

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
 Data File : BF091842.D
 Acq On : 21 Dec 2016 19:18
 Operator : UM/SJ
 Sample : H6103-02
 Misc : L00 20PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Manual Integrations
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Quant Time: Dec 22 03:02:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	257193	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	1055805	20.00	ng	-0.01
38) Acenaphthene-d10	9.79	164	575044	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	946596	20.00	ng	0.00
75) Chrysene-d12	13.89	240	713412	20.00	ng	-0.01
86) Perylene-d12	15.30	264	689158	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1985089	128.87	ng	0.02
7) Phenol-d6	6.40	99	2745600	146.00	ng	-0.01
23) Nitrobenzene-d5	7.32	82	2101078	110.66	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	641651	134.83	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3132588	116.38	ng	0.00
78) Terphenyl-d14	12.85	244	2585913	87.91	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.43	88	154120	20.32	ng	98
3) Pyridine	3.13	79	391905	14.81	ng	97
4) n-Nitrosodimethylamine	3.04	42	170327	17.06	ng	97
6) Aniline	6.41	93	228297	9.35	ng	# 79
8) 2-Chlorophenol	6.53	128	302187	17.25	ng	99
9) Benzaldehyde	6.29	77	213230	16.27	ng	93
10) Phenol	6.41	94	261386	12.20	ng	# 74
11) bis(2-Chloroethyl)ether	6.49	93	287014	16.83	ng	98
12) 1,3-Dichlorobenzene	6.68	146	316498m	16.92	ng	
13) 1,4-Dichlorobenzene	6.76	146	322532	16.94	ng	97
14) 1,2-Dichlorobenzene	6.92	146	284841	17.24	ng	95
15) Benzyl Alcohol	6.90	79	259185	17.74	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.02	45	448732	17.67	ng	78
17) 2-Methylphenol	7.01	107	246937	17.52	ng	99
18) Hexachloroethane	7.25	117	118847	16.84	ng	# 87
19) n-Nitroso-di-n-propylamine	7.16	70	212682	17.00	ng	99
20) 3+4-Methylphenols	7.17	107	320641	19.08	ng	# 74
22) Acetophenone	7.16	105	459246	17.63	ng	# 93
24) Nitrobenzene	7.33	77	355430	17.58	ng	92
25) Isophorone	7.57	82	587531	16.77	ng	98
26) 2-Nitrophenol	7.65	139	165443	16.59	ng	# 84
27) 2,4-Dimethylphenol	7.70	122	285385	17.25	ng	98
28) bis(2-Chloroethoxy)methane	7.79	93	359549	16.93	ng	98
29) 2,4-Dichlorophenol	7.89	162	236207	16.86	ng	87
30) 1,2,4-Trichlorobenzene	7.97	180	259960	16.94	ng	96
31) Naphthalene	8.05	128	888915	18.40	ng	98
32) Benzoic acid	7.80	122	177078	14.43	ng	99
33) 4-Chloroaniline	8.11	127	240227	11.03	ng	94
34) Hexachlorobutadiene	8.18	225	149369	18.44	ng	99
35) Caprolactam	8.46	113	77180	16.77	ng	91
36) 4-Chloro-3-methylphenol	8.60	107	275038	17.06	ng	89
37) 2-Methylnaphthalene	8.75	142	572216	15.64	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	239741	16.50	ng	99
40) Hexachlorocyclopentadiene	8.90	237	76105	15.16	ng	98

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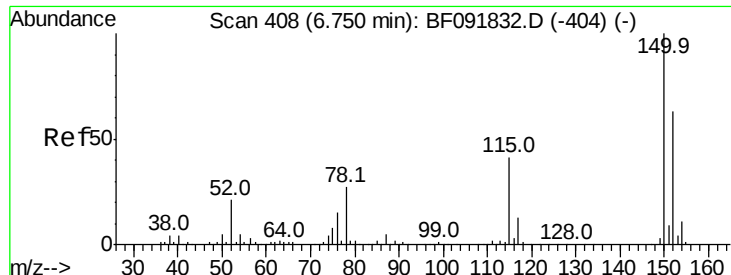
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	168872	16.62	nq	94
43) 2,4,5-Trichlorophenol	9.07	196	165649	15.84	nq	95
45) 1,1'-Biphenyl	9.21	154	699562	17.77	nq	96
46) 2-Chloronaphthalene	9.23	162	521025	16.71	nq	95
47) 2-Nitroaniline	9.33	65	188302	16.96	nq	# 79
48) Acenaphthylene	9.64	152	820603	17.11	nq	99
49) Dimethylphthalate	9.52	163	633350	17.22	nq	99
50) 2,6-Dinitrotoluene	9.57	165	137352	17.06	nq	# 84
51) Acenaphthene	9.81	154	549895	16.91	nq	98
52) 3-Nitroaniline	9.74	138	116529	11.70	nq	# 77
53) 2,4-Dinitrophenol	9.85	184	57317	12.80	nq	# 64
54) Dibenzofuran	9.98	168	708567	16.14	nq	99
55) 4-Nitrophenol	9.92	139	117837	17.42	nq	# 80
56) 2,4-Dinitrotoluene	9.97	165	175987	17.42	nq	91
57) Fluorene	10.33	166	566139	17.72	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.11	232	132450	16.02	nq	99
59) Diethylphthalate	10.21	149	622708	17.43	nq	98
60) 4-Chlorophenyl-phenylether	10.33	204	269998	19.30	nq	# 86
61) 4-Nitroaniline	10.35	138	159227	15.42	nq	95
62) Azobenzene	10.49	77	682026	17.34	nq	92
64) 4,6-Dinitro-2-methylphenol	10.38	198	90911	15.88	nq	73
65) n-Nitrosodiphenylamine	10.44	169	484875	17.26	nq	99
66) 4-Bromophenyl-phenylether	10.82	248	163806	16.64	nq	# 76
67) Hexachlorobenzene	10.88	284	166570	15.83	nq	# 82
68) Atrazine	10.97	200	110517	12.20	nq	99
69) Pentachlorophenol	11.08	266	71049	13.76	nq	97
70) Phenanthrene	11.29	178	854957	16.66	nq	98
71) Anthracene	11.34	178	867814	15.28	nq	96
72) Carbazole	11.49	167	757236	13.73	nq	98
73) Di-n-butylphthalate	11.84	149	984894	17.77	nq	# 97
74) Fluoranthene	12.48	202	880689	17.19	nq	92
76) Benzydine	12.60	184	262025	10.91	nq	98
77) Pyrene	12.69	202	893292	17.07	nq	99
79) Butylbenzylphthalate	13.32	149	377106	15.84	nq	93
80) Benzo(a)anthracene	13.88	228	693184	17.21	nq	99
81) 3,3'-Dichlorobenzidine	13.86	252	172246	11.28	nq	# 94
82) Chrysene	13.93	228	738178	18.27	nq	97
83) Bis(2-ethylhexyl)phthalate	13.89	149	490174	17.48	nq	# 96
84) Di-n-octyl phthalate	14.50	149	874421	16.84	nq	99
85) Indeno(1,2,3-cd)pyrene	16.63	276	603578	17.25	nq	99
87) Benzo(b)fluoranthene	14.90	252	671863m	15.66	nq	
88) Benzo(k)fluoranthene	14.92	252	652709m	17.84	nq	
89) Benzo(a)pyrene	15.23	252	634257	16.66	nq	98
90) Dibenzo(a,h)anthracene	16.64	278	508699	16.25	nq	99
91) Benzo(g,h,i)perylene	17.03	276	511542	15.72	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

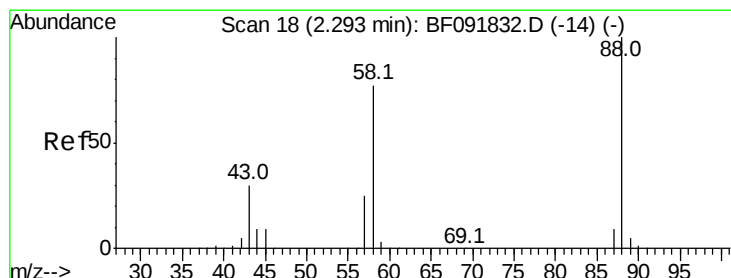
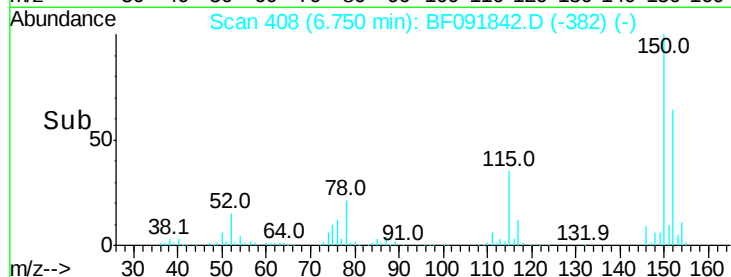
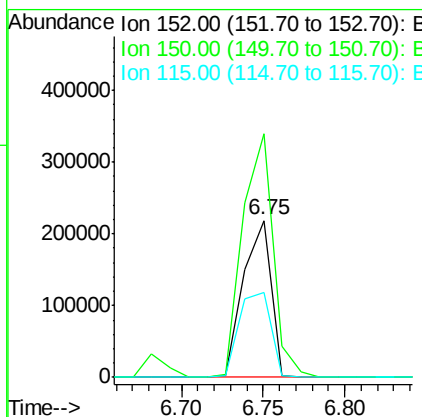
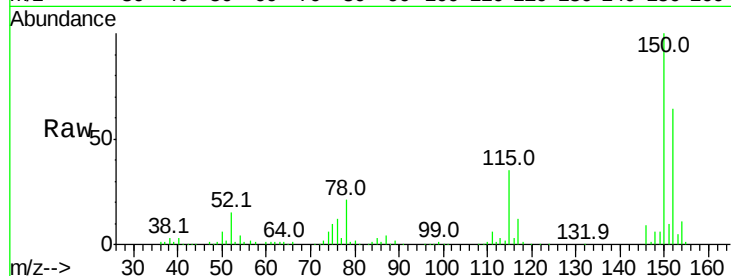
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	152	Resp:	257193
Ion Ratio	Lower	Upper	
152	100		
150	155.5	124.9	187.3
115	53.9	46.0	69.0

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#2

1,4-Dioxane

Concen: 20.32 ng

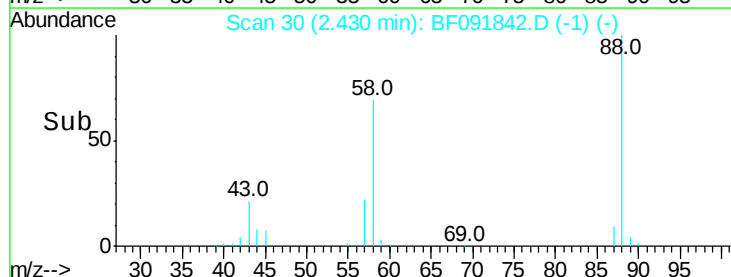
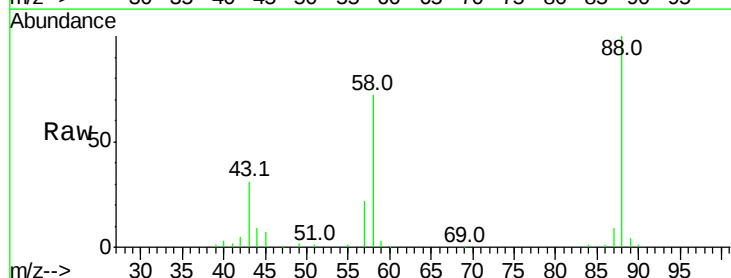
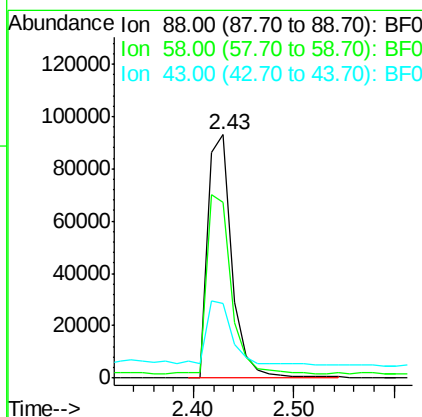
RT: 2.43 min Scan# 30

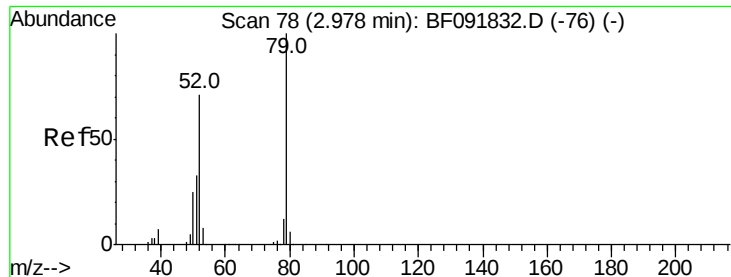
Delta R.T. 0.14 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	88	Resp:	154120
Ion Ratio	Lower	Upper	
88	100		
58	73.3	57.8	86.8
43	29.3	22.3	33.5





#3

Pvridine

Concen: 14.81 ng

RT: 3.13 min Scan# 91

Delta R.T. 0.15 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

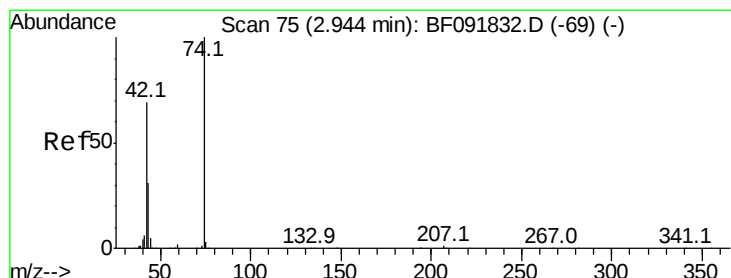
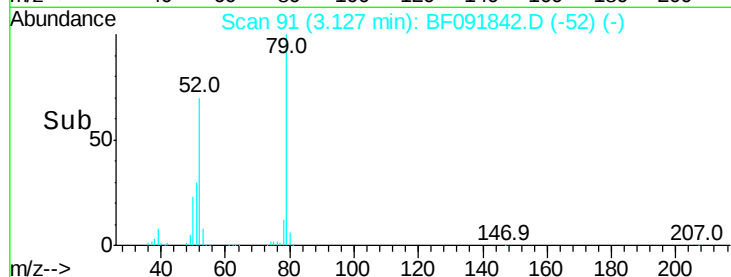
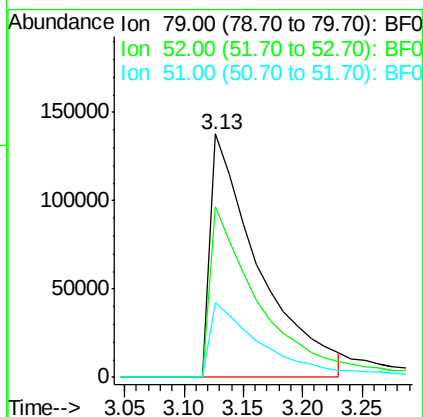
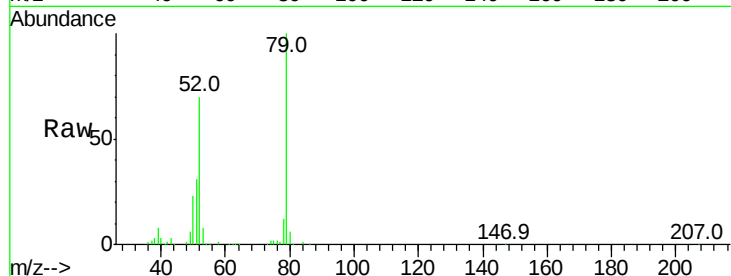
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	79	Resp:	391905
Ion Ratio	Lower	Upper	
79	100		
52	70.0	57.1	85.7
51	30.8	27.3	40.9

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#4

n-Nitrosodimethylamine

Concen: 17.06 ng

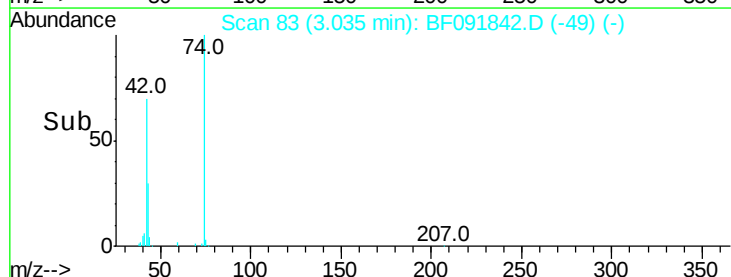
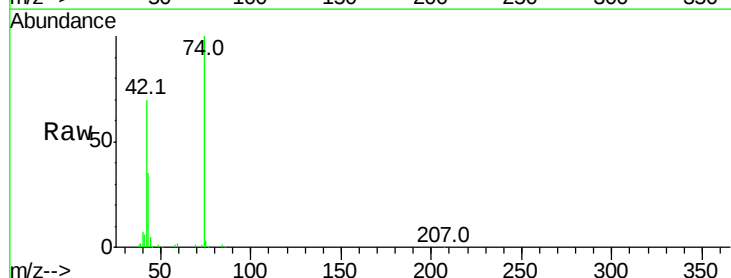
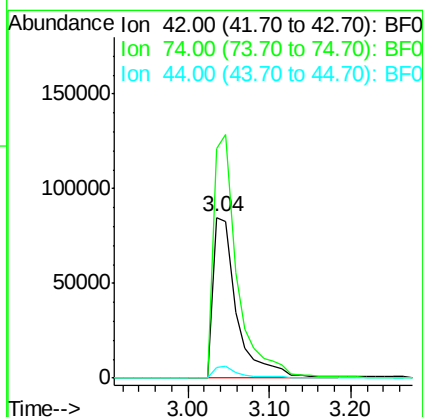
RT: 3.04 min Scan# 83

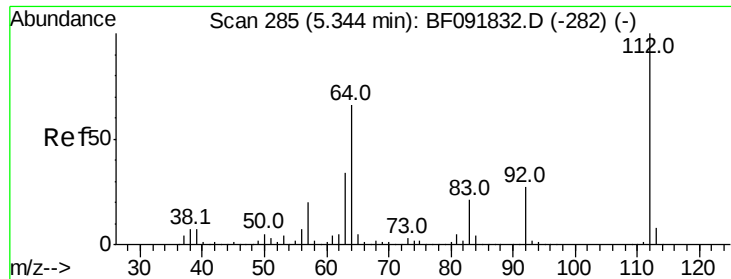
Delta R.T. 0.09 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	42	Resp:	170327
Ion Ratio	Lower	Upper	
42	100		
74	142.7	117.0	175.4
44	6.7	5.5	8.3





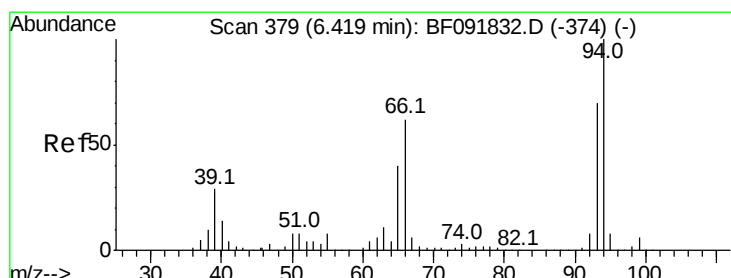
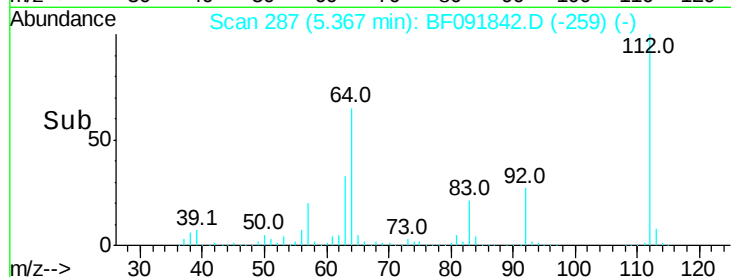
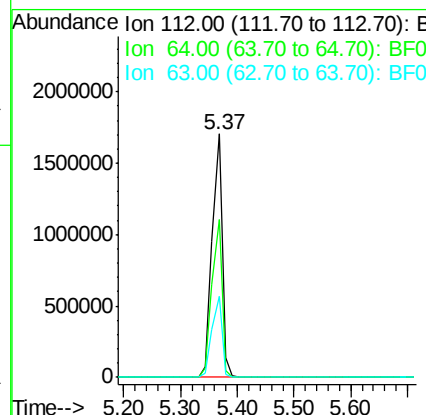
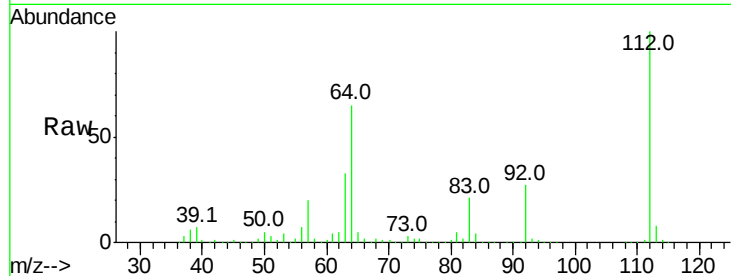
#5
2-Fluorophenol
Concen: 128.87 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.02 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion: 112 Resp: 1985089
Ion Ratio Lower Upper
112 100
64 64.7 46.1 69.1
63 33.5 23.8 35.6

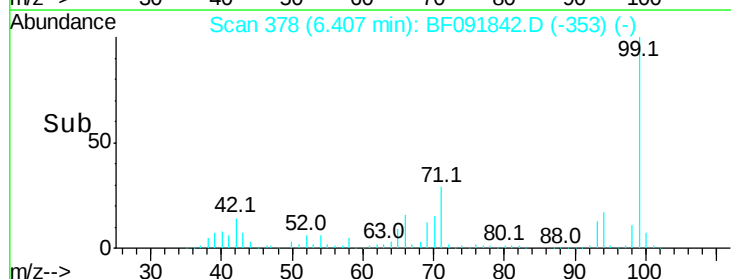
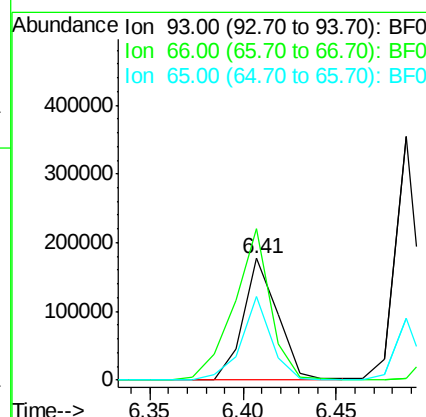
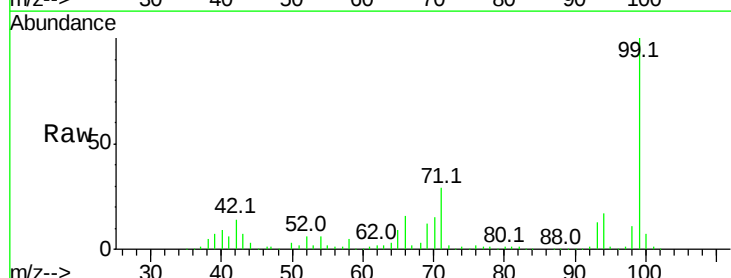
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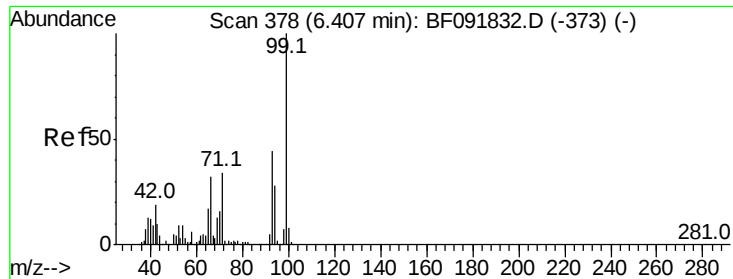
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#6
Aniline
Concen: 9.35 ng
RT: 6.41 min Scan# 378
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion: 93 Resp: 228297
Ion Ratio Lower Upper
93 100
66 124.1 76.2 114.2#
65 68.3 49.3 73.9





#7

Phenol-d6

Concen: 146.00 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion: 99 Resp: 2745600

Ion Ratio Lower Upper

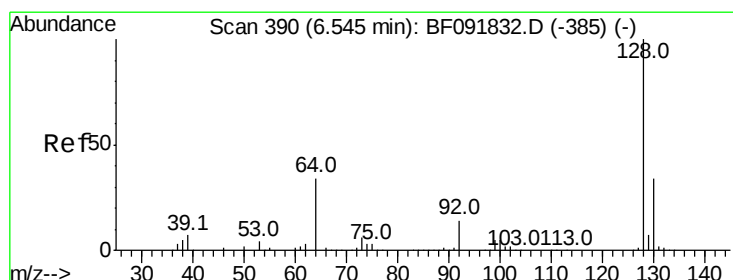
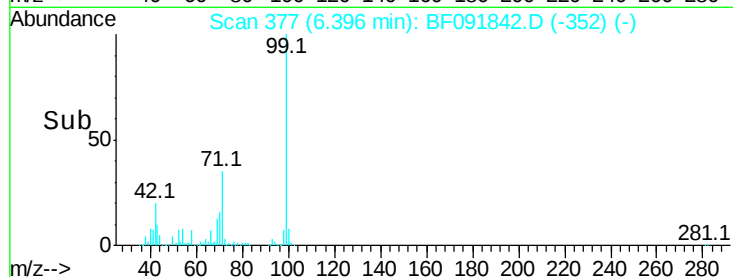
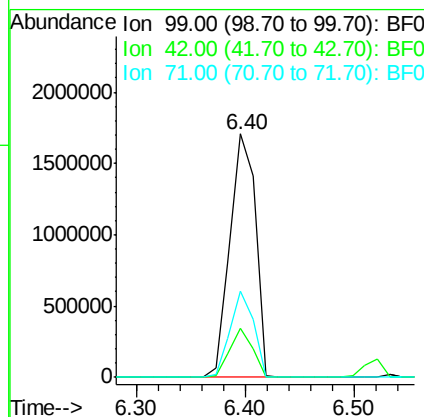
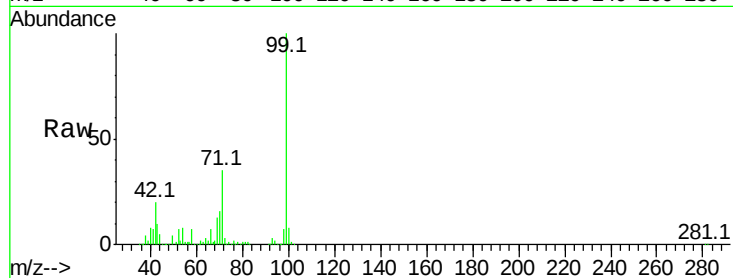
99 100

42 20.1 15.6 23.4

71 35.2 27.5 41.3

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#8

2-Chlorophenol

Concen: 17.25 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

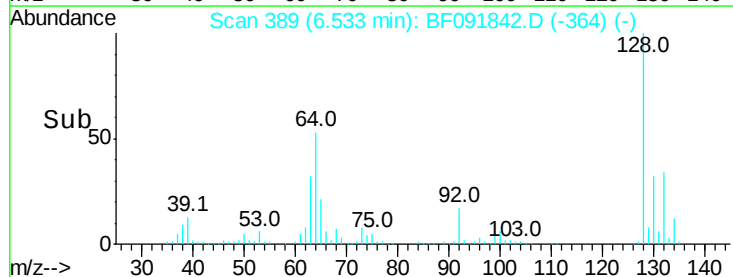
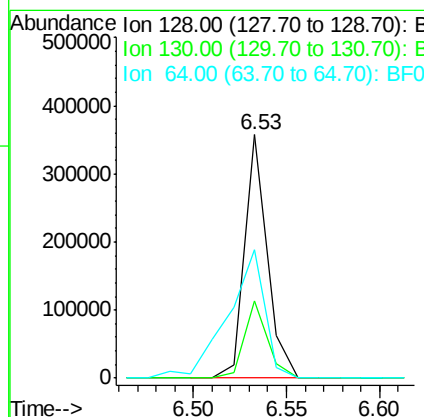
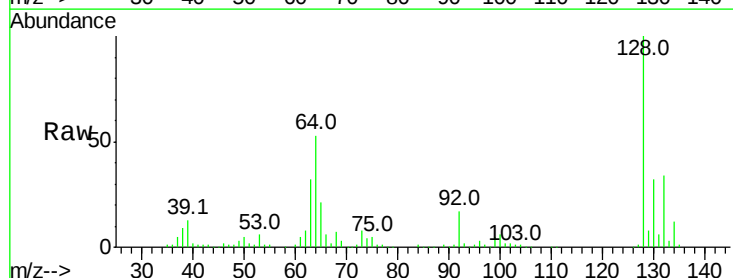
Tgt Ion: 128 Resp: 302187

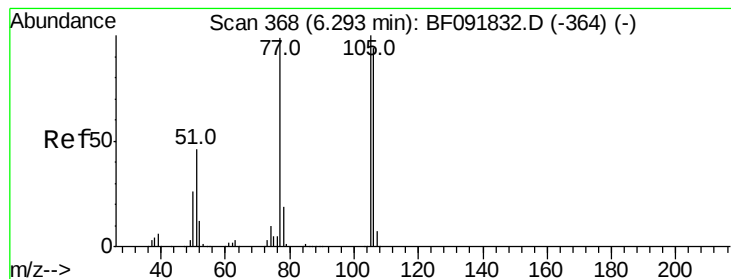
Ion Ratio Lower Upper

128 100

130 31.5 12.3 52.3

64 53.0 32.2 72.2





#9

Benzaldehyde

Concen: 16.27 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

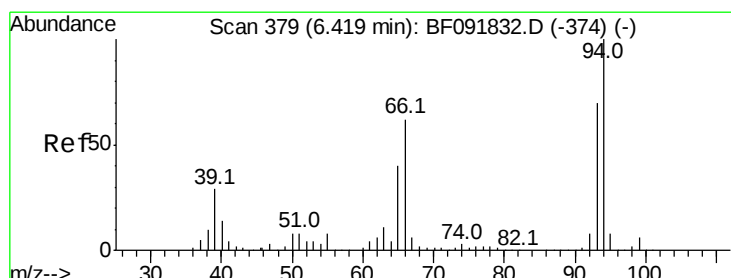
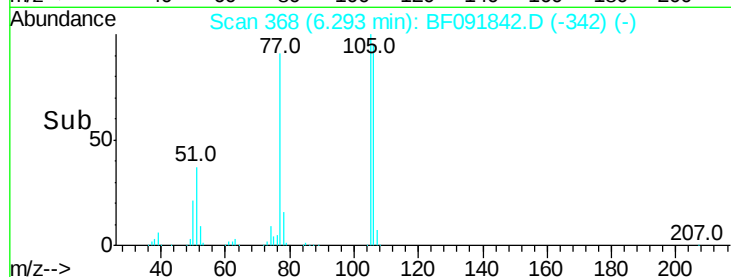
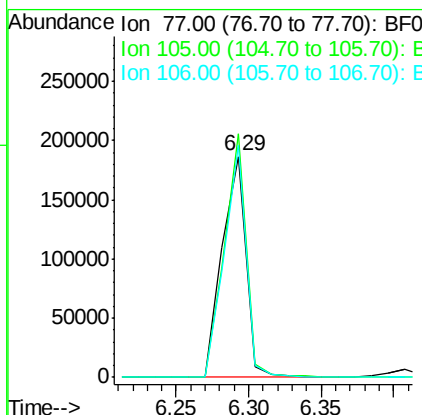
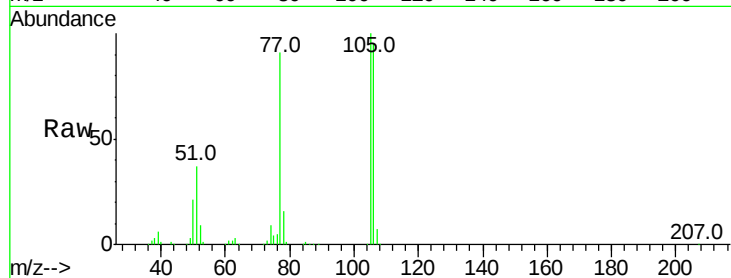
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
77	100		
105	110.1	83.9	123.9
106	104.8	77.6	117.6

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#10

Phenol

Concen: 12.20 ng

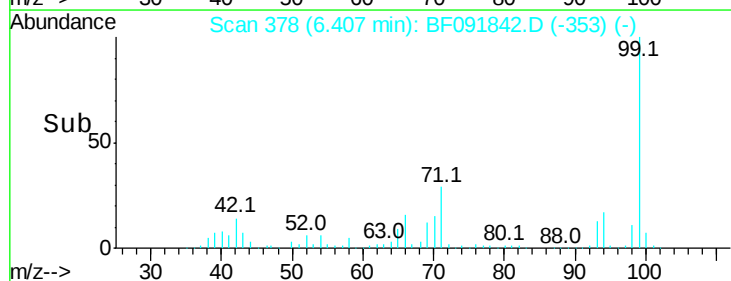
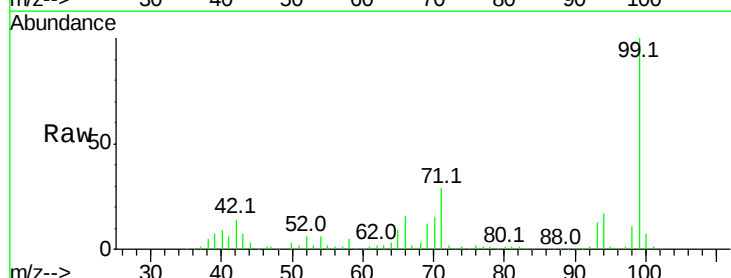
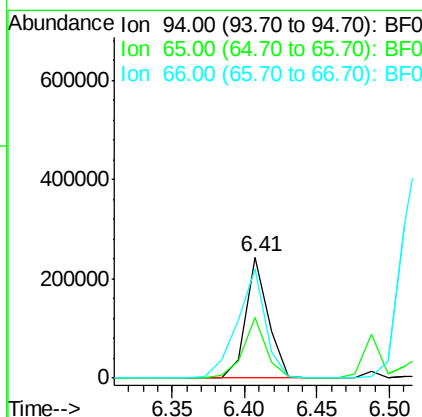
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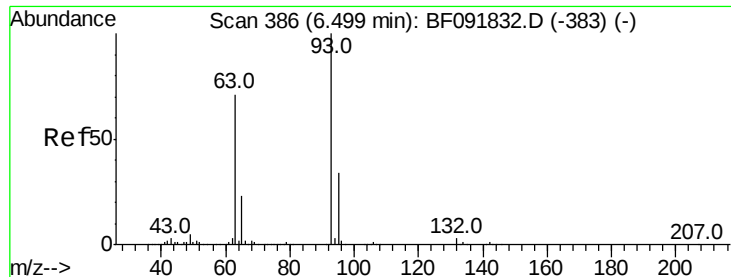
Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
94	100		
65	49.7	21.4	61.4
66	90.4	44.0	84.0#





#11

bis(2-Chloroethyl)ether

Concen: 16.83 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

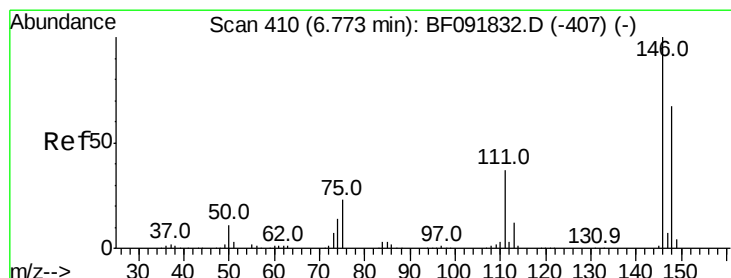
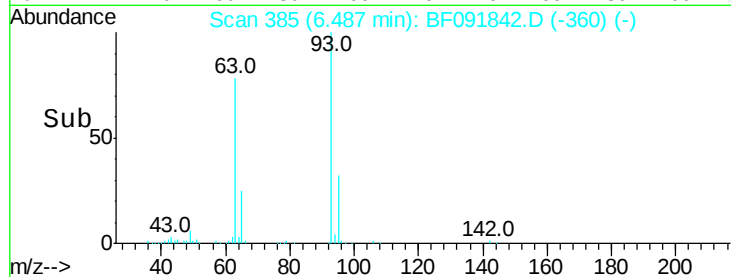
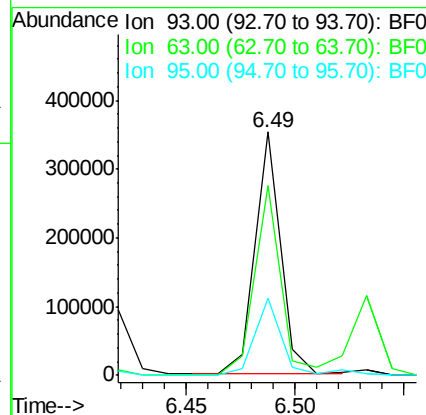
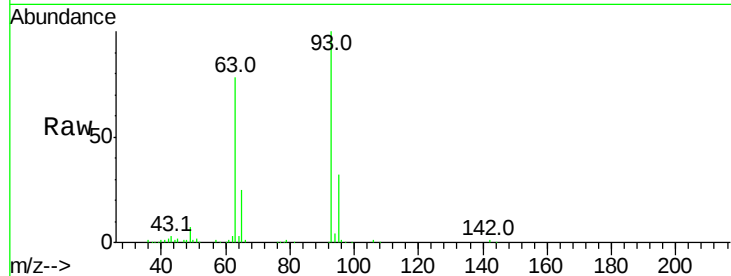
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	93	Resp:	287014
Ion Ratio	Lower	Upper	
93	100		
63	78.1	60.4	100.4
95	31.9	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 16.92 ng m

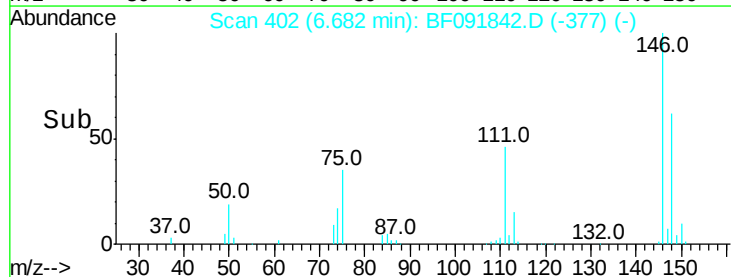
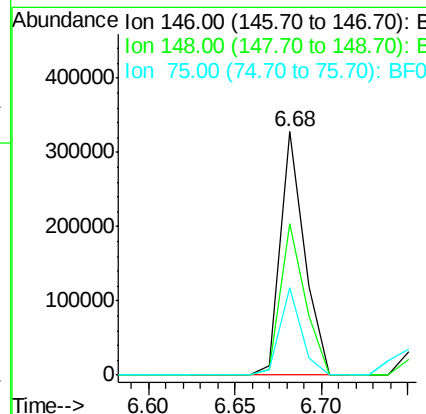
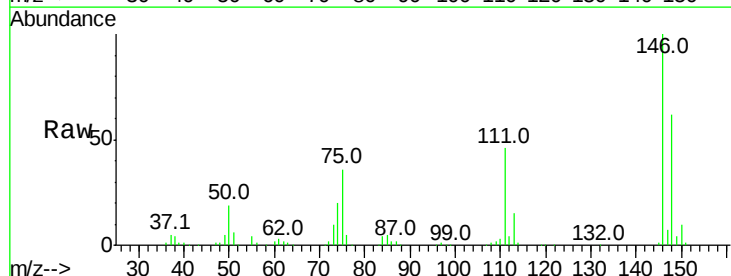
RT: 6.68 min Scan# 402

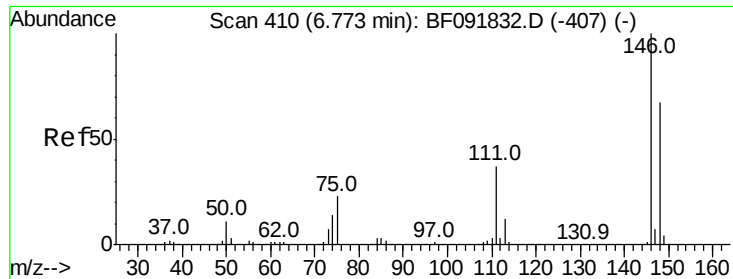
Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	146	Resp:	316498
Ion Ratio	Lower	Upper	
146	100		
148	62.4	53.4	80.0
75	35.8	18.5	27.7#





#13

1,4-Dichlorobenzene

Concen: 16.94 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

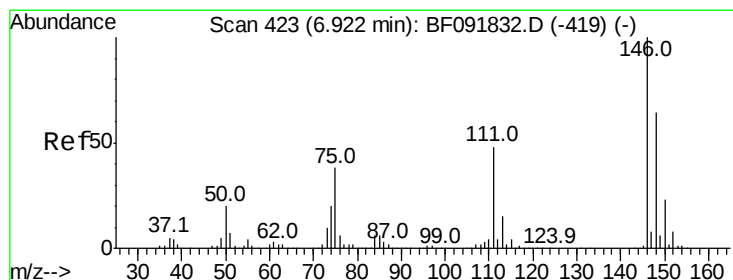
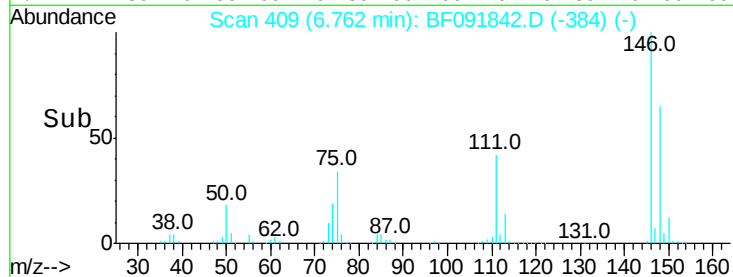
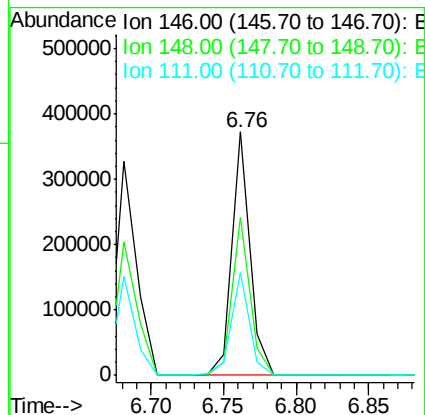
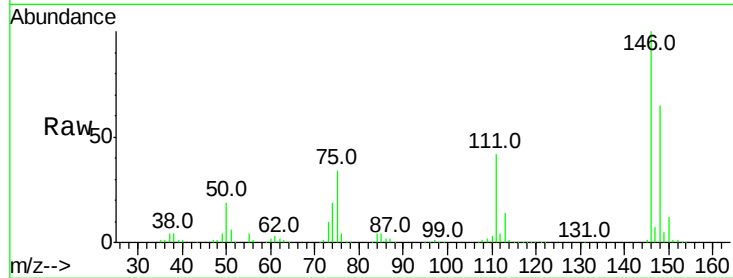
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	146	Resp:	322532
Ion Ratio	Lower	Upper	
146	100		
148	64.7	50.6	76.0
111	42.3	36.2	54.4

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#14

1,2-Dichlorobenzene

Concen: 17.24 ng

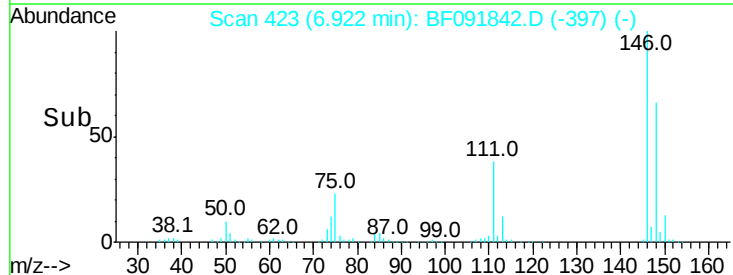
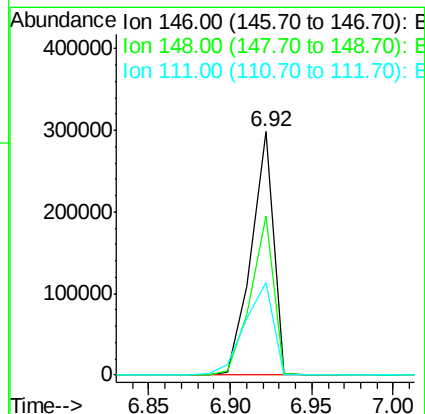
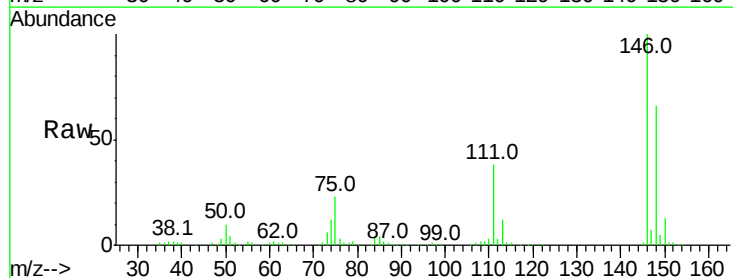
RT: 6.92 min Scan# 423

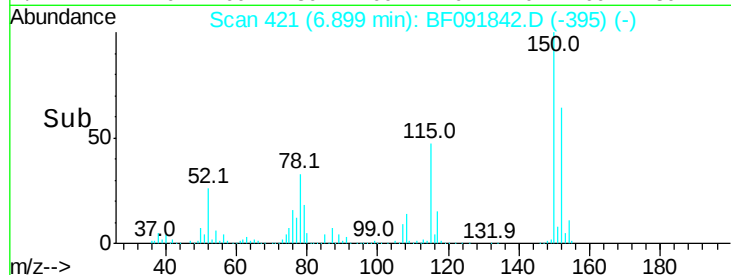
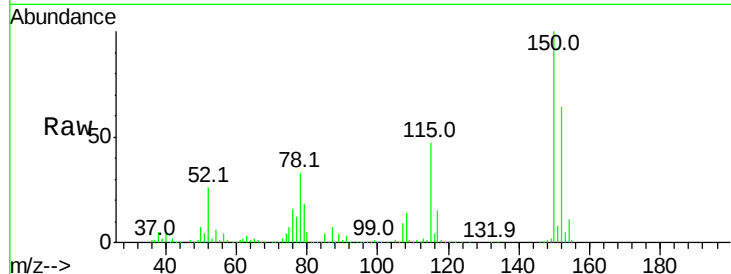
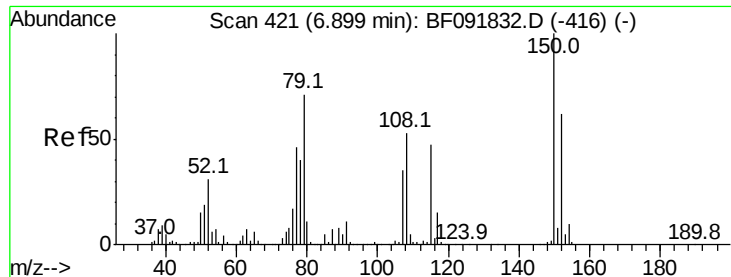
Delta R.T. -0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	146	Resp:	284841
Ion Ratio	Lower	Upper	
146	100		
148	65.6	52.2	78.2
111	37.9	36.2	54.2





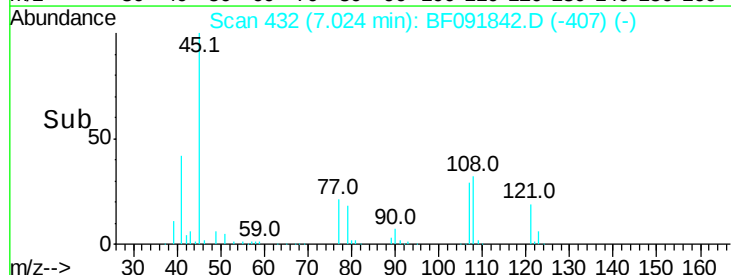
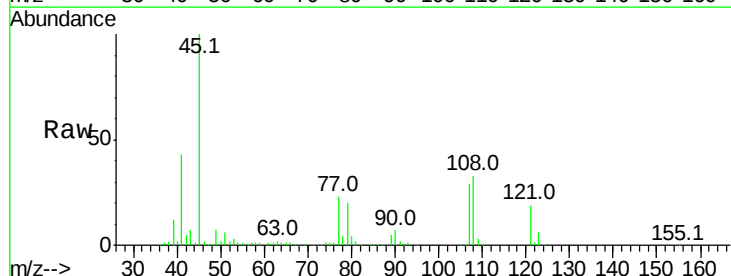
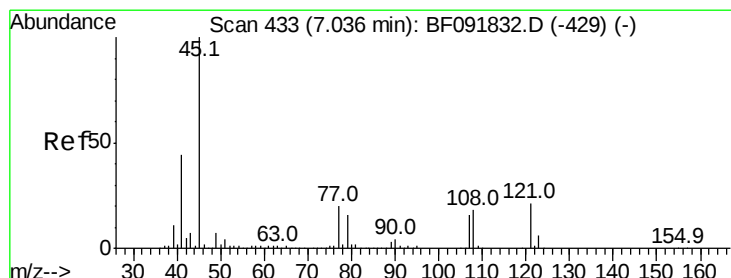
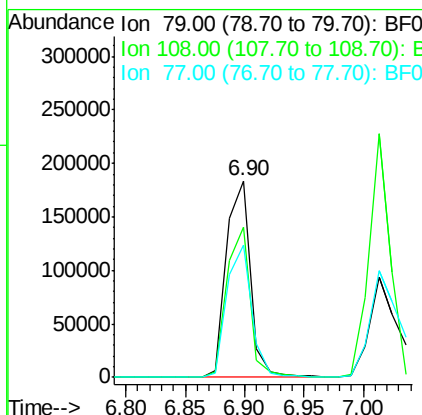
#15
Benzyl Alcohol
Concen: 17.74 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	76.6	61.4	92.0	
77	66.9	50.9	76.3	

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

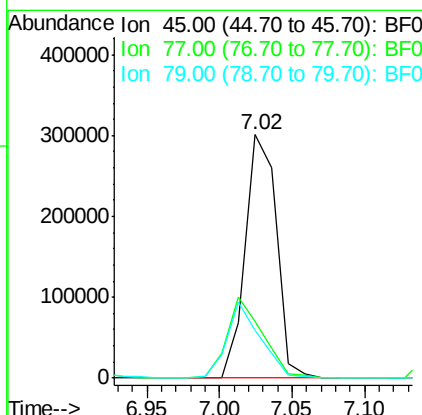
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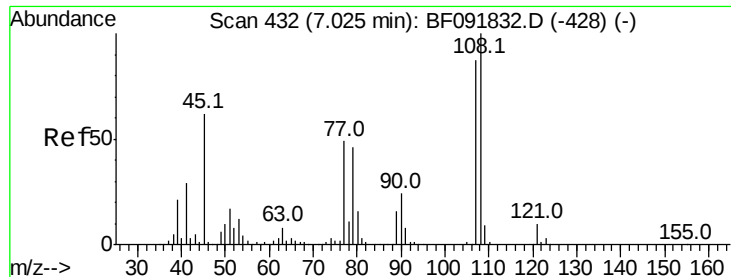
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 17.67 ng
RT: 7.02 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	23.5	0.0	34.6	
79	19.7	0.0	31.2	





#17

2-Methylphenol

Concen: 17.52 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

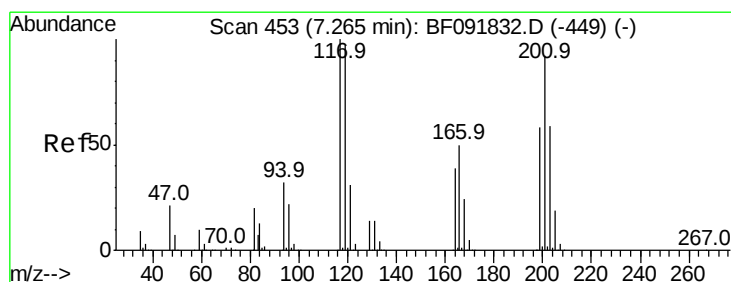
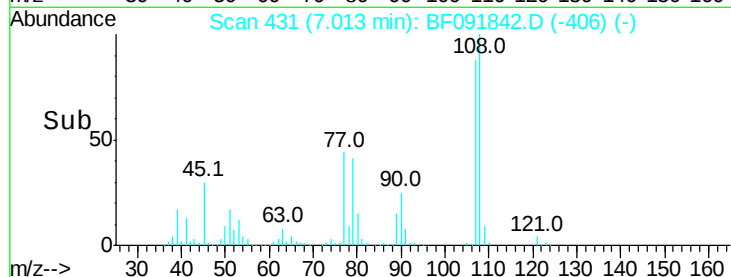
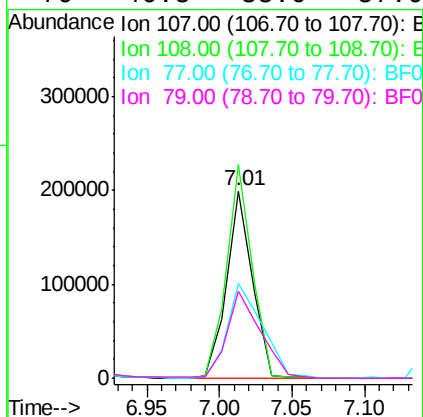
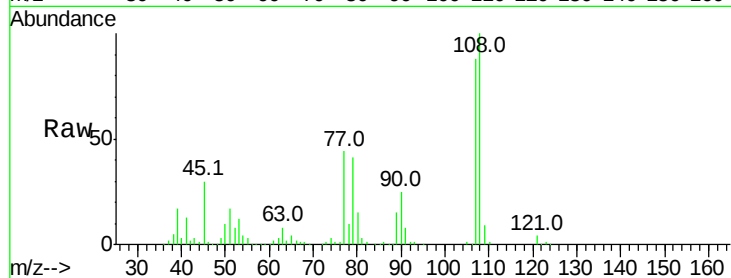
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	107	Resp:	246937
Ion Ratio	Lower	Upper	
107	100		
108	114.2	93.0	139.6
77	50.3	39.8	59.8
79	46.8	38.0	57.0

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#18

Hexachloroethane

Concen: 16.84 ng

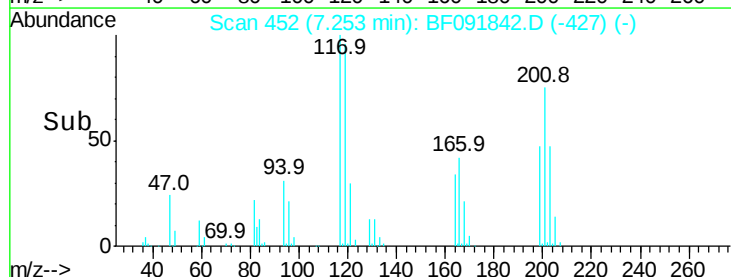
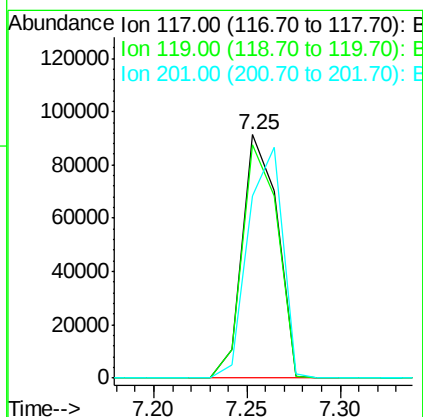
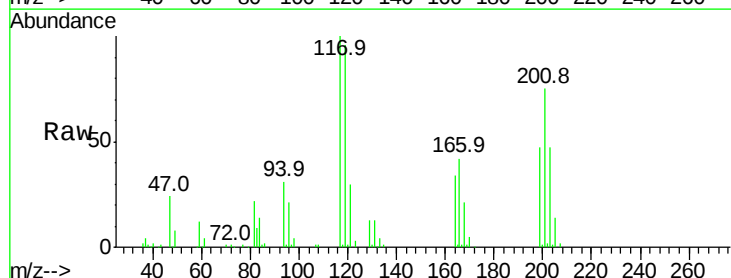
RT: 7.25 min Scan# 452

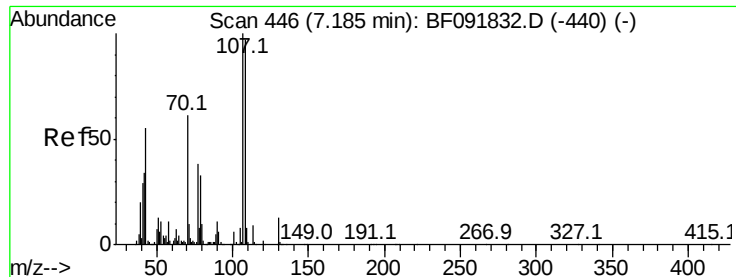
Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	117	Resp:	118847
Ion Ratio	Lower	Upper	
117	100		
119	95.7	78.1	117.1
201	74.7	78.6	117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 17.00 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF091842.D

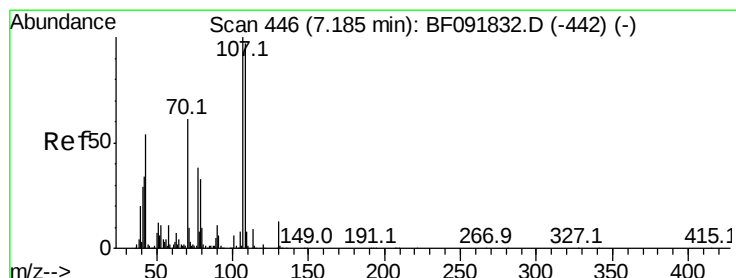
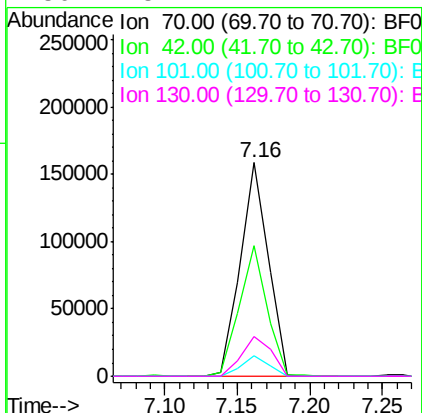
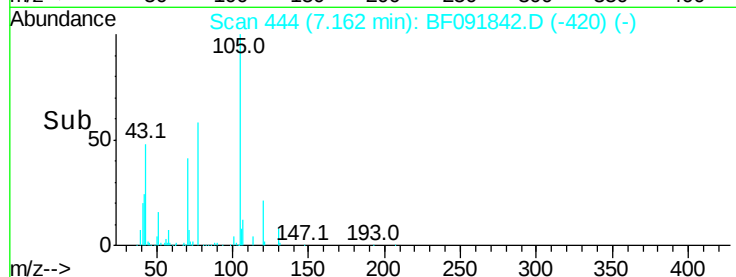
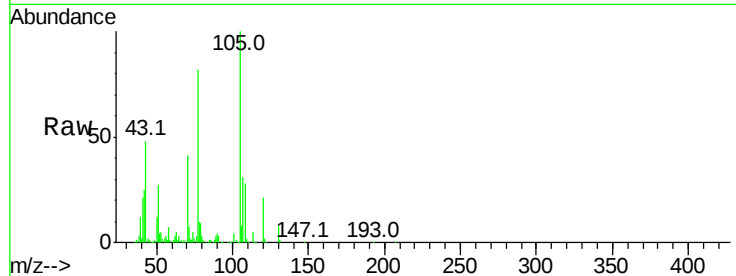
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
70	100		
42	61.3	49.4	74.0
101	9.4	7.4	11.2
130	18.7	14.2	21.4

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#20

3+4-Methylphenols

Concen: 19.08 ng

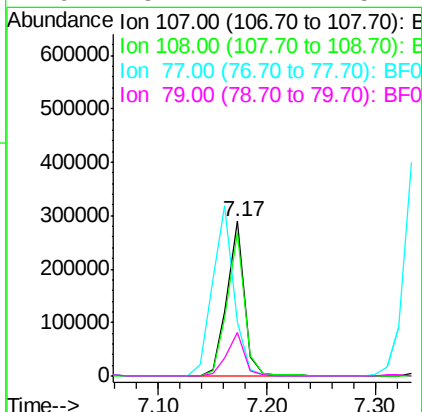
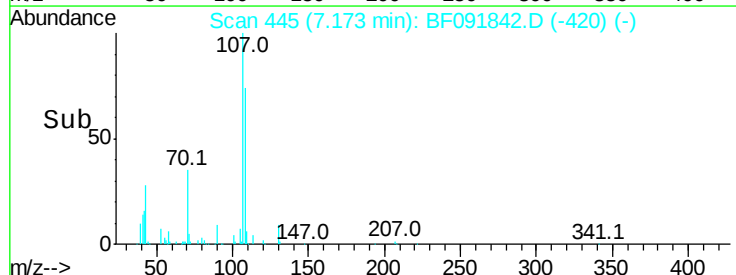
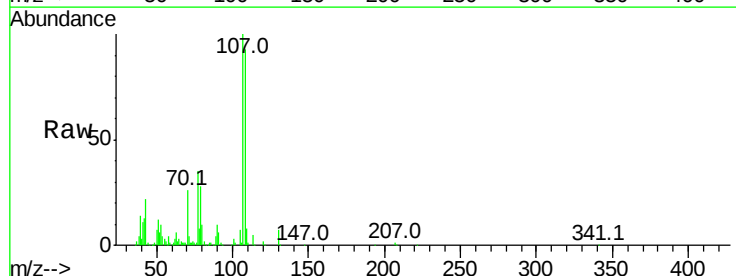
RT: 7.17 min Scan# 445

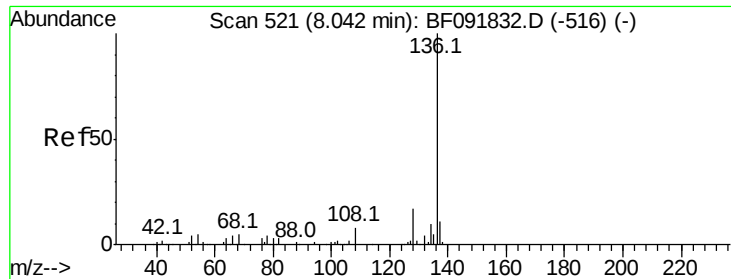
Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.9	73.0	113.0
77	35.1	71.3	111.3#
79	28.1	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:136 Resp: 1055805

Ion Ratio Lower Upper

136 100

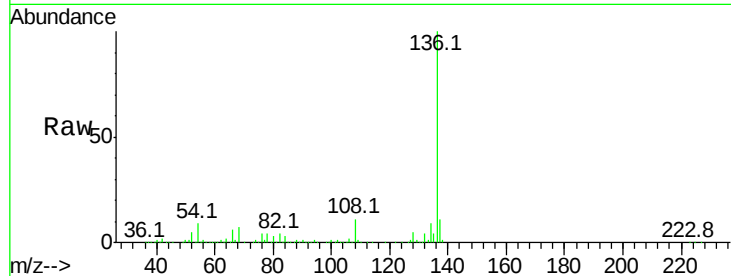
137 11.3 8.4 12.6

54 8.8 4.5 6.7#

68 6.9 3.6 5.4#

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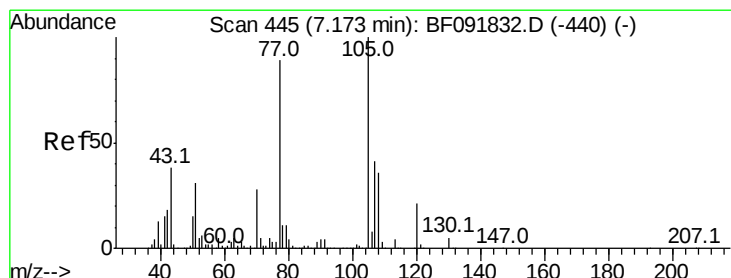
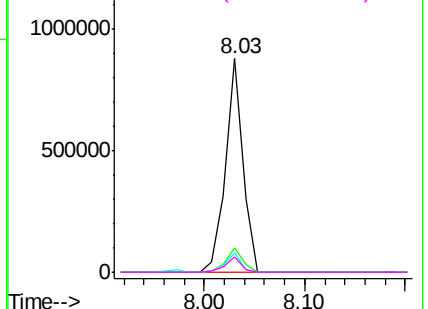
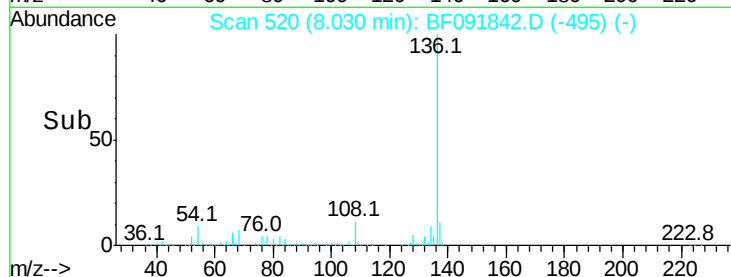


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 17.63 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:105 Resp: 459246

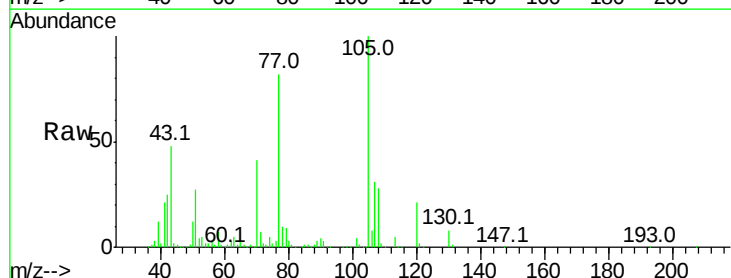
Ion Ratio Lower Upper

105 100

71 6.8 3.2 4.8#

51 26.9 26.2 39.4

120 21.1 16.6 24.8

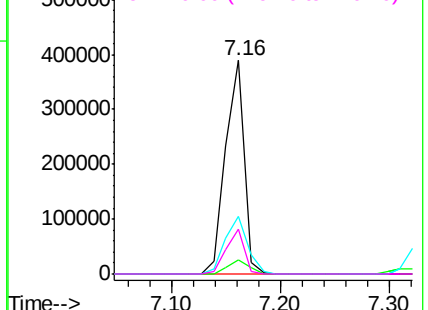
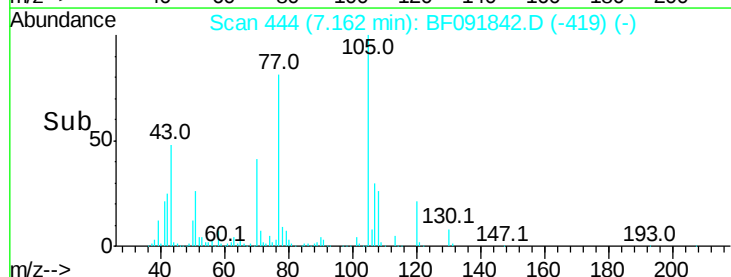


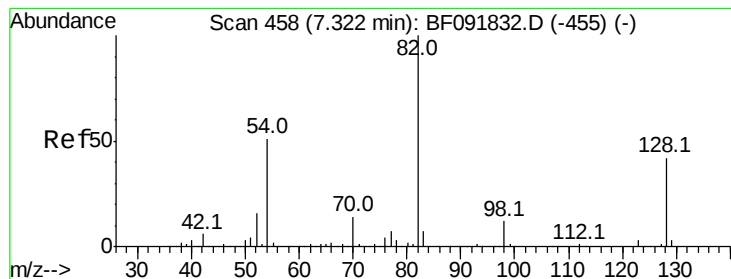
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 110.66 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion: 82 Resp: 2101078

Ion Ratio Lower Upper

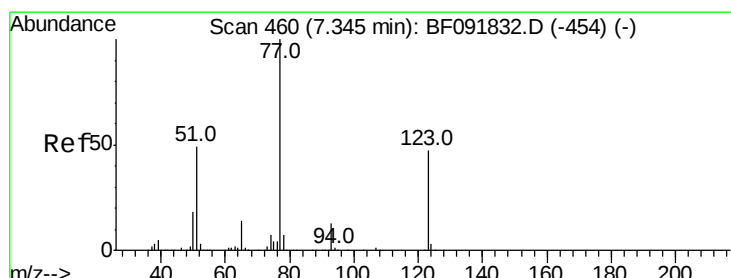
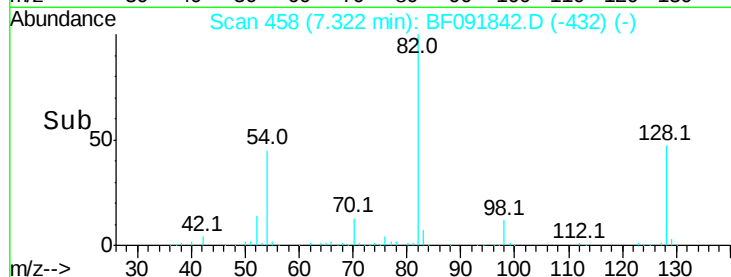
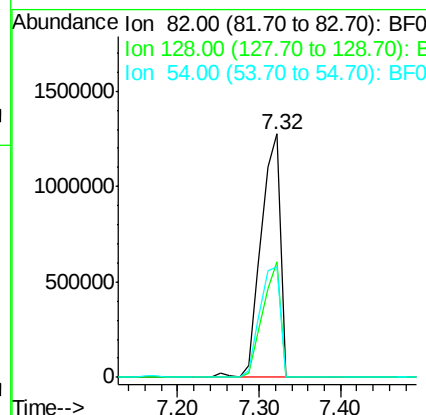
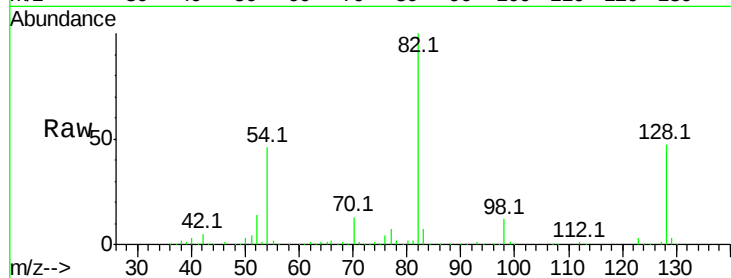
82 100

128 47.3 34.6 52.0

54 45.6 39.5 59.3

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#24

Nitrobenzene

Concen: 17.58 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

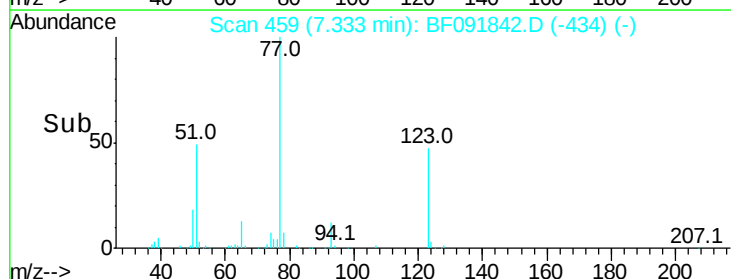
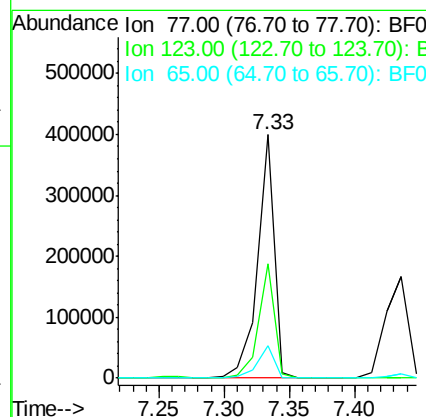
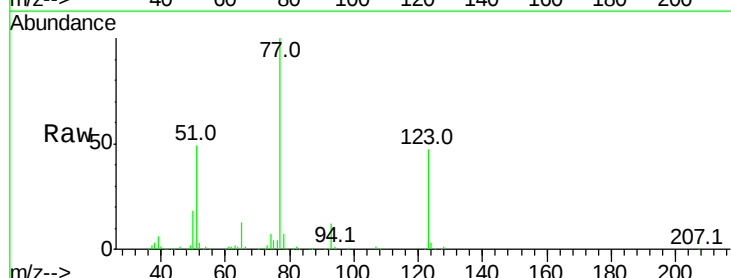
Tgt Ion: 77 Resp: 355430

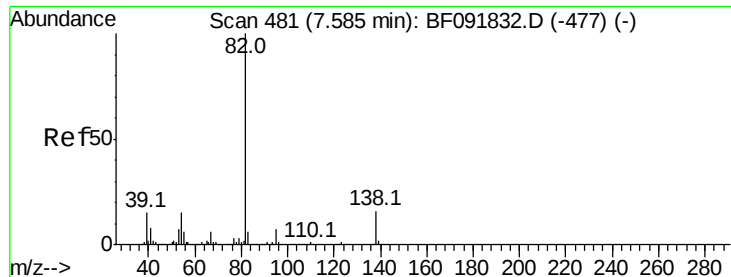
Ion Ratio Lower Upper

77 100

123 47.1 33.0 49.4

65 13.3 11.2 16.8





#25

Isophorone

Concen: 16.77 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

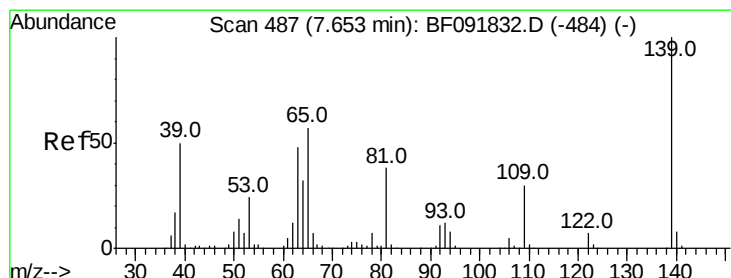
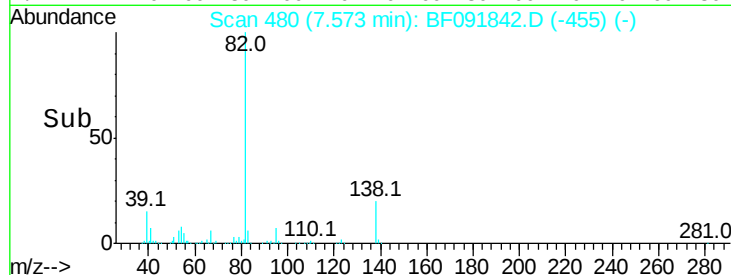
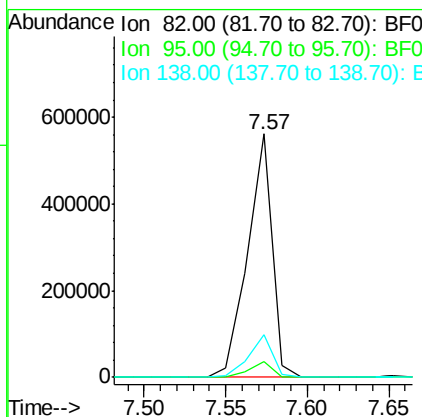
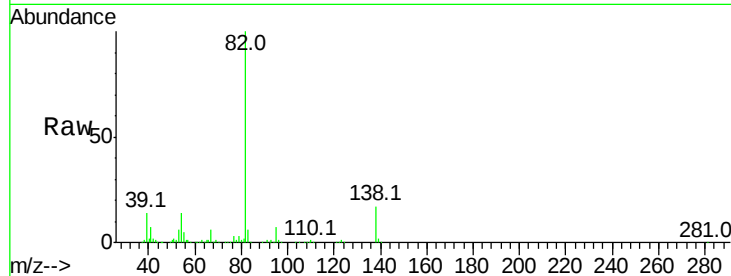
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	82	Resp:	587531
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.6	8.4
138	17.5	14.6	22.0

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#26

2-Nitrophenol

Concen: 16.59 ng

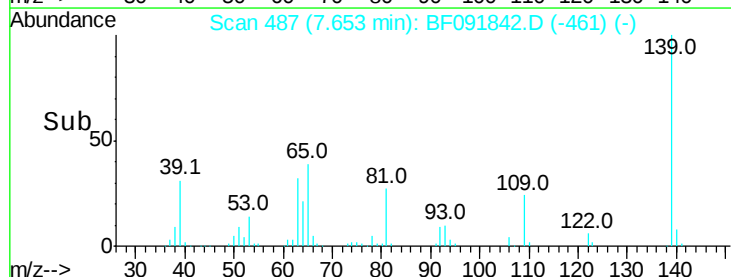
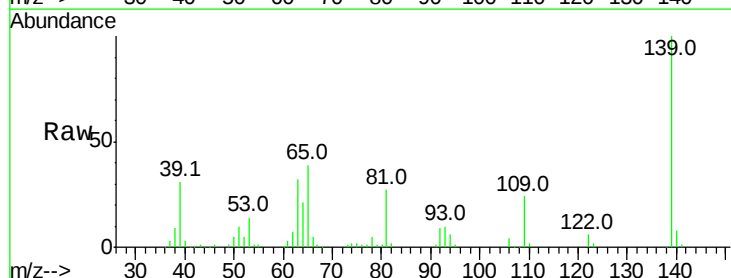
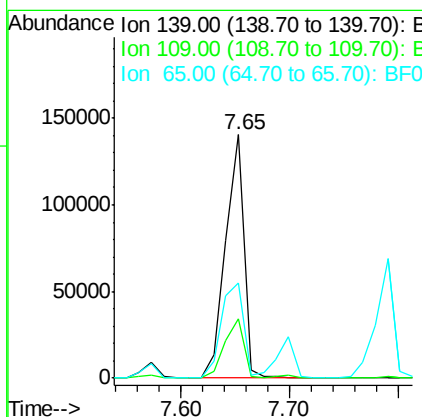
RT: 7.65 min Scan# 487

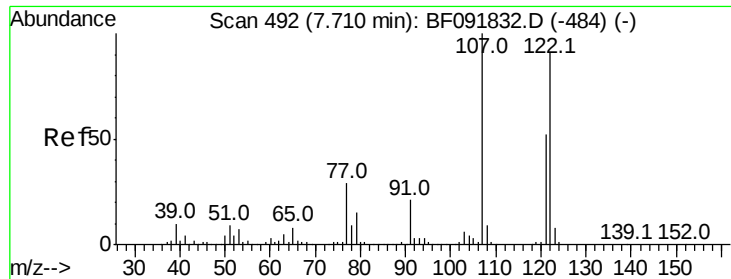
Delta R.T. -0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	139	Resp:	165443
Ion Ratio	Lower	Upper	
139	100		
109	24.2	23.3	34.9
65	38.8	42.7	64.1#





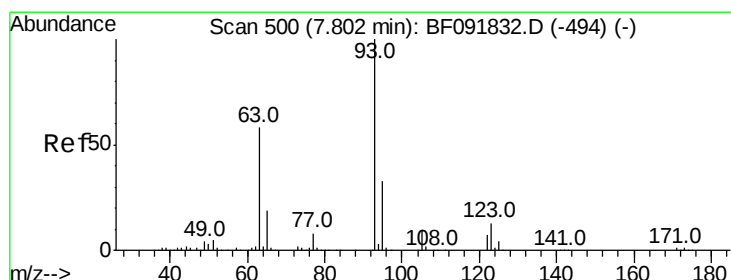
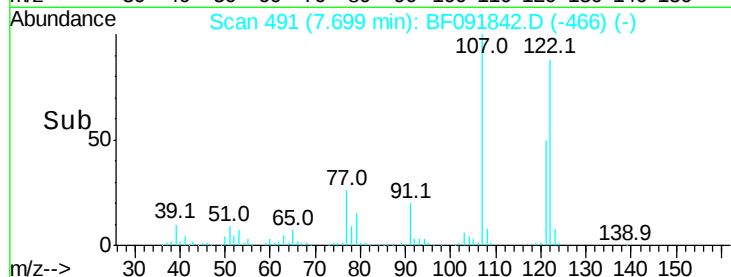
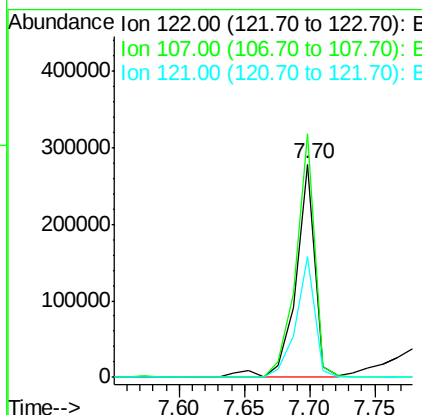
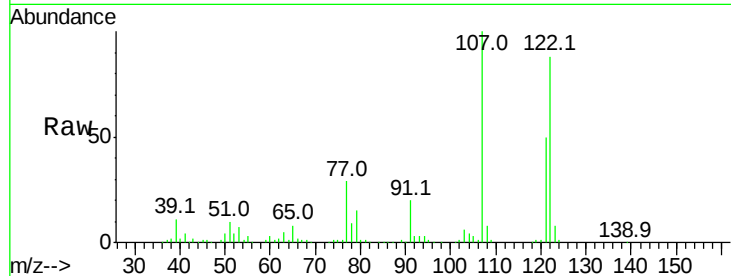
#27
2,4-Dimethylphenol
Concen: 17.25 ng
RT: 7.70 min Scan# 491
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
122	100	285385		
107	114.1	94.1	141.1	
121	56.8	46.0	69.0	

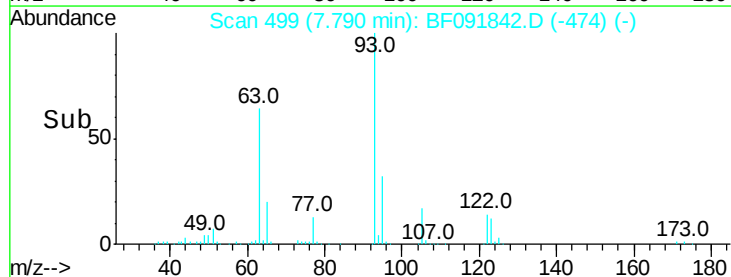
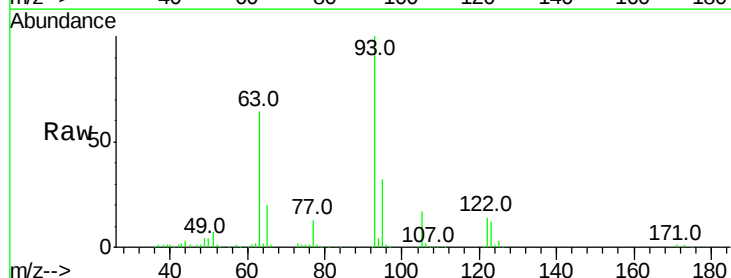
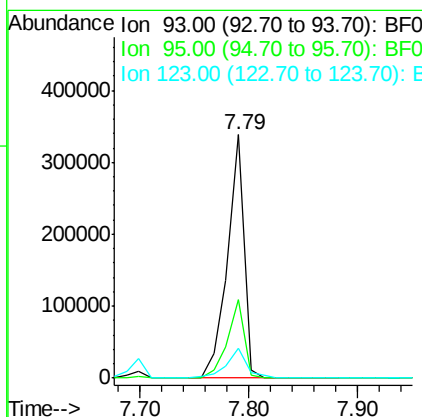
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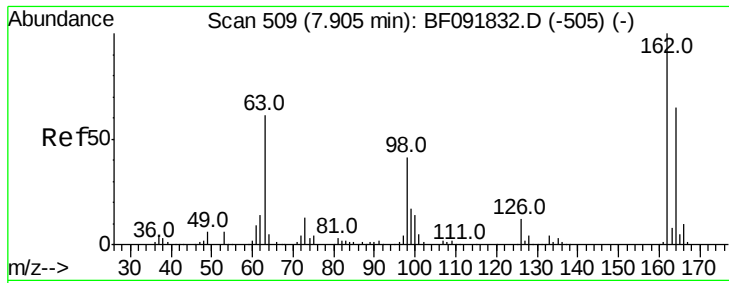
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#28
bis(2-Chloroethoxy)methane
Concen: 16.93 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	359549		
95	32.5	26.5	39.7	
123	12.1	8.6	13.0	





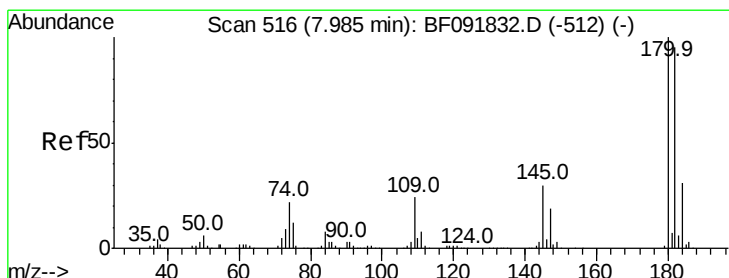
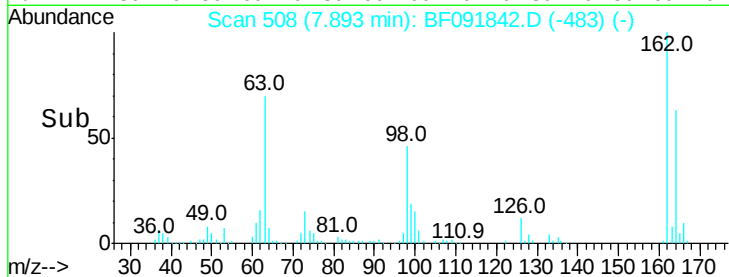
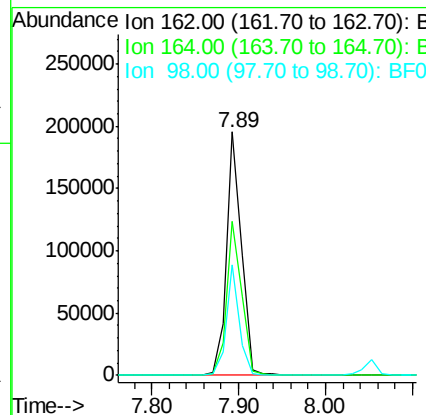
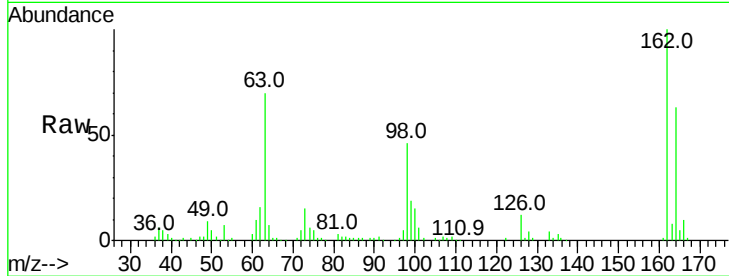
#29
2,4-Dichlorophenol
Concen: 16.86 ng
RT: 7.89 min Scan# 508
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.1	46.8	86.8
98	45.6	9.1	49.1

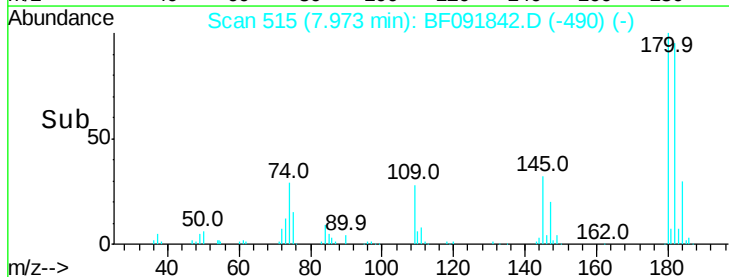
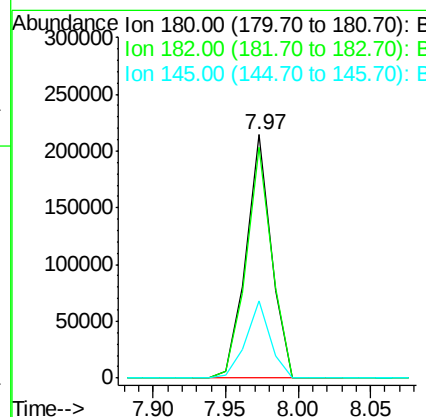
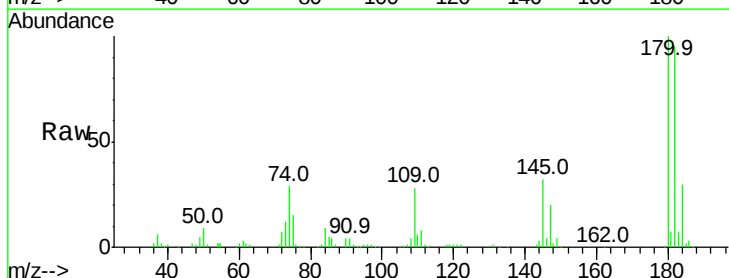
Manual Integrations
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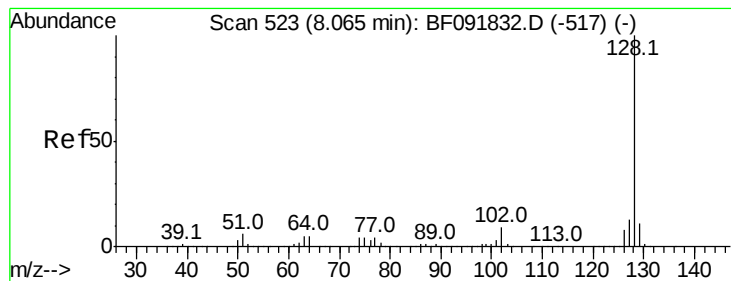
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#30
1,2,4-Trichlorobenzene
Concen: 16.94 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.7	78.2	117.4
145	31.6	21.6	32.4





#31

Naphthalene

Concen: 18.40 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

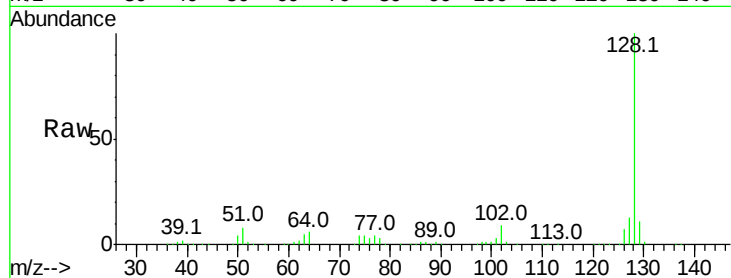
ClientSampleId :

LOQ-SOIL-02-QT1-2017

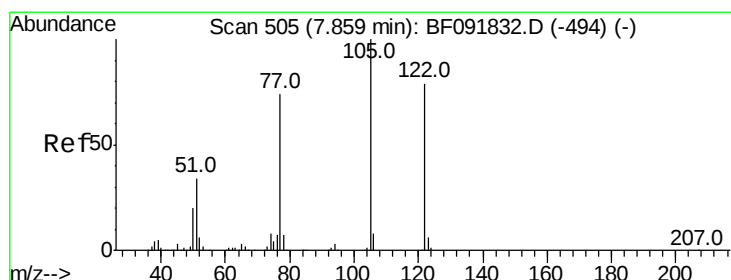
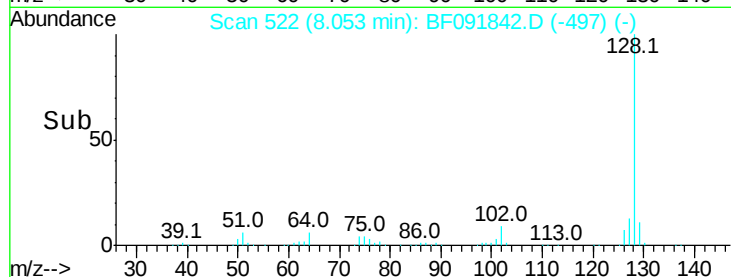
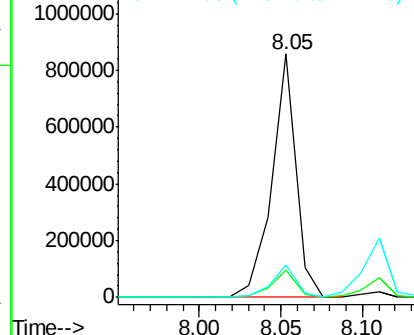
Tot Ion:	128	Resp:	888915
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.5	14.3
127	13.1	10.8	16.2

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.43 ng

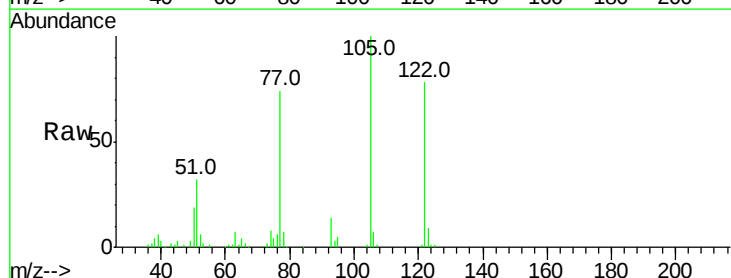
RT: 7.80 min Scan# 500

Delta R.T. -0.06 min

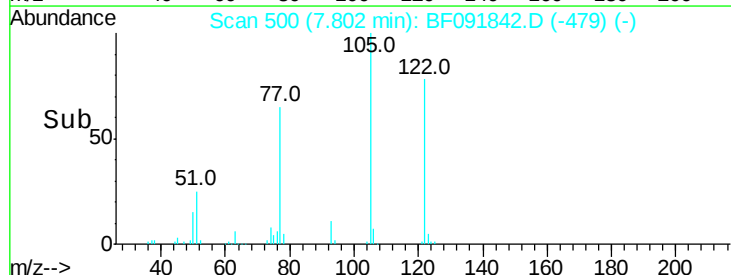
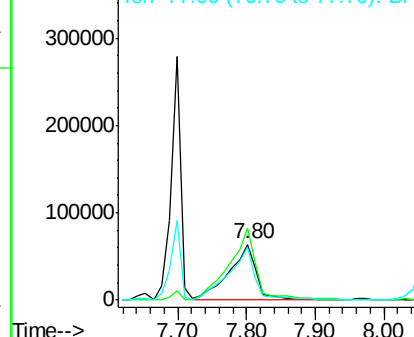
Lab File: BF091842.D

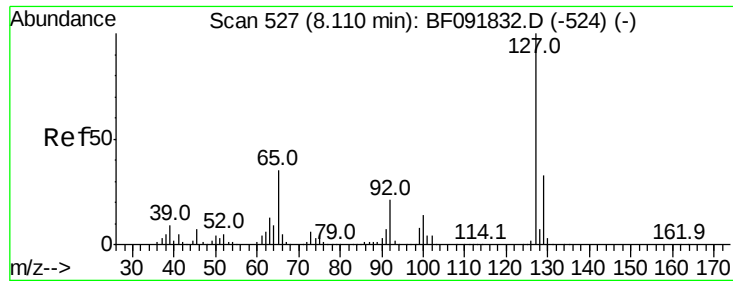
Acq: 21 Dec 2016 19:18

Tgt Ion:	122	Resp:	177078
Ion Ratio	Lower	Upper	
122	100		
105	128.4	107.2	147.2
77	94.9	74.5	114.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





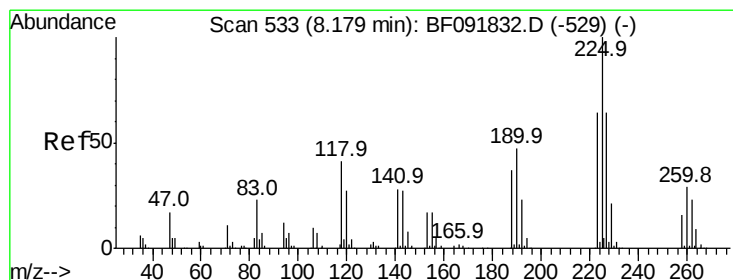
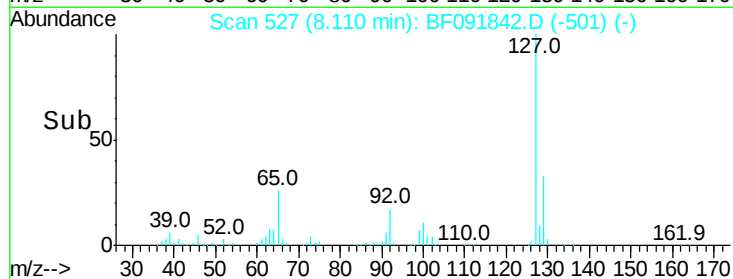
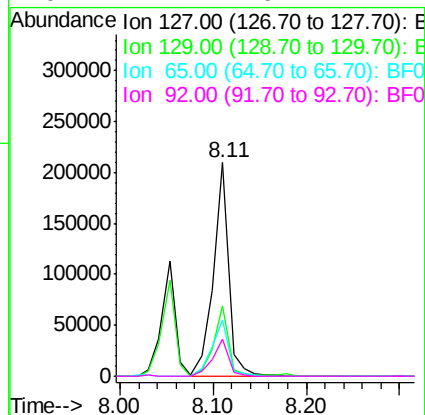
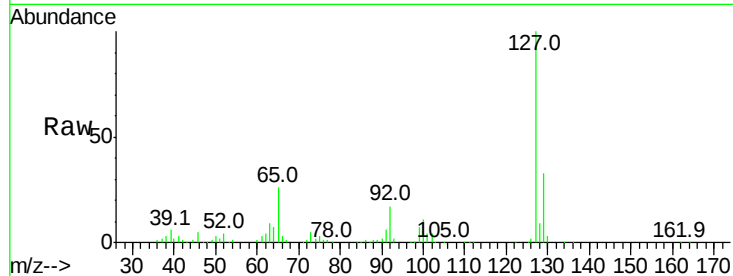
#33
4-Chloroaniline
Concen: 11.03 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.8	26.3	39.5	
65	26.1	25.8	38.8	
92	17.2	16.1	24.1	

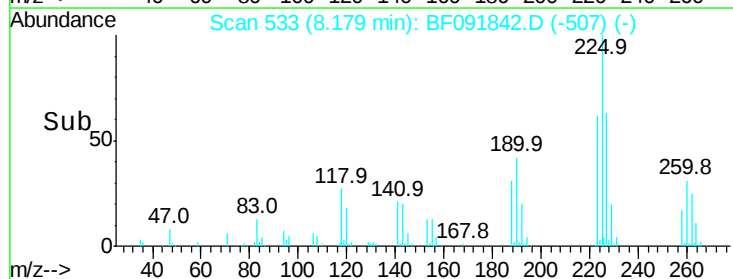
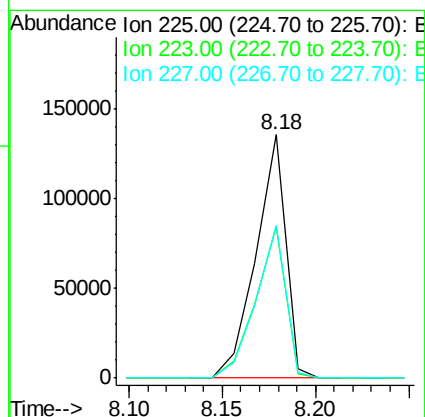
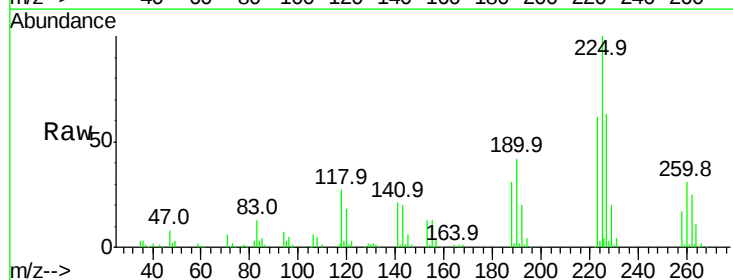
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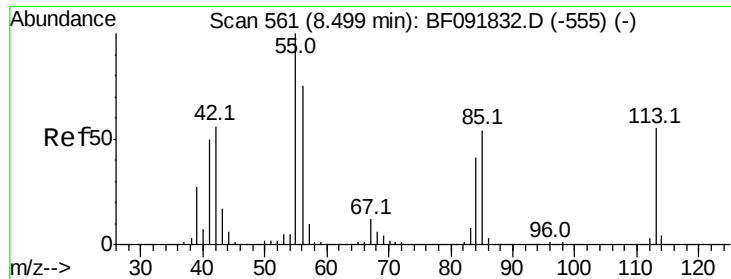
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#34
Hexachlorobutadiene
Concen: 18.44 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	51.0	76.6	
227	62.6	50.6	76.0	





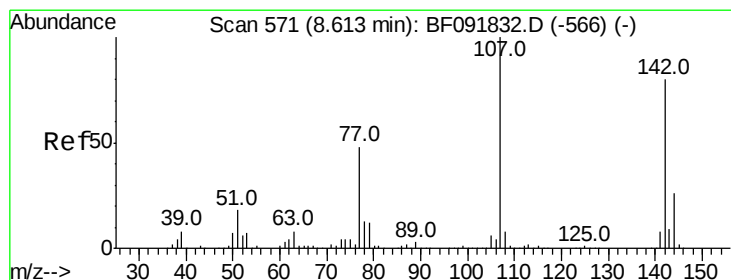
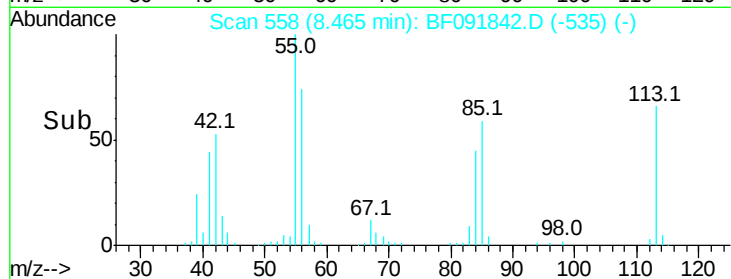
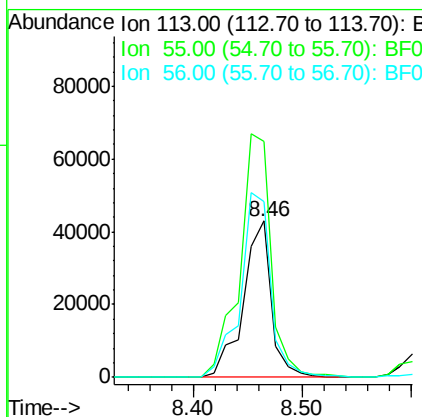
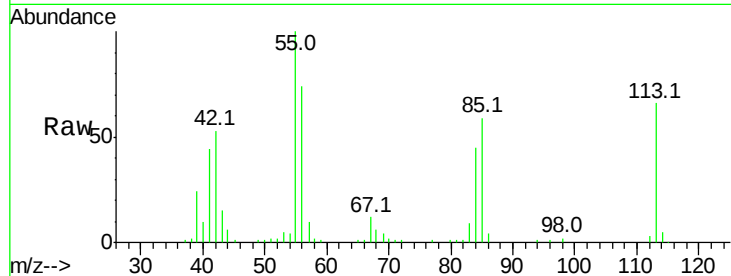
#35
 Caprolactam
 Concen: 16.77 ng
 RT: 8.46 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Tot Ion:113 Resp: 77180
 Ion Ratio Lower Upper
 113 100
 55 151.3 119.2 159.2
 56 112.6 83.8 123.8

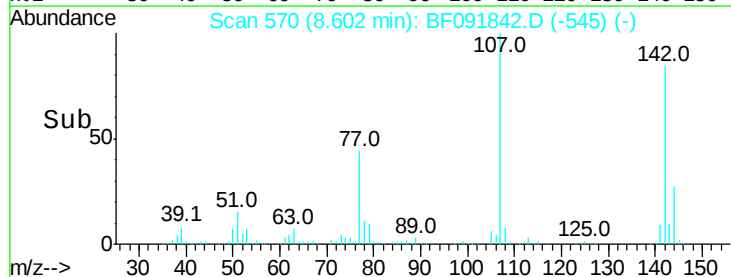
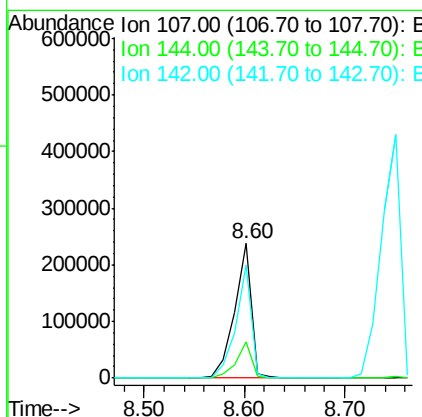
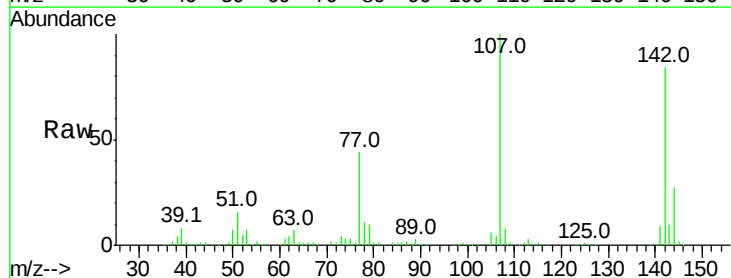
Manual Integrations
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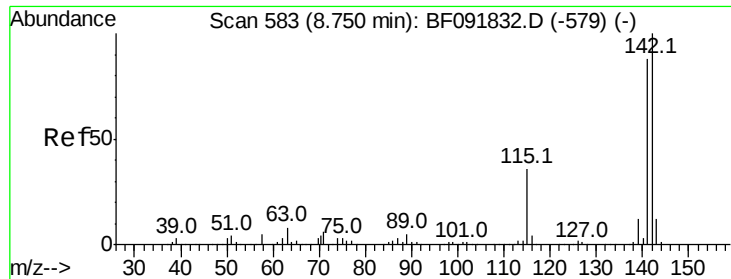
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#36
 4-Chloro-3-methylphenol
 Concen: 17.06 ng
 RT: 8.60 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Tgt Ion:107 Resp: 275038
 Ion Ratio Lower Upper
 107 100
 144 27.4 19.3 28.9
 142 83.8 59.0 88.6





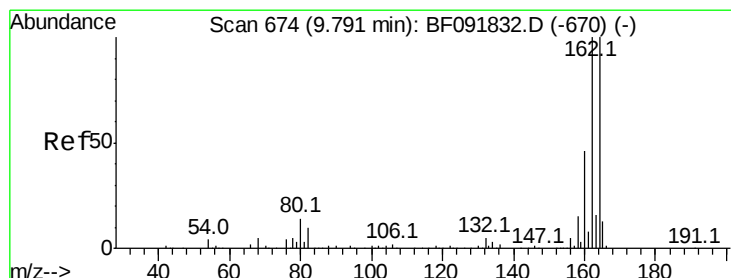
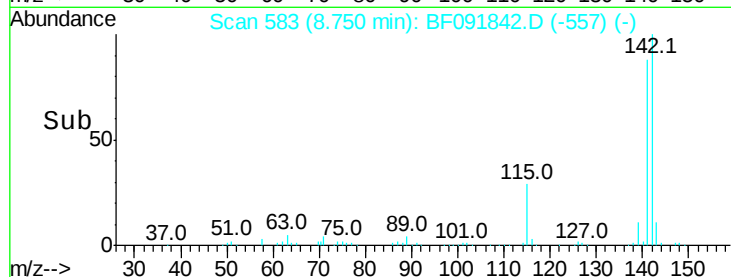
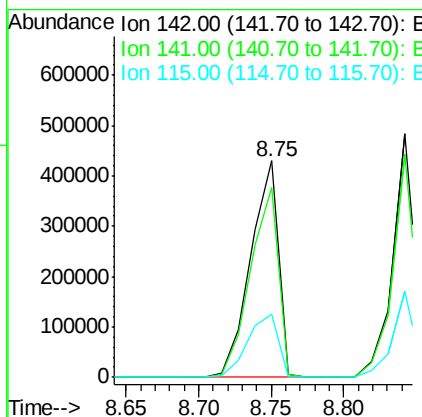
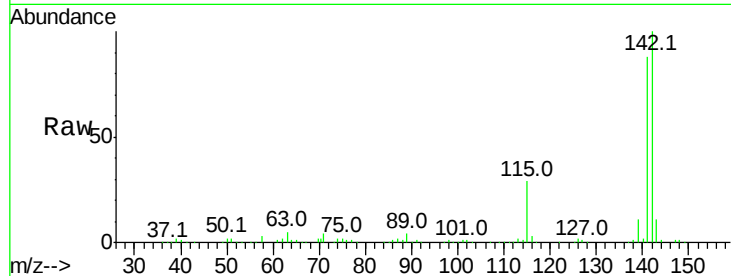
#37
2-Methylnaphthalene
Concen: 15.64 ng
RT: 8.75 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.0	106.6
115	29.4	28.3	42.5

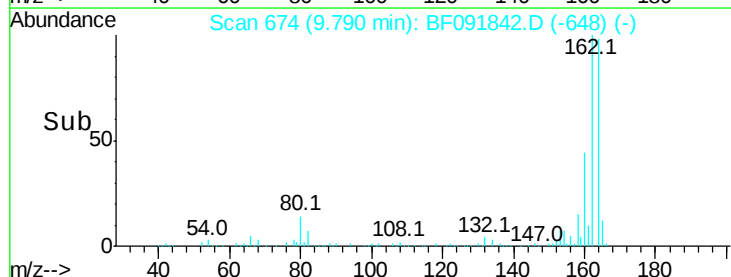
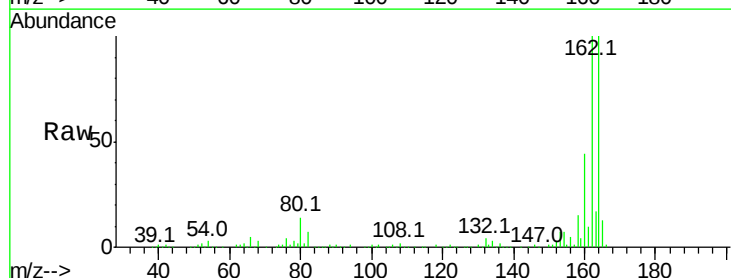
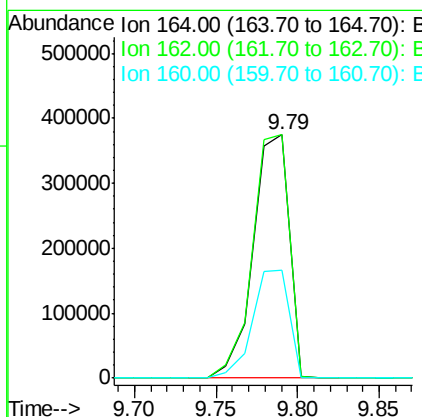
Manual Integrations
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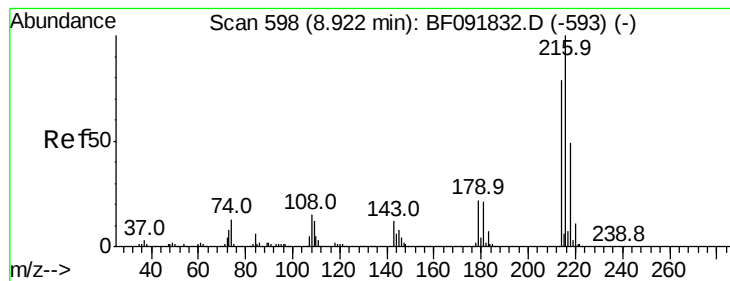
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.00 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.2	120.2
160	44.5	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 16.50 ng

RT: 8.91 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

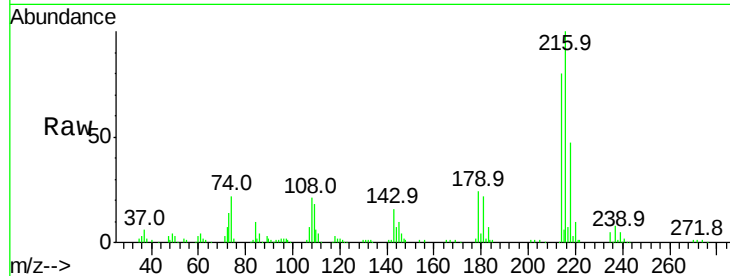
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	216	Resp:	239741
Ion Ratio	Lower	Upper	
216	100		
214	79.4	63.4	95.0
179	22.2	17.4	26.2
108	20.5	15.6	23.4

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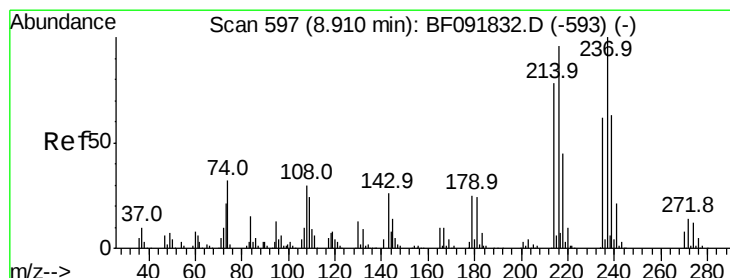
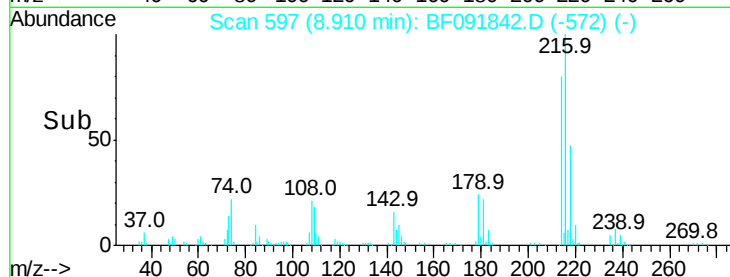
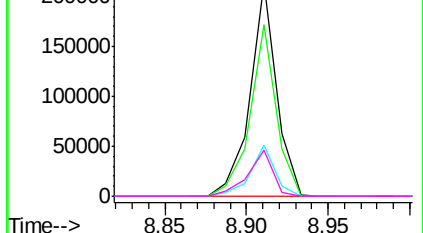


Abundance Ion 216.00 (215.70 to 216.70): E

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: 15.16 ng

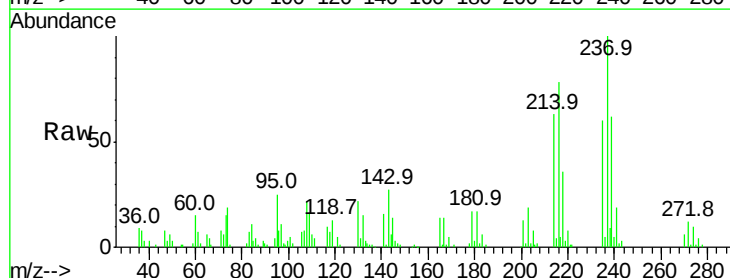
RT: 8.90 min Scan# 596

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

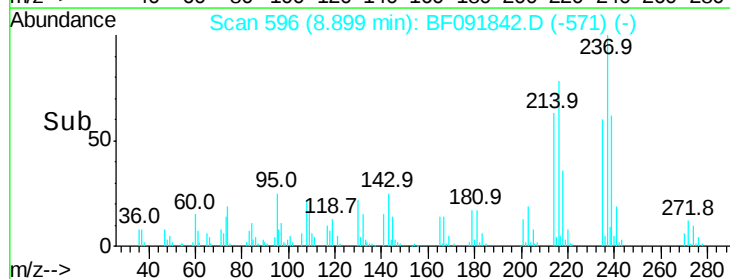
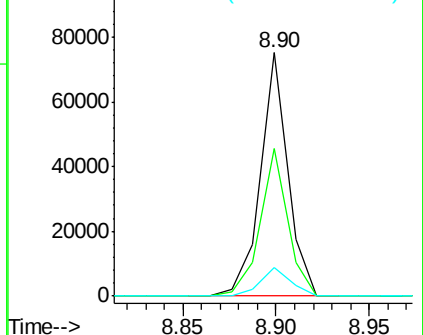
Tgt Ion:	237	Resp:	76105
Ion Ratio	Lower	Upper	
237	100		
235	60.5	41.2	81.2
272	11.8	0.0	35.4

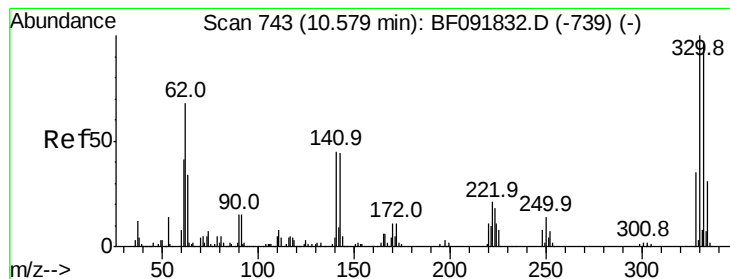


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 134.83 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

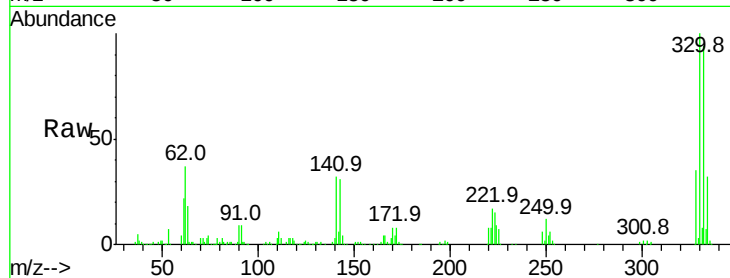
ClientSampleId :

LOQ-SOIL-02-QT1-2017

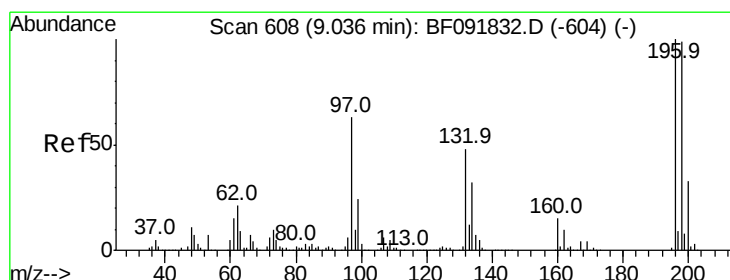
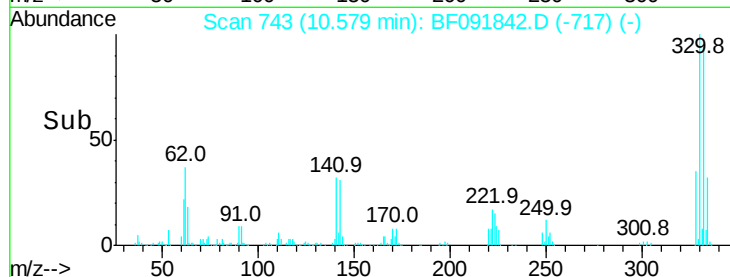
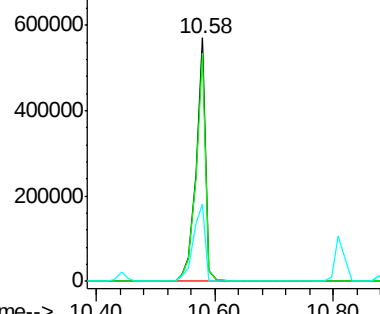
Tot Ion:	330	Resp:	641651
Ion Ratio	Lower	Upper	
330	100		
332	94.7	77.4	116.2
141	39.3	34.1	51.1

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



#42

2,4,6-Trichlorophenol

Concen: 16.62 ng

RT: 9.02 min Scan# 607

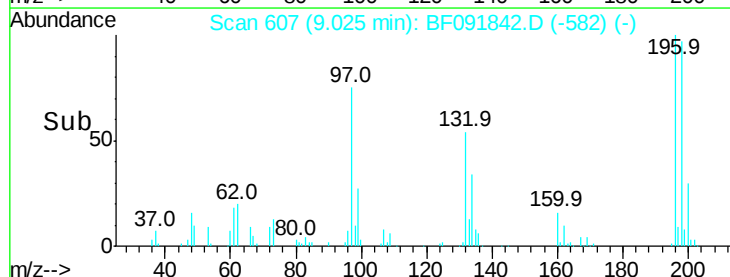
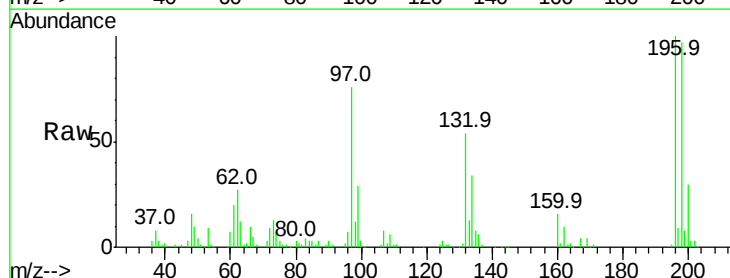
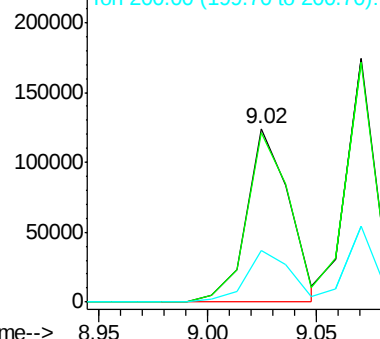
Delta R.T. -0.01 min

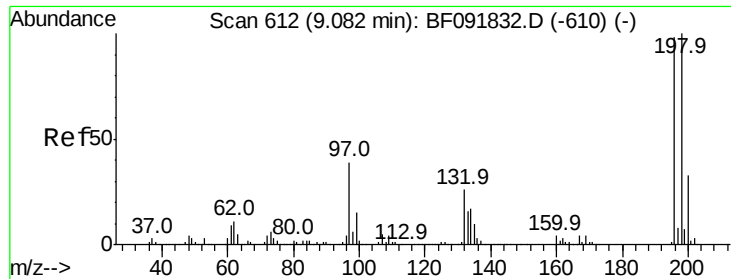
Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	196	Resp:	168872
Ion Ratio	Lower	Upper	
196	100		
198	97.4	82.1	123.1
200	29.6	27.0	40.4

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





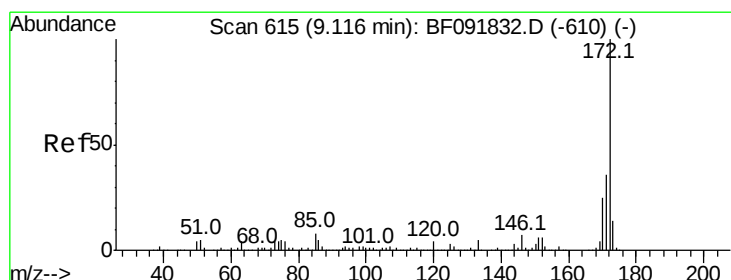
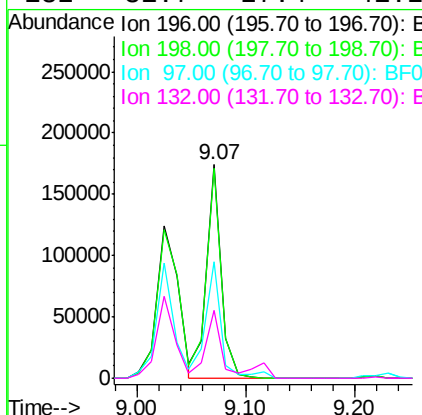
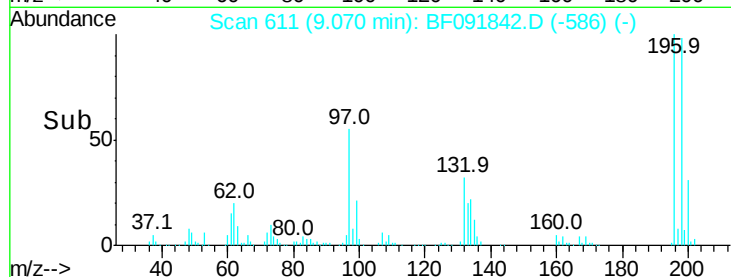
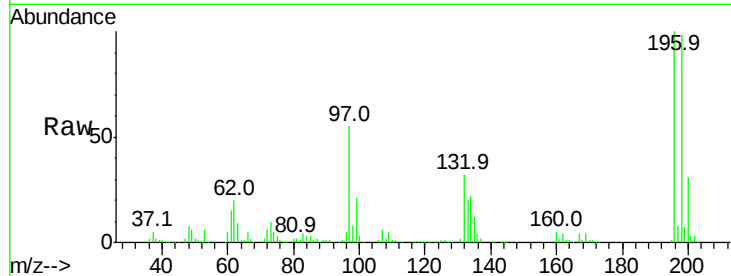
#43
 2,4,5-Trichlorophenol
 Concen: 15.84 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Tot Ion	196	Resp	165649
Ion Ratio	Lower	Upper	
196	100		
198	98.3	79.4	119.2
97	54.8	51.5	77.3
132	31.7	27.4	41.2

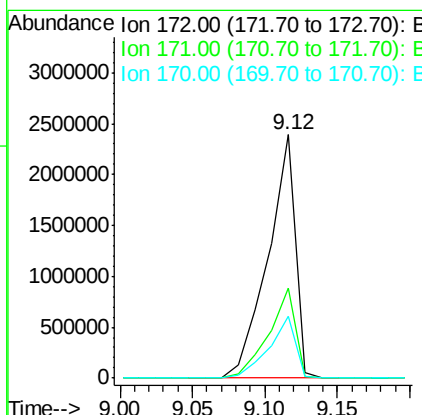
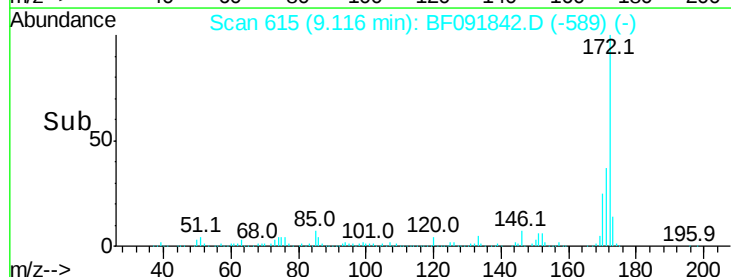
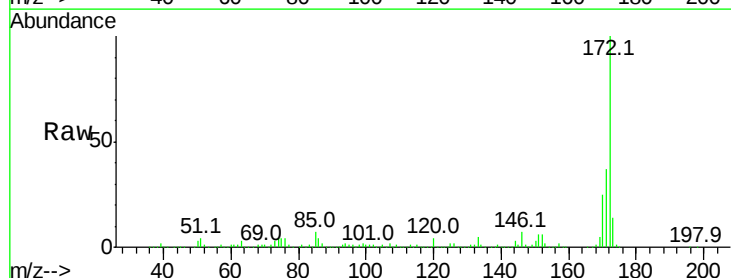
Manual Integrations
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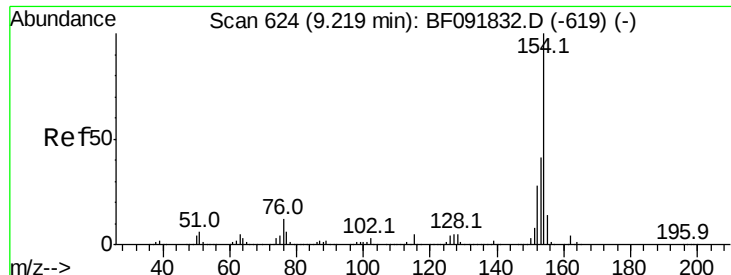
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#44
 2-Fluorobiphenyl
 Concen: 116.38 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Tgt Ion	172	Resp	3132588
Ion Ratio	Lower	Upper	
172	100		
171	37.1	29.4	44.0
170	25.3	20.2	30.4





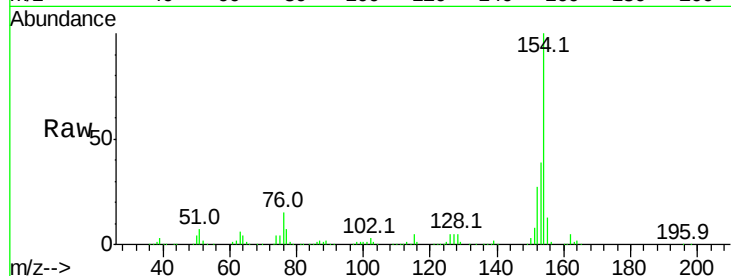
#45
 1,1'-Biphenyl
 Concen: 17.77 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

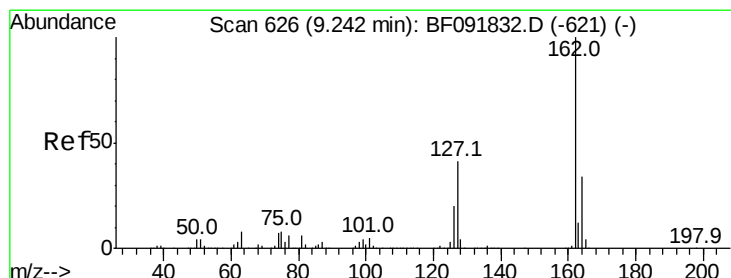
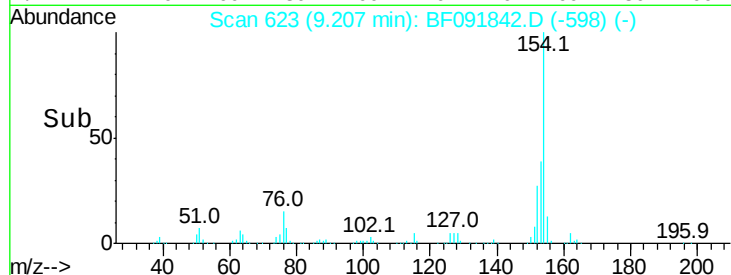
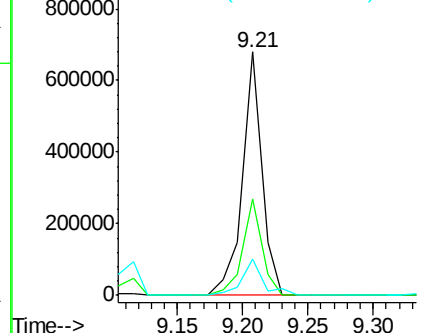
Tot Ion	Ratio	Resp	Lower	Upper
154	100	699562		
153	39.4	20.9	60.9	
76	14.8	0.0	30.5	

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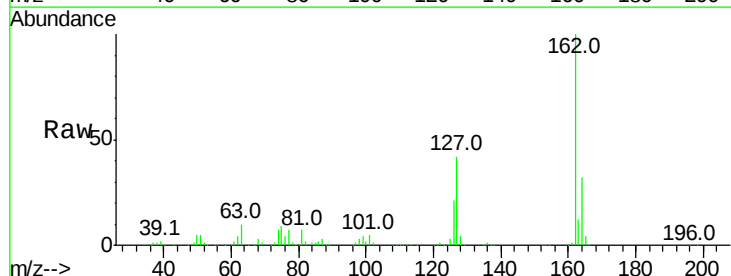


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

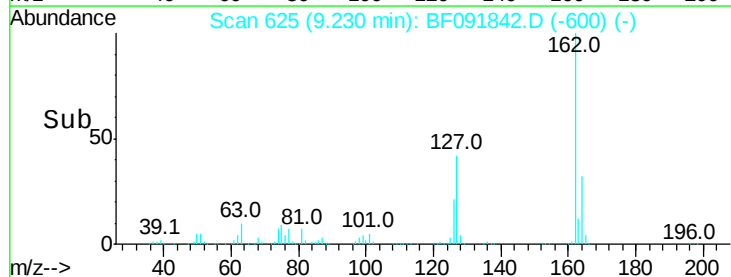
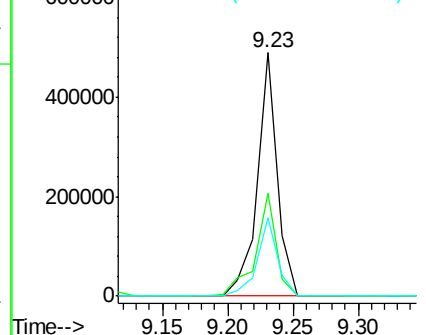


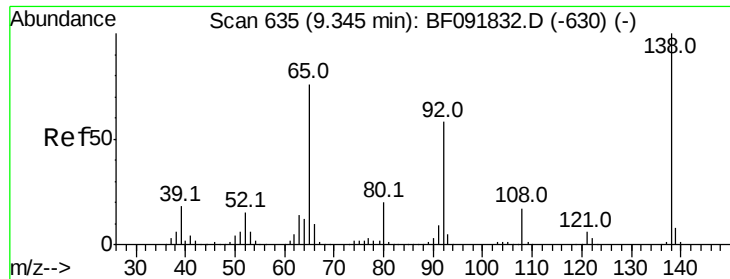
#46
 2-Chloronaphthalene
 Concen: 16.71 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	521025		
127	42.3	30.7	46.1	
164	32.0	27.6	41.4	



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





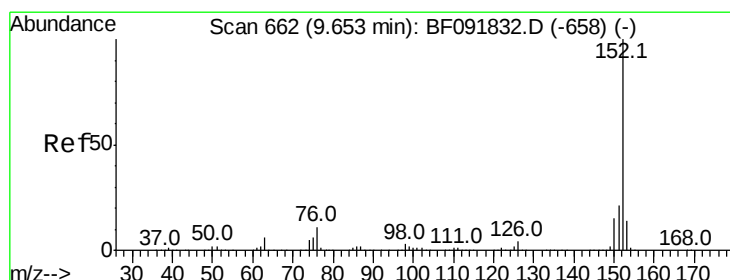
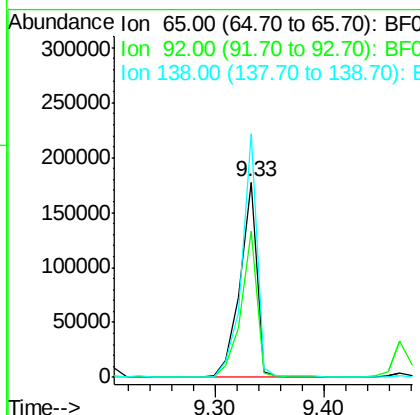
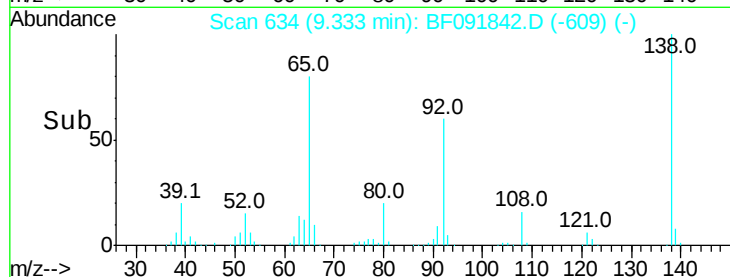
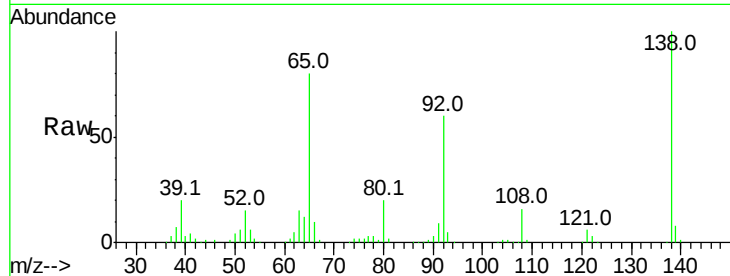
#47
2-Nitroaniline
Concen: 16.96 ng
RT: 9.33 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
65	100		
92	75.1	53.9	80.9
138	124.6	76.8	115.2

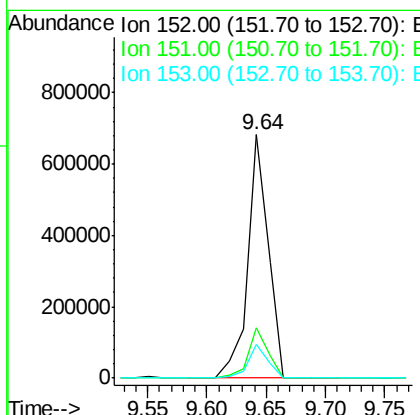
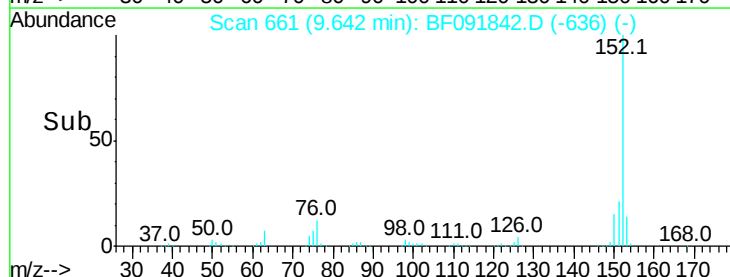
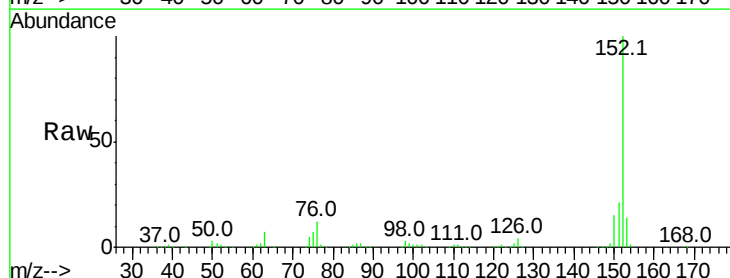
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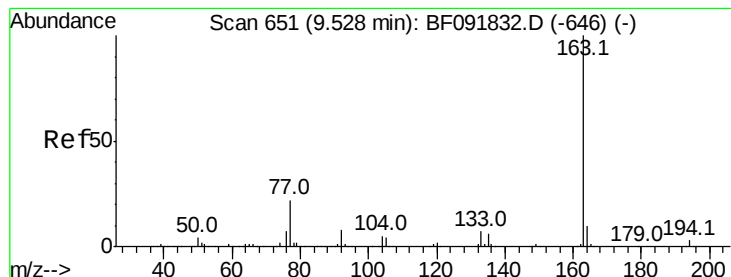
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#48
Acenaphthylene
Concen: 17.11 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.9	25.3
153	13.9	11.4	17.2





#49

Dimethylphthalate

Concen: 17.22 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

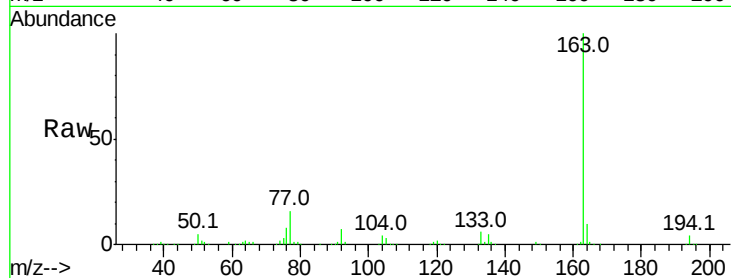
ClientSampleId :

LOQ-SOIL-02-QT1-2017

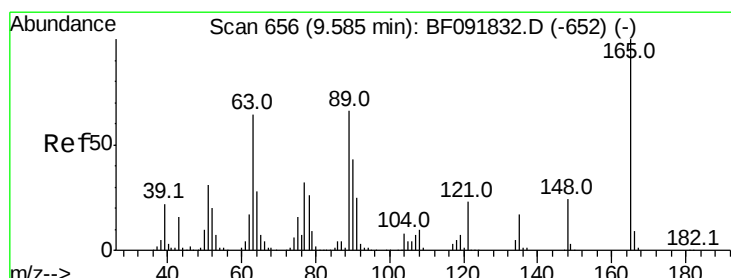
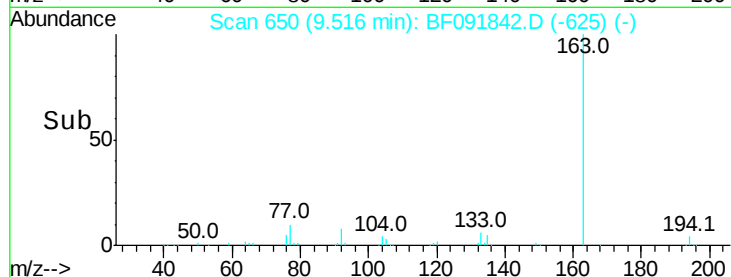
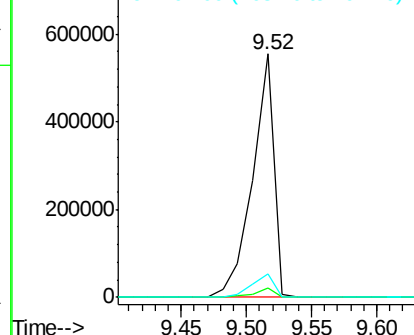
Tot Ion:	163	Resp:	633350
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.4
164	9.7	8.0	12.0

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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: 17.06 ng

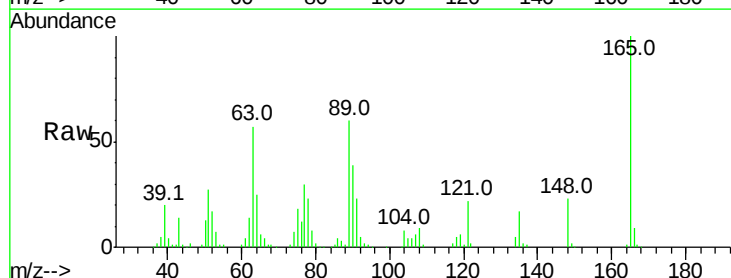
RT: 9.57 min Scan# 655

Delta R.T. -0.01 min

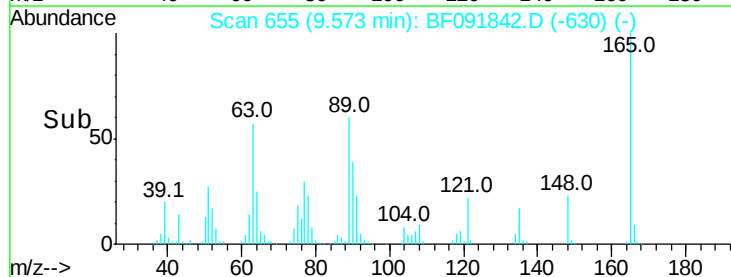
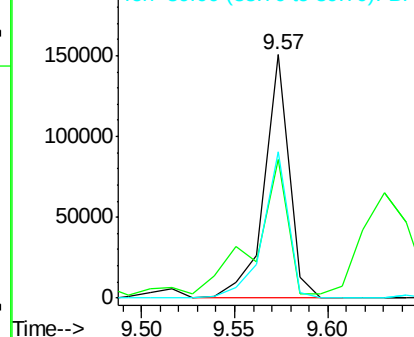
Lab File: BF091842.D

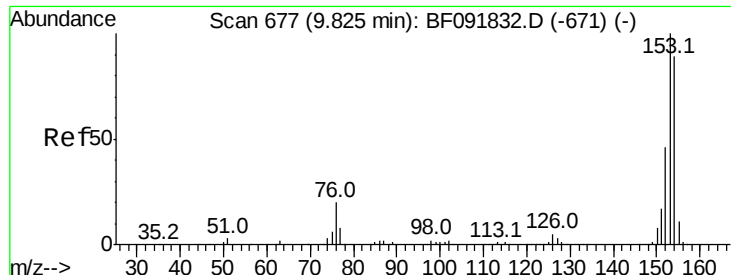
Acq: 21 Dec 2016 19:18

Tgt Ion:	165	Resp:	137352
Ion Ratio	Lower	Upper	
165	100		
63	56.8	36.2	54.4#
89	60.1	40.2	60.4



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: 16.91 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

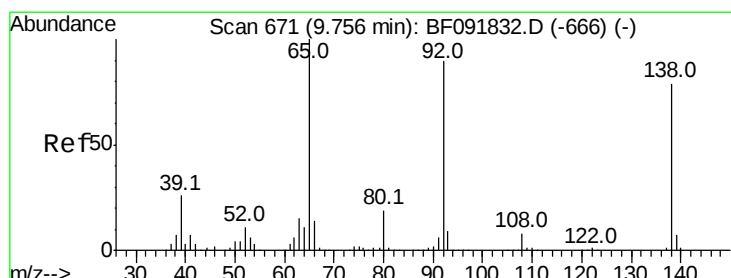
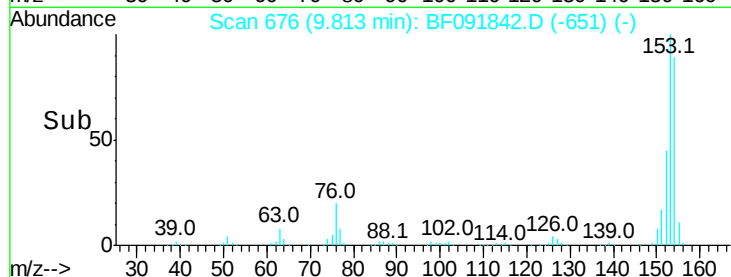
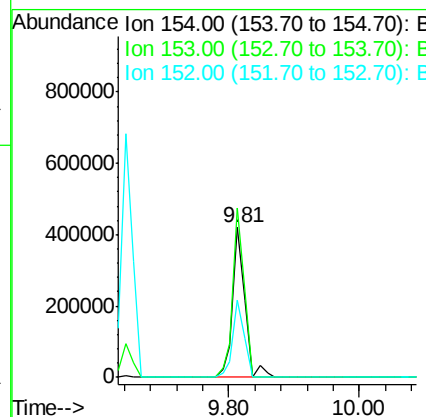
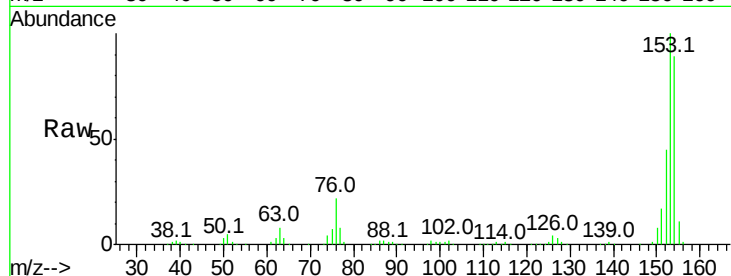
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	154	Resp:	549895
Ion Ratio	Lower	Upper	
154	100		
153	112.8	88.6	133.0
152	51.3	41.6	62.4

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#52

3-Nitroaniline

Concen: 11.70 ng

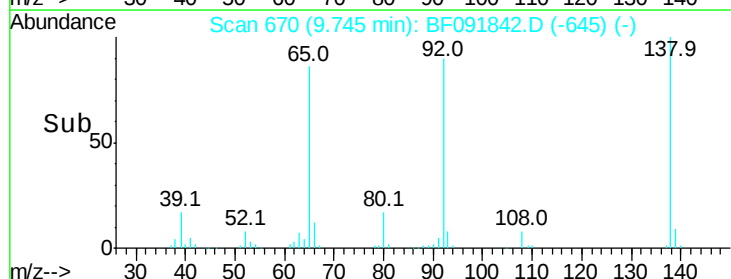
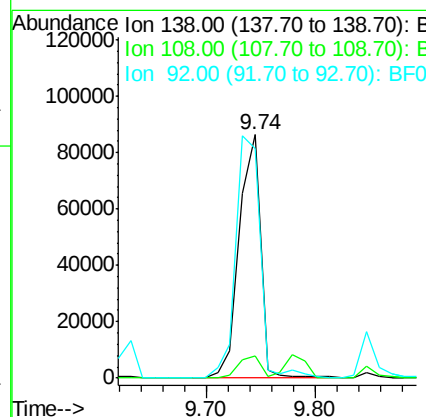
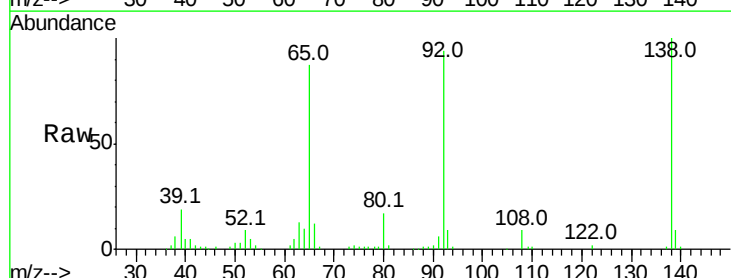
RT: 9.74 min Scan# 670

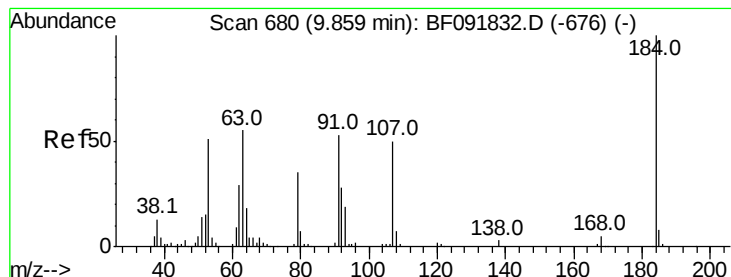
Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	138	Resp:	116529
Ion Ratio	Lower	Upper	
138	100		
108	8.9	8.5	12.7
92	94.4	97.8	146.8#





#53

2,4-Dinitrophenol

Concen: 12.80 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:184 Resp: 57317

Ion Ratio Lower Upper

184 100

63 78.3 28.4 42.6#

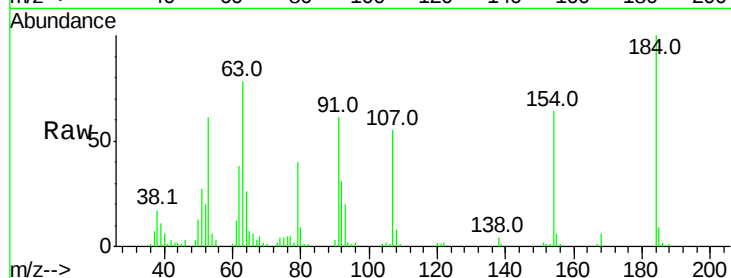
154 64.2 44.3 66.5

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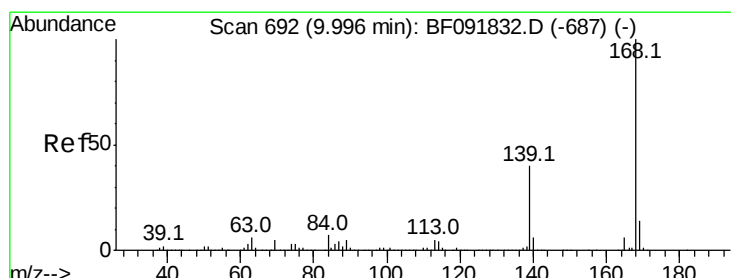
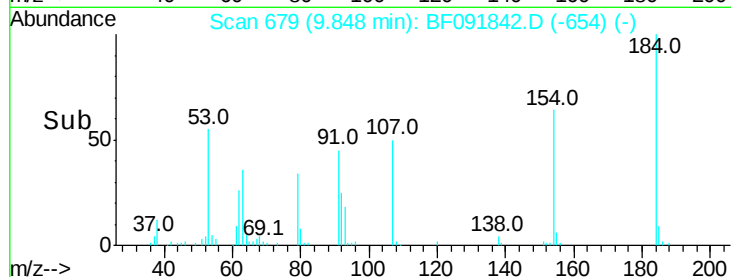
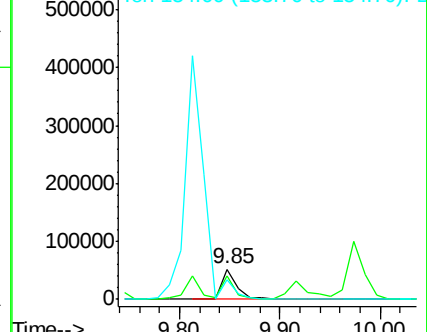
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 16.14 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

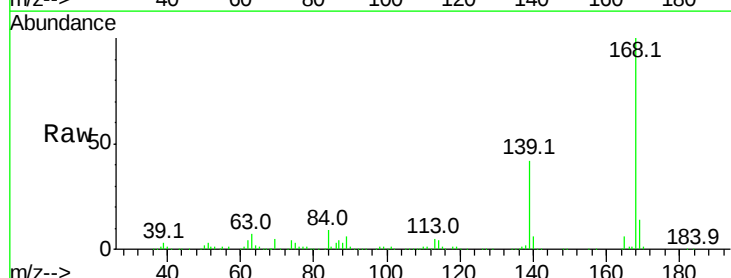
Tgt Ion:168 Resp: 708567

Ion Ratio Lower Upper

168 100

139 41.5 32.6 49.0

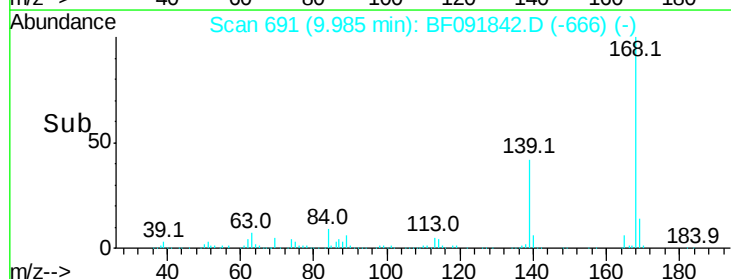
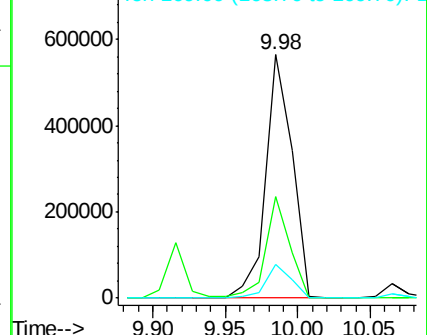
169 14.0 11.3 16.9

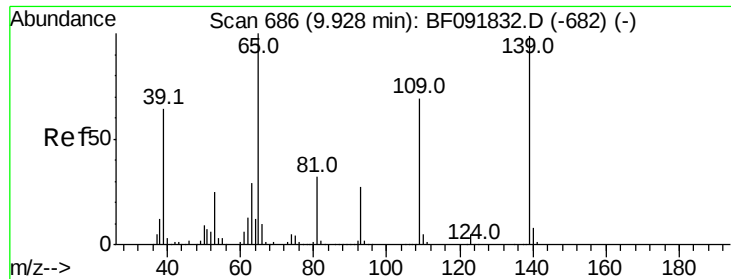


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





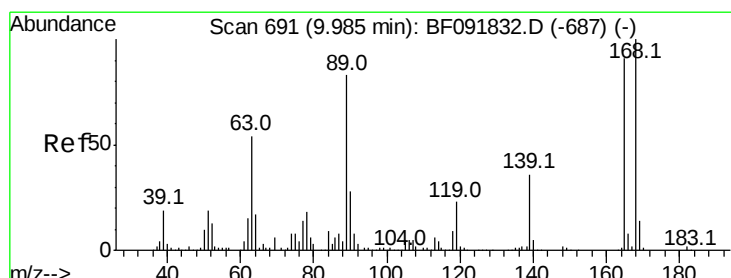
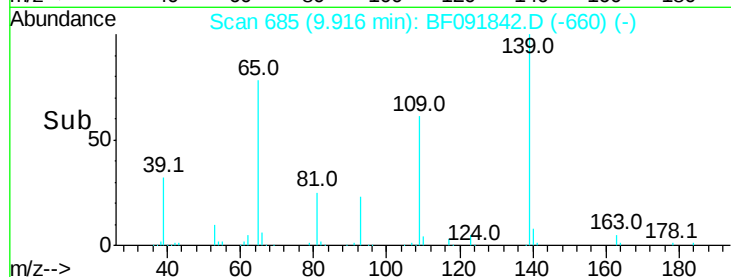
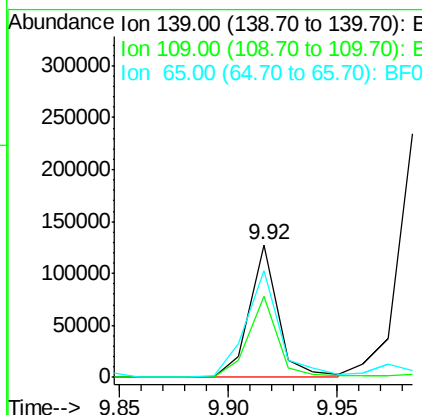
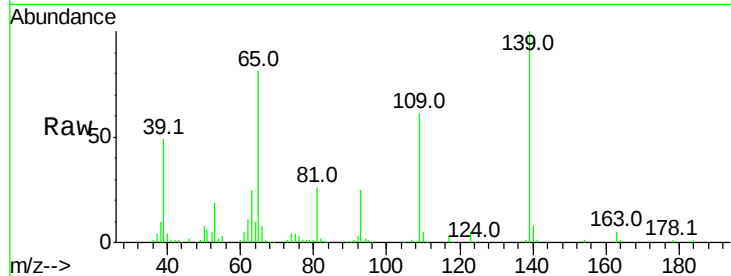
#55
4-Nitrophenol
Concen: 17.42 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	61.1	52.2	92.2	
65	80.9	85.8	125.8	

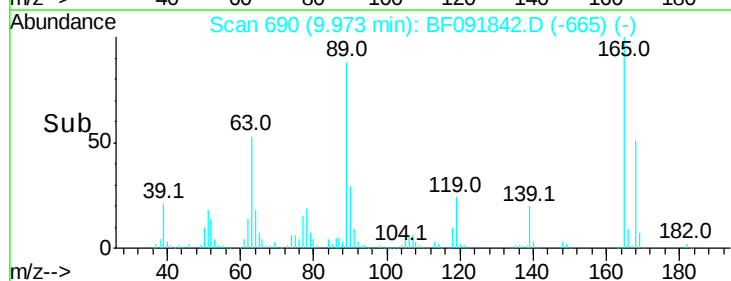
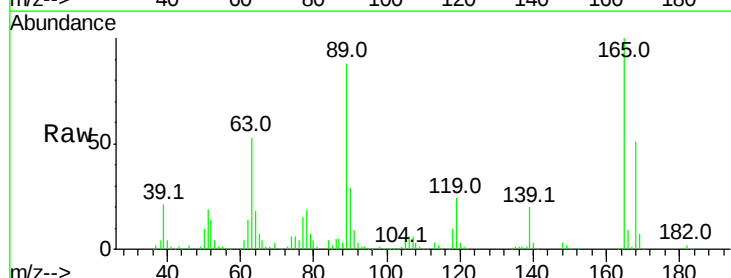
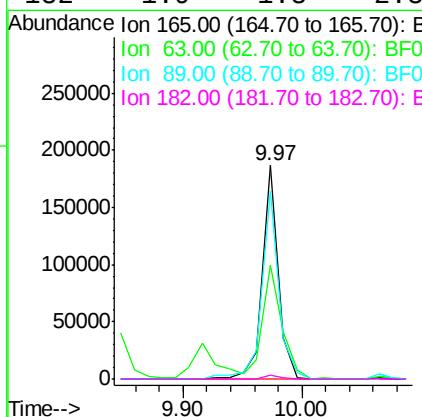
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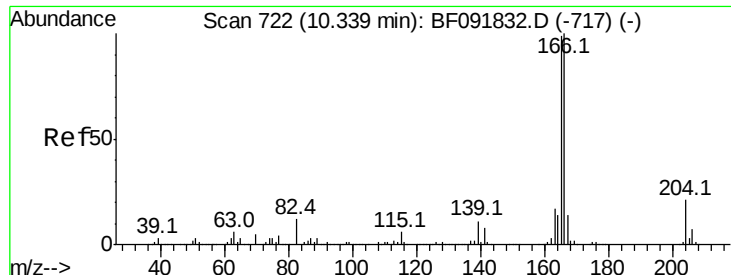
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#56
2,4-Dinitrotoluene
Concen: 17.42 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	53.3	40.2	60.4	
89	88.1	62.5	93.7	
182	1.9	1.8	2.8	





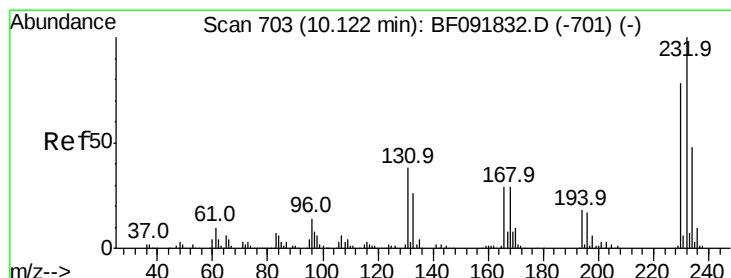
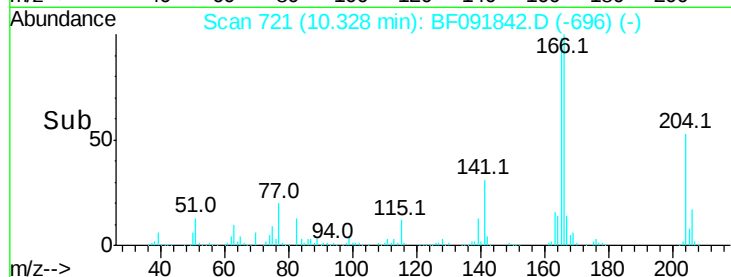
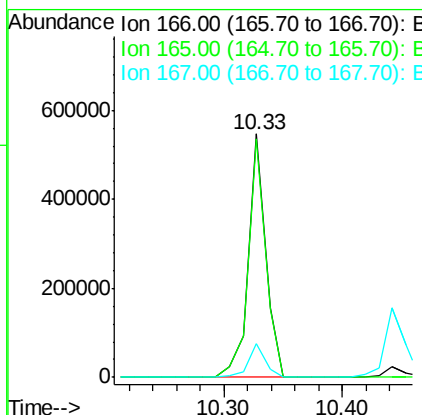
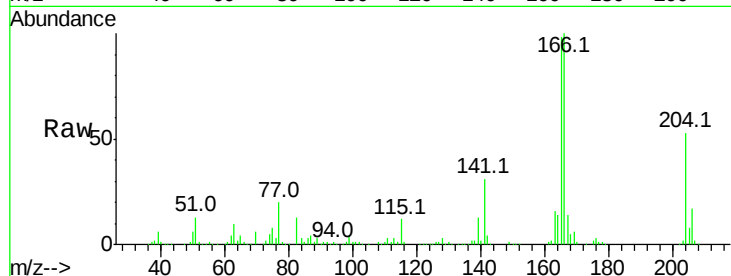
#57
Fluorene
 Concen: 17.72 ng
 RT: 10.33 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
166	100	566139		
165	97.7		77.8	116.8
167	13.8		10.8	16.2

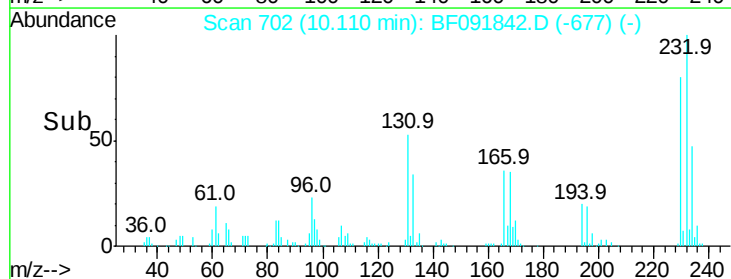
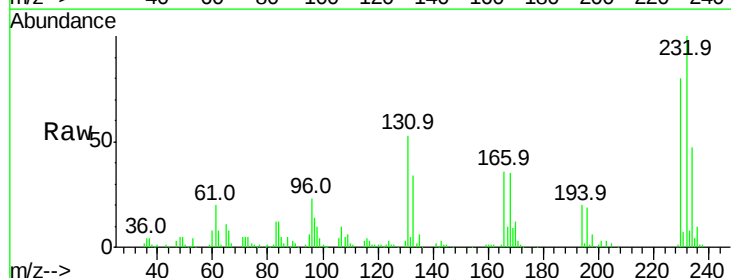
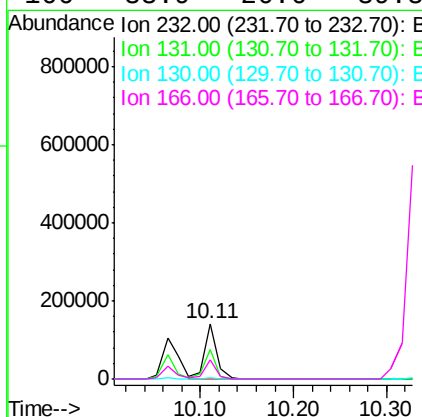
Manual Integrations
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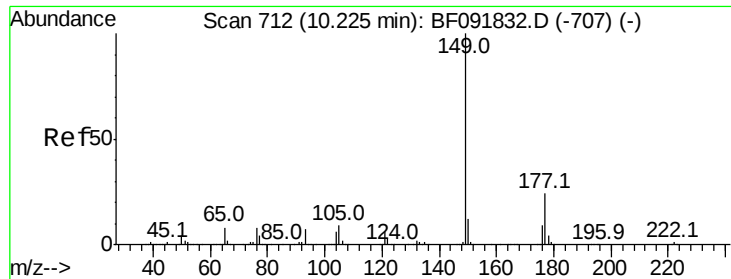
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 16.02 ng
 RT: 10.11 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	132450		
131	51.2		40.1	60.1
130	2.6		1.8	2.8
166	33.9		26.6	39.8





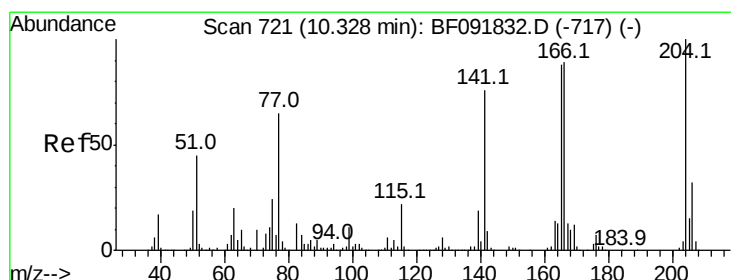
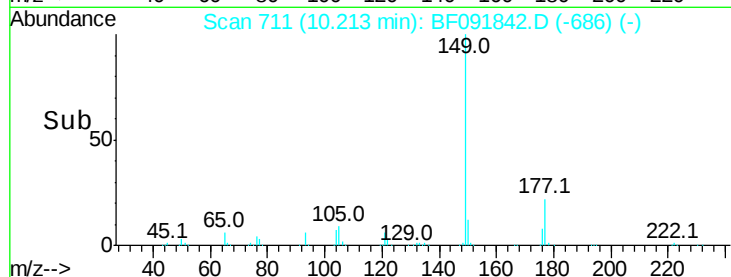
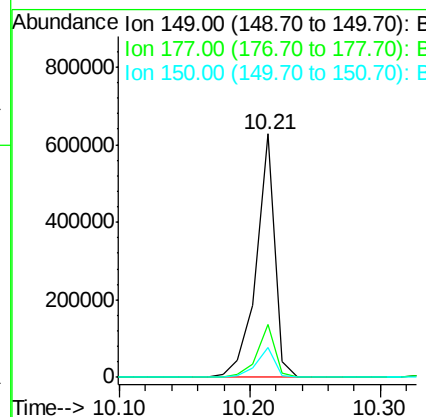
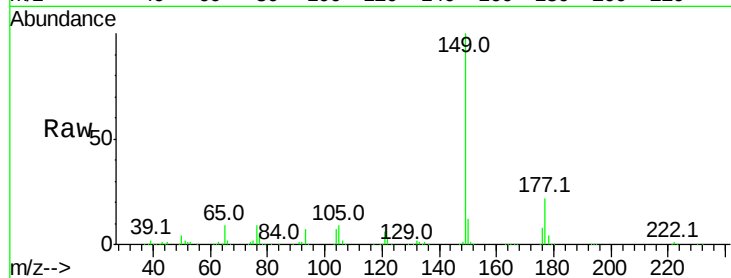
#59
Diethylphthalate
Concen: 17.43 ng
RT: 10.21 min Scan# 711
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.5	16.6	25.0
150	12.3	10.4	15.6

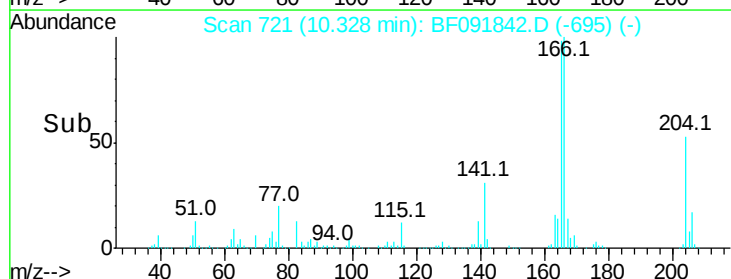
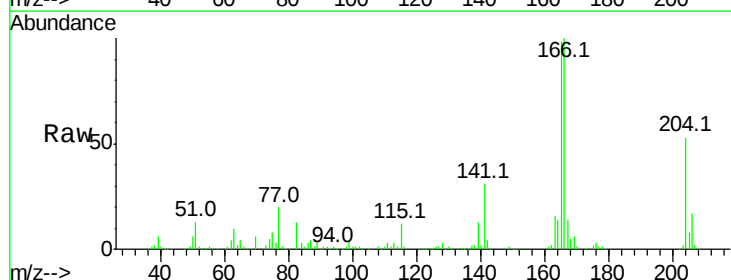
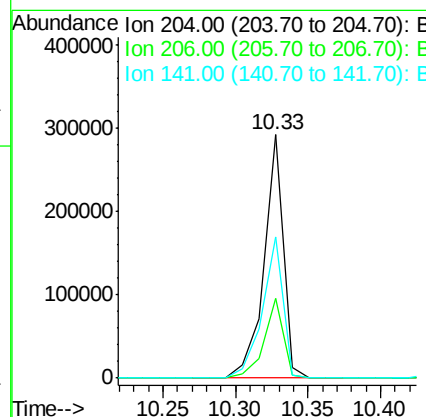
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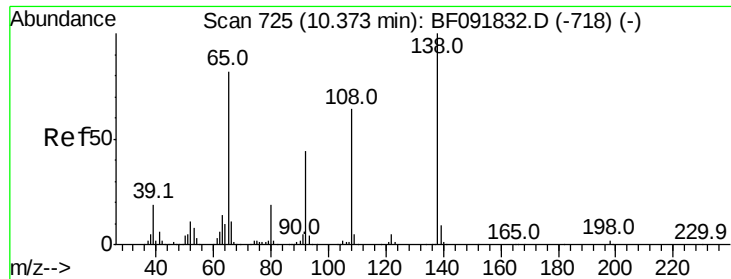
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#60
4-Chlorophenyl-phenylether
Concen: 19.30 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.00 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	58.1	59.4	89.0#





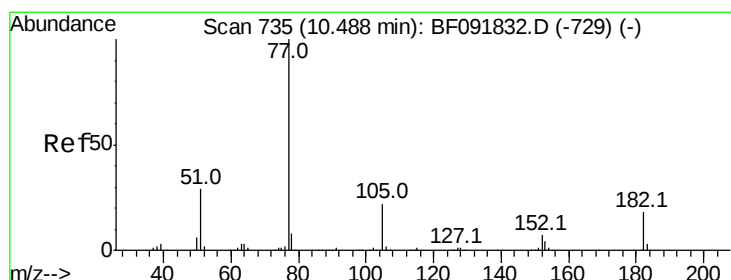
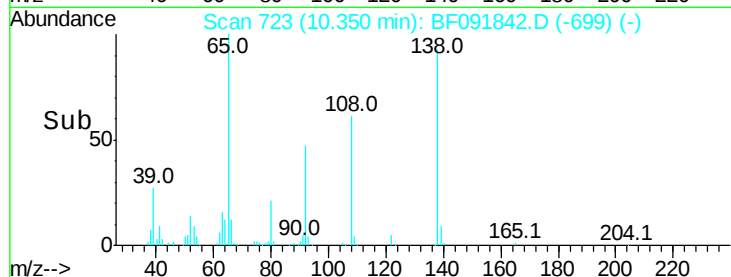
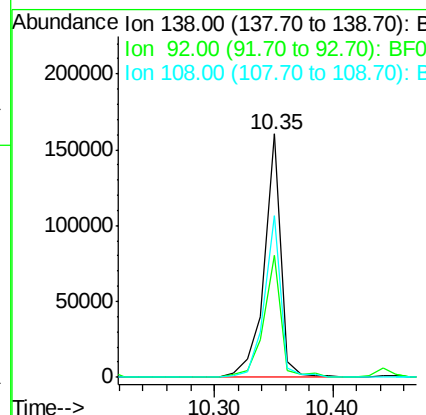
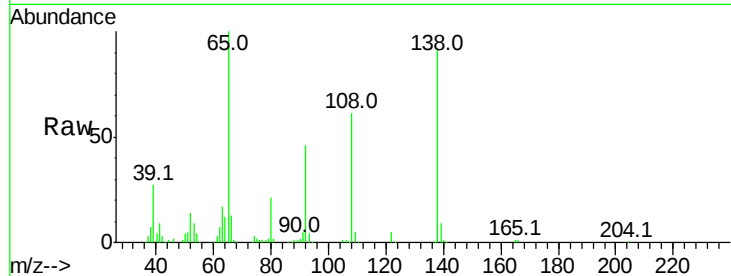
#61
4-Nitroaniline
Concen: 15.42 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
138	100		
92	50.1	31.7	71.7
108	66.4	52.6	92.6

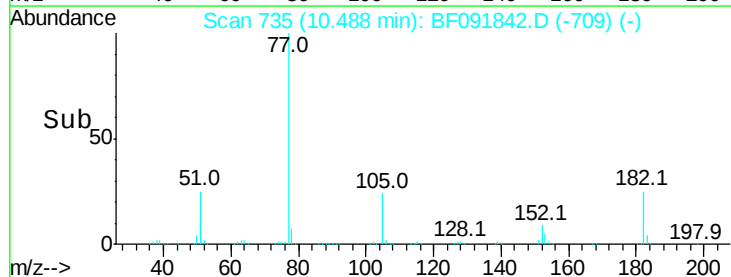
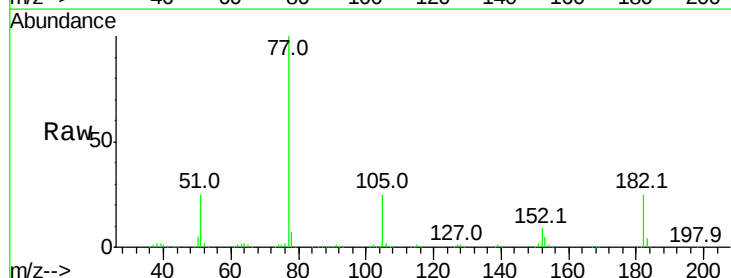
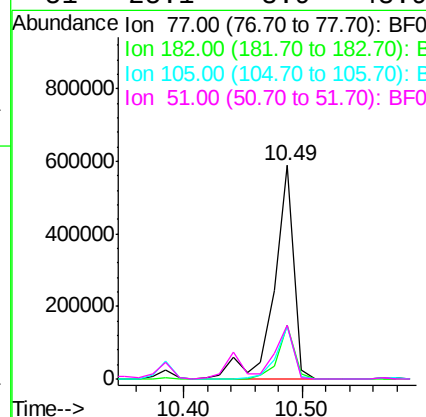
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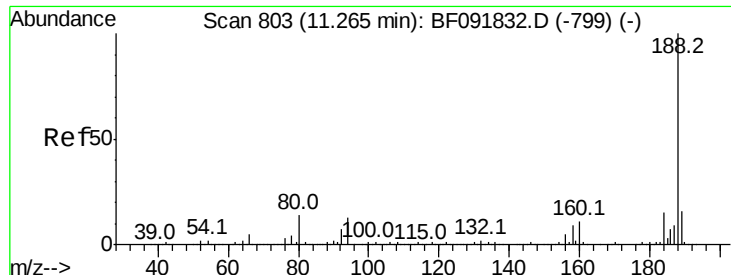
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#62
Azobenzene
Concen: 17.34 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.00 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.0	0.0	39.3
105	24.8	2.3	42.3
51	25.1	8.9	48.9





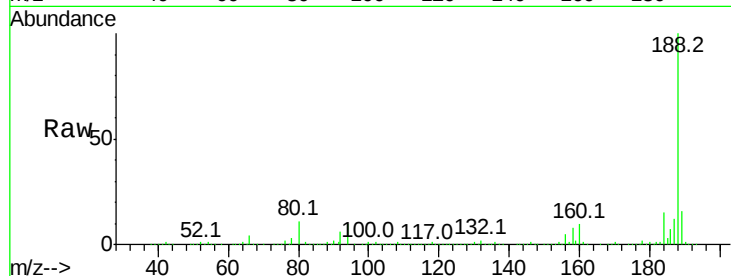
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.0	10.0	15.0#
80	10.9	11.2	16.8#

Manual Integrations
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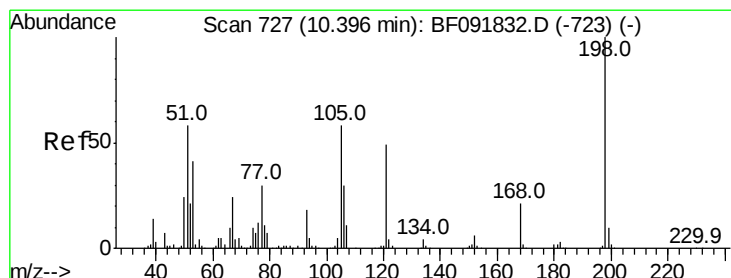
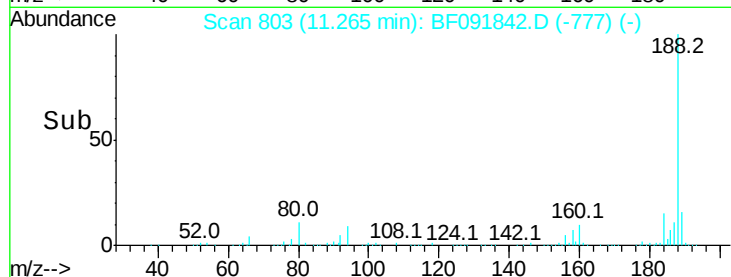
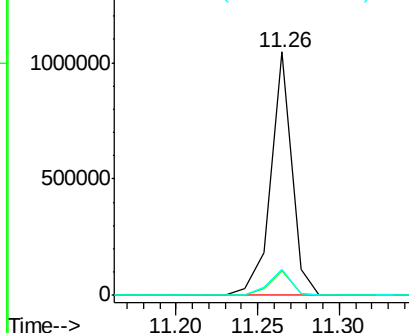
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



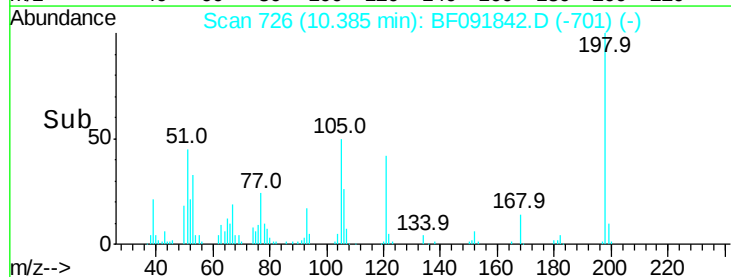
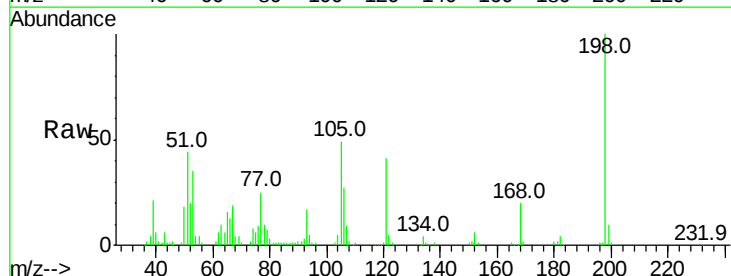
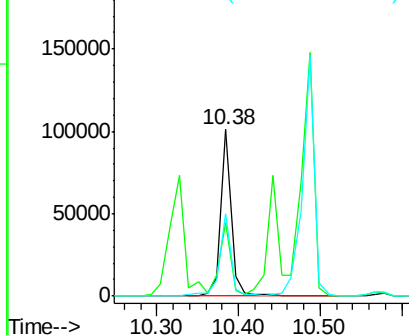
#64
4,6-Dinitro-2-methylphenol
Concen: 15.88 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

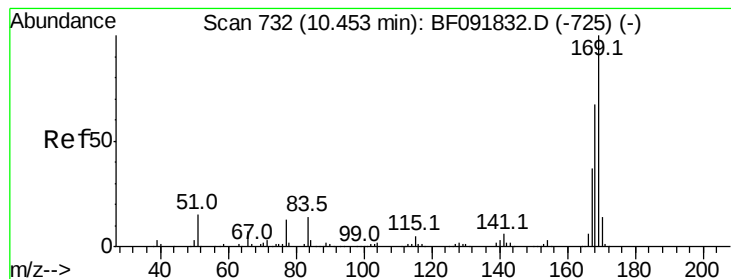
Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	44.1	6.7	46.7
105	49.2	16.6	56.6

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





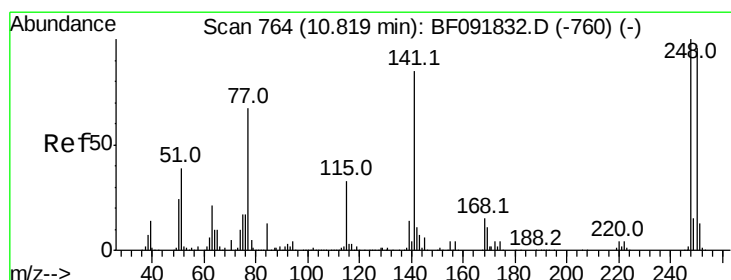
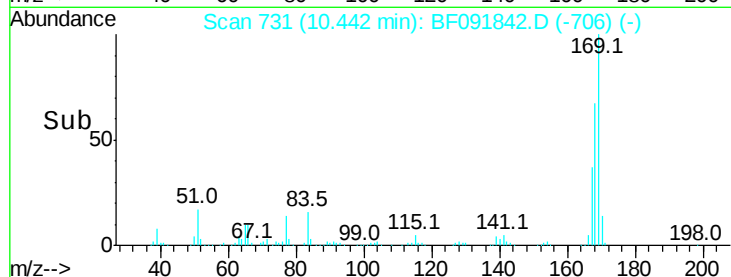
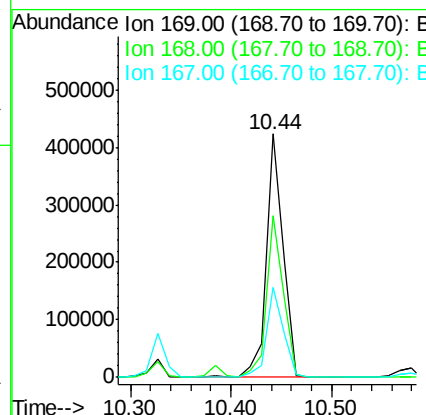
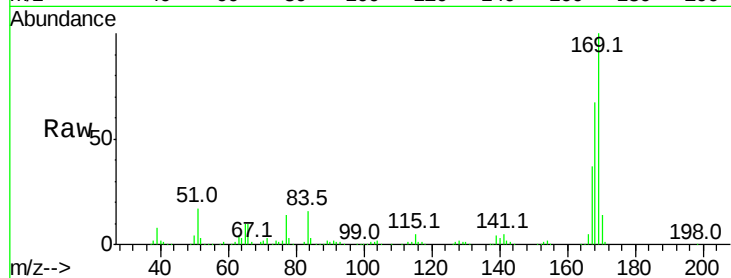
#65
 n-Nitrosodiphenylamine
 Concen: 17.26 ng
 RT: 10.44 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	66.5	54.2	81.2	
167	36.9	30.2	45.4	

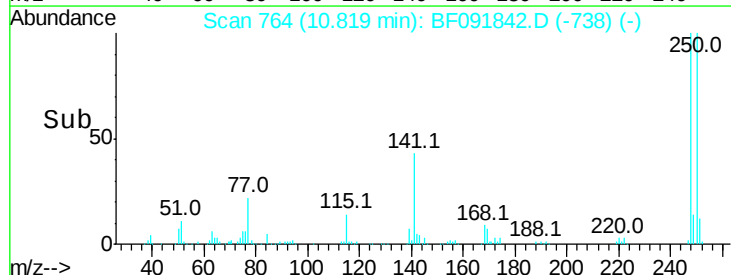
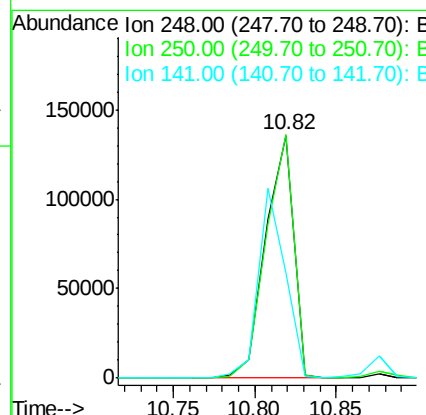
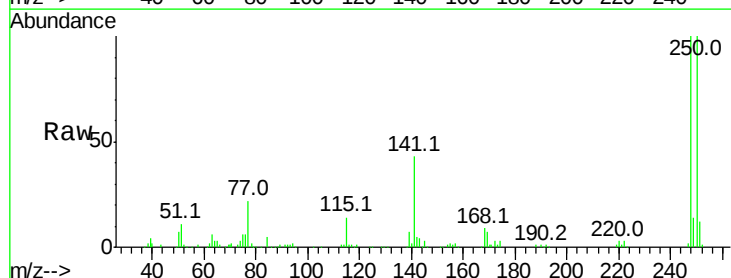
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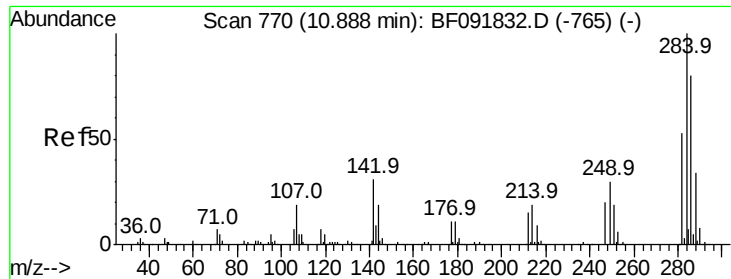
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#66
 4-Bromophenyl-phenylether
 Concen: 16.64 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	100.3	76.9	115.3	
141	43.6	68.2	102.4	





#67

Hexachlorobenzene

Concen: 15.83 ng

RT: 10.88 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

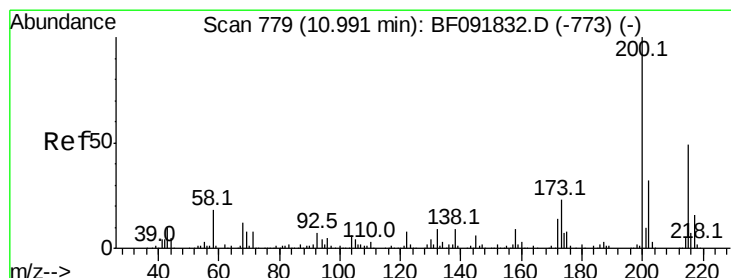
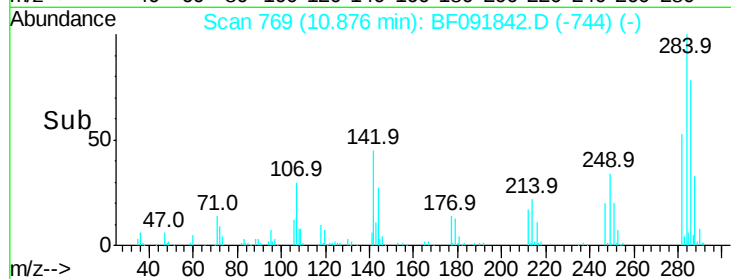
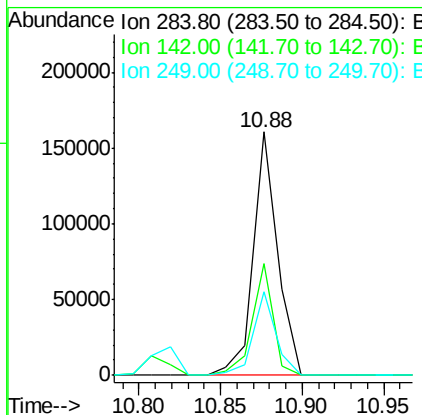
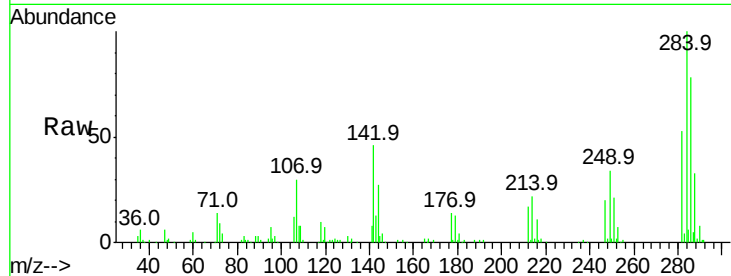
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	284	Resp:	166570
Ion Ratio	Lower	Upper	
284	100		
142	45.7	22.6	33.8#
249	34.4	25.4	38.0

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#68

Atrazine

Concen: 12.20 ng

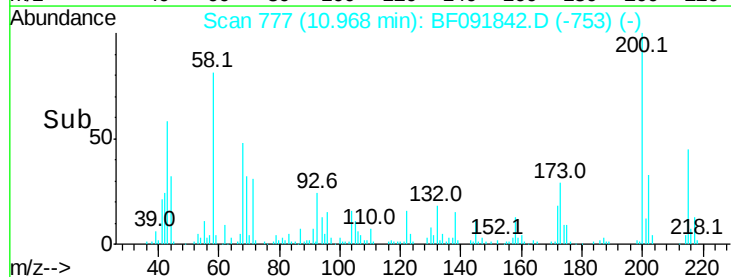
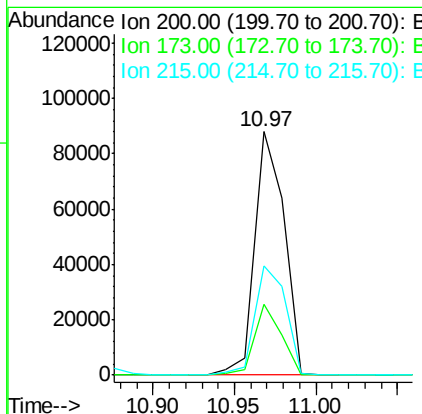
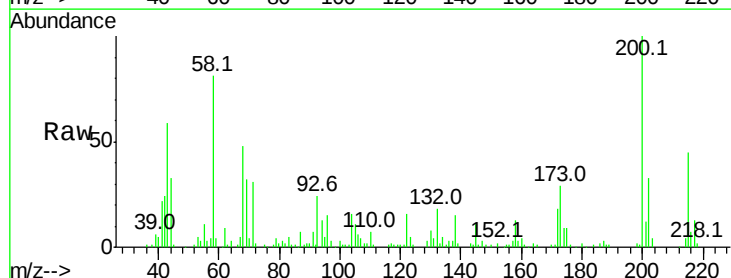
RT: 10.97 min Scan# 777

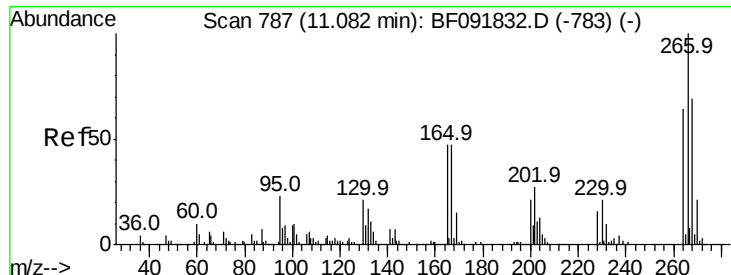
Delta R.T. -0.02 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	200	Resp:	110517
Ion Ratio	Lower	Upper	
200	100		
173	29.1	9.6	49.6
215	44.7	25.7	65.7





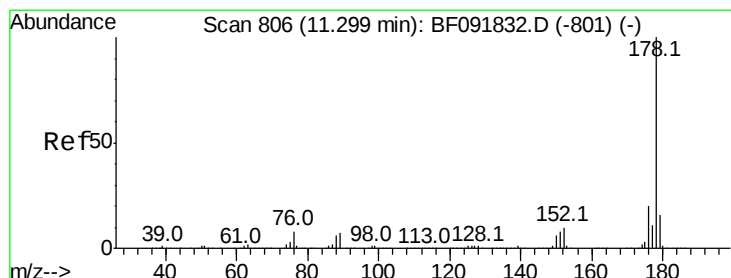
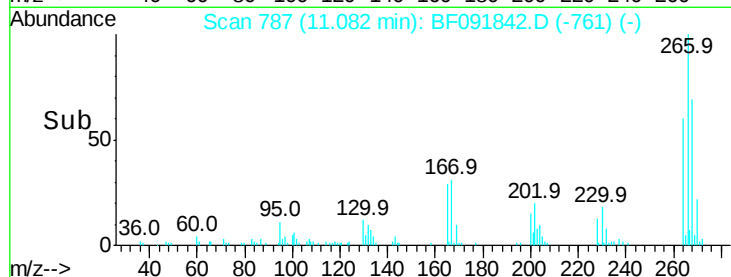
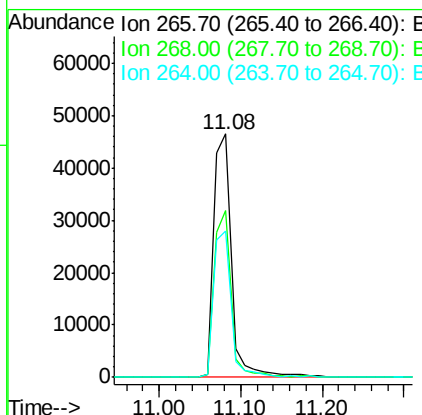
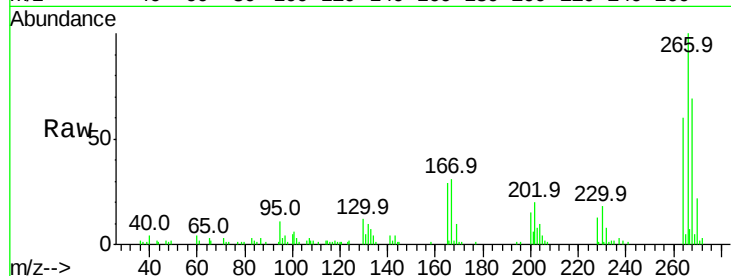
#69
 Pentachlorophenol
 Concen: 13.76 ng
 RT: 11.08 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
266	100		
268	68.7	53.3	79.9
264	60.0	50.3	75.5

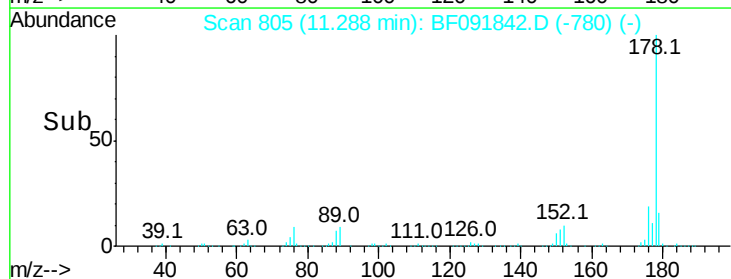
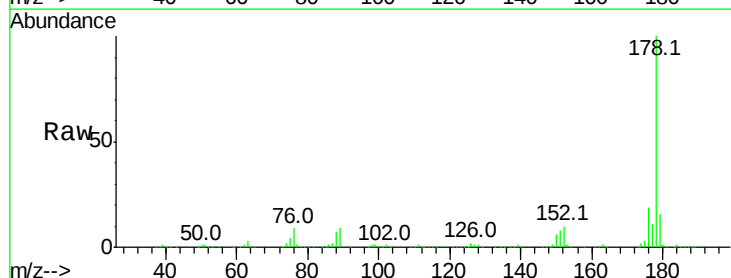
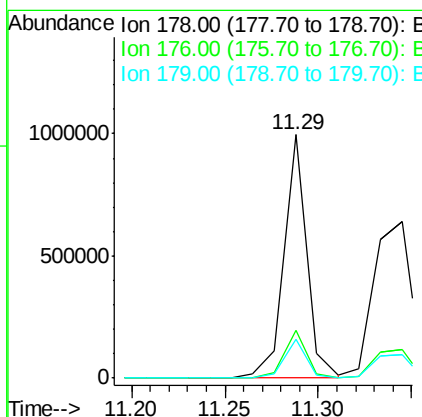
Manual Integrations
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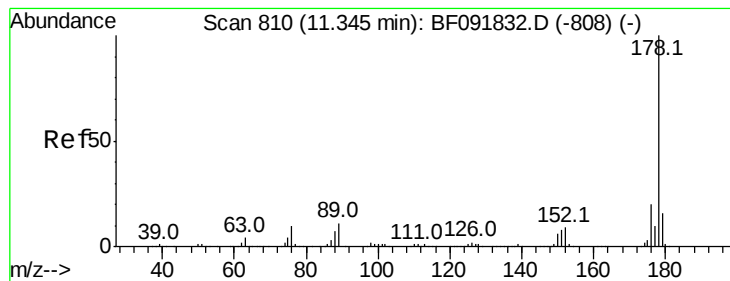
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#70
 Phenanthrene
 Concen: 16.66 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	25.0
179	16.0	12.8	19.2





#71

Anthracene

Concen: 15.28 ng

RT: 11.34 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

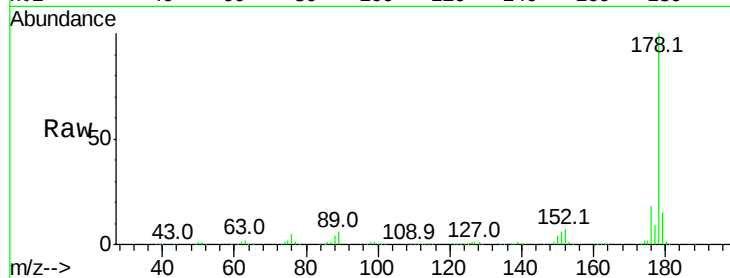
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.9	23.9
179	15.1	13.2	19.8

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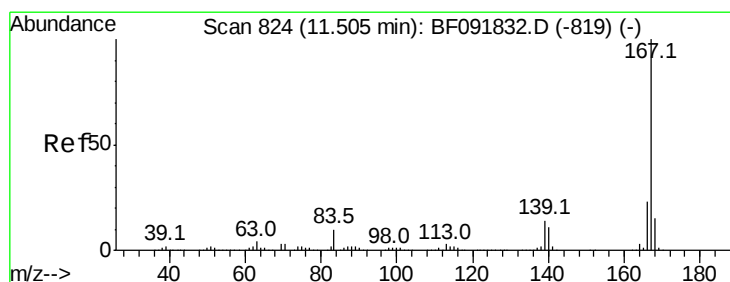
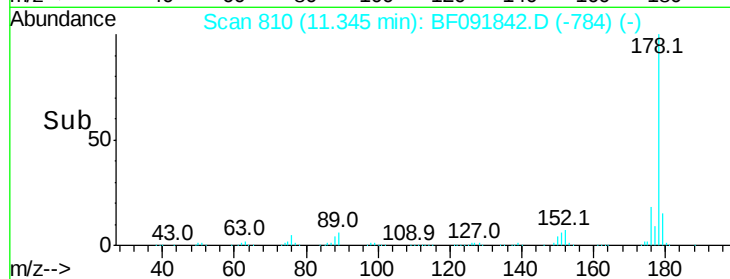
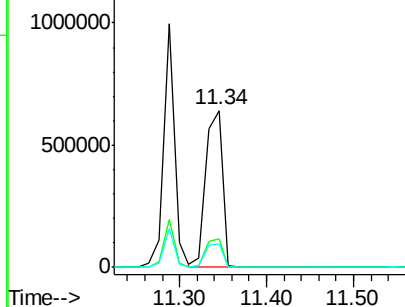
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 13.73 ng

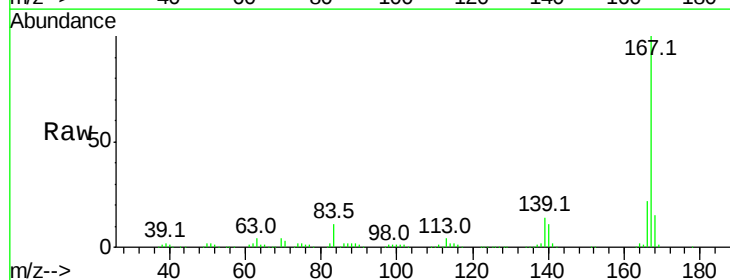
RT: 11.49 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

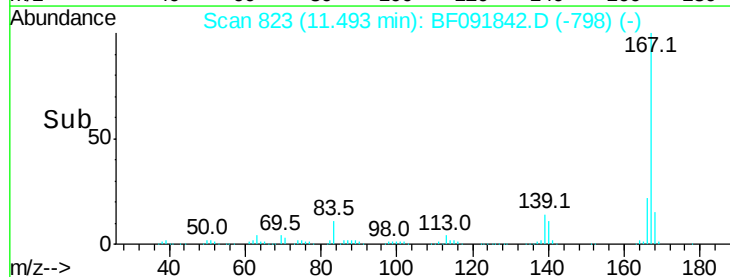
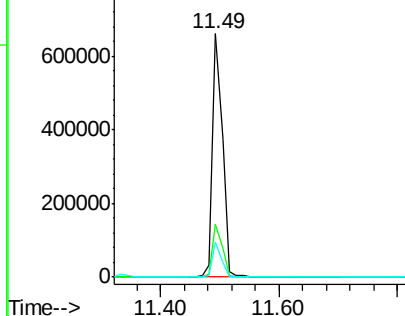
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.2	27.2
139	14.4	11.4	17.2

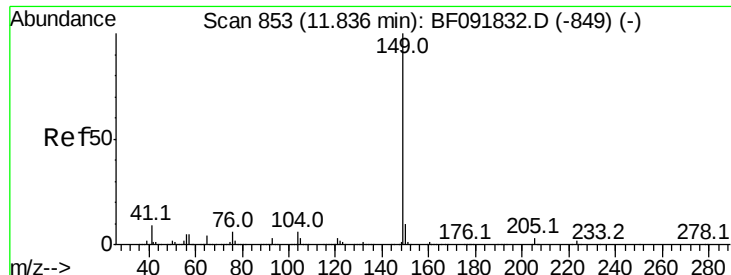


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 17.77 ng

RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

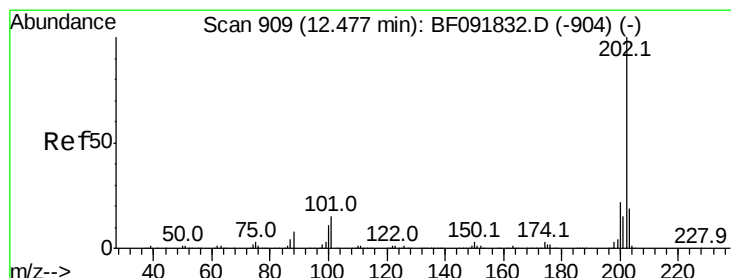
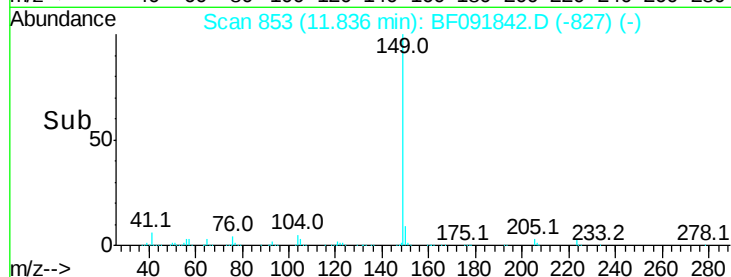
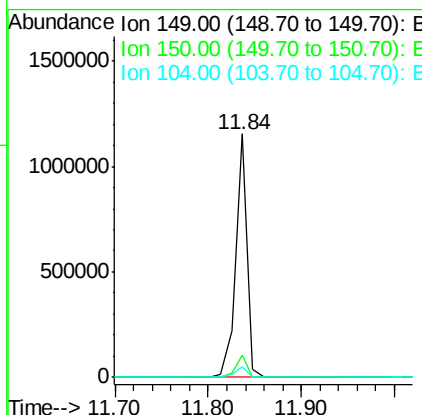
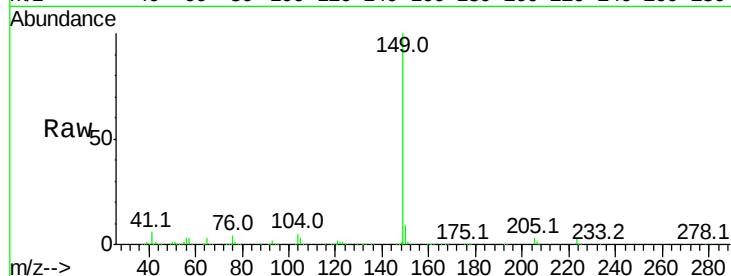
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	149	Resp:	984894
Ion Ratio	Lower	Upper	
149	100		
150	9.4	8.1	12.1
104	4.6	4.6	7.0#

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#74

Fluoranthene

Concen: 17.19 ng

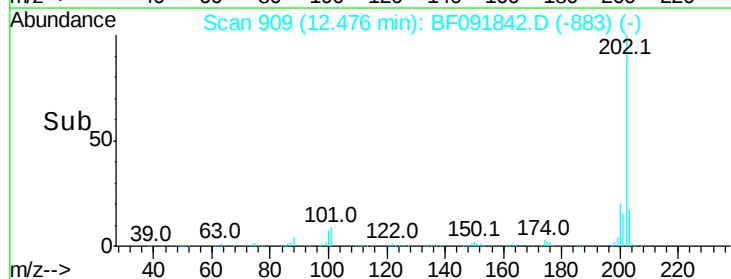
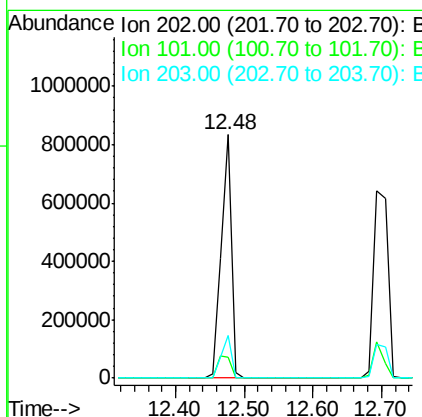
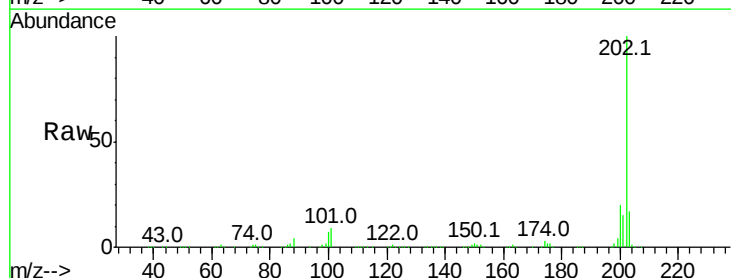
RT: 12.48 min Scan# 909

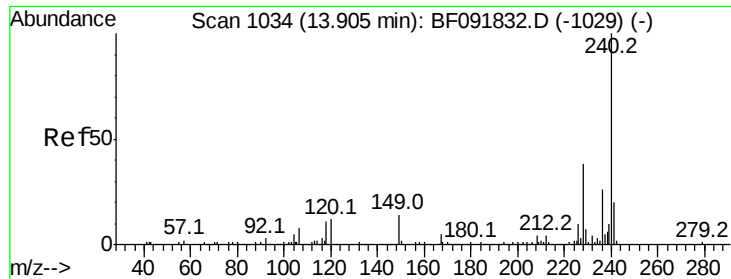
Delta R.T. 0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	202	Resp:	880689
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	34.6
203	17.5	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

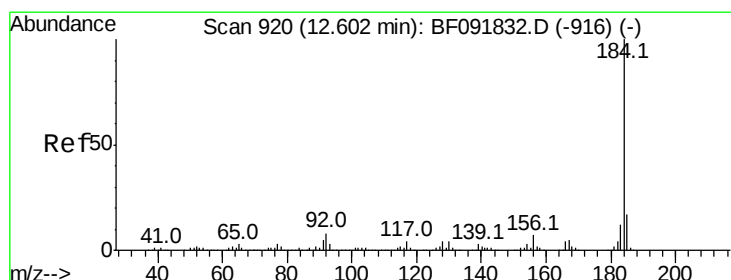
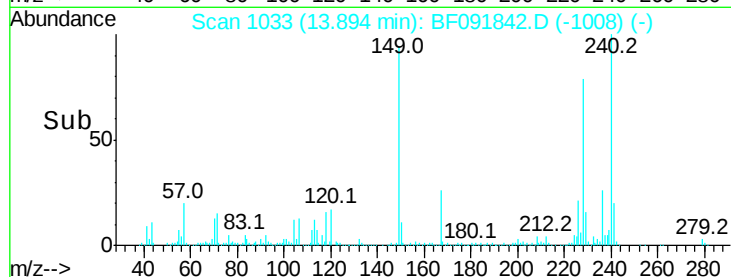
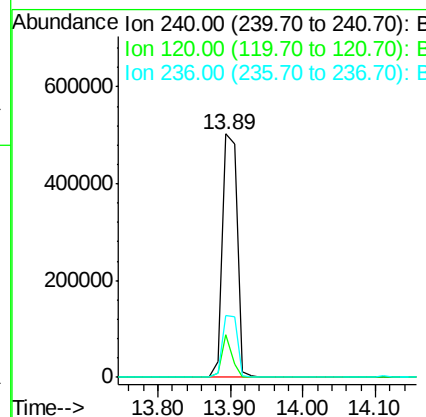
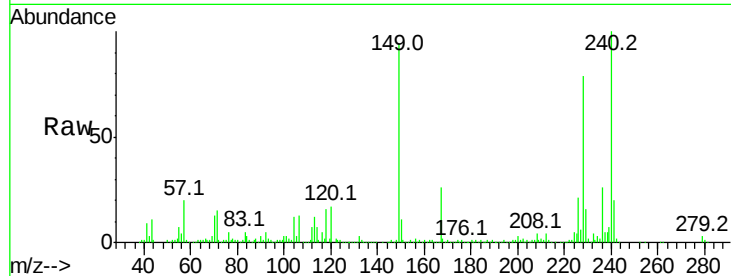
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	240	Resp:	713412
Ion Ratio	Lower	Upper	
240	100		
120	17.4	12.9	19.3
236	25.6	20.9	31.3

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#76

Benzidine

Concen: 10.91 ng

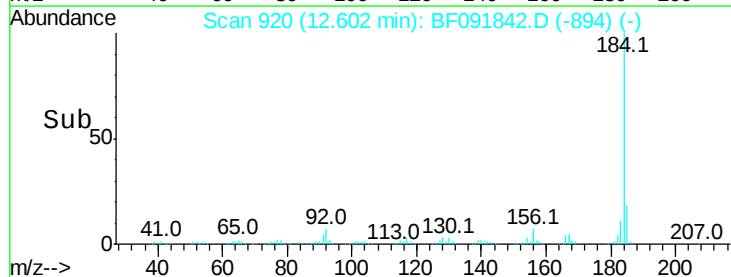
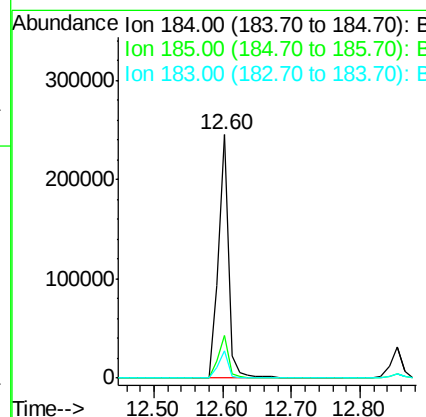
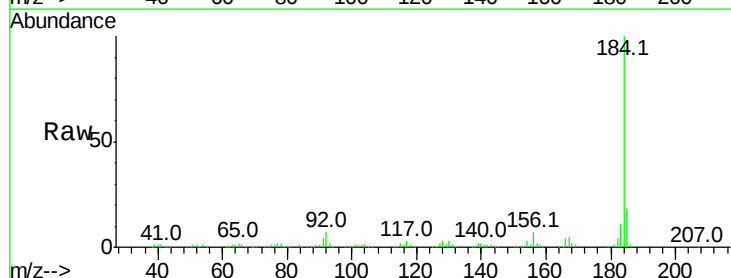
RT: 12.60 min Scan# 920

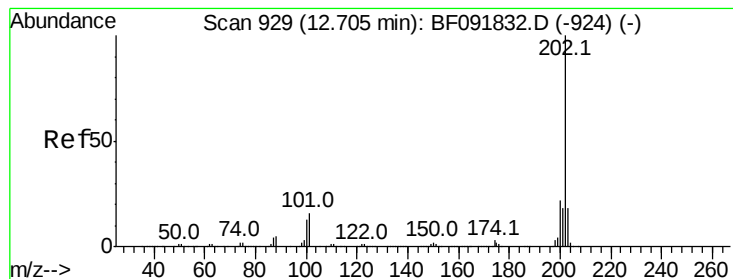
Delta R.T. 0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	184	Resp:	262025
Ion Ratio	Lower	Upper	
184	100		
185	17.7	13.4	20.0
183	11.4	9.2	13.8





#77

Pvrene

Concen: 17.07 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

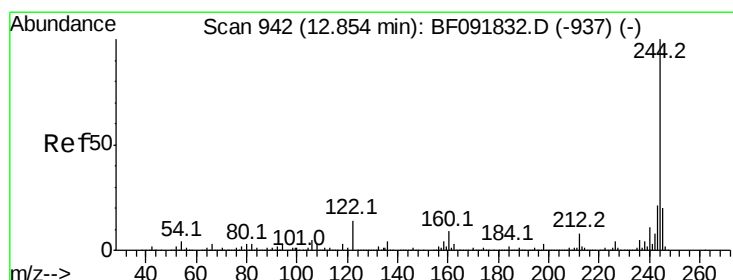
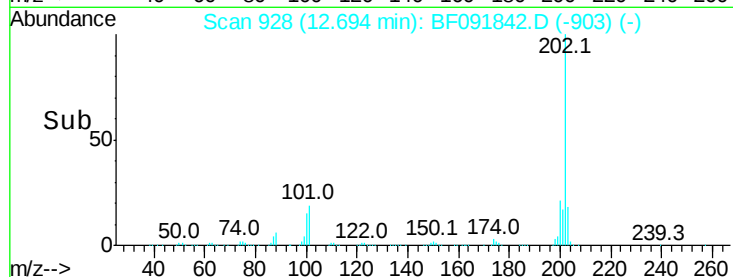
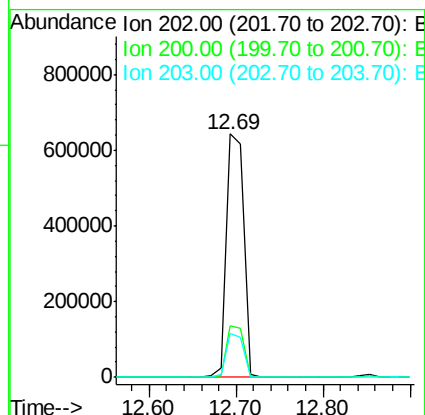
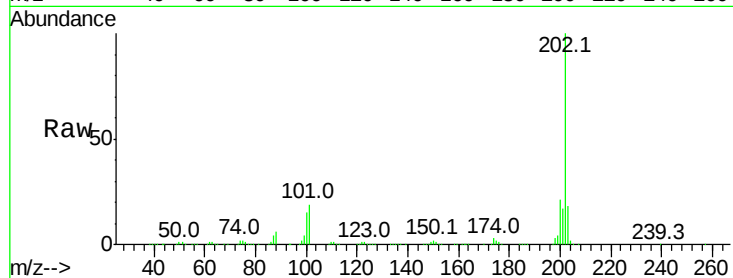
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	202	Resp:	893292
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	17.8	14.7	22.1

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#78

Terphenyl-d14

Concen: 87.91 ng

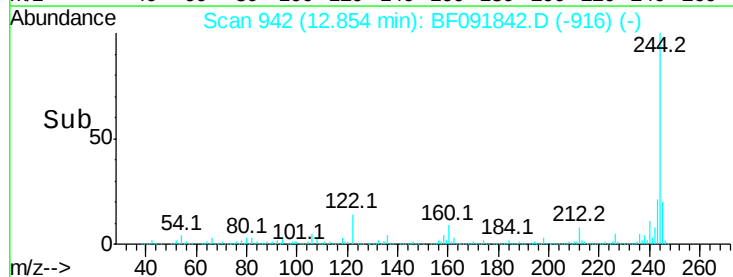
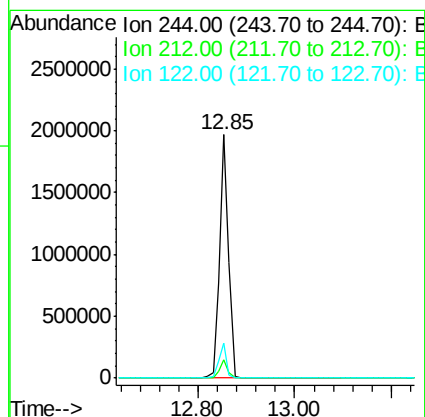
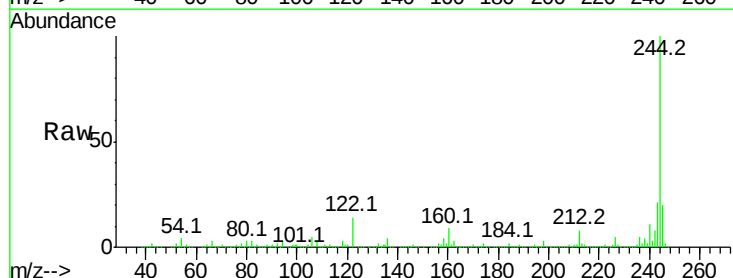
RT: 12.85 min Scan# 942

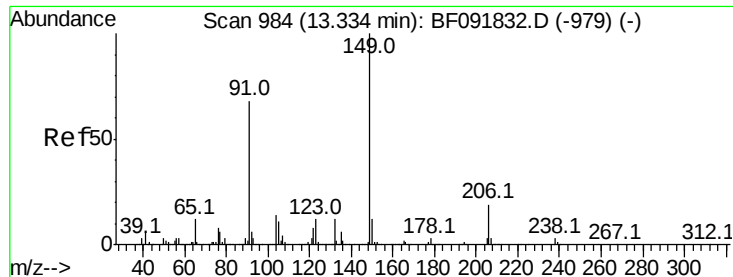
Delta R.T. -0.00 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	244	Resp:	2585913
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	14.5	11.4	17.2





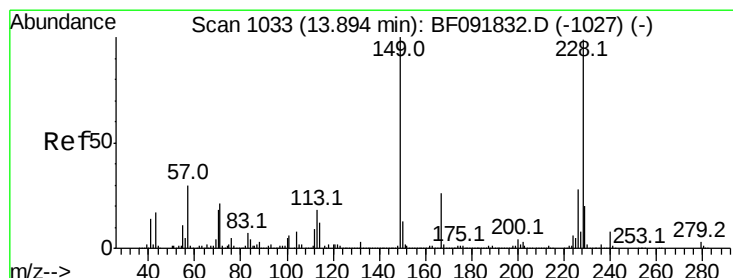
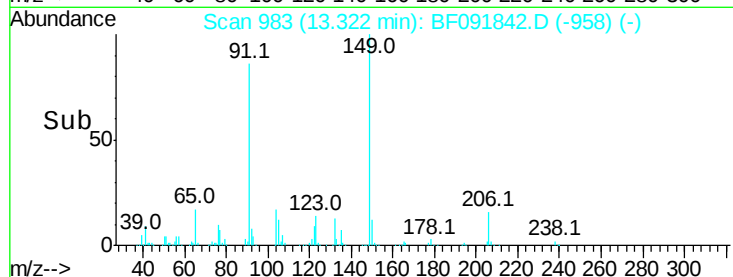
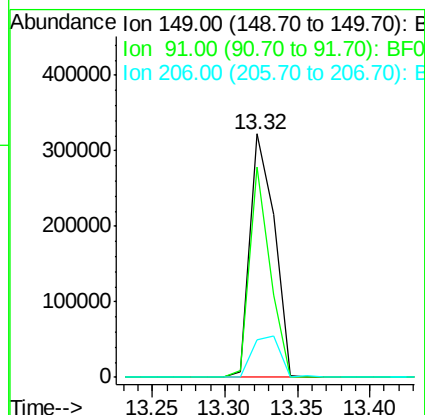
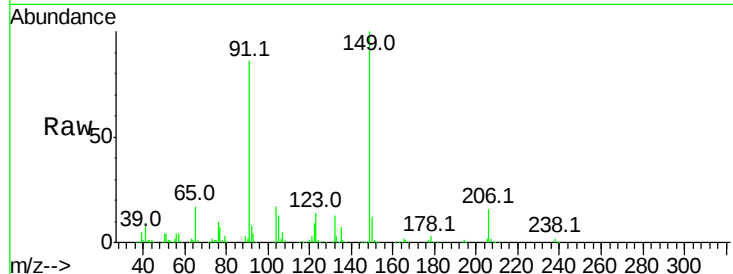
#79
Butylbenzylphthalate
Concen: 15.84 ng
RT: 13.32 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
149	100	377106		
91	86.4	63.9	95.9	
206	15.6	14.6	21.8	

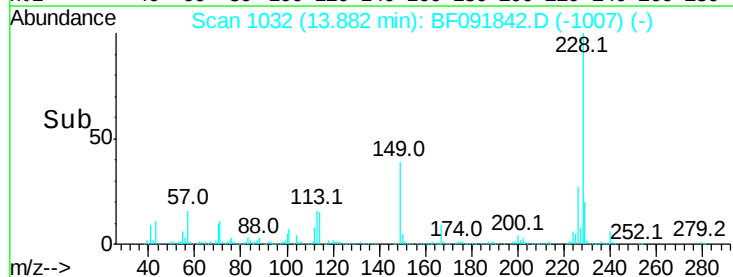
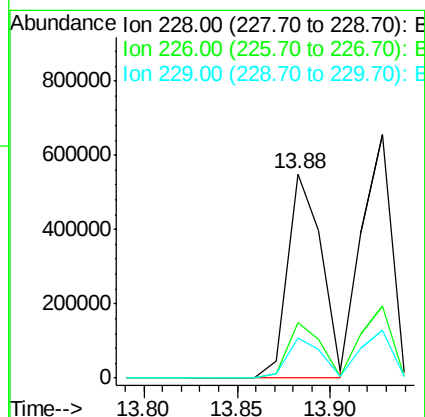
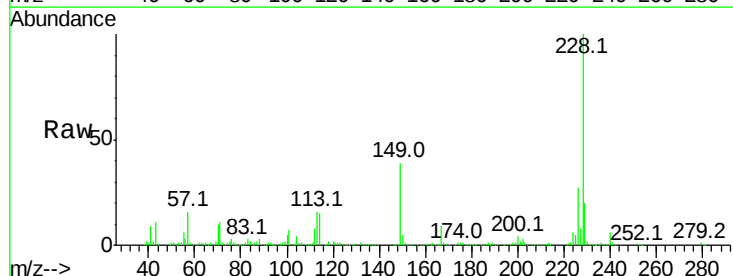
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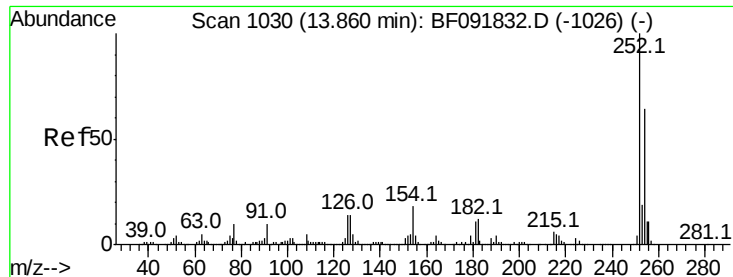
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#80
Benzo(a)anthracene
Concen: 17.21 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	693184		
226	27.2	22.4	33.6	
229	19.9	16.2	24.4	





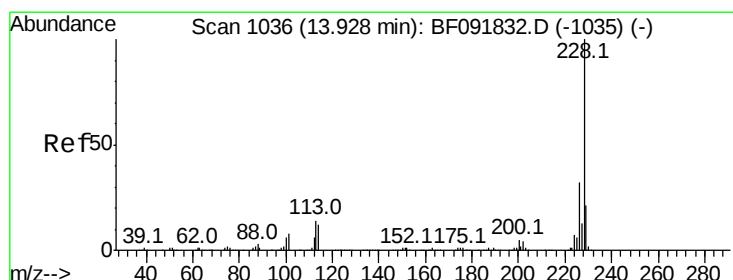
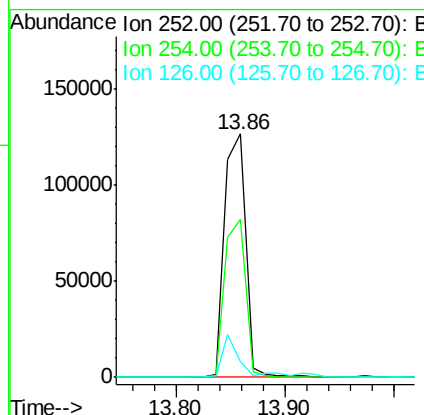
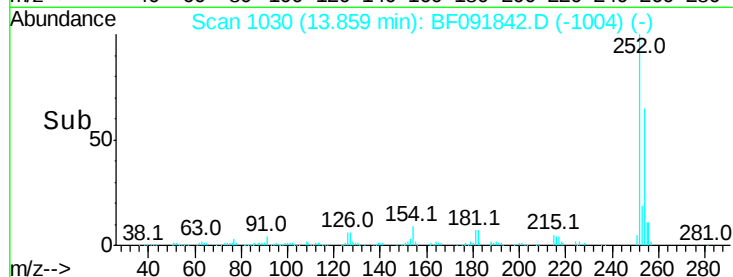
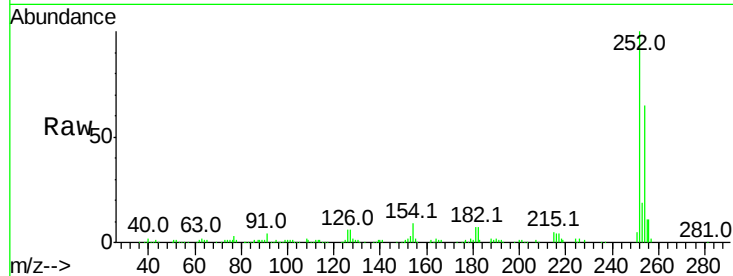
#81
 3,3'-Dichlorobenzidine
 Concen: 11.28 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.6	52.3	78.5
126	6.2	13.6	20.4

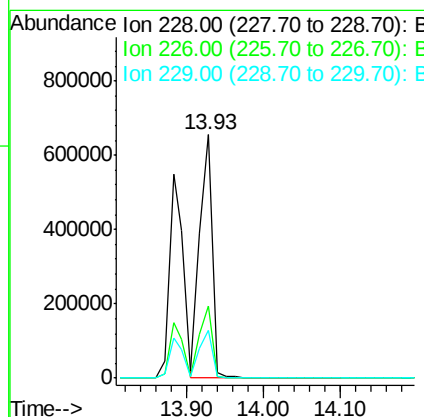
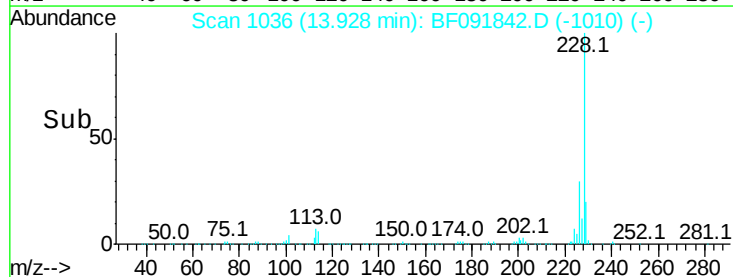
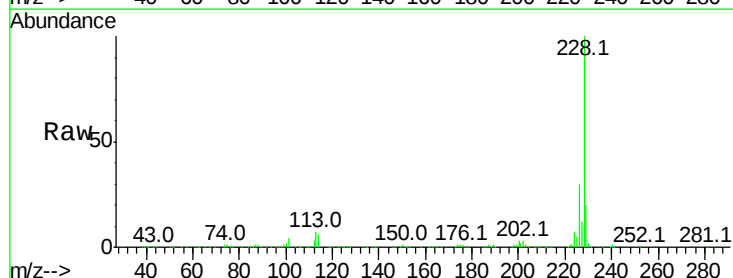
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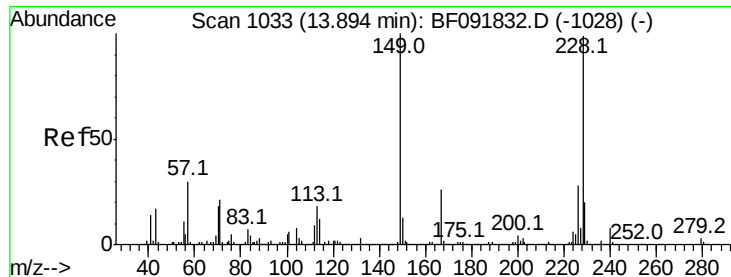
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#82
 Chrysene
 Concen: 18.27 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.4	38.0
229	19.5	16.2	24.2





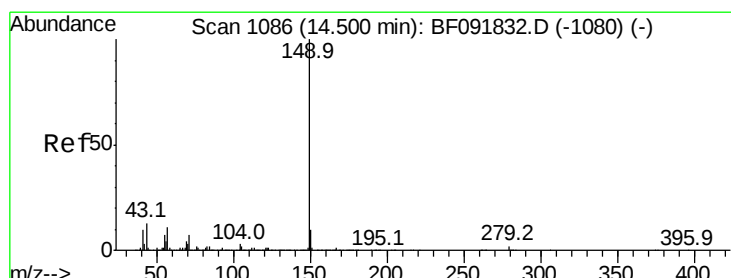
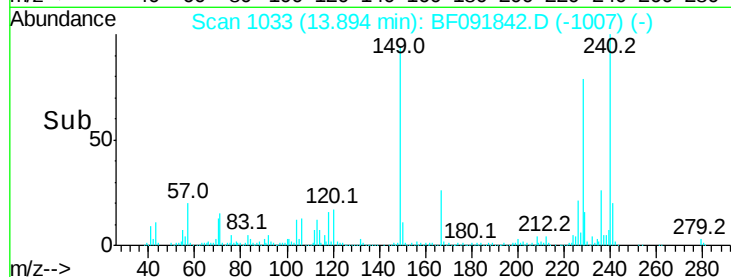
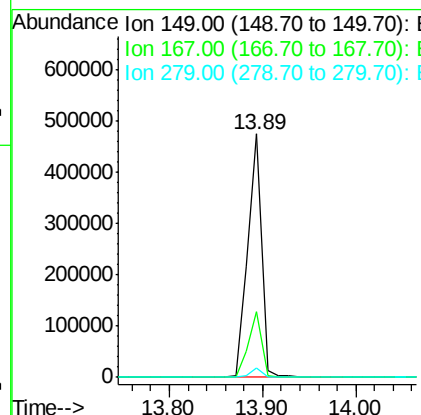
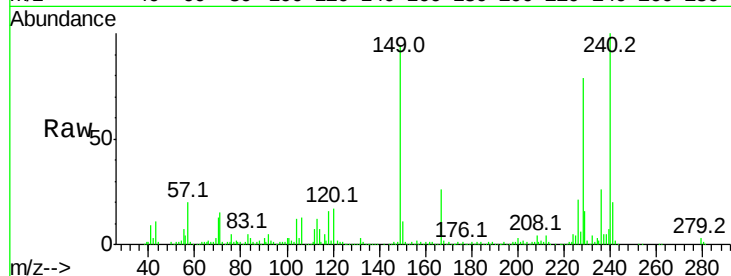
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 17.48 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.2	20.2	30.4
279	3.7	1.8	2.8

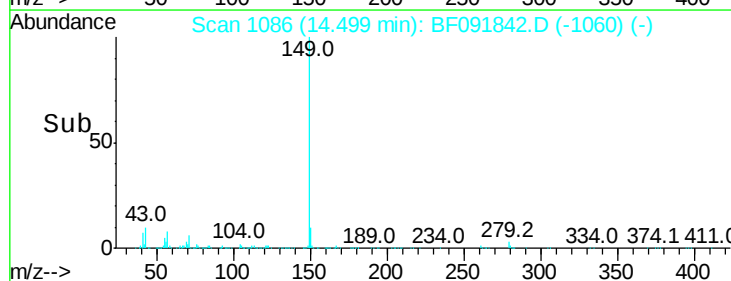
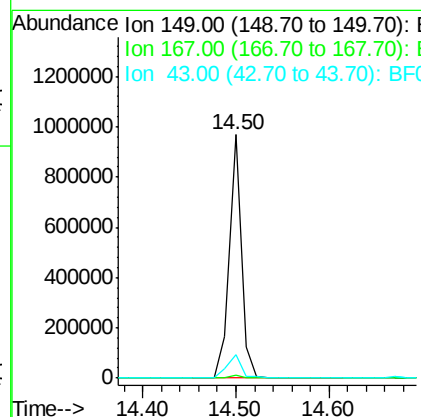
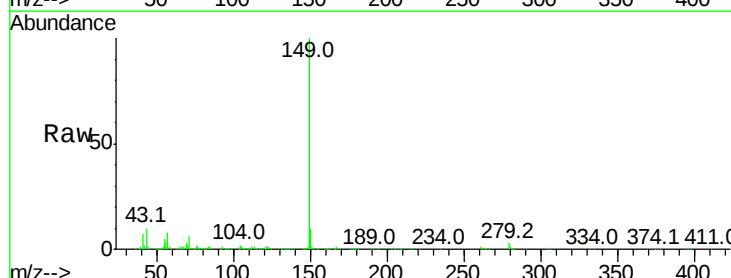
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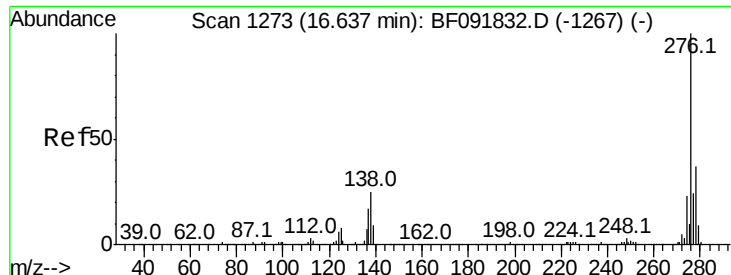
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#84
 Di-n-octyl phthalate
 Concen: 16.84 ng
 RT: 14.50 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.9	8.9	13.3





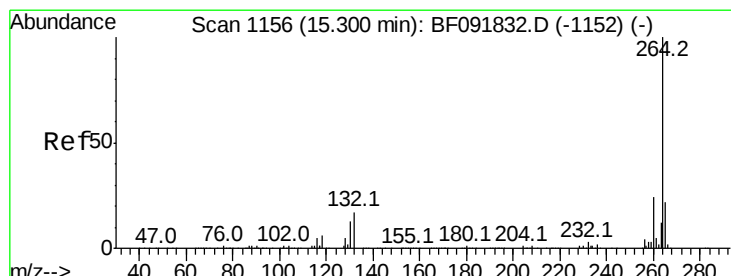
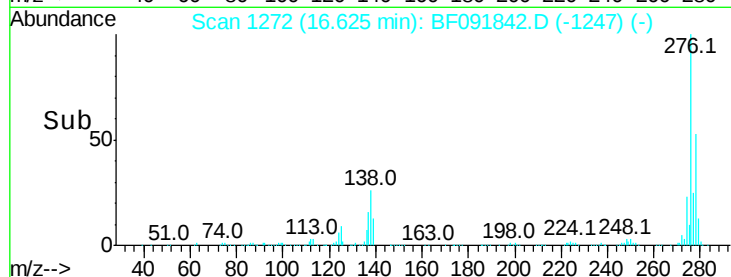
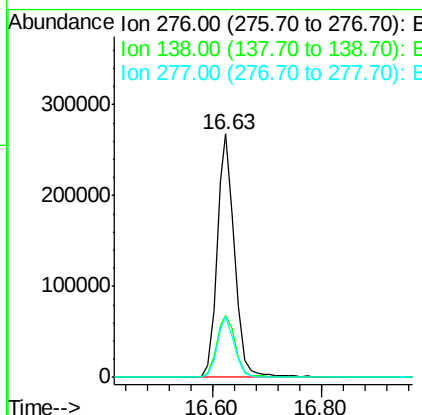
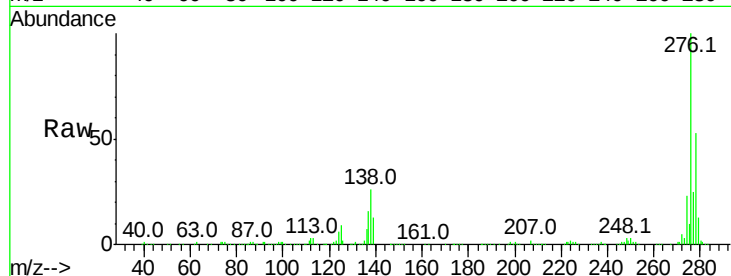
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.25 ng
 RT: 16.63 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.8	32.6
277	24.7	20.2	30.4

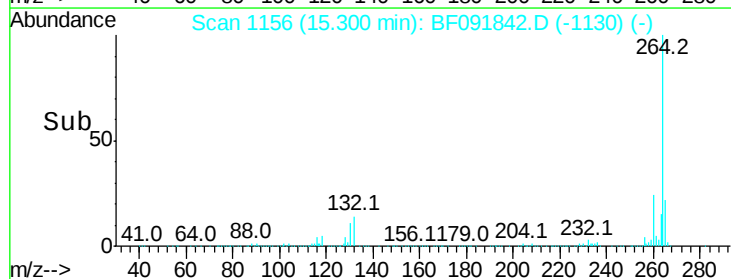
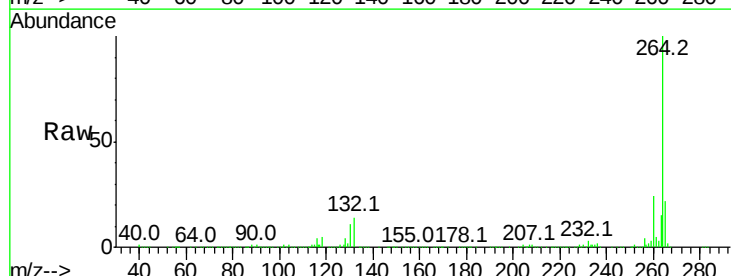
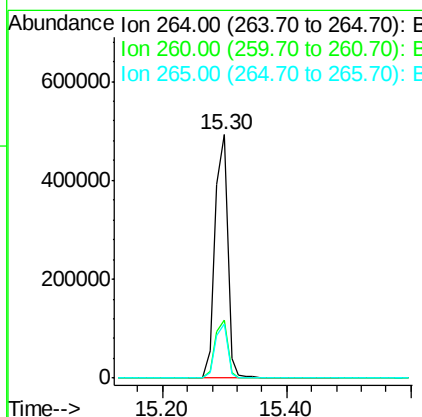
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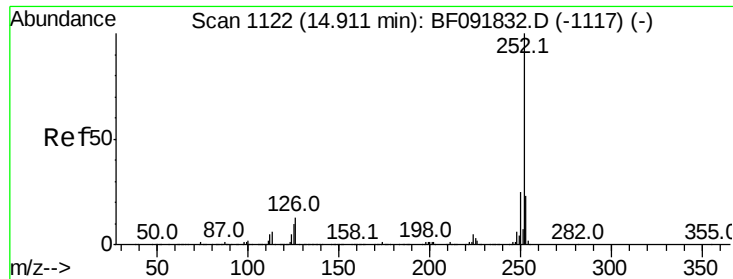
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.0	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 15.66 ng m

RT: 14.90 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Instrument :

BNA_F

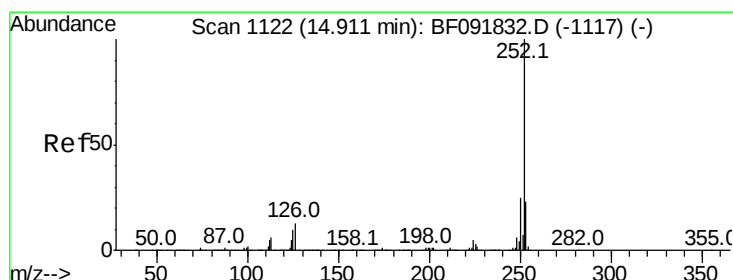
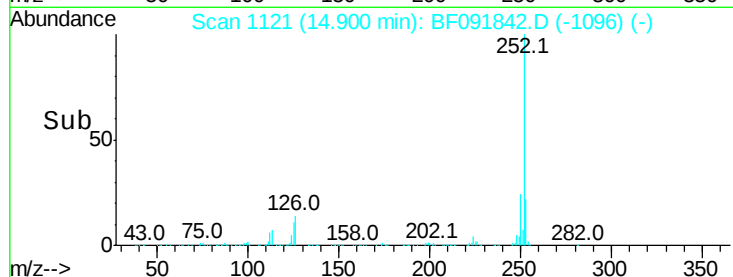
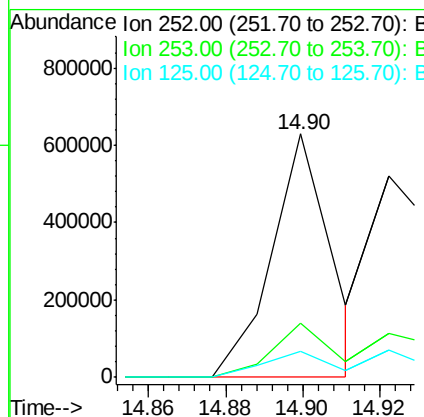
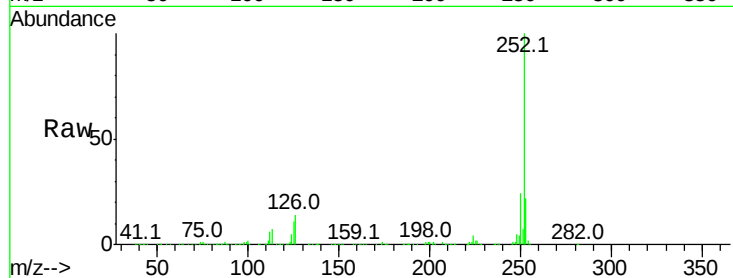
ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tot Ion:	252	Resp:	671863
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.4
125	10.7	9.8	14.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 17.84 ng m

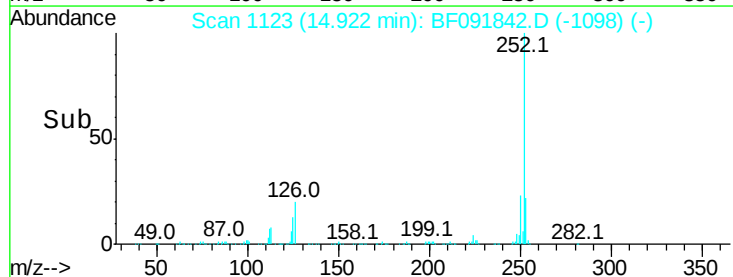
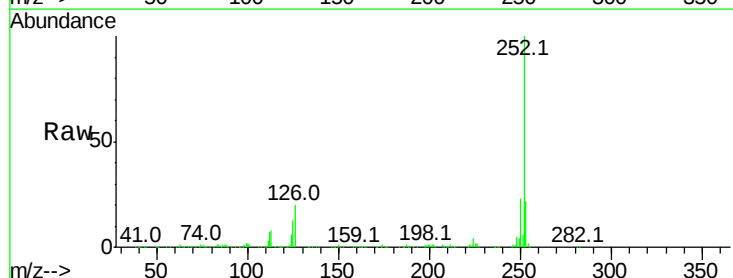
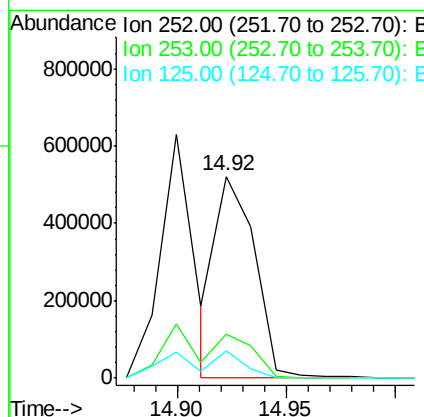
RT: 14.92 min Scan# 1123

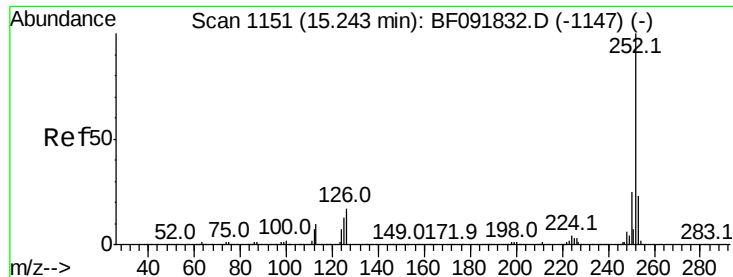
Delta R.T. -0.01 min

Lab File: BF091842.D

Acq: 21 Dec 2016 19:18

Tgt Ion:	252	Resp:	652709
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.5	27.7
125	13.5	8.9	13.3#





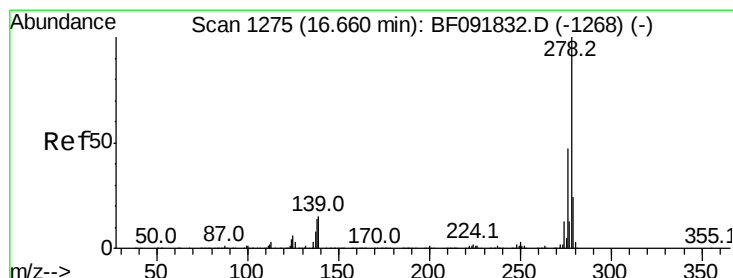
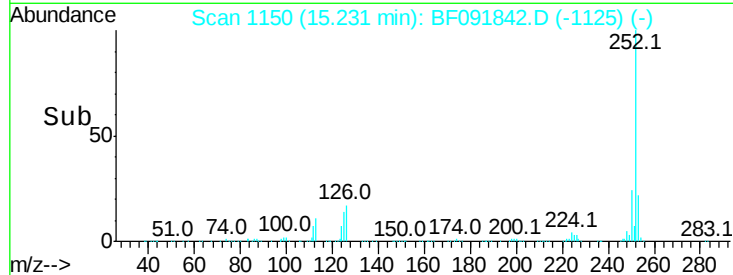
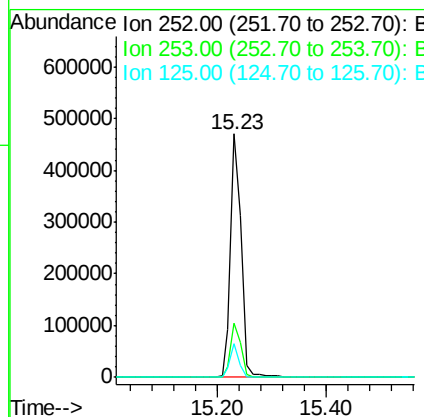
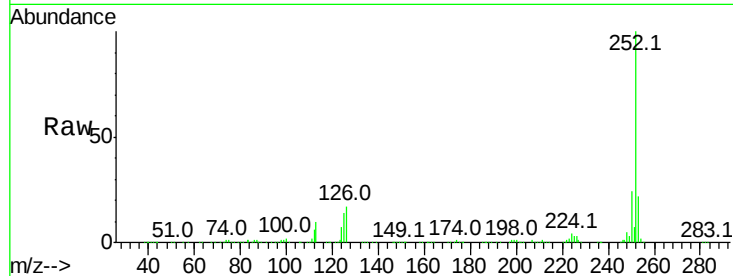
#89
Benzo(a)pyrene
Concen: 16.66 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	13.7	10.0	15.0

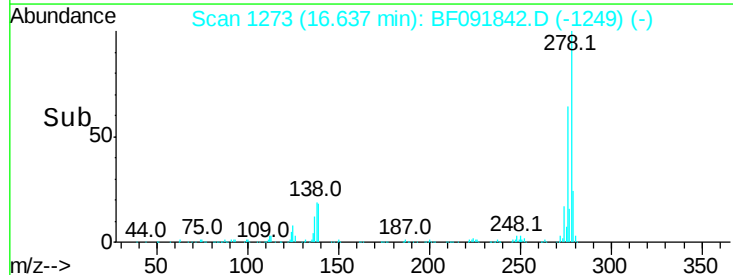
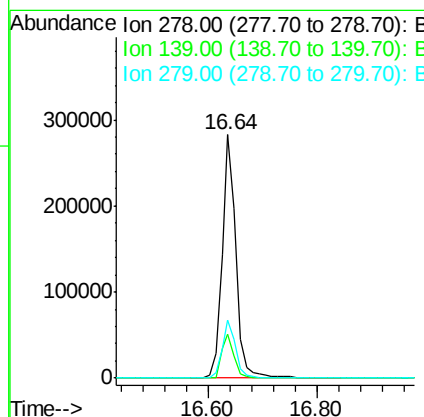
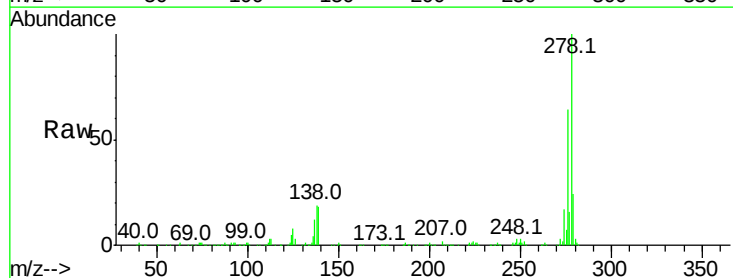
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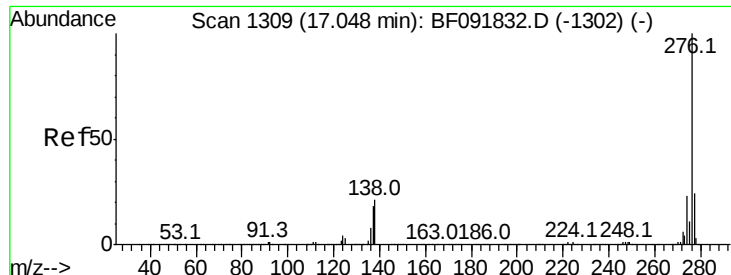
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#90
Dibenzo(a,h)anthracene
Concen: 16.25 ng
RT: 16.64 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF091842.D
Acq: 21 Dec 2016 19:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.8	22.2
279	23.8	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 15.72 ng
 RT: 17.03 min Scan# 1307
 Delta R.T. -0.02 min
 Lab File: BF091842.D
 Acq: 21 Dec 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Tot Ion:	276	Resp:	511542
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.2	28.8
138	22.6	16.0	24.0

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