

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

Manual Integrations
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Sohil
 4/4/2016 7:42:51 PM

Quant Time: Apr 02 02:13:55 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	102081m	15.75	ng	
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	6.80	146	125654m	15.81	ng	
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

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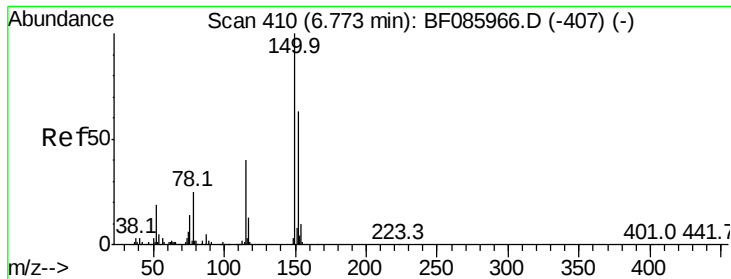
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	55805	14.85	nq	97
43) 2,4,5-Trichlorophenol	9.10	196	63211	16.57	nq	# 95
45) 1,1'-Biphenyl	9.23	154	281221	16.75	nq	97
46) 2-Chloronaphthalene	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	283922m	15.37	nq	
88) Benzo(k)fluoranthene	14.96	252	287122m	17.56	nq	
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



#1

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

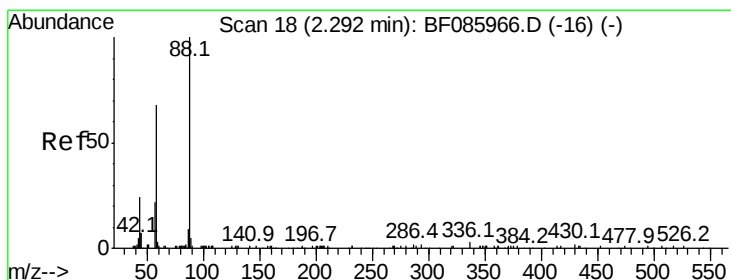
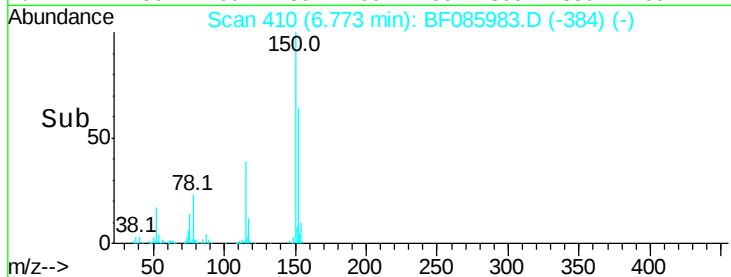
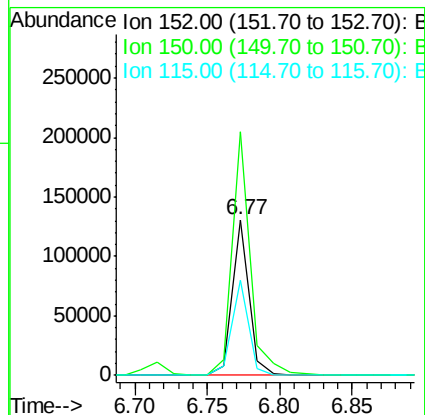
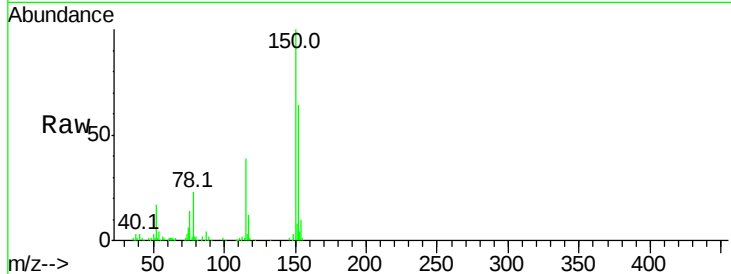
ClientSampleId :

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

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#2

1,4-Dioxane

Concen: 14.08 ng

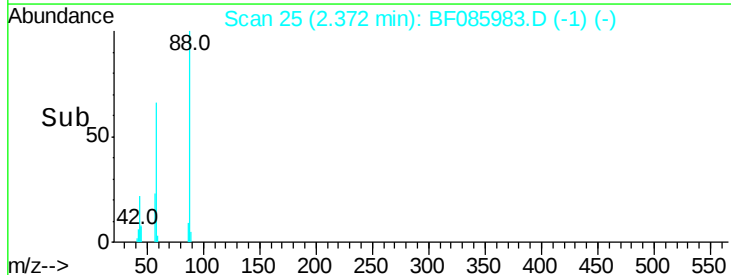
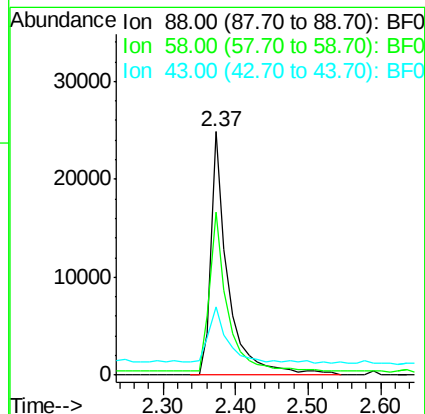
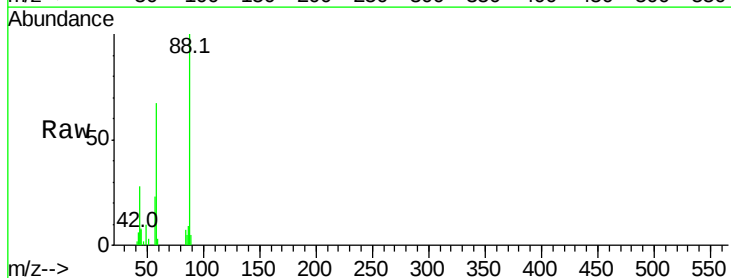
RT: 2.37 min Scan# 25

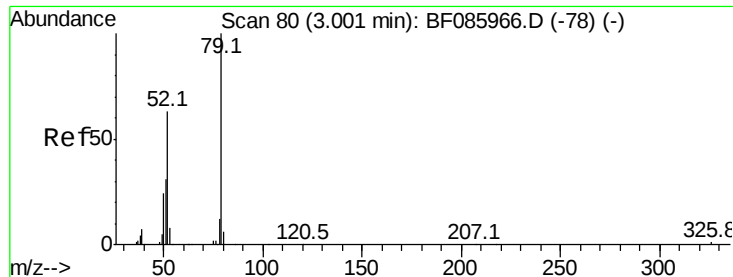
Delta R.T. 0.08 min

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





#3

Pvridine

Concen: 15.75 ng/ml

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

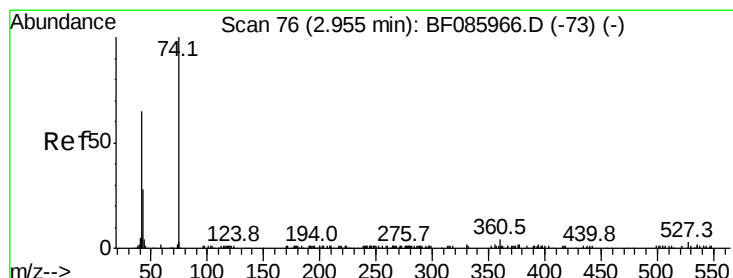
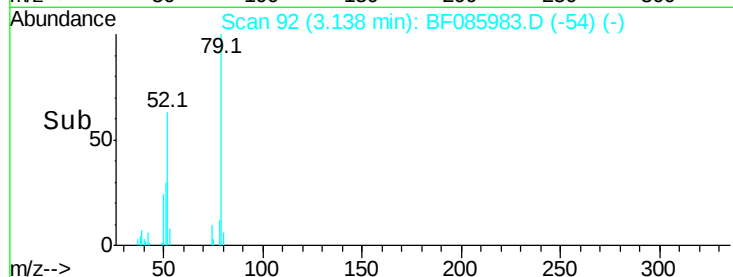
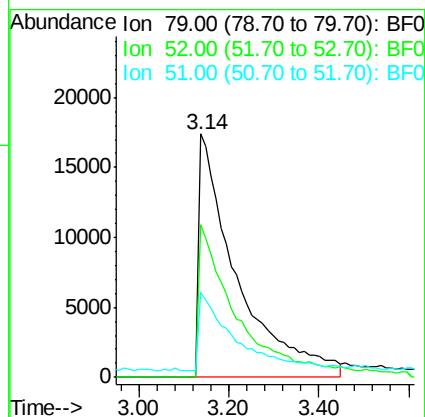
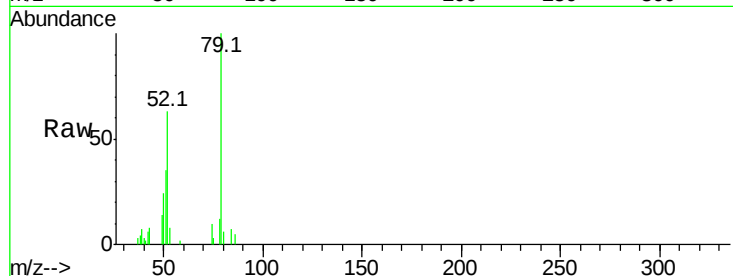
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	62.8	49.8	74.6		
51	34.7	24.7	37.1		

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#4

n-Nitrosodimethylamine

Concen: 14.31 ng/ml

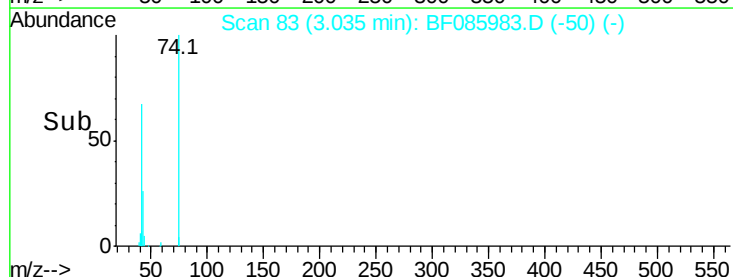
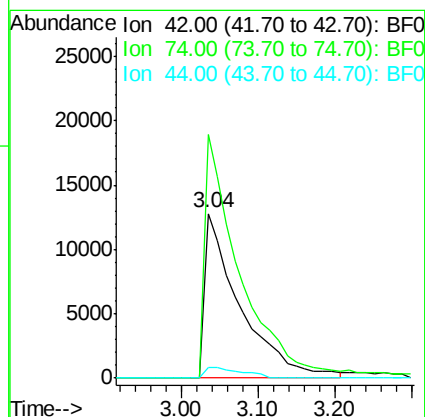
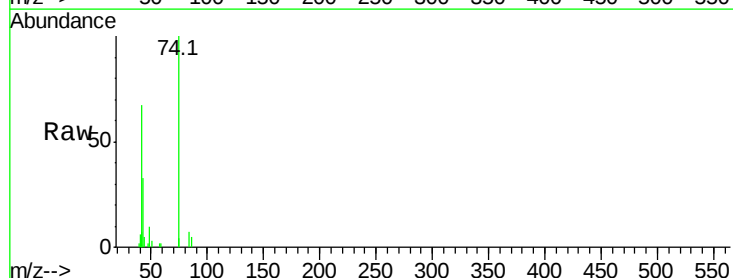
RT: 3.04 min Scan# 83

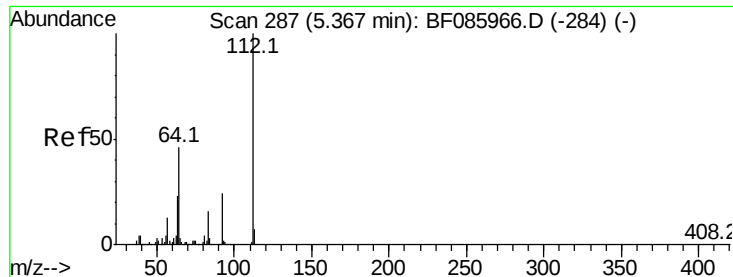
Delta R.T. 0.08 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	148.2	121.4	182.2		
44	6.7	5.6	8.4		





#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

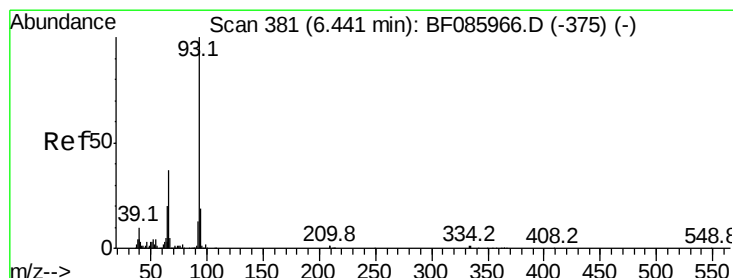
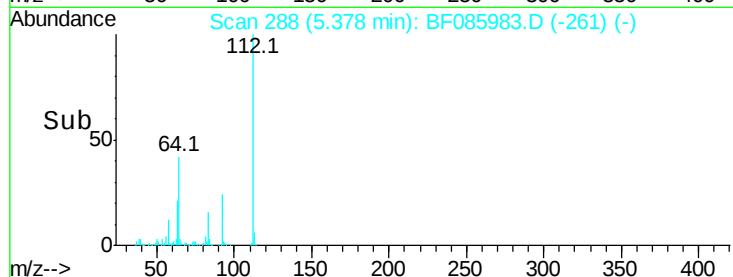
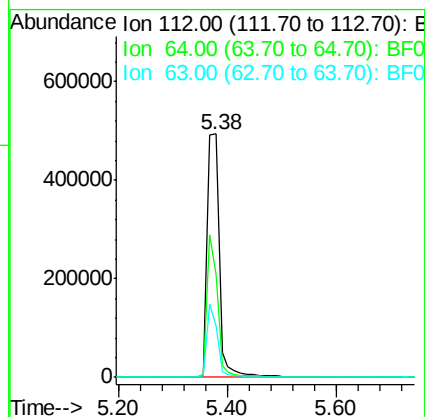
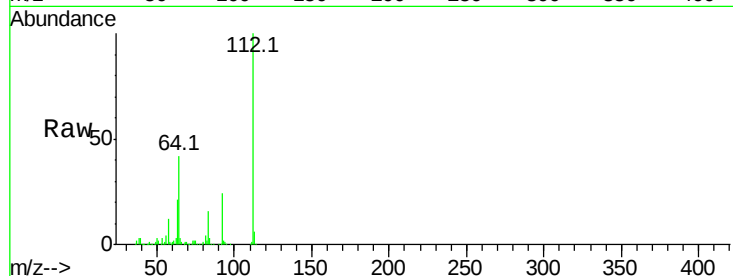
ClientSampleId :

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Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	42.3	39.9	59.9
63	21.5	20.2	30.2



#6

Aniline

Concen: 9.60 ng

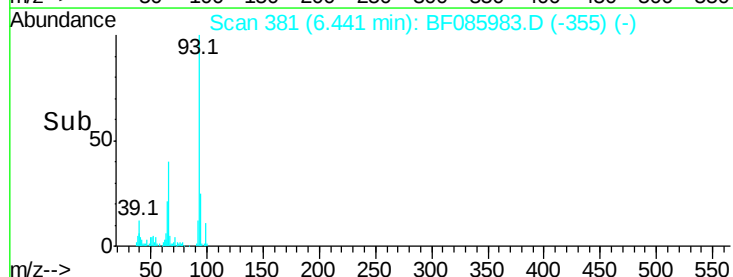
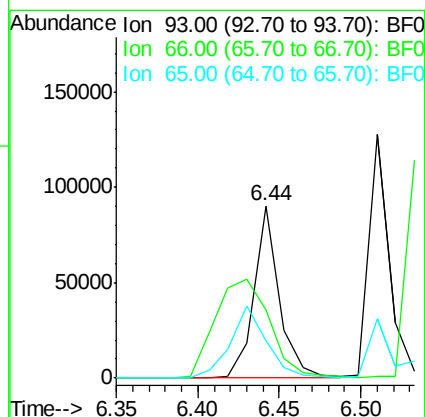
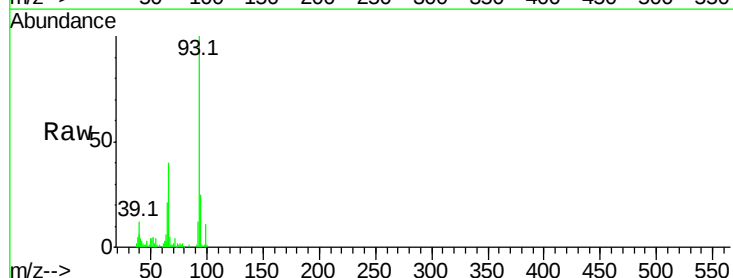
RT: 6.44 min Scan# 381

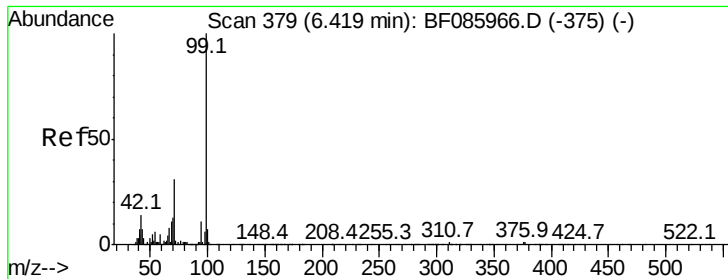
Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	39.9	31.4	47.2
65	21.5	15.7	23.5





#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

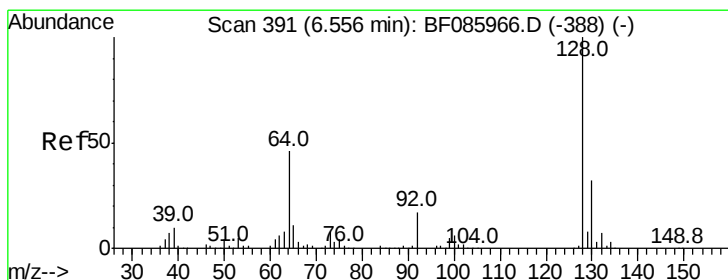
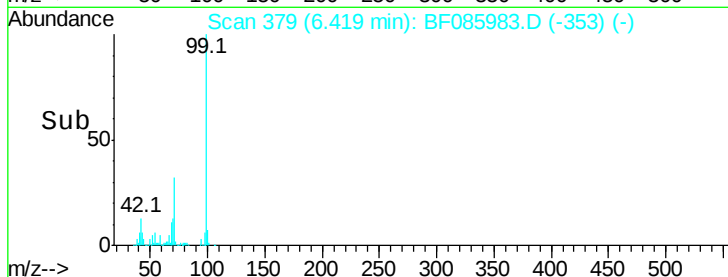
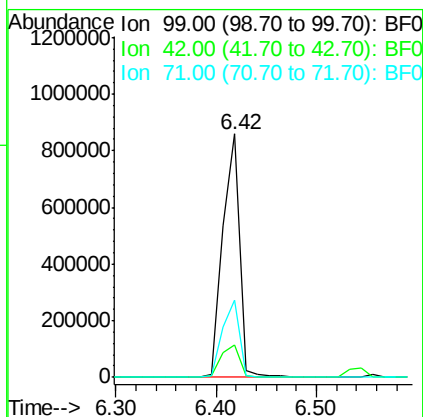
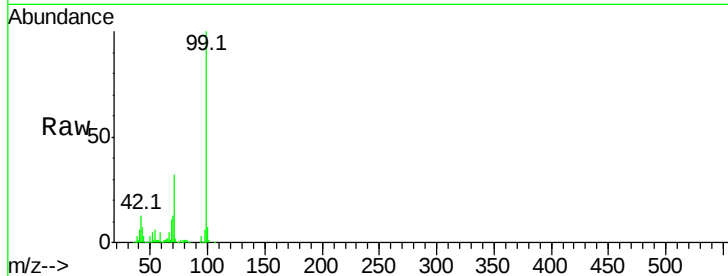
99 100

42 13.3 11.1 16.7

71 31.6 24.9 37.3

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#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

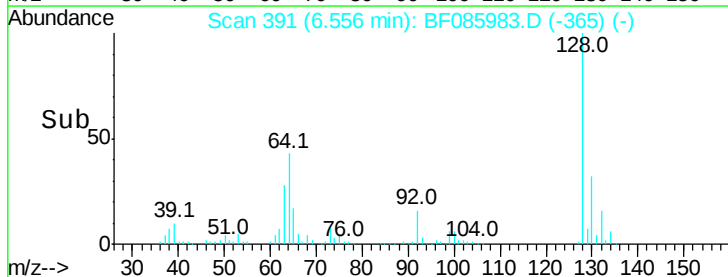
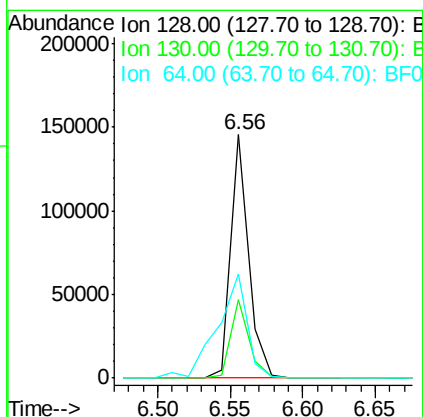
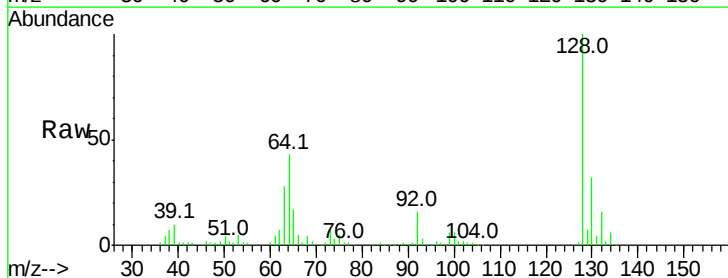
Tgt Ion:128 Resp: 124904

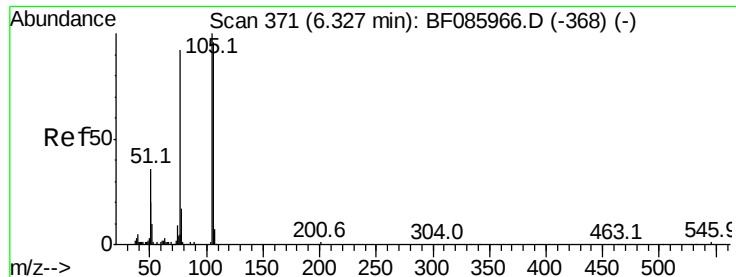
Ion Ratio Lower Upper

128 100

130 32.2 12.9 52.9

64 42.6 20.2 60.2





#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

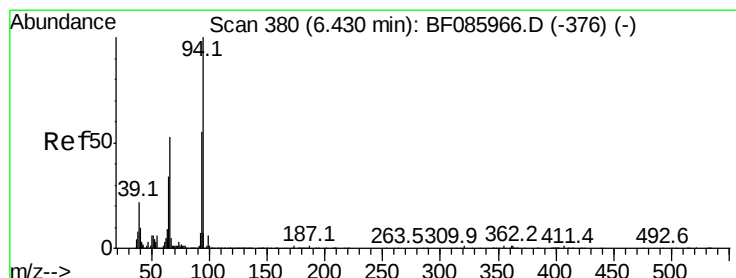
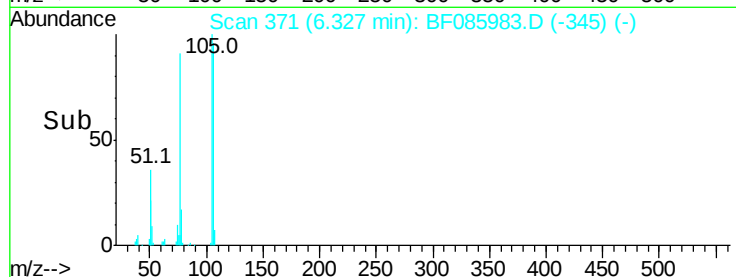
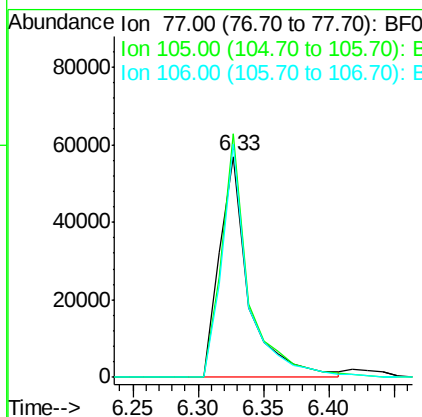
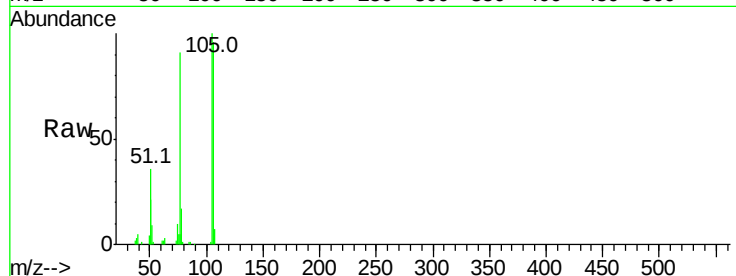
ClientSampleId :

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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

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#10

Phenol

Concen: 16.41 ng

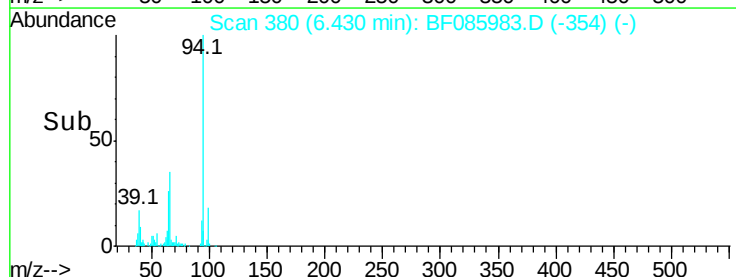
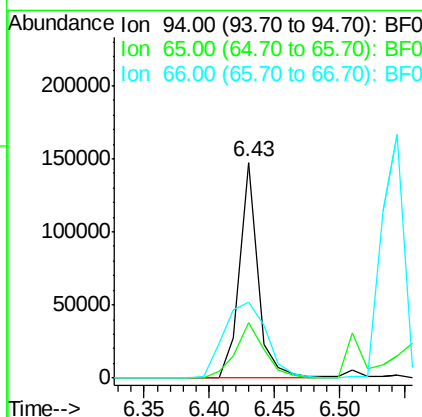
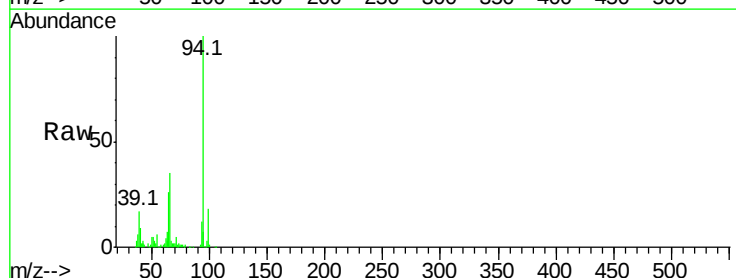
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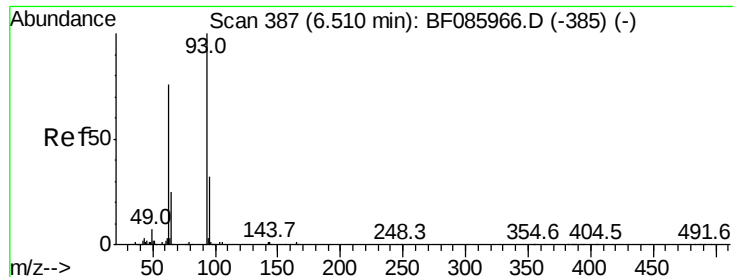
Delta R.T. -0.00 min

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

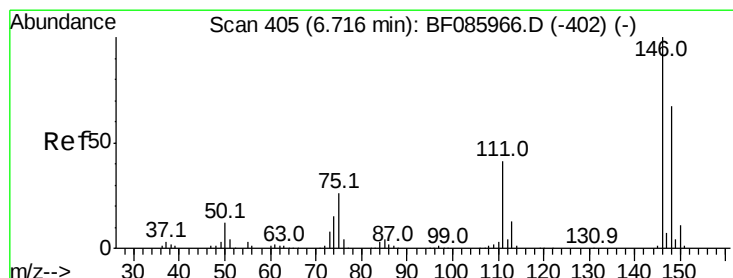
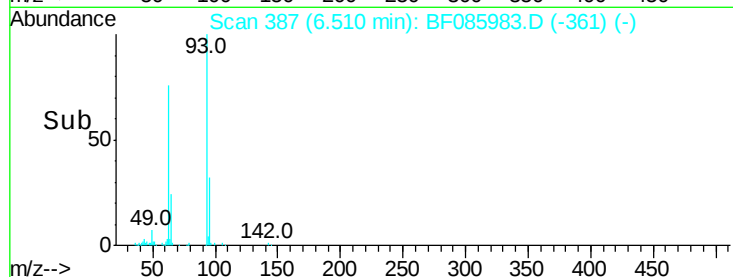
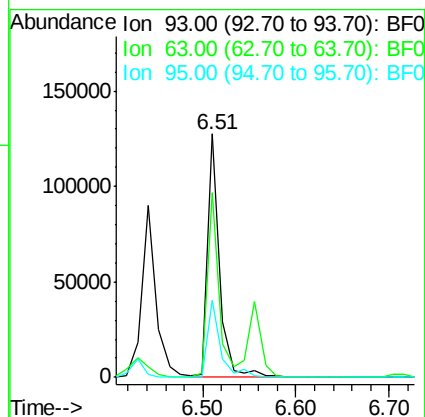
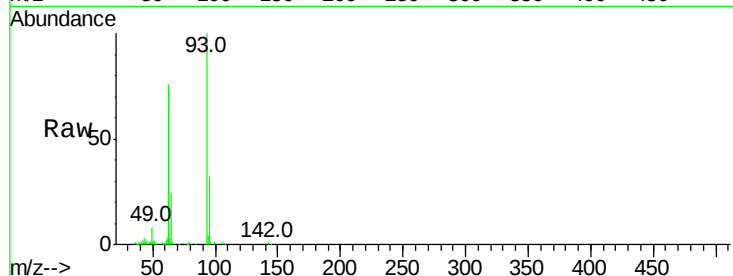
ClientSampleId :

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

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#12

1,3-Dichlorobenzene

Concen: 15.56 ng

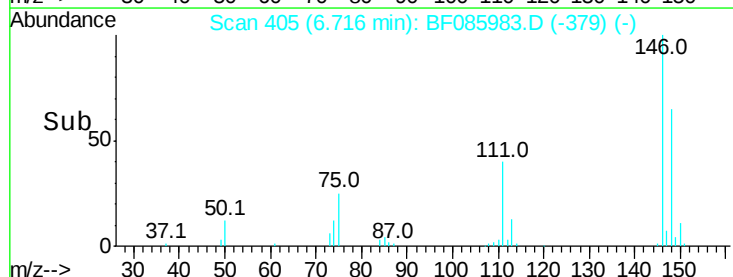
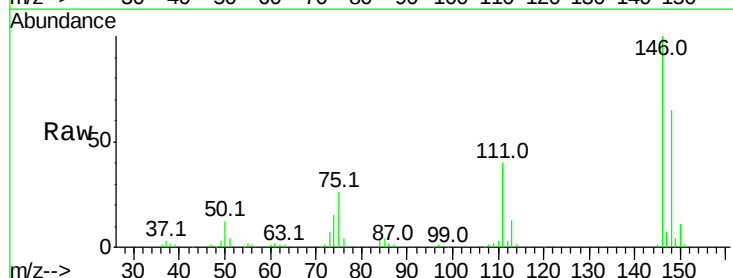
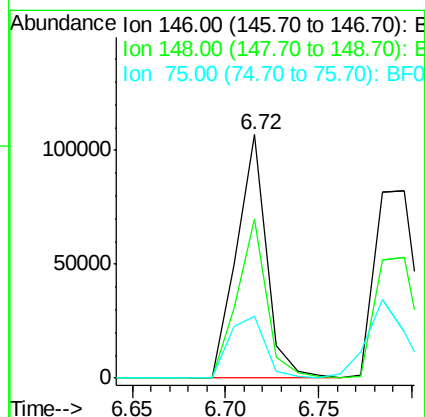
RT: 6.72 min Scan# 405

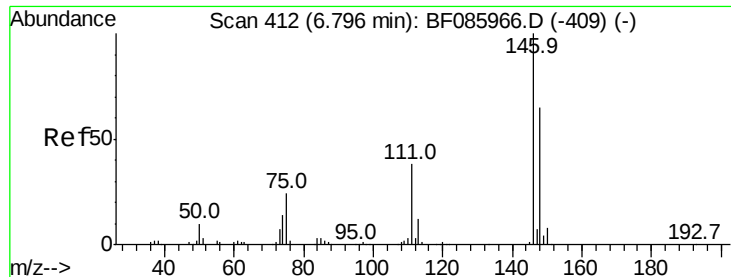
Delta R.T. -0.00 min

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: 15.81 ng/mL

RT: 6.80 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

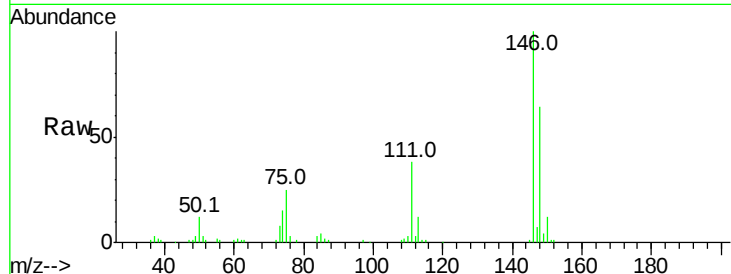
ClientSampleId :

LOQ-SOIL2016-02

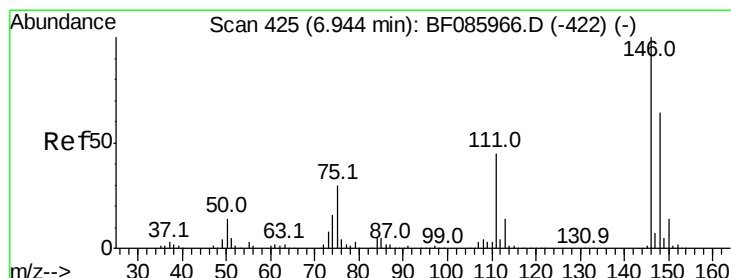
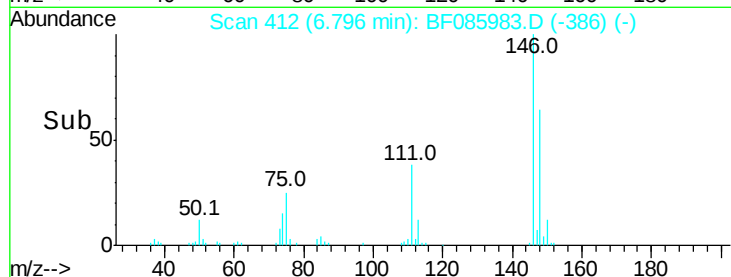
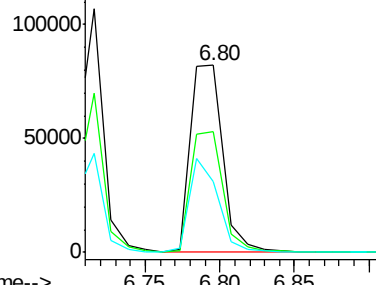
Tot Ion:	146	Resp:	125654
Ion Ratio	Lower	Upper	
146	100		
148	64.2	50.6	76.0
111	37.6	37.8	56.6

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 16.14 ng/mL

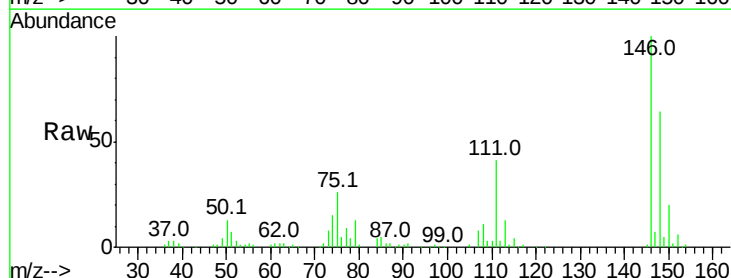
RT: 6.94 min Scan# 425

Delta R.T. -0.00 min

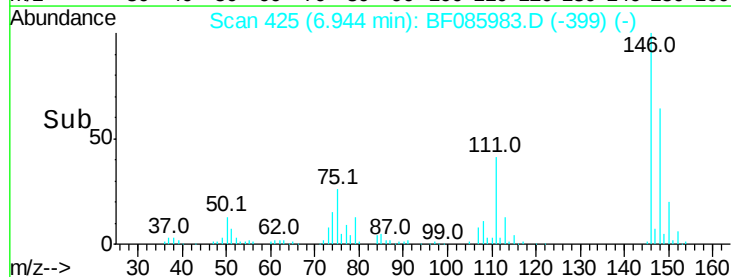
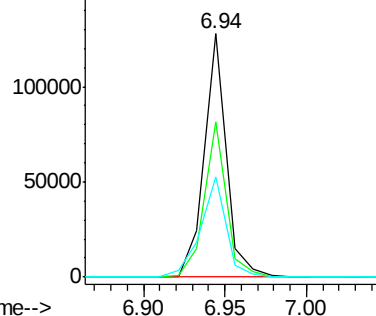
Lab File: BF085983.D

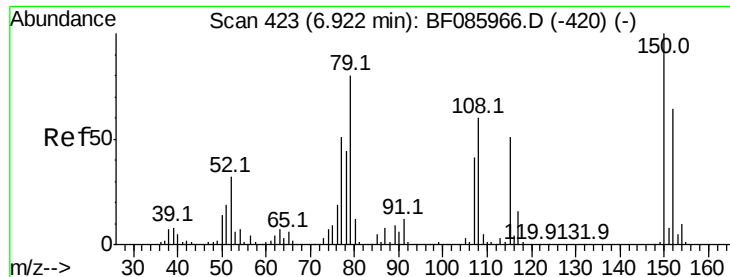
Acq: 2 Apr 2016 1:37

Tgt Ion:	146	Resp:	118108
Ion Ratio	Lower	Upper	
146	100		
148	63.7	51.4	77.2
111	41.2	34.6	52.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#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

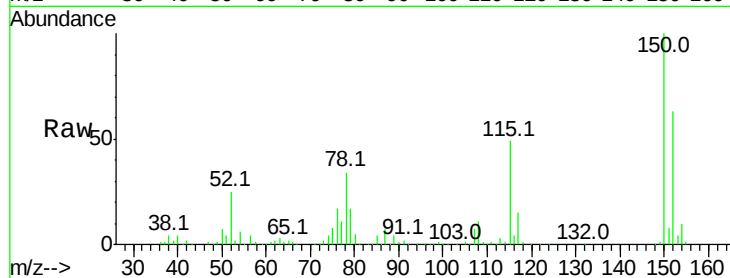
79 100

108 66.9 61.8 92.6

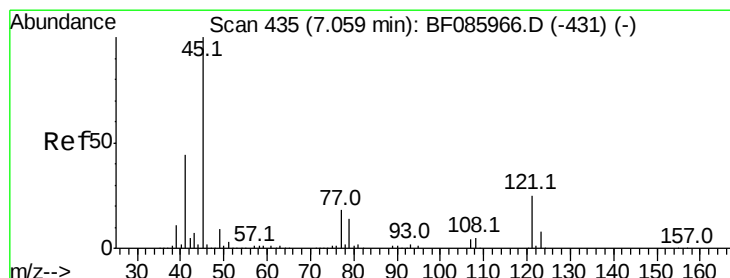
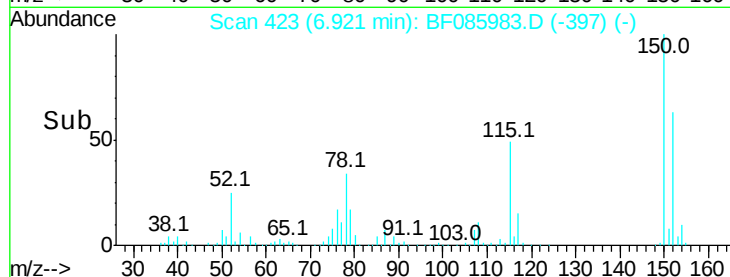
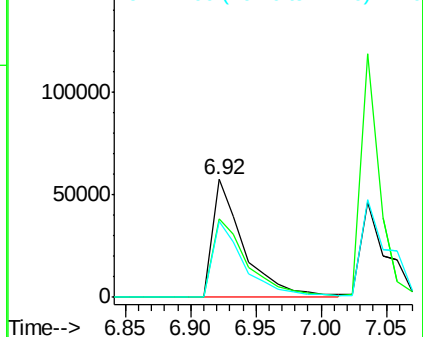
77 64.5 49.6 74.4

Manual Integrations
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Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#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

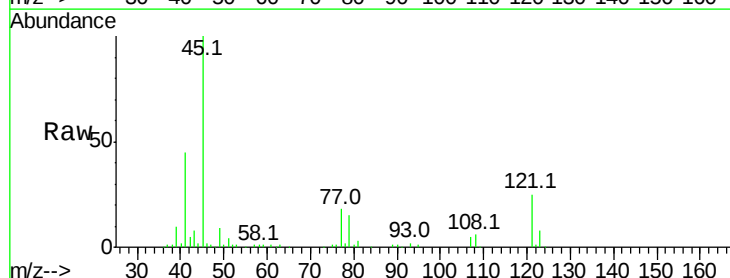
Tgt Ion: 45 Resp: 139521

Ion Ratio Lower Upper

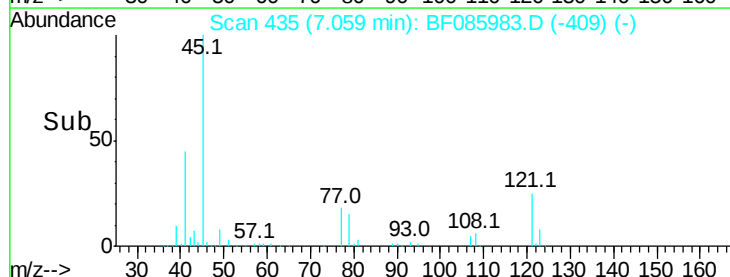
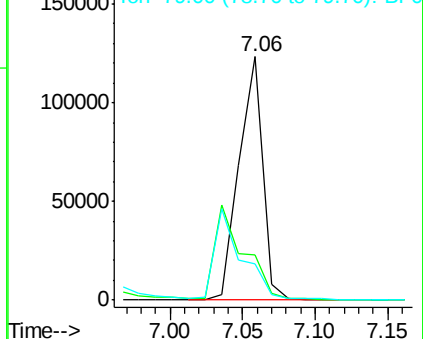
45 100

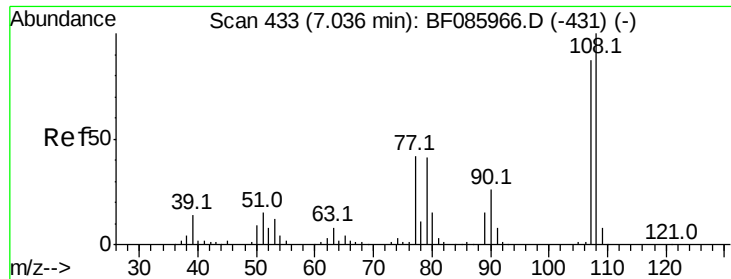
77 18.5 0.0 35.7

79 15.0 0.0 32.2



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





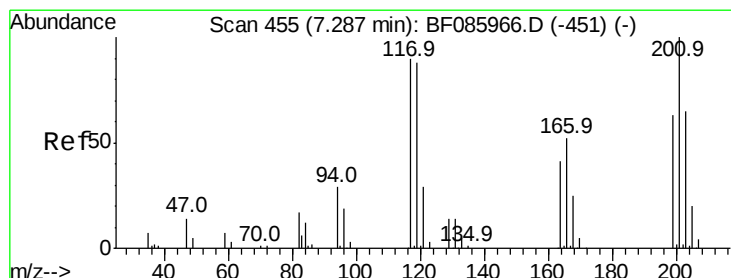
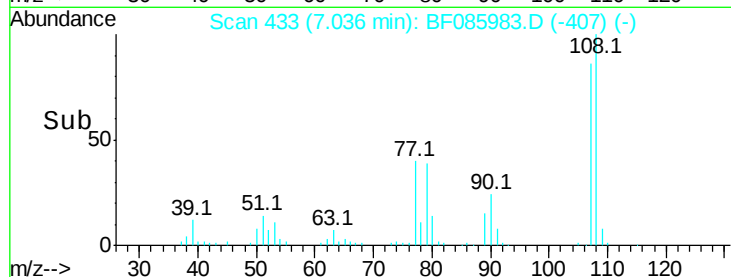
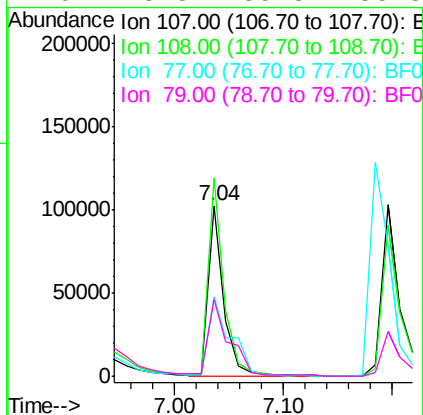
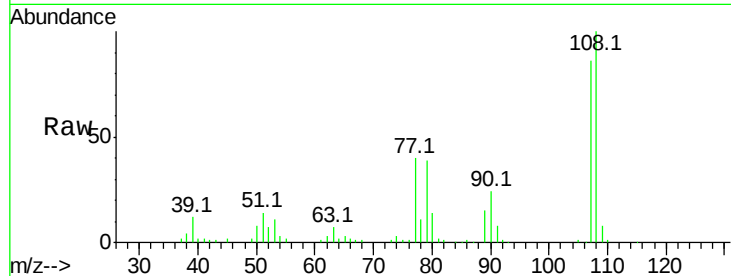
#17
2-Methylphenol
Concen: 17.85 ng
RT: 7.04 min Scan# 433
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

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

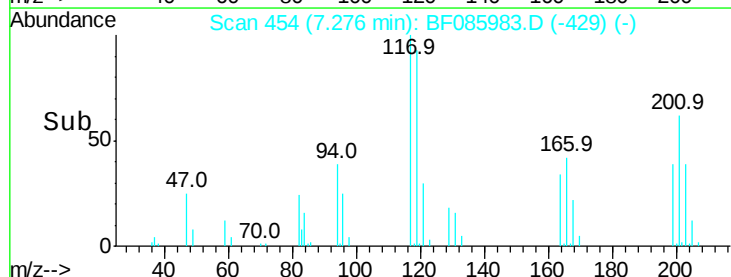
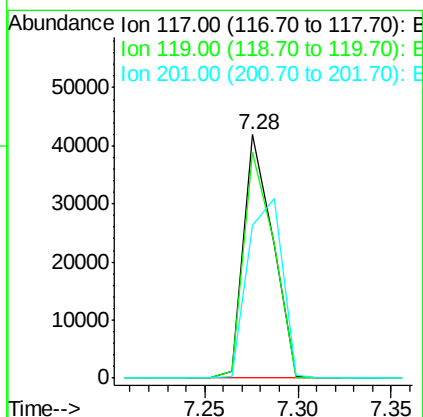
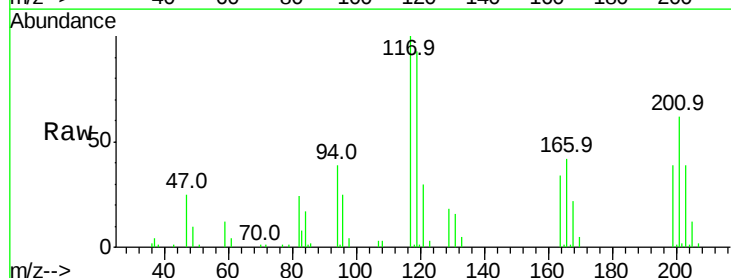
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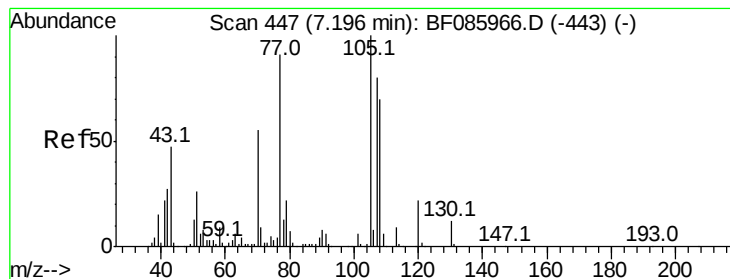
Sohil
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#18
Hexachloroethane
Concen: 15.61 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

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#





#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

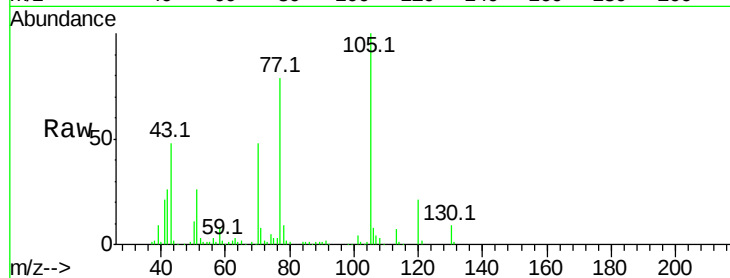
Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02



Tot Ion: 70 Resp: 78000

Ion Ratio Lower Upper

70 100

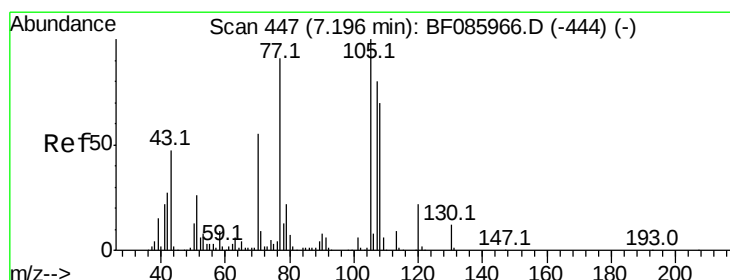
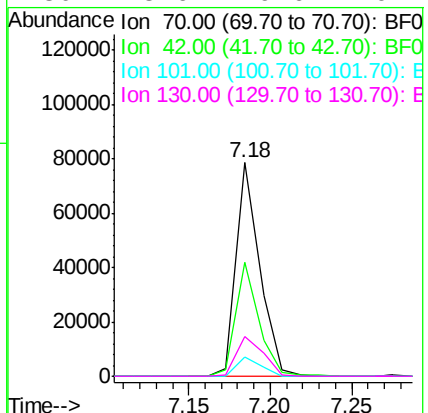
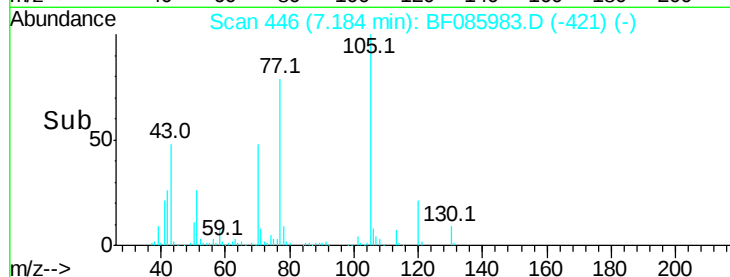
42 53.2 37.1 55.7

101 9.3 8.6 12.8

130 18.6 19.6 29.4#

Manual Integrations
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#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

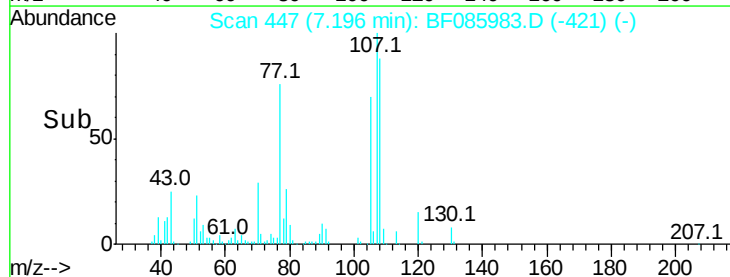
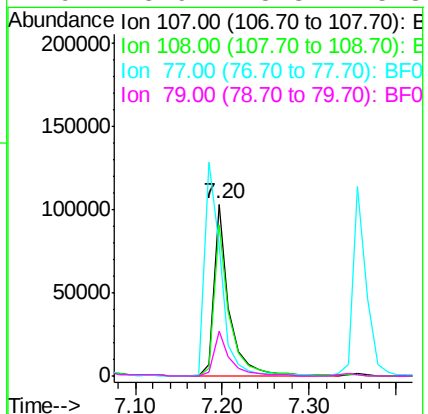
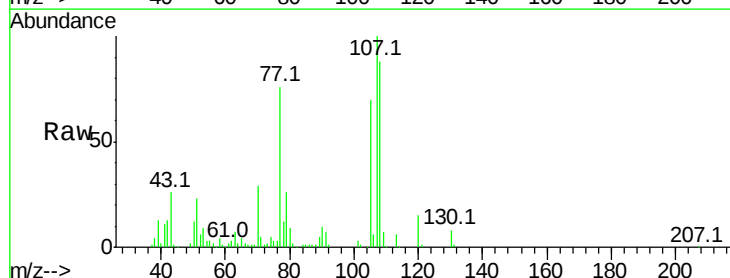
Ion Ratio Lower Upper

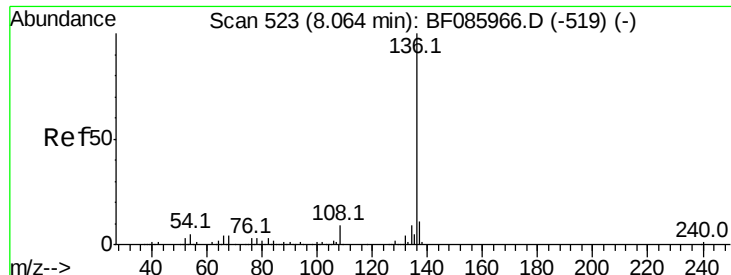
107 100

108 88.3 69.3 109.3

77 76.4 101.7 141.7#

79 25.9 8.3 48.3





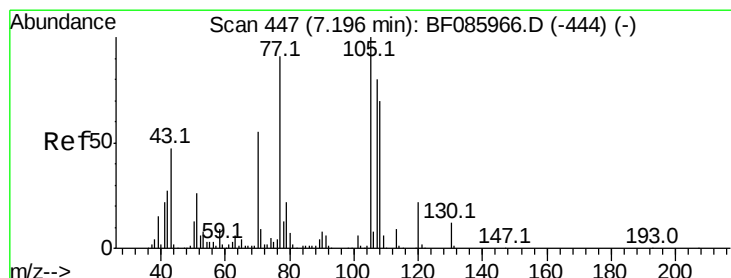
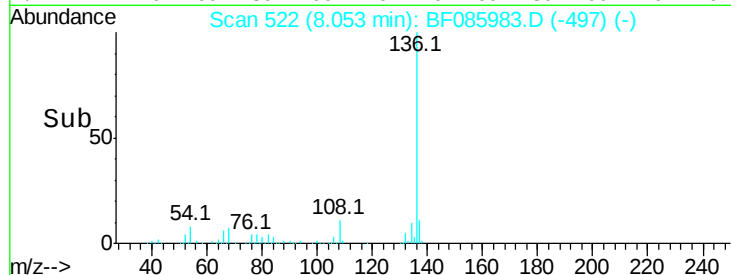
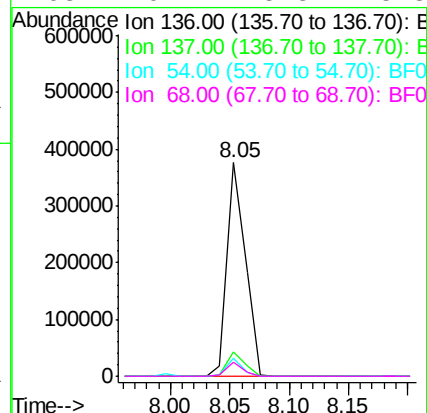
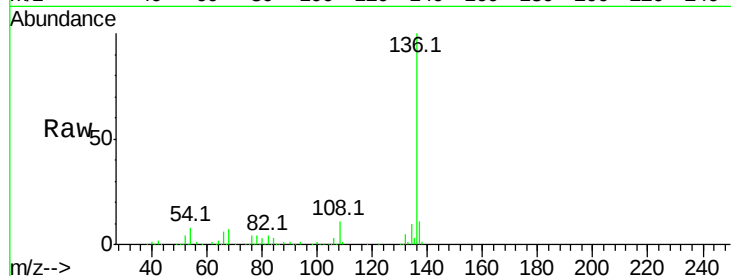
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	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	

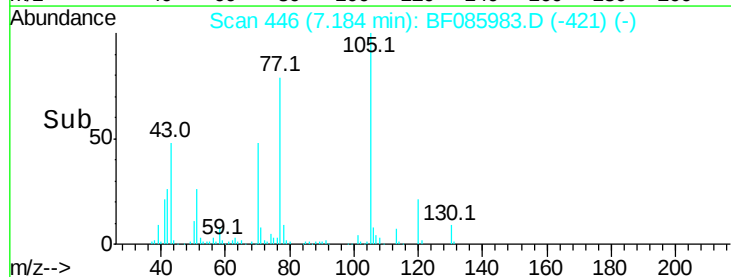
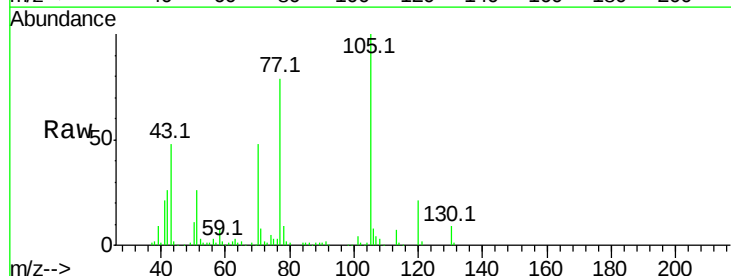
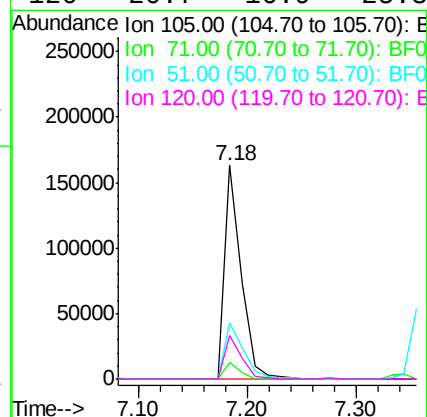
Manual Integrations
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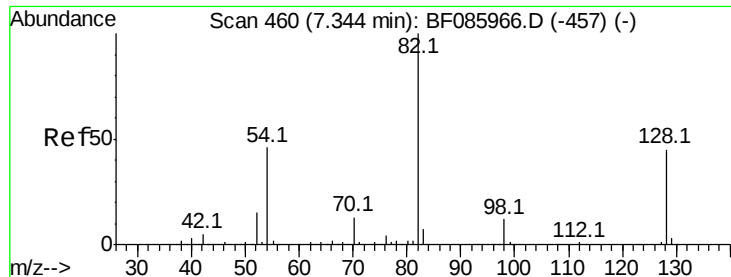
Sohil
4/4/2016 7:42:51 PM



#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	Ratio	Resp	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	





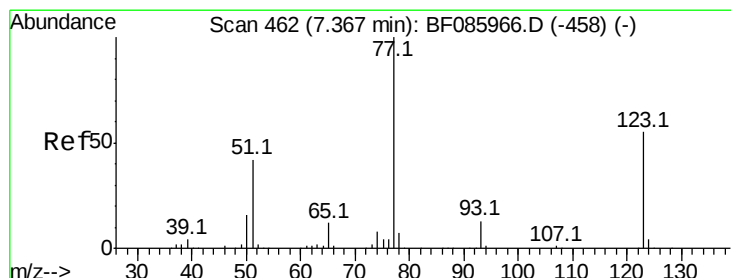
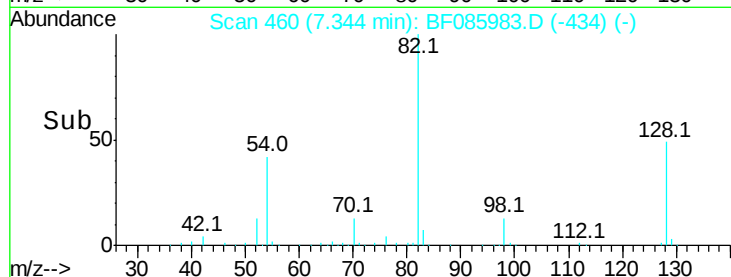
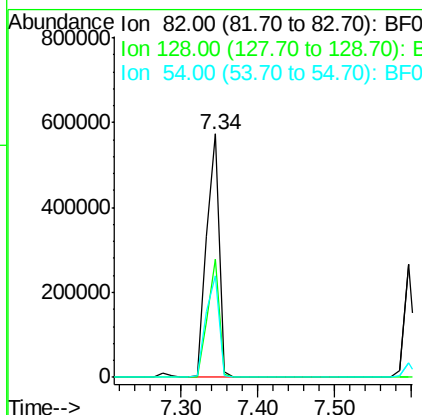
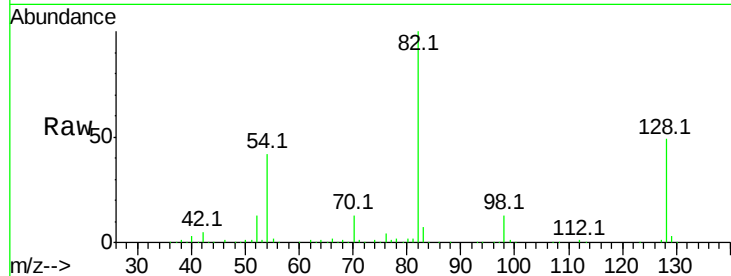
#23
Nitrobenzene-d5
Concen: 94.30 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

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

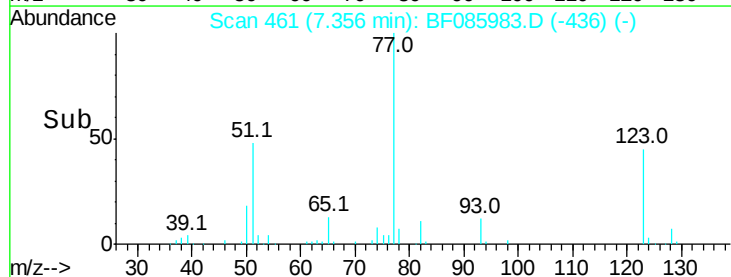
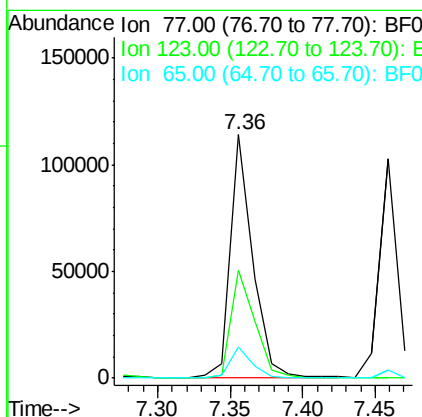
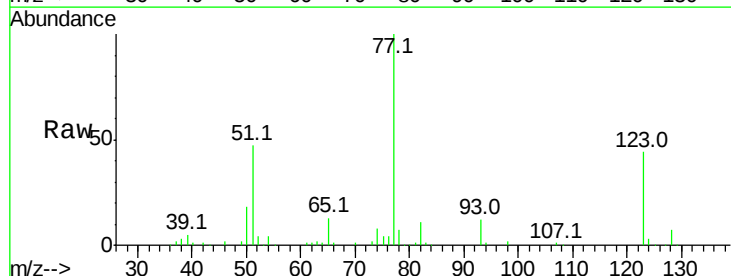
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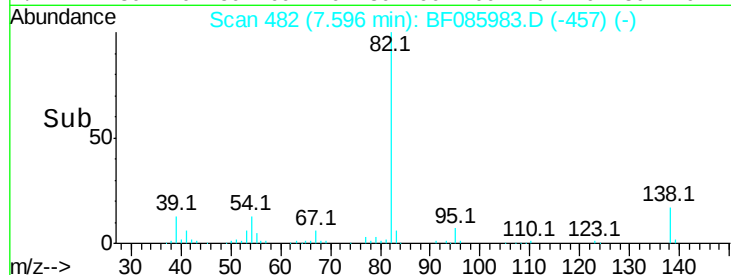
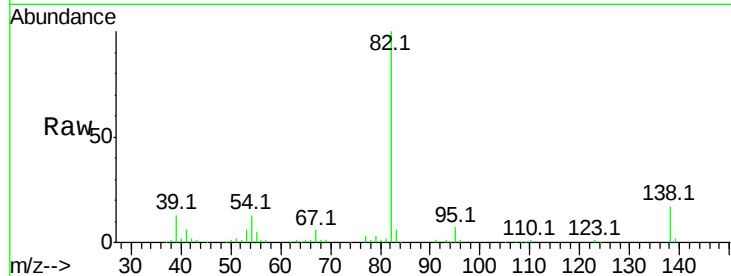
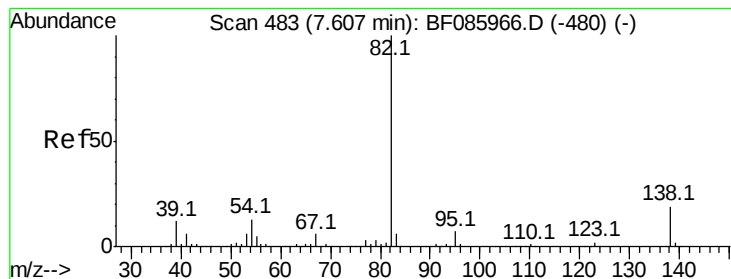
Sohil
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#24
Nitrobenzene
Concen: 16.69 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

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





#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

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

Instrument :

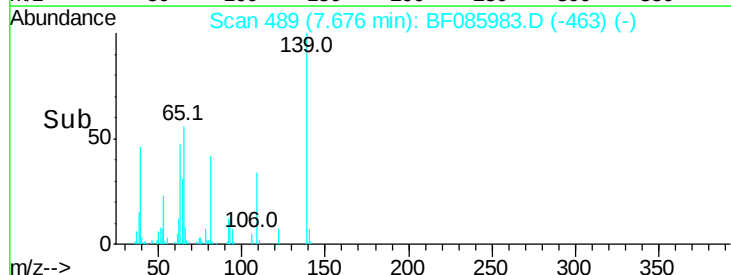
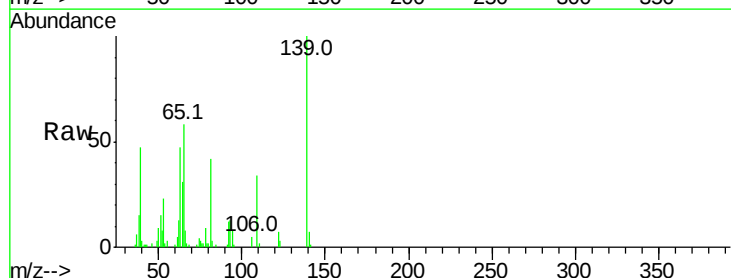
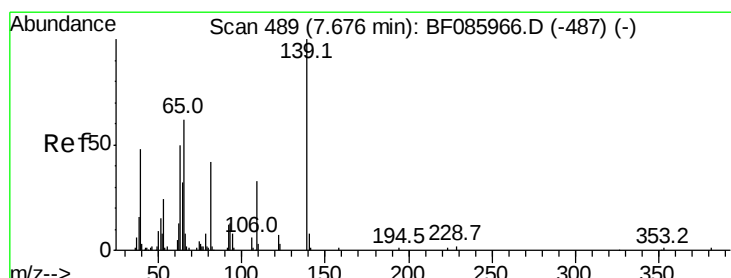
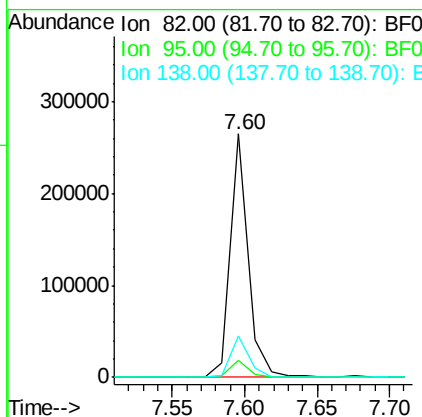
BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Manual Integrations
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#26

2-Nitrophenol

Concen: 16.61 ng

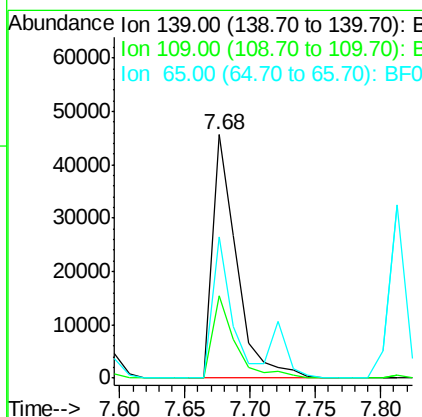
RT: 7.68 min Scan# 489

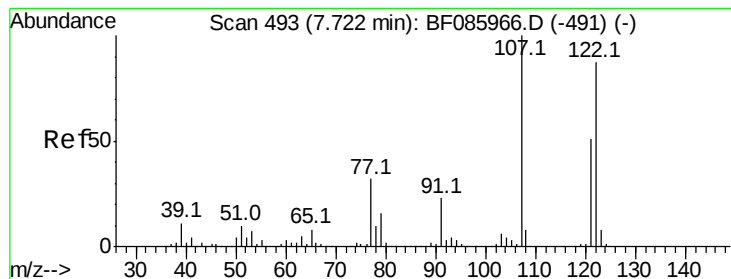
Delta R.T. -0.00 min

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#





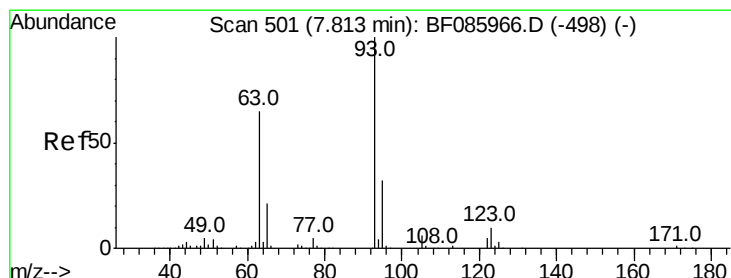
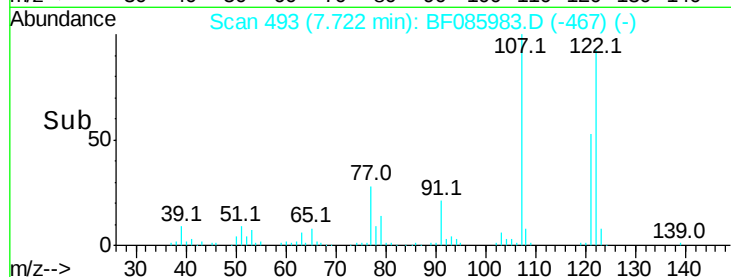
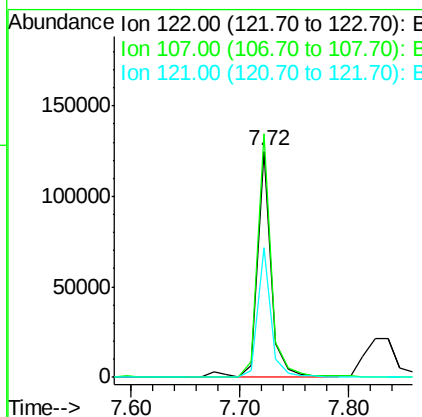
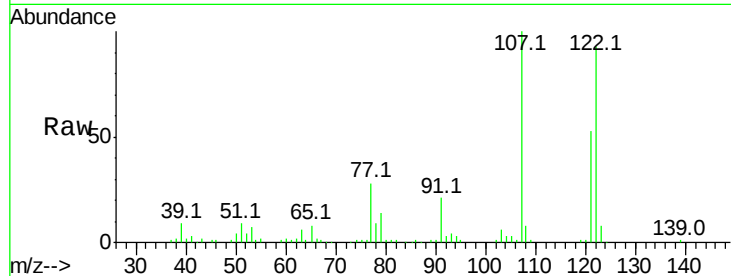
#27
2,4-Dimethylphenol
Concen: 17.71 ng
RT: 7.72 min Scan# 493
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
122	100	112392		
107	107.8	93.0	139.6	
121	57.3	45.9	68.9	

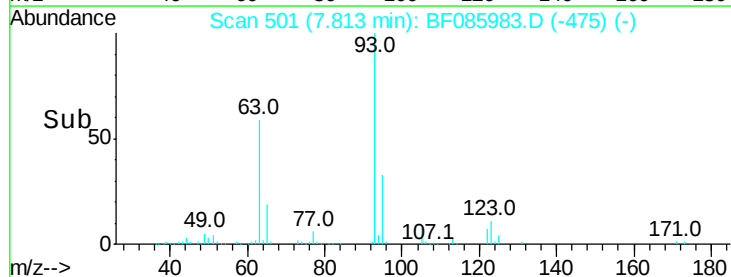
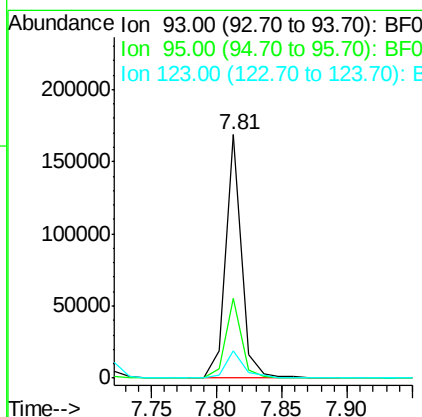
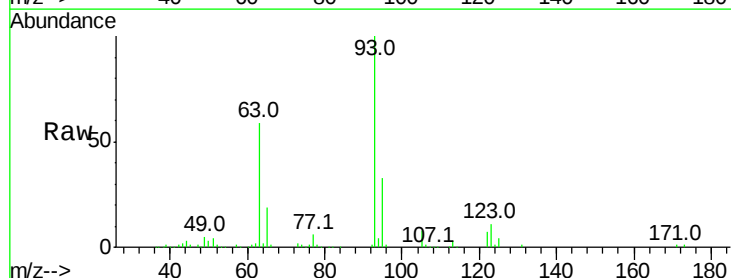
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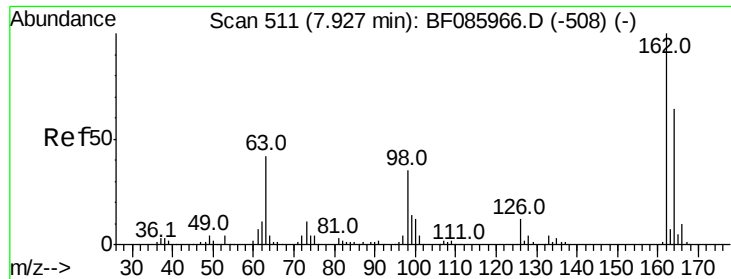
Sohil
4/4/2016 7:42:51 PM



#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	Ratio	Resp	Lower	Upper
93	100	143751		
95	32.6	26.4	39.6	
123	11.2	9.8	14.6	





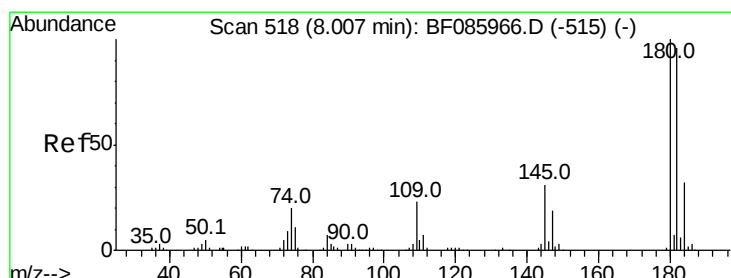
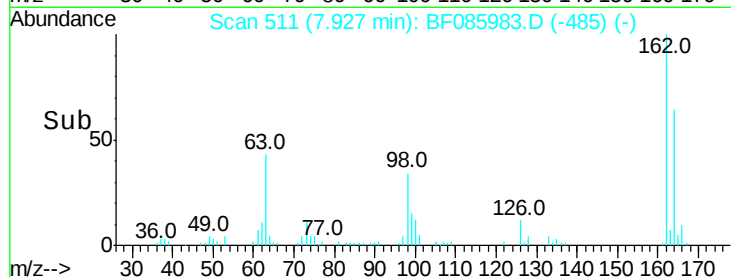
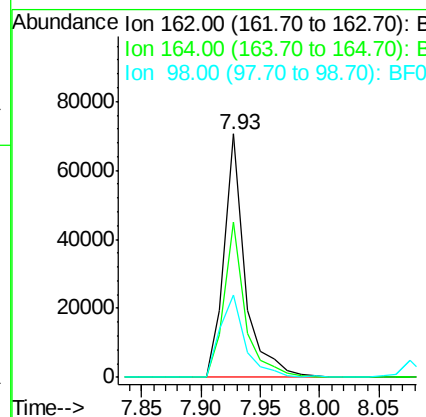
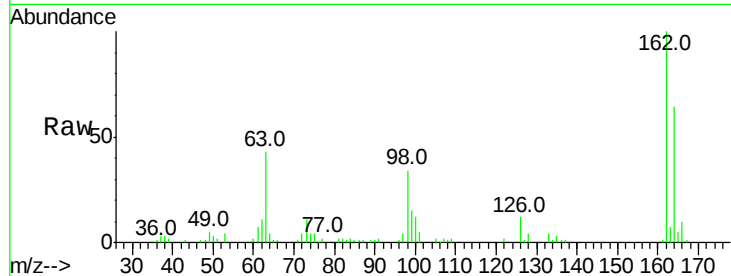
#29
2,4-Dichlorophenol
Concen: 16.04 ng
RT: 7.93 min Scan# 511
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

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

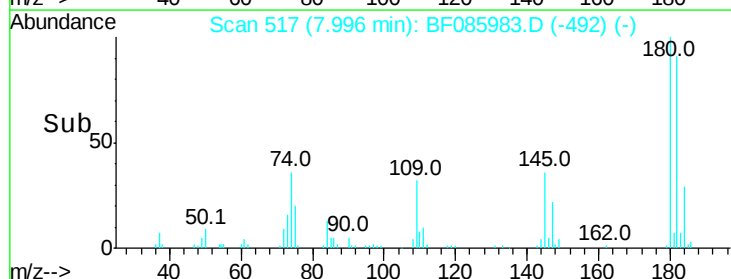
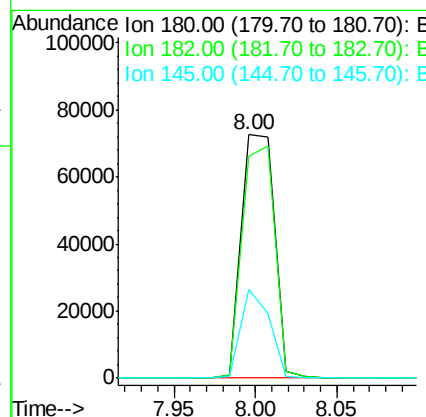
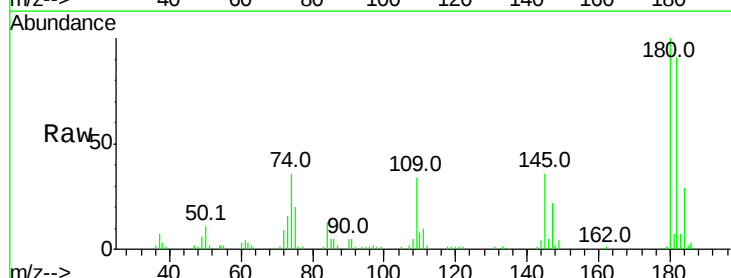
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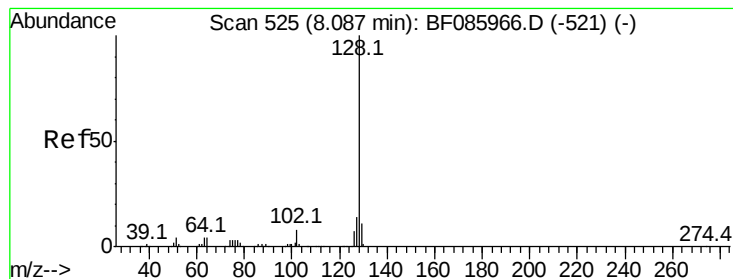
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#30
1,2,4-Trichlorobenzene
Concen: 16.84 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Resp 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

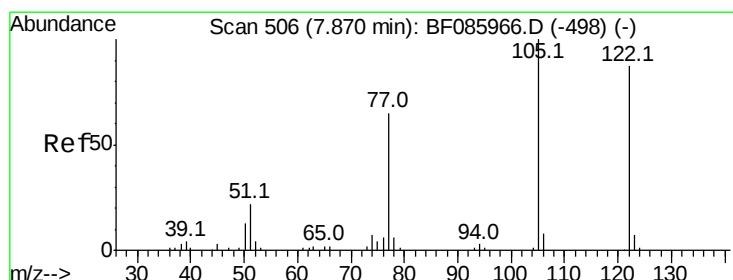
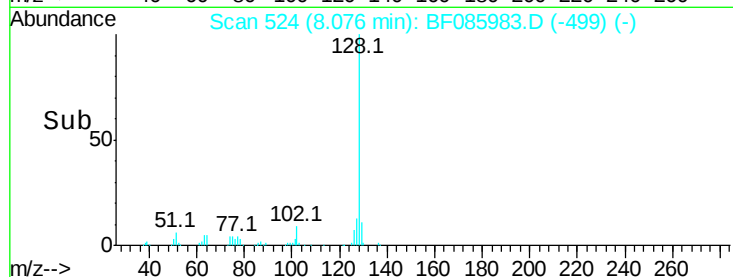
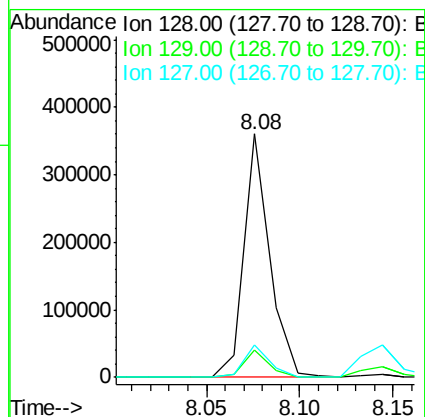
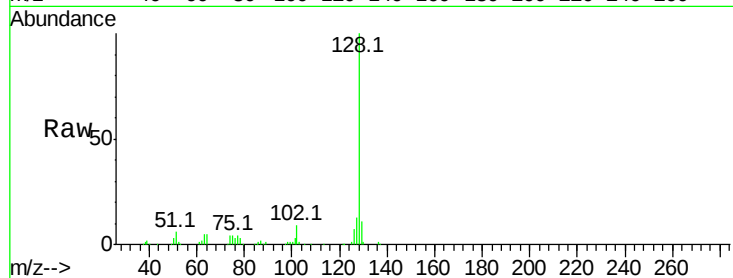
ClientSampleId :

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

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#32

Benzoic acid

Concen: 10.73 ng

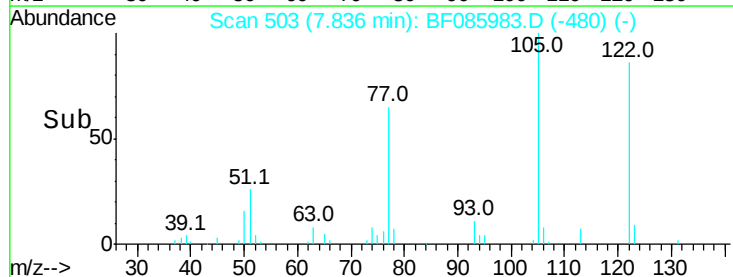
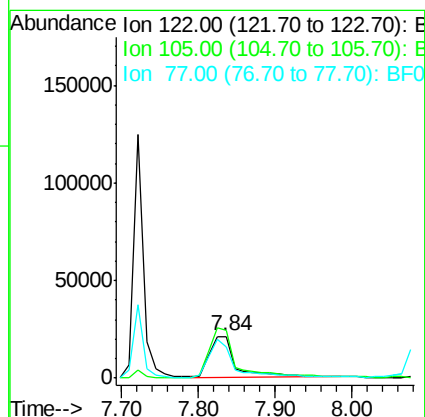
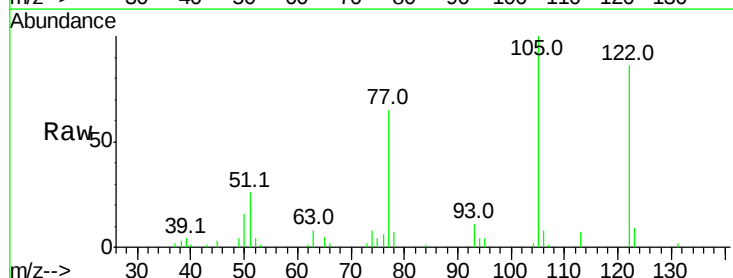
RT: 7.84 min Scan# 503

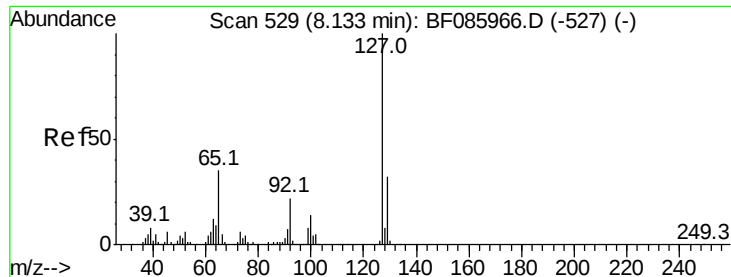
Delta R.T. -0.03 min

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





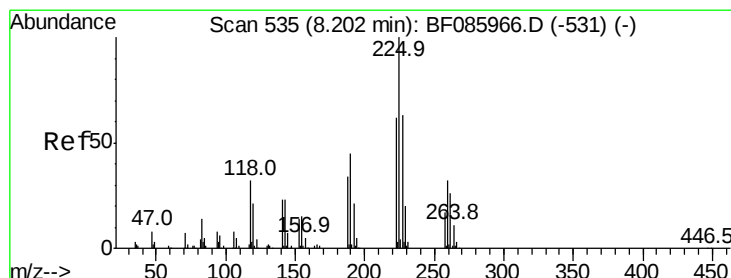
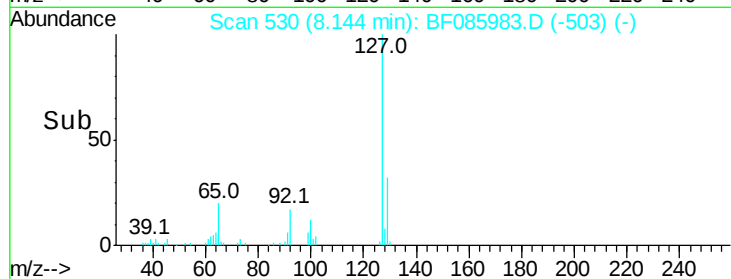
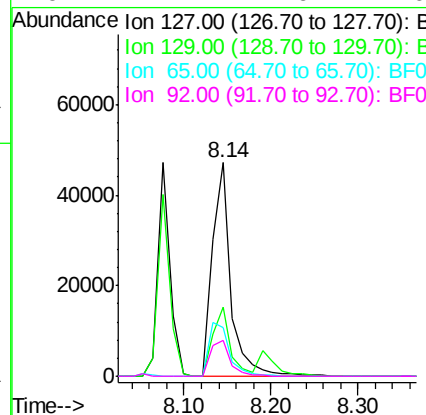
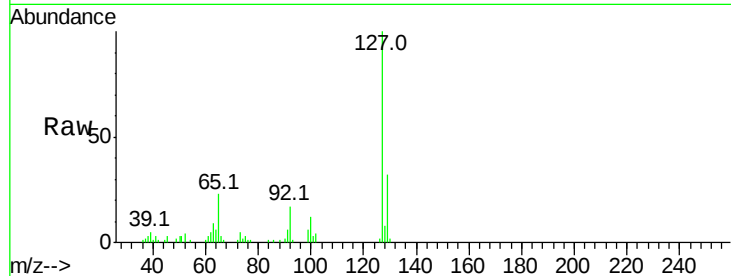
#33
4-Chloroaniline
Concen: 8.70 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		70418		
129	32.1	26.1	39.1		
65	23.1	19.5	29.3		
92	17.1	14.6	22.0		

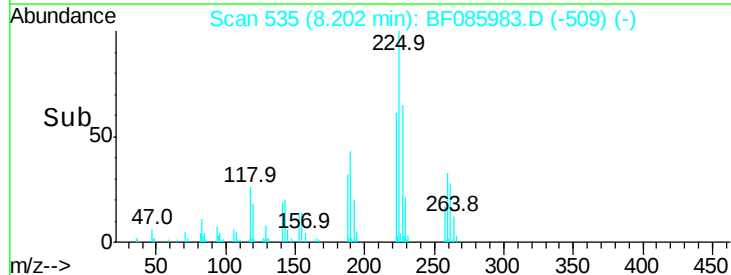
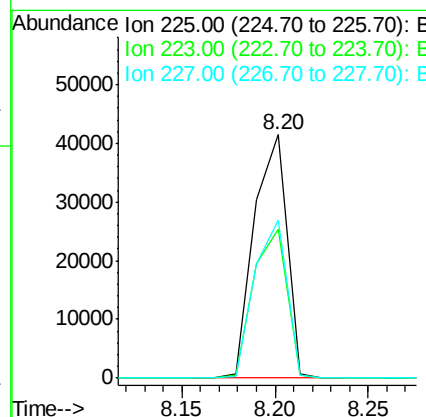
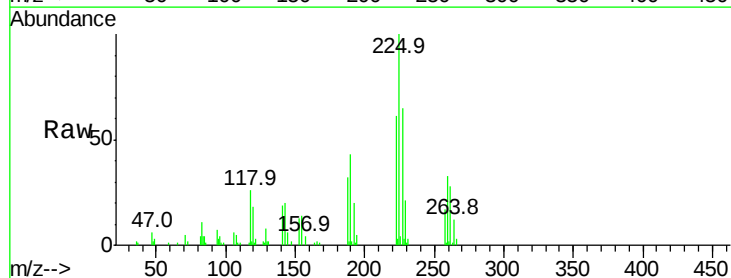
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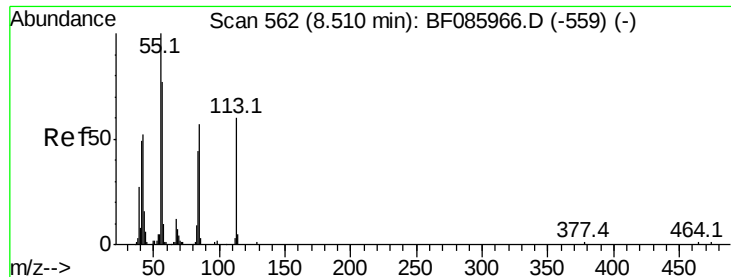
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#34
Hexachlorobutadiene
Concen: 15.53 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		50292		
223	61.0	50.4	75.6		
227	64.7	51.4	77.2		





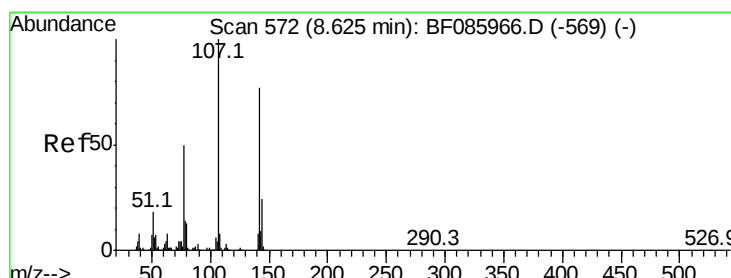
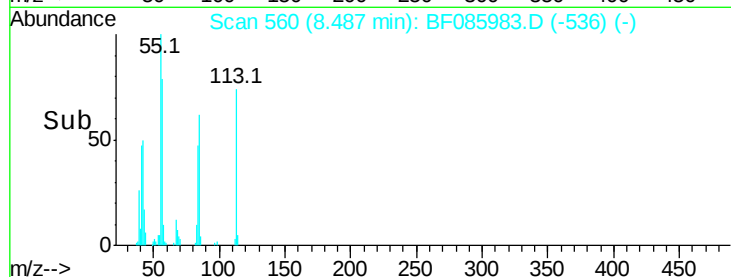
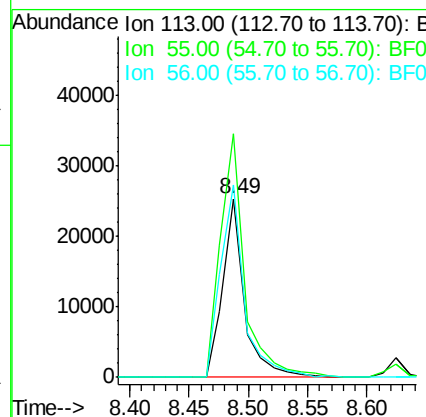
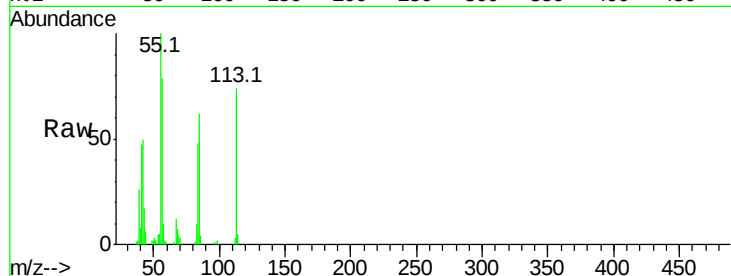
#35
 Caprolactam
 Concen: 18.66 ng
 RT: 8.49 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

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

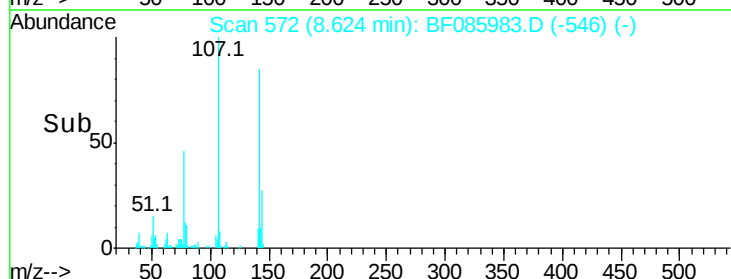
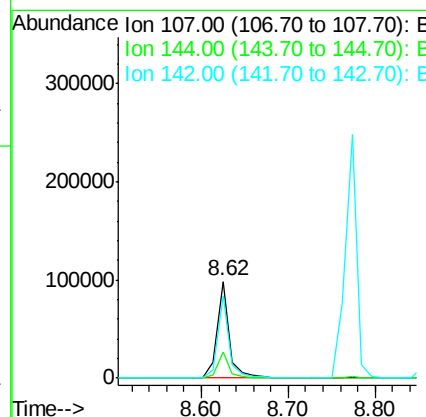
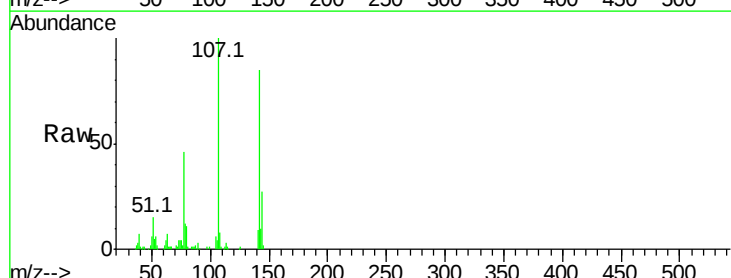
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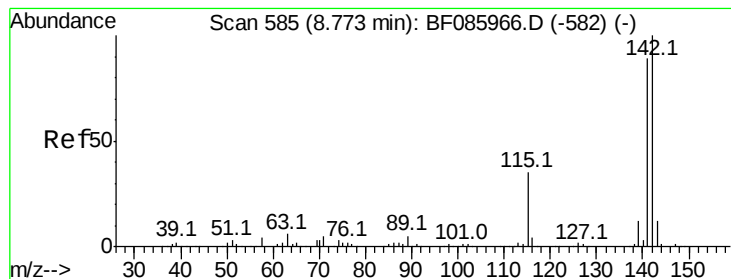
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#36
 4-Chloro-3-methylphenol
 Concen: 16.39 ng
 RT: 8.62 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	98862		
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

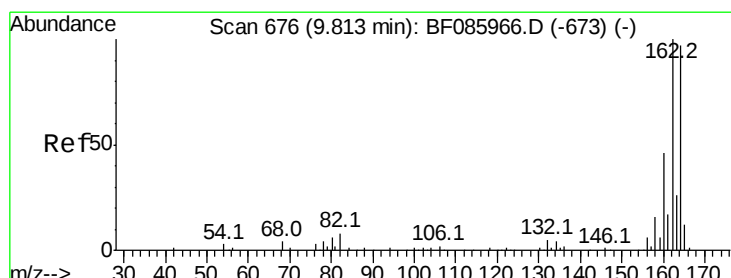
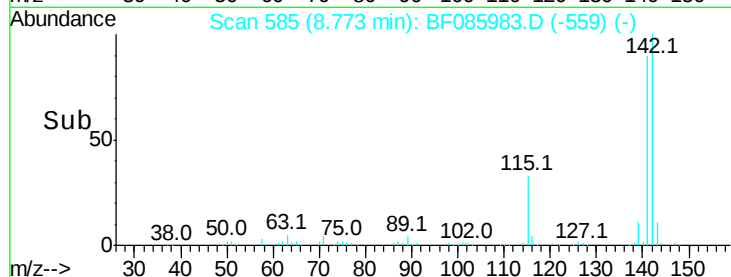
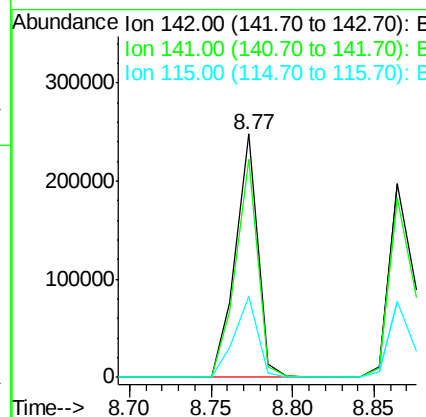
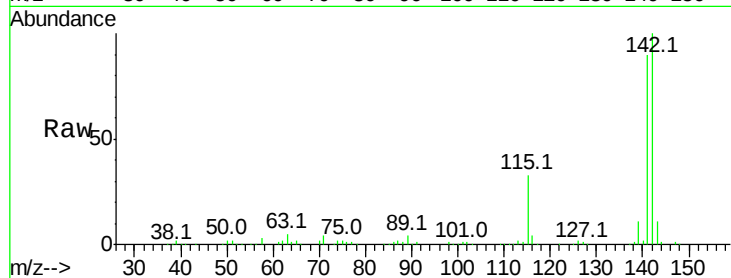
ClientSampleId :

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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

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#38

Acenaphthene-d10

Concen: 20.00 ng

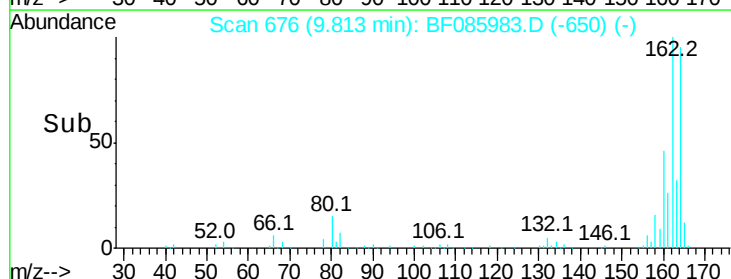
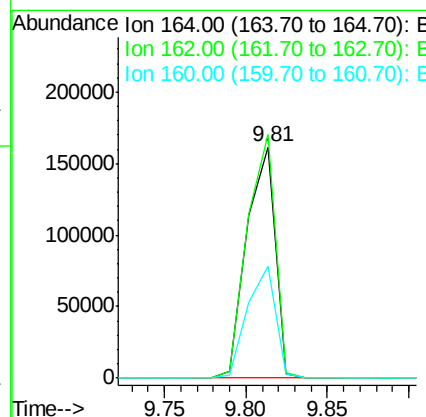
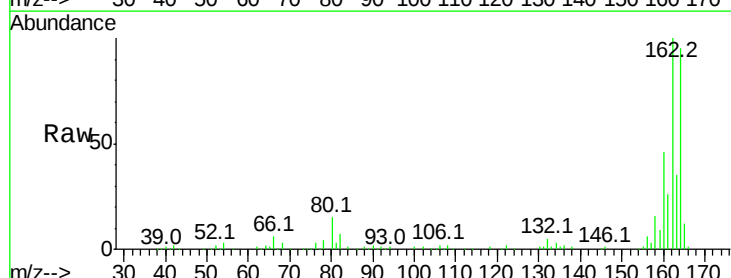
RT: 9.81 min Scan# 676

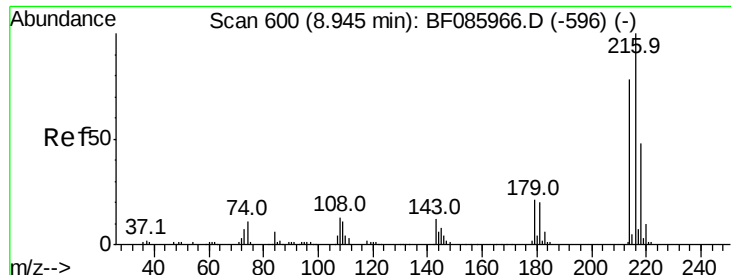
Delta R.T. -0.00 min

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





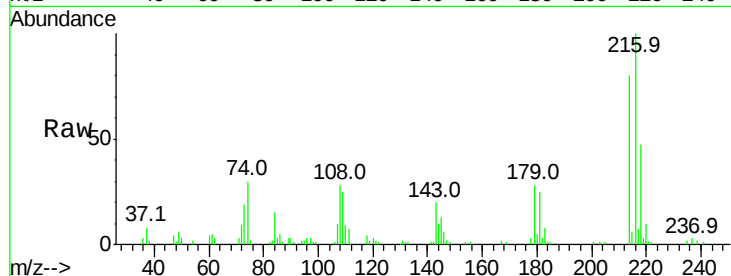
#39
1,2,4,5-Tetrachlorobenzene
Concen: 15.47 ng
RT: 8.93 min Scan# 599
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

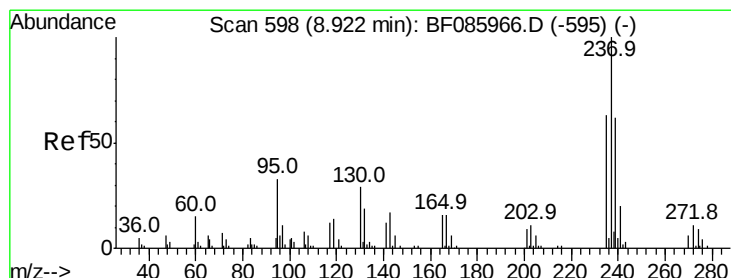
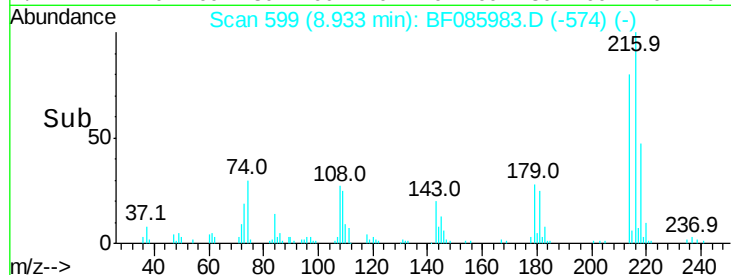
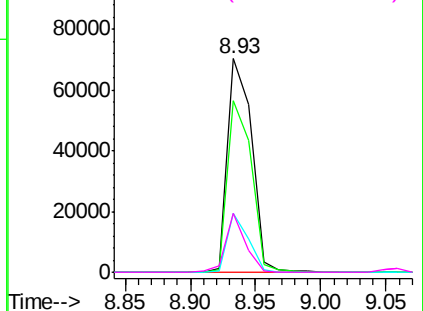
Tot Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.0	63.1	94.7	
179	23.7	18.2	27.2	
108	22.4	17.3	25.9	

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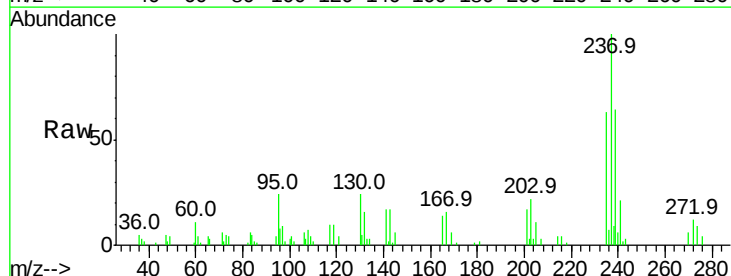


Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

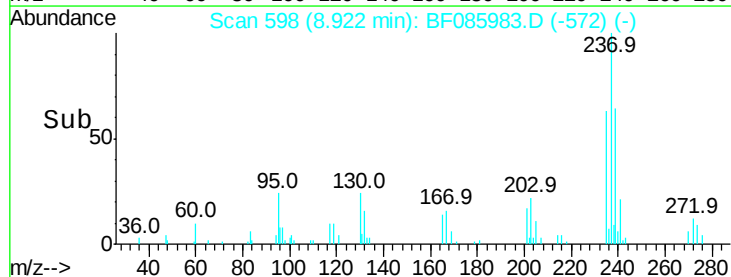
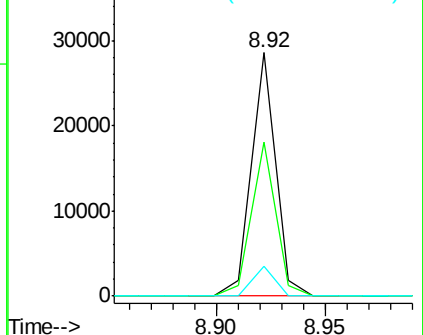


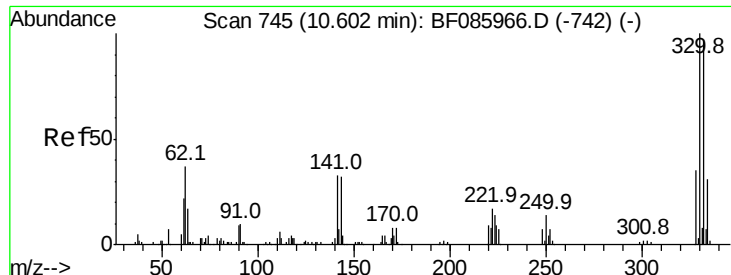
#40
Hexachlorocyclopentadiene
Concen: 18.61 ng
RT: 8.92 min Scan# 598
Delta R.T. 0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

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



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





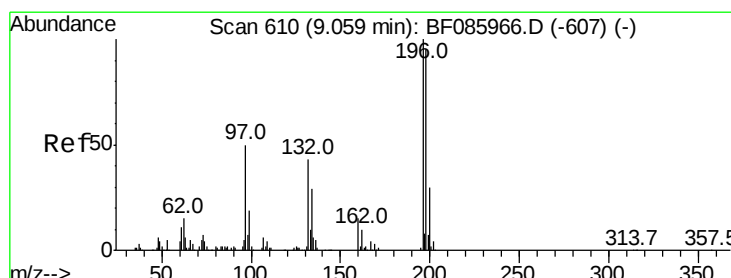
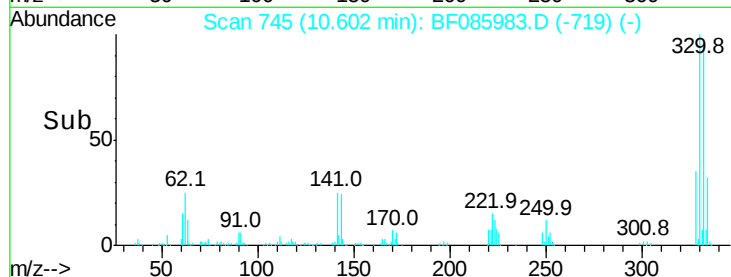
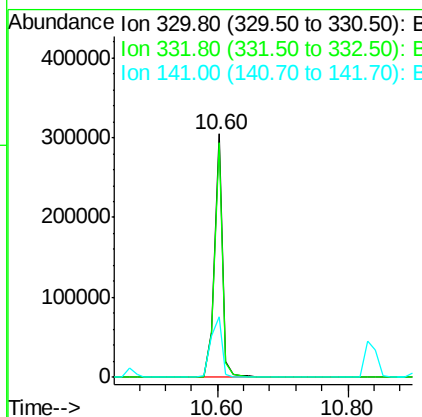
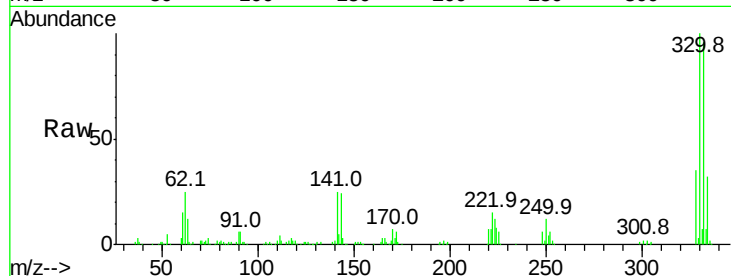
#41
 2,4,6-Tribromophenol
 Concen: 147.86 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

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

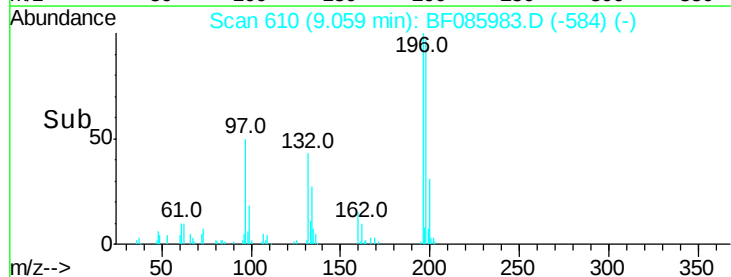
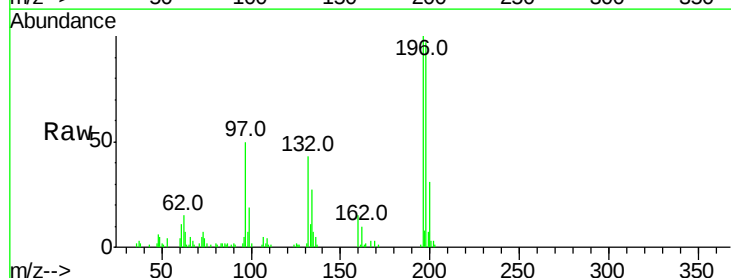
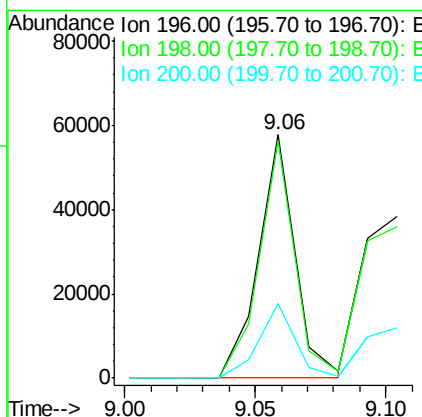
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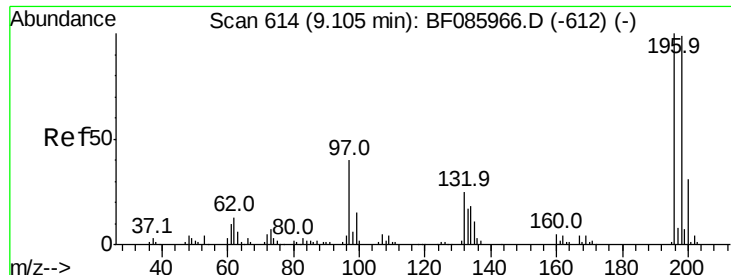
Sohil
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#42
 2,4,6-Trichlorophenol
 Concen: 14.85 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

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





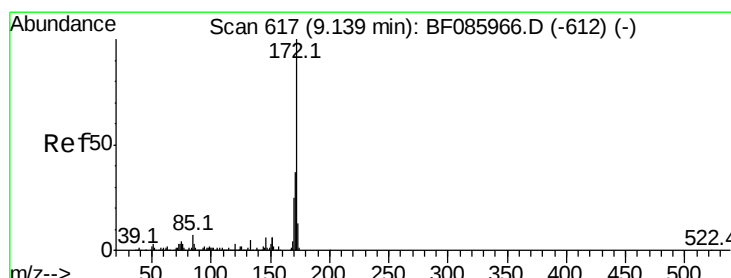
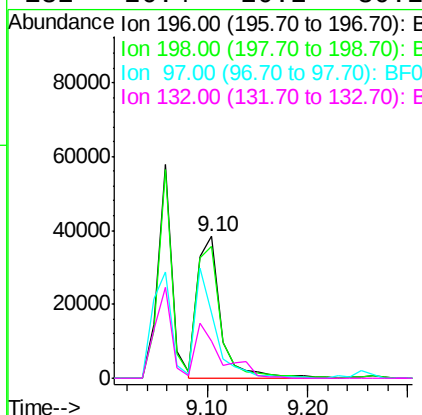
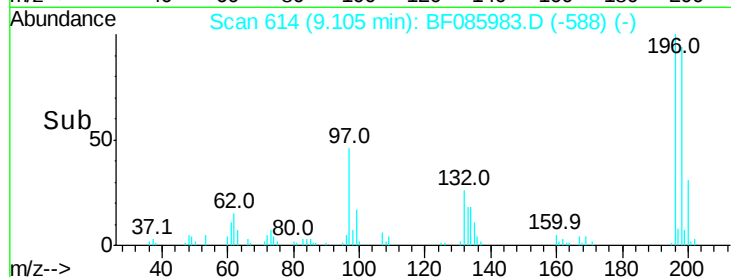
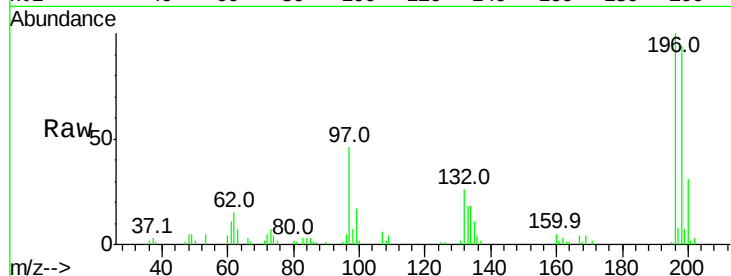
#43
 2,4,5-Trichlorophenol
 Concen: 16.57 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

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

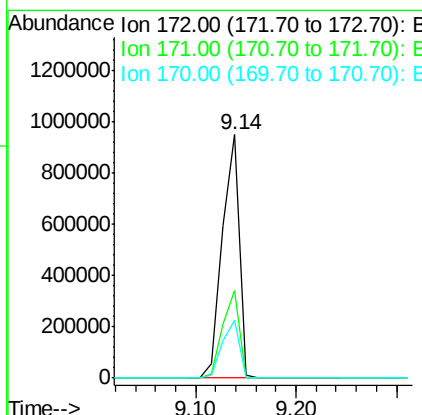
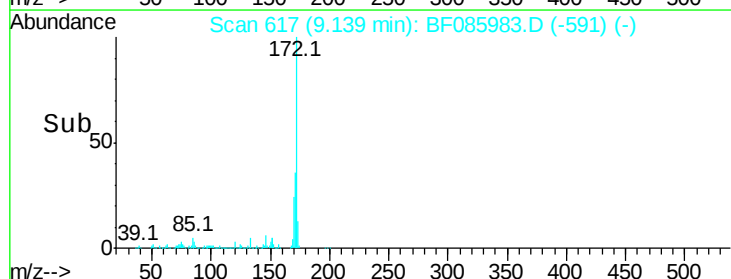
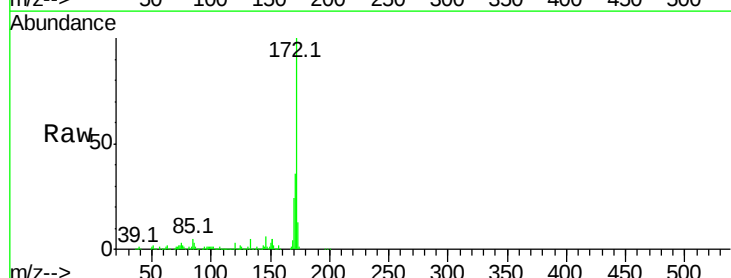
Manual Integrations
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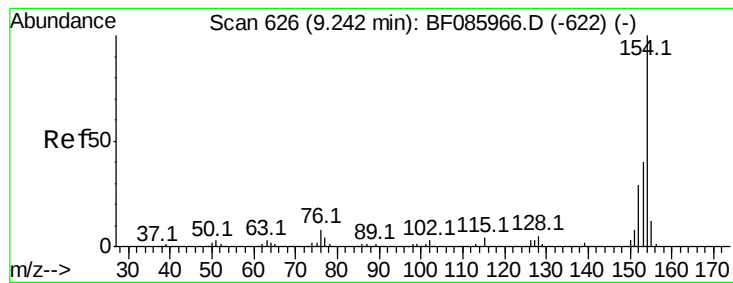
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 4/4/2016 7:42:51 PM



#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





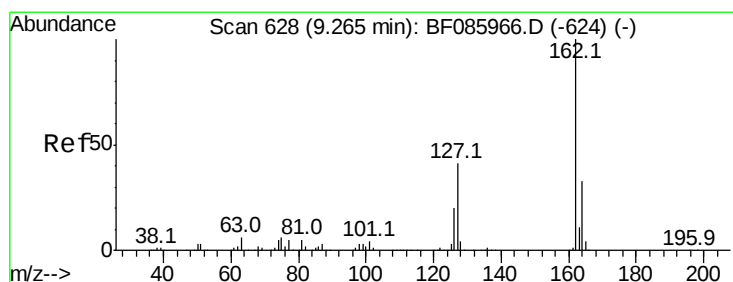
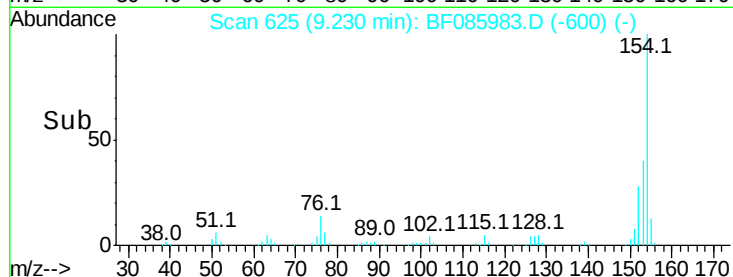
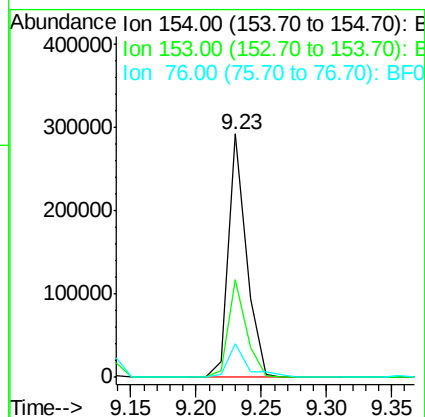
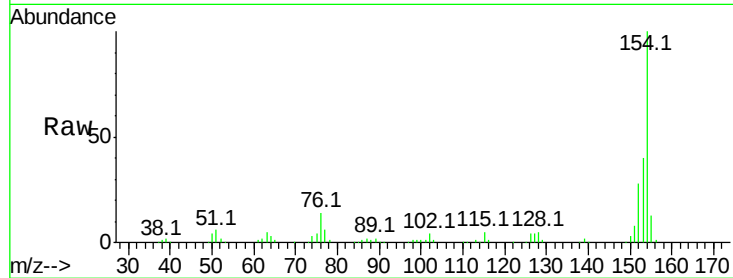
#45
1,1'-Biphenyl
Concen: 16.75 ng
RT: 9.23 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.9	20.8	60.8	
76	14.0	0.0	36.7	

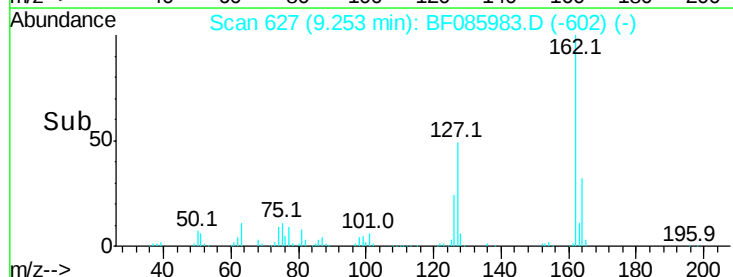
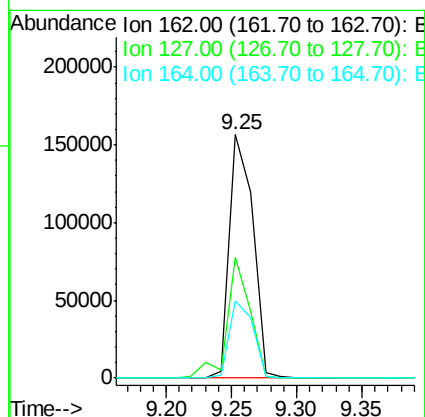
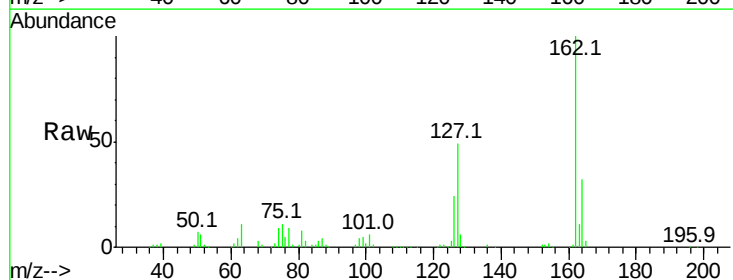
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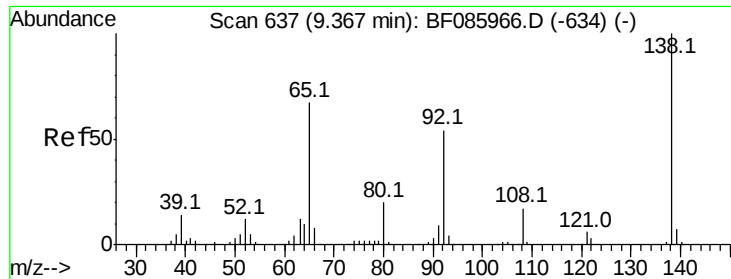
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#46
2-Chloronaphthalene
Concen: 16.17 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	49.4	31.7	47.5#	
164	31.8	27.3	40.9	





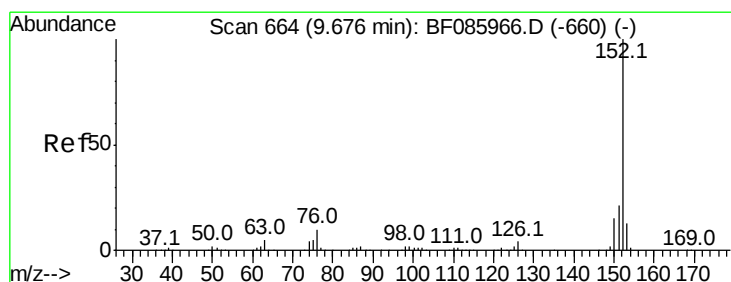
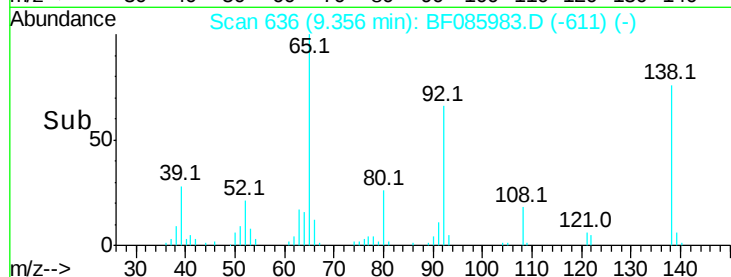
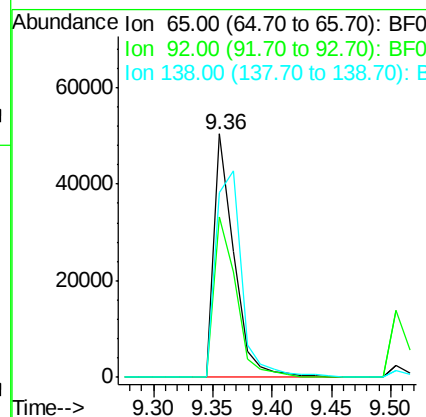
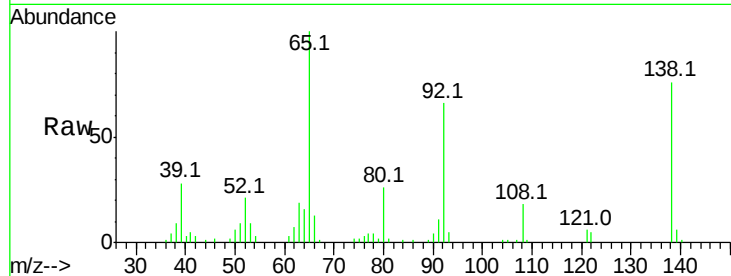
#47
2-Nitroaniline
Concen: 16.74 ng
RT: 9.36 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
65	100		
92	66.1	59.7	89.5
138	75.8	91.4	137.0

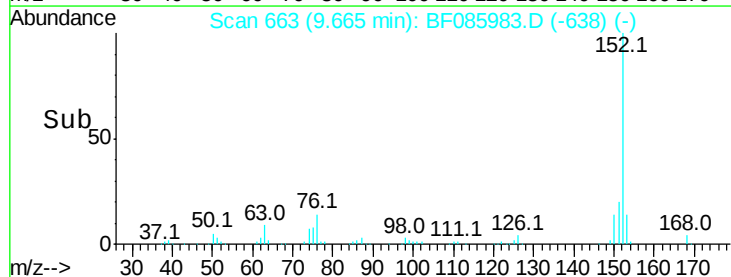
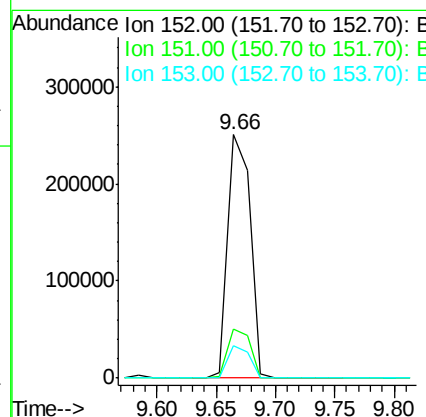
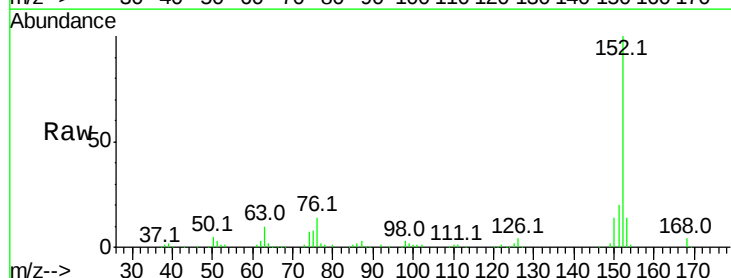
Manual Integrations
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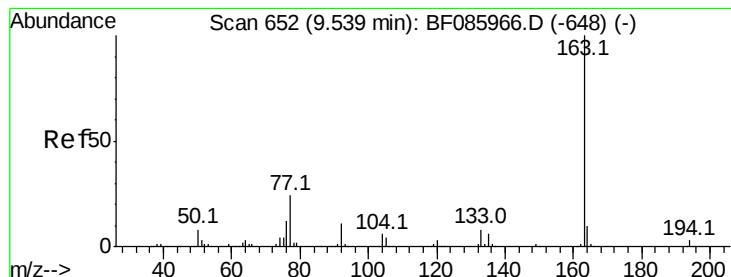
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#48
Acenaphthylene
Concen: 16.79 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion	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

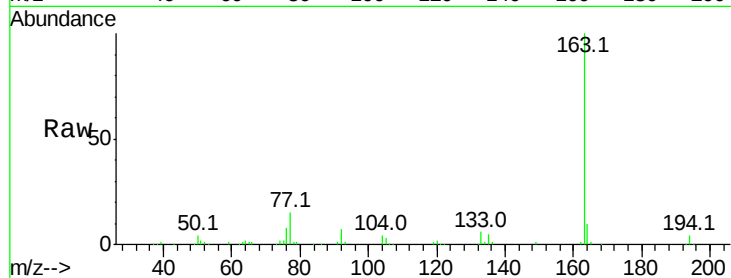
ClientSampleId :

LOQ-SOIL2016-02

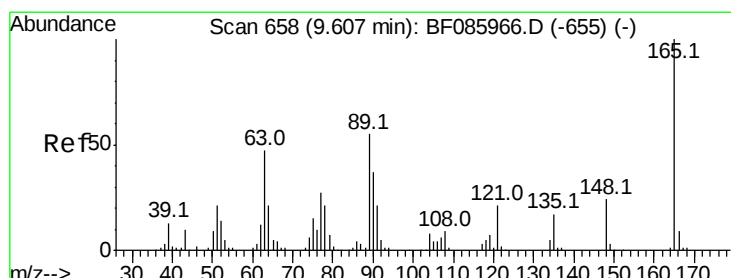
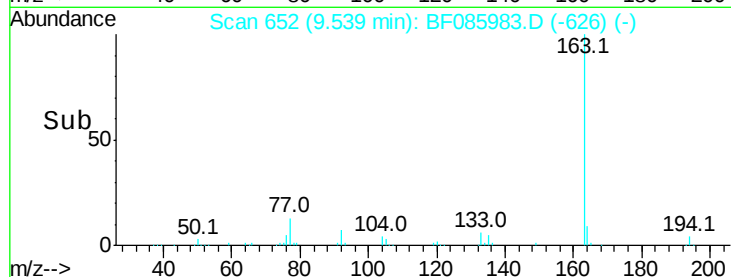
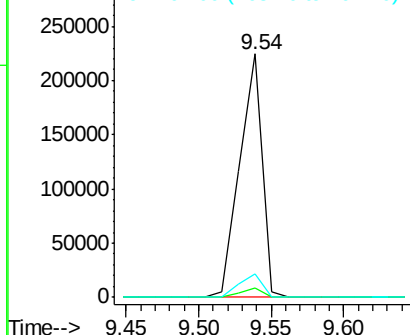
Tot Ion:	163	Resp:	240419
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.9	4.3
164	9.7	8.3	12.5

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 16.17 ng

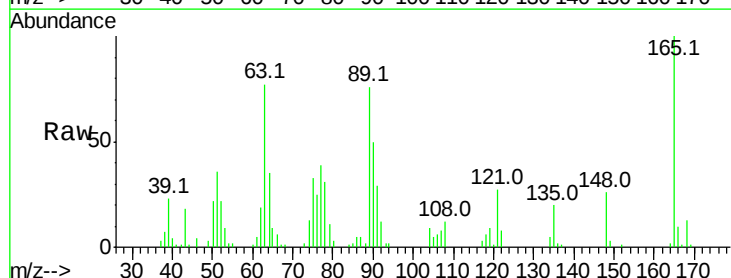
RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

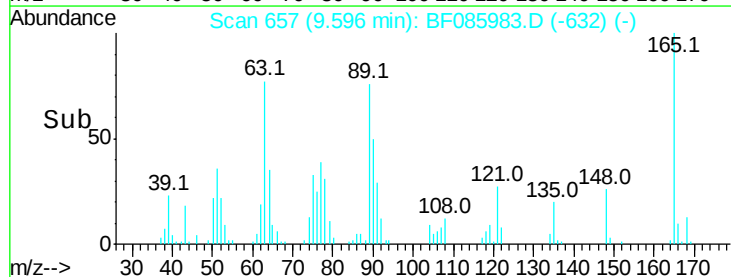
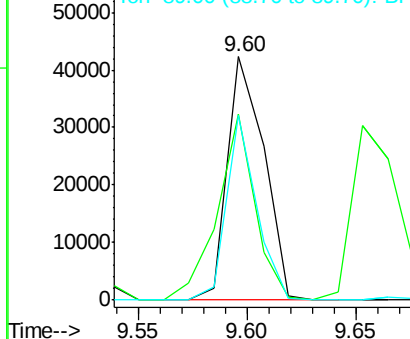
Lab File: BF085983.D

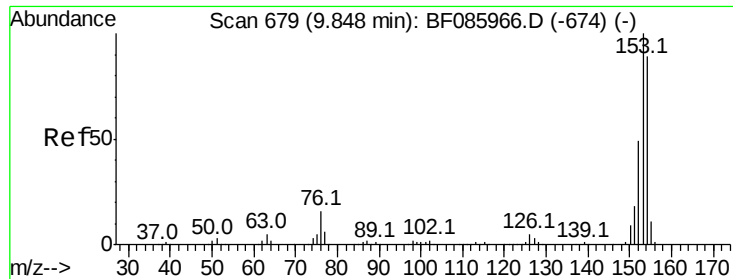
Acq: 2 Apr 2016 1:37

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

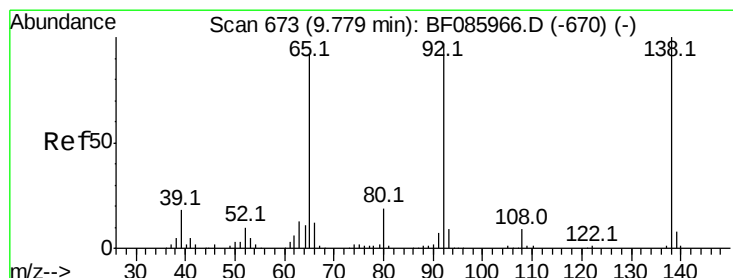
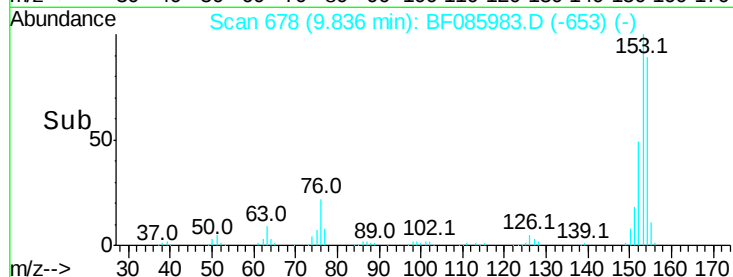
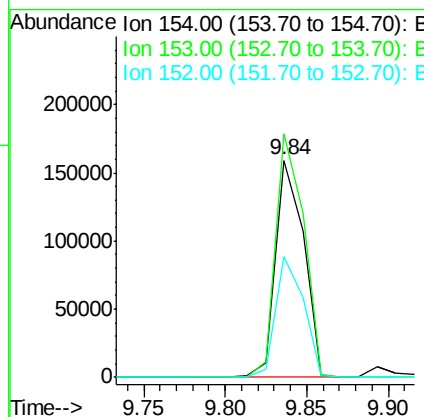
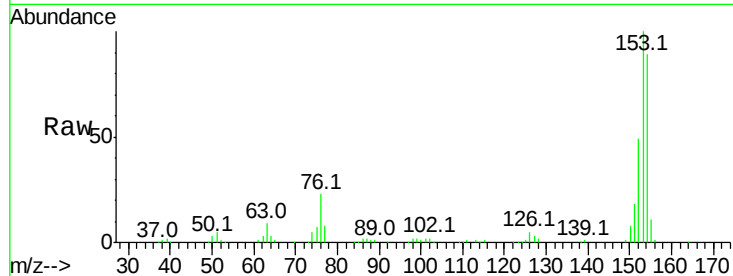
ClientSampleId :

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

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#52

3-Nitroaniline

Concen: 11.32 ng

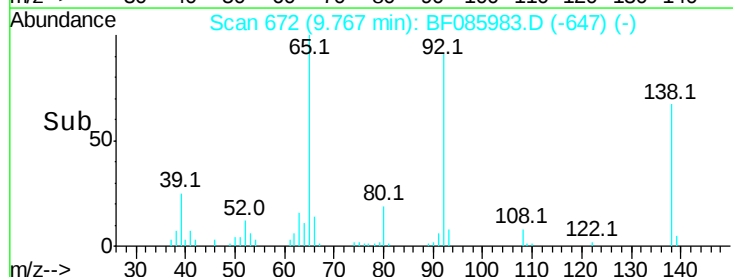
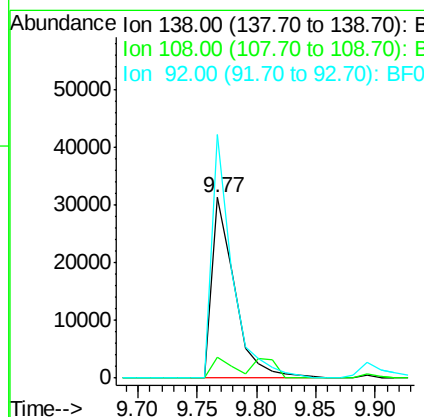
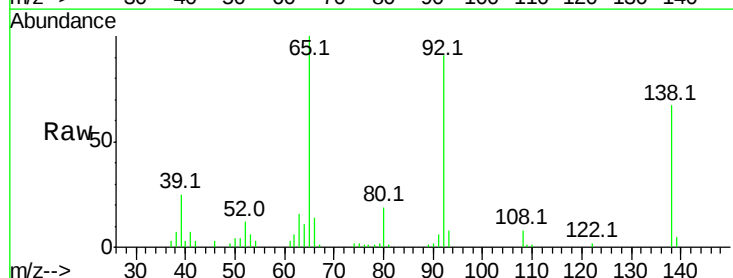
RT: 9.77 min Scan# 672

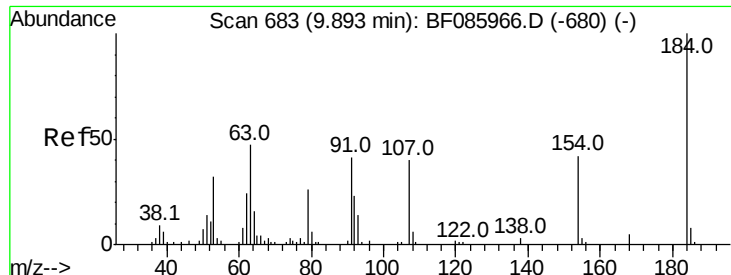
Delta R.T. -0.01 min

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





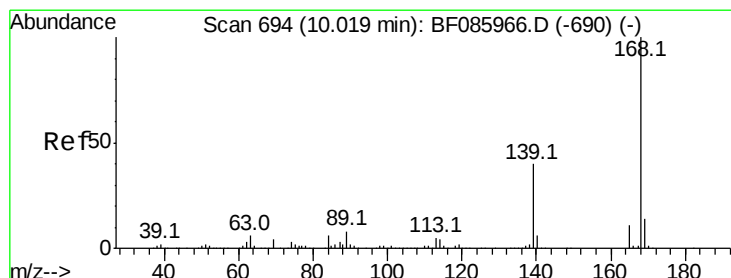
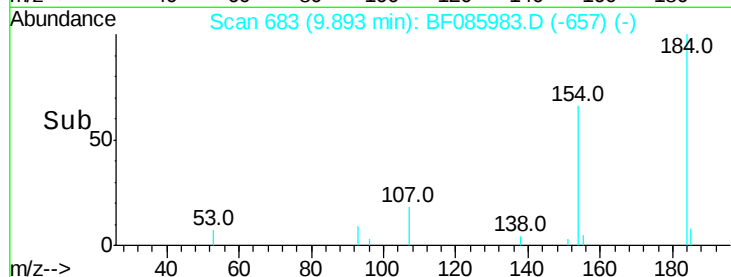
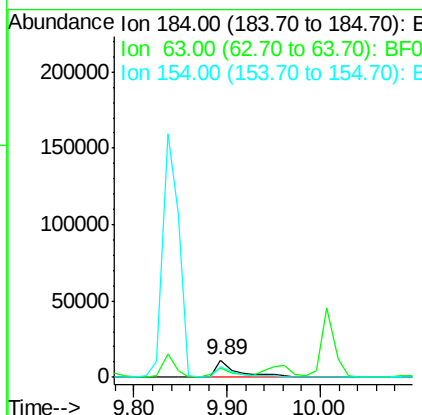
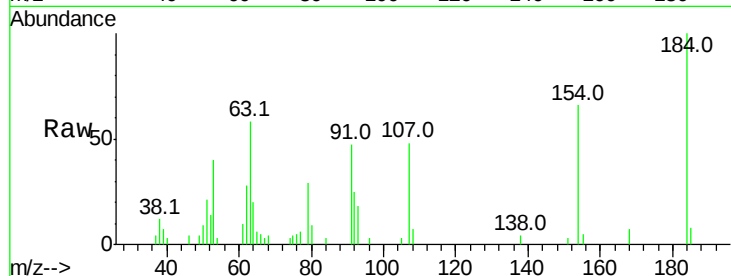
#53
 2,4-Dinitrophenol
 Concen: 16.02 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

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

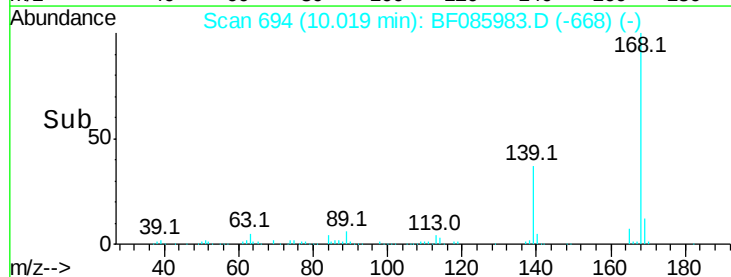
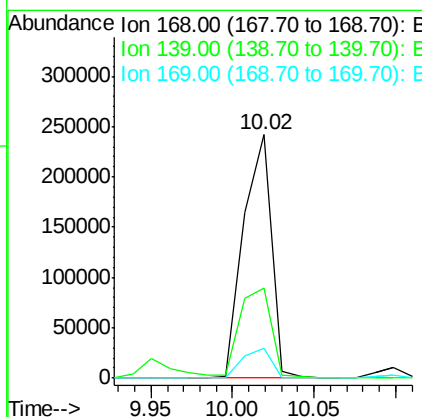
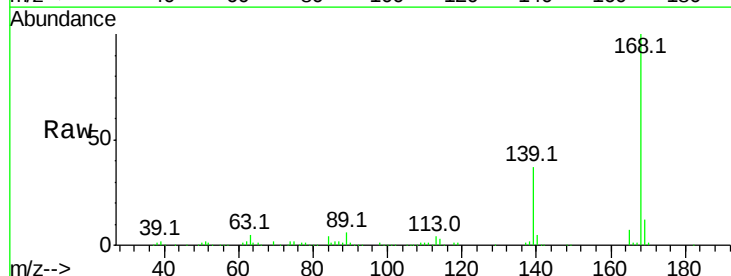
Manual Integrations
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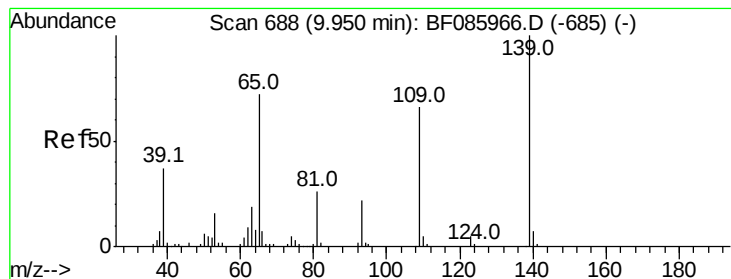
Sohil
 4/4/2016 7:42:51 PM



#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	Ratio	Resp	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

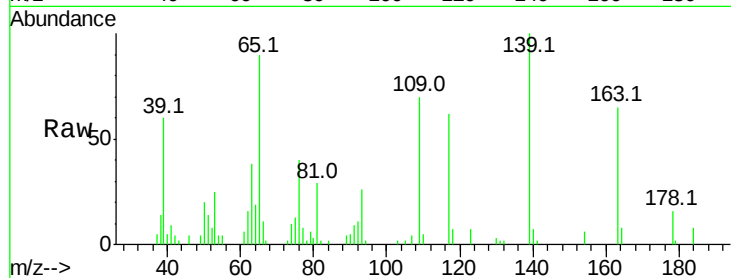
ClientSampleId :

LOQ-SOIL2016-02

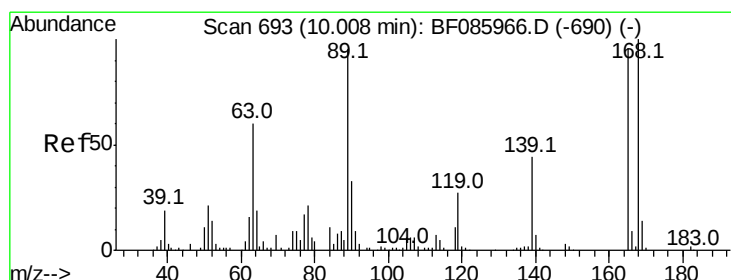
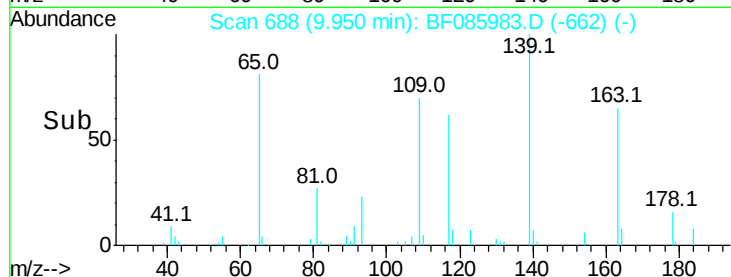
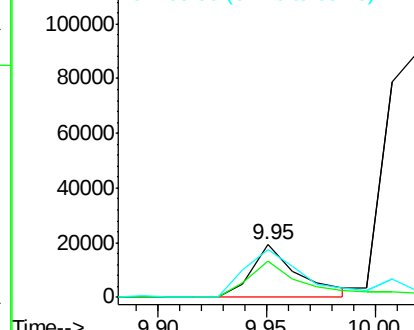
Tot Ion:	139	Resp:	29070
Ion Ratio	Lower	Upper	
139	100		
109	69.7	49.2	89.2
65	89.5	66.9	106.9

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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

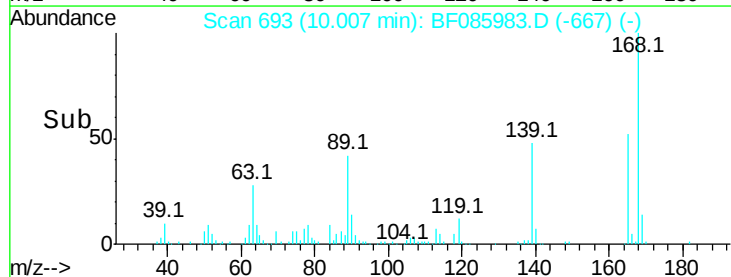
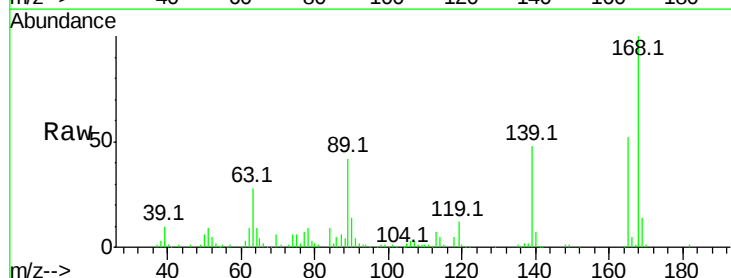
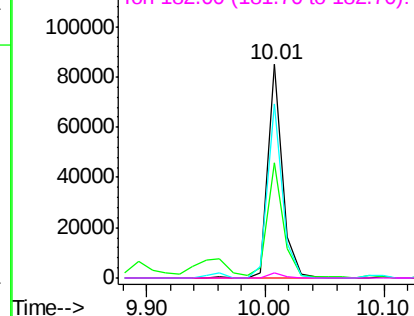
Delta R.T. -0.00 min

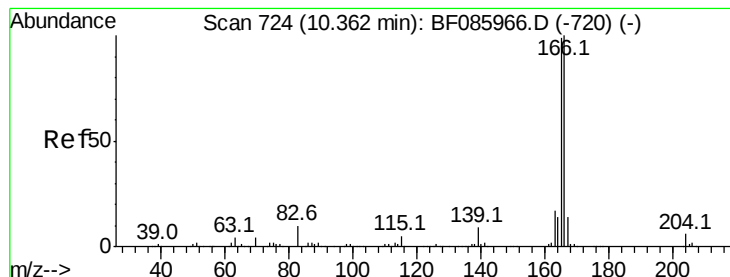
Lab File: BF085983.D

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

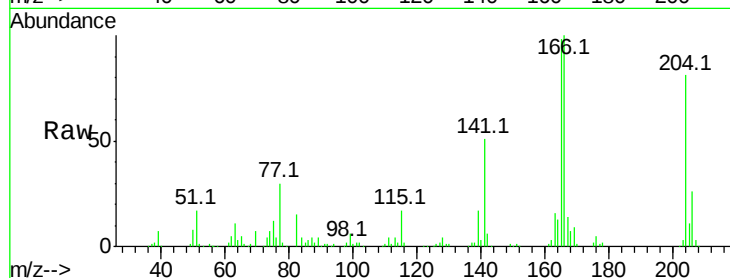
166 100

165 97.8 79.4 119.0

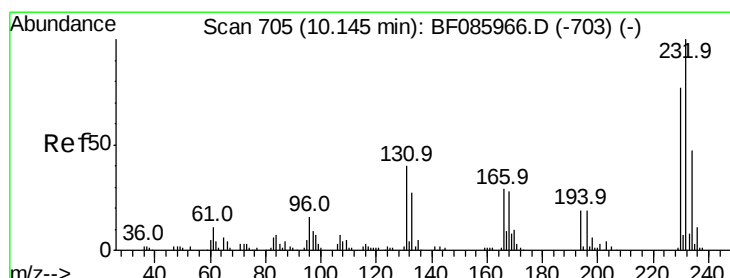
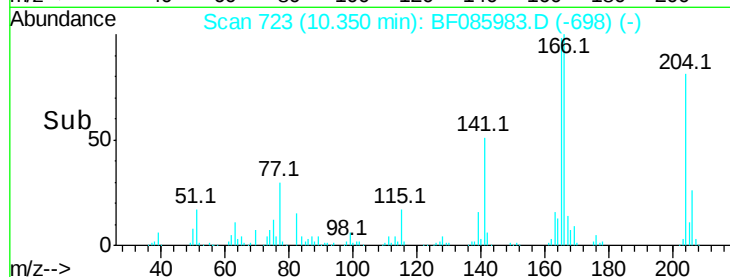
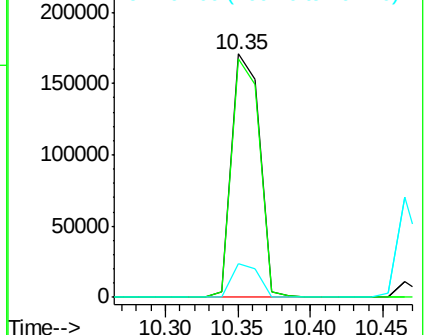
167 14.0 11.0 16.4

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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

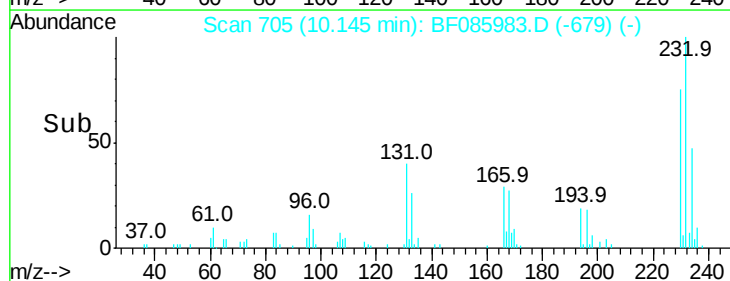
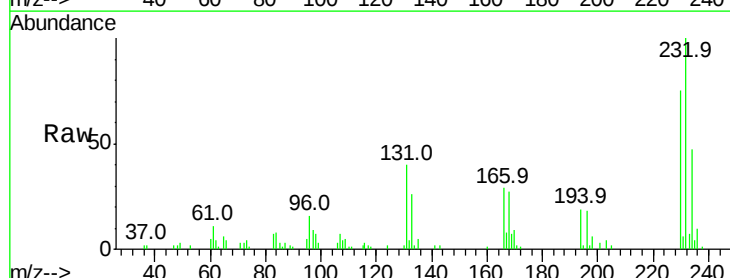
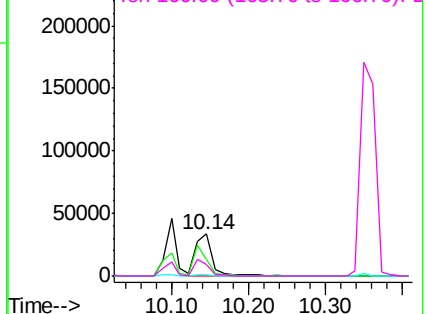
232 100

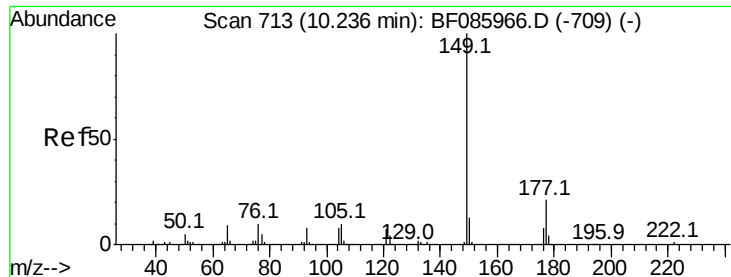
131 59.0 44.9 67.3

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





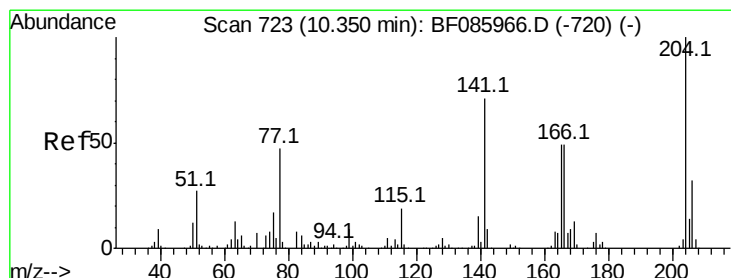
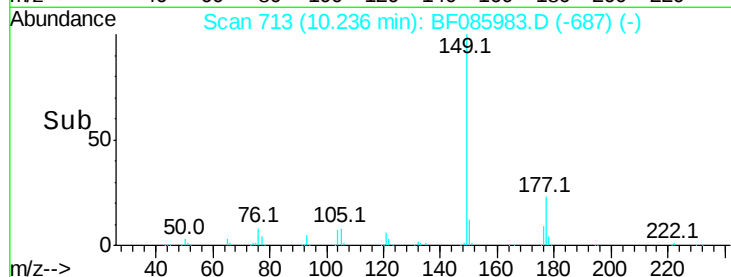
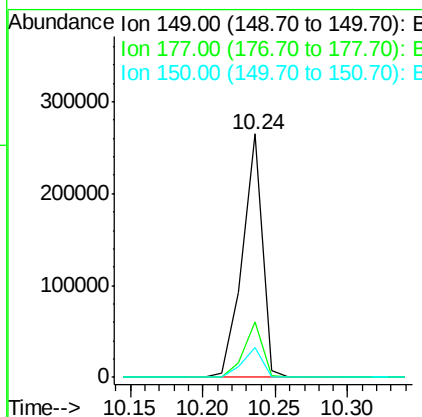
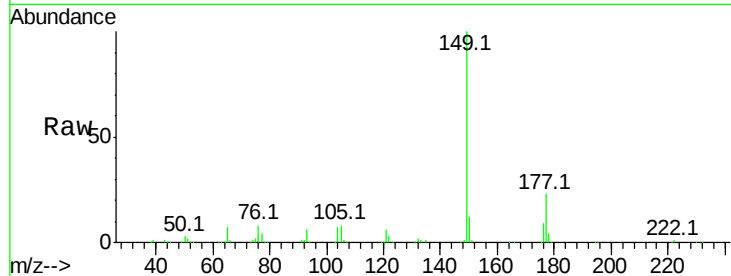
#59
Diethylphthalate
Concen: 17.42 ng
RT: 10.24 min Scan# 713
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
149	100	253683		
177	22.8	17.9	26.9	
150	12.2	10.2	15.2	

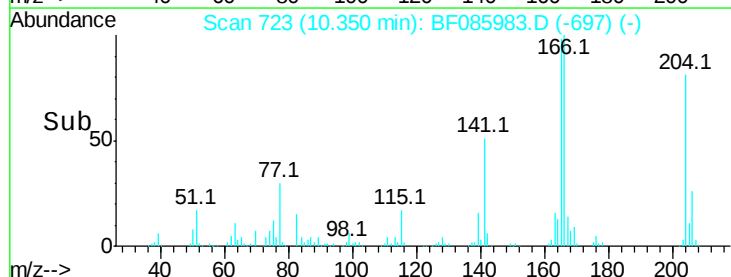
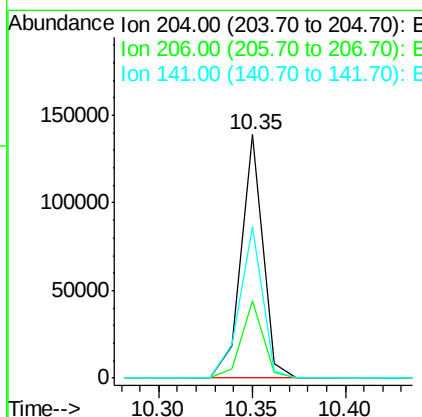
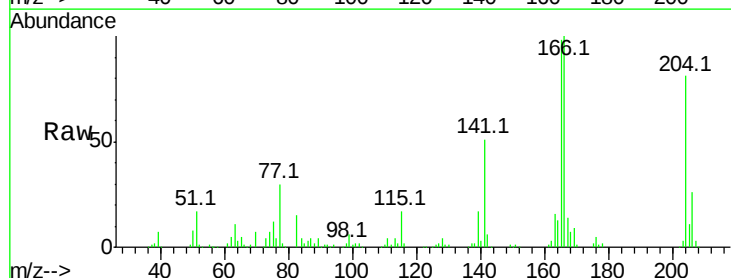
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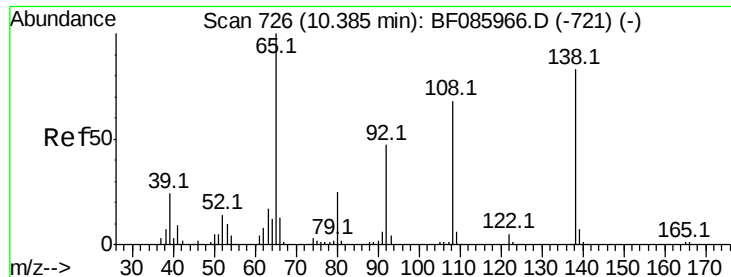
Sohil
4/4/2016 7:42:51 PM



#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	Ratio	Resp	Lower	Upper
204	100	113666		
206	31.9	26.6	39.8	
141	62.3	57.4	86.0	





#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

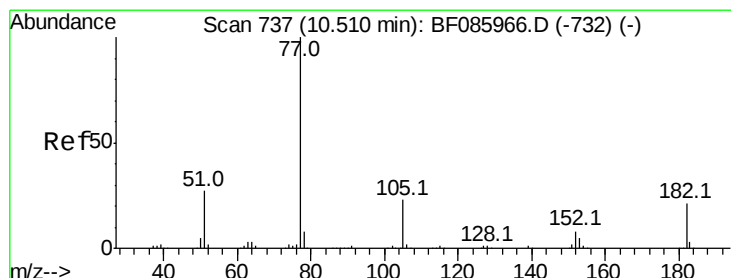
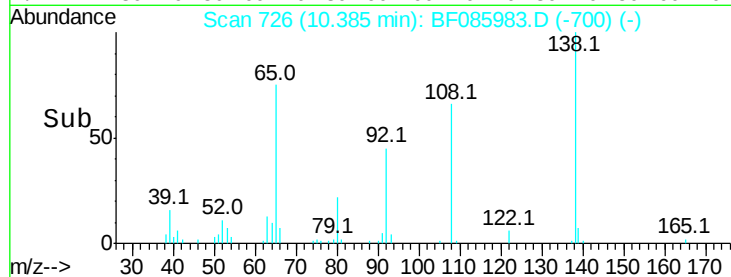
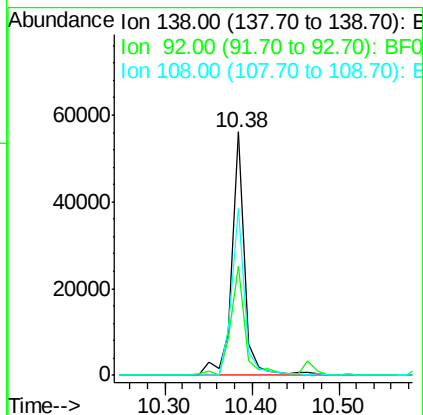
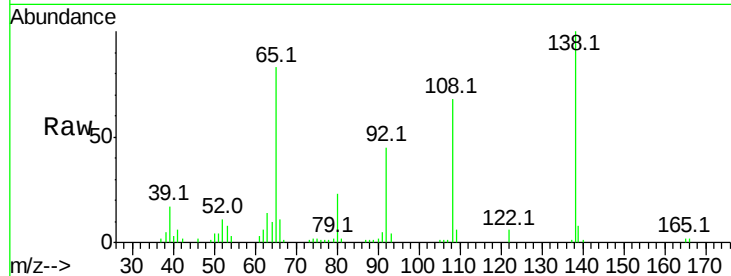
ClientSampleId :

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

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#62

Azobenzene

Concen: 19.74 ng

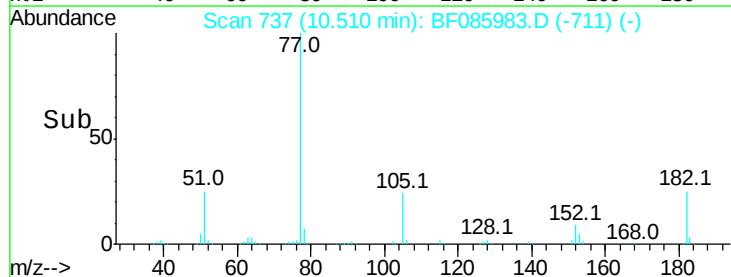
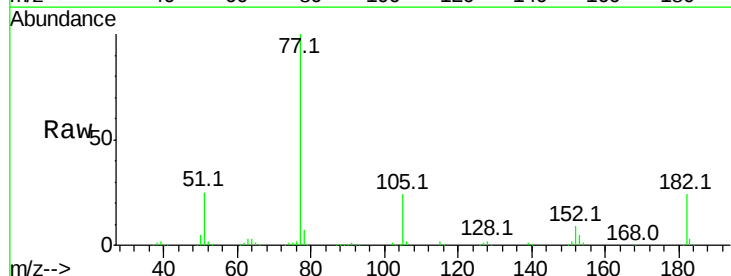
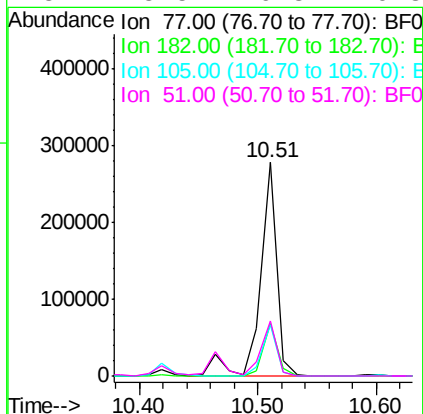
RT: 10.51 min Scan# 737

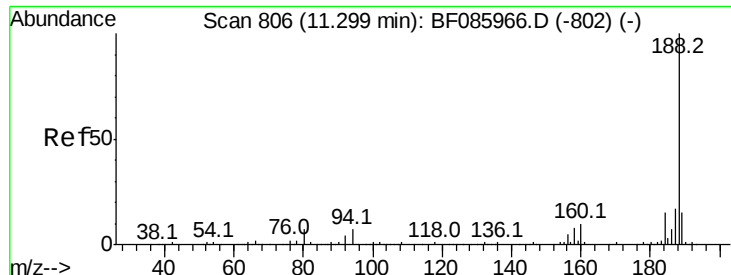
Delta R.T. -0.00 min

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

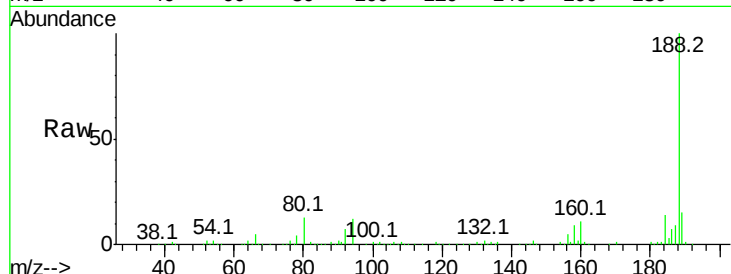
94 12.2 5.4 8.0#

80 13.4 5.5 8.3#

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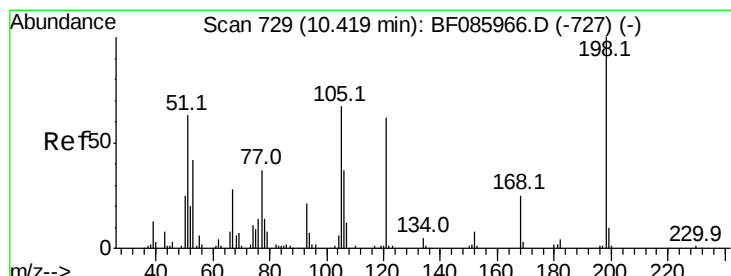
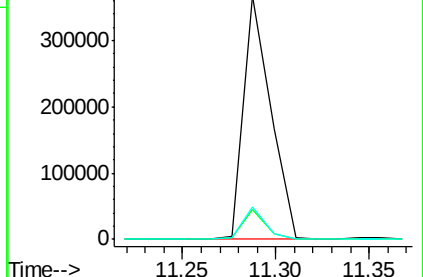
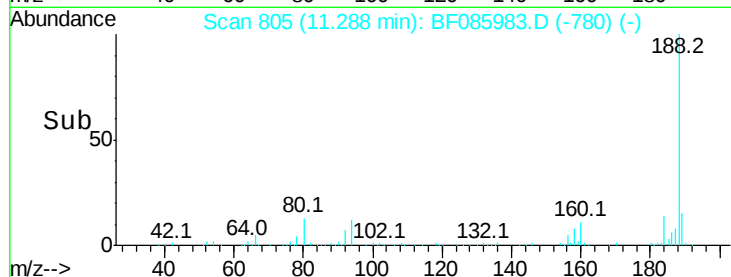
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Abundance Ion 188.00 (187.70 to 188.70): E

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

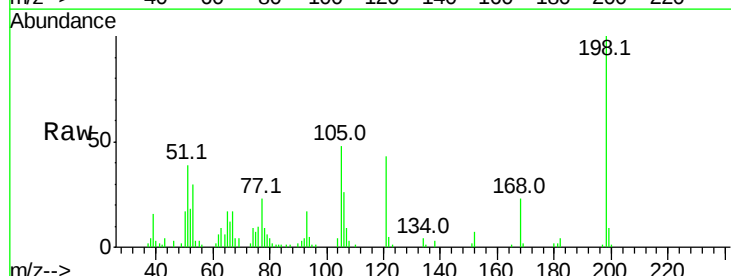
Tgt Ion:198 Resp: 33047

Ion Ratio Lower Upper

198 100

51 39.0 45.4 85.4#

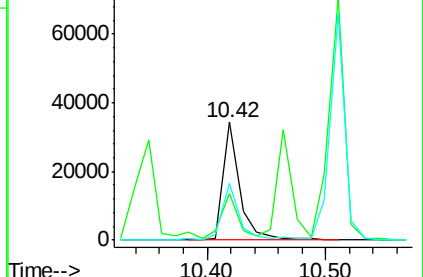
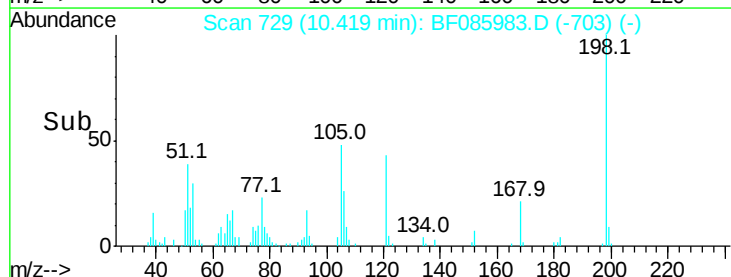
105 48.3 45.9 85.9

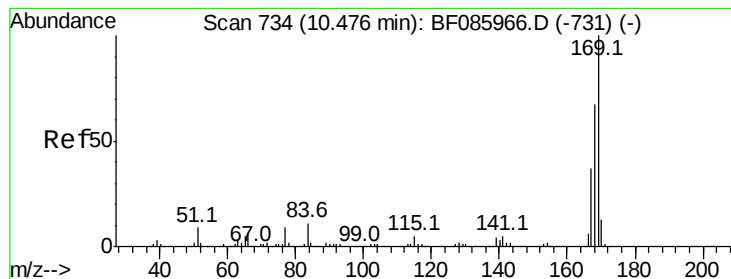


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





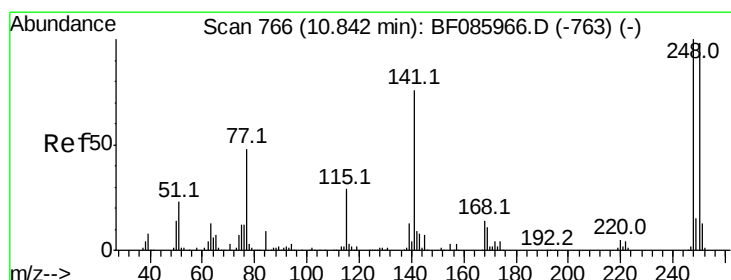
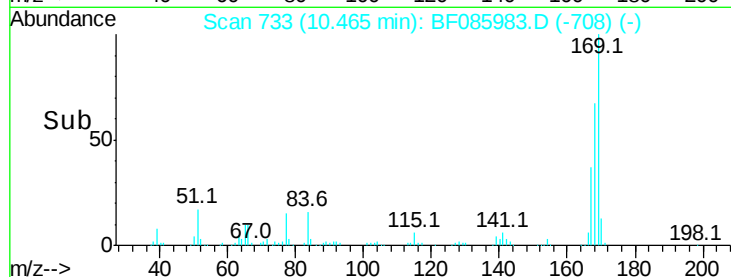
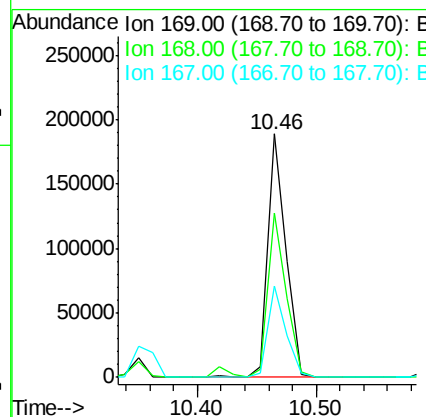
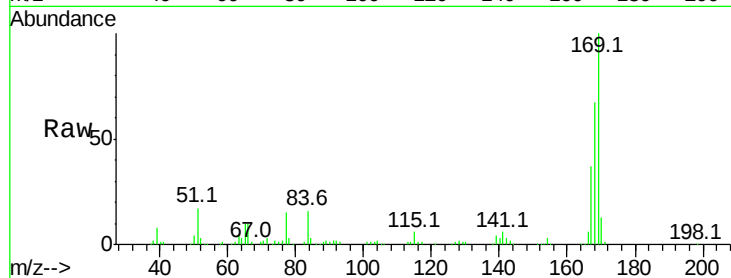
#65
n-Nitrosodiphenylamine
Concen: 17.07 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

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

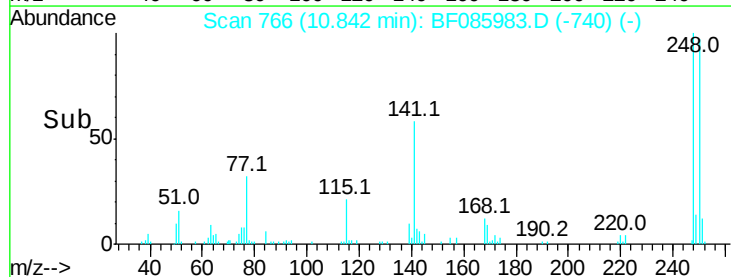
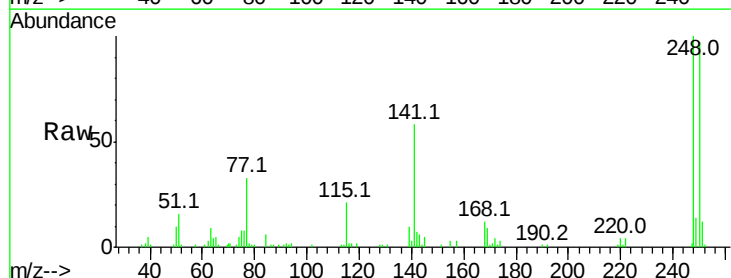
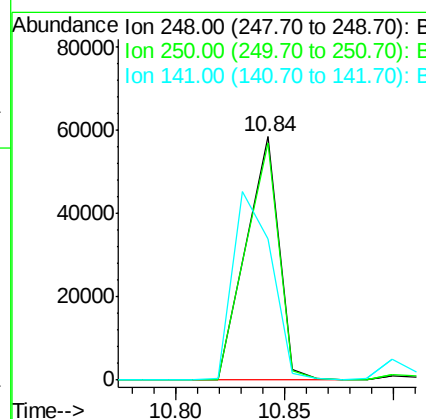
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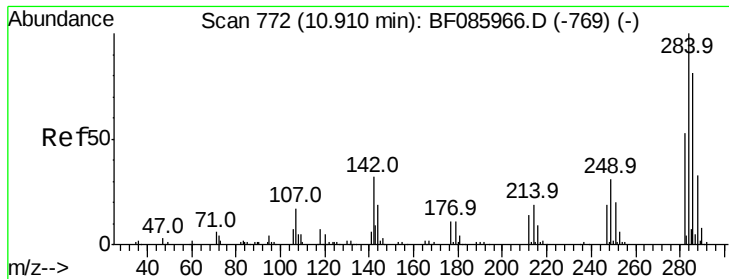
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#66
4-Bromophenyl-phenylether
Concen: 16.16 ng
RT: 10.84 min Scan# 766
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	61561		
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

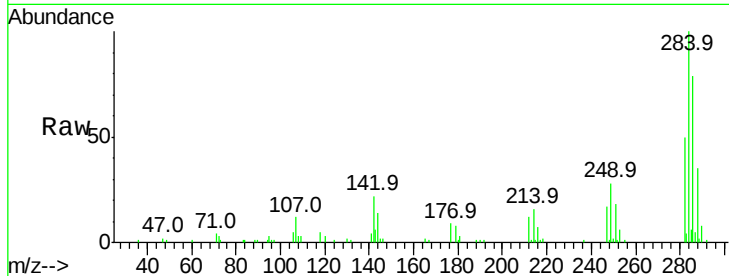
Acq: 2 Apr 2016 1:37

Instrument :

BNA_F

ClientSampleId :

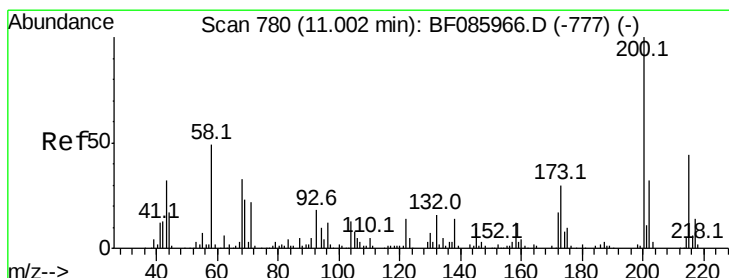
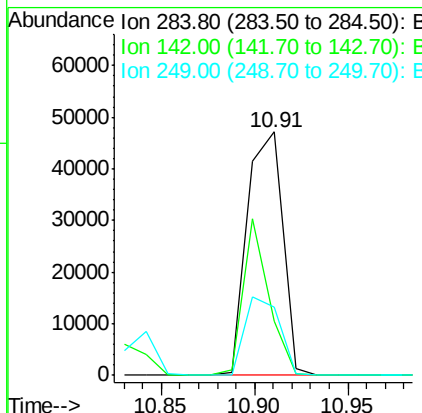
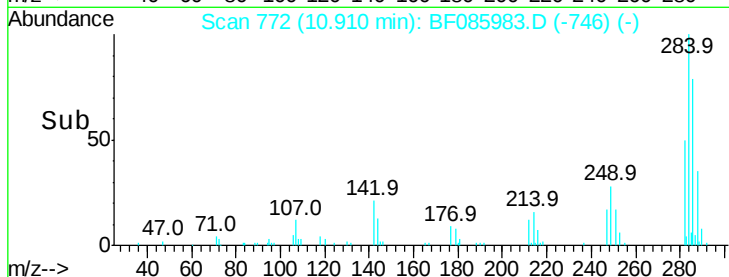
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Tot Ion:	284	Resp:	62178
Ion Ratio	Lower	Upper	
284	100		
142	22.4	23.1	34.7#
249	28.3	24.2	36.2

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#68

Atrazine

Concen: 15.99 ng

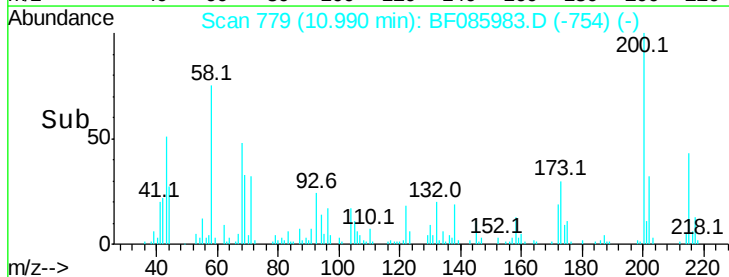
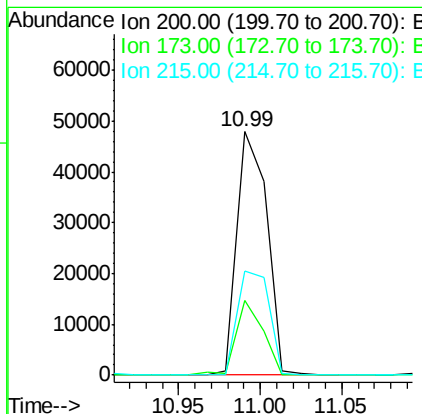
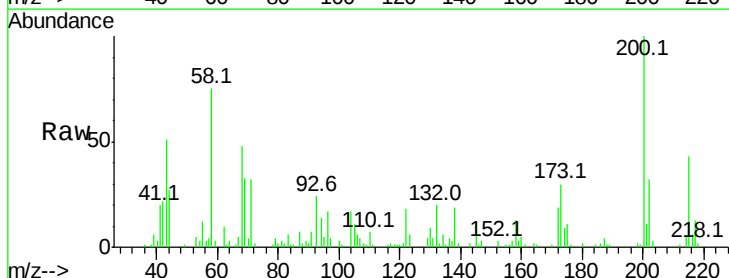
RT: 10.99 min Scan# 779

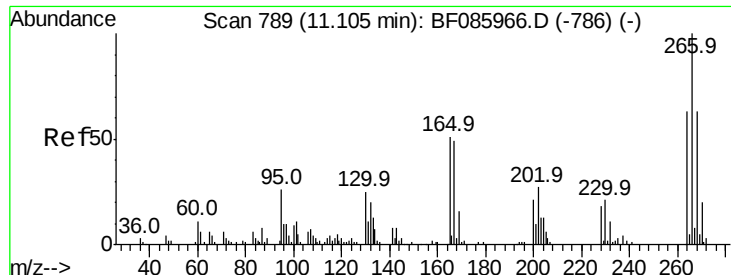
Delta R.T. -0.01 min

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





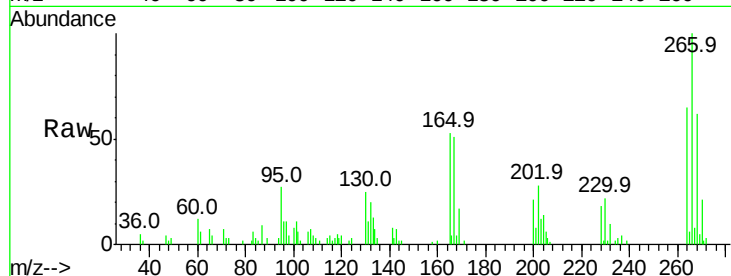
#69
 Pentachlorophenol
 Concen: 14.08 ng
 RT: 11.10 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

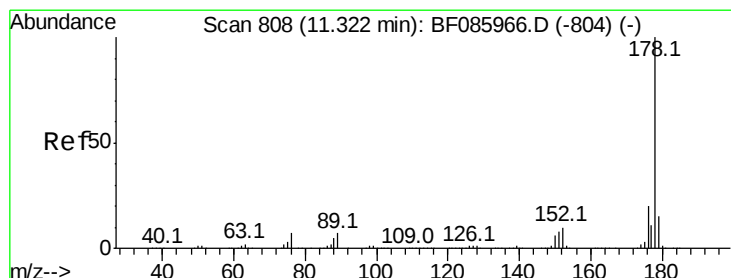
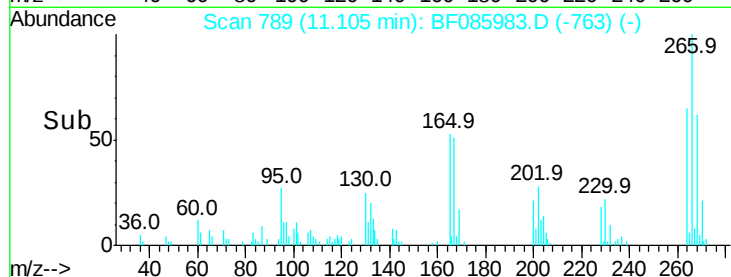
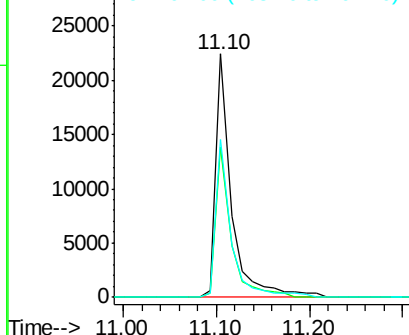
Tot Ion	Ratio	Resp	Lower	Upper
266	100	25991		
268	61.6		51.5	77.3
264	64.7		50.6	76.0

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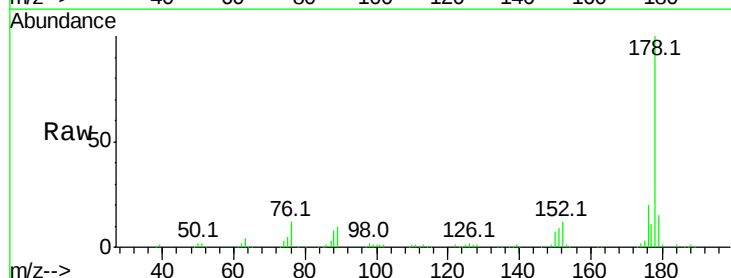


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

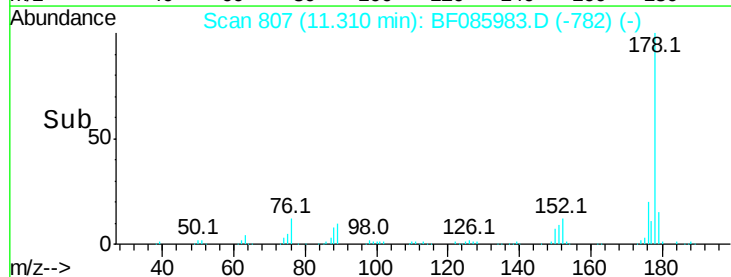
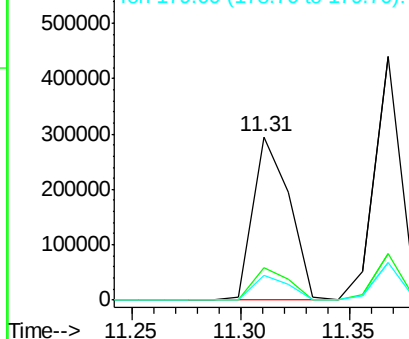


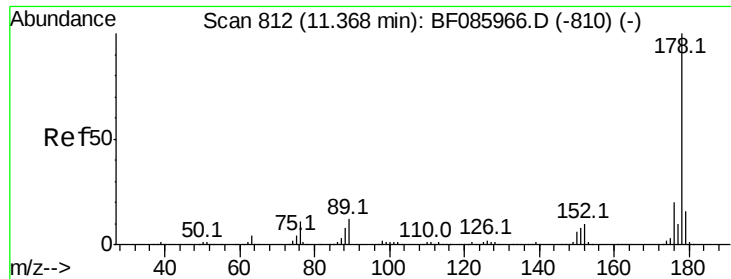
#70
 Phenanthrene
 Concen: 16.92 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	344386		
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





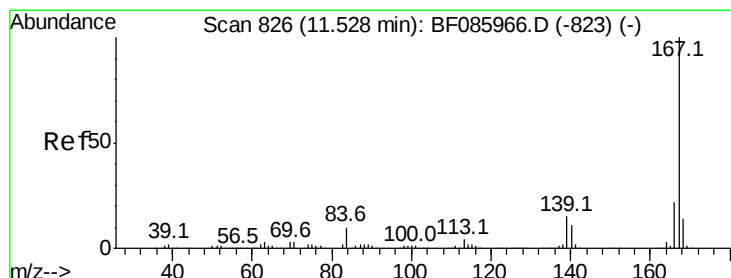
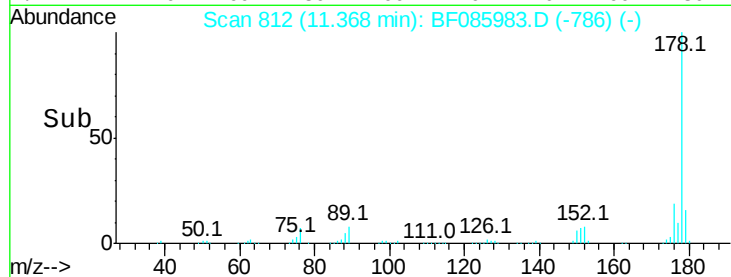
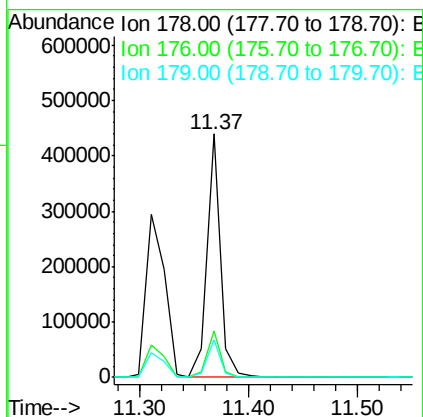
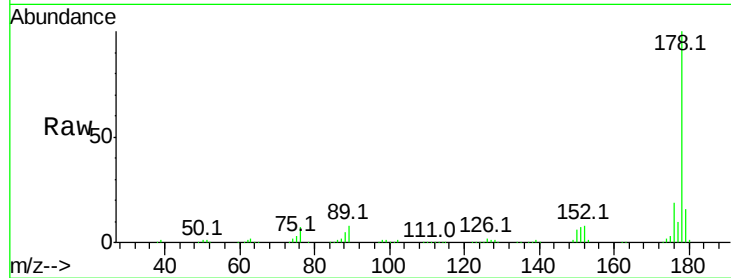
#71
 Anthracene
 Concen: 17.93 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

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

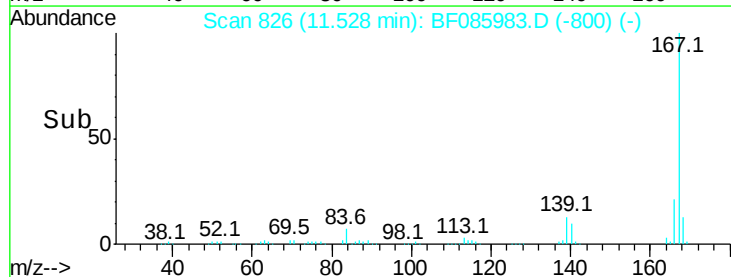
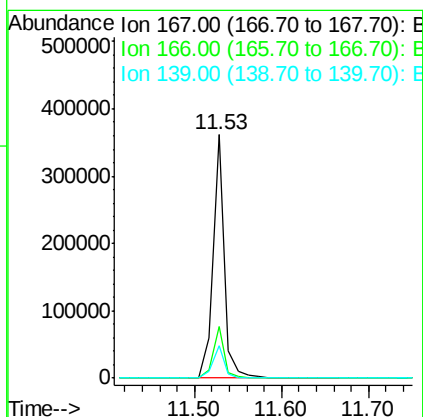
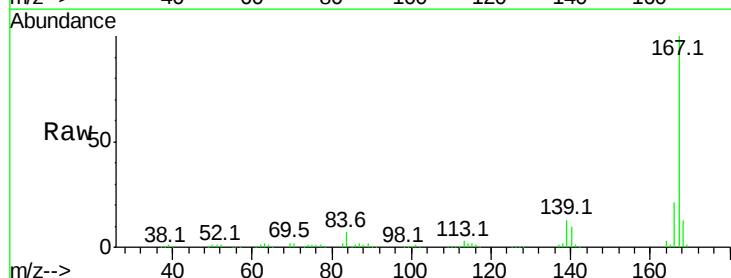
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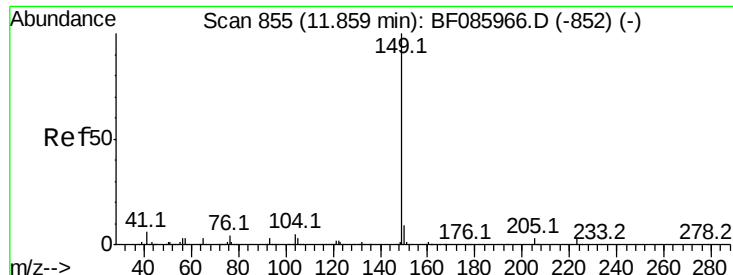
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#72
 Carbazole
 Concen: 18.10 ng
 RT: 11.53 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

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





#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

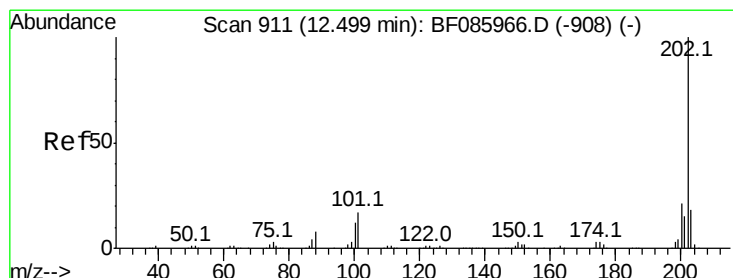
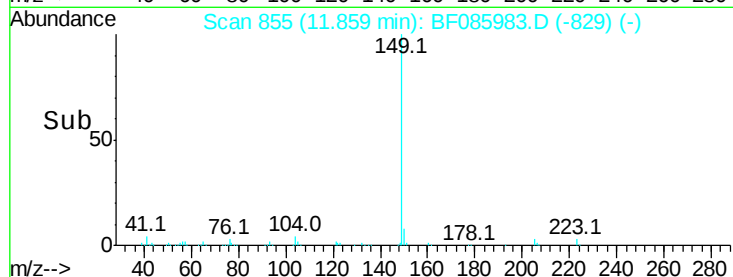
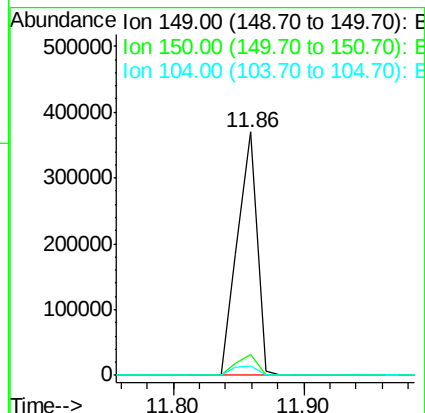
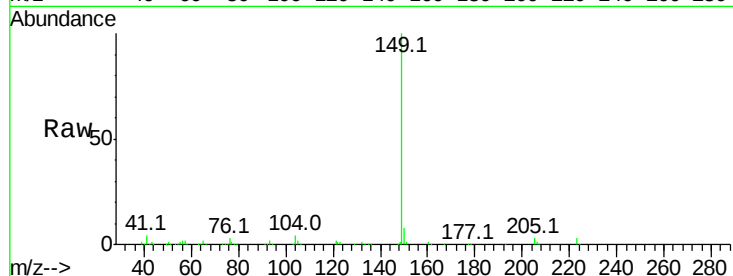
ClientSampleId :

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

Manual Integrations
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#74

Fluoranthene

Concen: 16.82 ng

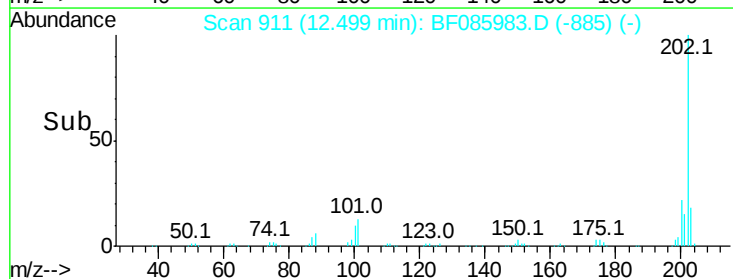
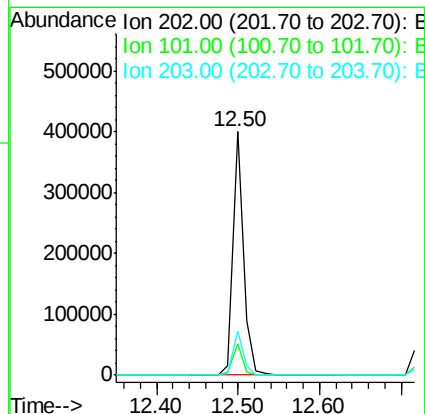
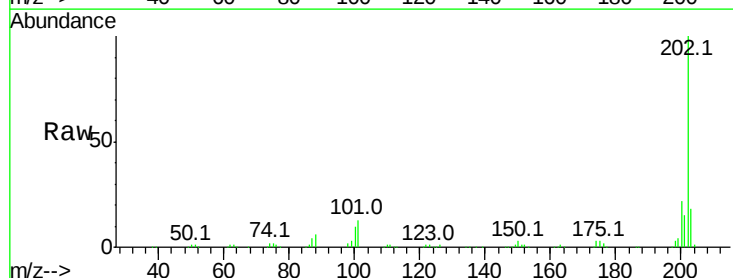
RT: 12.50 min Scan# 911

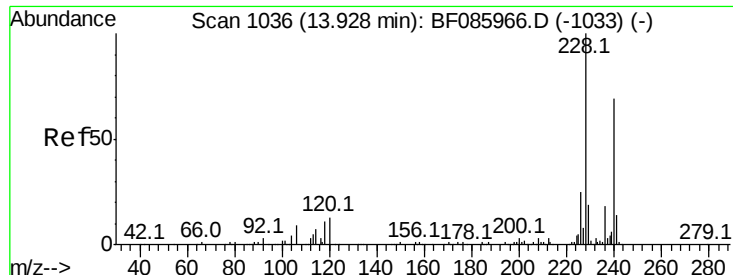
Delta R.T. -0.00 min

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





#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

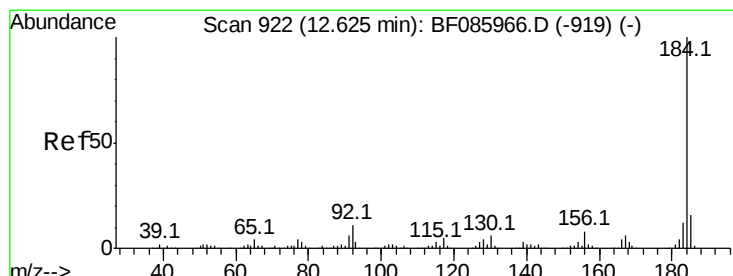
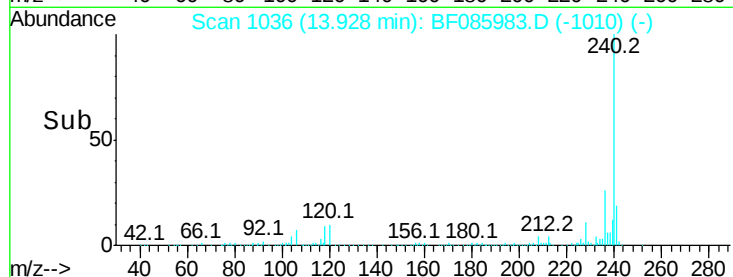
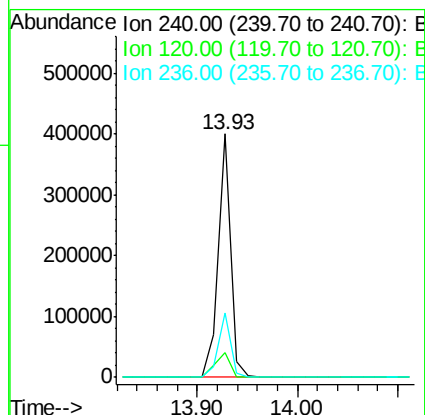
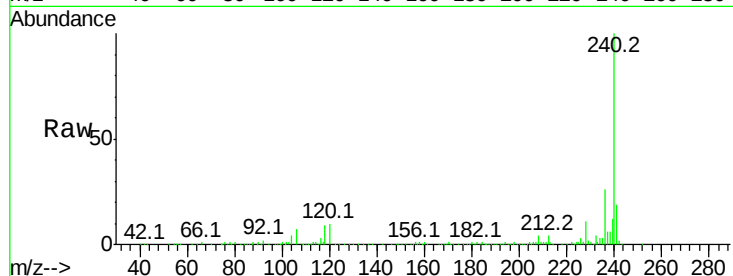
ClientSampleId :

LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	13.8	20.8#
236	26.4	20.6	30.8

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#76

Benzidine

Concen: 8.34 ng

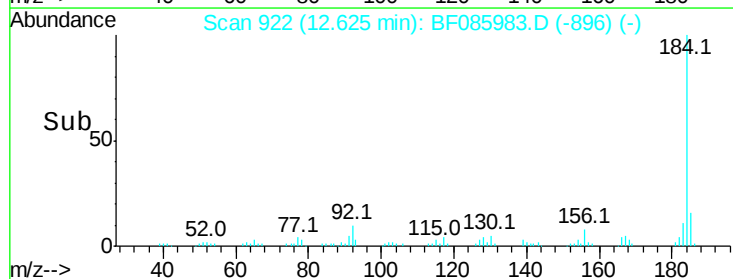
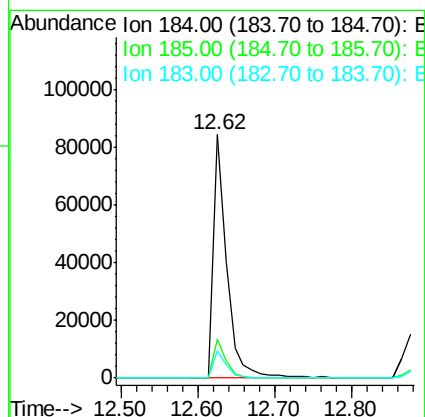
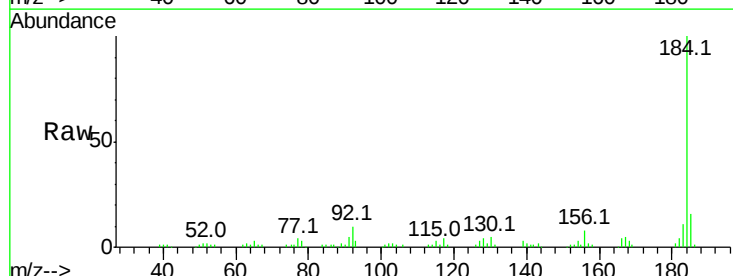
RT: 12.62 min Scan# 922

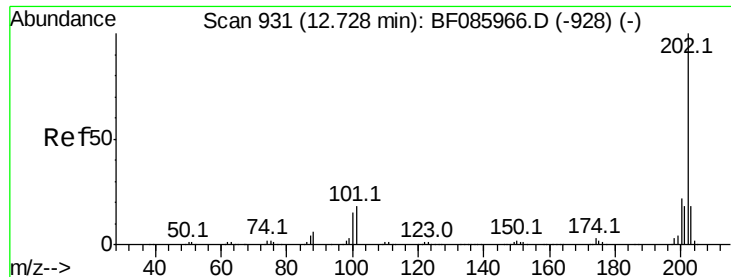
Delta R.T. -0.00 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.4	18.6
183	11.4	9.4	14.2





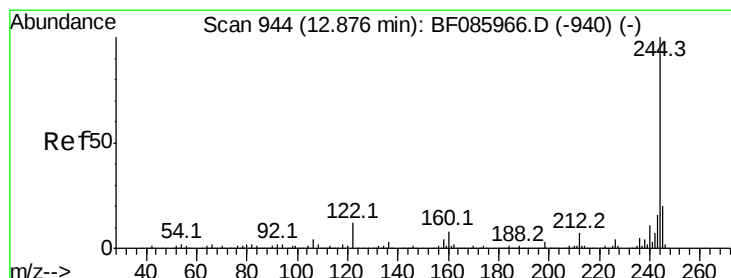
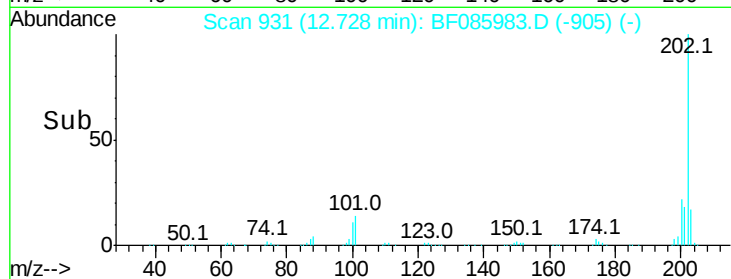
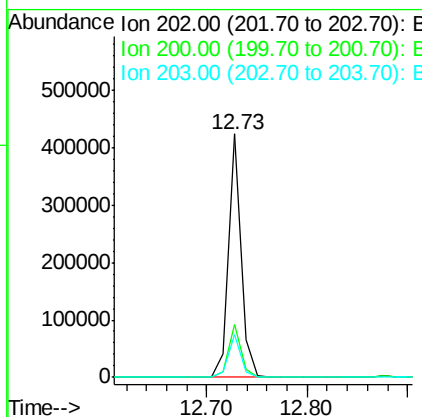
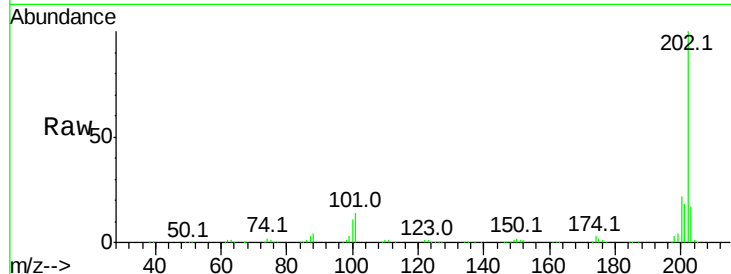
#77
 Pvrene
 Concen: 15.18 ng
 RT: 12.73 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

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

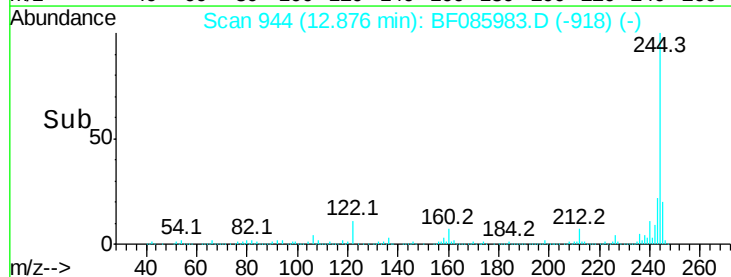
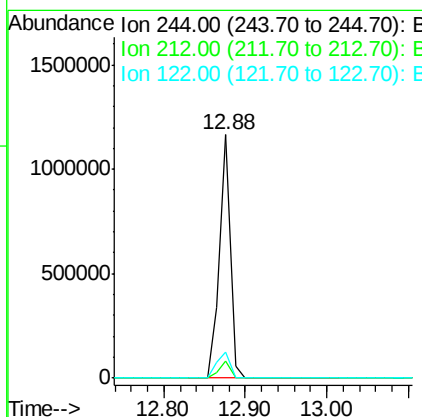
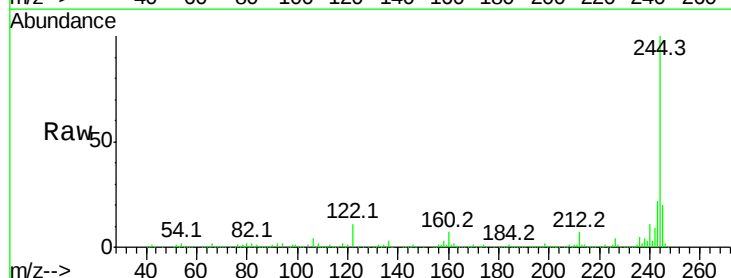
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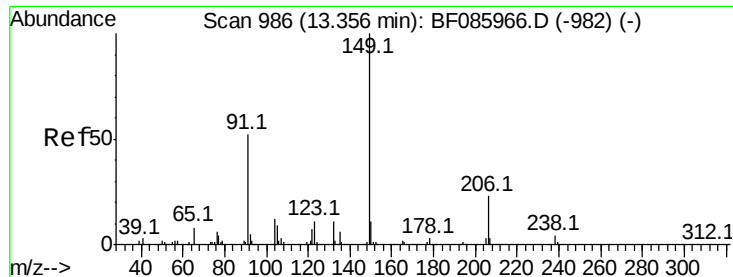
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#78
 Terphenyl-d14
 Concen: 73.76 ng
 RT: 12.88 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

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





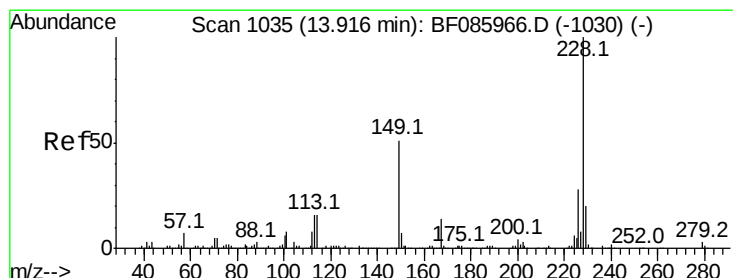
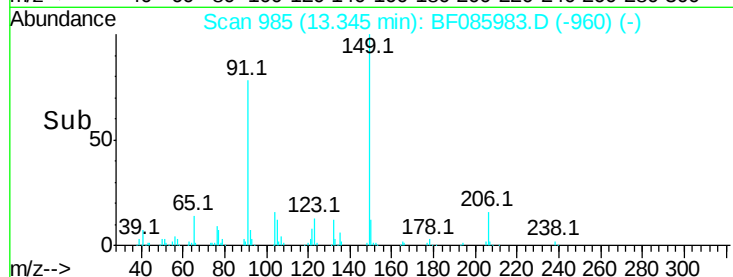
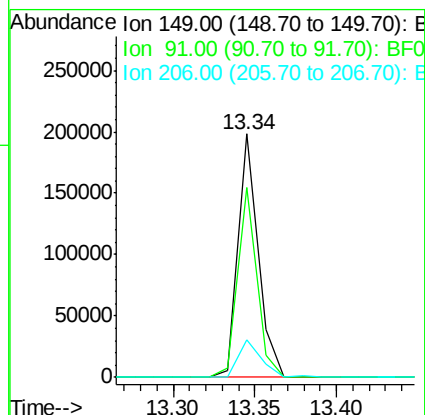
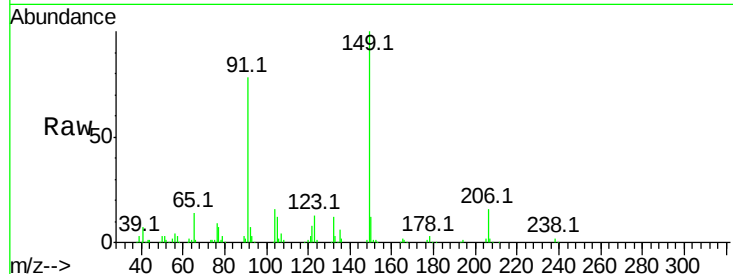
#79
Butylbenzylphthalate
Concen: 15.28 ng
RT: 13.34 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp Lower	Upper
149	100		
91	78.2	45.8	68.8#
206	15.6	17.8	26.8#

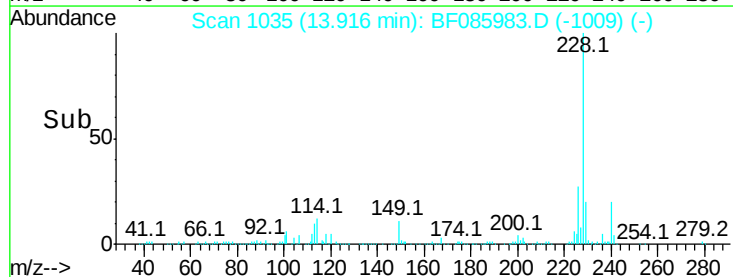
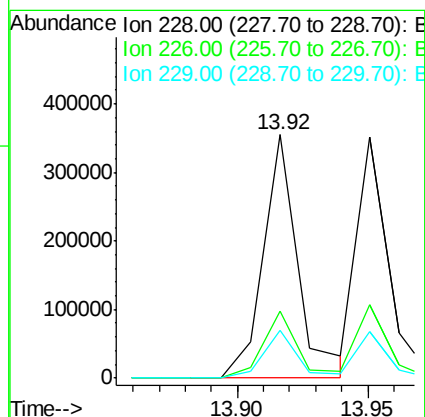
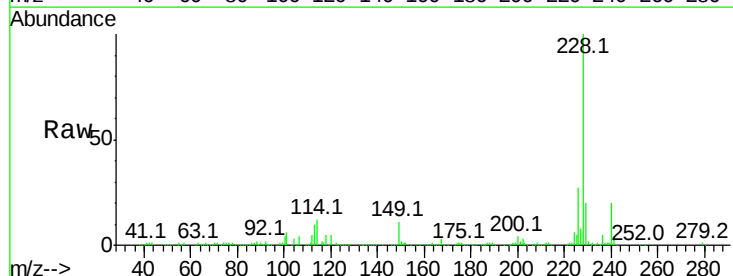
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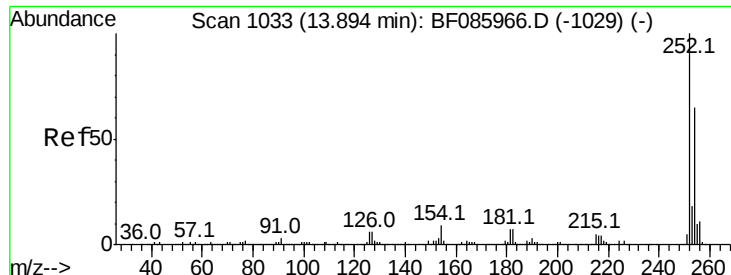
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#80
Benzo(a)anthracene
Concen: 16.33 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.8	16.2	24.4





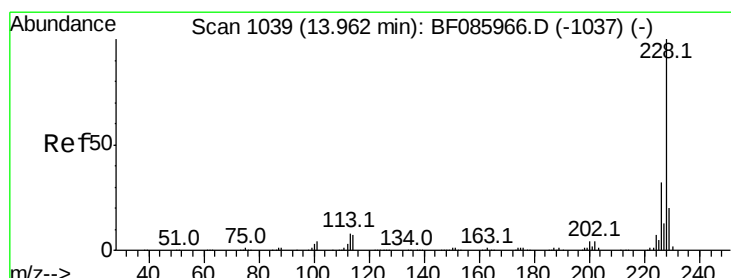
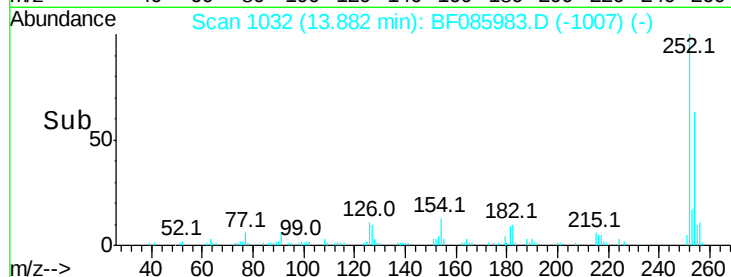
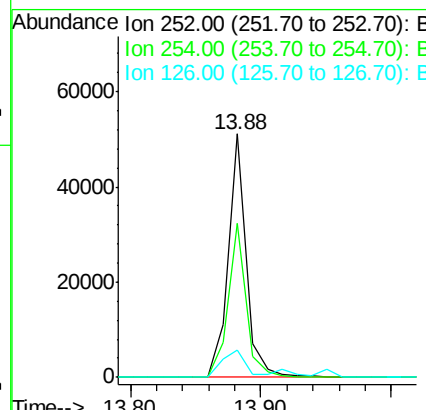
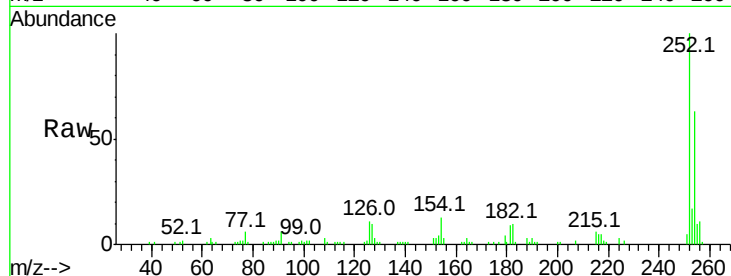
#81
 3,3'-Dichlorobenzidine
 Concen: 3.34 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.2	50.7	76.1
126	11.1	11.8	17.6

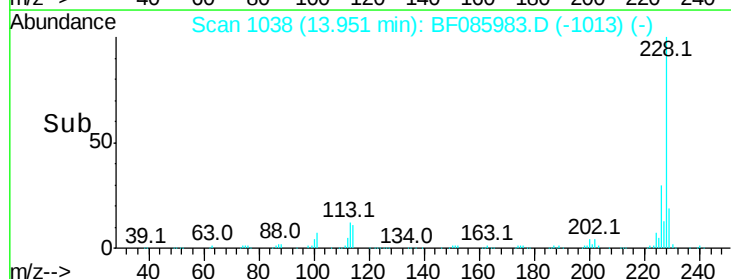
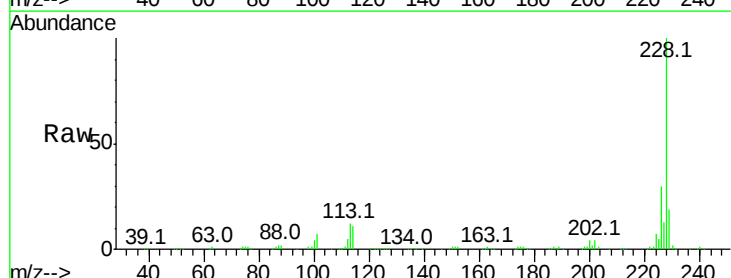
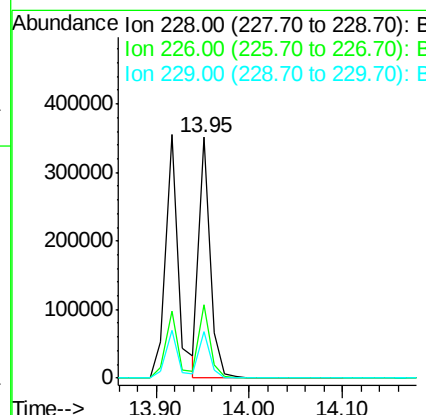
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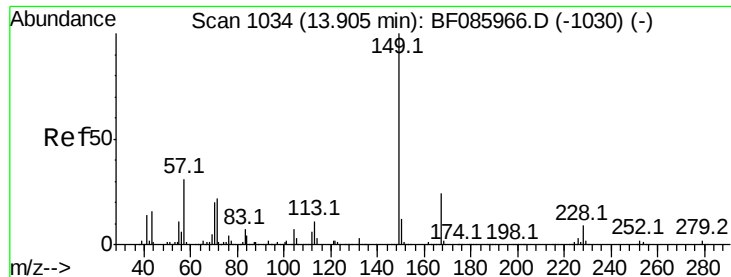
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#82
 Chrysene
 Concen: 15.06 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

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





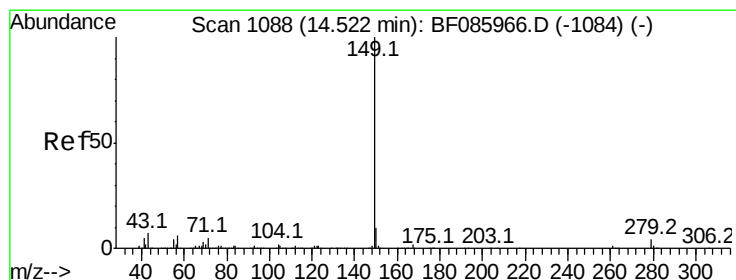
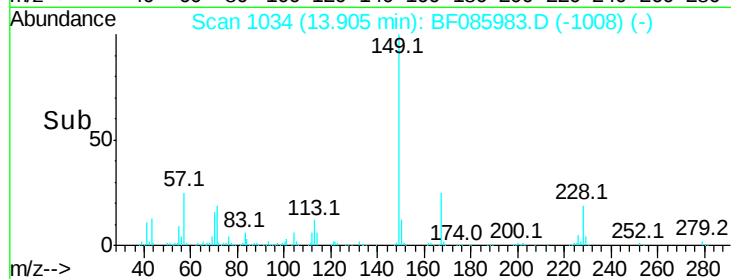
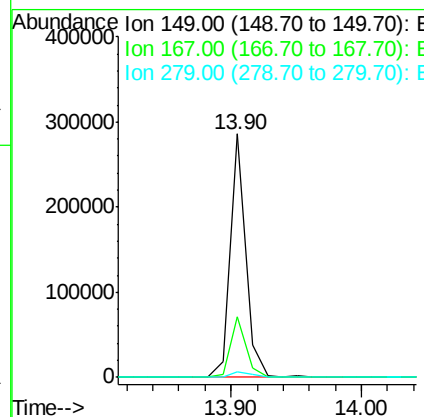
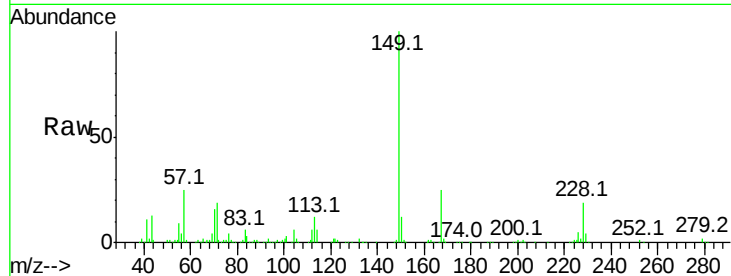
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 16.37 ng
 RT: 13.90 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

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

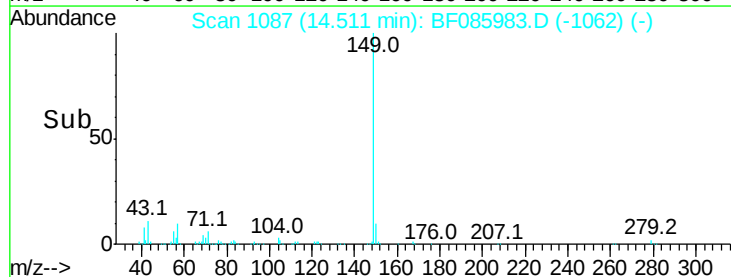
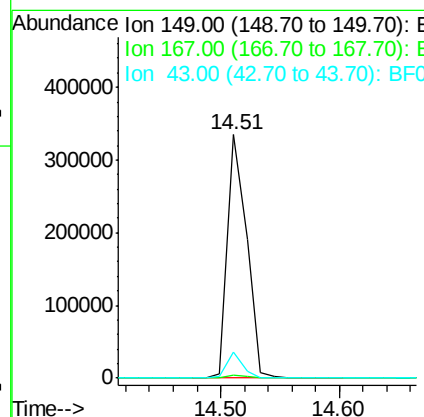
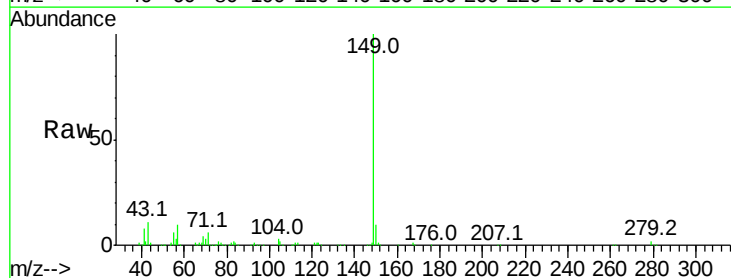
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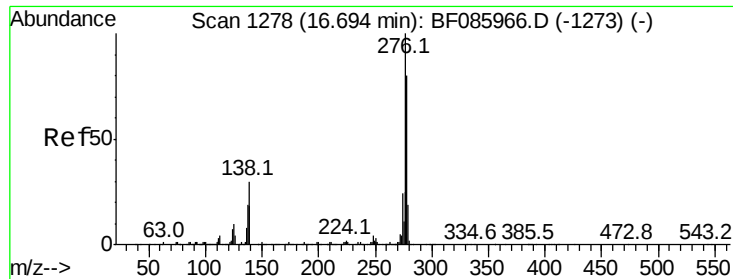
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#84
 Di-n-octyl phthalate
 Concen: 16.09 ng
 RT: 14.51 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BF085983.D
 Acq: 2 Apr 2016 1:37

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	373576		
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

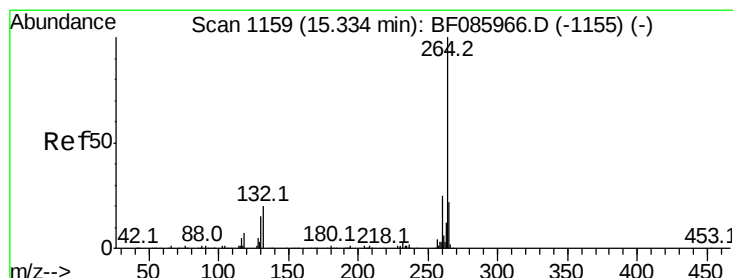
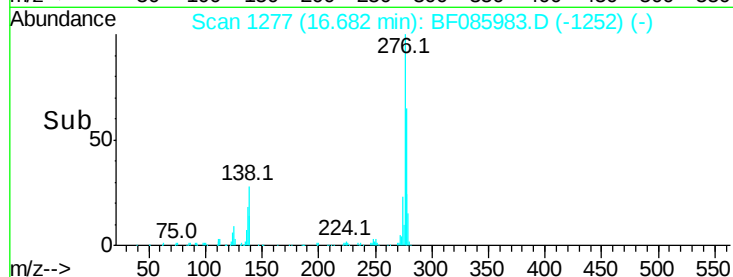
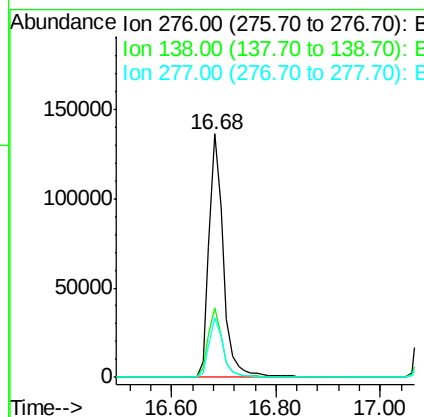
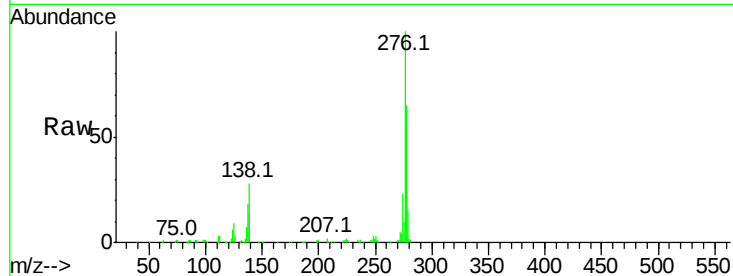
ClientSampleId :

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

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#86

Perylene-d12

Concen: 20.00 ng

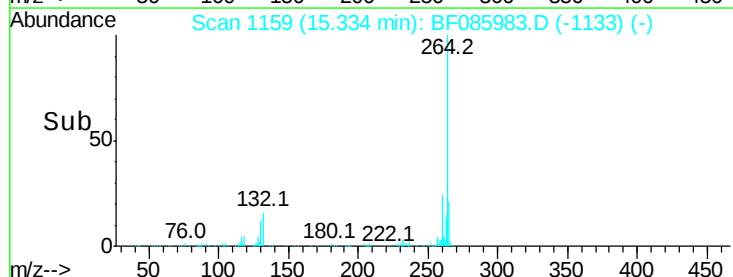
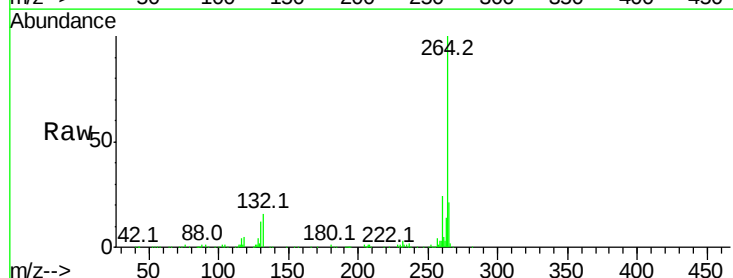
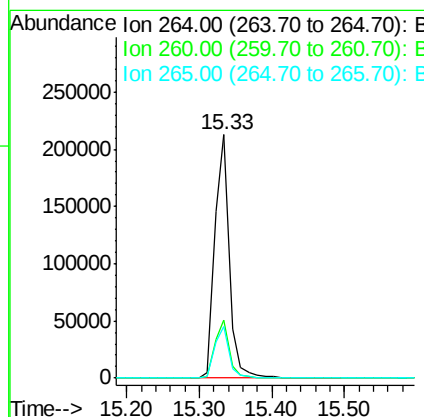
RT: 15.33 min Scan# 1159

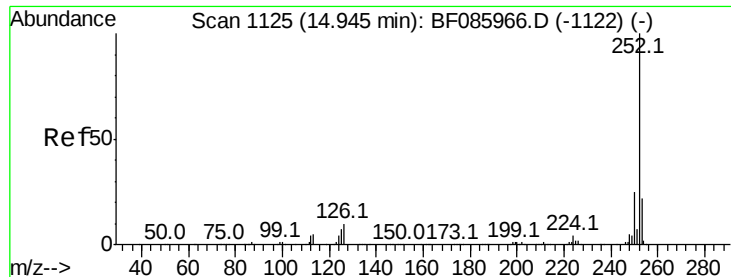
Delta R.T. -0.00 min

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: 15.37 ng m

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

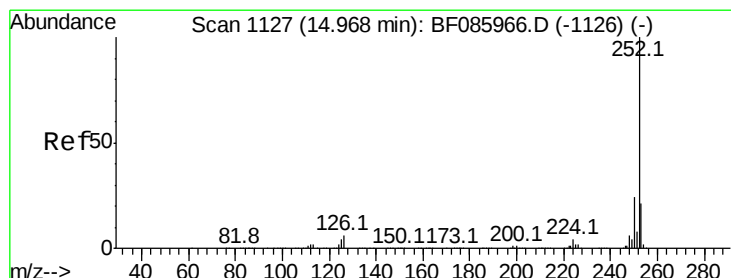
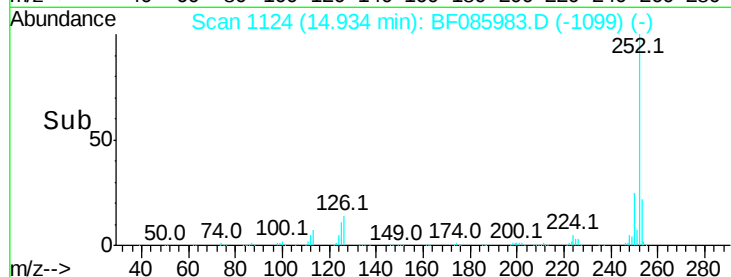
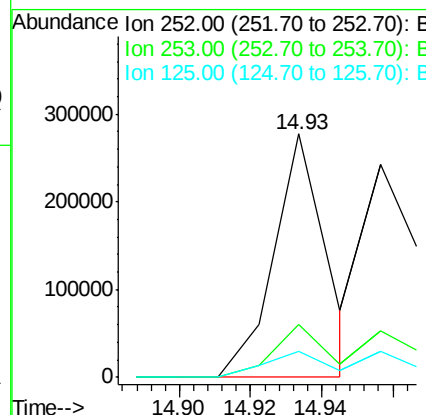
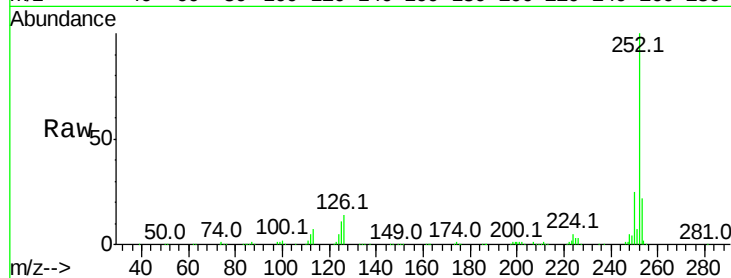
ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:	252	Resp:	283922
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.6	26.4
125	10.6	10.3	15.5

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#88

Benzo(k)fluoranthene

Concen: 17.56 ng m

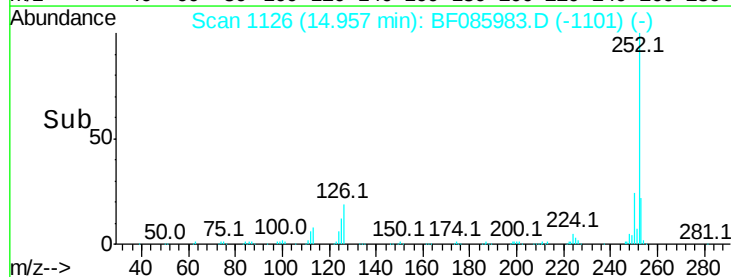
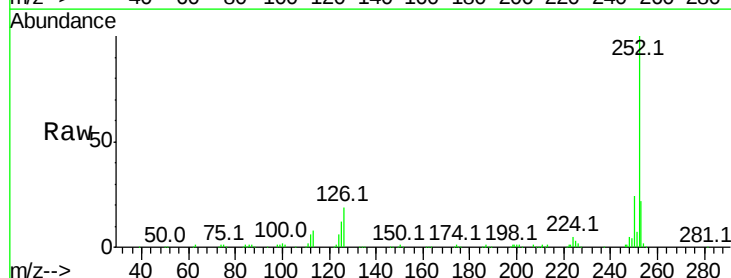
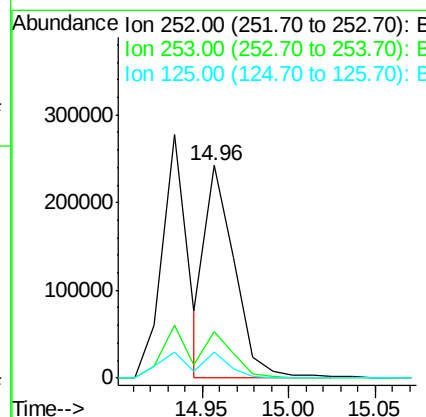
RT: 14.96 min Scan# 1126

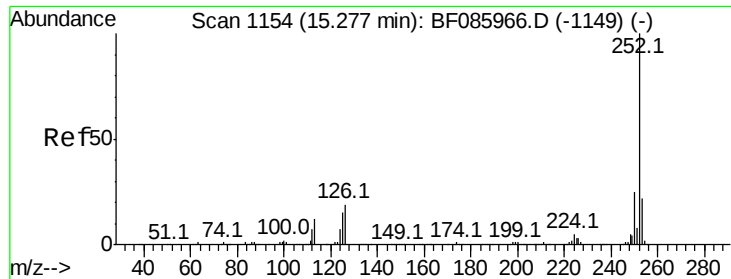
Delta R.T. -0.01 min

Lab File: BF085983.D

Acq: 2 Apr 2016 1:37

Tgt Ion:	252	Resp:	287122
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.6
125	12.0	7.7	11.5#





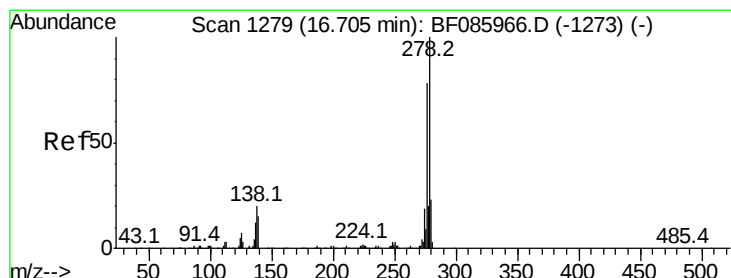
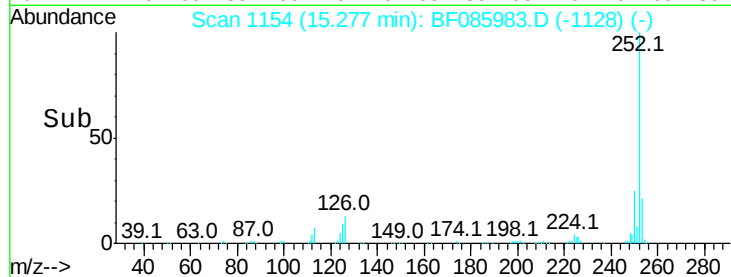
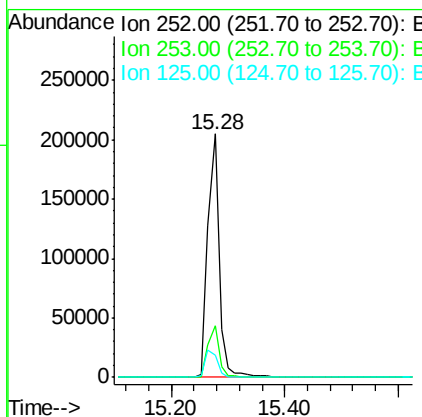
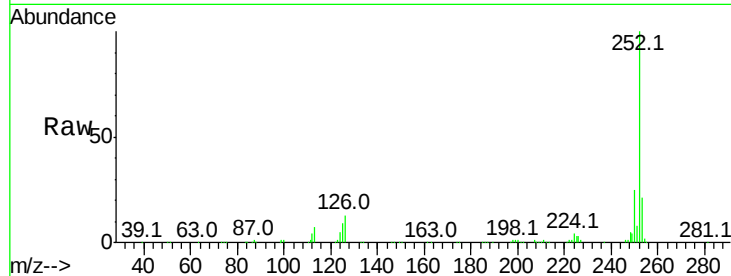
#89
Benzo(a)pyrene
Concen: 16.80 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF085983.D
Acq: 2 Apr 2016 1:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
252	100	274843		
253	21.4		17.4	26.0
125	9.3		10.3	15.5#

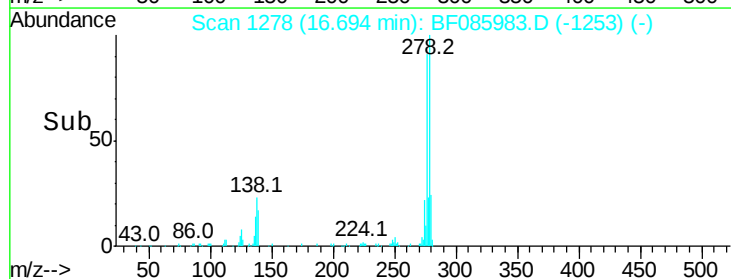
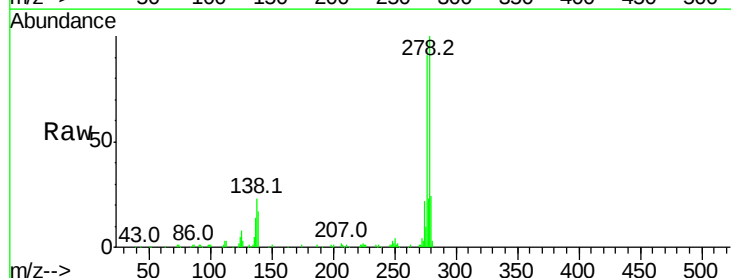
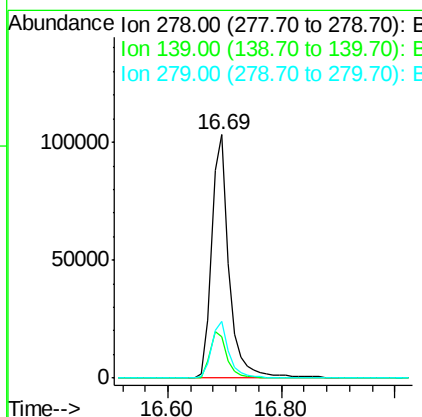
Manual Integrations
APPROVED

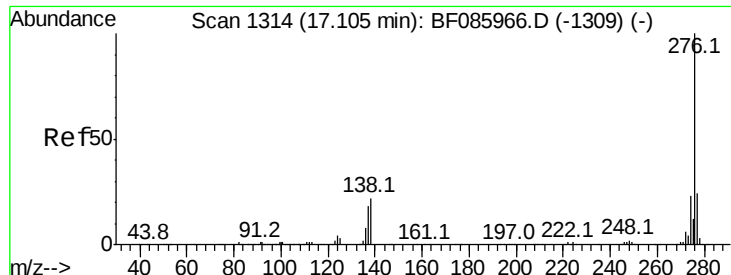
Sohil
4/4/2016 7:42:51 PM



#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	Ratio	Resp	Lower	Upper
278	100	214904		
139	17.1		14.4	21.6
279	23.5		19.1	28.7





#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	Ratio	Resp Lower	Upper
276	100		
277	22.7	18.8	28.2
138	21.8	22.6	34.0

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