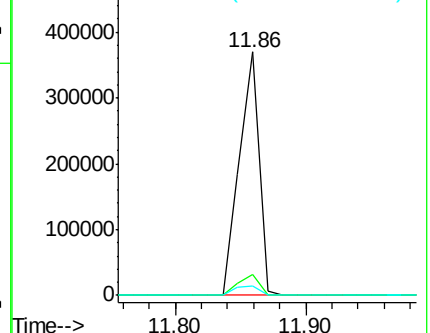
104 4.1 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 16.82 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

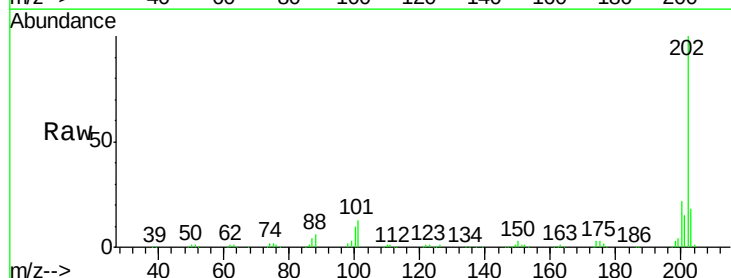
Tgt Ion:202 Resp: 356084

Ion Ratio Lower Upper

202 100

101 12.9 0.0 36.6

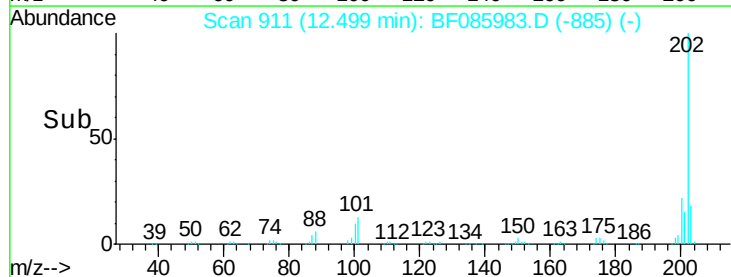
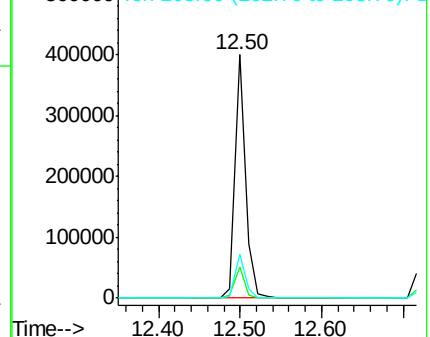
203 18.1 0.0 38.1

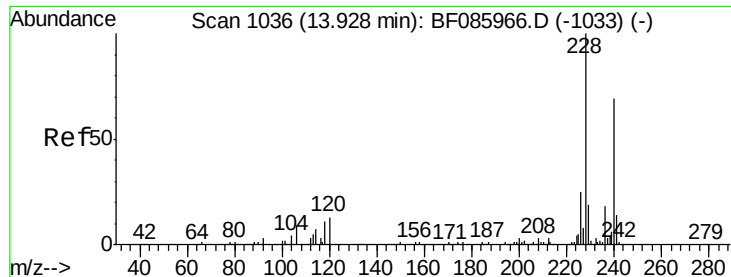


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

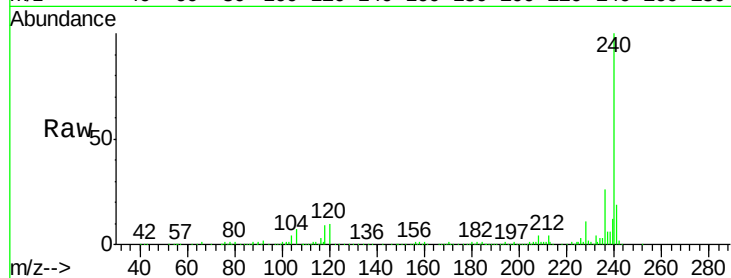
Tot Ion:240 Resp: 345301

Ion Ratio Lower Upper

240 100

120 10.3 13.8 20.8#

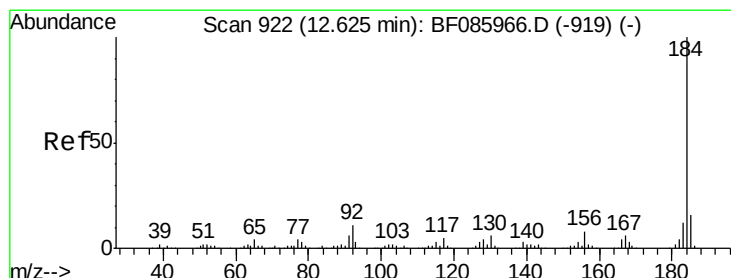
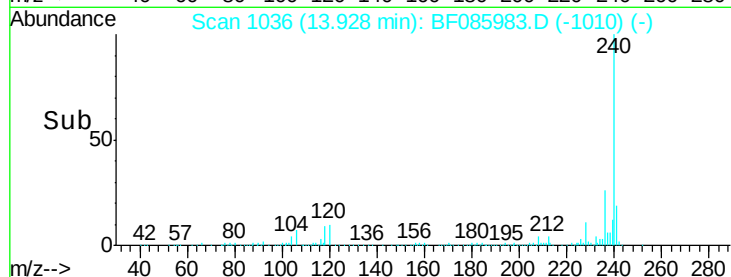
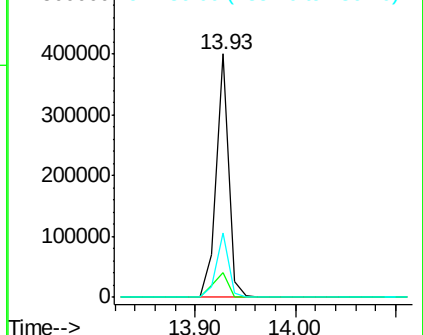
236 26.4 20.6 30.8



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: 8.34 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

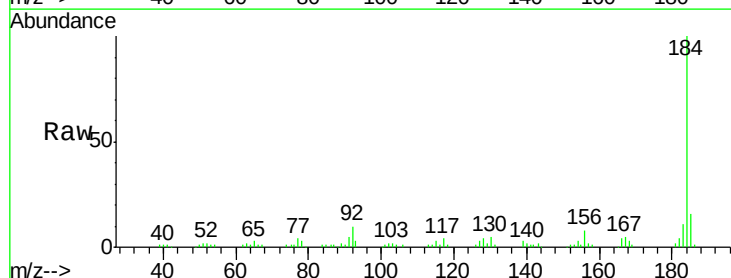
Tgt Ion:184 Resp: 101587

Ion Ratio Lower Upper

184 100

185 15.7 12.4 18.6

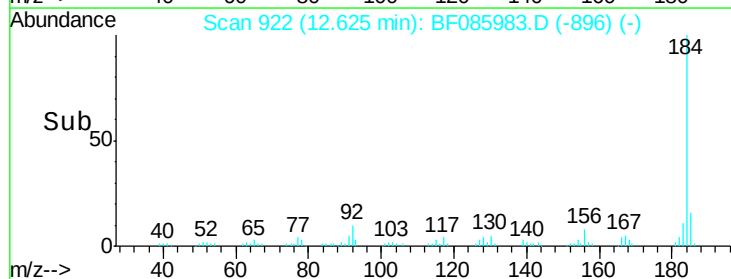
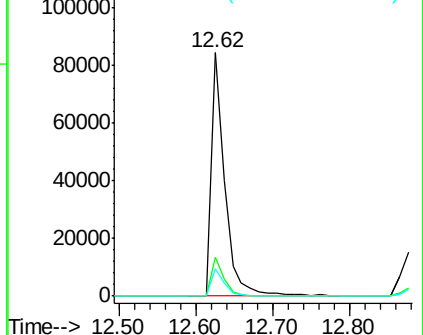
183 11.4 9.4 14.2

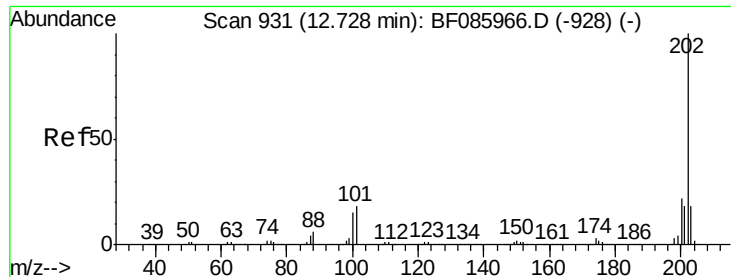


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

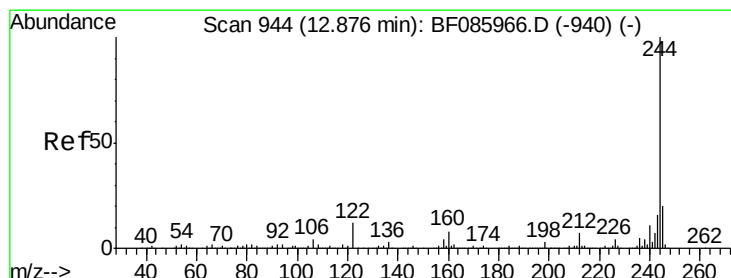
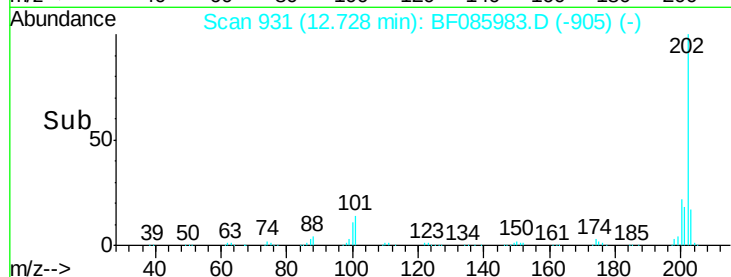
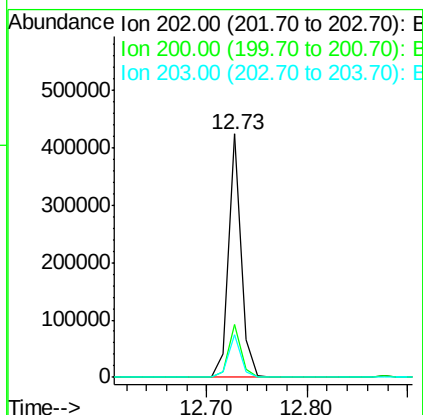
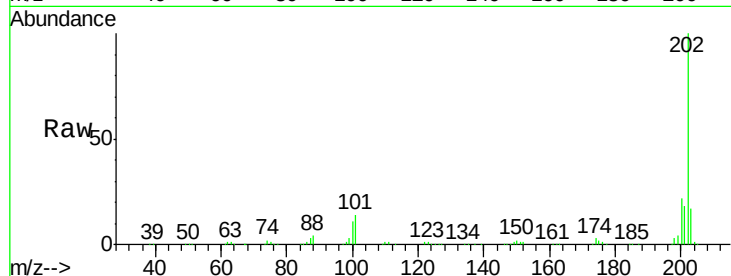




#77
 Pvrene
 Concen: 15.18 ng
 RT: 12.73 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

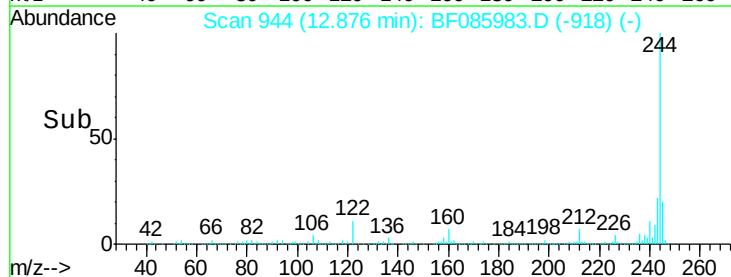
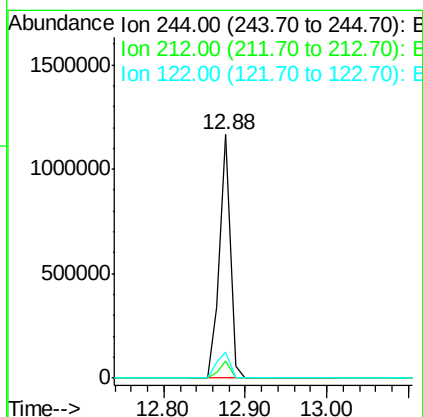
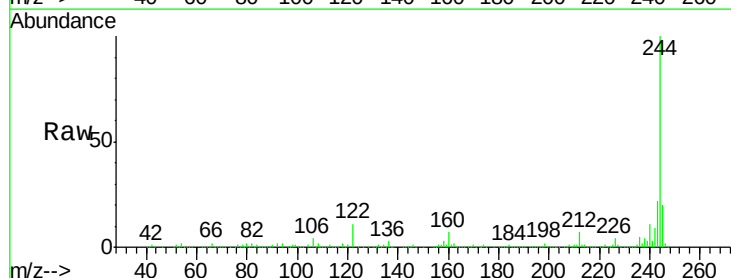
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

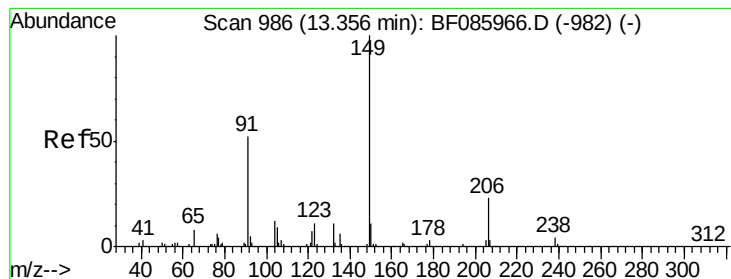
Tot Ion:202 Resp: 369388
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.6 26.4
 203 17.5 14.0 21.0



#78
 Terphenyl-d14
 Concen: 73.76 ng
 RT: 12.88 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:244 Resp: 1083488
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 10.6 10.2 15.4





#79

Butylbenzylphthalate

Concen: 15.28 ng

RT: 13.34 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

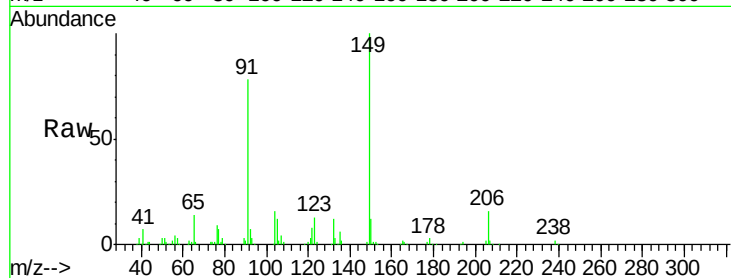
Tot Ion:149 Resp: 167442

Ion Ratio Lower Upper

149 100

91 78.2 45.8 68.8#

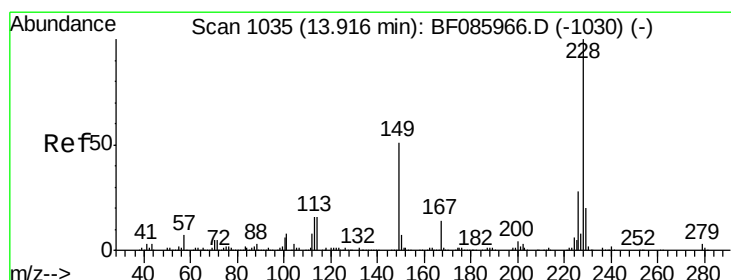
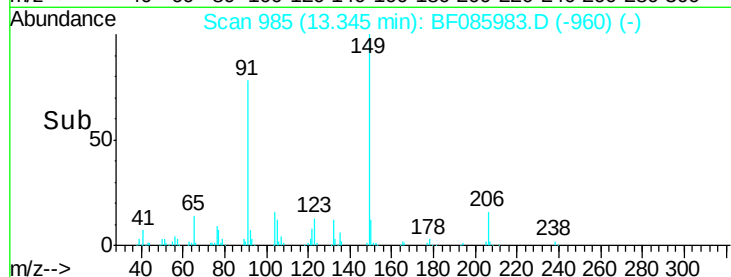
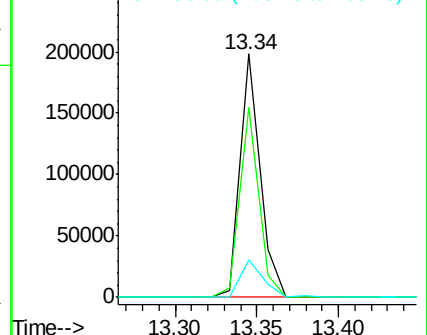
206 15.6 17.8 26.8#



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: 16.33 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

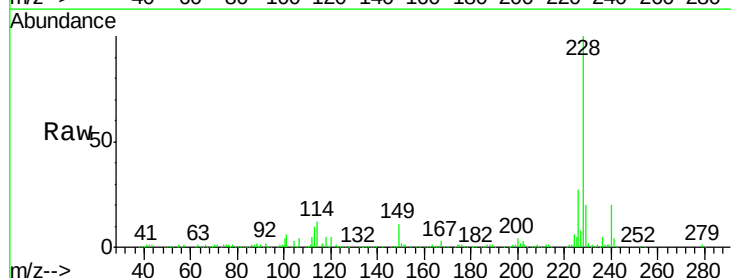
Tgt Ion:228 Resp: 332448

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

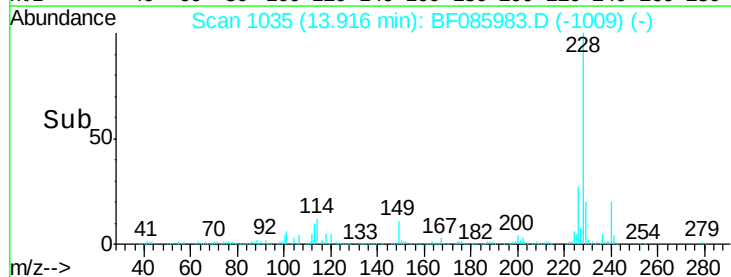
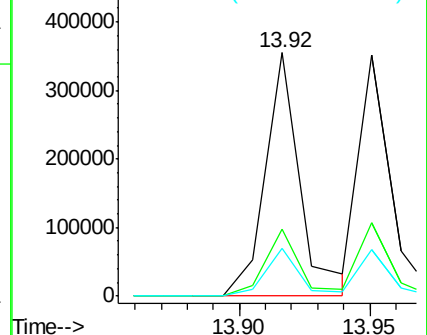
229 19.8 16.2 24.4

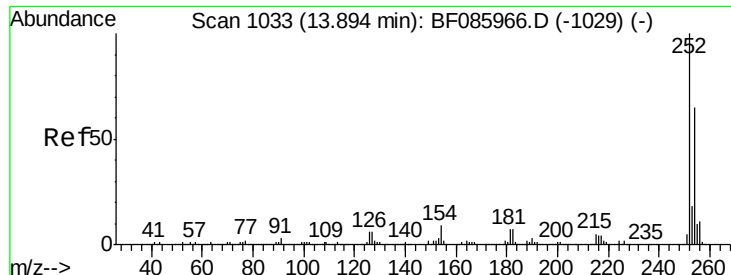


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

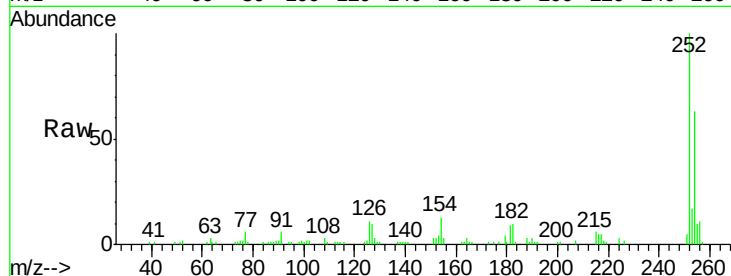




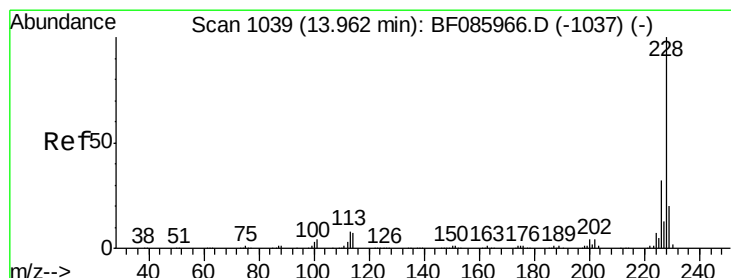
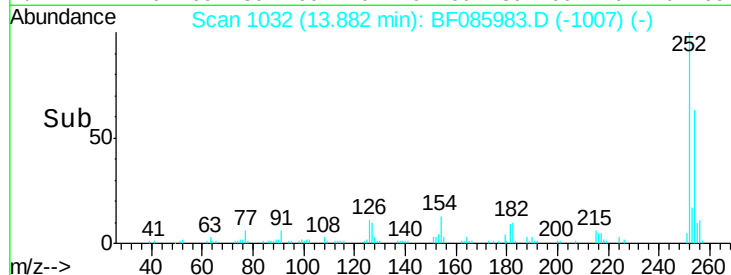
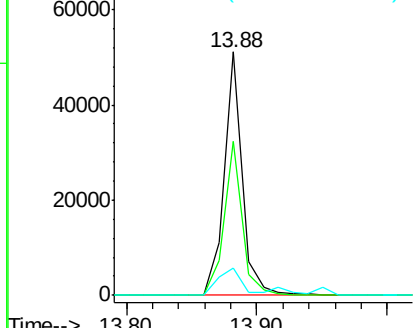
#81
 3,3'-Dichlorobenzidine
 Concen: 3.34 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion:252 Resp: 49693
 Ion Ratio Lower Upper
 252 100
 254 63.2 50.7 76.1
 126 11.1 11.8 17.6#

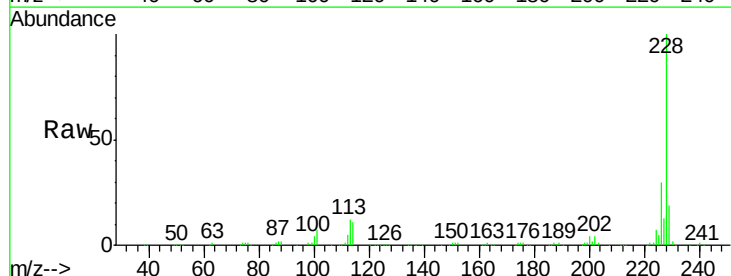


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

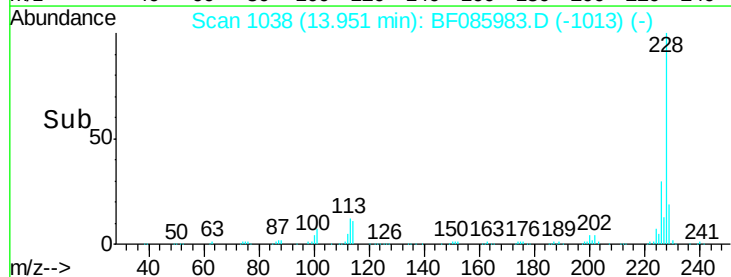
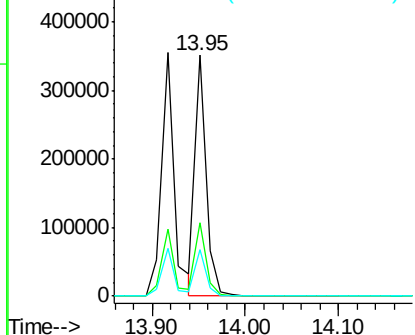


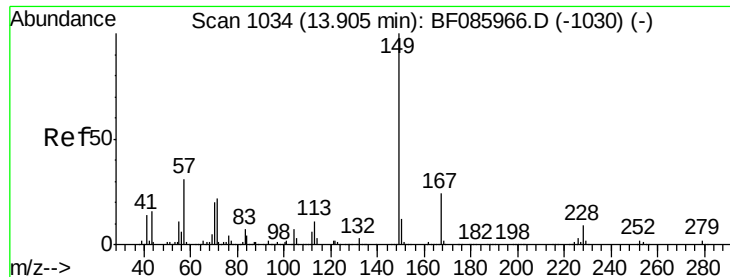
#82
 Chrysene
 Concen: 15.06 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:228 Resp: 295221
 Ion Ratio Lower Upper
 228 100
 226 30.3 25.0 37.6
 229 19.4 15.7 23.5



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

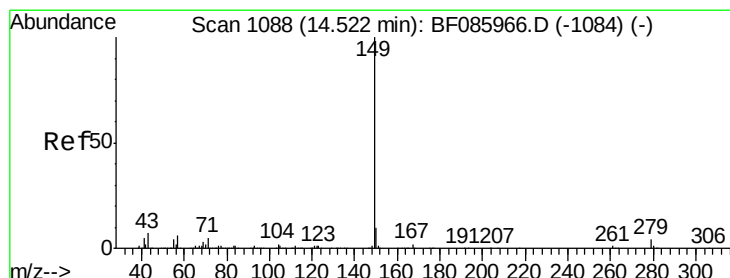
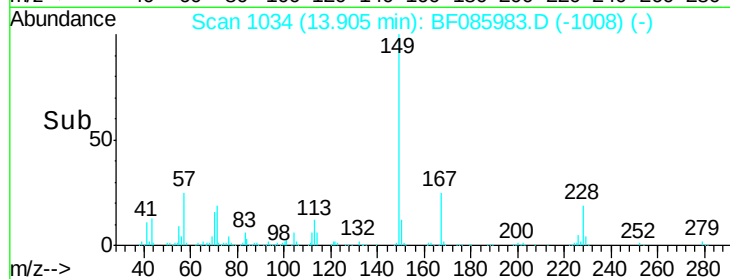
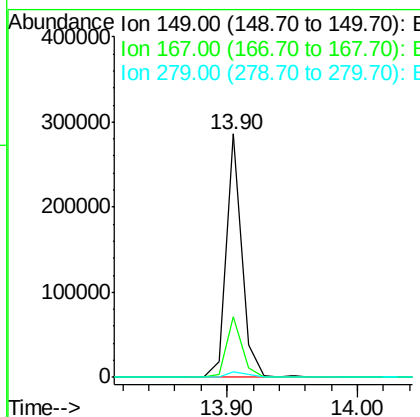
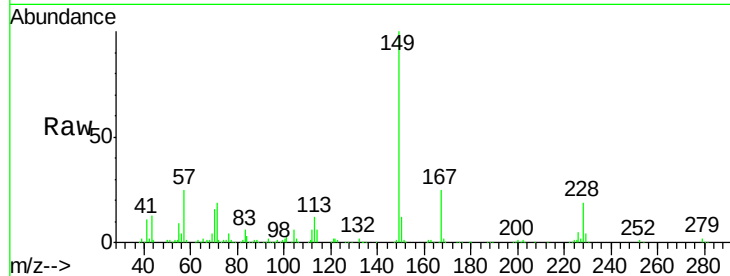




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 16.37 ng
 RT: 13.90 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

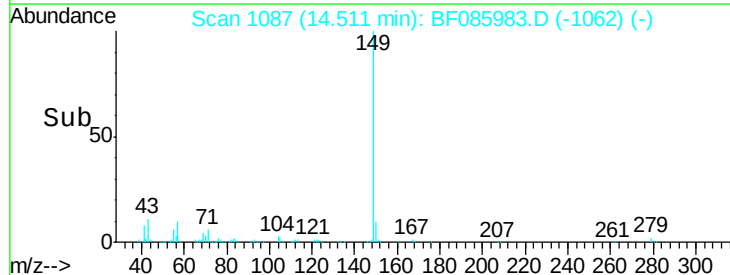
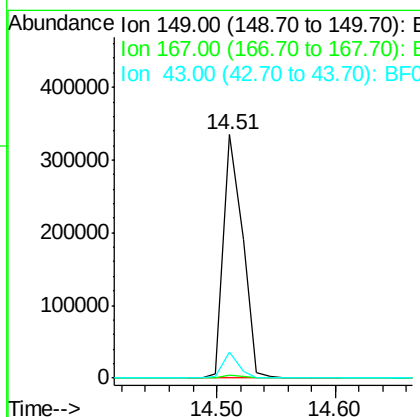
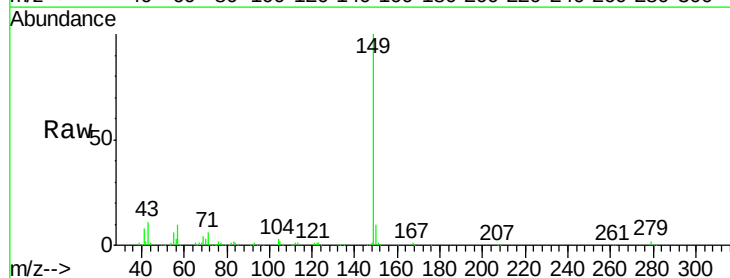
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

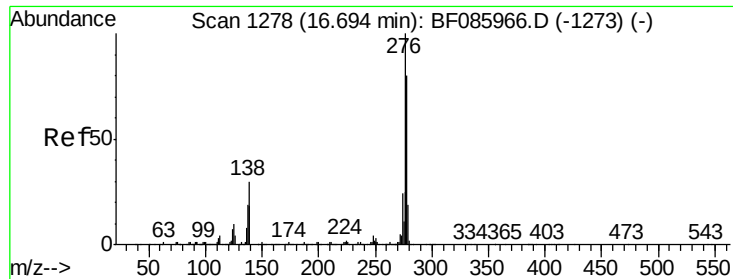
Tot Ion:149 Resp: 238061
 Ion Ratio Lower Upper
 149 100
 167 24.7 19.4 29.2
 279 2.4 1.5 2.3#



#84
 Di-n-octyl phthalate
 Concen: 16.09 ng
 RT: 14.51 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:149 Resp: 373576
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.2 1.8
 43 9.0 7.1 10.7

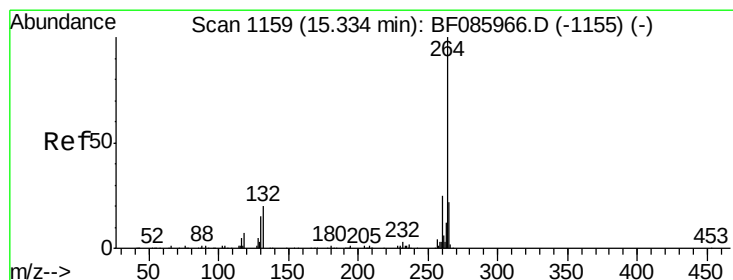
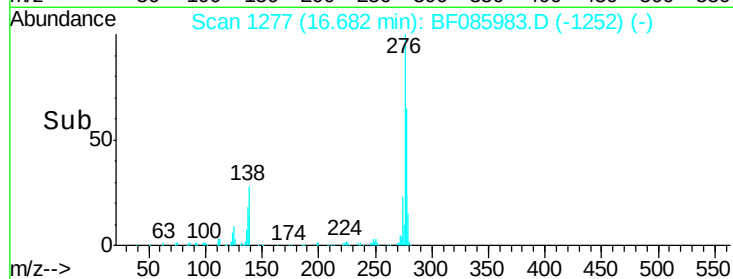
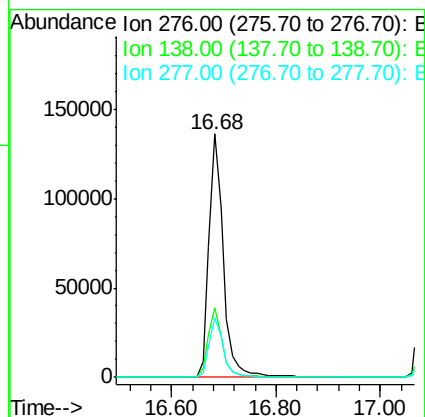
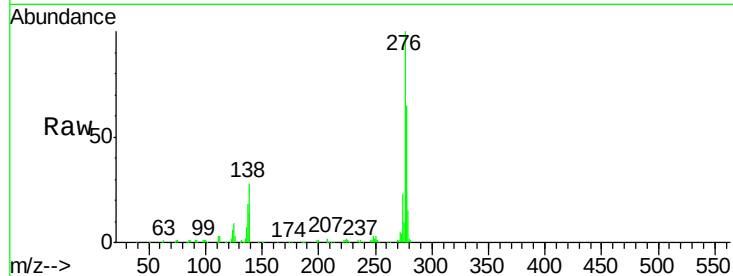




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 16.39 ng
 RT: 16.68 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

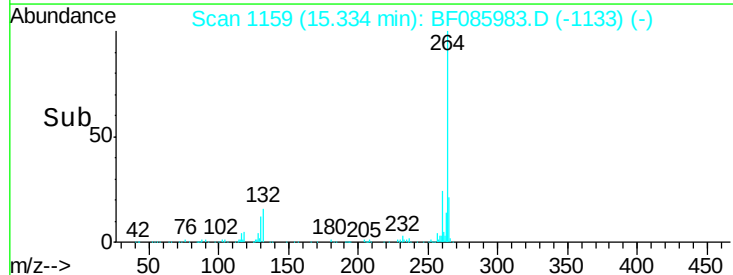
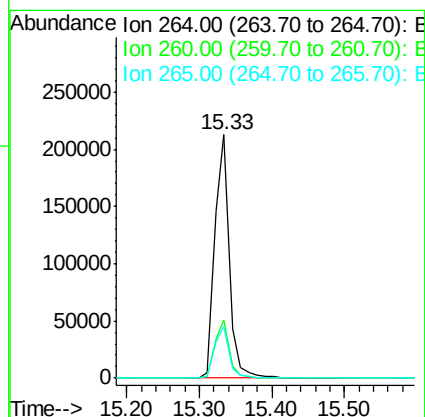
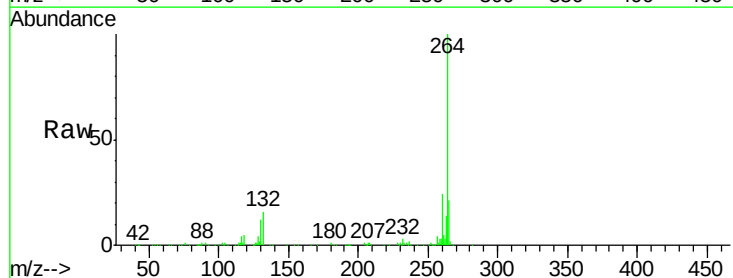
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

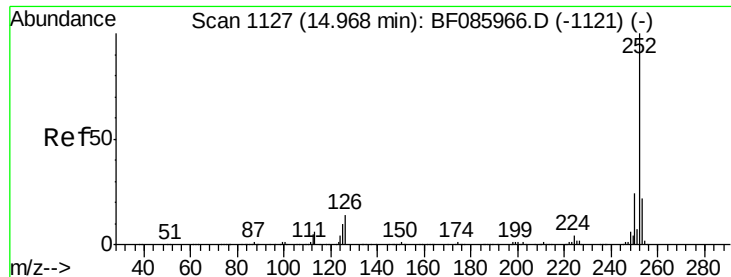
Tot Ion:	276	Resp:	260753
Ion	Ratio	Lower	Upper
276	100		
138	28.5	24.2	36.4
277	24.4	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion:	264	Resp:	293591
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.0	17.2	25.8

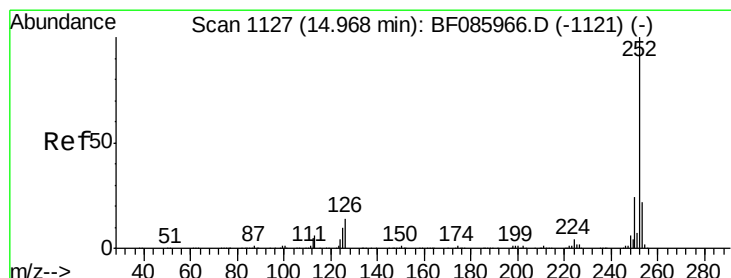
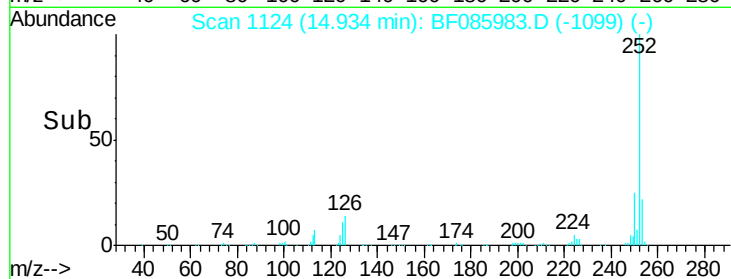
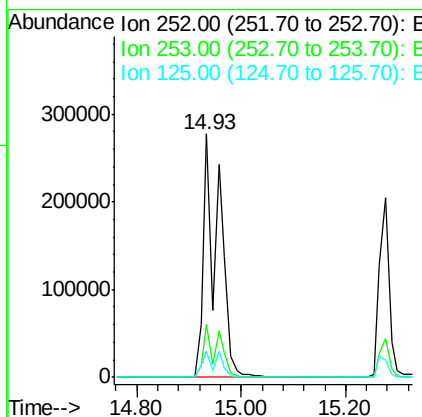
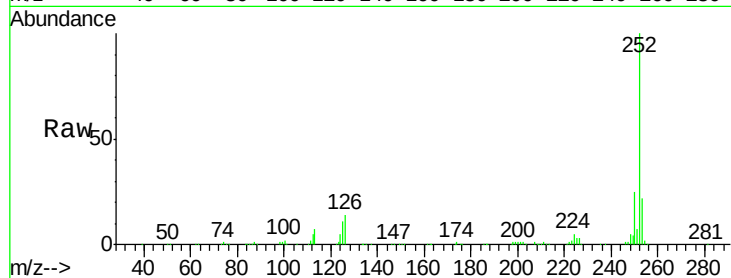




#87
Benzo(b)fluoranthene
Concen: 31.21 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

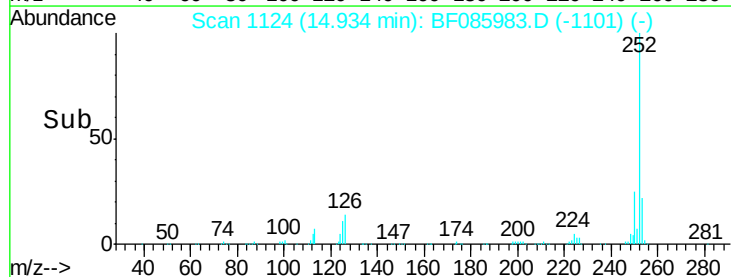
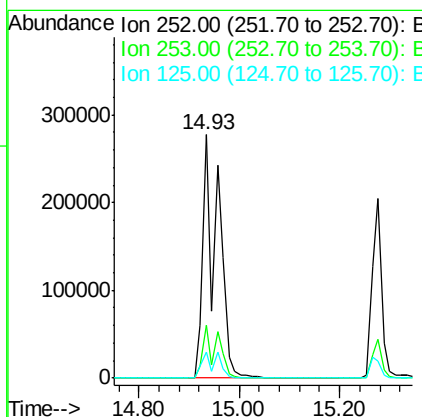
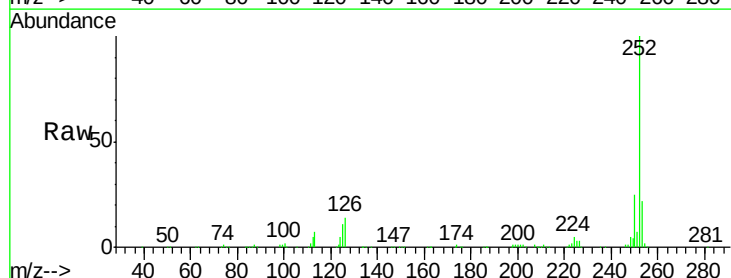
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

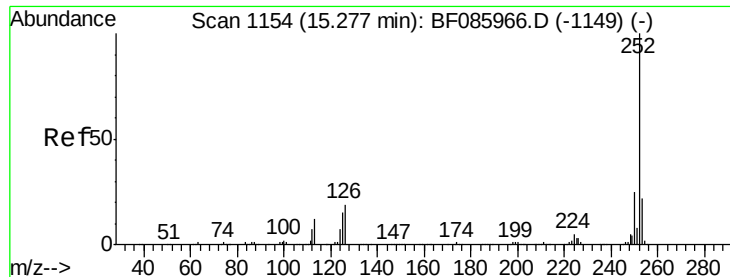
Tot Ion:252 Resp: 576398
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 10.6 10.3 15.5



#88
Benzo(k)fluoranthene
Concen: 35.24 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion:252 Resp: 576406
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 10.6 7.7 11.5





#89

Benzo(a)pyrene

Concen: 16.80 ng

RT: 15.28 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

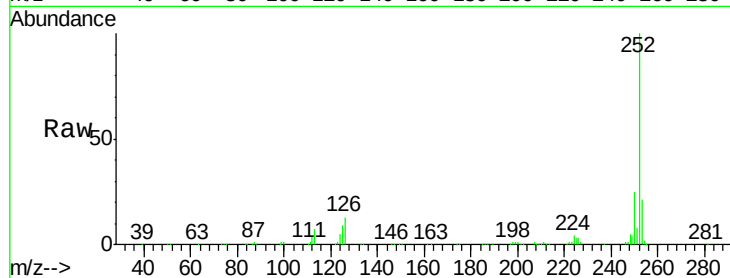
Tot Ion:252 Resp: 274843

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

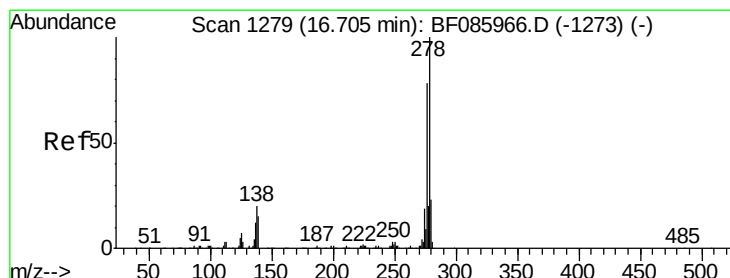
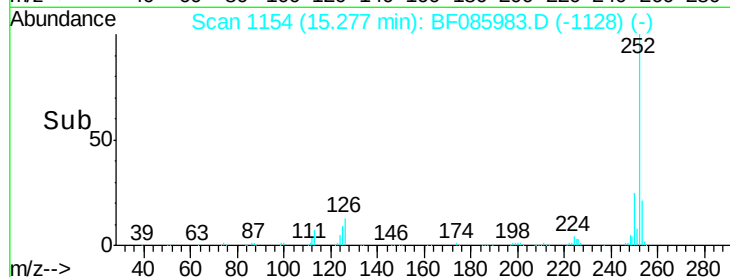
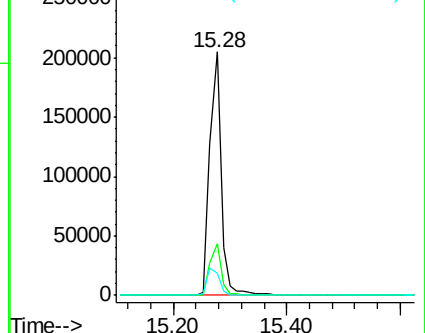
125 9.3 10.3 15.5#



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: 16.32 ng

RT: 16.69 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

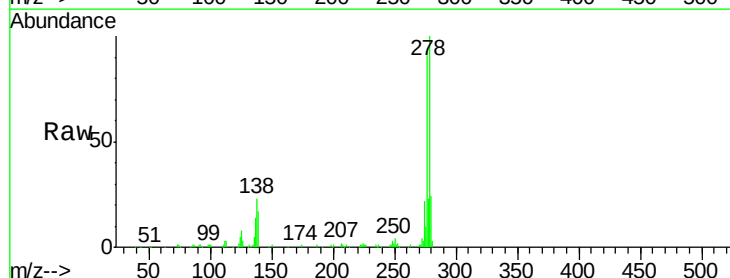
Tgt Ion:278 Resp: 214904

Ion Ratio Lower Upper

278 100

139 17.1 14.4 21.6

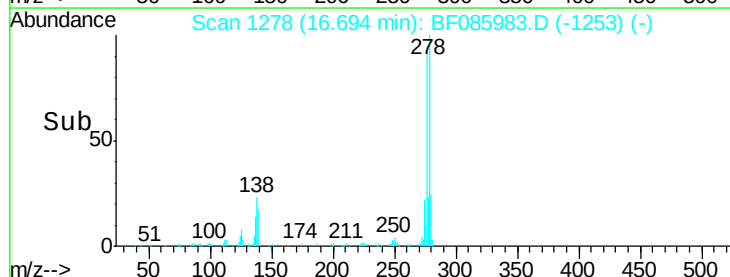
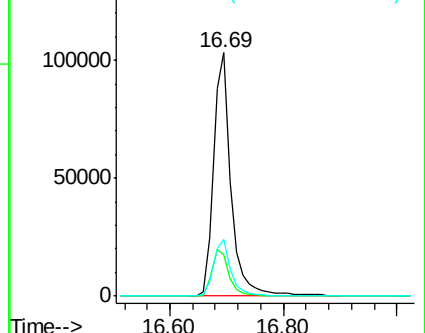
279 23.5 19.1 28.7

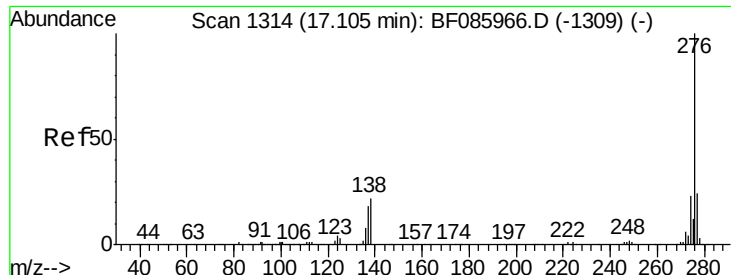


Abundance Ion 278.00 (277.70 to 278.70): E

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: 16.32 ng

RT: 17.09 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

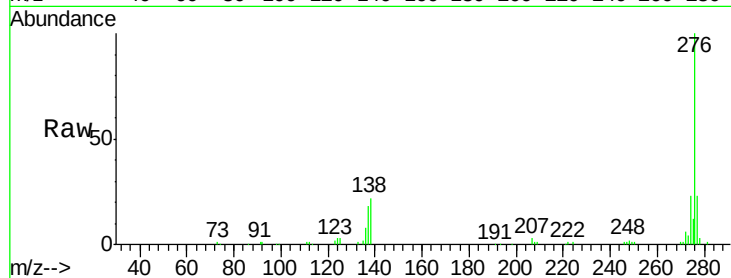
Tot Ion: 276 Resp: 207928

Ion Ratio Lower Upper

276 100

277 22.7 18.8 28.2

138 21.8 22.6 34.0#



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

